



GARFISH-1

WELL COMPLETION REPORT BASIC DATA



**VIC/L29
Bass Strait
Victoria, Australia**

Nexus Energy Ltd

June 2008

TABLE OF CONTENTS

WELL INDEX SHEET	iii
1 OPERATIONS SUMMARY	1
1.1 Move to Location / Run Anchors	1
1.2 Garfish-1 Drilling Operations	1
1.2.1 914mm (36") Hole	1
1.2.2 762mm (30") Casing	1
1.2.3 445mm (17½") Hole Section	1
1.2.4 340mm (13⅜") Casing	1
1.2.5 311mm (12¼") Hole Section	2
1.2.6 216mm (8½") Hole Section	2
1.2.7 216mm (8 ½") Cored Hole Section	2
1.2.8 216mm (8 ½") Hole Section to TD	2
1.2.9 Wireline Logging	2
1.3 DRILLING AND COMPLETION DATA	5
1.3.1 Hole Sizes and Depths	5
1.3.2 Casing Data	5
1.3.3 Cementing Data	5
1.3.4 Surveys	7
1.3.5 Bit Record	8
1.3.6 Mud Data	8
1.3.7 Testing	8
2 FORMATION EVALUATION	8
2.1 Mudlogging	8
2.1.1 Mudlogging	8
2.1.2 Ditch Cutting Samples	8
2.2 Coring	9
2.2.1 Coring	9
2.2.2 Sidewall Cores	9
2.3 MWD/LWD Logging	12
2.4 Wireline Logging	13
2.5 Temperature Surveys	13
2.6 Velocity Survey	13
3 POST WELL ANALYSIS	13
3.1 Palynology	13

FIGURES, TABLES, APPENDICES AND ENCLOSURES

LIST OF FIGURES

Figure 1: Garfish-1 Location Map	iv
Figure 2: Garfish-1 Drilling Time/Depth Curve	4
Figure 3: Garfish-1 P&A Diagram	14
Figure 4: Garfish-1 BHT Horner Plot	15

LIST OF TABLES

Table 1: Casing Data	5
Table 2: Cementing Data	6
Table 3: Survey Listing	7
Table 4: Cuttings sampling	9
Table 5: Sidewall core descriptions	12
Table 6: LWD Logging Run Summary	12
Table 7: Wireline Logging Run Summary	13

LIST OF APPENDICES

APPENDIX 1: DRILLING END OF WELL REPORT	
APPENDIX 2: DAILY DRILLING REPORTS	
APPENDIX 3: WELL LOCATION SURVEY	
APPENDIX 4: CEMENTING FINAL REPORT	
APPENDIX 5: BIT RECORD	
APPENDIX 6: DRILLING FLUIDS SUMMARY	
APPENDIX 7: MUDLOGGING REPORT	
APPENDIX 8: DAILY GEOLOGICAL REPORTS	
APPENDIX 9: CUTTINGS DESCRIPTIONS	
APPENDIX 10: DIRECTIONAL DRILLING AND LWD END OF WELL REPORT	
APPENDIX 11: VSP SURVEY REPORT	
APPENDIX 12: PALYNOLOGY BASIC REPORT	
APPENDIX 13: CORING REPORT	
APPENDIX 14: ROUTINE CORE ANALYSIS REPORT	

LIST OF ENCLOSURES

Enclosure 1: Mudlog	
Enclosure 2: Gas Ratio Log	
Enclosure 3: Drilling Log	
Enclosure 4: Pressure Log	
Enclosure 5: Basic Palynological Range Chart	

WELL INDEX SHEET	GARFISH-1	Page 1 of 1
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LOCATION:	Survey:	Northern Fields 3D	PERMIT:	VIC/L29
	In Line:	3512	BASIN:	Gippsland
	Xline:	8543		
	Offset:	4.42 m bearing 303.68° (Grid)	PARTICIPANTS:	Nexus Energy (Op) 100%
SURFACE	Latitude:	38 06' 38.0838"S	WELL DESIGNATION:	Exploration
LOCATION:	Longitude:	148 15' 17.1466"E	STATUS:	Plugged and Abandoned
	Easting:	610 001.3 mE	STRUCTURE TYPE:	E-W dip closure, N-S fault bounded
	Northing:	5 781 172.5 mN		
			RIG NAME AND TYPE:	West Triton, jack-up
	Datum:	GDA94	RIG CONTRACTOR:	Atlas Drilling (S) Pte Ltd (Seadrill)
	Spheroid:	GRS 1980		
	Map Grid:	MGA94		
	Projection:	UTM Zone 55		

TOTAL DEPTH:	Driller:	2590.0 mMD	HOLE SIZES:	Hole Size	From – To (mMD)
	Logger:	2597.0 mMD		914mm (36")	96.2 – 132
				445mm (17½")	132 – 755
ELEVATION:	Datum:	LAT		311mm (12¼")	755 – 758
	RT-ASL (LAT):	39.9 m		244mm (8½")	758 – 2590
	WD (LAT):	56.3 m			
	RT-ML:	96.2 m	CASING:	Size	Shoe (mMD)
				762mm (30")	127.8 m
SPUD DATE:	13:30hrs	28/5/2008		340mm (13⅝")	746.5 m
REACHED TD:	13:30 hrs	12/6/2008			
RIG RELEASED:	09:00hrs	19/06/2008			
			PLUGS:	2100-2308 mMD	
				670-768 mMD	13 3/8 csg shoe
				120-236 mMD	Mudline plug

LWD LOGS

RUN NO	HOLE SIZE	TOOLS	INTERVAL mMDRT	COMMENTS
100	914mm (36")	Powerpulse MWD/GR	96.3 – 132m	22" bit with 36" hole opener.
200	558mm (22")	Powerpulse MWD/GR	128 – 132m	Cleanout run/assembly
300	444mm (17 ½")	Powerpulse MWD/GR	132 – 755m	Section TD
400	216mm (8½")	Powerpulse MWD/GR + Res.	755 – 2450m	POOH at Core Point
500	216mm (8½")	Powerpulse MWD/GR + Res.	2470 - 2590	POOH at well TD.

WIRELINE LOGS

LOG TYPE	SUITE/ RUN	FROM - TO (mMDRT)	BHT/TIME	COMMENTS
PEX-HRLA-ECS-HNGS	1/1	2590 - 746	106.7°C/15:20hrs	Run to just inside casing.
FMI-DSI-XPT	1/2	2590 – 2000 (FMI) 2590-seabed (DSI)	110°C/23:25hrs	XPT failed after 11 pre-tests.
MDT-GR	1/2b	2526 – 2185	114.4°C/38:20hrs	2526mMD deepest pressure
VSP-GR	1/4	2580 – 80	115.5°C/48.10hrs	Temps 240,270,270, 240°F used
CST-GR	1/5	2580 - 2020	N/A	60 SWC shot (47 recovered)

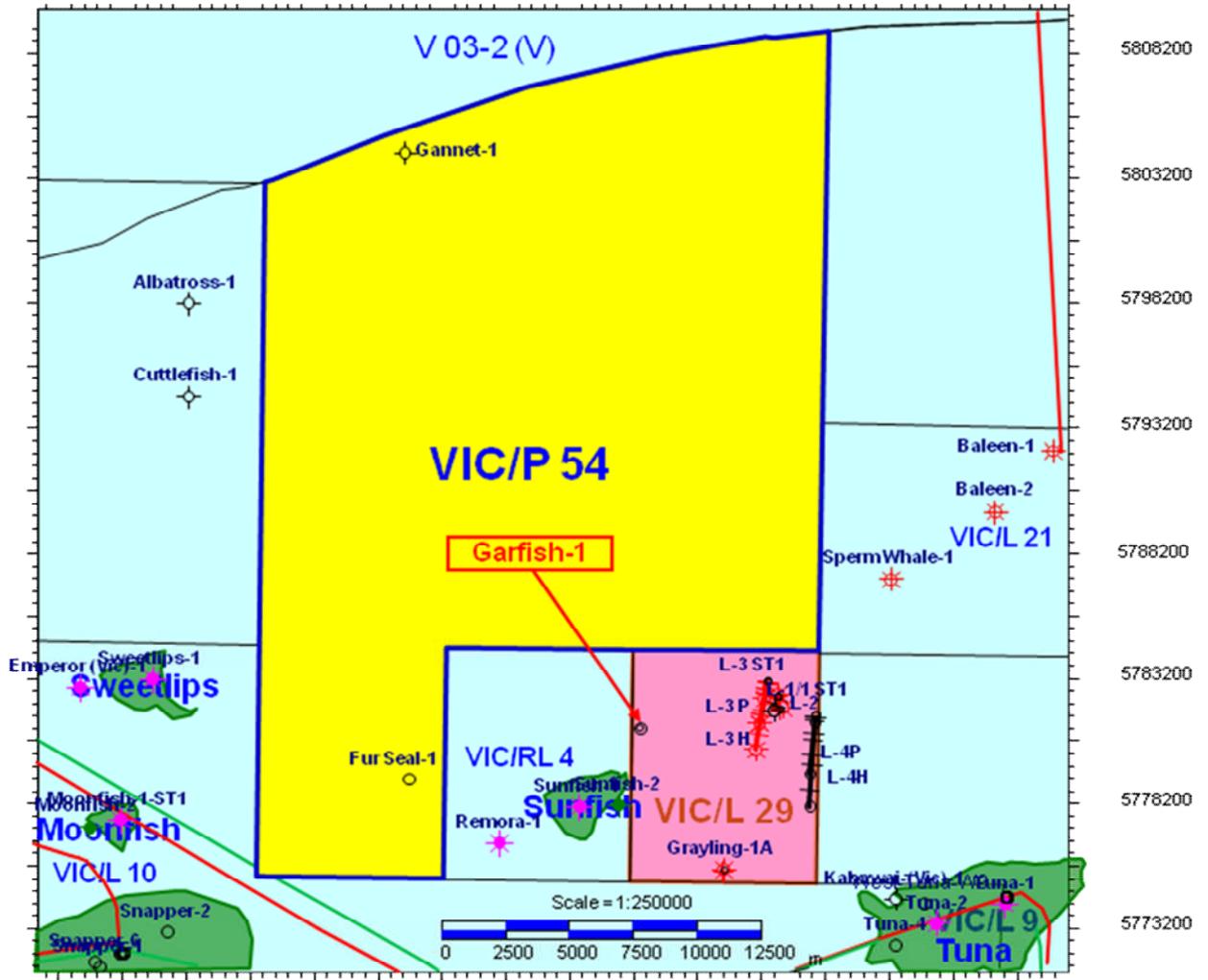


Figure 1: Garfish-1 Location Map

1 OPERATIONS SUMMARY

1.1 Move to Location / Run Anchors

The West Triton was released from 3D Oil's Wardie-1 location and on contract to Nexus Energy at 2230 hrs, 25 May 2008. The rig was towed to the Garfish-1 location, arriving at 11:30hrs on the 26 May 2008, and commenced running anchors.

1.2 Garfish-1 Drilling Operations

1.2.1 914mm (36") Hole

The 914 mm hole was drilled riserless with returns to the seabed using a 660 mm (22") bit and 914 mm (36") hole opener. The Bottom Hole Assembly (BHA) was made up and run to seafloor at 96.2 mMDRT and the well spudded at 13:30 hrs on 28/05/2008. The hole was drilled with sea water and hi-vis sweeps to the section TD at 132 mMDRT (660 mm, 22"0 and 131 mMDRT (914 mm, 36"), with an average ROP of 71.6 m/hr. The hole was swept with 200 bbl PHG, and displaced to PHG mud. The BHA was pulled out and racked back without any tight spots.

1.2.2 762mm (30") Casing

The 610 mm (24") shoe and 762 mm (30") casing were landed at 127.8 m, and cemented successfully. A 559 mm (22") clean-out BHA was made up, ran into the hole to 116.0 m, and washed down to tag the top of cement at 125.0 m. The shoe track and rathole were drilled to 132 m with an average ROP of 10 m/hr. A 10 bbl hi-vis sweep was pumped, and the drill-string pulled out of the hole without problems.

1.2.3 445mm (17½") Hole Section

BHA 3 was made up on a 445 mm (17-1/2") bit with MWD tools and tested. The 445 mm hole was drilled from 132.0 to 755.0 m, with sea water and hi-vis sweeps, and returns to seabed. MWD surveys were taken on every third stand after pumping PHB sweeps around the BHA to avoid pack-off. At the section TD, the hole was swept with a 150 bbl PBH sweep and displaced with PHB mud.

1.2.4 340mm (13⅜") Casing

The 340mm (13⅜") Casing was run to 746.5 mMDRT and cemented in place with cement returns to the seafloor.

1.2.5 311mm (12¼") Hole Section

The 311 mm (12¼") hole section was a clean-out run to drill out cement, shoe track followed by rathole. The top of cement was tagged at 740 m, and new formation was drilled from 755 to 758 m. A formation integrity test was conducted at 1020 psi with EMW 2.08 sg. The BHA was then pulled out and laid down.

1.2.6 216mm (8½") Hole Section

BHA 5 was made up on a 216 mm (8-1/2") bit with directional and GR-Resisivity LWD tools. The hole section was drilled from 758 to 2450 m with KCl-polymer mud. An MWD survey was taken initially every third stand and later every fifth stand. The mud weight was raised from 1.21 sg to 1.31 sg while drilling from 2082 to 2145 m. The well was flow-checked at 2408 m after a drill break from 11 to 30 m/hr, and noted steady. At 2450 m, the well was swept with 50 bbl hi-vis pill and circulated two bottoms-up to clean the hole. The well was flow-checked and the drill-string was pulled wet from 2450 to 1285 m. A 20 bbl slug was pumped at 1285 m, and the drill-string was pulled out to the casing shoe, flow-checked and pulled to surface.

1.2.7 216mm (8 ½") Cored Hole Section

BHA 6 was made up on a 216 mm core bit and CoreJam assembly. The drill-string was filled up every 500 m and run in to 2421 m, then washed down to tag bottom at 2450 m. The core was cut from 2450 to 2470 m; the programmed 54 m core was shortened to 20 m because of the slow average ROP of 1.27 m/hr. The core was broken free by working pipe to 30 klb overpull and circulation. After flow-checking, a slug was pumped and the drill-string pulled out of the hole without any overpull or tight spots. AT surface, the core barrel was laid down and 19.34 m of core were recovered.

1.2.8 216mm (8 ½") Hole Section to TD

BHA 5 was made up on a 216 mm bit with directional and GR-Resisitivity LWD tools, and drilled from 247- to 2590 m with KCl-polymer mud of 1.31 sg, with an average ROP of 16 m/hr. The well was flow-checked at 2502 m after a drill break from 18 to 60 m/hr, and noted steady. At TD the well was swept with 50 bbl hi-vis and circulated bottoms-up to clean the hole. The well was flow-checked and the drill string pulled out of the hole. The well was then wireline logged.

1.2.9 Wireline Logging

The BHA was racked back and the following open-hole wireline logs were run by Schlumberger Wireline Services:

Suite-1 Run 1: PEX-HRLA-ECS-HNGS

Suite-1 Run 2: FMI-DSI-XPT (XPT tool failed after 11 pre-tests)

Suite-1 Run 2b: MDT-GR (run performed to cover XPT failure)

Suite-1 Run 3: VSP-GR (levels shot from 2580 to inside casing at 96 mMD)

Suite 1 Run 4: CST-GR (60 CSTs shots: 43 cores recovered)

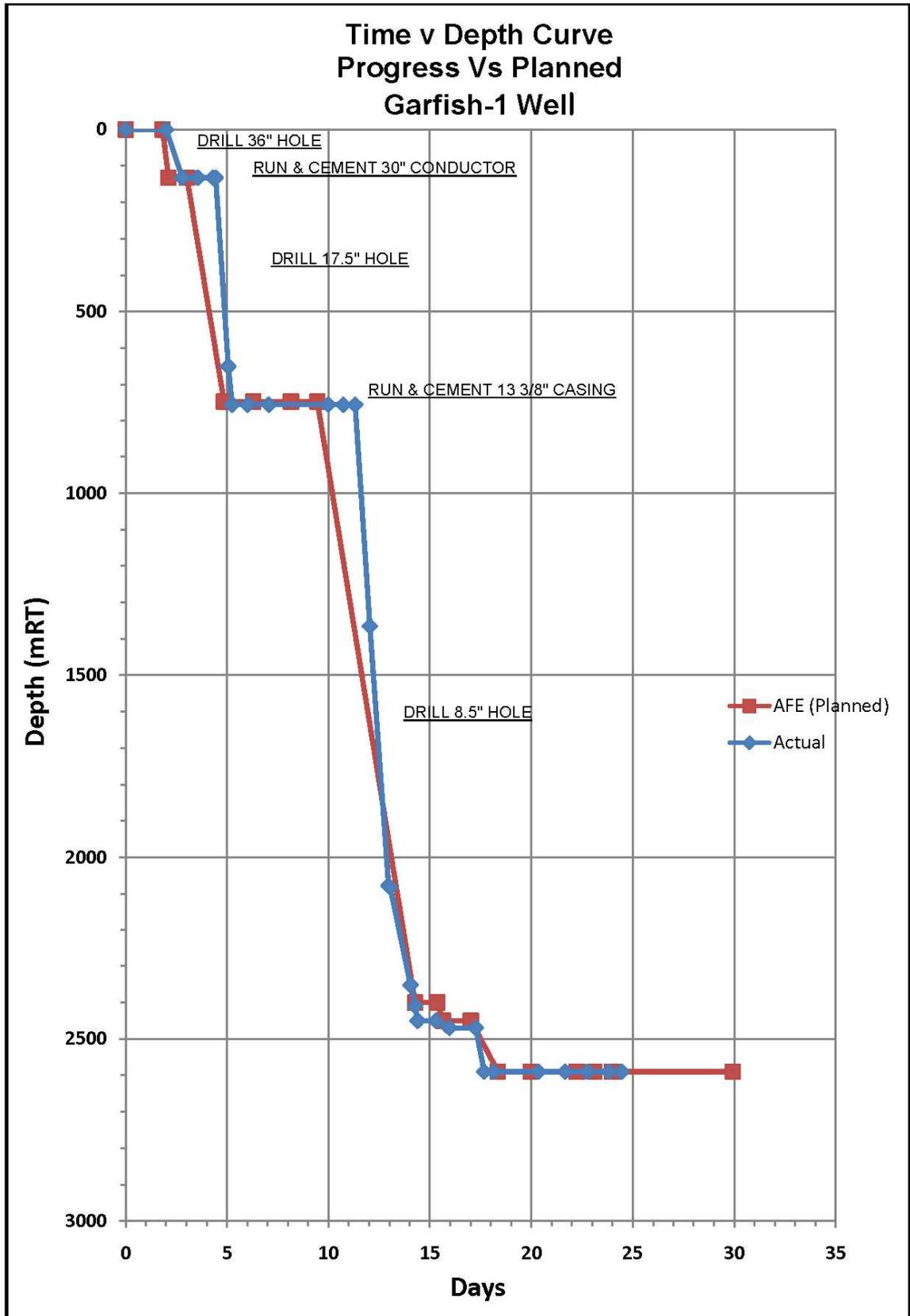


Figure 2: Garfish-1 Drilling Time/Depth Curve

1.3 DRILLING AND COMPLETION DATA

A drilling and engineering end of well report is contained in APPENDIX 1 with copies of the Daily Drilling Reports in APPENDIX 2. Documentation of the rig move and the final well location survey is contained in APPENDIX 3. A schematic diagram of the well bore after C&S is shown in Figure 3.

1.3.1 Hole Sizes and Depths

Hole sizes and the depths to which they were drilled are as follows;

914mm / 36"	96.2	to	132 mMDRT
445mm / 17½"	132	to	755 mMDRT
311mm / 12¼"	755	to	758 mMDRT
244mm / 8½"	758	to	2590 mMDRT (Total Depth)

1.3.2 Casing Data

Two casing strings were run in Garfish-1 as tabulated below.

Type	Size (inches)	Weight(ppf)	Grade	Thread	Depth (mMDRT)
Conductor	30in x 24in	310 (1in wall)	X-52	Lynx HT/ Lynx SA-2	93.9 - 127.8
Surface Casing	18.75in 10ksi Wellhead	-	-	Welded	92.6 – 93.9
	20 x 13.375in x-over	203 (1in wall)	-	Vam Top	93.9 – 102.65
	13 3/8	72	SM95T	Vam Top	102.65 - 506.65
	13 3/8	72	P-110	Vam Top	506.65 – 632.50
	13 3/8	68	K-55	Buttress	632.50 – 746.53

Table 1: Casing Data

1.3.3 Cementing Data

Cementing operations on Garfish-1 were for the two casing strings and three cement plugs. Information associated with each cementing event is summarized in the table below and a detailed cementing report is contained in APPENDIX 4.

String Cemented	Cement Type	Dry Cmt Vol (sks)	Cement Additives	Mix Water (gal/sk)	Slurry Vol (bbls)	Slurry Density (ppg)	Cement to /from(mM DRT)	Csg Test Press (psi)
30in X 24in	Class G	719	1% CaCl	5.16	150	15.9	seafloor (96.25m) - 132m	NA
			NF-6 : as required					
13 3/8in Lead	Class G	961	Econolite: 15gal/10bbl	12.54	377	12.5	96.25m-646.39m	2000
			NF-6: as req					
13 3/8in Tail	Class G	304	CFR-3L: 3gal/10bbl	5.10	63	15.8	646.39-746.39m	2000
			NF-6: as req					
			HR-6L: 2gal/10bbl					
Plug #1	Class G	141	SCR-100L: 3gal/10bbl	5.12	25	15.8	2190m-2308m	NA
			CFR-3L: 3gal/10bbl					
			NF-6: as req					
Plug #2	Class G	164	SCR-100L: 3gal/10bbl	5.12	32	15.8	2100m-2190m	NA
			CFR-3L: 3gal/10bbl					
			NF-6: as req					
Plug #3	Class G	281	CFR-3L: 3gal/10bbl	5.12	55	15.8	670m-768m	NA
			HR-6L: 2gal/10bbl					
Plug #4	Class G	258	NA	5.20	49	15.9	120m-236m	NA

Table 2: Cementing Data

1.3.4 Surveys

Directional surveying of the well path was conducted by Schlumberger D&M using their Measurement While Drilling (MWD) equipment. The measure points from this surveying are contained in the table below and a full report is contained in APPENDIX 10.

Measured Depth (metres)	Inclination (degrees)	Direction (degrees)	Vertical Depth (metres)	NS Grid North (metres)	EW Grid North (metres)	Vertical Section (metres)	Dogleg (degrees/30m)
0	0	0	0	0	0	0.00	0
86.66	0.22	347.82	86.65979	0.16263	-0.0351	0.16	0.07616
122.43	0.11	197.82	122.4297	0.197068	-0.0601	0.20	0.268402
167.41	0.63	261.61	167.4087	0.11988	-0.31795	0.12	0.39333
225.52	0.37	223.32	225.5166	-0.06324	-0.76273	-0.06	0.211532
343.05	0.23	75.45	343.0459	-0.28007	-0.79476	-0.28	0.147503
431.83	0.14	31.6	431.8255	-0.14292	-0.56544	-0.14	0.054547
520.09	0.26	306.99	520.0851	0.069412	-0.66889	0.07	0.096357
608.29	0.58	280.34	608.2826	0.269946	-1.2679	0.27	0.124715
667.52	0.58	215.1	667.5102	0.078483	-1.7352	0.08	0.316718
746.93	0.21	194.47	746.9182	-0.39126	-2.00267	-0.39	0.14754
768.33	0.31	278.2	768.318	-0.42098	-2.06977	-0.42	0.497575
857.62	0.21	288.14	857.6071	-0.33558	-2.46436	-0.34	0.036735
946.72	0.13	341.57	946.7068	-0.18885	-2.65148	-0.19	0.056811
1035.71	0.13	313.67	1035.697	-0.02336	-2.75642	-0.02	0.02113
1184.34	0.2	28.39	1184.326	0.32128	-2.75504	0.32	0.04195
1333.11	0.43	19.33	1333.094	1.076483	-2.4468	1.08	0.047312
1480.34	0.74	19.34	1480.316	2.494905	-1.94907	2.49	0.063166
1569.44	0.83	16.38	1569.408	3.65695	-1.57653	3.66	0.033227
1599.08	0.79	17.89	1599.045	4.057369	-1.45322	4.06	0.045887
1745.75	1.09	4.99	1745.695	6.409366	-1.02127	6.41	0.074724
1893.73	1.24	353.25	1893.644	9.401619	-1.08704	9.40	0.056996
2040.91	1.64	351.03	2040.778	13.06346	-1.6026	13.06	0.082307
2188.18	1.63	348.05	2187.988	17.19424	-2.36488	17.19	0.017438
2395.12	1.7	329.99	2394.842	22.73176	-4.50955	22.73	0.076418
2433.46	1.58	329.48	2433.166	23.67956	-5.06242	23.68	0.094588
2590	1.58	329.48	2589.647	27.39779	-7.25437	27.40	0

Table 3: Survey Listing

1.3.5 Bit Record

Seven bits in seven bit runs were used to drill Garfish-1. A 26" bit was combined with a hole opener in the 36" hole section, which was drilled to a section TD of 132 mMD. A 22" bit was then used in a cleanout assembly within the 24" shoe. A 17.5" bit was used to drill this hole section down to section TD of 755 mMD. A 12 ¼" bit was used to clean out the 13 3/8" casing shoe. An 8 ½" bit was run and drilled down to core point at 2450 m at which point a core was cut from 2450-2470 mMD in a single core bit run. A final 8 ½" bit run brought the well to final TD of 2590 mMD. A full bit record is included in APPENDIX 5.

1.3.6 Mud Data

Baker Hughes Drilling Fluids provided the drilling mud for Garfish-1. A summary table and a full report of drilling fluids, physical mud properties and chemicals used are provided in APPENDIX 7.

1.3.7 Testing

Garfish-1 was not tested.

2 FORMATION EVALUATION

2.1 Mudlogging

2.1.1 Mudlogging

BHI (Baker Hughes Inteq) provided monitoring of basic drilling parameters from spud. Full mudlogging services, including cuttings gas monitoring, was provided from first returns at 750 mMD, to total depth using a HP gas chromatograph. The mudlog, gas log, drill log and pressure logs recording lithology, penetration rate, mud gas, drilling and other data were prepared and are contained in ENCLOSURE 1, ENCLOSURE 2, ENCLOSURE 3 and ENCLOSURE 4 of this report. The BHI Final Well Report is contained in APPENDIX 7.

2.1.2 Ditch Cutting Samples

Cuttings from Garfish-1 were collected and described from 750 m (first returns) to TD at 2590 m. The sampling intervals were 30 m from 750 m to 1500 m, 10 m from 1500 to 1980 m and 5 m from 1980 m to 2590 mMD (TD). The numbers of cuttings samples sets were;

Sample Type	No. of Sets
Washed & Dried	4
Lightly washed and dried	1
Unwashed and dried	1
Samplex Trays	1

Table 4: Cuttings sampling

The wellsite daily geological reports are provided in APPENDIX 8 and wellsite geologists' cuttings descriptions in APPENDIX 9.

2.2 Coring

2.2.1 Coring

One 20 meter, 3½" conventional core was cut during Garfish-1 for detailed petrophysical and depositional studies. The core was cut from 2450 to 2470 mMD using BHI's CoreJam system. A full Coring report is contained in APPENDIX 13 and results of Routine Core Analysis are contained in APPENDIX 14.

2.2.2 Sidewall Cores

A single CST run was performed at Garfish-1. Out of 60 CSTs shot, 43 cores were recovered and 17 were misfires and/or empty bullets. A full listing of cores recovered, depths shot, and lithologies recorded, are contained in the following table.

#	Depth	Length	43 recovered (60 Shots)
1	2580	16	VOLCANIC: predominantly light greenish grey to grayish green, with moderate reddish brown to grayish red and dark grey clasts, disaggregated by bullet impact, fine to medium grained in a calcareous groundmass, predominantly lithic and feldspathic grains, trace quartz.
2	2560	23	VOLCANIC: pale green to yellowish green, very hard, cryptocrystalline, fractures appear to be from bullet impact.
3	2552	17	VOLCANIC: predominantly light greenish grey to grayish green, with moderate reddish brown to grayish red and dark grey clasts, disaggregated by bullet impact, fine to medium grained in a weakly calcareous groundmass, predominantly lithic and feldspathic grains, trace quartz.
4	2545	22	VOLCANIC: predominantly light greenish grey to grayish green, with moderate reddish brown to grayish red and dark grey centimetre scale clasts, disaggregated by bullet impact, fine to medium grained between clasts in a weakly calcareous groundmass, predominantly lithic and feldspathic grains, trace quartz, clasts are vari coloured and, one is possibly of basaltic origin.
5	2535	12	VOLCANIC?: medium grey to medium dark grey, moderately firm, appears homogeneous, hygroturgid, non calcareous. Sample is fractured by bullet impact and has extensive mud invasion, possibly from a large clast.
6	2530	12	VOLCANIC: predominantly light greenish grey to grayish green, with moderate reddish brown to grayish red and dark grey centimetre scale clasts, disaggregated by bullet impact, fine to medium grained between clasts in a weakly calcareous groundmass, predominantly lithic and feldspathic grains, trace quartz, poor sample has a hole in the centre.
7	2529	20	VOLCANIC?: white to very light grey, soft with moderately firm fragments, cryptocrystalline to microcrystalline, possibly fine grained in part, sample completely shattered by bullet impact and extensively mud invaded.
8	2528	10	VOLCANIC?: as above, weakly calcareous possibly derived from drilling mud.
9	2527	15	VOLCANIC?: white to light greenish grey, fine to medium grained, predominantly feldspathic and lithic grains, trace quartz, feldspars are commonly weathered
10	2526	20	VOLCANIC?: as above.
11	2525	22	VOLCANIC?: as above.
12	2518.2	15	SILTSTONE: medium grey, firm to hard, sub blocky, non calcareous, minor very fine to fine grained quartz, rarely grading to very fine sandstone, trace black carbonaceous material, non to weakly calcareous.
14	2496	12	CLAYSTONE: medium grey to medium dark grey, firm, homogeneous, trace finely disseminated carbonaceous material, non calcareous.
15	2479.8	12	CLAYSTONE: medium grey to medium dark grey, firm, homogeneous, trace finely disseminated carbonaceous material, non calcareous.
16	2442.3	20	CLAYSTONE: medium grey to medium dark grey, firm, homogeneous, trace finely disseminated carbonaceous material, non calcareous, very finely laminated with interlaminated silts.

17	2429	20	SILTY CLAYSTONE with interlaminated SANDSTONE SILTY CLAYSTONE: medium grey to medium dark grey, moderately hard, common silt, grading to argillaceous siltstone, trace finely disseminated carbonaceous fragments, non calcareous. SANDSTONE: quartzose, white to very light grey, firm to friable, very fine to fine grained, sub angular to sub rounded, moderate to high sphericity, well sorted, trace calcite cement, minor argillaceous matrix, trace weathered feldspar grains, trace lithic grains, poor visual porosity. No Shows.
18	2415.5	23	SANDSTONE with SILTY CLAYSTONE intraclasts SANDSTONE: quartzose, white to very light grey, firm to friable, very fine to fine grained, sub angular to sub rounded, moderate to high sphericity, well sorted, trace calcite cement, minor argillaceous matrix, trace weathered feldspar grains, trace black and moderate red lithic grains, poor visual porosity. No Shows. SILTY CLAYSTONE: medium grey to medium light grey, moderately hard, common silt, grading to argillaceous siltstone, trace finely disseminated carbonaceous fragments, non calcareous.
19	2400.5	34	CLAYSTONE: medium grey, soft to moderately firm, homogeneous, hygroturgid, non calcareous.
20	2399.5	17	CLAYSTONE: generally as above, medium grey to dark grey.
21	2388.5	15	CLAYSTONE: as above.
22	2387.8	17	CLAYSTONE: as above.
23	2383.5	23	CLAYSTONE: medium grey, soft to moderately firm, homogeneous, hygroturgid, trace finely disseminated carbonaceous fragments, non calcareous.
24	2376	21	CLAYSTONE: as above.
25	2373	17	CLAYSTONE: as above.
26	2363	15	Interbedded SANDSTONE and CLAYSTONE SANDSTONE: quartzose, white to very light grey, friable, fine to medium grained, angular to sub angular, moderate to high sphericity, well sorted, minor siliceous cement, trace very light grey argillaceous matrix, trace pyrite, trace grayish black lithic grains, very poor visual porosity. No Shows. CLAYSTONE: medium dark grey, moderately firm, very finely laminated, common silty laminations, grading to silty claystone in part, non calcareous.
27	2358.5	20	CLAYSTONE: medium grey, soft to moderately firm, homogeneous, weakly hygroturgid, trace finely disseminated carbonaceous fragments, non calcareous.
28	2355.5	16	CLAYSTONE: as above.
29	2337	18	CLAYSTONE: as above.
30	2299	19	CLAYSTONE: as above.
32	2268.6	17	CLAYSTONE: medium grey, soft to moderately firm, homogeneous, weakly hygroturgid, trace finely disseminated carbonaceous fragments, non calcareous.
40	2176	18	CLAYSTONE: medium grey, soft to moderately firm, homogeneous, weakly hygroturgid, trace finely disseminated carbonaceous fragments, non calcareous.
47	2126.8	20	SANDSTONE: quartzose, very light grey, friable, fine to medium grained, sub angular to sub rounded, minor angular, low to moderate sphericity, well sorted, trace siliceous cement, minor light grey argillaceous matrix, trace coaly fragments, trace argillaceous wisps and clasts, trace black lithic grains. Poor inferred porosity. At one edge sample also has coarse to granule sized quartz grains. No Shows.
49	2108.2	20	COAL: black, firm, brittle, blocky fracture, sub fissile, sub vitreous lustre

50	2103	20	CLAYSTONE: light grey to medium light grey, moderately firm, trace finely disseminated pyrite, trace nodular pyrite, trace very fine carbonaceous and coaly fragments, non calcareous.
52	2095	20	CARBONACEOUS CLAYSTONE: predominantly dark grey, greyish black to black in part, moderately firm, trace disseminated pyrite, trace coarse quartz grain, minor coaly laminae, non calcareous.
53	2091	33	WEATHERED VOLCANICS: light greenish grey to very pale green, fine to medium grain sized in a cryptocrystalline groundmass, abundantly pyritic, approximately 30% of fracture surface comprised of nodular pyrite and disseminated crystalline pyrite
54	2061.5	20	WEATHERED VOLCANICS: white to very light grey, light greenish grey in part, firm to hard, microcrystalline, trace rock fragments. **Partial diameter core only, poor recovery, poor quality sample.
55	2054	20	CLAYSTONE: medium grey to medium light grey, soft to moderately firm, homogeneous, weakly hygroturgid, trace finely disseminated pyrite, trace nodular pyrite, trace carbonaceous fragments, non calcareous.
56	2053.5	20	CLAYSTONE: generally as above, trace thin coal laminae.
57	2047.1	17	CLAYSTONE: generally as above, trace coal fragments.
58	2040	12	CLAYSTONE: medium grey to medium dark grey, soft to moderately firm, homogeneous, weakly hygroturgid, trace finely disseminated pyrite, trace carbonaceous fragments, non calcareous.
59	2032.5	17	CLAYSTONE: medium grey to medium light grey, soft to moderately firm, homogeneous, weakly hygroturgid, trace finely disseminated pyrite, non calcareous.
60	2020	20	CLAYSTONE: as above.

Table 5: Sidewall core descriptions

2.3 MWD/LWD Logging

Schlumberger Drilling and Measurements provided MWD/GR for the 36" and 17 ½" hole sections and MWD/GeoVISION (GR-Resistivity) for the 8 ½" hole section to Total Depth at the Garfish-1 location. Logs obtained are summarized in the following tables;

Run No.	Hole Size	Tools	Interval	Comments
100	914mm (36")	Powerpulse MWD/GR	96.3 – 132m	22" bit with 36" hole opener.
200	558mm (22")	Powerpulse MWD/GR	128 – 132m	Cleanout run/assembly
300	444mm (17 ½")	Powerpulse MWD/GR	132 – 755m	Section TD
400	216mm (8½")	Powerpulse MWD/GR + Res.	755 – 2450m	POOH at Core Point
500	216mm (8½")	Powerpulse MWD/GR + Res.	2470 - 2590	POOH at well TD.

Table 6: LWD Logging Run Summary

The Schlumberger D&M LWD End Of Well Report is contained in APPENDIX 10 (combined with the Directional Drilling EOWR).

2.4 Wireline Logging

No wireline open hole logs were run in the 36" or 17 ½" hole sections. At TD of the main 8 ½" hole section, the following open hole wire line logs were acquired by Schlumberger Wireline Services at TD;

Log Type	Suite/Run	Interval mRT	BHT/Time	Comments
PEX-HRLA-ECS-HNGS	1/1	746-2590		
FMI-DSI-XPT-GR	1/2	3919 – 2135		XPT failure during run, MDT run next as contingent.
MDT-GR	1/3	2525 – 1994		Tool run after failure of XPT.
VSI-GR	1/4	2580 – 96		
CST-GR	1/4	2580 - 2020		60 shots, 43 recovered.

Table 7: Wireline Logging Run Summary

2.5 Temperature Surveys

Wireline logs recorded the following maximum temperatures during logging on Garfish-1; PES-HRLA-ECS-HNGS: 106.7°C, 15:20 hrs after circulation stopped.

FMI-DSI-XPT-GR: 110°C, 23:25 hrs after circulation stopped.

MDT-GR: 114.4°C, 38:20hrs after circulation stopped.

VSI-4-GR: 115.5°C, 48:10 hrs after circulation stopped.

As shown in Figure 4, this data was used in a Horner-type plot to derive an extrapolated bottom hole temperature of approximately 120.0°C for Garfish-1.

2.6 Velocity Survey

A VSP survey was conducted in the open hole section at TD of Garfish-1. The Schlumberger VSI(4) tool was used and levels were shot from 2580 to inside surface casing at 96 mMD. Schlumberger's Q-Borehole Survey Report is contained in APPENDIX 11.

3 POST WELL ANALYSIS

3.1 Palynology

Palynological age dating was carried out on 26 sidewall core CST samples by Biostrata Pty Ltd. The final Basic Report is contained in APPENDIX 12 and the basic range chart is contained in ENCLOSURE 5.

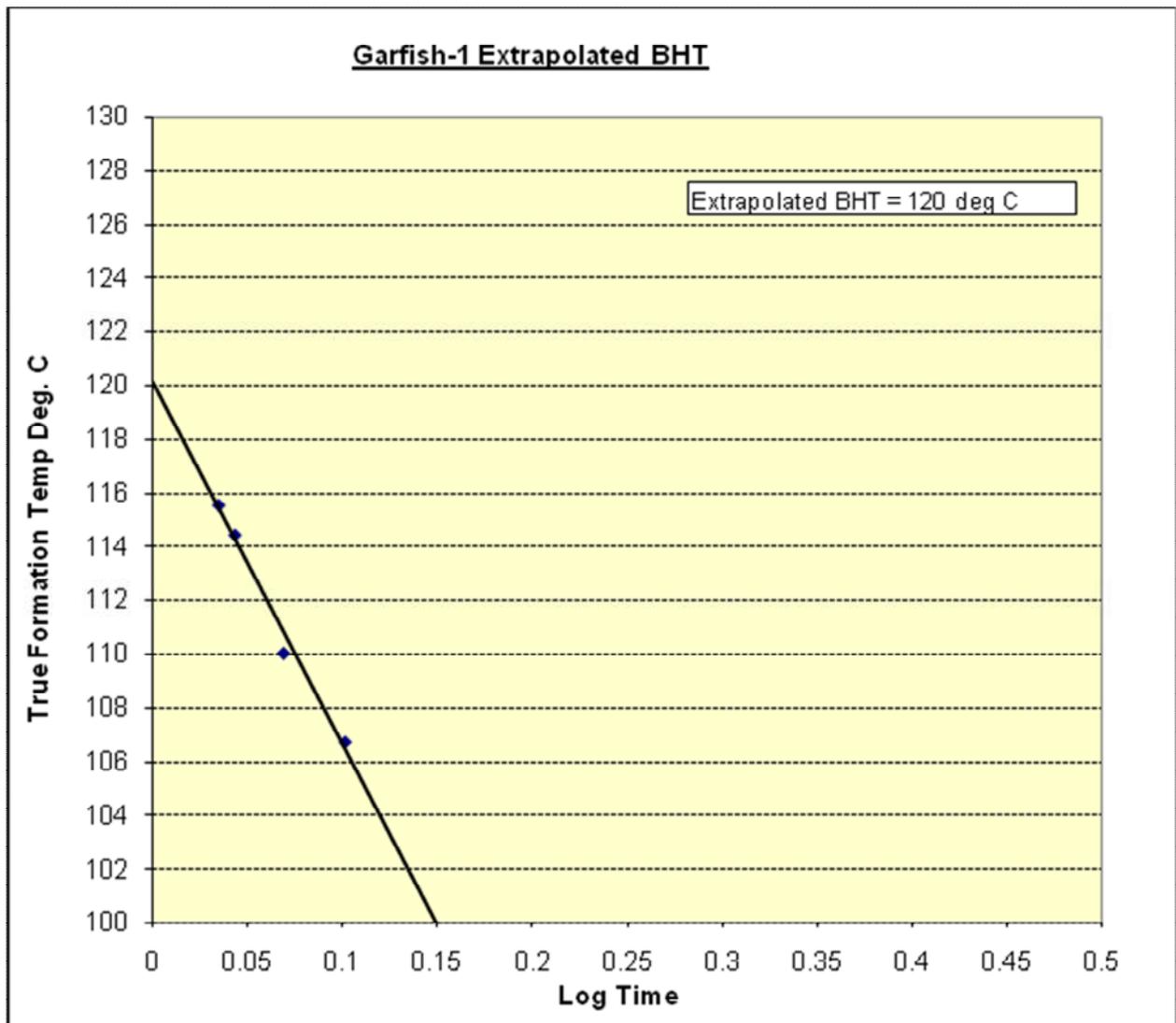


Figure 4: Garfish-1 BHT Horner Plot

APPENDIX 1: DRILLING END OF WELL REPORT



End of Well Report

GARFISH-1

Issue	Rev	Description	Prepared By:	Reviewed By:	Approved By:	Date:
1	1	Final Copy	DE	SDE	DES	4/2/09
1	0	Draft Copy	DE	SDE	DES	21/11/08
1	A	Issued for comment #1	DE	SDE	DES	26/08/08



TABLE OF CONTENTS

1. DISTRIBUTION LIST 3

2. APPROVALS 4

3. EXECUTIVE SUMMARY 5

4. WELL SUMMARY & OVERVIEW..... 6

 4.1 Well Summary6

 4.2 Casing and Cementing Data7

 4.3 Operations Summary8

 4.4 Health, Safety and Environment (HSE).....12

 4.5 Well Highlights14

 4.6 Well Lowlights.....14

5. TIME ANALYSIS..... 15

 5.1 Breakdown by Well Phase15

 5.2 Non Productive Time Analysis17

 5.3 Time Depth Curve18

6. KEY OBSERVATIONS AND CORRECTIVE ACTIONS..... 19

7. WELL SCHEMATIC..... 22

8. ATTACHMENTS..... 23

 8.1 Attachment 1: Well Montage23

 8.2 Attachment 2: Bit and BHA Record23

 8.3 Attachment 3: Mud Report23

 8.4 Attachment 4: Casing Report23

 8.5 Attachment 5: Cementing Report.....23

 8.6 Attachment 6: LOT/FIT Report23

 8.7 Attachment 7: Final Geodetic Survey.....23

 8.8 Attachment 8: Activity Summary Reports.....23

 8.9 Attachment 9: Garfish-1 Final Fix.....23



1. Distribution List

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6	Nexus	HSEC Manager	1



2. Approvals

Prepared by:

4/2/2009

ADA Drilling Engineer

Date

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4/2/2009

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4/2/2009

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Date

4/2/2009

Nexus Energy Ltd

Date

Disclaimer

This document has been prepared on behalf of and for the use of Nexus in accordance with generally accepted consulting practices, and is issued in accordance with the agreement between Nexus and Australian Drilling Associates Pty Ltd (ADA). The information contained in this document is provided as a guide only. Although every effort has been made to ensure the accuracy of the information, ADA disclaims any liability or responsibility for the accuracy of the information contained herein.

3. Executive Summary

The West Triton jack-up came on contract to Nexus at 22:30hrs on 25 May 2008 following completion of 3D Oil operated Wardie-1 well. Garfish-1 was spudded at 13:30hrs on 28 May 2008 in 56.3m of water with the rotary table being located 96.2m above MSL. The well operations were executed as follows:

- Drilled 36in hole to 132mMDRT, ran 30/24in conductor casing to 127.8mMDRT and cemented same.
- Following the cleanout of the 24in shoe with a 22in bit the 17.5in hole section was drilled to 755mMDRT, the 13.375in casing run to 746.5mMDRT and cemented in place.
- Following the cleanout of the 13.375in shoe with a 12.25in bit the 8.5in hole section was drilled to core point at 2450mMDRT.
- A single core was cut from 2450-2470mMDRT and 19.34m (96.7%) recovered.
- Drilled 8.5in hole to TD at 2590mMDRT.
- Four (4) wireline logging runs made to evaluate the reservoir section.
- Abandoned the well by setting two back-to-back open hole cement plugs from 2100-2308mMDRT, one plug across the 13.375in shoe (670-768mMDRT) and a further plug below the mudline (120-236mMDRT). Cut the 30in and 20in casings at 96.8mMDRT and recovered same to surface.

The Garfish-1 well ended at 09:00hrs on 19 June 2008 when the rig was handed over to the Nexus operated Longtom-4 well. A total of 24.44 days were spent on the well of which 2.58 days were non-productive (10.5%). This compares favourably with the planned AFE time of 29.9 days. At the time of writing this report the estimated final cost for the Garfish-1 well was A\$26,935,000 compared to the AFE cost of A\$30,111,800.

From a HSE perspective two first aid cases and three near miss incidents were recorded on Garfish-1. No damage to the environment was recorded on the well.

The main highlights on the Garfish-1 well were as follows:

- No LTI's sustained on the well.
- The West Triton successfully drilled a subsea well for the first time.
- There was no damage to the environment.
- Well was drilled and abandoned within planned time and budget.
- The 10.5% NPT on the well was less than the 15% NPT allowed for in the Garfish-1 AFE.

The main lowlights on the Garfish-1 well were as follows:

- One of the near-miss incidents was a significant event when one of the 22in insert bushings for the 30in slip bowl (weighing approximately 300kg) fell through the rotary table and knocked out a section of grating in the Texas deck before falling into the sea. There were two men working on the Texas deck at the time, only a few metres from the bushing impact.
- Delay in the arrival of the Cameron wellhead resulted in NPT.

4. Well Summary & Overview

4.1 Well Summary

Well Name	Garfish-1
Country	Australia
Designation	Exploration
Field Name	Garfish
License/Permit	VIC / L29
Rig Name/Type	West Triton / Jack Up MODU
Field Operator	Nexus Energy VIC/P54 Pty Ltd
Participants	Nexus Energy: 100%
Rig on Contract	25 th May, 2008 @ 22:30hrs
Rig Arrived Location	26 th May, 2008 @ 11:30hrs
Spud Date	28 th May, 2008 @ 13:30hrs
Reached TD	12 th June, 2008 @ 13:30hrs
Well Abandoned	18 th June, 2008 @ 18:00hrs
Rig Off Location	19 th June, 2008 @09:00hrs
Total Days on well	24.44 days
Total Days AFE (excluding testing phase)	29.9 days
Total Depth	2590m MDRT
Well Type	Vertical
Water Depth	56.3m
RT above MSL	39.85m
Rig Heading	111.37° True
Spudcan Penetration	Bow: 1.60m Port: 1.55m Starboard: 1.70m
Zone	55 GDA94
Surface Latitude	38° 6' 38.084" South
Surface Longitude	148° 15' 17.147" East
Surface Easting	610,001.32m E
Surface Northing	5,781,172.45m N
36in Hole / 30in x 24in Conductor	132m MDRT / 127.8m MDRT
17.5in Hole / 13.375in Surface Casing	755m MDRT / 746.5m MDRT
8.5in Hole	2590m MDRT

4.2 Casing and Cementing Data

4.2.1 Casing Data

Type	Size (inches)	Weight(ppf)	Grade	Thread	Depth (mMDRT)
Conductor	30in x 24in	310 (1in wall)	X-52	Lynx HT/ Lynx SA-2	93.9 - 127.8
Surface Casing	18.75in 10ksi Wellhead	-	-	Welded	92.6 – 93.9
	20 x 13.375in x-over	203 (1in wall)	-	Vam Top	93.9 – 102.65
	13 3/8	72	SM95T	Vam Top	102.65 - 506.65
	13 3/8	72	P-110	Vam Top	506.65 – 632.50
	13 3/8	68	K-55	Buttress	632.50 – 746.53

4.2.2 Cementing Data

String Cemented	Cement Type	Dry Cmt Vol (sk)	Cement Additives	Mix Water (gal/sk)	Slurry Vol (bbls)	Slurry Density (ppg)	Cement to /from(mM DRT)	Csg Test Press (psi)
30in X 24in	Class G	719	1% CaCl	5.16	150	15.9	seafloor (96.25m) - 132m	NA
			NF-6 : as required					
13 3/8in Lead	Class G	961	Econolite: 15gal/10bbl NF-6: as req	12.54	377	12.5	96.25m-646.39m	2000
13 3/8in Tail	Class G	304	CFR-3L: 3gal/10bbl NF-6: as req	5.10	63	15.8	646.39-746.39m	2000
			HR-6L: 2gal/10bbl					
Plug #1	Class G	141	SCR-100L: 3gal/10bbl CFR-3L: 3gal/10bbl NF-6: as req	5.12	25	15.8	2190m-2308m	NA
Plug #2	Class G	164	SCR-100L: 3gal/10bbl CFR-3L: 3gal/10bbl NF-6: as req	5.12	32	15.8	2100m-2190m	NA
Plug #3	Class G	281	CFR-3L: 3gal/10bbl HR-6L: 2gal/10bbl	5.12	55	15.8	670m-768m	NA
Plug #4	Class G	258	NA	5.20	49	15.9	120m-236m	NA

4.3 Operations Summary

4.3.1 Rig Mobilisation and Rig Up

The West Triton came on contract to Nexus Energy for the tow to Garfish-1 at 22:30hrs on 25 May 2008 when the rig was 1nm from 3D Oil's West Seahorse-3 location. Tow distance was 32nm and the tow route included one way point to avoid passing over another operator's subsea well (Seahorse-1). Three pipelines were crossed without incident during the tow. The rig was pinned on Garfish-1 location at 11:30hrs on 26 May 2008, and was jacked up to 2m draft to begin pre-loading operations.

Due to two thin clay layers from 0.8m to 2.2m and from 4.0m to 5.2m below the seabed, sandwiched between sand layers, the warranty surveyor (Braemar Falconer) required an extended preloading procedure to guard against potential settlement during preloading. Full preload was applied to all three legs simultaneously at 2m draft and held for two hours, before dumping 30 percent of the preload and jacking up to minimal air gap and increasing preload to 100 percent again. The out of water preload was held for 6 hours. After dumping preload the rig was jacked up to operating air gap of 17m.

Spudcan penetration before and after preloading was:

Leg	Before	After
Bow	1.05	1.60
Port	1.15	1.55
Starboard	1.20	1.70

Total time on the moving rate was 37 hours and a further 24 hours was spent getting rigged up, which included skidding the cantilever and picking up BHA components and drill pipe. A total of 4.5 hours of this 24 hours was lost while the Texas deck was raised back to the travelling position due to concerns that there was insufficient clearance in the drilling slot for safe travel of the 30in subsea wellhead with the bullseye and remedial cementing guide funnel attached. The wellhead with these attachments in place was designed to pass through the Texas deck drill slot, but it required the bullseye to be rotated into the horizontal plane by the ROV once the conductor was on depth, and the clearance was minimal, leading to concerns that wave action on the conductor may result in damage to the bullseye. As a consequence, the Texas deck was raised back to the travelling position, after being deployed, before running the 36in BHA.

4.3.2 Drilling 36in Hole section / Setting 30in Conductor

Garfish-1 was designed as a subsea well - the well had a subsea wellhead and utilised a high pressure riser with the rig's surface BOPs. Thus, in the success case, the well could be suspended and, at a later date tied-in to the Longtom subsea development. The well was spudded at 13:30 hrs on the 28th May 2008 with a Reed YC11 26in rock bit with a 36in hole opener. The section was drilled from seabed at 96.2m MDRT to section TD at 132m in 1.5 hrs. At TD the hole was swept with 200bbls of hi-vis and displaced to inhibited mud remaining from the previous well, prior to POOH and racking back the BHA.

The 30in conductor string comprising a shoe joint, with 24in float shoe, an intermediate joint and the 30in wellhead housing joint was run to a setting depth of 127.8m, leaving the top of the 30in wellhead housing at 93.9m, 2.3m above the seabed. The conductor was successfully cemented back to the seabed with 150bbls, 15.8ppg Class G cement. WOC time was 7.5 hours before the surface samples were hard enough to confidently release the running tool. After recovering the running tool, the Texas deck was deployed.

4.3.3 Drilling 17.5in Hole Section / Setting 13.375in Casing

A 22in bit was picked up and RIH to tag top of cement at 125m. The 24in shoe and rat hole was drilled out from 125m to 132m, before pumping a 75bbls hi-vis pill and POOH. A 24in shoe was used for compatibility with Longtom-4 which was designed with a string of 16in surface casing instead of the 13.375in casing used in Garfish-1. On POOH the automatic elevators were not operating properly so were changed out for manual elevators.

The 17.5in BHA with a Smith XR+C (115) rock bit was made up and RIH to 132m. Drilling commenced from 132m to section TD at 755m, taking surveys every 90m and pumping a 50bbl hi-vis pill every stand. At TD a 150bbl hi-vis pill was pumped around and the hole was filled with 500bbls of pre-hydrated bentonite mud. The bit was then POOH to 132m and the rig waited on delivery of the high pressure wellhead. There was a late change to the design of the crossover between the 13.375in casing and the HP wellhead. This was done to eliminate a 16in squinch joint in order to provide sufficient pressure integrity in the event of a well test. This design change required expediting the modified high pressure wellhead assembly. After waiting for 8 hours, the bit was run back to TD and the hole was re-displaced with inhibited mud, before POOH.

Prior to running casing the wellhead was made up to the running tool and the SSR cement plug was installed. This operation was not trouble-free as 6.5 hours were lost attempting to get the running tool properly made up to the wellhead. Combinations of primary and backup running tools and wellheads were tried before the two primary items were successfully made up by inserting support bolts into the running tool. These bolts are required to properly line up the running tool dogs with the groove in the wellhead, when the wear bushing is not installed in the wellhead, and are removed after proper make up. In this case the wear bushing was already installed and this measure should not have been necessary. An NCR was raised on Cameron over this incident.

The 13.375in casing and 18.75in high pressure subsea wellhead was RIH to a setting depth of 746.5m. The wellhead was latched into the 30in LP wellhead housing and confirmed with 50klbs overpull before successfully cementing the 13.375 casing with 377bbls of 12.5ppg class G cement lead and 63bbls of 15.8ppg class G cement tail.

4.3.4 Running 22in HP Riser / NU BOPs

The 22in HP riser was designed with a special slim-line H4 connector that would pass through the drill slot in the Texas deck. However this was not delivered in time and an alternate H4 connector was sourced. This connector was too large to pass through the Texas deck. Instead it was pre-assembled with a 22in riser pup joint and the assembly was transferred to the deck of a supply vessel. From there it was picked up by the drawworks on long slings run through the drill slot in the Texas deck and landed on a "C" plate installed in the drill slot. The 22in riser was then run and spaced out ready for latching the H4 connector to the wellhead.

After the final joint of riser was made up a serious near-miss incident occurred when one of the 22in insert bushings for the 30in slip bowl, weighing approximately 300kg, fell through the rotary table and knocked out a section of grating in the Texas deck before falling into the sea. There were two men working on the Texas deck at the time, only a few metres from the bushing impact. The bushing became dislodged when one of the 30in slip bowl pins was removed, without authorisation. This action caused both 22in insert bushings to be dislodged, one falling through the Texas deck and the other becoming wedged between the 22in riser and the diverter housing. A total of 6.5 hours were lost while this incident was investigated and the Texas deck was made safe, including recovery of the second insert which was jammed in the diverter housing.

Tidal currents caused a 5 hour delay in latching the HP riser H4 connector to the wellhead. The currents caused the riser to oscillate uncontrollably above the wellhead, and it was not until slack water that the ROV was able to guide the H4 connector over the wellhead. This particular H4 connector was not designed for easy land out as it had no guide funnel on the bottom and no



grab handles for the ROV to get a hold of. There were also several large bolts projecting from the lower side of the body that had the potential to cause significant damage to the wellhead connection sealing surface. On slack tide the H4 connector was latched and confirmed with 50klbs overpull, and the riser was successfully pressure tested to 500 psi/10 minutes.

Following pressure testing of the riser, it took 20.5 hours to rig up the riser tensioning system involving the rig's conductor tensioning unit (CTU) and a Claxton clamp that was purchased specifically for the job. The CTU had to be split in two to fit around the riser and after reassembly the hydraulics caused problems with uneven movement of the load ring which caused the slip carriers in the Claxton clamp to fail. In all 7 hours were lost resolving the hydraulics issues in the CTU and replacing sheared bolts in the Claxton clamp. After repairs the CTU was successfully tensioned to 100MT.

The BOPs were run and successfully tested against the surface casing to 2000 psi/10mins.

4.3.5 Drilling 8.5in Hole Section, Coring and Logging

A 12.25in Smith SVHC rock bit (215) was made up on a minimum BHA and RIH while picking up drill pipe. Cement was tagged at 733m. The shoe track and rat hole were drilled out to 755m before drilling 3m of new formation and conducting a FIT to 17.39ppg EMW. The well was flow checked before POOH to pick up the 8.5in bit and BHA for drilling to core point.

A Reed 8.5in RSX519M-A2 bit was made up on a GR-Res-Directional MWD BHA and RIH picking up drill pipe to 734m before racking back 6 stands to allow enough pipe to be picked up to drill to core point. The 8.5in hole was drilled from 758m to 2077m taking surveys every three stands initially, but later every five stands. A Flow-Show alarm at 2077m proved to be false due to a malfunctioning gauge. At 2100m the mud weight was raised from 10.1ppg to 11ppg as per program requirement to have 11ppg mud weight prior to drilling into the Admiral sand.

Drilling continued from 2077m to 2410m, with a drilling break at 2407m from 11m/hr to 30m/hr encountered. Core point was picked at 2450m where the hole was swept with 50bbls hi vis pill, circulated clean and flow checked before POOH to pick up the core barrel.

A 54m core barrel with BHC409Z corehead cut a 20m core from 2450m to 2470m in 16 hours. 30klbs was required to break the core before POOH at a controlled rate, over 11 hours. On surface a total of 19.34m of core (96.7%) was recovered.

A new Reed 8.5in RSX616M-D2 PDC bit was used to ream across the cored section from 2450m to 2470m and to drill to TD at 2590m. A 50bbl hi-vis pill was pumped and the hole circulated clean for the trip out. It was necessary to back ream from 2583m to 2374m and tight hole, which required jarring, was encountered at 2949m and 2484m.

The following Schlumberger logging tools were run over a 53 hour interval:

Log #	Log Suite	Interval
Log #1:	PEX-ECS-HRLA-HNGS-GR	746m to 2590m
Log #2:	FMI-DSI-XPT	XPT failure
Log #2b:	MDT	1994m to 2525m
Log #3:	VSP	96m to 2580m
Log #4:	CST	2025m to 2580m

During log #2, the XPT tool failed due to a check valve that was incorrectly installed in the hydraulic system. The FMI and DSI were logged normally while POOH to pick up the MDT. The MDT run took 12 hours to complete, 4 hours of which can be considered NPT.

During log #4, 60 CST shots were made of which 42 were recovered, 16 misfired and 2 were empty. In post well analysis it was agreed that newer generation CST tools would be used in future, which would not cause all shots to fail after three consecutive misfires.

4.3.6 Abandonment Operations

Immediately following logging operations, plug and abandonment of the well began. A 2 7/8in cement stinger was used to set the open hole and 13.375 shoe plugs. Plug #1 was set across interval 2190m to 2308m (118m) using 26bbls of 15.8ppg class G cement and Plug #2 was set immediately above from 2190m to 2100m (90m) using 32bbls of 15.8ppg class G cement. After WOC for 6hrs TOC was tagged at 2091m. A 25bbl hi-vis pill was spotted from 908m to 760m and Plug #3 was set across the 13.375in shoe (670m to 768m) using 55bbls of 15.9ppg class G cement. The cement stringer was POOH and cement plug #3 was tested successfully to 1200psi.

A 30bbls hi-vis mud pill was spotted from 296m to 236m through OEDP prior to displacing the hole to seawater and setting Plug #4 (surface plug) across interval 120m to 236m, using 49 bbls of 15.9ppg class G cement.

The BOPs were nipped down and set back on the test stump. The DQ running tool was made up into the wellhead and tension was taken on the hook in order to rig down the Claxton clamp and CTU. The 22in HP riser was then retrieved with the H4 connector assembly being hung off at the Texas deck by the C plate. The H4 connector was lowered directly on to the supply vessel using long slings suspended from the hook and the Texas deck was stowed in the travelling position as the subsea wellhead recovery tool would not pass through the drill slot in the Texas deck.

The casing cutter with the Weatherford MOST tool was RIH and landed out into the wellhead with 4klbs compression and the 20in and 30in casings were cut at 98.4m. An attempt to pull the casing free with 100klbs was unsuccessful. The ROV was run to check the casing cutter, which was pulled out of the wellhead by releasing the MOST tool. Indications were that the cutter had operated correctly and that both casing strings were cut, so the cutter was run back into the wellhead. Further attempts were made to ensure the casings were cut (further rotation of the cutter and circulation and overpull up to 200 kips). Returns were observed coming up the outside of the wellhead, but the wellhead could not be recovered.

The cutting assembly was tripped to change the knives and remove a centraliser, which resulted in the casing being successfully cut at 96.8m, and the wellhead recovered. On surface it was noted that the MOST tool was not latched onto the wellhead, instead the bent knives had jammed inside the 20in casing. The rig welder cut the casings in order for the tools to be freed from the wellhead. In total, 17 hours were lost because the wellhead could not be recovered after the first cut.

Operations on Garfish-1 were completed at 09:00hrs 19th June 2008 when the West Triton was 1nm from Garfish-1, under tow to Longtom-4.

4.4 Health, Safety and Environment (HSE)

4.4.1 HSE Summary

HSE SUMMARY FOR END OF WELL CLOSE-OUT REPORT

Parameter	Units (if applicable)	Garfish-1 (25 May 08 23.30 - 19th June 08 0900)	Comment(s)
Manhours	number	26880	
STOP Cards Generated	number	677	
Total MODU Proactive Safety Efforts	number	1317	Including Issued / Active Work Permits, JSA, Work Instructions, Pre Job safety Mtgs, TOFS, Area Authority Audits & STOP
Audit			
Regulatory Audit	number	1	Incident Investigation Follow - Up Audit by NOPSA on 3rd June 08
Internal EP Compliance Audit	number	0	
MODU Mini HSE Audits	number	2	Environmental Protection & Bulk Hoses by MODU HSE Advisor and Waste Management by MODU ADA Logistics
Training			
ADA ERG Exercise	number	1	Emergency Response table top exercise Northern Light for NEXUS Energy earlier held on 29th May 08
Environmental Plan Training	number	0	
MODU Emergency Drill	number	3	1) 2 Fire / Abandon / Muster (Weekly) Drills held on 1st and 8th June 08 2) 1 Man Overboard held on 5th May 08
Reportable Incident (NOPSA)			
Lost Time Injury (LTI)	number	0	
Alternate Duties Injury (ADI)	number	0	
Medical Treatment Injury (MTI)	number	0	
Non Reportable Incidentm (NOPSA)			
First Aid Case	number	2	1) 31/5/08 - IP sustained bruise to forearm on door frame when leaned on unclosed door and lost balance, falling through doorway. 2) 11/06/08 - IP rolled ankle when stepped on piece of timber while unhooking crane load.
Near Miss	number	3	1) 2/6/08 - 22" insert bowl (~300kg) fell through rotary table and Texas deck while two personnel were standing on Texas deck 2) 13/6/08 - Door closer ripped off door and fell 3m to deck when door caught by strong wind on opening. 3) 15/06/08 - Poor quality rotary slip handles broke off when tong slipped while making connection.
Property Damage / Environment	number	1	WBM lost over shakers when emptying trip tank
Recordable incidents (DPI)			
Spills - occurrence	number	0	
Spills - quantity	litre	0	
Wastes			
Hazardous wastes	m ³	2	All wastes are properly packed, stored and sent onshore to GML and disposed accordingly through Corio Waste Management, an EPA - approved permit holder to transport various wastes including waste from offshore
Non-hazardous wastes	m ³	60	
Marine User Interaction			
Cetacean sightings	number	0	
Errant vessel interaction	number	0	
Impacts from Fishing Operations (interaction)	number	0	
Water Based Muds (WBM)			
Volume water based drilling fluid dispose into the ocean (m ³)	m ³	691.7	Reference made to the Well Environment report
Volume of drill cuttings using WBM disposed to the seabed (m ³)	m ³	187.2	Reference made to the Well Environment report
Oil / Chemical Spills discharged to the marine environment	bbl	0	Reference made to the Well Environment report
Problems with sewage plant resulted in discharge of untreated sewage to the marine environment	number	0	Reference made to the Well Environment report

4.4.2 Significant HSE Events

Injured Ankle (First Aid Case)

A roustabout rolled his ankle when stepping on a piece of timber after hooking up bulker bags. The following actions were raised following a review of the incident:

- Raise incident at PTM and WSM - done.
- Continue coaching all personnel in hazard awareness / risk perception / TEMPO / 4 point check – ongoing.

Dropped Insert Bushing (Near-miss)

A serious near-miss incident occurred when one of the 22in insert bushings for the 30in slip bowl, weighing approximately 300kg, fell through the rotary table and knocked out a section of grating in the Texas deck before falling into the sea. There were two men working on the Texas deck at the time, only a few metres from the bushing impact. The bushing became dislodged when one of the 30in slip bowl pins was removed without authorisation. This action caused both 22in insert bushings to be dislodged one falling through the Texas deck and the other becoming wedged between the 22in riser and the diverter housing. A total of 6.5 hours were lost while this incident was investigated and the Texas deck was made safe, including recovery of the second insert which was jammed in the diverter housing.

Following the incident an investigation team was mobilised to the rig. The team made up of Nexus and ADA personnel came up with the following findings:

- Poor quality JSA (JSA failed to identify hazards, lack of controls identified, and no review mechanism evident) and work permit (not signed by appropriate parties, lacked detail of task) submitted for the job associated with this incident;
- Lack of awareness by person who removed pin as to potential implications of his actions;
- There was anticipation that pins would be hard to remove based on past experience;
- Operator was keen and possibly trying to be one step ahead;
- Relief person on Texas deck unaware of communication protocol – not part of JSA/ Toolbox;
- It was unclear if design timeline allowed appropriate assessment of possible alternatives;
- The activity being undertaken was classed as a “non standard” operation;
- Some people were unaware of personnel working on Texas deck;
- There was a lack of awareness of potential hazard by all;
- There appears to be a lack of experienced supervisors and general personnel ;
- There appears to be a lack of understanding of drill floor protocol;
- There appears to be a high % of “green hats”;
- The driller left the floor without communicating his actions or required instructions;
- There is an inadequate drill floor communication system.
- The line supervision, levels of competency was discussed. The importance of strong leadership in minimising risk and being accountable for the safety of the crew and only delegate tasks to competent personnel who fully understand their role in the task/operation.
- Training: People being promoted without adequate experience. It was noted and agreed that many of the personnel, were relatively new to offshore drilling and were progressing quickly through the ranks without the desired level of competency/experience. There was general agreement this was the current climate in the Oil & Gas industry.
- Process Checks: The lack of “process checks”, e.g. checking that people have the necessary training and skills and competency to do the task, monitoring the JSA and WP process for compliance was considered as a contributing factor to higher risk. The use of competency measures to identify strengths and weakness of all personnel including third party, enables appropriate training to be identified and initiated.
- Permit To Work: On inspection of the PTW’s in use when the incident occurred, these were not sufficient in providing enough information on the tasks being performed. It was also noted that the PTW holder, omitted to sign the JSA, raising the question of good communication between documents.
- Relief system: After discussion with crew members, it became apparent that there was inadequate discussion and explanation of the task, when personnel on the Texas Deck, changed out for a break.

As well as the aforementioned findings from the investigation team the following actions were generated by the rig crew after the incident:

- Reinforce the expectation of the JSA / AAR / PTW to all staff – done.
- Conduct JSA / AAR / PTW refresher training – done.
- Conduct TEMPO training with all personnel – done.
- Implement the Seadrill "HSE Step Change" program (safety behaviour program) - done.
- Reinforce responsibilities of contractor supervision with contractor specific equipment – done.
- Reinforce basic drill floor protocols and the interface of third party contractors and their equipment – done.

Further details on the near-miss incident are located in a report titled "Incident Report, West Triton, Dropped Object 2 June 2008".

Disengaged Door Closure (Near-miss)

High winds caused a disengaged door to slam closed. The following actions were raised following a review of the incident:

- Install warning signs on key doors – done.
- Maintain weather watch and brief personnel during PTM's and TBT's – ongoing.
- Improve fastening of new door closer – done.
- Investigate possibility of installing wind breaks at key doorways – done.

4.5 Well Highlights

The main highlights on the Garfish-1 well were as follows:

- No LTI's sustained on the well.
- The West Triton successfully drilled a subsea well for the first time. This involved many new operations such as the handling of subsea risers and wellheads which many offshore personnel had not previously been exposed to on a jack-up rig.
- There was no damage to the environment.
- Well drilled and abandoned within planned time and budget.
- The 10.5% NPT on the well was less than the 15% NPT allowed for in the Garfish-1 AFE.
- All geological targets intersected as programmed.
- A 20m core was successfully cut with 96.7% recovered to surface.
- Acquired all programmed LWD and wireline log data.
- Excellent ROP while drilling the 8.5in hole section.
- The well was successfully abandoned in accordance with the Regulators requirements.

4.6 Well Lowlights

The main lowlights on the Garfish-1 well were as follows:

- A serious near-miss incident occurred when one of the 22in insert bushings for the 30in slip bowl, weighing approximately 300kg, fell through the rotary table and knocked out a section of grating in the Texas deck as described in section 4.4.2.
- Delay in the arrival of the Cameron wellhead resulted in NPT.
- Setting up the tension support for the 22in high pressure riser took excessive time due to problems with the CTU (after this unit was split) and also due to problems with the Claxton clamp. Personnel on the rig had inadequate knowledge about both these items and hence problems took longer to resolve. The Claxton clamp was particularly difficult to deal with and there are better products available for this job.
- Although coring was quicker than allowed for in the AFE, the performance of the BHC409Z corehead was disappointing as it averaged barely 1m/hr while cutting the core.
- Failure to recover the subsea wellhead after the first cut was disappointing and future wells in the area should plan for the cut to be made as close to the seabed as possible to avoid a repeat.

5. Time Analysis

5.1 Breakdown by Well Phase

Table 1 summarises the AFE planned and actual time breakdown on the Garfish-1 well by operational phase. Figure 1 presents the same data in graphical format. The following points comment on the phases where the actual time significantly exceeded the planned AFE time:

- The drilling of the 36in hole section including the pick-up and lay-down of the BHA was 12hrs slower than planned due primarily to the time associated with picking up 8in collars and lifting the Texas deck (to allow running of the conductor following drilling operations).
- No time was allocated in the planned time for the cleanout of the 24in shoetrack – hence the 0.75 day delta in this phase.
- The 1.05 day overrun on the planned HP riser and BOP rig-up time was primarily a function of two significant NPT events during this phase – the dropped insert bushing incident and the difficulty adjusting the tension on the riser (see section 5.2).
- The logging operation did not meet the AFE target time as the XPT tool failed (incorrect check valve installation) on logging run #2 and was POOH. An MDT tool was run on the subsequent run.

The planned AFE time for the Garfish-1 well of 29.9 days was made up as per the following:

- Operational days = 22.5 days
- WOW allowance = 4.0 days
- NPT allowance (15%) = 3.4 days

The actual time on the Garfish-1 well of 24.44 days had 2.58 days of NPT, 0.21 days of rig repair and 0.08 days of WOW. Therefore there were 21.6 productive days on the well. This figure compares favourably with the pre-well estimate of 22.5 productive days on the well.

OPERATION	Planned	Actual	Total NPT	Rig Repair	WOW	Delta
Mob/Rig Up	1.82	2.00	-	-	-	+0.18
Drill 36in conductor hole	0.29	0.79	-	-	-	+0.50
Set 30in conductor	0.91	0.77	0.15	-	-	-0.14
Clean out 24in shoetrack	0.00	0.75	0.02	0.02	-	+0.75
Drill 17.5in hole	1.83	1.71	0.50	-	-	-0.12
Set 13.375in casing	1.44	1.04	0.27	-	-	-0.40
Make up HP Riser and BOP	1.87	2.92	0.67	0.13	0.08	+1.05
Cleanout 13.375in shoetrack	1.29	0.75	0.02	0.02	-	-0.54
Drill and Evaluate 8.5in hole	4.82	4.06	-	-	-	-0.76
Cut core	2.75	1.94	-	-	-	-0.81
Drill and Evaluate 8.5in hole	1.33	1.40	0.06	0.02	-	+0.07
Log	1.64	2.21	0.17	-	-	+0.57
Abandon Well - Lower Section	2.25	1.31	0.02	0.02	-	-0.94
Rig down BOP and HP Riser	0.86	1.10	-	-	-	+0.24
Abandon Well - Upper Section	0.86	1.06	0.71	-	-	+0.20
Rig Down and Moveout	5.96	0.63	-	-	-	-5.34
TOTAL	29.9	24.44	2.58	0.21	0.08	-5.48

Table 1

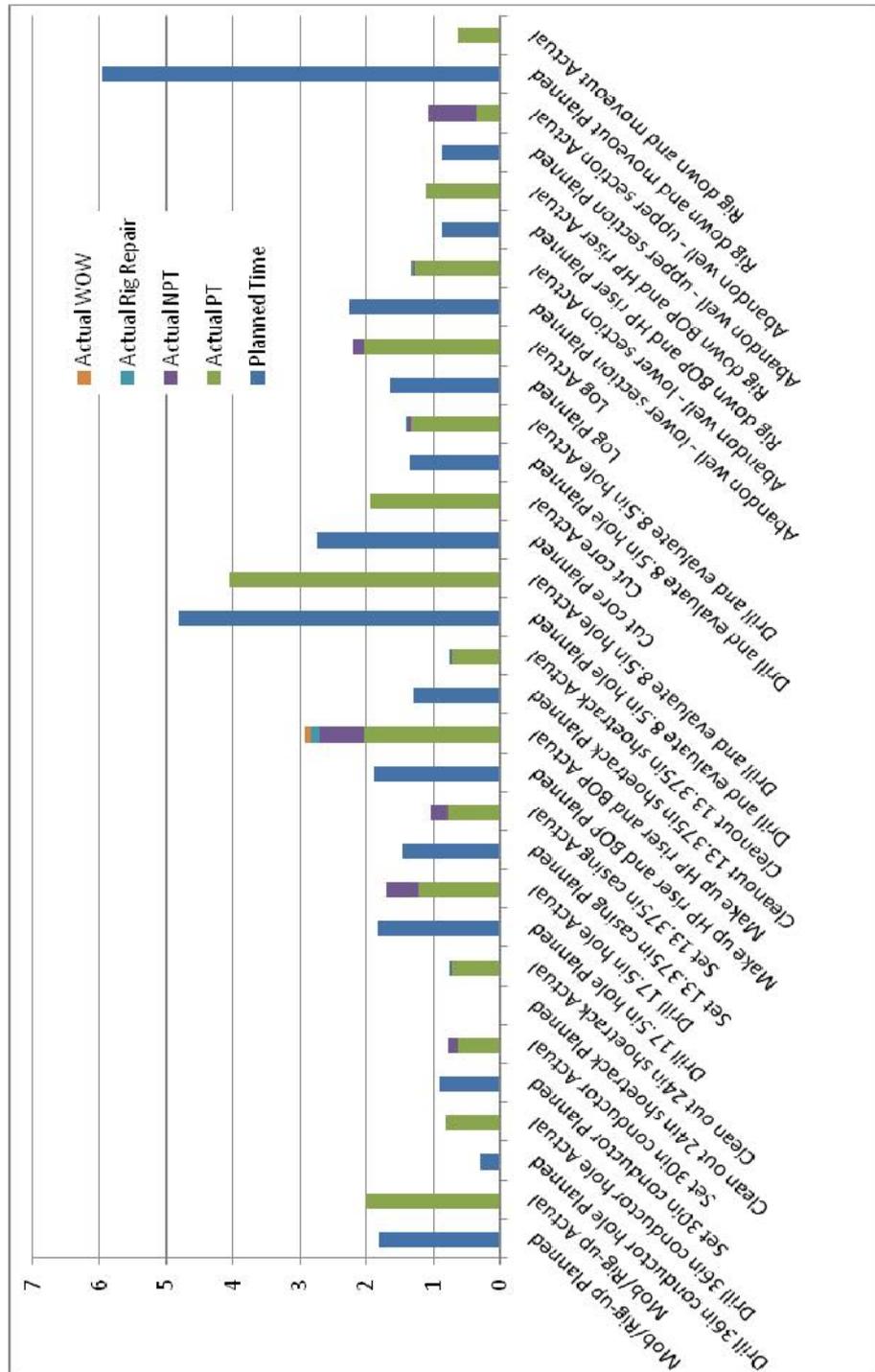


Figure 1

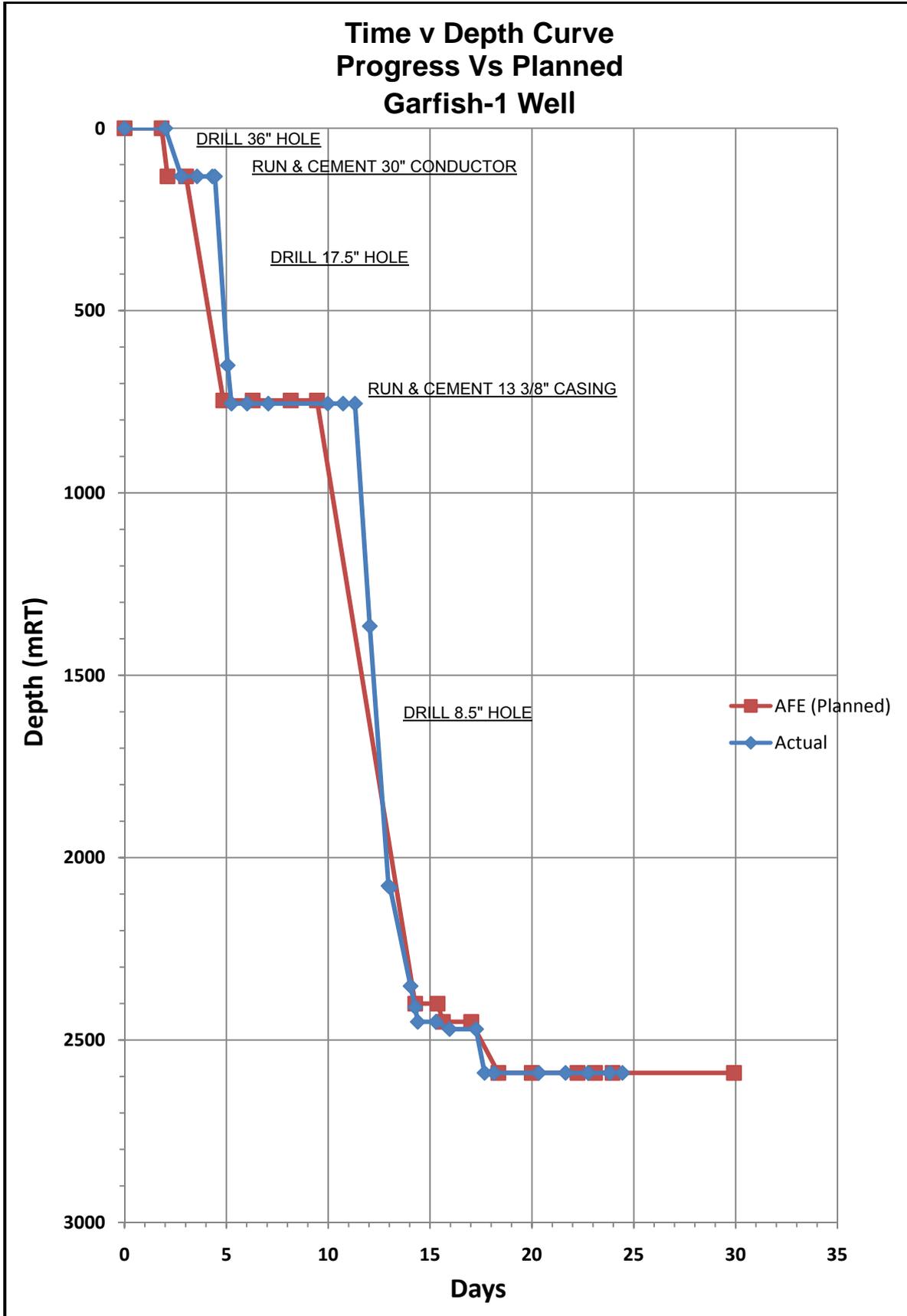
5.2 Non Productive Time Analysis

The following points describe the significant NPT events on the Garfish-1 well:

- 12hrs were spent waiting on the high-pressure wellhead to be delivered to the rig. The late arrival of the wellhead is due to insufficient time being available to source and prepare the wellhead assembly during the planning period. The well design was somewhat specialised in having the surface casing also acting as the production casing in a well test (or completion) scenario. To ensure gas tight serviceability the wellhead extension had to be modified to eliminate non-metal-metal connections. Whilst waiting on the wellhead to arrive at the rig the CTU was lowered to the Texas deck, the test joint was removed from the BOP and the wellbore was washed and lightly reamed.
- 6.5hrs was lost attempting to engage the Cameron STC-10 wellhead running tool onto the high pressure wellhead. Several unsuccessful attempts were made to engage the primary wellhead, including using the backup running tool and backup wellhead. A solution was found by installing bolts that typically are used only when the wear bushing is not run. The running tool was then successfully made up to the wellhead and the bolts removed from same.
- 6.5hrs were lost due to the rig being shut down following the dropped object insert bushing incident as described in section 4.4.2.
- 7hrs were lost when the conductor tensioning unit (Icon) malfunctioned and the resultant hydraulic cylinder differential stroke length loaded the attached tensioner clamp (Claxton) slip segments differentially, thus causing the bolts to shear. The problem was resolved by removing the slip segment captivation plate from the Claxton clamp to allow replacement of the sheared slip segment adjusting bolts.
- 17hrs were lost during the well abandonment when the cutting/retrieval BHA (Weatherford's MOST tool) had to be re-run. After the initial cut (2.15m below the mudline) was thought to have been made, an overpull of 100kips failed to separate the strings. The MOST tool was then released and the ROV observed cutters intact and showing wear. The tool was re-engaged and circulation together with 200klbs overpull was unsuccessful (ROV observed returns from mudline). The tool was retrieved and the cutter blades changed. The second attempt (0.55m below the mudline) successfully severed the 30in x 20in casing strings. The MOST tool grapple on the high pressure wellhead mandrel failed, but fortunately the cutter blades were able to bind the 20in casing and allowed the severed assembly to be retrieved.

Learning: On future wells cut the mudline conductor joint and wellhead extension joint at the mudline unless the TOC behind the conductor is below the programmed cut point.

5.3 Time Depth Curve



6. Key Observations And Corrective Actions

Observations by Phase		Comments / Corrective Action Taken or Proposed
Mob & rig up	<ol style="list-style-type: none"> Mobilised two tugs to assist rig positioning Site approval was given on the basis that an extended preload was conducted at the Garfish-1 location due to the potential risk of punch-through. Efficiency Practices: Attached main tow bridle concurrent with skidding ops; Attached secondary tow lines concurrently with water tight integrity check; Pressure tested IBOPs whilst preloading; Slip/cut drill line whilst preloading 	<ol style="list-style-type: none"> Additional boat requirement driven by Pacific Valkyrie mechanical reliability issues Preload procedures to be determined at onshore rig move meeting Continue efficiency practices on next well
Drill 36" conductor hole	<ol style="list-style-type: none"> Tight clearance between 30" WH with attachments and Texas deck drill slot. Drilled 36" hole and ran 30" conductor with Texas deck retracted Vibration while drilling top hole can cause damage to CTU Suitcase ROV mobilised when work class ROV unavailable (being installed) 	<ol style="list-style-type: none"> Employ this recommendation on next well Deploy CTU post 36" hole Provided excellent pictures of seabed tag and spud
Set 30" conductor	<ol style="list-style-type: none"> Folding bullseye is difficult to rig up and get square Suitcase ROV was unable to operate in the current prevailing at the time, to observe stabbing 30" conductor into 36" hole 	<ol style="list-style-type: none"> Consider alternate fixation Work class ROV unavailable
Drill 17½" hole	<ol style="list-style-type: none"> BHA roller boxes required for efficiency improvement 	<ol style="list-style-type: none"> Mobilise for next hole section.
Set 13⅝" casing	<ol style="list-style-type: none"> Unable to remove casing protectors on pipe rack. Several box protectors on the SM95 Vam Top had to be cut loose using a burning torch. Cameron 18¾" wellhead CART would not make up into wellhead when oriented vertically. Discovered that support rods were required to locate CART accurately for correct make up. Cameron procedures were incorrect. Short (1m) casing cross-overs are awkward to handle. Replace side-door elevators with FMS and slip-type elevators 	<ol style="list-style-type: none"> Engineers to check with Supply base that casing has been serviced Cameron to provide explanation and revise procedures Provide full length cross-overs for next well. Use of side-door elevators does not allow for easy use of circulating tool in event that casing has to be washed down. Also, no stabbing board on rig so each joint casing would have to be tailed in using the crane.

Observations by Phase		Comments / Corrective Action Taken or Proposed
Run HP Riser/BOP	<ol style="list-style-type: none"> 1. Ran H4 connector with VX gasket in place to eliminate dependence on ROV to place gasket on wellhead 2. Installed side-entry sub and valve above DQ clutch-type running tool to bleed off trapped pressure 3. Several slings were shackled together to lift the H4 off the boat deck onto the Texas deck using the drawworks. The slings were not quite the same length causing the connector to pick up slightly tilted. 4. No guidance on the bottom face of the back-up H4 connector. This caused problems trying to land connector over the wellhead. 5. Bottom face of the H4 connector has several bolts protruding up to 2". These could severely damage the gasket profile if connector was improperly aligned with wellhead 6. ROV crew working excessive hours. Only one crew available 7. Driller unable to watch TV monitor 8. Had to wait for slack tide to land H4 connector because of excessive riser movement caused by current 9. CTU caused problems for the Claxton clamp because it stroked unevenly after the two halves of the unit were rejoined 10. One of the 22" insert bowls for the 30" split bowl used to run the 22" riser was lost overboard 11. The lifting pad eyes on the 22" riser joints were not used during the riser running operations, and no purpose for them is foreseen. 	<ol style="list-style-type: none"> 1. To be decided on a case by case basis 2. Safety practice 3. Matched pair of rig up slings ordered 4. Consider installing a guide funnel on the bottom of the H4 connector 5. Modify bottom face of connector to eliminate projections that could damage the gasket profile 6. Provide 24 hour ROV cover during critical phases of the operation 7. Should be part of ROV package to provide monitor on rig floor 8. Consider adding guidance system to wellhead / connector interface to eliminate current induced movement 9. Develop "commissioning" procedure for the CTU that will fully test the unit's functionality after rejoining the halves and prior to imposing any load on the unit; after reassembling the CTU, stroke it to working height before installing the Claxton clamp on the riser to avoid uneven loading of the clamp; source 22" centraliser pads for the CTU 10. Source a third 22" side door elevator to allow the riser to be run with two SDEs instead of using the 30" split bowl. 11. Remove the lifting pad eyes from all 22" riser joints.
Cleanout with 12¼" bit	<ol style="list-style-type: none"> 1. RIH with slick 22" BHA to drill 24" shoe track – this freed crane for ROV installation to proceed 	<ol style="list-style-type: none"> 1. Amended drilling programme to suit operations
Drill 8½" hole	<ol style="list-style-type: none"> 1. Relax survey frequency to every 3 or 5 stands 2. Excellent performance with 5 blades x 19mm cutter PDC 	<ol style="list-style-type: none"> 1. Every stand frequency not required in vertical hole, packed BHA, soft formations. 2. Recommended for future applications
Core	<ol style="list-style-type: none"> 1. Core bit was incorrect for the formation 2. Tripping speeds should be challenged when the drilling shows that the formation has been tight and no gas is anticipated in the core 3. Top swivel sub did not need to be laid down as a lifting cap could have 	<ol style="list-style-type: none"> 1. More aggressive bit required 2. To be incorporated into next program 3. Mobilise lifting subs for next program 4. BHI to review arrangement / design for guide frame

Observations by Phase		Comments / Corrective Action Taken or Proposed
	<p>been used on the bottom of the inter core barrel on this sub after the it and the inter core barrel were broken and then a 20' sling could have been used between the bottom of the sub and the top of the core barrel then the blocks could have been used to lift the inter core barrel taking away the need to use one of the air tuggers</p> <ol style="list-style-type: none"> When cutting the aluminium inner barrel the "Jam Buster System" had the top clamp on the guide frame tightened too much and made lowering the barrel after the cut was made very difficult As the catwalk and V-Door are small use only one cradle for lying down the inter core barrels Core barrel shipped to rig with loose connections on stabilisers 	<ol style="list-style-type: none"> Only need to send one cradle to rig in the future Ensure that this is included in future planning and that BHI is aware that service breaks are not to be made up (or broken) on critical path
Log	<ol style="list-style-type: none"> Size of the wind wall opening for the wire line to run though is insufficient No walkway between unit and catwalk area. This could also be used as a secondary means escape as now the only way away from the unit is down the stairs Crane driver needed to stay in crane to hold seismic guns for 10 hours. 	<ol style="list-style-type: none"> Looking at the possibility of enlarging opening Look at the possibility of making a walkway between unit and catwalk Examine option of welding a hook on the aft handrail to hang the guns on so the driver does not need to stay in the crane this will also free up the crane for use if needed
P&A	<ol style="list-style-type: none"> Difficulty experienced cutting/recovering 20"x 30" 	<ol style="list-style-type: none"> Better stabilisation may improve the likelihood of one-cut operation

7. Well Schematic

	OPERATOR: NEXUS ENERGY	FIELD / WELL: GARFISH-1	WELL SKETCH: AS ABANDONED
	DRILLING RIG: (RT 96.2' ABOVE ML) WEST TRITON (JACK UP)	COMPLETION RIG: (RT 96.2' ABOVE ML) WEST TRITON (JACK UP)	LEASE:

DIRECTIONAL DATA				
KOP:	NA	deg @	NA	MD
MAX DEV:	NA	deg @	NA	MD
DLEG SEV:	NA	deg @	NA	MD
DEV @ PERFS:	NA	deg @	NA	MD
RET to VERT:	NA	deg @	NA	MD

TUBULAR DATA								
Tubulars	OD	ID	Weight	Grade	Thread	TVD	MD	TOC
CONDUCTOR	30.000	-	310.00	X52	LYNX	127.8	127.8	ML
SURFACE	13.375	-	68.00	K-55/P110	BTC / VAM	746.5	746.5	ML
PRODUCTION								
PRODUCTION								
PROD TIEBACK								
PROD TIEBACK								
TUBING								
TUBING								
TUBING								

WELLHEAD DATA	
TYPE	FMC SST (5" x 2")
WP	10,000
T R C A P E E	FLANGE:
	THREAD:
TUBING HANGER:	
Upper Plug OD	
Lower Plug OD	
ELEVATIONS:	WTR DEPTH: 56.3
TRT-ASL: 39.9	OTHER:
RT-ML: 96.2	RT-ML: 96.2

EQUIPMENT DESCRIPTION					ID	OD	DEPTH TVD - BRT	DEPTH MD-BRT
SEA LEVEL							39.9	39.9
MUDLINE							96.2	96.2
Tested cement lines to 1000psi. Mixed and displaced a balanced cement plug using 49 bbl of class G cement at 15.9ppg - CEMENT PLUG #4 (116m) 120m TO 236m . Pressure tested to 30" CONDUCTOR SHOE							120	120
							128.0	128.0
Tested cement lines to 1000psi. Mixed and displaced a balanced cement plug using 55 bbl class G cement at 15.9ppg - CEMENT PLUG #3 (98m) 670m TO 768m (P/T TO 1200 PSI) . Pressure tested plug #3 to 1200psi.							670	670
13.375" CASING SHOE							746.5	746.5
Drill 8.5" hole to TD								
Tested cement lines to 1000psi. Mixed and displaced a balanced cement plug using 26 bbl class G cement at 15.8ppg - CEMENT PLUG #2 (90m) 2100m TO 2190m							2,100	2,100
Tested cement lines to 1000psi. Mixed and displaced a balanced cement plug using 32 bbl class G cement at 15.8ppg - CEMENT PLUG #1 (190m) 2190m TO 2308m .							2,190	2,190
8.5" TD							2,590.0	2,590.0
COMMENTS:					PLUG BACK DEPTH:			
					TOTAL WELL DEPTH:		2,590	
DRAWING NOT TO SCALE					PREPARED BY:		DATE:	
					M. Siegman		9/07/2008	
							Rev 0	

Seawater

Cement Plug #4

11.0 ppg KCl Polymer Mud

Cement Plug #3

11.0 ppg KCl Polymer Mud

Cement Plug #2

Cement Plug #1



8. ATTACHMENTS

- 8.1 Attachment 1: Well Montage**
- 8.2 Attachment 2: Bit and BHA Record**
- 8.3 Attachment 3: Mud Report**
- 8.4 Attachment 4: Casing Report**
- 8.5 Attachment 5: Cementing Report**
- 8.6 Attachment 6: LOT/FIT Report**
- 8.7 Attachment 7: Final Geodetic Survey**
- 8.8 Attachment 8: Activity Summary Reports**
- 8.9 Attachment 9: Garfish-1 Final Fix**

Garfish-1 Post Well Summary



PROJECT: Bass Strait Consortium
 WELL: Garfish-1
 CLASSIFICATION: Exploration Well
 RIG: West Triton

SURFACE LOCATION: Latitude 38° 6' 38.084" South
 Longitude 148° 15' 17.147" East
 UTM: GDA94 Zone 55
 5,781,172.45m N; 610,001.32m E

DATUM: ELEVATION ABOVE MSL (m): 39.85
 WATER DEPTH (m): 56.3
 WELL SLOT: 1

Rotary Table: 39.85
 License: VIC L29
 Basin: Gippsland
 State: Victoria
 Operator: Nexus

PREPARED BY: Matt Siegman
 APPROVED BY: Carl MacDonald
 LAST UPDATED: 10/07/2008

Australian Drilling Associates Pty Ltd



DIRECTIONAL PROFILE	PROGNOSSED FORMATION DEPTH			Casing Shoes	Hole Size / Casing Depth (mMDrt)	CASING				PORE PRESSURE GRADIENT (ppg)	FRACTURE GRADIENT (ppg)	BHST 0.04°C/m, 10°C at mudline (74m TVDrt)	MUD PROGRAM	CEMENTING PROGRAM				BITS AND BOTTOM HOLE ASSEMBLIES	FORMATION EVALUATION
	mTVDss	mTVDrt	mMDrt			SIZE	WEIGHT (ppf)	GRADE	CONNECT-ION					Additives	Density	TOC	Excess		
	56.3	96.25	96.25	36"	Normal 8.3ppg	17.4ppg	25°C	Seawater & Pre-Hydrated Bentonite MW = 8.50ppg Funnel Viscosity >100 sec 6rpm >40 pH = 9-10 Gel 10sec >15lb/100sqft Gel 10min >40lb/100sqft				Single Slurry Class G + 1% Calcium Chloride + NF-6 Seawater 15.8ppg mudline 94.25m MDrt 200%				Bit & Hole Opener 26" Tasmin Bit + 36" HO Bit Sub with Float Sub Power Pulse HF 3 x 9.5" Collar 9.5" Crossover 3x 8" Collar 8" Crossover 6 x 5.5" HWDP	NA		
	30"	1" wall	X52	LYNX				30"	1" wall	X52	LYNX	17.4ppg	25°C	Lead Slurry Class G Econolite Seawater 12.5ppg mudline 96.25m MDrt 10%				17.5" Motor BHA 17.5" Reed Bit Bit with Float Sub Power Pulse HF 9.5in Drill Collar 17.5in Stabilizer 9.5in Drill Collar 17.5in Stabilizer 9.5in Drill Collar Cross Over 8in Drill Collar Hydraulic Jar 8in Drill Collar Cross Over 15 x 5.5in HWDP 50 x 5-1/2 " 24.70 DPS, 10% Wear	
	1161	1201	1201	17.5"	Normal 8.3ppg	17.4ppg	50°C	Pre-Hydrated Bentonite MW =8.50ppg Funnel Viscosity 50-80 sec pH = 9.0				Tail Slurry Class G + CFR-3L + NF-6 + HR-6L Seawater 15.8ppg mudline 646.39m MDrt 10%				Wireline Logging Rotary BHA: 12.25in Bit Float Sub 3 x 8in Collar Hydraulic Jar 2 x 8in Collar 3 x 5.5in HWDP Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m	1. PEX-HRLA-BHC (746m-2590m MDRT) 2. FMI-DSI-XPT 3. MDT (Pressure & Sampling) (1994m-2525m MDRT) 4. VSP (96m - 2580m MDRT) 5. CST (2025m - 2580m MDRT) Cuttings Sampling: Every 10m above Latrobe Every 5m thereafter		
	1571	1611	1611	8.5"				Normal 8.3ppg	17.4ppg	76° at TD	KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m				8.5in Bit NB Stabilizer Pony DC String Stabilizer ARC-6 Polwer Pulse 6 x 6.5in Collar Cross Over 6 x 5 1/2" HWDP Cross Over Hydraulic Jars Cross Over 5 x 5 1/2" HWDP
	1877	2045	2045	Open Hole	Increasing through multiple Admirals Sands to 11ppg	17.4ppg	76° at TD				KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m				
2032	2071	2071	36"	Normal 8.3ppg	17.4ppg	76° at TD	KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m				8.5in Bit NB Stabilizer Pony DC String Stabilizer ARC-6 Polwer Pulse 6 x 6.5in Collar Cross Over 6 x 5 1/2" HWDP Cross Over Hydraulic Jars Cross Over 5 x 5 1/2" HWDP				
2061	2101	2101	36"				Increasing through multiple Admirals Sands to 11ppg	17.4ppg	76° at TD	KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m					
2180	2220	2220	36"	Normal 8.3ppg	17.4ppg	76° at TD	KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m				8.5in Bit NB Stabilizer Pony DC String Stabilizer ARC-6 Polwer Pulse 6 x 6.5in Collar Cross Over 6 x 5 1/2" HWDP Cross Over Hydraulic Jars Cross Over 5 x 5 1/2" HWDP				
2449	2489	2489	36"				Increasing through multiple Admirals Sands to 11ppg	17.4ppg	76° at TD	KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m					
2449	2489	2489	36"	Normal 8.3ppg	17.4ppg	76° at TD	KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m				8.5in Bit NB Stabilizer Pony DC String Stabilizer ARC-6 Polwer Pulse 6 x 6.5in Collar Cross Over 6 x 5 1/2" HWDP Cross Over Hydraulic Jars Cross Over 5 x 5 1/2" HWDP				
2630	2590	2590	36"				Increasing through multiple Admirals Sands to 11ppg	17.4ppg	76° at TD	KCl / Polymer MW = 9.4ppg 6rpm = 12 API Filtrate < 6ml/30min HTHP Filtrate = 12ml/30min @ 93deg C KCl = 8% by weight Excess PHPA >1.80ppb LGS < 4.7%.1% by vol ClaySeal = 2% by vol pH = 9.5 @ 25deg C Residual Sulphite > 100mg/L Ca<400mg/l				Cement PLUG #2 Class G + CFR-3L + NF-6 + SCR-100L Drill water 15.8ppg 2100-2190m Cement PLUG #1 Class G Drill water 15.8ppg 2190-2308m					
PRIMARY TARGET: 5,781,170.00m N; 610,005.00m E WELL PATH: Vertical OIL GRAVITY: 48 API SEISMIC LINE: INLINE 1500 KICK TOLERANCE OFFSET WELLS: Longtom-1 TARGET TOP: 2032m TVDss MAX ANGLE: 0.0° H ₂ S: Trace amounts 8.5": 13.1bbf" Longtom-2 SECONDARY TARGET: 5,781,170.00m N; 610,005.00m E CO ₂ : Trace amounts *Based on MW of 14.8ppg, and pore pressure of 8.4ppg Longtom-3 TD: 2180m TVD SS Sunfish-2 & Grayling-1A																			

DFE above MSL : 39.90m

Lat : 38 Deg 6 Min 38.084 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56m

Long : 148 Deg 15 Min 17.147 Sec

Spud Time: 13.30

Release Time: 09.00

Bit Record

Well: Garfish-1																											
Date In	Date Out	IADC	Bit#	Size (in)	Ser #	Mfr	Type	Jets	TFA	D.In (m)	D.Out (m)	Prog (m)	Hrs IADC	ROP (ft/hr)	SPP (psi)	Flow (gpm)	WOB (klb)	RPM	MW (ppg)	I	O1	D	L	B	G	O2	R
28 May 2008	28 May 2008	111	1	26.00	34406	REED	YC11	3 x 22 1 x 16	1.31	96.3	132.0	35.7	1.5	23.8	750	850	5.00	50	70.93	1	1	WT	A	2	I	RR	TD
29 May 2008	29 May 2008	115	2	22.00	MZ3173	Smith Bits	XR+ C	3 x 22 1 x 16	1.31	132.0	132.0	0	1		1000	800	10.00	70	70.93	0	0	NO	A	0	I	NO	BHA
30 May 2008	31 May 2008	115	3	17.50	MZ1061	Smith Bits	XR+C	3 x 22 1 x 18 4 x 18	1.362	132.0	755.0	623	19.5	31.95	1850	1000	15.00	150	70.93	2	2	WT	A	3	I	NO	TD
04 Jun 2008	05 Jun 2008	215	4	12.25	MX 8625	SMITH	SVHC	5 x 14 2 x 10	0.994	755.0	758.0	3	0						73.72	1	1	RR	A	E	I	RR	TD
05 Jun 2008	09 Jun 2008		5	8.50	117876	Reed Hycalog	RSX519M-A2		0.905	758.0	2450.0	1692	65	26.03	2800	800	33.00	145	48.41	3	7	RO	T	X	I	WT	CP
09 Jun 2008	11 Jun 2008	7	6	8.50	7210843	BHI (Hughes C	BHC409Z	3 x 14 3 x 15	0	2450.0	2470.0	20	16	1.25	1000	250	20.00	100	42.19	0	0	NO	A	X	I	RR	TD
11 Jun 2008	12 Jun 2008		7	8.50	215985	Reed Hycalog	RSX616M-D2		0.969	2470.0	2590.0	120	10	12	2350	800	20.00	140	39.80	8	7	RO	S	X	I	BT	PR



HALLIBURTON

Fluid Systems

BAROID FLUID SERVICES RECAP

**NEXUS ENERGY PTY LTD
WEST TRITON
BASS STRAIT, VICTORIA**

Garfish 1

T

Prepared by:

E Edwards
Waldhuter
B Auckram
J Munford

Date: June,

2008

Table of Contents

1. WELL SUMMARY
2. COST SUMMARY
3. PERFORMANCE SUMMARY
4. INTERVALS (36", 17 1/2" and 8 1/2" Hole)
5. Plug and Abandon
6. GRAPHS
 - Daily
 - Cost Vs Depth
 - Recap Mud Properties Vs Depth Set 1
 - Recap Mud Properties Vs Depth Set 2
 - Recap Mud Properties Vs Depth Set 3
7. POST WELL AUDIT
 - Well Summary
 - Total
 - Cost Breakdown
 - Net
 - Well Cost Breakdown
 - Interval
 - Summary
 - Interval
 - Cost Breakdown
 - Interval
 - Inventory Report
 - Fluid
 - Volume Record
 - Interval
 - Chemical Concentrations
 - Fluid
 - Property Recap
 - Fluid
 - Program Exceptions Report
 - Operations
 - Log Recap
 - Well
 - Deviation (Actual)
8. DAILY MUD REPORTS

1. WELL SUMMARY

1.1 Well Data

Well Name	:	Garfish 1
Operator	:	Nexus Energy Pty Ltd
Well Type	:	Vertical/Exploration
Bottom Hole Temperature	:	N/A
Maximum Inclination	:	N/A
Location	:	VIC/L29, Gippsland Basin, Victoria
Contractor/Rig	:	West Triton
Start Date (Rig)	:	25/05/2008
Baroid On Location	:	25/05/2008
Drill Out Date	:	27/05/2008
RT to Mudline	:	77.5 m
Total Depth	:	2590m
Date TD Reached	:	12/06/2008
Total Days Actual Drilling	:	6
Date Released	:	19/06/2008
Total Days on Well	:	25
Drilling Cuttings Volume	:	187m ³

Formation Tops

This well was Drilled “Tight Hole” – no formation data available.

Formation	MDRT (m)	TVDRT (m)	Length (m MD)
Total Depth			

1.3 Casing Program

30	Conductor	@	128 m MDRT
13 ³ / ₈	Intermediate Casing	@	746.5 m MDRT

1.4 Personnel

Drilling Supervisors	:	Bill Openshaw	Stefan Schmidt
	:		
Baroid Field Service Reps.	:	Eugene Edwards	Tim Waldhuter
		James Munford	Brian Auckram

2. COST SUMMARY

2.1 Drilling Fluid Costs

	Drilling Fluid	Hole Size	MD From	MD To	Cost USD \$
1.	Seawater and Viscous Sweeps	36"	96.2m (36")	132m (36")	
	Pad Mud / Displacement Mud	x 17.5"	128m (17.5")	755 m (17.5")	16,152.66
3.	KCL/POLYMER	8.5"	755 m	2590 m	153,742.35
Mud Materials Used For Drilling				USD \$	169,895.01
Mud Materials Used For Cementing				USD \$	386.96
Mud Materials Used For Completion				USD \$	0
Other Materials Used (Cleaning Pits & Rig Cleaning)				USD \$	0
Products Lost / Damaged				USD \$	0
Solids Control / Waste Management Cost				USD \$	0
Total Materials				Total USD \$	170,281.97

2.2 Engineering Costs

Service Representatives	From (date)	To (date)	Days
James Munford	26/05/08	28/05/08	3
Edwards Eugene	26/05/08	04/06/08	10
Tim Waldhuter	29/05/08	11/06/08	14
Brian Auckram	05/06/08	17/06/08	13
James Munford	12/06/08	18/06/08	7
Total Days:			47
Service Cost	@ USD \$ 1250	USD \$	58,750
Total Cost of Materials & Engineering:		USD \$	229,031.97

3. PERFORMANCE SUMMARY

3.1 Comments

The Jack-up West Triton was moved from the Wardie-1 location to the Garfish-1 location on the 25th May 2008.

3.2 Performance Indicators

Interval 1. (96.25m–755 m) – 36”x 17.5” Interval	Program	Actual	Achieved (+/- 10 %)
• Drilled, m	694	659	Yes
• Volume Built, bbl	4679	3195	No
• Dilution Rate, bbl/m	NA	NA	NA
• Consumption Rate, bbl/m	6.74	4.85	No
• Mud Cost / bbl, US\$	6.19	5.06	No
• Mud Cost / m, US\$	41.72	24.5	No
• Interval Mud Cost, US\$	28,956	16,152.66	No
Interval 2. (755m – 2,590m) – 8.5 ” Interval	Program	Actual	Achieved (+/- 10 %)
• Drilled, m	1773	1835	Yes
• Volume Built, bbl	4487	2255	Yes
• Dilution Rate, bbl/m	1.75	1.01	No
• Consumption Rate, bbl/m	5.98	1.23	No
• Mud Cost / bbl, US\$	56.47	68.18	No
• Mud Cost / m, US\$	337.81	83.78	No
• Interval Mud Cost, US\$	253,359	153,742.35	No

3.3 Explanation of Non-Conformance

Interval 1: 36” and 17.5”

The volume of Pre-Hydrated Bentonite (PHB) mud built for sweeps and the cost was lower than programmed. This was due to 480 bbls of old KCL mud from Wardie 1, being used as displacement fluid. The depth of hole drilled was 35m shallower. The PHB was mixed at 30-40ppb and cut back with 30-50% sea water and 0.3ppb lime to maintain programmed viscosity.

Drilling the 17.5” section, seawater was used with 30 bbls of flocculated PHB high viscosity sweeps pumped on every 15m drilled and 30 bbls of PHB spotted on bottom on connections. At TD 755m at 150 bbls PHB sweep was pumped and the hole circulated clean with seawater. The well was then displaced to PHB mud to provide suspension properties and a wiper trip was conducted. When back on bottom from the wiper trip a further 150 bbls PHB sweep was pumped and then the well was displaced to inhibitive 5% KCl/PHB mud for tripping out of the hole and running 13 3/8” casing. All mud returns to sea floor.

Interval 2: 8.5”

A 12 1/4" BHA was made up and RIH to Drill the cement and shoe track. The well was displaced to KCl/Polymer mud and a LOT conducted to an EMW of 17.4 ppg. An 8 1/2" BHA was made up and RIH, 10ppb of Calcium Carbonate was added prior to the top of the Chimaera Formation. The mud system was weighted to 11.0ppg with Barite at 2100m and additions of Circal 60/16 and at 2450m and at 2450m the bit was POOH for a coring run. A core was cut from 2450m to 2470m. Drilling 8 1/2" hole then continued from 2470m to 2590m.

Wireline logs were then run, prior to running in a cement stinger to set the 1st plug @ 2308m, 2nd cement plug @ 2189m, 3rd @765m, 4th from 236m to surface, before cutting the casing and moving to the next location.

4. INTERVAL - 1

4.1 SUMMARY

36” Hole From 96m To 132 m In 1 Day

Drilling Fluid Seawater and Viscous Sweeps, Spud Mud
Formations Gippsland.

Garfish 1 was spudded at 18:30 on 28/5/2008.

The 36” interval was drilled riser-less, using seawater and unweighted hi-vis flocculated spud mud sweeps from 96.25 m to 132 m. The spud mud used for sweeps was built from pre-hydrated bentonite at 40 ppb, cut back with seawater once hydrated and flocculated by the addition of lime prior to pumping. 50 bbl sweeps were pumped at each stand to clean the hole.

After drilling to 132m, a 150bbl flocculated PHB sweep was pumped to clean the hole and the open hole was displaced with 480 bbls of old KCL /Polymer mud from the previous well.

The 30” conductor was run to 128m. It was then cemented as per program.

Properties	Programmed		Actual (Typical Drilling)		Conformance
	Min	Max	Min	Max	
Mud Weight, sg	ALAP	ALAP	8.5	8.5	Yes
6 rpm, lb/100 ft ²	>40		47	52	Yes
YP, lbs/100ft ²			68	70	
Viscosity, sec/qt	>100		183	200	Yes
pH	9	10	9	9	Yes
Plastic Viscosity, cp			20	20	

Maintenance

- The bentonite used was first prehydrated in drill water at a concentration of 35-40 ppb. This was then cut back to 20-30 ppb using seawater. Lime was added prior to use to enhance viscosity. Caustic soda was used to obtain required alkalinity.
- Sea water was used from Pit # 6 for drilling. The hi-vis sweeps were contained in pits 4, 5, and 8.

17.5" Hole From 132 m To 755 m In 2 Days

Drilling Fluid Flocculated Seawater/Bentonite
Formations Gippsland Limestone/Lakes Entrance

The 17.5" section was drilled using flocculated seawater / pre-hydrated bentonite fluid. Pre-hydrated Bentonite at 30-40ppb was prepared and pre-hydrated. The PHB was then cut back with seawater to approximately 15-20ppb, to achieve required viscosity.

The sweep regime used was 1 x 50bbl sweep, timed to be approximately on bottom during the connection.

Approximately 500 bbl of 8.7 ppg inhibited, 5%KCl / PHB mud, was spotted on bottom, prior to pulling out of the hole to run casing.

The 13 3/8" casing was run and cemented with no problems.

Drilling Mud Properties

Properties	Programmed		Actual		Conformance
	Min	Max	Min	Max	
Mud Weight, ppg	ALAP	<9.5	8.5	8.6	Yes
Viscosity, sec/qt	50	65	50	183	No
pH	8	9.5	9	9	Yes

Explanation of Non-Conformance

- The Funnel Viscosity quoted is for the unflocculated PHG.

Maintenance

- The fluid for this interval consisted of prehydrated gel built at 35-40 ppb and blended with seawater once hydrated at approximately 2:1, depending on the funnel viscosity at the time of mixing dilution volume.

INTERVAL - 2

4.3 SUMMARY

8.5" Hole From 755m To 2590m In 4 Days

Drilling Fluid KCL/Polymer/Clayseal
Formations -

A 12 1/4" BHA was made up and RIH to Drill the cement and shoe track.
The well was displaced to KCl/Polymer mud and a LOT conducted to an EMW of 17.4 ppg.

An 8 1/2" BHA was made up and RIH.
The mud suffered from some cement contamination and the active was treated with Citric Acid to lower pH and additional Barazan was added to restore low end rheology.
EZ Mud (liquid) was added steadily to increase PHPA concentration and provide encapsulation.
Unweighted KCl/Polymer/Clayseal premix was added to the active, as required to maintain volume and dilution. The Sand Traps were also dumped regularly to prevent solids build up and the shaker screens were changed to finer screens, as soon as possible, to aid in solids control.
The 8 1/2" hole was drilled with surveys every 3 stands and no mud or hole problems.
10ppb of Calcium Carbonate was added to the active prior to the top of the Chimaera Formation and additional Calcium Carbonate was also added via premix to maintain active concentration.

The Total Hardness of the active mud was treated by addition of Soda Ash directly to the active system.

From 1365m to 2077m the frequencies of surveys were reduced to one every 5 stands and drilling remained uneventful.

At 2077m an increased flow was observed and flow checked, however the well was found to be static and drilling continued.

The mud system was weighted to 11.0ppg with Barite at 2100m and additions of Circal 60/16 and Y to maintain concentrations respectively. Pac-L and Dextrid LTE were also added to active to maintain fluid loss within specifications.

At 2450m the bit was POOH for a coring run and cut core from 2450m to 2470m.

The 8.5" BHA was then made up and drilling 8 1/2" hole continued from 2470m to 2590m.

Wire line logs were then run before running in a cement stinger to Set 1st plug @ 2308m, 2nd cement plug @ 2189m, third cement plug #3 @765m 4th cement plug from 236m to surface, before cutting the casing and moving to the next location.

Drilling Mud Properties

Properties	Programmed		Actual (Typical Drilling)		Conformance
	Min	Max	Min	Max	
Mud Weight, ppg	9.5	11	9.5	11.1	Yes
PV, cp	ALAP		10	20	Yes
YP, lbs/100 ft ²	20	30	23	35	Partial
6 rpm, lbs/100 ft ²	12	16	10	15	Partial
pH	8.5	9.5	8.5	9.5	Yes
KCL, wt%	6	8	7.5	9	Yes
API WL, mL/30 min		6	5.3	6	Yes
LGS, % vol		10	0	9	Yes

Explanation of Non-Conformance

- The initial 6 rpm was less than programmed. Due to the low concentration of polymers added, to the initial mud built to ensure a smooth displacement. Additional PHPA and Barazan D plus, were added to bring the mud into specification, once it was sheared.

Maintenance

- The initial 6rpm readings were below the programmed 10 -15. The new mud was built between 0.8 and 1ppb, to enable circulation over the shakers while un-sheared. The 6rpm was raised by gradual additions to 13-14 lbs/100 ft² with 0.5ppb Barazan D plus and 0.75 ppb EZ-Mud. The shaker screens size at displacement were 89 mesh screens. After mud sheared the screens were replaced with used 255 mesh screens.
- The potassium concentration depletion was only 1% from the initial 9% mixed and the new premixes were built with higher concentration of KCl to maintain 8%.
- The initial mud made, did not include the 10ppb calcium carbonate, which was required to be added prior to drilling the Chimaera Formation. At 100m above the Chimaera Formation the 10 ppb of calcium carbonate was added.
- The inhibition provided by 8% KCL and 2% clayseal was sufficient to prevent any obvious signs of bit balling and the cuttings over the shakers were soft but not sticky and able to be removed by the shakers.
- Ran wire line logs with no hole difficulties.
- P & A well.

Solids Control Equipment

- The 4 VSM 300 shakers were dressed with 89 mesh screens, for the initial displacement of un-sheared KCL /Polymer mud. Circulating rates were +/- 1000gpm and the screens were replaced with 255 mesh as soon as possible.
- It was possible to handle the flow and cuttings on 3 shakers while drilling the 8 ½" hole with an ROP of 30m/h or less and a flow of 1600gpm. This allowed shakers to be regularly alternated for servicing.
- The scalper screens initially installed on the shakers were 20 mesh. During the drilling of the interval, with the addition of premix for volume and PHPA / Barazan D additions to the active, the mud was covering 60% of the four shakers scalper screens.
- No centrifuges were run prior to the first core point and as a result the Drilled Solids which passed the shakers had to be controlled with dilution.

4.4 EVALUATION

Comments

Problems, Causes, Remedial Action Taken or Recommended

Solids Control and Mud Mixing Equipment

- | | | |
|----|---------|---|
| 1) | Problem | Mud traveling too far up scalper screens. Reduces time on lower shaker screens. |
| | Cause | Scalpers too fine. |
| | Action | Use coarsest screens |

4.4 RECOMMENDATIONS FOR IMPROVEMENT

Drilling Fluid

- 69 bbls of mud lost over shakers when emptying trip tank and filling string due to shakers not running. More vigilance needed.
- The KCI Polymer mud performed well in this vertical well. Vertical wells of similar depth and through similar lithology should be able to use this mud system cost effectively.

Solids Control and Mud Mixing Equipment

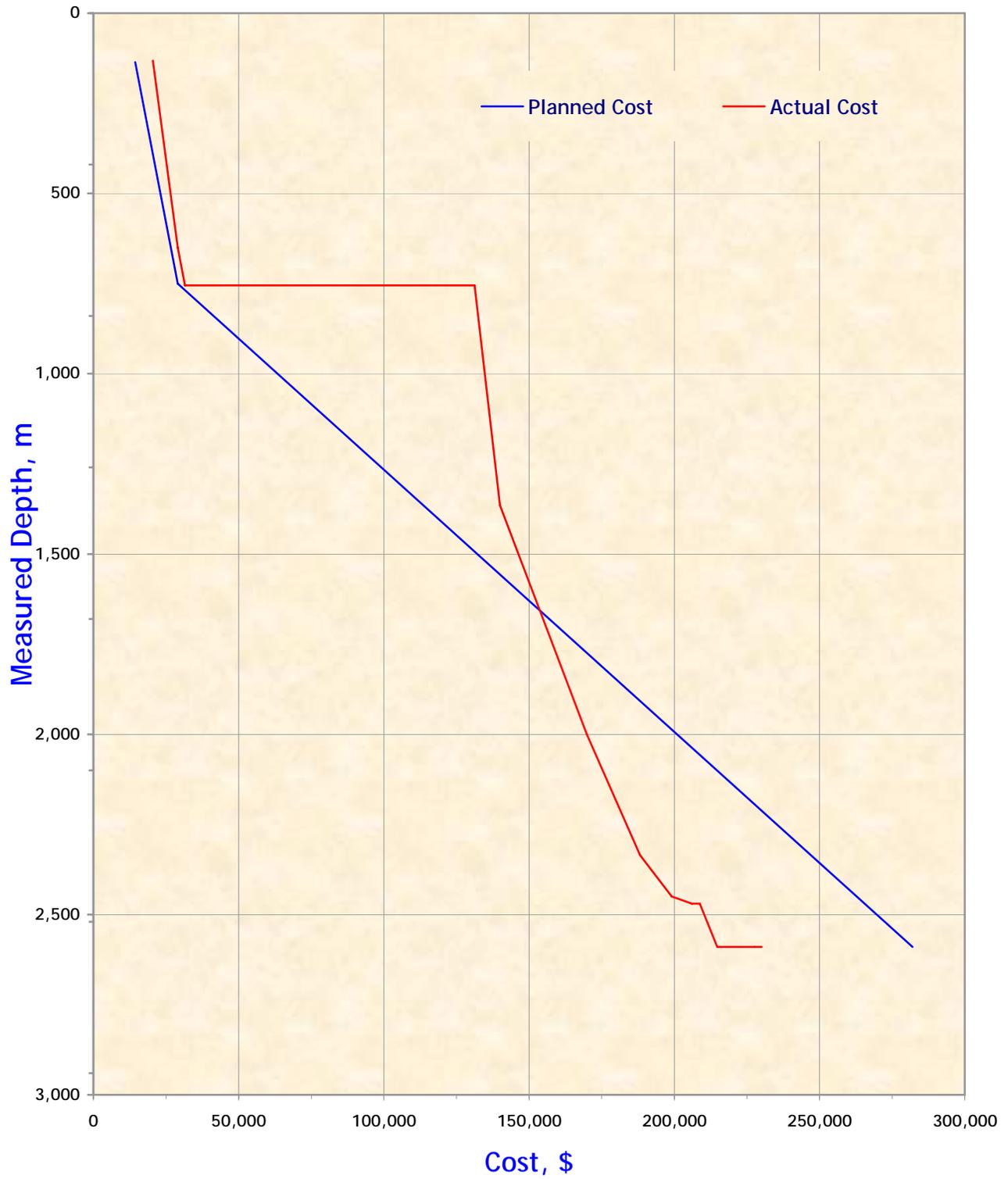
- The coarsest scalper screens (10 or 20 mesh) should always be run. This ensures the mud passes through straight away, onto the shaker screen below and is able to travel along the entire length of the bottom screens.
If fine scalper screens are run at high rates, the mud falls through the scalper half way up the screen and thus has less time on the lower shaker screens, which can overload the shakers.

4.5 Plug and Abandon

The well was plugged and abandoned. Cement plugs were set at 2308, 2189, 908 and at 236 meters. The well was displaced from 236 meters to sea water. The riser was pulled and an attempt to retrieve the 20" and 36" casing made.

GRAPHS

Cost vs Depth

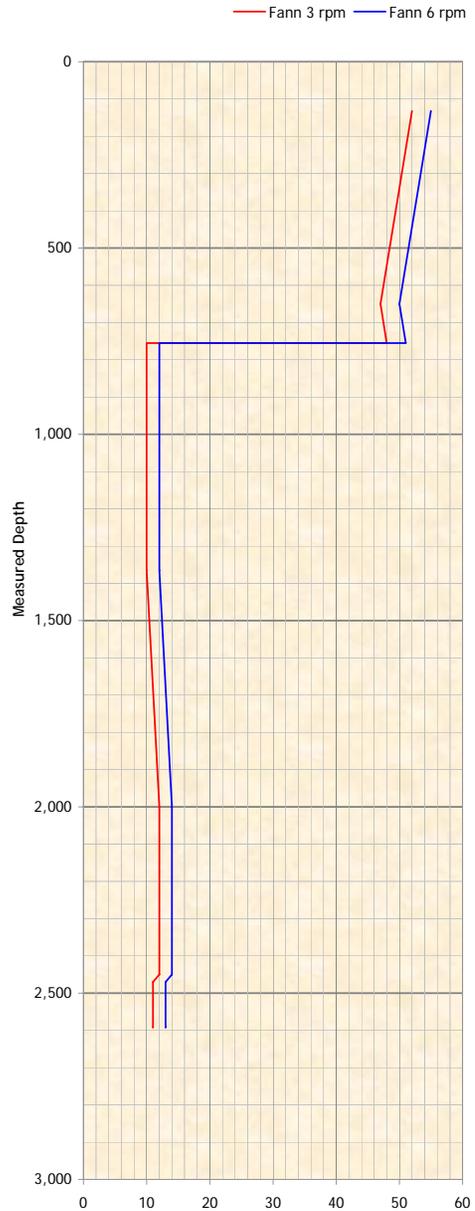


NEXUS ENERGY

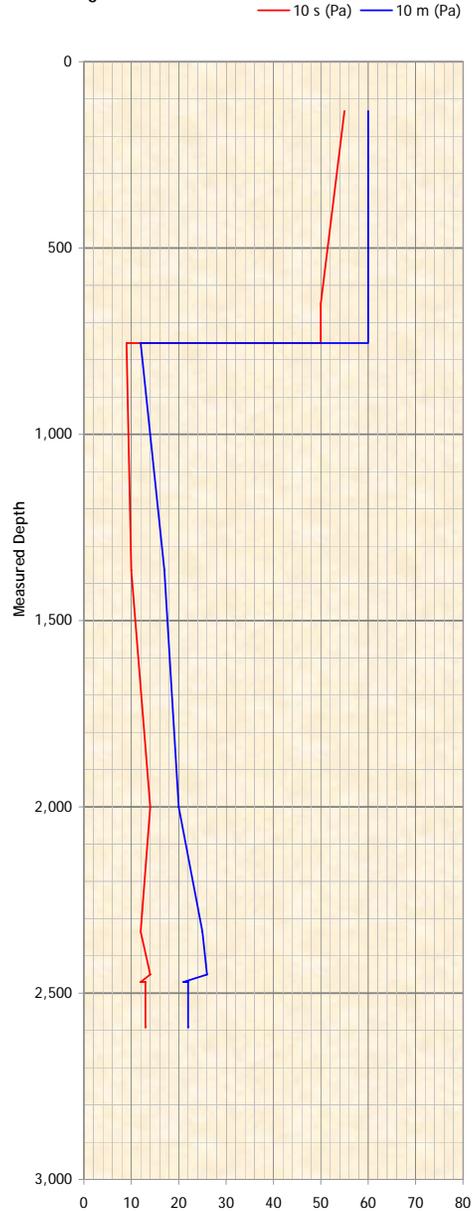
Garfish - 1

38o 6' 38.161"S Lat X 148o 15' 17.298"E Long

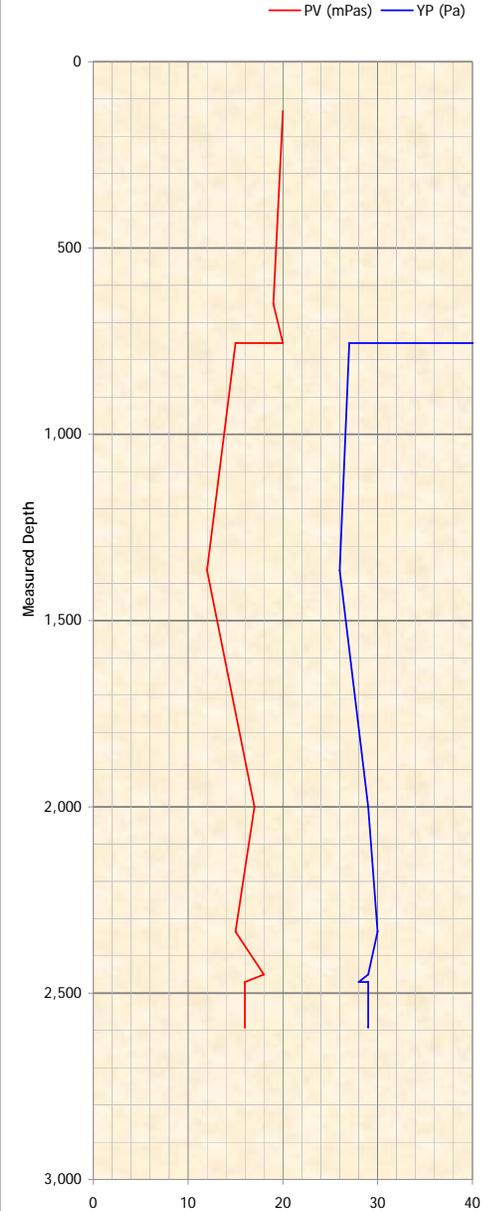
Fann 3/6 rpm



Gel Strengths



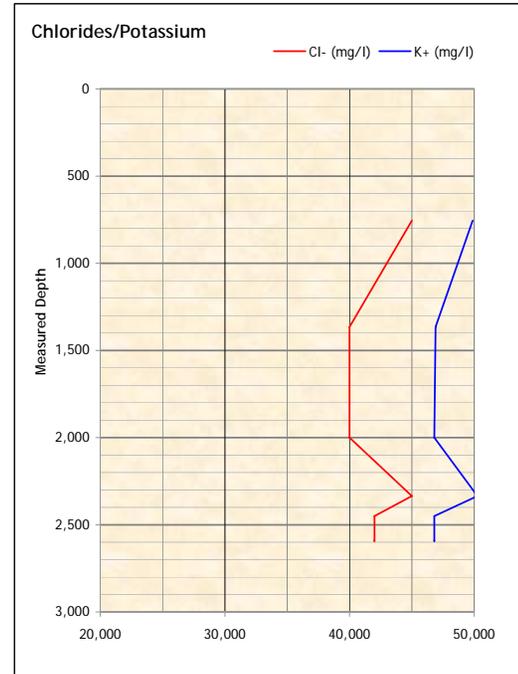
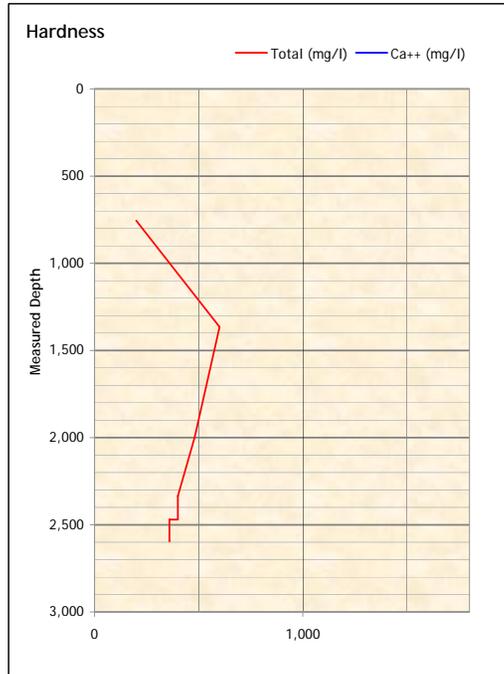
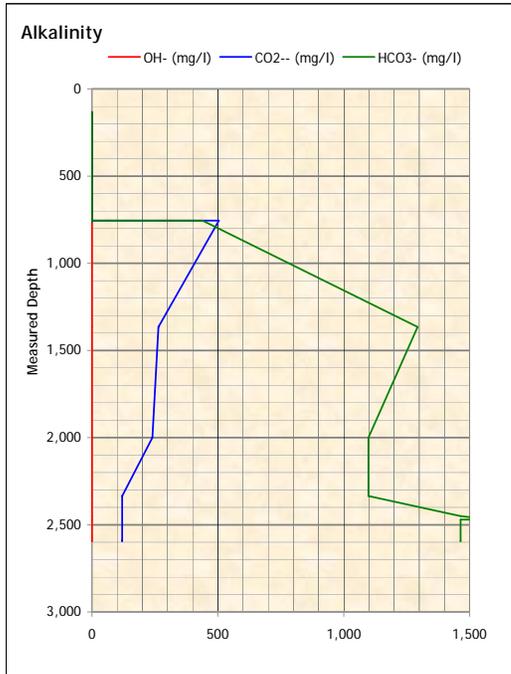
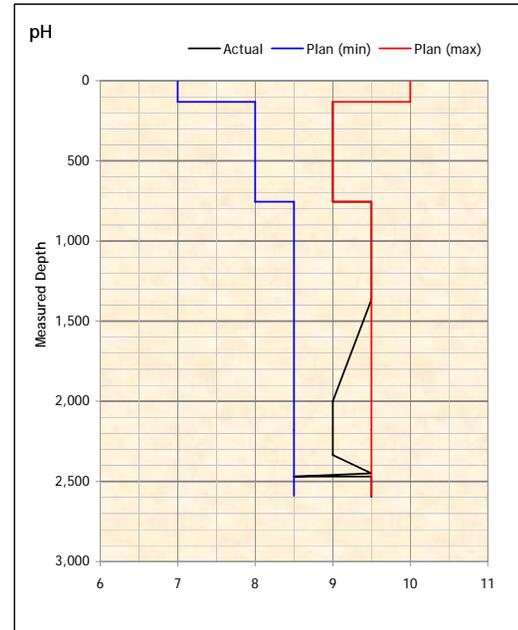
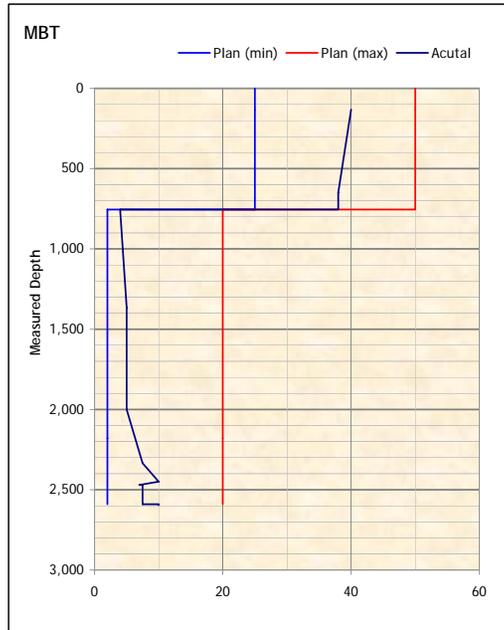
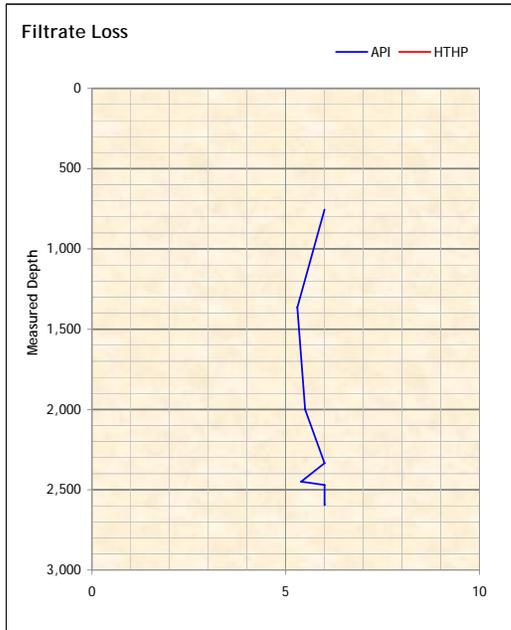
PV / YP



NEXUS ENERGY

Garfish - 1

38o 6' 38.161" S Lat X 148o 15' 17.298" E Long



POSTWELL AUDIT

Well Name Garfish -1
 Operator NEXUS ENERGY
 Contractor Seadrill
 Rig No West Triton
 Unit System Nexus Energy

Well Summary Report

Well Data

Spud Date	05/27/2008	Fluids/Products: Drilling Cost	\$	169,895.01
TD Date	05/27/2008	Fluids/Products: Completion Cost	\$	0.00
Project		Solids Control/Waste Management Cost	\$	0.00
Days on Well	26	Fluids/Products: Cementing Cost	\$	386.96
From Date	05/25/2008	Prod Lost/Damaged Cost	\$	0.00
To Date	06/19/2008	Engineer Services Cost	\$	58,750.00
Drilling Days	10	Equipment Cost	\$	0.00
Rotating / Drilling Hours	126.5/122.5	Transport/Packaging	\$	0.00
Average ROP	m/hr 20.4	Other Cost	\$	0.00
Maximum Density	ppg 11.10	Total Well Cost	\$	229,031.97
Total Measured Depth	m 2,590	Planned Cost	\$	0.00
True Vertical Depth	m 2,590	Fluid Cost Per Fluid Volume	\$/bbl	18.87
Distance Drilled	m 2,494	Fluid Cost Per Length Drilled	\$/m	68.12
Maximum Deviation	deg 1.64	Fluid Cost/Vol of Hole Drilled	\$/bbl	152.44
Max. Horz. Displacement	m 1	Total Additions/Hole Drilled	bbl/bbl	8.078
Bottom Hole Temp		Total Additions/Length Drilled	bbl/m	3.610

Casing Design

Description	Set Date & Time	Top MD m	Top TVD m	End MD m	End TVD m	CSG OD in	CSG ID in	Max. Hole Size in	Hole MD m	Hole TVD m
30 X-52 309.7	05/29/2008 23:59	57	57	128	128	30.000	28.000	36.000	132	132
13.375 K-55 68.0	06/01/2008 20:00	93	93	746	746	13.375	12.415	17.500	755	755

Fluid Program

Int #	Fluid Type	Interval Days	BHT Deg C	Max. Dens ppg	Whole fluid + Mix products	Other material charges	Other charges	Total Interval Cost \$		
								Plan	Actual	Variance
1	PHG Mud	11		9.50	16,143.29	386.96	25,000.00		41,530.25	
	Potassium Chloride brine									
	Seawater									
2	KCl/Polymer	15		11.10	153,751.71		33,750.00		187,501.71	
	Potassium Chloride brine									
	Seawater									
Total Well Cost \$					169,895.01	386.96	58,750.00		229,031.97	229,031.97

Total Cost Breakdown

	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	24.00	30,000.00
Drilling Fluids Engineer 2	day(s)	23.00	28,750.00
		SubTotal	\$ 58,750.00
Fluids/Products: Cementing Cost			
calcium chloride flake 77%	25 kg bag	28.00	386.96
		SubTotal	\$ 386.96
Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	16.00	1,118.40
BARAZAN D PLUS	25 kg bag	109.00	16,594.16
barite	1000 kg bulk	87.020	41,324.06
bentonite	1000 kg bulk	32.000	15,836.16
calcium chloride flake 77%	25 kg bag	2.00	27.64
caustic soda	25 kg pail	18.00	795.42
Circal 60/16	25 kg sack	191.00	1,934.83
Circal Y	25 kg sack	191.00	2,444.80
citric acid	25 kg bag	16.00	739.84
CLAYSEAL PLUS	216 kg drum	43.00	41,135.52
DEXTRID LTE	25 kg sack	127.00	5,151.12
EZ-MUD	25 kg pail	115.00	9,870.45
KCL Tech Grade (bulk)	1000 kg bulk	27.000	20,277.00
lime	25 kg bag	8.00	52.40
PAC-L	25 kg bag	73.00	5,976.51
potassium chloride	1000 kg bag	10.00	6,010.00
soda ash	25 kg bag	42.00	556.50
sodium bicarbonate	25 kg bag	4.00	50.20
		SubTotal	\$ 169,895.01
		Total Well Cost:	\$ 229,031.97

Net Well Cost Breakdown

Cost Breakdown I \$	Interval 01	Interval 02	Total
Fluid/Product: Drilling	103,309.91	66,585.10	169,895.01
Fluid/Product: Comp/Filtration			
Solids Control/Waste Management Cost			
Fluids/Products: Cementing Cost	386.96		386.96
Engineering Services	25,000.00	33,750.00	58,750.00
Fluid/Product: Lost Damage			
Other Cost			
Equipment Cost			
Transport/Packaging Cost			
Total Cost	128,696.87	100,335.10	229,031.97

Cost Breakdown II \$	Interval 01	Interval 02	Total
Total Products Cost	103,696.87	66,585.10	170,281.97
Total Fluids Cost			
Total Charges Cost	25,000.00	33,750.00	58,750.00
Allocated To / From Other Interval			
Total Cost	128,696.87	100,335.10	229,031.97
Planned Cost			
Variance			

Volume Breakdown bbl	Interval 01	Interval 02	Total
Total Base Fluids Addition			
Total Chemical Addition	273.5	87.5	361.0
Total Barite Addition	35.7	94.8	130.4
Total Water Addition	5,897.5	1,264.7	7,162.2
Total Fluid Built	6,206.6	1,447.0	7,653.6
Total Fluid Received	1,349.0		1,349.0
Total Influx Addition			
Not Used In Interval	-2,757.7		
Total Fluid Volume	4,797.9	4,571.7	9,002.6

Australia

VIC P29
Victoria

Baroid Fluid Services

Interval Summary

Interval #	1	Max Bit Size: 17.500 in	Hole Size Avg/Max	18.151 / 17.500 in
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Interval Start Date	05/25/2008	Planned Cost	\$	0.00
Interval End Date	06/04/2008	Total Interval Cost	\$	41,530.25
Interval TD Date	05/31/2008	Program Variance	\$	41,530.25
Drilling Days	3.00	Other material charges	\$	386.96
Rotating/Hours	21.00 / 21.00	Total Fluids Cost	\$	16,143.29
Interval Top MD/TVD	m 96.0 / 96.0	Total Charges Cost	\$	25,000.00
Interval End MD/TVD	m 755.0 / 755.0	Total Cementing Cost	\$	386.96
Footage	m 659.0	Fluid Cost Per Vol Unit	\$/bbl	3.36
Average ROP	m/hr 31.4	Fluid Cost/Hole Drilled	\$/m	24.50
Max Hole Angle	degrees 0.26	Fluid Cost/Vol Drilled	\$/bbl	23.33
Casing Size	in 13.375	Fluid Built	bbl	6,206.6
Casing Shoe MD	m 746.5	Total Additions/Vol Drilled	bbl/bbl	6.93
Casing Length	m 689.5	Total Additions/Hole Drilled	bbl/m	7.28
Bottom Hole Temp		Fluid Loss/Vol Drilled	bbl/bbl	5.19
Max Fluid Density	ppg 9.50	Fluid Loss/Hole Drilled	bbl/m	5.45

Interval Product and Base Fluids Usage and Cost

Product Function / Name	Drilling Fluid	Packaging	Quantity Used	Product Cost
Viscosifier/Suspension Agent				
bentonite	AQUAGEL Mud	1000 kg bulk	32.000	15,836.16
			Total	\$ 15,836.16
Alkalinity Control				
caustic soda	AQUAGEL Mud	25 kg pail	4.000	176.76
lime	AQUAGEL Mud	25 kg bag	7.000	45.85
soda ash	AQUAGEL Mud	25 kg bag	5.000	66.25
			Total	\$ 288.86
Weighting Material				
calcium chloride flake 77%	No Fluid	25 kg bag	28.000	386.96
calcium chloride flake 77%	Potassium Chloride brine	25 kg bag	2.000	27.64
			Total	\$ 414.60

Interval Summary

Interval #	2	Max Bit Size: 17.500 in	Hole Size Avg/Max	8.500 / 17.500 in
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Interval Start Date	06/05/2008	Planned Cost	\$	0.00
Interval End Date	06/19/2008	Total Interval Cost	\$	187,501.71
Interval TD Date	06/12/2008	Program Variance	\$	187,501.71
Drilling Days	7.00	Other material charges		
Rotating/Hours	105.50 / 83.50	Total Fluids Cost	\$	153,751.71
Interval Top MD/TVD	m 755.0 / 755.0	Total Charges Cost	\$	33,750.00
Interval End MD/TVD	m 2,590.0 / 2,589.6	Total Cementing Cost	\$	0.00
Footage	m 1,835.0	Fluid Cost Per Vol Unit	\$/bbl	33.63
Average ROP	m/hr 18.1	Fluid Cost/Hole Drilled	\$/m	83.79
Max Hole Angle	degrees 1.64	Fluid Cost/Vol Drilled	\$/bbl	363.87
Casing Size	in 13.375	Fluid Built	bbl	1,447.0
Casing Shoe MD	m 746.5	Total Additions/Vol Drilled	bbl/bbl	10.82
Casing Length	m 689.5	Total Additions/Hole Drilled	bbl/m	2.49
Bottom Hole Temp		Fluid Loss/Vol Drilled	bbl/bbl	6.17
Max Fluid Density	ppg 11.10	Fluid Loss/Hole Drilled	bbl/m	1.42

Interval Product and Base Fluids Usage and Cost

Product Function / Name	Drilling Fluid	Packaging	Quantity Used	Product Cost
Bactericides				
ALDACIDE G	KCl/Polymer	5 gal can	16.000	1,118.40
			Total	\$ 1,118.40
Weighting Material				
barite	KCl/Polymer	1000 kg bulk	87.020	41,324.06
			Total	\$ 41,324.06
Viscosifier/Suspension Agent				
BARAZAN D PLUS	KCl/Polymer	25 kg bag	109.000	16,594.16
			Total	\$ 16,594.16
Alkalinity Control				
caustic soda	KCl/Polymer	25 kg pail	14.000	618.66
citric acid	KCl/Polymer	25 kg bag	16.000	739.84
lime	KCl/Polymer	25 kg bag	1.000	6.55
soda ash	KCl/Polymer	25 kg bag	37.000	490.25
sodium bicarbonate	KCl/Polymer	25 kg bag	4.000	50.20
			Total	\$ 1,905.50
Shale Control				
EZ-MUD	KCl/Polymer	25 kg pail	115.000	9,870.45
potassium chloride	KCl/Polymer		10.000	6,010.00
KCL Tech Grade (bulk)	KCl/Polymer	1000 kg bulk	27.000	20,277.00
CLAYSEAL PLUS	KCl/Polymer	216 kg drum	43.000	41,135.52
			Total	\$ 77,292.97
Lost Circulation/Bridging Agent				
Circal Y	KCl/Polymer	25 kg sack	191.000	2,444.80
Circal 60/16	KCl/Polymer	25 kg sack	191.000	1,934.83
			Total	\$ 4,379.63
Filtration Control				
DEXTRID LTE	KCl/Polymer	25 kg sack	127.000	5,151.12

Well Name
Operator
Contractor
Rig No
Unit System

Garfish -1
NEXUS ENERGY
Seadrill
West Triton
Nexus Energy

Interval Summary

PAC-L	KCl/Polymer	25 kg bag	73.000	5,976.51
			Total	\$ 11,127.63

Well Name Garfish -1
 Operator NEXUS ENERGY
 Contractor Seadrill
 Rig No West Triton
 Unit System Nexus Energy

Interval Cost Breakdown

Interval # 01	From Date	05/25/2008	Top of Interval	96.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Date	06/04/2008	Bottom of Interval	755.0 m

Material	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	10.00	12500.00
Drilling Fluids Engineer 2	day(s)	10.00	12500.00
SubTotal			\$ 25,000.00

Fluids/Products: Cementing Cost			
calcium chloride flake 77%	25 kg bag	28.00	386.96
SubTotal			\$ 386.96

Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	5.00	349.50
BARAZAN D PLUS	25 kg bag	65.00	9895.60
barite	1000 kg bulk	23.790	11297.40
bentonite	1000 kg bulk	32.000	15836.16
calcium chloride flake 77%	25 kg bag	2.00	27.64
caustic soda	25 kg pail	14.00	618.66
CLAYSEAL PLUS	216 kg drum	35.00	33482.40
DEXTRID LTE	25 kg sack	90.00	3650.40
EZ-MUD	25 kg pail	30.00	2574.90
KCL Tech Grade (bulk)	1000 kg bulk	21.000	15771.00
lime	25 kg bag	7.00	45.85
PAC-L	25 kg bag	45.00	3684.15
potassium chloride	1000 kg bag	10.00	6010.00
soda ash	25 kg bag	5.00	66.25
SubTotal			\$ 103,309.91
Interval Total Cost			\$ 128,696.87

Charged To/From Other Interval	\$	-87,166.61
Net Description Total Cost	\$	41,530.25
Programmed Cost	\$	0.00
Program Variance	\$	41,530.25

Well Name Garfish -1
 Operator NEXUS ENERGY
 Contractor Seadrill
 Rig No West Triton
 Unit System Nexus Energy

Interval Cost Breakdown

Interval # 02	From Date	06/05/2008	Top of Interval	755.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Date	06/19/2008	Bottom of Interval	2,590.0 m

Material	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	14.00	17500.00
Drilling Fluids Engineer 2	day(s)	13.00	16250.00
SubTotal			\$ 33,750.00

Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	11.00	768.90
BARAZAN D PLUS	25 kg bag	44.00	6698.56
barite	1000 kg bulk	63.230	30026.66
caustic soda	25 kg pail	4.00	176.76
Circal 60/16	25 kg sack	191.00	1934.83
Circal Y	25 kg sack	191.00	2444.80
citric acid	25 kg bag	16.00	739.84
CLAYSEAL PLUS	216 kg drum	8.00	7653.12
DEXTRID LTE	25 kg sack	37.00	1500.72
EZ-MUD	25 kg pail	85.00	7295.55
KCL Tech Grade (bulk)	1000 kg bulk	6.000	4506.00
lime	25 kg bag	1.00	6.55
PAC-L	25 kg bag	28.00	2292.36
soda ash	25 kg bag	37.00	490.25
sodium bicarbonate	25 kg bag	4.00	50.20
SubTotal			\$ 66,585.10
Interval Total Cost			\$ 100,335.10
Charged To/From Other Interval			\$ 87,166.61
Net Description Total Cost			\$ 187,501.71
Programmed Cost			\$ 0.00
Program Variance			\$ 187,501.71

Interval Chemical Concentration

Max Hole Size / Bit Size	17.500 / 17.500 in	From Report Date	05/25/2008	Top of Interval	96.0 m
		To Report Date	06/04/2008	Bottom of Interval	755.0 m

Fluid Name: PHG Mud			
Material	Average ppb	Minimum ppb	Maximum ppb
bentonite	23.28	19.82	30.27
calcium chloride flake 77%	0.01	0.01	0.01
caustic soda	0.08	0.06	0.13
lime	0.11	0.06	0.16
soda ash	0.08	0.06	0.11

Fluid Name: KCl/Polymer			
Material	Average ppb	Minimum ppb	Maximum ppb
ALDACIDE G	0.09	0.09	0.10
BARAZAN D PLUS	1.47	1.45	1.54
barite	21.23	21.23	21.23
calcium chloride flake 77%	0.03	0.02	0.04
caustic soda	0.23	0.22	0.24
CLAYSEAL PLUS	6.85	6.75	7.18
DEXTRID LTE	2.04	2.01	2.14
EZ-MUD	0.68	0.67	0.71
KCL Tech Grade (bulk)	18.80	18.74	18.99
PAC-L	1.02	1.00	1.07
potassium chloride	7.48	3.17	8.92

Fluid Name: Potassium Chloride brine			
Material	Average ppb	Minimum ppb	Maximum ppb

Interval Chemical Concentration

Interval # 02	From Report Date 06/05/2008	Top of Interval 755.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Report Date 06/19/2008	Bottom of Interval 2,590.0 m

Fluid Name: KCl/Polymer			
Material	Average ppb	Minimum ppb	Maximum ppb
ALDACIDE G	0.23	0.09	0.34
BARAZAN D PLUS	1.98	1.45	2.38
barite	62.44	21.22	86.95
calcium chloride flake 77%	0.02	0.02	0.02
caustic soda	0.26	0.21	0.30
Circal 60/16	4.07	2.96	4.53
Circal Y	4.07	2.96	4.53
citric acid	0.29	0.09	0.36
CLAYSEAL PLUS	6.97	6.52	7.65
DEXTRID LTE	2.33	1.99	2.78
EZ-MUD	2.08	0.67	2.62
KCL Tech Grade (bulk)	20.19	18.64	22.20
lime	0.03	0.03	0.03
PAC-L	1.32	0.99	1.67
potassium chloride	7.60	6.78	8.92
soda ash	0.80	0.37	0.91
sodium bicarbonate	0.08	0.07	0.09

Fluid Name: Potassium Chloride brine			
Material	Average ppb	Minimum ppb	Maximum ppb
ALDACIDE G	0.01	0.01	0.01
BARAZAN D PLUS	0.16	0.16	0.16
barite	2.19	2.19	2.19
calcium chloride flake 77%	0.12	0.12	0.12
caustic soda	0.02	0.02	0.02
citric acid	0.03	0.03	0.03
CLAYSEAL PLUS	0.61	0.61	0.61
DEXTRID LTE	0.18	0.18	0.18
EZ-MUD	0.11	0.11	0.11
KCL Tech Grade (bulk)	1.69	1.69	1.69
PAC-L	0.09	0.09	0.09
potassium chloride	0.81	0.81	0.81
sodium bicarbonate	0.01	0.01	0.01

Fluid Volume Record Report

Report No	Date	Initial Volume	Additions								Losses						Volumes			
			Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume
		bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl

Interval # 01

Fluid Name: Old Mud

003	05/27/08		464.0							464.0									464.0	464.0
004	05/28/08	464.0										449.0			449.0				15.0	15.0
006	05/30/08	15.0										15.0			15.0					
Cumulative Volume			464.0							464.0			464.0		464.0					

Fluid Name: PHG Mud

003	05/27/08				843.6		30.4			874.0									874.0	874.0
004	05/28/08	874.0			1,003.6		20.4			1,024.0			700.0		700.0				1,198.0	1,198.0
005	05/29/08	1,198.0										13.0			13.0				1,185.0	1,185.0
006	05/30/08	1,185.0			800.0		30.5			830.5	685.5				685.5				1,330.0	1,330.0
007	05/31/08	1,330.0		167.0	300.0		0.2			467.2	42.5		965.3		1,007.8	831.9				831.9
008	06/01/08	831.9									413.4				413.4	418.5				418.5
009	06/02/08	418.5											418.4		418.4					
Cumulative Volume				167.0	2,947.2		81.5			3,195.7	1,154.4		2,083.7		3,238.1					

Fluid Name: KCI/Polymer

008	06/01/08			418.0		875.1		99.9		1,393.0									1,393.0	1,393.0
009	06/02/08	1,393.0				950.3	35.7	92.0		1,078.0									2,471.0	2,471.0
011	06/04/08	2,471.0									13.0				13.0		478.0		1,980.0	2,458.0
Cumulative Volume				418.0	1,825.4	35.7	191.9			2,471.0	13.0				13.0					

Fluid Name: Potassium Chloride brine

003	05/27/08		885.0							885.0									885.0	885.0
006	05/30/08	885.0					0.2			0.2		0.2			0.2				885.0	885.0
007	05/31/08	885.0											167.0		167.0				718.0	718.0

Fluid Volume Record Report

Report No	Date	Initial Volume	Additions								Losses						Volumes				
			Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume	
		bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	
008	06/01/08	718.0														418.0				300.0	300.0
Cumulative Volume			885.0						0.2		885.2					0.2	585.0				

Fluid Name: Seawater

003	05/27/08					383.0					383.0									383.0	383.0
005	05/29/08	383.0										53.6					53.6	177.4		152.0	329.4
006	05/30/08	329.4				494.2					494.2							559.6	264.0		823.6
007	05/31/08	823.6				121.7					121.7	659.3					659.3		286.0		286.0
008	06/01/08	286.0										45.0					45.0		241.0		241.0
011	06/04/08	241.0				126.0					126.0									367.0	367.0
Cumulative Volume						1,124.9					1,124.9	757.9					757.9				

Fluid Volume Record Report

Report No	Date	Initial Volume	Additions								Losses						Volumes			
			Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume
		bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl

Interval # 02

Fluid Name: KCl/Polymer

012	06/05/08	2,458.0						0.7		0.7	58.2					58.2	418.5	510.0	1,472.0	2,400.5
013	06/06/08	2,400.5					4.8	6.5		11.3	229.6			30.0		259.6	392.2	571.0	1,189.0	2,152.2
014	06/07/08	2,152.2				430.0	15.9	62.8		508.7	336.9					336.9	530.0	554.0	1,240.0	2,324.0
015	06/08/08	2,324.0					43.1	8.2		51.3	268.5					268.5	581.9	578.0	947.0	2,106.9
016	06/09/08	2,106.9					12.8	5.5		18.3	19.3					19.3	680.9	518.0	907.0	2,105.9
017	06/10/08	2,105.9		39.0			10.5	1.7		51.2	292.7					292.7	593.5	545.0	726.0	1,864.5
018	06/11/08	1,864.5						0.4		0.4	0.2					0.2	587.6	560.0	717.0	1,864.6
019	06/12/08	1,864.6					7.7	1.4		9.1	42.3		35.0			77.3	836.4	381.0	579.0	1,796.4
022	06/15/08	1,796.4						0.3		0.3	159.8		50.0			209.8	610.9	383.0	593.0	1,586.9
023	06/16/08	1,586.9									320.0		426.9		840.0	1,586.9				
Cumulative Volume				39.0		430.0	94.8	87.5		651.3	1,727.5		511.9	30.0	840.0	3,109.4				

Fluid Name: Potassium Chloride brine

013	06/06/08	300.0		30.0						30.0										330.0	330.0
017	06/10/08	330.0											39.0			39.0				291.0	291.0
022	06/15/08	291.0											291.0			291.0					
Cumulative Volume				30.0						30.0			291.0	39.0		330.0					

Fluid Name: Seawater

013	06/06/08	367.0									367.0					367.0					
023	06/16/08					834.7				834.7							834.7				834.7
Cumulative Volume						834.7				834.7	367.0					367.0					

Fluid Property Recap : Water-Based Fluid

Date	Depth m	FL Temp Deg C	Density ppg	Funn Visc sec/qt	Rheology 49 Deg C				Filtration					Filtrate Analysis					MBT ppb Eq.	Sand % by vol	Retort Analysis				Rheometer Dial Readings							
					PV cP	lbs/100 ft2				API ml/30 min	HTHP ml/30 min	Cake API 32nd in	Cake HTHP	Temp Deg C	pH	Pm ml	Pf ml	Mf ml			Cl mg/l	Total Hardness mg/l	% by vol				600	300	200	100	6	3
						YP	10S	10M	30M														Corr Solid	LGS	NAP Base	Water						
06/09/2008	2,450	52	11.00	52	18	32	14	26	32	5.4	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	0.50	10.8	4.737		86	68.0	50.0	42.0	33.0	14.0	11.0
06/09/2008	2,450		11.10	55	18	29	14	26	32	5.4	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	0.50	11.3	5.007		85.5	65.0	47.0	40.0	31.0	14.0	12.0
06/10/2008	2,450	41	11.10	53	18	32	14	26	32	5.4	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	0.50	11.3	5.007		85.5	68.0	50.0	42.0	37.0	14.0	12.0
06/10/2008	2,454	42	11.00	51	15	35	13	25	30	5.8	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	1.00	10.8	4.737		86	65.0	50.0	40.0	31.0	14.0	12.0
06/10/2008	2,467	41	11.00	50	16	28	12	21	26	6.0	12.0	1	2	93	8.50	0.10	0.10	1.50	42,000	400	7.0	0.50	10.8	4.737		86	60.0	44.0	36.0	25.0	13.0	11.0
06/11/2008	2,470		11.00	51	16	28	12	21	26	6.0	12.0	1	2	93	9.00	0.10	0.10	1.50	42,000	400	7.5	0.50	10.8	4.737		86	60.0	44.0	36.0	25.0	13.0	11.0
06/11/2008	2,470		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	7.5	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/11/2008	2,470		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	7.5	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/12/2008	2,470		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	7.5	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/12/2008	2,580	51	11.00	51	20	30	13	23	30	6.0	12.0	1	2	93	9.50	0.10	0.10	1.30	42,000	360	7.5	0.75	10.8	4.737		86	70.0	50.0	41.0	31.0	13.0	11.0
06/12/2008	2,590	52	11.00	52	18	32	13	22	29	5.8	12.0	1	2	93	9.50	0.10	0.10	1.30	42,000	400	10.0	0.75	10.8	4.737		86	68.0	50.0	43.0	33.0	14.0	13.0
06/13/2008	2,590		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	10.0	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/14/2008	2,590	25	11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	10.0	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/15/2008	2,590		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	10.0	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/16/2008	2,590		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.50	42,000	400	10.0	0.50	10.8	4.737		86	61.0	45.0	35.0	25.0	13.0	11.0

Fluid Program Exception Report

Report No	Date	Time	Depth m	Property Name	Unit System	Actual Value	Exception	Program Min	Program Max
007	05/31/2008	4:30	755	Density	ppg	8.50	Low	9.50	11.00
007	05/31/2008	20:00	755	Density	ppg	8.50	Low	9.50	11.00
007	05/31/2008	4:30	755	Yield Point	lbs/100 ft2	68	High	20	30
007	05/31/2008	20:00	755	Yield Point	lbs/100 ft2	68	High	20	30
008	06/01/2008	3:00	755	Density	ppg	8.50	Low	9.50	11.00
008	06/01/2008	20:00	755	Density	ppg	8.50	Low	9.50	11.00
008	06/01/2008	3:00	755	Yield Point	lbs/100 ft2	68	High	20	30
008	06/01/2008	20:00	755	Yield Point	lbs/100 ft2	68	High	20	30
013	06/06/2008	3:00	758	pH	-	10.00	High	8.50	9.50
013	06/06/2008	10:30	903	pH	-	10.00	High	8.50	9.50
013	06/06/2008	16:30	1,111	Yield Point	lbs/100 ft2	33	High	20	30
014	06/07/2008	11:20	1,764	Yield Point	lbs/100 ft2	33	High	20	30
016	06/09/2008	3:40	2,398	Density	ppg	11.05	High	9.50	11.00
016	06/09/2008	21:00	2,450	Density	ppg	11.10	High	9.50	11.00
016	06/09/2008	9:30	2,450	Yield Point	lbs/100 ft2	32	High	20	30
017	06/10/2008	3:30	2,450	Density	ppg	11.10	High	9.50	11.00
017	06/10/2008	3:30	2,450	Yield Point	lbs/100 ft2	32	High	20	30
017	06/10/2008	10:30	2,454	Yield Point	lbs/100 ft2	35	High	20	30

Operations Log Recap

Interval	01	From Date	001	Top of Interval	96.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	011	Bottom of Interval	755.0 m
For Report #	001	On	05/25/2008	Operation at Depth	96.0 m
Rig Activity	Rig moving to location from Wardie -1 to Garfish - 1 @ 22:30 25/05/08				
Activity	Rig Move				
For Report #	002	On	05/26/2008	Operation at Depth	96.0 m
Rig Activity	On tow to Garfish 1. Lower leg to 71m, 2m off bottom. Tag bottom at 71.9m. Cont. jacking down soft pin to 73.5m to 3m draft. Cont. connect deepwell. Jack up the Rig to 2m draft. Pre-load rig at 2m draft. Hold Pre-Load.				
Activity	Hold Pre-Load				
Fluid Treatment	.				
For Report #	003	On	05/27/2008	Operation at Depth	96.0 m
Rig Activity	Cont. with Preload to 100%. Dumped Preload. Commence jack hull down to zero air gap for 10mins and jack rig up to drill air gap. Release pacific battler and prepare rig for skid. Skid rig to gumbo connectio. Connect gumbo hose, swap air and water hoses. Lower texas deck. Connect service hoses, rotary hoses, cleared deck. Prepared and pick up 9 joints of DP & rack back on derrick.				
Activity	Rig up and rig down				
Fluid Treatment	Began to mix 870bbl Pre hydrated bentonite Gel. Received 464 bbl Old Mud and 885 bbl KCL brine from previous well from the Pacific Battler.				
For Report #	004	On	05/28/2008	Operation at Depth	132.0 m
Rig Activity	Cont. pick up 5 1/2" DP & rack back in derrick. Make up casing running tool & rack back. Prepare to raise texas deck. Make up 26" bit & 36" hole opener assembly. Lowered to sea bed @96.25m (sea level - 40m). Drilled 36" hole to 132m as per programme. Sweep hole with 200 bbl hi-vis, displace hole with inhibited mud. POH, rack back BHA. Pick up 30" conductor handling equipment & install running tool.				
Activity	Run casing and cement				
Fluid Treatment	Flocculated PHB at 70/30 with sea water and added 0.13 ppb Lime prior to pumping sweeps. Used 440 bbls old KCL/Polymer mud for displacement fluid.				
For Report #	005	On	05/29/2008	Operation at Depth	132.0 m
Rig Activity	Run 30" conductor to 128m. Hold PJSM and cement conductor. Make up 22" bit and RIH slick assy to TOC at 125m. Drill out cement and shoe track and ream rat hole to 132m. Sweep hole with 75bbl high vis. POOH with 22" clean out assy from 132m to 57m. Clean catwalk and rack back HWDP.				
Activity	Tripping				
Fluid Treatment	Total PHB mixed: 1898 bbls. Drill out cement and conductor shoe with seawater. Pump 75bbl high vis PHB sweep prior to POOH to change BHA.				
For Report #	006	On	05/30/2008	Operation at Depth	650.0 m
Rig Activity	Continue to make up stands of drill pipe and rack back in derrick. Make up 17 1/2" BHA and RIH to 132m. Drill 17 1/2" hole from 132m to 650m, pumping 50bbl high vis				

Operations Log Recap

Interval	01	From Date	001	Top of Interval	96.0 m	
Max. Hole Size / Bit Size	17.500 / 17.500	in	To Date	011	Bottom of Interval	755.0 m
					every stand. Survey every 3rd stand.	
Activity					Drilling	
Fluid Treatment					Continue to pre-hydrate PHB. Cut back with 30-40% Sea water added 0.15 ppb Lime prior to pumping sweeps as required for hole cleaning. Returns to sea-bed.	
For Report	# 007	On	05/31/2008	Operation at Depth	755.0 m	
Rig Activity					Continue drilling 17 1/2" hole from 650m to 755m. Pump 150bbl high vis sweep and circ hole clean. Displace hole to PHB mud. POOH to 118m for wiper trip. RIH to 721m. Wash and light ream from 721m to 755m. Pump high vis and displace well to inhibitive mud. POOH to run casing.	
Activity					Tripping	
Fluid Treatment					Continue to pump 50bbl high vis PHB sweeps each stand. Pump 150bbl high vis PHB sweep at TD, circ hole clean and displace well to PHB mud. When back on bottom from wiper trip a 150bbl high vis PHB sweep was pumped and circulated out with seawater. The hole was then displaced to PHB/KCl mud to aid hole inhibition while tripping and running casing.	
For Report	# 008	On	06/01/2008	Operation at Depth	755.0 m	
Rig Activity					Continue to make up wellhead assy and running tool. Rack back in derrick and rig up and run 13 3/8" casing to 643.88m. Rig up and run 5 1/2" inner string. Latched 18 3/4" wellhead into conductor head. Confirmed latch with 50K overpull. 18 3/4" wellhead at 92.66m. 13 3/8" casing shoe at 746.53m.	
Activity					Run casing and cement	
Fluid Treatment					Dumped and cleaned mud pits 1,4,5,7 and 8 in preparation for mixing new mud. Commence mixing KCl/Polymer/Clayseal mud for 8 1/2" hole section.	
For Report	# 009	On	06/02/2008	Operation at Depth	755.0 m	
Rig Activity					Cement 13 3/8" casing as per program. POOH 5 1/2" inner string. WOC. Rig up and run high pressure riser. Stop work and hold safety meeting. Continue running high pressure riser.	
Activity					Nipple up B.O.P.	
Fluid Treatment					Continue to mix KCl/Polymer/Clayseal mud for 8 1/2" hole section. Mud check for new KCl/Polymer/Clayseal mud.	
For Report	# 010	On	06/03/2008	Operation at Depth	755.0 m	
Rig Activity					Continue to run high pressure riser. Nipple up BOP.	
Activity					Nipple up B.O.P.	
Fluid Treatment					Continue to circulate new KCl/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA.	
For Report	# 011	On	06/04/2008	Operation at Depth	755.0 m	
Rig Activity					Continue to nipple up BOP and pressure test. Nipple up diverter.	
Activity					Nipple up B.O.P.	
Fluid Treatment					Continue shearing new KCl/Polymer/Clayseal mud with mix pumps.	

Operations Log Recap

Interval	02	From Date	012	Top of Interval	755.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	026	Bottom of Interval	2,590.0 m
For Report # 012	On 06/05/2008	Operation at Depth		755.0 m	
Rig Activity	Make up 12 1/4" BHA and RIH. Drill cement and shoe track. Displace to KCl/Polymer mud. Conduct LOT, 1020psi, EMW 17.39 ppg. POOH and lay out 12 1/4" BHA. Make up 8 1/2" BHA and RIH.				
Activity	Tripping				
Fluid Treatment	Continue shearing new KCl/Polymer/Clayseal mud through mix pumps to aid shearing PHPA. Displace well to KCl/Polymer/Clayseal mud when drilling cement and shoe track. Treat mud with Citric Acid and Sodium Bicarbonate while drilling out cement.				
For Report # 013	On 06/06/2008	Operation at Depth		1,365.0 m	
Rig Activity	Continue to RIH. Drill 8 1/2" hole from 758m to 1365m with surveys every 3 stands.				
Activity	Drilling				
Fluid Treatment	Some cement contamination. Treated active with Citric Acid to lower pH and added Barazan to restore low end rheology. Adding EZ Mud to increase PHPA concentration. Added Aldacide-G to active to maintain concentration. Adding unweighted KCl/Polymer/Clayseal to active as required to maintain volume and dilution. Dump sand trap to prevent solids build up and upgrade shaker screens to aid in solids control.				
For Report # 014	On 06/07/2008	Operation at Depth		2,082.0 m	
Rig Activity	Continue drilling 8 1/2" hole from 1365m to 2077m with surveys every 5 stands. Increased flow observed. Flow check, shut in well 0 psi. Continue drilling 8 1/2" hole from 2077m to 2082m.				
Activity	Drilling				
Fluid Treatment	Added 10ppb Calcium Carbonate to premix to maintain active concentration. Treated increased hardness by addition of Soda Ash to the active. Continue adding EZ Mud to active to maintain concentration and inhibition. Prepare further 450bbl KCl/Polymer/Clayseal premix, weighted to 9.5ppg for dilution volume. Added 10ppb Calcium Carbonate to active prior to 2000m to minimize potential seepage losses. Dump sandtrap as required to prevent solids build up.				
For Report # 015	On 06/08/2008	Operation at Depth		2,352.0 m	
Rig Activity	Continue drilling 8 1/2" hole from 2082m to 2352m with surveys.				
Activity	Drilling				
Fluid Treatment	Commence weighting system to 11.0ppg with Barite at 2100m. Added Circol 60/16 and Y to maintain concentrations respectively. Treated active with Soda Ash to maintain hardness within specification. Added Pac-L and Dextrid LT to active to maintain fluid loss. Continue to treat active with Aldacide-G every 12 hours to prevent bacterial degradation. Dumped sand traps as required to prevent solids build up.				
For Report # 016	On 06/09/2008	Operation at Depth		2,450.0 m	
Rig Activity	Continue to drill 8 1/2" hole from 2352m to 2450m with surveys. Pump High Vis sweep one stand prior to TD and another at TD to clean hole. POOH wet for 30 stands and pump slug. Continue to POOH. Lay out BHA and make up coring BHA.				
Activity	Tripping				
Fluid Treatment	Add Barite to active to maintain mud weight at 11.0ppg. Weighted 200bbl premix from 9.5ppg to 10.6ppg with Barite to allow addition without reduction in mud weight.				

Operations Log Recap

Interval	02	From Date	012	Top of Interval	755.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	026	Bottom of Interval	2,590.0 m
		Added EZ-Mud to active to maintain concentraion and inhibition. Treated active system with Barazan-D to maintain rheology. Prepared 63bbl high viscosity sweep and pumped to assist hole cleaning prior to POOH.			
For Report	# 017	On	06/10/2008	Operation at Depth	2,470.0 m
Rig Activity	Continue to RIH with coring assembly. Cut core from 2450m to 2470m. Break off core and circulate hole clean.				
Activity	Drilling				
Fluid Treatment	Dump and clean sand trap. Mud lost over shakers when emptying trip tank and filling string due to shakers not running, approx. 69bbl. Treated active system with Aldacide-G to prevent bacterial degradation. Added Barazan-D, Dextrid LTE and Pac-L to active to maintain properties and Barite to maintain mud weight after a 50 bbl KCl pill was pumped for suspected bit balling. Adding premix at 9.5ppg as required to maintain volume and mud properties. Added Caustic Soda to active to maintain pH. Prepare HW slug for POOH.				
For Report	# 018	On	06/11/2008	Operation at Depth	2,470.0 m
Rig Activity	POOH with coring assembly. Hold JSA, break out core barrel and lay out core. Make up 8 1/2" BHA and RIH.				
Activity	Tripping				
Fluid Treatment	Treated mud pits with Aldacide-G to minimize bacterial activity.				
For Report	# 019	On	06/12/2008	Operation at Depth	2,590.0 m
Rig Activity	Continue to RIH. Wash and ream though coring section from 2450m to 2470m. Cont. drilling 8 1/2" hole from 2470m to 2590m. Pumped 50bbl hi-vis, circulate bottoms up. POOH to 2553m, with 40-50k overpull. Back ream from 2583m to 2374m. Slug pipe and POOH, rack back BHA.				
Activity	Drilling				
Fluid Treatment	18 bulk bags KCl returned to town. Made slug for POOH.				
For Report	# 020	On	06/13/2008	Operation at Depth	2,590.0 m
Rig Activity	POOH to surface. Lay down 8 1/2" BHA. Service top drive. Rig up Schlumberger equipment. RIH with T/string #1 to 2500m and log as per programme. Pick up toolstring #2 RIH surface test tool #2. POOH. RIH MDT survey tool.				
Activity	Wire Line logs				
Fluid Treatment	.				
For Report	# 021	On	06/14/2008	Operation at Depth	2,590.0 m
Rig Activity	Cont. Schlumberger operations with MDT toolstring. POOH & lay down MDT. Puck up & make up VSP survey tools. RIH with VSP survey tools. POOH. RIH with CST.				
Activity	Wire Line logs				
Fluid Treatment	.				
For Report	# 022	On	06/15/2008	Operation at Depth	2,590.0 m
Rig Activity	Cont. RIH with CST toolstring. Commence CST as per programme. POOH. Rig down Schlumber equipment. Rig up for 2 7/8" cement stringer. Pick up and make up cement stringer. RIH to 2308m. Circ. bottoms up. Set 1st plug @ 2308m. POOH 4stds to 2189m. Circ. bottoms up. Set 2nd cement plug @ 2189m. POOH 5 stds to 2032m. Circ. bottoms up. RIH to tag cement @ 2091m. POOH to 2038m.				

Operations Log Recap

Interval	02	From Date	012	Top of Interval	755.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	026	Bottom of Interval	2,590.0 m
Activity	Plugging Back				
Fluid Treatment	Prepared Hi-vis pill for cement programme.				
For Report # 023	On 06/16/2008	Operation at Depth		2,590.0 m	
Rig Activity	Cont. to POOH from 2032m to 908m. Pump 25 bbl hi-vis pill and displace with 50 bbl mud. Cont. POOH to 760m. Set cement plug #3 @765m. POOH to 612m & circ. bottoms up. RIH to 296m, pump 30 bbl hi-vis pill. POOH to 236m, displace well to seawater. Set cement plug #4. POOH to surface. Nipple down BOP. Make up Drillquip running tool. Rig down CTU.				
Activity	Rig up and rig down				
Fluid Treatment	Returned 840 bbl Old KCL/Polymer mud to Pacific Battler.				
For Report # 024	On 06/17/2008	Operation at Depth		2,590.0 m	
Rig Activity	POOH Riser. RIH with casing cutter assembly on 5 1/2" DP. Set casing cutter down at 98.4m. Cut casing.				
Activity	Cut casing weld bowl				
Fluid Treatment	.				
For Report # 025	On 06/18/2008	Operation at Depth		2,590.0 m	
Rig Activity	Cont. cut casing @ 98.4m. No success. Attempt cutting 20" & 30" casing with cutter assembly #2 @ 96.8m. POOH. Skid rig in. Lay out well head. Disengage tools from well head.				
Activity	Rig up and rig down				
Fluid Treatment	.				
For Report # 026	On 06/19/2008	Operation at Depth		2,590.0 m	
Rig Activity	Jack Down rig. Commence tow @ 09:00 hrs 1 km from Garfish -1.				
Activity	Rig up and rig down				
Fluid Treatment	.				

DAILY MUD REPORTS

Daily Drilling Fluid Report

Date		05/25/2008		Depth		0.0 m						
Spud Date		05/27/2008		Rig Activity		Rig Move						
Operator NEXUS ENERGY			Report For Shaughan Corless /Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model				
Make/Type								Bore in				
Jets								Strokes in				
TFA	sq-in							Eff(%)				
Jets Velocity	m/sec							bbl/stk				
Jet Impact Force	lbf							SPM				
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	m							Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time , min				
ECD @ Bit	ppg							Total Strokes				
AV, Riser		Circ Press psi		Tot Pres Loss		Press Drop An		Press Drop DP				
AV min DP												
AV max DC												
BU Strokes												
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source								Fluid Type				
Time												
Depth m												
FL Temp Deq C												
Density @ Deq C ppg												
FV @ Deq C sec/qt												
PV @ Deq C cP												
YP lbs/100 ft2												
GELS lbs/100 ft2												
600/300												
200/100												
6/3												
API Filt ml/30 min												
HTHP @ Deq C ml/30 min												
Cake API/HTHP 32nd in												
Corr Solid % by Vol												
NAP/Water % by Vol												
Sand % by vol												
MBT ppb Eq.								Rig Activity				
pH @ Deq C								Rig moving to location from Wardie -1 to Garfish				
ALK Mud Pm								1 @ 22:30 25/05/08				
ALK Filt Pf/Mf												
Chlorides mg/l												
Tot. Hardness mg/l												
LGS/HGS % by Vol												
LGS/HGS ppb												
ASG SG												
Additional Properties												
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time	
								Shaker	Screens	Hrs	Drilling	
								VSM-300			Circulating	
								VSM-300			Trips	
								VSM-300			Rig	
								VSM-300			Surveys	
								VSM-300			Fishing	
								VSM-300			Run Casing	
											Coring	
											Reaming	
								Hydrocyclone	Cones	Screens	Hrs	
								D 16	16 4		Testing	
											Logging	
											Dir Work	
											Repair	
											Other	
											1.5	
								Centrifuge	Speed	Feed Rate	Hrs	
								3,000	40.00		Total	
								3,000	40.00		1.5	
											Rotating	
											ROP	
											0.00	
											Dil Rate	
Fluid Volume Breakdown		Active	bbl	Additions	bbl	Losses	bbl					
		Annulus		Base		Fluid Dumped						
		Pipe Cap		Drill Water		Transferred						
		Active Pits		Dewatering		SCE						
		Total Hole		Sea Water		Evaporation						
		Total Circ		Whole Mud		Trips						
		Reserve		Barite		Other						
		Prev Vol		Chemicals		Total Surface						
		Net Change		Other		Downhole						
		Total Vol		Total		Total Losses						
Fluid Types		Vol bbl	Deviation Information									
			Survey MD	m								
			Survey TVD	m								
			Angle	Deg								
			Direction									
			Horiz Displ.	m								
Daily Products Cost		\$0.00	Total Daily Cost		\$0.00							
Cumulative Products Cost		\$0.00	Total Cumulative Cost		\$0.00							
Baroid Representatives		Eugene Edwards		James Munford								
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						

Daily Drilling Fluid Report

Date		05/26/2008		Depth		0.0 m					
Spud Date		05/27/2008		Rig Activity		Hold Pre-Load					
Operator NEXUS ENERGY			Report For Shaughan Corless /Stefan Schmidt			Well Name Garfish -1					
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy			
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29					
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data				
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220
Make/Type								Bore in	0.000	0.000	0.000
Jets								Strokes in	14.000	14.000	14.000
TFA	sq-in							Eff(%)	0	0	0
Jets Velocity	m/sec							bbl/strok	0.000	0.000	0.000
Jet Impact Force	lbf							SPM	0	0	0
Bit HHSI	hhp/in2							gpm bbl/min			
Press Drop @ Bit	psi							Total GPM	AV, Riser	Circ Press psi	
Bit Depth	m							Total Circ Time	AV min DP	Tot Pres Loss	
ECD @ Csg Shoe	ppg							BU Time , min	AV max DC	Press Drop DP	
ECD @ Bit	ppg							Total Strokes	BU Strokes	Press Drop An	
Properties		1	2	3	4	Targets	Program	Fluid Treatments			
Source								Fluid Type			
Time											
Depth		m									
FL Temp		Deq C									
Density @ Deq C		ppg									
FV @ Deq C		sec/qt									
PV @ Deq C		cP									
YP		lbs/100 ft2									
GELS		lbs/100 ft2									
600/300											
200/100											
6/3											
API Filt		ml/30 min									
HTHP @ Deq C		ml/30 min									
Cake API/HTHP		32nd in									
Corr Solid		% by Vol									
NAP/Water		% by Vol									
Sand		% by vol									
MBT		ppb Eq.						Rig Activity			
pH @ Deq C								On tow to Garfish 1. Lower leg to 71m, 2m off bottom. Tag bottom at 71.9m. Cont. jacking down soft pin to 73.5m to 3m draft. Cont. connect deepwell. Jack up the Rig to 2m draft. Pre-load rig at 2m draft. Hold Pre-Load.			
ALK Mud		Pm									
ALK Filt		Pf/Mf									
Chlorides		mg/l									
Tot. Hardness		mg/l									
LGS/HGS		% by Vol									
LGS/HGS		ppb									
ASG		SG									
Additional Properties											
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker			Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	Screens			Circulating
ALDACIDE G		5 gal can		25		25		VSM-300			Trips
Amodrill 1235		1500 l drum		2		2		VSM-300			Rig
BARACOR 100		55 gal drum		4		4		VSM-300			Surveys
BARA-DEFOAM W300		5 gal can		17		17		VSM-300			Fishing
BARAZAN D PLUS		25 kg bag		42		42					Run Casing
barite		1000 kg bulk		125.300		125.300					Coring
BAROFIBRE FINE		25 lb bag		50		50					Reaming
bentonite		1000 kg bulk		41.000		41.000		Hydrocyclone			Testing
calcium chloride flake 77%		25 kg bag		19		19		Cones			Logging
caustic soda		25 kg pail		49		49		Screens			Dir Work
Circal 60/16		25 kg sack		48		48		Hrs			Repair
Circal Y		25 kg sack		49		49					Other
citric acid		25 kg bag		37		37		Centrifuge			Total
CON DET		5 gal can		32		32		Speed			Rotating
CON DET		55 gal drum		8		8		Feed Rate			ROP
DEXTRID LTE		25 kg sack		22		22		Hrs			Dil Rate
EZ SPOT		55 gal drum		8		8					0.00
EZ-MUD		25 kg pail		96		96		Fluid Volume Breakdown			
EZ-MUD DP		25 kg bag		14		14		Active			bbl
KCL Tech Grade (bulk)		1000 kg bulk		11.000		11.000		Annulus			Losses
Kwikseal Fine		40 lb bag		38		38		Pipe Cap			bbl
lime		25 kg bag		74		74		Base			Fluid Dumped
N-DRIL HT PLUS		50 lb bag		55		55		Drill Water			Transferred
NO-SULF		17 kg pail		48		48		Active Pits			SCE
Omyacarb 5		25 kg bulk		33.000		33.000		Dewatering			Evaporation
PAC-L		25 kg bag		55		55		Sea Water			Trips
potassium chloride		1000 kg bag		10		10		Total Hole			Other
								Total Circ			Total Surface
								Reserve			Downhole
								Prev Vol			Total Losses
								Net Change			
								Total Vol			
Daily Products Cost		\$0.00	Total Daily Cost		\$2,500.00	Fluid Types		Vol bbl		Deviation Information	
Cumulative Products Cost		\$0.00	Total Cumulative Cost		\$2,500.00					Survey MD	
Baroid Representatives		Eugene Edwards		James Munford						Survey TVD	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction	
										Horiz Displ.	

Daily Drilling Fluid Report

Date		05/27/2008		Depth		0.0 m							
Spud Date		05/27/2008		Rig Activity		Rig up and rig down							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data						
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type								Bore in	0.000	0.000	0.000		
Jets								Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	0	0	0		
Jets Velocity	m/sec							bbl/strk	0.000	0.000	0.000		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM	AV, Riser	Circ Press psi			
Bit Depth	m							Total Circ Time	AV min DP	Tot Pres Loss			
ECD @ Csg Shoe	ppg							BU Time , min	AV max DC	Press Drop DP			
ECD @ Bit	ppg							Total Strokes	BU Strokes	Press Drop An			
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source								Fluid Type Seawater					
Time								Began to mix 870bbl Pre hydrated bentonite Gel.					
Depth								Received 464 bbl Old Mud and 885 bbl KCL brine from previous well from the Pacific Battler.					
FL Temp													
Density @ Deg C													
FV @ Deg C													
PV @ Deg C													
YP													
GELS													
600/300													
200/100													
6/3													
API Filt													
HTHP @ Deg C													
Cake API/HTHP													
Corr Solid													
NAP/Water													
Sand													
MBT													
pH @ Deg C													
ALK Mud													
ALK Filt													
Chlorides													
Tot. Hardness													
LGS/HGS													
LGS/HGS													
ASG													
Additional Properties													
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300					Circulating
bentonite		1000 kg bulk	41.000		12.000	29.000	\$5,938.56	VSM-300					Trips
caustic soda		25 kg pail	49		2	47	\$88.38	VSM-300					Rig
soda ash		25 kg bag	2		1	1	\$13.25	VSM-300					Surveys
ALDACIDE G		5 gal can	25			25		VSM-300					Fishing
Amodrill 1235		1500 l drum	2			2							Run Casing
BARACOR 100		55 gal drum	4			4							Coring
BARA-DEFOAM W300		5 gal can	17			17							Reaming
BARAZAN D PLUS		25 kg bag	42			42		Hydrocyclone		Cones		Hrs	Testing
barite		1000 kg bulk	125.300	41.700		167.000		D 16		16 4			Logging
BAROFIBRE FINE		25 lb bag	50			50							Dir Work
calcium chloride flake 77%		25 kg bag	19			19							Repair
Circal 60/16		25 kg sack	48			48							Other
Circal Y		25 kg sack	49			49							Total
citric acid		25 kg bag	37			37		Centrifuge		Speed		Feed Rate	Hrs
CON DET		5 gal can	32			32		3,000		40.00			Rotating
CON DET		55 gal drum	8			8		Centrifuge		3,000		40.00	ROP
DEXTRID LTE		25 kg sack	22			22							Dil Rate
EZ SPOT		55 gal drum	8			8							0.00
EZ-MUD		25 kg pail	96			96							
EZ-MUD DP		25 kg bag	14			14							
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000							
Kwikseal Fine		40 lb bag	38			38							
lime		25 kg bag	74			74							
N-DRIL HT PLUS		50 lb bag	55			55							
NO-SULF		17 kg pail	48			48							
Omycarb 5		25 kg bulk	33.000			33.000							
PAC-L		25 kg bag	55			55							
Daily Products Cost		\$6,040.19	Total Daily Cost		\$8,540.19	Fluid Types		Vol bbl		Deviation Information			
Cumulative Products Cost		\$6,040.19	Total Cumulative Cost		\$11,040.19	Old Mud		464.0		Survey MD			
Baroid Representatives		Eugene Edwards		James Munford		Potassium Chloride brine		885.0		Survey TVD			
Office		90 Talinga Rd Melbourne		Telephone		PHG Mud		874.0		Angle			
Warehouse		c/o of Esso Australia Ltd		Telephone						Direction			
										Horiz Displ.			

Daily Drilling Fluid Report

Date		05/28/2008		Depth		132.0 m							
Spud Date		05/27/2008		Rig Activity		Run casing and cement							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data						
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type								Bore in	0.000	0.000	0.000		
Jets								Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	0	0	0		
Jets Velocity	m/sec							bbl/strk	0.000	0.000	0.000		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM		AV, Riser	Circ Press psi		
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss		
ECD @ Csg Shoe	ppg							BU Time, min		AV max DC	Press Drop DP		
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An		
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8						Fluid Type Seawater					
Time		20:00						Floculated PHB at 70/30 with sea water and added 0.13 ppb Lime prior to pumping sweeps.					
Depth		132						Used 440 bbls old KCL/Polymer mud for displacement fluid.					
FL Temp		Deg C						8.30	9.50				
Density @ Deg C		8.50 @ 25											
FV @ Deg C		200 @ 25											
PV @ Deg C		20 @ 25											
YP		70											
GELS		55/60/70						40/40/-	100/100/-				
600/300		110.0/90.0											
200/100		85.0/75.0											
6/3		55.0/52.0											
API Filt		ml/30 min											
HTHP @ Deg C		ml/30 min											
Cake API/HTHP		32nd in											
Corr Solid		% by Vol											
NAP/Water		% by Vol											
Sand		-99.0											
MBT		ppb Eq.											
pH @ Deg C		9.00 @ 25						8.00	9.50	Rig Activity			
ALK Mud		Pm						Cont. pick up 5 1/2" DP & rack back in derrick.					
ALK Filt		Pf/Mf						Make up casing running tool & rack back.					
Chlorides		mg/l						Prepare to raise texas deck. Make up 26" bit & 36" hole opener assembly. Lowered to sea bed @96.25m (sea level - 40m). Drilled 36" hole to 132m as per programme. Sweep hole with 200 bbl hi-vis, displace hole with inhibited mud. POH, rack back BHA. Pick up 30" conductor handling equipment & install running tool.					
Tot. Hardness		mg/l											
LGS/HGS		% by Vol											
LGS/HGS		ppb											
ASG		SG											
Additional Properties													
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling 1.5	
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				Circulating 1.0	
bentonite		1000 kg bulk	29.000		8.000	21.000	\$3,959.04	VSM-300				Trips 10.5	
calcium chloride flake 77%		25 kg bag	19	50	28	41	\$386.96	VSM-300				Rig	
caustic soda		25 kg pail	47		1	46	\$44.19	VSM-300				Surveys	
soda ash		25 kg bag	1	40	2	39	\$26.50	VSM-300				Fishing	
lime		25 kg bag	74		2	72	\$13.10	VSM-300				Run Casing 6.5	
ALDACIDE G		5 gal can	25			25						Coring	
Amodrill 1235		1500 l drum	2			2						Reaming	
BARACOR 100		55 gal drum	4			4		Hydrocyclone		Cones	Screens	Hrs	
BARA-DEFOAM W300		5 gal can	17			17		D 16		16 4		Testing 4.5	
BARAZAN D PLUS		25 kg bag	42			42						Logging	
barite		1000 kg bulk	167.000			167.000						Dir Work	
BAROFIBRE FINE		25 lb bag	50			50						Repair	
Circal 60/16		25 kg sack	48			48		Centrifuge		Speed	Feed Rate	Hrs	
Circal Y		25 kg sack	49			49		Centrifuge		3,000	40.00	Total 24.0	
citric acid		25 kg bag	37			37		Centrifuge		3,000	40.00	Rotating 1.5	
CON DET		5 gal can	32			32						ROP 24.0	
CON DET		55 gal drum	8			8						Dil Rate 0.00	
DEXTRID LTE		25 kg sack	22			22		Fluid Volume Breakdown				Seawater	
EZ SPOT		55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD		25 kg pail	96			96		Annulus		Base		Fluid Dumped	
EZ-MUD DP		25 kg bag	14			14		Pipe Cap		Drill Water		Transferred	
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000		Active Pits		Dewatering		SCE	
Kwikseal Fine		40 lb bag	38			38		Total Hole		Sea Water		Evaporation	
N-DRIL HT PLUS		50 lb bag	55			55		Total Circ		Whole Mud		Trips	
NO-SULF		17 kg pail	48			48		Reserve	383.0	Barite		Other	
Omyacarb 5		25 kg bulk	33.000			33.000		Prev Vol	383.0	Chemicals		Total Surface	
PAC-L		25 kg bag	55			55		Net Change		Other		Downhole	
								Total Vol	383.0	Total		Total Losses	
Daily Products Cost		\$4,429.79	Total Daily Cost			\$6,929.79		Fluid Types		Vol bbl	Deviation Information		
Cumulative Products Cost		\$10,469.98	Total Cumulative Cost			\$17,969.98		Old Mud		15.0	Survey MD		m
Baroid Representatives		Eugene Edwards		James Munford		PHG Mud		Potassium Chloride brine		885.0	Survey TVD		m
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				1198.0	Angle		Deg
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445					Direction		
											Horiz Displ.		m

Daily Drilling Fluid Report

Date		05/29/2008		Depth		132.0 m						
Spud Date		05/27/2008		Rig Activity		Tripping						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	0.000	0.000	0.000	
Jets							Strokes in	14.000	14.000	14.000		
TFA	sq-in						Eff(%)	0	0	0		
Jets Velocity	m/sec						bbl/strk	0.000	0.000	0.000		
Jet Impact Force	lbf						SPM	0	0	0		
Bit HHSI	hhp/in2						gpm bbl/min					
Press Drop @ Bit	psi						Total GPM	AV, Riser	Circ Press psi			
Bit Depth	132.0 m						Total Circ Time	AV min DP	Tot Pres Loss			
ECD @ Csg Shoe	ppg						BU Time, min	AV max DC	Press Drop DP			
ECD @ Bit	ppg						Total Strokes	BU Strokes	Press Drop An			
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #8						Fluid Type			Seawater	
Time		20:00						Total PHB mixed: 1898 bbls.				
Depth	m	132						Drill out cement and conductor shoe with seawater. Pump 75bbl high vis PHB sweep prior to POOH to change BHA.				
FL Temp	Deq C							8.30	9.50			
Density @ Deq C	ppg	8.50 @ 25										
FV @ Deq C	sec/qt	200 @ 25										
PV @ Deq C	cP	20 @ 25										
YP	lbs/100 ft2	70										
GELS	lbs/100 ft2	55/60/70						40/40/-	100/100/-			
600/300		110.0/90.0										
200/100		85.0/75.0										
6/3		55.0/52.0										
API Filt	ml/30 min											
HTHP @ Deq C	ml/30 min											
Cake API/HTHP	32nd in											
Corr Solid	% by Vol	0.7										
NAP/Water	% by Vol	-/99.0										
Sand	% by vol											
MBT	ppb Eq.	40.0										
pH @ Deq C												
ALK Mud	Pm											
ALK Filt	Pf/Mf											
Chlorides	mg/l	800										
Tot. Hardness	mg/l											
LGS/HGS	% by Vol	0.2/0.5										
LGS/HGS	ppb	1.69/8.01										
ASG	SG	3.793										
Additional Properties												
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				Circulating
ALDACIDE G		5 gal can	25			25		VSM-300				Trips
Amodrill 1235		1500 l drum	2			2		VSM-300				Rig
BARACOR 100		55 gal drum	4			4		VSM-300				Surveys
BARA-DEFOAM W300		5 gal can	17			17		VSM-300				Fishing
BARAZAN D PLUS		25 kg bag	42			42						Run Casing
barite		1000 kg bulk	167.000	9.000		176.000						Coring
BAROFIBRE FINE		25 lb bag	50			50						Reaming
bentonite		1000 kg bulk	21.000	13.000		34.000		Hydrocyclone	Cones	Screens	Hrs	Testing
calcium chloride flake 77%		25 kg bag	41			41		D 16	16 4			Logging
caustic soda		25 kg pail	46			46						Dir Work
Circal 60/16		25 kg sack	48			48						Repair
Circal Y		25 kg sack	49			49						Other
citric acid		25 kg bag	37			37		Centrifuge	Speed	Feed Rate	Hrs	Total
CON DET		5 gal can	32			32		Centrifuge	3,000	40.00		Rotating
CON DET		55 gal drum	8			8		Centrifuge	3,000	40.00		ROP
DEXTRID LTE		25 kg sack	22			22						Dil Rate
EZ SPOT		55 gal drum	8			8						0.00
EZ-MUD		25 kg pail	96			96						
EZ-MUD DP		25 kg bag	14			14						
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000		Annulus	Base			Fluid Dumped
Kwikseal Fine		40 lb bag	38			38		Pipe Cap	Drill Water			Transferred
lime		25 kg bag	72			72		Active Pits	Dewatering			SCE
N-DRIL HT PLUS		50 lb bag	55			55		Total Hole	Sea Water			Evaporation
NO-SULF		17 kg pail	48			48		Total Circ	Whole Mud			Trips
Omyacarb 5		25 kg bulk	33.000			33.000		Reserve	Barite			Other
PAC-L		25 kg bag	55			55		Prev Vol	383.0	Chemicals		Total Surface
potassium chloride		1000 kg bag	10			10		Net Change	-53.6	Other		Downhole
								Total Vol	329.4	Total		Total Losses
												-53.6
Daily Products Cost		\$0.00	Total Daily Cost				\$2,500.00	Fluid Types		Vol bbl	Deviation Information	
Cumulative Products Cost		\$10,469.98	Total Cumulative Cost				\$20,469.98	Old Mud	15.0	Survey MD	m	
Baroid Representatives		Eugene Edwards		Tim Waldhuter				Potassium Chloride brine	885.0	Survey TVD	m	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555		PHG Mud	1185.0	Angle	Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction	m	
										Horiz Displ.	m	

Daily Drilling Fluid Report

Date		05/30/2008		Depth		650.0 m							
Spud Date		05/27/2008		Rig Activity		Drilling							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	17.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	SMITH/XR+C	Drill Pipe	5.500	4.675	446.4	30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets	3x22 1x18	Drill Pipe	5.500	3.250	112.9				Strokes in	14.000	14.000	14.000	
TFA	1.362 sq-in	Drill Collar	8.250	2.813	57.3				Eff(%)	97	97	97	
Jets Velocity	58.7 m/sec	Drill Collar	9.500	3.000	33.4				bbl/stk	0.139	0.139	0.139	
Jet Impact Force	693.9 lbf							SPM	70	70	0		
Bit HHSI	0.56 hhp/in2							gpm bbl/min	410 9.75	410 9.75			
Press Drop @ Bit	281 psi							Total GPM	819	AV, Riser	Circ Press psi	1890	
Bit Depth	650.0 m	Open Hole	17.500	522.0				Total Circ Time	49	AV min DP	8.1	Tot Pres Loss	780
ECD @ Csg Shoe	8.60 ppg							BU Time, min	34	AV max DC	28.3	Press Drop DP	421
ECD @ Bit	8.80 ppg							Total Strokes	6,876	BU Strokes	4,713	Press Drop An	33
Properties		Hyd 1	2	3	4	Targets	Program	Fluid Treatments					
Source	Pit #8	Pit #8					Fluid Type				Seawater		
Time	23:59	3:00					Continue to pre-hydrate PHB.						
Depth	m	650	132					Cut back with 30-40% Sea water added 0.15 ppb					
FL Temp	Deq C					Lime prior to pumping sweeps as required for							
Density @ Deq C	ppq	8.50 @ 25	8.50 @ 25					hole cleaning. Returns to sea-bed.					
FV @ Deq C	sec/qt	183 @ 25	200 @ 25										
PV @ Deq C	cP	19 @ 25	20 @ 25										
YP	lbs/100 ft2	70	70										
GELS	lbs/100 ft2	50/60/65	55/60/70					40/40/- 100/100/-					
600/300		108.0/89.0	110.0/90.0										
200/100		83.0/72.0	85.0/75.0										
6/3		50.0/47.0	55.0/52.0										
API Filt	ml/30 min												
HTHP @ Deq C	ml/30 min												
Cake API/HTHP	32nd in												
Corr Solid	% by Vol	0.7	0.7										
NAP/Water	% by Vol	-99.0	-99.0										
Sand	% by vol												
MBT	ppb Eq.	38.0	40.0					Rig Activity					
pH @ Deq C		9.00 @ 25	9.00 @ 25					Continue to make up stands of drill pipe and rack					
ALK Mud	Pm									back in derrick. Make up 17 1/2" BHA and RIH to			
ALK Filt	Pf/Mf									132m. Drill 17 1/2" hole from 132m to 650m,			
Chlorides	mg/l	800	800					pumping 50bbl high vis every stand. Survey					
Tot. Hardness	mg/l									every 3rd stand.			
LGS/HGS	% by Vol	0.2/0.5	0.2/0.5										
LGS/HGS	ppb	1.69/8.01	1.69/8.01										
ASG	SG	3.793	3.793										
Additional Properties													
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300					Circulating
bentonite		1000 kg bulk	34.000		12.000	22.000	\$5,938.56	VSM-300					Trips
caustic soda		25 kg pail	46		1	45	\$44.19	VSM-300					Rig
calcium chloride flake 77%		25 kg bag	41		2	39	\$27.64	VSM-300					Surveys
soda ash		25 kg bag	39		2	37	\$26.50	VSM-300					Fishing
lime		25 kg bag	72		2	70	\$13.10						Run Casing
ALDACIDE G		5 gal can	25			25							Coring
Amodrill 1235		1500 l drum	2			2							Reaming
BARACOR 100		55 gal drum	4			4		Hydrocyclone		Screens		Hrs	Testing
BARA-DEFOAM W300		5 gal can	17			17		D 16		16 4			Logging
BARAZAN D PLUS		25 kg bag	42			42							Dir Work
barite		1000 kg bulk	176.000			176.000							Repair
BAROFIBRE FINE		25 lb bag	50			50							Other
Circal 60/16		25 kg sack	48			48		Centrifuge		Speed		Feed Rate	Hrs
Circal Y		25 kg sack	49			49		3,000		40.00			Total
citric acid		25 kg bag	37			37		Centrifuge		3,000		40.00	Rotating
CON DET		5 gal can	32			32							ROP
CON DET		55 gal drum	8			8							Dil Rate
DEXTRID LTE		25 kg sack	22			22							0.00
EZ SPOT		55 gal drum	8			8							
EZ-MUD		25 kg pail	96			96		Active		bbl		Additions	bbl
EZ-MUD DP		25 kg bag	14			14		Annulus		656.7		Base	Fluid Dumped
guar gum		25 kg bag		70		70		Pipe Cap		37.4		Drill Water	Transferred
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000		Active Pits		264.0		Dewatering	SCE
Kwikseal Fine		40 lb bag	38			38		Total Hole		694.2		Sea Water	494.2
N-DRIL HT PLUS		50 lb bag	55			55		Total Circ		958.2		Whole Mud	Trips
NO-SULF		17 kg pail	48			48		Reserve				Barite	Other
Omyacarb 5		25 kg bulk	33.000			33.000		Prev Vol		371.9		Chemicals	Total Surface
								Net Change		494.2		Other	Downhole
								Total Vol		958.2		Total	494.2
													Total Losses
Daily Products Cost		\$6,049.99	Total Daily Cost				\$8,549.99	Fluid Types		Vol bbl	Deviation Information		
Cumulative Products Cost		\$16,519.97	Total Cumulative Cost				\$29,019.97	PHG Mud		1330.0	Survey MD	520.0 m	
Baroid Representatives		Eugene Edwards		Tim Waldhuter				Potassium Chloride brine		885.0	Survey TVD	520.0 m	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555					Angle	0.26 Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445					Direction	307	
											Horiz Displ.	m	

Daily Drilling Fluid Report

Date	05/31/2008	Depth	755.0 m
Spud Date	05/27/2008	Rig Activity	Tripping

Operator NEXUS ENERGY		Report For Bill Openshaw/Stefan Schmidt		Well Name Garfish -1	
Contractor Seadrill		Report For Micheal Barry		Rig Name West Triton	
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait	
Field or Block VIC P29		Unit System Nexus Energy			
Bit Information		Drill String (in / (m))		in Casing m	
Bit Size	in	OD	ID	Length	
Make/Type		30.000 @		128.0	
Jets					
TFA	sq-in				
Jets Velocity	m/sec				
Jet Impact Force	lbf				
Bit HHSI	hhp/in2				
Press Drop @ Bit	psi				
Bit Depth	m	Open Hole	17.500	627.0	
ECD @ Csg Shoe	ppg				
ECD @ Bit	ppg				

Properties	1	2	3	4	Targets	Program	Fluid Treatments
Source	Pit #8	Pit #8					Fluid Type PHG Mud
Time	4:30	20:00					Continue to pump 50bbl high vis PHB sweeps each stand. Pump 150bbl high vis PHB sweep at TD, circ hole clean and displace well to PHB mud.
Depth	m	755	755				
FL Temp	Deq C						
Density @ Deq C	ppq	8.50 @ 25	8.50 @ 25		X X	9.50 11.00	
FV @ Deq C	sec/qt	183 @ 25	183 @ 25				
PV @ Deq C	cP	20 @ 25	20 @ 25				
YP	lbs/100 ft2	68	68		X X	20 30	When back on bottom from wiper trip a 150bbl high vis PHB sweep was pumped and circulated out with seawater. The hole was then displaced to PHB/KCl mud to aid hole inhibition while tripping and running casing.
GELS	lbs/100 ft2	50/60/65	50/60/65				
600/300		108.0/88.0	108.0/88.0				
200/100		75.0/70.0	75.0/70.0				
6/3		51.0/48.0	51.0/48.0				
API Filt	ml/30 min						
HTHP @ Deq C	ml/30 min						
Cake API/HTHP	32nd in						
Corr Solid	% by Vol	0.7	0.7				
NAP/Water	% by Vol	-99.0	-99.0				
Sand	% by vol						
MBT	ppb Eq.	38.0	38.0		X X	15.0	Rig Activity
pH @ Deq C		9.00 @ 25	9.00 @ 25			8.50 9.50	Continue drilling 17 1/2" hole from 650m to 755m. Pump 150bbl high vis sweep and circ hole clean. Displace hole to PHB mud. POOH to 118m for wiper trip. RIH to 721m. Wash and light ream from 721m to 755m. Pump high vis and displace well to inhibitive mud. POOH to run casing.
ALK Mud	Pm						
ALK Filt	Pf/Mf						
Chlorides	mg/l	800	800				
Tot. Hardness	mg/l						
LGS/HGS	% by Vol	0.2/0.5	0.2/0.5				
LGS/HGS	ppb	1.69/8.01	1.69/8.01			35.00/-	
ASG	SG	3.793	3.793				

Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time			
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling 4.5		
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating 2.0		
lime	25 kg bag	70		3	67	\$19.65	VSM-300					Trips 17.5		
ALDACIDE G	5 gal can	25			25		VSM-300					Rig		
Amodrill 1235	1500 l drum	2			2		VSM-300					Surveys		
BARACOR 100	55 gal drum	4			4							Fishing		
BARA-DEFOAM W300	5 gal can	17			17							Run Casing		
BARAZAN D PLUS	25 kg bag	42			42							Coring		
barite	1000 kg bulk	176.000			176.000							Reaming		
BAROFIBRE FINE	25 lb bag	50			50		Hydrocyclone		Cones		Screens	Hrs	Testing	
barite	1000 kg bulk	22.000			22.000		D 16		16 4				Logging	
calcium chloride flake 77%	25 kg bag	39			39								Dir Work	
caustic soda	25 kg pail	45			45								Repair	
Circal 60/16	25 kg sack	48			48								Other	
Circal Y	25 kg sack	49			49		Centrifuge		Speed		Feed Rate	Hrs	Total 24.0	
citric acid	25 kg bag	37			37		Centrifuge		3,000		40.00		Rotating 4.5	
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00		ROP 23.3	
CON DET	55 gal drum	8			8								Dil Rate 0.00	
DEXTRID LTE	25 kg sack	22			22		Fluid Volume Breakdown				PHG Mud			
EZ SPOT	55 gal drum	8			8		Active		bbl		Additions	bbl	Losses	bbl
EZ-MUD	25 kg pail	96			96		Annulus				Base		Fluid Dumped	-435.5
EZ-MUD DP	25 kg bag	14			14		Pipe Cap				Drill Water	100.0	Transferred	
guar gum	25 kg bag	70			70		Active Pits		286.0		Dewatering		SCE	-42.5
KCL Tech Grade (bulk)	1000 kg bulk	11.000			11.000		Total Hole		789.4		Sea Water	200.0	Evaporation	
Kwikseal Fine	40 lb bag	38			38		Total Circ		286.0		Whole Mud	167.0	Trips	
N-DRIL HT PLUS	50 lb bag	55			55		Reserve				Barite		Other	
NO-SULF	17 kg pail	48			48		Prev Vol		1330.0		Chemicals	0.2	Total Surface	-529.8
Omycarb 5	25 kg bulk	33.000			33.000		Net Change		-540.6		Other		Downhole	
PAC-L	25 kg bag	55			55		Total Vol		1075.4		Total	467.2	Total Losses	-1007.8
Daily Products Cost \$19.65 Total Daily Cost \$2,519.65							Fluid Types		Vol bbl		Deviation Information			
Cumulative Products Cost \$16,539.62 Total Cumulative Cost \$31,539.62							Potassium Chloride brine		718.0		Survey MD		520.0 m	
Baroid Representatives Eugene Edwards Tim Waldhuter							Seawater		286.0		Survey TVD		520.0 m	
Office 90 Talinga Rd Melbourne Telephone 61-03-9581-7555											Angle		0.26 Deg	
Warehouse c/o of Esso Australia Ltd Telephone 61-3-56-881-445											Direction		307	
											Horiz Displ.		m	

Daily Drilling Fluid Report

Date		06/02/2008		Depth		755.0 m							
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time, min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8	Pit #8					Fluid Type					
Time		20:00	23:59					Continue to mix KCl/Polymer/Clayseal mud for 8					
Depth	m	755	755					1/2" hole section. Mud check for new					
FL Temp	Deq C							KCl/Polymer/Clayseal mud.					
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25										
FV @ Deq C	sec/qt	58 @ 25	58 @ 25										
PV @ Deq C	cP	15 @ 25	15 @ 25										
YP	lbs/100 ft2	27	27										
GELS	lbs/100 ft2	9/12/15	9/12/15										
600/300		57.0/42.0	57.0/42.0										
200/100		35.0/25.0	35.0/25.0										
6/3		12.0/10.0	12.0/10.0										
API Filt	ml/30 min	6.0	6.0										
HTHP @ Deq C	ml/30 min												
Cake API/HTHP	32nd in	1/-	1/-										
Corr Solid	% by Vol	2.8	2.8										
NAP/Water	% by Vol	-93.5	-93.5										
Sand	% by vol												
MBT	ppb Eq.	4.0						Rig Activity					
pH @ Deq C		9.50 @ 25	9.50 @ 25					Cement 13 3/8" casing as per program. POOH 5					
ALK Mud	Pm	0.50	0.50					1/2" inner string. WOC. Rig up and run high					
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20					pressure riser. Stop work and hold safety					
Chlorides	mg/l	45,000	45,000					meeting. Continue running high pressure riser.					
Tot. Hardness	mg/l	200	200										
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4										
LGS/HGS	ppb	3.64/35.32	3.64/35.32										
ASG	SG	3.971	3.971										
Additional Properties													
KCL %	% by vol	9.0	9.0										
KCL mg/l	mg/l	95,150	95,150										
Potassium Ion	mg/l	49,875	49,875										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300					Circulating
CLAYSEAL PLUS		216 kg drum	51		14	37	\$13,392.96	VSM-300					Trips
barite		1000 kg bulk	176.000		23.790	152.210	\$11,297.40	VSM-300					Rig
KCL Tech Grade (bulk)		1000 kg bulk	35.000		9.000	26.000	\$6,759.00	VSM-300					Surveys
potassium chloride		1000 kg bag	8		8		\$4,808.00	VSM-300					Fishing
BARAZAN D PLUS		25 kg bag	177		26	151	\$3,958.24						Run Casing
PAC-L		25 kg bag	100		18	82	\$1,473.66						5.0
DEXTRID LTE		25 kg sack	148		36	112	\$1,460.16						Coring
EZ-MUD		25 kg pail	206		12	194	\$1,029.96						Reaming
caustic soda		25 kg pail	39		4	35	\$176.76	Hydrocyclone		Screens		Hrs	Testing
ALDACIDE G		5 gal can	22		2	20	\$139.80	D 16		16 4			Logging
Amodrill 1235		1500 l drum	2		2								Dir Work
BARACOR 100		55 gal drum	4		4								Repair
BARA-DEFOAM W300		5 gal can	17		17								Other
BAROFIBRE FINE		25 lb bag	50		50			Centrifuge		Speed		Hrs	19.0
bentonite		1000 kg bulk	22.000	29.570		51.570		3,000		40.00			Total
calcium chloride flake 77%		25 kg bag	39		39			Centrifuge		3,000		40.00	24.0
CircaI 60/16		25 kg sack	334		334								Rotating
CircaI Y		25 kg sack	477		477								ROP
citric acid		25 kg bag	37		37								Dil Rate
CON DET		5 gal can	32		32								0.00
CON DET		55 gal drum	8		8								
EZ SPOT		55 gal drum	8		8								
EZ-MUD DP		25 kg bag	14		14								
guar gum		25 kg bag	70		70								
Kwikseal Fine		40 lb bag	38		38								
lime		25 kg bag	67		67								
N-DRIL HT PLUS		50 lb bag	55		55								
Daily Products Cost		\$44,495.94	Total Daily Cost		\$46,995.94	Fluid Types		Vol bbl		Deviation Information			
Cumulative Products Cost		\$103,696.87	Total Cumulative Cost		\$123,696.87	Potassium Chloride brine		300.0		Survey MD		520.0 m	
Baroid Representatives		Eugene Edwards		Tim Waldhuter		KCl/Polymer		2471.0		Survey TVD		520.0 m	
Office		90 Talinga Rd Melbourne		Telephone		Seawater		241.0		Angle		0.26 Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone						Direction		307	
										Horiz Displ.		m	

Daily Drilling Fluid Report

Date		06/03/2008		Depth		755.0 m							
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500		
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time , min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8	Pit #8					Fluid Type					
Time		3:00	20:00					Continue to circulate new KCl/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA.					
Depth	m	755	755										
FL Temp	Deq C												
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00					
FV @ Deq C	sec/qt	58 @ 25	58 @ 25										
PV @ Deq C	cP	15 @ 25	15 @ 25										
YP	lbs/100 ft2	27	27				20	30					
GELS	lbs/100 ft2	9/12/15	9/12/15										
600/300		57.0/42.0	57.0/42.0										
200/100		35.0/25.0	35.0/25.0										
6/3		12.0/10.0	12.0/10.0										
API Filt	ml/30 min	6.0	6.0					6.0					
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0					
Cake API/HTHP	32nd in	1/2	1/2										
Corr Solid	% by Vol	2.8	2.8										
NAP/Water	% by Vol	-93.5	-93.5										
Sand	% by vol												
MBT	ppb Eq.												
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50					
ALK Mud	Pm	0.50	0.50										
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20										
Chlorides	mg/l	45,000	45,000										
Tot. Hardness	mg/l	200	200					400					
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4										
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-					
ASG	SG	3.971	3.971										
Additional Properties													
KCL %	% by vol	9.0	9.0										
KCL mg/l	mg/l	95,150	95,150										
Clayseal	% by vol	2.0	2.0										
PHPA Concentration	ppb	1.00	1.00										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300				Circulating	
ALDACIDE G	5 gal can	20				20		VSM-300				Trips	
Amodrill 1235	1500 l drum	2				2		VSM-300				Rig	
BARACOR 100	55 gal drum	4				4		VSM-300				Surveys	
BARA-DEFOAM W300	5 gal can	17				17		VSM-300				Fishing	
BARAZAN D PLUS	25 kg bag	151				151						Run Casing	
barite	1000 kg bulk	152.210				152.210						Coring	
BAROFIBRE FINE	25 lb bag	50				50						Reaming	
bentonite	1000 kg bulk	51.570				51.570		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39				39		D 16	16 4			Logging	
caustic soda	25 kg pail	35				35						Dir Work	
CircaI 60/16	25 kg sack	334				334						Repair	
CircaI Y	25 kg sack	477				477						Other	
citric acid	25 kg bag	37				37						Total	
CLAYSEAL PLUS	216 kg drum	37				37		Centrifuge	Speed	Feed Rate	Hrs	24.0	
CON DET	5 gal can	32				32		3,000	40.00			24.0	
CON DET	55 gal drum	8				8		Centrifuge	3,000	40.00		Rotating	
DEXTRID LTE	25 kg sack	112				112						ROP	
EZ SPOT	55 gal drum	8				8						Dil Rate	
EZ-MUD	25 kg pail	194				194		Fluid Volume Breakdown				0.00	
EZ-MUD DP	25 kg bag	14				14		Active	bbl	Additions	bbl	Losses	bbl
guar gum	25 kg bag	70				70		Annulus		Base		Fluid Dumped	
KCL Tech Grade (bulk)	1000 kg bulk	26.000				26.000		Pipe Cap		Drill Water		Transferred	
Kwikseal Fine	40 lb bag	38				38		Active Pits		Dewatering		SCE	
lime	25 kg bag	67				67		Total Hole		Sea Water		Evaporation	
N-DRIL HT PLUS	50 lb bag	55				55		Total Circ		Whole Mud		Trips	
NO-SULF	17 kg pail	48				48		Reserve		Barite		Other	
Omyacarb 5	25 kg bulk	33.000				33.000		Prev Vol		Chemicals		Total Surface	
								Net Change		Other		Downhole	
								Total Vol	3012.0	Total		Total Losses	
Daily Products Cost		\$0.00	Total Daily Cost			\$2,500.00	Fluid Types		Vol bbl	Deviation Information			
Cumulative Products Cost	\$103,696.87	Total Cumulative Cost			\$126,196.87	KCl/Polymer	2471.0	Survey MD	520.0 m				
Baroid Representatives	Eugene Edwards	Tim Waldhuter				Potassium Chloride brine	300.0	Survey TVD	520.0 m				
Office	90 Talinga Rd Melbourne	Telephone			61-03-9581-7555	Seawater	241.0	Angle	0.26 Deg				
Warehouse	c/o of Esso Australia Ltd	Telephone			61-3-56-881-445			Direction	307				
								Horiz Displ.	m				

Daily Drilling Fluid Report

Date		06/04/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500	
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time , min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #8	Pit #8					Fluid Type				
Time		3:00	20:00					Continue shearing new KCl/Polymer/Clayseal mud with mix pumps.				
Depth	m	755	755									
FL Temp	Deq C											
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00				
FV @ Deq C	sec/qt	58 @ 25	57 @ 25									
PV @ Deq C	cP	15 @ 25	15 @ 25									
YP	lbs/100 ft2	27	27				20	30				
GELS	lbs/100 ft2	9/12/15	9/12/15									
600/300		57.0/42.0	57.0/42.0									
200/100		35.0/25.0	35.0/25.0									
6/3		11.0/9.0	11.0/9.0									
API Filt	ml/30 min	6.0	6.0					6.0				
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0				
Cake API/HTHP	32nd in	1/2	1/2									
Corr Solid	% by Vol	2.8	2.8									
NAP/Water	% by Vol	-93.5	-93.5									
Sand	% by vol											
MBT	ppb Eq.											
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50				
ALK Mud	Pm	0.50	0.50									
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20									
Chlorides	mg/l	45,000	45,000									
Tot. Hardness	mg/l	200	200					400				
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4									
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-				
ASG	SG	3.971	3.971									
Additional Properties												
KCL %	% by vol	9.0	9.0									
KCL mg/l	mg/l	95,150	95,150									
Clayseal	% by vol	2.0	2.0									
PHPA Concentration	ppb	1.00	1.00									
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300				Circulating	
ALDACIDE G	5 gal can	20			20		VSM-300				Trips	
Amodrill 1235	1500 l drum	2			2		VSM-300				Rig	
BARACOR 100	55 gal drum	4			4		VSM-300				Surveys	
BARA-DEFOAM W300	5 gal can	17			17		VSM-300				Fishing	
BARAZAN D PLUS	25 kg bag	151			151						Run Casing	
barite	1000 kg bulk	152.210			152.210						Coring	
BAROFIBRE FINE	25 lb bag	50			50						Reaming	
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39			39		D 16	16 4			Logging	
caustic soda	25 kg pail	35			35						Dir Work	
Circal 60/16	25 kg sack	334			334						Repair	
Circal Y	25 kg sack	477			477						Other	
citric acid	25 kg bag	37			37						Total	
CLAYSEAL PLUS	216 kg drum	37			37		Centrifuge	Speed	Feed Rate	Hrs	24.0	
CON DET	5 gal can	32			32		Centrifuge	3,000	40.00		24.0	
CON DET	55 gal drum	8			8		Centrifuge	3,000	40.00		Rotating	
DEXTRID LTE	25 kg sack	112			112		Fluid Volume Breakdown				Dil Rate	
EZ SPOT	55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD	25 kg pail	194			194		Annulus		Base		Fluid Dumped	
EZ-MUD DP	25 kg bag	14			14		Pipe Cap		Drill Water		Transferred	
guar gum	25 kg bag	70			70		Active Pits		Dewatering		SCE	
KCL Tech Grade (bulk)	1000 kg bulk	26.000			26.000		Total Hole		Sea Water		Evaporation	
Kwikseal Fine	40 lb bag	38			38		Total Circ		Whole Mud		Trips	
lime	25 kg bag	67			67		Reserve		Barite		Other	
N-DRIL HT PLUS	50 lb bag	55			55		Prev Vol		Chemicals		Total Surface	
NO-SULF	17 kg pail	48			48		Net Change		Other		Downhole	
Omyacarb 5	25 kg bulk	33.000			33.000		Total Vol	3125.0	Total		Total Losses	
Daily Products Cost		\$0.00	Total Daily Cost		\$2,500.00	Fluid Types		Vol bbl	Deviation Information			
Cumulative Products Cost		\$103,696.87	Total Cumulative Cost		\$128,696.87	KCl/Polymer		2458.0	Survey MD		520.0 m	
Baroid Representatives		Eugene Edwards	Tim Waldhuter			Potassium Chloride brine		300.0	Survey TVD		520.0 m	
Office		90 Talinga Rd Melbourne	Telephone		61-03-9581-7555	Seawater		367.0	Angle		0.26 Deg	
Warehouse		c/o of Esso Australia Ltd	Telephone		61-3-56-881-445				Direction		307	
									Horiz Displ.		m	

Daily Drilling Fluid Report

Date		06/05/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Tripping						
Operator NEXUS ENERGY		Report For Bill Openshaw/Stefan Schmidt		Well Name Garfish -1								
Contractor Seadrill		Report For Micheal Barry		Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000 @		128.0	Bore in	6.500	6.500	6.500	
Jets					13.375 @		746.5	Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time, min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #6	Pit #6					Fluid Type KCI/Polymer				
Time		3:00	20:00					Continue shearing new KCI/Polymer/Clayseal mud through mix pumps to aid shearing PHPA.				
Depth	m	755	755					Displace well to KCI/Polymer/Clayseal mud when drilling cement and shoe track. Treat mud with Citric Acid and Sodium Bicarbonate while drilling out cement.				
FL Temp	Deq C											
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00				
FV @ Deq C	sec/qt	57 @ 25	57 @ 25									
PV @ Deq C	cP	15 @ 25	15 @ 25									
YP	lbs/100 ft2	27	27				20	30				
GELS	lbs/100 ft2	9/12/15	9/12/15									
600/300		57.0/42.0	57.0/42.0									
200/100		35.0/25.0	35.0/25.0									
6/3		11.0/9.0	11.0/9.0									
API Filt	ml/30 min	6.0	6.0					6.0				
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0				
Cake API/HTHP	32nd in	1/2	1/2									
Corr Solid	% by Vol	2.8	2.8									
NAP/Water	% by Vol	-93.5	-93.5									
Sand	% by vol											
MBT	ppb Eq.								Rig Activity			
pH @ Deq C		9.50 @ 25	9.50 @ 25					8.50	9.50	Make up 12 1/4" BHA and RIH. Drill cement and shoe track. Displace to KCI/Polymer mud.		
ALK Mud	Pm	0.50	0.50							Conduct LOT, 1020psi, EMW 17.39 ppg. POOH and lay out 12 1/4" BHA. Make up 8 1/2" BHA and RIH.		
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20									
Chlorides	mg/l	45,000	45,000									
Tot. Hardness	mg/l	200	200					400				
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4									
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-				
ASG	SG	3.971	3.971									
Additional Properties												
KCL %	% by vol	9.0	9.0									
KCL mg/l	mg/l	95,150	95,150									
Clayseal	% by vol	2.0	2.0									
PHPA Concentration	ppb	1.00	1.00									
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	0.5
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300	89		2.0	Circulating	0.5
citric acid	25 kg bag	37		4	33	\$184.96	VSM-300	89		2.0	Trips	22.5
sodium bicarbonate	25 kg bag	36		4	32	\$50.20	VSM-300	89		2.0	Rig	
ALDACIDE G	5 gal can	20			20		VSM-300	89		2.0	Surveys	
Amodrill 1235	1500 l drum	2			2		VSM-300				Fishing	
BARACOR 100	55 gal drum	4			4						Run Casing	
BARA-DEFOAM W300	5 gal can	17			17						Coring	
BARAZAN D PLUS	25 kg bag	151			151						Reaming	
barite	1000 kg bulk	152.210			152.210		Hydrocyclone	Cones	Screens	Hrs	Testing	
BAROFIBRE FINE	25 lb bag	50			50		D 16	16 4			Logging	
bentonite	1000 kg bulk	51.570			51.570						Dir Work	
calcium chloride flake 77%	25 kg bag	39			39						Repair	
caustic soda	25 kg pail	35			35						Other	0.5
Circal 60/16	25 kg sack	334			334		Centrifuge	Speed	Feed Rate	Hrs	Total	24.0
Circal Y	25 kg sack	477			477			3,000	40.00		Rotating	0.5
CLAYSEAL PLUS	216 kg drum	37			37		Centrifuge	3,000	40.00		ROP	
CON DET	5 gal can	32			32						Dil Rate	0.00
CON DET	55 gal drum	8			8		Fluid Volume Breakdown					
DEXTRID LTE	25 kg sack	112			112		Active	bbl	Additions	bbl	Losses	bbl
EZ SPOT	55 gal drum	8			8		Annulus		Base		Fluid Dumped	
EZ-MUD	25 kg pail	194			194		Pipe Cap		Drill Water		Transferred	
EZ-MUD DP	25 kg bag	14			14		Active Pits	510.0	Dewatering		SCE	-58.2
guar gum	25 kg bag	70			70		Total Hole	418.5	Sea Water		Evaporation	
KCL Tech Grade (bulk)	1000 kg bulk	26.000			26.000		Total Circ	510.0	Whole Mud		Trips	
Kwikseal Fine	40 lb bag	38			38		Reserve	1472.0	Barite		Other	
lime	25 kg bag	67			67		Prev Vol	3125.0	Chemicals	0.7	Total Surface	
N-DRIL HT PLUS	50 lb bag	55			55		Net Change	-57.5	Other		Downhole	
NO-SULF	17 kg pail	48			48		Total Vol	2400.5	Total	0.7	Total Losses	-58.2
Daily Products Cost		\$235.16	Total Daily Cost		\$2,735.16	Fluid Types		Vol bbl		Deviation Information		
Cumulative Products Cost		\$103,932.03	Total Cumulative Cost		\$131,432.03	Potassium Chloride brine		300.0		Survey MD		520.0 m
Baroid Representatives		Eugene Edwards		Tim Waldhuter		Seawater		367.0		Survey TVD		520.0 m
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle		0.26 Deg
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction		307
										Horiz Displ.		m

Daily Drilling Fluid Report

Date		06/06/2008		Depth		1,365.0 m							
Spud Date		05/27/2008		Rig Activity		Drilling							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	1,173.7	30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	0.905 sq-in	Other	6.500	0.000	11.7				Eff(%)	97	97	97	
Jets Velocity	112.3 m/sec	Drill Pipe	5.500	3.250	56.4				bbl/stk	0.139	0.139	0.139	
Jet Impact Force	1926.5 lbf	Drill Collar	6.563	2.813	76.2				SPM	89	89	0	
Bit HHSI	12.59 hhp/in2								gpm bbl/min	521	12.40	521	
Press Drop @ Bit	1175 psi	Open Hole	8.800		618.5				Total GPM	1,042	AV, Riser	Circ Press psi	2305
Bit Depth	1,365.0 m								Total Circ Time	43	AV min DP	Tot Pres Loss	4772
ECD @ Csg Shoe	9.88 ppg								BU Time, min	18	AV max DC	Press Drop DP	3387
ECD @ Bit	10.32 ppg								Total Strokes	7,589	BU Strokes	Press Drop An	145
Properties		1	2	3	Hyd 4	Targets		Program		Fluid Treatments			
Source	Pit #6	Pit #6	Pit #6	Flow Line						Fluid Type KCI/Polymer			
Time	3:00	10:30	16:30	23:59						Some cement contamination.			
Depth	m	758	903	1,111	1,364					Treated active with Citric Acid to lower pH and added Barazan to restore low end rheology.			
FL Temp	Deq C		34	36	37					Adding EZ Mud to increase PHPA concentration.			
Density @ Deq C	ppq	9.50 @ 25	9.50 @ 25	9.60 @ 25	9.70 @ 32			9.50	11.00	Added Aldacide-G to active to maintain concentration. Adding unweighted			
FV @ Deq C	sec/qt	55 @ 25	46 @ 25	56 @ 25	55 @ 32					KCI/Polymer/Clayseal to active as required to maintain volume and dilution. Dump sand trap to prevent solids build up and upgrade shaker screens to aid in solids control.			
PV @ Deq C	cP	10 @ 25	13 @ 25	18 @ 25	12 @ 32								
YP	lbs/100 ft2	23	26	33	26			X	20	30			
GELS	lbs/100 ft2	9/12/15	9/18/22	14/20/23	10/17/19								
600/300		43.0/33.0	52.0/39.0	69.0/51.0	50.0/38.0								
200/100		35.0/25.0	32.0/24.0	45.0/35.0	33.0/25.0								
6/3		10.0/8.0	10.0/8.0	15.0/13.0	12.0/10.0								
API Filt	ml/30 min	6.0	5.5	5.5	5.3					6.0			
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.2 @ 41	8.2 @ 41	8.0 @ 41					12.0			
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2								
Corr Solid	% by Vol	2.7	4.8	4.8	4.8								
NAP/Water	% by Vol	-93.8	-92.0	-92.0	-92.0								
Sand	% by vol		0.50	0.75	0.75								
MBT	ppb Eq.		2.5	2.5	5.0					15.0	Rig Activity		
pH @ Deq C		10.00 @ 25	10.00 @ 25	9.50 @ 25	9.50 @ 25	X	X		8.50	9.50	Continue to RIH. Drill 8 1/2" hole from 758m to 1365m with surveys every 3 stands.		
ALK Mud	Pm	0.60	0.40	0.40	0.30								
ALK Filt	Pf/Mf	0.50/1.60	0.20/1.20	0.20/1.20	0.22/1.50								
Chlorides	mg/l	42,000	40,000	40,000	40,000								
Tot. Hardness	mg/l	400	600	600	600	X	X	X		400			
LGS/HGS	% by Vol	0.1/2.7	3.9/0.9	3.2/1.6	2.4/2.4								
LGS/HGS	ppb	0.59/39.45	35.67/12.71	28.84/23.73	22.02/34.76	*				35.00/-			
ASG	SG	4.162	2.889	3.140	3.391								
Additional Properties													
KCL %	% by vol	8.5	8.0	8.0	8.0								
KCL mg/l	mg/l	89,575	88,500	88,500	88,500								
Clayseal	% by vol	2.0	2.0	2.0	2.0								
PHPA Concentration	ppb	1.00	1.10	1.30	1.40								
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	17.5
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300	145		17.5	Circulating	0.5
EZ-MUD	25 kg pail	194		26	168		\$2,231.58	VSM-300	145		17.5	Trips	6.0
BARAZAN D PLUS	25 kg bag	151		12	139		\$1,826.88	VSM-300	215		17.5	Rig	
barite	1000 kg bulk	152.210		3,200	149.010		\$1,519.62	VSM-300	255		17.5	Surveys	
citric acid	25 kg bag	33		12	21		\$554.88					Fishing	
ALDACIDE G	5 gal can	20		1	19		\$69.90					Run Casing	
Amodrill 1235	1500 l drum	2			2							Coring	
BARACOR 100	55 gal drum	4			4							Reaming	
BARA-DEFOAM W300	5 gal can	17			17							Testing	
BAROFIBRE FINE	25 lb bag	50			50							Logging	
bentonite	1000 kg bulk	51.570			51.570							Dir Work	
calcium chloride flake 77%	25 kg bag	39			39							Repair	
caustic soda	25 kg pail	35			35							Other	
Circal 60/16	25 kg sack	334			334							Total	24.0
Circal Y	25 kg sack	477			477							Rotating	17.5
CLAYSEAL PLUS	216 kg drum	37			37							ROP	34.9
CON DET	5 gal can	32			32							Dil Rate	0.00
CON DET	55 gal drum	8			8								
DEXTRID LTE	25 kg sack	112			112								
EZ SPOT	55 gal drum	8			8								
EZ-MUD DP	25 kg bag	14			14								
guar gum	25 kg bag	70			70								
KCL Tech Grade (bulk)	1000 kg bulk	26,000			26,000								
Kwikseal Fine	40 lb bag	38			38								
lime	25 kg bag	67			67								
N-DRIL HT PLUS	50 lb bag	55			55								
NO-SULF	17 kg pail	48			48								
Omyacarb 5	25 kg bulk	33,000			33,000								
Fluid Types		Vol	bbl	Deviation Information									
Daily Products Cost	\$6,202.86	Total Daily Cost	\$8,702.86	Potassium Chloride brine	330.0	Survey MD	1,333.0 m						
Cumulative Products Cost	\$110,134.88	Total Cumulative Cost	\$140,134.88			Survey TVD	1,333.0 m						
Baroid Representatives		Brian Auckram		Tim Waldhuter		Angle	0.43 Deg						
Office	90 Talinga Rd Melbourne	Telephone	61-03-9581-7555			Direction	19						
Warehouse	c/o of Esso Australia Ltd	Telephone	61-3-56-881-445			Horiz Displ.	0.1 m						

Daily Drilling Fluid Report

Date		06/07/2008		Depth		2,082.0 m								
Spud Date		05/27/2008		Rig Activity		Drilling								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	1,890.7	30.000 @	128.0	Bore in	6.500	6.500	6.500			
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375 @	746.5	Strokes in	14.000	14.000	14.000			
TFA	0.905 sq-in	Other	6.500	0.000	11.7			Eff(%)	97	97	97			
Jets Velocity	88.3 m/sec	Drill Pipe	5.500	3.250	56.4			bbl/stk	0.139	0.139	0.139			
Jet Impact Force	1240.9 lbf	Drill Collar	6.563	2.813	76.2			SPM	70	0	70			
Bit HHSI	6.38 hhp/in2							gpm/bbl/min	410 9.75		410 9.75			
Press Drop @ Bit	757 psi	Open Hole	8.800		1,335.5			Total GPM	819	AV, Riser	Circ Press psi 2640			
Bit Depth	2,082.0 m							Total Circ Time	60	AV min DP	Tot Pres Loss 5253			
ECD @ Csg Shoe	10.29 ppq							BU Time, min	29	AV max DC	Press Drop DP 4222			
ECD @ Bit	10.72 ppq							Total Strokes	8,456	BU Strokes	Press Drop An 221			
Properties		1	2	3	Hyd 4	Targets		Program		Fluid Treatments				
Source	Pit #6	Pit #6	Pit #6	Flow Line						Fluid Type	KCI/Polymer			
Time	17:00	5:15	11:20	22:00						Added 10ppb Calcium Carbonate to premix to maintain active concentration. Treated increased hardness by addition of Soda Ash to the active.				
Depth	m	1,962	1,556	1,764	2,000					Continue adding EZ Mud to active to maintain concentration and inhibition. Prepare further				
FL Temp	Deq C	48	37	42	49					450bbl KCI/Polymer/Clayseal premix, weighted to				
Density @ Deq C	ppq	10.00 @ 36	9.90 @ 32	9.90 @ 32	10.10 @ 42			9.50	11.00	9.5ppg for dilution volume. Added 10ppb Calcium Carbonate to active prior to 2000m to minimize potential seepage losses.				
FV @ Deq C	sec/qt	52 @ 36	55 @ 32	52 @ 32	57 @ 42					Dump sandtrap as required to prevent solids build up.				
PV @ Deq C	cP	17 @ 49	12 @ 49	17 @ 49	17 @ 49									
YP	lbs/100 ft2	29	27	33	29		X	20	30					
GELS	lbs/100 ft2	14/20/25	11/17/19	14/21/26	14/20/25									
600/300		63.0/46.0	51.0/39.0	67.0/50.0	63.0/46.0									
200/100		40.0/30.0	32.0/25.0	41.0/32.0	40.0/30.0									
6/3		14.0/12.0	12.0/10.0	15.0/13.0	14.0/12.0									
API Filt	ml/30 min	5.6	5.5	5.6	5.5				6.0					
HTHP @ Deq C	ml/30 min	8.0 @ 93	8.0 @ 93	8.0 @ 93	8.0 @ 93				12.0					
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2									
Corr Solid	% by Vol	7.9	5.8	8.9	7.9									
NAP/Water	% by Vol	-89.0	-91.0	-88.0	-89.0									
Sand	% by vol	0.75	1.00	0.75	1.00									
MBT	ppb Eq.	5.0	5.0	5.0	5.0				15.0	Rig Activity				
pH @ Deq C		9.00 @ 25	9.00 @ 25	9.00 @ 25	9.00 @ 25				8.50	9.50	Continue drilling 8 1/2" hole from 1365m to 2077m with surveys every 5 stands. Increased flow observed. Flow check, shut in well 0 psi. Continue drilling 8 1/2" hole from 2077m to 2082m.			
ALK Mud	Pm	0.20	0.30	0.20	0.20									
ALK Filt	Pf/Mf	0.10/1.10	0.20/1.60	0.20/1.20	0.20/1.30									
Chlorides	mg/l	40,000	40,000	40,000	40,000									
Tot. Hardness	mg/l	600	600	600	480	X	X	X	X	400				
LGS/HGS	% by Vol	6.3/1.6	3.0/2.9	9.1/-0.2	5.5/2.3									
LGS/HGS	ppb	57.24/23.57	26.93/42.05	82.63/-2.21	50.42/34.59	X	*	*		35.00/-				
ASG	SG	2.925	3.386	2.573	3.077									
Additional Properties														
KCL %	% by vol	8.0	8.0	8.0	8.0									
KCL mg/l	mg/l	88,500	88,500	88,500	88,500									
Clayseal	% by vol	2.0	2.0	2.0	2.0									
PHPA Concentration	ppb	1.50	1.40	1.40	1.70									
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling 24.0		
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300		255	24.0	Circulating		
CLAYSEAL PLUS	216 kg drum	37			7	30	\$6,696.48	VSM-300		255	24.0	Trips		
barite	1000 kg bulk	149.010			10.630	138.380	\$5,047.97	VSM-300		255	24.0	Rig		
KCL Tech Grade (bulk)	1000 kg bulk	26.000			6.000	20.000	\$4,506.00	VSM-300		255	24.0	Surveys		
EZ-MUD	25 kg pail	168			38	130	\$3,261.54					Fishing		
BARAZAN D PLUS	25 kg bag	139			17	122	\$2,588.08					Run Casing		
Circa Y	25 kg sack	477			143	334	\$1,830.40					Coring		
Circa 60/16	25 kg sack	334			143	191	\$1,448.59					Reaming		
PAC-L	25 kg bag	82			9	73	\$736.83	Hydrocyclone		Cones	Screens	Hrs	Testing	
DEXTRID LTE	25 kg sack	112			18	94	\$730.08	D 16		16	4		Logging	
soda ash	25 kg bag	37			18	19	\$238.50						Dir Work	
ALDACIDE G	5 gal can	19			3	16	\$209.70						Repair	
caustic soda	25 kg pail	35			2	33	\$88.38						Other	
Amodrill 1235	1500 l drum	2				2		Centrifuge		Speed	Feed Rate	Hrs	Total 24.0	
BARACOR 100	55 gal drum	4				4				3,000	40.00		Rotating 24.0	
BARA-DEFOAM W300	5 gal can	17				17		Centrifuge		3,000	40.00		ROP 29.9	
BAROFIBRE FINE	25 lb bag	50				50							Dil Rate 0.00	
bentonite	1000 kg bulk	51.570				51.570		Fluid Volume Breakdown						
calcium chloride flake 77%	25 kg bag	39				39		Active		bbl	Additions	bbl	Losses	bbl
citric acid	25 kg bag	21				21		Annulus		564.6	Base		Fluid Dumped	
CON DET	5 gal can	32				32		Pipe Cap		59.7	Drill Water	430.0	Transferred	
CON DET	55 gal drum	8				8		Active Pits		554.0	Dewatering		SCE -336.9	
EZ SPOT	55 gal drum	8				8		Total Hole		624.2	Sea Water		Evaporation	
EZ-MUD DP	25 kg bag	14				14		Total Circ		1178.2	Whole Mud		Trips	
guar gum	25 kg bag	70				70		Reserve		1240.0	Barite	15.9	Other	
Kwikseal Fine	40 lb bag	38				38		Prev Vol		2246.4	Chemicals	62.8	Total Surface	
lime	25 kg bag	67				67		Net Change		171.8	Other		Downhole	
N-DRIL HT PLUS	50 lb bag	55				55		Total Vol		2418.2	Total	508.7	Total Losses -336.9	
Daily Products Cost		\$27,382.55	Total Daily Cost		\$29,882.55	Fluid Types		Vol bbl		Deviation Information				
Cumulative Products Cost		\$137,517.44	Total Cumulative Cost		\$170,017.44	Potassium Chloride brine		330.0		Survey MD		2,040.0 m		
Baroid Representatives		Brian Auckram		Tim Waldhuter						Survey TVD		2,040.0 m		
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle		1.64 Deg		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction		351		
										Horiz Displ.		0.9 m		

Daily Drilling Fluid Report

Date		06/08/2008		Depth		2,352.0 m								
Spud Date		05/27/2008		Rig Activity		Drilling								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	2,160.7	30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	0.905 sq-in	Other	6.500	0.000	11.7				Eff(%)	97	97	97		
Jets Velocity	174.1 m/sec	Drill Pipe	5.500	3.250	56.4				bbl/stk	0.139	0.139	0.139		
Jet Impact Force	5252.5 lbf	Drill Collar	6.563	2.813	76.2				SPM	138	0	138		
Bit HHSI	53.21 hhp/in2								gpm/bbl/min	808	19.23	808	19.23	
Press Drop @ Bit	3204 psi	Open Hole	8.800		1,605.5				Total GPM	1,615	AV, Riser	Circ Press psi	2800	
Bit Depth	2,352.0 m								Total Circ Time	33	AV min DP	15.9	Tot Pres Loss	20489
ECD @ Csg Shoe	11.22 ppg								BU Time, min	16	AV max DC	351.0	Press Drop DP	16380
ECD @ Bit	12.81 ppg								Total Strokes	9,000	BU Strokes	4,368	Press Drop An	725
Properties		1	2	3	Hyd 4	Targets	Program	Fluid Treatments						
Source		Pit #6	Pit #6	Pit #6	Pit #6			Fluid Type			KCI/Polymer			
Time		4:30	14:00	21:30	23:59			Commence weighting system to 11.0ppg with Barite at 2100m.						
Depth	m	2,140	2,249	2,335	0			Added Circal 60/16 and Y to maintain concentrations respectively. Treated active with Soda Ash to maintain hardness within specification. Added Pac-L and Dextrid LT to active to maintain fluid loss. Continue to treat active with Aldacide-G every 12 hours to prevent bacterial degradation. Dumped sand traps as required to prevent solids build up.						
FL Temp	Deq C	49	51	51	51			Rig Activity						
Density @ Deq C	ppg	11.00 @ 37	11.00 @ 45	11.00 @ 45	11.00 @ 45		9.50	11.00	Continue drilling 8 1/2" hole from 2082m to 2352m with surveys.					
FV @ Deq C	sec/qt	51 @ 37	51 @ 45	51 @ 45	51 @ 45									
PV @ Deq C	cP	18 @ 49	17 @ 49	15 @ 49	15 @ 49									
YP	lbs/100 ft2	30	30	30	30		20	30						
GELS	lbs/100 ft2	11/22/27	13/22/26	12/25/-	12/25/-									
600/300		66.0/48.0	64.0/47.0	60.0/45.0	60.0/45.0									
200/100		40.0/30.0	40.0/30.0	36.0/27.0	36.0/27.0									
6/3		13.0/11.0	13.0/11.0	14.0/12.0	14.0/12.0									
API Filt	ml/30 min	5.6	5.6	6.0	6.0			6.0						
HTHP @ Deq C	ml/30 min	8.1 @ 93	12.0 @ 93	12.0 @ 93	12.0 @ 93			12.0						
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2									
Corr Solid	% by Vol	10.9	10.9	10.6	10.6									
NAP/Water	% by Vol	-86.0	-86.0	-86.0	-86.0									
Sand	% by vol	1.00	1.00	1.00	1.00									
MBT	ppb Eq.	10.0	7.5	7.5	7.5			15.0						
pH @ Deq C		8.50 @ 25	9.00 @ 25	9.00 @ 25	9.00 @ 25		8.50	9.50						
ALK Mud	Pm	0.10	0.10	0.10	0.10									
ALK Filt	Pf/Mf	0.12/1.50	0.10/1.10	0.10/1.10	0.10/1.10									
Chlorides	mg/l	41,000	41,000	45,000	45,000									
Tot. Hardness	mg/l	600	400	400	400	X		400						
LGS/HGS	% by Vol	4.8/6.1	4.8/6.1	4.5/6.1	4.5/6.1									
LGS/HGS	ppb	43.93/89.64	43.93/89.64	40.85/90.00	40.85/90.00	X * * *		35.00/-						
ASG	SG	3.493	3.493	3.523	3.523									
Additional Properties														
KCL %	% by vol	8.2	8.0	8.9	8.9									
KCL mg/l	mg/l	86,230	88,500	95,000	95,000									
Clayseal	% by vol	2.0	2.0	2.0	2.0									
PHPA Concentration	ppb	1.70	1.80	1.80	1.80									
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time			
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker			Drilling			
Drilling Fluids Engineer	day(s)				1		\$1,250.00	Screens			24.0			
barite	1000 kg bulk	138.380			28.740	109.640	\$13,648.05	VSM-300	255		24.0			
Circal Y	25 kg sack	334			48	286	\$614.40	VSM-300	255		24.0			
PAC-L	25 kg bag	73			6	67	\$491.22	VSM-300	255		24.0			
Circal 60/16	25 kg sack	191			48	143	\$486.24							
soda ash	25 kg bag	19			19		\$251.75							
DEXTRID LTE	25 kg sack	94			6	88	\$243.36							
ALDACIDE G	5 gal can	16			2	14	\$139.80							
Amodrill 1235	1500 l drum	2			2			Hydrocyclone	Cones	Screens	Hrs			
BARACOR 100	55 gal drum	4			4			D 16	16 4					
BARA-DEFOAM W300	5 gal can	17			17									
BARAZAN D PLUS	25 kg bag	122			122									
BAROFIBRE FINE	25 lb bag	50			50									
bentonite	1000 kg bulk	51.570			51.570			Centrifuge	Speed	Feed Rate	Hrs			
calcium chloride flake 77%	25 kg bag	39			39			3,000	40.00					
caustic soda	25 kg pail	33			33			3,000	40.00					
citric acid	25 kg bag	21			21									
CLAYSEAL PLUS	216 kg drum	30			30									
CON DET	5 gal can	32			32									
CON DET	55 gal drum	8			8									
EZ SPOT	55 gal drum	8			8									
EZ-MUD	25 kg pail	130			130									
EZ-MUD DP	25 kg bag	14			14									
guar gum	25 kg bag	70			70									
KCL Tech Grade (bulk)	1000 kg bulk	20,000			20,000									
Kwikseal Fine	40 lb bag	38			38									
lime	25 kg bag	67			67									
N-DRIL HT PLUS	50 lb bag	55			55									
Fluid Types		Vol	bbl	Deviation Information										
Potassium Chloride brine		330.0		Survey MD	2,188.8 m									
				Survey TVD	2,187.9 m									
				Angle	1.63 Deg									
				Direction	348									
				Horiz Displ.	0.9 m									
Daily Products Cost	\$15,874.82	Total Daily Cost	\$18,374.82											
Cumulative Products Cost	\$153,392.26	Total Cumulative Cost	\$188,392.26											
Baroid Representatives		Brian Auckram		Tim Waldhuter										
Office	90 Talinga Rd Melbourne	Telephone	61-03-9581-7555											
Warehouse	c/o of Esso Australia Ltd	Telephone	61-3-56-881-445											

Daily Drilling Fluid Report

Date		06/09/2008		Depth		2,450.0 m								
Spud Date		05/27/2008		Rig Activity		Tripping								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	HTC/BHC-409 Z	Drill Pipe	5.000	3.000	538.7	30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets		Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	1.080 sq-in	Other	6.500	0.000	11.7			Eff(%)	97	97	97			
Jets Velocity	m/sec	Drill Pipe	5.500	3.250	56.4			bbl/stk	0.139	0.139	0.139			
Jet Impact Force	lbf	Drill Collar	6.600	2.750	56.1			SPM	0	0	0			
Bit HHSI	hhp/in2	Other	8.500	0.000	69.1			gpm/bbl/min						
Press Drop @ Bit	psi	Open Hole	8.800		1,703.5			Total GPM		AV, Riser	Circ Press psi			
Bit Depth	779.0 m							Total Circ Time		AV min DP	Tot Pres Loss			
ECD @ Csg Shoe	11.05 ppg							BU Time, min		AV max DC	Press Drop DP			
ECD @ Bit	11.05 ppg							Total Strokes		BU Strokes	Press Drop An			
Properties		1	Hyd 2	3	4	Targets	Program	Fluid Treatments						
Source	Pit #6	Pit #6	Pit #6					Fluid Type						
Time	9:30	3:40	21:00					KCI/Polymer						
Depth	m	2,450	2,398	2,450				Add Barite to active to maintain mud weight at 11.0ppg. Weighted 200bbl premix from 9.5ppg to 10.6ppg with Barite to allow addition without reduction in mud weight. Added EZ-Mud to active to maintain concentration and inhibition. Treated active system with Barazan-D to maintain rheology. Prepared 63bbl high viscosity sweep and pumped to assist hole cleaning prior to POOH.						
FL Temp	Deq C	52	51											
Density @ Deq C	ppg	11.00 @ 45	11.05 @ 45	11.10 @ 40		X X	9.50	11.00						
FV @ Deq C	sec/qt	52 @ 45	48 @ 45	55 @ 40										
PV @ Deq C	cP	18 @ 49	16 @ 49	18 @ 49										
YP	lbs/100 ft2	32	28	29		X	20	30						
GELS	lbs/100 ft2	14/26/32	12/23/28	14/26/32										
600/300		68.0/50.0	60.0/44.0	65.0/47.0										
200/100		42.0/33.0	36.0/26.0	40.0/31.0										
6/3		14.0/11.0	12.0/10.0	14.0/12.0										
API Filt	ml/30 min	5.4	5.6	5.4				6.0						
HTHP @ Deq C	ml/30 min	12.0 @ 93	12.0 @ 93	12.0 @ 93				12.0						
Cake API/HTHP	32nd in	1/2	1/2	1/2										
Corr Solid	% by Vol	10.8	11.2	11.3										
NAP/Water	% by Vol	-86.0	-85.5	-85.5										
Sand	% by vol	0.50	0.75	0.50										
MBT	ppb Eq.	10.0	10.0	10.0				15.0						
pH @ Deq C		9.50 @ 25	9.00 @ 25	9.50 @ 25				8.50	9.50					
ALK Mud	Pm	0.10	0.20	0.10										
ALK Filt	Pf/Mf	0.10/1.40	0.18/1.60	0.10/1.40										
Chlorides	mg/l	42,000	44,000	42,000										
Tot. Hardness	mg/l	400	280	400				400						
LGS/HGS	% by Vol	4.7/6.1	5.2/6.0	5.0/6.3										
LGS/HGS	ppb	43.17/89.72	47.51/88.04	45.63/93.37		X * *		35.00/-						
ASG	SG	3.500	3.455	3.494										
Additional Properties														
KCL %	% by vol	8.0	8.8	8.0										
KCL mg/l	mg/l	88,500	92,920	88,500										
Clayseal	% by vol	2.0	2.0	2.0										
PHPA Concentration	ppb	1.80	1.80	1.80										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	7.5	
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300		255	8.5	Circulating		
barite	1000 kg bulk	109.640			8.550	101.090	\$4,060.22	VSM-300		255	8.5	Trips	16.5	
EZ-MUD	25 kg pail	130			21	109	\$1,802.43	VSM-300		255	8.5	Rig		
BARAZAN D PLUS	25 kg bag	122			10	112	\$1,522.40	VSM-300		255		Surveys		
CLAYSEAL PLUS	216 kg drum	30			1	29	\$956.64					Fishing		
lime	25 kg bag	67			1	66	\$6.55					Run Casing		
ALDACIDE G	5 gal can	14				14						Coring		
Amodrill 1235	1500 l drum	2				2						Reaming		
BARACOR 100	55 gal drum	4				4		Hydrocyclone		Cones	Screens	Hrs	Testing	
BARA-DEFOAM W300	5 gal can	17				17		D 16		16 4		Logging		
BAROFIBRE FINE	25 lb bag	50				50						Dir Work		
bentonite	1000 kg bulk	51.570				51.570						Repair		
calcium chloride flake 77%	25 kg bag	39				39		Centrifuge		Speed	Feed Rate	Hrs	Total	
caustic soda	25 kg pail	33				33						Other		
Circal 60/16	25 kg sack	143				143		Centrifuge		3,000	40.00	Rotating	24.0	
Circal Y	25 kg sack	286				286		Centrifuge		3,000	40.00	ROP	7.5	
citric acid	25 kg bag	21				21						Dil Rate	0.00	
CON DET	5 gal can	32				32		Fluid Volume Breakdown						
CON DET	55 gal drum	8				8		Active		bbl	Additions	bbl	Losses	bbl
DEXTRID LTE	25 kg sack	88				88		Annulus		342.4	Base		Fluid Dumped	
EZ SPOT	55 gal drum	8				8		Pipe Cap		20.3	Drill Water		Transferred	
EZ-MUD DP	25 kg bag	14				14		Active Pits		518.0	Dewatering		SCE	-19.3
guar gum	25 kg bag	70				70		Total Hole		775.1	Sea Water		Evaporation	
KCL Tech Grade (bulk)	1000 kg bulk	20.000				20.000		Total Circ		880.7	Whole Mud		Trips	
Kwikseal Fine	40 lb bag	38				38		Reserve		907.0	Barite	12.8	Other	
N-DRIL HT PLUS	50 lb bag	55				55		Prev Vol		2201.1	Chemicals	5.5	Total Surface	
NO-SULF	17 kg pail	48				48		Net Change		-1.0	Other		Downhole	
Omyacarb 5	25 kg bulk	33.000				33.000		Total Vol		2200.1	Total	18.3	Total Losses	-19.3
Daily Products Cost		\$8,348.24	Total Daily Cost		\$10,848.24	Fluid Types		Vol bbl		Deviation Information				
Cumulative Products Cost		\$161,740.50	Total Cumulative Cost		\$199,240.50	Potassium Chloride brine		330.0		Survey MD		2,188.8 m		
Baroid Representatives		Brian Auckram		Tim Waldhuter		Survey TVD				Angle		1.63 Deg		
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Direction		348		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Horiz Displ.		0.9 m		

Daily Drilling Fluid Report

Date		06/11/2008		Depth		2,470.0 m							
Spud Date		05/27/2008		Rig Activity		Tripping							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	HYCLOG/RSX 616M	Drill Pipe	5.500	3.250	1,739.0	30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets	3x14 3x15	Drill Pipe	5.500	3.250	115.1	13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	0.969 sq-in	Drill Collar	6.563	2.813	70.8				Eff(%)	97	97	97	
Jets Velocity	m/sec								bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf								SPM	0	0	0	
Bit HHSI	hhp/in2								gpm bbl/min				
Press Drop @ Bit	psi	Open Hole	8.500		1,723.5				Total GPM				
Bit Depth	1,925.0 m								Total Circ Time				
ECD @ Csg Shoe	11.00 ppg								BU Time , min				
ECD @ Bit	11.00 ppg								Total Strokes				
Properties		1	2	Hyd 3	4	Targets	Program	Fluid Treatments					
Source		Pit #6	Pit #6	Pit #6				Fluid Type					
Time		3:00	12:00	20:00				KCI/Polymer					
Depth	m	2,470	2,470	2,470				Treated mud pits with Aldacide-G to minimize bacterial activity.					
FL Temp	Deq C												
Density @ Deq C	ppg	11.00 @ 32	11.00 @ 25	11.00 @ 25			9.50	11.00					
FV @ Deq C	sec/qt	51 @ 32	60 @ 25	60 @ 25									
PV @ Deq C	cP	16 @ 49	16 @ 49	16 @ 49									
YP	lbs/100 ft2	28	29	29			20	30					
GELS	lbs/100 ft2	12/21/26	13/22/28	13/22/28									
600/300		60.0/44.0	61.0/45.0	61.0/45.0									
200/100		36.0/25.0	36.0/25.0	36.0/25.0									
6/3		13.0/11.0	13.0/11.0	13.0/11.0									
API Filt	ml/30 min	6.0	6.0	6.0				6.0					
HTHP @ Deq C	ml/30 min	12.0 @ 93	12.0 @ 93	12.0 @ 93				12.0					
Cake API/HTHP	32nd in	1/2	1/2	1/2									
Corr Solid	% by Vol	10.8	10.8	10.8									
NAP/Water	% by Vol	-86.0	-86.0	-86.0									
Sand	% by vol	0.50	0.50	0.50									
MBT	ppb Eq.	7.5	7.5	7.5				15.0					
pH @ Deq C		9.00 @ 25	9.50 @ 25	9.50 @ 25			8.50	9.50					
ALK Mud	Pm	0.10	0.10	0.10									
ALK Filt	Pf/Mf	0.10/1.50	0.10/1.40	0.10/1.40									
Chlorides	mg/l	42,000	42,000	42,000									
Tot. Hardness	mg/l	400	360	360				400					
LGS/HGS	% by Vol	4.7/6.1	4.7/6.1	4.7/6.1									
LGS/HGS	ppb	43.17/89.72	43.17/89.72	43.17/89.72			X * *	35.00/-					
ASG	SG	3.500	3.500	3.500									
Additional Properties													
KCL %	% by vol	8.0	8.0	8.0									
KCL mg/l	mg/l	88,500	88,500	88,500									
Clayseal	% by vol	2.0	2.0	2.0									
PHPA Concentration	ppb	1.80	1.80	1.80									
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling Circulating Trips	24.0
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300	255				
ALDACIDE G		5 gal can	13		3	10	\$209.70	VSM-300	255				
Amodrill 1235		1500 l drum	2			2		VSM-300	255		2.0	Rig Surveys	
BARACOR 100		55 gal drum	4			4		VSM-300	255			Fishing	
BARA-DEFOAM W300		5 gal can	17			17						Run Casing	
BARAZAN D PLUS		25 kg bag	111			111						Coring	
barite		1000 kg bulk	94.100			94.100						Reaming	
BAROFIBRE FINE		25 lb bag	50			50						Testing	
bentonite		1000 kg bulk	51.570			51.570		Hydrocyclone	Cones	Screens	Hrs	Logging	
calcium chloride flake 77%		25 kg bag	39			39		D 16	16 4			Dir Work	
caustic soda		25 kg pail	31			31						Repair	
Circal 60/16		25 kg sack	143			143						Other	
Circal Y		25 kg sack	286			286						Total	
citric acid		25 kg bag	21			21		Centrifuge	Speed	Feed Rate	Hrs	Rotating	
CLAYSEAL PLUS		216 kg drum	29			29		3,000	40.00			ROP	
CON DET		5 gal can	32			32		Centrifuge	3,000	40.00		Dil Rate	
CON DET		55 gal drum	8			8						0.00	
DEXTRID LTE		25 kg sack	81			81		Fluid Volume Breakdown					
EZ SPOT		55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD		25 kg pail	109			109		Annulus	491.3	Base		Fluid Dumped	
EZ-MUD DP		25 kg bag	14			14		Pipe Cap	64.3	Drill Water		Transferred	
guar gum		25 kg bag	70			70		Active Pits	560.0	Dewatering		SCE	
KCL Tech Grade (bulk)		1000 kg bulk	20.000			20.000		Total Hole	681.1	Sea Water		Evaporation	
Kwikseal Fine		40 lb bag	38			38		Total Circ	1115.6	Whole Mud		Trips	
lime		25 kg bag	66			66		Reserve	717.0	Barite		Other	
N-DRIL HT PLUS		50 lb bag	55			55		Prev Vol	1958.7	Chemicals	0.4	Total Surface	
NO-SULF		17 kg pail	48			48		Net Change	0.1	Other		Downhole	
Omyacarb 5		25 kg bulk	33.000			33.000		Total Vol	1958.1	Total	0.4	Total Losses	
								Fluid Types				Deviation Information	
Daily Products Cost		\$209.70	Total Daily Cost				\$2,709.70	Potassium Chloride brine		291.0	Survey MD		2,433.5 m
Cumulative Products Cost		\$166,437.14	Total Cumulative Cost				\$208,937.14				Survey TVD		2,433.2 m
Baroid Representatives		Brian Auckram		Tim Waldhuter							Angle		1.58 Deg
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555					Direction		330
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445					Horiz Displ.		0.3 m

Daily Drilling Fluid Report

Date		06/13/2008		Depth		2,590.0 m						
Spud Date		05/27/2008		Rig Activity		Wire Line logs						
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1						
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi	Open Hole	8.500	1,843.5				Total GPM		AV, Riser	Circ Press psi	
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss	
ECD @ Csg Shoe	ppg							BU Time, min		AV max DC	Press Drop DP	
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An	
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #6						Fluid Type		KCI/Polymer		
Time		18:00						Rig Activity				
Depth	m	2,590						POOH to surface. Lay down 8 1/2" BHA. Service top drive. Rig up Schlumberger equipment. RIH with T/string #1 to 2500m and log as per programme. Pick up toolstring #2 RIH surface test tool #2. POOH. RIH MDT survey tool.				
FL Temp	Deq C											
Density @ Deq C	ppg	11.00										
FV @ Deq C	sec/qt	60 @ 25										
PV @ Deq C	cP	16 @ 49										
YP	lbs/100 ft2	29										
GELS	lbs/100 ft2	13/22/28										
600/300		61.0/45.0										
200/100		36.0/25.0										
6/3		13.0/11.0										
API Filt	ml/30 min	6.0										
HTHP @ Deq C	ml/30 min	12.0 @ 93										
Cake API/HTHP	32nd in	1/2										
Corr Solid	% by Vol	10.8										
NAP/Water	% by Vol	-86.0										
Sand	% by vol	0.50										
MBT	ppb Eq.	10.0										
pH @ Deq C		9.50 @ 25										
ALK Mud	Pm	0.10										
ALK Filt	Pf/Mf	0.10/1.40										
Chlorides	mg/l	42,000										
Tot. Hardness	mg/l	360										
LGS/HGS	% by Vol	4.7/6.1										
LGS/HGS	ppb	43.17/89.72										
ASG	SG	3.500										
Additional Properties												
KCL %	% by vol	8.0										
KCL mg/l	mg/l	88,500										
Clayseal	% by vol	2.0										
PHPA Concentration	ppb	0.00										
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300				Circulating	
ALDACIDE G	5 gal can	10			10		VSM-300				Trips	
Amodrill 1235	1500 l drum	2			2		VSM-300				Rig	
BARACOR 100	55 gal drum	4			4		VSM-300				Surveys	
BARA-DEFOAM W300	5 gal can	17			17						Fishing	
BARAZAN D PLUS	25 kg bag	109			109						Run Casing	
barite	1000 kg bulk	88.980			88.980						Coring	
BAROFIBRE FINE	25 lb bag	50			50						Reaming	
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39			39		D 16	16 4			Logging	
caustic soda	25 kg pail	31			31						Dir Work	
Circa 60/16	25 kg sack	143			143						Repair	
Circa Y	25 kg sack	286			286						Other	
citric acid	25 kg bag	21			21		Centrifuge	Speed	Feed Rate	Hrs	Total	
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge	3,000	40.00		Rotating	
CON DET	5 gal can	32			32		Centrifuge	3,000	40.00		ROP	
CON DET	55 gal drum	8			8						Dil Rate	
DEXTRID LTE	25 kg sack	75			75		Fluid Volume Breakdown					
EZ SPOT	55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD	25 kg pail	109			109		Annulus		Base		Fluid Dumped	
EZ-MUD DP	25 kg bag	14			14		Pipe Cap		Drill Water		Transferred	
guar gum	25 kg bag	70			70		Active Pits	382.7	Dewatering		SCE	
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000		Total Hole	834.7	Sea Water		Evaporation	
Kwikseal Fine	40 lb bag	38			38		Total Circ	382.7	Whole Mud		Trips	
lime	25 kg bag	66			66		Reserve	579.0	Barite		Other	
N-DRIL HT PLUS	50 lb bag	55			55		Prev Vol	1794.7	Chemicals		Total Surface	
NO-SULF	17 kg pail	48			48		Net Change		Other		Downhole	
Omyacarb 5	25 kg bulk	33,000			33,000		Total Vol	1796.4	Total		Total Losses	
Daily Products Cost		\$0.00	Total Daily Cost		\$2,500.00	Fluid Types		Vol bbl		Deviation Information		
Cumulative Products Cost		\$169,907.59	Total Cumulative Cost		\$217,407.59	Potassium Chloride brine		291.0		Survey MD		2,433.5 m
Baroid Representatives		Brian Auckram		James Munford						Survey TVD		2,433.2 m
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle		1.58 Deg
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction		330
										Horiz Displ.		0.3 m

Daily Drilling Fluid Report

Date		06/14/2008		Depth		2,590.0 m									
Spud Date		05/27/2008		Rig Activity		Wire Line logs									
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1									
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy							
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29									
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data								
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220				
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500				
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000				
TFA	sq-in							Eff(%)	97	97	97				
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139				
Jet Impact Force	lbf							SPM	0	0	0				
Bit HHSI	hhp/in2							gpm bbl/min							
Press Drop @ Bit	psi							Total GPM							
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time							
ECD @ Csg Shoe	ppg							BU Time, min							
ECD @ Bit	ppg							Total Strokes							
Properties		1	2	3	4	Targets	Program	Fluid Treatments							
Source		Pit #6						Fluid Type		KCI/Polymer					
Time		18:00						Rig Activity							
Depth	m	2,590						Cont. Schlumberger operations with MDT toolstring. POOH & lay down MDT. Puck up & make up VSP survey tools. RIH with VSP survey tools. POOH. RIH with CST.							
FL Temp	Deg C	25													
Density @ Deg C	ppg	11.00													
FV @ Deg C	sec/qt	60 @ 25													
PV @ Deg C	cP	16 @ 49													
YP	lbs/100 ft2	29													
GELS	lbs/100 ft2	13/22/28													
600/300		61.0/45.0													
200/100		36.0/25.0													
6/3		13.0/11.0													
API Filt	ml/30 min	6.0													
HTHP @ Deg C	ml/30 min	12.0 @ 93													
Cake API/HTHP	32nd in	1/2													
Corr Solid	% by Vol	10.8													
NAP/Water	% by Vol	-86.0													
Sand	% by vol	0.50													
MBT	ppb Eq.	10.0													
pH @ Deg C		9.50 @ 25													
ALK Mud	Pm	0.10													
ALK Filt	Pf/Mf	0.10/1.40													
Chlorides	mg/l	42,000													
Tot. Hardness	mg/l	360													
LGS/HGS	% by Vol	4.7/6.1													
LGS/HGS	ppb	43.17/89.72													
ASG	SG	3.500													
Additional Properties															
KCL %	% by vol	8.0													
KCL mg/l	mg/l	88,500													
Clayseal	% by vol	2.0													
PHPA Concentration	ppb	1.80													
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time				
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling			
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating			
ALDACIDE G	5 gal can	10			10		VSM-300					Trips			
Amodrill 1235	1500 l drum	2			2		VSM-300					Rig			
BARACOR 100	55 gal drum	4			4		VSM-300					Surveys			
BARA-DEFOAM W300	5 gal can	17			17							Fishing			
BARAZAN D PLUS	25 kg bag	109			109							Run Casing			
barite	1000 kg bulk	88.980			88.980							Coring			
BAROFIBRE FINE	25 lb bag	50			50							Reaming			
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone		Cones		Screens	Hrs	Testing		
calcium chloride flake 77%	25 kg bag	39			39		D 16		16 4				Logging		
caustic soda	25 kg pail	31			31								Dir Work		
Circal 60/16	25 kg sack	143			143								Repair		
Circal Y	25 kg sack	286			286								Other		
citric acid	25 kg bag	21			21		Centrifuge		Speed		Feed Rate	Hrs	Total		
CLAYSEAL PLUS	216 kg drum	29			29								Rotating		
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00		ROP		
CON DET	55 gal drum	8			8		Centrifuge		3,000		40.00		Dil Rate		
DEXTRID LTE	25 kg sack	75			75		Fluid Volume Breakdown					KCI/Polymer			
EZ SPOT	55 gal drum	8			8		Active		bbl		Additions	bbl	Losses	bbl	
EZ-MUD	25 kg pail	109			109		Annulus				Base	Fluid Dumped			
EZ-MUD DP	25 kg bag	14			14		Pipe Cap				Drill Water	Transferred			
guar gum	25 kg bag	70			70		Active Pits		382.7		Dewatering	SCE			
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000		Total Hole		834.7		Sea Water	Evaporation			
Kwikseal Fine	40 lb bag	38			38		Total Circ		382.7		Whole Mud	Trips			
lime	25 kg bag	66			66		Reserve		579.0		Barite	Other			
N-DRIL HT PLUS	50 lb bag	55			55		Prev Vol		1796.4		Chemicals	Total Surface			
NO-SULF	17 kg pail	48			48		Net Change				Other	Downhole			
Omyacarb 5	25 kg bulk	33,000			33,000		Total Vol		1796.4		Total	Total Losses			
Fluid Types		Vol bbl		Deviation Information											
Daily Products Cost		\$0.00		Total Daily Cost		\$2,500.00		Potassium Chloride brine		291.0		Survey MD		2,433.5 m	
Cumulative Products Cost		\$169,907.59		Total Cumulative Cost		\$219,907.59						Survey TVD		2,433.2 m	
Baroid Representatives		Brian Auckram		James Munford								Angle		1.58 Deg	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						Direction		330	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						Horiz Displ.		0.3 m	

Daily Drilling Fluid Report

Date		06/15/2008		Depth		2,590.0 m								
Spud Date		05/27/2008		Rig Activity		Plugging Back								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	2.875 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	N/A/Cement stringer	Drill Pipe	5.500	3.250	2,038.0	30.000	@ 128.0	Bore in	6.500	6.500	6.500			
Jets	1x32					13.375	@ 746.5	Strokes in	14.000	14.000	14.000			
TFA	0.785 sq-in							Eff(%)	97	97	97			
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139			
Jet Impact Force	lbf							SPM	0	0	0			
Bit HHSI	hhp/in2							gpm bbl/min						
Press Drop @ Bit	psi							Total GPM						
Bit Depth	2,038.0 m	Open Hole	8.500		1,843.5			Total Circ Time						
ECD @ Csg Shoe	ppg							BU Time, min						
ECD @ Bit	ppg							Total Strokes						
Properties		1	2	3	4	Targets	Program	Fluid Treatments						
Source	Flow Line							Fluid Type						
Time	18:00							KCI/Polymer						
Depth	m	2,590						Prepared Hi-vis pill for cement programme.						
FL Temp	Deq C							Rig Activity						
Density @ Deq C	ppg	11.00						Cont. RIH with CST toolstring. Commence CST as per programme. POOH. Rig down Schlumber equipment. Rig up for 2 7/8" cement stringer. Pick up and make up cement stringer. RIH to 2308m. Circ. bottoms up. Set 1st plug @ 2308m. POOH 4stds to 2189m. Circ. bottoms up. Set 2nd cement plug @ 2189m. POOH 5 stds to 2032m. Circ. bottoms up. RIH to tag cement @ 2091m. POOH to 2038m.						
FV @ Deq C	sec/qt	60 @ 25												
PV @ Deq C	cP	16 @ 49												
YP	lbs/100 ft2	29												
GELS	lbs/100 ft2	13/22/28												
600/300		61.0/45.0												
200/100		36.0/25.0												
6/3		13.0/11.0												
API Filt	ml/30 min	6.0												
HTHP @ Deq C	ml/30 min	12.0 @ 93												
Cake API/HTHP	32nd in	1/2												
Corr Solid	% by Vol	10.8												
NAP/Water	% by Vol	-86.0												
Sand	% by vol	0.50												
MBT	ppb Eq.	10.0												
pH @ Deq C		9.50 @ 25												
ALK Mud	Pm	0.10												
ALK Filt	Pf/Mf	0.10/1.40												
Chlorides	mg/l	42,000												
Tot. Hardness	mg/l	360												
LGS/HGS	% by Vol	4.7/6.1												
LGS/HGS	ppb	43.17/89.72												
ASG	SG	3.500												
Additional Properties														
KCL %	% by vol	8.0												
KCL mg/l	mg/l	88,500												
Clayseal	% by vol	2.0												
PHPA Concentration	ppb	1.80												
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time			
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling		
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating		
BARAZAN D PLUS	25 kg bag	109		2	107	\$304.48	VSM-300					Trips		
ALDACIDE G	5 gal can	10		1	9	\$69.90	VSM-300					Rig		
Amodrill 1235	1500 l drum	2			2		VSM-300					Surveys		
BARACOR 100	55 gal drum	4			4							Fishing		
BARA-DEFOAM W300	5 gal can	17			17							Run Casing		
barite	1000 kg bulk	88.980			88.980							Coring		
BAROFIBRE FINE	25 lb bag	50			50							Reaming		
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone		Cones		Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39			39		D 16		16 4				Logging	
caustic soda	25 kg pail	31			31								Dir Work	
Circa 60/16	25 kg sack	143			143								Repair	
Circa Y	25 kg sack	286			286								Other	
citric acid	25 kg bag	21			21								Total	
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge		Speed		Feed Rate	Hrs	Rotating	
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00		ROP	
CON DET	55 gal drum	8			8		Centrifuge		3,000		40.00		Dil Rate	
DEXTRID LTE	25 kg sack	75			75		Fluid Volume Breakdown					KCI/Polymer		
EZ SPOT	55 gal drum	8			8		Active		bbl		Additions	bbl	Losses	bbl
EZ-MUD	25 kg pail	109			109		Annulus		508.7		Base	Fluid Dumped		
EZ-MUD DP	25 kg bag	14			14		Pipe Cap		68.6		Drill Water	Transferred		
guar gum	25 kg bag	70			70		Active Pits		383.0		Dewatering	SCE		
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000		Total Hole		704.4		Sea Water	Evaporation		
Kwikseal Fine	40 lb bag	38			38		Total Circ		960.3		Whole Mud	Trips		
lime	25 kg bag	66			66		Reserve		593.0		Barite	Other		
N-DRIL HT PLUS	50 lb bag	55			55		Prev Vol		1796.4		Chemicals	0.3		
NO-SULF	17 kg pail	48			48		Net Change		-209.5		Other	Total Surface		
Omyacarb 5	25 kg bulk	33,000			33,000		Total Vol		1680.4		Total	Downhole		
											0.3	Total Losses		
							Fluid Types					Vol bbl	Deviation Information	
Daily Products Cost	\$374.38	Total Daily Cost				\$2,874.38						Survey MD	2,433.5 m	
Cumulative Products Cost	\$170,281.97	Total Cumulative Cost				\$222,781.97						Survey TVD	2,433.2 m	
Baroid Representatives	Brian Auckram		James Munford									Angle	1.58 Deg	
Office	90 Talinga Rd Melbourne		Telephone		61-03-9581-7555							Direction	330	
Warehouse	c/o of Esso Australia Ltd		Telephone		61-3-56-881-445							Horiz Displ.	0.3 m	

Daily Drilling Fluid Report

Date		06/16/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Rig up and rig down							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	m	Open Hole	8.500	1,843.5				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time , min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #6						Fluid Type Seawater					
Time		18:00						Returned 840 bbl Old KCL/Polymer mud to Pacific Battler.					
Depth	m	2,590											
FL Temp	Deq C												
Density @ Deq C	ppg	11.00											
FV @ Deq C	sec/qt	60 @ 25											
PV @ Deq C	cP	16 @ 49											
YP	lbs/100 ft2	29											
GELS	lbs/100 ft2	13/22/28											
600/300		61.0/45.0											
200/100		35.0/25.0											
6/3		13.0/11.0											
API Filt	ml/30 min	6.0											
HTHP @ Deq C	ml/30 min	12.0 @ 93											
Cake API/HTHP	32nd in	1/2											
Corr Solid	% by Vol	10.8											
NAP/Water	% by Vol	-86.0											
Sand	% by vol	0.50											
MBT	ppb Eq.	10.0											
pH @ Deq C		9.50 @ 25											
ALK Mud	Pm	0.10											
ALK Filt	Pf/Mf	0.10/1.50											
Chlorides	mg/l	42,000											
Tot. Hardness	mg/l	400											
LGS/HGS	% by Vol	4.7/6.1											
LGS/HGS	ppb	43.17/89.72											
ASG	SG	3.500											
Additional Properties													
KCL %	% by vol	8.0											
KCL mg/l	mg/l	88,500											
Clayseal	% by vol	2.0											
PHPA Concentration	ppb	1.80											
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300					Circulating
ALDACIDE G		5 gal can	9			9		VSM-300					Trips
Amodrill 1235		1500 l drum	2			2		VSM-300					Rig
BARACOR 100		55 gal drum	4			4		VSM-300					Surveys
BARA-DEFOAM W300		5 gal can	17			17							Fishing
BARAZAN D PLUS		25 kg bag	107			107							Run Casing
barite		1000 kg bulk	88.980			88.980							Coring
BAROFIBRE FINE		25 lb bag	50			50							Reaming
bentonite		1000 kg bulk	51.570			51.570							Testing
calcium chloride flake 77%		25 kg bag	39			39		Hydrocyclone	Cones	Screens	Hrs	Logging	
caustic soda		25 kg pail	31			31		D 16	16 4			Dir Work	
Circal 60/16		25 kg sack	143			143						Repair	
Circal Y		25 kg sack	286			286						Other	
citric acid		25 kg bag	21			21						Total	
CLAYSEAL PLUS		216 kg drum	29			29		Centrifuge	Speed	Feed Rate	Hrs	Rotating	
CON DET		5 gal can	32			32		Centrifuge	3,000	40.00		ROP	
CON DET		55 gal drum	8			8		Centrifuge	3,000	40.00		Dil Rate	
DEXTRID LTE		25 kg sack	75			75		Fluid Volume Breakdown				Seawater	
EZ SPOT		55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD		25 kg pail	109			109		Annulus		Base		Fluid Dumped	
EZ-MUD DP		25 kg bag	14			14		Pipe Cap		Drill Water	834.7	Transferred	
guar gum		25 kg bag	70			70		Active Pits		Dewatering		SCE	
KCL Tech Grade (bulk)		1000 kg bulk	2,000			2,000		Total Hole	834.7	Sea Water		Evaporation	
Kwikseal Fine		40 lb bag	38			38		Total Circ		Whole Mud		Trips	
lime		25 kg bag	66			66		Reserve		Barite		Other	
N-DRIL HT PLUS		50 lb bag	55			55		Prev Vol		Chemicals		Total Surface	
NO-SULF		17 kg pail	48			48		Net Change	834.7	Other		Downhole	
Omyacarb 5		25 kg bulk	33,000			33,000		Total Vol	834.7	Total	834.7	Total Losses	
Daily Products Cost		\$0.00	Total Daily Cost				\$2,500.00	Fluid Types		Vol bbl		Deviation Information	
Cumulative Products Cost		\$170,281.97	Total Cumulative Cost				\$225,281.97					Survey MD	2,433.5 m
Baroid Representatives		Brian Auckram		James Munford								Survey TVD	2,433.2 m
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						Angle	1.58 Deg
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						Direction	330
												Horiz Displ.	0.3 m

Daily Drilling Fluid Report

Date		06/17/2008		Depth		2,590.0 m					
Spud Date		05/27/2008		Rig Activity		Cut casing weld bowl					
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1					
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy			
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29					
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data			
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000
TFA	sq-in							Eff(%)	97	97	97
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139
Jet Impact Force	lbf							SPM	0	0	0
Bit HHSI	hhp/in ²							gpm bbl/min			
Press Drop @ Bit	psi							Total GPM			
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time			
ECD @ Csg Shoe	ppg							BU Time, min			
ECD @ Bit	ppg							Total Strokes			
Properties		1	2	3	4	Targets	Program	Fluid Treatments			
Source								Fluid Type			
Time								Seawater			
Depth								Rig Activity POOH Riser. RIH with casing cutter assembly on 5 1/2" DP. Set casing cutter down at 98.4m. Cut casing.			
FL Temp											
Density @ Deg C											
FV @ Deg C											
PV @ Deg C											
YP											
GELS											
600/300											
2000/100											
6/3											
API Filt											
HTHP @ Deg C											
Cake API/HTHP											
Corr Solid											
NAP/Water											
Sand											
MBT											
pH @ Deg C											
ALK Mud											
ALK Filt											
Chlorides											
Tot. Hardness											
LGS/HGS											
LGS/HGS											
ASG											
Additional Properties											
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling Circulating Trips Rig Surveys Fishing Run Casing Coring Reaming
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300				
ALDACIDE G	5 gal can	9			9		VSM-300				21.5
Amodrill 1235	1500 l drum	2			2		VSM-300				
BARACOR 100	55 gal drum	4			4		VSM-300				0.00
BARA-DEFOAM W300	5 gal can	17			17						
BARAZAN D PLUS	25 kg bag	107			107						0.00
barite	1000 kg bulk	88.980			88.980						
BAROFIBRE FINE	25 lb bag	50			50						0.00
bentonite	1000 kg bulk	51.570			51.570						
calcium chloride flake 77%	25 kg bag	39			39						0.00
caustic soda	25 kg pail	31			31						
Circal 60/16	25 kg sack	143			143						0.00
Circal Y	25 kg sack	286			286						
citric acid	25 kg bag	21			21						0.00
CLAYSEAL PLUS	216 kg drum	29			29						
CON DET	5 gal can	32			32						0.00
CON DET	55 gal drum	8			8						
DEXTRID LTE	25 kg sack	75			75						0.00
EZ SPOT	55 gal drum	8			8						
EZ-MUD	25 kg pail	109			109						0.00
EZ-MUD DP	25 kg bag	14			14						
guar gum	25 kg bag	70			70						0.00
KCL Tech Grade (bulk)	1000 kg bulk	2.000			2.000						
Kwikseal Fine	40 lb bag	38			38						0.00
lime	25 kg bag	66			66						
N-DRIL HT PLUS	50 lb bag	55			55						0.00
NO-SULF	17 kg pail	48			48						
Omyacarb 5	25 kg bulk	33.000			33.000						0.00
Daily Products Cost		\$0.00	Total Daily Cost		\$2,500.00	Fluid Types		Vol bbl		Deviation Information	
Cumulative Products Cost		\$170,281.97	Total Cumulative Cost		\$227,781.97					Survey MD 2,433.5 m	
Baroid Representatives		Brian Auckram		James Munford						Survey TVD 2,433.2 m	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle 1.58 Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction 330	
										Horiz Displ. 0.3 m	

Daily Drilling Fluid Report

Date		06/18/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Rig up and rig down							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time, min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source								Fluid Type					
Time								Seawater					
Depth								Rig Activity Cont. cut casing @ 98.4m. No success. Attempt cutting 20" & 30" casing with cutter assembly #2 @ 96.8m. POOH. Skid rig in. Lay out well head. Disengage tools from well head.					
FL Temp													
Density @ Deg C													
FV @ Deg C													
PV @ Deg C													
YP													
GELS													
600/300													
200/100													
6/3													
API Filt													
HTHP @ Deg C													
Cake API/HTHP													
Corr Solid													
NAP/Water													
Sand													
MBT													
pH @ Deg C													
ALK Mud													
ALK Filt													
Chlorides													
Tot. Hardness													
LGS/HGS													
LGS/HGS													
ASG													
Additional Properties													
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling Circulating Trips Rig Surveys Fishing Run Casing Coring Reaming		
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300						
ALDACIDE G	5 gal can	9			9		VSM-300						
Amodrill 1235	1500 l drum	2			2		VSM-300						
BARACOR 100	55 gal drum	4			4		VSM-300						
BARA-DEFOAM W300	5 gal can	17			17								
BARAZAN D PLUS	25 kg bag	107			107								
barite	1000 kg bulk	88.980			88.980								
BAROFIBRE FINE	25 lb bag	50			50								
bentonite	1000 kg bulk	51.570			51.570								
calcium chloride flake 77%	25 kg bag	39			39		Hydrocyclone		Cones	Screens	Hrs	Testing	
caustic soda	25 kg pail	31			31		D 16		16 4			Logging	
Circal 60/16	25 kg sack	143			143						Dir Work		
Circal Y	25 kg sack	286			286						Repair		
citric acid	25 kg bag	21			21						Other		
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge		Speed	Feed Rate	Hrs	Total	
CON DET	5 gal can	32			32		Centrifuge		3,000 40.00			Rotating	
CON DET	55 gal drum	8			8		Centrifuge		3,000 40.00			ROP	
DEXTRID LTE	25 kg sack	75			75						Dil Rate		
EZ SPOT	55 gal drum	8			8						0.00		
EZ-MUD	25 kg pail	109			109								
EZ-MUD DP	25 kg bag	14			14								
guar gum	25 kg bag	70			70								
KCL Tech Grade (bulk)	1000 kg bulk	2.000			2.000								
Kwikseal Fine	40 lb bag	38			38								
lime	25 kg bag	66			66								
N-DRIL HT PLUS	50 lb bag	55			55								
NO-SULF	17 kg pail	48			48								
Omyacarb 5	25 kg bulk	33.000			33.000								
Daily Products Cost		\$0.00		Total Daily Cost		\$2,500.00		Fluid Types		Vol bbl		Deviation Information	
Cumulative Products Cost		\$170,281.97		Total Cumulative Cost		\$230,281.97						Survey MD	
Baroid Representatives		James Munford										Survey TVD	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						Angle	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						Direction	
												Horiz Displ.	

Daily Drilling Fluid Report

Date 05/25/2008		Depth 0.0 m															
Spud Date 05/27/2008		Rig Activity Rig Move															
Operator NEXUS ENERGY		Report For Shaughan Corless /Stefan Schmidt															
Contractor Seadrill		Well Name Garfish -1															
Country Australia		Rig Name West Triton															
State/Province/Region Victoria		Unit System Nexus Energy															
Geographic Area/County Bass Strait		Field or Block VIC P29															
Report For Micheal Barry																	
Bit Information		Drill String (in) / (m)		in Casing m		Circulation/Hydraulics Data											
Bit Size	in	OD	ID	Length	OD	Set	MD										
Make/Type						Model											
Jets						Bore in											
TFA	sq-in					Strokes in											
Jets Velocity	m/sec					Eff(%)											
Jet Impact Force	lbf					bbl/stk											
Bit HHSI	hhp/in2					SPM											
Press Drop @ Bit	psi					gpm bbl/min											
Bit Depth	m					Total GPM											
ECD @ Csg Shoe	ppg					Total Circ Time											
ECD @ Bit	ppg					BU Time , min											
						Total Strokes											
						AV, Riser											
						AV min DP											
						AV max DC											
						BU Strokes											
						Circ Press psi											
						Tot Pres Loss											
						Press Drop DP											
						Press Drop An											
Properties		1		2		3		4		Targets		Program		Fluid Treatments			
Source														Fluid Type			
Time																	
Depth m																	
FL Temp Deq C																	
Density @ Deq C ppg																	
FV @ Deq C sec/qt																	
PV @ Deq C cP																	
YP lbs/100 ft2																	
GELS lbs/100 ft2																	
600/300																	
200/100																	
6/3																	
API Filt ml/30 min																	
HTHP @ Deq C ml/30 min																	
Cake API/HTHP 32nd in																	
Corr Solid % by Vol																	
NAP/Water % by Vol																	
Sand % by vol																	
MBT ppb Eq.														Rig Activity			
pH @ Deq C														Rig moving to location from Wardie -1 to Garfish			
ALK Mud Pm														1 @ 22:30 25/05/08			
ALK Filt Pf/Mf																	
Chlorides mg/l																	
Tot. Hardness mg/l																	
LGS/HGS % by Vol																	
LGS/HGS ppb																	
ASG SG																	
Additional Properties																	
Product Name		Units		Start		Rec		Used		End		Cost		Solids Control Equipment		Time	
														Shaker		Screens	
																Hrs	
														VSM-300		Drilling	
														VSM-300		Circulating	
														VSM-300		Trips	
														VSM-300		Rig	
														VSM-300		Surveys	
														VSM-300		Fishing	
																Run Casing	
																Coring	
																Reaming	
														Hydrocyclone		Screens	
														D 16		Hrs	
														16 4		Testing	
																Logging	
																Dir Work	
																Repair	
																Other	
																1.5	
														Centrifuge		Speed	
														3,000		Feed Rate	
														40.00		Hrs	
														Centrifuge		3,000	
														40.00		Total	
																1.5	
																Rotating	
																ROP	
																0.00	
																Dil Rate	
Fluid Volume Breakdown		Active		bbl		Additions		bbl		Losses		bbl					
		Annulus				Base				Fluid Dumped							
		Pipe Cap				Drill Water				Transferred							
		Active Pits				Dewatering				SCE							
		Total Hole				Sea Water				Evaporation							
		Total Circ				Whole Mud				Trips							
		Reserve				Barite				Other							
		Prev Vol				Chemicals				Total Surface							
		Net Change				Other				Downhole							
		Total Vol				Total				Total Losses							
Fluid Types		Vol bbl		Deviation Information													
				Survey MD						m							
				Survey TVD						m							
				Angle						Deg							
				Direction													
				Horiz Displ.						m							
Daily Products Cost		\$0.00		Total Daily Cost		\$0.00											
Cumulative Products Cost		\$0.00		Total Cumulative Cost		\$0.00											
Baroid Representatives Eugene Edwards		James Munford															
Office 90 Talinga Rd Melbourne		Telephone 61-03-9581-7555															
Warehouse c/o of Esso Australia Ltd		Telephone 61-3-56-881-445															

Daily Drilling Fluid Report

Date		05/26/2008		Depth		0.0 m						
Spud Date		05/27/2008		Rig Activity		Hold Pre-Load						
Operator NEXUS ENERGY			Report For Shaughan Corless /Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type								Bore in	0.000	0.000	0.000	
Jets								Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	0	0	0	
Jets Velocity	m/sec							bbl/strk	0.000	0.000	0.000	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM		AV, Riser	Circ Press psi	
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss	
ECD @ Csg Shoe	ppg							BU Time , min		AV max DC	Press Drop DP	
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An	
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source								Fluid Type				
Time												
Depth												
FL Temp												
Density @ Deg C												
FV @ Deg C												
PV @ Deg C												
YP												
GELS												
600/300												
200/100												
6/3												
API Filt												
HTHP @ Deg C												
Cake API/HTHP												
Corr Solid												
NAP/Water												
Sand												
MBT												
pH @ Deg C												
ALK Mud												
ALK Filt												
Chlorides												
Tot. Hardness												
LGS/HGS												
LGS/HGS												
ASG												
Additional Properties												
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				Circulating
ALDACIDE G		5 gal can		25		25		VSM-300				Trips
Amodrill 1235		1500 l drum		2		2		VSM-300				Rig
BARACOR 100		55 gal drum		4		4		VSM-300				Surveys
BARA-DEFOAM W300		5 gal can		17		17		VSM-300				Fishing
BARAZAN D PLUS		25 kg bag		42		42						Run Casing
barite		1000 kg bulk		125.300		125.300						Coring
BAROFIBRE FINE		25 lb bag		50		50						Reaming
bentonite		1000 kg bulk		41.000		41.000		Hydrocyclone	Cones	Screens	Hrs	Testing
calcium chloride flake 77%		25 kg bag		19		19		D 16	16 4			Logging
caustic soda		25 kg pail		49		49						Dir Work
Circal 60/16		25 kg sack		48		48						Repair
Circal Y		25 kg sack		49		49						Other
citric acid		25 kg bag		37		37						Total
CON DET		5 gal can		32		32		Centrifuge	Speed	Feed Rate	Hrs	24.0
CON DET		55 gal drum		8		8		Centrifuge	3,000	40.00		24.0
DEXTRID LTE		25 kg sack		22		22		Centrifuge	3,000	40.00		Rotating
EZ SPOT		55 gal drum		8		8						ROP
EZ-MUD		25 kg pail		96		96						Dil Rate
EZ-MUD DP		25 kg bag		14		14						0.00
KCL Tech Grade (bulk)		1000 kg bulk		11.000		11.000						
Kwikseal Fine		40 lb bag		38		38						
lime		25 kg bag		74		74						
N-DRIL HT PLUS		50 lb bag		55		55						
NO-SULF		17 kg pail		48		48						
Omyacarb 5		25 kg bulk		33.000		33.000						
PAC-L		25 kg bag		55		55						
potassium chloride		1000 kg bag		10		10						
Daily Products Cost		\$0.00	Total Daily Cost		\$2,500.00	Fluid Types		Vol bbl		Deviation Information		
Cumulative Products Cost		\$0.00	Total Cumulative Cost		\$2,500.00					Survey MD		
Baroid Representatives		Eugene Edwards		James Munford						Survey TVD		
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction		
										Horiz Displ.		

Daily Drilling Fluid Report

Date		05/29/2008		Depth		132.0 m							
Spud Date		05/27/2008		Rig Activity		Tripping							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data						
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	0.000	0.000	0.000		
Jets								Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	0	0	0		
Jets Velocity	m/sec							bbl/stk	0.000	0.000	0.000		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM	AV, Riser	Circ Press psi			
Bit Depth	132.0 m							Total Circ Time	AV min DP	Tot Pres Loss			
ECD @ Csg Shoe	ppg							BU Time, min	AV max DC	Press Drop DP			
ECD @ Bit	ppg							Total Strokes	BU Strokes	Press Drop An			
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8						Fluid Type			Seawater		
Time		20:00						Total PHB mixed: 1898 bbls.					
Depth	m	132						Drill out cement and conductor shoe with seawater. Pump 75bbl high vis PHB sweep prior to POOH to change BHA.					
FL Temp	Deq C							8.30	9.50				
Density @ Deq C	ppg	8.50 @ 25											
FV @ Deq C	sec/qt	200 @ 25											
PV @ Deq C	cP	20 @ 25											
YP	lbs/100 ft2	70											
GELS	lbs/100 ft2	55/60/70						40/40/-	100/100/-				
600/300		110.0/90.0											
200/100		85.0/75.0											
6/3		55.0/52.0											
API Filt	ml/30 min												
HTHP @ Deq C	ml/30 min												
Cake API/HTHP	32nd in												
Corr Solid	% by Vol	0.7											
NAP/Water	% by Vol	-/99.0											
Sand	% by vol												
MBT	ppb Eq.	40.0											
pH @ Deq C													
ALK Mud	Pm												
ALK Filt	Pf/Mf												
Chlorides	mg/l	800											
Tot. Hardness	mg/l												
LGS/HGS	% by Vol	0.2/0.5											
LGS/HGS	ppb	1.69/8.01											
ASG	SG	3.793											
Additional Properties													
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time		
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				Circulating	
ALDACIDE G		5 gal can	25			25		VSM-300				Trips	
Amodrill 1235		1500 l drum	2			2		VSM-300				Rig	
BARACOR 100		55 gal drum	4			4		VSM-300				Surveys	
BARA-DEFOAM W300		5 gal can	17			17		VSM-300				Fishing	
BARAZAN D PLUS		25 kg bag	42			42						Run Casing	
barite		1000 kg bulk	167.000	9.000		176.000						Coring	
BAROFIBRE FINE		25 lb bag	50			50						Reaming	
bentonite		1000 kg bulk	21.000	13.000		34.000		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%		25 kg bag	41			41		D 16	16 4			Logging	
caustic soda		25 kg pail	46			46						Dir Work	
Circal 60/16		25 kg sack	48			48						Repair	
Circal Y		25 kg sack	49			49						Other	
citric acid		25 kg bag	37			37						Total	
CON DET		5 gal can	32			32		Centrifuge	Speed	Feed Rate	Hrs	Rotating	
CON DET		55 gal drum	8			8		Centrifuge	3,000	40.00		ROP	
DEXTRID LTE		25 kg sack	22			22		Centrifuge	3,000	40.00		Dil Rate	
EZ SPOT		55 gal drum	8			8						0.00	
EZ-MUD		25 kg pail	96			96		Fluid Volume Breakdown			Seawater		
EZ-MUD DP		25 kg bag	14			14		Active	bbl	Additions	bbl	Losses	bbl
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000		Annulus		Base		Fluid Dumped	
Kwikseal Fine		40 lb bag	38			38		Pipe Cap		Drill Water		Transferred	
lime		25 kg bag	72			72		Active Pits		Dewatering		SCE	
N-DRIL HT PLUS		50 lb bag	55			55		Total Hole	177.4	Sea Water		Evaporation	
NO-SULF		17 kg pail	48			48		Total Circ		Whole Mud		Trips	
Omyacarb 5		25 kg bulk	33.000			33.000		Reserve	152.0	Barite		Other	
PAC-L		25 kg bag	55			55		Prev Vol	383.0	Chemicals		Total Surface	
potassium chloride		1000 kg bag	10			10		Net Change	-53.6	Other		Downhole	
								Total Vol	329.4	Total		Total Losses	-53.6
Daily Products Cost		\$0.00	Total Daily Cost				\$2,500.00	Fluid Types		Vol bbl	Deviation Information		
Cumulative Products Cost		\$10,469.98	Total Cumulative Cost				\$20,469.98	Old Mud	15.0	Survey MD		m	
Baroid Representatives		Eugene Edwards		Tim Waldhuter				Potassium Chloride brine	885.0	Survey TVD		m	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555		PHG Mud	1185.0	Angle		Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction			
										Horiz Displ.		m	

Daily Drilling Fluid Report

Date		06/01/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Run casing and cement						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time, min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source	Flow Line	Flow Line						Fluid Type				
Time	3:00	20:00						PHG Mud				
Depth	m	755	755					Dumped and cleaned mud pits 1,4,5,7 and 8 in preparation for mixing new mud. Commence mixing KCl/Polymer/Clayseal mud for 8 1/2" hole section.				
FL Temp	Deq C							Rig Activity Continue to make up wellhead assy and running tool. Rack back in derrick and rig up and run 13 3/8" casing to 643.88m. Rig up and run 5 1/2" inner string. Latched 18 3/4" wellhead into conductor head. Confirmed latch with 50K overpull. 18 3/4" wellhead at 92.66m. 13 3/8" casing shoe at 746.53m.				
Density @ Deq C	ppg	8.50 @ 25	8.50 @ 25									
FV @ Deq C	sec/qt	183 @ 25	183 @ 25									
PV @ Deq C	cP	20 @ 25	20 @ 25									
YP	lbs/100 ft2	68	68									
GELS	lbs/100 ft2	50/60/65	50/60/65									
600/300		108.0/88.0	108.0/88.0									
200/100		75.0/70.0	75.0/70.0									
6/3		51.0/48.0	51.0/48.0									
API Filt	ml/30 min											
HTHP @ Deq C	ml/30 min											
Cake API/HTHP	32nd in											
Corr Solid	% by Vol	0.7	0.7									
NAP/Water	% by Vol	-99.0	-99.0									
Sand	% by vol											
MBT	ppb Eq.	38.0	38.0									
pH @ Deq C		9.00 @ 25	9.00 @ 25									
ALK Mud	Pm											
ALK Filt	Pf/Mf											
Chlorides	mg/l	800	800									
Tot. Hardness	mg/l											
LGS/HGS	% by Vol	0.2/0.5	0.2/0.5									
LGS/HGS	ppb	1.69/8.01	1.69/8.01									
ASG	SG	3.793	3.793									
Additional Properties												
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating
CLAYSEAL PLUS	216 kg drum		72	21	51	\$20,089.44	VSM-300					Trips
KCL Tech Grade (bulk)	1000 kg bulk	11.000	36.000	12.000	35.000	\$9,012.00	VSM-300					Rig
BARAZAN D PLUS	25 kg bag	42	174	39	177	\$5,937.36	VSM-300					Surveys
PAC-L	25 kg bag	55	72	27	100	\$2,210.49	VSM-300					Fishing
DEXTRID LTE	25 kg sack	22	180	54	148	\$2,190.24						Run Casing
EZ-MUD	25 kg pail	96	128	18	206	\$1,544.94						Coring
potassium chloride	1000 kg bag	10		2	8	\$1,202.00						Reaming
caustic soda	25 kg pail	45		6	39	\$265.14	Hydrocyclone		Cones		Hrs	Testing
ALDACIDE G	5 gal can	25		3	22	\$209.70	D 16		16 4			Logging
Amodrill 1235	1500 l drum				2							Dir Work
BARACOR 100	55 gal drum	4			4							Repair
BARA-DEFOAM W300	5 gal can	17			17							Other
barite	1000 kg bulk	176.000			176.000		Centrifuge		Speed		Hrs	Total
BAROFIBRE FINE	25 lb bag	50			50		Centrifuge		3,000		40.00	24.0
bentonite	1000 kg bulk	22.000			22.000		Centrifuge		3,000		40.00	Rotating
calcium chloride flake 77%	25 kg bag	39			39							ROP
Circal 60/16	25 kg sack	48	286		334							Dil Rate
Circal Y	25 kg sack	49	428		477							0.00
citric acid	25 kg bag	37			37							
CON DET	5 gal can	32			32							
CON DET	55 gal drum	8			8							
EZ SPOT	55 gal drum	8			8							
EZ-MUD DP	25 kg bag	14			14							
guar gum	25 kg bag	70			70							
Kwikseal Fine	40 lb bag	38			38							
lime	25 kg bag	67			67							
N-DRIL HT PLUS	50 lb bag	55			55							
Fluid Types		Vol bbl		Deviation Information								
Daily Products Cost	\$42,661.31	Total Daily Cost		\$45,161.31		Potassium Chloride brine	300.0	Survey MD		520.0 m		
Cumulative Products Cost	\$59,200.93	Total Cumulative Cost		\$76,700.93		KCl/Polymer	1393.0	Survey TVD		520.0 m		
Baroid Representatives		Eugene Edwards		Tim Waldhuter		Seawater	241.0	Angle		0.26 Deg		
Office	90 Talinga Rd Melbourne	Telephone	61-03-9581-7555					Direction		307		
Warehouse	c/o of Esso Australia Ltd	Telephone	61-3-56-881-445					Horiz Displ.		m		

Daily Drilling Fluid Report

Date		06/02/2008		Depth		755.0 m							
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time , min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8	Pit #8					Fluid Type					
Time		20:00	23:59					Continue to mix KCl/Polymer/Clayseal mud for 8					
Depth	m	755	755					1/2" hole section. Mud check for new					
FL Temp	Deq C							KCl/Polymer/Clayseal mud.					
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25										
FV @ Deq C	sec/qt	58 @ 25	58 @ 25										
PV @ Deq C	cP	15 @ 25	15 @ 25										
YP	lbs/100 ft2	27	27										
GELS	lbs/100 ft2	9/12/15	9/12/15										
600/300		57.0/42.0	57.0/42.0										
200/100		35.0/25.0	35.0/25.0										
6/3		12.0/10.0	12.0/10.0										
API Filt	ml/30 min	6.0	6.0										
HTHP @ Deq C	ml/30 min												
Cake API/HTHP	32nd in	1/-	1/-										
Corr Solid	% by Vol	2.8	2.8										
NAP/Water	% by Vol	-93.5	-93.5										
Sand	% by vol												
MBT	ppb Eq.	4.0						Rig Activity					
pH @ Deq C		9.50 @ 25	9.50 @ 25					Cement 13 3/8" casing as per program. POOH 5					
ALK Mud	Pm	0.50	0.50					1/2" inner string. WOC. Rig up and run high					
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20					pressure riser. Stop work and hold safety					
Chlorides	mg/l	45,000	45,000					meeting. Continue running high pressure riser.					
Tot. Hardness	mg/l	200	200										
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4										
LGS/HGS	ppb	3.64/35.32	3.64/35.32										
ASG	SG	3.971	3.971										
Additional Properties													
KCL %	% by vol	9.0	9.0										
KCL mg/l	mg/l	95,150	95,150										
Potassium Ion	mg/l	49,875	49,875										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300					Circulating
CLAYSEAL PLUS		216 kg drum	51		14	37	\$13,392.96	VSM-300					Trips
barite		1000 kg bulk	176.000		23.790	152.210	\$11,297.40	VSM-300					Rig
KCL Tech Grade (bulk)		1000 kg bulk	35.000		9.000	26.000	\$6,759.00	VSM-300					Surveys
potassium chloride		1000 kg bag	8		8		\$4,808.00	VSM-300					Fishing
BARAZAN D PLUS		25 kg bag	177		26	151	\$3,958.24						Run Casing
PAC-L		25 kg bag	100		18	82	\$1,473.66						5.0
DEXTRID LTE		25 kg sack	148		36	112	\$1,460.16						Coring
EZ-MUD		25 kg pail	206		12	194	\$1,029.96						Reaming
caustic soda		25 kg pail	39		4	35	\$176.76	Hydrocyclone		Screens		Hrs	Testing
ALDACIDE G		5 gal can	22		2	20	\$139.80	D 16		16 4			Logging
Amodrill 1235		1500 l drum	2		2								Dir Work
BARACOR 100		55 gal drum	4		4								Repair
BARA-DEFOAM W300		5 gal can	17		17								Other
BAROFIBRE FINE		25 lb bag	50		50			Centrifuge		Speed		Hrs	19.0
bentonite		1000 kg bulk	22.000	29.570		51.570		3,000		40.00			Total
calcium chloride flake 77%		25 kg bag	39		39			Centrifuge		3,000		40.00	24.0
CircaI 60/16		25 kg sack	334		334								Rotating
CircaI Y		25 kg sack	477		477								ROP
citric acid		25 kg bag	37		37								Dil Rate
CON DET		5 gal can	32		32								0.00
CON DET		55 gal drum	8		8								
EZ SPOT		55 gal drum	8		8								
EZ-MUD DP		25 kg bag	14		14								
guar gum		25 kg bag	70		70								
Kwikseal Fine		40 lb bag	38		38								
lime		25 kg bag	67		67								
N-DRIL HT PLUS		50 lb bag	55		55								
Daily Products Cost		\$44,495.94	Total Daily Cost		\$46,995.94	Fluid Types		Vol bbl		Deviation Information			
Cumulative Products Cost		\$103,696.87	Total Cumulative Cost		\$123,696.87	Potassium Chloride brine		300.0		Survey MD		520.0 m	
Baroid Representatives		Eugene Edwards		Tim Waldhuter		KCl/Polymer		2471.0		Survey TVD		520.0 m	
Office		90 Talinga Rd Melbourne		Telephone		Seawater		241.0		Angle		0.26 Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone						Direction		307	
										Horiz Displ.		m	

Daily Drilling Fluid Report

Date		06/03/2008		Depth		755.0 m							
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500		
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time , min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8	Pit #8					Fluid Type					
Time		3:00	20:00					Continue to circulate new KCl/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA.					
Depth	m	755	755										
FL Temp	Deq C												
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00					
FV @ Deq C	sec/qt	58 @ 25	58 @ 25										
PV @ Deq C	cP	15 @ 25	15 @ 25										
YP	lbs/100 ft2	27	27				20	30					
GELS	lbs/100 ft2	9/12/15	9/12/15										
600/300		57.0/42.0	57.0/42.0										
200/100		35.0/25.0	35.0/25.0										
6/3		12.0/10.0	12.0/10.0										
API Filt	ml/30 min	6.0	6.0					6.0					
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0					
Cake API/HTHP	32nd in	1/2	1/2										
Corr Solid	% by Vol	2.8	2.8										
NAP/Water	% by Vol	-93.5	-93.5										
Sand	% by vol												
MBT	ppb Eq.												
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50					
ALK Mud	Pm	0.50	0.50										
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20										
Chlorides	mg/l	45,000	45,000										
Tot. Hardness	mg/l	200	200					400					
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4										
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-					
ASG	SG	3.971	3.971										
Additional Properties													
KCL %	% by vol	9.0	9.0										
KCL mg/l	mg/l	95,150	95,150										
Clayseal	% by vol	2.0	2.0										
PHPA Concentration	ppb	1.00	1.00										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300				Circulating	
ALDACIDE G	5 gal can	20				20		VSM-300				Trips	
Amodrill 1235	1500 l drum	2				2		VSM-300				Rig	
BARACOR 100	55 gal drum	4				4		VSM-300				Surveys	
BARA-DEFOAM W300	5 gal can	17				17		VSM-300				Fishing	
BARAZAN D PLUS	25 kg bag	151				151						Run Casing	
barite	1000 kg bulk	152.210				152.210						Coring	
BAROFIBRE FINE	25 lb bag	50				50						Reaming	
bentonite	1000 kg bulk	51.570				51.570		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39				39		D 16	16 4			Logging	
caustic soda	25 kg pail	35				35						Dir Work	
Circal 60/16	25 kg sack	334				334						Repair	
Circal Y	25 kg sack	477				477						Other	
citric acid	25 kg bag	37				37						Total	
CLAYSEAL PLUS	216 kg drum	37				37		Centrifuge	Speed	Feed Rate	Hrs	24.0	
CON DET	5 gal can	32				32		3,000	40.00			24.0	
CON DET	55 gal drum	8				8		Centrifuge	3,000	40.00		Rotating	
DEXTRID LTE	25 kg sack	112				112		Fluid Volume Breakdown				Dil Rate	
EZ SPOT	55 gal drum	8				8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD	25 kg pail	194				194		Annulus		Base		Fluid Dumped	
EZ-MUD DP	25 kg bag	14				14		Pipe Cap		Drill Water		Transferred	
guar gum	25 kg bag	70				70		Active Pits		Dewatering		SCE	
KCL Tech Grade (bulk)	1000 kg bulk	26.000				26.000		Total Hole		Sea Water		Evaporation	
Kwikseal Fine	40 lb bag	38				38		Total Circ		Whole Mud		Trips	
lime	25 kg bag	67				67		Reserve		Barite		Other	
N-DRIL HT PLUS	50 lb bag	55				55		Prev Vol		Chemicals		Total Surface	
NO-SULF	17 kg pail	48				48		Net Change		Other		Downhole	
Omyacarb 5	25 kg bulk	33.000				33.000		Total Vol	3012.0	Total		Total Losses	
Daily Products Cost		\$0.00	Total Daily Cost			\$2,500.00	Fluid Types		Vol bbl	Deviation Information			
Cumulative Products Cost		\$103,696.87	Total Cumulative Cost			\$126,196.87	KCl/Polymer		2471.0	Survey MD		520.0 m	
Baroid Representatives		Eugene Edwards	Tim Waldhuter			Potassium Chloride brine		300.0	Survey TVD		520.0 m		
Office	90 Talinga Rd Melbourne			Telephone	61-03-9581-7555			Seawater		241.0	Angle	0.26 Deg	
Warehouse	c/o of Esso Australia Ltd			Telephone	61-3-56-881-445						Direction	307	
												Horiz Displ.	m

Daily Drilling Fluid Report

Date		06/04/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500	
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time , min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #8	Pit #8					Fluid Type				
Time		3:00	20:00					Continue shearing new KCl/Polymer/Clayseal mud with mix pumps.				
Depth	m	755	755									
FL Temp	Deq C											
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00				
FV @ Deq C	sec/qt	58 @ 25	57 @ 25									
PV @ Deq C	cP	15 @ 25	15 @ 25									
YP	lbs/100 ft2	27	27				20	30				
GELS	lbs/100 ft2	9/12/15	9/12/15									
600/300		57.0/42.0	57.0/42.0									
200/100		35.0/25.0	35.0/25.0									
6/3		11.0/9.0	11.0/9.0									
API Filt	ml/30 min	6.0	6.0					6.0				
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0				
Cake API/HTHP	32nd in	1/2	1/2									
Corr Solid	% by Vol	2.8	2.8									
NAP/Water	% by Vol	-93.5	-93.5									
Sand	% by vol											
MBT	ppb Eq.											
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50				
ALK Mud	Pm	0.50	0.50									
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20									
Chlorides	mg/l	45,000	45,000									
Tot. Hardness	mg/l	200	200					400				
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4									
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-				
ASG	SG	3.971	3.971									
Additional Properties												
KCL %	% by vol	9.0	9.0									
KCL mg/l	mg/l	95,150	95,150									
Clayseal	% by vol	2.0	2.0									
PHPA Concentration	ppb	1.00	1.00									
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300				Circulating	
ALDACIDE G	5 gal can	20			20		VSM-300				Trips	
Amodrill 1235	1500 l drum	2			2		VSM-300				Rig	
BARACOR 100	55 gal drum	4			4		VSM-300				Surveys	
BARA-DEFOAM W300	5 gal can	17			17		VSM-300				Fishing	
BARAZAN D PLUS	25 kg bag	151			151						Run Casing	
barite	1000 kg bulk	152.210			152.210						Coring	
BAROFIBRE FINE	25 lb bag	50			50						Reaming	
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39			39		D 16	16 4			Logging	
caustic soda	25 kg pail	35			35						Dir Work	
Circal 60/16	25 kg sack	334			334						Repair	
Circal Y	25 kg sack	477			477						Other	
citric acid	25 kg bag	37			37						Total	
CLAYSEAL PLUS	216 kg drum	37			37		Centrifuge	Speed	Feed Rate	Hrs	24.0	
CON DET	5 gal can	32			32		Centrifuge	3,000	40.00		24.0	
CON DET	55 gal drum	8			8		Centrifuge	3,000	40.00		Rotating	
DEXTRID LTE	25 kg sack	112			112		Fluid Volume Breakdown				Dil Rate	
EZ SPOT	55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD	25 kg pail	194			194		Annulus		Base		Fluid Dumped	
EZ-MUD DP	25 kg bag	14			14		Pipe Cap		Drill Water		Transferred	
guar gum	25 kg bag	70			70		Active Pits		Dewatering		SCE	
KCL Tech Grade (bulk)	1000 kg bulk	26.000			26.000		Total Hole		Sea Water		Evaporation	
Kwikseal Fine	40 lb bag	38			38		Total Circ		Whole Mud		Trips	
lime	25 kg bag	67			67		Reserve		Barite		Other	
N-DRIL HT PLUS	50 lb bag	55			55		Prev Vol		Chemicals		Total Surface	
NO-SULF	17 kg pail	48			48		Net Change		Other		Downhole	
Omyacarb 5	25 kg bulk	33.000			33.000		Total Vol	3125.0	Total		Total Losses	
Daily Products Cost		\$0.00	Total Daily Cost		\$2,500.00	Fluid Types		Vol bbl	Deviation Information			
Cumulative Products Cost		\$103,696.87	Total Cumulative Cost		\$128,696.87	KCl/Polymer		2458.0	Survey MD		520.0 m	
Baroid Representatives		Eugene Edwards	Tim Waldhuter			Potassium Chloride brine		300.0	Survey TVD		520.0 m	
Office		90 Talinga Rd Melbourne	Telephone		61-03-9581-7555	Seawater		367.0	Angle		0.26 Deg	
Warehouse		c/o of Esso Australia Ltd	Telephone		61-3-56-881-445				Direction		307	
									Horiz Displ.		m	

Daily Drilling Fluid Report

Date		06/05/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Tripping						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time, min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #6	Pit #6					Fluid Type KCI/Polymer				
Time		3:00	20:00					Continue shearing new KCI/Polymer/Clayseal mud through mix pumps to aid shearing PHPA.				
Depth	m	755	755					Displace well to KCI/Polymer/Clayseal mud when drilling cement and shoe track. Treat mud with Citric Acid and Sodium Bicarbonate while drilling out cement.				
FL Temp	Deq C											
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00				
FV @ Deq C	sec/qt	57 @ 25	57 @ 25									
PV @ Deq C	cP	15 @ 25	15 @ 25									
YP	lbs/100 ft2	27	27				20	30				
GELS	lbs/100 ft2	9/12/15	9/12/15									
600/300		57.0/42.0	57.0/42.0									
200/100		35.0/25.0	35.0/25.0									
6/3		11.0/9.0	11.0/9.0									
API Filt	ml/30 min	6.0	6.0					6.0				
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0				
Cake API/HTHP	32nd in	1/2	1/2									
Corr Solid	% by Vol	2.8	2.8									
NAP/Water	% by Vol	-93.5	-93.5									
Sand	% by vol											
MBT	ppb Eq.								Rig Activity			
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50	Make up 12 1/4" BHA and RIH. Drill cement and shoe track. Displace to KCI/Polymer mud.			
ALK Mud	Pm	0.50	0.50						Conduct LOT, 1020psi, EMW 17.39 ppg. POOH and lay out 12 1/4" BHA. Make up 8 1/2" BHA and RIH.			
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20									
Chlorides	mg/l	45,000	45,000									
Tot. Hardness	mg/l	200	200					400				
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4									
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-				
ASG	SG	3.971	3.971									
Additional Properties												
KCL %	% by vol	9.0	9.0									
KCL mg/l	mg/l	95,150	95,150									
Clayseal	% by vol	2.0	2.0									
PHPA Concentration	ppb	1.00	1.00									
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	0.5
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300	89		2.0	Circulating	0.5
citric acid	25 kg bag	37		4	33	\$184.96	VSM-300	89		2.0	Trips	22.5
sodium bicarbonate	25 kg bag	36		4	32	\$50.20	VSM-300	89		2.0	Rig	
ALDACIDE G	5 gal can	20			20		VSM-300	89		2.0	Surveys	
Amodrill 1235	1500 l drum	2			2		VSM-300				Fishing	
BARACOR 100	55 gal drum	4			4						Run Casing	
BARA-DEFOAM W300	5 gal can	17			17						Coring	
BARAZAN D PLUS	25 kg bag	151			151						Reaming	
barite	1000 kg bulk	152.210			152.210		Hydrocyclone	Cones	Screens	Hrs	Testing	
BAROFIBRE FINE	25 lb bag	50			50		D 16	16 4			Logging	
bentonite	1000 kg bulk	51.570			51.570						Dir Work	
calcium chloride flake 77%	25 kg bag	39			39						Repair	
caustic soda	25 kg pail	35			35						Other	0.5
Circal 60/16	25 kg sack	334			334		Centrifuge	Speed	Feed Rate	Hrs	Total	24.0
Circal Y	25 kg sack	477			477		Centrifuge	3,000	40.00		Rotating	0.5
CLAYSEAL PLUS	216 kg drum	37			37		Centrifuge	3,000	40.00		ROP	
CON DET	5 gal can	32			32						Dil Rate	0.00
CON DET	55 gal drum	8			8		Fluid Volume Breakdown					
DEXTRID LTE	25 kg sack	112			112		Active	bbl	Additions	bbl	Losses	bbl
EZ SPOT	55 gal drum	8			8		Annulus		Base		Fluid Dumped	
EZ-MUD	25 kg pail	194			194		Pipe Cap		Drill Water		Transferred	
EZ-MUD DP	25 kg bag	14			14		Active Pits	510.0	Dewatering		SCE	-58.2
guar gum	25 kg bag	70			70		Total Hole	418.5	Sea Water		Evaporation	
KCL Tech Grade (bulk)	1000 kg bulk	26.000			26.000		Total Circ	510.0	Whole Mud		Trips	
Kwikseal Fine	40 lb bag	38			38		Reserve	1472.0	Barite		Other	
lime	25 kg bag	67			67		Prev Vol	3125.0	Chemicals	0.7	Total Surface	
N-DRIL HT PLUS	50 lb bag	55			55		Net Change	-57.5	Other		Downhole	
NO-SULF	17 kg pail	48			48		Total Vol	2400.5	Total	0.7	Total Losses	-58.2
Fluid Types		Vol bbl		Deviaton Information								
Daily Products Cost	\$235.16	Total Daily Cost		\$2,735.16	Potassium Chloride brine	300.0	Survey MD		520.0 m			
Cumulative Products Cost	\$103,932.03	Total Cumulative Cost		\$131,432.03	Seawater	367.0	Survey TVD		520.0 m			
Baroid Representatives		Eugene Edwards		Tim Waldhuter								
Office	90 Talinga Rd Melbourne			Telephone	61-03-9581-7555			Angle	0.26 Deg			
Warehouse	c/o of Esso Australia Ltd			Telephone	61-3-56-881-445			Direction	307			
								Horiz Displ.	m			

Daily Drilling Fluid Report

Date		06/06/2008		Depth		1,365.0 m							
Spud Date		05/27/2008		Rig Activity		Drilling							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	1,173.7	30.000 @	128.0	Bore in	6.500	6.500	6.500		
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375 @	746.5	Strokes in	14.000	14.000	14.000		
TFA	0.905 sq-in	Other	6.500	0.000	11.7			Eff(%)	97	97	97		
Jets Velocity	112.3 m/sec	Drill Pipe	5.500	3.250	56.4			bbl/stk	0.139	0.139	0.139		
Jet Impact Force	1926.5 lbf	Drill Collar	6.563	2.813	76.2			SPM	89	89	0		
Bit HHSI	12.59 hhp/in2							gpm bbl/min	521	12.40	521		
Press Drop @ Bit	1175 psi	Open Hole	8.800		618.5			Total GPM	1,042	AV, Riser	Circ Press psi		
Bit Depth	1,365.0 m							Total Circ Time	43	AV min DP	10.3		
ECD @ Csg Shoe	9.88 ppg							BU Time, min	18	AV max DC	226.4		
ECD @ Bit	10.32 ppg							Total Strokes	7,589	BU Strokes	3,210		
										Press Drop DP	3387		
										Press Drop An	145		
Properties		1	2	3	Hyd 4	Targets	Program	Fluid Treatments					
Source	Pit #6	Pit #6	Pit #6	Flow Line				Fluid Type					
Time	3:00	10:30	16:30	23:59				KCI/Polymer					
Depth	m	758	903	1,111	1,364			Some cement contamination.					
FL Temp	Deq C		34	36	37			Treated active with Citric Acid to lower pH and added Barazan to restore low end rheology.					
Density @ Deq C	ppq	9.50 @ 25	9.50 @ 25	9.60 @ 25	9.70 @ 32		9.50	11.00	Adding EZ Mud to increase PHPA concentration.				
FV @ Deq C	sec/qt	55 @ 25	46 @ 25	56 @ 25	55 @ 32				Added Aldacide-G to active to maintain concentration. Adding unweighted				
PV @ Deq C	cP	10 @ 25	13 @ 25	18 @ 25	12 @ 32				KCI/Polymer/Clayseal to active as required to maintain volume and dilution. Dump sand trap to prevent solids build up and upgrade shaker screens to aid in solids control.				
YP	lbs/100 ft2	23	26	33	26	X	20	30					
GELS	lbs/100 ft2	9/12/15	9/18/22	14/20/23	10/17/19								
600/300		43.0/33.0	52.0/39.0	69.0/51.0	50.0/38.0								
200/100		35.0/25.0	32.0/24.0	45.0/35.0	33.0/25.0								
6/3		10.0/8.0	10.0/8.0	15.0/13.0	12.0/10.0								
API Filt	ml/30 min	6.0	5.5	5.5	5.3			6.0					
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.2 @ 41	8.2 @ 41	8.0 @ 41			12.0					
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2								
Corr Solid	% by Vol	2.7	4.8	4.8	4.8								
NAP/Water	% by Vol	-93.8	-92.0	-92.0	-92.0								
Sand	% by vol		0.50	0.75	0.75								
MBT	ppb Eq.		2.5	2.5	5.0			15.0	Rig Activity				
pH @ Deq C		10.00 @ 25	10.00 @ 25	9.50 @ 25	9.50 @ 25	X	X	8.50	9.50	Continue to RIH. Drill 8 1/2" hole from 758m to 1365m with surveys every 3 stands.			
ALK Mud	Pm	0.60	0.40	0.40	0.30								
ALK Filt	Pf/Mf	0.50/1.60	0.20/1.20	0.20/1.20	0.22/1.50								
Chlorides	mg/l	42,000	40,000	40,000	40,000								
Tot. Hardness	mg/l	400	600	600	600	X	X	X	400				
LGS/HGS	% by Vol	0.1/2.7	3.9/0.9	3.2/1.6	2.4/2.4								
LGS/HGS	ppb	0.59/39.45	35.67/12.71	28.84/23.73	22.02/34.76	*		35.00/-					
ASG	SG	4.162	2.889	3.140	3.391								
Additional Properties													
KCL %	% by vol	8.5	8.0	8.0	8.0								
KCL mg/l	mg/l	89,575	88,500	88,500	88,500								
Clayseal	% by vol	2.0	2.0	2.0	2.0								
PHPA Concentration	ppb	1.00	1.10	1.30	1.40								
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	17.5
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300	145		17.5	Circulating	0.5
EZ-MUD	25 kg pail	194		26	168		\$2,231.58	VSM-300	145		17.5	Trips	6.0
BARAZAN D PLUS	25 kg bag	151		12	139		\$1,826.88	VSM-300	215		17.5	Rig	
barite	1000 kg bulk	152.210			3,200	149.010	\$1,519.62	VSM-300	255		17.5	Surveys	
citric acid	25 kg bag	33			12	21	\$554.88					Fishing	
ALDACIDE G	5 gal can	20			1	19	\$69.90					Run Casing	
Amodrill 1235	1500 l drum	2				2						Coring	
BARACOR 100	55 gal drum	4				4						Reaming	
BARA-DEFOAM W300	5 gal can	17				17						Testing	
BAROFIBRE FINE	25 lb bag	50				50						Logging	
bentonite	1000 kg bulk	51.570				51.570						Dir Work	
calcium chloride flake 77%	25 kg bag	39				39						Repair	
caustic soda	25 kg pail	35				35						Other	
Circal 60/16	25 kg sack	334				334						Total	24.0
Circal Y	25 kg sack	477				477						Rotating	17.5
CLAYSEAL PLUS	216 kg drum	37				37						ROP	34.9
CON DET	5 gal can	32				32						Dil Rate	0.00
CON DET	55 gal drum	8				8							
DEXTRID LTE	25 kg sack	112				112							
EZ SPOT	55 gal drum	8				8							
EZ-MUD DP	25 kg bag	14				14							
guar gum	25 kg bag	70				70							
KCL Tech Grade (bulk)	1000 kg bulk	26.000				26.000							
Kwikseal Fine	40 lb bag	38				38							
lime	25 kg bag	67				67							
N-DRIL HT PLUS	50 lb bag	55				55							
NO-SULF	17 kg pail	48				48							
Omyacarb 5	25 kg bulk	33.000				33.000							
Fluid Types		Vol	bbl	Deviation Information									
Potassium Chloride brine		330.0		Survey MD	1,333.0 m								
				Survey TVD	1,333.0 m								
				Angle	0.43 Deg								
				Direction	19								
				Horiz Displ.	0.1 m								
Daily Products Cost		\$6,202.86	Total Daily Cost		\$8,702.86								
Cumulative Products Cost		\$110,134.88	Total Cumulative Cost		\$140,134.88								
Baroid Representatives		Brian Auckram		Tim Waldhuter									
Office		90 Talinga Rd Melbourne		Telephone 61-03-9581-7555									
Warehouse		c/o of Esso Australia Ltd		Telephone 61-3-56-881-445									

Daily Drilling Fluid Report

Date		06/07/2008		Depth		2,082.0 m							
Spud Date		05/27/2008		Rig Activity		Drilling							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	1,890.7	30.000 @	128.0	Bore in	6.500	6.500	6.500		
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375 @	746.5	Strokes in	14.000	14.000	14.000		
TFA	0.905 sq-in	Other	6.500	0.000	11.7			Eff(%)	97	97	97		
Jets Velocity	88.3 m/sec	Drill Pipe	5.500	3.250	56.4			bbl/stk	0.139	0.139	0.139		
Jet Impact Force	1240.9 lbf	Drill Collar	6.563	2.813	76.2			SPM	70	0	70		
Bit HHSI	6.38 hhp/in2							gpm/bbl/min	410 9.75		410 9.75		
Press Drop @ Bit	757 psi	Open Hole	8.800		1,335.5			Total GPM	819	AV, Riser	Circ Press psi	2640	
Bit Depth	2,082.0 m							Total Circ Time	60	AV min DP	8.1	Tot Pres Loss	5253
ECD @ Csg Shoe	10.29 ppq							BU Time, min	29	AV max DC	178.1	Press Drop DP	4222
ECD @ Bit	10.72 ppq							Total Strokes	8,456	BU Strokes	4,052	Press Drop An	221
Properties		1	2	3	Hyd 4	Targets		Program		Fluid Treatments			
Source	Pit #6	Pit #6	Pit #6	Flow Line						Fluid Type	KCI/Polymer		
Time	17:00	5:15	11:20	22:00						Added 10ppb Calcium Carbonate to premix to maintain active concentration. Treated increased hardness by addition of Soda Ash to the active.			
Depth	m	1,962	1,556	1,764	2,000					Continue adding EZ Mud to active to maintain concentration and inhibition. Prepare further			
FL Temp	Deq C	48	37	42	49					450bbl KCI/Polymer/Clayseal premix, weighted to			
Density @ Deq C	ppq	10.00 @ 36	9.90 @ 32	9.90 @ 32	10.10 @ 42			9.50	11.00	9.5ppg for dilution volume. Added 10ppb Calcium Carbonate to active prior to 2000m to minimize potential seepage losses.			
FV @ Deq C	sec/qt	52 @ 36	55 @ 32	52 @ 32	57 @ 42					Dump sandtrap as required to prevent solids build up.			
PV @ Deq C	cP	17 @ 49	12 @ 49	17 @ 49	17 @ 49								
YP	lbs/100 ft2	29	27	33	29		X	20	30				
GELS	lbs/100 ft2	14/20/25	11/17/19	14/21/26	14/20/25								
600/300		63.0/46.0	51.0/39.0	67.0/50.0	63.0/46.0								
200/100		40.0/30.0	32.0/25.0	41.0/32.0	40.0/30.0								
6/3		14.0/12.0	12.0/10.0	15.0/13.0	14.0/12.0								
API Filt	ml/30 min	5.6	5.5	5.6	5.5				6.0				
HTHP @ Deq C	ml/30 min	8.0 @ 93	8.0 @ 93	8.0 @ 93	8.0 @ 93				12.0				
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2								
Corr Solid	% by Vol	7.9	5.8	8.9	7.9								
NAP/Water	% by Vol	-89.0	-91.0	-88.0	-89.0								
Sand	% by vol	0.75	1.00	0.75	1.00								
MBT	ppb Eq.	5.0	5.0	5.0	5.0				15.0	Rig Activity			
pH @ Deq C		9.00 @ 25	9.00 @ 25	9.00 @ 25	9.00 @ 25				8.50	9.50	Continue drilling 8 1/2" hole from 1365m to 2077m with surveys every 5 stands. Increased flow observed. Flow check, shut in well 0 psi. Continue drilling 8 1/2" hole from 2077m to 2082m.		
ALK Mud	Pm	0.20	0.30	0.20	0.20								
ALK Filt	Pf/Mf	0.10/1.10	0.20/1.60	0.20/1.20	0.20/1.30								
Chlorides	mg/l	40,000	40,000	40,000	40,000								
Tot. Hardness	mg/l	600	600	600	480	X	X	X	X	400			
LGS/HGS	% by Vol	6.3/1.6	3.0/2.9	9.1/-0.2	5.5/2.3								
LGS/HGS	ppb	57.24/23.57	26.93/42.05	82.63/-2.21	50.42/34.59	X	*	*		35.00/-			
ASG	SG	2.925	3.386	2.573	3.077								
Additional Properties													
KCL %	% by vol	8.0	8.0	8.0	8.0								
KCL mg/l	mg/l	88,500	88,500	88,500	88,500								
Clayseal	% by vol	2.0	2.0	2.0	2.0								
PHPA Concentration	ppb	1.50	1.40	1.40	1.70								
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	24.0
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300		255	24.0	Circulating	
CLAYSEAL PLUS	216 kg drum	37			7	30	\$6,696.48	VSM-300		255	24.0	Trips	
barite	1000 kg bulk	149.010			10.630	138.380	\$5,047.97	VSM-300		255	24.0	Rig	
KCL Tech Grade (bulk)	1000 kg bulk	26.000			6.000	20.000	\$4,506.00	VSM-300		255	24.0	Surveys	
EZ-MUD	25 kg pail	168			38	130	\$3,261.54					Fishing	
BARAZAN D PLUS	25 kg bag	139			17	122	\$2,588.08					Run Casing	
Circa Y	25 kg sack	477			143	334	\$1,830.40					Coring	
Circa 60/16	25 kg sack	334			143	191	\$1,448.59					Reaming	
PAC-L	25 kg bag	82			9	73	\$736.83	Hydrocyclone		Cones	Screens	Hrs	Testing
DEXTRID LTE	25 kg sack	112			18	94	\$730.08	D 16		16	4	Logging	
soda ash	25 kg bag	37			18	19	\$238.50					Dir Work	
ALDACIDE G	5 gal can	19			3	16	\$209.70					Repair	
caustic soda	25 kg pail	35			2	33	\$88.38					Other	
Amodrill 1235	1500 l drum	2				2		Centrifuge		Speed	Feed Rate	Hrs	Total
BARACOR 100	55 gal drum	4				4				3,000	40.00		24.0
BARA-DEFOAM W300	5 gal can	17				17		Centrifuge		3,000	40.00		24.0
BAROFIBRE FINE	25 lb bag	50				50							29.9
bentonite	1000 kg bulk	51.570				51.570							0.00
calcium chloride flake 77%	25 kg bag	39				39							
citric acid	25 kg bag	21				21							
CON DET	5 gal can	32				32							
CON DET	55 gal drum	8				8							
EZ SPOT	55 gal drum	8				8							
EZ-MUD DP	25 kg bag	14				14							
guar gum	25 kg bag	70				70							
Kwikseal Fine	40 lb bag	38				38							
lime	25 kg bag	67				67							
N-DRIL HT PLUS	50 lb bag	55				55							
Fluid Volume Breakdown		KCI/Polymer		Deviation Information									
Active		bbl	Additions	bbl	Losses	bbl							
Annulus	564.6	Base											
Pipe Cap	59.7	Drill Water	430.0	Fluid Dumped									
Active Pits	554.0	Dewatering		Transferred									
Total Hole	624.2	Sea Water		SCE	-336.9								
Total Circ	1178.2	Whole Mud		Evaporation									
Reserve	1240.0	Barite	15.9	Trips									
Prev Vol	2246.4	Chemicals	62.8	Other									
Net Change	171.8	Other		Total Surface									
Total Vol	2418.2	Total	508.7	Downhole									
Fluid Types		Vol bbl		Deviation Information									
Potassium Chloride brine		330.0		Survey MD		2,040.0 m							
				Survey TVD		2,040.0 m							
				Angle		1.64 Deg							
				Direction		351							
				Horiz Displ.		0.9 m							
Daily Products Cost		\$27,382.55	Total Daily Cost		\$29,882.55								
Cumulative Products Cost		\$137,517.44	Total Cumulative Cost		\$170,017.44								
Baroid Representatives		Brian Auckram		Tim Waldhuter									
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555							
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445							

Daily Drilling Fluid Report

Date		06/08/2008		Depth		2,352.0 m								
Spud Date		05/27/2008		Rig Activity		Drilling								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data							
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	2,160.7	30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	0.905 sq-in	Other	6.500	0.000	11.7				Eff(%)	97	97	97		
Jets Velocity	174.1 m/sec	Drill Pipe	5.500	3.250	56.4				bbl/stk	0.139	0.139	0.139		
Jet Impact Force	5252.5 lbf	Drill Collar	6.563	2.813	76.2				SPM	138	0	138		
Bit HHSI	53.21 hhp/in2								gpm/bbl/min	808	19.23	808	19.23	
Press Drop @ Bit	3204 psi	Open Hole	8.800		1,605.5				Total GPM	1,615	AV, Riser	Circ Press psi	2800	
Bit Depth	2,352.0 m								Total Circ Time	33	AV min DP	15.9	Tot Pres Loss	20489
ECD @ Csg Shoe	11.22 ppg								BU Time, min	16	AV max DC	351.0	Press Drop DP	16380
ECD @ Bit	12.81 ppg								Total Strokes	9,000	BU Strokes	4,368	Press Drop An	725
Properties		1	2	3	Hyd 4	Targets	Program	Fluid Treatments						
Source		Pit #6	Pit #6	Pit #6	Pit #6			Fluid Type			KCI/Polymer			
Time		4:30	14:00	21:30	23:59			Commence weighting system to 11.0ppg with Barite at 2100m.						
Depth	m	2,140	2,249	2,335	0			Added Circal 60/16 and Y to maintain concentrations respectively. Treated active with Soda Ash to maintain hardness within specification. Added Pac-L and Dextrid LT to active to maintain fluid loss. Continue to treat active with Aldacide-G every 12 hours to prevent bacterial degradation. Dumped sand traps as required to prevent solids build up.						
FL Temp	Deg C	49	51	51	51			Rig Activity						
Density @ Deg C	ppg	11.00 @ 37	11.00 @ 45	11.00 @ 45	11.00 @ 45		9.50	11.00	Continue drilling 8 1/2" hole from 2082m to 2352m with surveys.					
FV @ Deg C	sec/qt	51 @ 37	51 @ 45	51 @ 45	51 @ 45									
PV @ Deg C	cP	18 @ 49	17 @ 49	15 @ 49	15 @ 49									
YP	lbs/100 ft2	30	30	30	30			20	30					
GELS	lbs/100 ft2	11/22/27	13/22/26	12/25/-	12/25/-									
600/300		66.0/48.0	64.0/47.0	60.0/45.0	60.0/45.0									
200/100		40.0/30.0	40.0/30.0	36.0/27.0	36.0/27.0									
6/3		13.0/11.0	13.0/11.0	14.0/12.0	14.0/12.0									
API Filt	ml/30 min	5.6	5.6	6.0	6.0				6.0					
HTHP @ Deg C	ml/30 min	8.1 @ 93	12.0 @ 93	12.0 @ 93	12.0 @ 93				12.0					
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2									
Corr Solid	% by Vol	10.9	10.9	10.6	10.6									
NAP/Water	% by Vol	-86.0	-86.0	-86.0	-86.0									
Sand	% by vol	1.00	1.00	1.00	1.00									
MBT	ppb Eq.	10.0	7.5	7.5	7.5				15.0					
pH @ Deg C		8.50 @ 25	9.00 @ 25	9.00 @ 25	9.00 @ 25			8.50	9.50					
ALK Mud	Pm	0.10	0.10	0.10	0.10									
ALK Filt	Pf/Mf	0.12/1.50	0.10/1.10	0.10/1.10	0.10/1.10									
Chlorides	mg/l	41,000	41,000	45,000	45,000									
Tot. Hardness	mg/l	600	400	400	400	X			400					
LGS/HGS	% by Vol	4.8/6.1	4.8/6.1	4.5/6.1	4.5/6.1									
LGS/HGS	ppb	43.93/89.64	43.93/89.64	40.85/90.00	40.85/90.00	X	*	*	*	35.00/-				
ASG	SG	3.493	3.493	3.523	3.523									
Additional Properties														
KCL %	% by vol	8.2	8.0	8.9	8.9									
KCL mg/l	mg/l	86,230	88,500	95,000	95,000									
Clayseal	% by vol	2.0	2.0	2.0	2.0									
PHPA Concentration	ppb	1.70	1.80	1.80	1.80									
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time			
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker			Drilling			
Drilling Fluids Engineer	day(s)				1		\$1,250.00	Screens			24.0			
barite	1000 kg bulk	138.380			28.740	109.640	\$13,648.05	VSM-300	255		24.0			
Circal Y	25 kg sack	334			48	286	\$614.40	VSM-300	255		24.0			
PAC-L	25 kg bag	73			6	67	\$491.22	VSM-300	255		24.0			
Circal 60/16	25 kg sack	191			48	143	\$486.24							
soda ash	25 kg bag	19			19		\$251.75							
DEXTRID LTE	25 kg sack	94			6	88	\$243.36							
ALDACIDE G	5 gal can	16			2	14	\$139.80							
Amodrill 1235	1500 l drum	2			2			Hydrocyclone	Cones	Screens	Hrs			
BARACOR 100	55 gal drum	4			4			D 16	16 4					
BARA-DEFOAM W300	5 gal can	17			17									
BARAZAN D PLUS	25 kg bag	122			122									
BAROFIBRE FINE	25 lb bag	50			50									
bentonite	1000 kg bulk	51.570			51.570			Centrifuge	Speed	Feed Rate	Hrs			
calcium chloride flake 77%	25 kg bag	39			39			3,000	40.00					
caustic soda	25 kg pail	33			33			3,000	40.00					
citric acid	25 kg bag	21			21									
CLAYSEAL PLUS	216 kg drum	30			30									
CON DET	5 gal can	32			32									
CON DET	55 gal drum	8			8									
EZ SPOT	55 gal drum	8			8									
EZ-MUD	25 kg pail	130			130									
EZ-MUD DP	25 kg bag	14			14									
guar gum	25 kg bag	70			70									
KCL Tech Grade (bulk)	1000 kg bulk	20,000			20,000									
Kwikseal Fine	40 lb bag	38			38									
lime	25 kg bag	67			67									
N-DRIL HT PLUS	50 lb bag	55			55									
Fluid Volume Breakdown		Active	bbl	Additions	bbl	Losses	bbl							
Annulus	608.7	Base				Fluid Dumped								
Pipe Cap	67.4	Drill Water				Transferred								
Active Pits	578.0	Dewatering				SCE								
Total Hole	676.1	Sea Water				Evaporation								
Total Circ	1254.1	Whole Mud				Trips								
Reserve	947.0	Barite			43.1	Other								
Prev Vol	2418.2	Chemicals			8.2	Total Surface								
Net Change	-217.1	Other				Downhole								
Total Vol	2201.1	Total			51.3	Total Losses	-268.5							
Fluid Types		Vol	bbl	Deviation Information										
Potassium Chloride brine		330.0		Survey MD				2,188.8 m						
				Survey TVD				2,187.9 m						
				Angle				1.63 Deg						
				Direction				348						
				Horiz Displ.				0.9 m						
Daily Products Cost	\$15,874.82	Total Daily Cost	\$18,374.82											
Cumulative Products Cost	\$153,392.26	Total Cumulative Cost	\$188,392.26											
Baroid Representatives	Brian Auckram		Tim Waldhuter											
Office	90 Talinga Rd Melbourne		Telephone		61-03-9581-7555									
Warehouse	c/o of Esso Australia Ltd		Telephone		61-3-56-881-445									

Daily Drilling Fluid Report

Date		06/09/2008		Depth		2,450.0 m							
Spud Date		05/27/2008		Rig Activity		Tripping							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	HTC/BHC-409 Z	Drill Pipe	5.000	3.000	538.7	30.000 @	128.0	Bore in	6.500	6.500	6.500		
Jets		Drill Pipe	5.500	3.250	47.0	13.375 @	746.5	Strokes in	14.000	14.000	14.000		
TFA	1.080 sq-in	Other	6.500	0.000	11.7			Eff(%)	97	97	97		
Jets Velocity	m/sec	Drill Pipe	5.500	3.250	56.4			bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf	Drill Collar	6.600	2.750	56.1			SPM	0	0	0		
Bit HHSI	hhp/in2	Other	8.500	0.000	69.1			gpm/bbl/min					
Press Drop @ Bit	psi	Open Hole	8.800		1,703.5			Total GPM		AV, Riser	Circ Press psi		
Bit Depth	779.0 m							Total Circ Time		AV min DP	Tot Pres Loss		
ECD @ Csg Shoe	11.05 ppg							BU Time, min		AV max DC	Press Drop DP		
ECD @ Bit	11.05 ppg							Total Strokes		BU Strokes	Press Drop An		
Properties		1	Hyd 2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #6	Pit #6	Pit #6				Fluid Type					
Time		9:30	3:40	21:00				KCI/Polymer					
Depth	m	2,450	2,398	2,450				Add Barite to active to maintain mud weight at 11.0ppg. Weighted 200bbl premix from 9.5ppg to 10.6ppg with Barite to allow addition without reduction in mud weight. Added EZ-Mud to active to maintain concentraion and inhibition. Treated active system with Barazan-D to maintain rheology. Prepared 63bbl high viscosity sweep and pumped to assist hole cleaning prior to POOH.					
FL Temp	Deq C	52	51										
Density @ Deq C	ppg	11.00 @ 45	11.05 @ 45	11.10 @ 40		X X	9.50	11.00					
FV @ Deq C	sec/qt	52 @ 45	48 @ 45	55 @ 40									
PV @ Deq C	cP	18 @ 49	16 @ 49	18 @ 49									
YP	lbs/100 ft2	32	28	29		X	20	30					
GELS	lbs/100 ft2	14/26/32	12/23/28	14/26/32									
600/300		68.0/50.0	60.0/44.0	65.0/47.0									
200/100		42.0/33.0	36.0/26.0	40.0/31.0									
6/3		14.0/11.0	12.0/10.0	14.0/12.0									
API Filt	ml/30 min	5.4	5.6	5.4				6.0					
HTHP @ Deq C	ml/30 min	12.0 @ 93	12.0 @ 93	12.0 @ 93				12.0					
Cake API/HTHP	32nd in	1/2	1/2	1/2									
Corr Solid	% by Vol	10.8	11.2	11.3									
NAP/Water	% by Vol	-86.0	-85.5	-85.5									
Sand	% by vol	0.50	0.75	0.50									
MBT	ppb Eq.	10.0	10.0	10.0				15.0					
pH @ Deq C		9.50 @ 25	9.00 @ 25	9.50 @ 25				8.50	9.50				
ALK Mud	Pm	0.10	0.20	0.10									
ALK Filt	Pf/Mf	0.10/1.40	0.18/1.60	0.10/1.40									
Chlorides	mg/l	42,000	44,000	42,000									
Tot. Hardness	mg/l	400	280	400				400					
LGS/HGS	% by Vol	4.7/6.1	5.2/6.0	5.0/6.3									
LGS/HGS	ppb	43.17/89.72	47.51/88.04	45.63/93.37		X * *		35.00/-					
ASG	SG	3.500	3.455	3.494									
Additional Properties													
KCL %	% by vol	8.0	8.8	8.0									
KCL mg/l	mg/l	88,500	92,920	88,500									
Clayseal	% by vol	2.0	2.0	2.0									
PHPA Concentration	ppb	1.80	1.80	1.80									
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	7.5
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300		255	8.5	Circulating	
barite	1000 kg bulk	109.640			8.550	101.090	\$4,060.22	VSM-300		255	8.5	Trips	16.5
EZ-MUD	25 kg pail	130			21	109	\$1,802.43	VSM-300		255	8.5	Rig	
BARAZAN D PLUS	25 kg bag	122			10	112	\$1,522.40	VSM-300		255		Surveys	
CLAYSEAL PLUS	216 kg drum	30			1	29	\$956.64					Fishing	
lime	25 kg bag	67			1	66	\$6.55					Run Casing	
ALDACIDE G	5 gal can	14				14						Coring	
Amodrill 1235	1500 l drum	2				2						Reaming	
BARACOR 100	55 gal drum	4				4		Hydrocyclone		Cones	Screens	Hrs	Testing
BARA-DEFOAM W300	5 gal can	17				17		D 16		16 4		Logging	
BAROFIBRE FINE	25 lb bag	50				50						Dir Work	
bentonite	1000 kg bulk	51.570				51.570						Repair	
calcium chloride flake 77%	25 kg bag	39				39		Centrifuge		Speed	Feed Rate	Hrs	Total
caustic soda	25 kg pail	33				33						Other	24.0
Circal 60/16	25 kg sack	143				143		Centrifuge		3,000	40.00	Rotating	7.5
Circal Y	25 kg sack	286				286		Centrifuge		3,000	40.00	ROP	13.1
citric acid	25 kg bag	21				21						Dil Rate	0.00
CON DET	5 gal can	32				32		Fluid Volume Breakdown				KCI/Polymer	
CON DET	55 gal drum	8				8		Active	bbl	Additions	bbl	Losses	bbl
DEXTRID LTE	25 kg sack	88				88		Annulus	342.4	Base		Fluid Dumped	
EZ SPOT	55 gal drum	8				8		Pipe Cap	20.3	Drill Water		Transferred	
EZ-MUD DP	25 kg bag	14				14		Active Pits	518.0	Dewatering		SCE	-19.3
guar gum	25 kg bag	70				70		Total Hole	775.1	Sea Water		Evaporation	
KCL Tech Grade (bulk)	1000 kg bulk	20.000				20.000		Total Circ	880.7	Whole Mud		Trips	
Kwikseal Fine	40 lb bag	38				38		Reserve	907.0	Barite	12.8	Other	
N-DRIL HT PLUS	50 lb bag	55				55		Prev Vol	2201.1	Chemicals	5.5	Total Surface	
NO-SULF	17 kg pail	48				48		Net Change	-1.0	Other		Downhole	
Omyacarb 5	25 kg bulk	33.000				33.000		Total Vol	2200.1	Total	18.3	Total Losses	-19.3
Daily Products Cost		\$8,348.24	Total Daily Cost		\$10,848.24	Fluid Types		Vol bbl		Deviation Information			
Cumulative Products Cost		\$161,740.50	Total Cumulative Cost		\$199,240.50	Potassium Chloride brine		330.0		Survey MD	2,188.8 m		
Baroid Representatives		Brian Auckram		Tim Waldhuter						Survey TVD	2,187.9 m		
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle	1.63 Deg		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction	348		
										Horiz Displ.	0.9 m		

Daily Drilling Fluid Report

Date		06/11/2008		Depth		2,470.0 m						
Spud Date		05/27/2008		Rig Activity		Tripping						
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1						
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type	HYCLOG/RSX 616M	Drill Pipe	5.500	3.250	1,739.0	30.000	@	128.0	Bore in	6.500	6.500	6.500
Jets	3x14 3x15	Drill Pipe	5.500	3.250	115.1	13.375	@	746.5	Strokes in	14.000	14.000	14.000
TFA	0.969 sq-in	Drill Collar	6.563	2.813	70.8				Eff(%)	97	97	97
Jets Velocity	m/sec								bbl/stk	0.139	0.139	0.139
Jet Impact Force	lbf								SPM	0	0	0
Bit HHSI	hhp/in2								gpm bbl/min			
Press Drop @ Bit	psi	Open Hole	8.500		1,723.5				Total GPM		AV, Riser	Circ Press psi
Bit Depth	1,925.0 m								Total Circ Time		AV min DP	Tot Pres Loss
ECD @ Csg Shoe	11.00 ppg								BU Time, min		AV max DC	Press Drop DP
ECD @ Bit	11.00 ppg								Total Strokes		BU Strokes	Press Drop An
Properties		1	2	Hyd 3	4	Targets	Program	Fluid Treatments				
Source	Pit #6	Pit #6	Pit #6					Fluid Type				
Time	3:00	12:00	20:00					KCI/Polymer				
Depth	2,470	2,470	2,470					Treated mud pits with Aldacide-G to minimize bacterial activity.				
FL Temp	Deq C											
Density @ Deq C	ppg	11.00 @ 32	11.00 @ 25	11.00 @ 25			9.50	11.00				
FV @ Deq C	sec/qt	51 @ 32	60 @ 25	60 @ 25								
PV @ Deq C	cP	16 @ 49	16 @ 49	16 @ 49								
YP	lbs/100 ft2	28	29	29				20	30			
GELS	lbs/100 ft2	12/21/26	13/22/28	13/22/28								
600/300		60.0/44.0	61.0/45.0	61.0/45.0								
200/100		36.0/25.0	36.0/25.0	36.0/25.0								
6/3		13.0/11.0	13.0/11.0	13.0/11.0								
API Filt	ml/30 min	6.0	6.0	6.0					6.0			
HTHP @ Deq C	ml/30 min	12.0 @ 93	12.0 @ 93	12.0 @ 93					12.0			
Cake API/HTHP	32nd in	1/2	1/2	1/2								
Corr Solid	% by Vol	10.8	10.8	10.8								
NAP/Water	% by Vol	-86.0	-86.0	-86.0								
Sand	% by vol	0.50	0.50	0.50								
MBT	ppb Eq.	7.5	7.5	7.5					15.0			
pH @ Deq C		9.00 @ 25	9.50 @ 25	9.50 @ 25					8.50	9.50		
ALK Mud	Pm	0.10	0.10	0.10								
ALK Filt	Pf/Mf	0.10/1.50	0.10/1.40	0.10/1.40								
Chlorides	mg/l	42,000	42,000	42,000								
Tot. Hardness	mg/l	400	360	360						400		
LGS/HGS	% by Vol	4.7/6.1	4.7/6.1	4.7/6.1								
LGS/HGS	ppb	43.17/89.72	43.17/89.72	43.17/89.72					X * *	35.00/-		
ASG	SG	3.500	3.500	3.500								
Additional Properties												
KCL %	% by vol	8.0	8.0	8.0								
KCL mg/l	mg/l	88,500	88,500	88,500								
Clayseal	% by vol	2.0	2.0	2.0								
PHPA Concentration	ppb	1.80	1.80	1.80								
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling Circulating Trips Rig Surveys Fishing Run Casing Coring Reaming
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300	255		2.0	
ALDACIDE G	5 gal can	13			3	10	\$209.70	VSM-300	255			
Amodrill 1235	1500 l drum	2				2		VSM-300	255			
BARACOR 100	55 gal drum	4				4		VSM-300	255			
BARA-DEFOAM W300	5 gal can	17				17						
BARAZAN D PLUS	25 kg bag	111				111						
barite	1000 kg bulk	94.100				94.100						
BAROFIBRE FINE	25 lb bag	50				50						
bentonite	1000 kg bulk	51.570				51.570						
calcium chloride flake 77%	25 kg bag	39				39		Hydrocyclone	Cones	Screens	Hrs	
caustic soda	25 kg pail	31				31		D 16	16 4			
Circal 60/16	25 kg sack	143				143						
Circal Y	25 kg sack	286				286						
citric acid	25 kg bag	21				21						
CLAYSEAL PLUS	216 kg drum	29				29		Centrifuge	Speed	Feed Rate	Hrs	
CON DET	5 gal can	32				32		Centrifuge	3,000	40.00		
CON DET	55 gal drum	8				8		Centrifuge	3,000	40.00		
DEXTRID LTE	25 kg sack	81				81						
EZ SPOT	55 gal drum	8				8						
EZ-MUD	25 kg pail	109				109						
EZ-MUD DP	25 kg bag	14				14						
guar gum	25 kg bag	70				70						
KCL Tech Grade (bulk)	1000 kg bulk	20,000				20,000						
Kwikseal Fine	40 lb bag	38				38						
lime	25 kg bag	66				66						
N-DRIL HT PLUS	50 lb bag	55				55						
NO-SULF	17 kg pail	48				48						
Omyacarb 5	25 kg bulk	33,000				33,000						
Fluid Types		Vol	bbl	Deviation Information								
Daily Products Cost	\$209.70	Total Daily Cost	\$2,709.70	Potassium Chloride brine	291.0	Survey MD	2,433.5 m					
Cumulative Products Cost	\$166,437.14	Total Cumulative Cost	\$208,937.14			Survey TVD	2,433.2 m					
Baroid Representatives	Brian Auckram	Tim Waldhuter				Angle	1.58 Deg					
Office	90 Talinga Rd Melbourne	Telephone	61-03-9581-7555			Direction	330					
Warehouse	c/o of Esso Australia Ltd	Telephone	61-3-56-881-445			Horiz Displ.	0.3 m					

Daily Drilling Fluid Report

Date		06/12/2008		Depth		2,590.0 m								
Spud Date		05/27/2008		Rig Activity		Drilling								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	HYCLOG/RXS 616M	Drill Collar	6.563	2.813	70.0	30.000 @	128.0	Bore in	6.500	6.500	6.500			
Jets	3x14 3x15					13.375 @	746.5	Strokes in	14.000	14.000	14.000			
TFA	0.969 sq-in							Eff(%)	97	97	97			
Jets Velocity	82.5 m/sec							bbl/stk	0.139	0.139	0.139			
Jet Impact Force	lbf							SPM	70	70	0			
Bit HHSI	hhp/in2							gpm bbl/min	410 9.75	410 9.75				
Press Drop @ Bit	psi							Total GPM	819	AV, Riser	Circ Press psi			
Bit Depth	70.0 m	Open Hole	8.500		1,843.5			Total Circ Time	21	AV min DP	Tot Pres Loss			
ECD @ Csg Shoe	ppg							BU Time, min	2	AV max DC	8.3			
ECD @ Bit	ppg							Total Strokes	2,967	BU Strokes	220			
Properties		1	2	3	4	Targets	Program	Fluid Treatments						
Source	Flow Line	Flow Line	Pit #6					Fluid Type KCI/Polymer						
Time	10:00	15:00	1:30					18 bulk bags KCI returned to town.						
Depth	m	2,580	2,590	2,470				Made slug for POOH.						
FL Temp	Deq C	51	52											
Density @ Deq C	ppg	11.00 @ 40	11.00 @ 40	11.00 @ 25										
FV @ Deq C	sec/qt	51 @ 40	52 @ 40	60 @ 25										
PV @ Deq C	cP	20 @ 49	18 @ 49	16 @ 49										
YP	lbs/100 ft2	30	32	29										
GELS	lbs/100 ft2	13/23/30	13/22/29	13/22/28										
600/300		70.0/50.0	68.0/50.0	61.0/45.0										
200/100		41.0/31.0	43.0/33.0	36.0/25.0										
6/3		13.0/11.0	14.0/13.0	13.0/11.0										
API Filt	ml/30 min	6.0	5.8	6.0										
HTHP @ Deq C	ml/30 min	12.0 @ 93	12.0 @ 93	12.0 @ 93										
Cake API/HTHP	32nd in	1/2	1/2	1/2										
Corr Solid	% by Vol	10.8	10.8	10.8										
NAP/Water	% by Vol	-86.0	-86.0	-86.0										
Sand	% by vol	0.75	0.75	0.50										
MBT	ppb Eq.	7.5	10.0	7.5										
pH @ Deq C		9.50 @ 25	9.50 @ 25	9.50 @ 25										
ALK Mud	Pm	0.10	0.10	0.10										
ALK Filt	Pf/Mf	0.10/1.30	0.10/1.30	0.10/1.40										
Chlorides	mg/l	42,000	42,000	42,000										
Tot. Hardness	mg/l	360	400	360										
LGS/HGS	% by Vol	4.7/6.1	4.7/6.1	4.7/6.1										
LGS/HGS	ppb	43.17/89.72	43.17/89.72	43.17/89.72										
ASG	SG	3.500	3.500	3.500										
Additional Properties														
KCL %	% by vol	8.0	8.0	8.0										
KCL mg/l	mg/l	88,500	88,500	88,500										
Clayseal	% by vol	2.0	2.0	2.0										
PHPA Concentration	ppb	1.80	1.80	1.80										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling	10.0	
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300		255	15.0	Circulating	1.0	
barite	1000 kg bulk	94.100			5,120	88,980	\$2,431.39	VSM-300		255	15.0	Trips	7.5	
PAC-L	25 kg bag	60			6	54	\$491.22	VSM-300		255	15.0	Rig		
BARAZAN D PLUS	25 kg bag	111			2	109	\$304.48	VSM-300		255	15.0	Surveys		
DEXTRID LTE	25 kg sack	81			6	75	\$243.36					Fishing		
ALDACIDE G	5 gal can	10				10						Run Casing		
Amodrill 1235	1500 l drum	2				2						Coring		
BARACOR 100	55 gal drum	4				4						Reaming	4.0	
BARA-DEFOAM W300	5 gal can	17				17		Hydrocyclone		Cones	Screens	Hrs	Testing	
BAROFIBRE FINE	25 lb bag	50				50		D 16		16 4		Logging		
bentonite	1000 kg bulk	51.570				51.570						Dir Work		
calcium chloride flake 77%	25 kg bag	39				39						Repair		
caustic soda	25 kg pail	31				31						Other	1.5	
Circa 60/16	25 kg sack	143				143		Centrifuge		Speed	Feed Rate	Hrs	Total	
Circa Y	25 kg sack	286				286				3,000	40.00	Rotating	14.0	
citric acid	25 kg bag	21				21		Centrifuge		3,000	40.00	ROP	12.0	
CLAYSEAL PLUS	216 kg drum	29				29						Dil Rate	0.00	
CON DET	5 gal can	32				32		Fluid Volume Breakdown						
CON DET	55 gal drum	8				8		Active		bbl	Additions	bbl	Losses	bbl
EZ SPOT	55 gal drum	8				8		Annulus		30.7	Base		Fluid Dumped	
EZ-MUD	25 kg pail	109				109		Pipe Cap		1.8	Drill Water		Transferred	
EZ-MUD DP	25 kg bag	14				14		Active Pits		381.0	Dewatering		SCE	-42.3
guar gum	25 kg bag	70				70		Total Hole		834.7	Sea Water		Evaporation	
KCL Tech Grade (bulk)	1000 kg bulk	20,000				20,000		Total Circ		413.5	Whole Mud		Trips	-5.0
Kwikseal Fine	40 lb bag	38				38		Reserve		579.0	Barite	7.7	Other	-30.0
lime	25 kg bag	66				66		Prev Vol		1958.1	Chemicals	1.4	Total Surface	
N-DRIL HT PLUS	50 lb bag	55				55		Net Change		-68.2	Other		Downhole	
NO-SULF	17 kg pail	48				48		Total Vol		1794.7	Total	9.1	Total Losses	-77.3
Fluid Types		Vol	bbl	Deviation Information										
Potassium Chloride brine		291.0		Survey MD		2,433.5 m								
				Survey TVD		2,433.2 m								
				Angle		1.58 Deg								
				Direction		330								
				Horiz Displ.		0.3 m								
Daily Products Cost		\$3,470.45	Total Daily Cost		\$5,970.45									
Cumulative Products Cost		\$169,907.59	Total Cumulative Cost		\$214,907.59									
Baroid Representatives		Brian Auckram		James Munford										
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555								
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445								

Daily Drilling Fluid Report

Date		06/13/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Wire Line logs							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data						
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi	Open Hole	8.500	1,843.5				Total GPM		AV, Riser	Circ Press psi		
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss		
ECD @ Csg Shoe	ppg							BU Time, min		AV max DC	Press Drop DP		
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An		
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #6						Fluid Type		KCI/Polymer			
Time		18:00						Rig Activity					
Depth	m	2,590						POOH to surface. Lay down 8 1/2" BHA. Service top drive. Rig up Schlumberger equipment. RIH with T/string #1 to 2500m and log as per programme. Pick up toolstring #2 RIH surface test tool #2. POOH. RIH MDT survey tool.					
FL Temp	Deq C												
Density @ Deq C	ppg	11.00											
FV @ Deq C	sec/qt	60 @ 25											
PV @ Deq C	cP	16 @ 49											
YP	lbs/100 ft2	29											
GELS	lbs/100 ft2	13/22/28											
600/300		61.0/45.0											
200/100		36.0/25.0											
6/3		13.0/11.0											
API Filt	ml/30 min	6.0											
HTHP @ Deq C	ml/30 min	12.0 @ 93											
Cake API/HTHP	32nd in	1/2											
Corr Solid	% by Vol	10.8											
NAP/Water	% by Vol	-/86.0											
Sand	% by vol	0.50											
MBT	ppb Eq.	10.0											
pH @ Deq C		9.50 @ 25											
ALK Mud	Pm	0.10											
ALK Filt	Pf/Mf	0.10/1.40											
Chlorides	mg/l	42,000											
Tot. Hardness	mg/l	360											
LGS/HGS	% by Vol	4.7/6.1											
LGS/HGS	ppb	43.17/89.72											
ASG	SG	3.500											
Additional Properties													
KCL %	% by vol	8.0											
KCL mg/l	mg/l	88,500											
Clayseal	% by vol	2.0											
PHPA Concentration	ppb	0.00											
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating	
ALDACIDE G	5 gal can	10			10		VSM-300					Trips	
Amodrill 1235	1500 l drum	2			2		VSM-300					Rig	
BARACOR 100	55 gal drum	4			4		VSM-300					Surveys	
BARA-DEFOAM W300	5 gal can	17			17							Fishing	
BARAZAN D PLUS	25 kg bag	109			109							Run Casing	
barite	1000 kg bulk	88.980			88.980							Coring	
BAROFIBRE FINE	25 lb bag	50			50							Reaming	
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone		Screens		Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39			39		D 16		16 4			Logging	
caustic soda	25 kg pail	31			31							Dir Work	
Circal 60/16	25 kg sack	143			143							Repair	
Circal Y	25 kg sack	286			286							Other	
citric acid	25 kg bag	21			21		Centrifuge		Speed		Feed Rate	Hrs	
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge		3,000		40.00	Total	
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00	Rotating	
CON DET	55 gal drum	8			8							ROP	
DEXTRID LTE	25 kg sack	75			75							Dil Rate	
EZ SPOT	55 gal drum	8			8							0.00	
EZ-MUD	25 kg pail	109			109								
EZ-MUD DP	25 kg bag	14			14		Annulus		Base		Fluid Dumped		
guar gum	25 kg bag	70			70		Pipe Cap		Drill Water		Transferred		
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000		Active Pits		382.7		Dewatering		
Kwikseal Fine	40 lb bag	38			38		Total Hole		834.7		Sea Water		
lime	25 kg bag	66			66		Total Circ		382.7		Whole Mud		
N-DRIL HT PLUS	50 lb bag	55			55		Reserve		579.0		Barite		
NO-SULF	17 kg pail	48			48		Prev Vol		1794.7		Chemicals		
Omyacarb 5	25 kg bulk	33,000			33,000		Net Change				Other		
							Total Vol		1796.4		Total		
											Total Losses		
Fluid Types		Vol bbl		Deviation Information									
Daily Products Cost		\$0.00		Total Daily Cost		\$2,500.00		Potassium Chloride brine		291.0		Survey MD	
Cumulative Products Cost		\$169,907.59		Total Cumulative Cost		\$217,407.59						Survey TVD	
Baroid Representatives		Brian Auckram		James Munford								Angle	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						Direction	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						Horiz Displ.	

Daily Drilling Fluid Report

Date		06/14/2008		Depth		2,590.0 m						
Spud Date		05/27/2008		Rig Activity		Wire Line logs						
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1						
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in ²							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time, min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #6						Fluid Type		KCl/Polymer		
Time		18:00						Rig Activity				
Depth	m	2,590						Cont. Schlumberger operations with MDT toolstring. POOH & lay down MDT. Puck up & make up VSP survey tools. RIH with VSP survey tools. POOH. RIH with CST.				
FL Temp	Deg C	25										
Density @ Deg C	ppg	11.00										
FV @ Deg C	sec/qt	60 @ 25										
PV @ Deg C	cP	16 @ 49										
YP	lbs/100 ft ²	29										
GELS	lbs/100 ft ²	13/22/28										
600/300		61.0/45.0										
200/100		36.0/25.0										
6/3		13.0/11.0										
API Filt	ml/30 min	6.0										
HTHP @ Deg C	ml/30 min	12.0 @ 93										
Cake API/HTHP	32nd in	1/2										
Corr Solid	% by Vol	10.8										
NAP/Water	% by Vol	-86.0										
Sand	% by vol	0.50										
MBT	ppb Eq.	10.0										
pH @ Deg C		9.50 @ 25										
ALK Mud	Pm	0.10										
ALK Filt	Pf/Mf	0.10/1.40										
Chlorides	mg/l	42,000										
Tot. Hardness	mg/l	360										
LGS/HGS	% by Vol	4.7/6.1										
LGS/HGS	ppb	43.17/89.72										
ASG	SG	3.500										
Additional Properties												
KCL %	% by vol	8.0										
KCL mg/l	mg/l	88,500										
Clayseal	% by vol	2.0										
PHPA Concentration	ppb	1.80										
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating
ALDACIDE G	5 gal can	10			10		VSM-300					Trips
Amodrill 1235	1500 l drum	2			2		VSM-300					Rig
BARACOR 100	55 gal drum	4			4		VSM-300					Surveys
BARA-DEFOAM W300	5 gal can	17			17							Fishing
BARAZAN D PLUS	25 kg bag	109			109							Run Casing
barite	1000 kg bulk	88.980			88.980							Coring
BAROFIBRE FINE	25 lb bag	50			50							Reaming
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39			39		D 16	16 4				Logging
caustic soda	25 kg pail	31			31							Dir Work
Circa 60/16	25 kg sack	143			143							Repair
Circa Y	25 kg sack	286			286							Other
citric acid	25 kg bag	21			21		Centrifuge	Speed	Feed Rate	Hrs	Total	
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge	3,000	40.00		24.0	
CON DET	5 gal can	32			32		Centrifuge	3,000	40.00		Rotating	
CON DET	55 gal drum	8			8							ROP
DEXTRID LTE	25 kg sack	75			75							Dil Rate
EZ SPOT	55 gal drum	8			8							0.00
EZ-MUD	25 kg pail	109			109							
EZ-MUD DP	25 kg bag	14			14							
guar gum	25 kg bag	70			70							
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000							
Kwikseal Fine	40 lb bag	38			38							
lime	25 kg bag	66			66							
N-DRIL HT PLUS	50 lb bag	55			55							
NO-SULF	17 kg pail	48			48							
Omyacarb 5	25 kg bulk	33,000			33,000							
Fluid Types		Vol	bbl	Deviation Information								
Daily Products Cost		\$0.00	Total Daily Cost	\$2,500.00		Potassium Chloride brine	291.0	Survey MD	2,433.5 m			
Cumulative Products Cost		\$169,907.59	Total Cumulative Cost	\$219,907.59				Survey TVD	2,433.2 m			
Baroid Representatives		Brian Auckram		James Munford				Angle	1.58 Deg			
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555		Direction	330			
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445		Horiz Displ.	0.3 m			

Daily Drilling Fluid Report

Date		06/15/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Plugging Back							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	2.875 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	N/A/Cement stringer	Drill Pipe	5.500	3.250	2,038.0	30.000	@ 128.0	Bore in	6.500	6.500	6.500		
Jets	1x32					13.375	@ 746.5	Strokes in	14.000	14.000	14.000		
TFA	0.785 sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	2,038.0 m	Open Hole	8.500		1,843.5			Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time , min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source	Flow Line							Fluid Type					
Time	18:00							KCI/Polymer					
Depth	m	2,590						Prepared Hi-vis pill for cement programme.					
FL Temp	Deq C												
Density @ Deq C	ppg	11.00											
FV @ Deq C	sec/qt	60 @ 25											
PV @ Deq C	cP	16 @ 49											
YP	lbs/100 ft2	29											
GELS	lbs/100 ft2	13/22/28											
600/300		61.0/45.0											
200/100		36.0/25.0											
6/3		13.0/11.0											
API Filt	ml/30 min	6.0											
HTHP @ Deq C	ml/30 min	12.0 @ 93											
Cake API/HTHP	32nd in	1/2											
Corr Solid	% by Vol	10.8											
NAP/Water	% by Vol	-86.0											
Sand	% by vol	0.50											
MBT	ppb Eq.	10.0						Rig Activity					
pH @ Deq C		9.50 @ 25						Cont. RIH with CST toolstring. Commence CST as per programme. POOH. Rig down Schlumber equipment. Rig up for 2 7/8" cement stringer. Pick up and make up cement stringer. RIH to 2308m. Circ. bottoms up. Set 1st plug @ 2308m. POOH 4stds to 2189m. Circ. bottoms up. Set 2nd cement plug @ 2189m. POOH 5 stds to 2032m. Circ. bottoms up. RIH to tag cement @ 2091m. POOH to 2038m.					
ALK Mud	Pm	0.10											
ALK Filt	Pf/Mf	0.10/1.40											
Chlorides	mg/l	42,000											
Tot. Hardness	mg/l	360											
LGS/HGS	% by Vol	4.7/6.1											
LGS/HGS	ppb	43.17/89.72											
ASG	SG	3.500											
Additional Properties													
KCL %	% by vol	8.0											
KCL mg/l	mg/l	88,500											
Clayseal	% by vol	2.0											
PHPA Concentration	ppb	1.80											
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating	
BARAZAN D PLUS	25 kg bag	109		2	107	\$304.48	VSM-300					Trips	
ALDACIDE G	5 gal can	10		1	9	\$69.90	VSM-300					Rig	
Amodrill 1235	1500 l drum	2			2		VSM-300					Surveys	
BARACOR 100	55 gal drum	4			4							Fishing	
BARA-DEFOAM W300	5 gal can	17			17							Run Casing	
barite	1000 kg bulk	88.980			88.980							Coring	
BAROFIBRE FINE	25 lb bag	50			50							Reaming	
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone		Cones		Screens	Hrs	
calcium chloride flake 77%	25 kg bag	39			39		D 16		16 4			Testing	
caustic soda	25 kg pail	31			31							Logging	
Circa 60/16	25 kg sack	143			143							Dir Work	
Circa Y	25 kg sack	286			286							Repair	
citric acid	25 kg bag	21			21							Other	
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge		Speed		Feed Rate	Hrs	
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00	Total	
CON DET	55 gal drum	8			8		Centrifuge		3,000		40.00	Rotating	
DEXTRID LTE	25 kg sack	75			75							ROP	
EZ SPOT	55 gal drum	8			8							Dil Rate	
EZ-MUD	25 kg pail	109			109								
EZ-MUD DP	25 kg bag	14			14								
guar gum	25 kg bag	70			70								
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000								
Kwikseal Fine	40 lb bag	38			38								
lime	25 kg bag	66			66								
N-DRIL HT PLUS	50 lb bag	55			55								
NO-SULF	17 kg pail	48			48								
Omyacarb 5	25 kg bulk	33,000			33,000								
Fluid Volume Breakdown		KCI/Polymer											
Annulus	508.7	Base		Fluid Dumped									
Pipe Cap	68.6	Drill Water		Transferred									
Active Pits	383.0	Dewatering		SCE									-159.8
Total Hole	704.4	Sea Water		Evaporation									
Total Circ	960.3	Whole Mud		Trips									
Reserve	593.0	Barite		Other									-50.0
Prev Vol	1796.4	Chemicals	0.3	Total Surface									
Net Change	-209.5	Other		Downhole									
Total Vol	1680.4	Total	0.3	Total Losses									-209.8
Fluid Types		Vol bbl		Deviation Information									
Survey MD	2,433.5 m												
Survey TVD	2,433.2 m												
Angle	1.58 Deg												
Direction	330												
Horiz Displ.	0.3 m												
Daily Products Cost	\$374.38	Total Daily Cost		\$2,874.38									
Cumulative Products Cost	\$170,281.97	Total Cumulative Cost		\$222,781.97									
Baroid Representatives		Brian Auckram		James Munford									
Office	90 Talinga Rd Melbourne	Telephone	61-03-9581-7555										
Warehouse	c/o of Esso Australia Ltd	Telephone	61-3-56-881-445										

Daily Drilling Fluid Report

Date		06/17/2008		Depth		2,590.0 m						
Spud Date		05/27/2008		Rig Activity		Cut casing weld bowl						
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1						
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time, min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source								Fluid Type				
Time								Seawater				
Depth												
FL Temp												
Density @ Deg C												
FV @ Deg C												
PV @ Deg C												
YP												
GELS												
600/300												
2000/100												
6/3												
API Filt												
HTHP @ Deg C												
Cake API/HTHP												
Corr Solid												
NAP/Water												
Sand												
MBT												
pH @ Deg C												
ALK Mud												
ALK Filt												
Chlorides												
Tot. Hardness												
LGS/HGS												
LGS/HGS												
ASG												
Additional Properties												
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling Circulating Trips Rig Surveys Fishing Run Casing Coring Reaming
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				
ALDACIDE G		5 gal can	9			9		VSM-300				2.5
Amodrill 1235		1500 l drum	2			2		VSM-300				
BARACOR 100		55 gal drum	4			4		VSM-300				21.5
BARA-DEFOAM W300		5 gal can	17			17						
BARAZAN D PLUS		25 kg bag	107			107						24.0
barite		1000 kg bulk	88.980			88.980						
BAROFIBRE FINE		25 lb bag	50			50						0.00
bentonite		1000 kg bulk	51.570			51.570						
calcium chloride flake 77%		25 kg bag	39			39						21.5
caustic soda		25 kg pail	31			31						
Circal 60/16		25 kg sack	143			143						24.0
Circal Y		25 kg sack	286			286						
citric acid		25 kg bag	21			21						0.00
CLAYSEAL PLUS		216 kg drum	29			29						
CON DET		5 gal can	32			32						0.00
CON DET		55 gal drum	8			8						
DEXTRID LTE		25 kg sack	75			75						0.00
EZ SPOT		55 gal drum	8			8						
EZ-MUD		25 kg pail	109			109						0.00
EZ-MUD DP		25 kg bag	14			14						
guar gum		25 kg bag	70			70						0.00
KCL Tech Grade (bulk)		1000 kg bulk	2.000			2.000						
Kwikseal Fine		40 lb bag	38			38						0.00
lime		25 kg bag	66			66						
N-DRIL HT PLUS		50 lb bag	55			55						0.00
NO-SULF		17 kg pail	48			48						
Omyacarb 5		25 kg bulk	33.000			33.000						0.00
Daily Products Cost		\$0.00	Total Daily Cost				\$2,500.00					2,433.5 m
Cumulative Products Cost		\$170,281.97	Total Cumulative Cost				\$227,781.97					
Baroid Representatives		Brian Auckram		James Munford								1.58 Deg
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						0.3 m
Fluid Types		Vol bbl	Deviation Information									
			Survey MD									2,433.2 m
			Survey TVD									
			Angle									330
			Direction									
			Horiz Displ.									0.3 m

Daily Drilling Fluid Report

Date		06/18/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Rig up and rig down							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time, min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source								Fluid Type					
Time								Seawater					
Depth								Rig Activity Cont. cut casing @ 98.4m. No success. Attempt cutting 20" & 30" casing with cutter assembly #2 @ 96.8m. POOH. Skid rig in. Lay out well head. Disengage tools from well head.					
FL Temp													
Density @ Deg C													
FV @ Deg C													
PV @ Deg C													
YP													
GELS													
600/300													
200/100													
6/3													
API Filt													
HTHP @ Deg C													
Cake API/HTHP													
Corr Solid													
NAP/Water													
Sand													
MBT													
pH @ Deg C													
ALK Mud													
ALK Filt													
Chlorides													
Tot. Hardness													
LGS/HGS													
LGS/HGS													
ASG													
Additional Properties													
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling Circulating Trips Rig Surveys Fishing Run Casing Coring Reaming	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300						4.5
ALDACIDE G	5 gal can	9			9		VSM-300						
Amodrill 1235	1500 l drum	2			2		VSM-300						
BARACOR 100	55 gal drum	4			4		VSM-300						
BARA-DEFOAM W300	5 gal can	17			17								
BARAZAN D PLUS	25 kg bag	107			107								
barite	1000 kg bulk	88.980			88.980								
BAROFIBRE FINE	25 lb bag	50			50								
bentonite	1000 kg bulk	51.570			51.570								
calcium chloride flake 77%	25 kg bag	39			39		Hydrocyclone		Cones		Screens	Hrs	
caustic soda	25 kg pail	31			31		D 16		16 4				
Circal 60/16	25 kg sack	143			143								
Circal Y	25 kg sack	286			286								
citric acid	25 kg bag	21			21		Centrifuge		Speed		Feed Rate	Hrs	
CLAYSEAL PLUS	216 kg drum	29			29		3,000		40.00				
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00		
CON DET	55 gal drum	8			8								
DEXTRID LTE	25 kg sack	75			75								
EZ SPOT	55 gal drum	8			8								
EZ-MUD	25 kg pail	109			109								
EZ-MUD DP	25 kg bag	14			14		Annulus		Base		Fluid Dumped		
guar gum	25 kg bag	70			70		Pipe Cap		Drill Water		Transferred		
KCL Tech Grade (bulk)	1000 kg bulk	2.000			2.000		Active Pits		Dewatering		SCE		
Kwikseal Fine	40 lb bag	38			38		Total Hole		834.7		Evaporation		
lime	25 kg bag	66			66		Total Circ				Trips		
N-DRIL HT PLUS	50 lb bag	55			55		Reserve		Whole Mud		Other		
NO-SULF	17 kg pail	48			48		Prev Vol		834.7		Total Surface		
Omyacarb 5	25 kg bulk	33.000			33.000		Net Change		Other		Downhole		
							Total Vol		834.7		Total Losses		
Fluid Types		Vol bbl		Deviation Information									
Daily Products Cost		\$0.00		Total Daily Cost		\$2,500.00		Survey MD		2,433.5 m			
Cumulative Products Cost		\$170,281.97		Total Cumulative Cost		\$230,281.97		Survey TVD		2,433.2 m			
Baroid Representatives		James Munford		Telephone		61-03-9581-7555		Angle		1.58 Deg			
Office		90 Talinga Rd Melbourne		Telephone		61-3-56-881-445		Direction		330			
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445		Horiz Displ.		0.3 m			

Nexus Energy

POST JOB REPORTS
CEMENTING

Well Name : Garfish - 1

**Bass Strait
West Triton**

CEMENT CONDUCTOR CASING 14161

**Prepared for S.Schmidt
29/05/2008**

Prepared by A.Kelly

HALLIBURTON

The Future is Working Together.

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the use of the information given in this report

HALLIBURTON

CEMENTING PAPERWORK ENTRY SHEET

BACK
TO
MAIN

OUTPUT
SHEET

DATE?

SALES ORDER No.?

CUSTOMER? [UPDATE LIST](#)

WELL NAME?

LOCATION/FIELD NAME?

COUNTRY?

HES REP?

CUSTOMER REP?

WELL TYPE?

JOB TYPE?

JOB PURPOSE CODE?

BDA?

RIG NAME/NUMBER?

PERSONNEL ON JOB [UPDATE LIST](#)

NAME	HOURS	NAME	HOURS
Anthony Kelly	12		
Rod Stares	12		

EQUIPMENT [UPDATE LIST](#)

PUMPING/MIXING UNIT	HOURS	VEHICLES/TRAILERS	HOURS
SKID PUMP CMT TWIN HT400 ADVANTAGE 10851913	3		
Electric Hydraulic Package 10851913	3		
4 Tank Electric CMS 109658	0		

BULK SUPPLY/TANKS	HOURS	OTHER EQUIPMENT	HOURS
Rig supplied Bulk system			

CASING EQUIPMENT [UPDATE LIST](#)

FLOAT EQUIPMENT	QTY	PLUGS	QTY

CASING ATTACHMENTS	QTY	OTHER	QTY

WELL PROFILE

NEW CASING

SIZE	WEIGHT	GRADE	THREAD	START DEPTH (MD)	
30 x 24" in	399.7 ppf			0	m
				END DEPTH (MD)	129.65 m
				END DEPTH (TVD)	m

PREVIOUS CASING 1

SIZE	WEIGHT	GRADE	THREAD	START DEPTH (MD)	
in	ppf				m
				END DEPTH (MD)	m

PREVIOUS CASING 2

SIZE	WEIGHT	GRADE	THREAD	START DEPTH (MD)	
in	ppf				m
				END DEPTH (MD)	m

HOLE 1

SIZE	EXCESS	Caliper Volume?	START DEPTH (MD)	
36 in	200%	<small>If unknown leave blank</small> cuft	94.25	m
			END DEPTH (MD)	129.65 m

HOLE 2

SIZE	EXCESS	Caliper Volume?	START DEPTH (MD)	
in		<small>If unknown leave blank</small> cuft		m
			END DEPTH (MD)	m

DRILLPIPE DATA (FOR PLUGS AND LINERS)

SIZE	WEIGHT	GRADE	THREAD
5 1/2 in	24.7 ppf	S135	XT 57

SLURRY DESIGN

[UPDATE LIST](#)

SLURRY 1

ESTIMATED TOP m
OF SLURRY (If unknown leave blank)

DENSITY ppg

YIELD cuft/sk

WATER gal/sk

Total MIX Fluid gal/sk

CEMENT TYPE
Weight/sk lb/sk
Total CMT Used sks

WATER SOURCE

SLURRY 2

ESTIMATED TOP m
OF SLURRY (If unknown leave blank)

DENSITY ppg

YIELD cuft/sk

WATER gal/sk

Total MIX Fluid gal/sk

CEMENT TYPE
Weight/sk lb/sk
Total CMT Used sks

WATER SOURCE

SLURRY 3

ESTIMATED TOP m
OF SLURRY (If unknown leave blank)

DENSITY ppg

YIELD cuft/sk

WATER gal/sk

Total MIX Fluid gal/sk

CEMENT TYPE
Weight/sk lb/sk
Total CMT Used sks

WATER SOURCE

ADDITIVES	CONC	UNIT	TOTAL USED
Calcium Chloride	1	%BWOC	26 lbs
NF-6			2 gals

ADDITIVES	CONC	UNIT	TOTAL USED
			gals
			gals
			gal

ADDITIVES	CONC	UNIT	TOTAL USED

BACK TO TOP

PUMPING SCHEDULE

FLUID	VOLUME (BBLs)	DENSITY (PPG)	RATE (BPM)
1 sea water	10	8.54	8
2 Sea water	90	8.54	8
3 Cement + 1% Cal/Chl	150	15.9	5
4 Sea Water	24	15.9	8
5			
6			
7			
8			
9			
10			
11			
12			

HALLIBURTON

PRE JOB OPERATIONAL CHECKLIST

WELL NAME Garfish

DATE 29/05/2008

JOB DETAIL 30in Conductor casing

HES REP A.Kelly

COMP REP S. Schmidt

JSA's reviewed Yes

Unit checklist signed Yes

Correct PPE onsite Yes

MSDS for chemicals available Yes

VOLUMES

Spacers 100 bbls

Lead slurry 150 bbls

Tail Slurry bbls

Displacement 24 bbls

Top Up Job NO bbls

TARGET RATE

7 BPM

5 BPM

 BPM

7 BPM

PRESSURE

Surface Lines test 1000 psi

Casing Pressure test psi

Max pressure allowed psi

Kickouts/PRV set to max psi allowed 1500 psi ***CRITICAL***

Max Rate Allowed 4 bpm

DATA RECORDING

Unipro / Chart recorder Functional & ON Yes ***CRITICAL***

Previous Jobs Downloaded yes

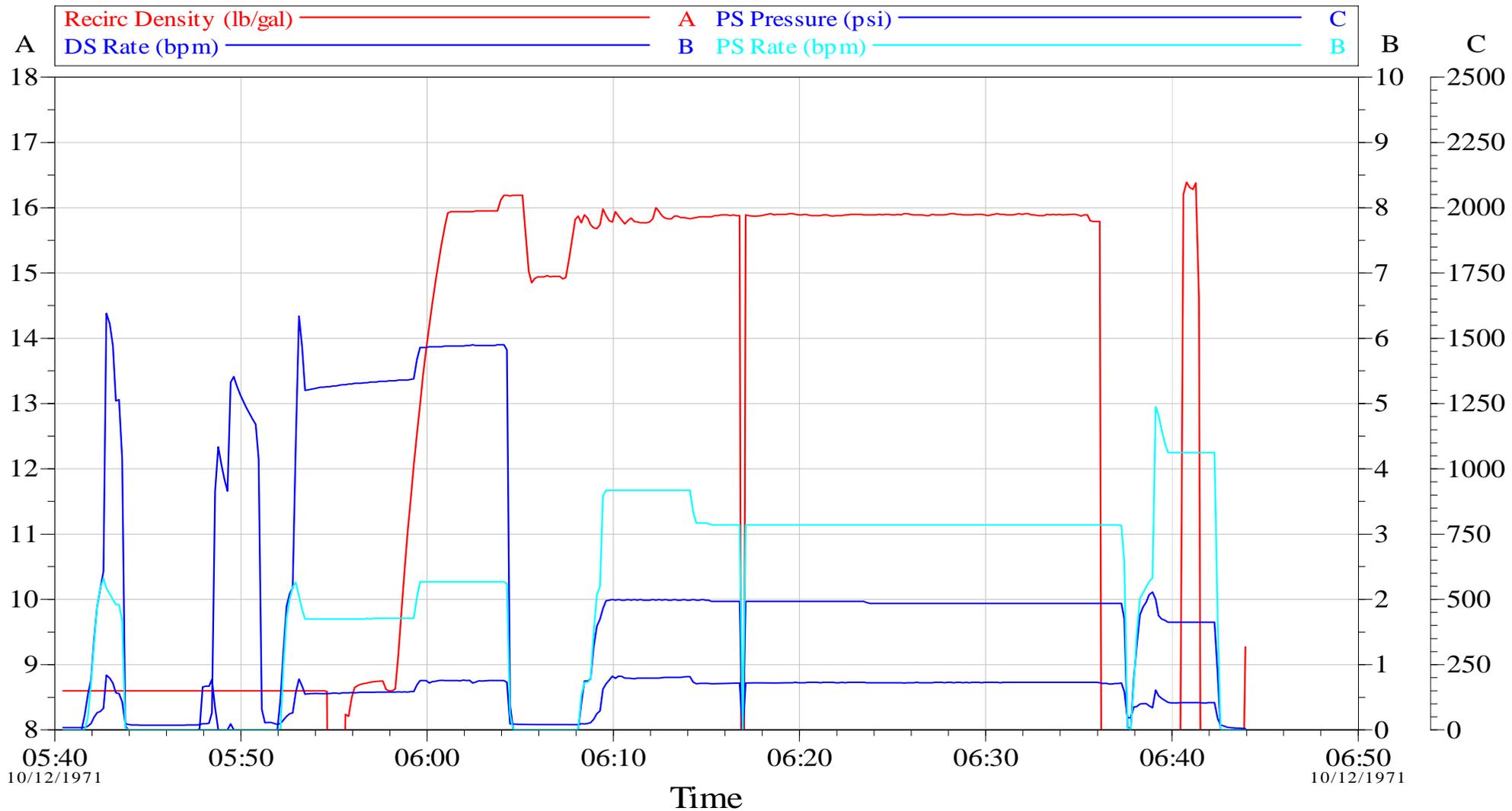
WELL CONDITIONS

Any Abnormal conditions expected,any instructions?

N/A

REMEMBER - AT ANY TIME THE JOB PARAMETERS CHANGE OR THERE IS AN UNPLANNED EVENT, STOP THE JOB ,STEP BACK AND COMMUNICATE WITH YOUR WORK PARTY THE NEW PLAN

Garfish # 1, 30" Conductor



Customer: Nexus
Well Desc: Garfish # 1

Job Date: 29/05/08
Job: 30" conductor

CemWin v1.7.2
29-May-08 15:08

COMMENTS

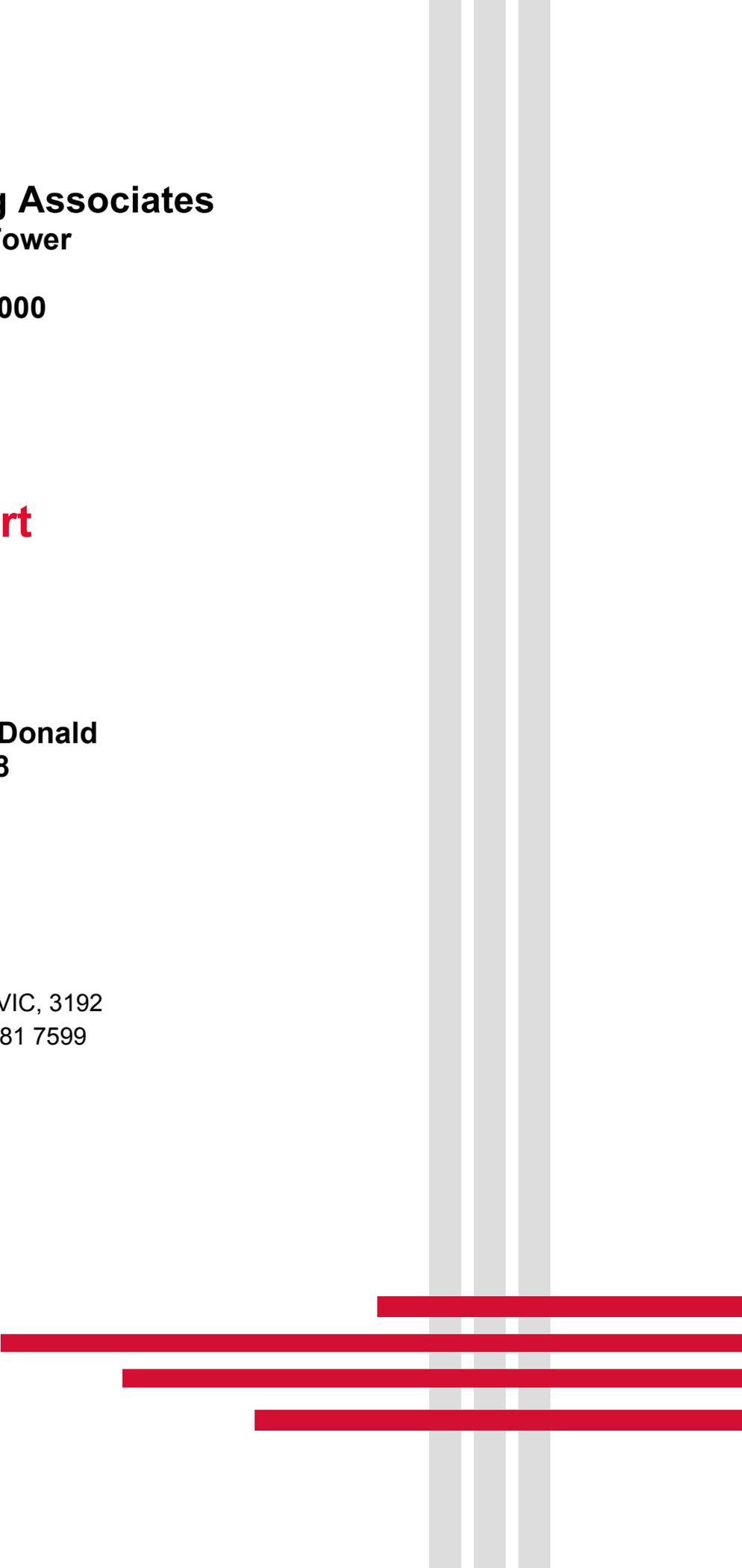
Australian Drilling Associates
Level 5, Rialto North Tower
525 Collins St
Melbourne, Victoria, 3000

Garfish-1
Post Job Report

Prepared for Carl MacDonald
Tuesday, 17 June 2008

Submitted by Dave Webb
Halliburton Australia Pty Ltd
90 Talinga Rd, Cheltenham, VIC, 3192
Ph: 03 9581 7536 Fax: 03 9581 7599

HALLIBURTON



90 Talinga Road
Cheltenham, Vic 3192
Tel: +61 3 9583 7500
Fax: +61 3 9583 7599

Tuesday, 17 June 2008

Carl MacDonald
Australian Drilling Associates
Level 5, Rialto North Tower
525 Collins St
Melbourne, Victoria, 3000

Carl,

Re: Garfish-1

Included for your review is a copy of the Post Job Report of the Garfish-1 cementing operations. The PJR includes the programs, job logs, and lab reports.

I trust this PJR meets the requirements of ADA and with insight and reflection provides sufficient detail for future reference.

Yours sincerely,

Dave Webb
Associate Technical Professional

cc
Prem kumar Salibendla
Technical Professional

Allan Hatfield
Cementing Service Coordinator

Table of Contents

- 1.0 SUMMARY OF OPERATIONS 4
 - 1.1 LESSONS LEARNT 4
- 2.0 CEMENT PROGRAM 30IN & 13 3/8IN 5
 - 2.1 30INCH CASING CEMENT JOB DETAILS 6
 - 2.1.1 30in Casing Job Procedure 7
 - 2.2 13 3/8INCH CEMENT JOB DETAILS 8
 - 2.2.1 13 3/8in Casing Job Procedure 10
- 3.0 CEMENT PROGRAM 7IN LINER 11
 - 3.1.1 7in Liner Details 12
 - 3.1.2 7in Liner Job Procedure 14
 - 3.1.3 Guidelines for Preparation of Tuned Spacer E+ 15
- 4.0 CEMENT PROGRAM P&A 16
 - 4.1 PLUG#1A 17
 - 4.1.1 Plug #1a` Job Procedure 18
 - 4.2 PLUG#1B DETAILS 19
 - 4.2.1 Plug #1b` Job Procedure 20
 - 4.3 PLUG#2 DETAILS 21
 - 4.3.1 Plug #2 Job Procedure 22
 - 4.4 PLUG#3 DETAILS 23
 - 4.4.1 Plug # 3 Job Procedure 24
 - 4.5 GUIDELINES FOR PREPARATION OF CEMENT MIXWATER 25
 - 4.6 PLUG SETTING RECOMMENDATIONS 26
- 5.0 LAB REPORTS 27
- 6.0 JOB SUMMARY, EJCS, JOB LOGS 39
 - 6.1 30 INCH CONDUCTOR CASING 39
 - 6.1.1 Job Summary 39
 - 6.1.2 Job Logs 40
 - 6.1.3 KPI & EJCS 41
 - 6.2 13 3/8" CASING 42
 - 6.2.1 Job Summary 42
 - 6.2.2 JOB LOGS 44
 - 6.2.3 KPI & EJCS 45
 - 6.2.4 Pumping Char 47
 - 6.3 P&A PLUGS 48
 - 6.3.1 KPI&EJCS 48
 - 6.3.2 SUMMARY 49
 - 6.3.3 JOB LOGS 50
 - 6.3.4 PUMPING CHARTS 52

1.0 Summary of operations

Cementation on Garfish-1 well was completed as follows

- 30" Conductor casing was cemented on the 29th of May 2008
- 13 3/8" Surface Casing was cemented on the 2nd of June 2008
- Plug and abandonment of the well was completed on the 16th June 2008.

1.1 Lessons Learnt

The job was performed in a safe manner and executed according to plan

2.0 Cement Program 30in & 13 3/8in

The following program illustrates the cementation of 30in, 13 3/8in casings and contingent 7in liner followed by P&A program on Garfish-1 well.

Revision History

Draft 1 & 2	Initial programs	
Draft 3	22 nd May 2008	Changed name of the well from Longtom upper to Garfish -1 and updated with 7in liner and P&A program
Revision 1	22 nd May 2008	7in Program separated in to new program

2.1 30inch Casing Cement Job Details

JOB PARAMETERS

Casing measured depth:	132m	BHST temperature:	25°C
True vertical depth:	132m	BHCT temperature:	21°C
Depth to top cement:	99m	Drilling mud type:	Seawater + Sweeps
		Drilling mud density:	8.55ppg

WELLBORE

Casing/Tubing (Inner string job)

0-132m	5 1/2in 21.9ppf Tubing
0-132m	30in 309.7ppf Casing

Annulus

0-99m	RKB-ML
99-132m	36in open hole (200% excess)

SPACERS

Spacer #1 - 80.0bbl Seawater at 6.72ppg

Seawater	42.00 gal/bbl	(21m OH annular fill / 10min contact time)
		Estimated Pv: 1cP

Spacer #2 - 20.0bbl Seawater + Dye at 13.00ppg

Seawater	41.98 gal/bbl	(5m OH annular fill / 3min contact time)
Fluorescein Dye	0.20 lb/bbl	Estimated Pv: 26cP
		Estimated Yp: 26lbs/100ft ²

Contact times are based on the displacement rate.

CEMENT

Composition

Adelaide Brighton Class G	
Calcium Chloride 1%	1.00 %BWOC
Seawater	5.16 gal/sk
NF-6	0.125 gal/10bblMF

Properties

Surface density:	15.90 ppg
Surface yield:	1.17 ft ³ /sk
Total mixing fluid:	5.20 gal/sk
Thickening time (70 Bc):	2:30
Comp strength at 24°C	50 psi in 3 hrs
Comp strength at 24°C	500 psi in 7 hrs
Comp strength at 24°C	2,000 psi in 24 hrs

Note that %BWOC are based on a 94 lb sack

VOLUME CALCULATIONS

Cement

30in Casing / 36in hole volume	33 m x 1.2620 bbl/m	41.6 bbl
30in Casing / 36in hole excess	2.00 x 41.6 bbl	83.3 bbl
		Total slurry volume =124.9 bbl

Quantity of cement	124.9 bbl x 5.6146 / 1.17 ft ³ /sk	600 sks
Quantity of mix fluid	600 sks x 5.20 gal/sk	74.3 bbl

Displacement

5 1/2in Tubing volume	132 m x 0.0728 bbl/m	9.6 bbl
		Total displacement volume =9.6 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1.5 x Casing volume:	14.4	8.0	2
Pump spacers:	100.0	8.0	13
Release ball/bottom plug:	N/A	N/A	5
Mix & pump cement:	124.9	5.0	25
Release dart/top plug:	N/A	N/A	5
Pump displacement:	9.6	8.0	1
<i>Total job time (including circulation):</i>			81 min
<i>Minimum cement thickening time (with 2hr safety factor):</i>			151 min
			1hr 21min
			2hr 31min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer #1 - Seawater

Seawater 80 bbl

Spacer #2 - Seawater + Dye

Seawater 20 bbl

Fluorescein Dye 4 lb

Cement

Adelaide Brighton Class G 26 MT(610 ft³)

Calcium Chloride 1% 564 lbs

Seawater 73.7 bbl

NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

2.1.1 30in Casing Job Procedure

- 1) Run casing, install false rotary and run innerstring
- 2) Stab in to float shoe and establish circulation
- 3) Pressure test lines by pumping 10bbbls of SW
- 4) Pump 70bbbls of seawater
- 5) Pump 20bbbls of dye coloured seawater
- 6) Mix and pump 125bbbls of 15.9ppg cement slurry
- 7) Displace with 10bbbls of seawater
- 8) Bleed off and check floats
- 9) Unsting from float shoe and circulate drill pipe clean. Drop a wiper ball to aid in cleaning

2.2 13 3/8inch Cement Job Details

JOB PARAMETERS

Casing measured depth:	750m	BHST temperature:	50°C
True vertical depth:	750m	BHCT temperature:	34°C
Depth to top lead:	99m	Drilling mud type:	WBM
Depth to top tail:	650m	Drilling mud density:	8.70ppg

WELLBORE

Casing/Tubing (Inner string job)

0-748m	5 1/2in 21.9ppf Tubing
0-750m	13 3/8in 72ppf Casing

Annulus

0-132m	30in 309.7ppf casing (28in ID)
132-750m	17.5in open hole (50% excess)

SPACERS

Spacer - 100.0bbl Seawater at 6.72ppg

Seawater	42.00 gal/bbl	(164m OH annular fill / 13min contact time)
		Estimated Pv: 1cP

Contact times are based on the displacement rate.

LEAD CEMENT

Composition		Properties	
Adelaide Brighton Class G		Surface density:	12.50 ppg
Econolite Liquid	15.00 gal/10bbIMF	Surface yield:	2.19 ft³/sk
Seawater	12.42 gal/sk	Total mixing fluid:	12.88 gal/sk
NF-6	0.125 gal/10bbIMF	Thickening time (70 Bc):	3:45
		Comp strength at 34°C:	50 psi in 4 hrs
		Comp strength at 34°C:	500 psi in 6 hrs
		Comp strength at 34°C:	2,000 psi in 24 hrs

TAIL CEMENT

Composition		Properties	
Adelaide Brighton Class G		Surface density:	15.90 ppg
CFR-3L	3.00 gal/10bbIMF	Surface yield:	1.16 ft³/sk
HR-6L	2.00 gal/10bbIMF	Total mixing fluid:	5.13 gal/sk
Seawater	5.07 gal/sk	Thickening time (70 Bc):	3:00
NF-6	0.125 gal/10bbIMF	Comp strength at 45°C:	50 psi in 4 hrs
		Comp strength at 45°C:	500 psi in 6 hrs
		Comp strength at 45°C:	2,000 psi in 24 hrs

VOLUME CALCULATIONS

Lead Cement

13 3/8in Casing / 30in casing volume	33 m x 1.9285 bbl/m	63.6 bbl
13 3/8in Casing / 17.5in hole volume	518 m x 0.4059 bbl/m	210.3 bbl
13 3/8in Casing / 17.5in hole excess	0.50 x 210.3 bbl	105.1 bbl

Total lead slurry volume =379.0 bbl

2.2.1 13 3/8in Casing Job Procedure

- 10) Rig up surface lines, Innerstring cementing pump in sub
- 11) Close PCA (The innerstring will not be stabbed in)
- 12) Establish circulation
- 13) Pressure test lines to maximum job pressure
- 14) Pump 100bbls seawater
- 15) Pump 379bbls of lead cement
- 16) Pump 61bbls of tail cement
- 17) Drop a foam wiper ball
- 18) Displace with 55.5bbls of well fluid (If using a foam ball do not overdisplace and force ball into valve)
- 19) Open PCA
- 20) Forward circulate drill pipe clean

3.0 Cement Program 7in Liner

The following program outlines the cementation of 7in liner on Garfish-1 well.

Revision History

Draft 1	30 th May 2008	Initial program
Draft 2	2 nd June 2008	Changed TOC and Liner top

3.1.1 7in Liner Details

JOB PARAMETERS

Liner measured depth:	2,100m	BHST temperature:	102°C
True vertical depth:	2,045m	BHCT temperature:	76°C
Depth to top lead (DP in):	600m	Drilling mud type:	WBM
Depth to top tail:	1,870m	Drilling mud density:	11.00ppg

WELLBORE

Liner/Tubing

0-600m	5 1/2in 21.9ppf Tubing (13Cr80 FOX)
600-2,100m	7in 29ppf Liner

Annulus

0-750m	13 3/8in 72ppf casing (12.347in ID)
750-2,100m	8.5in open hole (10% excess)

SPACERS

Spacer #1 - 20.0bbl Freshwater at 8.33ppg

Freshwater	42.00 gal/bbl	(245m OH annular fill / 3min contact time)
		Estimated Pv: 1cP

Spacer #2 - 30.0bbl Tuned Spacer E+ at 13.00ppg

Freshwater	34.26 gal/bbl	(368m OH annular fill / 4min contact time)
Tuned Spacer E+	14.40 lb/bbl	Estimated Pv: 30cP
Barite	245.63 lb/bbl	Estimated Yp: 26lbs/100ft ²

Contact times are based on the displacement rate.

LEAD CEMENT

Composition

Adelaide Brighton Class G	
Gascon	35.00 gal/10bblMF
CFR-3L	3.00 gal/10bblMF
Halad -413L	10.00 gal/10bblMF
SCR-100L	6.00 gal/10bblMF
Freshwater	10.72 gal/sk
NF-6	0.25 gal/10bblMF

Properties

Surface density:	12.50 ppg
Surface yield:	2.12 ft ³ /sk
Total mixing fluid:	12.31 gal/sk
Thickening time (70 Bc):	7:00
Free water vert at 76°C:	Trace %
Fluid loss at 76°C:	<100 cc/30min
Comp strength at 76°C:	50 psi in 8 hrs
Comp strength at 76°C:	1,000 psi in 24 hrs

TAIL CEMENT

Composition

Adelaide Brighton Class G	
CFR-3L	4.00 gal/10bblMF
Halad -413L	30.00 gal/10bblMF
SCR-100L	5.00 gal/10bblMF
Gascon	10.00 gal/10bblMF
Freshwater	4.57 gal/sk
NF-6	0.25 gal/10bblMF

Properties

Surface density:	15.80 ppg
Surface yield:	1.17 ft ³ /sk
Total mixing fluid:	5.18 gal/sk
Thickening time (70 Bc):	4:00
Free water vert at 76°C:	Trace %
Fluid loss at 76°C:	<50 cc/30min
Comp strength at 101.8°C	50 psi in 5 hrs
Comp strength at 101.8°C	500 psi in 6 hrs
Comp strength at 101.8°C	2,000 psi in 24 hrs

VOLUME CALCULATIONS

Lead Cement

7in Liner / 13 3/8in casing volume	150 m x 0.3297 bbl/m	49.5 bbl
7in Liner / 8.5in hole volume	1,120 m x 0.0741 bbl/m	83.0 bbl
7in Liner / 8.5in hole excess	0.10 x 83.0 bbl	8.3 bbl
Total lead slurry volume =140.7 bbl		

Quantity of lead cement	140.7 bbl x 5.6146 / 2.12 ft ³ /sk	373 sacks
Quantity of lead mix fluid	373 sacks x 12.31 gal/sk	109.3 bbl

Tail Cement

7in Liner / 8.5in hole volume	230 m x 0.0741 bbl/m	17.0 bbl
7in Liner / 8.5in hole excess	0.10 x 17.0 bbl	1.7 bbl
Shoe track volume	24 m x 0.1219 bbl/m	2.9 bbl
Total tail slurry volume =21.7 bbl		

Quantity of tail cement	21.7 bbl x 5.6146 / 1.17 ft ³ /sk	104 sks
Quantity of tail mix fluid	104 sks x 5.18 gal/sk	12.8 bbl

Displacement

5 1/2in Tubing volume	600 m x 0.0728 bbl/m	43.7 bbl
7in Liner volume	1,476 m x 0.1219 bbl/m	179.9 bbl
Total displacement volume =223.5 bbl		

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1.5 x Casing volume:	339.6	8.0	42
Pump spacers:	50.0	8.0	6
Release ball/bottom plug:	N/A	N/A	5
Mix & pump lead cement:	140.7	5.0	28
Mix & pump tail cement:	21.7	5.0	4
Release dart/top plug:	N/A	N/A	5
Pump displacement:	223.5	8.0	28
Set LTP / release run tool:	N/A	N/A	60
Pull workstring 91 m above TOC:	91m	9.1m/min	10
Reverse circulate:	37	5.0	7
Total job time (including circulation):			225 min 3hr 45min
Minimum lead cement thickening time (with 2hr safety factor):			262 min 4hr 22min
Minimum tail cement thickening time (with 2hr safety factor):			234 min 3hr 54min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer #1 - Freshwater

Freshwater 20 bbl

Spacer #2 - Tuned Spacer E+

Freshwater 24.5 bbl

Tuned Spacer E+ 432 lb

Barite 7,369 lb

Lead Cement

Adelaide Brighton Class G 16 MT(375 ft³)

Gascon 383 gals

CFR-3L 33 gals

Halad -413L 109 gals

SCR-100L 66 gals

Freshwater 95.2 bbl

NF-6 3 gals

Tail Cement

Adelaide Brighton Class G 4 MT(94 ft³)

CFR-3L 5 gals

Halad -413L 38 gals

SCR-100L 6 gals

Gascon 13 gals

Freshwater 11.3 bbl

NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

3.1.2 Tin Liner Job Procedure

- 21) Rig up surface lines
- 22) Establish circulation by pumping 5bbls of fresh water
- 23) Pressure test lines to 3000psi
- 24) Pump 5bbl of fresh water
- 25) Pump 30bbls of 13ppg Tuned Spacer E+
- 26) Pump 10bbls of freshwater
- 27) Drop bottom plug releasing dart if running a bottom liner plug
- 28) Mix and pump 141bbl of Lead cement mixed at 12.5ppg
- 29) Mix and pump 22bbl of Tail cement mixed at 15.80ppg
- 30) Drop top plug releasing dart
- 31) Pump 10bbls of freshwater

- 32) Displace with ~44bbls and land dart. Pressure up and shear off shut off plug. Continue to displace with an additional 170bbls to land plug
- 33) Slow pump rate down for final 10bbls to 2BPM. Bump plug 500psi over and hold for 10mins, Bleed back and check floats

3.1.3 Guidelines for Preparation of Tuned Spacer E+

Note: A clean pit is required to mix the tuned spacer.

- 34) Load appropriate amount of freshwater in a clean pit
- 35) Add Tuned spacer E+ Blend and agitate
- 36) Wait 45-60 mins to allow Tuned spacer E+ to yield before adding Barite
- 37) Add Barite (continue to agitate and circulate until spacer is homogeneous. Approximately 30mins)
- 38) Check density with mud balance, ~13ppg.

4.0 Cement Program P&A

The following program outlines the P&A program on Garfish-1 well.

Plug 1a and 1b: covers FTD to 50m above top Admiral starting with two 175m plugs starting at 2175m MD.

Plug 2: this is a 13 3/8in casing shoe plug with 100m plug length which is extended from 800- 700m MD.

Plug 3: this is a 100m surface plug.

Revision History

Revision 1	10 th June 2008	Initial P&A program
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4.1 Plug#1a

JOB PARAMETERS

Plug bottom MD:	2,175m	BHST temperature:	105°C
Plug bottom TVD:	2,135m	BHCT temperature:	86°C
Plug top MD:	2,000m	Drilling mud type:	WBM
Plug length:	175m	Drilling mud density:	11.00ppg
Plug length with DP in:	193m		

WELLBORE

Workstring

0-2,175m 5 1/2in 21.9ppf tubing

Annulus

0-2,175m 8.5in open hole (10% excess)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 4.6bbl behind to balance
(58m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G
CFR-3L 3.00 gal/10bblMF
SCR-100L 3.00 gal/10bblMF
Freshwater 5.04 gal/sk
NF-6 0.125 gal/10bblMF

Properties

Surface density: 15.80 ppg
Surface yield: 1.16 ft³/sk
Total mixing fluid: 5.12 gal/sk
Thickening time (70 Bc): 3:30
Comp strength at 99°C 50 psi in 4 hrs
Comp strength at 99°C 500 psi in 6 hrs
Comp strength at 99°C 2,000 psi in 24 hrs

VOLUME CALCULATIONS

Cement

8.5in hole volume 175 m x 0.2303 bbl/m 40.3 bbl
8.5in hole excess 0.10 x 40.3 bbl 4.0 bbl
Slurry volume =44.3 bbl

Quantity of cement 44.3 bbl x 5.6146 / 1.16 ft³/sk 215 sacks
Quantity of mix fluid 215 sacks x 5.12 gal/sk 26.2 bbl

Displacement

5 1/2in tubing volume 1,918 m x 0.0728 bbl/m 139.6 bbl
Total displacement volume =139.6 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1 x bottoms up:	341.2	6.0	57
Pump spacers ahead:	10.0	6.0	2
Mix & pump cement:	44.3	5.0	9
Drop wiper ball:	N/A	N/A	5
Pump spacers behind:	4.6	6.0	1
Pump displacement:	139.6	6.0	23
Pull workstring 152 m above TOC:	327m	9.1m/min	36
Circulate workstring clean:	134.0	6.0	22
Total job time (including circulation):			185 min
Minimum cement thickening time (with 2hr safety factor):			216 min
			3hr 05min
			3hr 36min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater (Including 10.0 bbl pit loss)

Freshwater 24.6 bbl

Cement

Adelaide Brighton Class G 9 MT(211 ft³)
CFR-3L 8 gals
SCR-100L 8 gals
Freshwater 25.8 bbl
NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.1.1 Plug #1a` Job Procedure

1. RIH to 2175m with work string
2. Rig up surface lines.
3. Establish circulation, Pump 5bbls Fresh water.
4. Test lines 2000psi.
5. Pump 5bbls Fresh water.
6. Mix and pump 44.5bbls of 15.8ppg cement slurry.
7. Drop drill pipe wiper ball
8. Displace with 4.5bbls of fresh water to balance
9. Continue to displace with 139bbls of well fluid to create a balanced plug

Note 1bbl under displace to aid in dry POOH

10. Pick up worksting to top of cement
11. Reverse circulate 1 1/2 times tubing volumes clean before POOH
12. Pick up and prepare for second plug

4.2 Plug#1b Details

JOB PARAMETERS

Plug bottom MD:	2,000m	BHST temperature:	99°C
Plug bottom TVD:	1,980m	BHCT temperature:	81°C
Plug top MD:	1,825m	Drilling mud type:	WBM
Plug length:	175m	Drilling mud density:	11.00ppg
Plug length with DP in:	193m		

WELLBORE

Workstring

0-2,000m 5 1/2in 21.9ppf tubing

Annulus

0-2,000m 8.5in open hole (10% excess)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 4.6bbl behind to balance
(58m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G

CFR-3L 3.00 gal/10bbIMF

SCR-100L 3.00 gal/10bbIMF

Freshwater 5.04 gal/sk

NF-6 0.125 gal/10bbIMF

Properties

Surface density: 15.80 ppg

Surface yield: 1.16 ft³/sk

Total mixing fluid: 5.12 gal/sk

Thickening time (70 Bc): 3:30

Comp strength at 93°C 50 psi in 4 hrs

Comp strength at 93°C 500 psi in 6 hrs

Comp strength at 93°C 2,000 psi in 24 hrs

VOLUME CALCULATIONS

Cement

8.5in hole volume 175 m x 0.2303 bbl/m 40.3 bbl

8.5in hole excess 0.10 x 40.3 bbl 4.0 bbl

Slurry volume =44.3 bbl

Quantity of cement 44.3 bbl x 5.6146 / 1.16 ft³/sk 215 sacks

Quantity of mix fluid 215 sacks x 5.12 gal/sk 26.2 bbl

Displacement

5 1/2in tubing volume 1,743 m x 0.0728 bbl/m 126.8 bbl

Total displacement volume =126.8 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1 x bottoms up:	313.8	6.0	52
Pump spacers ahead:	10.0	6.0	2
Mix & pump cement:	44.3	5.0	9
Drop wiper ball:	N/A	N/A	5
Pump spacers behind:	4.6	6.0	1
Pump displacement:	126.8	6.0	21
Pull workstring 152 m above TOC:	327m	9.1m/min	36
Circulate workstring clean:	122.0	6.0	20

Total job time (including circulation): 176 min 2hr 56min
Minimum cement thickening time (with 2hr safety factor): 212 min 3hr 32min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater (Including 10.0 bbl pit loss)

Freshwater 24.6 bbl

Cement

Adelaide Brighton Class G 9 MT(211 ft³)
 CFR-3L 8 gals
 SCR-100L 8 gals
 Freshwater 25.8 bbl
 NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.2.1 Plug #1b` Job Procedure

1. RIH to 2000m with work string
2. Rig up surface lines.
3. Establish circulation, Pump 5bbls Fresh water.
4. Test lines 2000psi.
5. Pump 5bbls Fresh water.
6. Mix and pump 44.5bbls of 15.8ppg cement slurry.
7. Drop drill pipe wiper ball
8. Displace with 4.5bbls of fresh water to balance
9. Continue to displace with 126bbls of well fluid to create a balanced plug

Note 1bbl under displace to aid in dry POOH

10. Pick up worksting to top of cement
11. Reverse circulate 1 1/2 times tubing volumes clean before POOH
12. Pick up and prepare for third plug

4.3 Plug#2 Details

JOB PARAMETERS

Plug bottom MD:	800m	BHST temperature:	52°C
Plug bottom TVD:	800m	BHCT temperature:	42°C
Plug top MD:	700m	Drilling mud type:	WBM
Plug length:	100m	Drilling mud density:	8.70ppg
Plug length with DP in:	105m		

WELLBORE

Workstring

0-800m 5 1/2in 21.9ppf tubing

Annulus

0-750m 13 3/8in 72ppf casing (12.347in ID)
750-800m 8.5in open hole (10% excess)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 1.9bbl behind to balance
(26m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G
CFR-3L 3.00 gal/10bbIMF
HR-6L 2.00 gal/10bbIMF
Seawater 5.07 gal/sk
NF-6 0.25 gal/10bbIMF

Properties

Surface density: 15.90 ppg
Surface yield: 1.16 ft³/sk
Total mixing fluid: 5.13 gal/sk
Thickening time (70 Bc): 3:00
Comp strength at 49°C 50 psi in 4 hrs
Comp strength at 49°C 500 psi in 6 hrs
Comp strength at 49°C 200 psi in 24 hrs

VOLUME CALCULATIONS

Cement

13 3/8in casing volume 50 m x 0.4858 bbl/m 24.3 bbl
8.5in hole volume 50 m x 0.2303 bbl/m 11.5 bbl
8.5in hole excess 0.10 x 11.5 bbl 1.2 bbl

Slurry volume =37.0 bbl

Quantity of cement 37.0 bbl x 5.6146 / 1.16 ft³/sk 179 sacks
Quantity of mix fluid 179 sacks x 5.13 gal/sk 21.9 bbl

Displacement

5 1/2in tubing volume 669 m x 0.0728 bbl/m 48.7 bbl

Total displacement volume =48.7 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)	
Make up lines & pressure test:	N/A	N/A	30	
Circulate 1 x bottoms up:	299.9	6.0	50	
Pump spacers ahead:	10.0	6.0	2	
Mix & pump cement:	37.0	5.0	7	
Drop wiper ball:	N/A	N/A	5	
Pump spacers behind:	1.9	6.0	0	
Pump displacement:	48.7	6.0	8	
Pull workstring 152 m above TOC:	252m	9.1m/min	28	
Circulate workstring clean:	40.0	6.0	7	
Total job time (including circulation):			137 min	2hr 17min
Minimum cement thickening time (with 2hr safety factor):			175 min	2hr 55min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater	
Freshwater	11.9 bbl
Cement	
Adelaide Brighton Class G	8 MT(188 ft ³)
CFR-3L	7 gals
HR-6L	4 gals
Seawater	21.6 bbl
NF-6	1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.3.1 Plug #2 Job Procedure

- 1) RIH with workstring to 800m MD
- 2) Rig up surface lines and pump 5bbl fresh water
- 3) prime and test to 200/2000psi
- 4) Pump 5bbls Fresh water
- 5) Mix and pump 37bbls of 15.9ppg cement slurry.
- 6) Drop drill pipe wiper ball
- 7) Displace with 2bbls of fresh water to balance
- 8) Continue to displace with 48bbls of well fluid to create a balanced plug

Note 1bbl under displace to aid in dry POOH

- 9) Pick up work string at least one stand above top of cement
- 10) Reverse circulate 1 1/2 times tubing volumes clean before POOH
- 11) End Job

4.4 Plug#3 Details

JOB PARAMETERS

Plug bottom MD:	145m	BHST temperature:	28°C
Plug bottom TVD:	145m	BHCT temperature:	21°C
Plug top MD:	45m	Drilling mud type:	SW
Plug length:	100m	Drilling mud density:	8.54ppg
Plug length with DP in:	105m		

WELLBORE

Workstring

0-145m 5 1/2in 21.9ppf tubing

Annulus

0-145m 13 3/8in 72ppf casing (12.347in ID)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 1.9bbl behind to balance
(26m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G
Calcium Chloride 1% 1.00 %BWOC
Seawater 5.16 gal/sk
NF-6 0.25 gal/10bblMF

Properties

Surface density: 15.90 ppg
Surface yield: 1.17 ft³/sk
Total mixing fluid: 5.20 gal/sk
Thickening time (70 Bc): 2:30
Comp strength at 26°C 50 psi in 3 hrs
Comp strength at 26°C 500 psi in 6 hrs
Comp strength at 26°C 2,000 psi in 24 hrs

Note that %BWOC are based on a 94 lb sack

VOLUME CALCULATIONS

Cement

13 3/8in casing volume 100 m x 0.4858 bbl/m 48.6 bbl
Slurry volume =48.6 bbl

Quantity of cement 48.6 bbl x 5.6146 / 1.17 ft³/sk 233 sacks
Quantity of mix fluid 233 sacks x 5.20 gal/sk 28.9 bbl

Displacement

5 1/2in tubing volume 14 m x 0.0728 bbl/m 1.0 bbl
Total displacement volume =1.0 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)	
Make up lines & pressure test:	N/A	N/A	30	
Circulate 1 x bottoms up:	56.5	6.0	9	
Pump spacers ahead:	10.0	6.0	2	
Mix & pump cement:	48.6	5.0	10	
Drop wiper ball:	N/A	N/A	5	
Pump spacers behind:	1.9	6.0	0	
Pump displacement:	1.0	6.0	0	
Pull workstring 152 m above TOC:	252m	9.1m/min	28	
Total job time (including circulation):			84 min	1hr 24min
Minimum cement thickening time (with 2hr safety factor):			163 min	2hr 43min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater	
Freshwater	11.9 bbl
Cement	
Adelaide Brighton Class G	10 MT(235 ft ³)
Calcium Chloride 1%	219 lbs
Seawater	28.6 bbl
NF-6	1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.4.1 Plug # 3 Job Procedure

- 12) RIH to 145m with workstring
- 13) Rig up surface lines.
- 14) Establish circulation, Pump 5bbls Fresh water.
- 15) Test lines 2000psi.
- 16) Pump 5bbls Fresh water.
- 17) Mix and pump 49bbls of 15.9ppg cement slurry.
- 18) Displace with 2bbls of fresh water to balance
- 19) Continue to displace with 1bbls of well fluid to create a balanced plug
- 20) Pick up work string at least one stand above top of cement
- 21) Reverse circulate 1 1/2 times tubing volumes clean before POOH
- 22) End Job

4.5 Guidelines for Preparation of Cement Mixwater

From time to time it is necessary to pre-mix the additives and mixwater for a cement job instead of adding them “on the fly” via the cement unit LAP system.

NOTE: If mixing in displacement tanks, Econolite and HR-6L are not compatible in their neat form. Ensure there is a sufficient level of water for dilution before mixing chemical additives or add them separately to the mixwater

Lab testing has indicated that there is a maximum age, or retention time, for **batch mixed mixwaters**, after which they should not be used. This is because slurry properties such as thickening time may be affected, and it applies particularly to the “high fineness” additives: Silicalite Liquid, Micromax, Gascon 469 and Microbond in conjunction with cement retarders. Therefore when pre-mixing additives the following guidelines need to be followed:

Prepare drillwater/seawater in a **clean pit/blender** and check fluid has the appropriate chloride content.

Freshwater	<1000	Ppm
Seawater	<20000	Ppm

Add 2 gal of defoamer (NF-6) per 10 bbl of water.

During the casing/liner run add the additives below in the following order.

- a) Extenders – **Silicalite Liquid / Gascon 469 / Econolite Liquid, WG-17LXP**
- b) Friction Reducers – **CFR-3L**.
- c) Fluid Loss/Gas Migration Additives – **Halad additives / GasStop-L**.

Once the casing is on bottom or the liner hanger has been set and just prior to/during mud conditioning add the additives below in the following order.

- a) Viscosifying Additives – **SA-533**. This must be added very slowly to prevent lumps forming and should be added directly to a tub and not through a mixing hopper, since a build up of partially hydrated polymer can form inside the gooseneck. Note that SA-533 requires at least 30 mins to yield.
- b) Weighting Materials – **Micromax**.

Immediately prior to the jobs commencement add the retarder and then any expansive additives. Circulate the pit with maximum agitation.

- a) Retarders – **HR-6L / HR-25L / SCR-100L**.
- b) Expansive Additives - **MicroBond**.

If any foaming is observed add additional anti-foaming agents as required.

NOTE: Once the retarder has been added Halliburton recommends that the maximum surface time of the mixwater should be no more than **8** hours. This is due to the retarder being attracted to the high surface area of the siliceous material in the extender. This has the effect of reducing the retardation effect of the retarder on the cement. It is recommended that if the mixwater with retarder is left for more than 8 hours on surface that it be dumped and a new batch mixed. Mixwater that has been prepared without the addition of an extender or retarder can be kept for 24 hours. After 24 hours the mixwater should not be used for cementing operations unless authorised by a Halliburton engineer.

4.6 Plug Setting Recommendations

1. **Cement Volume: Pumping sufficient volume is one of the biggest causes of plug failures.**
 - *Open hole:* HOC + 50% excess over gauge to account for washouts, (if not calipered).
 - *Cased Hole:* 10 bbls to compensate for mud contamination.
2. **If plug is not being set on a firm base, set a CST or spot a Viscous Reactive Pill (VRP),** the same length as the proposed plug, to act as a base.
3. **Drill pipe and stinger should be drifted for accurate displacement.** Include using a latch-down indicator sub (ball catcher) to achieve accurate displacement.
4. **Wash over the plug interval.** Rotate and reciprocate down over the entire interval at maximum rate, dependent on well conditions.
5. **Minimise any shutdowns to keep the mud in a fluidised condition.** This will help to maximise mud removal efficiency when placing cement.
6. **Use a side-port diverter tool** to direct the flow outwards, minimising intermixing and providing jetting action. **DO NOT USE A MULE SHOE WITH NARROW SLOTS.**
7. **Plug height should be limited to 500 ft.** The extra time taken to pull slowly out of the plug increases the risk of cementing-in the cementing assembly.
8. **Use 2-7/8" or 3 1/2" stinger** on the end of the drill pipe to minimise stripping the plug when POOH. The recommended length is 1.5 x plug length. When in highly deviated or horizontal holes, centralising the stinger will prevent dead areas of mud on the low side of the hole.
9. **Pump minimum of 40 bbls of spacer ahead of the plug** and required volume behind to balance & separate the mud from the cement. It is best to keep the spacer weight almost equal to the cement weight in horizontal holes.
10. **Pump spacer, cement and displacement at maximum possible rates** with the cement unit, however **do not over displace** - slow rate down prior to end of calculated displacement.
11. **Use side entry sub/swivel** or top-drive cement head to enable rotation of the drill pipe whilst pumping cement and displacement - **DO NOT reciprocate.**
12. **POOH slowly (30 - 60 ft/min)** and break connections carefully to avoid stripping plug until 500ft above the cement plug. Avoid any delay's
13. **Do not circulate on top of plug.** Break circulation slowly so as to minimise disturbance of plug. Never reverse circulate when setting an open-hole plug.
14. **Waiting on cement** should be at least the time for the plug to reach 500 psi. or 3000 psi. for a Kick-off plug. Best results have been obtained by a mandatory 24 hr WOC before disturbing the plug.

5.0 LAB REPORTS

HALLIBURTON

CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 25/05/2008
Well Name	: Garfish-1	Reference	: GAR-08-01A
Casing Size	: 30inch		
Job Type	: Casing		
Slurry Type	: Single		
Time to Temp	: 13min		

WELL PROPERTIES

Depth(MD from RKB)	: 132	Meters	Depth(TVD from RKB)	: 132	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 0.00	Deg.C./100M
BHST	: 25.00	Deg.C.	BHCT (per API Spec 10)	: 20.00	Deg.C.
Mud Weight	: 8.55	PPG	Water Source	: Seawater	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.25	gal/10bbl of Mix Fluid		0.003	gal/sk
Calcium Chloride 1%	: 1.00	%BWOC		0.012	gal/sk
Slurry Weight	: 15.90	PPG	Slurry Yield	: 1.17	CuFt/Sack
Mixing Water	: 5.23	Gals/Sack	Total Mixing Fluid	: 5.24	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	443 psi
Time(hrs:mins)	: 33	2:07	2:30	2:41	25 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	2:57	UCA Max Temp	: 25 Deg C
	: 500psi	6:43	UCA Pressure	: 3000 psi
	: 3930psi	65:36		

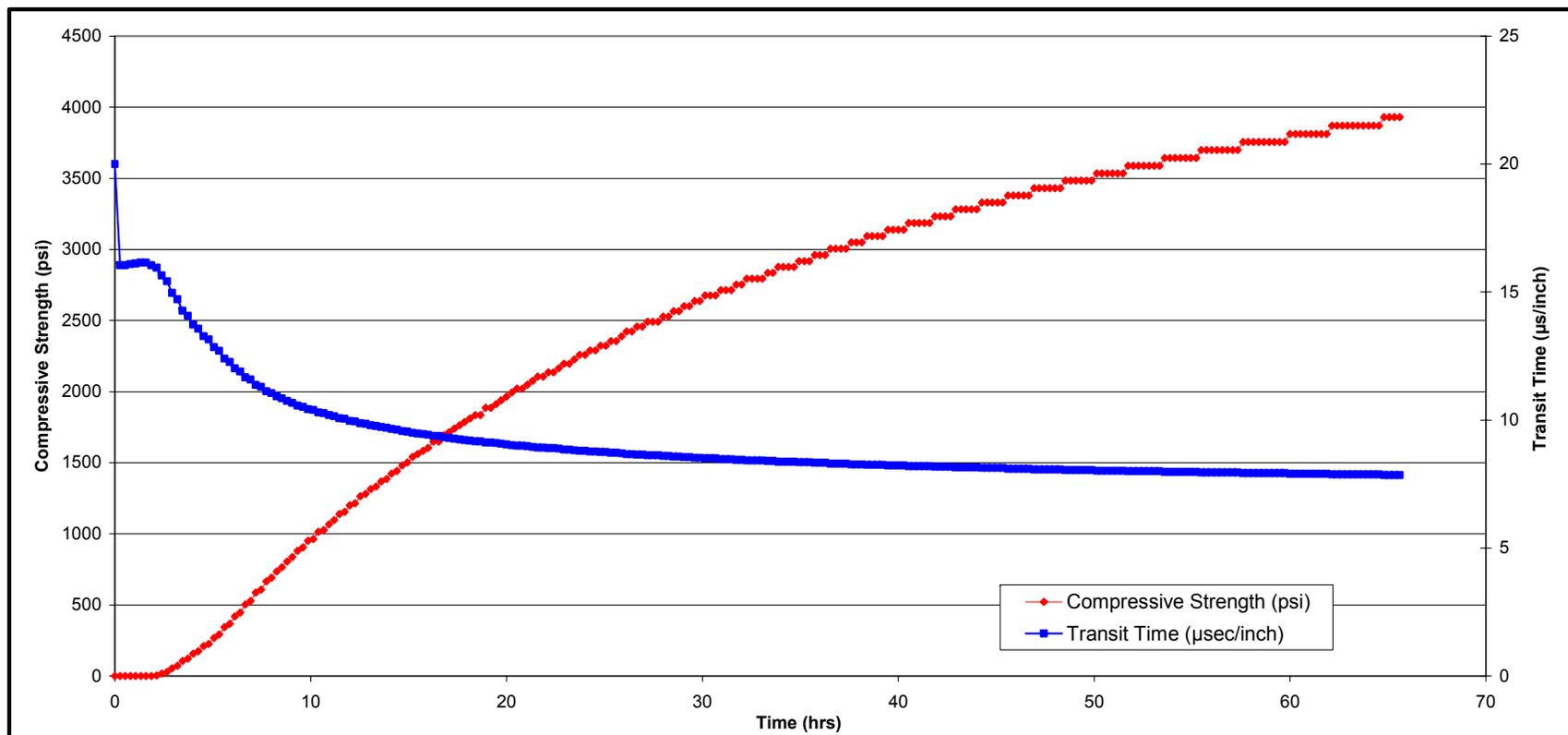
Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

Approved By : Prem kumar Salibendla/Andrew Stobie

The above report is based on sound engineering practices, but because of variable well conditions and other information which must be relied upon, Halliburton makes no warranty, express or implied, as to the accuracy of the data or any of the calculations or opinions expressed herein. You agree that Halliburton shall not be liable for any loss or damage whether due to negligence or otherwise arising out of or in connection with such data, calculations or opinions.

Project No : GAR-08-01A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 2:57
Well Name/Job : Garfish-1/ 30in CSG		Strength 2 (500psi) : 6:43
Date : 26/05/2008		Current Strength (3930psi) : 65:36
Pressure : 3000psi		
Temperature : 25°C/77°F		
Cement :	ABC Class G & Calcium Chloride 1% - 1% BWOC & NF-6 0.25 gal/10bbl & Seawater	
Density -15.9ppg ▲ yield - 1.17cuft/sk ▲ Water - 5.23gal/sk ▲ Total Fluid - 5.24gal/sk		



HALLIBURTON

CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 26/05/2008
Well Name	: Garfish-1	Reference	: GAR-08-02A
Casing Size	: 13 3/8inch		
Job Type	: Casing		
Slurry Type	: Lead		
Time to Temp	: 19min		

WELL PROPERTIES

Depth(MD from RKB)	: 750	Meters	Depth(TVD from RKB)	: 750	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 3.33	Deg.C./100M
BHST	: 50.00	Deg.C.	BHCT (per API Spec 10)	: 34.00	Deg.C.
Mud Weight	: 8.70	PPG	Water Source	: Seawater	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.13	gal/10bbl of Mix Fluid		0.004	gal/sk
Econolite Liquid	: 15.00	gal/10bbl of Mix Fluid		0.464	gal/sk
Slurry Weight	: 12.50	PPG	Slurry Yield	: 2.21	CuFt/Sack
Mixing Water	: 12.54	Gals/Sack	Total Mixing Fluid	: 13.00	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	1,424 psi
Time(hrs:mins)	: 2	4:24	4:47	5:02	34 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	4:00	UCA Max Temp	: 50 Deg C
	: 500psi	11:13	UCA Pressure	: 3000 psi
	: 751psi	24:00		

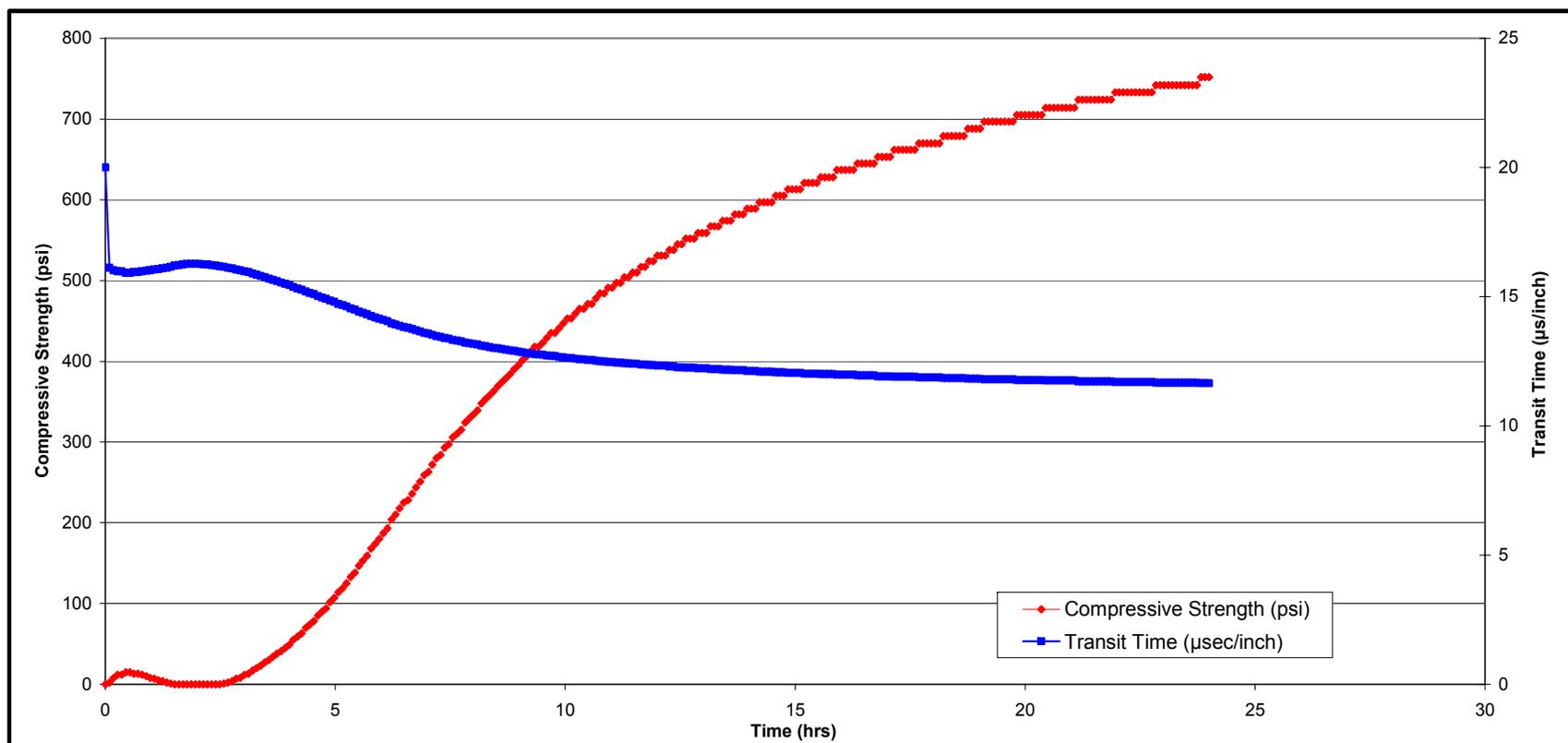
Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

Approved By : Prem kumar Salibendla/Andrew Stobie

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Project No : GAR-08-02A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 4:00
Well Name/Job : Garfish-1 / 13 3/8 Lead CSG		Strength 2 (500psi) : 11:13
Date : 26/05/2008		Current Strength (751psi) : 24:00
Pressure : 3000psi		
Temperature : 50°C/122°F		
Cement : ABC Class G & Econolite Liquid - 15gal/10bbl & NF-6 0.125 gal/10bbl & Seawater		
Density -12.5ppg ▲ yield - 2.21cuft/sk ▲ Water - 12.54gal/sk ▲ Total Fluid - 13.00gal/sk		



HALLIBURTON

CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 27/05/2008
Well Name	: Garfish-1	Reference	: GAR-08-03A
Casing Size	: 13 3/8inch		
Job Type	: Casing		
Slurry Type	: Tail		
Time to Temp	: 19min		

WELL PROPERTIES

Depth(MD from RKB)	: 750	Meters	Depth(TVD from RKB)	: 750	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 3.33	Deg.C./100M
BHST	: 50.00	Deg.C.	BHCT (per API Spec 10)	: 34.00	Deg.C.
Mud Weight	: 8.70	PPG	Water Source	: Seawater	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.13	gal/10bbl of Mix Fluid		0.002	gal/sk
CFR-3L	: 3.00	gal/10bbl of Mix Fluid		0.037	gal/sk
HR-6L	: 2.00	gal/10bbl of Mix Fluid		0.025	gal/sk
Slurry Weight	: 15.90	PPG	Slurry Yield	: 1.16	CuFt/Sack
Mixing Water	: 5.10	Gals/Sack	Total Mixing Fluid	: 5.16	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	1,424 psi
Time(hrs:mins)	: 16	2:25	2:38	2:46	34 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	2:49	UCA Max Temp	: 50 Deg C
	: 500psi	4:29	UCA Pressure	: 3000 psi
	: 3204psi	26:36		

Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

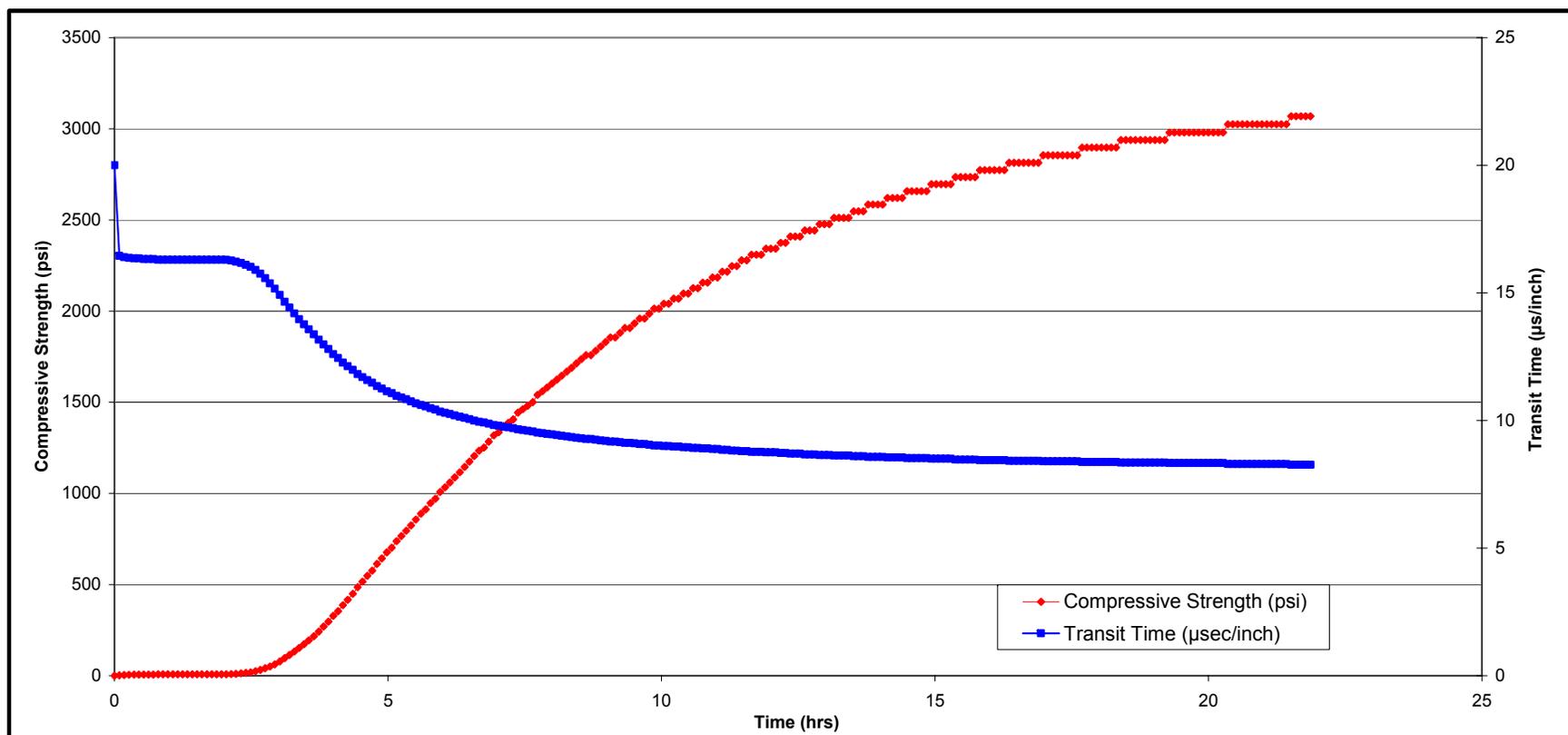
APPROVED

By Prem kumar Salibendla at 5:11 pm, May 29, 2008

Approved By : Prem kumar Salibendla/Andrew Stobie

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Project No : GAR-08-03A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 2:49
Well Name/Job : Garfish-1 / 13 3/8 Tail CSG		Strength 2 (500psi) : 4:29
Date : 27/05/2008		Current Strength (3204psi) : 26:36
Pressure : 3000psi		
Temperature : 50°C/122°F		
Cement :	ABC Class G & HR-6L - 2gal/10bbl & CFR-3L - 3gal/10bbl & NF-6 0.125 gal/10bbl & Seawater	
	Density -15.9ppg ▲ yield - 1.16cuft/sk ▲ Water - 5.10gal/sk ▲ Total Fluid - 5.16gal/sk	



HALLIBURTON

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CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 11/06/2008
Well Name	: Garfish-1	Reference	: GAR-08-06A
Casing Size	:		
Job Type	: Plug-1		
Slurry Type	: Plug		
Time to Temp	: 29min		

WELL PROPERTIES

Depth(MD from RKB)	: 2175	Meters	Depth(TVD from RKB)	: 2135	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 3.68	Deg.C./100M
BHST	: 105.00	Deg.C.	BHCT (per API Spec 10)	: 86.00	Deg.C.
Mud Weight	: 11.00	PPG	Water Source	: West Triton Drill Water	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.13	gal/10bbl of Mix Fluid		0.002	gal/sk
CFR-3L	: 3.00	gal/10bbl of Mix Fluid		0.037	gal/sk
SCR-100L	: 3.00	gal/10bbl of Mix Fluid		0.037	gal/sk
Slurry Weight	: 15.80	PPG	Slurry Yield	: 1.16	CuFt/Sack
Mixing Water	: 5.05	Gals/Sack	Total Mixing Fluid	: 5.13	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	4,077 psi
Time(hrs:mins)	: 6	3:31	3:34	3:35	68 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	0:04	UCA Max Temp	: 93.3 Deg C
	: 500psi	6:20	UCA Pressure	: 3000 psi
	: 3208psi	24:33		

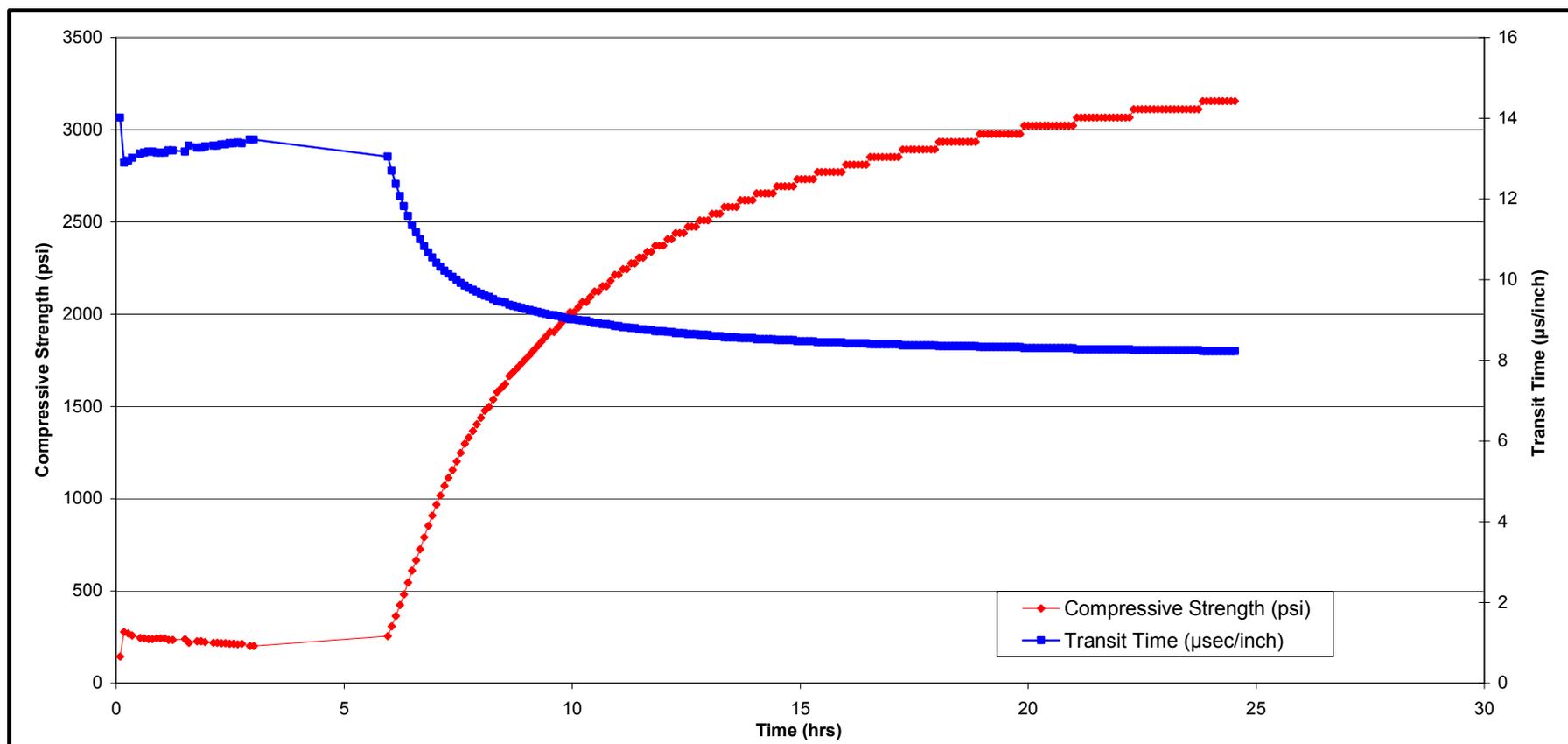
Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

Approved By : Prem kumar Salibendla/Andrew Stobie

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Project No : GAR-08-06A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 0:04
Well Name/Job : Garfish-1 / Plug 1A		Strength 2 (500psi) : 6:20
Date : 11/06/2008		Current Strength (3208psi): 24:33
Pressure : 3000psi		
Temperature : 93.3°C/200°F		
Cement :	ABC Class G & CFR-3L - 3gal/10bbl & SCR-100L - 3gal/10bbl & NF-6 0.125gal/10bbl & Freshwater	
	Density -15.8ppg ▲ yield - 1.16cuft/sk ▲ Water - 5.05gal/sk ▲ Total Fluid - 5.13gal/sk	





6.0 Job Summary, EJCS, Job Logs

6.1 30 inch Conductor Casing

6.1.1 Job Summary

HALLIBURTON			CUSTOMER	SALES ORDER No.	DATE
			Nexus Energy	0	29 May 2008
CEMENT/PUMPING JOB SUMMARY					
WELL	LOCATION/FIELD NAME	COUNTRY	HES REP	CUSTOMER REP	WELL TYPE
Garfish - 1	Bass Strait	Australia	A.Kelly	S.Schmidt	Exploration
JOB TYPE	JOB PURPOSE CODE		BDA	RIG	
Zonal Isolation	CEMENT CONDUCTOR CASING 14161		Perth	West Triton	
PERSONNEL / EXPOSURE	HRS	PERSONNEL / EXPOSURE	HRS	PERSONNEL / EXPOSURE	HRS
331198	Anthony Kelly	12			
127046	Rod Stares	12			
EQUIPMENT					
SAP#	PUMPING / MIXING	HOURS	SAP#	VEHICLES / TRAILERS	HOURS
0	SKID PUMP CMT TWIN HT400 ADVANTAGE 10851913	24			
0	Electric Hydraulic Package 10851913	24			
0	4 Tank Electric CMS 109658	24			
SAP#	BULK SUPPLY / TANKS	HOURS	SAP#	OTHER EQUIPMENT	HOURS
#N/A	Rig supplied Bulk system				
FLOAT EQUIPMENT AND CASING EQUIPMENT					
SAP#	FLOAT EQUIPMENT	QTY	SAP#	PLUGS	QTY
SAP#	CASING ATTACHMENTS	QTY	SAP#	OTHER	QTY
WELL PROFILE					
NEW CASING	OPEN HOLE + EXCESS OR CALIPER DATA	PREVIOUS CASING ONE	PREVIOUS CASING TWO		
30 x 24" in 309.7ppf	36in + 200% excess 94.25m to 129.65m				
0m to 129.65m MD, m TVD					
FOR PLUG AND LINER JOBS PLEASE INDICATE WORKSTRING 5.5in 24.7ppf S135 XT 57					
CEMENT DESIGN					
SLURRY 1 - Single					
DENSITY 15.9ppg	WATER REQ 5.16gal/sk	DENSITY	WATER REQ	DENSITY	WATER REQ
YIELD 1.17cuft/sk	MIX FLUID REQ 5.2gal/sk	YIELD	MIX FLUID REQ	YIELD	MIX FLUID REQ
WATER SOURCE : Sea.	CEMENT TYPE: ABC Class 'G' @ 94 lb/sk	WATER SOURCE :	CEMENT TYPE: ABC Class 'G' @ 94 lb/sk	WATER SOURCE :	CEMENT TYPE:
Total Cement Used 719 sks	Estimated TOC 94.25 m	Total Cement Used	Estimated TOC	Total Cement Used	Estimated TOC
Additive	Concentration	Total Used	Additive	Concentration	Total Used
Calcium Chloride	1 %BWOC	26 lbs			
NF-6		2 gals			
PUMPING SCHEDULE					
FLUID DESCRIPTION	VOLUME bbls	DENSITY ppg	RATE bpm	FLUID DESCRIPTION	VOLUME bbls
1) sea water	10	8.54	8	5)	
2) Sea water	90	8.54	8		
3) Cement + 1% Cal/Chl	150	15.9	5		
4) Sea Water	24	15.9	8		
ADDITIONAL COMMENTS					
Job went very well. no incidents no unplanned shutdowns, and full returns to sea bed					

6.2 13 3/8" CASING

6.2.1 Job Summary

PERSONELL											
PERSONNEL / EXPOSURE		hrs	PERSONNEL / EXPOSURE		hrs	PERSONNEL / EXPOSURE		hrs	PERSONNEL / EXPOSURE		hrs
127046	Rodney Stares	12	331198	Anthony Kelly	12						
EQUIPMENT											
SAP#	PUMPING / MIXING				HOURS	SAP#	BULK SUPPLY / TANKS				HOURS
10951913	SKD ADVANTAGE 25DZ2 - WEST TRITON				12						
FLOAT EQUIPMENT AND CASING EQUIPMENT											
SAP#	FLOAT EQUIPMENT				QTY	SAP#	PLUGS				QTY
	13 3/8 Butress Float shoe				1						
SAP#	CASING ATTACHMENTS				QTY	SAP#	OTHER				QTY
	13 3/8" Centraliser				10						
WELL PROFILE											
NEW CASING				OPEN HOLE + EXCESS OR CALIPER DATA				PREVIOUS CASINGS			
Non Tapered Casing , SSR, 0m shoe track											
13.375in 68ppf K55 Butt : 632.5m to 746.39m MD, 746.39m TVD				17.5in, 50 percent excess, 129.5m to 755m				30"x24" in, ppf, 94.25m to 129.65m			
13.375in 72ppf P110 Vam Top : 632.5m to 506.65m MD, 506.65m TVD											
13.375in 72ppf SM95T Vam Top : 506.65m to 102.65m MD, 102.65m TVD											
FOR PLUG AND LINER JOBS PLEASE INDICATE WORKSTRING 5.5in 24.7ppf Drill Pipe with 724m of in ppf Stinger											
CEMENT DESIGN											
Lead				Tail				J			
DENSITY	12.5ppg	WATER	12.54gal/sk	DENSITY	15.9ppg	WATER	5.10gal/sk	DENSITY	0.0ppg	WATER	0.00gal/sk
YIELD	2.21cuft/ft	MIX FLUID	13.00gal/sk	YIELD	1.16cuft/ft	MIX FLUID	5.16gal/sk	YIELD	0.00cuft/ft	MIX FLUID	0.00gal/sk
WATER SOURCE	Seawater			WATER SOURCE	Seawater			WATER SOURCE	at lb/sk		
CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	MT		
Total Cement Used	961sks			Total Cement Used	304sks			Total Cement Used	m		
Estimated TOC	96.25m			Estimated TOC	646.39m			Estimated TOC			
Additive	Concentration	Total Used		Additive	Concentration	Total Used		Additive	Concentration	Total Used	
Econolite Liquid	15 gal/10bbl	530gals		CFR-3L	3 gal/10bbl	15gals					
				HR-6L	2 gal/10bbl	8gals					
END OF JOB DETAILS											

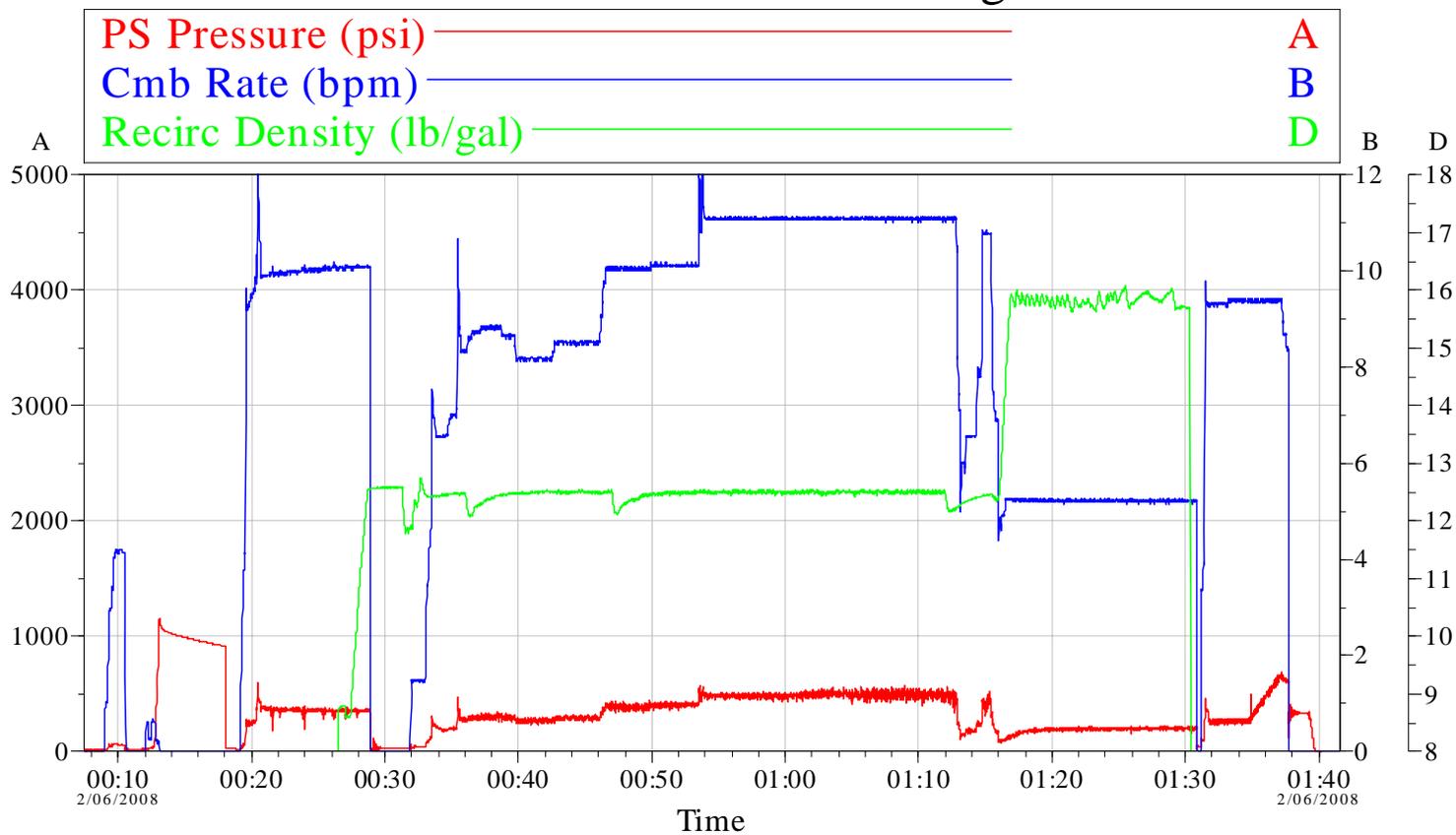


6.2.2 JOB LOGS

HALLIBURTON			CUSTOMER		SALES ORDER No.	DATE
			ADA			2 June 2008
CEMENT/PUMPING JOB SUMMARY						
WELL	LOCATION/FIELD NAME	COUNTRY	HES REP		CUSTOMER REP	WELL TYPE
Exploration	Bass Strait	Australia	R. Stares		S. Schmidt	Exploration
JOB TYPE		JOB PURPOSE CODE			BDA	RIG
Zonal Isolation		SURFACE CASING 7521			Perth	West Triton
JOB LOGS						
DATE DAY-MTH-YR	TIME HRS:MIN	VOLUME BBLs	PRESSURE (psi)		RATE BPM	JOB DESCRIPTION
			HIGH	LOW		REMARKS/DETAILS
2/06/2008	0:00					JSA on rig floor
	0:12	5	200		4	Pump 5 bbls drillwater
	0:15		1000			Line test 1000 psi
	0:18	95	450		10	Pump 95 bbls seawater
	0:26	377	500			Mix and pump 377 bbls lead slurry @12.5ppg
	1:14	63	250		5	Mix and pump 63 bbls tail slurry @15.9ppg
	1:31	57	300		9.5	Pump 57 bbls seawater displacement. Final circulating press. 650psi
	1:39		0			Bleed off, floats holding
						Cement used:
						58 MT Class G
						Chemicals used:
						15 gal CFR3-L
						8 gal HR6-L
						3 gal NF-6
						530 gal Econolite

6.2.4 Pumping Char

Garfish #1 13 3/8" Casing



Customer: ADA	Job Date: 2-6-08
Well Description: Garfish #1	Job: 13 3/8" Casing

CemWin v1.7.2
 02-Jun-08 11:02

HALLIBURTON

6.3 P&A Plugs

6.3.1 KPI&EJCS

HALLIBURTON			CUSTOMER ADA	SALES ORDER NO. 10 June 2008	DATE 10 June 2008
CEMENT/PUMPING JOB SUMMARY					
WELL Garfish 1	LOCATION/FIELD NAME Rosa Strait	COUNTRY Australia	HES REP Robert Bridgman	CUSTOMER REP W. Opatowich	WELL TYPE Exploration
JOB TYPE Cement Sealant	JOB PURPOSE CODE PLUG TO ABANDON TIEB		REA	REA	Well Treat

KEY PERFORMANCE INDICATORS	
TYPE OF JOB (Cementing or Non-Cementing): Select the job type (Cementing or Non-Cementing)	<input type="text" value="Cementing"/>
TOTAL OPERATING TIME (hrs) Rig up/Pumping/Rig Down	<input type="text" value="24.5 hrs"/>
HSE INCIDENT, ACCIDENT, INJURY: This should be recordable incidents only	<input type="text" value="NO"/>
WAS THE JOB DELIVERED CORRECTLY AS PER JOB DESIGN? This will be dictated by the customer	<input type="text" value="YES"/>
TOTAL TIME PUMPING (hrs) Total number of hours pumping fluid on the job	<input type="text" value="8.0 hrs"/>
NON-PRODUCTIVE RIG TIME: As a result of Halliburton cementing PSL	<input type="text" value=""/>
NUMBER OF JSA'S PERFORMED:	<input type="text" value="5"/>
NUMBER OF UNPLANNED SHUTDOWNS (After starting to pump)	<input type="text" value=""/>
TYPE OF RECLASSIFICATION JOB WAS PERFORMED ON:	<input type="text" value="JACKUP"/>
REASON FOR UNPLANNED SHUTDOWNS (After starting to pump) Add details in job log	
REASON FOR NON-PRODUCTIVE RIG TIME (Cementing PSL responsibility) Add details in job log	
WAS THIS A PRIMARY CEMENT JOB (YES / NO)	<input type="text" value="NA"/>
PRIMARY CEMENT JOB = Casing Job, Liner Job, Be back	
DID WE RUN WIPER PLUGS?	<input type="text" value="None"/>
WAS THIS A PLUG OR SQUEEZE JOB?	<input type="text" value="Plug Job"/>
WAS THIS A PRIMARY OR REMEDIAL JOB? Remedial = Repeated attempts or corrections of initial cement job	<input type="text" value="Primary"/>
WAS JOB DENSITY OF JOB STAYED IN DESIGNED RANGE? Density defined as $\frac{Wt}{B Spgs}$. Calculation: Total lbs cement mixed at designed density divided by total lbs of cement multiplied by 100	<input type="text" value="99%"/>
WAS AUTOMATED DENSITY CONTROL USED?	<input type="text" value="YES"/>
JOB WAS PUMPED AT DESIGNED PUMP RATE? Pump rate target defined as $\frac{Wt}{Acft}$. Calculation: total lbs of fluid pumped at the designed rate divided by total lbs of fluid pumped multiplied by 100	<input type="text" value="98%"/>
NUMBER OF REMEDIAL SQUEEZE JOBS REQUIRED - HES	<input type="text" value=""/>
NUMBER OF REMEDIAL SQUEEZE JOBS REQUIRED - COMPETITION	<input type="text" value=""/>
NUMBER OF REMEDIAL PLUG JOBS REQUIRED - HES	<input type="text" value=""/>

EJCS / CUSTOMER COMMENTS

Please indicate your responses by placing a tick in the box underneath the rating that best matches your opinion.

Dear Customer,

We hope you were happy with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and services of a standard unmatched in the service sector of the energy field.

Customer Satisfaction	Service Quality	Equipment Condition	Job Execution	Job Safety	Job Cost	Job Efficiency	Job Reliability	Job Flexibility	Job Innovation
1	2	3	4	5	6	7	8	9	10
<input checked="" type="checkbox"/>									

Overall, I was satisfied with Halliburton's job performance.

Customer Comments? (What can we do to improve/maintain our services?)

GOOD PERFORMANCE BY NICKEL & ROSS!

Customer Signature: *[Signature]* Date: *16/6/08*

6.3.2 SUMMARY

PERSONELL															
PERSONNEL / EXPOSURE			hrs	PERSONNEL / EXPOSURE			hrs	PERSONNEL / EXPOSURE			hrs				
126997	Nigel Lucas		30	386793	Robert Bridgman		30								
EQUIPMENT															
SAP# PUMPING / MIXING				HOURS				SAP# BULK SUPPLY / TANKS				HOURS			
10951913 SKD ADVANTAGE 25DZ2 - WEST TRITON				12											
WELL PROFILE															
NEW CASING				OPEN HOLE + EXCESS OR CALIPER DATA				PREVIOUS CASINGS							
Non Tapered Casing, SSR, 0m shoe track				8.5in, 20 percent excess, m to m				13 38in, 68ppf, 102.65m to m 13.375in, 72ppf, m to m 13.375in, 72ppf, m to 746.39m							
FOR PLUG AND LINER JOBS PLEASE INDICATE WORKSTRING 5.5in 24.7ppf Drill Pipe with 106m of 2.875in 6.5ppf Stinger															
CEMENT DESIGN															
Plug				Plug				Plug							
DENSITY	15.8ppg	WATER	5.12gal/sk	DENSITY	15.8ppg	WATER	5.12gal/sk	DENSITY	15.8ppg	WATER	5.12gal/sk				
YIELD	1.16cuft/ft	MIX FLUID	5.12gal/sk	YIELD	1.16cuft/ft	MIX FLUID	5.12gal/sk	YIELD	1.16cuft/ft	MIX FLUID	5.12gal/sk				
WATER SOURCE	Drillwater			WATER SOURCE	Drillwater			WATER SOURCE	Seawater						
CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	ABC Class 'G' at 94lb/sk						
Total Cement Used	6MT			Total Cement Used	7MT			Total Cement Used	12MT						
Estimated TOC	2190m			Estimated TOC	2060m			Estimated TOC	670m						
Additive	Concentration	Total Used		Additive	Concentration	Total Used		Additive	Concentration	Total Used					
SCR-100L	3 gal/10bbl	5gals		CFR-3L	3 gal/10bbl	6gals		CFR-3L	3 gal/10bbl	9					
CFR-3	3 gal/10bbl	5gals		SCR-100L	3 gal/10bbl	6gals		HR-6L	2 gal/10bbl	6					
NF-6L	0.12 gal/10bbl	1gals		NF-6L	0.12 gal/10bbl	1									
Plug				0				0							
DENSITY	15.9ppg	WATER	5.20gal/sk	DENSITY	0.0ppg	WATER	0.00gal/sk	DENSITY	0.0ppg	WATER	0.00gal/sk				
YIELD	1.16cuft/ft	MIX FLUID	5.20gal/sk	YIELD	0.00cuft/ft	MIX FLUID	0.00gal/sk	YIELD	0.00cuft/ft	MIX FLUID	0.00gal/sk				
WATER SOURCE	Seawater			WATER SOURCE	at lb/sk			WATER SOURCE	at lb/sk						
CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	MT			CEMENT TYPE	MT						
Total Cement Used	11MT			Total Cement Used	m			Total Cement Used	MT						
Estimated TOC	120m			Estimated TOC	m			Estimated TOC	m						
Additive	Concentration	Total Used		Additive	Concentration	Total Used		Additive	Concentration	Total Used					
END OF JOB DETAILS															

6.3.3 JOB LOGS

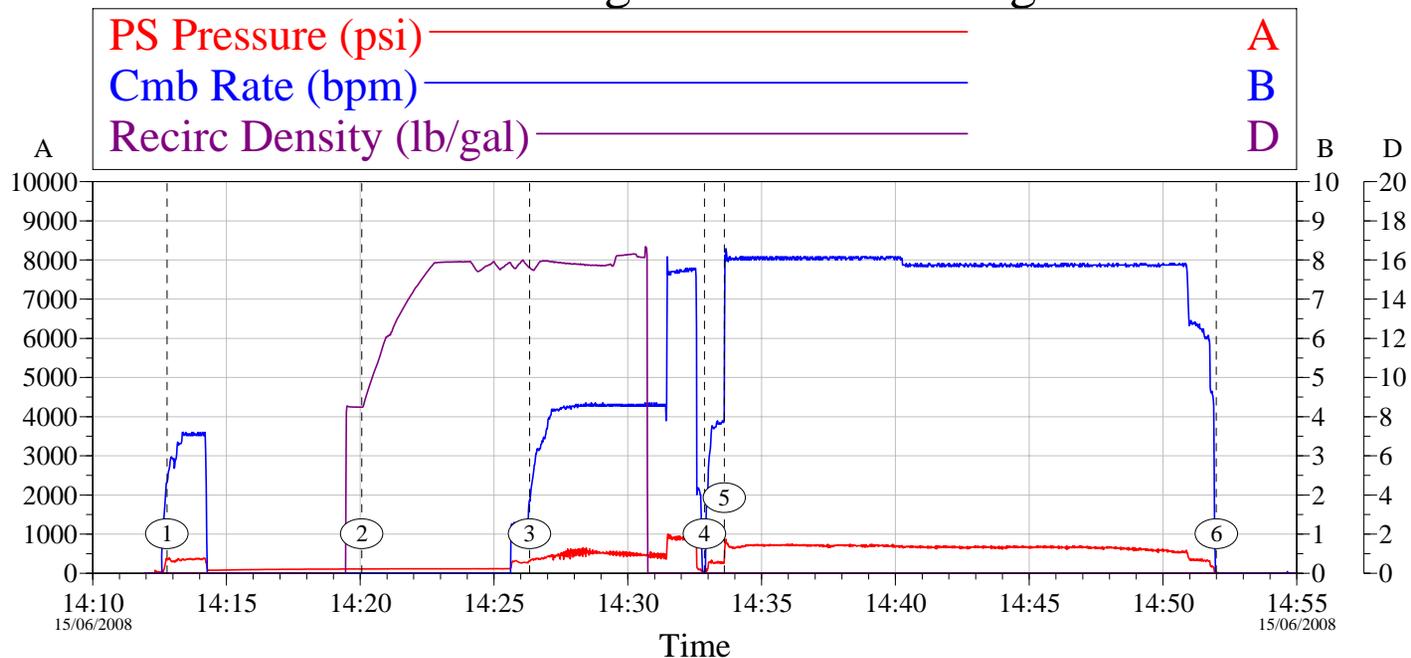
HALLIBURTON			CUSTOMER		SALES ORDER No.	DATE
			ADA			15 June 2008
CEMENT/PUMPING JOB SUMMARY						
WELL	LOCATION/FIELD NAME	COUNTRY	HES REP		CUSTOMER REP	WELL TYPE
Exploration	Bass Strait	Australia	Robert Bridgman		W. Openshaw	Exploration
JOB TYPE		JOB PURPOSE CODE			BDA	RIG
Zonal Isolation		PLUG TO ABANDON 7528			Perth	West Triton
JOB LOGS						
DATE	TIME	VOLUME	PRESSURE (psi)		RATE	JOB DESCRIPTION
DAY-MTH-YR	HRS:MIN	BBLs	HIGH	LOW	BPM	REMARKS/DETAILS
15-Jun-08	13:55					Hold JSA and Pre Job safety Meeting
PLUG # 1						
	14:06	5	280		2.5	Pump 5 BBL of drill water spacer
	14:08		1200			Pressure test Lines to 1200 PSI
	14:12	5	350		3.5	Pump 5 BBL of drill water spacer
	14:20					Batch Mix Cement
	14:26	25	317		4.2	Mix and Pump Cement down Hole
	14:32	5	42		4	Pump Drill water Spacer
	14:33	141	850		8.2	Displace with Drilling Mud
	14:52		0			End Displacing, Check for flow Back
PLUG # 2						
	16:38					Batch Cement
	16:40	5	600		2	Pump 5 BBL Drillwater Spacer
	16:43		1600			Pressure Test to 1600 PSI
	16:46	5	500		1.5	Pump 5 BBL Drillwater Spacer
	16:48	32	200		4	Mix and Pump 32 BBL Cement
	16:58	5	100		2.5	Pump 5 BBL Drillwater Spacer
	16:59	130	500		8	Displace with Drill Mud
	17:16					End Displacing and check flowback
16/06/2008						
Plug #3						
	3:38					JSA with drill crew
	3:48	3	200		7	Pump 3 BBL sea water Spacer
	3:52		1200			Pressure Test Lines to 1200 psi
	3:56	2	200		4	Pump 2 BBL sea water Spacer
	3:59					Mix cement @ 15.9 ppg
	4:05	55	60		4.5	Mix and pump cement Down Hole @15.9 ppg
	4:17	2	100		4	pump sea water spacer
	4:19	40	79		8	Displace with Drill Mud
16/06/2008						
PT shoe Plug	8:48		1200			Pressure Test Plug # 3 (Plug over 13 3/8 shoe)
16/06/2008						
Plug # 4	11:12	4	100		4.5	Pump 4 BBL sea water Spacer
	11:14		1000			Pressure Test lines 1000 PSI



	11:18	49	50		6	Mix and Pump cement @ 15.9 ppg
	11:32	5	50		6	Displace with 5 BBL drill water
	15:00					Clean up around Cement Unit and Prepare Unit for Rig Move
						Chemicals Used on Plug to Abandon Program fo Garfish #1
						Cement Class "G" 35 MT
						CFR-3 (Friction Reducer) 20 US Gals
						SCR 100L (Retarder) 15 gals
						HR-6L (Retarder) 10 Gallons
						NF-6 (Defoamer) 5 Gallons

6.3.4 PUMPING CHARTS

Garfish #1 Plug and abandon Plug #1

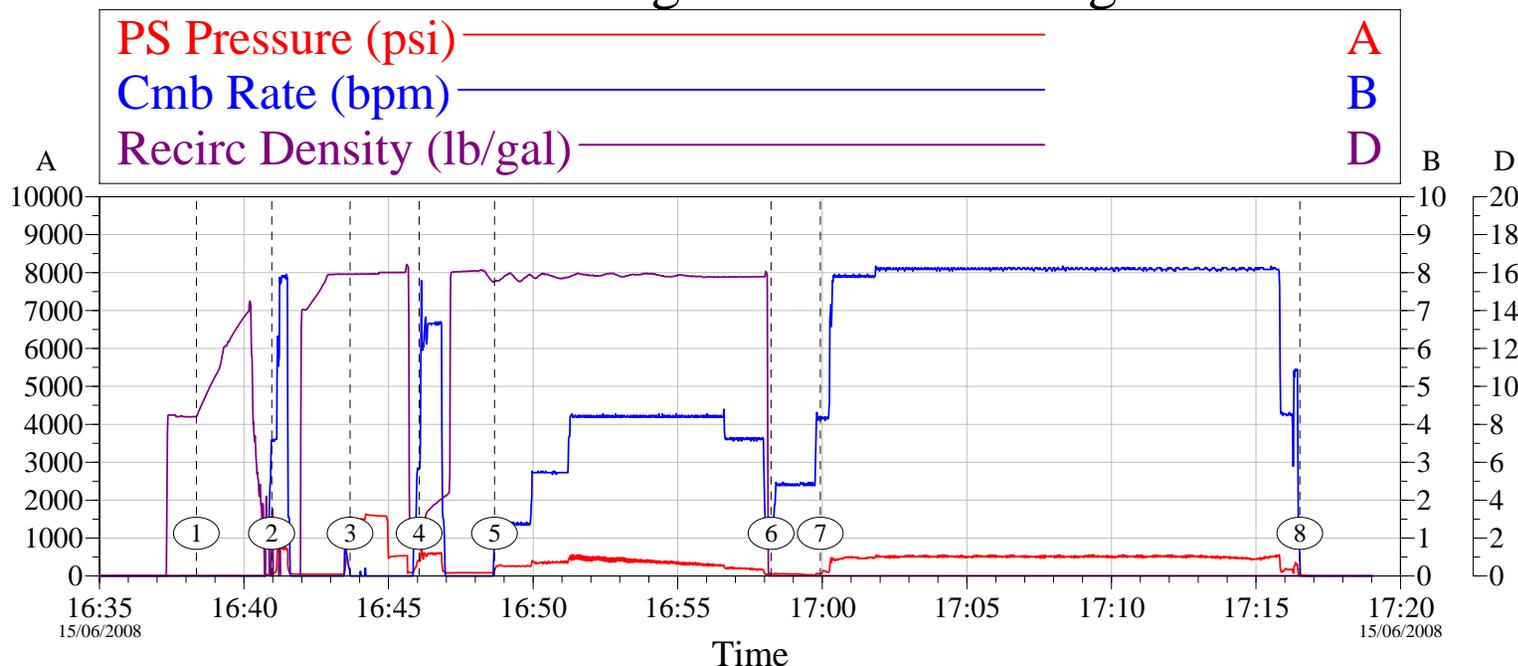


Event Log			
Intersection	PP	Intersection	PP
① Pump Drill water spacer	14:12:47 350.6	② Mix cement	14:20:03 108.2
③ Pump Cement Down Hole	14:26:20 317.7	④ Pump 5 BBL drill water spacer	14:32:52 42.87
⑤ Displace with Drilli Mud	14:33:37 386.7	⑥ End dispalcing, check Flow back.	14:52:00 21.65

Customer: ADA Nexus	Job Date: 15/6/08
Well Description: Garfish # 1	Job: P & A Plug #1

TG Version G3.4.1
16-Jun-08 14:19

Garfish #1 Plug and abandon Plug #2

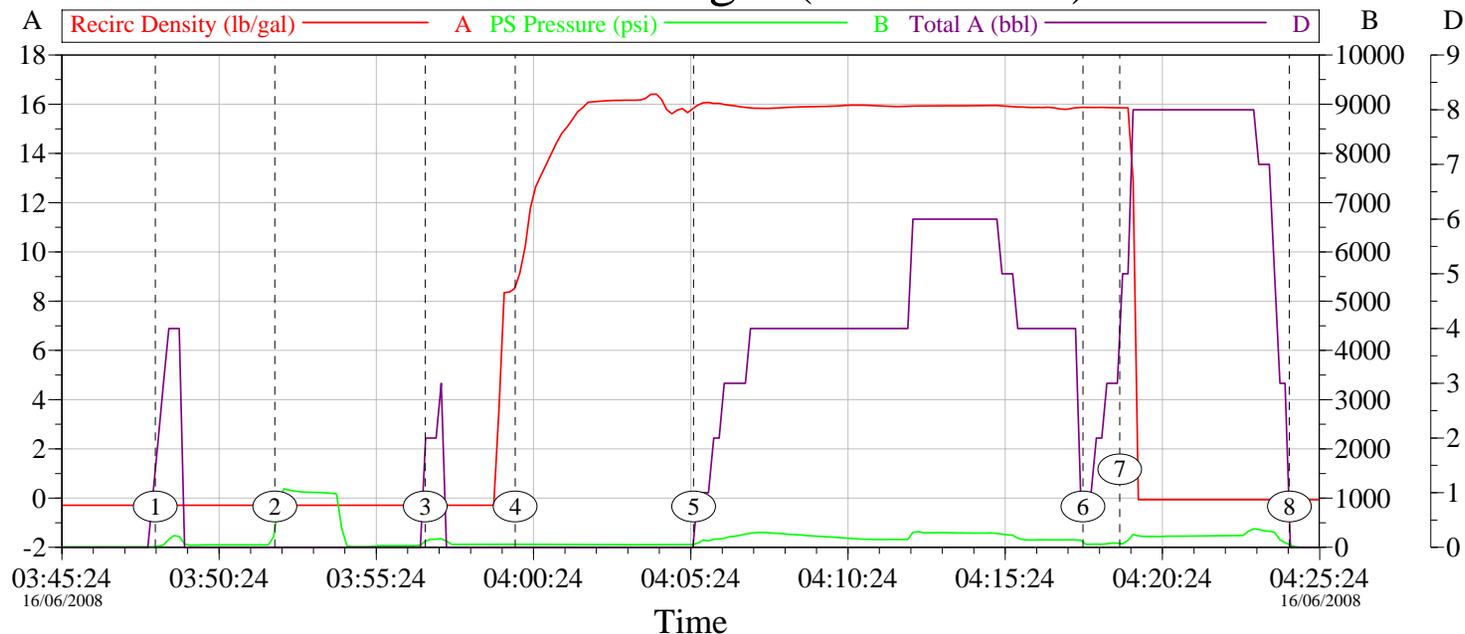


Intersection		Event Log		Intersection			
		PP			PP		
①	Batch Cement	16:38:21	9.121	②	Pump 5 BBL Drillwater Spacer	16:40:58	69.67
③	Pressure Test 1600 PSI	16:43:40	1569	④	Pump 5 BBL Drill water Spacer	16:46:04	395.2
⑤	Mix and Pump 32 BBL Cement	16:48:40	145.8	⑥	Pump 5 BBL drill water spacer	16:58:14	53.84
⑦	Displace with Drill mud	16:59:56	61.44	⑧	End Displacing and check flow back	17:16:31	23.23

Customer: ADA Nexus Well Description: Garfish # 1	Job Date: 15-06-2008 Job: P & A Plug 2
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TG Version G3.4.1
 16-Jun-08 14:27

Garfish P & A Plug 3 (across shoe)

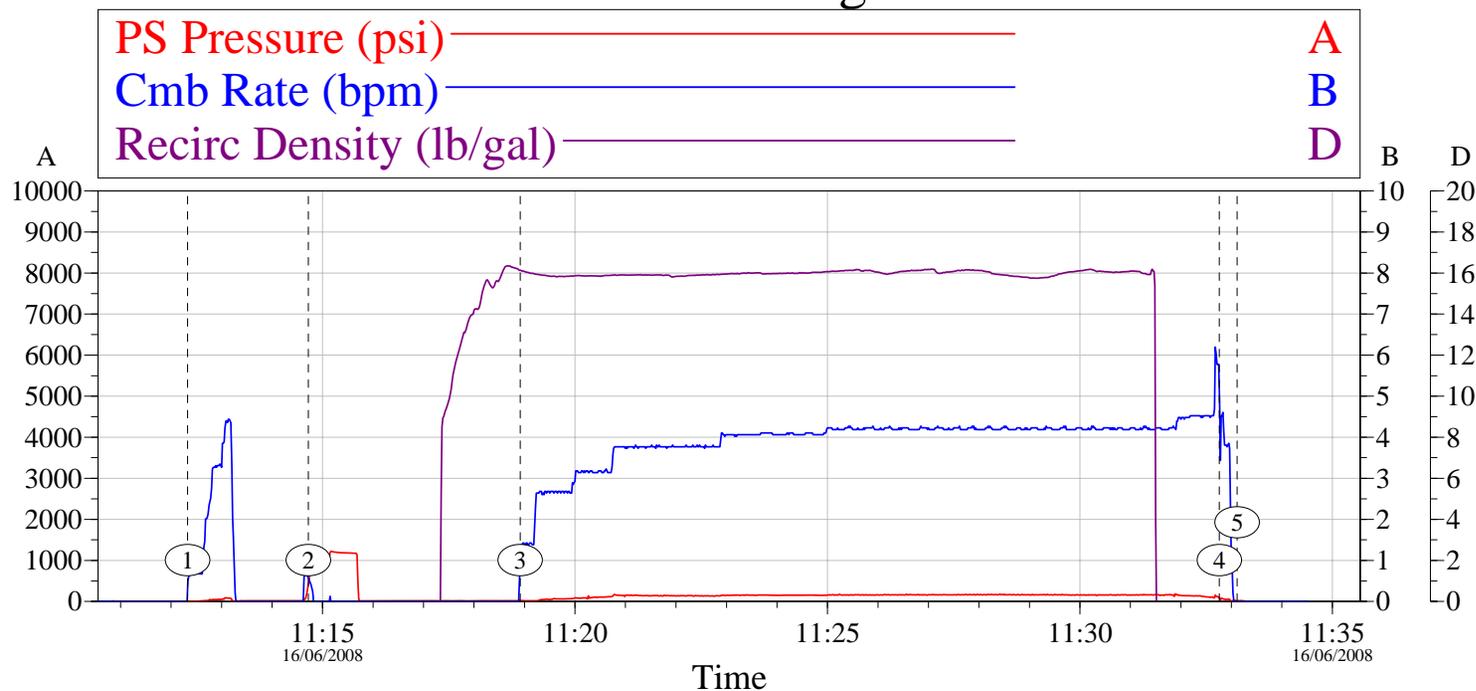


Intersection		Event Log		Intersection	
		PP			PP
①	Pump 3 BBL sea water spacer	03:48:22	18.17	②	Pressure Test 1200 PSI
③	Pump 2 BBL sea water Spacer	03:56:57	124.6	④	mix cement @15.9 ppg
⑤	mix and pump down hole @15.9ppg	04:05:29	60.24	⑥	pump sea water spacer
⑦	Displace with Drill Mud	04:19:03	79.89	⑧	End displacing and check fow back
				03:52:10	391.7
				03:59:49	59.89
				04:17:52	109.4
				04:24:26	53.16

Customer: Nexus Well Desc: Garfish #1	Job Date: 16-6-2008 JOB: Plug across shoe	Ticket #:
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TG Version G3.4.1
 16-Jun-08 18:12

Garfish #1 Plug #4



Intersection		Event Log		Intersection			
		PP		PP			
①	Pump 4 BBL sea water	11:12:20	7.551	②	Pressure test 1000 PSI	11:14:43	415.3
③	Mix and pump 49BBL Cement @ 15.9 ppg	11:18:55	28.56	④	Displace with 5 BBL sea water	11:32:46	81.67
⑤	End Dispalcing and check for flow back	11:33:07	19.18				

Customer: Nexus	Job Date: 16/6/08
Well Description: Garfish #1	Job: P & A Plug #4

TG Version G3.4.1
 16-Jun-08 14:10

LOT/FIT FORM

Well: Garfish -1

Rig: West Triton

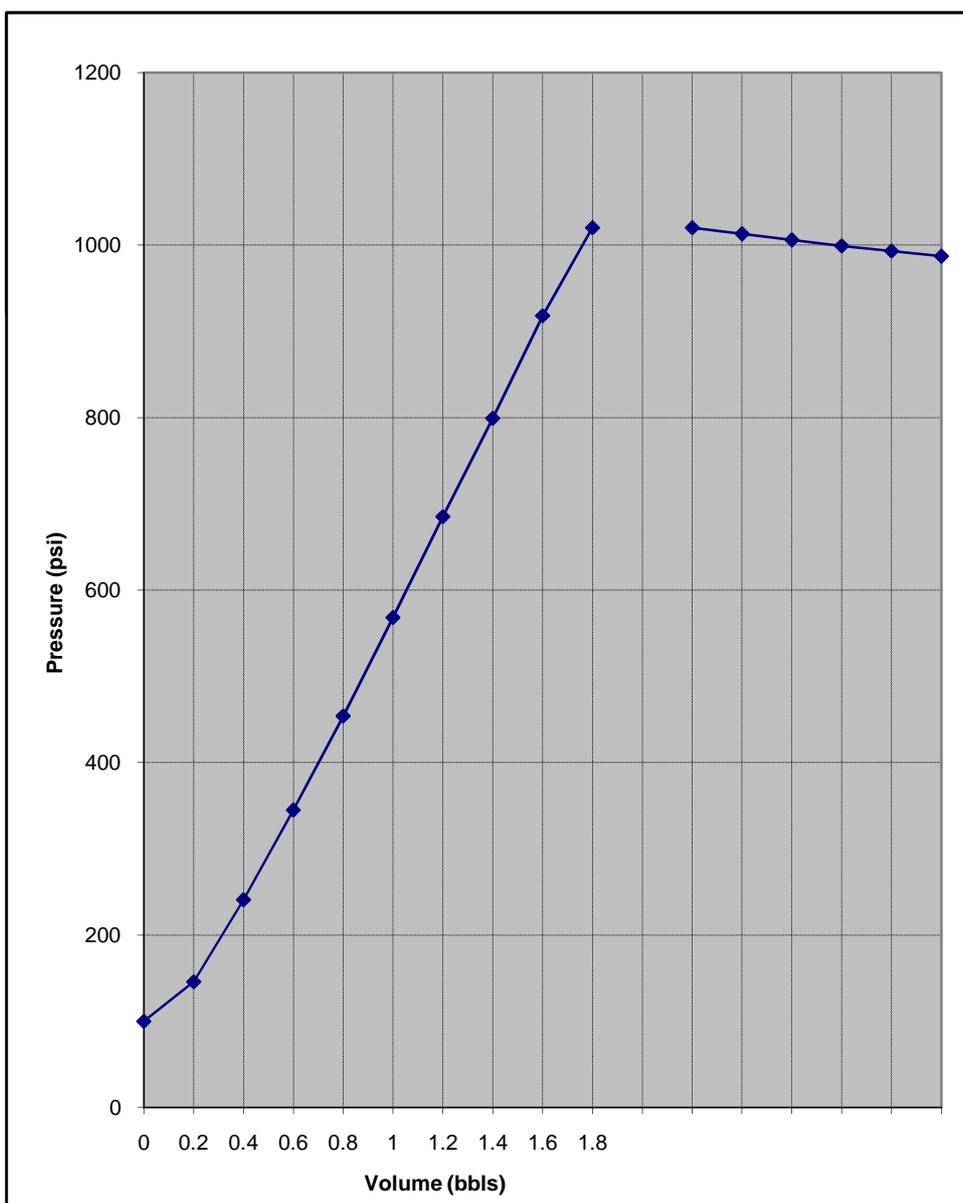
Date 5-Jun-08

Test (FIT/LOT): FIT

Mud Properties		Well Depth (m)	759	Vol pumped (bbls)	1.8
Weight (ppg)	9.4	Well TVD (m)	759	Vol lost (bbls)	0
PV (cp)	15	Casing size	13 3/8	Pressure(psi)	1020
YP(lb/100sq.ft)	27	Shoe Depth (m)	746.5	Pump rate(bbls/min)	0.25
FL (cc)		Min.Burst (psi)	3,450	FIT/LOT-sg (EMW)*	17.39

$$*FIT/LOT(EMW \text{ ppg}) = \frac{\text{Leak-off pressure (psi)}}{\text{Shoe Depth (m)}} + \text{Mud weight} \times 0.171$$

Time	Vol (bbls)	Ps (psi)
	0	100
	0.2	146
	0.4	241
	0.6	345
	0.8	454
	1	568
	1.2	685
	1.4	799
	1.6	918
	1.8	1020
ISP		
1min		1020
2min		1013
3min		1006
4min		999
5min		993
6min		987
7min		982
8min		977
9min		972
10min		967



Ps = Surface pressure

Pumped 1.8 bbls,
Returned 1.8 bbls

Garfish-1 Final Geodetic Survey

<p>Report Date: June 17, 2008 Client: Nexus Energy Field: Nexus Energy Structure / Slot: Gippsland Basin / 5 Well: Garfish-1 Borehole: Garfish-1 UWWAPI#: _____ Survey Name / Date: Garfish-1 Final / May 28, 2008 Tort / AHD / DDI / ERD ratio: 7.321° / 33.52 m / 2.906 / 0.013 Grid Coordinate System: GDA94/MGA94 Zone 55 Location Lat/Long: S 38 6 38.084, E 148 15 17.147 Location Grid N/E Y/X: N 5781172.451 m, E 610001.323 m Grid Convergence Angle: -0.77449365° Grid Scale Factor: 0.99974903</p>	<p>Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 0.000° Vertical Section Origin: N 0.000 m, E 0.000 m TVD Reference Datum: RKB TVD Reference Elevation: 39.85 m relative to Least Astronomic Tide Sea Bed / Ground Level Elevation: -56.000 m relative to Least Astronomic Tide Magnetic Declination: 13.073° Total Field Strength: 59812.094 nT Magnetic Dip: -68.602° Declination Date: May 28, 2008 Magnetic Declination Model: BGGM 2007 North Reference: Grid North Total Corr Mag North -> Grid North: +13.847° Local Coordinates Referenced To: Well Head</p>
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Comments	Measured Depth (m)	Inclination (deg)	Azimuth Grid (deg)	TVD (m)	Vertical Section (m)	NS Grid North (m)	EW Grid North (m)	DLS (deg/30 m)	Northing (m)	Easting (m)	Latitude	Longitude
Tie-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5781172.45	610001.32	S 38 6 38.084	E 148 15 17.147
	86.66	0.22	347.82	86.66	0.16	0.16	-0.04	0.08	5781172.61	610001.29	S 38 6 38.079	E 148 15 17.145
	122.43	0.11	197.82	122.43	0.20	0.20	-0.06	0.27	5781172.65	610001.26	S 38 6 38.077	E 148 15 17.144
	167.41	0.63	261.61	167.41	0.12	0.12	-0.32	0.39	5781172.57	610001.01	S 38 6 38.080	E 148 15 17.133
	225.52	0.37	223.32	225.52	-0.06	-0.06	-0.76	0.21	5781172.39	610000.56	S 38 6 38.086	E 148 15 17.115
	343.05	0.23	75.45	343.05	-0.28	-0.28	-0.79	0.15	5781172.17	610000.53	S 38 6 38.093	E 148 15 17.114
	431.83	0.14	31.60	431.83	-0.14	-0.14	-0.57	0.05	5781172.31	610000.76	S 38 6 38.089	E 148 15 17.123
	520.09	0.26	306.99	520.09	0.07	0.07	-0.67	0.10	5781172.52	610000.65	S 38 6 38.082	E 148 15 17.119
	608.29	0.58	280.34	608.28	0.27	0.27	-1.27	0.12	5781172.72	610000.06	S 38 6 38.076	E 148 15 17.094
	667.52	0.58	215.10	667.51	0.08	0.08	-1.74	0.32	5781172.53	609999.59	S 38 6 38.082	E 148 15 17.075
	746.93	0.21	194.47	746.92	-0.39	-0.39	-2.00	0.15	5781172.06	609999.32	S 38 6 38.097	E 148 15 17.065
	768.33	0.31	278.20	768.32	-0.42	-0.42	-2.07	0.50	5781172.03	609999.25	S 38 6 38.098	E 148 15 17.062
	857.62	0.21	288.14	857.61	-0.34	-0.34	-2.46	0.04	5781172.12	609998.86	S 38 6 38.096	E 148 15 17.046
	946.72	0.13	341.57	946.71	-0.19	-0.19	-2.65	0.06	5781172.26	609998.67	S 38 6 38.091	E 148 15 17.038
	1035.71	0.13	313.67	1035.70	-0.02	-0.02	-2.76	0.02	5781172.43	609998.57	S 38 6 38.086	E 148 15 17.033
	1184.34	0.20	28.39	1184.33	0.32	0.32	-2.76	0.04	5781172.77	609998.57	S 38 6 38.075	E 148 15 17.033
	1333.11	0.43	19.33	1333.09	1.08	1.08	-2.45	0.05	5781173.53	609998.88	S 38 6 38.050	E 148 15 17.046
	1480.34	0.74	19.34	1480.32	2.49	2.49	-1.95	0.06	5781174.95	609999.37	S 38 6 38.004	E 148 15 17.065
	1569.44	0.83	16.38	1569.41	3.66	3.66	-1.58	0.03	5781176.11	609999.75	S 38 6 37.966	E 148 15 17.080
	1599.08	0.79	17.89	1599.04	4.06	4.06	-1.45	0.05	5781176.51	609999.87	S 38 6 37.953	E 148 15 17.085
	1745.75	1.09	4.99	1745.69	6.41	6.41	-1.02	0.07	5781178.86	610000.30	S 38 6 37.876	E 148 15 17.101
	1893.73	1.24	353.25	1893.64	9.40	9.40	-1.09	0.06	5781181.85	610000.24	S 38 6 37.779	E 148 15 17.097
	2040.91	1.64	351.03	2040.78	13.06	13.06	-1.60	0.08	5781185.51	609999.72	S 38 6 37.661	E 148 15 17.074
	2188.18	1.63	348.05	2187.99	17.19	17.19	-2.36	0.02	5781189.64	609998.96	S 38 6 37.527	E 148 15 17.040
	2395.12	1.70	329.99	2394.84	22.73	22.73	-4.51	0.08	5781195.18	609996.81	S 38 6 37.349	E 148 15 16.949
	2433.46	1.58	329.48	2433.17	23.68	23.68	-5.06	0.09	5781196.12	609996.26	S 38 6 37.318	E 148 15 16.926
Projected to TD	2590.00	1.58	329.48	2589.65	27.40	27.40	-7.25	0.00	5781199.84	609994.07	S 38 6 37.198	E 148 15 16.834

Survey Type: Non-Def Survey

Survey Error Model: SLB ISCWSA version 24 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

<u>MD From (m)</u>	<u>MD To (m)</u>	<u>EOU Freq</u>	<u>Survey Tool Type</u>	<u>Borehole -> Survey</u>
0.00	86.66	Act-Stns	SLB_ZERO-Depth Only	Garfish-1 -> Garfish-1 Final
86.66	95.85	Act-Stns	SLB_MWD-STD-Depth Only	Garfish-1 -> Garfish-1 Final
95.85	2433.46	Act-Stns	SLB_MWD-STD	Garfish-1 -> Garfish-1 Final
2433.46	2590.00	Act-Stns	SLB_BLIND	Garfish-1 -> Garfish-1 Final

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Well History

Well: Garfish-1

#	Date	Depth	24 Hour Summary
1	25 May 2008		On Tow to Garfish - 1.
2	26 May 2008		On Tow to Garfish -1, soft pin rig, confirm location and heading. Carry out 100% preload while in water.
3	27 May 2008		Completed two stage 100% preloading. Jacked up to air gap of 17m. Skidded out cantilever to drilling position. Rigged up service lines and Texas deck. Picked up drill pipe.
4	28 May 2008	132.0m	Picked up and racked back 4 stands of drill pipe, 1 stand of 8.25in DC, cement stand and well head running tool. RIH and tag seabed at 96.25m MSL. Spud well at 13.30hrs. Drilled to 132m. POOH. Rigged up and ran 30in conductor to 33m. Made up running tool and continue to RIH.
5	29 May 2008	132.0m	Ran and cemented 30in conductor at 127.76m. WOC. Released running tool. POOH and laid out running tool. Lowered Texas deck. Made up slick BHA and RIH. Tagged TOC at 125m. Drilled cement, shoe track and cleaned rathole to 132m. Circulated hole clean. POOH. Picked up 5.5in heavy weight drill pipe.
6	30 May 2008	650.0m	Picked up 20 stands 5.5in drill pipe. Made up BHA. RIH. Drilled 17.5in hole from 132m - 650m.
7	31 May 2008	755.0m	Drilled to section TD at 755m. Circulated hole volume, spotted 500 bbls hi/vis at 755m. POOH to shoe. Waited on HPWH to arrive from town. RIH. Pumped hi/vis and displaced hole to inhibited mud 755m. POOH. Picked up well head.
8	01 Jun 2008	755.0m	Trouble shoot problems with Cameron well head running tools. Rigged up and ran 13.375in casing to 643m. Rigged up and ran drill pipe inner string to 619.1m. Picked up and made up well head to casing. RIH with casing on landing string. Landed out well head and confirmed with 50k overpull.
9	02 Jun 2008	755.0m	Cemented 13.375in casing. POOH with inner string, laid out running tool. Prepared and ran 22in HP riser to 66m. Dropped bushing into sea. Recovered bushing from diverter housing. Made up running tool to 22in HP riser.
10	03 Jun 2008	755.0m	Secured grating on Texas deck. Lowered HP riser to above wellhead but unable to stab in due to movement. Waited on slack tide, jumped ROV, stabbed H4 and locked on same. Pressure tested casing/H4 to 500psi/10min. Installed CTU and ran Claxton clamp. Due to uneven operation of CTU, sheared bolts on Claxton clamp. Troubleshoot problems on CTU and replaced sheared bolts on Claxton clamp.
11	04 Jun 2008	755.0m	Replaced sheared bolts on Claxton clamp, activated Claxton clamp and took riser tension on CTU. Released DQ running tool from wellhead. Ran BOP work platform, ran BOP, mandril, overshot and diverter assy. Picked up 12.25in BHA and RIH same.
12	05 Jun 2008	758.0m	Picked up 5.5in DP for 12.25in BHA. Tagged cement at 733m, drilled cement and rathole to 755m. Drilled 3m of new formation and performed FIT to 17.39ppg. POOH 12.25in BHA and made up 8.5in BHA and RIH picking up DP singles.
13	06 Jun 2008	1365.0m	Continued to RIH picking up 75 DP singles. Serviced TDS, washed down to bottom at 758m and drilled ahead 8.5in hole from 758m to 1365m.
14	07 Jun 2008	2082.0m	Drilled 8.5in hole from 1365m to 2082m. Shut well in at 2077m and flow check - false alarm due to malfunction of Flow>Show gauge.
15	08 Jun 2008	2352.0m	Drilled 8.5in hole from 2082m to 2352m. Weighted mud up to 11ppg in preparation for o/pressured zones.
16	09 Jun 2008	2450.0m	Drilled 8.5in hole from 2352m to 2410m. Racked back 2 stands and picked up 6 joints of DP. Drilled from 2410m to 2450m. Circulated and POOH. Made up and RIH coring assy to 538m.
17	10 Jun 2008	2470.0m	Continued to RIH with core barrel from 538m to 2450m. Cut core from 2450m to 2470m. Broke core off bottom (2hrs).
18	11 Jun 2008	2470.0m	POOH, broke out core barrel and recovered 19.34m of core - 96.7% recovery. Made up new 8.5in bit and BHA and RIH to 1875m picking up 12 joints of DP.
19	12 Jun 2008	2590.0m	RIH with new 8.5in bit from 1875m to 2450m. Reamed cored section from 2450m to 2470m. Continued drilling 8.5in hole from 2470m to 2590m. Circulated hole clean and POOH for wireline logging. Backreamed from 2583m to 2374m due to tight hole - jarred pipe free. Continued to POOH and racked back BHA to 70m.
20	13 Jun 2008	2590.0m	Racked back BHA and laid out MWD/LWD tools. Rigged up Schlumberger wireline and ran logs #1: PEX-ECS-HRLA-HNGS-GR, #2: FMI-DSI-XPT and #2b: MDT.
21	14 Jun 2008	2590.0m	Continued running wireline log #2b: MDT(interval 1994m to 2525m), log #3: VSP (interval 2580m to 96m), commenced running log #4: CST.
22	15 Jun 2008	2590.0m	Ran Schlumberger wireline log #4: CST firing 60 shots. RIH with 2.875in stinger and DP to 2308m and circulated bottoms up. Placed balanced cement plugs from 2308m to 2190m and from 2190m to 2100m. Laid down 4 stands of DP and tagged top cement plug at 2091m. POOH to 2032m.
23	16 Jun 2008	2590.0m	Continued to POOH from 2032m to 908m. Spotted 25bbl of hi vis pill, pulled to 760m and placed balanced cement plug #3 across shoe. POOH and laid down stinger. Pressure tested cement plug #3 to 1200psi. RIH with open DP, spotted 30bbl of hi vis and placed balanced surface cement plug on top of hi vis. POOH and

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

24	17 Jun 2008	2590.0m	flushed lines. Nipped down and stood back BOP. Made up running tool to riser, removed Claxton clamp and commenced removing CTU.
25	18 Jun 2008	2590.0m	Racked back CTU, engaged DQ running tool onto wellhead, released H4 connector and laid out 22in riser. Loaded H4 connector and pup joints onto boat and stowed Texas deck. Made up casing cutting assy, RIH same and cut casing at seabed.
26	19 Jun 2008	2590.0m	Completed cutting of casings - unable to pull casing free with 200klbs o/pull. Recovered cutting assy, replaced cutter blades and RIH for cut #2. Cut casings and pull same free. Prepared and skidded rig in.
			Skidded rig in while releasing casing cutter assy from recovered 30in and 20in. Continued laying down casing cutter assy and 2 jnts 8.25in DC's. Secured TDS. Held pre-jacking JSA, jacked rig down and commenced tow to Longtom-4. END OF GARFISH WELL @ 09:00hrs, Thursday 19th June 2008.

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Activity Report For Garfish-1

Date : 25 May 2008						Daily Cost : AUD\$ 6426550	Report Number : 1
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	P1	P	M1		1.5	***** RIG ON CONTRACT 22:30hrs 25/05/2008 ***** Rig under tow to Garfish -1. ETA location 07.00 hrs.	
Date : 26 May 2008						Daily Cost : AUD\$ 650000	Report Number : 2
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	P1	P	M1		11.5	On tow on Garfish -1. Rig on location at 11.30hours. Jacked down legs over last 2 hours of move & soft pinned rig on location. Preliminary position is: 4.35m @ 309.62 degs T from intended position. Latitude 38deg 06.634528' South, Longitude 148 deg15.286020' East. Rig heading 111.37 degrees. Initial leg penetration: Bow 1.05m, Port 1.15m, Stab 1.20m	
0.0	P1	P	M3		3	Jacked up to 2 meters draft. Changed over from sea chest to deep wells.	
0.0	P1	P	M3		8	Conducted 100% prelaod at 2m draft.	
0.0	P1	P	M3		1.5	Held 100% preload.	
Date : 27 May 2008						Daily Cost : AUD\$ 643950	Report Number : 3
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	P1	P	M3		0.5	Dumped 30% of preload.	
0.0	P1	P	M3		0.5	Jacked up to 0m air gap.	
0.0	P1	P	M3		2	Preload to 100%.	
0.0	P1	P	M3		6	Held 100% preload. Final leg penetrations: Bow 1.60m, Starbord 1.70m, Port 1.55m.	
0.0	P1	P	M3		1	Dumped preload.	
0.0	P1	P	M3		1.5	Jacked hull down to 0m airgap, held for 10 minutes. Jacked up to operational air gap of 17m.	
0.0	P1	P	M2		5.5	Released Battler from tow bridle at 11.30hrs. Prepare to skid out rig package to drilling position. Skidded out rig package. While skidding out installed jumbo shute and lower Texas deck.	
0.0	P1	P	M2		5.5	Secured cantilever and installed rig securing wedges. Rigged up service lines. Rigged up stairways to cantilever deck.	
0.0	P2	P	G2		1.5	Picked up 3 stands drill pipe.	
Date : 28 May 2008						Daily Cost : AUD\$ 884100	Report Number : 4
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
0.0	P2	P	G2		4	Picked up total of 4 stands of 5.5in drill pipe. Picked up 1 stand of 8in drill collars. Picked up, made up and racked back in derrick cementing stand and 30in casing running tool.	
0.0	P2	P	G2		3	Picked up and made up 36in BHA and racked back in derrick.	
0.0	P2	P	G1		4	Held JSA, rigged up and removed stairway from Texas deck, raised Texas deck and secured same.	
0.0	P2	P	G1		0.5	Rigged down slings and installed elevators.	
96.3	P2	P	G8		2	Made up 36in BHA. Observed tagging of seabed with ROV. RT/Seabed = 96.25m, RT/MSL = 39.85, Water Depth = 56.30 (MSL)	
132.0	P2	P	D2		1.5	Spudded Garfish-1 at 13.30 hrs. Drilled ahead from 96.25m - 132m.	
132.0	P2	P	F4		1	Swept hole with 200 bbls Hi-vis. Displaced hole to inhibited mud.	
132.0	P2	P	G8		1.5	POOH and racked back BHA.	
132.0	P3	P	G1		1	Held JSA and rigged up 30in casing equipment.	

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 28 May 2008**Daily Cost : AUD\$ 884100****Report Number : 4**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
132.0	P3	P	G9		2.5	Run 30in conductor to 33m. Checked float shoe.
132.0	P3	P	G1		1	Rigged down 30in casing equipment. Changed to drilling bails and 5.5in elevators.
132.0	P3	P	G9		2	Picked up and made up 30in casing running tool to casing. Installed bulleyes and cementing funnel.

Date : 29 May 2008**Daily Cost : AUD\$ 627600****Report Number : 5**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
132.0	P3	P	G9		1.5	Lowered 30in conductor to sea level, filled casing with sea water and closed valve on running tool. RIH to 94m. Jumped ROV. Attempted to observe stab into well with ROV. Currents too strong. Retrieved ROV. Stabbed into well and continued to RIH with conductor to 127.76m
132.0	P3	P	F3		1	Rigged up cement lines, pumped 10 bbl/s sea water and tested lines to 1000 psi. Held pressure for 5 mins. Mixed and pumped 150 bbls "G" cement slurry at 15.80 ppg and displaced with 24 bbls sea water. Differential pressure at end of displacement = 55 psi. Checked flow back: 1 bbl returned. Shoe set at 127.76m. Top 30in conductor at 93.90m.
132.0	P3	P	F7		4	Waited on cement. Jumped ROV and noted bulleyes reading: 3/4 degress forward/port.
132.0	P3	TP	F7	WO	3.5	Continued waiting on cement. Classed as NPT as the WOC period should have been 4hrs.
132.0	P3	P	G8		2	Released running tool from 30in conductor. POOH and laid out running tool. Picked up and racked back 18.75in CART tool.
132.0	P3	P	G1		2.5	Held JSA, rigged up slings, lowered Texas deck and installed stairway.
132.0	P3	P	G8		3.5	Laid out 36in BHA, picked up 22in bit and RIH with slick BHA. Tagged TOC at 125m.
132.0	P3	P	D1		1	Drilled cement, shoe track and cleaned rathole from 125m - 132m.
132.0	P3	P	F4		0.5	Pumped 75 bbls hi/vis and circulated bottoms up.
132.0	P3	P	G8		2	POOH to 57m.
132.0	P3	TP	G11	RE	0.5	Auto elevators not operating correctly. Removed auto elevators and installed manual elevators.
132.0	P3	P	G8		1	POOH and laid out bit.
132.0	P3	P	G2		1	Picked up heavy weight drill pipe and racked back in derrick.

Date : 30 May 2008**Daily Cost : AUD\$ 663660****Report Number : 6**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
132.0	P3	P	G2		6	Picked up and racked back 5.5in drill pipe. 20 stands total.
132.0	P4	P	G6		3	Picked up and made up 17.5in BHA, RIH, washed 5m to bottom.
650.0	P4	P	D2		15	Drilled 17.5in hole from 132m - 650m. Took surveys every 90m. Pumped 50 bbls hi/vis every stand.

Date : 31 May 2008**Daily Cost : AUD\$ 684617****Report Number : 7**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
755.0	P4	P	D2		4.5	Drilled 17.5in hole from 650m - 755m.
755.0	P4	P	F4		1	Pumped 150 bbls Hi/vis and circulated hole volume and spot 500 bbls bentonite on bottom.
755.0	P4	P	G8		1.5	POOH to 132m. Hole good.
755.0	P5	P	G11		1	Serviced Top Drive and worked on auto elevators.
755.0	P5	P	G2		1	Made up and racked back 2 stands of 5.5in drill pipe and 2 stands 6in drill collars.
755.0	P5	TP	G13	WO	6	Waited on HPWH to arrive to rig. Carried out the following tasks whilst waiting on same: - Lowered CTU down to Texas deck - Removed test joint from BOP'S
755.0	P4	TP	G8	WO	2	RIH to 721m held up with 20k down.
755.0	P4	TP	D6	WO	0.5	Washed and lightly reamed from 721m - 755m.
755.0	P4	TP	F4	WO	0.5	Pumped 150 bbls Hi/vis and displaced hole to inhibited mud.

Wellname : Garfish-1

Drilling Co. : Seadrill

Rig : West Triton

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 31 May 2008

Daily Cost : AUD\$ 684617

Report Number : 7

755.0	P4	TP	G8	WO	3	POOH to BHA.
755.0	P4	P	G6		2	Laid out bit, bit sub and MWD. Racked back BHA.
755.0	P5	P	F7		1	Rigged up and picked up well head and set in rotary table.

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Activity Report For Garfish-1

Date : 01 Jun 2008						Daily Cost : AUD\$ 956006	Report Number : 8
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
755.0	P5	P	G12		0.5	Installed wear bushing into well head.	
755.0	P5	TP	G12	TP	3	Picked up well head running tool from derrick, attempted to make up running tool. Running tool only rotated 2 1/2 turns. Backed out running tool, inspected running tool. Checked that wear bushing correctly seated into well head. Attempted to make up running tool 2 1/2 turns, made up top drive rotated 2 more turns then torque increased to 12,000 ft/lbs. Backed out running tool. Picked up and attempted to make up spare running tool to well head, only rotated 2 1/2 turns. Laid out running tool, installed and made up running tool to back up well head laying on catwalk. Running tool rotated 8 1/2 turns, checked running position - OK.	
755.0	P5	TP	G12	TP	0.5	Laid out well head from rotary table to deck.	
755.0	P5	TP	G12	TP	2	Picked up back up well head with back up running tool installed. Laid out running tool from well head. Picked-up well head running tool from derrick and attempted to make same to well head. Rotated 2 1/2 turns and then stopped. Backed out running tool. Maded up top drive and rotated running tool 3 1/2 turns and torque increased to 5000 ft/lbs. Backed out running tool.	
755.0	P5	TP	G12	TP	1	Laid out well head from rotary table to deck.	
755.0	P5	P	G12		2.5	Picked up well head "A". Installed bolts into running tool for use of running tool when wear bushing not installed into well head. Made up running tool into well head. Checked running tool - OK. Removed bolts and racked back well head and running tool in derrick.	
755.0	P5	P	G1		2.5	Rigged up Weatherford casing equipment and changed out bails.	
755.0	P5	P	G9		6	Held JSA and ran 13.375in casing to 643m. Checked float shoe and observed stab into 30in well head with ROV.	
755.0	P5	P	G9		1	Rigged down fill up tool and casing elevators. Rigged up drill pipe handling equipment.	
755.0	P5	P	G9		2	RIH with 5.5in drill pipe inner string to 619.10m	
755.0	P5	P	G9		3	Picked up and made up well head to 13.375in casing. RIH with landing string, land out well head at 30in conductor and confirmed latched into well head with 50k overpull. Top of 18.75in well head at 92.66m. Shoe at 746.53m.	

Date : 02 Jun 2008						Daily Cost : AUD\$ 634896	Report Number : 9
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
755.0	P5	P	F3		2	Held JSA and rigged up cement lines. Pumped 5bbls sea water and tested lines to 1000psi. Pumped 95 bbls sea water. Mixed and pumped Lead 377 bbls "G" cement slurry at 12.5 ppg followed by 63 bbls "G" Tail cement slurry at 15.80 ppg. Displaced with 57 bbls sea water. Final pressure 340 psi. Bled off pressure and checked floats - float holding. Volume returned 1.25 bbls.	
755.0	P5	P	G1		3	Rigged down cement lines, backed out well head running tool. POOH, laid out running tool and cement stand.	
755.0	P6	P	G1		4	Rigged up and prepared to run HP riser. Cleared conductor deck and moved CTU for access for HP riser "C" plate. Lowered H4 connector to work boat.	
755.0	P6	P	G2		1	Lifted H4 connector from work boat with travelling blocks and landed out on "C" plate on Texas deck.	
755.0	P6	P	G2		0.5	Made up running tool and racked back in derrick.	
755.0	P5	P	G9		7	Held JSA. Rigged up and ran 22in HP riser to 66m. Split bushings fell through rotary table.	
755.0	P6	TP	G23	TP	3.5	Time out for safety. Secured area and investigate incident. One bushing fell through to Texas deck and into the sea. The other landed in the diverter housing, hanging over into hole centre.	
755.0	P6	TP	G23	TP	3	Held JSA. Rigged up and retrieved split bushing from diverter housing. Welder fabricated grating to cover opening in Texas deck and installed same onto Texas deck.	

Date : 03 Jun 2008						Daily Cost : AUD\$ 680535	Report Number : 10
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
755.0	P6	P	G9		1	RIH with HP riser. Attached straps to H4 connector operating lines.	
755.0	P6	P	G9		3	Attempted to land out H4 connector on 18.75in well head. Troubles encountered with landing H4 connector due to tidal currents causing large amount of movement of H4 connector above well head while attempting to land out.	

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 03 Jun 2008**Daily Cost : AUD\$ 680535****Report Number : 10**

755.0	P6	TP	G9	WOW2		Waited on slack water to land out H4 connector onto 18.75in well head.
755.0	P6	P	G9		1	Jumped ROV to assist stabbing of H4 connector. Stabbed H4, sat down 34Kips weight, locked down H4 and tested by pulling 50 Kips overpull. Slacked off to 140 Kips while working on CTU.
755.0	P6	P	P1		2	Lined up Halliburton, filled up riser and pressure tested same to 500psi/10 min against casing.
755.0	P6	P	G23		0.5	Held JSA to discuss running of CTU.
755.0	P6	P	G1		10	Cleared Texas deck, removed "C" plate, elevators, slings and installed CTU on Texas deck. Held JSA for new crew. Lowered Claxton clamp through rotary to top of CTU. Attempted to adjust CTU to correct level to tension up on riser. CTU movement uneven causing slip segment adjusting bolts to shear.
755.0	P6	TP	G23	RE	0.5	Senior personnel on crew called away to attend feedback meeting on dropped object incident on 2 June.
755.0	P6	TP	G20	RE	3	Mechanic troubleshot problems relating to uneven functioning of CTU. Studied drawings of Claxton clamp to determine course of action after bolts sheared.
755.0	P6	TP	G20	RE	1	Removed Slip Segment Captivation Plate from Claxton clamp to replace sheared slip segment adjusting bolts.

Date : 04 Jun 2008**Daily Cost : AUD\$ 626338****Report Number : 11**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
755.0	P6	TP	G20	RE	3	Held PJSM and reviewed JSA. Continued replacing sheared bolts on Claxton clamp and adjusted slip segments to butt up against slip segment captivation plate.
755.0	P6	P	G10		1.5	Tensioned up main clamp bolts on Claxton clamp and lifted Claxton clamp above CTU before raising CTU. Positioned CTU to correct level position, lowered Claxton clamp to CTU and tensioned up CTU to 100MT.
755.0	P6	P	G2		1	Released running tool from wellhead at Texas deck and laid down same.
755.0	P6	P	G1		0.5	Rigged up to install BOP work platform over CTU.
755.0	P6	P	G1		3	Held JSA and PJSM and laid down mousehole. Installed work platform on Texas deck.
755.0	P6	P	G13		5.5	Held JSA/PJSM and moved BOP to well centre and set BOP on wellhead. Torqued up bolts and nipped up BOP. Increased CTU pressure to 196MT.
755.0	P6	P	P1		0.5	Pressure tested BOP/wellhead connection against casing/blind ram to 2000 psi - OK.
755.0	P6	P	G13		6.5	Held JSA, nipped up choke line, installed mandrel, overshot and diverter. Locked diverter, energised and function tested same.
755.0	P6	P	G13		0.5	Tested functions on BOP.
755.0	P12	P	G6		2	Moved 1 stand 9.5in DC's from aft to fwd fingers to access 8.5in DC's. Made up 12.25in milled tooth bit and RIH to 87m.

Date : 05 Jun 2008**Daily Cost : AUD\$ 782882****Report Number : 12**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
755.0	P12	P	G2		5.5	Continued picking up drill pipe and tagged cement at 733m. A total of 66 jnts of DP were picked up. Made up TDS and appeared to damage saver sub. Offline: Tested choke line to 5000/350 psi.
755.0	P12	TP	G2	RE	0.5	Laid out damaged single DP and inspected saver sub - OK.
755.0	P12	P	D1		3.5	Drilled cement inside 13.375in casing to shoe at 746.5m and drilled rathole to 755m.
758.0	P12	P	D2		0.5	Drilled 12.25in hole from 755m to 758m
758.0	P12	P	F4		0.5	Circulated bottoms up and conditioned mud.
758.0	P12	P	E1		0.5	Lined up Halliburton and performed FIT. Pumped 1.8bbl to reach a pressure of 1020psi - 17.39ppg EMW. No sign of leak off. Stopped pumping. Bled back 1.8bbl fluid.
758.0	P12	P	G1		1.5	Changed out bails to drilling bails, new crew held JSA, continued changing out bails and picked up 5.5in elevators.
758.0	P12	P	G8		2.5	Held JSA, flowchecked and POOH wet from 758m to BHA at 87m. Flowchecked - static.
758.0	P12	P	G8		1	Continued POOH with BHA from 87m to surface. Broke out bit.

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 05 Jun 2008						Daily Cost : AUD\$ 782882	Report Number : 12
758.0	P12	P	G1	0.5	Cleared rig floor of excessive equipment and prepared for 8.5in BHA.		
758.0	P12	P	G6	2	Held JSA and made up 8.5in BHA to 76m.		
758.0	P12	P	G6	2	Changed out 5in manual elevators to 5.5in auto elevators. RIH with 2 stands HWDP from 76m to 132m.		
758.0	P12	P	G6	1	Changed out 5.5in elevators to 5in manual. Picked up jar and RIH to 144m.		
758.0	P12	P	G6	1	Changed out 5in manual elevators to 5.5in auto elevators. RIH 2 stands 5.5in HWDP to 191m, laid out one single HWDP.		
758.0	P12	P	G2	1.5	Held JSA, adjusted link tilt clamps and commenced picking up 5.5in DP singles from 191m to 280m.		
Date : 06 Jun 2008						Daily Cost : AUD\$ 657496	Report Number : 13
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
758.0	P12	P	G2		5.5	Continued to RIH with 8.5in bit from 280m to 734m picking up 73 DP singles. Stood back 6 stands of DP in derrick to make way in the string for a total of 75 joints to be picked up. Shallow tested mwd/lwd tools at 319m.	
758.0	P12	P	G11		0.5	Serviced TDS.	
758.0	P12	P	F1		0.5	Callibrated Schlumberger depth, recorded SCR's and washed down to 758m.	
1365.0	P12	P	D2		17.5	Drilled 8.5in hole from 758m to 1365m. Took survey every 3 stands and latterly every 5 stands. Pumped hi vis as required.	
Date : 07 Jun 2008						Daily Cost : AUD\$ 652444	Report Number : 14
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
2077.0	P12	P	D2		21.5	Drilled 8.5in hole from 1365m to 2077m.	
2077.0	P12	P	P3		0.5	Observed flow at Flow-Show gauge. Shut well in and flowchecked - false alarm due to malfunction of Flow-Show gauge.	
2082.0	P12	P	D2		2	Drilled ahead 8.5in hole from 2077m to 2082m.	
Date : 08 Jun 2008						Daily Cost : AUD\$ 652444	Report Number : 15
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
2352.0	P12	P	D2		24	Drilled 8.5in hole from 2082m to 2352m. At 2100m, weighted up mud from 10.1ppg to 11.0ppg.	
Date : 09 Jun 2008						Daily Cost : AUD\$ 625962	Report Number : 16
Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity	
2410.0	P12	P	D2		4.5	Drilled 8.5in hole from 2352m to 2410m. Drilling break at 2407m. ROP increased from 11m/hr to 30m/hr. Flowchecked - Ok.	
2410.0	P12	P	G2		1	Stood back 2 stands of DP in derrick and picked up 6 singles of DP to allow further drilling.	
2450.0	P12	P	D2		3	Drilled 8.5in hole from 2410m to 2450m.	
2450.0	P12	P	F4		1	Swept hole with 50bbl hi vis and circulated 2x bottoms up to clean hole.	
2450.0	P12	P	G8		3.5	Flow checked and POOH from 2450m to 1285m.	
2450.0	P12	P	F3		0.5	Made up TDS and pumped 20bbl slug.	
2450.0	P12	P	G8		2.5	Continued to POOH from 1285m to 132m. Flow checked at shoe.	
2450.0	P12	P	G8		1.5	Changed out auto elevators for 5.5in manual elevators. POOH with BHA from 132m to surface.	
2450.0	P12	P	G6		4	Held JSA, picked up and made up core barrel assy and RIH same.	
2450.0	P12	P	G8		2.5	Continued to RIH with BHA, changed elevators, continued RIH with coring assy to 538m.	

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 10 Jun 2008**Daily Cost : AUD\$ 1210271****Report Number : 17**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2450.0	P12	P	G8		5	Continued RIH with core barrel from 538m to 2421m. Filled pipe every 500m. Laid down 1 single DP for space-out.
2450.0	P12	P	F1		0.5	Broke circulation and washed down from 2421m to tag bottom at 2450m.
2450.0	P12	P	F4		0.5	Broke pipe, dropped ball and circulated ball down. Took SCR's.
2470.0	P12	P	E7		16	Cut core from 2450m to 2470m under guidance of BHI coring supervisor.
2470.0	P12	P	E7		2	Broke core free by working pipe to 30klbs overpull and circulating

Date : 11 Jun 2008**Daily Cost : AUD\$ 2118880****Report Number : 18**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2470.0	P12	P	G8		1.5	Reviewed JSA, flow checked and POOH core assy from 2470m to 2195m at a controlled rate.
2470.0	P12	P	F3		0.5	Flow checked and slugged pipe.
2470.0	P12	P	G8		4.5	Continued to POOH core assy at a controlled rate from 2195m to shoe at 746m.
2470.0	P12	P	G8		2.5	Flow checked - static. Continued to POOH at a controlled rate from 746m to 240m.
2470.0	P12	P	G8		2	Flow checked at BHA - static. Continued to POOH at a controlled rate from 240m to 67m.
2470.0	P12	P	E7		5	Held JSA, broke core barrel and laid down same. Recovered 19.34m of core - 96.7% recovery.
2470.0	P12	P	G6		2.5	Held JSA and picked up new 8.5in bit and BHA from surface to 185m.
2470.0	P12	P	G2		1.5	Held JSA and picked up 12 joints of 5.5in DP to 293m.
2470.0	P12	P	G8		4	Continued to RIH from 293m to 1875m. Broke circulation at shoe (746m).

Date : 12 Jun 2008**Daily Cost : AUD\$ 644152****Report Number : 19**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2470.0	P12	P	G8		1.5	Continued to RIH from 1875m to 2450m. Filled string at 2000m.
2470.0	P12	P	F1		1	Reamed down cored section from 2450m to 2463m.
2470.0	P12	TP	G11	RE	0.5	Greased TDS wash pipe due to small leak and took SCR's.
2470.0	P12	P	F1		0.5	Continued reaming cored section from 2463m to 2470m.
2590.0	P12	P	D2		10	Drilled ahead 8.5in hole from 2470m to 2590m.
2590.0	P12	P	F4		1	Pumped 50bbl hi vis sweep and circulated hole clean.
2590.0	P12	P	G8		0.5	POOH from 2590m to 2374m.
2590.0	P12	TP	F1	WB	1	Made up TDS and backreamed from 2583m to 2464m - tight at 2494m and 2484m. Used jar to free pipe. Continued to backream from 2464m to 2374m.
2590.0	P12	P	G8		6.5	Continued to POOH from 2374m to 186m. Slugged pipe at 1491m.
2590.0	P12	P	G6		1.5	Racked back BHA from 186m to 70m.

Date : 13 Jun 2008**Daily Cost : AUD\$ 647681****Report Number : 20**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2590.0	P12	P	G8		1	Held JSA and continued to racking back BHA and laying down MWD/LWD tools.
2590.0	P12	P	G11		0.5	Serviced TDS and related equipment.
2590.0	P12	P	E3		1	Held JSA and rigged up Schlumberger wireline equipment.
2590.0	P12	P	E3		7.5	Ran wireline log #1: PEX-ECS-HRLA-HNGS-GR from 2590m to casing shoe at 746m.
2590.0	P12	P	E3		12	Ran wireline log #2: FMI-DSI-XPT over full depth interval. XPT tool failure due to hydraulic pressure problem. Continue with DSI log after XPT failure.
2590.0	P12	TP	E3	TP	2	Made up MDT & ran in hole. Made a correlation pass over interval 2160m to 2105m. Retested station at 2113.5m previously successfully tested in the XPT run.

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 14 Jun 2008**Daily Cost : AUD\$ 612372****Report Number : 21**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2590.0	P12	P	E3		8	Ran wireline log #2b: MDT over interval 1994mm to 2525m due to failure of XPT tool on previous run.
2590.0	P12	TP	E3	TP	2	POOH with the MDT tool and rigged down same.
2590.0	P12	P	E3		13.5	Rigged up and ran wireline log #3: VSP over interval 2580m to 96m.
2590.0	P12	P	E3		0.5	Commenced running wireline log #4: CST for interval 2580m to 2025m.

Date : 15 Jun 2008**Daily Cost : AUD\$ 658943****Report Number : 22**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2590.0	P12	P	E3		6	Ran wireline log #4: CST, 60 shots taken over interval 2580m to 2025m. 42 recovered, 16 misfired and 2 empty.
2590.0	P12	P	G1		0.5	Rigged down Schlumberger logging tools.
2590.0	P21	P	G1		0.5	Held JSA and rigged up to run 2.875in stinger.
2590.0	P21	P	G2		1	Picked up and made up 2.875in stinger to 107m.
2590.0	P21	P	G8		5.5	Changed out 2.875in elevators to 5.5in auto elevators and continued to RIH stinger with 5.5in DP to 2308m.
2590.0	P21	P	F4		0.5	Circulated botoms up. No significant gas readings (0.08%).
2590.0	P21	P	F3		1	Pressure tested cement lines to 1000psi, mixed and displaced balanced cement plug #1 from 2308m to 2190m using 26bbl class G cement at 15.8ppg.
2590.0	P21	P	G8		1	POOH 4 stands from 2308m to 2189m.
2590.0	P21	P	F4		0.5	Circulated bottoms up.
2590.0	P21	P	F3		1	Pressure tested cement lines to 1000psi, mixed and displaced balanced cement plug #2 from 2190m to 2100m using 32bbl class G cement at 15.8ppg.
2590.0	P21	P	G8		1	POOH 5 stands from 2189m to 2032m.
2590.0	P21	P	F4		0.5	Circulated bottoms up.
2590.0	P21	P	G8		1	POOH 4 stands from 2032m to 1915m.
2590.0	P21	TP	G11	RE	0.5	Refastened loose brackets on bails and greased leaking wash pipe on TDS.
2590.0	P21	P	G2		1.5	RIH 4 stands and lay down same - DP requiring inspection.
2590.0	P21	P	G8		1.5	RIH from 1915m and tag TOC at 2091m .
2590.0	P21	P	G8		0.5	POOH from 2091m to 2032m.

Date : 16 Jun 2008**Daily Cost : AUD\$ 1330200****Report Number : 23**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2590.0	P21	P	G8		2.5	POOH with stinger from 2032m to 908m.
2590.0	P21	P	F3		0.5	Pumped 25bbl of hi vis mud and displaced with 52bbl of drilling mud.
2590.0	P21	P	G8		0.5	Pulled back 5 stands to 760m.
2590.0	P21	P	F3		1	Rigged up for cement plug #3 placing stinger at 768m. Pressure test lines, mixed and displaced balanced cement plug from 768m to 670m using 55bbl of class G cement at 15.9ppg.
2590.0	P21	P	G8		0.5	Pulled back 5 stands to 612m.
2590.0	P21	P	F4		0.5	Circulated bottoms up.
2590.0	P21	P	G8		1.5	POOH from 612m to 107m.
2590.0	P21	P	G2		1.5	Broke out and laid down 2.875in cement stinger.
2590.0	P21	P	P4		0.5	Lined up and pressure tested cement plug #3 to 1200psi OK.
2590.0	P21	P	G8		1	RIH with open ended DP to 296m.
2590.0	P21	P	F3		1	Spotted 30bbl of hi vis mud. POOH from 296m to 236m and displaced hole to seawater.
2590.0	P21	P	F3		0.5	Rigged up for cement plug #4. Pressure tested lines, mixed and displaced balanced cement plug from 236m to 120m using 49bbl of class G cement at 15.9ppg.

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 16 Jun 2008**Daily Cost : AUD\$ 1330200****Report Number : 23**

2590.0	P21	P	G8	0.5	POOH from 236m to 119m.
2590.0	P21	P	F4	1.5	Circulated bottoms up and flushed choke and kill lines, overboard lines, choke manifold and poor boy degasser.
2590.0	P21	P	G8	0.5	POOH from 119m to surface.
2590.0	P21	P	G13	6	Held JSA, nipples down and stood back BOP, laid down overshot mandrel, packer and diverter.
2590.0	P21	P	G1	3	Made up DQ running tool onto wellhead, took tension of 135klbs and slacked off CTU tension. Removed Claxton clamp.
2590.0	P21	P	G1	1	Rigged down CTU.

Date : 17 Jun 2008**Daily Cost : AUD\$ 2024178****Report Number : 24**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2590.0	P21	P	G1		2.5	Continued to nipple down CTU and racked back same. Jumped ROV.
2590.0	P21	P	G1		1	Pressured up H4 actuator to 1600psi and lifted connector 2m clear of seabed wellhead. Observed operations with ROV.
2590.0	P21	P	G1		0.5	Broke out DQ running tool and stood back in derrick. Rigged up 30in bushings and 22in inserts.
2590.0	P21	P	G1		1.5	Changed out bails and 5.5in elevators to long bails and 22in s/door elevators.
2590.0	P21	P	G2		3	Continued laying out 22in riser joints.
2590.0	P21	P	G2		1	Installed C-plate and 22in side door elevators to suspend H4 connector at Texas deck. Disconnected RBC coupling.
2590.0	P21	P	G2		1	Continued to POOH with remaining riser joints and laid down same.
2590.0	P21	P	G2		1.5	Connected slings to H4 connector and lowered same to boat.
2590.0	P21	P	G2		3	Parked Texas deck and stairs.
2590.0	P21	P	G1		1.5	Rigged down Texas deck slings, held safety debrief for Texas deck and changed bails and elevators.
2590.0	P21	P	G6		2	Held JSA and made up casing cutter assy, including MOST tool.
2590.0	P21	P	G8		0.5	RIH with casing cutter assy.
2590.0	P21	P	G8		0.5	Jumped ROV to assist entry into wellhead, landed out cutter assy, took 10k lbs O/pull and then set down 4k lbs.
2590.0	P21	P	G17		4.5	Cut casing at 98.4m using 130 rpm, 650 gpm, 800psi.

Date : 18 Jun 2008**Daily Cost : AUD\$ 609700****Report Number : 25**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2590.0	P21	P	G17		0.5	Continued to cut casing - good indications of cut being completed.
2590.0	P21	TP	G17	WB	1.5	Attempted to pull casing free from seabed using up to 100klbs o/pull - unsuccessful.
2590.0	P21	TP	G17	WB	0.5	Jumped ROV, unlatched MOST tool and pulled up sufficiently to check cutting marks on the cutter. Very good indications of both 30in and 20in casing being cut. RIH cutter assy and landed out same.
2590.0	P21	TP	G17	WB	2	Continued attempts to try to pull casing free. Circulated without rotation while holding 70klbs o/pull on string - confirmed circulation at seabed coming up around the wellhead using the ROV. Retracted the ROV. Released o/pull and continued circulation and rotation to try to free up casing. Stopped rotation and increased o/pull to 200klbs - no success.
2590.0	P21	TP	G17	WB	1	Worked cutter several times to release MOST tool from wellhead. (ROV unavailable due to grounding of one phase of the power supply)
2590.0	P21	TP	G17	WB	3.5	POOH with cutter assy to change out cutters. Laid out 1 single of 8.25in DC. Found nominal bore protector lodged on bent cutter blades. Removed bore protector and damaged blades and dressed cutter with new blades. Removed centraliser to make new cut at a shallower depth.
2590.0	P21	TP	G17	WB	1.5	RIH with cutter assy #2.
2590.0	P21	TP	G17	WB	7	Cut wellhead casings at 96.8m using 150rpm, 790gpm/1780psi.
2590.0	P21	P	G9		0.5	Lifted cutting assy, 10klbs o/pull and POOH with cutting assy. Successfully retrieved wellhead casings.

DFE above MSL : 39.9m

Lat : 38 Deg 6 Min 161 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56.3m

Long : 148 Deg 15 Min 17.298 Sec

Spud Time : 13.30

Release Time : 09.00

Date : 18 Jun 2008**Daily Cost : AUD\$ 609700****Report Number : 25**

2590.0	P1	P	M2	1.5	Held JSA, removed cantilever wedges and commenced skidding rig in.
2590.0	P1	P	G1	1.5	Installed gumbo hose clamp and disconnected gumbo hose and service hoses. Removed funnel and bullseye from 30in wellhead.
2590.0	P1	P	M2	1	Skidded rig out to allow laying down of 1 DC above recovered wellhead and for crane to reach rig floor.
2590.0	P1	P	G9	0.5	Laid out 1 single of 8.25in DC.
2590.0	P1	P	M2	1.5	Continued to skid in rig. Offline: MOST tool not latched onto wellhead - casings retrieved by jammed cutting blades inside 20in casing. Discussed best method to recover cutting assy from inside casings. Obtained PTW and equipment for welder to cut casings to retrieve tools.

Date : 19 Jun 2008**Daily Cost : AUD\$ 229143****Report Number : 26**

Depth (m)	Phase	Cls	Op	R.C.	Hrs	Activity
2590.0	P1	P	M2		3	Continued to skid cantilever deck in and pinned same. Offline: Cut 30in conductor and then 20in casing in order to remove cutter assy.
2590.0	P1	P	G2		2.5	Laid down retrieved casings. Broke out and laid down cutter assy. Laid out 2 x 8.25in DC's. Secured TDS.
2590.0	P1	P	M3		3	Held pre-jacking meeting and jacked down rig. Connected boats to rig for tow.
2590.0	P1	P	M1		0.5	Commenced tow to Longtom-4. One kilometre from Garfish-1.

***** END OF GARFISH-1 @ 09:00hrs on 19 June 2008 *****

COST SUMMARY (A\$M)		
	AFE	Actual @ FRR
General	\$ 5,551.30	\$ 4,869.90
Rig	\$ 15,327.10	\$ 13,469.60
Drlg Services	\$ 5,297.00	\$ 4,457.50
Drlg Consumables	\$ 2,593.00	\$ 2,459.60
Testing	\$ 744.70	\$ 1,190.40
Contingency	\$ 598.90	\$ 488.00
Total	\$ 30,112.00	\$ 26,935.00

APPENDIX 2: DAILY DRILLING REPORTS



DRILLING MORNING REPORT # 1
Garfish-1

25 May 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data						
Country	Australia	MDBRT	0.0m	Cur. Hole Size	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	0.0m	Last Casing OD	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	Daily Cost	AUD\$6,426,550
Rig	West Triton	Days from spud	0.00	Shoe MDBRT	Cum Cost	AUD\$6,426,550
Wtr Dpth(MSL)	56.3m	Days on well	0.06	FIT/LOT:	/	
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	On Tow to Garfish - 1.	
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Pin rig at Garfish -1, conduct 2 stage 100% preload.	

Summary of Period 0000 to 2400 Hrs
On Tow to Garfish - 1.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		0 Days		Abandon ship drill.	
First Aid		0 Days			
Incident		0 Days			
Near Miss		0 Days			
PTW issued	19	0 Days			
Safety Meeting	2	0 Days			
STOP Card	24	0 Days			
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.		

Operations For Period 0000 Hrs to 2400 Hrs on 25 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M1	2230	2400	1.50	0.0m	***** RIG ON CONTRACT 22:30hrs 25/05/2008 ***** Rig under tow to Garfish -1. ETA location 07.00 hrs.

Operations For Period 0000 Hrs to 0600 Hrs on 26 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M1	0000	0600	6.00	0.0m	(IN PROGRESS) On tow on Garfish -1. Rig on location at 11.30hours. Jacked down legs over last 2 hours of move & soft pinned rig on location. Preliminary position is: 4.35m @ 309.62 degs T from intended position. Latitude 38deg 06.634528' South, Longitude 148 deg15.286020' East. Rig heading 111.37 degrees. Initial leg penetration: Bow 1.05m, Port 1.15m, Stab 1.20m

Phase Data to 2400hrs, 25 May 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	1.5	25 May 2008	25 May 2008	1.50	0.063	0.0m

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	0	0	273.0	
Rig Fuel	m3	0	0	0	165.0	
POTABLE WATER	MT	0	0	0	186.0	
Cement Class G	MT	0	0	0	40.0	
Bentonite	MT	0	0	0	41.0	
Barite	MT	0	0	0	122.0	

Personnel On Board	
Company	Pax



Personnel On Board	
ADA	4
Seadrill	11
Seadrill Services.	46
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	2
Fugro Survey LTD	2
Total	80

Marine

Weather on 25 May 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	10kn	65.0deg	1028.0mbar	13C°	1.0m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2166.00klb	1.5m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			On tow bridle.	Item	Unit	Used	Quantity
				Rig Fuel	m3		530.905
				Potable Water	Mt		350
				Drill Water	Mt		342
				CEMENT G	Mt		84
				Barite	Mt		65.5
				Bentonite	Mt		58
MUD	m3		0				
Clear decks							
Pacific Valkyrie	14.00		On Port quarter.	Item	Unit	Used	Quantity
				Rig Fuel	m3		418.4
				Potable Water	Mt		455
				Drill Water	m3		578
				CEMENT G	Mt		42.5
				Barite	Mt		42.5
Bentonite	Mt		28.8				
Sirus Cove			Starboard quarter.	Item	Unit	Used	Quantity
				FUEL	Ltrs		18500
				Potable Water	Ltrs		16500
Pacific Protector		20.32	On route to Geelong	Item	Unit	Used	Quantity
				FUEL	m3		666.214
				Potable Water	m3		321



DRILLING MORNING REPORT # 2
Garfish-1

26 May 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data						
Country	Australia	MDBRT	0.0m	Cur. Hole Size	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	0.0m	Last Casing OD	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	Daily Cost	AUD\$650,000
Rig	West Triton	Days from spud	0.00	Shoe MDBRT	Cum Cost	AUD\$7,076,550
Wtr Dpth(MSL)	56.3m	Days on well	1.06	FIT/LOT:	/	
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Preloading stage two 100% at 0 meter air gap.	
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Complete 2 stage 100% preloading, jack up to drilling draft. Skid out rig, prepare rig and equipment for spud.	

Summary of Period 0000 to 2400 Hrs
On Tow to Garfish -1, soft pin rig, confirm location and heading. Carry out 100% preload while in water.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		1 Day		Abandon ship drill.	
First Aid		0 Days			
Incident		0 Days			
Near Miss		0 Days			
PTW issued	19	0 Days			
Safety Meeting	2	1 Day			
STOP Card	24	0 Days			
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.		

Operations For Period 0000 Hrs to 2400 Hrs on 26 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M1	0000	1130	11.50	0.0m	On tow on Garfish -1. Rig on location at 11.30hours. Jacked down legs over last 2 hours of move & soft pinned rig on location. Preliminary position is: 4.35m @ 309.62 degs T from intended position. Latitude 38deg 06.634528' South, Longitude 148 deg15.286020' East. Rig heading 111.37 degrees. Initial leg penetration: Bow 1.05m, Port 1.15m, Stab 1.20m
P1	P	M3	1130	1430	3.00	0.0m	Jacked up to 2 meters draft. Changed over from sea chest to deep wells.
P1	P	M3	1430	2230	8.00	0.0m	Conducted 100% prelaod at 2m draft.
P1	P	M3	2230	2400	1.50	0.0m	Held 100% prelaod.

Operations For Period 0000 Hrs to 0600 Hrs on 27 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M3	0000	0030	0.50	0.0m	Dumped 30% of prelaod.
P1	P	M3	0030	0100	0.50	0.0m	Jacked up to 0m air gap.
P1	P	M3	0100	0300	2.00	0.0m	Preload to 100%.
P1	P	M3	0300	0600	3.00	0.0m	(IN PROGRESS) Held 100% prelaod. Final leg penetrations: Bow 1.60m, Starbord 1.70m, Port 1.55m.

Phase Data to 2400hrs, 26 May 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	25.5	25 May 2008	26 May 2008	25.50	1.063	0.0m

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	0	0	273.0	
Rig Fuel	m3	0	13	0	152.0	



Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
POTABLE WATER	MT	0	50	0	136.0
Cement Class G	MT	0	0	0	40.0
Bentonite	MT	0	0	0	41.0
Barite	MT	0	0	0	122.0

Personnel On Board	
Company	Pax
ADA	4
Seadrill	11
Seadrill Services.	48
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	6
Fugro Survey LTD	2
Schlumberger MWD/LWD	3
Cameron	2
Total	91

Marine							
Weather on 26 May 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	10kn	65.0deg	1028.0mbar	13C°	1.0m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather	Comments
111.4deg		2166.00klb	1.5m	190.0deg	8s		Wave and swell heights are estimates.
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			On location	Rig Fuel	m3		499.881
				Potable Water	Mt		327
				Drill Water	Mt		342
				CEMENT G	Mt		84
				Barite	Mt		65.5
				Bentonite	Mt		58
				MUD	m3		73
					m3		153
Clear decks							
Pacific Valkyrie		12.45	On route to Geelong ETA Geelong 11.30 27-05-08	Rig Fuel	m3		418.4
				Potable Water	Mt		455
				Drill Water	m3		578
				CEMENT G	Mt		42.5
				Barite	Mt		42.5
				Bentonite	Mt		28.8
Sirus Cove			Released at 12.30 hours	FUEL	Ltrs		18200
				Potable Water	Ltrs		15500
Pacific Protector		20.32	On route to location ETA 14.00 27-05-08.	FUEL	m3		666.214
				Potable Water	m3		321

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	10.15 / 10.29	16 / 5	Crew change and third party.

DRILLING MORNING REPORT # 3
Garfish-1

27 May 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data						
Country	Australia	MDBRT	0.0m	Cur. Hole Size	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	0.0m	Last Casing OD	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	Daily Cost	AUD\$643,950
Rig	West Triton	Days from spud	0.00	Shoe MDBRT	Cum Cost	AUD\$7,720,500
Wtr Dpth(MSL)	56.3m	Days on well	2.06	FIT/LOT:	/	
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Picking up and making up 36" hole BHA.	
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Pick up BHA. RIH. Spud and drill 36" hole to TD. POOH. Run 30" conductor.	

Summary of Period 0000 to 2400 Hrs
Completed two stage 100% preloading. Jacked up to air gap of 17m. Skidded out cantilever to drilling position. Rigged up service lines and Texas deck. Picked up drill pipe.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		2 Days		Abandon ship drill.	
First Aid		0 Days			
Incident		0 Days			
Near Miss		0 Days			
PTW issued	9	0 Days			
Safety Meeting	2	2 Days			
STOP Card	24	0 Days			
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.		

Operations For Period 0000 Hrs to 2400 Hrs on 27 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M3	0000	0030	0.50	0.0m	Dumped 30% of preload.
P1	P	M3	0030	0100	0.50	0.0m	Jacked up to 0m air gap.
P1	P	M3	0100	0300	2.00	0.0m	Preload to 100%.
P1	P	M3	0300	0900	6.00	0.0m	Held 100% preload. Final leg penetrations: Bow 1.60m, Starbord 1.70m, Port 1.55m.
P1	P	M3	0900	1000	1.00	0.0m	Dumped preload.
P1	P	M3	1000	1130	1.50	0.0m	Jacked hull down to 0m airgap, held for 10 minutes. Jacked up to operational air gap of 17m.
P1	P	M2	1130	1700	5.50	0.0m	Released Battler from tow bridle at 11.30hrs. Prepare to skid out rig package to drilling position. Skidded out rig package. While skidding out installed jumbo shute and lower Texas deck.
P1	P	M2	1700	2230	5.50	0.0m	Secured cantilever and installed rig securing wedges. Rigged up service lines. Rigged up stairways to cantilever deck.
P2	P	G2	2230	2400	1.50	0.0m	Picked up 3 stands drill pipe.

Operations For Period 0000 Hrs to 0600 Hrs on 28 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P2	P	G2	0000	0400	4.00	0.0m	Picked up total of 4 stands of 5.5in drill pipe. Picked up 1 stand of 8in drill collars. Picked up, made up and racked back in derrick cementing stand and 30in casing running tool.
P2	P	G2	0400	0600	2.00	0.0m	(IN PROGRESS) Picked up and made up 36in BHA and racked back in derrick.

Phase Data to 2400hrs, 27 May 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	1.5	27 May 2008	27 May 2008	49.50	2.063	0.0m	



General Comments	
00:00 TO 24:00 Hrs ON 27 May 2008	
Operational Comments	While preloading: Pressure tested upper and lower IBOP'S on top drive to 200/5000 psi, 5/10 mins, good tests. Slipped and cut drilling line. Servicing CTU unit.

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	123	0	150.0	
Rig Fuel	m3	0	5	13	160.0	
POTABLE WATER	MT	0	26	50	160.0	
Cement Class G	MT	0	0	0	40.0	
Bentonite	MT	0	0	0	41.0	
Barite	MT	46	0	0	168.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50		97					30		176	40		234	50		293
2	National 14 P-220	6.50		97					30		176	40		234	50		293
3	National 14 P-220	6.50		97					20		117	30		176	40		234

Personnel On Board	
Company	Pax
ADA	4
Seadrill	11
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	7
Fugro Survey LTD	2
Schlumberger MWD/LWD	3
Cameron	2
Total	85

Marine							
Weather on 27 May 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	3kn	90.0deg	1029.0mbar	12C°	0.5m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2194.00klb	1.0m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			On location	Item	Unit	Used	Quantity
				Rig Fuel	m3		495.04
				Potable Water	Mt		319
				Drill Water	Mt		342
				CEMENT G	Mt		84
				Barite	Mt		26
				Bentonite	Mt		58
				MUD	m3		0
					m3		0
Pacific Valkyrie		12.45	On route to location at 20.00hrs	Item	Unit	Used	Quantity
				Rig Fuel	m3		463.9



				Item	Unit	Used	Quantity
				Potable Water	Mt		458
				Drill Water	m3		617
				CEMENT G	Mt		42.5
				Barite	Mt		42.5
				Bentonite	Mt		42.5

Sirus Cove			Released at 12.30 hours	Item	Unit	Used	Quantity
				FUEL	Ltrs		18200
				Potable Water	Ltrs		15500

Pacific Protector	11.30		On location, offloading cargo.	Item	Unit	Used	Quantity
				FUEL	m3		634.177
				Potable Water	m3		375

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1145 / 1200	6 / 12	Crew Change

Draft Only

DRILLING MORNING REPORT # 4
Garfish-1

28 May 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data							
Country	Australia	MDBRT	132.0m	Cur. Hole Size	36.000in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	132.0m	Last Casing OD		AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	35.8m	Shoe TVDBRT		Daily Cost	AUD\$884,100
Rig	West Triton	Days from spud	0.44	Shoe MDBRT		Cum Cost	AUD\$8,604,600
Wtr Dpth(MSL)	56.3m	Days on well	3.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	WOC.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Back out running tool from 30in conductor. Lower Texas deck. Layout 36in BHA. Pick up and make up clean out assembly. Drill out shoe track. POOH. Change bit and drill ahead 17.5in hole.		

Summary of Period 0000 to 2400 Hrs
Picked up and racked back 4 stands of drill pipe, 1 stand of 8.25in DC, cement stand and well head running tool. RIH and tag seabed at 96.25m MSL. Spud well at 13.30hrs. Drilled to 132m. POOH. Rigged up and ran 30in conductor to 33m. Made up running tool and continue to RIH.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		3 Days		Abandon ship drill.
First Aid		0 Days		
Incident		0 Days		
Near Miss		0 Days		
PTW issued	13	0 Days		
Safety Meeting	2	3 Days		
STOP Card	29	0 Days		
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	

Operations For Period 0000 Hrs to 2400 Hrs on 28 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P2	P	G2	0000	0400	4.00	0.0m	Picked up total of 4 stands of 5.5in drill pipe. Picked up 1 stand of 8in drill collars. Picked up, made up and racked back in derrick cementing stand and 30in casing running tool.
P2	P	G2	0400	0700	3.00	0.0m	Picked up and made up 36in BHA and racked back in derrick.
P2	P	G1	0700	1100	4.00	0.0m	Held JSA, rigged up and removed stairway from Texas deck, raised Texas deck and secured same.
P2	P	G1	1100	1130	0.50	0.0m	Rigged down slings and installed elevators.
P2	P	G8	1130	1330	2.00	96.3m	Made up 36in BHA. Observed tagging of seabed with ROV. RT/Seabed = 96.25m, RT/MSL = 39.85, Water Depth = 56.30 (MSL)
P2	P	D2	1330	1500	1.50	132.0m	Spudded Garfish-1 at 13.30 hrs. Drilled ahead from 96.25m - 132m.
P2	P	F4	1500	1600	1.00	132.0m	Swept hole with 200 bbls Hi-vis. Displaced hole to inhibited mud.
P2	P	G8	1600	1730	1.50	132.0m	POOH and racked back BHA.
P3	P	G1	1730	1830	1.00	132.0m	Held JSA and rigged up 30in casing equipment.
P3	P	G9	1830	2100	2.50	132.0m	Run 30in conductor to 33m. Checked float shoe.
P3	P	G1	2100	2200	1.00	132.0m	Rigged down 30in casing equipment. Changed to drilling bails and 5.5in elevators.
P3	P	G9	2200	2400	2.00	132.0m	Picked up and made up 30in casing running tool to casing. Installed bulleyes and cementing funnel.

Operations For Period 0000 Hrs to 0600 Hrs on 29 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P3	P	G9	0000	0130	1.50	132.0m	Lowered 30in conductor to sea level, filled casing with sea water and closed valve on running tool. RIH to 94m. Jumped ROV. Attempted to observe stab into well with ROV. Currents too strong. Retrieved ROV. Stabbed into well and continued to RIH with conductor to 127.76m
P3	P	F3	0130	0230	1.00	132.0m	Rigged up cement lines, pumped 10 bbl/s sea water and tested lines to 1000 psi. Held pressure for 5 mins. Mixed and pumped 150 bbls "G" cement slurry at 15.80 ppg and

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P3	P	F7	0230	0600	3.50	132.0m	displaced with 24 bbls sea water. Differential pressure at end of displacement = 55 psi. Checked flow back: 1 bbl returned. Shoe set at 127.76m. Top 30in conductor at 93.90m. (IN PROGRESS) Waited on cement. Jumped ROV and noted bulleeyes reading: 3/4 degress forward/port.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 28 May 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	6.5	28 May 2008	28 May 2008	73.50	3.063	132.0m

General Comments

00:00 TO 24:00 Hrs ON 28 May 2008	
Operational Comments	<p>West Triton Rig Equipment Concerns</p> <ol style="list-style-type: none"> 1) Stb crane inoperable due to problem with slewing motor. 2) Port operates very slowly once hydraulic gets hot. This has a serious impact on operational efficiency. 3) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 4) There is only one TIW valve onboard. Contract states there should be two. 5) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 6) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 7) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level.
Operational Comments	<p>Final Rig Position Fix</p> <p>38°06'38.0838"S; 148°15'17.1466"E.</p> <p>Easting 610001.323 In Northing 5781172.451 m</p> <p>Final Rig Heading 111.02 °T</p>

WBM Data		Cost Today AUD\$ 4430			
Mud Type: Prehydrated Bentonite	API FL:	Cl:	Solids(%vol):	Viscosity	200sec/qt
Sample-From: Pit 8	Filter-Cake:	K+C*1000:	H2O:	PV	20cp
Time: 1600	HTHP-FL:	Hard/Ca:	Oil(%):	YP	70lb/100ft²
Weight: 8.50sg	HTHP-cake:	MBT:	Sand:	Gels 10s	55
Temp:		PM:	pH:	Gels 10m	60
Comment		PF:	PHPA:	Fann 003	52
				Fann 006	55
				Fann 100	75
				Fann 200	85
				Fann 300	90
				Fann 600	110

Bit # 1	Wear	I	O1	D	L	B	G	O2	R
		1	1	WT	A	2	I	RR	TD
Bitwear Comments:									
Size ("):	26.00in	IADC#	111	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run	
Mfr:	REED	WOB(avg)	5.00klb	No.	Size	Progress	35.8m	Cum. Progress	35.8m
Type:	Rock	RPM(avg)	50	1	16/32nd"	On Bottom Hrs	1.5h	Cum. On Btm Hrs	1.5h
Serial No.:	34406	F.Rate	850gpm	3	22/32nd"	IADC Drill Hrs	1.5h	Cum IADC Drill Hrs	1.5h
Bit Model	YC11	SPP	750psi			Total Revs		Cum Total Revs	0
Depth In	96.3m	HSI				ROP(avg)	23.87 m/hr	ROP(avg)	23.87 m/hr
Depth Out	132.0m	TFA	1.310						
Bit Comment	Rerun from 3D Oil								



BHA # 1							
Weight(Wet)	33.00klb	Length	61.3m	Torque(max)	4500ft-lbs	D.C. (1) Ann Velocity	34fpm
Wt Below Jar(Wet)		String	105.00klb	Torque(Off.Btm)	3000ft-lbs	D.C. (2) Ann Velocity	36fpm
		Pick-Up	105.00klb	Torque(On.Btm)	4000ft-lbs	H.W.D.P. Ann Velocity	0fpm
		Slack-Off	105.00klb			D.P. Ann Velocity	32fpm

BHA Run Description

BHA Run Comment Spud Garfish -1

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.61m			34406	
Hole Opener	2.76m	36.00in	3.00in		
Bit Sub	1.23m	9.50in	3.25in	7207	
Drill Collar	18.62m	9.50in	3.00in		
X/O	0.47m	9.50in	2.88in	11558	
Drill Collar	28.31m	8.38in	2.88in		
X/O	0.50m	8.25in	2.88in	XT57B	

Survey

MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
86.66	0.0	347.8	86.66	0.0	0.0	0.0	0.0	
122.43	0.1	197.8	122.43	0.0	0.0	0.0	0.3	

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	266	104	0	312.0
Rig Fuel	m3	100	6	0	254.0
POTABLE WATER	MT	90	30	0	220.0
Cement Class G	MT	80	0	0	120.0
Bentonite	MT	23	28	0	36.0
Barite	MT	20	0	0	188.0

Pumps

Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.01	97	90	1000	500		30		176	40		234	50		293
2	National 14 P-220	6.50	1.01	97	90	1000	500		30		176	40		234	50		293
3	National 14 P-220	6.50		97					20		117	30		176	40		234

Personnel On Board

Company	Pax
ADA	4
Seadrill	11
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	7
Fugro Survey LTD	2
Schlumberger MWD/LWD	3
Cameron	2
Total	85

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer :			
Available	2083.0bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active Mixing		Downhole Surf+ Equip	0.0bbl				
Hole Slug Reserve	1198.0bbl	Dumped De-Casser De-Sander					
Kill Brine	885.0bbl	De-Silter Centrifuge					

Marine

Weather on 28 May 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	10kn	270.0deg	1029.0mbar	10C°	0.5m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2706.00klb	1.0m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler		16.15	On route to Geelong.	Item	Unit	Used	Quantity
				Rig Fuel	m3		383.457
				Potable Water	Mt		214
				Drill Water	Mt		76
				CEMENT G	Mt		0
				Barite	Mt		0
				Bentonite	Mt		24
				MUD	m3		0
				m3			0
Pacific Valkyrie	17.00		On location.	Item	Unit	Used	Quantity
				Rig Fuel	m3		433.7
				Potable Water	Mt		453
				Drill Water	m3		617
				CEMENT G	Mt		42.5
				Barite	Mt		42.5
				Bentonite	Mt		42.5

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1039 / 1052	12 / 12	Crew change



DRILLING MORNING REPORT # 5
Garfish-1

29 May 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data							
Country	Australia	MDBRT	132.0m	Cur. Hole Size	36.000in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	132.0m	Last Casing OD		AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	127.8m	Daily Cost	AUD\$627,600
Rig	West Triton	Days from spud	1.44	Shoe MDBRT	127.8m	Cum Cost	AUD\$9,232,200
Wtr Dpth(MSL)	56.3m	Days on well	4.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Making up 17.5in BHA.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	RIH with 17.5in BHA. Drill to casing TD.		

Summary of Period 0000 to 2400 Hrs
Ran and cemented 30in conductor at 127.76m. WOC. Released running tool. POOH and laid out running tool. Lowered Texas deck. Made up slick BHA and RIH. Tagged TOC at 125m. Drilled cement, shoe track and cleaned rathole to 132m. Circulated hole clean. POOH. Picked up 5.5in heavy weight drill pipe.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		4 Days		Abandon ship drill.	
First Aid		0 Days			
Incident		0 Days			
Near Miss		0 Days			
PTW issued	16	0 Days			
Safety Meeting	2	4 Days			
STOP Card	34	0 Days			
ToolBox Talk	5	0 Days		Held Tool Box talk with crews for related tasks.	

Operations For Period 0000 Hrs to 2400 Hrs on 29 May 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P3	P	G9	0000	0130	1.50	132.0m	Lowered 30in conductor to sea level, filled casing with sea water and closed valve on running tool. RIH to 94m. Jumped ROV. Attempted to observe stab into well with ROV. Currents too strong. Retrieved ROV. Stabbed into well and continued to RIH with conductor to 127.76m
P3	P	F3	0130	0230	1.00	132.0m	Rigged up cement lines, pumped 10 bbl/s sea water and tested lines to 1000 psi. Held pressure for 5 mins. Mixed and pumped 150 bbls "G" cement slurry at 15.80 ppg and displaced with 24 bbls sea water. Differential pressure at end of displacement = 55 psi. Checked flow back: 1 bbl returned. Shoe set at 127.76m. Top 30in conductor at 93.90m.
P3	P	F7	0230	0630	4.00	132.0m	Waited on cement. Jumped ROV and noted bulleyes reading: 3/4 degress forward/port.
P3	TP (WO)	F7	0630	1000	3.50	132.0m	Continued waiting on cement. Classed as NPT as the WOC period should have been 4hrs.
P3	P	G8	1000	1200	2.00	132.0m	Released running tool from 30in conductor. POOH and laid out running tool. Picked up and racked back 18.75in CART tool.
P3	P	G1	1200	1430	2.50	132.0m	Held JSA, rigged up slings, lowered Texas deck and installed stairway.
P3	P	G8	1430	1800	3.50	132.0m	Laid out 36in BHA, picked up 22in bit and RIH with slick BHA. Tagged TOC at 125m.
P3	P	D1	1800	1900	1.00	132.0m	Drilled cement, shoe track and cleaned rathole from 125m - 132m.
P3	P	F4	1900	1930	0.50	132.0m	Pumped 75 bbls hi/vis and circulated bottoms up.
P3	P	G8	1930	2130	2.00	132.0m	POOH to 57m.
P3	TP (RE)	G11	2130	2200	0.50	132.0m	Auto elevators not operating correctly. Removed auto elevators and installed manual elevators.
P3	P	G8	2200	2300	1.00	132.0m	POOH and laid out bit.
P3	P	G2	2300	2400	1.00	132.0m	Picked up heavy weight drill pipe and racked back in derrick.

Operations For Period 0000 Hrs to 0600 Hrs on 30 May 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P3	P	G2	0000	0600	6.00	132.0m	Picked up and racked back 5.5in drill pipe. 20 stands total.

Operations For Period Hrs to Hrs on



Phase Data to 2400hrs, 29 May 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	30.5	28 May 2008	29 May 2008	97.50	4.063	132.0m

General Comments

00:00 TO 24:00 Hrs ON 29 May 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Stb crane inoperable due to problem with slewing motor. 2) Port operates very slowly once hydraulic gets hot. This has a serious impact on operational efficiency. 3) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 4) There is only one TIW valve onboard. Contract states there should be two. 5) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 6) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 7) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. 8) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.

WBM Data		Cost Today	
Mud Type: Prehydrated Bentonite	API FL:	Cl: 800mg/l	Solids(%vol):
Sample-From: Pit 8	Filter-Cake:	K+C*1000:	H2O:
Time: 20:00	HTHP-FL:	Hard/Ca:	Oil(%):
Weight: 8.50sg	HTHP-cake:	MBT:	Sand:
Temp:		PM: 9	pH:
		PF:	PHPA:
Comment	Drill out cement and shoe track with seawater. Pump 75bbl high vis PHB sweep prior to POOH.		
			Viscosity 200sec/qt
			PV 20cp
			YP 70lb/100ft²
			Gels 10s 55
			Gels 10m 60
			Fann 003 52
			Fann 006 55
			Fann 100 75
			Fann 200 85
			Fann 300 90
			Fann 600 110

Bit # 2	Wear	I	O1	D	L	B	G	O2	R
		0	0	NO	A	0	I	NO	BHA
Bitwear Comments:									
Size ("):	23.00in	IADC#	115	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run	
Mfr:	Smith Bits	WOB(avg)	10.00klb	No.	Size	Progress		Cum. Progress	
Type:	Rock	RPM(avg)	70	1	16/32nd"	On Bottom Hrs	1.0h	Cum. On Btm Hrs	1.0h
Serial No.:	MZ3173	F.Rate	800gpm	3	22/32nd"	IADC Drill Hrs	1.0h	Cum IADC Drill Hrs	1.0h
Bit Model	XR+ C	SPP	1000psi			Total Revs		Cum Total Revs	0
Depth In	132.0m	HSI				ROP(avg)	N/A	ROP(avg)	0.00 m/hr
Depth Out	132.0m	TFA	1.310						

Bit Comment

BHA # 2							
Weight(Wet)	33.00klb	Length	86.8m	Torque(max)	4500ft-lbs	D.C. (1) Ann Velocity	43fpm
Wt Below Jar(Wet)		String	105.00klb	Torque(Off.Btm)	3000ft-lbs	D.C. (2) Ann Velocity	45fpm
		Pick-Up	105.00klb	Torque(On.Btm)	4000ft-lbs	H.W.D.P. Ann Velocity	0fpm
		Slack-Off	105.00klb			D.P. Ann Velocity	39fpm

BHA Run Description

BHA Run Comment Drill out 24" shoe track, drill out cement and float shoe.

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.56m	22.00in		MZ3173	
Bit Sub	1.23m	9.50in	3.25in	7207	
Power Pulse	8.84m	9.63in	3.00in		
Drill Collar	18.62m	9.50in	3.00in		



Equipment	Length	OD	ID	Serial #	Comment
X/O	0.47m	9.50in	2.88in	11558	
Drill Collar	28.31m	8.38in	2.88in		
X/O	0.50m	8.25in	2.88in	XT57B	
HWDP	28.22m	5.50in	3.25in		

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	180	0	0	492.0
Rig Fuel	m3	0	10	0	244.0
POTABLE WATER	MT	0	31	0	189.0
Cement Class G	MT	0	32	0	88.0
Bentonite	MT	0	0	0	36.0
Barite	MT	0	0	-2	186.0

Pumps

Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.01	97	90	1000	750		30		176	40		234	50		293
2	National 14 P-220	6.50	1.01	97	90	1000	750		30		176	40		234	50		293
3	National 14 P-220	6.50		97					20		117	30		176	40		234

Personnel On Board

Company	Pax
ADA	5
Seadrill	16
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	7
Dril-Quip	1
Schlumberger MWD/LWD	3
Cameron	2
Total	90

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Eugene Edwards/Tim Waldhuter

Available	Losses	Equipment	Description	Mesh Size	Comments
2399.0bbl	53.6bbl				
Active Mixing	Downhole Surf+ Equip				
	0.0bbl				
Hole	Dumped				
177.0bbl	53.6bbl				
Slug Reserve	De-Gasser				
1337.0bbl	De-Sander				
Kill Brine	De-Silting Centrifuge				
885.0bbl					

Marine

Weather on 29 May 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	290.0deg	1028.0mbar	13C°	0.5m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2706.00klb	0.5m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							



Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At Geelong.	Item	Unit	Used	Quantity
				Rig Fuel	m3		622.038
				Potable Water	Mt		457
				Drill Water	Mt		381
				CEMENT G	Mt		42
				Barite	Mt		67
				Bentonite	Mt		24
				MUD	m3		0
	m3		0				
Pacific Valkyrie	17.00		On location.	Item	Unit	Used	Quantity
				Rig Fuel	m3		423.7
				Potable Water	Mt		448
				Drill Water	m3		437
				CEMENT G	Mt		42.5
				Barite	Mt		42.5
				Bentonite	Mt		28.8

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1340 / 1352	7 / 2	Crew change

Draft Only



DRILLING MORNING REPORT # 6
Garfish-1

30 May 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data							
Country	Australia	MDBRT	650.0m	Cur. Hole Size	17.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	650.0m	Last Casing OD		AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	518.0m	Shoe TVDBRT	127.8m	Daily Cost	AUD\$663,660
Rig	West Triton	Days from spud	2.44	Shoe MDBRT	127.8m	Cum Cost	AUD\$9,895,860
Wtr Dpth(MSL)	56.3m	Days on well	5.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	POOH to 30in conductor shoe.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Carry out wiper trip. Displace hole to Bentonite mud. POOH. Commence running casing.		

Summary of Period 0000 to 2400 Hrs
Picked up 20 stands 5.5in drill pipe. Made up BHA. RIH. Drilled 17.5in hole from 132m - 650m.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		5 Days	Held for rig move.	Abandon ship drill. Good response by all personnel.	
PTW issued	14	0 Days		Permit to work issued for the day.	
Safety Meeting		6 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	14	0 Days		Stop cards submitted for the day.	
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 30 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P3	P	G2	0000	0600	6.00	132.0m	Picked up and racked back 5.5in drill pipe. 20 stands total.
P4	P	G6	0600	0900	3.00	132.0m	Picked up and made up 17.5in BHA, RIH, washed 5m to bottom.
P4	P	D2	0900	2400	15.00	650.0m	Drilled 17.5in hole from 132m - 650m. Took surveys every 90m. Pumped 50 bbls hi/vis every stand.

Operations For Period 0000 Hrs to 0600 Hrs on 31 May 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P4	P	D2	0000	0430	4.50	755.0m	Drilled 17.5in hole from 650m - 755m.
P4	P	F4	0430	0530	1.00	755.0m	Pumped 150 bbls Hi/vis and circulated hole volume and spot 500 bbls bentonite on bottom.
P4	P	G8	0530	0600	0.50	755.0m	(IN PROGRESS) POOH to 132m. Hole good.

Phase Data to 2400hrs, 30 May 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	18	30 May 2008	30 May 2008	121.50	5.063	650.0m	

General Comments	
00:00 TO 24:00 Hrs ON 30 May 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Stb crane inoperable due to problem with slewing motor. 2) Port crane operates very slowly once hydraulic gets hot. This has a serious impact on operational efficiency - Repairs have now been effected to this crane and it appears to be working satisfactorily. 3) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 4) There is only one TIW valve onboard. Contract states there should be two. 5) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more



General Comments	
	exposed. 6) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 7) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. 8) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. 9) Had the link tilt been operating correctly the time taken for picking up of drill pipe would have been reduced by up to 2 hours.
Operational Comments	8 1/2" Jars = 15 hours.

WBM Data		Cost Today AUD\$ 6050					
Mud Type:	Prehydrated Bentonite	API FL:	Cl: 800mg/l	Solids(%vol):	Viscosity	183sec/qt	
Sample-From:	Pit 8	Filter-Cake:	K+C*1000:	H2O:	PV	19cp	
Time:	23:59	HTHP-FL:	Hard/Ca:	Oil(%):	YP	70lb/100ft²	
Weight:	8.50sg	HTHP-cake:	MBT: 38	Sand:	Gels 10s	50	
Temp:			PM:	pH: 9	Gels 10m	60	
			PF:	PHPA:	Fann 003	47	
					Fann 006	50	
					Fann 100	72	
					Fann 200	83	
					Fann 300	89	
					Fann 600	108	
Comment	Continue to pre-hydrate PHB. Cut back with 30-40% seawater, added 0.15ppb Lime prior to pumping sweeps as required for hole cleaning. Returns to seabed.						

Bit # 3		Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:										
Size ("):	17.50in	IADC#	115	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:	Smith Bits	WOB(avg)	15.00klb	No.	Size	Progress	518.0m	Cum. Progress	518.0m	
Type:	Rock	RPM(avg)	150	1	18/32nd"	On Bottom Hrs	9.5h	Cum. On Btm Hrs	9.5h	
Serial No.:	MZ1061	F.Rate	1000gpm	3	22/32nd"	IADC Drill Hrs	15.0h	Cum IADC Drill Hrs	15.0h	
Bit Model	XR+C	SPP	1850psi			Total Revs	87255	Cum Total Revs	87255	
Depth In	132.0m	HSI				ROP(avg)	54.53 m/hr	ROP(avg)	54.53 m/hr	
Depth Out		TFA	1.362							
Bit Comment										

BHA # 3		Length	Torque(max)	D.C. (1) Ann Velocity
Weight(Wet)	42.00klb	203.7m	9500ft-lbs	103fpm
Wt Below Jar(Wet)	34.00klb	String	3000ft-lbs	D.C. (2) Ann Velocity
		Pick-Up	5500ft-lbs	H.W.D.P. Ann Velocity
		Slack-Off		D.P. Ann Velocity
		205.00klb		89fpm

BHA Run Description

BHA Run Comment Drill 17 1/2" hole from 132m - 755m.

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.56m	17.50in		MZ1061	
Bit Sub	1.23m	9.50in	3.25in	7207	
Power Pulse	8.84m	9.63in	3.00in		
Drill Collar	9.44m	9.50in	3.00in	16392	
Stabiliser	2.16m	9.50in	3.00in	207A37	
Drill Collar	9.18m	9.63in	3.00in	3T9	
Stabiliser	1.70m	9.50in	3.00in	207A210	
X/O	0.47m	9.50in	2.88in	11558	
Drill Collar	28.31m	8.38in	2.88in		
Jars	9.45m	8.00in	3.00in	15881191	
Drill Collar	18.90m	8.38in	2.88in		
X/O	0.50m	8.25in	2.88in	XT57B	
HWDP	112.86m	5.50in	3.25in		See Tally.

Survey								
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N/-S (m)	E/-W (m)	DLS (deg/30m)	Tool Type
167.41	0.6	261.6	167.41	-0.1	-0.1	-0.3	1.3	
225.52	0.4	223.3	225.52	-0.3	-0.3	-0.7	0.7	
343.05	0.2	75.5	343.05	-0.5	-0.5	-0.8	0.5	
431.83	0.1	31.6	431.83	-0.4	-0.4	-0.6	0.2	
520.09	0.3	307.0	520.09	-0.2	-0.2	-0.7	0.3	
608.29	0.6	280.3	608.28	0.0	0.0	-1.4	0.4	

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	54	0	438.0
Rig Fuel	m3	0	12	0	232.0
POTABLE WATER	MT	0	30	0	159.0
Cement Class G	MT	44	0	0	132.0
Bentonite	MT	0	14	0	22.0
Barite	MT	0	0	0	186.0

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.01	97	95	1950	550		30		176	40		234	50		293
2	National 14 P-220	6.50	1.01	97	95	1950	550		30		176	40		234	50		293
3	National 14 P-220	6.50		97					20		117	30		176	40		234

Personnel On Board	
Company	Pax
ADA	5
Seadrill	15
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	7
Dril-Quip	1
Schlumberger MWD/LWD	3
Cameron	2
Weatherford	6
Total	95

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Eugene Edwards/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
3173.2bbl	0.0bbl						
Active	264.0bbl		Downhole				
Mixing			Surf+ Equip	0.0bbl			
Hole	694.2bbl		Dumped				
Slug Reserve	1330.0bbl		De-Gasser De-Sander				
Kill Brine	885.0bbl		De-Silter Centrifuge				

Marine

Weather on 30 May 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	8kn	270.0deg	1026.0mbar	14C°	0.5m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2802.00klb	0.5m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At Geelong.	Item	Unit	Used	Quantity
				Rig Fuel	m3		622.038
				Potable Water	Mt		457
				Drill Water	Mt		381
				CEMENT G	Mt		42
				Barite	Mt		67
				Bentonite	Mt		24
				MUD	m3		0
	m3		0				
Pacific Valkyrie	17.00		On location.	Item	Unit	Used	Quantity
				Rig Fuel	m3		418.2
				Potable Water	Mt		443
				Drill Water	m3		437
				CEMENT G	Mt		0
				Barite	Mt		42.5
				Bentonite	Mt		28.8

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1340 / 1352	7 / 2	Crew change

Draft

31 May 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data							
Country	Australia	MDBRT	755.0m	Cur. Hole Size	17.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	755.0m	Last Casing OD		AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	105.0m	Shoe TVDBRT	127.8m	Daily Cost	AUD\$684,617
Rig	West Triton	Days from spud	3.44	Shoe MDBRT	127.8m	Cum Cost	AUD\$10,580,477
Wtr Dpth(MSL)	56.3m	Days on well	6.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Trouble shooting problems with fully engaging well head running tool into well head.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Run and cement 13.375in casing. Release running tool and POOH with inner string. Prepare to run high pressure riser.		

Summary of Period 0000 to 2400 Hrs

Drilled to section TD at 755m. Circulated hole volume, spotted 500 bbls hi/vis at 755m. POOH to shoe. Waited on HPWH to arrive from town. RIH. Pumped hi/vis and displaced hole to inhibited mud 755m. POOH. Picked up well head.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		6 Days	Held for rig move.	Abandon ship drill. Good response by all personnel.
First Aid Case	1	0 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.
PTW issued	9	0 Days		Permit to work issued for the day.
Safety Meeting	2	0 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.
STOP Card	14	0 Days		Stop cards submitted for the day.
ToolBox Talk	6	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.

Operations For Period 0000 Hrs to 2400 Hrs on 31 May 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P4	P	D2	0000	0430	4.50	755.0m	Drilled 17.5in hole from 650m - 755m.
P4	P	F4	0430	0530	1.00	755.0m	Pumped 150 bbls Hi/vis and circulated hole volume and spot 500 bbls bentonite on bottom.
P4	P	G8	0530	0700	1.50	755.0m	POOH to 132m. Hole good.
P5	P	G11	0700	0800	1.00	755.0m	Serviced Top Drive and worked on auto elevators.
P5	P	G2	0800	0900	1.00	755.0m	Made up and racked back 2 stands of 5.5in drill pipe and 2 stands 6in drill collars.
P5	TP (WO)	G13	0900	1500	6.00	755.0m	Waited on HPWH to arrive to rig. Carried out the following tasks whilst waiting on same: - Lowered CTU down to Texas deck - Removed test joint from BOP'S
P4	TP (WO)	G8	1500	1700	2.00	755.0m	RIH to 721m held up with 20k down.
P4	TP (WO)	D6	1700	1730	0.50	755.0m	Washed and lightly reamed from 721m - 755m.
P4	TP (WO)	F4	1730	1800	0.50	755.0m	Pumped 150 bbls Hi/vis and and displaced hole to inhibited mud.
P4	TP (WO)	G8	1800	2100	3.00	755.0m	POOH to BHA.
P4	P	G6	2100	2300	2.00	755.0m	Laid out bit, bit sub and MWD. Racked back BHA.
P5	P	F7	2300	2400	1.00	755.0m	Rigged up and picked up well head and set in rotary table.

Operations For Period 0000 Hrs to 0600 Hrs on 01 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	P	G12	0000	0030	0.50	755.0m	Installed wear bushing into well head.
P5	TP (TP)	G12	0030	0330	3.00	755.0m	Picked up well head running tool from derrick, attempted to make up running tool. Running tool only rotated 2 1/2 turns. Backed out running tool, inspected running tool. Checked that wear bushing correctly seated into well head. Attempted to make up



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	TP (TP)	G12	0330	0400	0.50	755.0m	running tool 2 1/2 turns, made up top drive rotated 2 more turns then torque increased to 12,000 ft/lbs. Backed out running tool. Picked up and attempted to make up spare running tool to well head, only rotated 2 1/2 turns. Laid out running tool, installed and made up running tool to back up well head laying on catwalk. Running tool rotated 8 1/2 turns, checked running position - OK.
P5	TP (TP)	G12	0400	0600	2.00	755.0m	Laid out well head from rotary table to deck. Picked up back up well head with back up running tool installed. Laid out running tool from well head. Picked-up well head running tool from derrick and attempted to make same to well head. Rotated 2 1/2 turns and then stopped. Backed out running tool. Maded up top drive and rotated running tool 3 1/2 turns and torque increased to 5000 ft/lbs. Backed out running tool.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 31 May 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	9	31 May 2008	31 May 2008	145.50	6.063	755.0m

General Comments

00:00 TO 24:00 Hrs ON 31 May 2008	
Operational Comments	<p>West Triton Rig Equipment Concerns</p> <ol style="list-style-type: none"> 1) Stb crane inoperable due to problem with slewing motor. 2) Port operates very slowly once hydraulic gets hot. This has a serious impact on operational efficiency - Repairs have now been effected to this crane and it appears to be working satisfactorily. 3) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 4) There is only one TIW valve onboard. Contract states there should be two. 5) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 6) Cyber system unreliable. System suffers from intermittant crashes which can require remote intervention form NOV in Norway. This has serious safety & financial consequences. 7) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. 8) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.
Operational Comments	8 1/2" Jars = 15 hours.

WBM Data		Cost Today AUD\$ 20																							
Mud Type: Prehydrated Bentonite	API FL: Filter-Cake:	Cl: 800mg/l	Solids(%vol):																						
Sample-From: Pit 8	HTHP-FL:	K+C*1000:	H2O:																						
Time: 20:00	HTHP-cake:	Hard/Ca:	Oil(%):																						
Weight: 8.50sg		MBT: 38	Sand:																						
Temp:		PM:	pH: 9																						
		PF:	PHPA:																						
Comment	Continue to pump 50bbl PHB high vis sweeps each stand. Pump 150bbl high vis PHB sweep at TD, circ hole clean and displace well to PHB mud. When back on bottom from wiper trip a 150bbl high vis PHB sweep was pumped and the hole was displaced to PHB/KCl mud to aid hole inhibition while tripping and running casing.		<table border="1"> <tr> <td>Viscosity</td> <td>183sec/qt</td> </tr> <tr> <td>PV</td> <td>20cp</td> </tr> <tr> <td>YP</td> <td>68lb/100ft²</td> </tr> <tr> <td>Gels 10s</td> <td>50</td> </tr> <tr> <td>Gels 10m</td> <td>60</td> </tr> <tr> <td>Fann 003</td> <td>48</td> </tr> <tr> <td>Fann 006</td> <td>51</td> </tr> <tr> <td>Fann 100</td> <td>70</td> </tr> <tr> <td>Fann 200</td> <td>75</td> </tr> <tr> <td>Fann 300</td> <td>88</td> </tr> <tr> <td>Fann 600</td> <td>108</td> </tr> </table>	Viscosity	183sec/qt	PV	20cp	YP	68lb/100ft²	Gels 10s	50	Gels 10m	60	Fann 003	48	Fann 006	51	Fann 100	70	Fann 200	75	Fann 300	88	Fann 600	108
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Fann 003	48																								
Fann 006	51																								
Fann 100	70																								
Fann 200	75																								
Fann 300	88																								
Fann 600	108																								

Bit # 3	Wear	I	O1	D	L	B	G	O2	R
		2	2	WT	A	3	I	NO	TD
	Bitwear Comments:								
Size ("):	17.50in	IADC#	115	Nozzles	Drilled over last 24 hrs	Calculated over Bit Run			



Mfr:	Smith Bits	WOB(avg)	15.00klb	No.	Size	Progress	105.0m	Cum. Progress	623.0m
Type:	Rock	RPM(avg)	150	1	18/32nd"	On Bottom Hrs	3.5h	Cum. On Btm Hrs	13.0h
Serial No.:	MZ1061	F.Rate	1000gpm	3	22/32nd"	IADC Drill Hrs	4.5h	Cum IADC Drill Hrs	19.5h
Bit Model	XR+C	SPP	1850psi			Total Revs	110407	Cum Total Revs	197662
Depth In	132.0m	HSI				ROP(avg)	30.00 m/hr	ROP(avg)	47.92 m/hr
Depth Out	755.0m	TFA	1.362						

Bit Comment

BHA # 3									
Weight(Wet)	42.00klb	Length	203.7m	Torque(max)	9000ft-lbs	D.C. (1) Ann Velocity	103fpm		
Wt Below Jar(Wet)	34.00klb	String	205.00klb	Torque(Off.Btm)	3000ft-lbs	D.C. (2) Ann Velocity	113fpm		
		Pick-Up	210.00klb	Torque(On.Btm)	4500ft-lbs	H.W.D.P. Ann Velocity	89fpm		
		Slack-Off	205.00klb			D.P. Ann Velocity	89fpm		

BHA Run Description

BHA Run Comment Drill 17 1/2" hole from 132m - 755m.

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.56m	17.50in		MZ1061	
Bit Sub	1.23m	9.50in	3.25in	7207	
Power Pulse	8.84m	9.63in	3.00in		
Drill Collar	9.44m	9.50in	3.00in	16392	
Stabiliser	2.16m	9.50in	3.00in	207A37	
Drill Collar	9.18m	9.63in	3.00in	3T9	
Stabiliser	1.70m	9.50in	3.00in	207A210	
X/O	0.47m	9.50in	2.88in	11558	
Drill Collar	28.31m	8.38in	2.88in		
Jars	9.45m	8.00in	3.00in	15881191	
Drill Collar	18.90m	8.38in	2.88in		
X/O	0.50m	8.25in	2.88in	XT57B	
HWDP	112.86m	5.50in	3.25in		See Tally.

Survey

MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
746.93	0.2	194.5	746.92	-0.7	-0.7	-2.1	0.5	

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	128	0	310.0
Rig Fuel	m3	0	14	0	218.0
POTABLE WATER	MT	11	17	0	153.0
Cement Class G	MT	0	0	0	132.0
Bentonite	MT	0	0	0	22.0
Barite	MT	0	0	0	186.0

Pumps

Pump Data - Last 24 Hrs								Slow Pump Data								
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Flow1 (psi)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.01	97	94	2000	600		30	176	40		234	50		293
2	National 14 P-220	6.50	1.01	97	94	2000	600		30	176	40		234	50		293
3	National 14 P-220	6.50		97					20	117	30		176	40		234

Personnel On Board	
Company	Pax
ADA	5



Personnel On Board	
Seadrill	15
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	7
Dril-Quip	1
Schlumberger MWD/LWD	3
Cameron	2
Weatherford	6
Total	95

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Eugene Edwards/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
1835.9bbl	965.3bbl						
Active 286.0bbl	Downhole						
Mixing	Surf+ Equip 0.0bbl						
Hole 831.9bbl	Dumped 965.3bbl						
Slug Reserve Kill Brine 718.0bbl	De-Gasser De-Sander De-Sifter Centrifuge						

Marine							
Weather on 31 May 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	8kn	270.0deg	1026.0mbar	14C°	0.5m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2496.00klb	0.5m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler	22.25		At location.	Rig Fuel	m3		597.74
				Potable Water	Mt		442
				Drill Water	Mt		327
				CEMENT G	Mt		82
				Barite	Mt		66
				Bentonite	Mt		24
				MUD	m3		0
					m3		0
Pacific Valkyrie	17.00		On location.	Rig Fuel	m3		418.2
				Potable Water	Mt		443
				Drill Water	m3		437
				CEMENT G	Mt		0
				Barite	Mt		42.5
				Bentonite	Mt		28.8



01 Jun 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data							
Country	Australia	MDBRT	755.0m	Cur. Hole Size	17.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	755.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$956,006
Rig	West Triton	Days from spud	4.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$11,536,483
Wtr Dpth(MSL)	56.3m	Days on well	7.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Preparing to run H4 connector from work boat.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Cement 13.375in casing. Release running tool and POOH with inner string. Install trash cap on well head with ROV. Rig up and run high pressure riser.		

Summary of Period 0000 to 2400 Hrs
 Trouble shoot problems with Cameron well head running tools. Rigged up and ran 13.375in casing to 643m. Rigged up and ran drill pipe inner string to 619.1m. Picked up and made up well head to casing. RIH with casing on landing string. Landed out well head and confirmed with 50k overpull.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		0 Days	Held at 22.00 hours.	Abandon ship drill.	
First Aid Case		1 Day	First aid case.	Good response by all personnel.	
PTW issued	12	0 Days		Man leaning against opened door fell and bruised armed.	
Safety Meeting		1 Day		Fit for work.	
STOP Card	28	0 Days		Permit to work issued for the day.	
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
				Stop cards submitted for the day.	
				Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 01 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	P	G12	0000	0030	0.50	755.0m	Installed wear bushing into well head.
P5	TP (TP)	G12	0030	0330	3.00	755.0m	Picked up well head running tool from derrick, attempted to make up running tool. Running tool only rotated 2 1/2 turns. Backed out running tool, inspected running tool. Checked that wear bushing correctly seated into well head. Attempted to make up running tool 2 1/2 turns, made up top drive rotated 2 more turns then torque increased to 12,000 ft/lbs. Backed out running tool. Picked up and attempted to make up spare running tool to well head, only rotated 2 1/2 turns. Laid out running tool, installed and made up running tool to back up well head laying on catwalk. Running tool rotated 8 1/2 turns, checked running position - OK.
P5	TP (TP)	G12	0330	0400	0.50	755.0m	Laid out well head from rotary table to deck.
P5	TP (TP)	G12	0400	0600	2.00	755.0m	Picked up back up well head with back up running tool installed. Laid out running tool from well head. Picked-up well head running tool from derrick and attempted to make same to well head. Rotated 2 1/2 turns and then stopped. Backed out running tool. Maded up top drive and rotated running tool 3 1/2 turns and torque increased to 5000 ft/lbs. Backed out running tool.
P5	TP (TP)	G12	0600	0700	1.00	755.0m	Laid out well head from rotary table to deck.
P5	P	G12	0700	0930	2.50	755.0m	Picked up well head "A". Installed bolts into running tool for use of running tool when wear bushing not installed into well head. Made up running tool into well head. Checked running tool - OK. Removed bolts and racked back well head and running tool in derrick.
P5	P	G1	0930	1200	2.50	755.0m	Rigged up Weatherford casing equipment and changed out baills.
P5	P	G9	1200	1800	6.00	755.0m	Held JSA and ran 13.375in casing to 643m. Checked float shoe and observed stab into 30in well head with ROV.
P5	P	G9	1800	1900	1.00	755.0m	Rigged down fill up tool and casing elevators. Rigged up drill pipe handling equipment.
P5	P	G9	1900	2100	2.00	755.0m	RIH with 5.5in drill pipe inner string to 619.10m
P5	P	G9	2100	2400	3.00	755.0m	Picked up and made up well head to 13.375in casing. RIH with landing string, land out well head at 30in conductor and confirmed latched into well head with 50k overpull. Top



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
							of 18.75in well head at 92.66m. Shoe at 746.53m.

Operations For Period 0000 Hrs to 0600 Hrs on 02 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	P	F3	0000	0200	2.00	755.0m	Held JSA and rigged up cement lines. Pumped 5bbls sea water and tested lines to 1000psi. Pumped 95 bbls sea water. Mixed and pumped Lead 377 bbls "G" cement slurry at 12.5 ppg followed by 63 bbls "G" Tail cement slurry at 15.80 ppg. Displaced with 57 bbls sea water. Final pressure 340 psi. Bled off pressure and checked floats - float holding. Volume returned 1.25 bbls.
P5	P	G1	0200	0500	3.00	755.0m	Rigged down cement lines, backed out well head running tool. POOH, laid out running tool and cement stand.
P6	P	G1	0500	0600	1.00	755.0m	(IN PROGRESS) Rigged up and prepared to run HP riser. Cleared conductor deck and moved CTU for access for HP riser "C" plate. Lowered H4 connector to work boat.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 01 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	33	31 May 2008	01 Jun 2008	169.50	7.063	755.0m	

General Comments

00:00 TO 24:00 Hrs ON 01 Jun 2008

Operational Comments	
	<p>West Triton Rig Equipment Concerns</p> <ol style="list-style-type: none"> 1) Stb crane inoperable due to problem with slewing motor. 2) Port operates very slowly once hydraulic gets hot. This has a serious impact on operational efficiency - Repairs have now been effected to this crane and it appears to be working satisfactorily. 3) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 4) There is only one TIW valve onboard. Contract states there should be two. 5) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 6) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 7) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 8) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.
Operational Comments	8 1/2" Jars = 18.5 hours.

WBM Data		Cost Today AUD\$ 45161						
Mud Type:	Prehydrated Bentonite	API FL:	Cl:	800mg/l	Solids(%vol):	Viscosity	183sec/qt	
Sample-From:	Pit 8	Filter-Cake:	K+C*1000:		H2O:	PV	20cp	
Time:	20:00	HTHP-FL:	Hard/Ca:		Oil(%):	YP	68lb/100ft²	
Weight:	8.50sg	HTHP-cake:	MBT:	38	Sand:	Gels 10s	50	
Temp:			PM:		pH:	Gels 10m	60	
			PF:		PHPA:	Fann 003	48	
						Fann 006	51	
						Fann 100	70	
						Fann 200	75	
Comment	Dumped and cleaned mud pits 1, 4, 5, 7, and 8 in preparation for mixing new mud. Commence mixing KCl/Polymer/Clayseal mud for 8 1/2" hole section.						Fann 300	88
						Fann 600	108	

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	300	96	0	514.0	
Rig Fuel	m3	0	15	0	203.0	
POTABLE WATER	MT	100	22	0	231.0	
Cement Class G	MT	0	0	0	132.0	
Bentonite	MT	0	0	0	22.0	
Barite	MT	0	0	0	186.0	



Personnel On Board	
Company	Pax
ADA	5
Seadrill	15
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	7
Dril-Quip	1
Schlumberger MWD/LWD	3
Cameron	2
Weatherford	6
Total	95

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Eugene Edwards/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2352.5bbl	413.4bbl						
Active 241.0bbl	Downhole						
Mixing	Surf+ Equip 0.0bbl						
Hole 418.5bbl	Dumped 413.4bbl						
Slug Reserve 1393.0bbl	De-Gasser						
Kill Brine 300.0bbl	De-Sander						
	De-Silting Centrifuge						

Marine							
Weather on 01 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	0kn	245.0deg	1026.0mbar	13C°	0.3m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2736.00klb	0.3m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler	22.25		At location.	Rig Fuel	m3		585.14
				Potable Water	Mt		437
				Drill Water	Mt		327
				CEMENT G	Mt		82
				Barite	Mt		66
				Bentonite	Mt		24
				MUD	m3		0
					m3		0
Pacific Valkyrie	17.00		On location.	Rig Fuel	m3		413
				Potable Water	Mt		288
				Drill Water	m3		187
				CEMENT G	Mt		0
				Barite	Mt		42.5
				Bentonite	Mt		28.8

02 Jun 2008

From: B Openshaw/S Schmidt
To: R Oliver

Well Data							
Country	Australia	MDBRT	755.0m	Cur. Hole Size	17.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	755.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$634,896
Rig	West Triton	Days from spud	5.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$12,171,379
Wtr Dpth(MSL)	56.3m	Days on well	8.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Waiting on slack water to land HP riser onto 18.75in well head.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Land out and pressure test HP riser on well head. N/U BOP'S.		

Summary of Period 0000 to 2400 Hrs
Cemented 13.375in casing. POOH with inner string, laid out running tool. Prepared and ran 22in HP riser to 66m. Dropped bushing into sea. Recovered bushing from diverter housing. Made up running tool to 22in HP riser.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		1 Day	Held at 22.00 hours.	Abandon ship drill. Good response by all personnel.	
First Aid Case		2 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.	
Incident	1	0 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls thus allowing bowls to open and the bushings to fall through rotary table. One fell to Texas deck and through the grating and went into the sea. The other landed inside the diverter.	
PTW issued	9	0 Days		Permit to work issued for the day.	
Safety Meeting		2 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
Safety Stand Down Meeting	1	0 Days	Dropped insert bushing.	Safety stand down for dropped insert bushing from 30in casing bowl. Bushing fell to Texas deck and through the grating and went into the sea.	
STOP Card	34	0 Days		Stop cards submitted for the day.	
ToolBox Talk	7	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 02 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P5	P	F3	0000	0200	2.00	755.0m	Held JSA and rigged up cement lines. Pumped 5bbls sea water and tested lines to 1000psi. Pumped 95 bbls sea water. Mixed and pumped Lead 377 bbls "G" cement slurry at 12.5 ppg followed by 63 bbls "G" Tail cement slurry at 15.80 ppg. Displaced with 57 bbls sea water. Final pressure 340 psi. Bled off pressure and checked floats - float holding. Volume returned 1.25 bbls.
P5	P	G1	0200	0500	3.00	755.0m	Rigged down cement lines, backed out well head running tool. POOH, laid out running tool and cement stand.
P6	P	G1	0500	0900	4.00	755.0m	Rigged up and prepared to run HP riser. Cleared conductor deck and moved CTU for access for HP riser "C" plate. Lowered H4 connector to work boat.
P6	P	G2	0900	1000	1.00	755.0m	Lifted H4 connector from work boat with travelling blocks and landed out on "C" plate on Texas deck.
P6	P	G2	1000	1030	0.50	755.0m	Made up running tool and racked back in derrick.
P5	P	G9	1030	1730	7.00	755.0m	Held JSA. Rigged up and ran 22in HP riser to 66m. Split bushings fell through rotary table.
P6	TP (TP)	G23	1730	2100	3.50	755.0m	Time out for safety. Secured area and investigate incident. One bushing fell through to Texas deck and into the sea. The other landed in the diverter housing, hanging over into hole centre.
P6	TP (TP)	G23	2100	2400	3.00	755.0m	Held JSA. Rigged up and retrieved split bushing from diverter housing. Welder fabricated grating to cover opening in Texas deck and installed same onto Texas deck.

Operations For Period 0000 Hrs to 0600 Hrs on 03 Jun 2008



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P6	P	G9	0000	0100	1.00	755.0m	RIH with HP riser. Attached straps to H4 connector operating lines.
P6	P	G9	0100	0400	3.00	755.0m	Attempted to land out H4 connector on 18.75in well head. Troubles encountered with landing H4 connector due to tidal currents causing large amount of movement of H4 connector above well head while attempting to land out.
P6	TP (WOW)	G9	0400	0600	2.00	755.0m	Waited on slack water to land out H4 connector onto 18.75in well head.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 02 Jun 2008

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m
BOPs/Risers(P6)	12	02 Jun 2008	02 Jun 2008	193.50	8.063	755.0m

General Comments

00:00 TO 24:00 Hrs ON 02 Jun 2008

Operational Comments	Operational Comments
	West Triton Rig Equipment Concerns 1) Stb crane inoperable due to problem with slewing motor. 2) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 3) There is only one TIW valve onboard. Contract states there should be two. 4) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 5) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 6) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 7) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.
	8 1/2" Jars = 18.5 hours.

WBM Data

Cost Today AUD\$ 46996

Mud Type:	KCl/Polymer	API FL:	6.0cc/30min	Cl:	45000mg/l	Solids(%vol):	3%	Viscosity	58sec/qt
Sample-From:	Pit 8	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	94%	PV	15cp
Time:	20:00	HTHP-FL:		Hard/Ca:	200mg/l	Oil(%):		YP	27lb/100ft²
Weight:	9.50sg	HTHP-cake:		MBT:		Sand:		Gels 10s	9
Temp:				PM:	0.5	pH:	9.5	Gels 10m	12
				PF:	0.42	PHPA:	1ppb	Fann 003	10
Comment	Continue to mix KCl/Polymer/Clayseal mud for 8 1/2" hole section.							Fann 006	12
								Fann 100	25
								Fann 200	35
								Fann 300	42
								Fann 600	57

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	197	0	317.0
Rig Fuel	m3	0	5	0	198.0
POTABLE WATER	MT	10	29	0	212.0
Cement Class G	MT	0	54	0	78.0
Bentonite	MT	29	0	0	51.0
Barite	MT	0	23	0	163.0

Personnel On Board

Company	Pax
ADA	9
Seadrill	15
Seadrill Services.	40
Catering	9



Personnel On Board	
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	5
Dril-Quip	1
Schlumberger MWD/LWD	3
Cameron	2
Weatherford	3
Total	93

Mud Volumes, Mud Losses and Shale Shaker Data		Engineer : Eugene Edwards/Tim Waldhuter					
Available	2771.0bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active Mixing		Downhole Surf+ Equip	0.0bbl				
Hole Slug Reserve	2471.0bbl	Dumped De-Gasser De-Sander					
Kill Brine	300.0bbl	De-Silter Centrifuge					

Marine							
Weather on 02 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	0kn	245.0deg	1026.0mbar	13C°	0.3m	190.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather	Comments
111.4deg		2736.00klb	0.3m	190.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler	22.25		At location.	Rig Fuel	m3		579.91
				Potable Water	Mt		432
				Drill Water	Mt		327
				CEMENT G	Mt		82
				Barite	Mt		66
				Bentonite	Mt		24
				MUD	m3		0
					m3		0
Pacific Valkyrie	17.00		Under way to Geelong	Rig Fuel	m3		413
				Potable Water	Mt		288
				Drill Water	m3		187
				CEMENT G	Mt		0
				Barite	Mt		42.5
				Bentonite	Mt		28.8

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1017 / 1028	5 / 7	VIP visit Demob 3rd party



03 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	755.0m	Cur. Hole Size	17.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	755.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$680,535
Rig	West Triton	Days from spud	6.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$12,851,914
Wtr Dpth(MSL)	56.3m	Days on well	9.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Installing BOP platform over CTU.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Run BOP, test same and RIH with 12.25in bit to drill out 13.375in shoe and perform leak-off test.		

Summary of Period 0000 to 2400 Hrs

Secured grating on Texas deck. Lowered HP riser to above wellhead but unable to stab in due to movement. Waited on slack tide, jumped ROV, stabbed H4 and locked on same. Pressure tested casing/H4 to 500psi/10min. Installed CTU and ran Claxton clamp. Due to uneven operation of CTU, sheared bolts on Claxton clamp. Troubleshot problems on CTU and replaced sheared bolts on Claxton clamp.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		2 Days	Held at 22.00 hours.	Abandon ship drill. Good response by all personnel.	
First Aid Case		3 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.	
Incident	1	1 Day	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls thus allowing bowls to open and the bushings to fall through rotary table one which fell to Texas deck and through the grating and went into the sea. The other landing inside the diverter.	
PTW issued	15	0 Days		Permit to work issued for the day.	
Safety Meeting		3 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	15	0 Days		Stop cards submitted for the day.	
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 03 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P6	P	G9	0000	0100	1.00	755.0m	RIH with HP riser. Attached straps to H4 connector operating lines.
P6	P	G9	0100	0400	3.00	755.0m	Attempted to land out H4 connector on 18.75in well head. Troubles encountered with landing H4 connector due to tidal currents causing large amount of movement of H4 connector above well head while attempting to land out.
P6	TP (WOW)	G9	0400	0600	2.00	755.0m	Waited on slack water to land out H4 connector onto 18.75in well head.
P6	P	G9	0600	0700	1.00	755.0m	Jumped ROV to assist stabbing of H4 connector. Stabbed H4, sat down 34Kips weight, locked down H4 and tested by pulling 50 Kips overpull. Slacked off to 140 Kips while working on CTU.
P6	P	P1	0700	0900	2.00	755.0m	Lined up Halliburton, filled up riser and pressure tested same to 500psi/10 min against casing.
P6	P	G23	0900	0930	0.50	755.0m	Held JSA to discuss running of CTU.
P6	P	G1	0930	1930	10.00	755.0m	Cleared Texas deck, removed "C" plate, elevators, slings and installed CTU on Texas deck. Held JSA for new crew. Lowered Claxton clamp through rotary to top of CTU. Attempted to adjust CTU to correct level to tension up on riser. CTU movement uneven causing slip segment adjusting bolts to shear.
P6	TP (RE)	G23	1930	2000	0.50	755.0m	Senior personnel on crew called away to attend feedback meeting on dropped object incident on 2 June.
P6	TP (RE)	G20	2000	2300	3.00	755.0m	Mechanic troubleshot problems relating to uneven functioning of CTU. Studied drawings of Claxton clamp to determine course of action after bolts sheared.
P6	TP (RE)	G20	2300	2400	1.00	755.0m	Removed Slip Segment Captivation Plate from Claxton clamp to replace sheared slip segment adjusting bolts.

Operations For Period 0000 Hrs to 0600 Hrs on 04 Jun 2008



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P6	TP (RE)	G20	0000	0300	3.00	755.0m	Held PJSM and reviewed JSA. Continued replacing sheared bolts on Claxton clamp and adjusted slip segments to butt up against slip segment captivation plate.
P6	P	G10	0300	0430	1.50	755.0m	Tensioned up main clamp bolts on Claxton clamp and lifted Claxton clamp above CTU before raising CTU. Positioned CTU to correct level position, lowered Claxton clamp to CTU and tensioned up CTU to 100MT.
P6	P	G2	0430	0530	1.00	755.0m	Released running tool from wellhead at Texas deck and laid down same.
P6	P	G1	0530	0600	0.50	755.0m	Rigged up to install BOP work platform over CTU.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 03 Jun 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m
BOPs/Risers(P6)	36	02 Jun 2008	03 Jun 2008	217.50	9.063	755.0m

General Comments

00:00 TO 24:00 Hrs ON 03 Jun 2008	
Operational Comments	<p>West Triton Rig Equipment Concerns</p> <ol style="list-style-type: none"> 1) Stb crane inoperable due to problem with slewing motor. 2) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 3) There is only one TIW valve onboard. Contract states there should be two. 4) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 5) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 6) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 7) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.
Operational Comments	8 1/2" Jars = 18.5 hours.

WBM Data		Cost Today AUD\$ 2500							
Mud Type:	KCI/Polymer	API FL:	6.0cc/30min	Cl:	45000mg/l	Solids(%vol):	3%	Viscosity	58sec/qt
Sample-From:	Pit 8	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	94%	PV	15cp
Time:	20:00	HTHP-FL:	8.5cc/30min	Hard/Ca:	200mg/l	Oil(%):		YP	27lb/100ft²
Weight:	9.50sg	HTHP-cake:	2/32nd"	MBT:		Sand:		Gels 10s	9
Temp:				PM:	0.5	pH:	9.5	Gels 10m	12
				PF:	0.42	PHPA:	1ppb	Fann 003	10
Comment	Continue to circulate new KCI/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA.							Fann 006	12
								Fann 100	25
								Fann 200	35
								Fann 300	42
								Fann 600	57

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	20	0	297.0
Rig Fuel	m3	0	9	0	189.0
POTABLE WATER	MT	12	26	0	198.0
Cement Class G	MT	0	0	0	78.0
Bentonite	MT	0	0	0	51.0
Barite	MT	0	12	0	151.0

Personnel On Board	
Company	Pax
ADA	7
Seadrill	15
Seadrill Services.	41



Personnel On Board	
Catering	9
Halliburton	2
Baker Hughes Inteq	4
Halliburton	2
Tamboritha	4
Dril-Quip	1
Schlumberger MWD/LWD	2
Cameron	2
Weatherford	1
Nopsa	1
Total	91

Mud Volumes, Mud Losses and Shale Shaker Data		Engineer : Eugene Edwards/Tim Waldhuter					
Available	2771.0bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active Mixing		Downhole Surf+ Equip	0.0bbl				
Hole Slug Reserve	2471.0bbl	Dumped De-Gasser De-Sander					
Kill Brine	300.0bbl	De-Silting Centrifuge					

Marine							
Weather on 03 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	12kn	90.0deg	1022.0mbar	12C°	0.3m	90.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2546.00klb	1.0m	90.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler	22.25		At Rig	Rig Fuel	m3		575
				Potable Water	Mt		427
				Drill Water	Mt		327
				CEMENT G	Mt		82
				Barite	Mt		66
				Bentonite	Mt		24
				MUD	m3		0
					m3		0
Pacific Valkyrie			In transit to rig ETA 1600	Rig Fuel	m3		376
				Potable Water	Mt		459
				Drill Water	m3		454
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1208 / 1223	13 / 15	Crew Change Demob 3rd party

04 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	755.0m	Cur. Hole Size	17.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	755.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$626,338
Rig	West Triton	Days from spud	7.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$13,478,252
Wtr Dpth(MSL)	56.3m	Days on well	10.06	FIT/LOT:	/		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Connecting TDS to drillstring to commence drilling cement.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Drill out cement and 3m new formation. Perform LOT and POOH for 8.5in BHA to drill ahead.		

Summary of Period 0000 to 2400 Hrs
Replaced sheared bolts on Claxton clamp, activated Claxton clamp and took riser tension on CTU. Released DQ running tool from wellhead. Ran BOP work platform, ran BOP, mandril, overshot and diverter assy. Picked up 12.25in BHA and RIH same.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		3 Days	Held at 22.00 hours.	Abandon ship drill. Good response by all personnel.	
First Aid Case		4 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.	
Incident		2 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls thus allowing bowls to open and the bushings to fall through rotary table one which fell to Texas deck and through the grating and went into the sea. The other landing inside the diverter.	
PTW issued	15	0 Days		Permit to work issued for the day.	
Safety Meeting		4 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	36	0 Days		Stop cards submitted for the day.	
ToolBox Talk	6	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 04 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P6	TP (RE)	G20	0000	0300	3.00	755.0m	Held PJSM and reviewed JSA. Continued replacing sheared bolts on Claxton clamp and adjusted slip segments to butt up against slip segment captivation plate.
P6	P	G10	0300	0430	1.50	755.0m	Tensioned up main clamp bolts on Claxton clamp and lifted Claxton clamp above CTU before raising CTU. Positioned CTU to correct level position, lowered Claxton clamp to CTU and tensioned up CTU to 100MT.
P6	P	G2	0430	0530	1.00	755.0m	Released running tool from wellhead at Texas deck and laid down same.
P6	P	G1	0530	0600	0.50	755.0m	Rigged up to install BOP work platform over CTU.
P6	P	G1	0600	0900	3.00	755.0m	Held JSA and PJSM and laid down mousehole. Installed work platform on Texas deck.
P6	P	G13	0900	1430	5.50	755.0m	Held JSA/PJSM and moved BOP to well centre and set BOP on wellhead. Torqued up bolts and nipped up BOP. Increased CTU pressure to 196MT.
P6	P	P1	1430	1500	0.50	755.0m	Pressure tested BOP/wellhead connection against casing/blind ram to 2000 psi - OK.
P6	P	G13	1500	2130	6.50	755.0m	Held JSA, nipped up choke line, installed mandrel, overshot and diverter. Locked diverter, energised and function tested same.
P6	P	G13	2130	2200	0.50	755.0m	Tested functions on BOP.
P12	P	G6	2200	2400	2.00	755.0m	Moved 1 stand 9.5in DC's from aft to fwd fingers to access 8.5in DC's. Made up 12.25in milled tooth bit and RIH to 87m.

Operations For Period 0000 Hrs to 0600 Hrs on 05 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G2	0000	0530	5.50	755.0m	Continued picking up drill pipe and tagged cement at 733m. A total of 66 jnts of DP were picked up. Made up TDS and appeared to damage saver sub. Offline: Tested choke line to 5000/350 psi.
P12	TP	G2	0530	0600	0.50	755.0m	Laid out damaged single DP and inspected saver sub - OK.



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
	(RE)						

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 04 Jun 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m
Production Hole (2)(P12)	2	04 Jun 2008	04 Jun 2008	241.50	10.063	755.0m

General Comments

00:00 To 24:00 Hrs ON 04 Jun 2008	
Operational Comments	<p>West Triton Rig Equipment Concerns</p> <ol style="list-style-type: none"> 1) Stb crane inoperable due to problem with slewing motor. 2) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 3) There is only one TIW valve onboard. Contract states there should be two. 4) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 5) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 6) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 7) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.
Operational Comments	8 1/2" Jars = 18.5 hours.
Operational Comments	Jumped ROV, turned valve on H4 connector to "Closed" position. Blew cuttings away from 30in conductor to reveal Bullseye: 0.75° Port-Forward

WBM Data **Cost Today AUD\$ 2500**

Mud Type:	KCl/Polymer	API FL:	6.0cc/30min	Cl:	45000mg/l	Solids(%vol):	3%	Viscosity	58sec/qt
Sample-From:	Pit 8	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	94%	PV	15cp
Time:	20:00	HTHP-FL:	8.5cc/30min	Hard/Ca:	200mg/l	Oil(%):		YP	27lb/100ft²
Weight:	9.50sg	HTHP-cake:	2/32nd"	MBT:		Sand:		Gels 10s	9
Temp:				PM:	0.5	pH:	9.5	Gels 10m	12
				PF:	0.42	PHPA:	1ppb	Fann 003	9
Comment	Continue to circulate new KCl/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA.							Fann 006	11
								Fann 100	25
								Fann 200	35
								Fann 300	42
								Fann 600	57

Bit # 4	Wear	I	O1	D	L	B	G	O2	R
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Bitwear Comments:									
Size ("):	12.25in	IADC#	215	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run	
Mfr:	SMITH	WOB(avg)		No.	Size	Progress		Cum. Progress	
Type:	Rock	RPM(avg)		4	18/32nd"	On Bottom Hrs		Cum. On Btm Hrs	
Serial No.:	MX 8625	F.Rate				IADC Drill Hrs		Cum IADC Drill Hrs	
Bit Model	SVHC	SPP				Total Revs		Cum Total Revs	
Depth In	755.0m	HSI				ROP(avg)		ROP(avg)	
Depth Out		TFA	0.994			N/A		0.00 m/hr	
Bit Comment	Bit for drilling out cement in 13.375 casing and for LOT only.								

BHA # 4			
Weight(Wet)	Length	87.0m	Torque(max)
			D.C. (1) Ann Velocity
			0fpm



Wt Below Jar(Wet)	String Pick-Up Slack-Off	Torque(Off.Btm) Torque(On.Btm)	D.C. (2) Ann Velocity H.W.D.P. Ann Velocity D.P. Ann Velocity	0fpm 0fpm 0fpm
BHA Run Description	12.25in bit, float sub, 3x8in DC's, Jar, 2x8in DC's, 1 stdn HWDP			
BHA Run Comment	BHA for drilling out cement in 13.375in casing and for LOT only			

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	6	0	291.0	
Rig Fuel	m3	0	13	0	176.0	
POTABLE WATER	MT	12	27	0	183.0	
Cement Class G	MT	0	0	0	78.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	0	0	151.0	

Personnel On Board	
Company	Pax
ADA	5
Seadrill	14
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	4
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	2
Total	82

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Eugene Edwards/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2758.0bbl	13.0bbl	Shaker					
Active Mixing	Downhole Surf+ Equip	Shaker					
Hole	Dumped	Shaker					
Slug Reserve	De-Gasser De-Sander	Shaker					
2458.0bbl		Shaker					
Kill Brine	De-Silter Centrifuge						
300.0bbl							

Marine							
Weather on 04 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	12kn	90.0deg	1020.0mbar	13C°	0.5m	90.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2499.00klb	1.0m	90.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		569.7
Potable Water	Mt		422				
Drill Water	Mt		327				
CEMENT G	Mt		82				
Barite	Mt		66				
Bentonite	Mt		24				
MUD	m3		0				
	m3		0				



Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		349
				Potable Water	Mt		453
				Drill Water	m3		454
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1122 / 1137	0 / 9	De-mob 3rd Party

Draft Only



DRILLING MORNING REPORT # 12
Garfish-1

05 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	758.0m	Cur. Hole Size	12.250in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	758.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$782,882
Rig	West Triton	Days from spud	8.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$14,261,134
Wtr Dpth(MSL)	56.3m	Days on well	11.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Ready to commence drilling 8.5in hole.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Continue to drill 8.5in hole.		

Summary of Period 0000 to 2400 Hrs
Picked up 5.5in DP for 12.25in BHA. Tagged cement at 733m, drilled cement and rathole to 755m. Drilled 3m of new formation and performed FIT to 17.39ppg. POOH 12.25in BHA and made up 8.5in BHA and RIH picking up DP singles.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		4 Days	Held at 22.00 hours.	Abandon ship drill. Good response by all personnel.	
First Aid Case		5 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.	
Incident		3 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls thus allowing bowls to open and the bushings to fall through rotary table one which fell to Texas deck and through the grating and went into the sea. The other landing inside the diverter.	
PTW issued	15	0 Days		Permit to work issued for the day.	
Safety Meeting		5 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	31	0 Days		Stop cards submitted for the day.	
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 05 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G2	0000	0530	5.50	755.0m	Continued picking up drill pipe and tagged cement at 733m. A total of 66 jnts of DP were picked up. Made up TDS and appeared to damage saver sub. Offline: Tested choke line to 5000/350 psi.
P12	TP (RE)	G2	0530	0600	0.50	755.0m	Laid out damaged single DP and inspected saver sub - OK.
P12	P	D1	0600	0930	3.50	755.0m	Drilled cement inside 13.375in casing to shoe at 746.5m and drilled rathole to 755m.
P12	P	D2	0930	1000	0.50	758.0m	Drilled 12.25in hole from 755m to 758m
P12	P	F4	1000	1030	0.50	758.0m	Circulated bottoms up and conditioned mud.
P12	P	E1	1030	1100	0.50	758.0m	Lined up Halliburton and performed FIT. Pumped 1.8bbl to reach a pressure of 1020psi - 17.39ppg EMW. No sign of leak off. Stopped pumping. Bled back 1.8bbl fluid.
P12	P	G1	1100	1230	1.50	758.0m	Changed out bails to drilling bails, new crew held JSA, continued changing out bails and picked up 5.5in elevators.
P12	P	G8	1230	1500	2.50	758.0m	Held JSA, flowchecked and POOH wet from 758m to BHA at 87m. Flowchecked - static.
P12	P	G8	1500	1600	1.00	758.0m	Continued POOH with BHA from 87m to surface. Broke out bit.
P12	P	G1	1600	1630	0.50	758.0m	Cleared rig floor of excessive equipment and prepared for 8.5in BHA.
P12	P	G6	1630	1830	2.00	758.0m	Held JSA and made up 8.5in BHA to 76m.
P12	P	G6	1830	2030	2.00	758.0m	Changed out 5in manual elevators to 5.5in auto elevators. RIH with 2 stands HWDP from 76m to 132m.
P12	P	G6	2030	2130	1.00	758.0m	Changed out 5.5in elevators to 5in manual. Picked up jar and RIH to 144m.
P12	P	G6	2130	2230	1.00	758.0m	Changed out 5in manual elevators to 5.5in auto elevators. RIH 2 stands 5.5in HWDP to 191m, laid out one single HWDP.
P12	P	G2	2230	2400	1.50	758.0m	Held JSA, adjusted link tilt clamps and commenced picking up 5.5in DP singles from 191m to 280m.

Operations For Period 0000 Hrs to 0600 Hrs on 06 Jun 2008

Phse	Clc (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G2	0000	0530	5.50	758.0m	Continued to RIH with 8.5in bit from 280m to 734m picking up 73 DP singles. Stood back 6 stands of DP in derrick to make way in the string for a total of 75 joints to be picked up. Shallow tested mwd/lwd tools at 319m.
P12	P	G11	0530	0600	0.50	758.0m	Serviced TDS.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 05 Jun 2008

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m
Production Hole (2)(P12)	26	04 Jun 2008	05 Jun 2008	265.50	11.063	758.0m

General Comments

00:00 TO 24:00 Hrs ON 05 Jun 2008	
Operational Comments	<p>West Triton Rig Equipment Concerns</p> <ol style="list-style-type: none"> 1) Stb crane inoperable due to problem with slewing motor. 2) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 3) There is only one TIW valve onboard. Contract states there should be two. 4) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 5) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention form NOV in Norway. This has serious safety & financial consequences. 6) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 7) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.

WBM Data

Cost Today AUD\$ 2735

Mud Type:	KCl/Polymer	API FL:	6.0cc/30min	Cl:	45000mg/l	Solids(%vol):	3%	Viscosity	58sec/qt
Sample-From:	Pit 6	Filter-Cake:	1/32nd"	K+C*1000:	9%	H2O:	94%	PV	15cp
Time:	20:00	HTHP-FL:	8.5cc/30min	Hard/Ca:	200mg/l	Oil(%):		YP	27lb/100ft²
Weight:	9.50sg	HTHP-cake:	2/32nd"	MBT:		Sand:		Gels 10s	9
Temp:				PM:	0.5	pH:	9.5	Gels 10m	12
				PF:	0.42	PHPA:	1ppb	Fann 003	9
Comment	Continue to circulate new KCl/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA. Displace well to KCl/Polymer/Clayseal mud while drilling cement and shoe track. Treat mud with Citric Acid and Sodium Bicarbonate while drilling out cement.							Fann 006	11
								Fann 100	25
								Fann 200	35
								Fann 300	42
								Fann 600	57

Bit # 4

				Wear	I	O1	D	L	B	G	O2	R			
					1	1	RR	A	E	I	RR	TD			
Bitwear Comments:															
Size ("):	12.25in	IADC#	215	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run						
Mfr:	SMITH	WOB(avg)		No.	Size	Progress			Cum. Progress		0.0m				
Type:	Rock	RPM(avg)		4	18/32nd"	On Bottom Hrs			Cum. On Btm Hrs		0.0h				
Serial No.:	MX 8625	F.Rate					IADC Drill Hrs			Cum IADC Drill Hrs		0.0h			
Bit Model	SVHC	SPP					Total Revs			Cum Total Revs		0			
Depth In	755.0m	HSI					ROP(avg)			N/A		ROP(avg)		0.00 m/hr	
Depth Out	758.0m	TFA	0.994												
Bit Comment	Bit for drilling out cement in 13.375 casing and for LOT only.														



Bit # 5			Wear	I	O1	D	L	B	G	O2	R		
Bitwear Comments:													
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run					
Mfr:	Reed Hycalog	WOB(avg)	No.	Size	Progress			Cum. Progress		0.0m			
Type:	PDC	RPM(avg)	2	10/32nd"	On Bottom Hrs			Cum. On Btm Hrs		0.0h			
Serial No.:	117876	F.Rate	5	14/32nd"	IADC Drill Hrs			Cum IADC Drill Hrs		0.0h			
Bit Model	RSX519M-A2	SPP				Total Revs			Cum Total Revs			0	
Depth In	758.0m	HSI				ROP(avg)			N/A		ROP(avg)		0.00 m/hr
Depth Out		TFA	0.905										
Bit Comment													

BHA # 4						
Weight(Wet)	Length	87.0m	Torque(max)	D.C. (1) Ann Velocity		0fpm
Wt Below Jar(Wet)	String		Torque(Off.Btm)	D.C. (2) Ann Velocity		0fpm
	Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity		0fpm
	Slack-Off			D.P. Ann Velocity		0fpm
BHA Run Description		12.25in bit, float sub, 3x8in DC's, Jar, 2x8in DC's, 1 stdn HWDP				
BHA Run Comment		BHA for drilling out cement in 13.375in casing and for LOT only				

BHA # 5							
Weight(Wet)	36.00klb	Length	191.3m	Torque(max)	D.C. (1) Ann Velocity		0fpm
Wt Below Jar(Wet)	25.00klb	String		Torque(Off.Btm)	D.C. (2) Ann Velocity		0fpm
		Pick-Up		Torque(On.Btm)	H.W.D.P. Ann Velocity		0fpm
		Slack-Off			D.P. Ann Velocity		0fpm
BHA Run Description		8.5in PDC bit, NB Stab, Ported Float, Pony DC, S Stab, x/o, GVR-6-LWD, Power Pulse, 6 x 6.5in DC's, x/o, 6 x 5.5in HWDP, x/o, Jar, x/o, 5 x 5.5in HWDP					
BHA Run Comment							

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	16	0	275.0
Rig Fuel	m3	100	14	0	262.0
POTABLE WATER	MT	112	24	15	286.0
Cement Class G	MT	0	0	0	78.0
Bentonite	MT	0	0	0	51.0
Barite	MT	0	0	0	151.0

Personnel On Board	
Company	Pax
ADA	6
Seadrill	14
Seadrill Services.	42
Catering	9
Halliburton	2
Baker Hughes Inteq	4
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	2
Total	84

Mud Volumes, Mud Losses and Shale Shaker Data		Engineer : Brian Auckram/Tim Waldhuter					
Available	2700.5bbl	Losses	58.2bbl	Equipment	Description	Mesh Size	Comments
Active	510.0bbl	Downhole		Shaker 1	VSM-300	89	
Mixing		Surf+ Equip	58.2bbl	Shaker 2	VSM-300	89	
Hole	418.5bbl	Dumped		Shaker 3	VSM-300	89	
Slug Reserve	1472.0bbl	De-Gasser De-Sander		Shaker 4	VSM-300	89	
Kill Brine	300.0bbl	De-Silter Centrifuge					

Marine

Weather on 05 Jun 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	90.0deg	1025.0mbar	10C°	0.3m	90.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2689.00klb	1.0m	90.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At Geelong	Rig Fuel	m3		562.1
				Potable Water	Mt		417
				Drill Water	Mt		327
				CEMENT G	Mt		82
				Barite	Mt		66
				Bentonite	Mt		24
				MUD	m3		0
					m3		0
Pacific Valkyrie			At Rig	Rig Fuel	m3		239.4
				Potable Water	Mt		336
				Drill Water	m3		454
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1200 / 1220	7 / 5	Crew change



DRILLING MORNING REPORT # 13
Garfish-1

06 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	1365.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	1365.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	607.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$657,496
Rig	West Triton	Days from spud	9.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$14,918,630
Wtr Dpth(MSL)	56.3m	Days on well	12.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Drilling ahead 8.5in hole at 1580m.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Continue drilling 8.5in hole.		

Summary of Period 0000 to 2400 Hrs
Continued to RIH picking up 75 DP singles. Serviced TDS, washed down to bottom at 758m and drilled ahead 8.5in hole from 758m to 1365m.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		5 Days	Held at 22.00 hours.	Abandon ship drill. Good response by all personnel.
First Aid Case		6 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.
Incident		4 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls allowing bowls to open and the bushings to fall through the rotary table. One fell onto Texas deck, through the grating and into the sea. The other landed inside the diverter.
PTW issued	5	0 Days		Permit to work issued for the day.
Safety Meeting		6 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.
STOP Card	40	0 Days		Stop cards submitted for the day.
ToolBox Talk	6	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.

Operations For Period 0000 Hrs to 2400 Hrs on 06 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G2	0000	0530	5.50	758.0m	Continued to RIH with 8.5in bit from 280m to 734m picking up 73 DP singles. Stood back 6 stands of DP in derrick to make way in the string for a total of 75 joints to be picked up. Shallow tested mwd/lwd tools at 319m.
P12	P	G11	0530	0600	0.50	758.0m	Serviced TDS.
P12	P	F1	0600	0630	0.50	758.0m	Callibrated Schlumberger depth, recorded SCR's and washed down to 758m.
P12	P	D2	0630	2400	17.50	1365.0m	Drilled 8.5in hole from 758m to 1365m. Took survey every 3 stands and latterly every 5 stands. Pumped hi vis as required.

Operations For Period 0000 Hrs to 0600 Hrs on 07 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D2	0000	0600	6.00	2077.0m	(IN PROGRESS) Drilled 8.5in hole from 1365m to 2077m.

Operations For Period Hrs to Hrs on							
Phase Data to 2400hrs, 06 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	50	04 Jun 2008	06 Jun 2008	289.50	12.063	1365.0m	

General Comments
00:00 TO 24:00 Hrs ON 06 Jun 2008

General Comments	
Operational Comments	West Triton Rig Equipment Concerns 1) Stb crane inoperable due to problem with slewing motor. 2) Water maker output is not as described in rig equipment list and cannot meet daily demand for fresh water. This could cause rig to shut down if unable to take water from boat during bad weather. 3) There is only one TIW valve onboard. Contract states there should be two. 4) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 5) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention form NOV in Norway. This has serious safety & financial consequences. 6) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 7) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.

WBM Data		Cost Today AUD\$ 8703			
Mud Type: KCl/Polymer	API FL: 5.3cc/30min	Cl: 40000mg/l	Solids(%vol): 5%	Viscosity	55sec/qt
Sample-From: Flowline	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 92%	PV	12cp
Time: 23:59	HTHP-FL: 8.0cc/30min	Hard/Ca: 600mg/l	Oil(%):	YP	26lb/100ft²
Weight: 1.16sg	HTHP-cake: 2/32nd"	MBT: 5	Sand: 0.75	Gels 10s	10
Temp: 37C°		PM: 0.3	pH: 9.5	Gels 10m	17
		PF: 0.22	PHPA: 1ppb	Fann 003	10
Comment	Some cement contamination. Treat active with citric acid to lower pH and added Barazan to restore low-end rheology. Adding EZ Mud to increase PHPA concentration. Added Aldacide-G to maintain concentration. Adding unweighted KCl/Polymer premix to active to maintain volume and dilution. Dump sand trap to prevent solids build up and upgrade shaker screens to aid in solids control.			Fann 006	12
				Fann 100	25
				Fann 200	33
				Fann 300	38
				Fann 600	50

Bit # 5		Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:										
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run			
Mfr:	Reed Hycalog	WOB(avg)	24.00klb	No.	Size	Progress	607.0m	Cum. Progress	607.0m	
Type:	PDC	RPM(avg)	140	2	10/32nd"	On Bottom Hrs	9.4h	Cum. On Btm Hrs	9.4h	
Serial No.:	117876	F.Rate	800gpm	5	14/32nd"	IADC Drill Hrs	17.5h	Cum IADC Drill Hrs	17.5h	
Bit Model	RSX519M-A2	SPP	2400psi			Total Revs		Cum Total Revs	0	
Depth In	758.0m	HSI				ROP(avg)	64.57 m/hr	ROP(avg)	64.57 m/hr	
Depth Out		TFA	0.905							
Bit Comment										

BHA # 5		Length	Weight	Torque	Ann Velocity
Weight(Wet)	36.00klb	191.3m	5000ft-lbs	D.C. (1) Ann Velocity 0fpm	
Wt Below Jar(Wet)	25.00klb	159.00klb	1000ft-lbs	D.C. (2) Ann Velocity 0fpm	
		158.00klb	4000ft-lbs	H.W.D.P. Ann Velocity 0fpm	
		150.00klb		D.P. Ann Velocity 0fpm	
BHA Run Description	8.5in PDC bit, NB Stab, Ported Float, Pony DC, S Stab, x/o, GVR-6-LWD, Power Pulse, 6 x 6.5in DC's, x/o, 6 x 5.5in HWDP, x/o, Jar, x/o, 5 x 5.5in HWDP				
BHA Run Comment					

Survey								
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N/-S (m)	E/-W (m)	DLS (deg/30m)	Tool Type
768.33	0.3	278.2	768.32	-0.7	-0.7	-2.2	1.6	
857.62	0.2	288.1	857.61	-0.6	-0.6	-2.6	0.1	
946.72	0.1	341.6	946.71	-0.5	-0.5	-2.7	0.2	
1035.71	0.1	313.7	1035.70	-0.4	-0.4	-2.8	0.1	
1184.34	0.2	28.4	1184.33	-0.1	-0.1	-2.8	0.1	
1333.11	0.4	19.3	1333.09	0.7	0.7	-2.5	0.1	



Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	17	0	258.0	
Rig Fuel	m3	0	16	0	246.0	
POTABLE WATER	MT	10	28	0	268.0	
Cement Class G	MT	0	0	0	78.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	0	0	151.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.16	97	69	2400	400		20	200	117	30	250	176	40	300	234
2	National 14 P-220	6.50	1.16	97	69	2400	400		20	200	117	30	220	176	40	300	234
3	National 14 P-220	6.50		97					20		117	30		176	40		234

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride. Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.
13.38	/ 2.08sg	746.53m / 746.53m	

Personnel On Board	
Company	Pax
ADA	6
Seadrill	14
Seadrill Services.	42
Catering	9
Halliburton	2
Baker Hughes Inteq	4
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	2
Total	84

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2576.4bbl	229.6bbl	Shaker 1	VSM-300	145			
Active 571.0bbl	Downhole	Shaker 2	VSM-300	145			
Mixing	Surf+ Equip 186.6bbl	Shaker 3	VSM-300	215			
Hole 486.4bbl	Dumped 43.0bbl	Shaker 4	VSM-300	255			
Slug Reserve 1189.0bbl	De-Gasser						
Kill Brine 330.0bbl	De-Sander						
	De-Silter Centrifuge						

Marine							
Weather on 06 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	20kn	225.0deg	1023.0mbar	14C°	0.9m	225.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2611.00klb	1.5m	225.0deg	6s	Wave and swell heights are estimates.	
Comments							



Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At Geelong	Item	Unit	Used	Quantity
				Rig Fuel	m3		553.2
				Potable Water	Mt		412
				Drill Water	Mt		327
				CEMENT G	Mt		82
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		237
				Potable Water	Mt		157
				Drill Water	m3		628
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0
				174 M3 Pot Water Transferred to Drill water Tank			

Draft Only



DRILLING MORNING REPORT # 14
Garfish-1

07 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2082.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2082.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	717.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$652,444
Rig	West Triton	Days from spud	10.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$15,571,074
Wtr Dpth(MSL)	56.3m	Days on well	13.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Drilling ahead 8.5in hole at 2145m.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Drill ahead to coring point, POOH to run coring assy.		

Summary of Period 0000 to 2400 Hrs
Drilled 8.5in hole from 1365m to 2082m. Shut well in at 2077m and flow check - false alarm due to malfunction of Flow-Show gauge.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		6 Days	Held at 22.00 hours.	Abandon-ship drill. Good response by all personnel.	
First Aid Case		7 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.	
Incident		5 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls allowing bowls to open and the bushings to fall through the rotary table. One fell onto Texas deck, through the grating and into the sea. The other landed inside the diverter.	
PTW issued	6	0 Days		Permit to work issued for the day.	
Safety Meeting	1	0 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	26	0 Days		Stop cards submitted for the day.	
ToolBox Talk	6	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 07 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D2	0000	2130	21.50	2077.0m	Drilled 8.5in hole from 1365m to 2077m.
P12	P	P3	2130	2200	0.50	2077.0m	Observed flow at Flow-Show gauge. Shut well in and flowchecked - false alarm due to malfunction of Flow-Show gauge.
P12	P	D2	2200	2400	2.00	2082.0m	Drilled ahead 8.5in hole from 2077m to 2082m.

Operations For Period 0000 Hrs to 0600 Hrs on 08 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D2	0000	0600	6.00	2352.0m	(IN PROGRESS) Drilled 8.5in hole from 2082m to 2352m. At 2100m, weighted up mud from 10.1ppg to 11.0ppg.

Operations For Period Hrs to Hrs on							
Phase Data to 2400hrs, 07 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	74	04 Jun 2008	07 Jun 2008	313.50	13.063	2082.0m	

General Comments	
00:00 TO 24:00 Hrs ON 07 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns



General Comments	
	1) There is only one TIW valve onboard. Contract states there should be two. 2) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 3) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention form NOV in Norway. This has serious safety & financial consequences. 4) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 5) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks.

WBM Data		Cost Today AUD\$ 29883			
Mud Type: KCl/Polymer	API FL: 5.5cc/30min	Cl: 40000mg/l	Solids(%vol): 8%	Viscosity	57sec/qt
Sample-From: Flowline	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 89%	PV	17cp
Time: 22:00	HTHP-FL: 8.0cc/30min	Hard/Ca: 480mg/l	Oil(%):	YP	29lb/100ft²
Weight: 1.21sg	HTHP-cake: 2/32nd"	MBT: 5	Sand: 1	Gels 10s	14
Temp: 49C°		PM: 0.2	pH: 9	Gels 10m	20
		PF: 0.2	PHPA: 2ppb	Fann 003	12
				Fann 006	14
				Fann 100	30
				Fann 200	40
				Fann 300	46
				Fann 600	63
Comment	Added 10ppb Calcium Carbonate to premix to maintain active concentration. Treated increased hardness by addition of Soda Ash to the active. Continue adding EZ Mud to active to maintain concentration and inhibition. Prepare further 450bbl KCl/Polymer/Clayseal premix, weighted to 9.5ppg for dilution volume. Added 10ppb Calcium Carbonate to active prior to 2000m to minimize any potential seepage losses. Dump sand trap as required to prevent solids build up.				

Bit # 5			Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:											
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	Reed Hycalog	WOB(avg) 24.00klb	No.	Size	Progress	717.0m	Cum. Progress	1324.0m			
Type:	PDC	RPM(avg) 145	2	10/32nd"	On Bottom Hrs	14.6h	Cum. On Btm Hrs	24.0h			
Serial No.:	117876	F.Rate 800gpm	5	14/32nd"	IADC Drill Hrs	23.5h	Cum IADC Drill Hrs	41.0h			
Bit Model	RSX519M-A2	SPP 2550psi	Total Revs			Cum Total Revs			0		
Depth In	758.0m	HSI	ROP(avg)			49.11 m/hr	ROP(avg)			55.17 m/hr	
Depth Out		TFA 0.905									
Bit Comment											

BHA # 5									
Weight(Wet)	36.00klb	Length	191.3m	Torque(max)	8000ft-lbs	D.C. (1) Ann Velocity	0fpm		
Wt Below Jar(Wet)	25.00klb	String	200.00klb	Torque(Off.Btm)	1000ft-lbs	D.C. (2) Ann Velocity	0fpm		
		Pick-Up	206.00klb	Torque(On.Btm)	5000ft-lbs	H.W.D.P. Ann Velocity	0fpm		
		Slack-Off	196.00klb			D.P. Ann Velocity	0fpm		
BHA Run Description	8.5in PDC bit, NB Stab, Ported Float, Pony DC, S Stab, x/o, GVR-6-LWD, Power Pulse, 6 x 6.5in DC's, x/o, 6 x 5.5in HWDP, x/o, Jar, x/o, 5 x 5.5in HWDP								
BHA Run Comment									

Survey								
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
1480.34	0.7	19.3	1480.32	2.0	2.0	-2.0	0.2	
1569.44	0.8	16.4	1569.41	3.1	3.1	-1.7	0.1	
1599.08	0.8	17.9	1599.05	3.5	3.5	-1.6	0.1	
1745.75	1.1	5.0	1745.70	5.9	5.9	-1.1	0.3	
1893.73	1.2	353.3	1893.65	8.8	8.8	-1.2	0.2	
2040.91	1.6	351.0	2040.78	12.4	12.4	-1.7	0.3	

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	190	48	0	400.0	
Rig Fuel	m3	0	16	0	230.0	
POTABLE WATER	MT	13	27	0	254.0	
Cement Class G	MT	0	0	0	78.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	11	0	140.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.21	97	69	2550	400	1820.0	20	300	117	30	350	176	40	400	234
2	National 14 P-220	6.50		97					20		117	30		176	40		234
3	National 14 P-220	6.50	1.21	97	69	2550	400	1820.0	20	300	117	30	350	176	40	400	234

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride. Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.
13.38	/ 2.08sg	746.53m / 746.53m	

Personnel On Board	
Company	Pax
ADA	8
Seadrill	14
Seadrill Services.	42
Catering	9
Halliburton	2
Baker Hughes Inteq	6
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	2
Tasman	1
Total	89

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2748.2bbl	336.9bbl	Shaker 1	VSM-300	255			
Active 554.0bbl	Downhole	Shaker 2	VSM-300	255			
Mixing	Surf+ Equip 176.9bbl	Shaker 3	VSM-300	255			
Hole 624.2bbl	Dumped 160.0bbl	Shaker 4	VSM-300	255			
Slug Reserve 1240.0bbl	De-Gasser De-Sander						
Kill Brine 330.0bbl	De-Silter Centrifuge						

Marine							
Weather on 07 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	10kn	45.0deg	1029.0mbar	13C°	0.5m	45.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2748.00klb	1.2m	45.0deg	6s	Wave and swell heights are estimates.	
Comments							



Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At Geelong	Item	Unit	Used	Quantity
				Rig Fuel	m3		552.1
				Potable Water	Mt		455
				Drill Water	Mt		350
				CEMENT G	Mt		82
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
	m3		0				
Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		230.7
				Potable Water	Mt		152
				Drill Water	m3		438
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1227 / 1246	6 / 1	Coring crew
Slow and intermittent drilling at volcanics horizon from 2073m.				

Draft Only

08 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2352.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2352.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	270.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$652,444
Rig	West Triton	Days from spud	11.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$16,223,518
Wtr Dpth(MSL)	56.3m	Days on well	14.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Drilling ahead 8.5in hole at 2424m.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Drill ahead to coring point. POOH to run coring assy.		

Summary of Period 0000 to 2400 Hrs
Drilled 8.5in hole from 2082m to 2352m. Weighted mud up to 11ppg in preparation for o/pressured zones.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill	1	0 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.	
First Aid Case		8 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.	
Incident		6 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls allowing bowls to open and the bushings to fall through the rotary table. One fell onto Texas deck, through the grating and into the sea. The other landed inside the diverter.	
PTW issued	9	0 Days		Permit to work issued for the day.	
Safety Meeting		1 Day		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	37	0 Days		Stop cards submitted for the day.	
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 08 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D2	0000	2400	24.00	2352.0m	Drilled 8.5in hole from 2082m to 2352m. At 2100m, weighted up mud from 10.1ppg to 11.0ppg.

Operations For Period 0000 Hrs to 0600 Hrs on 09 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D2	0000	0430	4.50	2410.0m	Drilled 8.5in hole from 2352m to 2410m. Drilling break at 2407m. ROP increased from 11m/hr to 30m/hr. Flowchecked - Ok.
P12	P	G2	0430	0530	1.00	2410.0m	Stood back 2 stands of DP in derrick and picked up 6 singles of DP to allow further drilling.
P12	P	D2	0530	0600	0.50	2450.0m	(IN PROGRESS) Drilled 8.5in hole from 2410m to 2450m.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 08 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	98	04 Jun 2008	08 Jun 2008	337.50	14.063	2352.0m	

General Comments
00:00 TO 24:00 Hrs ON 08 Jun 2008



General Comments	
Operational Comments	West Triton Rig Equipment Concerns 1) There is only one TIW valve onboard. Contract states there should be two. 2) There is no spare IBOP. Contract states there should be two. Also no repair kits in stores, so rig even more exposed. 3) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences. 4) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level. This is becoming worse as days are progressing. 5) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 6) Number 4 main generator down. Exciter sent ashore for rewind.

WBM Data		Cost Today AUD\$ 18375		
Mud Type: KCl/Polymer	API FL: 6.0cc/30min	Cl: 45000mg/l	Solids(%vol): 11%	Viscosity 51sec/qt
Sample-From: Flowline	Filter-Cake: 1/32nd"	K+C*1000: 9%	H2O: 86%	PV 15cp
Time: 23:59	HTHP-FL: 12.0cc/30min	Hard/Ca: 400mg/l	Oil(%):	YP 30lb/100ft²
Weight: 1.31sg	HTHP-cake: 2/32nd"	MBT: 7.5	Sand: 1	Gels 10s 12
Temp: 51C°		PM: 0.1	pH: 9	Gels 10m 25
		PF: 0.1	PHPA: 2ppb	Fann 003 12
				Fann 006 14
				Fann 100 27
				Fann 200 36
				Fann 300 45
				Fann 600 60
Comment	Commence weighting system to 11.0ppg at 2000m. Added Circal 60/16 and Y to maintain concentrations respectively. Treated active with Soda Ash to maintain hardness within specification. Added Pac-L and Dextrid LT to active to maintain fluid loss. Continue to treat active with Aldacide-G every 12 hours to prevent bacterial degradation. Dump sand traps as required to prevent solids build up.			

Bit # 5			Wear	I	O1	D	L	B	G	O2	R
			Bitwear Comments:								
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run				
Mfr:	Reed Hycalog	WOB(avg) 33.00klb	No.	Size	Progress	270.0m	Cum. Progress	1594.0m			
Type:	PDC	RPM(avg) 140	2	10/32nd"	On Bottom Hrs	20.0h	Cum. On Btm Hrs	44.0h			
Serial No.:	117876	F.Rate 800gpm	5	14/32nd"	IADC Drill Hrs	24.0h	Cum IADC Drill Hrs	65.0h			
Bit Model	RSX519M-A2	SPP 2800psi			Total Revs		Cum Total Revs	0			
Depth In	758.0m	HSI			ROP(avg)	13.50 m/hr	ROP(avg)	36.23 m/hr			
Depth Out		TFA 0.905									
Bit Comment											

BHA # 5		Length	Torque(max)	D.C. (1) Ann Velocity
Weight(Wet)	36.00klb	191.3m	13000ft-lbs	0fpm
Wt Below Jar(Wet)	25.00klb	String	Torque(Off.Btm) 1000ft-lbs	D.C. (2) Ann Velocity 0fpm
		Pick-Up	Torque(On.Btm) 6000ft-lbs	H.W.D.P. Ann Velocity 0fpm
		Slack-Off		D.P. Ann Velocity 0fpm
BHA Run Description	8.5in PDC bit, NB Stab, Ported Float, Pony DC, S Stab, x/o, GVR-6-LWD, Power Pulse, 6 x 6.5in DC's, x/o, 6 x 5.5in HWDP, x/o, Jar, x/o, 5 x 5.5in HWDP			
BHA Run Comment				

Survey								
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
2188.18	1.6	348.1	2188.00	16.4	16.4	-2.4	0.1	

Bulk Stocks					
Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	86	0	314.0
Rig Fuel	m3	0	17	0	213.0
POTABLE WATER	MT	14	29	0	239.0



Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Cement Class G	MT	0	0	0	78.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	31	0	109.0	

Pumps																	
Pump Data - Last 24 Hrs									Slow Pump Data								
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.32	97	69	2800	400	2145.0	30	380	176	40	480	234	50	620	293
2	National 14 P-220	6.50		97					20		117	30		176	40		234
3	National 14 P-220	6.50	1.32	97	69	2800	400	2145.0	30	380	176	40	480	234	50	630	293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	8
Seadrill	14
Seadrill Services.	42
Catering	9
Halliburton	2
Baker Hughes Inteq	6
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	2
Tasman	1
Total	89

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2531.1bbl	268.5bbl	Shaker 1	VSM-300	255			
Active 578.0bbl	Downhole	Shaker 2	VSM-300	255			
Mixing	Surf+ Equip 108.5bbl	Shaker 3	VSM-300	255			
Hole 676.1bbl	Dumped 160.0bbl	Shaker 4	VSM-300	255			
Slug Reserve 947.0bbl	De-Gasser						
Kill Brine 330.0bbl	De-Sander						
	De-Silting						
	Centrifuge						

Marine							
Weather on 08 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	45.0deg	1027.0mbar	14C°	0.5m	45.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2512.00klb	1.2m	45.0deg	6s	Wave and swell heights are estimates.	
Comments							
Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			



Pacific Battler		Geelong	Steaming to West Triton ETA 08h00	Item	Unit	Used	Quantity
				Rig Fuel	m3		539.7
Potable Water	Mt		450				
Drill Water	Mt		350				
CEMENT G	Mt		82				
Barite	Mt		108				
Bentonite	Mt		24				
MUD	m3		0				
			m3		0		

Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		221.8
Potable Water	Mt		144				
Drill Water	m3		438				
CEMENT G	Mt		43				
Barite	Mt		42.5				
Bentonite	Mt		0				

Draft Only



DRILLING MORNING REPORT # 16
Garfish-1

09 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2450.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2450.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	98.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$625,962
Rig	West Triton	Days from spud	12.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$16,849,480
Wtr Dpth(MSL)	56.3m	Days on well	15.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Ready to proceed with cutting core.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Cut core and POOH with core barrel.		

Summary of Period 0000 to 2400 Hrs
 Drilled 8.5in hole from 2352m to 2410m. Racked back 2 stands and picked up 6 joints of DP. Drilled from 2410m to 2450m. Circulated and POOH. Made up and RIH coring assy to 538m.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		1 Day	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.	
First Aid Case		9 Days	First aid case.	Man leaning against opened door fell and bruised armed. Fit for work.	
Incident		7 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls allowing bowls to open and the bushings to fall through the rotary table. One fell onto Texas deck, through the grating and into the sea. The other landed inside the diverter.	
PTW issued	9	0 Days		Permit to work issued for the day.	
Safety Meeting		2 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	34	0 Days		Stop cards submitted for the day.	
ToolBox Talk	4	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 09 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D2	0000	0430	4.50	2410.0m	Drilled 8.5in hole from 2352m to 2410m. Drilling break at 2407m. ROP increased from 11m/hr to 30m/hr. Flowchecked - Ok.
P12	P	G2	0430	0530	1.00	2410.0m	Stood back 2 stands of DP in derrick and picked up 6 singles of DP to allow further drilling.
P12	P	D2	0530	0830	3.00	2450.0m	Drilled 8.5in hole from 2410m to 2450m.
P12	P	F4	0830	0930	1.00	2450.0m	Swept hole with 50bbl hi vis and circulated 2x bottoms up to clean hole.
P12	P	G8	0930	1300	3.50	2450.0m	Flow checked and POOH from 2450m to 1285m.
P12	P	F3	1300	1330	0.50	2450.0m	Made up TDS and pumped 20bbl slug.
P12	P	G8	1330	1600	2.50	2450.0m	Continued to POOH from 1285m to 132m. Flow checked at shoe.
P12	P	G8	1600	1730	1.50	2450.0m	Changed out auto elevators for 5.5in manual elevators. POOH with BHA from 132m to surface.
P12	P	G6	1730	2130	4.00	2450.0m	Held JSA, picked up and made up core barrel assy and RIH same.
P12	P	G8	2130	2400	2.50	2450.0m	Continued to RIH with BHA, changed elevators, continued RIH with coring assy to 538m.

Operations For Period 0000 Hrs to 0600 Hrs on 10 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G8	0000	0500	5.00	2450.0m	Continued RIH with core barrel from 538m to 2421m. Filled pipe every 500m. Laid down 1 single DP for space-out.
P12	P	F1	0500	0530	0.50	2450.0m	Broke circulation and washed down from 2421m to tag bottom at 2450m.
P12	P	F4	0530	0600	0.50	2450.0m	Broke pipe, dropped ball and circulated ball down. Took SCR's.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 09 Jun 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m
Production Hole (2)(P12)	122	04 Jun 2008	09 Jun 2008	361.50	15.063	2450.0m

General Comments

00:00 TO 24:00 Hrs ON 09 Jun 2008

Operational Comments	West Triton Rig Equipment Concerns
	1) Cyber system unreliable. System suffers from intermittent crashes which can require remote intervention from NOV in Norway. This has serious safety & financial consequences.
	2) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency as well as exposing the rig to spillage of WBM/ OBM should the valve be required to be operated when the Top drive is at monkey board level.
	3) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move.
	4) Number 4 main generator down. Exciter sent ashore for rewind.

WBM Data Cost Today AUD\$ 10848

Mud Type: KCI/Polymer	API FL: 5.4cc/30min	Cl: 42000mg/l	Solids(%vol): 11%	Viscosity 55sec/qt
Sample-From: Pit 6	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 86%	PV 18cp
Time: 21:00	HTHP-FL: 12.0cc/30min	Hard/Ca: 400mg/l	Oil(%):	YP 29lb/100ft²
Weight: 1.33sg	HTHP-cake: 2/32nd"	MBT: 10	Sand: 0.5	Gels 10s 14
Temp: 51C°		PM: 0.1	pH: 9.5	Gels 10m 26
		PF: 0.1	PHPA: 2ppb	Fann 003 12
				Fann 006 14
				Fann 100 31
				Fann 200 40
				Fann 300 47
				Fann 600 65
Comment	Add barite to active to maintain mud weight at 11.0ppg. Weighted 200bbl premix to 10.6ppg to allow addition without reduction in mud weight. Added EZ-Mud to active to maintain concentration and inhibition. Treated active system with Barazan-D to maintain rheology. Prepared 63bbl high vis sweep and pumped to assist hole cleaning prior to POOH.			

Bit # 5	Wear	I	O1	D	L	B	G	O2	R
		3	7	RO	T	X	I	WT	CP

Bitwear Comments:									
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:	Reed Hycalog	WOB(avg) 33.00klb	No.	Size	Progress	98.0m	Cum. Progress	1692.0m	
Type:	PDC	RPM(avg) 140	2	10/32nd"	On Bottom Hrs	6.4h	Cum. On Btm Hrs	50.4h	
Serial No.:	117876	F.Rate 800gpm	5	14/32nd"	IADC Drill Hrs	0.0h	Cum IADC Drill Hrs	65.0h	
Bit Model	RSX519M-A2	SPP 2800psi			Total Revs		Cum Total Revs	0	
Depth In	758.0m	HSI			ROP(avg)	15.31 m/hr	ROP(avg)	33.57 m/hr	
Depth Out	2450.0m	TFA 0.905							
Bit Comment									

Bit # 6	Wear	I	O1	D	L	B	G	O2	R

Bitwear Comments:									
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:	BHI (Hughes Christensen)	WOB(avg)	No.	Size	Progress		Cum. Progress	0.0m	
Type:	ch	RPM(avg)			On Bottom Hrs		Cum. On Btm Hrs	0.0h	
Serial No.:	7210843	F.Rate			IADC Drill Hrs		Cum IADC Drill Hrs	0.0h	
Bit Model	BHC409Z	SPP			Total Revs		Cum Total Revs	0	
Depth In	2450.0m	HSI			ROP(avg)	N/A	ROP(avg)	0.00 m/hr	
Depth Out	2470.0m	TFA 0.000							



Bit Comment	Coring PDC
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BHA # 5							
Weight(Wet)	36.00klb	Length	191.3m	Torque(max)	13000ft-lbs	D.C. (1) Ann Velocity	0fpm
Wt Below Jar(Wet)	25.00klb	String	217.00klb	Torque(Off.Btm)	1000ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	224.00klb	Torque(On.Btm)	6000ft-lbs	H.W.D.P. Ann Velocity	0fpm
		Slack-Off	215.00klb			D.P. Ann Velocity	0fpm
BHA Run Description	8.5in PDC bit, NB Stab, Ported Float, Pony DC, S Stab, x/o, GVR-6-LWD, Power Pulse, 6 x 6.5in DC's, x/o, 6 x 5.5in HWDP, x/o, Jar, x/o, 5 x 5.5in HWDP						
BHA Run Comment							

BHA # 6							
Weight(Wet)	34.00klb	Length	240.7m	Torque(max)		D.C. (1) Ann Velocity	0fpm
Wt Below Jar(Wet)	28.00klb	String		Torque(Off.Btm)		D.C. (2) Ann Velocity	0fpm
		Pick-Up		Torque(On.Btm)		H.W.D.P. Ann Velocity	0fpm
		Slack-Off				D.P. Ann Velocity	0fpm
BHA Run Description	8.5in Coring bit, Core barrel, 6x 6.5in DC's, x/o, 6x 5.5in HWDP, x/o, Jar, x/o, 5x 5.5in HWDP						
BHA Run Comment							

Equipment	Length	OD	ID	Serial #	Comment
Core Bit	0.43m	8.50in		7210843	
Core Barrel	68.67m	6.75in			
Float Sub		6.75in			
Drill Collar	56.06m	6.56in			
X/O	0.44m	7.00in			
HWDP	56.43m	5.50in			
X/O	0.51m	7.00in			
Jar	9.94m	6.50in		17602179	
X/O	1.22m	6.50in			
HWDP	47.02m	5.50in			

Survey									
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N/-S (m)	E/-W (m)	DLS (deg/30m)	Tool Type	
2395.12	1.7	330.0	2394.85	21.9	21.9	-4.6	0.3		
2433.46	1.6	329.5	2433.17	22.9	22.9	-5.1	0.3		

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	32	0	282.0	
Rig Fuel	m3	0	23	0	190.0	
POTABLE WATER	MT	17	31	0	225.0	
Cement Class G	MT	0	0	0	78.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	13	0	96.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)	
1	National 14 P-220	6.50	1.32	97	69	2850	400	2145.0	30	380	176	40	480	234	50	620	293
2	National 14 P-220	6.50		97					20		117	30		176	40		234
3	National 14 P-220	6.50	1.32	97	69	2850	400	2145.0	30	380	176	40	480	234	50	630	293



Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	8
Seadrill	14
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	6
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	6
Q Tech	1
Total	92

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2530.1bbl	19.3bbl	Shaker 1	VSM-300	255			
Active 518.0bbl	Downhole	Shaker 2	VSM-300	255			
Mixing	Surf+ Equip 19.3bbl	Shaker 3	VSM-300	255			
Hole 775.1bbl	Dumped	Shaker 4	VSM-300	255			
Slug Reserve 907.0bbl	De-Gasser						
Kill Brine 330.0bbl	De-Sander						
	De-Sifter						
	Centrifuge						

Marine							
Weather on 09 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	14kn	310.0deg	1014.0mbar	12C°	0.5m	310.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2312.00klb	1.2m	310.0deg	7s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At rig	Rig Fuel	m3		536.6
				Potable Water	Mt		445
				Drill Water	Mt		350
				CEMENT G	Mt		82
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
					m3		0
Pacific Valkyrie			Rig En route to Geelong	Rig Fuel	m3		209.3
				Potable Water	Mt		139
				Drill Water	m3		438
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment



Helicopter Movement				
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1030 / 1042	11 / 8	Crew Change

Draft Only



10 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2470.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2470.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	20.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$1,210,271
Rig	West Triton	Days from spud	13.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$18,059,751
Wtr Dpth(MSL)	56.3m	Days on well	16.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	POOH with core barrel at 953m.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Continue to POOH with core barrel and lay out core and barrel. Pick up new bit and BHA to continue drilling 8.5in hole.		

Summary of Period 0000 to 2400 Hrs
Continued to RIH with core barrel from 538m to 2450m. Cut core from 2450m to 2470m. Broke core off bottom (2hrs).

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		2 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.	
First Aid Case		10 Days	First aid case.	Man leaning against opened door fell and bruised his arm. Fit for work.	
Incident		8 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls allowing bowls to open and the bushings to fall through the rotary table. One fell onto Texas deck, through the grating and into the sea. The other landed inside the diverter.	
PTW issued	9	0 Days		Permit to work issued for the day.	
Safety Meeting		3 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	41	0 Days		Stop cards submitted for the day.	
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 10 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G8	0000	0500	5.00	2450.0m	Continued RIH with core barrel from 538m to 2421m. Filled pipe every 500m. Laid down 1 single DP for space-out.
P12	P	F1	0500	0530	0.50	2450.0m	Broke circulation and washed down from 2421m to tag bottom at 2450m.
P12	P	F4	0530	0600	0.50	2450.0m	Broke pipe, dropped ball and circulated ball down. Took SCR's.
P12	P	E7	0600	2200	16.00	2470.0m	Cut core from 2450m to 2470m under guidance of BHI coring supervisor.
P12	P	E7	2200	2400	2.00	2470.0m	Broke core free by working pipe to 30klbs overpull and circulating

Operations For Period 0000 Hrs to 0600 Hrs on 11 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G8	0000	0130	1.50	2470.0m	Reviewed JSA, flow checked and POOH core assy from 2470m to 2195m.
P12	P	F3	0130	0200	0.50	2470.0m	Flow checked, slugged pipe.
P12	P	G8	0200	0600	4.00	2470.0m	Continued POOH core assy from 2195m to 953m.

Operations For Period Hrs to Hrs on							
Phase Data to 2400hrs, 10 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	146	04 Jun 2008	10 Jun 2008	385.50	16.063	2470.0m	



General Comments	
00:00 TO 24:00 Hrs ON 10 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency of the rig. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind.

WBM Data		Cost Today AUD\$ 6987		
Mud Type: KCl/Polymer	API FL: 6.0cc/30min	Cl: 42000mg/l	Solids(%vol): 11%	Viscosity 50sec/qt
Sample-From: Pit 6	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 86%	PV 16cp
Time: 20:30	HTHP-FL: 12.0cc/30min	Hard/Ca: 400mg/l	Oil(%):	YP 28lb/100ft²
Weight: 1.33sg	HTHP-cake: 2/32nd"	MBT: 7.5	Sand: 0.5	Gels 10s 12
Temp: 41C°		PM: 0.1	pH: 8.5	Gels 10m 21
		PF: 0.1	PHPA: 2ppb	Fann 003 11
Comment	Dump and clean sand trap. Mud lost over shakers when emptying trip tank and filling string due to shakers not running, approx. 69bbl. Treated active system with aldacide-G to prevent bacterial degradation. Added Barazan-D, Dextrid LTE and Pac-L to active to maintain properties and Barite to maintain mud weight after a 50bbl KCl pill was pumped for suspected bit balling. Adding premix at 9.5ppg as required to maintain volume and mud properties. Added Caustic Soda to active to maintain pH. Prepare HW slug for POOH.			Fann 006 13
				Fann 100 25
				Fann 200 36
				Fann 300 44
				Fann 600 60

Bit # 6	Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:									
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:	BHI (Hughes Christensen)	WOB(avg)	No.	Size	Progress	20.0m	Cum. Progress	20.0m	
Type:	ch	RPM(avg)			On Bottom Hrs	15.9h	Cum. On Btm Hrs	15.9h	
Serial No.:	7210843	F.Rate			IADC Drill Hrs	16.0h	Cum IADC Drill Hrs	16.0h	
Bit Model	BHC409Z	SPP			Total Revs		Cum Total Revs	0	
Depth In	2450.0m	HSI			ROP(avg)	1.26 m/hr	ROP(avg)	1.26 m/hr	
Depth Out	2470.0m	TFA							
Bit Comment	Coring PDC								

BHA # 6	Weight(Wet)	34.00klb	Length	240.7m	Torque(max)	5000ft-lbs	D.C. (1) Ann Velocity	0fpm
	Wt Below Jar(Wet)	28.00klb	String	227.00klb	Torque(Off.Btm)	1000ft-lbs	D.C. (2) Ann Velocity	0fpm
			Pick-Up	233.00klb	Torque(On.Btm)	3000ft-lbs	H.W.D.P. Ann Velocity	0fpm
			Slack-Off	222.00klb			D.P. Ann Velocity	0fpm

BHA Run Description 8.5in Coring bit, Core barrel, 6x 6.5in DC's, x/o, 6x 5.5in HWDP, x/o, Jar, x/o, 5x 5.5in HWDP

BHA Run Comment						
Equipment	Length	OD	ID	Serial #	Comment	
Core Bit	0.43m	8.50in		7210843		
Core Barrel	68.67m	6.75in				
Float Sub		6.75in				
Drill Collar	56.06m	6.56in				
X/O	0.44m	7.00in				
HWDP	56.43m	5.50in				
X/O	0.51m	7.00in				
Jar	9.94m	6.50in		17602179		
X/O	1.22m	6.50in				
HWDP	47.02m	5.50in				

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	11	0	271.0	
Rig Fuel	m3	0	7	0	183.0	
POTABLE WATER	MT	14	30	0	209.0	
Cement Class G	MT	0	0	0	78.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	0	0	96.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.32	97	43	1000	250	2449.0	30	600	176	40	850	234	50	1210	293
2	National 14 P-220	6.50		97					20		117	30		176	40		234
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride. Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.
13.38	/ 2.08sg	746.53m / 746.53m	

Personnel On Board	
Company	Pax
ADA	8
Seadrill	14
Seadrill Services.	41
Catering	9
Halliburton	2
Baker Hughes Inteq	8
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	9
Q Tech	1
GTSA	2
Total	99

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2249.7bbl	292.7bbl	Shaker 1	VSM-300	255			
Active 545.0bbl	Downhole	Shaker 2	VSM-300	255			
Mixing	Surf+ Equip 131.6bbl	Shaker 3	VSM-300	255			
Hole 687.7bbl	Dumped 161.1bbl	Shaker 4	VSM-300	255			
Slug Reserve 726.0bbl	De-Gasser						
Kill Brine 291.0bbl	De-Sander						
	De-Silter						
	Centrifuge						

Marine

Weather on 10 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	12kn	350.0deg	1009.0mbar	13C°	0.5m	350.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2297.00klb	1.0m	350.0deg	7s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		523.7
				Potable Water	Mt		440
				Drill Water	Mt		350
				CEMENT G	Mt		82
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
	m3		0				
Pacific Valkyrie			At Geelong	Item	Unit	Used	Quantity
				Rig Fuel	m3		186.8
				Potable Water	Mt		455
				Drill Water	m3		438
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1021 / 1035	8 / 1	Wireline / BHI

Draft

11 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2470.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2470.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$2,118,880
Rig	West Triton	Days from spud	14.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$20,178,631
Wtr Dpth(MSL)	56.3m	Days on well	17.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Drilling ahead 8.5in hole at 2523m.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Drill ahead to TD of well, circulate and POOH for wireline logging.		

Summary of Period 0000 to 2400 Hrs

POOH, broke out core barrel and recovered 19.34m of core - 96.7% recovery. Made up new 8.5in bit and BHA and RIH to 1875m picking up 12 joints of DP.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		3 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.
First Aid Case	1	1 Day	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood damage and rolled his ankle.
Incident		9 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls thus allowing bowls to open and the bushings to fall through rotary table. One which fell to Texas deck, through the grating and into the sea. The other landing inside the diverter.
PTW issued	5	0 Days		Permit to work issued for the day.
Safety Meeting		4 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.
STOP Card	23	0 Days		Stop cards submitted for the day.
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.

Operations For Period 0000 Hrs to 2400 Hrs on 11 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G8	0000	0130	1.50	2470.0m	Reviewed JSA, flow checked and POOH core assy from 2470m to 2195m at a controlled rate.
P12	P	F3	0130	0200	0.50	2470.0m	Flow checked and slugged pipe.
P12	P	G8	0200	0630	4.50	2470.0m	Continued to POOH core assy at a controlled rate from 2195m to shoe at 746m.
P12	P	G8	0630	0900	2.50	2470.0m	Flow checked - static. Continued to POOH at a controlled rate from 746m to 240m.
P12	P	G8	0900	1100	2.00	2470.0m	Flow checked at BHA - static. Continued to POOH at a controlled rate from 240m to 67m.
P12	P	E7	1100	1600	5.00	2470.0m	Held JSA, broke core barrel and laid down same. Recovered 19.34m of core - 96.7% recovery.
P12	P	G6	1600	1830	2.50	2470.0m	Held JSA and picked up new 8.5in bit and BHA from surface to 185m.
P12	P	G2	1830	2000	1.50	2470.0m	Held JSA and picked up 12 joints of 5.5in DP to 293m.
P12	P	G8	2000	2400	4.00	2470.0m	Continued to RIH from 293m to 1875m. Broke circulation at shoe (746m).

Operations For Period 0000 Hrs to 0600 Hrs on 12 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G8	0000	0130	1.50	2470.0m	Continued to RIH from 1875m to 2450m. Filled string at 2000m.
P12	P	F1	0130	0230	1.00	2470.0m	Reamed down cored section from 2450m to 2463m.
P12	TP (RE)	G11	0230	0300	0.50	2470.0m	Greased TDS wash pipe due to small leak and took SCR's.
P12	P	F1	0300	0330	0.50	2470.0m	Continued reaming cored section from 2463m to 2470m.
P12	P	D2	0330	0600	2.50	2523.0m	Drilled ahead 8.5in hole from 2470m to 2523m.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 11 Jun 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m
Production Hole (2)(P12)	170	04 Jun 2008	11 Jun 2008	409.50	17.063	2470.0m

General Comments	
00:00 TO 24:00 Hrs ON 11 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind.

WBM Data		Cost Today AUD\$ 2710		
Mud Type: KCI/Polymer	API FL: 6.0cc/30min	Cl: 42000mg/l	Solids(%vol): 11%	Viscosity 60sec/qt
Sample-From: Pit 6	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 86%	PV 16cp
Time: 20:00	HTHP-FL: 12.0cc/30min	Hard/Ca: 360mg/l	Oil(%):	YP 29lb/100ft²
Weight: 1.33sg	HTHP-cake: 2/32nd"	MBT: 7.5	Sand: 0.5	Gels 10s 13
Temp: 25C°		PM: 0.1	pH: 9.5	Gels 10m 22
		PF: 0.1	PHPA: 2ppb	Fann 003 11
Comment	Treated mud pits with Aldacide-G to minimize bacterial activity.			Fann 006 13
				Fann 100 25
				Fann 200 36
				Fann 300 45
				Fann 600 61

Bit # 6				Wear	I	O1	D	L	B	G	O2	R
				0		0	NO	A	X	I	RR	TD
Bitwear Comments:												
Size ("):	8.50in	IADC#	Nozzles	Drilled over last 24 hrs				Calculated over Bit Run				
Mfr:	BHI (Hughes Christensen)	WOB(avg)	20.00klb	No.	Size	Progress	0.0m	Cum. Progress	20.0m			
Type:	ch	RPM(avg)	100			On Bottom Hrs	0.0h	Cum. On Btm Hrs	15.9h			
Serial No.:	7210843	F.Rate	250gpm			IADC Drill Hrs	0.0h	Cum IADC Drill Hrs	16.0h			
Bit Model	BHC409Z	SPP	1000psi			Total Revs		Cum Total Revs	0			
Depth In	2450.0m	HSI				ROP(avg)	N/A	ROP(avg)	1.26 m/hr			
Depth Out	2470.0m	TFA	0.000									
Bit Comment	Coring PDC											

Bit # 7				Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:												
Size ("):	8.50in	IADC#	Nozzles	Drilled over last 24 hrs				Calculated over Bit Run				
Mfr:	Reed Hycalog	WOB(avg)		No.	Size	Progress		Cum. Progress	0.0m			
Type:	PDC	RPM(avg)		3	14/32nd"	On Bottom Hrs		Cum. On Btm Hrs	0.0h			
Serial No.:	215985	F.Rate		3	15/32nd"	IADC Drill Hrs		Cum IADC Drill Hrs	0.0h			
Bit Model	RSX616M-D2	SPP				Total Revs		Cum Total Revs	0			
Depth In	2470.0m	HSI				ROP(avg)	N/A	ROP(avg)	0.00 m/hr			
Depth Out		TFA	0.969									
Bit Comment												



BHA # 6							
Weight(Wet)	34.00klb	Length	240.7m	Torque(max)	5000ft-lbs	D.C. (1) Ann Velocity	0fpm
Wt Below Jar(Wet)	28.00klb	String	227.00klb	Torque(Off.Btm)	1000ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	233.00klb	Torque(On.Btm)	3000ft-lbs	H.W.D.P. Ann Velocity	0fpm
		Slack-Off	222.00klb			D.P. Ann Velocity	0fpm

BHA Run Description 8.5in Coring bit, Core barrel, 6x 6.5in DC's, x/o, 6x 5.5in HWDP, x/o, Jar, x/o, 5x 5.5in HWDP

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
Core Bit	0.43m	8.50in		7210843	
Core Barrel	68.67m	6.75in			
Float Sub		6.75in			
Drill Collar	56.06m	6.56in			
X/O	0.44m	7.00in			
HWDP	56.43m	5.50in			
X/O	0.51m	7.00in			
Jar	9.94m	6.50in		17602179	
X/O	1.22m	6.50in			
HWDP	47.02m	5.50in			

BHA # 7

Weight(Wet)	31.00klb	Length	185.9m	Torque(max)		D.C. (1) Ann Velocity	0fpm
Wt Below Jar(Wet)	23.00klb	String		Torque(Off.Btm)		D.C. (2) Ann Velocity	0fpm
		Pick-Up		Torque(On.Btm)		H.W.D.P. Ann Velocity	0fpm
		Slack-Off				D.P. Ann Velocity	0fpm

BHA Run Description 8.5in PDC bit, NB Stab, float, x/o, GVR-6-LWD, Power Pulse, 6x 6.5in DC's, x/o, 6x 5.5in HWDP, x/o, Jar, x/o, 5x 5.5in HWDP.

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
8 1/2in Bit	0.25m	8.50in		215985	
8 1/2in NB Stab	1.38m	8.50in			
Float Sub	0.83m	6.69in			
X/O	0.35m	6.94in			
LWD/FEWD	3.08m	6.94in			
Power Pulse	8.45m	6.75in			
DC	56.06m	6.56in			
X/O	0.44m	7.00in			
HWDP	56.43m	7.00in			
X/O	0.51m	7.00in			
Jar	9.94m	6.50in		17602179	
X/O	1.22m	6.50in			
HWDP	47.02m	7.00in			

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	11	-97	163.0
Rig Fuel	m3	0	13	-24	146.0
POTABLE WATER	MT	15	34	-31	159.0
Cement Class G	MT	50	0	0	128.0
Bentonite	MT	0	0	0	51.0
Barite	MT	0	0	0	96.0

Pumps

Pump Data - Last 24 Hrs								Slow Pump Data								
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Flow1 (psi)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14	6.50	1.32	97					30		176	40		234	50	293

Pumps															
Pump Data - Last 24 Hrs								Slow Pump Data							
2	P-220 National 14 P-220	6.50		97				20		117	30		176	40	234
3	National 14 P-220	6.50	1.32	97				30		176	40		234	50	293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	8
Seadrill	14
Seadrill Services.	38
Catering	9
Halliburton	2
Baker Hughes Inteq	6
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	9
Q Tech	1
GTSA	2
Total	94

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2249.1bbl	0.2bbl	Shaker 1	VSM-300	255			
Active 560.0bbl	Downhole	Shaker 1	VSM-300	255			
Mixing	Surf+ Equip 0.2bbl	Shaker 2	VSM-300	255			
Hole 681.1bbl	Dumped	Shaker 2	VSM-300	255			
Slug Reserve 717.0bbl	De-Gasser	Shaker 3	VSM-300	255			
	De-Sander	Shaker 3	VSM-300	255			
Kill Brine 291.0bbl	De-Siljer	Shaker 4	VSM-300	255			
	Centrifuge	Shaker 4	VSM-300	255			

Marine							
Weather on 11 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	9kn	345.0deg	1010.0mbar	9C°	0.5m	345.0deg	3s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2409.00klb	1.0m	345.0deg	7s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At rig	Rig Fuel	m3		520.4
				Potable Water	Mt		435
				Drill Water	Mt		350
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
					m3		0



Pacific Valkyrie			At Geelong	Item	Unit	Used	Quantity
				Rig Fuel	m3		182.2
				Potable Water	Mt		450
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		0

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1025 / 1042	12 / 18	Crew change

Draft Only



12 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	120.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$644,152
Rig	West Triton	Days from spud	15.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$20,822,783
Wtr Dpth(MSL)	56.3m	Days on well	18.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Running wireline log #1: PEX-ECS-HRLA-HNGS-GR		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Continue running wireline log programme.		

Summary of Period 0000 to 2400 Hrs
RIH with new 8.5in bit from 1875m to 2450m. Reamed cored section from 2450m to 2470m. Continued drilling 8.5in hole from 2470m to 2590m. Circulated hole clean and POOH for wireline logging. Backreamed from 2583m to 2374m due to tight hole - jarred pipe free. Continued to POOH and racked back BHA to 70m.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		4 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.	
First Aid Case		2 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood dunnage and rolled his ankle.	
Incident		10 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls thus allowing bowls to open and the bushings to fall through rotary table. One fell to Texas deck, through the grating and into the sea. The other landing inside the diverter.	
PTW issued	7	0 Days		Permit to work issued for the day.	
Safety Meeting		5 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	27	0 Days		Stop cards submitted for the day.	
ToolBox Talk	4	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 12 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G8	0000	0130	1.50	2470.0m	Continued to RIH from 1875m to 2450m. Filled string at 2000m.
P12	P	F1	0130	0230	1.00	2470.0m	Reamed down cored section from 2450m to 2463m.
P12	TP (RE)	G11	0230	0300	0.50	2470.0m	Greased TDS wash pipe due to small leak and took SCR's.
P12	P	F1	0300	0330	0.50	2470.0m	Continued reaming cored section from 2463m to 2470m.
P12	P	D2	0330	1330	10.00	2590.0m	Drilled ahead 8.5in hole from 2470m to 2590m.
P12	P	F4	1330	1430	1.00	2590.0m	Pumped 50bbl hi vis sweep and circulated hole clean.
P12	P	G8	1430	1500	0.50	2590.0m	POOH from 2590m to 2374m.
P12	TP (WB)	F1	1500	1600	1.00	2590.0m	Made up TDS and backreamed from 2583m to 2464m - tight at 2494m and 2484m. Used jar to free pipe. Continued to backream from 2464m to 2374m.
P12	P	G8	1600	2230	6.50	2590.0m	Continued to POOH from 2374m to 186m. Slugged pipe at 1491m.
P12	P	G6	2230	2400	1.50	2590.0m	Racked back BHA from 186m to 70m.

Operations For Period 0000 Hrs to 0600 Hrs on 13 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G2	0000	0100	1.00	2590.0m	Held JSA and continued racking back BHA and laying down MWD/LWD tools.
P12	P	G11	0100	0130	0.50	2590.0m	Serviced TDS and related equipment.
P12	P	G1	0130	0230	1.00	2590.0m	Held JSA and rigged up Schlumberger wireline equipment.
P12	P	E3	0230	0600	3.50	2590.0m	Ran wireline log #1: PEX-ECS-HRLA-HNGS-GR

Operations For Period Hrs to Hrs on



Phase Data to 2400hrs, 12 Jun 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m
Production Hole (2)(P12)	194	04 Jun 2008	12 Jun 2008	433.50	18.063	2590.0m

General Comments	
00:00 TO 24:00 Hrs ON 12 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind.

WBM Data		Cost Today AUD\$ 3470		
Mud Type: KCl/Polymer	API FL: 6.0cc/30min	Cl: 42000mg/l	Solids(%vol): 11%	Viscosity 60sec/qt
Sample-From: Pit 6	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 86%	PV 16cp
Time: 20:00	HTHP-FL: 12.0cc/30min	Hard/Ca: 360mg/l	Oil(%):	YP 29lb/100ft²
Weight: 1.33sg	HTHP-cake: 2/32nd"	MBT: 7.5	Sand: 0.5	Gels 10s 13
Temp: 25C°		PM: 0.1	pH: 9.5	Gels 10m 22
		PF: 0.1	PHPA: 2ppb	Fann 003 11
Comment				Fann 006 13
				Fann 100 25
				Fann 200 36
				Fann 300 45
				Fann 600 61

Bit # 7				Wear	I	O1	D	L	B	G	O2	R
					8	7	RO	S	X	I	BT	PR
Bitwear Comments:												
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run				
Mfr:	Reed Hycalog	WOB(avg)	20.00klb	No	Size	Progress	120.0m	Cum. Progress		120.0m		
Type:	PDC	RPM(avg)	140	3	14/32nd"	On Bottom Hrs	7.5h	Cum. On Btm Hrs		7.5h		
Serial No.:	215985	F.Rate	800gpm	3	15/32nd"	IADC Drill Hrs	10.0h	Cum IADC Drill Hrs		10.0h		
Bit Model	RSX616M-D2	SPP	2350psi				Total Revs	Cum Total Revs				
Depth In	2470.0m	HSL					ROP(avg)	16.00 m/hr	ROP(avg)			
Depth Out	2590.0m	TFA	0.969									
Bit Comment												

BHA # 7							
Weight(Wet)	31.00klb	Length	185.9m	Torque(max)	4000ft-lbs	D.C. (1) Ann Velocity	0fpm
Wt Below Jar(Wet)	23.00klb	String	232.00klb	Torque(Off.Btm)	500ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	239.00klb	Torque(On.Btm)	2000ft-lbs	H.W.D.P. Ann Velocity	0fpm
		Slack-Off	228.00klb			D.P. Ann Velocity	0fpm
BHA Run Description	8.5in PDC bit, NB Stab, float, x/o, GVR-6-LWD, Power Pulse, 6x 6.5in DC's, x/o, 6x 5.5in HWDP, x/o, Jar, x/o, 5x 5.5in HWDP.						
BHA Run Comment							

Equipment	Length	OD	ID	Serial #	Comment
8 1/2in Bit	0.25m	8.50in		215985	
8 1/2in NB Stab	1.38m	8.50in			
Float Sub	0.83m	6.69in			
X/O	0.35m	6.94in			
LWD/FEWD	3.08m	6.94in			



Equipment	Length	OD	ID	Serial #	Comment
Power Pulse	8.45m	6.75in			
DC	56.06m	6.56in			
X/O	0.44m	7.00in			
HWDP	56.43m	7.00in			
X/O	0.51m	7.00in			
Jar	9.94m	6.50in		17602179	
X/O	1.22m	6.50in			
HWDP	47.02m	7.00in			

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	4	0	159.0	
Rig Fuel	m3	100	17	0	229.0	
POTABLE WATER	MT	124	25	0	258.0	
Cement Class G	MT	0	0	0	128.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	7	-31	58.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.32	97	69	2600	800	2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97	69	2600	800	2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	10
Seadrill	12
Seadrill Services.	39
Catering	9
Halliburton	2
Baker Hughes Inteq	4
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	10
Q Tech	1
Total	92

Mud Volumes, Mud Losses and Shale Shaker Data			Engineer : Brian Auckram/James Munford				
Available	2085.7bbl	Losses	47.0bbl	Equipment	Description	Mesh Size	Comments
Active	381.0bbl	Downhole		Shaker 1	VSM-300	255	
Mixing		Surf+ Equip	47.0bbl	Shaker 1	VSM-300	255	
Hole	834.7bbl	Dumped		Shaker 2	VSM-300	255	
Slug Reserve	579.0bbl	De-Gasser		Shaker 3	VSM-300	255	
		De-Sander		Shaker 3	VSM-300	255	
Kill Brine	291.0bbl	De-Silting Centrifuge		Shaker 4	VSM-300	255	
				Shaker 4	VSM-300	255	

Marine

Weather on 12 Jun 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	30kn	270.0deg	1001.0mbar	10C°	1.2m	270.0deg	5s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2552.00klb	1.5m	270.0deg	5s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		414.3
				Potable Water	Mt		330
				Drill Water	Mt		350
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
				m3			0
Pacific Valkyrie			At Geelong	Item	Unit	Used	Quantity
				Rig Fuel	m3		680.9
				Potable Water	Mt		445
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		34.8

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1025 / 1042	12 / 18	Crew change



DRILLING MORNING REPORT # 20
Garfish-1

13 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$647,681
Rig	West Triton	Days from spud	16.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$21,470,464
Wtr Dpth(MSL)	56.3m	Days on well	19.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Running wireline log #2b: MDT.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Continue with Schlumberger wireline logs.		

Summary of Period 0000 to 2400 Hrs
Racked back BHA and laid out MWD/LWD tools. Rigged up Schlumberger wireline and ran logs #1: PEX-ECS-HRLA-HNGS-GR, #2: FMI-DSI-XPT and #2b: MDT.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		5 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.	
First Aid Case		3 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood dunnage and rolled his ankle.	
Incident		11 Days	Dropped insert bushing.	Roughneck removed pin from 30in casing bowls thus allowing bowls to open and the bushings to fall through rotary table. One fell to the Texas deck, through the grating and into the sea. The other landing inside the diverter.	
PTW issued	5	1 Day		Permit to work issued for the day.	
Safety Meeting		6 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	28	1 Day		Stop cards submitted for the day.	
ToolBox Talk	5	1 Day	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 13 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	G8	0000	0100	1.00	2590.0m	Held JSA and continued to racking back BHA and laying down MWD/LWD tools.
P12	P	G11	0100	0130	0.50	2590.0m	Serviced TDS and related equipment.
P12	P	E3	0130	0230	1.00	2590.0m	Held JSA and rigged up Schlumberger wireline equipment.
P12	P	E3	0230	1000	7.50	2590.0m	Ran wireline log #1: PEX-ECS-HRLA-HNGS-GR from 2590m to casing shoe at 746m.
P12	P	E3	1000	2200	12.00	2590.0m	Ran wireline log #2: FMI-DSI-XPT over full depth interval. XPT tool failure due to hydraulic pressure problem. Continue with DSI log after XPT failure.
P12	TP (TP)	E3	2200	2400	2.00	2590.0m	Made up MDT & ran in hole. Made a correlation pass over interval 2160m to 2105m. Retested station at 2113.5m previously successfully tested in the XPT run.

Operations For Period 0000 Hrs to 0600 Hrs on 14 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	E3	0000	0600	6.00	2590.0m	(IN PROGRESS) Ran wireline log #2b: MDT over interval 1994mm to 2525m due to failure of XPT tool on previous run.

Phase Data to 2400hrs, 13 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	



Phase Data to 2400hrs, 13 Jun 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Production Hole (2)(P12)	218	04 Jun 2008	13 Jun 2008	457.50	19.063	2590.0m

General Comments	
00:00 TO 24:00 Hrs ON 13 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind.

WBM Data		Cost Today AUD\$ 3470			
Mud Type: KCl/Polymer	API FL: 6.0cc/30min	Cl: 42000mg/l	Solids(%vol): 11%	Viscosity 60sec/qt	16cp
Sample-From: Pit 6	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 86%	YP 29lb/100ft²	13
Time: 20:00	HTHP-FL: 12.0cc/30min	Hard/Ca: 360mg/l	Oil(%):	Gels 10s	22
Weight: 1.33sg	HTHP-cake: 2/32nd"	MBT: 7.5	Sand: 0.5	Gels 10m	11
Temp: 25C°		PM: 0.1	pH: 9.5	Fann 003	13
		PF: 0.1	PHPA: 2ppb	Fann 006	25
				Fann 100	36
				Fann 200	45
				Fann 300	61
				Fann 600	
Comment					

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	0	0	159.0	
Rig Fuel	m3	0	3	0	226.0	
POTABLE WATER	MT	13	29	0	242.0	
Cement Class G	MT	0	0	0	128.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	0	0	58.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	10
Seadrill	12
Seadrill Services.	39
Catering	9
Halliburton	2
Baker Hughes Inteq	4
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	10



Personnel On Board	
Q Tech	1
Total	92

Mud Volumes, Mud Losses and Shale Shaker Data Engineer : Brian Auckram/James Munford

Available	2085.7bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active	381.0bbl	Downhole		Shaker 1	VSM-300	255	
Mixing		Surf+ Equip	0.0bbl	Shaker 1	VSM-300	255	
Hole	834.7bbl	Dumped		Shaker 2	VSM-300	255	
Slug Reserve	579.0bbl	De-Gasser		Shaker 3	VSM-300	255	
		De-Sander		Shaker 3	VSM-300	255	
Kill Brine	291.0bbl	De-Silting		Shaker 4	VSM-300	255	
		Centrifuge		Shaker 4	VSM-300	255	

Marine

Weather on 13 Jun 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	31kn	220.0deg	1015.0mbar	10C°	1.8m	220.0deg	5s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2447.00klb	2.4m	220.0deg	7s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At rig	Rig Fuel	m3		410.8
				Potable Water	Mt		325
				Drill Water	Mt		350
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
					m3		0
Pacific Valkyrie			Geelong En route to West Triton	Rig Fuel	m3		680.9
				Potable Water	Mt		445
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		34.8



DRILLING MORNING REPORT # 21
Garfish-1

14 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$612,372
Rig	West Triton	Days from spud	17.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$22,082,836
Wtr Dpth(MSL)	56.3m	Days on well	20.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Wireline log tool #4 (CST) at surface.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Rig down Schlumberger. Pick up cement stinger and RIH to plug back well for abandonment.		

Summary of Period 0000 to 2400 Hrs
Continued running wireline log #2b: MDT(interval 1994m to 2525m), log #3: VSP (interval 2580m to 96m), commenced running log #4: CST.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		6 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.	
First Aid Case		4 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood dunnage and rolled his ankle.	
Incident	1	1 Day	Dropped object - door closer	Access door on level 4 was caught by high winds and opened quickly breaking off door closer which fell to level 3 landing.	
PTW issued	10	0 Days		Permit to work issued for the day.	
Safety Meeting	1	0 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	37	0 Days		Stop cards submitted for the day.	
ToolBox Talk	4	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 14 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	E3	0000	0800	8.00	2590.0m	Ran wireline log #2b: MDT over interval 1994mm to 2525m due to failure of XPT tool on previous run.
P12	TP (TP)	E3	0800	1000	2.00	2590.0m	POOH with the MDT tool and rigged down same.
P12	P	E3	1000	2330	13.50	2590.0m	Rigged up and ran wireline log #3: VSP over interval 2580m to 96m.
P12	P	E3	2330	2400	0.50	2590.0m	Commenced running wireline log #4: CST for interval 2580m to 2025m.

Operations For Period 0000 Hrs to 0600 Hrs on 15 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	E3	0000	0600	6.00	2590.0m	Ran wireline log #4: CST, 60 shots taken over interval 2580m to 2025m. 42 recovered, 16 misfired and 2 empty.

Operations For Period Hrs to Hrs on							
Phase Data to 2400hrs, 14 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	242	04 Jun 2008	14 Jun 2008	481.50	20.063	2590.0m	

General Comments	
00:00 TO 24:00 Hrs ON 14 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind.

WBM Data		Cost Today AUD\$ 3470	
Mud Type: KCl/Polymer	API FL: 6.0cc/30min	Cl: 42000mg/l	Solids(%vol): 11%
Sample-From: Pit 6	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 86%
Time: 20:00	HTHP-FL: 12.0cc/30min	Hard/Ca: 360mg/l	Oil(%):
Weight: 1.33sg	HTHP-cake: 2/32nd"	MBT: 7.5	Sand: 0.5
Temp: 25C°		PM: 0.1	pH: 9.5
		PF: 0.1	PHPA: 2ppb
Comment			Viscosity 60sec/qt PV 16cp YP 29lb/100ft² Gels 10s 13 Gels 10m 22 Fann 003 11 Fann 006 13 Fann 100 25 Fann 200 36 Fann 300 45 Fann 600 61

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	2	0	157.0	
Rig Fuel	m3	0	4	0	222.0	
POTABLE WATER	MT	14	26	0	230.0	
Cement Class G	MT	0	0	0	128.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	0	0	58.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	7
Seadrill	12
Seadrill Services.	39
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	3
Schlumberger	8
Q Tech	1
Dril-Quip	1
Cameron	1
Weatherford	3



Personnel On Board	
Total	90

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/James Munford			
Available	2085.7bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active	381.0bbl	Downhole		Shaker 1	VSM-300	255	
Mixing		Surf+ Equip	0.0bbl	Shaker 2	VSM-300	255	
Hole	834.7bbl	Dumped		Shaker 3	VSM-300	255	
Slug Reserve	579.0bbl	De-Gasser		Shaker 4	VSM-300	255	
Kill Brine	291.0bbl	De-Sander					
		De-Sifter					
		Centrifuge					

Marine							
Weather on 14 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	22kn	270.0deg	1026.0mbar	13C°	0.9m	270.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2411.00klb	1.5m	270.0deg	4s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler		17h00	En route to Geelong	Item	Unit	Used	Quantity
				Rig Fuel	m3		403.7
				Potable Water	Mt		320
				Drill Water	Mt		350
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
				m3			0
Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		641.9
				Potable Water	Mt		435
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
Bentonite	Mt		34.8				

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1232 / 1246	6 / 8	



DRILLING MORNING REPORT # 22
Garfish-1

15 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$658,943
Rig	West Triton	Days from spud	18.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$22,741,779
Wtr Dpth(MSL)	56.3m	Days on well	21.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	POOH with cement stinger at 464m.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Continue to POOH with stinger and lay out jar. Pick up 1 stand of HWDP. Test cement plug over shoe (2000psi). RIH for top cement plug. Nipple down BOP.		

Summary of Period 0000 to 2400 Hrs
Ran Schlumberger wireline log #4: CST firing 60 shots. RIH with 2.875in stinger and DP to 2308m and circulated bottoms up. Placed balanced cement plugs from 2308m to 2190m and from 2190m to 2100m. Laid down 4 stands of DP and tagged top cement plug at 2091m. POOH to 2032m.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		7 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.
First Aid Case		5 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood dunnage and rolled his ankle.
Incident	1	0 Days	Near Miss	While making connection with a stand of DP, the rig tong slipped around the tool joint causing the slips to jerk in the RT. Two slip handles broke off, one of them missed a floorhand standing 3m away.
PTW issued	15	0 Days		Permit to work issued for the day.
Safety Meeting		1 Day		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.
STOP Card	37	0 Days		Stop cards submitted for the day.
ToolBox Talk	6	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.

Operations For Period 0000 Hrs to 2400 Hrs on 15 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	E3	0000	0600	6.00	2590.0m	Ran wireline log #4: CST, 60 shots taken over interval 2580m to 2025m. 42 recovered, 16 misfired and 2 empty.
P12	P	G1	0600	0630	0.50	2590.0m	Rigged down Schlumberger logging tools.
P21	P	G1	0630	0700	0.50	2590.0m	Held JSA and rigged up to run 2.875in stinger.
P21	P	G2	0700	0800	1.00	2590.0m	Picked up and made up 2.875in stinger to 107m.
P21	P	G8	0800	1330	5.50	2590.0m	Changed out 2.875in elevators to 5.5in auto elevators and continued to RIH stinger with 5.5in DP to 2308m.
P21	P	F4	1330	1400	0.50	2590.0m	Circulated botoms up. No significant gas readings (0.08%).
P21	P	F3	1400	1500	1.00	2590.0m	Pressure tested cement lines to 1000psi, mixed and displaced balanced cement plug #1 from 2308m to 2190m using 26bbl class G cement at 15.8ppg.
P21	P	G8	1500	1600	1.00	2590.0m	POOH 4 stands from 2308m to 2189m.
P21	P	F4	1600	1630	0.50	2590.0m	Circulated bottoms up.
P21	P	F3	1630	1730	1.00	2590.0m	Pressure tested cement lines to 1000psi, mixed and displaced balanced cement plug #2 from 2190m to 2100m using 32bbl class G cement at 15.8ppg.
P21	P	G8	1730	1830	1.00	2590.0m	POOH 5 stands from 2189m to 2032m.
P21	P	F4	1830	1900	0.50	2590.0m	Circulated bottoms up.
P21	P	G8	1900	2000	1.00	2590.0m	POOH 4 stands from 2032m to 1915m.
P21	TP (RE)	G11	2000	2030	0.50	2590.0m	Refastened loose brackets on bails and greased leaking wash pipe on TDS.
P21	P	G2	2030	2200	1.50	2590.0m	RIH 4 stands and lay down same - DP requiring inspection.
P21	P	G8	2200	2330	1.50	2590.0m	RIH from 1915m and tag TOC at 2091m .
P21	P	G8	2330	2400	0.50	2590.0m	POOH from 2091m to 2032m.



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
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Operations For Period 0000 Hrs to 0600 Hrs on 16 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G8	0000	0230	2.50	2590.0m	POOH with stinger from 2032m to 908m.
P21	P	F3	0230	0300	0.50	2590.0m	Pumped 25bbl hi vis mud and displaced with 52bbl drilling mud.
P21	P	G8	0300	0330	0.50	2590.0m	Pulled back 5 stands to 760m.
P21	P	F3	0330	0430	1.00	2590.0m	Rigged up for cement plug #3 placing stinger at 768m. Pressure test lines, mixed and displaced balanced cement plug from 768m to 670m using 55bbl class G cement at 15.9ppg.
P21	P	G8	0430	0500	0.50	2590.0m	Pulled back 5 stands to 612m.
P21	P	F4	0500	0530	0.50	2590.0m	Circulated bottoms up.
P21	P	G8	0530	0600	0.50	2590.0m	POOH from 612m to 464m

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 15 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	248.5	04 Jun 2008	15 Jun 2008	488.00	20.333	2590.0m	
Suspend and Abandon(P21)	17.5	15 Jun 2008	15 Jun 2008	505.50	21.063	2590.0m	

General Comments

00:00 TO 24:00 Hrs ON 15 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind. 4) Problem with rotary table being locked when it should be in "free" mode. Resulted in a number of broken slip handles. 5) Excessive number of times Cyber chair freezes up.

WBM Data		Cost Today AUD\$ 374	
Mud Type: KCl/Polymer	API FL: 6.0cc/30min	Cl: 42000mg/l	Solids(%vol): 11%
Sample-From: Pit 6	Filter-Cake: 1/32nd"	K+C*1000: 8%	H2O: 86%
Time: 20:00	HTHP-FL: 12.0cc/30min	Hard/Ca: 360mg/l	Oil(%):
Weight: 1.33sg	HTHP-cake: 2/32nd"	MBT: 7.5	Sand: 0.5
Temp: 25C°		PM: 0.1	pH: 9.5
		PF: 0.1	PHPA: 2ppb
Comment			Viscosity 60sec/qt PV 16cp YP 29lb/100ft² Gels 10s 13 Gels 10m 22 Fann 003 11 Fann 006 13 Fann 100 25 Fann 200 36 Fann 300 45 Fann 600 61

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	50	0	107.0
Rig Fuel	m3	0	10	0	212.0
POTABLE WATER	MT	12	29	0	213.0
Cement Class G	MT	0	14	1	115.0
Bentonite	MT	0	0	0	51.0
Barite	MT	0	0	0	58.0

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	6
Seadrill	12
Seadrill Services.	39
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	3
Schlumberger	3
Q Tech	1
Dril-Quip	1
Cameron	1
Weatherford	3
Total	84

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/James Munford			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2085.7bbl	0.0bbl	Shaker 1	VSM-300	255			
381.0bbl	0.0bbl	Shaker 2	VSM-300	255			
834.7bbl	0.0bbl	Shaker 3	VSM-300	255			
579.0bbl	0.0bbl	Shaker 4	VSM-300	255			
291.0bbl							

Marine							
Weather on 15 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	8kn	160.0deg	1026.0mbar	13C°	0.1m	160.0deg	2s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2322.00klb	1.7m	130.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At Geelong	Rig Fuel	m3		381.4
				Potable Water	Mt		455
				Drill Water	Mt		375



				Item	Unit	Used	Quantity
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		0
					m3		0

Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		632.2
				Potable Water	Mt		430
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		34.8

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1228 / 1238	0 / 6	

Draft Only

16 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$1,330,200
Rig	West Triton	Days from spud	19.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$24,071,979
Wtr Dpth(MSL)	56.3m	Days on well	22.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Laying down 22in riser joints.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Continue laying down 22in riser. Place H4 connector on boat and stow Texas deck. Cut casing and pull wellhead.		

Summary of Period 0000 to 2400 Hrs

Continued to POOH from 2032m to 908m. Spotted 25bbl of hi vis pill, pulled to 760m and placed balanced cement plug #3 across shoe. POOH and laid down stinger. Pressure tested cement plug #3 to 1200psi. RIH with open DP, spotted 30bbl of hi vis and placed balanced surface cement plug on top of hi vis. POOH and flushed lines. Nipped down and stood back BOP. Made up running tool to riser, removed Claxton clamp and commenced removing CTU.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		8 Days	Held at 10.40 hours.	Fire and Abandon ship drill. Good response by all personnel.	
First Aid Case		6 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood dunnage and rolled his ankle.	
Incident		1 Day	Near miss - slip handles broke off	While making up a stand of drill pipe the tong slipped on the tool joint. At the same point the rotary, which was supposed to be free wheeling, locked and then released causing a jerking motion and causing the slip handles to break off.	
PTW issued	11	0 Days		Permit to work issued for the day.	
Safety Meeting		2 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	20	0 Days		Stop cards submitted for the day.	
ToolBox Talk	6	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 16 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G8	0000	0230	2.50	2590.0m	POOH with stinger from 2032m to 908m.
P21	P	F3	0230	0300	0.50	2590.0m	Pumped 25bbl of hi vis mud and displaced with 52bbl of drilling mud.
P21	P	G8	0300	0330	0.50	2590.0m	Pulled back 5 stands to 760m.
P21	P	F3	0330	0430	1.00	2590.0m	Rigged up for cement plug #3 placing stinger at 768m. Pressure test lines, mixed and displaced balanced cement plug from 768m to 670m using 55bbl of class G cement at 15.9ppg.
P21	P	G8	0430	0500	0.50	2590.0m	Pulled back 5 stands to 612m.
P21	P	F4	0500	0530	0.50	2590.0m	Circulated bottoms up.
P21	P	G8	0530	0700	1.50	2590.0m	POOH from 612m to 107m.
P21	P	G2	0700	0830	1.50	2590.0m	Broke out and laid down 2.875in cement stinger.
P21	P	P4	0830	0900	0.50	2590.0m	Lined up and pressure tested cement plug #3 to 1200psi OK.
P21	P	G8	0900	1000	1.00	2590.0m	RIH with open ended DP to 296m.
P21	P	F3	1000	1100	1.00	2590.0m	Spotted 30bbl of hi vis mud. POOH from 296m to 236m and displaced hole to seawater.
P21	P	F3	1100	1130	0.50	2590.0m	Rigged up for cement plug #4. Pressure tested lines, mixed and displaced balanced cement plug from 236m to 120m using 49bbl of class G cement at 15.9ppg.
P21	P	G8	1130	1200	0.50	2590.0m	POOH from 236m to 119m.
P21	P	F4	1200	1330	1.50	2590.0m	Circulated bottoms up and flushed choke and kill lines, overboard lines, choke manifold and poor boy degasser.
P21	P	G8	1330	1400	0.50	2590.0m	POOH from 119m to surface.
P21	P	G13	1400	2000	6.00	2590.0m	Held JSA, nipped down and stood back BOP, laid down overshot mandrel, packer and



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G1	2000	2300	3.00	2590.0m	diverter. Made up DQ running tool onto wellhead, took tension of 135klbs and slacked off CTU tension. Removed Claxton clamp.
P21	P	G1	2300	2400	1.00	2590.0m	Rigged down CTU.

Operations For Period 0000 Hrs to 0600 Hrs on 17 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G1	0000	0230	2.50	2590.0m	Continued to nipple down CTU and racked back same. Jumped ROV.
P21	P	G1	0230	0330	1.00	2590.0m	Pressured up H4 actuator to 1600psi and lifted connector 2m clear of seabed wellhead. Observed operations with ROV.
P21	P	G1	0330	0400	0.50	2590.0m	Broke out DQ running tool and stood back in derrick. Rigged up 30in bushings and 22in inserts.
P21	P	G1	0400	0530	1.50	2590.0m	Changed out bails and 5.5in elevators to long bails and 22in s/door elevators.
P21	P	G2	0530	0600	0.50	2590.0m	Continued laying out 22in riser.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 16 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	248.5	04 Jun 2008	15 Jun 2008	488.00	20.333	2590.0m	
Suspend and Abandon(P21)	41.5	15 Jun 2008	16 Jun 2008	529.50	22.063	2590.0m	

General Comments

00:00 TO 24:00 Hrs ON 16 Jun 2008

Operational Comments	
West Triton Rig Equipment Concerns	
1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind. 4) Problem with rotary table being locked when it should be in "free" mode. Resulted in a number of broken slip handles. 5) Excessive number of times Cyber chair freezes up.	

WBM Data			Cost Today						
Mud Type:	KCl/Polymer	API FL:	6.0cc/30min	Cl:	42000mg/l	Solids(%vol):	11%	Viscosity	60sec/qt
Sample-From:	Pit 6	Filter-Cake:	1/32nd"	K+C*1000:	8%	H2O:	86%	PV	16cp
Time:	20:00	HTHP-FL:	12.0cc/30min	Hard/Ca:	360mg/l	Oil(%):		YP	29lb/100ft²
Weight:	1.33sg	HTHP-cake:	2/32nd"	MBT:	7.5	Sand:	0.5	Gels 10s	13
Temp:	25C°			PM:	0.1	pH:	9.5	Gels 10m	22
				PF:	0.1	PHPA:	2ppb	Fann 003	11
Comment								Fann 006	13
								Fann 100	25
								Fann 200	36
								Fann 300	45
								Fann 600	61

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	59	0	48.0
Rig Fuel	m3	0	23	0	189.0
POTABLE WATER	MT	0	27	0	186.0
Cement Class G	MT	0	25	0	90.0
Bentonite	MT	0	0	0	51.0
Barite	MT	0	0	0	58.0

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	5
Seadrill	12
Seadrill Services.	45
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	2
Tamboritha	3
Q Tech	1
Dril-Quip	1
Cameron	2
Weatherford	3
Total	87

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer: Brian Auckram/James Munford			
Available	0.0bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active Mixing		Downhole Surf+ Equip	0.0bbl	Shaker 1	VSM-300	255	Transfer 840bbl to Pacific Battler
				Shaker 1	VSM-300	255	
Hole Slug Reserve Kill		Dumped De-Casser		Shaker 2	VSM-300	255	
		De-Sander		Shaker 2	VSM-300	255	
		De-Sifter		Shaker 3	VSM-300	255	
		Centrifuge		Shaker 3	VSM-300	255	
				Shaker 4	VSM-300	255	
				Shaker 4	VSM-300	255	

Marine							
Weather on 16 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	12kn	110.0deg	1024.0mbar	14C°	0.9m	110.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg	430.00klb	2103.00klb	1.6m	110.0deg	9s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At Rig	Rig Fuel	m3		365.4
				Potable Water	Mt		450
				Drill Water	Mt		375
				CEMENT G	Mt		32
				Barite	Mt		108



				Item	Unit	Used	Quantity
				Bentonite	Mt		24
				MUD	m3		840
					m3		0
Pacific Valkyrie				Item	Unit	Used	Quantity
				Rig Fuel	m3		628.8
				Potable Water	Mt		425
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		34.8

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1022 / 1033	15 / 11	

Draft Only



17 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$2,024,178
Rig	West Triton	Days from spud	20.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$26,096,157
Wtr Dpth(MSL)	56.3m	Days on well	23.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	POOH with casing cutter to redress same with new blades to make second cut.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Cut and pull casing and prepare for rig move.		

Summary of Period 0000 to 2400 Hrs
Racked back CTU, engaged DQ running tool onto wellhead, released H4 connector and laid out 22in riser. Loaded H4 connector and pup joints onto boat and stowed Texas deck. Made up casing cutting assy, RIH same and cut casing at seabed.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	0 Days	Held at 10.42 hours.	Abandon ship drill conducted prior to rig move. Good response by all personnel.
First Aid Case		7 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood damage and rolled his ankle.
Incident		2 Days	Near miss - slip handles broke off	While making up a stand of drill pipe the tong slipped on the tool joint. At the same point the rotary, which was supposed to be free wheeling locked, was then released causing a jerking motion and causing the slip handles to break off.
PTW issued	10	0 Days		Permit to work issued for the day.
Safety Meeting		3 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.
STOP Card	14	0 Days		Stop cards submitted for the day.
ToolBox Talk	5	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.

Operations For Period 0000 Hrs to 2400 Hrs on 17 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G1	0000	0230	2.50	2590.0m	Continued to nipple down CTU and racked back same. Jumped ROV.
P21	P	G1	0230	0330	1.00	2590.0m	Pressured up H4 actuator to 1600psi and lifted connector 2m clear of seabed wellhead. Observed operations with ROV.
P21	P	G1	0330	0400	0.50	2590.0m	Broke out DQ running tool and stood back in derrick. Rigged up 30in bushings and 22in inserts.
P21	P	G1	0400	0530	1.50	2590.0m	Changed out bails and 5.5in elevators to long bails and 22in s/door elevators.
P21	P	G2	0530	0830	3.00	2590.0m	Continued laying out 22in riser joints.
P21	P	G2	0830	0930	1.00	2590.0m	Installed C-plate and 22in side door elevators to suspend H4 connector at Texas deck. Disconnected RBC coupling.
P21	P	G2	0930	1030	1.00	2590.0m	Continued to POOH with remaining riser joints and laid down same.
P21	P	G2	1030	1200	1.50	2590.0m	Connected slings to H4 connector and lowered same to boat.
P21	P	G2	1200	1500	3.00	2590.0m	Parked Texas deck and stairs.
P21	P	G1	1500	1630	1.50	2590.0m	Rigged down Texas deck slings, held safety debrief for Texas deck and changed bails and elevators.
P21	P	G6	1630	1830	2.00	2590.0m	Held JSA and made up casing cutter assy, including MOST tool.
P21	P	G8	1830	1900	0.50	2590.0m	RIH with casing cutter assy.
P21	P	G8	1900	1930	0.50	2590.0m	Jumped ROV to assist entry into wellhead, landed out cutter assy, took 10k lbs O/pull and then set down 4k lbs.
P21	P	G17	1930	2400	4.50	2590.0m	Cut casing at 98.4m using 130 rpm, 650 gpm, 800psi.

Operations For Period 0000 Hrs to 0600 Hrs on 18 Jun 2008



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G17	0000	0030	0.50	2590.0m	Continued to cut casing - good indications of cut being completed.
P21	TP (WB)	G17	0030	0200	1.50	2590.0m	Attempted to pull casing free from seabed using up to 100klbs o/pull - unsuccessful.
P21	TP (WB)	G17	0200	0230	0.50	2590.0m	Jumped ROV, unlatched MOST tool and pulled up sufficiently to check cutting marks on the cutter. Very good indications of both 30in and 20in casing being cut. RIH cutter assy and landed out same.
P21	TP (WB)	G17	0230	0430	2.00	2590.0m	Continued attempts to try to pull casing free. Circulated without rotation while holding 70klbs o/pull on string - confirmed circulation at seabed coming up around the wellhead using the ROV. Retracted the ROV. Released o/pull and continued circulation and rotation to try to free up casing. Stopped rotation and increased o/pull to 200klbs - no success.
P21	TP (WB)	G17	0430	0530	1.00	2590.0m	Worked cutter several times to release MOST tool from wellhead. (ROV unavailable due to grounding of one phase of the power supply)
P21	TP (WB)	G17	0530	0600	0.50	2590.0m	(IN PROGRESS) POOH with cutter assy to change out cutters. Laid out 1 single of 8.25in DC. Found nominal bore protector lodged on bent cutter blades. Removed bore protector and damaged blades and dressed cutter with new blades. Removed centraliser to make new cut at a shallower depth.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 17 Jun 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Mob/Demob(P1)	48	25 May 2008	27 May 2008	48.00	2.000	0.0m	
Conductor Hole(P2)	19	27 May 2008	28 May 2008	67.00	2.792	132.0m	
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	103.50	4.313	132.0m	
Surface Hole(P4)	33	30 May 2008	31 May 2008	136.50	5.688	755.0m	
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	181.50	7.563	755.0m	
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	239.50	9.979	755.0m	
Production Hole (2)(P12)	248.5	04 Jun 2008	15 Jun 2008	488.00	20.333	2590.0m	
Suspend and Abandon(P21)	65.5	15 Jun 2008	17 Jun 2008	553.50	23.063	2590.0m	

General Comments	
00:00 TO 24:00 Hrs ON 17 Jun 2008	
Operational Comments	<p>West Triton Rig Equipment Concerns</p> <p>1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency.</p> <p>2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move.</p> <p>3) Number 4 main generator down. Exciter sent ashore for rewind.</p> <p>4) Problem with rotary table being locked when it should be in "free" mode. Resulted in a number of broken slip handles.</p> <p>5) Excessive number of times Cyber chair freezes up.</p>

WBM Data				Cost Today					
Mud Type:	KCl/Polymer	API FL:	6.0cc/30min	Cl:	42000mg/l	Solids(%vol):	11%	Viscosity	60sec/qt
Sample-From:	Pit 6	Filter-Cake:	1/32nd"	K+C*1000:	8%	H2O:	86%	PV	16cp
Time:	20:00	HTHP-FL:	12.0cc/30min	Hard/Ca:	360mg/l	Oil(%):		YP	29lb/100ft²
Weight:	1.33sg	HTHP-cake:	2/32nd"	MBT:	7.5	Sand:	0.5	Gels 10s	13
Temp:	25C°			PM:	0.1	pH:	9.5	Gels 10m	22
				PF:	0.1	PHPA:	2ppb	Fann 003	11
Comment								Fann 006	13
								Fann 100	25
								Fann 200	36
								Fann 300	45
								Fann 600	61

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	10	0	38.0	
Rig Fuel	m3	0	3	0	186.0	
POTABLE WATER	MT	12	28	0	170.0	
Cement Class G	MT	0	0	0	90.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	0	0	58.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)	
1	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	5
Seadrill	12
Seadrill Services.	49
Catering	9
Halliburton	1
Baker Hughes Inteq	2
Halliburton	1
Tamboritha	3
Q Tech	1
Cameron	1
Weatherford	3
Total	87

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/James Munford			
Available	0.0bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active Mixing		Downhole Surf+ Equip	0.0bbl	Shaker 1	VSM-300	255	Transfer 840bbl to Pacific Battler
				Shaker 2	VSM-300	255	
Hole Slug Reserve Kill		Dumped De-Casser De-Sander De-Sifter Centrifuge		Shaker 3	VSM-300	255	
				Shaker 4	VSM-300	255	

Marine							
Weather on 17 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	310.0deg	1013.0mbar	12C°	0.2m	110.0deg	2s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2000.00klb	1.3m	110.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At Rig	Rig Fuel	m3		360
				Potable Water	Mt		445
				Drill Water	Mt		375
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		840
					m3		0



Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		625.1
				Potable Water	Mt		420
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		34.8

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1022 / 1234	9 / 9	

Draft Only



18 Jun 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$609,700
Rig	West Triton	Days from spud	21.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$26,705,857
Wtr Dpth(MSL)	56.3m	Days on well	24.06	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600	Holding pre-jacking meeting to jack down rig.		
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op	Jack rig down and move rig to Longtom-4.		

Summary of Period 0000 to 2400 Hrs
Completed cutting of casings - unable to pull casing free with 200klbs o/pull. Recovered cutting assy, replaced cutter blades and RIH for cut #2. Cut casings and pull same free. Prepared and skidded rig in.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		1 Day	Held at 10.42 hours.	Abandon ship drill conducted prior to rig move. Good response by all personnel.	
First Aid Case		8 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood dunnage and rolled his ankle.	
Incident		3 Days	Near miss - slip handles broke off	While making up a stand of drill pipe the tong slipped on the tool joint. At the same point the rotary, which was supposed to be free wheeling, locked and then released causing a jerking motion and causing the slip handles to break off.	
PTW issued	7	0 Days		Permit to work issued for the day.	
Safety Meeting		4 Days		Weekly safety meeting held at 1300 Saturday and 0045 on Sunday morning.	
STOP Card	18	0 Days		Stop cards submitted for the day.	
ToolBox Talk	4	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.	

Operations For Period 0000 Hrs to 2400 Hrs on 18 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P21	P	G17	0000	0030	0.50	2590.0m	Continued to cut casing - good indications of cut being completed.
P21	TP (WB)	G17	0030	0200	1.50	2590.0m	Attempted to pull casing free from seabed using up to 100klbs o/pull - unsuccessful.
P21	TP (WB)	G17	0200	0230	0.50	2590.0m	Jumped ROV, unlatched MOST tool and pulled up sufficiently to check cutting marks on the cutter. Very good indications of both 30in and 20in casing being cut. RIH cutter assy and landed out same.
P21	TP (WB)	G17	0230	0430	2.00	2590.0m	Continued attempts to try to pull casing free. Circulated without rotation while holding 70klbs o/pull on string - confirmed circulation at seabed coming up around the wellhead using the ROV. Retracted the ROV. Released o/pull and continued circulation and rotation to try to free up casing. Stopped rotation and increased o/pull to 200klbs - no success.
P21	TP (WB)	G17	0430	0530	1.00	2590.0m	Worked cutter several times to release MOST tool from wellhead. (ROV unavailable due to grounding of one phase of the power supply)
P21	TP (WB)	G17	0530	0900	3.50	2590.0m	POOH with cutter assy to change out cutters. Laid out 1 single of 8.25in DC. Found nominal bore protector lodged on bent cutter blades. Removed bore protector and damaged blades and dressed cutter with new blades. Removed centraliser to make new cut at a shallower depth.
P21	TP (WB)	G17	0900	1030	1.50	2590.0m	RIH with cutter assy #2.
P21	TP (WB)	G17	1030	1730	7.00	2590.0m	Cut wellhead casings at 96.8m using 150rpm, 790gpm/1780psi.
P21	P	G9	1730	1800	0.50	2590.0m	Lifted cutting assy, 10klbs o/pull and POOH with cutting assy. Successfully retrieved wellhead casings.
P1	P	M2	1800	1930	1.50	2590.0m	Held JSA, removed cantilever wedges and commenced skidding rig in.
P1	P	G1	1930	2100	1.50	2590.0m	Installed gumbo hose clamp and disconnected gumbo hose and service hoses.



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M2	2100	2200	1.00	2590.0m	Removed funnel and bullseye from 30in wellhead. Skidded rig out to allow laying down of 1 DC above recovered wellhead and for crane to reach rig floor.
P1	P	G9	2200	2230	0.50	2590.0m	Laid out 1 single of 8.25in DC.
P1	P	M2	2230	2400	1.50	2590.0m	Continued to skid in rig. Offline: MOST tool not latched onto wellhead - casings retrieved by jammed cutting blades inside 20in casing. Discussed best method to recover cutting assy from inside casings. Obtained PTW and equipment for welder to cut casings to retrieve tools.

Operations For Period 0000 Hrs to 0600 Hrs on 19 Jun 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
	P	M2	0000	0300	3.00	2590.0m	Continued to skid in the cantilever deck and pinned same. Offline: Cut 30in conductor and then 20in casing in order to remove cutter assy.
P1	P	G2	0300	0530	2.50	2590.0m	Laid down retrieved casings, broke out and laid down cutter assy. Laid out 2 x 8.25in DC's. Secured TDS.
P1	P	G23	0530	0600	0.50	2590.0m	Held pre-jacking meeting to jack down rig.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 18 Jun 2008

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Conductor Hole(P2)	19	27 May 2008	28 May 2008	19.00	0.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	55.50	2.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	88.50	3.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	133.50	5.563	755.0m
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	191.50	7.979	755.0m
Production Hole (2)(P12)	248.5	04 Jun 2008	15 Jun 2008	440.00	18.333	2590.0m
Mob/Demob(P1)	54	25 May 2008	18 Jun 2008	494.00	20.583	2590.0m
Suspend and Abandon(P21)	83.5	15 Jun 2008	18 Jun 2008	577.50	24.063	2590.0m

General Comments

00:00 TO 24:00 Hrs ON 18 Jun 2008

Operational Comments	West Triton Rig Equipment Concerns
	1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind. 4) Problem with rotary table being locked when it should be in "free" mode. Resulted in a number of broken slip handles. 5) Excessive number of times Cyber chair freezes up.

WBM Data			Cost Today						
Mud Type:	KCl/Polymer	API FL:	6.0cc/30min	Cl:	42000mg/l	Solids(%vol):	11%	Viscosity	60sec/qt
Sample-From:	Pit 6	Filter-Cake:	1/32nd"	K+C*1000:	8%	H2O:	86%	PV	16cp
Time:	20:00	HTHP-FL:	12.0cc/30min	Hard/Ca:	360mg/l	Oil(%):		YP	29lb/100ft²
Weight:	1.33sg	HTHP-cake:	2/32nd"	MBT:	7.5	Sand:	0.5	Gels 10s	13
Temp:	25C°			PM:	0.1	pH:	9.5	Gels 10m	22
				PF:	0.1	PHPA:	2ppb	Fann 003	11
Comment								Fann 006	13
								Fann 100	25
								Fann 200	36
								Fann 300	45
								Fann 600	61

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	5	0	33.0
Rig Fuel	m3	0	12	0	174.0
POTABLE WATER	MT	12	23	0	159.0
Cement Class G	MT	0	0	0	90.0
Bentonite	MT	0	0	0	51.0
Barite	MT	0	0	0	58.0

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)	
1	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	5
Seadrill	12
Seadrill Services.	49
Catering	9
Halliburton	1
Baker Hughes Inteq	2
Halliburton	1
Tamboritha	3
Q Tech	1
Cameron	1
Weatherford	1
Total	85

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/James Munford			
Available	0.0bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active Mixing		Downhole Surf+ Equip	0.0bbl				Transfer 840bbl to Pacific Battler
Hole Slug Reserve Kill		Dumped De-Casser De-Sander De-Sifter Centrifuge					

Marine							
Weather on 18 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	279.0deg	1012.0mbar	11C°	0.2m	90.0deg	2s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		1950.00klb	0.7m	90.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At Rig	Rig Fuel	m3		355.7
				Potable Water	Mt		440
				Drill Water	Mt		375
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		840
					m3		0



Pacific Valkyrie			At Rig	Item	Unit	Used	Quantity
				Rig Fuel	m3		620.9
				Potable Water	Mt		415
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		34.8

Helicopter Movement				
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1022 / 1037	9 / 11	

Draft Only



19 Jun 2008

From: S De Freitas/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2590.0m	Cur. Hole Size	8.500in	AFE Cost	AUD\$30,111,800
Field	Garfish / Longtom	TVDBRT	2590.0m	Last Casing OD	13.375in	AFE No.	Garfish-1
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$229,143
Rig	West Triton	Days from spud	21.81	Shoe MDBRT	746.5m	Cum Cost	AUD\$26,935,000
Wtr Dpth(MSL)	56.3m	Days on well	24.44	FIT/LOT:	2.08sg /		
RT-ASL(MSL)	39.9m	Planned TD MD	2480.0m	Current Op @ 0600			
RT-ML	96.2m	Planned TD TVDRT	2522.9m	Planned Op			

Summary of Period 0000 to 2400 Hrs
Skidded rig in while releasing casing cutter assy from recovered 30in and 20in. Continued laying down casing cutter assy and 2 jnts 8.25in DC's. Secured TDS. Held pre-jacking JSA, jacked rig down and commenced tow to Longtom-4. END OF GARFISH WELL @ 09:00hrs, Thursday 19th June 2008.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		2 Days	Held at 10.42 hours.	Abandon ship drill conducted prior to rig move. Good response by all personnel.
First Aid Case		9 Days	First aid case.	Roustabout stepped back down after hooking up a bulker bag, placing his foot partially on a piece of wood damage and rolled his ankle.
Incident		4 Days	Near miss - slip handles broke off	While making up a stand of drill pipe the tong slipped on the tool joint. At the same point the rotary which was supposed to be free wheeling locked and then released causing a jerking motion and causing the slip handles to break off.
PTW issued	7	1 Day		Permit to work issued for the day.
Safety Meeting		5 Days		Weekly safety meeting held at 1300 on Saturday and 0045 on Sunday morning.
STOP Card	18	1 Day		Stop cards submitted for the day.
ToolBox Talk	4	1 Day	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.

Operations For Period 0000 Hrs to 2400 Hrs on 19 Jun 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P1	P	M2	0000	0300	3.00	2590.0m	Continued to skid cantilever deck in and pinned same.
P1	P	G2	0300	0530	2.50	2590.0m	Offline: Cut 30in conductor and then 20in casing in order to remove cutter assy. Laid down retrieved casings. Broke out and laid down cutter assy. Laid out 2 x 8.25in DC's. Secured TDS.
P1	P	M3	0530	0830	3.00	2590.0m	Held pre-jacking meeting and jacked down rig. Connected boats to rig for tow.
P1	P	M1	0830	0900	0.50	2590.0m	Commenced tow to Longtom-4. One kilometre from Garfish-1.
***** END OF GARFISH-1 @ 09:00hrs on 19 June 2008 *****							

Operations For Period Hrs to Hrs on						
Phase Data to 2400hrs, 19 Jun 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Conductor Hole(P2)	19	27 May 2008	28 May 2008	19.00	0.792	132.0m
Conductor Casing(P3)	36.5	28 May 2008	30 May 2008	55.50	2.313	132.0m
Surface Hole(P4)	33	30 May 2008	31 May 2008	88.50	3.688	755.0m
Surface Casing(P5)	45	31 May 2008	02 Jun 2008	133.50	5.563	755.0m
BOPs/Risers(P6)	58	02 Jun 2008	04 Jun 2008	191.50	7.979	755.0m
Production Hole (2)(P12)	248.5	04 Jun 2008	15 Jun 2008	440.00	18.333	2590.0m
Suspend and Abandon(P21)	83.5	15 Jun 2008	18 Jun 2008	523.50	21.813	2590.0m
Mob/Demob(P1)	63	25 May 2008	19 Jun 2008	586.50	24.438	2590.0m



General Comments	
00:00 TO 24:00 Hrs ON 19 Jun 2008	
Operational Comments	West Triton Rig Equipment Concerns 1) Top drive rotating head has operating problems, to be able to rotate the IBOP must be operated first. This is impacting on operational efficiency. 2) Link tilt rams bent, making handling of tubulars difficult and increasing time taken to carry out tasks. New rams now onboard - plan to change out on rig move. 3) Number 4 main generator down. Exciter sent ashore for rewind. 4) Problem with rotary table being locked when it should be in "free" mode. Resulted in a number of broken slip handles. 5) Excessive number of times Cyber chair freezes up.

WBM Data				Cost Today					
Mud Type:	KCl/Polymer	API FL:	6.0cc/30min	Cl:	42000mg/l	Solids(%vol):	11%	Viscosity	60sec/qt
Sample-From:	Pit 6	Filter-Cake:	1/32nd"	K+C*1000:	8%	H2O:	86%	PV	16cp
Time:	20:00	HTHP-FL:	12.0cc/30min	Hard/Ca:	360mg/l	Oil(%):		YP	29lb/100ft²
Weight:	1.33sg	HTHP-cake:	2/32nd"	MBT:	7.5	Sand:	0.5	Gels 10s	13
Temp:	25C°			PM:	0.1	pH:	9.5	Gels 10m	22
				PF:	0.1	PHPA:	2ppb	Fann 003	11
Comment								Fann 006	13
								Fann 100	25
								Fann 200	36
								Fann 300	45
								Fann 600	61

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
DRILL WATER	MT	0	0	0	33.0	
Rig Fuel	m3	0	0	0	174.0	
POTABLE WATER	MT	0	0	0	159.0	
Cement Class G	MT	0	0	0	90.0	
Bentonite	MT	0	0	0	51.0	
Barite	MT	0	0	0	58.0	

Pumps																	
Pump Data - Last 24 Hrs								Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)	
1	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
2	National 14 P-220	6.50	1.32	97				2464.0	30	400	176	40	480	234	50	600	293
3	National 14 P-220	6.50	1.32	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	127.76m / 127.76m	Pumped 150 bbls "G" cement slurry at 15.80 ppg with 3% Calcium chloride.
13.38	/ 2.08sg	746.53m / 746.53m	Lead cement slurry 377 bbls "G" at 12.5 ppg, followed by tail slurry of 63 bbls "G" at 15.80 ppg.

Personnel On Board	
Company	Pax
ADA	5
Seadrill	12
Seadrill Services.	49
Catering	9
Halliburton	1
Baker Hughes Inteq	2
Halliburton	1
Tamboritha	3
Q Tech	1
Cameron	1



Personnel On Board	
Weatherford	3
Total	87

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/James Munford			
Available	0.0bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active Mixing		Downhole Surf+ Equip	0.0bbl				Transfer 840bbl to Pacific Battler
Hole Slug Reserve Kill		Dumped De-Gasser De-Sander De-Sifter Centrifuge					

Marine							
Weather on 19 Jun 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	310.0deg	1013.0mbar	12C°	0.2m	110.0deg	2s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
111.4deg		2000.00klb	1.3m	110.0deg	8s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler			At Rig	Rig Fuel	m3		360
				Potable Water	Mt		445
				Drill Water	Mt		375
				CEMENT G	Mt		32
				Barite	Mt		108
				Bentonite	Mt		24
				MUD	m3		840
					m3		0
Pacific Valkyrie			At Rig	Rig Fuel	m3		625.1
				Potable Water	Mt		420
				Drill Water	m3		729
				CEMENT G	Mt		43
				Barite	Mt		42.5
				Bentonite	Mt		34.8

APPENDIX 3: WELL LOCATION SURVEY



**REPORT FOR THE WEST TRITON RIG
MOVE TO THE GARFISH-1 LOCATION**

FUGRO BTW JOB NO. – 07066

Client : AUSTRALIAN DRILLING ASSOCIATES PTY LTD

Date of Project : 23 May to 29 May 2008

0	Final			
Rev	Description	Checked	Approved	Date

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CONTENTS

		PAGE NO.
1.0	EXECUTIVE SUMMARY	1
2.0	INTRODUCTION	2
2.1	Scope of Work	2
2.2	Sequence of Events	2
3.0	RESULTS	4
3.1	Final Position	4
3.2	Rig Heading	4
3.3	Height	5
4.0	SAFETY	5
5.0	GEODETTIC PARAMETERS	6
5.1	Datum and Projection	6
6.0	DIFFERENTIAL GPS REFERENCE STATIONS	7
7.0	PROJECT COORDINATES AND TOLERANCES	7
8.0	PERSONNEL	7
8.1	Personnel Listing	7
9.0	VESSELS	7
10.0	CONCLUSIONS AND RECOMMENDATIONS	7
11.0	DISTRIBUTION	7

FIGURES

FIGURE 1 : GARFISH-1 GENERAL LOCATION DIAGRAM.....	3
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TABLES

TABLE 2-1 : FINAL COORDINATES AND HEADING	1
TABLE 3-1 : GEOGRAPHICAL POSITIONS	4
TABLE 3-2 : GRID COORDINATES	4
TABLE 3-3 : FINAL HEADING.....	4
TABLE 3-4 : FINAL HEIGHT.....	5
TABLE 5-1 : TRANSFORMATION PARAMETERS.....	6
TABLE 6-1 : GPS REFERENCE STATIONS	7
TABLE 7-1 : PROJECT DESIGN COORDINATES.....	7

APPENDICES

APPENDIX A - DAILY OPERATIONS REPORTS
APPENDIX B - FINAL POSITIONING DATA
APPENDIX C - CALIBRATIONS
APPENDIX D - VESSEL OFFSET DIAGRAM
APPENDIX E - CLIENT SUPPLIED DATA

1.0 EXECUTIVE SUMMARY

Between the 23 May and 29 May 2008 Fugro BTW Limited (Fugro) provided equipment and personnel for the Jack Up Mobile Offshore Drilling Unit (MODU) West Triton, rig move from West Seahorse-3 to the Garfish-1 location.

Surface positioning was achieved utilising Fugro's Starfix Differential GPS (DGPS) interfaced to Fugro's SEIS navigation software.

The final position derived from DGPS observations of the West Triton Drill stem at the Garfish-1 location is:

Location Name: Garfish-1	West Triton : Drill Stem
MGA94, UTM Zone 55 S	
Easting	610001.323 m
Northing	5781172.451 m
GDA94-ITRF(2008.50)	
Latitude	38° 06' 38.0838" S
Longitude	148° 15' 17.1466" E
Rig Heading (True)	111.02°T
Height above Australian Height Datum (AHD)	
Rotary Table (RT)	40.347 m

TABLE 2-1 : FINAL COORDINATES AND HEADING

This position is 4.42 m at a bearing of 302.91° True FROM the proposed Garfish-1 location.

All coordinates in this report are quoted in terms of Geocentric Datum of Australia 1994 (GDA94) and Map Grid of Australia 1994, UTM Zone 55 S (MGA94) projection unless otherwise stated.

2.0 INTRODUCTION

Fugro BTW Ltd (Fugro) was contracted by Australian Drilling Associates Pty Ltd (ADA) to provide navigation and positioning survey services onboard the Jack Up Rig (JUR) West Triton, during the rig move to the Garfish-1 location in Bass Strait, Australia.

A general location diagram is shown in Figure 1-1.

This report details the equipment used survey parameters adopted, procedures employed and the results achieved. A section on safety is included in Section 4.0 of this report.

2.1 Scope of Work

Personnel and equipment were provided on a 24 hour per day basis for:

- Final rig surface positioning at the Garfish-1 location using DGPS observations.
- Final reporting of the positioning results.

2.2 Sequence of Events

On 23 May E. Todd and C. Tidey proceeded to the Bristow Heliport base, and departed for the *West Triton* arriving onboard at 1150. At 1410 on 23 May 2008 the navigation systems and telemetry links were confirmed as fully operational between the *West Triton* and AHVs. The tow to Garfish-1 commenced at 2200 on 25 May 2008. The rig was positioned and the final fix undertaken on 27 to 28 May 2008 after preloading and jacking operations had been completed. Fugro Personnel departed the rig on 28 May. On 29 April 2008 Fugro personnel arrived back in New Plymouth.

Further details of Fugro's involvement in the rig move are presented in the daily operations reports included in **Appendix A**.



FIGURE 1 : GARFISH-1 GENERAL LOCATION DIAGRAM

3.0 RESULTS

3.1 Final Position

The final position of the West Triton drill stem at Garfish-1 was established by calculating the mean position from 12 hours 21 minutes of DGPS data logged between 1800 and 0621 on 28 May 2008. During this period, calculated drill stem coordinates from the primary positioning system were logged and the data used to calculate the final position.

The Geocentric Datum of Australia 1994 geographical position for the West Triton drill stem at the Garfish-1 location is shown in Table 3-1.

Geocentric Datum of Australia 1994, ITRF2008.50			
Position	Method	Latitude	Longitude
West Triton Drill Stem	DGPS	38° 06' 38.0838" S	148° 15' 17.1466" E
Client Supplied Design for Garfish-1		38° 06' 38.1617" S	148° 15' 17.2989" E

TABLE 3-1 : GEOGRAPHICAL POSITIONS

Map Grid of Australia 1994 grid coordinates (UTM Zone 55 S, CM 147 E) for the West Triton drill stem at the Garfish-1 location are shown in Table 3-2.

Map Grid of Australia 1994, UTM Zone 55 S			
Position	Method	Easting	Northing
West Triton Drill Stem	DGPS	610001.323 m	5781172.451 m
Client Supplied Design for Garfish-1		610005.000 m	5781170.000 m

TABLE 3-2 : GRID COORDINATES

The position is **4.42 m** at a bearing of **302.91°** True (303.68° G) from the design location.

A copy of the original rig position field report is contained in Appendix B.

3.2 Rig Heading

Gyro calibration's were undertaken prior to undertaking the rig move at the West Seahorse-3 location by sun azimuth to compute the C-O correction.

A copy of the Gyro calibration reports are shown in Appendix C.

The West Triton's heading at Garfish-1 is shown in Table 3-3.

Description	Method	True	Grid
West Triton heading at Garfish-1	GYRO	111.02°	111.79°
Client Supplied Design heading		108.00°	108.77°

TABLE 3-3 : FINAL HEADING

3.3 Height

The *West Triton* Rotary Table's (RT) height above Australian Height Datum (AHD) was determined from logging 19 hours 52 minutes of carrier phase GPS data between 0217 and 2209 on 27 May 2008. During this period, antenna heights from the primary positioning system were logged and the data used to calculate the final height of the RT.

The *West Triton's* Rotary Table height is shown in Table 3-4.

Description	Method	Height above AHD
West Triton Rotary Table at Garfish-1	Carrier Phase GPS	40.347 m

TABLE 3-4 : FINAL HEIGHT

4.0 SAFETY

All work undertaken by Fugro personnel during the project was performed within the guidelines of Fugro's Safety policy, as defined in Fugro's Safety Manual (SMS – P01) and Offshore Survey Practices (SMS SP26).

Fugro personnel worked within all project safety guidelines and plans adopted by Seadrill and ADA.

No safety incidents involving Fugro personnel were reported during the project.

Fugro personnel attended a vessel induction, daily meetings, an emergency muster and pre-rig move meeting whilst onboard.

5.0 GEODETIC PARAMETERS

5.1 Datum and Projection

All coordinates are referenced to the Geocentric Datum of Australia 1994 (GDA94) unless otherwise noted. The Global Positioning System (GPS) operates on the World Geodetic System 1984 (WGS84) datum. Fugro's Differential GPS Reference Stations are currently defined in the International Terrestrial Reference Frame 2000 (ITRF2000 Epoch 2008.50) datum. Due to the continual refinement of the WGS84 reference frame, for all cases, the transformation parameters indicate that the WGS84 and ITRF2000 reference frames are essentially identical.

Datum : **World Geodetic System 1984 (WGS84)**
 Reference Spheroid : World Geodetic System 1984
 Semi Major Axis : 6378137.000m
 Inverse flattening : 298.257223563

Datum : **Geocentric Datum of Australia 1994 (GDA94)**
 Reference Spheroid : Geodetic Reference System 1980 (GRS80)
 Semi Major Axis : 6378137.000m
 Inverse flattening : 298.257222101

The following seven parameter datum transformation was used in Fugro's software, to transform WGS84 (ITRF2000 Epoch 2008.50) coordinates to GDA94 coordinates. These parameters are calculated from the 14 parameter transformation defined by Geoscience Australia. Fugro follows the Coordinate Frame Rotation convention (as defined by UKOOA) for datum transformations.

Transformation Parameters from WGS84 (ITRF2000 Epoch 2008.50) to GDA94			
dX	+0.0174m	rX	+0.017554"
dY	-0.0484m	rY	+0.015065"
dZ	-0.1035m	rZ	+0.018157"
dS	+0.003362ppm		

TABLE 5-1 : TRANSFORMATION PARAMETERS

No transformation is needed in order to compute between WGS84 to GRS80.

Well grid coordinates are referenced to the Map Grid of Australia.

Grid : **Map Grid of Australia 1994 (MGA94)**
 Projection : Universal Transverse Mercator (UTM)
 Latitude of Origin : 0°
 Central Meridian : 147° E (UTM Zone 55)
 Central Scale Factor : 0.9996
 False Easting : 500000m
 False Northing : 10000000m
 Units : Metres

6.0 DIFFERENTIAL GPS REFERENCE STATIONS

Fugro's Differential GPS Reference Stations are currently defined in the ITRF2008.50 datum and shown in Table 6-1

Datum: ITRF 2000 Epoch 2008.50 Reference Ellipsoid: GRS80					
Station	Station ID	Latitude	Longitude	Height (m)	Uplink
Bathurst	336	33° 25' 46.87757"	149° 34' 01.97016"	756.670	OCSat / APSat
Brisbane	275	27° 28' 38.48593"	153° 01' 37.35303"	93.155	OCSat
Ceduna	355	32° 07' 03.04719"	133° 41' 22.85207"	7.280	OCSat
Cobar	316	31° 29' 57.42962"	145° 50' 20.34599"	270.176	OCSat / APSat
Melbourne	385	37° 47' 59.26402"	144° 57' 39.31144"	67.338	OCSat / APSat

TABLE 6-1 : GPS REFERENCE STATIONS

7.0 PROJECT COORDINATES AND TOLERANCES

Project target coordinates supplied by the client and surface tolerances for the West Triton Drill Stem at the Garfish-1 location are shown in Table 7.1

Map Grid of Australia 1994, UTM Zone 55 S			
Location	Easting (m)	Northing (m)	Tolerance
West Triton at Garfish-1	610005.000	5781170.000	±10 m

TABLE 7-1 : PROJECT DESIGN COORDINATES

8.0 PERSONNEL

8.1 Personnel Listing

E. Todd	Surveyor in Charge	23 May 2008 – 29 May 2008
C. Tidey	Surveyor	23 May 2008 – 29 May 2008

9.0 VESSELS

The vessels used for towing the West Triton were the Anchor Handling vessels *MV Pacific Battler* and *MV Pacific Valkyrie* the harbour tug *Sirius Cove*. Refer to Appendix D for the offset diagram of the West Triton.

10.0 CONCLUSIONS AND RECOMMENDATIONS

On reviewing the rig move and positioning operations undertaken by Fugro the *West Triton* was successfully positioned at the Garfish-1 location.

11.0 DISTRIBUTION

Australian Drilling Associates Pty Ltd	: 1 electronic copy
Fugro BTW Ltd	: 1 paper copy : 1 electronic copy

APPENDIX A
Daily Operations Reports

**Fugro-BTW
PM-F50
DAILY OPERATIONS REPORT**



CLIENT: ADA PTY LTD		LOCATION: BASS STRAIT, AUSTRALIA		DATE: 23/05/08	
PROJECT: RIG MOVE TO GARFISH-1		VESSEL: WEST TRITON		JOB NO: 07066	
FROM	TO	SUMMARY OF OPERATIONS			
0800	1045	C. Tidey and E. Todd check in at Essendon Airport and attend helicopter briefing.			
0900	0915	Undertake JHA005: Rig Move.			
1045	1150	C. Tidey and E. Todd fly to West Triton.			
1150	1300	Arrive at West Triton.			
1300	1416	C. Tidey attends West Triton Vessel induction.			
1400	1410	Advised that site is now called "Garfish-1" with the same coordinates as for "Upper Longtom-1".			
1410	1900	Navigation system operational on West Triton. Organising navigation setup.			
1830	1840	E. Todd attends Daily Meeting.			
1900	2359	On standby.			
HSE DETAILS					
Emergency Muster	0				
Incidents	0				
Safety Drills Fire/Abandon	0				
Safety Notices Received	0				
Vessel inductions	1	West Triton Vessel Induction			
Toolbox Meetings	1	Daily Meeting			
Hazard Cards Submitted	0				
JHA's	1	Rig Move			
HSE / Project Meetings	0				
EQUIPMENT RIG	NO.	EQUIPMENT REMOTE	NO.	PERSONNEL	TITLE
Starfix Seis	2	Starfix Wombat (remote)	2	E. Todd	Party Chief / Surveyor
Starfix HP DGPS	3	Fluxgate Compass	3	C. Tidey	Surveyor
Radio Modem	2	Radio Modem	2		
UPS	2	Starfix HP DGPS	2		
Theodolite	1				
SG Brown Gyro	1				
VEHICLES:					
CONSUMABLES:					
ACCOMMODATION:					
AUTHORISED CONTRACT CHANGES / COMMENTS:					
Party Chief Signature:		Client Representative Signature:		D O R Number	
<i>E. Todd</i>		<i>[Signature]</i>		07066-01	

**Fugro-BTW
PM-F50
DAILY OPERATIONS REPORT**



CLIENT: ADA PTY LTD		LOCATION: BASS STRAIT, AUSTRALIA		DATE: 24/05/08	
PROJECT: RIG MOVE TO GARFISH-1		VESSEL: WEST TRITON		JOB NO: 07066	
FROM	TO	SUMMARY OF OPERATIONS			
0001	0700	On standby.			
0700	0710	E. Todd attends Daily Meeting.			
0756	0907	Undertake gyro calibration by sun azimuth. Gyro 1 C-O: -24.96°, gyro 2 C-O: -26.63 °.			
0907	1215	Start COP logging for pre-move DGPS check.			
1215	1830	Stop logging. Finalising pre-move checks.			
1300	1330	C. Tidey and E. Todd attend Weekly Safety Meeting.			
1830	1930	C. Tidey and E. Todd attend Rig Move Meeting.			
HSE DETAILS					
Emergency Muster	0				
Incidents	0				
Safety Drills Fire/Abandon	0				
Safety Notices Received	0				
Vessel inductions	0				
Toolbox Meetings	1	Daily Meeting			
Hazard Cards Submitted	0				
JHA's	0				
HSE / Project Meetings	2	Weekly Safety Meeting and Rig Move Meeting			
EQUIPMENT RIG	NO.	EQUIPMENT REMOTE	NO.	PERSONNEL	TITLE
Starfix Seis	2	Starfix Wombat (remote)	2	E. Todd	Party Chief / Surveyor
Starfix HP DGPS	3	Fluxgate Compass	3	C. Tidey	Surveyor
Radio Modem	2	Radio Modem	2		
UPS	2	Starfix HP DGPS	2		
Theodolite	1				
SG Brown Gyro	1				
VEHICLES:					
CONSUMABLES:					
ACCOMMODATION:					
AUTHORISED CONTRACT CHANGES / COMMENTS:					
Party Chief Signature:		Client Representative Signature:		D O R Number	
				07066-02	

Fugro-BTW
PM-F50
DAILY OPERATIONS REPORT



CLIENT: ADA PTY LTD		LOCATION: BASS STRAIT, AUSTRALIA		DATE: 25/05/08	
PROJECT: RIG MOVE TO GARFISH-1		VESSEL: WEST TRITON		JOB NO: 07066	
FROM	TO	SUMMARY OF OPERATIONS			
0001	0700	On standby.			
0700	0710	E. Todd attends Daily Meeting.			
0710	1250	Getting nav systems operational on Pacific Battler and Pacific Valkyrie.			
0950	1010	C. Tidey and E. Todd attend Lifeboat Muster Drill.			
1250	1428	On standby for commencement of move.			
1428	1430	Pacific Battler connected to main tow bridle.			
1430	1830	Continue standby for move.			
1830	1845	C. Tidey attends Daily Meeting.			
1845	1945	Continue standby for move.			
1945	2115	Commence jacking down.			
2058		Start logging for tow, file: 200805251058. New file every 4hrs.			
2115	2140	Sirius Cove connected to starboard aft tow bridle.			
2140	2148	Pacific Valkyrie connected to port aft tow bridle.			
2148	2200	Continue jacking down to floating.			
2200	2359	Begin tow to Garfish-1.			
2230		Statement of facts called at 1km from West Seahorse-3 location.			
HSE DETAILS					
Emergency Muster	0				
Incidents	0				
Safety Drills Fire/Abandon	1	Lifeboat Muster Drill			
Safety Notices Received	0				
Vessel inductions	0				
Toolbox Meetings	2	Daily Meeting			
Hazard Cards Submitted	0				
JHA's	0				
HSE / Project Meetings	0				
EQUIPMENT RIG	NO.	EQUIPMENT REMOTE	NO.	PERSONNEL	TITLE
Starfix Seis	2	Starfix Wombat (remote)	2	E. Todd	Party Chief / Surveyor
Starfix HP DGPS	3	Fluxgate Compass	3	C. Tidey	Surveyor
Radio Modem	2	Radio Modem	2		
UPS	2	Starfix HP DGPS	2		
Theodolite	1				
SG Brown Gyro	1				
VEHICLES:					
CONSUMABLES:					
ACCOMMODATION:					
AUTHORISED CONTRACT CHANGES / COMMENTS:					
Party Chief Signature:		Client Representative Signature:		D O R Number	
				07066-03	

Fugro-BTW
PM-F50
DAILY OPERATIONS REPORT



CLIENT: ADA PTY LTD		LOCATION: BASS STRAIT, AUSTRALIA		DATE: 26/05/08	
PROJECT: RIG MOVE TO GARFISH-1		VESSEL: WEST TRITON		JOB NO: 07066	
FROM	TO	SUMMARY OF OPERATIONS			
0001	1140	Continue tow to Garfish-1.			
0630	1140	Commence jacking down of legs.			
0700	0715	E. Todd attends Daily Meeting.			
1140		On Location.			
1200	1400	Start logging pre-spud report.			
1230	1235	Sirius Cove released from starboard aft tow bridle.			
1235	1400	Pacific Valkyrie released from port aft tow bridle.			
1400	1430	Finish logging pre-spud report. Prepare report.			
1430	2359	On standby for rig to be fully jacked up to undertake final positioning and heighting.			
1830	1845	E. Todd attends Daily Meeting.			
HSE DETAILS					
Emergency Muster	0				
Incidents	0				
Safety Drills Fire/Abandon	0				
Safety Notices Received	0				
Vessel inductions	0				
Toolbox Meetings	2	Daily Meeting			
Hazard Cards Submitted	0				
JHA's	0				
HSE / Project Meetings	0				
EQUIPMENT RIG	NO.	EQUIPMENT REMOTE	NO.	PERSONNEL	TITLE
Starfix Seis	2	Starfix Wombat (remote)	2	E. Todd	Party Chief / Surveyor
Starfix HP DGPS	3	Fluxgate Compass	3	C. Tidey	Surveyor
Radio Modem	2	Radio Modem	2		
UPS	2	Starfix HP DGPS	2		
Theodolite	1				
SG Brown Gyro	1				
VEHICLES:					
CONSUMABLES:					
ACCOMMODATION:					
AUTHORISED CONTRACT CHANGES / COMMENTS:					
Party Chief Signature:		Client Representative Signature:		D O R Number	
				07066-04	

Fugro-BTW
PM-F50
DAILY OPERATIONS REPORT



CLIENT: ADA PTY LTD		LOCATION: BASS STRAIT, AUSTRALIA		DATE: 27/05/08	
PROJECT: RIG MOVE TO GARFISH-1		VESSEL: WEST TRITON		JOB NO: 07066	
FROM	TO	SUMMARY OF OPERATIONS			
0001	1126	On standby for rig to be fully jacked up to undertake final positioning and heighting.			
0700	0710	C. Tidey attends Daily Meeting.			
1126	1140	Jacking up complete.			
1140	1216	Pacific Battler released from centre tow bridle.			
1216	1605	Start logging COP, RINEX and Final Fix data.			
1605	1630	Final Fix logging stopped due to run-time error.			
1630	1800	Gyro 1 heading wandering – affecting Final Fix. Switch to Gyro 2.			
1800	2359	Start logging Final Fix.			
1630	1650	E. Todd attends Daily Meeting.			
HSE DETAILS					
Emergency Muster	0				
Incidents	0				
Safety Drills Fire/Abandon	0				
Safety Notices Received	0				
Vessel inductions	0				
Toolbox Meetings	2	Daily Meeting			
Hazard Cards Submitted	0				
JHA's	0				
HSE / Project Meetings	0				
EQUIPMENT RIG	NO.	EQUIPMENT REMOTE	NO.	PERSONNEL	TITLE
Starfix Seis	2	Starfix Wombat (remote)	2	E. Todd	Party Chief / Surveyor
Starfix HP DGPS	3	Fluxgate Compass	3	C. Tidey	Surveyor
Radio Modem	2	Radio Modem	2		
UPS	2	Starfix HP DGPS	2		
Theodolite	1				
SG Brown Gyro	1				
VEHICLES:					
CONSUMABLES:					
ACCOMMODATION:					
AUTHORISED CONTRACT CHANGES / COMMENTS:					
Party Chief Signature:		Client Representative Signature:		D O R Number	
				07066-05	



CLIENT: ADA PTY LTD		LOCATION: BASS STRAIT, AUSTRALIA		DATE: 28/05/08	
PROJECT: RIG MOVE TO GARFISH-1		VESSEL: WEST TRITON		JOB NO: 07066	
FROM	TO	SUMMARY OF OPERATIONS			
0001	0622	Continue logging COP, RINEX and Final Fix.			
0622	0900	Stop logging COP, RINEX and Final Fix. Prepare Preliminary Heighting and Final Fix reports.			
0700	0710	E. Todd attends Daily Meeting.			
0900	0920	C. Tidey and E. Todd attend helicopter safety briefing.			
1020	1230	C. Tidey and E. Todd fly to Essendon airport and travel to Melbourne airport.			
1830	2359	C. Tidey and E. Todd fly from Melbourne to Auckland.			
HSE DETAILS					
Emergency Muster	0				
Incidents	0				
Safety Drills Fire/Abandon	0				
Safety Notices Received	0				
Vessel inductions	0				
Toolbox Meetings	1	Daily Meeting			
Hazard Cards Submitted	0				
JHA's	0				
HSE / Project Meetings	0				
EQUIPMENT RIG	NO.	EQUIPMENT REMOTE	NO.	PERSONNEL	TITLE
Starfix Seis	2	Starfix Wombat (remote)	2	E. Todd	Party Chief / Surveyor
Starfix HP DGPS	3	Fluxgate Compass	3	C. Tidey	Surveyor
Radio Modem	2	Radio Modem	2		
UPS	2	Starfix HP DGPS	2		
Theodolite	1				
SG Brown Gyro	1				
VEHICLES:					
CONSUMABLES:					
ACCOMMODATION:					
AUTHORISED CONTRACT CHANGES / COMMENTS:					
Party Chief Signature:		Client Representative Signature:		D O R Number	
				07066-06	

APPENDIX B
Final Positioning Data



Starfix Final Fix Report



Fugro Job Number 07066
 Job Name West Triton Rig Move
 Fugro Personnel E. Todd, C. Tidey
 Client Name ADA
 Client Representative B. Openshaw
 Sampling Started 27 May 2008 8:00:32 AM UTC
 Sampling Ended 27 May 2008 8:21:40 PM UTC
 Comment Final Fix Report

Intended Offset / Well Location

Geodetic Datum GDA94-ITRF2008.50
 Latitude 38°06'38.1617"S
 Longitude 148°15'17.2989"E
 Projection Transverse Mercator (UTM) Zone: 55
 Easting 610005.000 m
 Northing 5781170.000 m
 Intended Rig Heading 108.00 °T

Final DGPS Position Fix Summary for West Triton At Garfish-1

DS computed from Port OCSAT.GGA (Primary)

DS Offset From CRP

Starboard 0.000 m
 Forward 0.000 m
 Up 0.000 m
 Geodetic Datum GDA94-ITRF2008.50
 Latitude 38°06'38.0838"S
 Longitude 148°15'17.1466"E
 Projection Transverse Mercator (UTM) Zone: 55
 Easting 610001.323 m
 Northing 5781172.451 m

Final Rig Heading 111.02 °T (Convergence 0.77° Australia/New Zealand)
 Gyro C-O -26.63 °
 Position is 4.42 m @ 302.91 °T (303.68 °G) FROM intended location

DS computed from Stbd APSAT.GGA (Secondary)

Geodetic Datum GDA94-ITRF2008.50
 Latitude 38°06'38.0884"S
 Longitude 148°15'17.1518"E
 Projection Transverse Mercator (UTM) Zone: 55
 Easting 610001.450 m
 Northing 5781172.307 m

Position is 4.23 m @ 302.24 °T (303.02 °G) FROM intended location

Positioning System Comparison (System 2 minus System 1)

Delta Easting 0.127 m
 Delta Northing -0.144 m

Party Chief: E. Todd

Client Representative: B. Openshaw



Field Report Two
Date: 30 April 08

Final Rotary Table Heighting
Garfish-1

07066

The height of the *West Triton* Rotary Table (RT) above Australian Height Datum (AHD) at Garfish-1 was determined from 19 hours 52 minutes of carrier phase GPS data logged between 0217 and 2209 on 27 May 2008 (UTC). During this period, antenna heights from the primary positioning system were logged and the data used to calculate the height of the RT.

The *West Triton's* Rotary Table height is shown in Table 1.

Description	Method	Height above AHD
West Triton Rotary Table at Garfish-1	Carrier Phase GPS	40.347m

TABLE 1

A handwritten signature in cursive script, appearing to read "E. Todd".

E. Todd
Party Chief / Surveyor
Fugro BTW Ltd

Date: 30 April 2008

APPENDIX C
Calibrations

Rig Move Parameters



Project Details

Fugro Job Number:	07066	Drilling Rig :	West Triton
Job Description:	Rig Move from West Seahorse-3 to Garfish-1	Company Man	B. Openshaw
Client:	Australian Drilling Associates Pty Ltd	Surveyor:	E. Todd
Client Representative	N/A	Time Zone :	10hrs
Date :	May 23, 2008		

Proposed Location

Name	Garfish-1
Easting	610005.00
Northing	5781170.00
Latitude (φ)	-038° 06' 38.16" S
Longitude (λ)	148° 15' 17.30" E
Heading (True)	108 °
Water Depth (m)	55.40 m
Final Fairlead depths(m)	N/A

Current Location

Name	West Seahorse-3
Easting	554229.36
Northing	5771044.14
Latitude (φ)	-038° 12' 24.94" S
Longitude (λ)	147° 37' 9.86" E
Heading (True)	138 °
Water Depth (m)	39.10 m

NB: Skid out distance 14.7ft = 4.481m at Garfish-1

Antenna Offsets (From CRP relative to Rig Heading)

NAV1 ANTENNA	Offset(X)	-13.70 m
	Offset(Y)	94.88 m
NAV2 ANTENNA	Offset(X)	13.62 m
	Offset(Y)	94.89 m

Geodesy (Proposed)

GPS DATUM	Name	WGS84	Read Comment !
	Semi-Major Axis	6378137.00	
	Inverse Flattening	298.257223563	
LOCAL DATUM	Name	GRS80	
	Datum	GDA94-ITRF2008.50	
	Semi-Major Axis	6378137.00	
	Inverse Flattening	298.2572221	
TRANSFORMATION PARAMETERS (GPS ==> LOCAL)			
	Dx	0.01740 m	
	Dy	-0.04840 m	
	Dz	-0.10350 m	
	Rx	0.01755 "	
	Ry	0.01507 "	
	Rz	0.01816 "	
	Ds	0.00336 ppm	
UTM PROJECTION PARAMETERS			
	Name	Transverse Mercator (UTM)	
	Central Meridian	147 °	
	Zone	55	
	Central Scale Factor	0.9996	
	False Easting	500000	
	False Northing	10000000	

Geodesy (Current)

	Name	WGS84	Read Comment !
	Semi-Major Axis	6378137.00	
	Inverse Flattening	298.257223563	
	Name	GRS80	
	Datum	GDA94 (ITRF-2008.50)	
	Semi-Major Axis	6378137.00	
	Inverse Flattening	298.257222101	
	Dx	0.01740 m	
	Dy	-0.04840 m	
	Dz	-0.10350 m	
	Rx	0.01755 "	
	Ry	0.01507 "	
	Rz	0.01816 "	
	Ds	0.00336 ppm	
	Name	Transverse Mercator (UTM)	
	Central Meridian	147 °	
	Zone	55	
	Central Scale Factor	0.9996	
	False Easting	500000	
	False Northing	10000000	

Surveyor in Charge

E. Todd

Company Man

B. Openshaw

RIG POSITIONING

DGPS CHECK LIST (PRE RIG MOVE)



Client : Australian Drilling Associates Pty Ltd

Job Number : 07066

Rig : West Triton

Date: 24-May-08

Project : Rig Move from West Seahorse-3 to Garfish-1

1) ESTABLISHED WELL COORDINATES

Horizontal Datum: GRS80

Observe 3 hours of DGPS data, logging both Primary and Secondary systems.

Establish a mean drill stem position from the primary navigation system and compare against the established well coordinates.

	Easting	Northing
Established Well Coordinates	554229.36	5771044.14
Observed Coordinates	554229.82	5771044.23
Differences	-0.46	-0.10

Ensure agreement OK(?) N

If No, Check and ensure that rig has not moved off location.

2) PRIMARY/SECONDARY NAV SYSTEMS

From the data logged above, compare the observed coordinates for both Primary and Secondary navigation systems.

	Easting	Northing
Primary Navigation	554229.82	5771044.23
Secondary Navigation	554229.86	5771044.09
Differences	-0.04	0.14

Ensure agreement OK(?) N

If No, Check antenna offsets and gyro calibration.

Party Chief/Surveyor:

E. Todd
E. Todd

Company Man :

B. Openshaw
B. Openshaw



GYRO COMPASS CALIBRATION BY SUN AZIMUTH - CALCULATION SUMMARY

Fugro Job Number: 07066 **Vessel:** West Triton
Job Description: Rig Move from West Seahorse-3 to Garfish-1 **Instrument:** Wild T2
Client: Australian Drilling Associates Pty Ltd **Serial No:** 252357
Surveyor: E. Todd & C. Tidey **Date:** May 23, 2008
Gyro Compass (Serial No): SG Brown No 1 **Time Zone :** 10hrs

Vessel Details
 Enter correction from RO to vessel centreline **D** 310° **M** 16' **S** 05" **Latitude (φ)** -38° **M** 12' **S** 27"
 Enter approximate WGS84 position of instrument: **Longitude (λ)** 147° **D** 147° **M** 37' **S** 13"

Observations

Obs. No.	Date	UTC	Instrument Position		Calculated Sun Azimuth at UTC			Observed Direction to Sun			Calc'd Vessel Hdg	Obs'd Vessel Hdg	Sun Semi Diameter	(C-O) Degrees
			Latitude (φ) DMS	Longitude (λ) DMS	DMS	Dec. Deg	Deg	Min	Sec	Dec. Deg				
1	23-May-08	22:12:34	-038° 12' 27.36"	147° 37' 12.64"	053° 52' 23.87"	53.873°	226° 46' 29	226.775	137.367°	162.33°	0.2636	-24.97°		
2	23-May-08	22:13:35	-038° 12' 27.36"	147° 37' 12.64"	053° 41' 45.96"	53.696°	226° 35' 19	226.589	137.376°	162.33°	0.2636	-24.96°		
3	23-May-08	22:14:17	-038° 12' 27.36"	147° 37' 12.64"	053° 34' 25.85"	53.574°	226° 28' 13	226.470	137.372°	162.33°	0.2636	-24.96°		
4	23-May-08	22:14:58	-038° 12' 27.36"	147° 37' 12.64"	053° 27' 15.52"	53.454°	226° 21' 06	226.352	137.371°	162.33°	0.2636	-24.96°		
5	23-May-08	22:16:18	-038° 12' 27.36"	147° 37' 12.64"	053° 13' 13.83"	53.221°	226° 06' 59	226.116	137.372°	162.33°	0.2636	-24.96°		
6	23-May-08	22:17:25	-038° 12' 27.36"	147° 37' 12.64"	053° 01' 26.85"	53.024°	225° 54' 58	225.916	137.376°	162.33°	0.2636	-24.96°		
7	23-May-08	22:18:03	-038° 12' 27.36"	147° 37' 12.64"	052° 54' 45.04"	52.913°	225° 48' 15	225.804	137.376°	162.33°	0.2636	-24.96°		
8	23-May-08	22:18:39	-038° 12' 27.36"	147° 37' 12.64"	052° 48' 23.82"	52.807°	225° 42' 06	225.702	137.373°	162.33°	0.2636	-24.96°		
9	23-May-08	22:19:11	-038° 12' 27.36"	147° 37' 12.64"	052° 42' 44.49"	52.712°	225° 36' 15	225.604	137.376°	162.33°	0.2636	-24.96°		
10	23-May-08	22:19:46	-038° 12' 27.36"	147° 37' 12.64"	052° 36' 32.85"	52.609°	225° 30' 0	225.500	137.377°	162.33°	0.2636	-24.96°		
11	23-May-08	22:20:18	-038° 12' 27.36"	147° 37' 12.64"	052° 30' 52.61"	52.515°	225° 24' 21	225.406	137.377°	162.33°	0.2636	-24.96°		
12	23-May-08	22:20:47	-038° 12' 27.36"	147° 37' 12.64"	052° 25' 43.88"	52.429°	225° 19' 15	225.321	137.376°	162.33°	0.2636	-24.96°		
13	23-May-08	22:21:19	-038° 12' 27.36"	147° 37' 12.64"	052° 20' 2.80"	52.334°	225° 13' 28	225.224	137.378°	162.33°	0.2636	-24.96°		
14	23-May-08	22:21:49	-038° 12' 27.36"	147° 37' 12.64"	052° 14' 42.64"	52.245°	225° 08' 03	225.134	137.379°	162.33°	0.2636	-24.95°		
15	23-May-08	22:22:27	-038° 12' 27.36"	147° 37' 12.64"	052° 07' 56.55"	52.132°	225° 01' 37	225.027	137.373°	162.33°	0.2636	-24.96°		
16	23-May-08	22:23:00	-038° 12' 27.36"	147° 37' 12.64"	052° 02' 3.38"	52.034°	224° 55' 18	224.922	137.381°	162.33°	0.2636	-24.95°		
17	23-May-08	22:23:37	-038° 12' 27.36"	147° 37' 12.64"	051° 55' 26.85"	51.924°	224° 48' 44	224.812	137.380°	162.33°	0.2636	-24.95°		
18	23-May-08	22:24:11	-038° 12' 27.36"	147° 37' 12.64"	051° 49' 21.94"	51.823°	224° 42' 46	224.713	137.378°	162.33°	0.2636	-24.95°		
19	23-May-08	22:24:56	-038° 12' 27.36"	147° 37' 12.64"	051° 41' 18.19"	51.688°	224° 34' 46	224.579	137.377°	162.33°	0.2636	-24.96°		
20	23-May-08	22:25:31	-038° 12' 27.36"	147° 37' 12.64"	051° 35' 1.33"	51.584°	224° 28' 32	224.476	137.376°	162.33°	0.2636	-24.96°		

-24.96 entered into Seis setup

Party Chief/Surveyor: E. Todd

Mean	-24.96°
Std. Deviation	0.003
Maximum	-24.95°
Minimum	-24.97°
Range	0.014



GYRO COMPASS CALIBRATION BY SUN AZIMUTH - CALCULATION SUMMARY

Fugro Job Number: 07066 **Vessel:** West Triton
Job Description: Rig Move from West Seahorse-3 to Garfish-1 **Instrument:** Wild T2
Client: Australian Drilling Associates Pty Ltd **Serial No:** 252357
Surveyor: E. Todd & C. Tildy **Date:** May 23, 2008
Gyro Compass (Serial No): SG Brown No 2 **Time Zone:** 10hrs

Vessel Details
Enter correction from RO to vessel centreline 310° 18' 05" **Enter approximate WGS84 position of instrument:** Latitude (φ) -38° 12' 27" S
Longitude (λ) 147° 37' 12.64" E

Observations

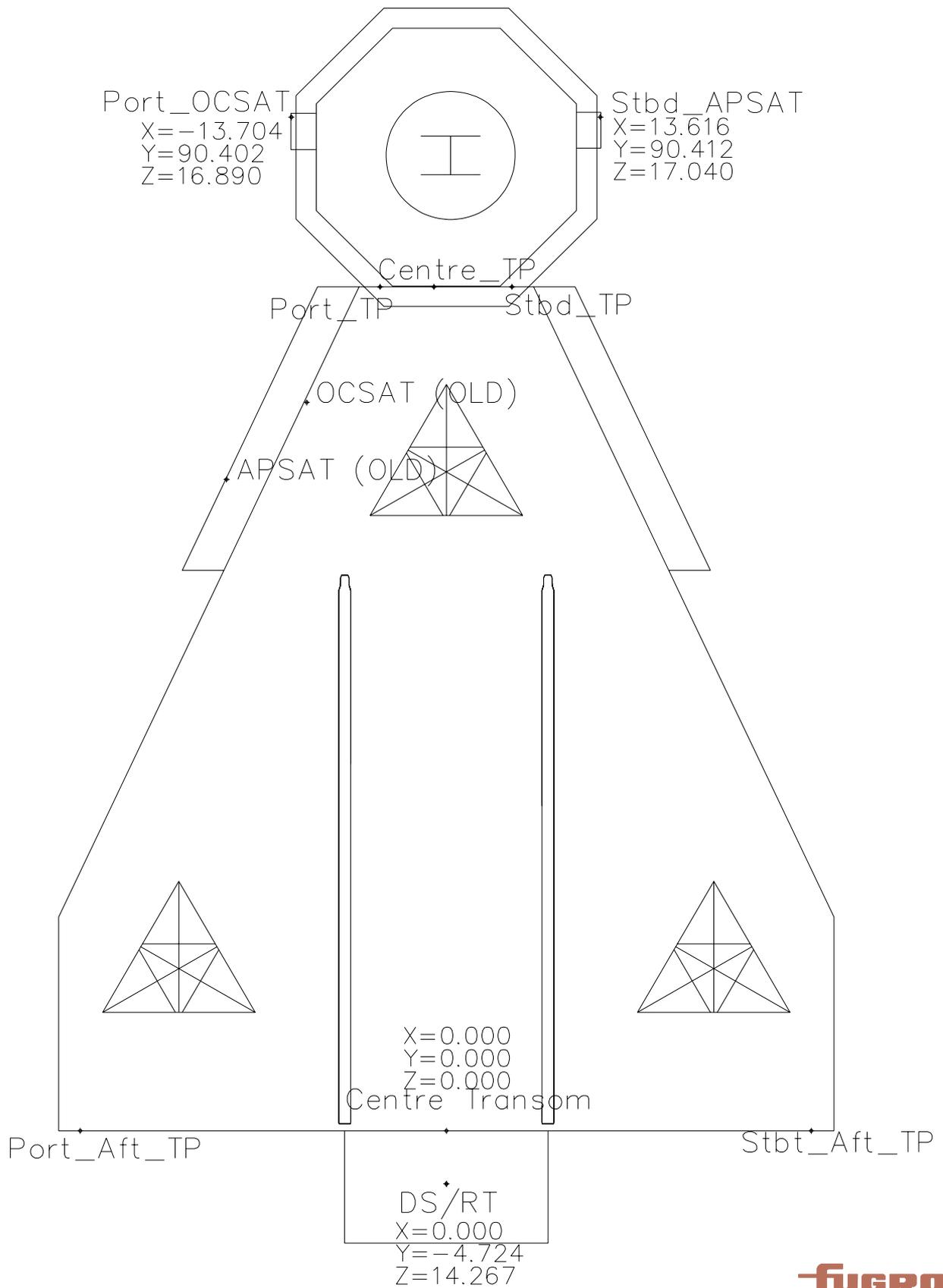
Obs. No.	Date	UTC	Instrument Position		Calculated Sun Azimuth at UTC			Observed Direction to Sun			Calcd Vessel Hdg	Obs'd Vessel Hdg	Sun Semi Diameter	(C-O) Degrees
			Latitude (φ)	Longitude (λ)	DMS	Dec. Deg	Dec. Deg	Min	Sec	Dec. Deg				
1	23-May-08	22:12:34	-038° 12' 27.36"	147° 37' 12.64"	053° 52' 23.87"	53.873°	226° 46' 29	226.775	137.367°	163.93°	0.2636	-26.47°		
2	23-May-08	22:13:35	-038° 12' 27.36"	147° 37' 12.64"	053° 41' 45.96"	53.696°	226° 35' 19	226.589	137.376°	163.50°	0.2636	-26.12°		
3	23-May-08	22:14:17	-038° 12' 27.36"	147° 37' 12.64"	053° 34' 25.85"	53.574°	226° 28' 13	226.470	137.372°	163.33°	0.2636	-25.96°		
4	23-May-08	22:14:58	-038° 12' 27.36"	147° 37' 12.64"	053° 27' 15.52"	53.454°	226° 21' 06	226.352	137.371°	163.33°	0.2636	-25.96°		
5	23-May-08	22:16:18	-038° 12' 27.36"	147° 37' 12.64"	053° 13' 13.93"	53.221°	226° 06' 59	226.116	137.372°	163.17°	0.2636	-25.79°		
6	23-May-08	22:17:25	-038° 12' 27.36"	147° 37' 12.64"	053° 01' 28.85"	53.024°	225° 54' 58	225.916	137.376°	163.00°	0.2636	-25.62°		
7	23-May-08	22:18:03	-038° 12' 27.36"	147° 37' 12.64"	052° 54' 45.04"	52.913°	225° 48' 15	225.804	137.376°	163.00°	0.2636	-25.62°		
8	23-May-08	22:18:39	-038° 12' 27.36"	147° 37' 12.64"	052° 48' 23.82"	52.807°	225° 42' 08	225.702	137.373°	162.83°	0.2636	-25.46°		
9	23-May-08	22:19:11	-038° 12' 27.36"	147° 37' 12.64"	052° 42' 44.49"	52.712°	225° 36' 15	225.604	137.376°	162.83°	0.2636	-25.46°		
10	23-May-08	22:19:46	-038° 12' 27.36"	147° 37' 12.64"	052° 36' 32.85"	52.609°	225° 30' 0	225.500	137.377°	162.83°	0.2636	-25.46°		
11	23-May-08	22:20:18	-038° 12' 27.36"	147° 37' 12.64"	052° 30' 52.61"	52.515°	225° 24' 21	225.406	137.377°	162.83°	0.2636	-25.46°		
12	23-May-08	22:20:47	-038° 12' 27.36"	147° 37' 12.64"	052° 25' 43.88"	52.429°	225° 19' 15	225.321	137.376°	162.83°	0.2636	-25.46°		
13	23-May-08	22:21:19	-038° 12' 27.36"	147° 37' 12.64"	052° 20' 2.60"	52.334°	225° 13' 28	225.224	137.378°	162.83°	0.2636	-25.46°		
14	23-May-08	22:21:49	-038° 12' 27.36"	147° 37' 12.64"	052° 14' 42.64"	52.245°	225° 08' 03	225.134	137.379°	162.83°	0.2636	-25.46°		
15	23-May-08	22:22:27	-038° 12' 27.36"	147° 37' 12.64"	052° 07' 56.55"	52.132°	225° 01' 37	225.027	137.373°	162.83°	0.2636	-25.46°		
16	23-May-08	22:23:00	-038° 12' 27.36"	147° 37' 12.64"	052° 02' 3.38"	52.034°	224° 55' 18	224.922	137.381°	162.83°	0.2636	-25.45°		
17	23-May-08	22:23:37	-038° 12' 27.36"	147° 37' 12.64"	051° 55' 26.85"	51.924°	224° 48' 44	224.812	137.380°	163.00°	0.2636	-25.62°		
18	23-May-08	22:24:11	-038° 12' 27.36"	147° 37' 12.64"	051° 49' 21.94"	51.823°	224° 42' 46	224.713	137.378°	163.00°	0.2636	-25.62°		
19	23-May-08	22:24:56	-038° 12' 27.36"	147° 37' 12.64"	051° 41' 18.19"	51.688°	224° 34' 46	224.579	137.377°	163.17°	0.2636	-25.79°		
20	23-May-08	22:25:31	-038° 12' 27.36"	147° 37' 12.64"	051° 35' 1.33"	51.584°	224° 28' 32	224.476	137.376°	163.17°	0.2636	-25.79°		
21	23-May-08	22:26:01	-038° 12' 27.36"	147° 37' 12.64"	048° 44' 45.57"	48.746°	221° 38' 20	221.639	137.375°	164.67°	0.2636	-27.29°		
22	23-May-08	22:26:31	-038° 12' 27.36"	147° 37' 12.64"	048° 37' 17.22"	48.621°	221° 31' 06	221.518	137.371°	164.83°	0.2636	-27.48°		
23	23-May-08	22:27:00	-038° 12' 27.36"	147° 37' 12.64"	048° 29' 59.35"	48.500°	221° 24' 03	221.401	137.367°	164.83°	0.2636	-27.47°		
24	23-May-08	22:27:30	-038° 12' 27.36"	147° 37' 12.64"	048° 20' 36.91"	48.344°	221° 14' 58	221.249	137.362°	164.83°	0.2636	-27.47°		
25	23-May-08	22:28:00	-038° 12' 27.36"	147° 37' 12.64"	048° 13' 51.22"	48.231°	221° 08' 05	221.135	137.364°	164.83°	0.2636	-27.47°		
26	23-May-08	22:28:30	-038° 12' 27.36"	147° 37' 12.64"	048° 06' 8.43"	48.102°	221° 00' 19	221.005	137.365°	164.83°	0.2636	-27.47°		
27	23-May-08	22:29:00	-038° 12' 27.36"	147° 37' 12.64"	047° 56' 20.32"	47.939°	220° 50' 28	220.841	137.366°	165.00°	0.2636	-27.63°		
28	23-May-08	22:29:30	-038° 12' 27.36"	147° 37' 12.64"	047° 49' 21.06"	47.823°	220° 43' 38	220.727	137.363°	165.00°	0.2636	-27.63°		
29	23-May-08	22:30:00	-038° 12' 27.36"	147° 37' 12.64"	047° 42' 32.50"	47.709°	220° 36' 39	220.611	137.366°	165.00°	0.2636	-27.63°		
30	23-May-08	22:30:30	-038° 12' 27.36"	147° 37' 12.64"	047° 33' 26.78"	47.557°	220° 27' 37	220.460	137.366°	165.00°	0.2636	-27.63°		
31	23-May-08	22:31:00	-038° 12' 27.36"	147° 37' 12.64"	047° 26' 48.15"	47.447°	220° 21' 24	220.357	137.358°	165.00°	0.2636	-27.64°		
32	23-May-08	22:31:30	-038° 12' 27.36"	147° 37' 12.64"	047° 20' 34.76"	47.342°	220° 14' 42	220.245	137.365°	165.00°	0.2636	-27.63°		
33	23-May-08	22:32:00	-038° 12' 27.36"	147° 37' 12.64"	047° 12' 54.92"	47.216°	220° 07' 16	220.121	137.362°	165.00°	0.2636	-27.64°		
34	23-May-08	22:32:30	-038° 12' 27.36"	147° 37' 12.64"	047° 07' 23.05"	47.123°	220° 01' 26	220.024	137.367°	165.00°	0.2636	-27.63°		
35	23-May-08	22:33:00	-038° 12' 27.36"	147° 37' 12.64"	047° 00' 42.08"	47.012°	219° 55' 09	219.919	137.361°	165.00°	0.2636	-27.64°		
36	23-May-08	22:33:30	-038° 12' 27.36"	147° 37' 12.64"	046° 51' 42.70"	46.862°	219° 48' 56	219.766	137.364°	165.00°	0.2636	-27.64°		
37	23-May-08	22:34:00	-038° 12' 27.36"	147° 37' 12.64"	046° 45' 11.83"	46.753°	219° 43' 16	219.654	137.367°	165.00°	0.2636	-27.63°		
38	23-May-08	22:34:30	-038° 12' 27.36"	147° 37' 12.64"	046° 38' 5.83"	46.635°	219° 37' 03	219.535	137.368°	165.00°	0.2636	-27.63°		
39	23-May-08	22:35:00	-038° 12' 27.36"	147° 37' 12.64"	046° 31' 10.89"	46.520°	219° 30' 03	219.417	137.370°	165.00°	0.2636	-27.63°		
40	23-May-08	22:35:30	-038° 12' 27.36"	147° 37' 12.64"	046° 23' 59.99"	46.382°	219° 17' 17	219.288	137.362°	165.17°	0.2636	-27.81°		

Mean -26.63°
Std. Deviation 0.990
Maximum -25.45°
Minimum -27.81°
Range 2.353

-26.63 entered into Sels setup (two sets of obs combined to account for 2 degree wander in gyro, observed SD is 0.008)

E. Todd

APPENDIX D
Vessel Offset Diagram



WEST TRITON VESSEL OFFSET DIAGRAM

APPENDIX E
Client Supplied Data

Table 6.1: Longtom Upper-1 Exploration Well Details

Parameter	Longtom Upper-1
Location	38° 06' 38.161"S
	148° 15' 17.298"E
	610,005.00 mE 5,781,170.00 mN
Water Depth	56 m
Type of Well	Vertical Exploration
Total Depth	2520 m
Drilling Unit Type	Jack-up (West Triton)
Fluid Type	36" / 17½" : Seawater+ Pre-hydrated Bentonite Sweeps (Returns to seabed) 8½" : KCl-Polymer (Closed Return System)
Primary Horizon	Chimaera
Secondary	Admiral
Expected Reservoir Fluids	Dry Gas
Final Status	Suspended (success-case) or Abandoned
Drilling Period (est)	31 Days
Timeframe	May – July 2008 Current Commencement: 1 June 2008

✓ GRS80
✓ GDA94 (TRF 2008.S)
CONFIRMED
24/05/08
J Todd
Malar

6.1 Drilling Program

A summary of the drilling program follows:

- Drill 36" hole to 135 mMDRT; returns to seabed with seawater + high viscosity sweeps;
- Set and cement 30" x 24" conductor with 30" x 3ksi low pressure marine wellhead;
- Drill 17½" hole to 800 mMDRT; returns to seabed with seawater + high viscosity sweeps;
- Set and cement 13¾" casing with 18¾" x 10ksi high pressure marine wellhead;
- Install 22" high pressure riser and surface BOP's. Pressure test;
- Drill 8½" hole to core point in the Admiral formation. Cut ~54m core;
- Drill 8½" hole to FTD;
- Log;
- Test (1 zone if Chimaera successful);
- Suspend (Success-case) or abandon

APPENDIX 4: CEMENTING FINAL REPORT

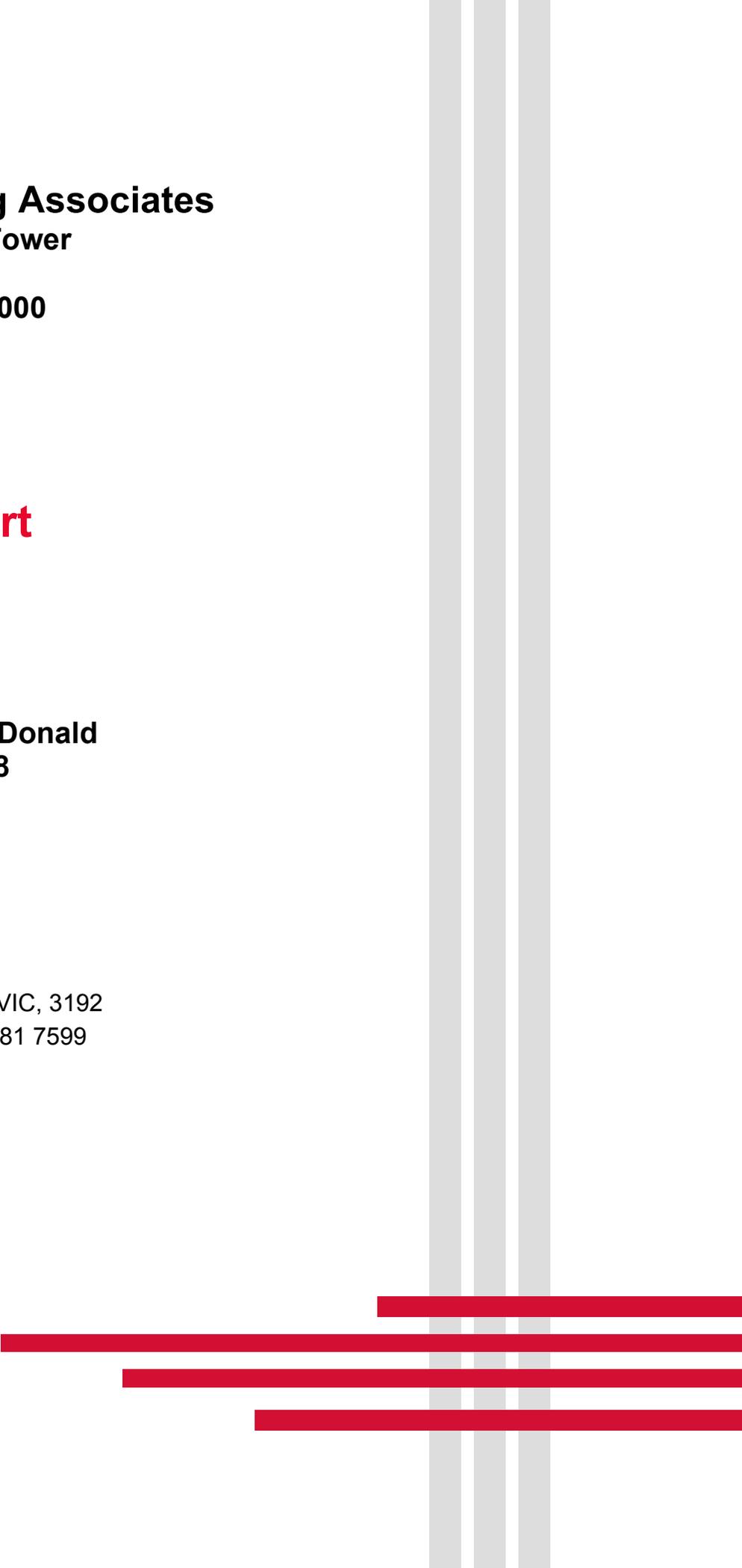
Australian Drilling Associates
Level 5, Rialto North Tower
525 Collins St
Melbourne, Victoria, 3000

Garfish-1
Post Job Report

Prepared for Carl MacDonald
Tuesday, 17 June 2008

Submitted by Dave Webb
Halliburton Australia Pty Ltd
90 Talinga Rd, Cheltenham, VIC, 3192
Ph: 03 9581 7536 Fax: 03 9581 7599

HALLIBURTON



90 Talinga Road
Cheltenham, Vic 3192
Tel: +61 3 9583 7500
Fax: +61 3 9583 7599

Tuesday, 17 June 2008

Carl MacDonald
Australian Drilling Associates
Level 5, Rialto North Tower
525 Collins St
Melbourne, Victoria, 3000

Carl,

Re: Garfish-1

Included for your review is a copy of the Post Job Report of the Garfish-1 cementing operations. The PJR includes the programs, job logs, and lab reports.

I trust this PJR meets the requirements of ADA and with insight and reflection provides sufficient detail for future reference.

Yours sincerely,

Dave Webb
Associate Technical Professional

cc
Prem kumar Salibendla
Technical Professional

Allan Hatfield
Cementing Service Coordinator

Table of Contents

1.0	SUMMARY OF OPERATIONS	4
1.1	LESSONS LEARNT	4
2.0	CEMENT PROGRAM 30IN & 13 3/8IN	5
2.1	30INCH CASING CEMENT JOB DETAILS.....	6
2.1.1	30in Casing Job Procedure	7
2.2	13 3/8INCH CEMENT JOB DETAILS	8
2.2.1	13 3/8in Casing Job Procedure	10
3.0	CEMENT PROGRAM 7IN LINER	11
3.1.1	7in Liner Details	12
3.1.2	7in Liner Job Procedure.....	14
3.1.3	Guidelines for Preparation of Tuned Spacer E+	15
4.0	CEMENT PROGRAM P&A	16
4.1	PLUG#1A	17
4.1.1	Plug #1a` Job Procedure	18
4.2	PLUG#1B DETAILS	19
4.2.1	Plug #1b` Job Procedure.....	20
4.3	PLUG#2 DETAILS	21
4.3.1	Plug #2 Job Procedure	22
4.4	PLUG#3 DETAILS	23
4.4.1	Plug # 3 Job Procedure	24
4.5	GUIDELINES FOR PREPARATION OF CEMENT MIXWATER	25
4.6	PLUG SETTING RECOMMENDATIONS	26
5.0	LAB REPORTS	27
6.0	JOB SUMMARY, EJCS, JOB LOGS.....	39
6.1	30 INCH CONDUCTOR CASING	39
6.1.1	Job Summary	39
6.1.2	Job Logs.....	40
6.1.3	KPI & EJCS.....	41
6.2	13 3/8" CASING	42
6.2.1	Job Summary	42
6.2.2	JOB LOGS.....	44
6.2.3	KPI & EJCS.....	45
6.2.4	Pumping Char	47
6.3	P&A PLUGS	48
6.3.1	KPI&EJCS.....	48
6.3.2	SUMMARY.....	49
6.3.3	JOB LOGS.....	50
6.3.4	PUMPING CHARTS	52

1.0 Summary of operations

Cementation on Garfish-1 well was completed as follows

- 30" Conductor casing was cemented on the 29th of May 2008
- 13 3/8" Surface Casing was cemented on the 2nd of June 2008
- Plug and abandonment of the well was completed on the 16th June 2008.

1.1 Lessons Learnt

The job was performed in a safe manner and executed according to plan

2.0 Cement Program 30in & 13 3/8in

The following program illustrates the cementation of 30in, 13 3/8in casings and contingent 7in liner followed by P&A program on Garfish-1 well.

Revision History

Draft 1 & 2		Initial programs
Draft 3	22 nd May 2008	Changed name of the well from Longtom upper to Garfish -1 and updated with 7in liner and P&A program
Revision 1	22 nd May 2008	7in Program separated in to new program

2.1 30inch Casing Cement Job Details

JOB PARAMETERS

Casing measured depth:	132m	BHST temperature:	25°C
True vertical depth:	132m	BHCT temperature:	21°C
Depth to top cement:	99m	Drilling mud type:	Seawater + Sweeps
		Drilling mud density:	8.55ppg

WELLBORE

Casing/Tubing (Inner string job)

0-132m	5 1/2in 21.9ppf Tubing
0-132m	30in 309.7ppf Casing

Annulus

0-99m	RKB-ML
99-132m	36in open hole (200% excess)

SPACERS

Spacer #1 - 80.0bbl Seawater at 6.72ppg

Seawater	42.00 gal/bbl	(21m OH annular fill / 10min contact time)
		Estimated Pv: 1cP

Spacer #2 - 20.0bbl Seawater + Dye at 13.00ppg

Seawater	41.98 gal/bbl	(5m OH annular fill / 3min contact time)
Fluorescein Dye	0.20 lb/bbl	Estimated Pv: 26cP
		Estimated Yp: 26lbs/100ft ²

Contact times are based on the displacement rate.

CEMENT

Composition

Adelaide Brighton Class G	
Calcium Chloride 1%	1.00 %BWOC
Seawater	5.16 gal/sk
NF-6	0.125 gal/10bblMF

Properties

Surface density:	15.90 ppg
Surface yield:	1.17 ft ³ /sk
Total mixing fluid:	5.20 gal/sk
Thickening time (70 Bc):	2:30
Comp strength at 24°C	50 psi in 3 hrs
Comp strength at 24°C	500 psi in 7 hrs
Comp strength at 24°C	2,000 psi in 24 hrs

Note that %BWOC are based on a 94 lb sack

VOLUME CALCULATIONS

Cement

30in Casing / 36in hole volume	33 m x 1.2620 bbl/m	41.6 bbl
30in Casing / 36in hole excess	2.00 x 41.6 bbl	83.3 bbl
		Total slurry volume =124.9 bbl

Quantity of cement	124.9 bbl x 5.6146 / 1.17 ft ³ /sk	600 sks
Quantity of mix fluid	600 sks x 5.20 gal/sk	74.3 bbl

Displacement

5 1/2in Tubing volume	132 m x 0.0728 bbl/m	9.6 bbl
		Total displacement volume =9.6 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1.5 x Casing volume:	14.4	8.0	2
Pump spacers:	100.0	8.0	13
Release ball/bottom plug:	N/A	N/A	5
Mix & pump cement:	124.9	5.0	25
Release dart/top plug:	N/A	N/A	5
Pump displacement:	9.6	8.0	1
<i>Total job time (including circulation):</i>			<i>81 min</i>
<i>Minimum cement thickening time (with 2hr safety factor):</i>			<i>151 min</i>
			<i>1hr 21min</i>
			<i>2hr 31min</i>

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer #1 - Seawater

Seawater 80 bbl

Spacer #2 - Seawater + Dye

Seawater 20 bbl
Fluorescein Dye 4 lb

Cement

Adelaide Brighton Class G 26 MT(610 ft³)
Calcium Chloride 1% 564 lbs
Seawater 73.7 bbl
NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

2.1.1 30in Casing Job Procedure

- 1) Run casing, install false rotary and run innerstring
- 2) Stab in to float shoe and establish circulation
- 3) Pressure test lines by pumping 10bbbls of SW
- 4) Pump 70bbbls of seawater
- 5) Pump 20bbbls of dye coloured seawater
- 6) Mix and pump 125bbbls of 15.9ppg cement slurry
- 7) Displace with 10bbbls of seawater
- 8) Bleed off and check floats
- 9) Unsting from float shoe and circulate drill pipe clean. Drop a wiper ball to aid in cleaning

2.2 13 3/8inch Cement Job Details

JOB PARAMETERS

Casing measured depth:	750m	BHST temperature:	50°C
True vertical depth:	750m	BHCT temperature:	34°C
Depth to top lead:	99m	Drilling mud type:	WBM
Depth to top tail:	650m	Drilling mud density:	8.70ppg

WELLBORE

Casing/Tubing (Inner string job)

0-748m	5 1/2in 21.9ppf Tubing
0-750m	13 3/8in 72ppf Casing

Annulus

0-132m	30in 309.7ppf casing (28in ID)
132-750m	17.5in open hole (50% excess)

SPACERS

Spacer - 100.0bbl Seawater at 6.72ppg

Seawater	42.00 gal/bbl	(164m OH annular fill / 13min contact time)
		Estimated Pv: 1cP

Contact times are based on the displacement rate.

LEAD CEMENT

Composition		Properties	
Adelaide Brighton Class G		Surface density:	12.50 ppg
Econolite Liquid	15.00 gal/10bblMF	Surface yield:	2.19 ft³/sk
Seawater	12.42 gal/sk	Total mixing fluid:	12.88 gal/sk
NF-6	0.125 gal/10bblMF	Thickening time (70 Bc):	3:45
		Comp strength at 34°C:	50 psi in 4 hrs
		Comp strength at 34°C:	500 psi in 6 hrs
		Comp strength at 34°C:	2,000 psi in 24 hrs

TAIL CEMENT

Composition		Properties	
Adelaide Brighton Class G		Surface density:	15.90 ppg
CFR-3L	3.00 gal/10bblMF	Surface yield:	1.16 ft³/sk
HR-6L	2.00 gal/10bblMF	Total mixing fluid:	5.13 gal/sk
Seawater	5.07 gal/sk	Thickening time (70 Bc):	3:00
NF-6	0.125 gal/10bblMF	Comp strength at 45°C:	50 psi in 4 hrs
		Comp strength at 45°C:	500 psi in 6 hrs
		Comp strength at 45°C:	2,000 psi in 24 hrs

VOLUME CALCULATIONS

Lead Cement

13 3/8in Casing / 30in casing volume	33 m x 1.9285 bbl/m	63.6 bbl
13 3/8in Casing / 17.5in hole volume	518 m x 0.4059 bbl/m	210.3 bbl
13 3/8in Casing / 17.5in hole excess	0.50 x 210.3 bbl	105.1 bbl

Total lead slurry volume =379.0 bbl

Quantity of lead cement	379.0 bbl x 5.6146 / 2.19 ft ³ /sk	972 sacks
Quantity of lead mix fluid	972 sacks x 12.88 gal/sk	298.1 bbl

Tail Cement

13 3/8in Casing / 17.5in hole volume	100 m x 0.4059 bbl/m	40.6 bbl
13 3/8in Casing / 17.5in hole excess	0.50 x 40.6 bbl	20.3 bbl

Total tail slurry volume =60.9 bbl

Quantity of tail cement	60.9 bbl x 5.6146 / 1.16 ft ³ /sk	295 sks
Quantity of tail mix fluid	295 sks x 5.13 gal/sk	36.0 bbl

Displacement

5 1/2in Tubing volume	748 m x 0.0728 bbl/m	54.4 bbl
13 3/8in Casing volume	2 m x 0.4858 bbl/m	1.0 bbl

Total displacement volume =55.4 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)	
Make up lines & pressure test:	N/A	N/A	30	
Circulate 1.5 x Casing volume:	83.1	8.0	10	
Pump spacers:	100.0	8.0	13	
Release ball/bottom plug:	N/A	N/A	5	
Mix & pump lead cement:	379.0	5.0	76	
Mix & pump tail cement:	60.9	5.0	12	
Release dart/top plug:	N/A	N/A	5	
Pump displacement:	55.4	8.0	7	
<i>Total job time (including circulation):</i>			158 min	2hr 38min
<i>Minimum lead cement thickening time (with 2hr safety factor):</i>			220 min	3hr 40min
<i>Minimum tail cement thickening time (with 2hr safety factor):</i>			144 min	2hr 24min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Seawater

Seawater	100 bbl
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Lead Cement

Adelaide Brighton Class G	41 MT(962 ft ³)
Econolite Liquid	447 gals
Seawater	287.3 bbl
NF-6	4 gals

Tail Cement

Adelaide Brighton Class G	13 MT(305 ft ³)
CFR-3L	11 gals
HR-6L	7 gals
Seawater	35.6 bbl
NF-6	1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

2.2.1 13 3/8in Casing Job Procedure

- 10) Rig up surface lines, Innerstring cementing pump in sub
- 11) Close PCA (The innerstring will not be stabbed in)
- 12) Establish circulation
- 13) Pressure test lines to maximum job pressure
- 14) Pump 100bbls seawater
- 15) Pump 379bbls of lead cement
- 16) Pump 61bbls of tail cement
- 17) Drop a foam wiper ball
- 18) Displace with 55.5bbls of well fluid (If using a foam ball do not overdisplace and force ball into valve)
- 19) Open PCA
- 20) Forward circulate drill pipe clean

3.0 Cement Program 7in Liner

The following program outlines the cementation of 7in liner on Garfish-1 well.

Revision History

Draft 1	30 th May 2008	Initial program
Draft 2	2 nd June 2008	Changed TOC and Liner top

3.1.1 7in Liner Details

JOB PARAMETERS

Liner measured depth:	2,100m	BHST temperature:	102°C
True vertical depth:	2,045m	BHCT temperature:	76°C
Depth to top lead (DP in):	600m	Drilling mud type:	WBM
Depth to top tail:	1,870m	Drilling mud density:	11.00ppg

WELLBORE

Liner/Tubing

0-600m	5 1/2in 21.9ppf Tubing (13Cr80 FOX)
600-2,100m	7in 29ppf Liner

Annulus

0-750m	13 3/8in 72ppf casing (12.347in ID)
750-2,100m	8.5in open hole (10% excess)

SPACERS

Spacer #1 - 20.0bbl Freshwater at 8.33ppg

Freshwater	42.00 gal/bbl	(245m OH annular fill / 3min contact time)
		Estimated Pv: 1cP

Spacer #2 - 30.0bbl Tuned Spacer E+ at 13.00ppg

Freshwater	34.26 gal/bbl	(368m OH annular fill / 4min contact time)
Tuned Spacer E+	14.40 lb/bbl	Estimated Pv: 30cP
Barite	245.63 lb/bbl	Estimated Yp: 26lbs/100ft ²

Contact times are based on the displacement rate.

LEAD CEMENT

Composition

Adelaide Brighton Class G	
Gascon	35.00 gal/10bblMF
CFR-3L	3.00 gal/10bblMF
Halad -413L	10.00 gal/10bblMF
SCR-100L	6.00 gal/10bblMF
Freshwater	10.72 gal/sk
NF-6	0.25 gal/10bblMF

Properties

Surface density:	12.50 ppg
Surface yield:	2.12 ft ³ /sk
Total mixing fluid:	12.31 gal/sk
Thickening time (70 Bc):	7:00
Free water vert at 76°C:	Trace %
Fluid loss at 76°C:	<100 cc/30min
Comp strength at 76°C:	50 psi in 8 hrs
Comp strength at 76°C:	1,000 psi in 24 hrs

TAIL CEMENT

Composition

Adelaide Brighton Class G	
CFR-3L	4.00 gal/10bblMF
Halad -413L	30.00 gal/10bblMF
SCR-100L	5.00 gal/10bblMF
Gascon	10.00 gal/10bblMF
Freshwater	4.57 gal/sk
NF-6	0.25 gal/10bblMF

Properties

Surface density:	15.80 ppg
Surface yield:	1.17 ft ³ /sk
Total mixing fluid:	5.18 gal/sk
Thickening time (70 Bc):	4:00
Free water vert at 76°C:	Trace %
Fluid loss at 76°C:	<50 cc/30min
Comp strength at 101.8°C	50 psi in 5 hrs
Comp strength at 101.8°C	500 psi in 6 hrs
Comp strength at 101.8°C	2,000 psi in 24 hrs

VOLUME CALCULATIONS

Lead Cement

7in Liner / 13 3/8in casing volume	150 m x 0.3297 bbl/m	49.5 bbl
7in Liner / 8.5in hole volume	1,120 m x 0.0741 bbl/m	83.0 bbl
7in Liner / 8.5in hole excess	0.10 x 83.0 bbl	8.3 bbl
Total lead slurry volume =140.7 bbl		

Quantity of lead cement	140.7 bbl x 5.6146 / 2.12 ft ³ /sk	373 sacks
Quantity of lead mix fluid	373 sacks x 12.31 gal/sk	109.3 bbl

Tail Cement

7in Liner / 8.5in hole volume	230 m x 0.0741 bbl/m	17.0 bbl
7in Liner / 8.5in hole excess	0.10 x 17.0 bbl	1.7 bbl
Shoe track volume	24 m x 0.1219 bbl/m	2.9 bbl
Total tail slurry volume =21.7 bbl		

Quantity of tail cement	21.7 bbl x 5.6146 / 1.17 ft ³ /sk	104 sks
Quantity of tail mix fluid	104 sks x 5.18 gal/sk	12.8 bbl

Displacement

5 1/2in Tubing volume	600 m x 0.0728 bbl/m	43.7 bbl
7in Liner volume	1,476 m x 0.1219 bbl/m	179.9 bbl
Total displacement volume =223.5 bbl		

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1.5 x Casing volume:	339.6	8.0	42
Pump spacers:	50.0	8.0	6
Release ball/bottom plug:	N/A	N/A	5
Mix & pump lead cement:	140.7	5.0	28
Mix & pump tail cement:	21.7	5.0	4
Release dart/top plug:	N/A	N/A	5
Pump displacement:	223.5	8.0	28
Set LTP / release run tool:	N/A	N/A	60
Pull workstring 91 m above TOC:	91m	9.1m/min	10
Reverse circulate:	37	5.0	7
Total job time (including circulation):			225 min
Minimum lead cement thickening time (with 2hr safety factor):			262 min
Minimum tail cement thickening time (with 2hr safety factor):			234 min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer #1 - Freshwater

Freshwater 20 bbl

Spacer #2 - Tuned Spacer E+

Freshwater 24.5 bbl

Tuned Spacer E+ 432 lb

Barite 7,369 lb

Lead Cement

Adelaide Brighton Class G 16 MT(375 ft³)

Gascon 383 gals

CFR-3L 33 gals

Halad -413L 109 gals

SCR-100L 66 gals

Freshwater 95.2 bbl

NF-6 3 gals

Tail Cement

Adelaide Brighton Class G 4 MT(94 ft³)

CFR-3L 5 gals

Halad -413L 38 gals

SCR-100L 6 gals

Gascon 13 gals

Freshwater 11.3 bbl

NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

3.1.2 Tin Liner Job Procedure

- 21) Rig up surface lines
- 22) Establish circulation by pumping 5bbls of fresh water
- 23) Pressure test lines to 3000psi
- 24) Pump 5bbl of fresh water
- 25) Pump 30bbls of 13ppg Tuned Spacer E+
- 26) Pump 10bbls of freshwater
- 27) Drop bottom plug releasing dart if running a bottom liner plug
- 28) Mix and pump 141bbl of Lead cement mixed at 12.5ppg
- 29) Mix and pump 22bbl of Tail cement mixed at 15.80ppg
- 30) Drop top plug releasing dart
- 31) Pump 10bbls of freshwater

- 32) Displace with ~44bbls and land dart. Pressure up and shear off shut off plug. Continue to displace with an additional 170bbls to land plug
- 33) Slow pump rate down for final 10bbls to 2BPM. Bump plug 500psi over and hold for 10mins, Bleed back and check floats

3.1.3 Guidelines for Preparation of Tuned Spacer E+

Note: A clean pit is required to mix the tuned spacer.

- 34) Load appropriate amount of freshwater in a clean pit
- 35) Add Tuned spacer E+ Blend and agitate
- 36) Wait 45-60 mins to allow Tuned spacer E+ to yield before adding Barite
- 37) Add Barite (continue to agitate and circulate until spacer is homogeneous. Approximately 30mins)
- 38) Check density with mud balance, ~13ppg.

4.0 Cement Program P&A

The following program outlines the P&A program on Garfish-1 well.

Plug 1a and 1b: covers FTD to 50m above top Admiral starting with two 175m plugs starting at 2175m MD.

Plug 2: this is a 13 3/8in casing shoe plug with 100m plug length which is extended from 800- 700m MD.

Plug 3: this is a 100m surface plug.

Revision History

Revision 1	10 th June 2008	Initial P&A program
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4.1 Plug#1a

JOB PARAMETERS

Plug bottom MD:	2,175m	BHST temperature:	105°C
Plug bottom TVD:	2,135m	BHCT temperature:	86°C
Plug top MD:	2,000m	Drilling mud type:	WBM
Plug length:	175m	Drilling mud density:	11.00ppg
Plug length with DP in:	193m		

WELLBORE

Workstring

0-2,175m 5 1/2in 21.9ppf tubing

Annulus

0-2,175m 8.5in open hole (10% excess)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 4.6bbl behind to balance
 (58m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G	
CFR-3L	3.00 gal/10bblMF
SCR-100L	3.00 gal/10bblMF
Freshwater	5.04 gal/sk
NF-6	0.125 gal/10bblMF

Properties

Surface density:	15.80 ppg
Surface yield:	1.16 ft ³ /sk
Total mixing fluid:	5.12 gal/sk
Thickening time (70 Bc):	3:30
Comp strength at 99°C	50 psi in 4 hrs
Comp strength at 99°C	500 psi in 6 hrs
Comp strength at 99°C	2,000 psi in 24 hrs

VOLUME CALCULATIONS

Cement

8.5in hole volume	175 m x 0.2303 bbl/m	40.3 bbl
8.5in hole excess	0.10 x 40.3 bbl	4.0 bbl
		Slurry volume =44.3 bbl

Quantity of cement	44.3 bbl x 5.6146 / 1.16 ft ³ /sk	215 sacks
Quantity of mix fluid	215 sacks x 5.12 gal/sk	26.2 bbl

Displacement

5 1/2in tubing volume	1,918 m x 0.0728 bbl/m	139.6 bbl
		Total displacement volume =139.6 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1 x bottoms up:	341.2	6.0	57
Pump spacers ahead:	10.0	6.0	2
Mix & pump cement:	44.3	5.0	9
Drop wiper ball:	N/A	N/A	5
Pump spacers behind:	4.6	6.0	1
Pump displacement:	139.6	6.0	23
Pull workstring 152 m above TOC:	327m	9.1m/min	36
Circulate workstring clean:	134.0	6.0	22
Total job time (including circulation):			185 min
Minimum cement thickening time (with 2hr safety factor):			216 min
			3hr 05min
			3hr 36min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater (Including 10.0 bbl pit loss)

Freshwater 24.6 bbl

Cement

Adelaide Brighton Class G 9 MT(211 ft³)
 CFR-3L 8 gals
 SCR-100L 8 gals
 Freshwater 25.8 bbl
 NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.1.1 Plug #1a` Job Procedure

1. RIH to 2175m with work string
2. Rig up surface lines.
3. Establish circulation, Pump 5bbls Fresh water.
4. Test lines 2000psi.
5. Pump 5bbls Fresh water.
6. Mix and pump 44.5bbls of 15.8ppg cement slurry.
7. Drop drill pipe wiper ball
8. Displace with 4.5bbls of fresh water to balance
9. Continue to displace with 139bbls of well fluid to create a balanced plug

Note 1bbl under displace to aid in dry POOH

10. Pick up worksting to top of cement
11. Reverse circulate 1 1/2 times tubing volumes clean before POOH
12. Pick up and prepare for second plug

4.2 Plug#1b Details

JOB PARAMETERS

Plug bottom MD:	2,000m	BHST temperature:	99°C
Plug bottom TVD:	1,980m	BHCT temperature:	81°C
Plug top MD:	1,825m	Drilling mud type:	WBM
Plug length:	175m	Drilling mud density:	11.00ppg
Plug length with DP in:	193m		

WELLBORE

Workstring

0-2,000m 5 1/2in 21.9ppf tubing

Annulus

0-2,000m 8.5in open hole (10% excess)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 4.6bbl behind to balance
(58m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G

CFR-3L 3.00 gal/10bbIMF

SCR-100L 3.00 gal/10bbIMF

Freshwater 5.04 gal/sk

NF-6 0.125 gal/10bbIMF

Properties

Surface density: 15.80 ppg

Surface yield: 1.16 ft³/sk

Total mixing fluid: 5.12 gal/sk

Thickening time (70 Bc): 3:30

Comp strength at 93°C 50 psi in 4 hrs

Comp strength at 93°C 500 psi in 6 hrs

Comp strength at 93°C 2,000 psi in 24 hrs

VOLUME CALCULATIONS

Cement

8.5in hole volume 175 m x 0.2303 bbl/m 40.3 bbl

8.5in hole excess 0.10 x 40.3 bbl 4.0 bbl

Slurry volume =44.3 bbl

Quantity of cement 44.3 bbl x 5.6146 / 1.16 ft³/sk 215 sacks

Quantity of mix fluid 215 sacks x 5.12 gal/sk 26.2 bbl

Displacement

5 1/2in tubing volume 1,743 m x 0.0728 bbl/m 126.8 bbl

Total displacement volume =126.8 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)
Make up lines & pressure test:	N/A	N/A	30
Circulate 1 x bottoms up:	313.8	6.0	52
Pump spacers ahead:	10.0	6.0	2
Mix & pump cement:	44.3	5.0	9
Drop wiper ball:	N/A	N/A	5
Pump spacers behind:	4.6	6.0	1
Pump displacement:	126.8	6.0	21
Pull workstring 152 m above TOC:	327m	9.1m/min	36
Circulate workstring clean:	122.0	6.0	20

Total job time (including circulation): 176 min 2hr 56min
Minimum cement thickening time (with 2hr safety factor): 212 min 3hr 32min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater (Including 10.0 bbl pit loss)

Freshwater 24.6 bbl

Cement

Adelaide Brighton Class G 9 MT(211 ft³)
 CFR-3L 8 gals
 SCR-100L 8 gals
 Freshwater 25.8 bbl
 NF-6 1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.2.1 Plug #1b` Job Procedure

1. RIH to 2000m with work string
2. Rig up surface lines.
3. Establish circulation, Pump 5bbls Fresh water.
4. Test lines 2000psi.
5. Pump 5bbls Fresh water.
6. Mix and pump 44.5bbls of 15.8ppg cement slurry.
7. Drop drill pipe wiper ball
8. Displace with 4.5bbls of fresh water to balance
9. Continue to displace with 126bbls of well fluid to create a balanced plug

Note 1bbl under displace to aid in dry POOH

10. Pick up worksting to top of cement
11. Reverse circulate 1 1/2 times tubing volumes clean before POOH
12. Pick up and prepare for third plug

4.3 Plug#2 Details

JOB PARAMETERS

Plug bottom MD:	800m	BHST temperature:	52°C
Plug bottom TVD:	800m	BHCT temperature:	42°C
Plug top MD:	700m	Drilling mud type:	WBM
Plug length:	100m	Drilling mud density:	8.70ppg
Plug length with DP in:	105m		

WELLBORE

Workstring

0-800m 5 1/2in 21.9ppf tubing

Annulus

0-750m 13 3/8in 72ppf casing (12.347in ID)
750-800m 8.5in open hole (10% excess)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 1.9bbl behind to balance
(26m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G
CFR-3L 3.00 gal/10bbIMF
HR-6L 2.00 gal/10bbIMF
Seawater 5.07 gal/sk
NF-6 0.25 gal/10bbIMF

Properties

Surface density: 15.90 ppg
Surface yield: 1.16 ft³/sk
Total mixing fluid: 5.13 gal/sk
Thickening time (70 Bc): 3:00
Comp strength at 49°C 50 psi in 4 hrs
Comp strength at 49°C 500 psi in 6 hrs
Comp strength at 49°C 200 psi in 24 hrs

VOLUME CALCULATIONS

Cement

13 3/8in casing volume 50 m x 0.4858 bbl/m 24.3 bbl
8.5in hole volume 50 m x 0.2303 bbl/m 11.5 bbl
8.5in hole excess 0.10 x 11.5 bbl 1.2 bbl

Slurry volume =37.0 bbl

Quantity of cement 37.0 bbl x 5.6146 / 1.16 ft³/sk 179 sacks
Quantity of mix fluid 179 sacks x 5.13 gal/sk 21.9 bbl

Displacement

5 1/2in tubing volume 669 m x 0.0728 bbl/m 48.7 bbl

Total displacement volume =48.7 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)	
Make up lines & pressure test:	N/A	N/A	30	
Circulate 1 x bottoms up:	299.9	6.0	50	
Pump spacers ahead:	10.0	6.0	2	
Mix & pump cement:	37.0	5.0	7	
Drop wiper ball:	N/A	N/A	5	
Pump spacers behind:	1.9	6.0	0	
Pump displacement:	48.7	6.0	8	
Pull workstring 152 m above TOC:	252m	9.1m/min	28	
Circulate workstring clean:	40.0	6.0	7	
Total job time (including circulation):			137 min	2hr 17min
Minimum cement thickening time (with 2hr safety factor):			175 min	2hr 55min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater	
Freshwater	11.9 bbl
Cement	
Adelaide Brighton Class G	8 MT(188 ft ³)
CFR-3L	7 gals
HR-6L	4 gals
Seawater	21.6 bbl
NF-6	1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.3.1 Plug #2 Job Procedure

- 1) RIH with workstring to 800m MD
- 2) Rig up surface lines and pump 5bbl fresh water
- 3) prime and test to 200/2000psi
- 4) Pump 5bbls Fresh water
- 5) Mix and pump 37bbls of 15.9ppg cement slurry.
- 6) Drop drill pipe wiper ball
- 7) Displace with 2bbls of fresh water to balance
- 8) Continue to displace with 48bbls of well fluid to create a balanced plug

Note 1bbl under displace to aid in dry POOH

- 9) Pick up work string at least one stand above top of cement
- 10) Reverse circulate 1 1/2 times tubing volumes clean before POOH
- 11) End Job

4.4 Plug#3 Details

JOB PARAMETERS

Plug bottom MD:	145m	BHST temperature:	28°C
Plug bottom TVD:	145m	BHCT temperature:	21°C
Plug top MD:	45m	Drilling mud type:	SW
Plug length:	100m	Drilling mud density:	8.54ppg
Plug length with DP in:	105m		

WELLBORE

Workstring

0-145m 5 1/2in 21.9ppf tubing

Annulus

0-145m 13 3/8in 72ppf casing (12.347in ID)

SPACERS

Spacer - Freshwater at 8.33ppg

Freshwater 42.00 gal/bbl 10.0bbl ahead and 1.9bbl behind to balance
(26m annular fill / 2min contact time)

Contact times are based on the displacement rate.

CEMENT SLURRY

Composition

Adelaide Brighton Class G
Calcium Chloride 1% 1.00 %BWOC
Seawater 5.16 gal/sk
NF-6 0.25 gal/10bblMF

Properties

Surface density: 15.90 ppg
Surface yield: 1.17 ft³/sk
Total mixing fluid: 5.20 gal/sk
Thickening time (70 Bc): 2:30
Comp strength at 26°C 50 psi in 3 hrs
Comp strength at 26°C 500 psi in 6 hrs
Comp strength at 26°C 2,000 psi in 24 hrs

Note that %BWOC are based on a 94 lb sack

VOLUME CALCULATIONS

Cement

13 3/8in casing volume 100 m x 0.4858 bbl/m 48.6 bbl
Slurry volume =48.6 bbl

Quantity of cement 48.6 bbl x 5.6146 / 1.17 ft³/sk 233 sacks
Quantity of mix fluid 233 sacks x 5.20 gal/sk 28.9 bbl

Displacement

5 1/2in tubing volume 14 m x 0.0728 bbl/m 1.0 bbl
Total displacement volume =1.0 bbl

PUMPING SCHEDULE & TIMES

	Volume (bbl)	Rate (bbl/min)	Time (min)	
Make up lines & pressure test:	N/A	N/A	30	
Circulate 1 x bottoms up:	56.5	6.0	9	
Pump spacers ahead:	10.0	6.0	2	
Mix & pump cement:	48.6	5.0	10	
Drop wiper ball:	N/A	N/A	5	
Pump spacers behind:	1.9	6.0	0	
Pump displacement:	1.0	6.0	0	
Pull workstring 152 m above TOC:	252m	9.1m/min	28	
Total job time (including circulation):			84 min	1hr 24min
Minimum cement thickening time (with 2hr safety factor):			163 min	2hr 43min

MINIMUM MATERIAL REQUIREMENTS (Double for loadout)

Spacer - Freshwater	
Freshwater	11.9 bbl
Cement	
Adelaide Brighton Class G	10 MT(235 ft ³)
Calcium Chloride 1%	219 lbs
Seawater	28.6 bbl
NF-6	1 gals

These are estimates calculated on the information given. Calculations should be confirmed on the job site well in advance.

4.4.1 Plug # 3 Job Procedure

- 12) RIH to 145m with workstring
- 13) Rig up surface lines.
- 14) Establish circulation, Pump 5bbls Fresh water.
- 15) Test lines 2000psi.
- 16) Pump 5bbls Fresh water.
- 17) Mix and pump 49bbls of 15.9ppg cement slurry.
- 18) Displace with 2bbls of fresh water to balance
- 19) Continue to displace with 1bbls of well fluid to create a balanced plug
- 20) Pick up work string at least one stand above top of cement
- 21) Reverse circulate 1 1/2 times tubing volumes clean before POOH
- 22) End Job

4.5 Guidelines for Preparation of Cement Mixwater

From time to time it is necessary to pre-mix the additives and mixwater for a cement job instead of adding them “on the fly” via the cement unit LAP system.

NOTE: If mixing in displacement tanks, Econolite and HR-6L are not compatible in their neat form. Ensure there is a sufficient level of water for dilution before mixing chemical additives or add them separately to the mixwater

Lab testing has indicated that there is a maximum age, or retention time, for **batch mixed mixwaters**, after which they should not be used. This is because slurry properties such as thickening time may be affected, and it applies particularly to the “high fineness” additives: Silicalite Liquid, Micromax, Gascon 469 and Microbond in conjunction with cement retarders. Therefore when pre-mixing additives the following guidelines need to be followed:

Prepare drillwater/seawater in a **clean pit/blender** and check fluid has the appropriate chloride content.

Freshwater	<1000	Ppm
Seawater	<20000	Ppm

Add 2 gal of defoamer (NF-6) per 10 bbl of water.

During the casing/liner run add the additives below in the following order.

- a) Extenders – **Silicalite Liquid / Gascon 469 / Econolite Liquid, WG-17LXP**
- b) Friction Reducers – **CFR-3L**.
- c) Fluid Loss/Gas Migration Additives – **Halad additives / GasStop-L**.

Once the casing is on bottom or the liner hanger has been set and just prior to/during mud conditioning add the additives below in the following order.

- a) Viscosifying Additives – **SA-533**. This must be added very slowly to prevent lumps forming and should be added directly to a tub and not through a mixing hopper, since a build up of partially hydrated polymer can form inside the gooseneck. Note that SA-533 requires at least 30 mins to yield.
- b) Weighting Materials – **Micromax**.

Immediately prior to the jobs commencement add the retarder and then any expansive additives. Circulate the pit with maximum agitation.

- a) Retarders – **HR-6L / HR-25L / SCR-100L**.
- b) Expansive Additives - **MicroBond**.

If any foaming is observed add additional anti-foaming agents as required.

NOTE: Once the retarder has been added Halliburton recommends that the maximum surface time of the mixwater should be no more than **8** hours. This is due to the retarder being attracted to the high surface area of the siliceous material in the extender. This has the effect of reducing the retardation effect of the retarder on the cement. It is recommended that if the mixwater with retarder is left for more than 8 hours on surface that it be dumped and a new batch mixed. Mixwater that has been prepared without the addition of an extender or retarder can be kept for 24 hours. After 24 hours the mixwater should not be used for cementing operations unless authorised by a Halliburton engineer.

4.6 Plug Setting Recommendations

1. **Cement Volume: Pumping sufficient volume is one of the biggest causes of plug failures.**
 - *Open hole:* HOC + 50% excess over gauge to account for washouts, (if not calipered).
 - *Cased Hole:* 10 bbls to compensate for mud contamination.
2. **If plug is not being set on a firm base, set a CST or spot a Viscous Reactive Pill (VRP),** the same length as the proposed plug, to act as a base.
3. **Drill pipe and stinger should be drifted for accurate displacement.** Include using a latch-down indicator sub (ball catcher) to achieve accurate displacement.
4. **Wash over the plug interval.** Rotate and reciprocate down over the entire interval at maximum rate, dependent on well conditions.
5. **Minimise any shutdowns to keep the mud in a fluidised condition.** This will help to maximise mud removal efficiency when placing cement.
6. **Use a side-port diverter tool** to direct the flow outwards, minimising intermixing and providing jetting action. **DO NOT USE A MULE SHOE WITH NARROW SLOTS.**
7. **Plug height should be limited to 500 ft.** The extra time taken to pull slowly out of the plug increases the risk of cementing-in the cementing assembly.
8. **Use 2-7/8" or 3 1/2" stinger** on the end of the drill pipe to minimise stripping the plug when POOH. The recommended length is 1.5 x plug length. When in highly deviated or horizontal holes, centralising the stinger will prevent dead areas of mud on the low side of the hole.
9. **Pump minimum of 40 bbls of spacer ahead of the plug** and required volume behind to balance & separate the mud from the cement. It is best to keep the spacer weight almost equal to the cement weight in horizontal holes.
10. **Pump spacer, cement and displacement at maximum possible rates** with the cement unit, however **do not over displace** - slow rate down prior to end of calculated displacement.
11. **Use side entry sub/swivel** or top-drive cement head to enable rotation of the drill pipe whilst pumping cement and displacement - **DO NOT reciprocate.**
12. **POOH slowly (30 - 60 ft/min)** and break connections carefully to avoid stripping plug until 500ft above the cement plug. Avoid any delay's
13. **Do not circulate on top of plug.** Break circulation slowly so as to minimise disturbance of plug. Never reverse circulate when setting an open-hole plug.
14. **Waiting on cement** should be at least the time for the plug to reach 500 psi. or 3000 psi. for a Kick-off plug. Best results have been obtained by a mandatory 24 hr WOC before disturbing the plug.

5.0 LAB REPORTS

HALLIBURTON

CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 25/05/2008
Well Name	: Garfish-1	Reference	: GAR-08-01A
Casing Size	: 30inch		
Job Type	: Casing		
Slurry Type	: Single		
Time to Temp	: 13min		

WELL PROPERTIES

Depth(MD from RKB)	: 132	Meters	Depth(TVD from RKB)	: 132	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 0.00	Deg.C./100M
BHST	: 25.00	Deg.C.	BHCT (per API Spec 10)	: 20.00	Deg.C.
Mud Weight	: 8.55	PPG	Water Source	: Seawater	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.25	gal/10bbl of Mix Fluid		0.003	gal/sk
Calcium Chloride 1%	: 1.00	%BWOC		0.012	gal/sk
Slurry Weight	: 15.90	PPG	Slurry Yield	: 1.17	CuFt/Sack
Mixing Water	: 5.23	Gals/Sack	Total Mixing Fluid	: 5.24	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	443 psi
Time(hrs:mins)	: 33	2:07	2:30	2:41	25 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	2:57	UCA Max Temp	: 25 Deg C
	: 500psi	6:43	UCA Pressure	: 3000 psi
	: 3930psi	65:36		

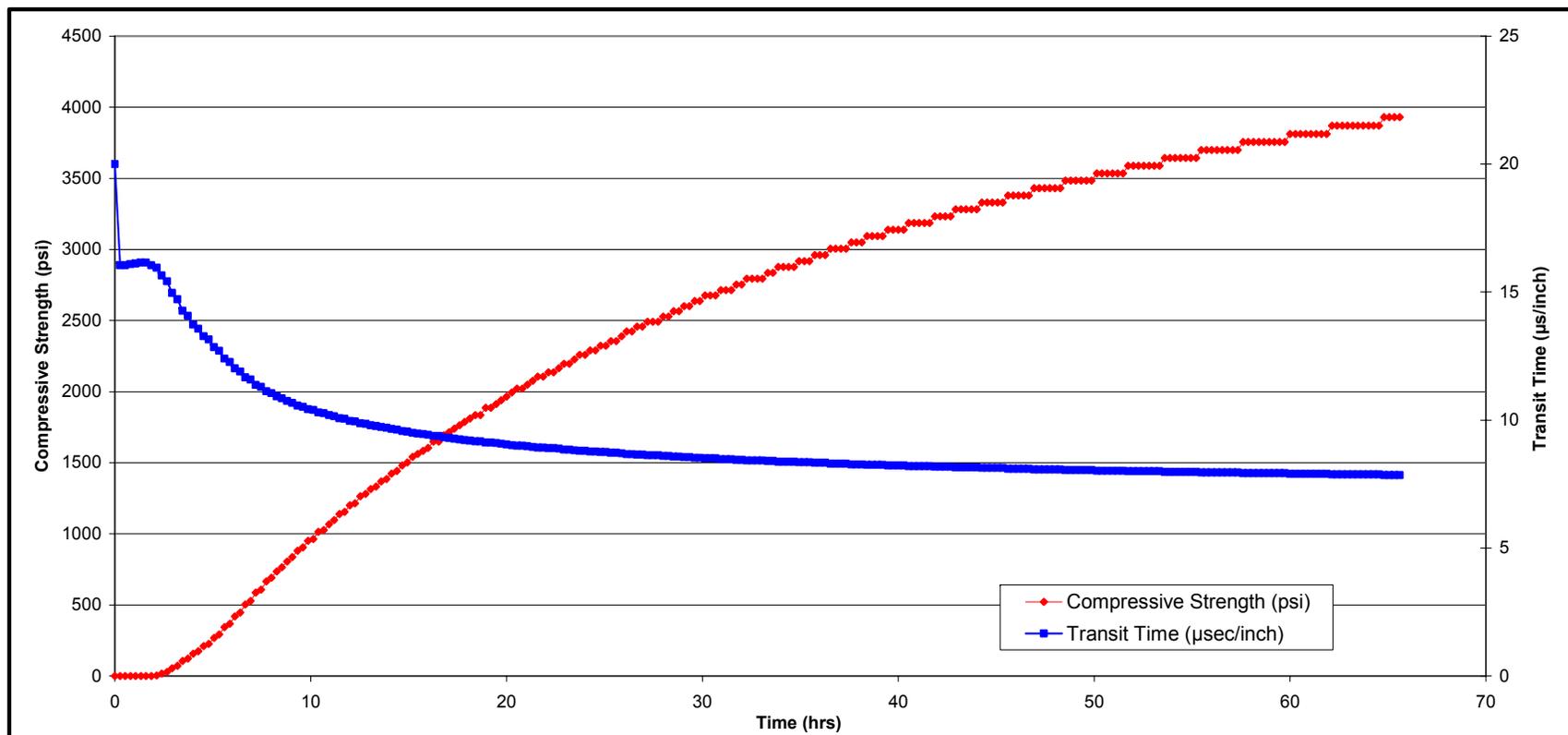
Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

Approved By : Prem kumar Salibendla/Andrew Stobie

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Project No : GAR-08-01A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 2:57
Well Name/Job : Garfish-1/ 30in CSG		Strength 2 (500psi) : 6:43
Date : 26/05/2008		Current Strength (3930psi) : 65:36
Pressure : 3000psi		
Temperature : 25°C/77°F		
Cement :	ABC Class G & Calcium Chloride 1% - 1% BWOC & NF-6 0.25 gal/10bbl & Seawater	
Density -15.9ppg ▲ yield - 1.17cuft/sk ▲ Water - 5.23gal/sk ▲ Total Fluid - 5.24gal/sk		



HALLIBURTON

CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 26/05/2008
Well Name	: Garfish-1	Reference	: GAR-08-02A
Casing Size	: 13 3/8inch		
Job Type	: Casing		
Slurry Type	: Lead		
Time to Temp	: 19min		

WELL PROPERTIES

Depth(MD from RKB)	: 750	Meters	Depth(TVD from RKB)	: 750	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 3.33	Deg.C./100M
BHST	: 50.00	Deg.C.	BHCT (per API Spec 10)	: 34.00	Deg.C.
Mud Weight	: 8.70	PPG	Water Source	: Seawater	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.13	gal/10bbl of Mix Fluid		0.004	gal/sk
Econolite Liquid	: 15.00	gal/10bbl of Mix Fluid		0.464	gal/sk
Slurry Weight	: 12.50	PPG	Slurry Yield	: 2.21	CuFt/Sack
Mixing Water	: 12.54	Gals/Sack	Total Mixing Fluid	: 13.00	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	1,424 psi
Time(hrs:mins)	: 2	4:24	4:47	5:02	34 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	4:00	UCA Max Temp	: 50 Deg C
	: 500psi	11:13	UCA Pressure	: 3000 psi
	: 751psi	24:00		

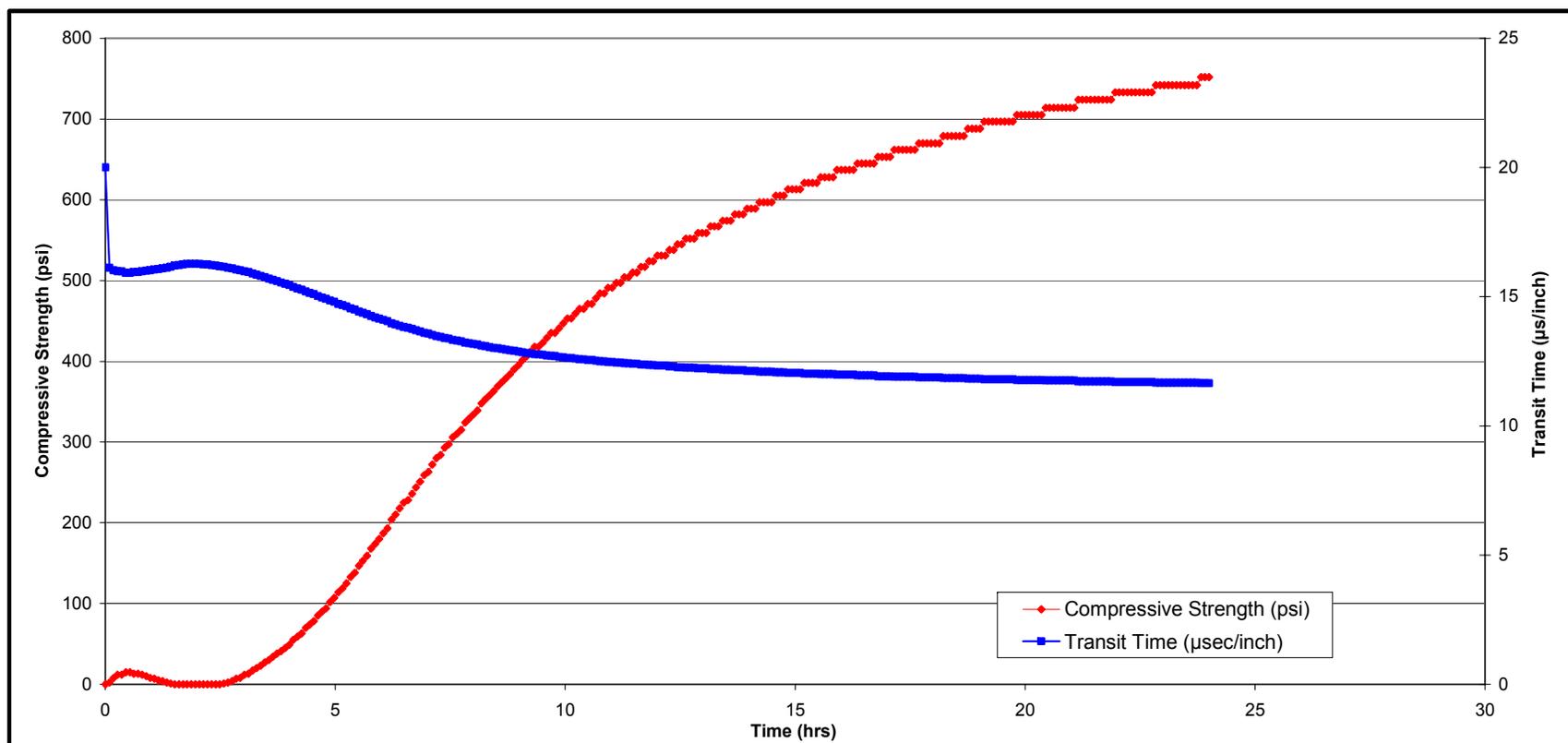
Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

Approved By : Prem kumar Salibendla/Andrew Stobie

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Project No : GAR-08-02A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 4:00
Well Name/Job : Garfish-1 / 13 3/8 Lead CSG		Strength 2 (500psi) : 11:13
Date : 26/05/2008		Current Strength (751psi) : 24:00
Pressure : 3000psi		
Temperature : 50°C/122°F		
Cement : ABC Class G & Econolite Liquid - 15gal/10bbl & NF-6 0.125 gal/10bbl & Seawater		
Density -12.5ppg ▲ yield - 2.21cuft/sk ▲ Water - 12.54gal/sk ▲ Total Fluid - 13.00gal/sk		



HALLIBURTON

CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 27/05/2008
Well Name	: Garfish-1	Reference	: GAR-08-03A
Casing Size	: 13 3/8inch		
Job Type	: Casing		
Slurry Type	: Tail		
Time to Temp	: 19min		

WELL PROPERTIES

Depth(MD from RKB)	: 750	Meters	Depth(TVD from RKB)	: 750	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 3.33	Deg.C./100M
BHST	: 50.00	Deg.C.	BHCT (per API Spec 10)	: 34.00	Deg.C.
Mud Weight	: 8.70	PPG	Water Source	: Seawater	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.13	gal/10bbl of Mix Fluid		0.002	gal/sk
CFR-3L	: 3.00	gal/10bbl of Mix Fluid		0.037	gal/sk
HR-6L	: 2.00	gal/10bbl of Mix Fluid		0.025	gal/sk
Slurry Weight	: 15.90	PPG	Slurry Yield	: 1.16	CuFt/Sack
Mixing Water	: 5.10	Gals/Sack	Total Mixing Fluid	: 5.16	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	1,424 psi
Time(hrs:mins)	: 16	2:25	2:38	2:46	34 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	2:49	UCA Max Temp	: 50 Deg C
	: 500psi	4:29	UCA Pressure	: 3000 psi
	: 3204psi	26:36		

Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

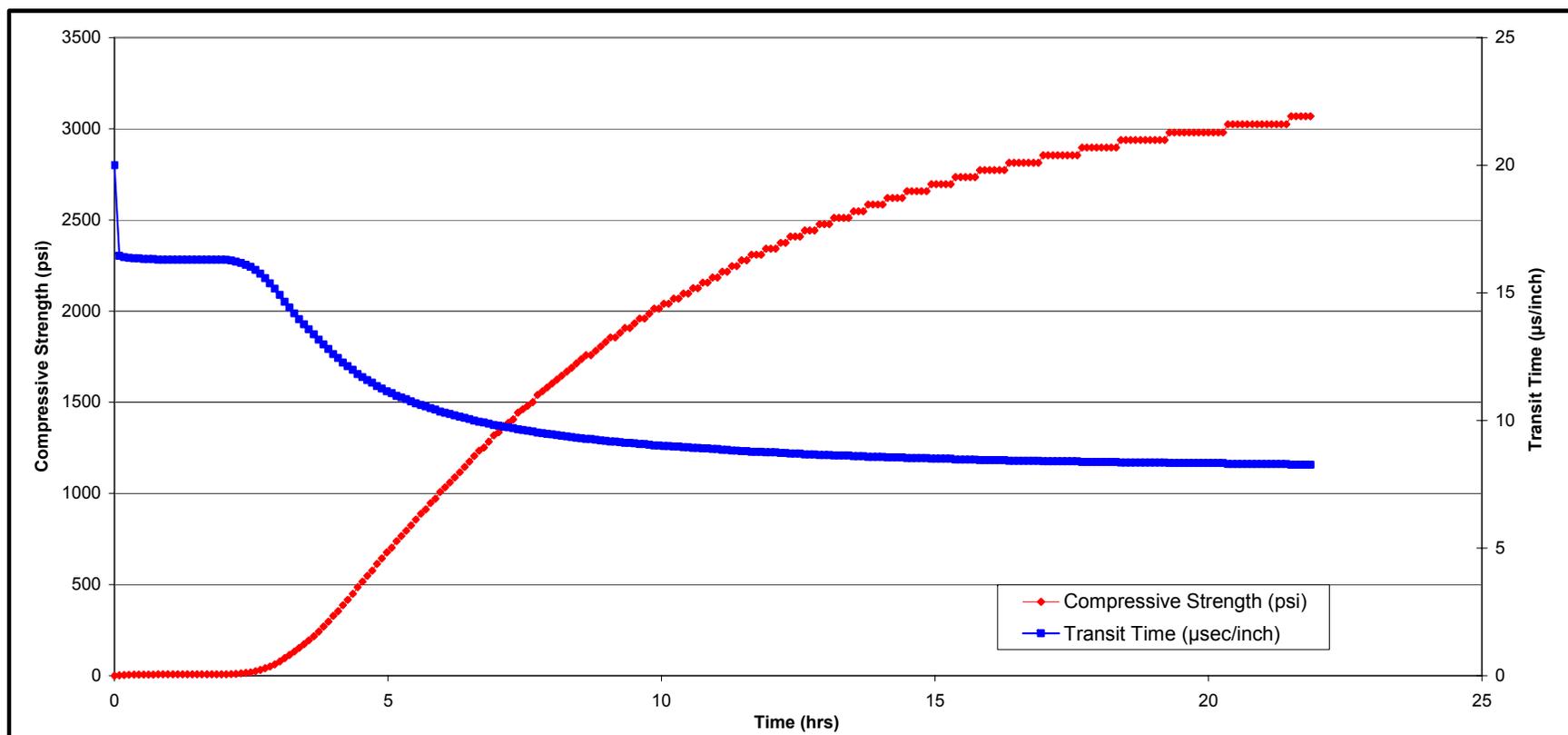
APPROVED

By Prem kumar Salibendla at 5:11 pm, May 29, 2008

Approved By : Prem kumar Salibendla/Andrew Stobie

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Project No : GAR-08-03A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 2:49
Well Name/Job : Garfish-1 / 13 3/8 Tail CSG		Strength 2 (500psi) : 4:29
Date : 27/05/2008		Current Strength (3204psi) : 26:36
Pressure : 3000psi		
Temperature : 50°C/122°F		
Cement : ABC Class G & HR-6L - 2gal/10bbl & CFR-3L - 3gal/10bbl & NF-6 0.125 gal/10bbl & Seawater		
		Density -15.9ppg ▲ yield - 1.16cuft/sk ▲ Water - 5.10gal/sk ▲ Total Fluid - 5.16gal/sk



HALLIBURTON

HALLIBURTON

CEMENT SLURRY REPORT

JOB INFORMATION

Customer	: ADA	Date	: 11/06/2008
Well Name	: Garfish-1	Reference	: GAR-08-06A
Casing Size	:		
Job Type	: Plug-1		
Slurry Type	: Plug		
Time to Temp	: 29min		

WELL PROPERTIES

Depth(MD from RKB)	: 2175	Meters	Depth(TVD from RKB)	: 2135	Meters
Surface Temperature	: 25.00	Deg.C.	Temperature Gradient	: 3.68	Deg.C./100M
BHST	: 105.00	Deg.C.	BHCT (per API Spec 10)	: 86.00	Deg.C.
Mud Weight	: 11.00	PPG	Water Source	: West Triton Drill Water	

SLURRY PROPERTIES

ABC Class G	: 94.00	Lbs/sk	From Yard		
NF-6	: 0.13	gal/10bbl of Mix Fluid		0.002	gal/sk
CFR-3L	: 3.00	gal/10bbl of Mix Fluid		0.037	gal/sk
SCR-100L	: 3.00	gal/10bbl of Mix Fluid		0.037	gal/sk
Slurry Weight	: 15.80	PPG	Slurry Yield	: 1.16	CuFt/Sack
Mixing Water	: 5.05	Gals/Sack	Total Mixing Fluid	: 5.13	Gals/Sack

THICKENING TIME

Reading (BC)	: Initial BC	30 BC	50 BC	70 BC	4,077 psi
Time(hrs:mins)	: 6	3:31	3:34	3:35	68 Deg.C.

COMPRESSIVE STRENGTH

UCA Summary	: 50psi	0:04	UCA Max Temp	: 93.3 Deg C
	: 500psi	6:20	UCA Pressure	: 3000 psi
	: 3208psi	24:33		

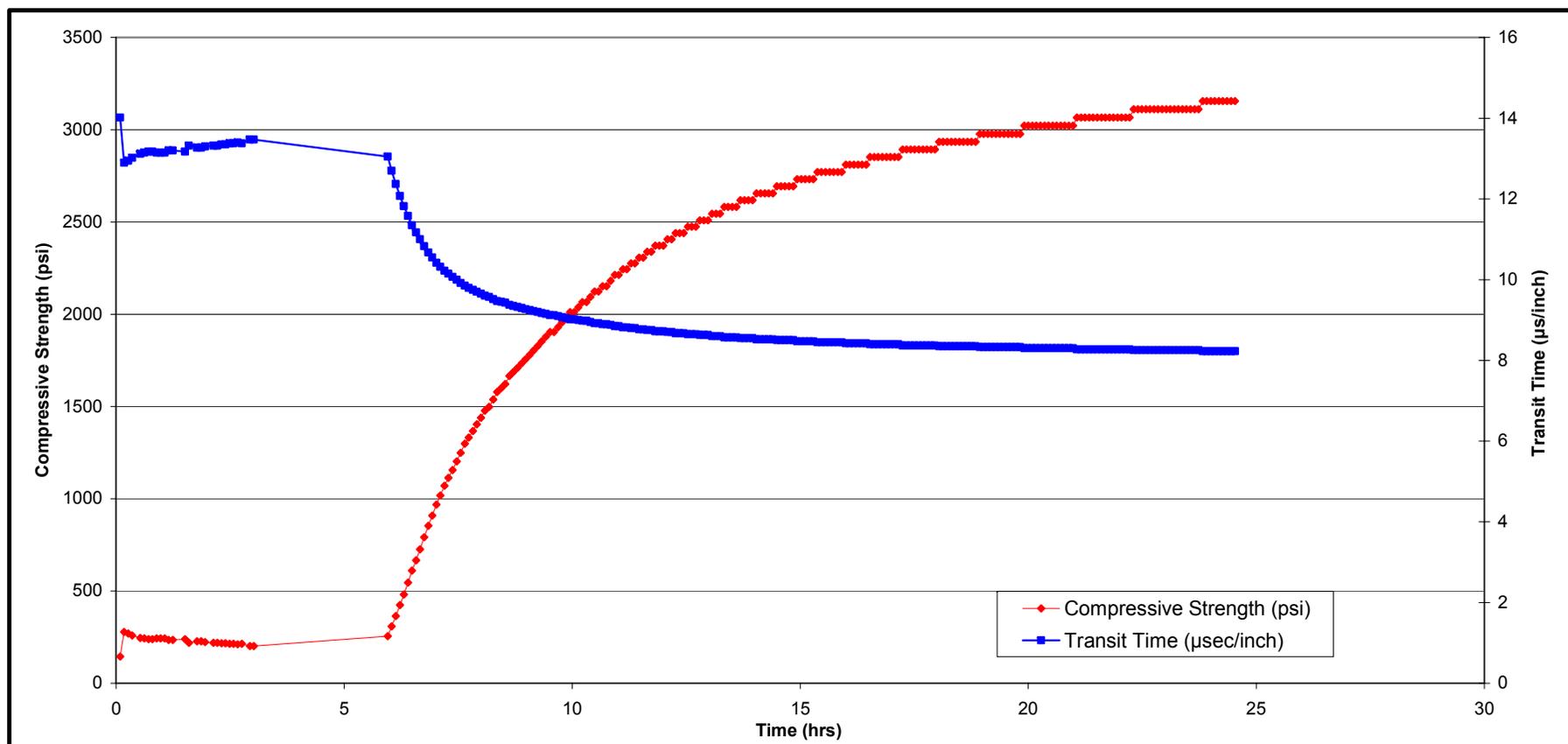
Notes : The test was conducted to the specifications provided.

Lab Test Conducted By : Daniel Gibbons

Approved By : Prem kumar Salibendla/Andrew Stobie

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Project No : GAR-08-06A	HALLIBURTON ULTRASONIC CEMENT ANALYZER	Strength 1 (50psi) : 0:04
Well Name/Job : Garfish-1 / Plug 1A		Strength 2 (500psi) : 6:20
Date : 11/06/2008		Current Strength (3208psi): 24:33
Pressure : 3000psi		
Temperature : 93.3°C/200°F		
Cement :	ABC Class G & CFR-3L - 3gal/10bbl & SCR-100L - 3gal/10bbl & NF-6 0.125gal/10bbl & Freshwater	
	Density -15.8ppg ▲ yield - 1.16cuft/sk ▲ Water - 5.05gal/sk ▲ Total Fluid - 5.13gal/sk	





6.0 Job Summary, EJCS, Job Logs

6.1 30 inch Conductor Casing

6.1.1 Job Summary

HALLIBURTON			CUSTOMER	SALES ORDER No.	DATE		
			Nexus Energy	0	29 May 2008		
CEMENT/PUMPING JOB SUMMARY							
WELL	LOCATION/FIELD NAME	COUNTRY	HES REP	CUSTOMER REP	WELL TYPE		
Garfish - 1	Bass Strait	Australia	A.Kelly	S.Schmidt	Exploration		
JOB TYPE	JOB PURPOSE CODE		BDA	RIG			
Zonal Isolation	CEMENT CONDUCTOR CASING 14161		Perth	West Triton			
PERSONNEL / EXPOSURE	HRS	PERSONNEL / EXPOSURE	HRS	PERSONNEL / EXPOSURE	HRS		
331198	Anthony Kelly	12					
127046	Rod Stares	12					
EQUIPMENT							
SAP#	PUMPING / MIXING	HOURS	SAP#	VEHICLES / TRAILERS	HOURS		
0	SKID PUMP CMT TWIN HT400 ADVANTAGE 10851913	24					
0	Electric Hydraulic Package 10851913	24					
0	4 Tank Electric CMS 109658	24					
SAP#	BULK SUPPLY / TANKS	HOURS	SAP#	OTHER EQUIPMENT	HOURS		
#N/A	Rig supplied Bulk system						
FLOAT EQUIPMENT AND CASING EQUIPMENT							
SAP#	FLOAT EQUIPMENT	QTY	SAP#	PLUGS	QTY		
SAP#	CASING ATTACHMENTS	QTY	SAP#	OTHER	QTY		
WELL PROFILE							
NEW CASING	OPEN HOLE + EXCESS OR CALIPER DATA	PREVIOUS CASING ONE	PREVIOUS CASING TWO				
30 x 24" in 309.7ppf	36in + 200% excess 94.25m to 129.65m						
0m to 129.65m MD, m TVD							
FOR PLUG AND LINER JOBS PLEASE INDICATE WORKSTRING 5.5in 24.7ppf S135 XT 57							
CEMENT DESIGN							
SLURRY 1 - Single							
DENSITY 15.9ppg	WATER REQ 5.16gal/sk	DENSITY	WATER REQ	DENSITY	WATER REQ		
YIELD 1.17cuft/sk	MIX FLUID REQ 5.2gal/sk	YIELD	MIX FLUID REQ	YIELD	MIX FLUID REQ		
WATER SOURCE : Sea.	CEMENT TYPE: ABC Class 'G' @ 94 lb/sk	WATER SOURCE :	CEMENT TYPE: ABC Class 'G' @ 94 lb/sk	WATER SOURCE :	CEMENT TYPE:		
Total Cement Used 719 sks	Estimated TOC 94.25 m	Total Cement Used	Estimated TOC	Total Cement Used	Estimated TOC		
Additive	Concentration	Total Used	Additive	Concentration	Total Used		
Calcium Chloride	1 %BWOC	26 lbs					
NF-6		2 gals					
PUMPING SCHEDULE							
FLUID DESCRIPTION	VOLUME bbls	DENSITY ppg	RATE bpm	FLUID DESCRIPTION	VOLUME bbls	DENSITY ppg	RATE bpm
1) sea water	10	8.54	8	5)			
2) Sea water	90	8.54	8				
3) Cement + 1% Cal/Chl	150	15.9	5				
4) Sea Water	24	15.9	8				
ADDITIONAL COMMENTS							
Job went very well. no incidents no unplanned shutdowns, and full returns to sea bed							

6.2 13 3/8" CASING

6.2.1 Job Summary

PERSONELL											
PERSONNEL / EXPOSURE		hrs	PERSONNEL / EXPOSURE		hrs	PERSONNEL / EXPOSURE		hrs	PERSONNEL / EXPOSURE		hrs
127046	Rodney Stares	12	331198	Anthony Kelly	12						
EQUIPMENT											
SAP#	PUMPING / MIXING				HOURS	SAP#	BULK SUPPLY / TANKS				HOURS
10951913	SKD ADVANTAGE 25DZ2 - WEST TRITON				12						
FLOAT EQUIPMENT AND CASING EQUIPMENT											
SAP#	FLOAT EQUIPMENT				QTY	SAP#	PLUGS				QTY
	13 3/8 Butress Float shoe				1						
SAP#	CASING ATTACHMENTS				QTY	SAP#	OTHER				QTY
	13 3/8" Centraliser				10						
WELL PROFILE											
NEW CASING			OPEN HOLE + EXCESS OR CALIPER DATA				PREVIOUS CASINGS				
Non Tapered Casing , SSR, 0m shoe track											
13.375in 68ppf K55 Butt : 632.5m to 746.39m MD, 746.39m TVD			17.5in, 50 percent excess, 129.5m to 755m				30"x24" in, ppf, 94.25m to 129.65m				
13.375in 72ppf P110 Vam Top : 632.5m to 506.65m MD, 506.65m TVD											
13.375in 72ppf SM95T Vam Top : 506.65m to 102.65m MD, 102.65m TVD											
FOR PLUG AND LINER JOBS PLEASE INDICATE WORKSTRING 5.5in 24.7ppf Drill Pipe with 724m of in ppf Stinger											
CEMENT DESIGN											
Lead			Tail			J					
DENSITY	12.5ppg	WATER	12.54gal/sk	DENSITY	15.9ppg	WATER	5.10gal/sk	DENSITY	0.0ppg	WATER	0.00gal/sk
YIELD	2.21cuft/ft	MIX FLUID	13.00gal/sk	YIELD	1.16cuft/ft	MIX FLUID	5.16gal/sk	YIELD	0.00cuft/ft	MIX FLUID	0.00gal/sk
WATER SOURCE	Seawater		WATER SOURCE	Seawater		WATER SOURCE	Seawater				
CEMENT TYPE	ABC Class 'G' at 94lb/sk		CEMENT TYPE	ABC Class 'G' at 94lb/sk		CEMENT TYPE	ABC Class 'G' at 94lb/sk				
Total Cement Used	961sks		Total Cement Used	304sks		Total Cement Used	304sks				
Estimated TOC	96.25m		Estimated TOC	646.39m		Estimated TOC	646.39m				
Additive	Concentration	Total Used	Additive	Concentration	Total Used	Additive	Concentration	Total Used	Additive	Concentration	Total Used
Econolite Liquid	15 gal/10bbl	530gals	CFR-3L	3 gal/10bbl	15gals						
			HR-6L	2 gal/10bbl	8gals						
END OF JOB DETAILS											

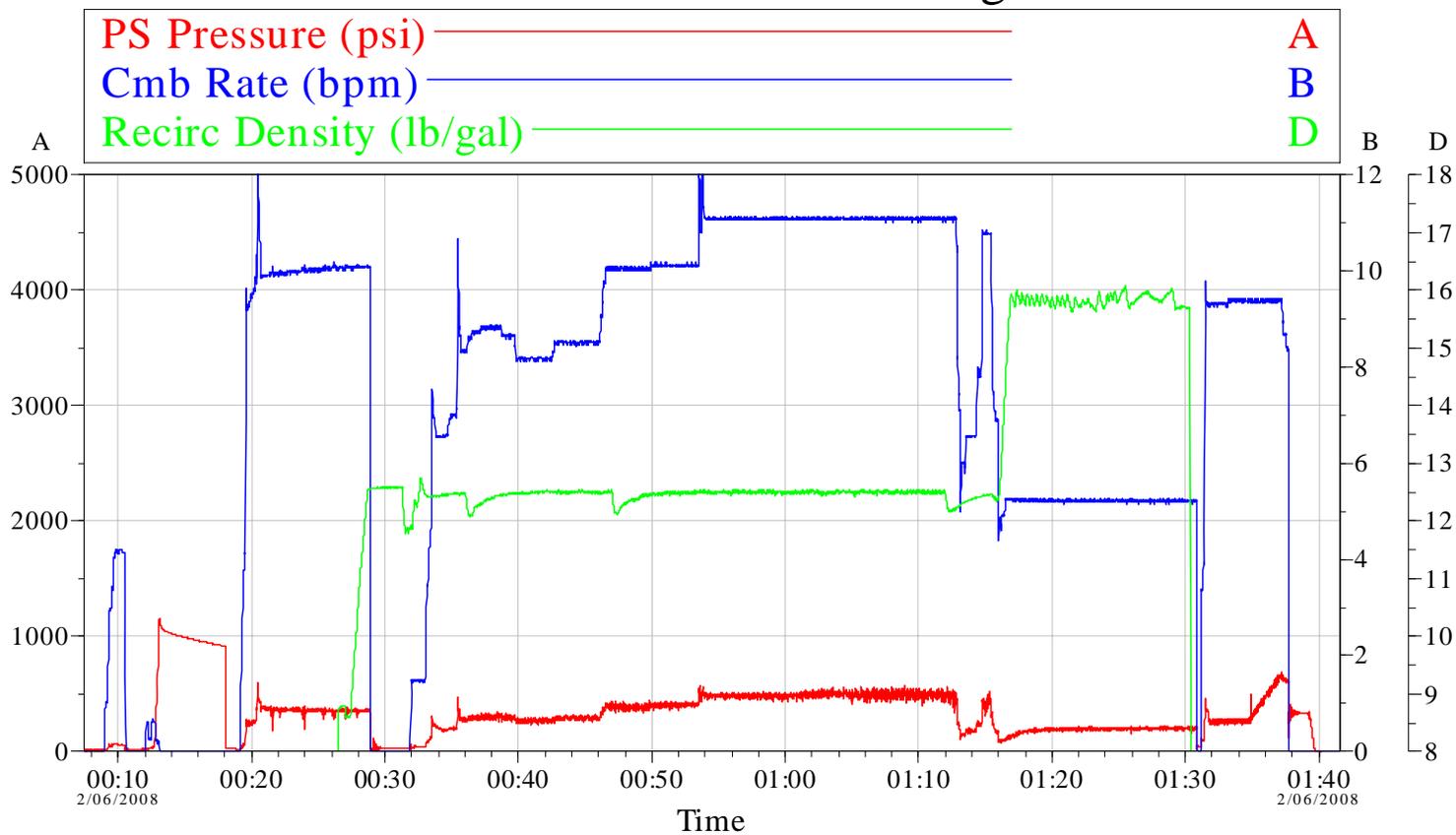


6.2.2 JOB LOGS

HALLIBURTON			CUSTOMER		SALES ORDER No.	DATE
			ADA			2 June 2008
CEMENT/PUMPING JOB SUMMARY						
WELL	LOCATION/FIELD NAME	COUNTRY	HES REP		CUSTOMER REP	WELL TYPE
Exploration	Bass Strait	Australia	R. Stares		S. Schmidt	Exploration
JOB TYPE		JOB PURPOSE CODE			BDA	RIG
Zonal Isolation		SURFACE CASING 7521			Perth	West Triton
JOB LOGS						
DATE DAY-MTH-YR	TIME HRS:MIN	VOLUME BBLs	PRESSURE (psi)		RATE BPM	JOB DESCRIPTION
			HIGH	LOW		REMARKS/DETAILS
2/06/2008	0:00					JSA on rig floor
	0:12	5	200		4	Pump 5 bbls drillwater
	0:15		1000			Line test 1000 psi
	0:18	95	450		10	Pump 95 bbls seawater
	0:26	377	500			Mix and pump 377 bbls lead slurry @12.5ppg
	1:14	63	250		5	Mix and pump 63 bbls tail slurry @15.9ppg
	1:31	57	300		9.5	Pump 57 bbls seawater displacement. Final circulating press. 650psi
	1:39		0			Bleed off, floats holding
						Cement used:
						58 MT Class G
						Chemicals used:
						15 gal CFR3-L
						8 gal HR6-L
						3 gal NF-6
						530 gal Econolite

6.2.4 Pumping Char

Garfish #1 13 3/8" Casing



Customer: ADA	Job Date: 2-6-08
Well Description: Garfish #1	Job: 13 3/8" Casing

CemWin v1.7.2
 02-Jun-08 11:02

HALLIBURTON

6.3 P&A Plugs

6.3.1 KPI&EJCS

HALLIBURTON			CUSTOMER	SALES ORDER NO.	DATE
			ADA		10 June 2008
CEMENT/PUMPING JOB SUMMARY					
WELL	LOCATION/FIELD NAME	COUNTRY	HES REP	CUSTOMER REP	WELL TYPE
Garfish 1	Rain Street	Australia	Robert Bridgman	W. Opatowich	Exploration
JOB TYPE	JOB PURPOSE CODE		REA		PSI
Down location	PLUS TO ABANDON TSD				Well Treat

KEY PERFORMANCE INDICATORS	
TYPE OF JOB (Cementing or Non-Cementing): Select the job type (Cementing or Non-Cementing)	<input type="text" value="Cementing"/>
TOTAL OPERATING TIME (hrs) Rig up/Pumping/Rig Down	<input type="text" value="24.5 hrs"/>
HSE INCIDENT, ACCIDENT, INJURY: This should be recordable incidents only	<input type="text" value="NO"/>
WAS THE JOB DELIVERED CORRECTLY AS PER JOB DESIGN? This will be dictated by the customer	<input type="text" value="YES"/>
TOTAL TIME PUMPING (hrs) Total number of hours pumping fluid on the job	<input type="text" value="8.0 hrs"/>
NON-PRODUCTIVE RIG TIME: As a result of Halliburton cementing PSL	<input type="text" value=""/>
NUMBER OF JSA'S PERFORMED:	<input type="text" value="5"/>
NUMBER OF UNPLANNED SHUTDOWNS (After starting to pump)	<input type="text" value=""/>
TYPE OF RECLASSIFICATION JOB WAS PERFORMED ON:	<input type="text" value="JACKUP"/>
REASON FOR UNPLANNED SHUTDOWNS (After starting to pump) Add details in job log	
REASON FOR NON-PRODUCTIVE RIG TIME (Cementing PSL responsibility): Add details in job log	
WAS THIS A PRIMARY CEMENT JOB (YES / NO)	<input type="text" value="NA"/>
PRIMARY CEMENT JOB = Casing job, Liner Job, Be back	
DID WE RUN WIPER PLUGS?	<input type="text" value="None"/>
WAS THIS A PLUG OR SQUEEZE JOB?	<input type="text" value="Plug Job"/>
WAS THIS A PRIMARY OR REMEDIAL JOB? Remedial = Repeated attempts or corrections of initial cement job	<input type="text" value="Primary"/>
WAS JOB DENSITY OF JOB STAYED IN DESIGNED RANGE? Density defined as $\frac{Wt \% \text{ Spgr}}{100}$. Calculation: Total lbs cement mixed at designed density divided by total lbs of cement multiplied by 100	<input type="text" value="99%"/>
WAS AUTOMATED DENSITY CONTROL USED?	<input type="text" value="YES"/>
JOB WAS PUMPED AT DESIGNED PUMP RATE? Pump rate target defined as $\frac{Wt \text{ Accr}}{100}$. Calculation: total lbs of fluid pumped at the designed rate divided by total lbs of fluid pumped multiplied by 100	<input type="text" value="98%"/>
NUMBER OF REMEDIAL SQUEEZE JOBS REQUIRED - HES	<input type="text" value=""/>
NUMBER OF REMEDIAL SQUEEZE JOBS REQUIRED - COMPETITION	<input type="text" value=""/>
NUMBER OF REMEDIAL PLUG JOBS REQUIRED - HES	<input type="text" value=""/>

EJCS / CUSTOMER COMMENTS

Please indicate your responses by placing a tick in the box underneath the rating that best matches your opinion.

Dear Customer,

We hope you were happy with the service quality of this job performed by Halliburton. It is the aim of our management and service personnel to deliver equipment and services of a standard unmatched in the service sector of the energy field.

Customer Comment	1	2	3	4	5
Did our personnel perform the job to your satisfaction?					<input checked="" type="checkbox"/>
Did our equipment perform the job to your satisfaction?				<input checked="" type="checkbox"/>	
Did we perform the job to the agreed upon design?			<input checked="" type="checkbox"/>		
Did our products and materials perform as you expected?			<input checked="" type="checkbox"/>		
Did we perform in a safe & careful manner? PPE, Hot/Flam tags, JSA			<input checked="" type="checkbox"/>		
Did we perform in an environmentally sound manner? Spills, shakers, clean up			<input checked="" type="checkbox"/>		
Was the job performed as scheduled? On time, as designed/success		<input checked="" type="checkbox"/>			
Did the equipment condition & appearance meet your expectations?		<input checked="" type="checkbox"/>			
How well did our personnel communicate during mobilization, rig up and job execution?		<input checked="" type="checkbox"/>			

Overall, I was satisfied with Halliburton's job performance.

Customer Comments? (What can we do to improve/maintain our services?)

GOOD PERFORMANCE BY NICKEL & ROSS!

Customer Signature: *[Signature]* Date: *16/6/08*

6.3.2 SUMMARY

PERSONELL																			
PERSONNEL / EXPOSURE			hrs	PERSONNEL / EXPOSURE			hrs	PERSONNEL / EXPOSURE			hrs	PERSONNEL / EXPOSURE			hrs				
126997	Nigel Lucas		30	386793	Robert Bridgman		30												
EQUIPMENT																			
SAP# PUMPING / MIXING					HOURS					SAP# BULK SUPPLY / TANKS					HOURS				
10951913 SKD ADVANTAGE 25DZ2 - WEST TRITON					12														
WELL PROFILE																			
NEW CASING				OPEN HOLE + EXCESS OR CALIPER DATA				PREVIOUS CASINGS											
Non Tapered Casing, SSR, 0m shoe track				8.5in, 20 percent excess, m to m				13 38in, 68ppf, 102.65m to m 13.375in, 72ppf, m to m 13.375in, 72ppf, m to 746.39m											
FOR PLUG AND LINER JOBS PLEASE INDICATE WORKSTRING										5.5in 24.7ppf Drill Pipe with 106m of 2.875in 6.5ppf Stinger									
CEMENT DESIGN																			
Plug			Plug			Plug													
DENSITY	15.8ppg	WATER	5.12gal/sk	DENSITY	15.8ppg	WATER	5.12gal/sk	DENSITY	15.8ppg	WATER	5.12gal/sk								
YIELD	1.16cuft/ft	MIX FLUID	5.12gal/sk	YIELD	1.16cuft/ft	MIX FLUID	5.12gal/sk	YIELD	1.16cuft/ft	MIX FLUID	5.12gal/sk								
WATER SOURCE	Drillwater			WATER SOURCE	Drillwater			WATER SOURCE	Seawater										
CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	ABC Class 'G' at 94lb/sk										
Total Cement Used	6MT			Total Cement Used	7MT			Total Cement Used	12MT										
Estimated TOC	2190m			Estimated TOC	2060m			Estimated TOC	670m										
Additive	Concentration	Total Used		Additive	Concentration	Total Used		Additive	Concentration	Total Used									
SCR-100L	3 gal/10bbl	5gals		CFR-3L	3 gal/10bbl	6gals		CFR-3L	3 gal/10bbl	9									
CFR-3	3 gal/10bbl	5gals		SCR-100L	3 gal/10bbl	6gals		HR-6L	2 gal/10bbl	6									
NF-6L	0.12 gal/10bbl	1gals		NF-6L	0.12 gal/10bbl	1													
Plug			0			0													
DENSITY	15.9ppg	WATER	5.20gal/sk	DENSITY	0.0ppg	WATER	0.00gal/sk	DENSITY	0.0ppg	WATER	0.00gal/sk								
YIELD	1.16cuft/ft	MIX FLUID	5.20gal/sk	YIELD	0.00cuft/ft	MIX FLUID	0.00gal/sk	YIELD	0.00cuft/ft	MIX FLUID	0.00gal/sk								
WATER SOURCE	Seawater			WATER SOURCE	at lb/sk			WATER SOURCE	at lb/sk										
CEMENT TYPE	ABC Class 'G' at 94lb/sk			CEMENT TYPE	MT			CEMENT TYPE	MT										
Total Cement Used	11MT			Total Cement Used	m			Total Cement Used	m										
Estimated TOC	120m			Estimated TOC	m			Estimated TOC	m										
Additive	Concentration	Total Used		Additive	Concentration	Total Used		Additive	Concentration	Total Used									
END OF JOB DETAILS																			

6.3.3 JOB LOGS

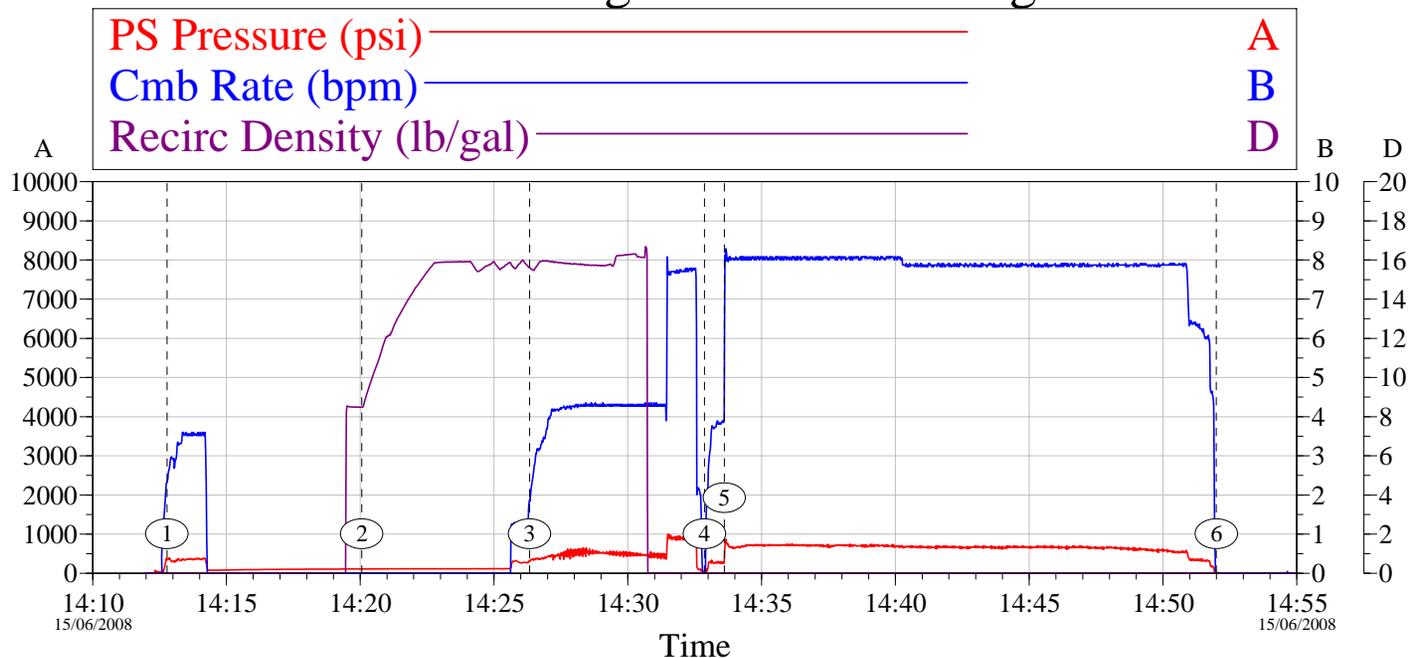
HALLIBURTON			CUSTOMER		SALES ORDER No.	DATE
			ADA			15 June 2008
CEMENT/PUMPING JOB SUMMARY						
WELL	LOCATION/FIELD NAME	COUNTRY	HES REP		CUSTOMER REP	WELL TYPE
Exploration	Bass Strait	Australia	Robert Bridgman		W. Openshaw	Exploration
JOB TYPE		JOB PURPOSE CODE			BDA	RIG
Zonal Isolation		PLUG TO ABANDON 7528			Perth	West Triton
JOB LOGS						
DATE	TIME	VOLUME	PRESSURE (psi)		RATE	JOB DESCRIPTION
DAY-MTH-YR	HRS:MIN	BBLs	HIGH	LOW	BPM	REMARKS/DETAILS
15-Jun-08	13:55					Hold JSA and Pre Job safety Meeting
						PLUG # 1
	14:06	5	280		2.5	Pump 5 BBL of drill water spacer
	14:08		1200			Pressure test Lines to 1200 PSI
	14:12	5	350		3.5	Pump 5 BBL of drill water spacer
	14:20					Batch Mix Cement
	14:26	25	317		4.2	Mix and Pump Cement down Hole
	14:32	5	42		4	Pump Drill water Spacer
	14:33	141	850		8.2	Displace with Drilling Mud
	14:52		0			End Displacing, Check for flow Back
						PLUG # 2
	16:38					Batch Cement
	16:40	5	600		2	Pump 5 BBL Drillwater Spacer
	16:43		1600			Pressure Test to 1600 PSI
	16:46	5	500		1.5	Pump 5 BBL Drillwater Spacer
	16:48	32	200		4	Mix and Pump 32 BBL Cement
	16:58	5	100		2.5	Pump 5 BBL Drillwater Spacer
	16:59	130	500		8	Displace with Drill Mud
	17:16					End Displacing and check flowback
16/06/2008						Plug #3
	3:38					JSA with drill crew
	3:48	3	200		7	Pump 3 BBL sea water Spacer
	3:52		1200			Pressure Test Lines to 1200 psi
	3:56	2	200		4	Pump 2 BBL sea water Spacer
	3:59					Mix cement @ 15.9 ppg
	4:05	55	60		4.5	Mix and pump cement Down Hole @15.9 ppg
	4:17	2	100		4	pump sea water spacer
	4:19	40	79		8	Displace with Drill Mud
16/06/2008						PT shoe Plug
	8:48		1200			Pressure Test Plug # 3 (Plug over 13 3/8 shoe)
16/06/2008						Top of # 4 Plug 120 Mtrs
	11:12	4	100		4.5	Pump 4 BBL sea water Spacer
	11:14		1000			Pressure Test lines 1000 PSI



	11:18	49	50		6	Mix and Pump cement @ 15.9 ppg
	11:32	5	50		6	Displace with 5 BBL drill water
	15:00					Clean up around Cement Unit and Prepare Unit for Rig Move
						Chemicals Used on Plug to Abandon Program fo Garfish #1
						Cement Class "G" 35 MT
						CFR-3 (Friction Reducer) 20 US Gals
						SCR 100L (Retarder) 15 gals
						HR-6L (Retarder) 10 Gallons
						NF-6 (Defoamer) 5 Gallons

6.3.4 PUMPING CHARTS

Garfish #1 Plug and abandon Plug #1

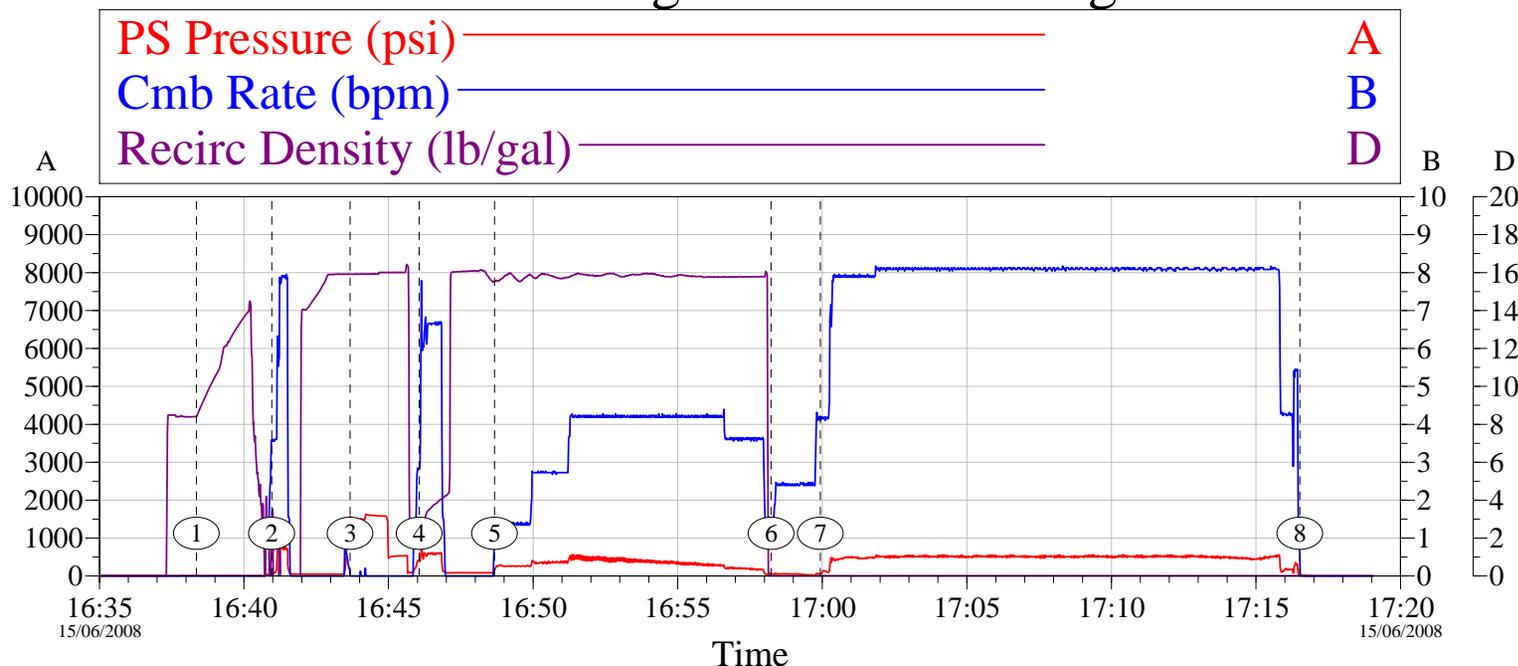


Intersection		Event Log		Intersection			
		PP		PP			
①	Pump Drill water spacer	14:12:47	350.6	②	Mix cement	14:20:03	108.2
③	Pump Cement Down Hole	14:26:20	317.7	④	Pump 5 BBL drill water spacer	14:32:52	42.87
⑤	Displace with Drilli Mud	14:33:37	386.7	⑥	End dispalcing, check Flow back.	14:52:00	21.65

Customer: ADA Nexus	Job Date: 15/6/08
Well Description: Garfish # 1	Job: P & A Plug #1

TG Version G3.4.1
 16-Jun-08 14:19

Garfish #1 Plug and abandon Plug #2

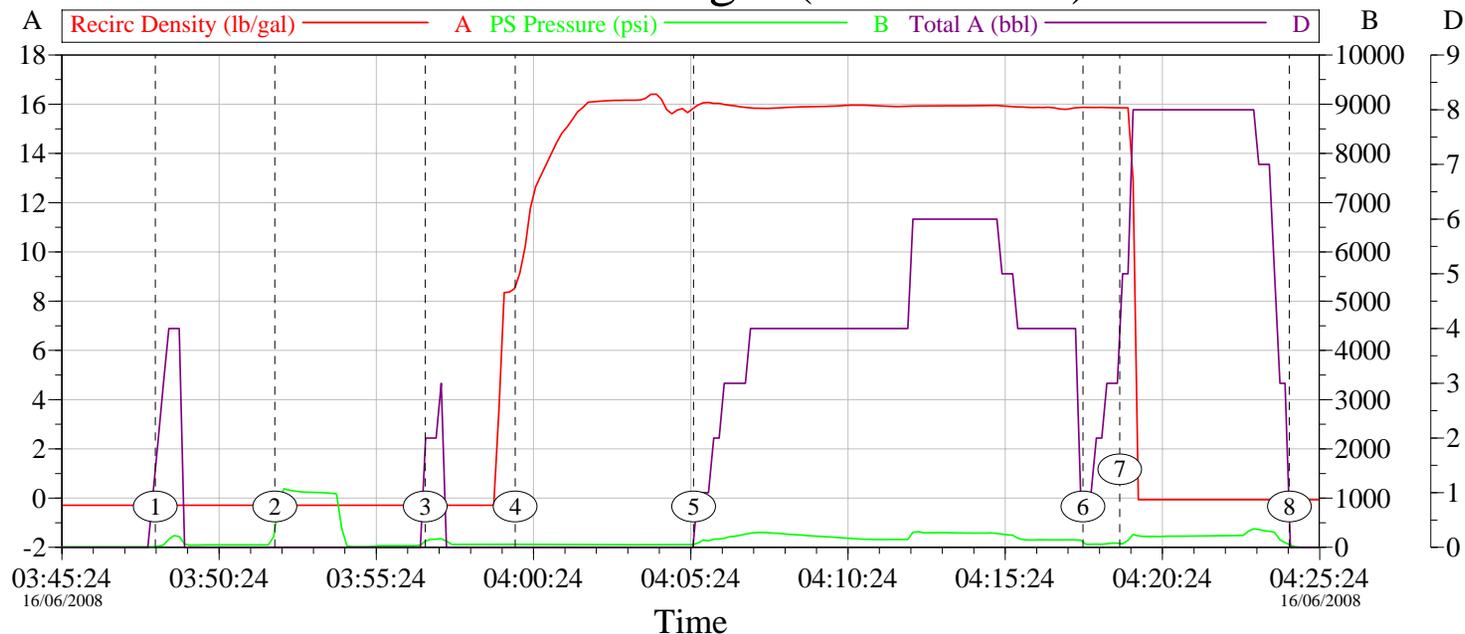


Intersection		Event Log		Intersection			
		PP		PP			
①	Batch Cement	16:38:21	9.121	②	Pump 5 BBL Drillwater Spacer	16:40:58	69.67
③	Pressure Test 1600 PSI	16:43:40	1569	④	Pump 5 BBL Drill water Spacer	16:46:04	395.2
⑤	Mix and Pump 32 BBL Cement	16:48:40	145.8	⑥	Pump 5 BBL drill water spacer	16:58:14	53.84
⑦	Displace with Drill mud	16:59:56	61.44	⑧	End Displacing and check flow back	17:16:31	23.23

Customer: ADA Nexus	Job Date: 15-06-2008
Well Description: Garfish # 1	Job: P & A Plug 2

TG Version G3.4.1
 16-Jun-08 14:27

Garfish P & A Plug 3 (across shoe)

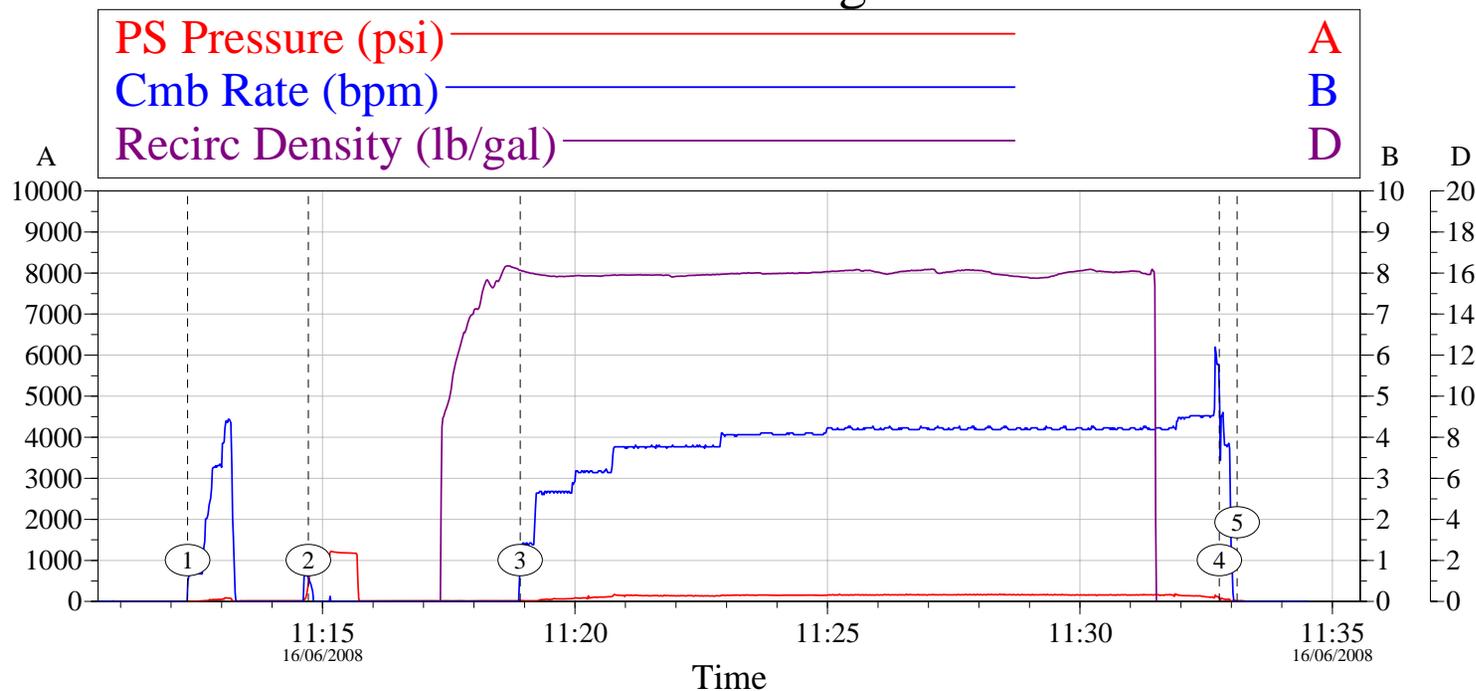


Intersection		Event Log		Intersection		PP	
①	Pump 3 BBL sea water spacer	03:48:22	18.17	②	Pressure Test 1200 PSI	03:52:10	391.7
③	Pump 2 BBL sea water Spacer	03:56:57	124.6	④	mix cement @15.9 ppg	03:59:49	59.89
⑤	mix and pump down hole @15.9ppg	04:05:29	60.24	⑥	pump sea water spacer	04:17:52	109.4
⑦	Displace with Drill Mud	04:19:03	79.89	⑧	End displacing and check fow back	04:24:26	53.16

Customer: Nexus Well Desc: Garfish #1	Job Date: 16-6-2008 JOB: Plug across shoe	Ticket #:
--	--	-----------

TG Version G3.4.1
 16-Jun-08 18:12

Garfish #1 Plug #4



Intersection		Event Log		Intersection			
		PP		PP			
①	Pump 4 BBL sea water	11:12:20	7.551	②	Pressure test 1000 PSI	11:14:43	415.3
③	Mix and pump 49BBL Cement @ 15.9 ppg	11:18:55	28.56	④	Displace with 5 BBL sea water	11:32:46	81.67
⑤	End Dispalcing and check for flow back	11:33:07	19.18				

Customer: Nexus	Job Date: 16/6/08
Well Description: Garfish #1	Job: P & A Plug #4

TG Version G3.4.1
16-Jun-08 14:10

APPENDIX 5: BIT RECORD

DFE above MSL : 39.90m

Lat : 38 Deg 6 Min 38.084 Sec

Spud Date : 28 May 2008

Release Date : 19 Jun 2008

Water Depth : 56m

Long : 148 Deg 15 Min 17.147 Sec

Spud Time: 13.30

Release Time: 09.00

Bit Record

Well: Garfish-1																											
Date In	Date Out	IADC	Bit#	Size (in)	Ser #	Mfr	Type	Jets	TFA	D.In (m)	D.Out (m)	Prog (m)	Hrs IADC	ROP (ft/hr)	SPP (psi)	Flow (gpm)	WOB (klb)	RPM	MW (ppg)	I	O1	D	L	B	G	O2	R
28 May 2008	28 May 2008	111	1	26.00	34406	REED	YC11	3 x 22 1 x 16	1.31	96.3	132.0	35.7	1.5	23.8	750	850	5.00	50	70.93	1	1	WT	A	2	I	RR	TD
29 May 2008	29 May 2008	115	2	22.00	MZ3173	Smith Bits	XR+ C	3 x 22 1 x 16	1.31	132.0	132.0	0	1		1000	800	10.00	70	70.93	0	0	NO	A	0	I	NO	BHA
30 May 2008	31 May 2008	115	3	17.50	MZ1061	Smith Bits	XR+C	3 x 22 1 x 18	1.362	132.0	755.0	623	19.5	31.95	1850	1000	15.00	150	70.93	2	2	WT	A	3	I	NO	TD
04 Jun 2008	05 Jun 2008	215	4	12.25	MX 8625	SMITH	SVHC	4 x 18	0.994	755.0	758.0	3	0						73.72	1	1	RR	A	E	I	RR	TD
05 Jun 2008	09 Jun 2008		5	8.50	117876	Reed Hycalog	RSX519M-A2	5 x 14 2 x 10	0.905	758.0	2450.0	1692	65	26.03	2800	800	33.00	145	48.41	3	7	RO	T	X	I	WT	CP
09 Jun 2008	11 Jun 2008	215	6	8.50	7210843	BHI (Hughes C	BHC409Z		0	2450.0	2470.0	20	16	1.25	1000	250	20.00	100	42.19	0	0	NO	A	X	I	RR	TD
11 Jun 2008	12 Jun 2008		7	8.50	215985	Reed Hycalog	RSX616M-D2	3 x 14 3 x 15	0.969	2470.0	2590.0	120	10	12	2350	800	20.00	140	39.80	8	7	RO	S	X	I	BT	PR

APPENDIX 6: DRILLING FLUIDS SUMMARY



HALLIBURTON

Fluid Systems

BAROID FLUID SERVICES RECAP

**NEXUS ENERGY PTY LTD
WEST TRITON
BASS STRAIT, VICTORIA**

Garfish 1

T

Prepared by: E Edwards
Waldhuter
B Auckram
J Munford

Date: June, 2008

Table of Contents

1. WELL SUMMARY
2. COST SUMMARY
3. PERFORMANCE SUMMARY
4. INTERVALS (36", 17 1/2" and 8 1/2" Hole)
5. Plug and Abandon
6. GRAPHS
 - Daily
 - Cost Vs Depth
 - Recap Mud Properties Vs Depth Set 1
 - Recap Mud Properties Vs Depth Set 2
 - Recap Mud Properties Vs Depth Set 3
7. POST WELL AUDIT
 - Well Summary
 - Total
 - Cost Breakdown
 - Net
 - Well Cost Breakdown
 - Interval
 - Summary
 - Interval
 - Cost Breakdown
 - Interval
 - Inventory Report
 - Fluid
 - Volume Record
 - Interval
 - Chemical Concentrations
 - Fluid
 - Property Recap
 - Fluid
 - Program Exceptions Report
 - Operations
 - Log Recap
 - Well
 - Deviation (Actual)
8. DAILY MUD REPORTS

1. WELL SUMMARY

1.1 Well Data

Well Name	:	Garfish 1
Operator	:	Nexus Energy Pty Ltd
Well Type	:	Vertical/Exploration
Bottom Hole Temperature	:	N/A
Maximum Inclination	:	N/A
Location	:	VIC/L29, Gippsland Basin, Victoria
Contractor/Rig	:	West Triton
Start Date (Rig)	:	25/05/2008
Baroid On Location	:	25/05/2008
Drill Out Date	:	27/05/2008
RT to Mudline	:	77.5 m
Total Depth	:	2590m
Date TD Reached	:	12/06/2008
Total Days Actual Drilling	:	6
Date Released	:	19/06/2008
Total Days on Well	:	25
Drilling Cuttings Volume	:	187m ³

Formation Tops

This well was Drilled “Tight Hole” – no formation data available.

Formation	MDRT (m)	TVDRT (m)	Length (m MD)
Total Depth			

1.3 Casing Program

30	Conductor	@	128 m MDRT
13 ³ / ₈	Intermediate Casing	@	746.5 m MDRT

1.4 Personnel

Drilling Supervisors	:	Bill Openshaw	Stefan Schmidt
	:		
Baroid Field Service Reps.	:	Eugene Edwards	Tim Waldhuter
		James Munford	Brian Auckram

2. COST SUMMARY

2.1 Drilling Fluid Costs

	Drilling Fluid	Hole Size	MD From	MD To	Cost USD \$
1.	Seawater and Viscous Sweeps Pad Mud / Displacement Mud	36" x 17.5"	96.2m (36") 128m (17.5")	132m (36") 755 m (17.5")	16,152.66
3.	KCL/POLYMER	8.5"	755 m	2590 m	153,742.35
Mud Materials Used For Drilling				USD \$	169,895.01
Mud Materials Used For Cementing				USD \$	386.96
Mud Materials Used For Completion				USD \$	0
Other Materials Used (Cleaning Pits & Rig Cleaning)				USD \$	0
Products Lost / Damaged				USD \$	0
Solids Control / Waste Management Cost				USD \$	0
Total Materials				Total USD \$	170,281.97

2.2 Engineering Costs

Service Representatives	From (date)	To (date)	Days
James Munford	26/05/08	28/05/08	3
Edwards Eugene	26/05/08	04/06/08	10
Tim Waldhuter	29/05/08	11/06/08	14
Brian Auckram	05/06/08	17/06/08	13
James Munford	12/06/08	18/06/08	7
Total Days:			47
Service Cost	@ USD \$ 1250	USD \$	58,750
Total Cost of Materials & Engineering:		USD \$	229,031.97

3. PERFORMANCE SUMMARY

3.1 Comments

The Jack-up West Triton was moved from the Wardie-1 location to the Garfish-1 location on the 25th May 2008.

3.2 Performance Indicators

Interval 1. (96.25m–755 m) – 36”x 17.5” Interval	Program	Actual	Achieved (+/- 10 %)
• Drilled, m	694	659	Yes
• Volume Built, bbl	4679	3195	No
• Dilution Rate, bbl/m	NA	NA	NA
• Consumption Rate, bbl/m	6.74	4.85	No
• Mud Cost / bbl, US\$	6.19	5.06	No
• Mud Cost / m, US\$	41.72	24.5	No
• Interval Mud Cost, US\$	28,956	16,152.66	No

Interval 2. (755m – 2,590m) – 8.5 ” Interval	Program	Actual	Achieved (+/- 10 %)
• Drilled, m	1773	1835	Yes
• Volume Built, bbl	4487	2255	Yes
• Dilution Rate, bbl/m	1.75	1.01	No
• Consumption Rate, bbl/m	5.98	1.23	No
• Mud Cost / bbl, US\$	56.47	68.18	No
• Mud Cost / m, US\$	337.81	83.78	No
• Interval Mud Cost, US\$	253,359	153,742.35	No

3.3 Explanation of Non-Conformance

Interval 1: 36” and 17.5”

The volume of Pre-Hydrated Bentonite (PHB) mud built for sweeps and the cost was lower than programmed. This was due to 480 bbls of old KCL mud from Wardie 1, being used as displacement fluid. The depth of hole drilled was 35m shallower. The PHB was mixed at 30-40ppb and cut back with 30-50% sea water and 0.3ppb lime to maintain programmed viscosity.

Drilling the 17.5” section, seawater was used with 30 bbls of flocculated PHB high viscosity sweeps pumped on every 15m drilled and 30 bbls of PHB spotted on bottom on connections. At TD 755m at 150 bbls PHB sweep was pumped and the hole circulated clean with seawater. The well was then displaced to PHB mud to provide suspension properties and a wiper trip was conducted. When back on bottom from the wiper trip a further 150 bbls PHB sweep was pumped and then the well was displaced to inhibitive 5% KCl/PHB mud for tripping out of the hole and running 13 3/8” casing. All mud returns to sea floor.

Interval 2: 8.5”

A 12 1/4" BHA was made up and RIH to Drill the cement and shoe track. The well was displaced to KCl/Polymer mud and a LOT conducted to an EMW of 17.4 ppg. An 8 1/2" BHA was made up and RIH, 10ppb of Calcium Carbonate was added prior to the top of the Chimaera Formation. The mud system was weighted to 11.0ppg with Barite at 2100m and additions of Circal 60/16 and at 2450m and at 2450m the bit was POOH for a coring run. A core was cut from 2450m to 2470m. Drilling 8 1/2" hole then continued from 2470m to 2590m.

Wireline logs were then run, prior to running in a cement stinger to set the 1st plug @ 2308m, 2nd cement plug @ 2189m, 3rd @765m, 4th from 236m to surface, before cutting the casing and moving to the next location.

4. INTERVAL - 1

4.1 SUMMARY

36” Hole From 96m To 132 m In 1 Day

Drilling Fluid Seawater and Viscous Sweeps, Spud Mud
Formations Gippsland.

Garfish 1 was spudded at 18:30 on 28/5/2008.

The 36” interval was drilled riser-less, using seawater and unweighted hi-vis flocculated spud mud sweeps from 96.25 m to 132 m. The spud mud used for sweeps was built from pre-hydrated bentonite at 40 ppb, cut back with seawater once hydrated and flocculated by the addition of lime prior to pumping. 50 bbl sweeps were pumped at each stand to clean the hole.

After drilling to 132m, a 150bbl flocculated PHB sweep was pumped to clean the hole and the open hole was displaced with 480 bbls of old KCL /Polymer mud from the previous well.

The 30” conductor was run to 128m. It was then cemented as per program.

Properties	Programmed		Actual (Typical Drilling)		Conformance
	Min	Max	Min	Max	
Mud Weight, sg	ALAP	ALAP	8.5	8.5	Yes
6 rpm, lb/100 ft ²	>40		47	52	Yes
YP, lbs/100ft ²			68	70	
Viscosity, sec/qt	>100		183	200	Yes
pH	9	10	9	9	Yes
Plastic Viscosity, cp			20	20	

Maintenance

- The bentonite used was first prehydrated in drill water at a concentration of 35-40 ppb. This was then cut back to 20-30 ppb using seawater. Lime was added prior to use to enhance viscosity. Caustic soda was used to obtain required alkalinity.
- Sea water was used from Pit # 6 for drilling. The hi-vis sweeps were contained in pits 4, 5, and 8.

17.5" Hole From 132 m To 755 m In 2 Days

Drilling Fluid Flocculated Seawater/Bentonite
Formations Gippsland Limestone/Lakes Entrance

The 17.5" section was drilled using flocculated seawater / pre-hydrated bentonite fluid. Pre-hydrated Bentonite at 30-40ppb was prepared and pre-hydrated. The PHB was then cut back with seawater to approximately 15-20ppb, to achieve required viscosity.

The sweep regime used was 1 x 50bbl sweep, timed to be approximately on bottom during the connection.

Approximately 500 bbl of 8.7 ppg inhibited, 5%KCl / PHB mud, was spotted on bottom, prior to pulling out of the hole to run casing.

The 13 3/8" casing was run and cemented with no problems.

Drilling Mud Properties

Properties	Programmed		Actual		Conformance
	Min	Max	Min	Max	
Mud Weight, ppg	ALAP	<9.5	8.5	8.6	Yes
Viscosity, sec/qt	50	65	50	183	No
pH	8	9.5	9	9	Yes

Explanation of Non-Conformance

- The Funnel Viscosity quoted is for the unflocculated PHG.

Maintenance

- The fluid for this interval consisted of prehydrated gel built at 35-40 ppb and blended with seawater once hydrated at approximately 2:1, depending on the funnel viscosity at the time of mixing dilution volume.

INTERVAL - 2

4.3 SUMMARY

8.5" Hole From 755m To 2590m In 4 Days

Drilling Fluid KCL/Polymer/Clayseal
Formations -

A 12 1/4" BHA was made up and RIH to Drill the cement and shoe track.
The well was displaced to KCl/Polymer mud and a LOT conducted to an EMW of 17.4 ppg.

An 8 1/2" BHA was made up and RIH.
The mud suffered from some cement contamination and the active was treated with Citric Acid to lower pH and additional Barazan was added to restore low end rheology.
EZ Mud (liquid) was added steadily to increase PHPA concentration and provide encapsulation.
Unweighted KCl/Polymer/Clayseal premix was added to the active, as required to maintain volume and dilution. The Sand Traps were also dumped regularly to prevent solids build up and the shaker screens were changed to finer screens, as soon as possible, to aid in solids control.
The 8 1/2" hole was drilled with surveys every 3 stands and no mud or hole problems.
10ppb of Calcium Carbonate was added to the active prior to the top of the Chimaera Formation and additional Calcium Carbonate was also added via premix to maintain active concentration.

The Total Hardness of the active mud was treated by addition of Soda Ash directly to the active system.

From 1365m to 2077m the frequencies of surveys were reduced to one every 5 stands and drilling remained uneventful.

At 2077m an increased flow was observed and flow checked, however the well was found to be static and drilling continued.

The mud system was weighted to 11.0ppg with Barite at 2100m and additions of Circal 60/16 and Y to maintain concentrations respectively. Pac-L and Dextrid LTE were also added to active to maintain fluid loss within specifications.

At 2450m the bit was POOH for a coring run and cut core from 2450m to 2470m.

The 8.5" BHA was then made up and drilling 8 1/2" hole continued from 2470m to 2590m.

Wire line logs were then run before running in a cement stinger to Set 1st plug @ 2308m, 2nd cement plug @ 2189m, third cement plug #3 @765m 4th cement plug from 236m to surface, before cutting the casing and moving to the next location.

Drilling Mud Properties

Properties	Programmed		Actual (Typical Drilling)		Conformance
	Min	Max	Min	Max	
Mud Weight, ppg	9.5	11	9.5	11.1	Yes
PV, cp	ALAP		10	20	Yes
YP, lbs/100 ft ²	20	30	23	35	Partial
6 rpm, lbs/100 ft ²	12	16	10	15	Partial
pH	8.5	9.5	8.5	9.5	Yes
KCL, wt%	6	8	7.5	9	Yes
API WL, mL/30 min		6	5.3	6	Yes
LGS, % vol		10	0	9	Yes

Explanation of Non-Conformance

- The initial 6 rpm was less than programmed. Due to the low concentration of polymers added, to the initial mud built to ensure a smooth displacement. Additional PHPA and Barazan D plus, were added to bring the mud into specification, once it was sheared.

Maintenance

- The initial 6rpm readings were below the programmed 10 -15. The new mud was built between 0.8 and 1ppb, to enable circulation over the shakers while un-sheared. The 6rpm was raised by gradual additions to 13-14 lbs/100 ft² with 0.5ppb Barazan D plus and 0.75 ppb EZ-Mud. The shaker screens size at displacement were 89 mesh screens. After mud sheared the screens were replaced with used 255 mesh screens.
- The potassium concentration depletion was only 1% from the initial 9% mixed and the new premixes were built with higher concentration of KCl to maintain 8%.
- The initial mud made, did not include the 10ppb calcium carbonate, which was required to be added prior to drilling the Chimaera Formation. At 100m above the Chimaera Formation the 10 ppb of calcium carbonate was added.
- The inhibition provided by 8% KCL and 2% clayseal was sufficient to prevent any obvious signs of bit balling and the cuttings over the shakers were soft but not sticky and able to be removed by the shakers.
- Ran wire line logs with no hole difficulties.
- P & A well.

Solids Control Equipment

- The 4 VSM 300 shakers were dressed with 89 mesh screens, for the initial displacement of un-sheared KCL /Polymer mud. Circulating rates were +/- 1000gpm and the screens were replaced with 255 mesh as soon as possible.
- It was possible to handle the flow and cuttings on 3 shakers while drilling the 8 ½" hole with an ROP of 30m/h or less and a flow of 1600gpm. This allowed shakers to be regularly alternated for servicing.
- The scalper screens initially installed on the shakers were 20 mesh. During the drilling of the interval, with the addition of premix for volume and PHPA / Barazan D additions to the active, the mud was covering 60% of the four shakers scalper screens.
- No centrifuges were run prior to the first core point and as a result the Drilled Solids which passed the shakers had to be controlled with dilution.

4.4 EVALUATION

Comments

Problems, Causes, Remedial Action Taken or Recommended

Solids Control and Mud Mixing Equipment

- | | | |
|----|---------|---|
| 1) | Problem | Mud traveling too far up scalper screens. Reduces time on lower shaker screens. |
| | Cause | Scalpers too fine. |
| | Action | Use coarsest screens |

4.4 RECOMMENDATIONS FOR IMPROVEMENT

Drilling Fluid

- 69 bbls of mud lost over shakers when emptying trip tank and filling string due to shakers not running. More vigilance needed.
- The KCI Polymer mud performed well in this vertical well. Vertical wells of similar depth and through similar lithology should be able to use this mud system cost effectively.

Solids Control and Mud Mixing Equipment

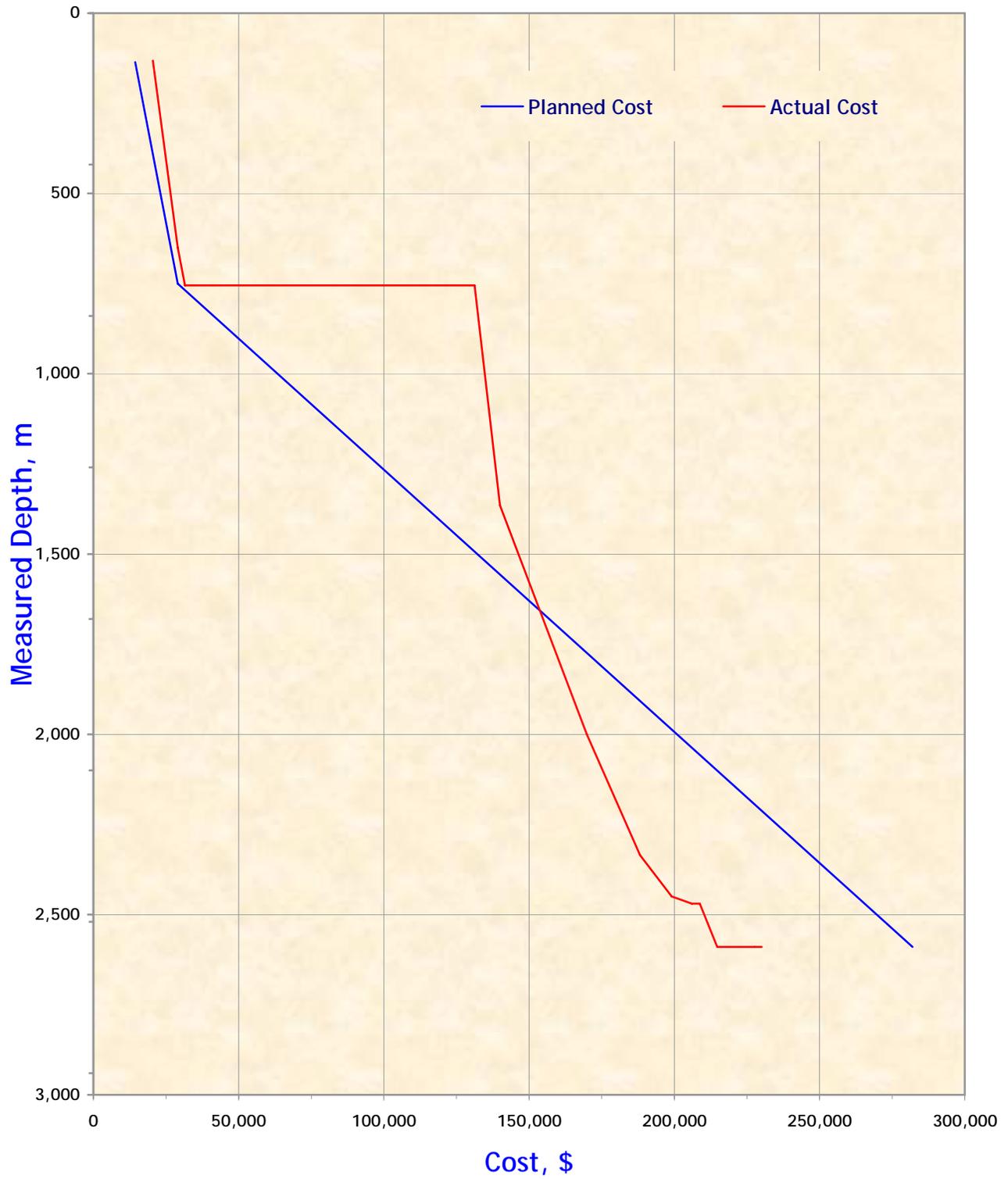
- The coarsest scalper screens (10 or 20 mesh) should always be run. This ensures the mud passes through straight away, onto the shaker screen below and is able to travel along the entire length of the bottom screens.
If fine scalper screens are run at high rates, the mud falls through the scalper half way up the screen and thus has less time on the lower shaker screens, which can overload the shakers.

4.5 Plug and Abandon

The well was plugged and abandoned. Cement plugs were set at 2308, 2189, 908 and at 236 meters. The well was displaced from 236 meters to sea water. The riser was pulled and an attempt to retrieve the 20" and 36" casing made.

GRAPHS

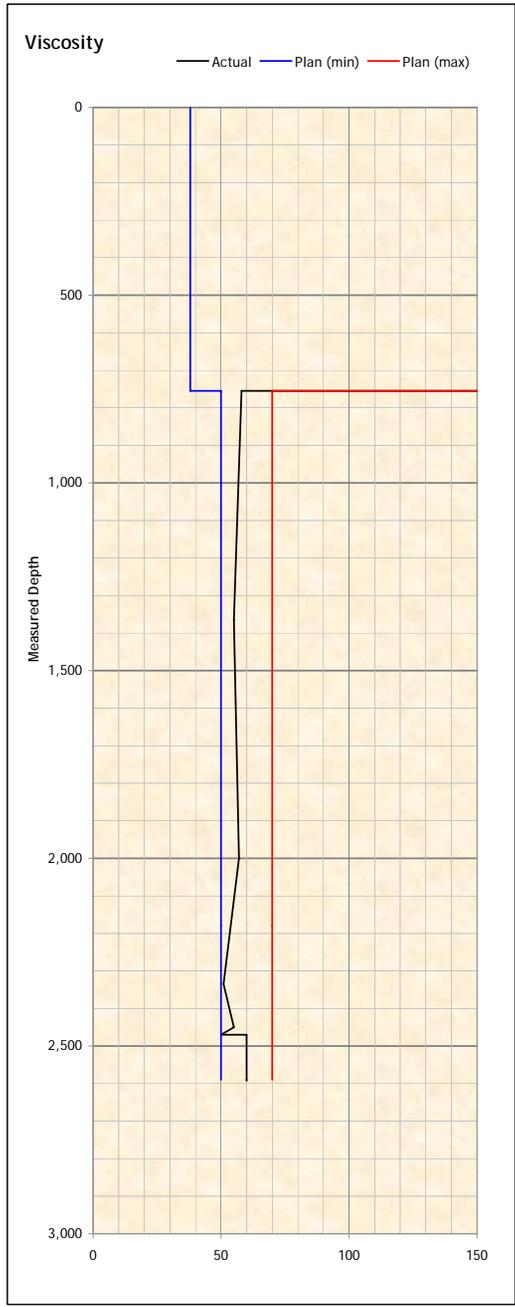
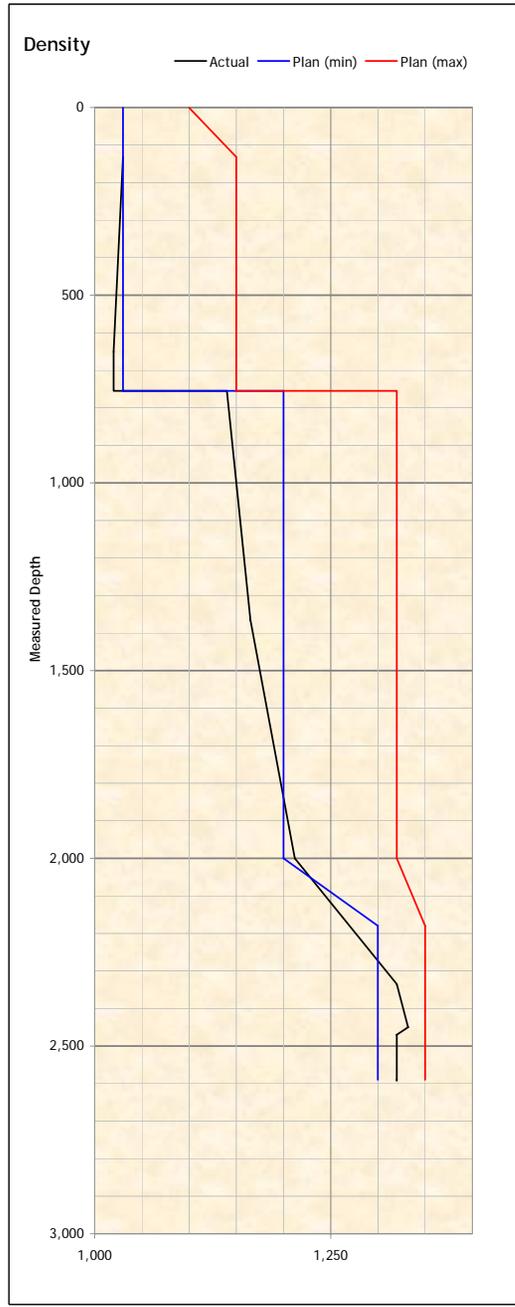
Cost vs Depth



NEXUS ENERGY

Garfish - 1

38o 6' 38.161"S Lat X 148o 15' 17.298"E Long

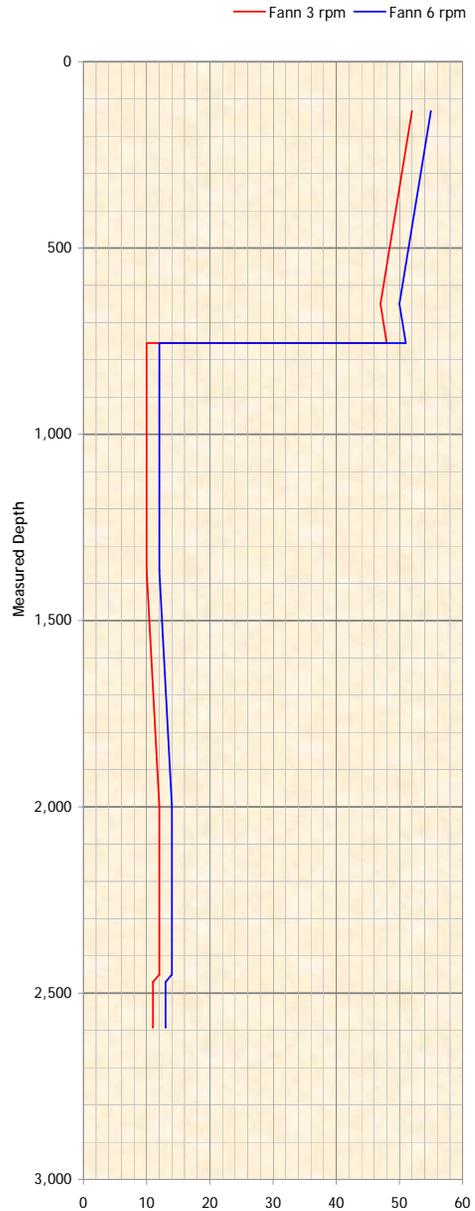


NEXUS ENERGY

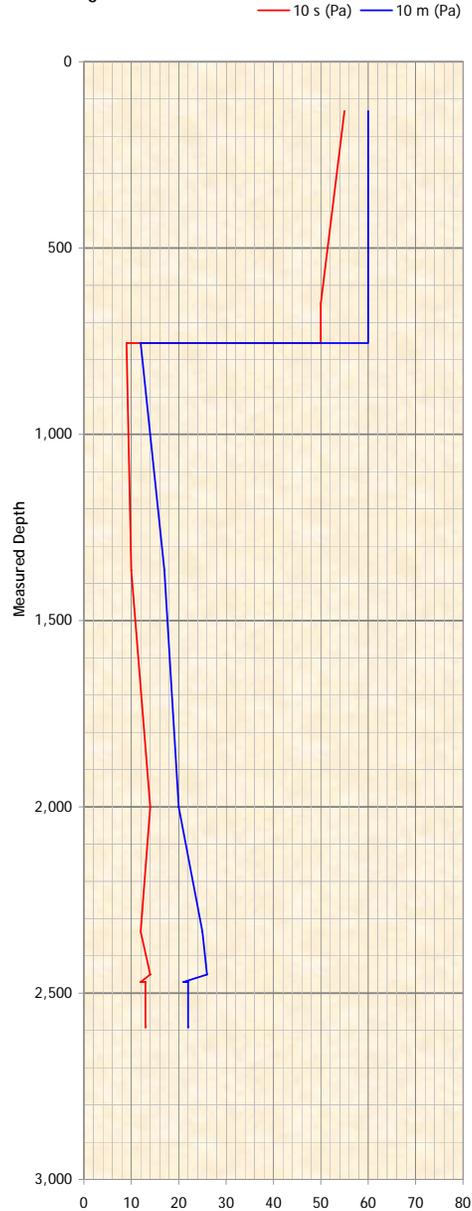
Garfish - 1

38o 6' 38.161"S Lat X 148o 15' 17.298"E Long

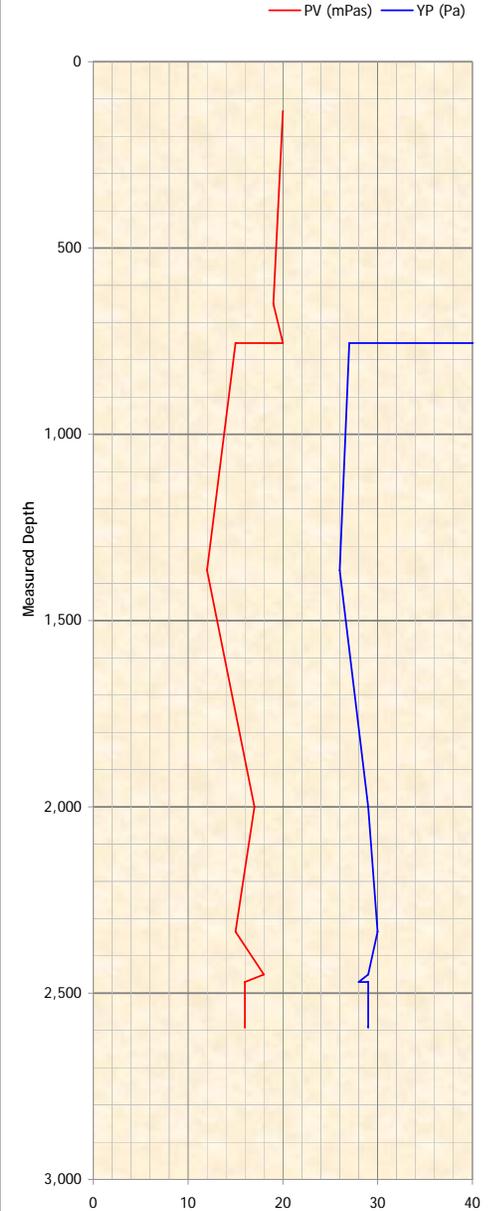
Fann 3/6 rpm



Gel Strengths



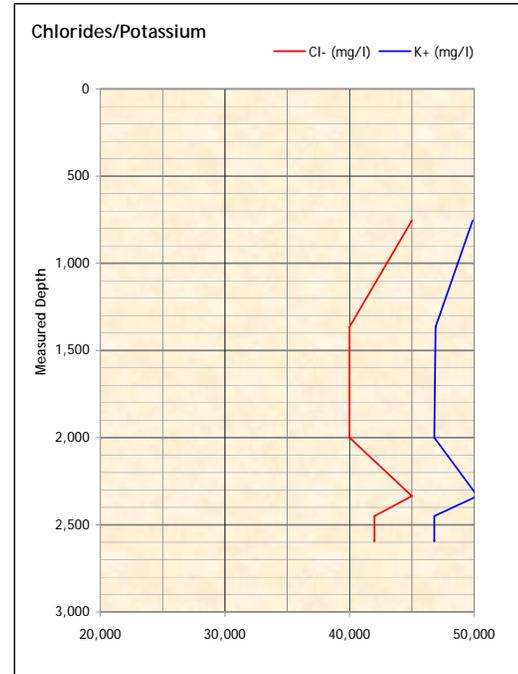
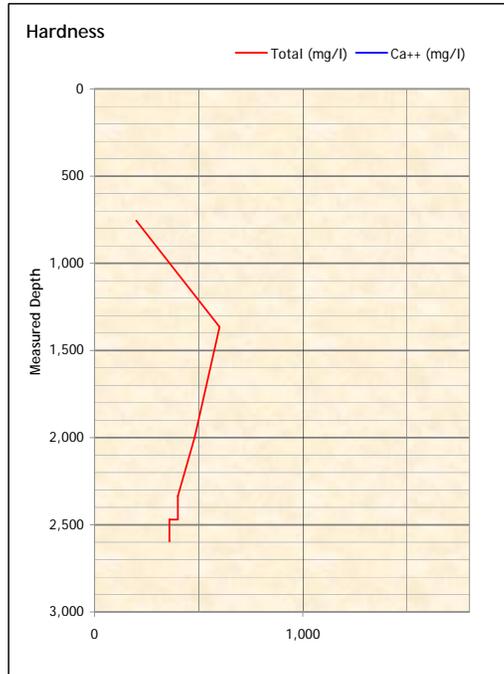
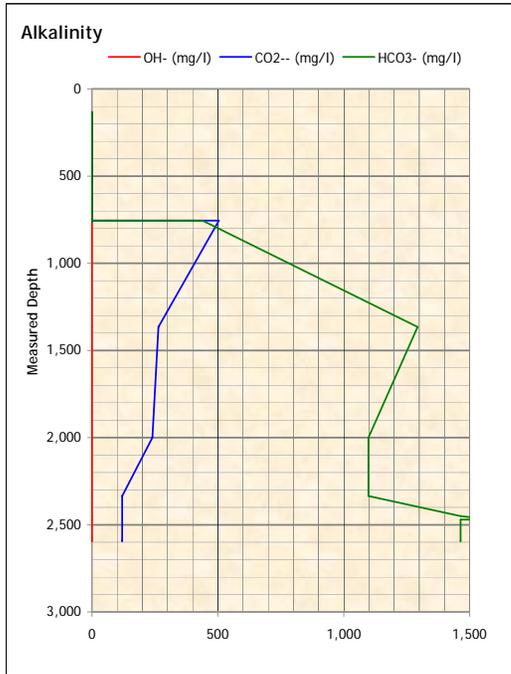
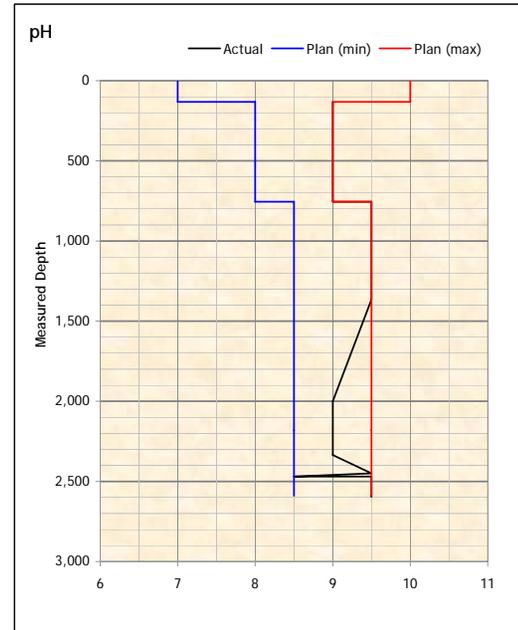
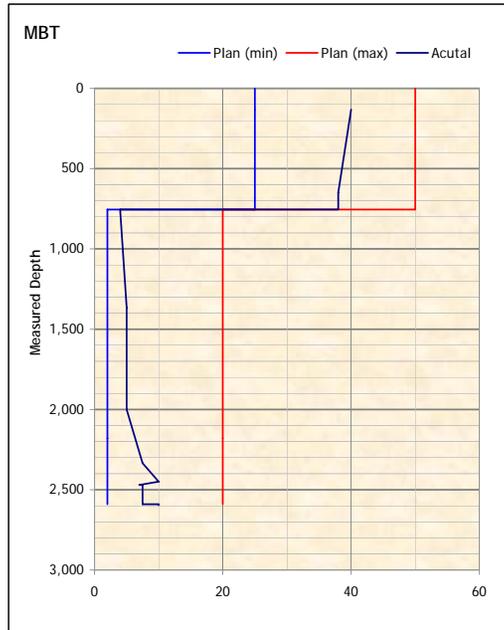
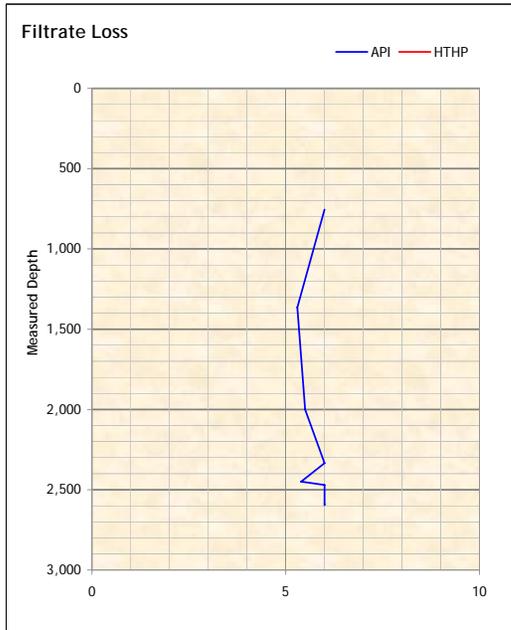
PV / YP



NEXUS ENERGY

Garfish - 1

38o 6' 38.161" S Lat X 148o 15' 17.298" E Long



POSTWELL AUDIT

Well Name **Garfish -1**
 Operator **NEXUS ENERGY**
 Contractor **Seadrill**
 Rig No **West Triton**
 Unit System **Nexus Energy**

Well Summary Report

Well Data

Spud Date	05/27/2008	Fluids/Products: Drilling Cost	\$	169,895.01
TD Date	05/27/2008	Fluids/Products: Completion Cost	\$	0.00
Project		Solids Control/Waste Management Cost	\$	0.00
Days on Well	26	Fluids/Products: Cementing Cost	\$	386.96
From Date	05/25/2008	Prod Lost/Damaged Cost	\$	0.00
To Date	06/19/2008	Engineer Services Cost	\$	58,750.00
Drilling Days	10	Equipment Cost	\$	0.00
Rotating / Drilling Hours	126.5/122.5	Transport/Packaging	\$	0.00
Average ROP	m/hr 20.4	Other Cost	\$	0.00
Maximum Density	ppg 11.10	Total Well Cost	\$	229,031.97
Total Measured Depth	m 2,590	Planned Cost	\$	0.00
True Vertical Depth	m 2,590	Fluid Cost Per Fluid Volume	\$/bbl	18.87
Distance Drilled	m 2,494	Fluid Cost Per Length Drilled	\$/m	68.12
Maximum Deviation	deg 1.64	Fluid Cost/Vol of Hole Drilled	\$/bbl	152.44
Max. Horz. Displacement	m 1	Total Additions/Hole Drilled	bbl/bbl	8.078
Bottom Hole Temp		Total Additions/Length Drilled	bbl/m	3.610

Casing Design

Description	Set Date & Time	Top MD m	Top TVD m	End MD m	End TVD m	CSG OD in	CSG ID in	Max. Hole Size in	Hole MD m	Hole TVD m
30 X-52 309.7	05/29/2008 23:59	57	57	128	128	30.000	28.000	36.000	132	132
13.375 K-55 68.0	06/01/2008 20:00	93	93	746	746	13.375	12.415	17.500	755	755

Fluid Program

Int #	Fluid Type	Interval Days	BHT Deg C	Max. Dens ppg	Whole fluid + Mix products	Other material charges	Other charges	Total Interval Cost \$		
								Plan	Actual	Variance
1	PHG Mud	11		9.50	16,143.29	386.96	25,000.00		41,530.25	
	Potassium Chloride brine									
	Seawater									
2	KCl/Polymer	15		11.10	153,751.71		33,750.00		187,501.71	
	Potassium Chloride brine									
	Seawater									
Total Well Cost \$					169,895.01	386.96	58,750.00		229,031.97	229,031.97

Total Cost Breakdown

	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	24.00	30,000.00
Drilling Fluids Engineer 2	day(s)	23.00	28,750.00
		SubTotal	\$ 58,750.00
Fluids/Products: Cementing Cost			
calcium chloride flake 77%	25 kg bag	28.00	386.96
		SubTotal	\$ 386.96
Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	16.00	1,118.40
BARAZAN D PLUS	25 kg bag	109.00	16,594.16
barite	1000 kg bulk	87.020	41,324.06
bentonite	1000 kg bulk	32.000	15,836.16
calcium chloride flake 77%	25 kg bag	2.00	27.64
caustic soda	25 kg pail	18.00	795.42
Circal 60/16	25 kg sack	191.00	1,934.83
Circal Y	25 kg sack	191.00	2,444.80
citric acid	25 kg bag	16.00	739.84
CLAYSEAL PLUS	216 kg drum	43.00	41,135.52
DEXTRID LTE	25 kg sack	127.00	5,151.12
EZ-MUD	25 kg pail	115.00	9,870.45
KCL Tech Grade (bulk)	1000 kg bulk	27.000	20,277.00
lime	25 kg bag	8.00	52.40
PAC-L	25 kg bag	73.00	5,976.51
potassium chloride	1000 kg bag	10.00	6,010.00
soda ash	25 kg bag	42.00	556.50
sodium bicarbonate	25 kg bag	4.00	50.20
		SubTotal	\$ 169,895.01
		Total Well Cost:	\$ 229,031.97

Net Well Cost Breakdown

Cost Breakdown I \$	Interval 01	Interval 02	Total
Fluid/Product: Drilling	103,309.91	66,585.10	169,895.01
Fluid/Product: Comp/Filtration			
Solids Control/Waste Management Cost			
Fluids/Products: Cementing Cost	386.96		386.96
Engineering Services	25,000.00	33,750.00	58,750.00
Fluid/Product: Lost Damage			
Other Cost			
Equipment Cost			
Transport/Packaging Cost			
Total Cost	128,696.87	100,335.10	229,031.97

Cost Breakdown II \$	Interval 01	Interval 02	Total
Total Products Cost	103,696.87	66,585.10	170,281.97
Total Fluids Cost			
Total Charges Cost	25,000.00	33,750.00	58,750.00
Allocated To / From Other Interval			
Total Cost	128,696.87	100,335.10	229,031.97
Planned Cost			
Variance			

Volume Breakdown bbl	Interval 01	Interval 02	Total
Total Base Fluids Addition			
Total Chemical Addition	273.5	87.5	361.0
Total Barite Addition	35.7	94.8	130.4
Total Water Addition	5,897.5	1,264.7	7,162.2
Total Fluid Built	6,206.6	1,447.0	7,653.6
Total Fluid Received	1,349.0		1,349.0
Total Influx Addition			
Not Used In Interval	-2,757.7		
Total Fluid Volume	4,797.9	4,571.7	9,002.6

Australia

VIC P29
Victoria

Baroid Fluid Services

Interval Summary

Interval #	1	Max Bit Size: 17.500 in	Hole Size Avg/Max	18.151 / 17.500 in
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Interval Start Date	05/25/2008	Planned Cost	\$	0.00
Interval End Date	06/04/2008	Total Interval Cost	\$	41,530.25
Interval TD Date	05/31/2008	Program Variance	\$	41,530.25
Drilling Days	3.00	Other material charges	\$	386.96
Rotating/Hours	21.00 / 21.00	Total Fluids Cost	\$	16,143.29
Interval Top MD/TVD	m 96.0 / 96.0	Total Charges Cost	\$	25,000.00
Interval End MD/TVD	m 755.0 / 755.0	Total Cementing Cost	\$	386.96
Footage	m 659.0	Fluid Cost Per Vol Unit	\$/bbl	3.36
Average ROP	m/hr 31.4	Fluid Cost/Hole Drilled	\$/m	24.50
Max Hole Angle	degrees 0.26	Fluid Cost/Vol Drilled	\$/bbl	23.33
Casing Size	in 13.375	Fluid Built	bbl	6,206.6
Casing Shoe MD	m 746.5	Total Additions/Vol Drilled	bbl/bbl	6.93
Casing Length	m 689.5	Total Additions/Hole Drilled	bbl/m	7.28
Bottom Hole Temp		Fluid Loss/Vol Drilled	bbl/bbl	5.19
Max Fluid Density	ppg 9.50	Fluid Loss/Hole Drilled	bbl/m	5.45

Interval Product and Base Fluids Usage and Cost

Product Function / Name	Drilling Fluid	Packaging	Quantity Used	Product Cost
Viscosifier/Suspension Agent				
bentonite	AQUAGEL Mud	1000 kg bulk	32.000	15,836.16
			Total	\$ 15,836.16
Alkalinity Control				
caustic soda	AQUAGEL Mud	25 kg pail	4.000	176.76
lime	AQUAGEL Mud	25 kg bag	7.000	45.85
soda ash	AQUAGEL Mud	25 kg bag	5.000	66.25
			Total	\$ 288.86
Weighting Material				
calcium chloride flake 77%	No Fluid	25 kg bag	28.000	386.96
calcium chloride flake 77%	Potassium Chloride brine	25 kg bag	2.000	27.64
			Total	\$ 414.60

Interval Summary

Interval #	2	Max Bit Size: 17.500 in	Hole Size Avg/Max	8.500 / 17.500 in
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Interval Start Date	06/05/2008	Planned Cost	\$	0.00
Interval End Date	06/19/2008	Total Interval Cost	\$	187,501.71
Interval TD Date	06/12/2008	Program Variance	\$	187,501.71
Drilling Days	7.00	Other material charges		
Rotating/Hours	105.50 / 83.50	Total Fluids Cost	\$	153,751.71
Interval Top MD/TVD	m 755.0 / 755.0	Total Charges Cost	\$	33,750.00
Interval End MD/TVD	m 2,590.0 / 2,589.6	Total Cementing Cost	\$	0.00
Footage	m 1,835.0	Fluid Cost Per Vol Unit	\$/bbl	33.63
Average ROP	m/hr 18.1	Fluid Cost/Hole Drilled	\$/m	83.79
Max Hole Angle	degrees 1.64	Fluid Cost/Vol Drilled	\$/bbl	363.87
Casing Size	in 13.375	Fluid Built	bbl	1,447.0
Casing Shoe MD	m 746.5	Total Additions/Vol Drilled	bbl/bbl	10.82
Casing Length	m 689.5	Total Additions/Hole Drilled	bbl/m	2.49
Bottom Hole Temp		Fluid Loss/Vol Drilled	bbl/bbl	6.17
Max Fluid Density	ppg 11.10	Fluid Loss/Hole Drilled	bbl/m	1.42

Interval Product and Base Fluids Usage and Cost

Product Function / Name	Drilling Fluid	Packaging	Quantity Used	Product Cost
Bactericides				
ALDACIDE G	KCl/Polymer	5 gal can	16.000	1,118.40
			Total	\$ 1,118.40
Weighting Material				
barite	KCl/Polymer	1000 kg bulk	87.020	41,324.06
			Total	\$ 41,324.06
Viscosifier/Suspension Agent				
BARAZAN D PLUS	KCl/Polymer	25 kg bag	109.000	16,594.16
			Total	\$ 16,594.16
Alkalinity Control				
caustic soda	KCl/Polymer	25 kg pail	14.000	618.66
citric acid	KCl/Polymer	25 kg bag	16.000	739.84
lime	KCl/Polymer	25 kg bag	1.000	6.55
soda ash	KCl/Polymer	25 kg bag	37.000	490.25
sodium bicarbonate	KCl/Polymer	25 kg bag	4.000	50.20
			Total	\$ 1,905.50
Shale Control				
EZ-MUD	KCl/Polymer	25 kg pail	115.000	9,870.45
potassium chloride	KCl/Polymer		10.000	6,010.00
KCL Tech Grade (bulk)	KCl/Polymer	1000 kg bulk	27.000	20,277.00
CLAYSEAL PLUS	KCl/Polymer	216 kg drum	43.000	41,135.52
			Total	\$ 77,292.97
Lost Circulation/Bridging Agent				
Circal Y	KCl/Polymer	25 kg sack	191.000	2,444.80
Circal 60/16	KCl/Polymer	25 kg sack	191.000	1,934.83
			Total	\$ 4,379.63
Filtration Control				
DEXTRID LTE	KCl/Polymer	25 kg sack	127.000	5,151.12

Well Name
Operator
Contractor
Rig No
Unit System

Garfish -1
NEXUS ENERGY
Seadrill
West Triton
Nexus Energy

Interval Summary

PAC-L	KCl/Polymer	25 kg bag	73.000	5,976.51
			Total	\$ 11,127.63

Well Name Garfish -1
 Operator NEXUS ENERGY
 Contractor Seadrill
 Rig No West Triton
 Unit System Nexus Energy

Interval Cost Breakdown

Interval # 01	From Date	05/25/2008	Top of Interval	96.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Date	06/04/2008	Bottom of Interval	755.0 m

Material	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	10.00	12500.00
Drilling Fluids Engineer 2	day(s)	10.00	12500.00
SubTotal			\$ 25,000.00

Fluids/Products: Cementing Cost			
calcium chloride flake 77%	25 kg bag	28.00	386.96
SubTotal			\$ 386.96

Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	5.00	349.50
BARAZAN D PLUS	25 kg bag	65.00	9895.60
barite	1000 kg bulk	23.790	11297.40
bentonite	1000 kg bulk	32.000	15836.16
calcium chloride flake 77%	25 kg bag	2.00	27.64
caustic soda	25 kg pail	14.00	618.66
CLAYSEAL PLUS	216 kg drum	35.00	33482.40
DEXTRID LTE	25 kg sack	90.00	3650.40
EZ-MUD	25 kg pail	30.00	2574.90
KCL Tech Grade (bulk)	1000 kg bulk	21.000	15771.00
lime	25 kg bag	7.00	45.85
PAC-L	25 kg bag	45.00	3684.15
potassium chloride	1000 kg bag	10.00	6010.00
soda ash	25 kg bag	5.00	66.25
SubTotal			\$ 103,309.91
Interval Total Cost			\$ 128,696.87

Charged To/From Other Interval	\$	-87,166.61
Net Description Total Cost	\$	41,530.25
Programmed Cost	\$	0.00
Program Variance	\$	41,530.25

Well Name Garfish -1
 Operator NEXUS ENERGY
 Contractor Seadrill
 Rig No West Triton
 Unit System Nexus Energy

Interval Cost Breakdown

Interval # 02	From Date	06/05/2008	Top of Interval	755.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Date	06/19/2008	Bottom of Interval	2,590.0 m

Material	Unit Size	Quantity	Total Cost
Engineering/Services			
Drilling Fluids Engineer	day(s)	14.00	17500.00
Drilling Fluids Engineer 2	day(s)	13.00	16250.00
SubTotal			\$ 33,750.00

Fluids/Products: Drilling Cost			
ALDACIDE G	5 gal can	11.00	768.90
BARAZAN D PLUS	25 kg bag	44.00	6698.56
barite	1000 kg bulk	63.230	30026.66
caustic soda	25 kg pail	4.00	176.76
Circal 60/16	25 kg sack	191.00	1934.83
Circal Y	25 kg sack	191.00	2444.80
citric acid	25 kg bag	16.00	739.84
CLAYSEAL PLUS	216 kg drum	8.00	7653.12
DEXTRID LTE	25 kg sack	37.00	1500.72
EZ-MUD	25 kg pail	85.00	7295.55
KCL Tech Grade (bulk)	1000 kg bulk	6.000	4506.00
lime	25 kg bag	1.00	6.55
PAC-L	25 kg bag	28.00	2292.36
soda ash	25 kg bag	37.00	490.25
sodium bicarbonate	25 kg bag	4.00	50.20
SubTotal			\$ 66,585.10
Interval Total Cost			\$ 100,335.10
Charged To/From Other Interval			\$ 87,166.61
Net Description Total Cost			\$ 187,501.71
Programmed Cost			\$ 0.00
Program Variance			\$ 187,501.71

Interval Chemical Concentration

Max. Hole Size / Bit Size	17.500 / 17.500 in	From Report Date	05/25/2008	Top of Interval	96.0 m
		To Report Date	06/04/2008	Bottom of Interval	755.0 m

Fluid Name: PHG Mud			
Material	Average ppb	Minimum ppb	Maximum ppb
bentonite	23.28	19.82	30.27
calcium chloride flake 77%	0.01	0.01	0.01
caustic soda	0.08	0.06	0.13
lime	0.11	0.06	0.16
soda ash	0.08	0.06	0.11

Fluid Name: KCl/Polymer			
Material	Average ppb	Minimum ppb	Maximum ppb
ALDACIDE G	0.09	0.09	0.10
BARAZAN D PLUS	1.47	1.45	1.54
barite	21.23	21.23	21.23
calcium chloride flake 77%	0.03	0.02	0.04
caustic soda	0.23	0.22	0.24
CLAYSEAL PLUS	6.85	6.75	7.18
DEXTRID LTE	2.04	2.01	2.14
EZ-MUD	0.68	0.67	0.71
KCL Tech Grade (bulk)	18.80	18.74	18.99
PAC-L	1.02	1.00	1.07
potassium chloride	7.48	3.17	8.92

Fluid Name: Potassium Chloride brine			
Material	Average ppb	Minimum ppb	Maximum ppb

Interval Chemical Concentration

Interval # 02	From Report Date	06/05/2008	Top of Interval	755.0 m
Max. Hole Size / Bit Size 17.500 / 17.500 in	To Report Date	06/19/2008	Bottom of Interval	2,590.0 m

Fluid Name: KCl/Polymer				
Material	Average ppb	Minimum ppb	Maximum ppb	
ALDACIDE G	0.23	0.09	0.34	
BARAZAN D PLUS	1.98	1.45	2.38	
barite	62.44	21.22	86.95	
calcium chloride flake 77%	0.02	0.02	0.02	
caustic soda	0.26	0.21	0.30	
Circal 60/16	4.07	2.96	4.53	
Circal Y	4.07	2.96	4.53	
citric acid	0.29	0.09	0.36	
CLAYSEAL PLUS	6.97	6.52	7.65	
DEXTRID LTE	2.33	1.99	2.78	
EZ-MUD	2.08	0.67	2.62	
KCL Tech Grade (bulk)	20.19	18.64	22.20	
lime	0.03	0.03	0.03	
PAC-L	1.32	0.99	1.67	
potassium chloride	7.60	6.78	8.92	
soda ash	0.80	0.37	0.91	
sodium bicarbonate	0.08	0.07	0.09	

Fluid Name: Potassium Chloride brine				
Material	Average ppb	Minimum ppb	Maximum ppb	
ALDACIDE G	0.01	0.01	0.01	
BARAZAN D PLUS	0.16	0.16	0.16	
barite	2.19	2.19	2.19	
calcium chloride flake 77%	0.12	0.12	0.12	
caustic soda	0.02	0.02	0.02	
citric acid	0.03	0.03	0.03	
CLAYSEAL PLUS	0.61	0.61	0.61	
DEXTRID LTE	0.18	0.18	0.18	
EZ-MUD	0.11	0.11	0.11	
KCL Tech Grade (bulk)	1.69	1.69	1.69	
PAC-L	0.09	0.09	0.09	
potassium chloride	0.81	0.81	0.81	
sodium bicarbonate	0.01	0.01	0.01	

Fluid Volume Record Report

Report No	Date	Initial Volume	Additions								Losses						Volumes			
			Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume
		bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl

Interval # 01

Fluid Name: Old Mud

003	05/27/08		464.0							464.0									464.0	464.0
004	05/28/08	464.0										449.0				449.0			15.0	15.0
006	05/30/08	15.0										15.0				15.0				
Cumulative Volume			464.0							464.0			464.0			464.0				

Fluid Name: PHG Mud

003	05/27/08				843.6		30.4			874.0									874.0	874.0
004	05/28/08	874.0			1,003.6		20.4			1,024.0			700.0			700.0			1,198.0	1,198.0
005	05/29/08	1,198.0									13.0					13.0			1,185.0	1,185.0
006	05/30/08	1,185.0			800.0		30.5			830.5	685.5					685.5			1,330.0	1,330.0
007	05/31/08	1,330.0		167.0	300.0		0.2			467.2	42.5		965.3			1,007.8	831.9			831.9
008	06/01/08	831.9									413.4					413.4	418.5			418.5
009	06/02/08	418.5											418.4			418.4				
Cumulative Volume				167.0	2,947.2		81.5			3,195.7	1,154.4		2,083.7			3,238.1				

Fluid Name: KCI/Polymer

008	06/01/08			418.0		875.1		99.9		1,393.0									1,393.0	1,393.0
009	06/02/08	1,393.0				950.3	35.7	92.0		1,078.0									2,471.0	2,471.0
011	06/04/08	2,471.0									13.0					13.0	478.0		1,980.0	2,458.0
Cumulative Volume				418.0	1,825.4	35.7	191.9			2,471.0	13.0					13.0				

Fluid Name: Potassium Chloride brine

003	05/27/08		885.0							885.0									885.0	885.0
006	05/30/08	885.0					0.2			0.2			0.2			0.2			885.0	885.0
007	05/31/08	885.0												167.0		167.0			718.0	718.0

Fluid Volume Record Report

Report No	Date	Initial Volume	Additions								Losses						Volumes				
			Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume	
		bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	bbl	
008	06/01/08	718.0														418.0				300.0	300.0
Cumulative Volume			885.0						0.2		885.2					0.2	585.0				

Fluid Name: Seawater

003	05/27/08					383.0					383.0									383.0	383.0
005	05/29/08	383.0										53.6					53.6	177.4		152.0	329.4
006	05/30/08	329.4				494.2					494.2							559.6	264.0		823.6
007	05/31/08	823.6				121.7					121.7	659.3					659.3		286.0		286.0
008	06/01/08	286.0										45.0					45.0		241.0		241.0
011	06/04/08	241.0				126.0					126.0									367.0	367.0
Cumulative Volume						1,124.9					1,124.9	757.9					757.9				

Fluid Volume Record Report

Report No	Date	Initial Volume	Additions								Losses						Volumes			
			Received	Mixed	Base	Water	Barite	Chemicals	Other	Daily Total	SCE	Downhole	Misc	Mixed	Returned	Daily Total	Hole Volume	Active Pit Volume	Reserve Volume	Final Volume
		bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl	bbbl

Interval # 02

Fluid Name: KCl/Polymer

012	06/05/08	2,458.0						0.7		0.7	58.2					58.2	418.5	510.0	1,472.0	2,400.5
013	06/06/08	2,400.5						4.8	6.5	11.3	229.6			30.0		259.6	392.2	571.0	1,189.0	2,152.2
014	06/07/08	2,152.2				430.0		15.9	62.8	508.7	336.9					336.9	530.0	554.0	1,240.0	2,324.0
015	06/08/08	2,324.0						43.1	8.2	51.3	268.5					268.5	581.9	578.0	947.0	2,106.9
016	06/09/08	2,106.9						12.8	5.5	18.3	19.3					19.3	680.9	518.0	907.0	2,105.9
017	06/10/08	2,105.9		39.0				10.5	1.7	51.2	292.7					292.7	593.5	545.0	726.0	1,864.5
018	06/11/08	1,864.5							0.4	0.4	0.2					0.2	587.6	560.0	717.0	1,864.6
019	06/12/08	1,864.6						7.7	1.4	9.1	42.3			35.0		77.3	836.4	381.0	579.0	1,796.4
022	06/15/08	1,796.4							0.3	0.3	159.8			50.0		209.8	610.9	383.0	593.0	1,586.9
023	06/16/08	1,586.9									320.0			426.9		840.0	1,586.9			
Cumulative Volume				39.0		430.0		94.8	87.5	651.3	1,727.5			511.9	30.0	840.0	3,109.4			

Fluid Name: Potassium Chloride brine

013	06/06/08	300.0		30.0						30.0										330.0	330.0
017	06/10/08	330.0												39.0		39.0				291.0	291.0
022	06/15/08	291.0												291.0		291.0					
Cumulative Volume				30.0						30.0				291.0	39.0	330.0					

Fluid Name: Seawater

013	06/06/08	367.0									367.0					367.0					
023	06/16/08					834.7				834.7							834.7				834.7
Cumulative Volume						834.7				834.7	367.0					367.0					

Fluid Property Recap : Water-Based Fluid

Date	Depth m	FL Temp Deg C	Density ppg	Funn Visc sec/qt	Rheology 49 Deg C				Filtration					Filtrate Analysis					MBT ppb Eq.	Sand % by vol	Retort Analysis				Rheometer Dial Readings							
					PV cP	lbs/100 ft2				API ml/30 min	HTHP ml/30 min	Cake API 32nd in	Cake HTHP	Temp Deg C	pH	Pm ml	Pf ml	Mf ml			Cl mg/l	Total Hardness mg/l	% by vol				600	300	200	100	6	3
						YP	10S	10M	30M														Corr Solid	LGS	NAP Base	Water						
06/09/2008	2,450	52	11.00	52	18	32	14	26	32	5.4	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	0.50	10.8	4.737		86	68.0	50.0	42.0	33.0	14.0	11.0
06/09/2008	2,450		11.10	55	18	29	14	26	32	5.4	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	0.50	11.3	5.007		85.5	65.0	47.0	40.0	31.0	14.0	12.0
06/10/2008	2,450	41	11.10	53	18	32	14	26	32	5.4	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	0.50	11.3	5.007		85.5	68.0	50.0	42.0	37.0	14.0	12.0
06/10/2008	2,454	42	11.00	51	15	35	13	25	30	5.8	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	400	10.0	1.00	10.8	4.737		86	65.0	50.0	40.0	31.0	14.0	12.0
06/10/2008	2,467	41	11.00	50	16	28	12	21	26	6.0	12.0	1	2	93	8.50	0.10	0.10	1.50	42,000	400	7.0	0.50	10.8	4.737		86	60.0	44.0	36.0	25.0	13.0	11.0
06/11/2008	2,470		11.00	51	16	28	12	21	26	6.0	12.0	1	2	93	9.00	0.10	0.10	1.50	42,000	400	7.5	0.50	10.8	4.737		86	60.0	44.0	36.0	25.0	13.0	11.0
06/11/2008	2,470		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	7.5	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/11/2008	2,470		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	7.5	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/12/2008	2,470		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	7.5	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/12/2008	2,580	51	11.00	51	20	30	13	23	30	6.0	12.0	1	2	93	9.50	0.10	0.10	1.30	42,000	360	7.5	0.75	10.8	4.737		86	70.0	50.0	41.0	31.0	13.0	11.0
06/12/2008	2,590	52	11.00	52	18	32	13	22	29	5.8	12.0	1	2	93	9.50	0.10	0.10	1.30	42,000	400	10.0	0.75	10.8	4.737		86	68.0	50.0	43.0	33.0	14.0	13.0
06/13/2008	2,590		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	10.0	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/14/2008	2,590	25	11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	10.0	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/15/2008	2,590		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.40	42,000	360	10.0	0.50	10.8	4.737		86	61.0	45.0	36.0	25.0	13.0	11.0
06/16/2008	2,590		11.00	60	16	29	13	22	28	6.0	12.0	1	2	93	9.50	0.10	0.10	1.50	42,000	400	10.0	0.50	10.8	4.737		86	61.0	45.0	35.0	25.0	13.0	11.0

Fluid Program Exception Report

Report No	Date	Time	Depth m	Property Name	Unit System	Actual Value	Exception	Program Min	Program Max
007	05/31/2008	4:30	755	Density	ppg	8.50	Low	9.50	11.00
007	05/31/2008	20:00	755	Density	ppg	8.50	Low	9.50	11.00
007	05/31/2008	4:30	755	Yield Point	lbs/100 ft2	68	High	20	30
007	05/31/2008	20:00	755	Yield Point	lbs/100 ft2	68	High	20	30
008	06/01/2008	3:00	755	Density	ppg	8.50	Low	9.50	11.00
008	06/01/2008	20:00	755	Density	ppg	8.50	Low	9.50	11.00
008	06/01/2008	3:00	755	Yield Point	lbs/100 ft2	68	High	20	30
008	06/01/2008	20:00	755	Yield Point	lbs/100 ft2	68	High	20	30
013	06/06/2008	3:00	758	pH	-	10.00	High	8.50	9.50
013	06/06/2008	10:30	903	pH	-	10.00	High	8.50	9.50
013	06/06/2008	16:30	1,111	Yield Point	lbs/100 ft2	33	High	20	30
014	06/07/2008	11:20	1,764	Yield Point	lbs/100 ft2	33	High	20	30
016	06/09/2008	3:40	2,398	Density	ppg	11.05	High	9.50	11.00
016	06/09/2008	21:00	2,450	Density	ppg	11.10	High	9.50	11.00
016	06/09/2008	9:30	2,450	Yield Point	lbs/100 ft2	32	High	20	30
017	06/10/2008	3:30	2,450	Density	ppg	11.10	High	9.50	11.00
017	06/10/2008	3:30	2,450	Yield Point	lbs/100 ft2	32	High	20	30
017	06/10/2008	10:30	2,454	Yield Point	lbs/100 ft2	35	High	20	30

Operations Log Recap

Interval	01	From Date	001	Top of Interval	96.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	011	Bottom of Interval	755.0 m
For Report #	001	On	05/25/2008	Operation at Depth	96.0 m
Rig Activity	Rig moving to location from Wardie -1 to Garfish - 1 @ 22:30 25/05/08				
Activity	Rig Move				
For Report #	002	On	05/26/2008	Operation at Depth	96.0 m
Rig Activity	On tow to Garfish 1. Lower leg to 71m, 2m off bottom. Tag bottom at 71.9m. Cont. jacking down soft pin to 73.5m to 3m draft. Cont. connect deepwell. Jack up the Rig to 2m draft. Pre-load rig at 2m draft. Hold Pre-Load.				
Activity	Hold Pre-Load				
Fluid Treatment	.				
For Report #	003	On	05/27/2008	Operation at Depth	96.0 m
Rig Activity	Cont. with Preload to 100%. Dumped Preload. Commence jack hull down to zero air gap for 10mins and jack rig up to drill air gap. Release pacific battler and prepare rig for skid. Skid rig to gumbo connectio. Connect gumbo hose, swap air and water hoses. Lower texas deck. Connect service hoses, rotary hoses, cleared deck. Prepared and pick up 9 joints of DP & rack back on derrick.				
Activity	Rig up and rig down				
Fluid Treatment	Began to mix 870bbl Pre hydrated bentonite Gel. Received 464 bbl Old Mud and 885 bbl KCL brine from previous well from the Pacific Battler.				
For Report #	004	On	05/28/2008	Operation at Depth	132.0 m
Rig Activity	Cont. pick up 5 1/2" DP & rack back in derrick. Make up casing running tool & rack back. Prepare to raise texas deck. Make up 26" bit & 36" hole opener assembly. Lowered to sea bed @96.25m (sea level - 40m). Drilled 36" hole to 132m as per programme. Sweep hole with 200 bbl hi-vis, displace hole with inhibited mud. POH, rack back BHA. Pick up 30" conductor handling equipment & install running tool.				
Activity	Run casing and cement				
Fluid Treatment	Flocculated PHB at 70/30 with sea water and added 0.13 ppb Lime prior to pumping sweeps. Used 440 bbls old KCL/Polymer mud for displacement fluid.				
For Report #	005	On	05/29/2008	Operation at Depth	132.0 m
Rig Activity	Run 30" conductor to 128m. Hold PJSM and cement conductor. Make up 22" bit and RIH slick assy to TOC at 125m. Drill out cement and shoe track and ream rat hole to 132m. Sweep hole with 75bbl high vis. POOH with 22" clean out assy from 132m to 57m. Clean catwalk and rack back HWDP.				
Activity	Tripping				
Fluid Treatment	Total PHB mixed: 1898 bbls. Drill out cement and conductor shoe with seawater. Pump 75bbl high vis PHB sweep prior to POOH to change BHA.				
For Report #	006	On	05/30/2008	Operation at Depth	650.0 m
Rig Activity	Continue to make up stands of drill pipe and rack back in derrick. Make up 17 1/2" BHA and RIH to 132m. Drill 17 1/2" hole from 132m to 650m, pumping 50bbl high vis				

Operations Log Recap

Interval	01	From Date	001	Top of Interval	96.0 m	
Max. Hole Size / Bit Size	17.500 / 17.500	in	To Date	011	Bottom of Interval	755.0 m
					every stand. Survey every 3rd stand.	
Activity					Drilling	
Fluid Treatment					Continue to pre-hydrate PHB. Cut back with 30-40% Sea water added 0.15 ppb Lime prior to pumping sweeps as required for hole cleaning. Returns to sea-bed.	
For Report	# 007	On	05/31/2008	Operation at Depth	755.0 m	
Rig Activity					Continue drilling 17 1/2" hole from 650m to 755m. Pump 150bbl high vis sweep and circ hole clean. Displace hole to PHB mud. POOH to 118m for wiper trip. RIH to 721m. Wash and light ream from 721m to 755m. Pump high vis and displace well to inhibitive mud. POOH to run casing.	
Activity					Tripping	
Fluid Treatment					Continue to pump 50bbl high vis PHB sweeps each stand. Pump 150bbl high vis PHB sweep at TD, circ hole clean and displace well to PHB mud. When back on bottom from wiper trip a 150bbl high vis PHB sweep was pumped and circulated out with seawater. The hole was then displaced to PHB/KCl mud to aid hole inhibition while tripping and running casing.	
For Report	# 008	On	06/01/2008	Operation at Depth	755.0 m	
Rig Activity					Continue to make up wellhead assy and running tool. Rack back in derrick and rig up and run 13 3/8" casing to 643.88m. Rig up and run 5 1/2" inner string. Latched 18 3/4" wellhead into conductor head. Confirmed latch with 50K overpull. 18 3/4" wellhead at 92.66m. 13 3/8" casing shoe at 746.53m.	
Activity					Run casing and cement	
Fluid Treatment					Dumped and cleaned mud pits 1,4,5,7 and 8 in preparation for mixing new mud. Commence mixing KCl/Polymer/Clayseal mud for 8 1/2" hole section.	
For Report	# 009	On	06/02/2008	Operation at Depth	755.0 m	
Rig Activity					Cement 13 3/8" casing as per program. POOH 5 1/2" inner string. WOC. Rig up and run high pressure riser. Stop work and hold safety meeting. Continue running high pressure riser.	
Activity					Nipple up B.O.P.	
Fluid Treatment					Continue to mix KCl/Polymer/Clayseal mud for 8 1/2" hole section. Mud check for new KCl/Polymer/Clayseal mud.	
For Report	# 010	On	06/03/2008	Operation at Depth	755.0 m	
Rig Activity					Continue to run high pressure riser. Nipple up BOP.	
Activity					Nipple up B.O.P.	
Fluid Treatment					Continue to circulate new KCl/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA.	
For Report	# 011	On	06/04/2008	Operation at Depth	755.0 m	
Rig Activity					Continue to nipple up BOP and pressure test. Nipple up diverter.	
Activity					Nipple up B.O.P.	
Fluid Treatment					Continue shearing new KCl/Polymer/Clayseal mud with mix pumps.	

Operations Log Recap

Interval	02	From Date	012	Top of Interval	755.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	026	Bottom of Interval	2,590.0 m
For Report # 012	On 06/05/2008	Operation at Depth		755.0 m	
Rig Activity	Make up 12 1/4" BHA and RIH. Drill cement and shoe track. Displace to KCl/Polymer mud. Conduct LOT, 1020psi, EMW 17.39 ppg. POOH and lay out 12 1/4" BHA. Make up 8 1/2" BHA and RIH.				
Activity	Tripping				
Fluid Treatment	Continue shearing new KCl/Polymer/Clayseal mud through mix pumps to aid shearing PHPA. Displace well to KCl/Polymer/Clayseal mud when drilling cement and shoe track. Treat mud with Citric Acid and Sodium Bicarbonate while drilling out cement.				
For Report # 013	On 06/06/2008	Operation at Depth		1,365.0 m	
Rig Activity	Continue to RIH. Drill 8 1/2" hole from 758m to 1365m with surveys every 3 stands.				
Activity	Drilling				
Fluid Treatment	Some cement contamination. Treated active with Citric Acid to lower pH and added Barazan to restore low end rheology. Adding EZ Mud to increase PHPA concentration. Added Aldacide-G to active to maintain concentration. Adding unweighted KCl/Polymer/Clayseal to active as required to maintain volume and dilution. Dump sand trap to prevent solids build up and upgrade shaker screens to aid in solids control.				
For Report # 014	On 06/07/2008	Operation at Depth		2,082.0 m	
Rig Activity	Continue drilling 8 1/2" hole from 1365m to 2077m with surveys every 5 stands. Increased flow observed. Flow check, shut in well 0 psi. Continue drilling 8 1/2" hole from 2077m to 2082m.				
Activity	Drilling				
Fluid Treatment	Added 10ppb Calcium Carbonate to premix to maintain active concentration. Treated increased hardness by addition of Soda Ash to the active. Continue adding EZ Mud to active to maintain concentration and inhibition. Prepare further 450bbl KCl/Polymer/Clayseal premix, weighted to 9.5ppg for dilution volume. Added 10ppb Calcium Carbonate to active prior to 2000m to minimize potential seepage losses. Dump sandtrap as required to prevent solids build up.				
For Report # 015	On 06/08/2008	Operation at Depth		2,352.0 m	
Rig Activity	Continue drilling 8 1/2" hole from 2082m to 2352m with surveys.				
Activity	Drilling				
Fluid Treatment	Commence weighting system to 11.0ppg with Barite at 2100m. Added Circal 60/16 and Y to maintain concentrations respectively. Treated active with Soda Ash to maintain hardness within specification. Added Pac-L and Dextrid LT to active to maintain fluid loss. Continue to treat active with Aldacide-G every 12 hours to prevent bacterial degradation. Dumped sand traps as required to prevent solids build up.				
For Report # 016	On 06/09/2008	Operation at Depth		2,450.0 m	
Rig Activity	Continue to drill 8 1/2" hole from 2352m to 2450m with surveys. Pump High Vis sweep one stand prior to TD and another at TD to clean hole. POOH wet for 30 stands and pump slug. Continue to POOH. Lay out BHA and make up coring BHA.				
Activity	Tripping				
Fluid Treatment	Add Barite to active to maintain mud weight at 11.0ppg. Weighted 200bbl premix from 9.5ppg to 10.6ppg with Barite to allow addition without reduction in mud weight.				

Operations Log Recap

Interval	02	From Date	012	Top of Interval	755.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	026	Bottom of Interval	2,590.0 m
		Added EZ-Mud to active to maintain concentraion and inhibition. Treated active system with Barazan-D to maintain rheology. Prepared 63bbl high viscosity sweep and pumped to assist hole cleaning prior to POOH.			
For Report	# 017	On	06/10/2008	Operation at Depth	2,470.0 m
Rig Activity	Continue to RIH with coring assembly. Cut core from 2450m to 2470m. Break off core and circulate hole clean.				
Activity	Drilling				
Fluid Treatment	Dump and clean sand trap. Mud lost over shakers when emptying trip tank and filling string due to shakers not running, approx. 69bbl. Treated active system with Aldacide-G to prevent bacterial degradation. Added Barazan-D, Dextrid LTE and Pac-L to active to maintain properties and Barite to maintain mud weight after a 50 bbl KCl pill was pumped for suspected bit balling. Adding premix at 9.5ppg as required to maintain volume and mud properties. Added Caustic Soda to active to maintain pH. Prepare HW slug for POOH.				
For Report	# 018	On	06/11/2008	Operation at Depth	2,470.0 m
Rig Activity	POOH with coring assembly. Hold JSA, break out core barrel and lay out core. Make up 8 1/2" BHA and RIH.				
Activity	Tripping				
Fluid Treatment	Treated mud pits with Aldacide-G to minimize bacterial activity.				
For Report	# 019	On	06/12/2008	Operation at Depth	2,590.0 m
Rig Activity	Continue to RIH. Wash and ream though coring section from 2450m to 2470m. Cont. drilling 8 1/2" hole from 2470m to 2590m. Pumped 50bbl hi-vis, circulate bottoms up. POOH to 2553m, with 40-50k overpull. Back ream from 2583m to 2374m. Slug pipe and POOH, rack back BHA.				
Activity	Drilling				
Fluid Treatment	18 bulk bags KCl returned to town. Made slug for POOH.				
For Report	# 020	On	06/13/2008	Operation at Depth	2,590.0 m
Rig Activity	POOH to surface. Lay down 8 1/2" BHA. Service top drive. Rig up Schlumberger equipment. RIH with T/string #1 to 2500m and log as per programme. Pick up toolstring #2 RIH surface test tool #2. POOH. RIH MDT survey tool.				
Activity	Wire Line logs				
Fluid Treatment	.				
For Report	# 021	On	06/14/2008	Operation at Depth	2,590.0 m
Rig Activity	Cont. Schlumberger operations with MDT toolstring. POOH & lay down MDT. Puck up & make up VSP survey tools. RIH with VSP survey tools. POOH. RIH with CST.				
Activity	Wire Line logs				
Fluid Treatment	.				
For Report	# 022	On	06/15/2008	Operation at Depth	2,590.0 m
Rig Activity	Cont. RIH with CST toolstring. Commence CST as per programme. POOH. Rig down Schlumber equipment. Rig up for 2 7/8" cement stringer. Pick up and make up cement stringer. RIH to 2308m. Circ. bottoms up. Set 1st plug @ 2308m. POOH 4stds to 2189m. Circ. bottoms up. Set 2nd cement plug @ 2189m. POOH 5 stds to 2032m. Circ. bottoms up. RIH to tag cement @ 2091m. POOH to 2038m.				

Operations Log Recap

Interval	02	From Date	012	Top of Interval	755.0 m
Max. Hole Size / Bit Size	17.500 / 17.500 in	To Date	026	Bottom of Interval	2,590.0 m
Activity	Plugging Back				
Fluid Treatment	Prepared Hi-vis pill for cement programme.				
For Report # 023	On 06/16/2008	Operation at Depth		2,590.0 m	
Rig Activity	Cont. to POOH from 2032m to 908m. Pump 25 bbl hi-vis pill and displace with 50 bbl mud. Cont. POOH to 760m. Set cement plug #3 @765m. POOH to 612m & circ. bottoms up. RIH to 296m, pump 30 bbl hi-vis pill. POOH to 236m, displace well to seawater. Set cement plug #4. POOH to surface. Nipple down BOP. Make up Drillquip running tool. Rig down CTU.				
Activity	Rig up and rig down				
Fluid Treatment	Returned 840 bbl Old KCL/Polymer mud to Pacific Battler.				
For Report # 024	On 06/17/2008	Operation at Depth		2,590.0 m	
Rig Activity	POOH Riser. RIH with casing cutter assembly on 5 1/2" DP. Set casing cutter down at 98.4m. Cut casing.				
Activity	Cut casing weld bowl				
Fluid Treatment	.				
For Report # 025	On 06/18/2008	Operation at Depth		2,590.0 m	
Rig Activity	Cont. cut casing @ 98.4m. No success. Attempt cutting 20" & 30" casing with cutter assembly #2 @ 96.8m. POOH. Skid rig in. Lay out well head. Disengage tools from well head.				
Activity	Rig up and rig down				
Fluid Treatment	.				
For Report # 026	On 06/19/2008	Operation at Depth		2,590.0 m	
Rig Activity	Jack Down rig. Commence tow @ 09:00 hrs 1 km from Garfish -1.				
Activity	Rig up and rig down				
Fluid Treatment	.				

DAILY MUD REPORTS

Daily Drilling Fluid Report

Date		05/25/2008		Depth		0.0 m						
Spud Date		05/27/2008		Rig Activity		Rig Move						
Operator NEXUS ENERGY			Report For Shaughan Corless /Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model				
Make/Type								Bore in				
Jets								Strokes in				
TFA	sq-in							Eff(%)				
Jets Velocity	m/sec							bbl/strk				
Jet Impact Force	lbf							SPM				
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	m							Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time , min				
ECD @ Bit	ppg							Total Strokes				
		AV, Riser		Circ Press psi								
		AV min DP		Tot Pres Loss								
		AV max DC		Press Drop DP								
		BU Strokes		Press Drop An								
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source								Fluid Type				
Time												
Depth m												
FL Temp Deq C												
Density @ Deq C ppg												
FV @ Deq C sec/qt												
PV @ Deq C cP												
YP lbs/100 ft2												
GELS lbs/100 ft2												
600/300												
200/100												
6/3												
API Filt ml/30 min												
HTHP @ Deq C ml/30 min												
Cake API/HTHP 32nd in												
Corr Solid % by Vol												
NAP/Water % by Vol												
Sand % by vol												
MBT ppb Eq.								Rig Activity				
pH @ Deq C								Rig moving to location from Wardie -1 to Garfish				
ALK Mud Pm								1 @ 22:30 25/05/08				
ALK Filt Pf/Mf												
Chlorides mg/l												
Tot. Hardness mg/l												
LGS/HGS % by Vol												
LGS/HGS ppb												
ASG SG												
Additional Properties												
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time		
							Shaker		Screens	Hrs	Drilling	
							VSM-300				Circulating	
							VSM-300				Trips	
							VSM-300				Rig	
							VSM-300				Surveys	
							VSM-300				Fishing	
							VSM-300				Run Casing	
											Coring	
											Reaming	
							Hydrocyclone	Cones	Screens	Hrs	Testing	
							D 16	16 4			Logging	
											Dir Work	
											Repair	
											Other	
							Centrifuge	Speed	Feed Rate	Hrs	Total	
							Centrifuge	3,000	40.00		1.5	
							Centrifuge	3,000	40.00		1.5	
											Rotating	
											ROP	
											Dil Rate	
											0.00	
Fluid Volume Breakdown							Active	bbl	Additions	bbl	Losses	bbl
							Annulus		Base		Fluid Dumped	
							Pipe Cap		Drill Water		Transferred	
							Active Pits		Dewatering		SCE	
							Total Hole		Sea Water		Evaporation	
							Total Circ		Whole Mud		Trips	
							Reserve		Barite		Other	
							Prev Vol		Chemicals		Total Surface	
							Net Change		Other		Downhole	
							Total Vol		Total		Total Losses	
Fluid Types		Vol	bbl	Deviation Information								
				Survey MD								m
				Survey TVD								m
				Angle								Deg
				Direction								
				Horiz Displ.								m
Daily Products Cost		\$0.00	Total Daily Cost		\$0.00							
Cumulative Products Cost		\$0.00	Total Cumulative Cost		\$0.00							
Baroid Representatives		Eugene Edwards		James Munford								
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						

Daily Drilling Fluid Report

Date		05/26/2008		Depth		0.0 m						
Spud Date		05/27/2008		Rig Activity		Hold Pre-Load						
Operator NEXUS ENERGY			Report For Shaughan Corless /Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type								Bore in	0.000	0.000	0.000	
Jets								Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	0	0	0	
Jets Velocity	m/sec							bbl/strok	0.000	0.000	0.000	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM		AV, Riser	Circ Press psi	
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss	
ECD @ Csg Shoe	ppg							BU Time , min		AV max DC	Press Drop DP	
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An	
Properties	1	2	3	4	Targets	Program	Fluid Treatments					
Source							Fluid Type					
Time												
Depth	m											
FL Temp	Deq C											
Density @ Deq C	ppg											
FV @ Deq C	sec/qt											
PV @ Deq C	cP											
YP	lbs/100 ft2											
GELS	lbs/100 ft2											
600/300												
200/100												
6/3												
API Filt	ml/30 min											
HTHP @ Deq C	ml/30 min											
Cake API/HTHP	32nd in											
Corr Solid	% by Vol											
NAP/Water	% by Vol											
Sand	% by vol											
MBT	ppb Eq.						Rig Activity					
pH @ Deq C							On tow to Garfish 1. Lower leg to 71m, 2m off bottom. Tag bottom at 71.9m. Cont. jacking down soft pin to 73.5m to 3m draft. Cont. connect deepwell. Jack up the Rig to 2m draft. Pre-load rig at 2m draft. Hold Pre-Load.					
ALK Mud	Pm											
ALK Filt	Pf/Mf											
Chlorides	mg/l											
Tot. Hardness	mg/l											
LGS/HGS	% by Vol											
LGS/HGS	ppb											
ASG	SG											
Additional Properties												
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300				Circulating	
ALDACIDE G	5 gal can		25		25		VSM-300				Trips	
Amodrill 1235	1500 l drum		2		2		VSM-300				Rig	
BARACOR 100	55 gal drum		4		4		VSM-300				Surveys	
BARA-DEFOAM W300	5 gal can		17		17		VSM-300				Fishing	
BARAZAN D PLUS	25 kg bag		42		42						Run Casing	
barite	1000 kg bulk		125.300		125.300						Coring	
BAROFIBRE FINE	25 lb bag		50		50						Reaming	
bentonite	1000 kg bulk		41.000		41.000		Hydrocyclone	Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag		19		19		D 16	16 4			Logging	
caustic soda	25 kg pail		49		49						Dir Work	
Circal 60/16	25 kg sack		48		48						Repair	
Circal Y	25 kg sack		49		49						Other	
citric acid	25 kg bag		37		37						Total	
CON DET	5 gal can		32		32		Centrifuge	Speed	Feed Rate	Hrs	24.0	
CON DET	55 gal drum		8		8		Centrifuge	3,000	40.00		24.0	
DEXTRID LTE	25 kg sack		22		22		Centrifuge	3,000	40.00		Rotating	
EZ SPOT	55 gal drum		8		8						ROP	
EZ-MUD	25 kg pail		96		96						Dil Rate	
EZ-MUD DP	25 kg bag		14		14						0.00	
KCL Tech Grade (bulk)	1000 kg bulk		11.000		11.000							
Kwikseal Fine	40 lb bag		38		38							
lime	25 kg bag		74		74							
N-DRIL HT PLUS	50 lb bag		55		55							
NO-SULF	17 kg pail		48		48							
Omyacarb 5	25 kg bulk		33.000		33.000							
PAC-L	25 kg bag		55		55							
potassium chloride	1000 kg bag		10		10							
Daily Products Cost							\$0.00	Total Daily Cost			\$2,500.00	
Cumulative Products Cost							\$0.00	Total Cumulative Cost			\$2,500.00	
Baroid Representatives			Eugene Edwards		James Munford							
Office			90 Talinga Rd Melbourne		Telephone		61-03-9581-7555					
Warehouse			c/o of Esso Australia Ltd		Telephone		61-3-56-881-445					
Fluid Types							Vol bbl		Deviation Information			
Active							bbl	Additions	bbl	Losses		bbl
Annulus								Base		Fluid Dumped		
Pipe Cap								Drill Water		Transferred		
Active Pits								Dewatering		SCE		
Total Hole								Sea Water		Evaporation		
Total Circ								Whole Mud		Trips		
Reserve								Barite		Other		
Prev Vol								Chemicals		Total Surface		
Net Change								Other		Downhole		
Total Vol								Total		Total Losses		
Survey MD								Survey TVD		m		
Angle								Direction		Deg		
Horiz Displ.										m		

Daily Drilling Fluid Report

Date		05/27/2008		Depth		0.0 m							
Spud Date		05/27/2008		Rig Activity		Rig up and rig down							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data						
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type								Bore in	0.000	0.000	0.000		
Jets								Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	0	0	0		
Jets Velocity	m/sec							bbl/strk	0.000	0.000	0.000		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM	AV, Riser	Circ Press psi			
Bit Depth	m							Total Circ Time	AV min DP	Tot Pres Loss			
ECD @ Csg Shoe	ppg							BU Time , min	AV max DC	Press Drop DP			
ECD @ Bit	ppg							Total Strokes	BU Strokes	Press Drop An			
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source								Fluid Type Seawater					
Time								Began to mix 870bbl Pre hydrated bentonite Gel.					
Depth								Received 464 bbl Old Mud and 885 bbl KCL brine from previous well from the Pacific Battler.					
FL Temp													
Density @ Deg C													
FV @ Deg C													
PV @ Deg C													
YP													
GELS													
600/300													
200/100													
6/3													
API Filt													
HTHP @ Deg C													
Cake API/HTHP													
Corr Solid													
NAP/Water													
Sand													
MBT													
pH @ Deg C													
ALK Mud													
ALK Filt													
Chlorides													
Tot. Hardness													
LGS/HGS													
LGS/HGS													
ASG													
Additional Properties													
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300					Circulating
bentonite		1000 kg bulk	41.000		12.000	29.000	\$5,938.56	VSM-300					Trips
caustic soda		25 kg pail	49		2	47	\$88.38	VSM-300					Rig
soda ash		25 kg bag	2		1	1	\$13.25	VSM-300					Surveys
ALDACIDE G		5 gal can	25			25		VSM-300					Fishing
Amodrill 1235		1500 l drum	2			2							Run Casing
BARACOR 100		55 gal drum	4			4							Coring
BARA-DEFOAM W300		5 gal can	17			17							Reaming
BARAZAN D PLUS		25 kg bag	42			42		Hydrocyclone		Cones		Hrs	Testing
barite		1000 kg bulk	125.300	41.700		167.000		D 16		16 4			Logging
BAROFIBRE FINE		25 lb bag	50			50							Dir Work
calcium chloride flake 77%		25 kg bag	19			19							Repair
Circal 60/16		25 kg sack	48			48							Other
Circal Y		25 kg sack	49			49							Total
citric acid		25 kg bag	37			37		Centrifuge		Speed		Feed Rate	Hrs
CON DET		5 gal can	32			32		3,000		40.00			Rotating
CON DET		55 gal drum	8			8		Centrifuge		3,000		40.00	ROP
DEXTRID LTE		25 kg sack	22			22							Dil Rate
EZ SPOT		55 gal drum	8			8							0.00
EZ-MUD		25 kg pail	96			96							
EZ-MUD DP		25 kg bag	14			14							
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000							
Kwikseal Fine		40 lb bag	38			38							
lime		25 kg bag	74			74							
N-DRIL HT PLUS		50 lb bag	55			55							
NO-SULF		17 kg pail	48			48							
Omycarb 5		25 kg bulk	33.000			33.000							
PAC-L		25 kg bag	55			55							
Daily Products Cost		\$6,040.19	Total Daily Cost		\$8,540.19	Fluid Types		Vol bbl		Deviation Information			
Cumulative Products Cost		\$6,040.19	Total Cumulative Cost		\$11,040.19	Old Mud		464.0		Survey MD			
Baroid Representatives		Eugene Edwards		James Munford		Potassium Chloride brine		885.0		Survey TVD			
Office		90 Talinga Rd Melbourne		Telephone		PHG Mud		874.0		Angle			
Warehouse		c/o of Esso Australia Ltd		Telephone						Direction			
										Horiz Displ.			

Daily Drilling Fluid Report

Date		05/28/2008		Depth		132.0 m							
Spud Date		05/27/2008		Rig Activity		Run casing and cement							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data						
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type								Bore in	0.000	0.000	0.000		
Jets								Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	0	0	0		
Jets Velocity	m/sec							bbl/strk	0.000	0.000	0.000		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM		AV, Riser	Circ Press psi		
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss		
ECD @ Csg Shoe	ppg							BU Time, min		AV max DC	Press Drop DP		
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An		
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8						Fluid Type Seawater					
Time		20:00						Floculated PHB at 70/30 with sea water and added 0.13 ppb Lime prior to pumping sweeps.					
Depth	m	132						Used 440 bbls old KCL/Polymer mud for displacement fluid.					
FL Temp	Deq C												
Density @ Deq C	ppg	8.50 @ 25					8.30	9.50					
FV @ Deq C	sec/qt	200 @ 25											
PV @ Deq C	cP	20 @ 25											
YP	lbs/100 ft2	70											
GELS	lbs/100 ft2	55/60/70					40/40/-	100/100/-					
600/300		110.0/90.0											
200/100		85.0/75.0											
6/3		55.0/52.0											
API Filt	ml/30 min												
HTHP @ Deq C	ml/30 min												
Cake API/HTHP	32nd in												
Corr Solid	% by Vol												
NAP/Water	% by Vol	-99.0											
Sand	% by vol												
MBT	ppb Eq.												
pH @ Deq C		9.00 @ 25					8.00	9.50					
ALK Mud	Pm												
ALK Filt	Pf/Mf												
Chlorides	mg/l												
Tot. Hardness	mg/l												
LGS/HGS	% by Vol												
LGS/HGS	ppb												
ASG	SG												
Additional Properties													
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	1.5
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				Circulating	1.0
bentonite		1000 kg bulk	29.000		8.000	21.000	\$3,959.04	VSM-300				Trips	10.5
calcium chloride flake 77%		25 kg bag	19	50	28	41	\$386.96	VSM-300				Rig	
caustic soda		25 kg pail	47		1	46	\$44.19	VSM-300				Surveys	
soda ash		25 kg bag	1	40	2	39	\$26.50	VSM-300				Fishing	
lime		25 kg bag	74		2	72	\$13.10					Run Casing	6.5
ALDACIDE G		5 gal can	25			25						Coring	
Amodrill 1235		1500 l drum	2			2						Reaming	
BARACOR 100		55 gal drum	4			4		Hydrocyclone		Cones	Screens	Hrs	Testing
BARA-DEFOAM W300		5 gal can	17			17		D 16		16 4		Logging	
BARAZAN D PLUS		25 kg bag	42			42						Dir Work	
barite		1000 kg bulk	167.000			167.000						Repair	
BAROFIBRE FINE		25 lb bag	50			50						Other	4.5
Circal 60/16		25 kg sack	48			48		Centrifuge		Speed	Feed Rate	Hrs	Total
Circal Y		25 kg sack	49			49		Centrifuge		3,000	40.00		24.0
citric acid		25 kg bag	37			37		Centrifuge		3,000	40.00		Rotating
CON DET		5 gal can	32			32						ROP	24.0
CON DET		55 gal drum	8			8						Dil Rate	0.00
DEXTRID LTE		25 kg sack	22			22		Fluid Volume Breakdown Seawater					
EZ SPOT		55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD		25 kg pail	96			96		Annulus		Base		Fluid Dumped	
EZ-MUD DP		25 kg bag	14			14		Pipe Cap		Drill Water		Transferred	
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000		Active Pits		Dewatering		SCE	
Kwikseal Fine		40 lb bag	38			38		Total Hole		Sea Water		Evaporation	
N-DRIL HT PLUS		50 lb bag	55			55		Total Circ		Whole Mud		Trips	
NO-SULF		17 kg pail	48			48		Reserve	383.0	Barite		Other	
Omyacarb 5		25 kg bulk	33.000			33.000		Prev Vol	383.0	Chemicals		Total Surface	
PAC-L		25 kg bag	55			55		Net Change		Other		Downhole	
								Total Vol	383.0	Total		Total Losses	
Daily Products Cost		\$4,429.79	Total Daily Cost			\$6,929.79	Fluid Types		Vol bbl		Deviation Information		
Cumulative Products Cost		\$10,469.98	Total Cumulative Cost			\$17,969.98	Old Mud	15.0	Survey MD			m	
Baroid Representatives		Eugene Edwards		James Munford		PHG Mud	1198.0	Potassium Chloride brine	885.0	Survey TVD		m	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle		Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction			
										Horiz Displ.		m	

Daily Drilling Fluid Report

Date		05/29/2008		Depth		132.0 m						
Spud Date		05/27/2008		Rig Activity		Tripping						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	0.000	0.000	0.000	
Jets								Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	0	0	0	
Jets Velocity	m/sec							bbl/strk	0.000	0.000	0.000	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM	AV, Riser	Circ Press psi		
Bit Depth	132.0 m							Total Circ Time	AV min DP	Tot Pres Loss		
ECD @ Csg Shoe	ppg							BU Time, min	AV max DC	Press Drop DP		
ECD @ Bit	ppg							Total Strokes	BU Strokes	Press Drop An		
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #8						Fluid Type			Seawater	
Time		20:00						Fluid Type			Seawater	
Depth	m	132						Total PHB mixed: 1898 bbls.				
FL Temp	Deq C							8.30	9.50	Drill out cement and conductor shoe with seawater. Pump 75bbl high vis PHB sweep prior to POOH to change BHA.		
Density @ Deq C	ppg	8.50 @ 25										
FV @ Deq C	sec/qt	200 @ 25										
PV @ Deq C	cP	20 @ 25										
YP	lbs/100 ft2	70										
GELS	lbs/100 ft2	55/60/70						40/40/-	100/100/-			
600/300		110.0/90.0										
200/100		85.0/75.0										
6/3		55.0/52.0										
API Filt	ml/30 min											
HTHP @ Deq C	ml/30 min											
Cake API/HTHP	32nd in											
Corr Solid	% by Vol	0.7										
NAP/Water	% by Vol	-/99.0										
Sand	% by vol											
MBT	ppb Eq.	40.0										
pH @ Deq C												
ALK Mud	Pm											
ALK Filt	Pf/Mf											
Chlorides	mg/l	800										
Tot. Hardness	mg/l											
LGS/HGS	% by Vol	0.2/0.5										
LGS/HGS	ppb	1.69/8.01										
ASG	SG	3.793										
Additional Properties												
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				Circulating
ALDACIDE G		5 gal can	25			25		VSM-300				Trips
Amodrill 1235		1500 l drum	2			2		VSM-300				Rig
BARACOR 100		55 gal drum	4			4		VSM-300				Surveys
BARA-DEFOAM W300		5 gal can	17			17		VSM-300				Fishing
BARAZAN D PLUS		25 kg bag	42			42						Run Casing
barite		1000 kg bulk	167.000	9.000		176.000						Coring
BAROFIBRE FINE		25 lb bag	50			50						Reaming
bentonite		1000 kg bulk	21.000	13.000		34.000		Hydrocyclone	Cones	Screens	Hrs	Testing
calcium chloride flake 77%		25 kg bag	41			41		D 16	16 4			Logging
caustic soda		25 kg pail	46			46						Dir Work
Circal 60/16		25 kg sack	48			48						Repair
Circal Y		25 kg sack	49			49						Other
citric acid		25 kg bag	37			37						Total
CON DET		5 gal can	32			32		Centrifuge	Speed	Feed Rate	Hrs	Rotating
CON DET		55 gal drum	8			8		Centrifuge	3,000	40.00		ROP
DEXTRID LTE		25 kg sack	22			22		Centrifuge	3,000	40.00		Dil Rate
EZ SPOT		55 gal drum	8			8						0.00
EZ-MUD		25 kg pail	96			96						
EZ-MUD DP		25 kg bag	14			14						
KCL Tech Grade (bulk)		1000 kg bulk	11.000			11.000						
Kwikseal Fine		40 lb bag	38			38						
lime		25 kg bag	72			72						
N-DRIL HT PLUS		50 lb bag	55			55						
NO-SULF		17 kg pail	48			48						
Omyacarb 5		25 kg bulk	33.000			33.000						
PAC-L		25 kg bag	55			55						
potassium chloride		1000 kg bag	10			10						
Daily Products Cost		\$0.00	Total Daily Cost			\$2,500.00	Fluid Types		Vol bbl	Deviation Information		
Cumulative Products Cost		\$10,469.98	Total Cumulative Cost			\$20,469.98	Old Mud		15.0	Survey MD		
Baroid Representatives		Eugene Edwards	Tim Waldhuter			PHG Mud		1185.0	Survey TVD			
Office		90 Talinga Rd Melbourne	Telephone			61-03-9581-7555			Direction			
Warehouse		c/o of Esso Australia Ltd	Telephone			61-3-56-881-445			Horiz Displ.			

Daily Drilling Fluid Report

Date		05/30/2008		Depth		650.0 m						
Spud Date		05/27/2008		Rig Activity		Drilling						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	17.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type	SMITH/XR+C	Drill Pipe	5.500	4.675	446.4	30.000	@	128.0	Bore in	6.500	6.500	6.500
Jets	3x22 1x18	Drill Pipe	5.500	3.250	112.9			Strokes in	14.000	14.000	14.000	
TFA	1.362 sq-in	Drill Collar	8.250	2.813	57.3			Eff(%)	97	97	97	
Jets Velocity	58.7 m/sec	Drill Collar	9.500	3.000	33.4			bbl/stk	0.139	0.139	0.139	
Jet Impact Force	693.9 lbf							SPM	70	70	0	
Bit HHSI	0.56 hhp/in2							gpm/bbl/min	410	9.75	410	
Press Drop @ Bit	281 psi	Open Hole	17.500		522.0			Total GPM	819	AV, Riser	Circ Press psi	
Bit Depth	650.0 m							Total Circ Time	49	AV min DP	8.1	
ECD @ Csg Shoe	8.60 ppg							BU Time, min	34	AV max DC	28.3	
ECD @ Bit	8.80 ppg							Total Strokes	6,876	BU Strokes	4,713	
										Press Drop DP	421	
										Press Drop An	33	
Properties		Hyd 1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #8	Pit #8					Fluid Type			Seawater	
Time		23:59	3:00					Continue to pre-hydrate PHB.				
Depth	m	650	132					Cut back with 30-40% Sea water added 0.15 ppb				
FL Temp	Deq C							Lime prior to pumping sweeps as required for				
Density @ Deq C	ppg	8.50 @ 25	8.50 @ 25				8.30	9.50	hole cleaning. Returns to sea-bed.			
FV @ Deq C	sec/qt	183 @ 25	200 @ 25									
PV @ Deq C	cP	19 @ 25	20 @ 25									
YP	lbs/100 ft2	70	70									
GELS	lbs/100 ft2	50/60/65	55/60/70						40/40/- 100/100/-			
600/300		108.0/89.0	110.0/90.0									
200/100		83.0/72.0	85.0/75.0									
6/3		50.0/47.0	55.0/52.0									
API Filt	ml/30 min											
HTHP @ Deq C	ml/30 min											
Cake API/HTHP	32nd in											
Corr Solid	% by Vol	0.7	0.7									
NAP/Water	% by Vol	-99.0	-99.0									
Sand	% by vol											
MBT	ppb Eq.	38.0	40.0						Rig Activity			
pH @ Deq C		9.00 @ 25	9.00 @ 25						Continue to make up stands of drill pipe and rack			
ALK Mud	Pm								back in derrick. Make up 17 1/2" BHA and RIH to			
ALK Filt	Pf/Mf								132m. Drill 17 1/2" hole from 132m to 650m,			
Chlorides	mg/l	800	800						pumping 50bbl high vis every stand. Survey			
Tot. Hardness	mg/l								every 3rd stand.			
LGS/HGS	% by Vol	0.2/0.5	0.2/0.5									
LGS/HGS	ppb	1.69/8.01	1.69/8.01									
ASG	SG	3.793	3.793									
Additional Properties												
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time		
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker			Drilling		
Drilling Fluids Engineer	day(s)			1		\$1,250.00	Screens			Circulating		
bentonite	1000 kg bulk	34.000		12.000	22.000	\$5,938.56	VSM-300			Trips		
caustic soda	25 kg pail	46		1	45	\$44.19	VSM-300			Rig		
calcium chloride flake 77%	25 kg bag	41		2	39	\$27.64	VSM-300			Surveys		
soda ash	25 kg bag	39		2	37	\$26.50	VSM-300			Fishing		
lime	25 kg bag	72		2	70	\$13.10	VSM-300			Run Casing		
ALDACIDE G	5 gal can	25			25					Coring		
Amodrill 1235	1500 l drum	2			2					Reaming		
BARACOR 100	55 gal drum	4			4		Hydrocyclone			Testing		
BARA-DEFOAM W300	5 gal can	17			17		Cones			Logging		
BARAZAN D PLUS	25 kg bag	42			42		Screens			Dir Work		
barite	1000 kg bulk	176.000			176.000		Hrs			Repair		
BAROFIBRE FINE	25 lb bag	50			50					Other		
Circa 60/16	25 kg sack	48			48		Centrifuge			Total		
Circa Y	25 kg sack	49			49		Speed			24.0		
citric acid	25 kg bag	37			37		Feed Rate			Rotating		
CON DET	5 gal can	32			32		Hrs			ROP		
CON DET	55 gal drum	8			8					Dil Rate		
DEXTRID LTE	25 kg sack	22			22					0.00		
EZ SPOT	55 gal drum	8			8		Fluid Volume Breakdown					
EZ-MUD	25 kg pail	96			96		Active			Seawater		
EZ-MUD DP	25 kg bag	14			14		bbl			Losses		
guar gum	25 kg bag		70		70		Additions			bbl		
KCL Tech Grade (bulk)	1000 kg bulk	11.000			11.000		Annulus			Fluid Dumped		
Kwikseal Fine	40 lb bag	38			38		Pipe Cap			Transferred		
N-DRIL HT PLUS	50 lb bag	55			55		Active Pits			SCE		
NO-SULF	17 kg pail	48			48		Total Hole			Evaporation		
Omyacarb 5	25 kg bulk	33.000			33.000		Total Circ			Trips		
							Reserve			Other		
							Prev Vol			Total Surface		
							Net Change			Downhole		
							Total Vol			Total Losses		
Daily Products Cost		\$6,049.99	Total Daily Cost		\$8,549.99	Fluid Types		Vol bbl	Deviation Information			
Cumulative Products Cost		\$16,519.97	Total Cumulative Cost		\$29,019.97	PHG Mud		1330.0	Survey MD		520.0 m	
Baroid Representatives		Eugene Edwards		Tim Waldhuter		Potassium Chloride brine		885.0	Survey TVD		520.0 m	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555		Angle		0.26 Deg		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445		Direction		307		
								Horiz Displ.		m		

Daily Drilling Fluid Report

Date		06/02/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500	
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time, min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #8	Pit #8					Fluid Type				
Time		20:00	23:59					Continue to mix KCl/Polymer/Clayseal mud for 8				
Depth	m	755	755					1/2" hole section. Mud check for new				
FL Temp	Deq C							KCl/Polymer/Clayseal mud.				
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25									
FV @ Deq C	sec/qt	58 @ 25	58 @ 25									
PV @ Deq C	cP	15 @ 25	15 @ 25									
YP	lbs/100 ft2	27	27									
GELS	lbs/100 ft2	9/12/15	9/12/15									
600/300		57.0/42.0	57.0/42.0									
200/100		35.0/25.0	35.0/25.0									
6/3		12.0/10.0	12.0/10.0									
API Filt	ml/30 min	6.0	6.0									
HTHP @ Deq C	ml/30 min											
Cake API/HTHP	32nd in	1/-	1/-									
Corr Solid	% by Vol	2.8	2.8									
NAP/Water	% by Vol	-93.5	-93.5									
Sand	% by vol											
MBT	ppb Eq.	4.0						Rig Activity				
pH @ Deq C		9.50 @ 25	9.50 @ 25					Cement 13 3/8" casing as per program. POOH 5				
ALK Mud	Pm	0.50	0.50					1/2" inner string. WOC. Rig up and run high				
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20					pressure riser. Stop work and hold safety				
Chlorides	mg/l	45,000	45,000					meeting. Continue running high pressure riser.				
Tot. Hardness	mg/l	200	200									
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4									
LGS/HGS	ppb	3.64/35.32	3.64/35.32									
ASG	SG	3.971	3.971									
Additional Properties												
KCL %	% by vol	9.0	9.0									
KCL mg/l	mg/l	95,150	95,150									
Potassium Ion	mg/l	49,875	49,875									
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating
CLAYSEAL PLUS	216 kg drum	51		14	37	\$13,392.96	VSM-300					Trips
barite	1000 kg bulk	176.000		23.790	152.210	\$11,297.40	VSM-300					Rig
KCL Tech Grade (bulk)	1000 kg bulk	35.000		9.000	26.000	\$6,759.00	VSM-300					Surveys
potassium chloride	1000 kg bag	8		8		\$4,808.00	VSM-300					Fishing
BARAZAN D PLUS	25 kg bag	177		26	151	\$3,958.24						Run Casing
PAC-L	25 kg bag	100		18	82	\$1,473.66						Coring
DEXTRID LTE	25 kg sack	148		36	112	\$1,460.16						Reaming
EZ-MUD	25 kg pail	206		12	194	\$1,029.96	Hydrocyclone		Screens		Hrs	Testing
caustic soda	25 kg pail	39		4	35	\$176.76	D 16		16 4			Logging
ALDACIDE G	5 gal can	22		2	20	\$139.80						Dir Work
Amodrill 1235	1500 l drum	2			2							Repair
BARACOR 100	55 gal drum	4			4							Other
BARA-DEFOAM W300	5 gal can	17			17							Total
BAROFIBRE FINE	25 lb bag	50			50		Centrifuge		Speed		Hrs	19.0
bentonite	1000 kg bulk	22.000	29.570		51.570		Centrifuge		Feed Rate			24.0
calcium chloride flake 77%	25 kg bag	39			39							Rotating
CircaI 60/16	25 kg sack	334			334							ROP
CircaI Y	25 kg sack	477			477							Dil Rate
citric acid	25 kg bag	37			37							0.00
CON DET	5 gal can	32			32							
CON DET	55 gal drum	8			8							
EZ SPOT	55 gal drum	8			8							
EZ-MUD DP	25 kg bag	14			14							
guar gum	25 kg bag	70			70							
Kwikseal Fine	40 lb bag	38			38							
lime	25 kg bag	67			67							
N-DRIL HT PLUS	50 lb bag	55			55							
Fluid Types		Vol bbl		Deviation Information								
Daily Products Cost	\$44,495.94	Total Daily Cost		\$46,995.94	Potassium Chloride brine	300.0	Survey MD	520.0 m				
Cumulative Products Cost	\$103,696.87	Total Cumulative Cost		\$123,696.87	KCl/Polymer	2471.0	Survey TVD	520.0 m				
Baroid Representatives	Eugene Edwards	Tim Waldhuter										
Office	90 Talinga Rd Melbourne	Telephone	61-03-9581-7555		Seawater	241.0	Angle	0.26 Deg				
Warehouse	c/o of Esso Australia Ltd	Telephone	61-3-56-881-445				Direction	307				
							Horiz Displ.	m				

Daily Drilling Fluid Report

Date		06/03/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.						
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1						
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500	
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time , min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #8	Pit #8					Fluid Type				
Time		3:00	20:00					Continue to circulate new KCl/Polymer/Clayseal mud with mix pumps to aid shearing of PHPA.				
Depth	m	755	755									
FL Temp	Deq C											
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00				
FV @ Deq C	sec/qt	58 @ 25	58 @ 25									
PV @ Deq C	cP	15 @ 25	15 @ 25									
YP	lbs/100 ft2	27	27				20	30				
GELS	lbs/100 ft2	9/12/15	9/12/15									
600/300		57.0/42.0	57.0/42.0									
200/100		35.0/25.0	35.0/25.0									
6/3		12.0/10.0	12.0/10.0									
API Filt	ml/30 min	6.0	6.0					6.0				
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0				
Cake API/HTHP	32nd in	1/2	1/2									
Corr Solid	% by Vol	2.8	2.8									
NAP/Water	% by Vol	-93.5	-93.5									
Sand	% by vol											
MBT	ppb Eq.											
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50				
ALK Mud	Pm	0.50	0.50									
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20									
Chlorides	mg/l	45,000	45,000									
Tot. Hardness	mg/l	200	200					400				
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4									
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-				
ASG	SG	3.971	3.971									
Additional Properties												
KCL %	% by vol	9.0	9.0									
KCL mg/l	mg/l	95,150	95,150									
Clayseal	% by vol	2.0	2.0									
PHPA Concentration	ppb	1.00	1.00									
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300				Circulating
ALDACIDE G		5 gal can	20			20		VSM-300				Trips
Amodrill 1235		1500 l drum	2			2		VSM-300				Rig
BARACOR 100		55 gal drum	4			4		VSM-300				Surveys
BARA-DEFOAM W300		5 gal can	17			17		VSM-300				Fishing
BARAZAN D PLUS		25 kg bag	151			151						Run Casing
barite		1000 kg bulk	152.210			152.210						Coring
BAROFIBRE FINE		25 lb bag	50			50						Reaming
bentonite		1000 kg bulk	51.570			51.570		Hydrocyclone	Cones	Screens	Hrs	Testing
calcium chloride flake 77%		25 kg bag	39			39		D 16	16 4			Logging
caustic soda		25 kg pail	35			35						Dir Work
Circal 60/16		25 kg sack	334			334						Repair
Circal Y		25 kg sack	477			477						Other
citric acid		25 kg bag	37			37		Centrifuge	Speed	Feed Rate	Hrs	Total
CLAYSEAL PLUS		216 kg drum	37			37		3,000	40.00			24.0
CON DET		5 gal can	32			32		Centrifuge	3,000	40.00		24.0
CON DET		55 gal drum	8			8						Rotating
DEXTRID LTE		25 kg sack	112			112						ROP
EZ SPOT		55 gal drum	8			8						Dil Rate
EZ-MUD		25 kg pail	194			194						0.00
EZ-MUD DP		25 kg bag	14			14						
guar gum		25 kg bag	70			70						
KCL Tech Grade (bulk)		1000 kg bulk	26.000			26.000						
Kwikseal Fine		40 lb bag	38			38						
lime		25 kg bag	67			67						
N-DRIL HT PLUS		50 lb bag	55			55						
NO-SULF		17 kg pail	48			48						
Omyacarb 5		25 kg bulk	33.000			33.000						
Fluid Types		Vol bbl	Deviation Information									
Daily Products Cost		\$0.00	Total Daily Cost	\$2,500.00	KCl/Polymer	2471.0	Survey MD	520.0 m				
Cumulative Products Cost		\$103,696.87	Total Cumulative Cost	\$126,196.87	Potassium Chloride brine	300.0	Survey TVD	520.0 m				
Baroid Representatives		Eugene Edwards	Tim Waldhuter	Seawater	241.0	Angle	0.26 Deg					
Office		90 Talinga Rd Melbourne	Telephone	61-03-9581-7555		Direction	307					
Warehouse		c/o of Esso Australia Ltd	Telephone	61-3-56-881-445		Horiz Displ.	m					

Daily Drilling Fluid Report

Date		06/04/2008		Depth		755.0 m							
Spud Date		05/27/2008		Rig Activity		Nipple up B.O.P.							
Operator NEXUS ENERGY			Report For Bill Openshaw/Stefan Schmidt			Well Name Garfish -1							
Contractor Seadrill			Report For Micheal Barry			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500		
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time , min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #8	Pit #8					Fluid Type					
Time		3:00	20:00					Continue shearing new KCl/Polymer/Clayseal mud with mix pumps.					
Depth	m	755	755										
FL Temp	Deq C												
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00					
FV @ Deq C	sec/qt	58 @ 25	57 @ 25										
PV @ Deq C	cP	15 @ 25	15 @ 25										
YP	lbs/100 ft2	27	27				20	30					
GELS	lbs/100 ft2	9/12/15	9/12/15										
600/300		57.0/42.0	57.0/42.0										
200/100		35.0/25.0	35.0/25.0										
6/3		11.0/9.0	11.0/9.0										
API Filt	ml/30 min	6.0	6.0					6.0					
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0					
Cake API/HTHP	32nd in	1/2	1/2										
Corr Solid	% by Vol	2.8	2.8										
NAP/Water	% by Vol	-93.5	-93.5										
Sand	% by vol												
MBT	ppb Eq.												
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50					
ALK Mud	Pm	0.50	0.50										
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20										
Chlorides	mg/l	45,000	45,000										
Tot. Hardness	mg/l	200	200					400					
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4										
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-					
ASG	SG	3.971	3.971										
Additional Properties													
KCL %	% by vol	9.0	9.0										
KCL mg/l	mg/l	95,150	95,150										
Clayseal	% by vol	2.0	2.0										
PHPA Concentration	ppb	1.00	1.00										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time		
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Hrs	Drilling		
Drilling Fluids Engineer		day(s)			1		\$1,250.00	Screens			Circulating		
ALDACIDE G		5 gal can	20			20		VSM-300			Trips		
Amodrill 1235		1500 l drum	2			2		VSM-300			Rig		
BARACOR 100		55 gal drum	4			4		VSM-300			Surveys		
BARA-DEFOAM W300		5 gal can	17			17		VSM-300			Fishing		
BARAZAN D PLUS		25 kg bag	151			151					Run Casing		
barite		1000 kg bulk	152.210			152.210					Coring		
BAROFIBRE FINE		25 lb bag	50			50					Reaming		
bentonite		1000 kg bulk	51.570			51.570		Hydrocyclone			Testing		
calcium chloride flake 77%		25 kg bag	39			39		Cones			Logging		
caustic soda		25 kg pail	35			35		Screens			Dir Work		
Circal 60/16		25 kg sack	334			334		Hrs			Repair		
Circal Y		25 kg sack	477			477					Other		
citric acid		25 kg bag	37			37		Centrifuge			Total		
CLAYSEAL PLUS		216 kg drum	37			37		Speed			24.0		
CON DET		5 gal can	32			32		Feed Rate			24.0		
CON DET		55 gal drum	8			8		Hrs			Rotating		
DEXTRID LTE		25 kg sack	112			112					ROP		
EZ SPOT		55 gal drum	8			8					Dil Rate		
EZ-MUD		25 kg pail	194			194					0.00		
EZ-MUD DP		25 kg bag	14			14		Fluid Volume Breakdown					
guar gum		25 kg bag	70			70		Active	bbl	Additions	bbl	Losses	bbl
KCL Tech Grade (bulk)		1000 kg bulk	26.000			26.000		Annulus		Base		Fluid Dumped	
Kwikseal Fine		40 lb bag	38			38		Pipe Cap		Drill Water		Transferred	
lime		25 kg bag	67			67		Active Pits		Dewatering		SCE	
N-DRIL HT PLUS		50 lb bag	55			55		Total Hole		Sea Water		Evaporation	
NO-SULF		17 kg pail	48			48		Total Circ		Whole Mud		Trips	
Omyacarb 5		25 kg bulk	33.000			33.000		Total Circ		Barite		Other	
								Reserve		Chemicals		Total Surface	
								Prev Vol		Other		Downhole	
								Net Change		Total		Total Losses	
								Total Vol	3125.0				
Daily Products Cost		\$0.00	Total Daily Cost			\$2,500.00	Fluid Types		Vol bbl	Deviation Information			
Cumulative Products Cost		\$103,696.87	Total Cumulative Cost			\$128,696.87	KCl/Polymer	2458.0	Survey MD		520.0 m		
Baroid Representatives		Eugene Edwards	Tim Waldhuter				Potassium Chloride brine	300.0	Survey TVD		520.0 m		
Office		90 Talinga Rd Melbourne	Telephone			61-03-9581-7555	Seawater	367.0	Angle		0.26 Deg		
Warehouse		c/o of Esso Australia Ltd	Telephone			61-3-56-881-445			Direction		307		
									Horiz Displ.		m		

Daily Drilling Fluid Report

Date		06/05/2008		Depth		755.0 m						
Spud Date		05/27/2008		Rig Activity		Tripping						
Operator NEXUS ENERGY		Report For Bill Openshaw/Stefan Schmidt		Well Name Garfish -1								
Contractor Seadrill		Report For Micheal Barry		Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000 @	128.0		Bore in	6.500	6.500	6.500	
Jets					13.375 @	746.5		Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	755.0 m	Open Hole	17.500	627.0				Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time , min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #6	Pit #6					Fluid Type KCI/Polymer				
Time		3:00	20:00					Continue shearing new KCI/Polymer/Clayseal mud through mix pumps to aid shearing PHPA.				
Depth	m	755	755					Displace well to KCI/Polymer/Clayseal mud when drilling cement and shoe track. Treat mud with Citric Acid and Sodium Bicarbonate while drilling out cement.				
FL Temp	Deq C											
Density @ Deq C	ppg	9.50 @ 25	9.50 @ 25				9.50	11.00				
FV @ Deq C	sec/qt	57 @ 25	57 @ 25									
PV @ Deq C	cP	15 @ 25	15 @ 25									
YP	lbs/100 ft2	27	27				20	30				
GELS	lbs/100 ft2	9/12/15	9/12/15									
600/300		57.0/42.0	57.0/42.0									
200/100		35.0/25.0	35.0/25.0									
6/3		11.0/9.0	11.0/9.0									
API Filt	ml/30 min	6.0	6.0					6.0				
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.5 @ 41					12.0				
Cake API/HTHP	32nd in	1/2	1/2									
Corr Solid	% by Vol	2.8	2.8									
NAP/Water	% by Vol	-93.5	-93.5									
Sand	% by vol											
MBT	ppb Eq.								Rig Activity			
pH @ Deq C		9.50 @ 25	9.50 @ 25				8.50	9.50	Make up 12 1/4" BHA and RIH. Drill cement and shoe track. Displace to KCI/Polymer mud.			
ALK Mud	Pm	0.50	0.50						Conduct LOT, 1020psi, EMW 17.39 ppg. POOH and lay out 12 1/4" BHA. Make up 8 1/2" BHA and RIH.			
ALK Filt	Pf/Mf	0.42/1.20	0.42/1.20									
Chlorides	mg/l	45,000	45,000									
Tot. Hardness	mg/l	200	200					400				
LGS/HGS	% by Vol	0.4/2.4	0.4/2.4									
LGS/HGS	ppb	3.64/35.32	3.64/35.32					35.00/-				
ASG	SG	3.971	3.971									
Additional Properties												
KCL %	% by vol	9.0	9.0									
KCL mg/l	mg/l	95,150	95,150									
Clayseal	% by vol	2.0	2.0									
PHPA Concentration	ppb	1.00	1.00									
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	0.5
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300	89		2.0	Circulating	0.5
citric acid	25 kg bag	37		4	33	\$184.96	VSM-300	89		2.0	Trips	22.5
sodium bicarbonate	25 kg bag	36		4	32	\$50.20	VSM-300	89		2.0	Rig	
ALDACIDE G	5 gal can	20			20		VSM-300	89		2.0	Surveys	
Amodrill 1235	1500 l drum	2			2		VSM-300				Fishing	
BARACOR 100	55 gal drum	4			4						Run Casing	
BARA-DEFOAM W300	5 gal can	17			17						Coring	
BARAZAN D PLUS	25 kg bag	151			151						Reaming	
barite	1000 kg bulk	152.210			152.210		Hydrocyclone	Cones	Screens	Hrs	Testing	
BAROFIBRE FINE	25 lb bag	50			50		D 16	16 4			Logging	
bentonite	1000 kg bulk	51.570			51.570						Dir Work	
calcium chloride flake 77%	25 kg bag	39			39						Repair	
caustic soda	25 kg pail	35			35						Other	0.5
Circal 60/16	25 kg sack	334			334		Centrifuge	Speed	Feed Rate	Hrs	Total	24.0
Circal Y	25 kg sack	477			477		Centrifuge	3,000	40.00		Rotating	0.5
CLAYSEAL PLUS	216 kg drum	37			37		Centrifuge	3,000	40.00		ROP	
CON DET	5 gal can	32			32						Dil Rate	0.00
CON DET	55 gal drum	8			8		Fluid Volume Breakdown					
DEXTRID LTE	25 kg sack	112			112		Active	bbl	Additions	bbl	Losses	bbl
EZ SPOT	55 gal drum	8			8		Annulus		Base		Fluid Dumped	
EZ-MUD	25 kg pail	194			194		Pipe Cap		Drill Water		Transferred	
EZ-MUD DP	25 kg bag	14			14		Active Pits	510.0	Dewatering		SCE	-58.2
guar gum	25 kg bag	70			70		Total Hole	418.5	Sea Water		Evaporation	
KCL Tech Grade (bulk)	1000 kg bulk	26.000			26.000		Total Circ	510.0	Whole Mud		Trips	
Kwikseal Fine	40 lb bag	38			38		Reserve	1472.0	Barite		Other	
lime	25 kg bag	67			67		Prev Vol	3125.0	Chemicals	0.7	Total Surface	
N-DRIL HT PLUS	50 lb bag	55			55		Net Change	-57.5	Other		Downhole	
NO-SULF	17 kg pail	48			48		Total Vol	2400.5	Total	0.7	Total Losses	-58.2
Daily Products Cost		\$235.16	Total Daily Cost		\$2,735.16	Fluid Types		Vol bbl		Deviation Information		
Cumulative Products Cost		\$103,932.03	Total Cumulative Cost		\$131,432.03	Potassium Chloride brine		300.0		Survey MD		520.0 m
Baroid Representatives		Eugene Edwards		Tim Waldhuter		Seawater		367.0		Survey TVD		520.0 m
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle		0.26 Deg
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction		307
										Horiz Displ.		m

Daily Drilling Fluid Report

Date		06/06/2008		Depth		1,365.0 m						
Spud Date		05/27/2008		Rig Activity		Drilling						
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1						
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	1,173.7	30.000	@	128.0	Bore in	6.500	6.500	
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	
TFA	0.905 sq-in	Other	6.500	0.000	11.7				Eff(%)	97	97	
Jets Velocity	112.3 m/sec	Drill Pipe	5.500	3.250	56.4				bbl/stk	0.139	0.139	
Jet Impact Force	1926.5 lbf	Drill Collar	6.563	2.813	76.2				SPM	89	89	
Bit HHSI	12.59 hhp/in2								gpm/bbl/min	521	521	
Press Drop @ Bit	1175 psi	Open Hole	8.800		618.5				Total GPM	1,042	12.40	
Bit Depth	1,365.0 m								AV, Riser		Circ Press psi	
ECD @ Csg Shoe	9.88 ppg								Total Circ Time	43	10.3	
ECD @ Bit	10.32 ppg								BU Time, min	18	226.4	
									Total Strokes	7,589	3,210	
									BU Strokes		Press Drop An	
											145	
Properties		1	2	3	Hyd 4	Targets	Program	Fluid Treatments				
Source	Pit #6	Pit #6	Pit #6	Flow Line				Fluid Type			KCI/Polymer	
Time	3:00	10:30	16:30	23:59				Some cement contamination.				
Depth	m	758	903	1,111	1,364			Treated active with Citric Acid to lower pH and				
FL Temp	Deq C		34	36	37			added Barazan to restore low end rheology.				
Density @ Deq C	ppq	9.50 @ 25	9.50 @ 25	9.60 @ 25	9.70 @ 32		9.50	11.00	Adding EZ Mud to increase PHPA concentration.			
FV @ Deq C	sec/qt	55 @ 25	46 @ 25	56 @ 25	55 @ 32				Added Aldacide-G to active to maintain			
PV @ Deq C	cP	10 @ 25	13 @ 25	18 @ 25	12 @ 32				concentration. Adding unweighted			
YP	lbs/100 ft2	23	26	33	26	X		20	30	KCI/Polymer/Clayseal to active as required to		
GELS	lbs/100 ft2	9/12/15	9/18/22	14/20/23	10/17/19					maintain volume and dilution. Dump sand trap to		
600/300		43.0/33.0	52.0/39.0	69.0/51.0	50.0/38.0					prevent solids build up and upgrade shaker		
200/100		35.0/25.0	32.0/24.0	45.0/35.0	33.0/25.0					screens to aid in solids control.		
6/3		10.0/8.0	10.0/8.0	15.0/13.0	12.0/10.0							
API Filt	ml/30 min	6.0	5.5	5.5	5.3				6.0			
HTHP @ Deq C	ml/30 min	8.5 @ 41	8.2 @ 41	8.2 @ 41	8.0 @ 41				12.0			
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2							
Corr Solid	% by Vol	2.7	4.8	4.8	4.8							
NAP/Water	% by Vol	-93.8	-92.0	-92.0	-92.0							
Sand	% by vol		0.50	0.75	0.75							
MBT	ppb Eq.		2.5	2.5	5.0				15.0	Rig Activity		
pH @ Deq C		10.00 @ 25	10.00 @ 25	9.50 @ 25	9.50 @ 25	X	X		8.50	9.50	Continue to RIH. Drill 8 1/2" hole from 758m to	
ALK Mud	Pm	0.60	0.40	0.40	0.30						1365m with surveys every 3 stands.	
ALK Filt	Pf/Mf	0.50/1.60	0.20/1.20	0.20/1.20	0.22/1.50							
Chlorides	mg/l	42,000	40,000	40,000	40,000							
Tot. Hardness	mg/l	400	600	600	600	X	X	X		400		
LGS/HGS	% by Vol	0.1/2.7	3.9/0.9	3.2/1.6	2.4/2.4							
LGS/HGS	ppb	0.59/39.45	35.67/12.71	28.84/23.73	22.02/34.76	*				35.00/-		
ASG	SG	4.162	2.889	3.140	3.391							
Additional Properties												
KCL %	% by vol	8.5	8.0	8.0	8.0							
KCL mg/l	mg/l	89,575	88,500	88,500	88,500							
Clayseal	% by vol	2.0	2.0	2.0	2.0							
PHPA Concentration	ppb	1.00	1.10	1.30	1.40							
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time	
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker			Drilling	
Drilling Fluids Engineer	day(s)				1		\$1,250.00	Screens			Hrs	
EZ-MUD	25 kg pail	194		26	168		\$2,231.58	VSM-300	145	17.5	17.5	
BARAZAN D PLUS	25 kg bag	151		12	139		\$1,826.88	VSM-300	215	17.5	6.0	
barite	1000 kg bulk	152.210		3,200	149.010		\$1,519.62	VSM-300	255	17.5	Surveys	
citric acid	25 kg bag	33		12	21		\$554.88				Fishing	
ALDACIDE G	5 gal can	20		1	19		\$69.90				Run Casing	
Amodrill 1235	1500 l drum	2			2						Coring	
BARACOR 100	55 gal drum	4			4						Reaming	
BARA-DEFOAM W300	5 gal can	17			17			Hydrocyclone	Cones	Screens	Hrs	
BAROFIBRE FINE	25 lb bag	50			50			D 16	16 4		Testing	
bentonite	1000 kg bulk	51.570			51.570						Logging	
calcium chloride flake 77%	25 kg bag	39			39			Centrifuge	Speed	Feed Rate	Hrs	
caustic soda	25 kg pail	35			35			3,000	40.00		Dir Work	
Circal 60/16	25 kg sack	334			334			Centrifuge	3,000	40.00	Repair	
Circal Y	25 kg sack	477			477						Other	
CLAYSEAL PLUS	216 kg drum	37			37						Total	
CON DET	5 gal can	32			32						24.0	
CON DET	55 gal drum	8			8						Rotating	
DEXTRID LTE	25 kg sack	112			112						ROP	
EZ SPOT	55 gal drum	8			8						24.0	
EZ-MUD DP	25 kg bag	14			14						0.00	
guar gum	25 kg bag	70			70							
KCL Tech Grade (bulk)	1000 kg bulk	26,000			26,000							
Kwikseal Fine	40 lb bag	38			38							
lime	25 kg bag	67			67							
N-DRIL HT PLUS	50 lb bag	55			55							
NO-SULF	17 kg pail	48			48							
Omyacarb 5	25 kg bulk	33,000			33,000							
Fluid Volume Breakdown		KCI/Polymer			Fluid Types			Deviation Information				
Annulus	447.3	Base			Potassium Chloride brine	330.0	Survey MD	1,333.0 m				
Pipe Cap	39.1	Drill Water					Survey TVD	1,333.0 m				
Active Pits	571.0	Dewatering					Angle	0.43 Deg				
Total Hole	486.4	Sea Water					Direction	19				
Total Circ	1057.4	Whole Mud					Horiz Displ.	0.1 m				
Reserve	1189.0	Barite	4.8									
Prev Vol	2400.5	Chemicals	6.5									
Net Change	-248.3	Other										
Total Vol	2246.4	Total	11.2									
Daily Products Cost	\$6,202.86	Total Daily Cost	\$8,702.86									
Cumulative Products Cost	\$110,134.88	Total Cumulative Cost	\$140,134.88									
Baroid Representatives		Brian Auckram		Tim Waldhuter								
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						

Daily Drilling Fluid Report

Date		06/07/2008		Depth		2,082.0 m							
Spud Date		05/27/2008		Rig Activity		Drilling							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	REED-HYCALOGRSX 519M-A2	Drill Pipe	5.000	3.000	1,890.7	30.000 @	128.0	Bore in	6.500	6.500	6.500		
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375 @	746.5	Strokes in	14.000	14.000	14.000		
TFA	0.905 sq-in	Other	6.500	0.000	11.7			Eff(%)	97	97	97		
Jets Velocity	88.3 m/sec	Drill Pipe	5.500	3.250	56.4			bbl/stk	0.139	0.139	0.139		
Jet Impact Force	1240.9 lbf	Drill Collar	6.563	2.813	76.2			SPM	70	0	70		
Bit HHSI	6.38 hhp/in2							gpm/bbl/min	410 9.75		410 9.75		
Press Drop @ Bit	757 psi	Open Hole	8.800		1,335.5			Total GPM	819	AV, Riser	Circ Press psi	2640	
Bit Depth	2,082.0 m							Total Circ Time	60	AV min DP	8.1	Tot Pres Loss	5253
ECD @ Csg Shoe	10.29 ppq							BU Time, min	29	AV max DC	178.1	Press Drop DP	4222
ECD @ Bit	10.72 ppq							Total Strokes	8,456	BU Strokes	4,052	Press Drop An	221
Properties		1	2	3	Hyd 4	Targets		Program		Fluid Treatments			
Source	Pit #6	Pit #6	Pit #6	Flow Line						Fluid Type	KCI/Polymer		
Time	17:00	5:15	11:20	22:00						Added 10ppb Calcium Carbonate to premix to maintain active concentration. Treated increased hardness by addition of Soda Ash to the active.			
Depth	m	1,962	1,556	1,764	2,000					Continue adding EZ Mud to active to maintain concentration and inhibition. Prepare further			
FL Temp	Deq C	48	37	42	49					450bbl KCI/Polymer/Clayseal premix, weighted to			
Density @ Deq C	ppq	10.00 @ 36	9.90 @ 32	9.90 @ 32	10.10 @ 42			9.50	11.00	9.5ppg for dilution volume. Added 10ppb Calcium Carbonate to active prior to 2000m to minimize potential seepage losses.			
FV @ Deq C	sec/qt	52 @ 36	55 @ 32	52 @ 32	57 @ 42					Dump sandtrap as required to prevent solids build up.			
PV @ Deq C	cP	17 @ 49	12 @ 49	17 @ 49	17 @ 49								
YP	lbs/100 ft2	29	27	33	29		X	20	30				
GELS	lbs/100 ft2	14/20/25	11/17/19	14/21/26	14/20/25								
600/300		63.0/46.0	51.0/39.0	67.0/50.0	63.0/46.0								
200/100		40.0/30.0	32.0/25.0	41.0/32.0	40.0/30.0								
6/3		14.0/12.0	12.0/10.0	15.0/13.0	14.0/12.0								
API Filtr	ml/30 min	5.6	5.5	5.6	5.5				6.0				
HTHP @ Deq C	ml/30 min	8.0 @ 93	8.0 @ 93	8.0 @ 93	8.0 @ 93				12.0				
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2								
Corr Solid	% by Vol	7.9	5.8	8.9	7.9								
NAP/Water	% by Vol	-89.0	-91.0	-88.0	-89.0								
Sand	% by vol	0.75	1.00	0.75	1.00								
MBT	ppb Eq.	5.0	5.0	5.0	5.0				15.0	Rig Activity			
pH @ Deq C		9.00 @ 25	9.00 @ 25	9.00 @ 25	9.00 @ 25				8.50	9.50	Continue drilling 8 1/2" hole from 1365m to 2077m with surveys every 5 stands. Increased flow observed. Flow check, shut in well 0 psi. Continue drilling 8 1/2" hole from 2077m to 2082m.		
ALK Mud	Pm	0.20	0.30	0.20	0.20								
ALK Filtr	Pf/Mf	0.10/1.10	0.20/1.60	0.20/1.20	0.20/1.30								
Chlorides	mg/l	40,000	40,000	40,000	40,000								
Tot. Hardness	mg/l	600	600	600	480	X	X	X	X	400			
LGS/HGS	% by Vol	6.3/1.6	3.0/2.9	9.1/0.2	5.5/2.3								
LGS/HGS	ppb	57.24/23.57	26.93/42.05	82.63/-2.21	50.42/34.59	X	*	*		35.00/-			
ASG	SG	2.925	3.386	2.573	3.077								
Additional Properties													
KCL %	% by vol	8.0	8.0	8.0	8.0								
KCL mg/l	mg/l	88,500	88,500	88,500	88,500								
Clayseal	% by vol	2.0	2.0	2.0	2.0								
PHPA Concentration	ppb	1.50	1.40	1.40	1.70								
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	24.0
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300		255	24.0	Circulating	
CLAYSEAL PLUS		216 kg drum	37		7	30	\$6,696.48	VSM-300		255	24.0	Trips	
barite		1000 kg bulk	149.010		10.630	138.380	\$5,047.97	VSM-300		255	24.0	Rig	
KCL Tech Grade (bulk)		1000 kg bulk	26.000		6.000	20.000	\$4,506.00	VSM-300		255	24.0	Surveys	
EZ-MUD		25 kg pail	168		38	130	\$3,261.54					Fishing	
BARAZAN D PLUS		25 kg bag	139		17	122	\$2,588.08					Run Casing	
Circal Y		25 kg sack	477		143	334	\$1,830.40					Coring	
Circal 60/16		25 kg sack	334		143	191	\$1,448.59					Reaming	
PAC-L		25 kg bag	82		9	73	\$736.83	Hydrocyclone		Cones	Screens	Hrs	Testing
DEXTRID LTE		25 kg sack	112		18	94	\$730.08	D 16		16	4		Logging
soda ash		25 kg bag	37		18	19	\$238.50					Dir Work	
ALDACIDE G		5 gal can	19		3	16	\$209.70					Repair	
caustic soda		25 kg pail	35		2	33	\$88.38					Other	
Amodrill 1235		1500 l drum	2			2		Centrifuge		Speed	Feed Rate	Hrs	Total
BARACOR 100		55 gal drum	4			4				3,000	40.00		24.0
BARA-DEFOAM W300		5 gal can	17			17		Centrifuge		3,000	40.00		Rotating
BAROFIBRE FINE		25 lb bag	50			50							29.9
bentonite		1000 kg bulk	51.570			51.570							Dil Rate
calcium chloride flake 77%		25 kg bag	39			39							0.00
citric acid		25 kg bag	21			21							
CON DET		5 gal can	32			32							
CON DET		55 gal drum	8			8							
EZ SPOT		55 gal drum	8			8							
EZ-MUD DP		25 kg bag	14			14							
guar gum		25 kg bag	70			70							
Kwikseal Fine		40 lb bag	38			38							
lime		25 kg bag	67			67							
N-DRIL HT PLUS		50 lb bag	55			55							
Fluid Types		Vol	bbl	Deviation Information									
Daily Products Cost		\$27,382.55	Total Daily Cost	\$29,882.55	Potassium Chloride brine	330.0	Survey MD	2,040.0 m					
Cumulative Products Cost		\$137,517.44	Total Cumulative Cost	\$170,017.44			Survey TVD	2,040.0 m					
Baroid Representatives		Brian Auckram		Tim Waldhuter			Angle	1.64 Deg					
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555		Direction	351				
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445		Horiz Displ.	0.9 m				

Daily Drilling Fluid Report

Date		06/08/2008		Depth		2,352.0 m								
Spud Date		05/27/2008		Rig Activity		Drilling								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	REED-HYCALOG/RSX 519M-A2	Drill Pipe	5.000	3.000	2,160.7	30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets	5x14 2x10	Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	0.905 sq-in	Other	6.500	0.000	11.7				Eff(%)	97	97	97		
Jets Velocity	174.1 m/sec	Drill Pipe	5.500	3.250	56.4				bbl/stk	0.139	0.139	0.139		
Jet Impact Force	5252.5 lbf	Drill Collar	6.563	2.813	76.2				SPM	138	0	138		
Bit HHSI	53.21 hhp/in2								gpm/bbl/min	808	19.23	808	19.23	
Press Drop @ Bit	3204 psi	Open Hole	8.800		1,605.5				Total GPM	1,615	AV, Riser	Circ Press psi	2800	
Bit Depth	2,352.0 m								Total Circ Time	33	AV min DP	15.9	Tot Pres Loss	20489
ECD @ Csg Shoe	11.22 ppg								BU Time, min	16	AV max DC	351.0	Press Drop DP	16380
ECD @ Bit	12.81 ppg								Total Strokes	9,000	BU Strokes	4,368	Press Drop An	725
Properties		1	2	3	Hyd 4	Targets	Program	Fluid Treatments						
Source		Pit #6	Pit #6	Pit #6	Pit #6			Fluid Type			KCI/Polymer			
Time		4:30	14:00	21:30	23:59			Commence weighting system to 11.0ppg with Barite at 2100m.						
Depth	m	2,140	2,249	2,335	0			Added Circal 60/16 and Y to maintain concentrations respectively. Treated active with Soda Ash to maintain hardness within specification. Added Pac-L and Dextrid LT to active to maintain fluid loss. Continue to treat active with Aldacide-G every 12 hours to prevent bacterial degradation. Dumped sand traps as required to prevent solids build up.						
FL Temp	Deq C	49	51	51	51			Rig Activity						
Density @ Deq C	ppg	11.00 @ 37	11.00 @ 45	11.00 @ 45	11.00 @ 45		9.50	11.00	Continue drilling 8 1/2" hole from 2082m to 2352m with surveys.					
FV @ Deq C	sec/qt	51 @ 37	51 @ 45	51 @ 45	51 @ 45									
PV @ Deq C	cP	18 @ 49	17 @ 49	15 @ 49	15 @ 49									
YP	lbs/100 ft2	30	30	30	30		20	30						
GELS	lbs/100 ft2	11/22/27	13/22/26	12/25/-	12/25/-									
600/300		66.0/48.0	64.0/47.0	60.0/45.0	60.0/45.0									
200/100		40.0/30.0	40.0/30.0	36.0/27.0	36.0/27.0									
6/3		13.0/11.0	13.0/11.0	14.0/12.0	14.0/12.0									
API Filt	ml/30 min	5.6	5.6	6.0	6.0			6.0						
HTHP @ Deq C	ml/30 min	8.1 @ 93	12.0 @ 93	12.0 @ 93	12.0 @ 93			12.0						
Cake API/HTHP	32nd in	1/2	1/2	1/2	1/2									
Corr Solid	% by Vol	10.9	10.9	10.6	10.6									
NAP/Water	% by Vol	-86.0	-86.0	-86.0	-86.0									
Sand	% by vol	1.00	1.00	1.00	1.00									
MBT	ppb Eq.	10.0	7.5	7.5	7.5			15.0						
pH @ Deq C		8.50 @ 25	9.00 @ 25	9.00 @ 25	9.00 @ 25		8.50	9.50						
ALK Mud	Pm	0.10	0.10	0.10	0.10									
ALK Filt	Pf/Mf	0.12/1.50	0.10/1.10	0.10/1.10	0.10/1.10									
Chlorides	mg/l	41,000	41,000	45,000	45,000									
Tot. Hardness	mg/l	600	400	400	400	X		400						
LGS/HGS	% by Vol	4.8/6.1	4.8/6.1	4.5/6.1	4.5/6.1									
LGS/HGS	ppb	43.93/89.64	43.93/89.64	40.85/90.00	40.85/90.00	X	*	*	*	35.00/-				
ASG	SG	3.493	3.493	3.523	3.523									
Additional Properties														
KCL %	% by vol	8.2	8.0	8.9	8.9									
KCL mg/l	mg/l	86,230	88,500	95,000	95,000									
Clayseal	% by vol	2.0	2.0	2.0	2.0									
PHPA Concentration	ppb	1.70	1.80	1.80	1.80									
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment			Time			
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker			Drilling			
Drilling Fluids Engineer	day(s)				1		\$1,250.00	Screens			24.0			
barite	1000 kg bulk	138.380			28.740	109.640	\$13,648.05	VSM-300	255		24.0			
Circal Y	25 kg sack	334			48	286	\$614.40	VSM-300	255		24.0			
PAC-L	25 kg bag	73			6	67	\$491.22	VSM-300	255		24.0			
Circal 60/16	25 kg sack	191			48	143	\$486.24							
soda ash	25 kg bag	19			19		\$251.75							
DEXTRID LTE	25 kg sack	94			6	88	\$243.36							
ALDACIDE G	5 gal can	16			2	14	\$139.80							
Amodrill 1235	1500 l drum	2			2			Hydrocyclone	Cones	Screens	Hrs			
BARACOR 100	55 gal drum	4			4			D 16	16 4					
BARA-DEFOAM W300	5 gal can	17			17									
BARAZAN D PLUS	25 kg bag	122			122									
BAROFIBRE FINE	25 lb bag	50			50									
bentonite	1000 kg bulk	51.570			51.570			Centrifuge	Speed	Feed Rate	Hrs			
calcium chloride flake 77%	25 kg bag	39			39			3,000	40.00					
caustic soda	25 kg pail	33			33			3,000	40.00					
citric acid	25 kg bag	21			21									
CLAYSEAL PLUS	216 kg drum	30			30									
CON DET	5 gal can	32			32									
CON DET	55 gal drum	8			8									
EZ SPOT	55 gal drum	8			8									
EZ-MUD	25 kg pail	130			130									
EZ-MUD DP	25 kg bag	14			14									
guar gum	25 kg bag	70			70									
KCL Tech Grade (bulk)	1000 kg bulk	20,000			20,000									
Kwikseal Fine	40 lb bag	38			38									
lime	25 kg bag	67			67									
N-DRIL HT PLUS	50 lb bag	55			55									
Fluid Types		Vol	bbl	Deviation Information										
Potassium Chloride brine		330.0		Survey MD	2,188.8 m									
				Survey TVD	2,187.9 m									
				Angle	1.63 Deg									
				Direction	348									
				Horiz Displ.	0.9 m									
Daily Products Cost		\$15,874.82	Total Daily Cost		\$18,374.82									
Cumulative Products Cost		\$153,392.26	Total Cumulative Cost		\$188,392.26									
Baroid Representatives		Brian Auckram		Tim Waldhuter										
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555								
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445								

Daily Drilling Fluid Report

Date		06/09/2008		Depth		2,450.0 m							
Spud Date		05/27/2008		Rig Activity		Tripping							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type	HTC/BHC-409 Z	Drill Pipe	5.000	3.000	538.7	30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets		Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	1.080 sq-in	Other	6.500	0.000	11.7				Eff(%)	97	97	97	
Jets Velocity	m/sec	Drill Pipe	5.500	3.250	56.4				bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf	Drill Collar	6.600	2.750	56.1				SPM	0	0	0	
Bit HHSI	hhp/in2	Other	8.500	0.000	69.1				gpm/bbl/min				
Press Drop @ Bit	psi	Open Hole	8.800		1,703.5				Total GPM				
Bit Depth	779.0 m								Total Circ Time				
ECD @ Csg Shoe	11.05 ppg								BU Time , min				
ECD @ Bit	11.05 ppg								Total Strokes				
Properties		1	Hyd 2	3	4	Targets	Program	Fluid Treatments					
Source	Pit #6	Pit #6	Pit #6					Fluid Type					
Time	9:30	3:40	21:00					KCI/Polymer					
Depth	2,450	2,398	2,450					Add Barite to active to maintain mud weight at 11.0ppg. Weighted 200bbl premix from 9.5ppg to 10.6ppg with Barite to allow addition without reduction in mud weight. Added EZ-Mud to active to maintain concentraion and inhibition. Treated active system with Barazan-D to maintain rheology. Prepared 63bbl high viscosity sweep and pumped to assist hole cleaning prior to POOH.					
FL Temp	52	51											
Density @ Deg C	11.00 @ 45	11.05 @ 45	11.10 @ 40										
FV @ Deg C	52 @ 45	48 @ 45	55 @ 40										
PV @ Deg C	18 @ 49	16 @ 49	18 @ 49										
YP	32	28	29										
GELS	14/26/32	12/23/28	14/26/32										
600/300	68.0/50.0	60.0/44.0	65.0/47.0										
200/100	42.0/33.0	36.0/26.0	40.0/31.0										
6/3	14.0/11.0	12.0/10.0	14.0/12.0										
API Filt	5.4	5.6	5.4										
HTHP @ Deg C	12.0 @ 93	12.0 @ 93	12.0 @ 93										
Cake API/HTHP	1/2	1/2	1/2										
Corr Solid	10.8	11.2	11.3										
NAP/Water	-86.0	-85.5	-85.5										
Sand	0.50	0.75	0.50										
MBT	10.0	10.0	10.0										
pH @ Deg C	9.50 @ 25	9.00 @ 25	9.50 @ 25										
ALK Mud	0.10	0.20	0.10										
ALK Filt	0.10/1.40	0.18/1.60	0.10/1.40										
Chlorides	42,000	44,000	42,000										
Tot. Hardness	400	280	400										
LGS/HGS	4.7/6.1	5.2/6.0	5.0/6.3										
LGS/HGS	43.17/89.72	47.51/88.04	45.63/93.37										
ASG	3.500	3.455	3.494										
Additional Properties													
KCL %	8.0	8.8	8.0										
KCL mg/l	88,500	92,920	88,500										
Clayseal	2.0	2.0	2.0										
PHPA Concentration	1.80	1.80	1.80										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling	7.5
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300		255	8.5	Circulating	
barite		1000 kg bulk	109.640		8.550	101.090	\$4,060.22	VSM-300		255	8.5	Trips	16.5
EZ-MUD		25 kg pail	130		21	109	\$1,802.43	VSM-300		255	8.5	Rig	
BARAZAN D PLUS		25 kg bag	122		10	112	\$1,522.40	VSM-300		255		Surveys	
CLAYSEAL PLUS		216 kg drum	30		1	29	\$956.64					Fishing	
lime		25 kg bag	67		1	66	\$6.55					Run Casing	
ALDACIDE G		5 gal can	14			14						Coring	
Amodrill 1235		1500 l drum	2			2						Reaming	
BARACOR 100		55 gal drum	4			4		Hydrocyclone		Cones	Screens	Hrs	Testing
BARA-DEFOAM W300		5 gal can	17			17		D 16		16 4		Logging	
BAROFIBRE FINE		25 lb bag	50			50						Dir Work	
bentonite		1000 kg bulk	51.570			51.570						Repair	
calcium chloride flake 77%		25 kg bag	39			39		Centrifuge		Speed	Feed Rate	Hrs	Total
caustic soda		25 kg pail	33			33		3,000		40.00		24.0	
Circal 60/16		25 kg sack	143			143		Centrifuge		3,000	40.00	Rotating	7.5
Circal Y		25 kg sack	286			286						ROP	13.1
citric acid		25 kg bag	21			21						Dil Rate	0.00
CON DET		5 gal can	32			32		Fluid Volume Breakdown				KCI/Polymer	
CON DET		55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
DEXTRID LTE		25 kg sack	88			88		Annulus	342.4	Base		Fluid Dumped	
EZ SPOT		55 gal drum	8			8		Pipe Cap	20.3	Drill Water		Transferred	
EZ-MUD DP		25 kg bag	14			14		Active Pits	518.0	Dewatering		SCE	-19.3
guar gum		25 kg bag	70			70		Total Hole	775.1	Sea Water		Evaporation	
KCL Tech Grade (bulk)		1000 kg bulk	20.000			20.000		Total Circ	880.7	Whole Mud		Trips	
Kwikseal Fine		40 lb bag	38			38		Reserve	907.0	Barite	12.8	Other	
N-DRIL HT PLUS		50 lb bag	55			55		Prev Vol	2201.1	Chemicals	5.5	Total Surface	
NO-SULF		17 kg pail	48			48		Net Change	-1.0	Other		Downhole	
Omyacarb 5		25 kg bulk	33.000			33.000		Total Vol	2200.1	Total	18.3	Total Losses	-19.3
Daily Products Cost		\$8,348.24	Total Daily Cost		\$10,848.24	Fluid Types		Vol bbl		Deviation Information			
Cumulative Products Cost		\$161,740.50	Total Cumulative Cost		\$199,240.50	Potassium Chloride brine		330.0		Survey MD		2,188.8 m	
Baroid Representatives		Brian Auckram		Tim Waldhuter						Survey TVD		2,187.9 m	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555				Angle		1.63 Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445				Direction		348	
										Horiz Displ.		0.9 m	

Daily Drilling Fluid Report

Date		06/10/2008		Depth		2,470.0 m									
Spud Date		05/27/2008		Rig Activity		Drilling									
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1									
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy							
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29									
Bit Information			Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	8.500 in		OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	HTC/BHC-409 Z		Drill Pipe	5.000	3.000	2,229.7	30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets			Drill Pipe	5.500	3.250	47.0	13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	1.080 sq-in		Other	6.500	0.000	11.7				Eff(%)	97	97	97		
Jets Velocity	22.7 m/sec		Drill Pipe	5.500	3.250	56.4				bbl/stk	0.139	0.139	0.139		
Jet Impact Force	106.8 lbf		Drill Collar	6.600	2.750	56.1				SPM	43	0	0		
Bit HHSI	0.14 hhp/in2		Other	8.500	0.000	69.1				gpm/bbl/min	252	5.99			
Press Drop @ Bit	55 psi		Open Hole	8.800		1,723.5				Total GPM	252	AV, Riser	Circ Press psi	900	
Bit Depth	2,470.0 m									Total Circ Time	206	AV min DP	2.5	Tot Pres Loss	2023
ECD @ Csg Shoe	11.13 ppg									BU Time, min	103	AV max DC	55.5	Press Drop DP	834
ECD @ Bit	13.67 ppg									Total Strokes	8,846	BU Strokes	4,441	Press Drop An	1126
Properties		1	2	Hyd 3	4	Targets	Program	Fluid Treatments							
Source		Pit #6	Pit #6	Pit #6				Fluid Type			KCI/Polymer				
Time		3:30	10:30	20:30				Dump and clean sand trap. Mud lost over shakers when emptying trip tank and filling string due to shakers not running, approx. 69bbl.							
Depth	m	2,450	2,454	2,467				Treated active system with Aldacide-G to prevent bacterial degradation. Added Barazan-D, Dextrid LTE and Pac-L to active to maintain properties and Barite to maintain mud weight after a 50 bbl KCI pill was pumped for suspected bit balling.							
FL Temp	Deq C	41	42	41				Adding premix at 9.5ppg as required to maintain volume and mud properties. Added Caustic Soda to active to maintain pH. Prepare HW slug for POOH.							
Density @ Deq C	ppg	11.10 @ 40	11.00 @ 30	11.00 @ 36		X	9.50	11.00							
FV @ Deq C	sec/qt	53 @ 40	51 @ 30	50 @ 36											
PV @ Deq C	cP	18 @ 49	15 @ 49	16 @ 49											
YP	lbs/100 ft2	32	35	28		X X	20	30							
GELS	lbs/100 ft2	14/26/32	13/25/30	12/21/26											
600/300		68.0/50.0	65.0/50.0	60.0/44.0											
200/100		42.0/37.0	40.0/31.0	36.0/25.0											
6/3		14.0/12.0	14.0/12.0	13.0/11.0											
API Filt	ml/30 min	5.4	5.8	6.0				6.0							
HTHP @ Deq C	ml/30 min	12.0 @ 93	12.0 @ 93	12.0 @ 93				12.0							
Cake API/HTHP	32nd in	1/2	1/2	1/2											
Corr Solid	% by Vol	11.3	10.8	10.8											
NAP/Water	% by Vol	-/85.5	-/86.0	-/86.0											
Sand	% by vol	0.50	1.00	0.50											
MBT	ppb Eq.	10.0	10.0	7.0				15.0							
pH @ Deq C		9.50 @ 25	9.50 @ 25	8.50 @ 25				8.50	9.50	Continue to RIH with coring assembly. Cut core from 2450m to 2470m. Break off core and circulate hole clean.					
ALK Mud	Pm	0.10	0.10	0.10											
ALK Filt	Pf/Mf	0.10/1.40	0.10/1.40	0.10/1.50											
Chlorides	mg/l	42,000	42,000	42,000											
Tot. Hardness	mg/l	400	400	400				400							
LGS/HGS	% by Vol	5.0/6.3	4.7/6.1	4.7/6.1											
LGS/HGS	ppb	45.63/93.37	43.17/89.72	43.17/89.72		X * *		35.00/-							
ASG	SG	3.494	3.500	3.500											
Additional Properties															
KCL %	% by vol	8.0	8.0	8.0											
KCL mg/l	mg/l	88,500	88,500	88,500											
Clayseal	% by vol	2.0	2.0	2.0											
PHPA Concentration	ppb	1.80	1.80	1.80											
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time			
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling			
Drilling Fluids Engineer		day(s)			1		\$1,250.00					Circulating			
barite		1000 kg bulk	101.090		6.990	94.100	\$3,319.41	VSM-300	255		18.0	Trips	6.0		
PAC-L		25 kg bag	67		7	60	\$573.09	VSM-300	255		15.0	Rig			
DEXTRID LTE		25 kg sack	88		7	81	\$283.92	VSM-300	255			Surveys			
BARAZAN D PLUS		25 kg bag	112		1	111	\$152.24	VSM-300	255			Fishing			
caustic soda		25 kg pail	33		2	31	\$88.38					Run Casing			
ALDACIDE G		5 gal can	14		1	13	\$69.90					Coring	18.0		
Amodrill 1235		1500 l drum	2			2						Reaming			
BARACOR 100		55 gal drum	4			4		Hydrocyclone	Cones	Screens	Hrs	Testing			
BARA-DEFOAM W300		5 gal can	17			17		D 16	16 4			Logging			
BAROFIBRE FINE		25 lb bag	50			50						Dir Work			
bentonite		1000 kg bulk	51.570			51.570						Repair			
calcium chloride flake 77%		25 kg bag	39			39		Centrifuge	Speed	Feed Rate	Hrs	Total	24.0		
Circal 60/16		25 kg sack	143			143		Centrifuge	3,000	40.00		Rotating	18.0		
Circal Y		25 kg sack	286			286		Centrifuge	3,000	40.00		ROP	1.1		
citric acid		25 kg bag	21			21						Dil Rate	0.00		
CLAYSEAL PLUS		216 kg drum	29			29		Fluid Volume Breakdown				KCI/Polymer			
CON DET		5 gal can	32			32		Active	bbl	Additions	bbl	Losses	bbl		
CON DET		55 gal drum	8			8		Annulus	618.8	Base		Fluid Dumped			
EZ SPOT		55 gal drum	8			8		Pipe Cap	68.8	Drill Water		Transferred			
EZ-MUD		25 kg pail	109			109		Active Pits	545.0	Dewatering		SCE	-292.7		
EZ-MUD DP		25 kg bag	14			14		Total Hole	687.7	Sea Water		Evaporation			
guar gum		25 kg bag	70			70		Total Circ	1232.7	Whole Mud	39.0	Trips			
KCL Tech Grade (bulk)		1000 kg bulk	20,000			20,000		Reserve	726.0	Barite	10.5	Other			
Kwikseal Fine		40 lb bag	38			38		Prev Vol	2200.1	Chemicals	1.8	Total Surface			
lime		25 kg bag	66			66		Net Change	-241.4	Other		Downhole			
N-DRIL HT PLUS		50 lb bag	55			55		Total Vol	1958.7	Total	51.3	Total Losses	-292.7		
NO-SULF		17 kg pail	48			48		Fluid Types				Deviation Information			
Daily Products Cost		\$4,486.94	Total Daily Cost				\$6,986.94	Potassium Chloride brine		291.0	Survey MD		2,433.5 m		
Cumulative Products Cost		\$166,227.44	Total Cumulative Cost				\$206,227.44				Survey TVD		2,433.2 m		
Baroid Representatives		Brian Auckram		Tim Waldhuter							Angle		1.58 Deg		
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555					Direction		330		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445					Horiz Displ.		0.3 m		

Daily Drilling Fluid Report

Date		06/11/2008		Depth		2,470.0 m								
Spud Date		05/27/2008		Rig Activity		Tripping								
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1								
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy						
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29								
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data						
Bit Size	8.500 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220			
Make/Type	HYCLOG/RXSX 616M	Drill Pipe	5.500	3.250	1,739.0	30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets	3x14 3x15	Drill Pipe	5.500	3.250	115.1	13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	0.969 sq-in	Drill Collar	6.563	2.813	70.8				Eff(%)	97	97	97		
Jets Velocity	m/sec								bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf								SPM	0	0	0		
Bit HHSI	hhp/in2								gpm bbl/min					
Press Drop @ Bit	psi	Open Hole	8.500		1,723.5				Total GPM		AV, Riser	Circ Press psi		
Bit Depth	1,925.0 m								Total Circ Time		AV min DP	Tot Pres Loss		
ECD @ Csg Shoe	11.00 ppg								BU Time, min		AV max DC	Press Drop DP		
ECD @ Bit	11.00 ppg								Total Strokes		BU Strokes	Press Drop An		
Properties		1	2	Hyd 3	4	Targets	Program	Fluid Treatments						
Source		Pit #6	Pit #6	Pit #6				Fluid Type						
Time		3:00	12:00	20:00				KCI/Polymer						
Depth	m	2,470	2,470	2,470				Treated mud pits with Aldacide-G to minimize bacterial activity.						
FL Temp	Deq C													
Density @ Deq C	ppg	11.00 @ 32	11.00 @ 25	11.00 @ 25			9.50	11.00						
FV @ Deq C	sec/qt	51 @ 32	60 @ 25	60 @ 25										
PV @ Deq C	cP	16 @ 49	16 @ 49	16 @ 49										
YP	lbs/100 ft2	28	29	29				20	30					
GELS	lbs/100 ft2	12/21/26	13/22/28	13/22/28										
600/300		60.0/44.0	61.0/45.0	61.0/45.0										
200/100		36.0/25.0	36.0/25.0	36.0/25.0										
6/3		13.0/11.0	13.0/11.0	13.0/11.0										
API Filt	ml/30 min	6.0	6.0	6.0					6.0					
HTHP @ Deq C	ml/30 min	12.0 @ 93	12.0 @ 93	12.0 @ 93					12.0					
Cake API/HTHP	32nd in	1/2	1/2	1/2										
Corr Solid	% by Vol	10.8	10.8	10.8										
NAP/Water	% by Vol	-86.0	-86.0	-86.0										
Sand	% by vol	0.50	0.50	0.50										
MBT	ppb Eq.	7.5	7.5	7.5					15.0					
pH @ Deq C		9.00 @ 25	9.50 @ 25	9.50 @ 25					8.50	9.50				
ALK Mud	Pm	0.10	0.10	0.10										
ALK Filt	Pf/Mf	0.10/1.50	0.10/1.40	0.10/1.40										
Chlorides	mg/l	42,000	42,000	42,000										
Tot. Hardness	mg/l	400	360	360						400				
LGS/HGS	% by Vol	4.7/6.1	4.7/6.1	4.7/6.1										
LGS/HGS	ppb	43.17/89.72	43.17/89.72	43.17/89.72			X * *			35.00/-				
ASG	SG	3.500	3.500	3.500										
Additional Properties														
KCL %	% by vol	8.0	8.0	8.0										
KCL mg/l	mg/l	88,500	88,500	88,500										
Clayseal	% by vol	2.0	2.0	2.0										
PHPA Concentration	ppb	1.80	1.80	1.80										
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)				1		\$1,250.00	Shaker		Screens	Hrs	Drilling		
Drilling Fluids Engineer	day(s)				1		\$1,250.00	VSM-300		255	2.0	Circulating		
ALDACIDE G	5 gal can	13			3	10	\$209.70	VSM-300		255		Trips		
Amodrill 1235	1500 l drum	2				2		VSM-300		255		Rig		
BARACOR 100	55 gal drum	4				4		VSM-300		255		Surveys		
BARA-DEFOAM W300	5 gal can	17				17						Fishing		
BARAZAN D PLUS	25 kg bag	111				111						Run Casing		
barite	1000 kg bulk	94.100				94.100						Coring		
BAROFIBRE FINE	25 lb bag	50				50						Reaming		
bentonite	1000 kg bulk	51.570				51.570		Hydrocyclone		Cones	Screens	Hrs	Testing	
calcium chloride flake 77%	25 kg bag	39				39		D 16		16 4			Logging	
caustic soda	25 kg pail	31				31							Dir Work	
Circal 60/16	25 kg sack	143				143							Repair	
Circal Y	25 kg sack	286				286							Other	
citric acid	25 kg bag	21				21		Centrifuge		Speed	Feed Rate	Hrs	Total	
CLAYSEAL PLUS	216 kg drum	29				29		Centrifuge		3,000	40.00		Rotating	
CON DET	5 gal can	32				32		Centrifuge		3,000	40.00		ROP	
CON DET	55 gal drum	8				8							Dil Rate	
DEXTRID LTE	25 kg sack	81				81		Fluid Volume Breakdown						
EZ SPOT	55 gal drum	8				8		Active		bbl	Additions	bbl	Losses	bbl
EZ-MUD	25 kg pail	109				109		Annulus		491.3	Base		Fluid Dumped	
EZ-MUD DP	25 kg bag	14				14		Pipe Cap		64.3	Drill Water		Transferred	
guar gum	25 kg bag	70				70		Active Pits		560.0	Dewatering		SCE	
KCL Tech Grade (bulk)	1000 kg bulk	20.000				20.000		Total Hole		681.1	Sea Water		Evaporation	
Kwikseal Fine	40 lb bag	38				38		Total Circ		1115.6	Whole Mud		Trips	
lime	25 kg bag	66				66		Reserve		717.0	Barite		Other	
N-DRIL HT PLUS	50 lb bag	55				55		Prev Vol		1958.7	Chemicals	0.4	Total Surface	
NO-SULF	17 kg pail	48				48		Net Change		0.1	Other		Downhole	
Omyacarb 5	25 kg bulk	33.000				33.000		Total Vol		1958.1	Total	0.4	Total Losses	
								Fluid Types		Vol bbl	Deviation Information			
Daily Products Cost	\$209.70	Total Daily Cost			\$2,709.70			Potassium Chloride brine		291.0	Survey MD	2,433.5 m		
Cumulative Products Cost	\$166,437.14	Total Cumulative Cost			\$208,937.14						Survey TVD	2,433.2 m		
Baroid Representatives	Brian Auckram		Tim Waldhuter								Angle	1.58 Deg		
Office	90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						Direction	330		
Warehouse	c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						Horiz Displ.	0.3 m		

Daily Drilling Fluid Report

Date		06/13/2008		Depth		2,590.0 m						
Spud Date		05/27/2008		Rig Activity		Wire Line logs						
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1						
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m		Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500	
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000	
TFA	sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi	Open Hole	8.500	1,843.5				Total GPM		AV, Riser	Circ Press psi	
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss	
ECD @ Csg Shoe	ppg							BU Time, min		AV max DC	Press Drop DP	
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An	
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source		Pit #6						Fluid Type		KCI/Polymer		
Time		18:00						Rig Activity				
Depth	m	2,590						POOH to surface. Lay down 8 1/2" BHA. Service top drive. Rig up Schlumberger equipment. RIH with T/string #1 to 2500m and log as per programme. Pick up toolstring #2 RIH surface test tool #2. POOH. RIH MDT survey tool.				
FL Temp	Deq C											
Density @ Deq C	ppg	11.00										
FV @ Deq C	sec/qt	60 @ 25										
PV @ Deq C	cP	16 @ 49										
YP	lbs/100 ft2	29										
GELS	lbs/100 ft2	13/22/28										
600/300		61.0/45.0										
200/100		36.0/25.0										
6/3		13.0/11.0										
API Filt	ml/30 min	6.0										
HTHP @ Deq C	ml/30 min	12.0 @ 93										
Cake API/HTHP	32nd in	1/2										
Corr Solid	% by Vol	10.8										
NAP/Water	% by Vol	-/86.0										
Sand	% by vol	0.50										
MBT	ppb Eq.	10.0										
pH @ Deq C		9.50 @ 25										
ALK Mud	Pm	0.10										
ALK Filt	Pf/Mf	0.10/1.40										
Chlorides	mg/l	42,000										
Tot. Hardness	mg/l	360										
LGS/HGS	% by Vol	4.7/6.1										
LGS/HGS	ppb	43.17/89.72										
ASG	SG	3.500										
Additional Properties												
KCL %	% by vol	8.0										
KCL mg/l	mg/l	88,500										
Clayseal	% by vol	2.0										
PHPA Concentration	ppb	0.00										
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating
ALDACIDE G	5 gal can	10			10		VSM-300					Trips
Amodrill 1235	1500 l drum	2			2		VSM-300					Rig
BARACOR 100	55 gal drum	4			4		VSM-300					Surveys
BARA-DEFOAM W300	5 gal can	17			17							Fishing
BARAZAN D PLUS	25 kg bag	109			109							Run Casing
barite	1000 kg bulk	88.980			88.980							Coring
BAROFIBRE FINE	25 lb bag	50			50							Reaming
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone		Screens		Hrs	Testing
calcium chloride flake 77%	25 kg bag	39			39		D 16		16 4			Logging
caustic soda	25 kg pail	31			31							Dir Work
Circal 60/16	25 kg sack	143			143							Repair
Circal Y	25 kg sack	286			286							Other
citric acid	25 kg bag	21			21		Centrifuge		Speed		Feed Rate	Hrs
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge		3,000		40.00	Total
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00	Rotating
CON DET	55 gal drum	8			8							ROP
DEXTRID LTE	25 kg sack	75			75							Dil Rate
EZ SPOT	55 gal drum	8			8							0.00
EZ-MUD	25 kg pail	109			109							
EZ-MUD DP	25 kg bag	14			14							
guar gum	25 kg bag	70			70							
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000							
Kwikseal Fine	40 lb bag	38			38							
lime	25 kg bag	66			66							
N-DRIL HT PLUS	50 lb bag	55			55							
NO-SULF	17 kg pail	48			48							
Omyacarb 5	25 kg bulk	33,000			33,000							
Fluid Types		Vol bbl		Deviation Information								
Potassium Chloride brine		291.0		Survey MD		2,433.5 m						
				Survey TVD		2,433.2 m						
				Angle		1.58 Deg						
				Direction		330						
				Horiz Displ.		0.3 m						
Daily Products Cost		\$0.00		Total Daily Cost		\$2,500.00						
Cumulative Products Cost		\$169,907.59		Total Cumulative Cost		\$217,407.59						
Baroid Representatives		Brian Auckram		James Munford								
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						

Daily Drilling Fluid Report

Date		06/14/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Wire Line logs							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/Country Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time, min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #6						Fluid Type		KCl/Polymer			
Time		18:00						Rig Activity					
Depth	m	2,590						Cont. Schlumberger operations with MDT toolstring. POOH & lay down MDT. Puck up & make up VSP survey tools. RIH with VSP survey tools. POOH. RIH with CST.					
FL Temp	Deg C	25											
Density @ Deg C	ppg	11.00											
FV @ Deg C	sec/qt	60 @ 25											
PV @ Deg C	cP	16 @ 49											
YP	lbs/100 ft2	29											
GELS	lbs/100 ft2	13/22/28											
600/300		61.0/45.0											
200/100		36.0/25.0											
6/3		13.0/11.0											
API Filt	ml/30 min	6.0											
HTHP @ Deg C	ml/30 min	12.0 @ 93											
Cake API/HTHP	32nd in	1/2											
Corr Solid	% by Vol	10.8											
NAP/Water	% by Vol	-86.0											
Sand	% by vol	0.50											
MBT	ppb Eq.	10.0											
pH @ Deg C		9.50 @ 25											
ALK Mud	Pm	0.10											
ALK Filt	Pf/Mf	0.10/1.40											
Chlorides	mg/l	42,000											
Tot. Hardness	mg/l	360											
LGS/HGS	% by Vol	4.7/6.1											
LGS/HGS	ppb	43.17/89.72											
ASG	SG	3.500											
Additional Properties													
KCL %	% by vol	8.0											
KCL mg/l	mg/l	88,500											
Clayseal	% by vol	2.0											
PHPA Concentration	ppb	1.80											
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling	
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating	
ALDACIDE G	5 gal can	10			10		VSM-300					Trips	
Amodrill 1235	1500 l drum	2			2		VSM-300					Rig	
BARACOR 100	55 gal drum	4			4		VSM-300					Surveys	
BARA-DEFOAM W300	5 gal can	17			17							Fishing	
BARAZAN D PLUS	25 kg bag	109			109							Run Casing	
barite	1000 kg bulk	88.980			88.980							Coring	
BAROFIBRE FINE	25 lb bag	50			50							Reaming	
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone		Cones		Screens	Hrs	Testing
calcium chloride flake 77%	25 kg bag	39			39		D 16		16 4				Logging
caustic soda	25 kg pail	31			31								Dir Work
Circal 60/16	25 kg sack	143			143								Repair
Circal Y	25 kg sack	286			286								Other
citric acid	25 kg bag	21			21		Centrifuge		Speed		Feed Rate	Hrs	Total
CLAYSEAL PLUS	216 kg drum	29			29								24.0
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00		Rotating
CON DET	55 gal drum	8			8		Centrifuge		3,000		40.00		ROP
DEXTRID LTE	25 kg sack	75			75								Dil Rate
EZ SPOT	55 gal drum	8			8								0.00
EZ-MUD	25 kg pail	109			109								
EZ-MUD DP	25 kg bag	14			14		Annulus		Base		Fluid Dumped		
guar gum	25 kg bag	70			70		Pipe Cap		Drill Water		Transferred		
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000		Active Pits		382.7		Dewatering		
Kwikseal Fine	40 lb bag	38			38		Total Hole		834.7		Sea Water		
lime	25 kg bag	66			66		Total Circ		382.7		Whole Mud		
N-DRIL HT PLUS	50 lb bag	55			55		Reserve		579.0		Barite		
NO-SULF	17 kg pail	48			48		Prev Vol		1796.4		Chemicals		
Omyacarb 5	25 kg bulk	33,000			33,000		Net Change				Other		
							Total Vol		1796.4		Total		
Fluid Types		Vol bbl		Deviation Information									
Daily Products Cost		\$0.00		Total Daily Cost		\$2,500.00		Potassium Chloride brine		291.0		Survey MD	
Cumulative Products Cost		\$169,907.59		Total Cumulative Cost		\$219,907.59						Survey TVD	
Baroid Representatives		Brian Auckram		James Munford								Angle	
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						1.58 Deg	
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						Direction	
												330	
												Horiz Displ.	
												0.3 m	

Daily Drilling Fluid Report

Date		06/15/2008		Depth		2,590.0 m						
Spud Date		05/27/2008		Rig Activity		Plugging Back						
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1						
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy				
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29						
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data				
Bit Size	2.875 in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220	
Make/Type	N/A/Cement stringer	Drill Pipe	5.500	3.250	2,038.0	30.000	@ 128.0	Bore in	6.500	6.500	6.500	
Jets	1x32					13.375	@ 746.5	Strokes in	14.000	14.000	14.000	
TFA	0.785 sq-in							Eff(%)	97	97	97	
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139	
Jet Impact Force	lbf							SPM	0	0	0	
Bit HHSI	hhp/in2							gpm bbl/min				
Press Drop @ Bit	psi							Total GPM				
Bit Depth	2,038.0 m	Open Hole	8.500		1,843.5			Total Circ Time				
ECD @ Csg Shoe	ppg							BU Time, min				
ECD @ Bit	ppg							Total Strokes				
Properties		1	2	3	4	Targets	Program	Fluid Treatments				
Source	Flow Line							Fluid Type				
Time	18:00							KCI/Polymer				
Depth	m	2,590						Prepared Hi-vis pill for cement programme.				
FL Temp	Deq C											
Density @ Deq C	ppg	11.00										
FV @ Deq C	sec/qt	60 @ 25										
PV @ Deq C	cP	16 @ 49										
YP	lbs/100 ft2	29										
GELS	lbs/100 ft2	13/22/28										
600/300		61.0/45.0										
200/100		36.0/25.0										
6/3		13.0/11.0										
API Filt	ml/30 min	6.0										
HTHP @ Deq C	ml/30 min	12.0 @ 93										
Cake API/HTHP	32nd in	1/2										
Corr Solid	% by Vol	10.8										
NAP/Water	% by Vol	-86.0										
Sand	% by vol	0.50										
MBT	ppb Eq.	10.0						Rig Activity				
pH @ Deq C		9.50 @ 25						Cont. RIH with CST toolstring. Commence CST as per programme. POOH. Rig down Schlumber equipment. Rig up for 2 7/8" cement stringer. Pick up and make up cement stringer. RIH to 2308m. Circ. bottoms up. Set 1st plug @ 2308m. POOH 4stds to 2189m. Circ. bottoms up. Set 2nd cement plug @ 2189m. POOH 5 stds to 2032m. Circ. bottoms up. RIH to tag cement @ 2091m. POOH to 2038m.				
ALK Mud	Pm	0.10										
ALK Filt	Pf/Mf	0.10/1.40										
Chlorides	mg/l	42,000										
Tot. Hardness	mg/l	360										
LGS/HGS	% by Vol	4.7/6.1										
LGS/HGS	ppb	43.17/89.72										
ASG	SG	3.500										
Additional Properties												
KCL %	% by vol	8.0										
KCL mg/l	mg/l	88,500										
Clayseal	% by vol	2.0										
PHPA Concentration	ppb	1.80										
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					Circulating
BARAZAN D PLUS	25 kg bag	109		2	107	\$304.48	VSM-300					Trips
ALDACIDE G	5 gal can	10		1	9	\$69.90	VSM-300					Rig
Amodrill 1235	1500 l drum	2			2		VSM-300					Surveys
BARACOR 100	55 gal drum	4			4							Fishing
BARA-DEFOAM W300	5 gal can	17			17							Run Casing
barite	1000 kg bulk	88.980			88.980							Coring
BAROFIBRE FINE	25 lb bag	50			50							Reaming
bentonite	1000 kg bulk	51.570			51.570		Hydrocyclone		Cones		Screens	Hrs
calcium chloride flake 77%	25 kg bag	39			39		D 16		16 4			Testing
caustic soda	25 kg pail	31			31							Logging
Circa 60/16	25 kg sack	143			143							Dir Work
Circa Y	25 kg sack	286			286							Repair
citric acid	25 kg bag	21			21							Other
CLAYSEAL PLUS	216 kg drum	29			29		Centrifuge		Speed		Feed Rate	Hrs
CON DET	5 gal can	32			32		Centrifuge		3,000		40.00	Total
CON DET	55 gal drum	8			8		Centrifuge		3,000		40.00	Rotating
DEXTRID LTE	25 kg sack	75			75							ROP
EZ SPOT	55 gal drum	8			8							Dil Rate
EZ-MUD	25 kg pail	109			109		Fluid Volume Breakdown				KCI/Polymer	
EZ-MUD DP	25 kg bag	14			14		Active	bbl	Additions	bbl	Losses	bbl
guar gum	25 kg bag	70			70		Annulus	508.7	Base		Fluid Dumped	
KCL Tech Grade (bulk)	1000 kg bulk	2,000			2,000		Pipe Cap	68.6	Drill Water		Transferred	
Kwikseal Fine	40 lb bag	38			38		Active Pits	383.0	Dewatering		SCE	-159.8
lime	25 kg bag	66			66		Total Hole	704.4	Sea Water		Evaporation	
N-DRIL HT PLUS	50 lb bag	55			55		Total Circ	960.3	Whole Mud		Trips	
NO-SULF	17 kg pail	48			48		Reserve	593.0	Barite		Other	-50.0
Omyacarb 5	25 kg bulk	33,000			33,000		Prev Vol	1796.4	Chemicals	0.3	Total Surface	
							Net Change	-209.5	Other		Downhole	
							Total Vol	1680.4	Total	0.3	Total Losses	-209.8
Fluid Types		Vol bbl		Deviation Information								
Daily Products Cost	\$374.38	Total Daily Cost			\$2,874.38		Survey MD	2,433.5 m				
Cumulative Products Cost	\$170,281.97	Total Cumulative Cost			\$222,781.97		Survey TVD	2,433.2 m				
Baroid Representatives		Brian Auckram		James Munford		Angle		1.58 Deg				
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555		Direction		330		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445		Horiz Displ.		0.3 m		

Daily Drilling Fluid Report

Date		06/16/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Rig up and rig down							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi	Open Hole	8.500	1,843.5				Total GPM		AV, Riser	Circ Press psi		
Bit Depth	m							Total Circ Time		AV min DP	Tot Pres Loss		
ECD @ Csg Shoe	ppg							BU Time, min		AV max DC	Press Drop DP		
ECD @ Bit	ppg							Total Strokes		BU Strokes	Press Drop An		
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source		Pit #6						Fluid Type Seawater					
Time		18:00						Returned 840 bbl Old KCL/Polymer mud to Pacific Battler.					
Depth	m	2,590											
FL Temp	Deq C												
Density @ Deq C	ppg	11.00											
FV @ Deq C	sec/qt	60 @ 25											
PV @ Deq C	cP	16 @ 49											
YP	lbs/100 ft2	29											
GELS	lbs/100 ft2	13/22/28											
600/300		61.0/45.0											
200/100		35.0/25.0											
6/3		13.0/11.0											
API Filt	ml/30 min	6.0											
HTHP @ Deq C	ml/30 min	12.0 @ 93											
Cake API/HTHP	32nd in	1/2											
Corr Solid	% by Vol	10.8											
NAP/Water	% by Vol	-86.0											
Sand	% by vol	0.50											
MBT	ppb Eq.	10.0											
pH @ Deq C		9.50 @ 25											
ALK Mud	Pm	0.10											
ALK Filt	Pf/Mf	0.10/1.50											
Chlorides	mg/l	42,000											
Tot. Hardness	mg/l	400											
LGS/HGS	% by Vol	4.7/6.1											
LGS/HGS	ppb	43.17/89.72											
ASG	SG	3.500											
Additional Properties													
KCL %	% by vol	8.0											
KCL mg/l	mg/l	88,500											
Clayseal	% by vol	2.0											
PHPA Concentration	ppb	1.80											
Product Name		Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time	
Drilling Fluids Engineer 2		day(s)			1		\$1,250.00	Shaker		Screens		Hrs	Drilling
Drilling Fluids Engineer		day(s)			1		\$1,250.00	VSM-300					Circulating
ALDACIDE G		5 gal can	9			9		VSM-300					Trips
Amodrill 1235		1500 l drum	2			2		VSM-300					Rig
BARACOR 100		55 gal drum	4			4		VSM-300					Surveys
BARA-DEFOAM W300		5 gal can	17			17							Fishing
BARAZAN D PLUS		25 kg bag	107			107							Run Casing
barite		1000 kg bulk	88.980			88.980							Coring
BAROFIBRE FINE		25 lb bag	50			50							Reaming
bentonite		1000 kg bulk	51.570			51.570							Testing
calcium chloride flake 77%		25 kg bag	39			39		Hydrocyclone	Cones	Screens	Hrs	Logging	
caustic soda		25 kg pail	31			31		D 16	16 4			Dir Work	
Circal 60/16		25 kg sack	143			143						Repair	
Circal Y		25 kg sack	286			286						Other	
citric acid		25 kg bag	21			21						Total	
CLAYSEAL PLUS		216 kg drum	29			29		Centrifuge	Speed	Feed Rate	Hrs	Rotating	
CON DET		5 gal can	32			32		Centrifuge	3,000	40.00		ROP	
CON DET		55 gal drum	8			8		Centrifuge	3,000	40.00		Dil Rate	
DEXTRID LTE		25 kg sack	75			75		Fluid Volume Breakdown				Seawater	
EZ SPOT		55 gal drum	8			8		Active	bbl	Additions	bbl	Losses	bbl
EZ-MUD		25 kg pail	109			109		Annulus		Base		Fluid Dumped	
EZ-MUD DP		25 kg bag	14			14		Pipe Cap		Drill Water	834.7	Transferred	
guar gum		25 kg bag	70			70		Active Pits		Dewatering		SCE	
KCL Tech Grade (bulk)		1000 kg bulk	2,000			2,000		Total Hole	834.7	Sea Water		Evaporation	
Kwikseal Fine		40 lb bag	38			38		Total Circ		Whole Mud		Trips	
lime		25 kg bag	66			66		Reserve		Barite		Other	
N-DRIL HT PLUS		50 lb bag	55			55		Prev Vol		Chemicals		Total Surface	
NO-SULF		17 kg pail	48			48		Net Change	834.7	Other		Downhole	
Omyacarb 5		25 kg bulk	33,000			33,000		Total Vol	834.7	Total	834.7	Total Losses	
Daily Products Cost		\$0.00	Total Daily Cost		\$2,500.00	Cumulative Products Cost		\$170,281.97	Total Cumulative Cost		\$225,281.97		
Baroid Representatives			Brian Auckram		James Munford								
Office			90 Talinga Rd Melbourne		Telephone		61-03-9581-7555						
Warehouse			c/o of Esso Australia Ltd		Telephone		61-3-56-881-445						
Fluid Types		Vol bbl	Deviation Information										
			Survey MD	2,433.5 m									
			Survey TVD	2,433.2 m									
			Angle	1.58 Deg									
			Direction	330									
			Horiz Displ.	0.3 m									

Daily Drilling Fluid Report

Date		06/17/2008		Depth		2,590.0 m							
Spud Date		05/27/2008		Rig Activity		Cut casing weld bowl							
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1							
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy					
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29							
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data					
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220		
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500		
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000		
TFA	sq-in							Eff(%)	97	97	97		
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139		
Jet Impact Force	lbf							SPM	0	0	0		
Bit HHSI	hhp/in2							gpm bbl/min					
Press Drop @ Bit	psi							Total GPM					
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time					
ECD @ Csg Shoe	ppg							BU Time, min					
ECD @ Bit	ppg							Total Strokes					
Properties		1	2	3	4	Targets	Program	Fluid Treatments					
Source								Fluid Type					
Time								Seawater					
Depth								Rig Activity POOH Riser. RIH with casing cutter assembly on 5 1/2" DP. Set casing cutter down at 98.4m. Cut casing.					
FL Temp													
Density @ Deg C													
FV @ Deg C													
PV @ Deg C													
YP													
GELS													
600/300													
2000/100													
6/3													
API Filt													
HTHP @ Deg C													
Cake API/HTHP													
Corr Solid													
NAP/Water													
Sand													
MBT													
pH @ Deg C													
ALK Mud													
ALK Filt													
Chlorides													
Tot. Hardness													
LGS/HGS													
LGS/HGS													
ASG													
Additional Properties													
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time		
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling Circulating Trips Rig Surveys Fishing Run Casing Coring Reaming		
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300					2.5	
ALDACIDE G	5 gal can	9			9		VSM-300				21.5		
Amodrill 1235	1500 l drum	2			2		VSM-300					24.0	
BARACOR 100	55 gal drum	4			4		VSM-300				0.00		
BARA-DEFOAM W300	5 gal can	17			17							0.00	
BARAZAN D PLUS	25 kg bag	107			107						0.00		
barite	1000 kg bulk	88.980			88.980							0.00	
BAROFIBRE FINE	25 lb bag	50			50						0.00		
bentonite	1000 kg bulk	51.570			51.570							0.00	
calcium chloride flake 77%	25 kg bag	39			39						0.00		
caustic soda	25 kg pail	31			31							0.00	
Circal 60/16	25 kg sack	143			143						0.00		
Circal Y	25 kg sack	286			286							0.00	
citric acid	25 kg bag	21			21						0.00		
CLAYSEAL PLUS	216 kg drum	29			29							0.00	
CON DET	5 gal can	32			32						0.00		
CON DET	55 gal drum	8			8							0.00	
DEXTRID LTE	25 kg sack	75			75						0.00		
EZ SPOT	55 gal drum	8			8							0.00	
EZ-MUD	25 kg pail	109			109						0.00		
EZ-MUD DP	25 kg bag	14			14							0.00	
guar gum	25 kg bag	70			70						0.00		
KCL Tech Grade (bulk)	1000 kg bulk	2.000			2.000							0.00	
Kwikseal Fine	40 lb bag	38			38						0.00		
lime	25 kg bag	66			66							0.00	
N-DRIL HT PLUS	50 lb bag	55			55						0.00		
NO-SULF	17 kg pail	48			48							0.00	
Omyacarb 5	25 kg bulk	33.000			33.000						0.00		
Daily Products Cost		\$0.00	Total Daily Cost			\$2,500.00	Fluid Volume Breakdown					Seawater	
Cumulative Products Cost		\$170,281.97	Total Cumulative Cost			\$227,781.97	Active		bbl	Additions	bbl	Losses	bbl
Baroid Representatives		Brian Auckram		James Munford		Annulus			Base		Fluid Dumped		
Office		90 Talinga Rd Melbourne		Telephone		61-03-9581-7555		Pipe Cap	Drill Water		Transferred		
Warehouse		c/o of Esso Australia Ltd		Telephone		61-3-56-881-445		Active Pits	Dewatering		SCE		
						Total Hole		834.7	Sea Water		Evaporation		
						Total Circ			Whole Mud		Trips		
						Reserve			Barite		Other		
						Prev Vol		834.7	Chemicals		Total Surface		
						Net Change			Other		Downhole		
						Total Vol		834.7	Total		Total Losses		
Fluid Types		Vol bbl		Deviation Information		Survey MD		2,433.5 m		Survey TVD		2,433.2 m	
						Angle		1.58 Deg		Direction		330	
						Horiz Displ.		0.3 m					

Daily Drilling Fluid Report

Date		06/18/2008		Depth		2,590.0 m					
Spud Date		05/27/2008		Rig Activity		Rig up and rig down					
Operator NEXUS ENERGY			Report For Bill Openshaw/Rocco Moussow			Well Name Garfish -1					
Contractor Seadrill			Report For Carlos Carvajal			Rig Name West Triton		Unit System Nexus Energy			
Country Australia		State/Province/Region Victoria		Geographic Area/County Bass Strait		Field or Block VIC P29					
Bit Information		Drill String (in) / (m)			in Casing m			Circulation/Hydraulics Data			
Bit Size	in	OD	ID	Length	OD	Set	MD	Model	Nat-14-P-220	Nat-14-P-220	Nat-14-P-220
Make/Type					30.000	@	128.0	Bore in	6.500	6.500	6.500
Jets					13.375	@	746.5	Strokes in	14.000	14.000	14.000
TFA	sq-in							Eff(%)	97	97	97
Jets Velocity	m/sec							bbl/stk	0.139	0.139	0.139
Jet Impact Force	lbf							SPM	0	0	0
Bit HHSI	hhp/in2							gpm bbl/min			
Press Drop @ Bit	psi							Total GPM			
Bit Depth	2,590.0 m	Open Hole	8.500	1,843.5				Total Circ Time			
ECD @ Csg Shoe	ppg							BU Time, min			
ECD @ Bit	ppg							Total Strokes			
Properties		1	2	3	4	Targets	Program	Fluid Treatments			
Source								Fluid Type			
Time								Seawater			
Depth								Rig Activity Cont. cut casing @ 98.4m. No success. Attempt cutting 20" & 30" casing with cutter assembly #2 @ 96.8m. POOH. Skid rig in. Lay out well head. Disengage tools from well head.			
FL Temp											
Density @ Deg C											
FV @ Deg C											
PV @ Deg C											
YP											
GELS											
600/300											
200/100											
6/3											
API Filt											
HTHP @ Deg C											
Cake API/HTHP											
Corr Solid											
NAP/Water											
Sand											
MBT											
pH @ Deg C											
ALK Mud											
ALK Filt											
Chlorides											
Tot. Hardness											
LGS/HGS											
LGS/HGS											
ASG											
Additional Properties											
Product Name	Units	Start	Rec	Used	End	Cost	Solids Control Equipment				Time
Drilling Fluids Engineer 2	day(s)			1		\$1,250.00	Shaker		Screens	Hrs	Drilling Circulating Trips Rig Surveys Fishing Run Casing Coring Reaming
Drilling Fluids Engineer	day(s)			1		\$1,250.00	VSM-300				
ALDACIDE G	5 gal can	9			9		VSM-300				
Amodrill 1235	1500 l drum	2			2		VSM-300				
BARACOR 100	55 gal drum	4			4		VSM-300				
BARA-DEFOAM W300	5 gal can	17			17						
BARAZAN D PLUS	25 kg bag	107			107						
barite	1000 kg bulk	88.980			88.980						
BAROFIBRE FINE	25 lb bag	50			50						
bentonite	1000 kg bulk	51.570			51.570						
calcium chloride flake 77%	25 kg bag	39			39						
caustic soda	25 kg pail	31			31						
Circal 60/16	25 kg sack	143			143						
Circal Y	25 kg sack	286			286						
citric acid	25 kg bag	21			21						
CLAYSEAL PLUS	216 kg drum	29			29						
CON DET	5 gal can	32			32						
CON DET	55 gal drum	8			8						
DEXTRID LTE	25 kg sack	75			75						
EZ SPOT	55 gal drum	8			8						
EZ-MUD	25 kg pail	109			109						
EZ-MUD DP	25 kg bag	14			14						
guar gum	25 kg bag	70			70						
KCL Tech Grade (bulk)	1000 kg bulk	2.000			2.000						
Kwikseal Fine	40 lb bag	38			38						
lime	25 kg bag	66			66						
N-DRIL HT PLUS	50 lb bag	55			55						
NO-SULF	17 kg pail	48			48						
Omyacarb 5	25 kg bulk	33.000			33.000						
Daily Products Cost							\$0.00	Total Daily Cost		\$2,500.00	
Cumulative Products Cost							\$170,281.97	Total Cumulative Cost		\$230,281.97	
Baroid Representatives							James Munford				
Office							90 Talinga Rd Melbourne		Telephone		61-03-9581-7555
Warehouse							c/o of Esso Australia Ltd		Telephone		61-3-56-881-445
Fluid Types		Vol bbl		Deviation Information							
Active		bbl		Additions		bbl		Losses		bbl	
Annulus				Base				Fluid Dumped			
Pipe Cap				Drill Water				Transferred			
Active Pits				Dewatering				SCE			
Total Hole		834.7		Sea Water				Evaporation			
Total Circ				Whole Mud				Trips			
Reserve				Barite				Other			
Prev Vol		834.7		Chemicals				Total Surface			
Net Change				Other				Downhole			
Total Vol		834.7		Total				Total Losses			

APPENDIX 7: MUDLOGGING REPORT



INTEQ

FINAL WELL REPORT

Nexus Energy Ltd

Garfish-1

28 May 2008 – 12 June 2008

by

BAKER HUGHES INTEQ

The information, interpretations, recommendations, or opinions contained herein are advisory only and may be rejected. Consultant does not warrant their accuracy or correctness. Nothing contained herein shall be deemed to be inconsistent with, nor expand, modify or alter consultant's obligation of performance as provided for in a written agreement between the parties, or, if none, in consultant's most recent price list.

Garfish-1

Final Well Report

Section 1	HS&E
Section 2	Well Summary
Section 3	Drilling and Engineering
	3.1 Bit Run Summaries
	3.2 Casing, Cementing and Suspension Summaries
Section 4	Geology and Shows
	4.1 Geology Summary and Shows
	4.2 Sampling Summary and Record of Distribution
Section 5	Pressure Evaluation
	5.1 Pore Pressure Evaluation
	5.2 Fracture Pressure Evaluation
Tables	1 - Bit Table
	2 - Bit Hydraulics Table
	3 - Time Depth Curve
	4 - Surveys
Appendices	
	A - Formation Evaluation Log 1 : 500
	B - Gas Ratio Plot 1 : 500
	C - Drilling Data Pressure Plot 1 : 1000
	D - Drilling Data Plot 1 : 1000

1.0 HS&E

No Lost Time Incidents (LTI's), or Medical Treatment Cases (MTC's) were recorded during the Garfish-1 well program. No incidents of spills or uncontrolled emissions to the environment occurred throughout the Garfish-1 program.

A near miss occurred while roustabout was reaching for tagline when his front foot slipped off a joint of casing causing him to straddle the joint of casing. As he straddled the casing his right knee contacted the casing and he sustained bruising to the knee. He was sent to shore for precautionary X-ray.

While changing out damaged tugger wire, a "snake" joining the old and new wires together released just prior to going over the crown sheave. Both cables fell back down the rig floor.

There was a human error in skidding rig operation. The lock pins were not retracted prior to skidding rig package.

An incident has been recorded when a Roughneck removed pin from 30" casing bowls thus allowing bowls to open and the bushing to fall through rotary table, which fell to Texas deck and through the grating and went into the sea.

JHA's were reviewed at the beginning of the job and carried out for each identifiable task where a hazard could not be eliminated by using engineering controls. Pre-tour meetings were attended by crew personnel before each shift, with crew members being encouraged to contribute to the discussion. Pre-job meetings were attended by crew members before major operations being conducted; i.e. running casing. All crew members worked a maximum of 12 hours per day, with one exception early in the programs.

Weekly unit's safety meeting also conducted each week.

2 Well Data Summary

Well Name	Garfish-1
Rig Name:	West Triton
Rig Type:	Jack up
Drilling Contractor:	Seadrill
Drilling Datum:	Rotary Table
RT to AHD:	39.90 mMDRT
RT to Seabed:	96.25 mMDRT
Surface Coordinates:	Lat 038° 06' 38.08 38" S Long 148° 15' 17.14 66" E
Grid Coordinates: (GRS80, GDA94)	E 610 001.323 m N 5 781 172.451 m
Block:	VIC / L29
Well Type:	Exploration
Spud Date:	28 May 2008
Spud Depth:	96.2 m MDRT
Total Depth:	2590.0m MDRT / 2589.6m TVDRT
TD Date:	13 June 2008
Well Status:	Plug and Abandoned
Baker Hughes INTEQ Crew:	
Data Engineers:	Deelip Mahajan, Ilyas Ahmad Khan John Mancarella
Logging Geologists:	Rebecca Houston, Haylee Doggart

2.1 Well Summary

Baker Hughes INTEQ SLS provided formation evaluation, drill monitoring services for Garfish-1 from the spud depth at 96.25 mMDRT, on 28 May 2008 to 2590.0m MDRT/2589m TVD reached on 12 June 2008. Data was processed and stored using **Advantage version 2.10U2** software. All depths were measured depth below Rotary Table (mMDRT) referenced to Australian Height Datum (AHD) unless otherwise stated.

Garfish-1 was a near Vertical Exploration Well drilled by Nexus Energy Ltd using the West Triton Jack up. The geological objectives of Garfish-1 was to evaluate the reservoir potential of the Chimaera formation (based on seismic attribute analysis suggesting porous, gas filled formation) and to evaluate the Admiral sands (100, 200 sands) with core and pressure logs to establish overall reservoir continuity.

The well was spudded at 96.25m using a 660mm (26") bit with a 914mm (36") hole opener. The 914mm (36") hole section was drilled from 96.25m to 131.0m and 660mm (26") hole to 132.0m with a sea water followed by Hi-Vis sweeps and returns to sea bed. The 610mm (24") conductor shoe followed by 762mm (30") casing was set at 127.8m and cemented. The 559mm (22") clean out BHA was made up on MWD tools and tagged top of cement at 125.0m and drilled out shoe track, rat hole to 132.0m. The same BHA was pulled out and laid out after pumping 100 bbl Hi-vis pill at section TD.

The 445mm (17-1/2") hole was drilled from 132.0m to 755.0m with sea water followed by Hi-Vis sweeps and returns to sea bed. The MWD surveys were taken every third stand after pumping PHB sweeps around the BHA to avoid pack-off. At section TD the hole was swept with 150bbl PHB sweep and displaced with PHB mud. Conducted a wiper trip below 30" casing shoe without any overpull but while running down to bottom had a hold up of 20Klbs down. The hole was then lightly washed down from 721.0m to 755.0m then pumped a Hi-vis sweep followed by a hole displacement with PHB mud. The BHA 3 was pulled out and laid out followed by running in 340mm (13-3/8") casing set at 746.5m shoe depth and then cemented as per program. Installed high pressure riser, BOP and tested successfully.

The clean out BHA, 311mm (12-1/4") bit was run to drill out cement, shoe track followed by rathole. The cement top was tagged at 740.0m and drilled out new formation from 755.0m to 758.0m while displacing hole to KCL-Polymer mud of 1.13sg. The hole was circulated and the mud conditioned to perform LOT/FIT at 758.0m. The Halliburton lines were pressure tested and conducted FIT at 1020psi with EMW 2.08sg. The BHA was then pulled out and laid out.

The 216mm (8-1/2") hole was drilled from 758.0m to 2450.0m with KCL-Polymer mud. The MWD survey was taken every third stand and lately after five stands. The mud weight was raised from 1.21sg to 1.31sg while drilling ahead from 2082.0m to 2145.0m. The well was on flow-check at 2408m due to a drill break from 11m/hr to 30m/hr, noted steady. At 2450.0m the hole was swept with 50bbl Hi-vis and circulated bottoms up twice to clean hole. The well was flow checked and pulled out wet from 2450.0m to 1285.0m. At 1285.0m pumped a 20bbl slug and pulled out to casing shoe and done a flow check, noted steady. A new BHA was made up on 216mm (8-1/2") Coring bit with Core barrels. The string was filled up every 500m and run in hole to 2421.0m. Wash down from 2421.0m to tag bottom at 2450.0m. At 2550.0m broke pipe, dropped ball and took slow circulation rate. Cut the core from 2450.0m to 2470.0m with an avg ROP of 1.27m/hr. and broke the core free by working pipe to 30Klbs overpull and circulation. At surface broke core barrel and laid down the same and recovered 19.34m of core ~ 96.7%. A new BHA 5 was made up on 216mm (8-1/2") bit with MWD tools, shallow tested and run in hole to 2450.0m. The core section from 2450.0m onwards was reamed down and drilled new hole from 2470.0m to 2590.0m well TD with KCL-Polymer mud of 11.0ppg. The section was drilled with an Avg ROP of 16m/hr. The well was on flow-check at 2502m due to a drill break from 18m/hr to 60m/hr, noted steady. At well TD the hole was swept with 50bbl Hi-vis and circulated bottoms up to clean hole. As a result of tight spots and overpull the hole was back-reamed between 2583.0m to 2464.0m and used jar to free pipe at 2494.0m and 2484.0m.

At well TD 2590.0m conducted a wireline logging. The cement plugs were set and well was abandoned as per programme.

3.1 Drilling Summary

660 / 914mm (26"/36") Hole Section 28 May 2008

Bit Run No. 1 Summary

Bit No.	NB1
Bit Size	660/914 mm
Bit Type	Rock / Reed YC11
Serial Number	34406
Jets	3x22, 1x16
Depth In, m	96.25
Depth Out, m	132.00
Bit Grading	1-1-WT-A-2-I-RR-TD

Drilling Parameters

WOB Klb	2.0	-	3.0
RPM Surf	86	-	88
Pump Pressure psi	620	-	1300
Flow In gpm	470	-	1000
Torque kft.lb	0.01	-	0.3

Mud

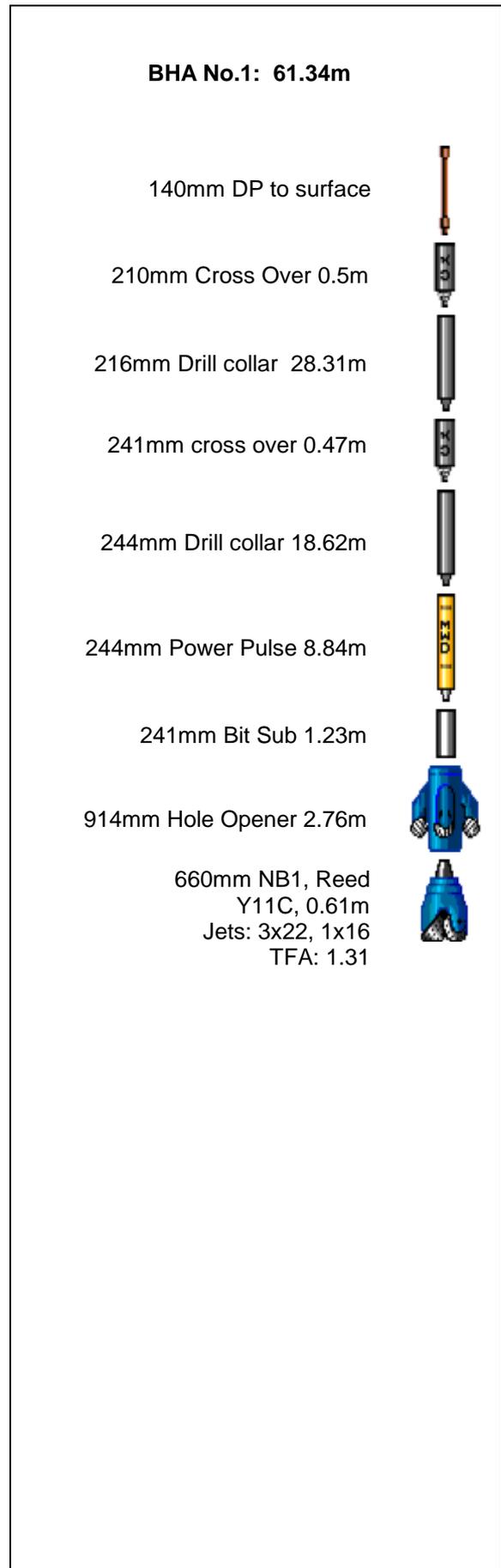
Sea water	1.04 sg (SW)
Hi-vis sweeps	

Lithology

Return to Seabed

Drilling Summary

The well was spudded from 96.25m using a new 660mm (26") bit with a 914mm (36") hole opener. The 914mm (36") hole section was drilled from 97.0m to 131.0m and 660mm (26") hole to 132.0m. At section TD the hole was swept with 200bbl PHG sweep and displaced to PHG mud. The section was drilled with an average ROP of 71.6m/hr for the 35.8m drilled. The BHA was pulled out and racked back without any tight spots. The 610mm (24") shoe followed by 762mm (30") casing was set at 127.8m and cemented successfully.



**559mm (22") Clean Out BHA
29 May 2008**

Bit Run No. 2 Summary

Bit No.	NB2
Bit Size	559mm
Bit Type	Rock / XR+C
Serial Number	MZ3173
Jets	3x22, 1x16
Depth In, m	132.0
Depth Out, m	132.0
Bit Grading	0-0-NO-A-0-I-NO-BHA

Drilling Parameters

WOB Klb	7.0	-	10.0
RPM Surf	65	-	82
Pump Pressure psi	410	-	490
Flow In gpm	600	-	660
Torque kft.lb	0.1	-	0.25

Mud

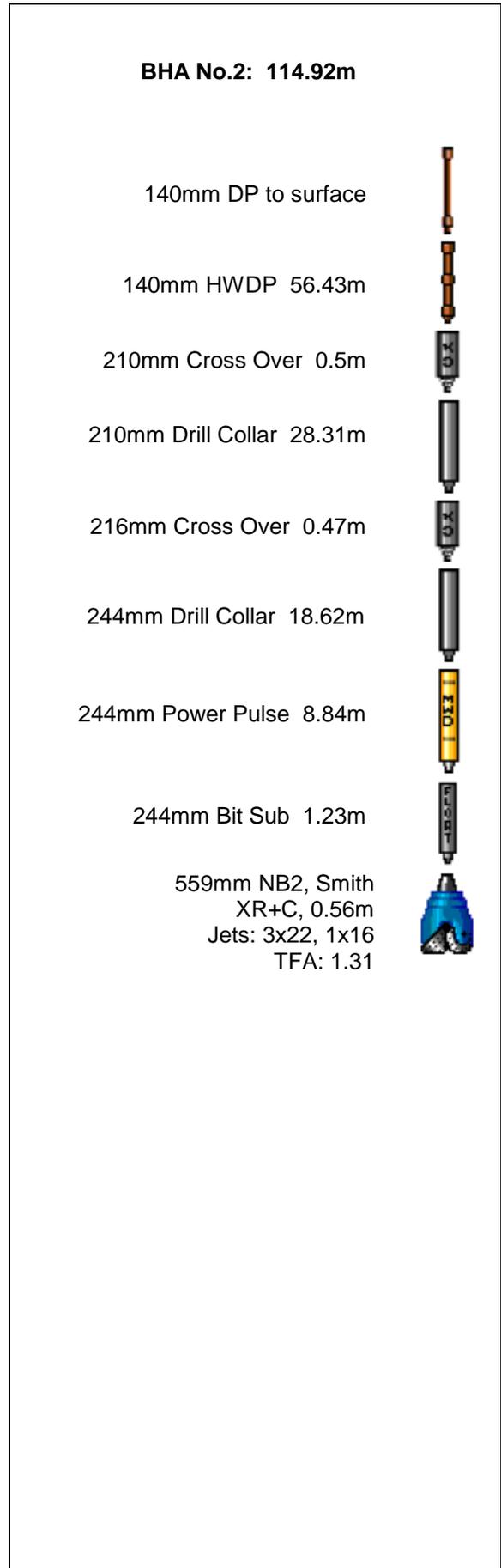
Sea Water	1.04 sg (SW)
Hi-vis sweep	

Lithology

Returns to seabed

Drilling Summary

BHA 2, was made up on 559mm (22") Rock bit with MWD tools, ran in hole to 116.0m and washed down to tag the top of cement at 125.0m. The shoe track and rat hole to 132.0m was drilled with an average ROP 10.0 m/hr. At 132.0m a Hi-vis sweep of 100bbl was pumped and the string was pulled out of the hole without any problems encountered.



445mm (17-1/2") Hole Section 30 - 31 May 2008

Bit Run No. 3 Summary

Bit No.	NB 3
Bit Size	445 mm
Bit Type	Rock / XR+C
Serial Number	MZ1061
Jets	3x22, 1x18
Depth In, m	132.0
Depth Out, m	755.0
Bit Grading	2-2-WT-A-3-I-NO-TD

Drilling Parameters

WOB Klb	5.0	-	25.0
RPM Surf	75	-	180
Pump Pressure psi	1690	-	1930
Flow In gpm	1180	-	1220
Torque kft.lb	0.25	-	5.5

Mud

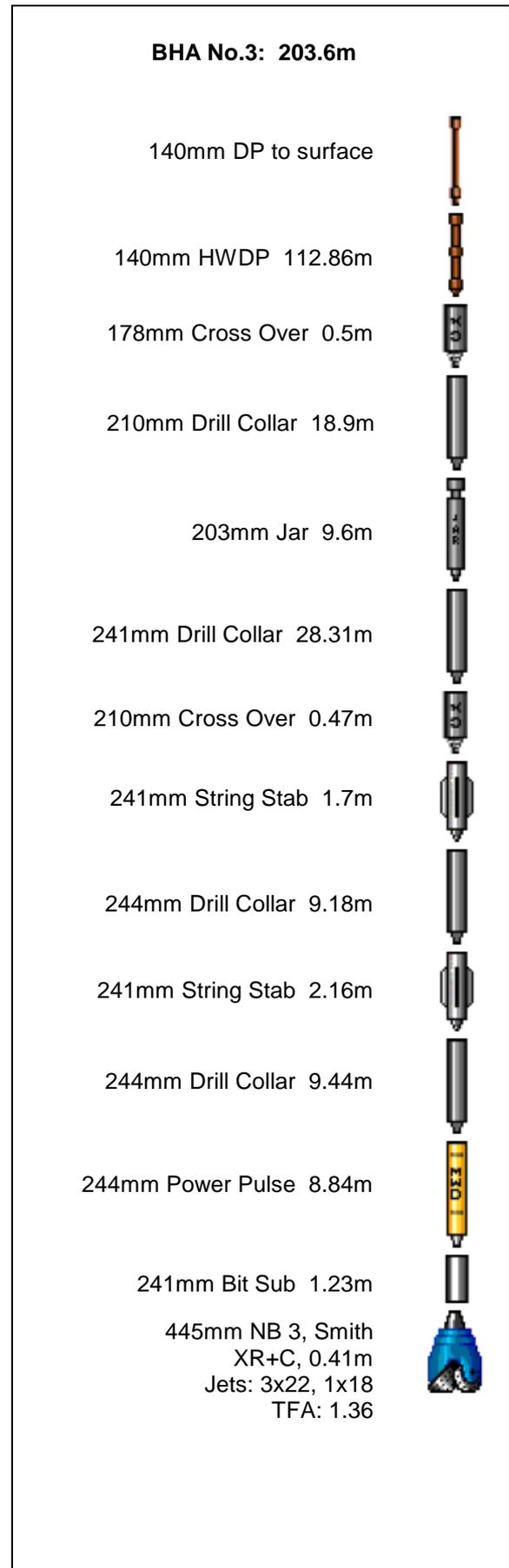
Sea Water	1.04 sg (SW)
Hi-vis sweep	

Lithology

Returns to seabed

Drilling Summary

BHA 3 was made up on 445mm (17- 1/2") bit with MWD tools and tested. The 445mm (17-1/2") hole was drilled from 132.0m to 755.0m with sea water followed by Hi-Vis sweeps and returns to sea bed. The MWD survey was taken every third stand after pumping PHB sweeps around the BHA to avoid pack-off. At section TD the hole was swept with 150bbl PHB sweep and displaced with PHB mud.



**311mm (12-1/4”) Clean-out BHA
05 June 2008**

Bit Run No. 4 Summary

Bit No.	NB 4
Bit Size	311 mm
Bit Type	Rock / SVHC
Serial Number	MX8625
Jets	4x18
Depth In, m	755.0
Depth Out, m	758.0
Bit Grading	1-1-RR-A-E-I-RR-TD

Drilling Parameters

WOB Klb	2.0	-	15.0
RPM Surf	60	-	90
Pump Pressure psi	1950	-	2150
Flow In gpm	1180	-	1200
Torque kft.lb	0.1	-	0.3

Mud

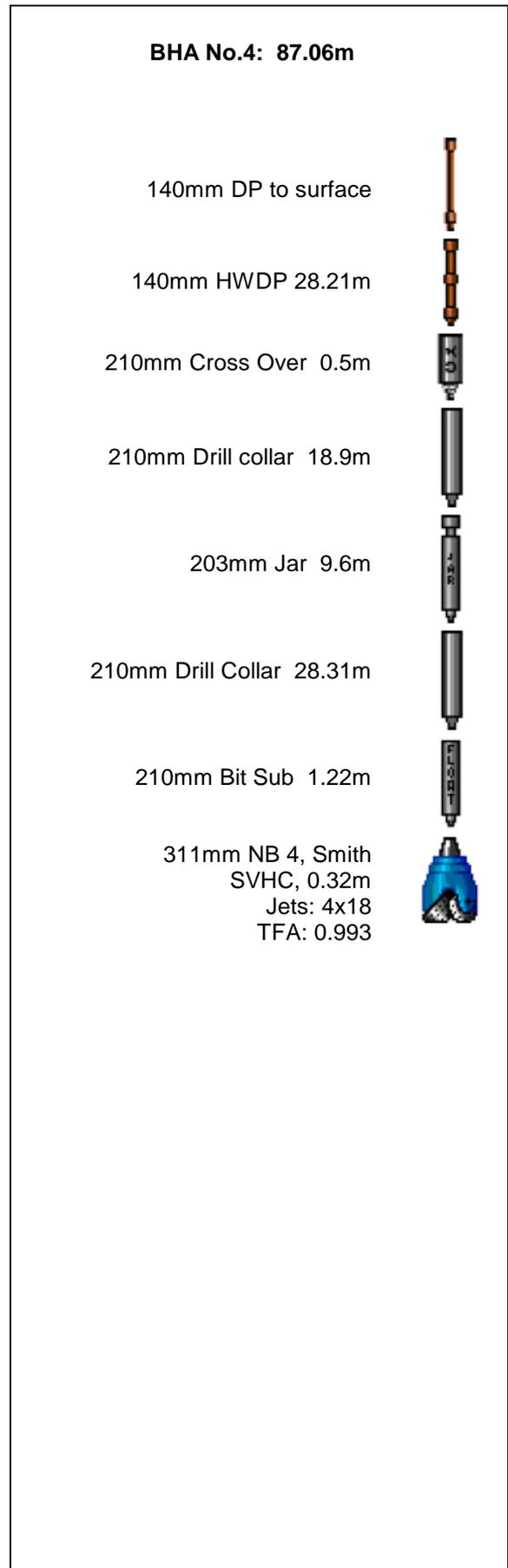
Sea Water	1.04 sg (SW)
Hi-vis sweep	

Lithology

Limestone

Drilling Summary

BHA 4 was a clean out BHA to drill out cement and shoe track followed by rathole. The cement top was tagged at 740.0m and drilled out new formation from 755.0m to 758.0m while displacing hole to KCL-Polymer mud of 1.13sg. The hole was circulated and conditioned the mud to perform LOT/FIT at 758.0m. The Halliburton lines were pressure tested and conducted FIT at 1020psi with EMW 2.08sg. The BHA was then pulled out and laid out.



**216mm (8-1/2") Hole Section
06 - 09 June 2008**

Bit Run No. 5 Summary

Bit No.	NB 5
Bit Size	216 mm
Bit Type	PDC / RSX519M-A2
Serial Number	117876
Jets	5x14, 2x10
Depth In, m	758.0
Depth Out, m	2450.0
Bit Grading	3-7-RO-T-X-I-WT-CP

Drilling Parameters

WOB Klb	5.0	-	35.0
RPM Surf	37	-	167
Pump Pressure psi	1390	-	3050
Flow In gpm	495	-	865
Torque kft.lb	0.25	-	11.2

Mud

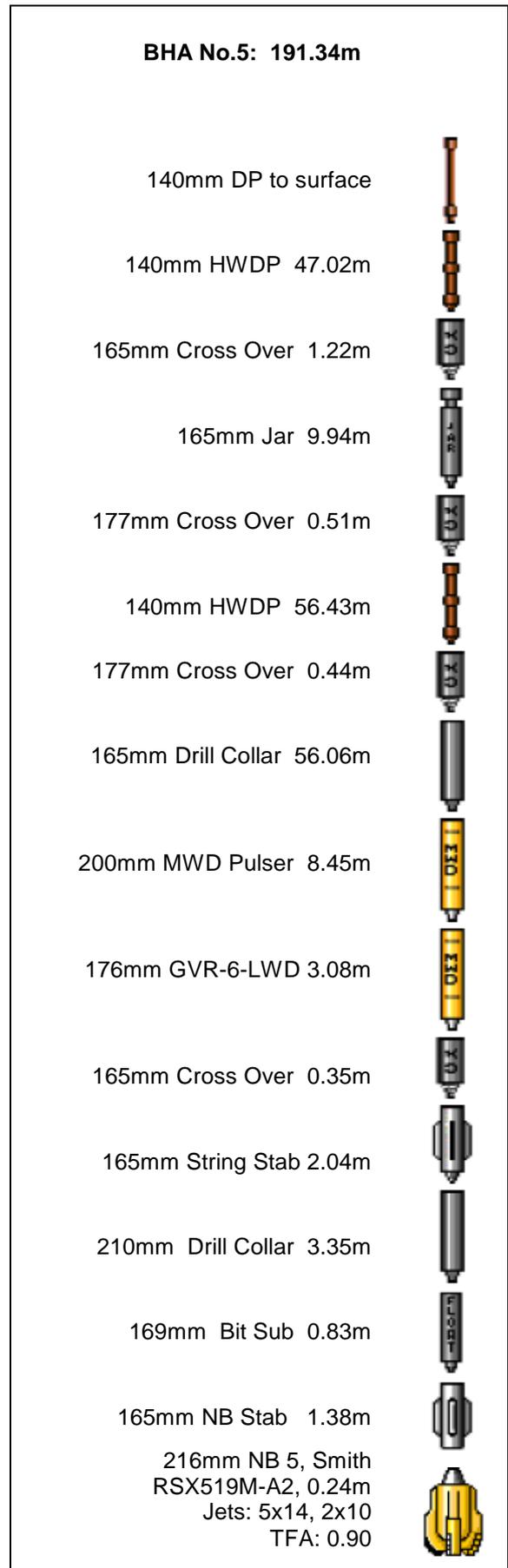
KCL/Polymer 1.13 sg -1.31 sg

Lithology

Limestone, Siltstone, Volcanics, Sandstone, Shale, Coal

Drilling Summary

BHA 5 was made up on a 216mm (8-1/2") bit with MWD tools and tested. The 216mm (8-1/2") hole was drilled from 758.0m to 2450.0m with KCL-Polymer mud. The MWD survey was taken every third stand and later after five stands as the bit drilled to a greater depth. The mud weight was raised from 1.21sg to 1.31sg while drilling ahead from 2082.0m to 2145.0m. The well was flow checked at 2408m due to a drill break of 11m/hr to 30m/hr, it was noted steady. At 2450.0m the hole was swept with 50bbl Hi-vis and circulated two bottoms up to clean hole. The well was flow checked and pulled out wet from 2450.0m to 1285.0m. At 1285.0m pumped a 20bbl slug and pulled out to casing shoe and performed a flow check, noted steady.



**216mm (8-1/2") Coring BHA
89mm (3-1/2") Coring Section
10 June 2008**

Bit Run No. 6 Summary

Bit No.	NB 6
Bit Size	216 mm
Bit Type	Core Bit
Serial Number	BHC 409Z
TFA	1.09
Depth In, m	2450.0
Depth Out, m	2470.0
Bit Grading	0-0-NO-A-X-I-RR-TD

Drilling Parameters

WOB Klbf	5.0	-	25.0
RPM Surf	40	-	99
Pump Pressure psi	750	-	1090
Flow In gpm	250	-	285
Torque kft.lb	1.0	-	2.5

Mud

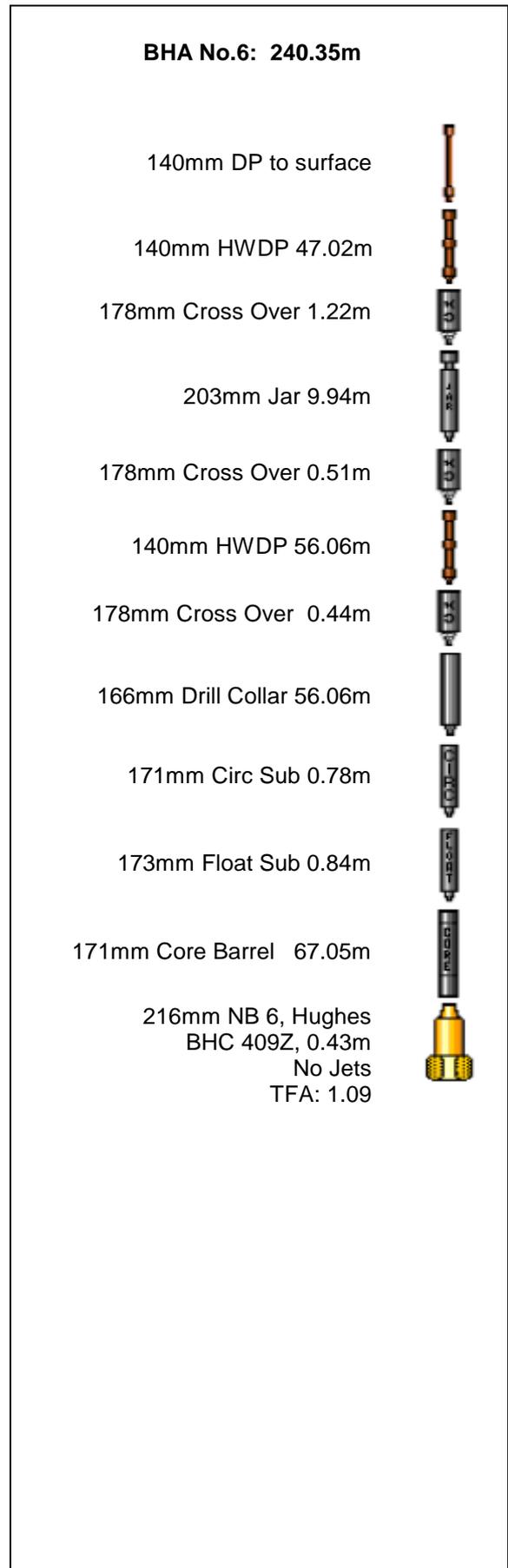
KCL/Polymer	1.31 sg
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Lithology

Claystone, Volcanics

Drilling Summary

BHA 6 was made up on 216mm (8-1/2") Coring bit with Core barrels. The string was filled up every 500m and run in hole to 2421.0m. Washed down from 2421.0m to tag bottom at 2450.0m. At 2550.0m broke pipe, dropped ball and took slow circulation rate. Cut the core from 2450.0m to 2470.0m with an avg ROP of 1.27m/hr. Broke the core free by working pipe to 30klbs overpull and circulated. Flow checked, pumped the slug and pulled out of hole without any overpull or tight spots. At surface broke core barrel and laid down the same. Recovered 19.34m of core ~ 96.7%.



**216mm (8-1/2") Hole Section
12 June 2008**

Bit Run No. 7 Summary

Bit No.	NB 7
Bit Size	216 mm
Bit Type	PDC / RSX616M-D2
Serial Number	215985
Jets	3x14, 3x15
Depth In, m	2470.0
Depth Out, m	2590.0
Bit Grading	8-7-RO-S-X-I-BT-PR

Drilling Parameters

WOB Klb	4.0	-	31.0
RPM Surf	137	-	150
Pump Pressure psi	1920	-	2670
Flow In gpm	610	-	810
Torque kft.lb	0.10	-	6.4

Mud

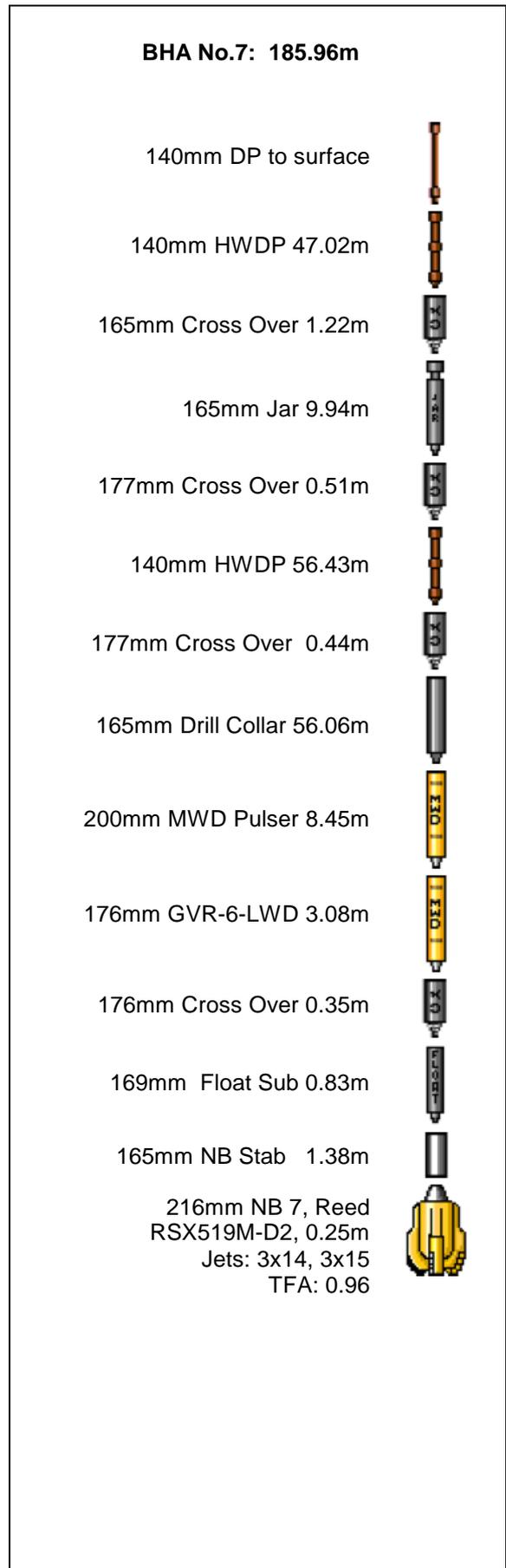
KCL/Polymer	1.31 sg
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Lithology

Claystone, Sandstone, Volcanics

Drilling Summary

BHA 5 was made up on 216mm (8-1/2") bit with MWD tools, shallow tested and run in hole to 2450.0m. The core section from 2450.0m onwards was reamed down and drilled new hole from 2470.0m to 2590.0m well TD with KCL-Polymer mud of 11.0ppg. The section was drilled with an Avg ROP of 16m/hr. The well was flow checked at 2502m due to a drill break of 18m/hr to 60m/hr, the flow check was noted steady. At well TD the hole was swept with 50bbl Hi-vis and circulated bottoms up to clean hole. As a result of tight spots and overpull the hole was back-reamed between 2583.0m to 2464.0m and used jar to free pipe at 2494.0m and 2484.0m. The BHA was pulled out to 1491.0m and pumped slug to continued to pull out of hole. The BHA was laid out and a wireline logging run was conducted. The cement plugs were set and well was abandoned as per program.



3.2 Casing and Cementing

762 mm (30") Casing

28 May 2008

HOLE SIZE: 914mm (36.0")
DEPTH: 131.0mMDRT

Casing Details

OD 762mm (30")
Grade / Wt: X-56 / 139.89 kg/m

Joints: 1 x 762mm
1 x 610mm shoe Jt
1 x 762mm casing Jt
1 x 762mm housing Jt

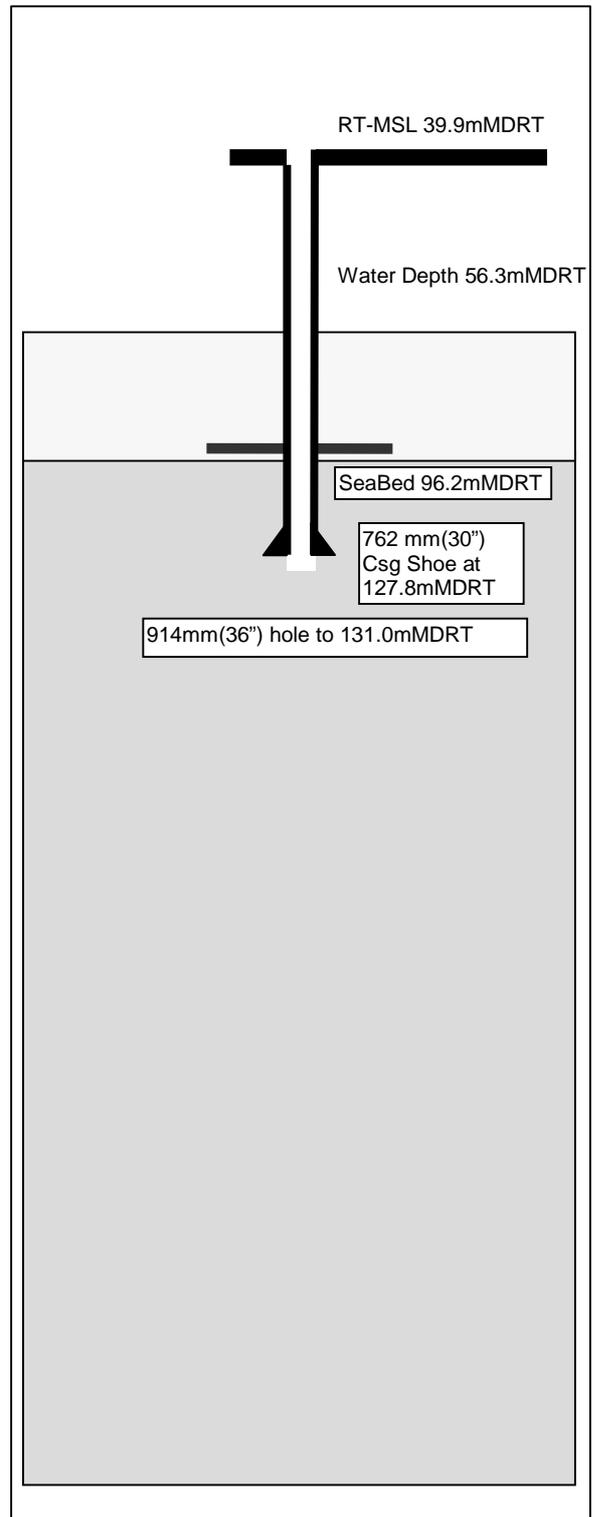
SHOE: 127.8 mMDRT

Cement Details

TYPE: Class G
WEIGHT: 1.9 sg (15.8ppg)
SLURRY VOL: 23.85m³

Summary

A total of 3 joints of 762 mm (30") and 1 Joint of 610mm (26") shoe joint of casing were run in hole with the shoe set at 127.8mMDRT. The casing reached bottom with no problems. The casing was circulated out briefly to verify that returns were good. The casing was successfully cemented as per program.



340 mm (13-3/8") Casing 01 June 2008

HOLE: SIZE: 445mm (17-1/2")
DEPTH: 755mMDRT

Casing Details

OD 340 mm (13-3/8")

Grade / Wt: K55: 68.0 lb/ft
Joints: 10 Joints Inc. shoe Jt
Grade / Wt: P110: 72.0 lb/ft
Joints: 10 Joints
Grade / Wt: SM-95T: 72.0 lb/ft
Joints: 32 Joints
Well Head: Below Hang-off point
Hang-off Point: 93.9m

SHOE: 746.5mMDRT

Cement Details

LEAD CEMENT:

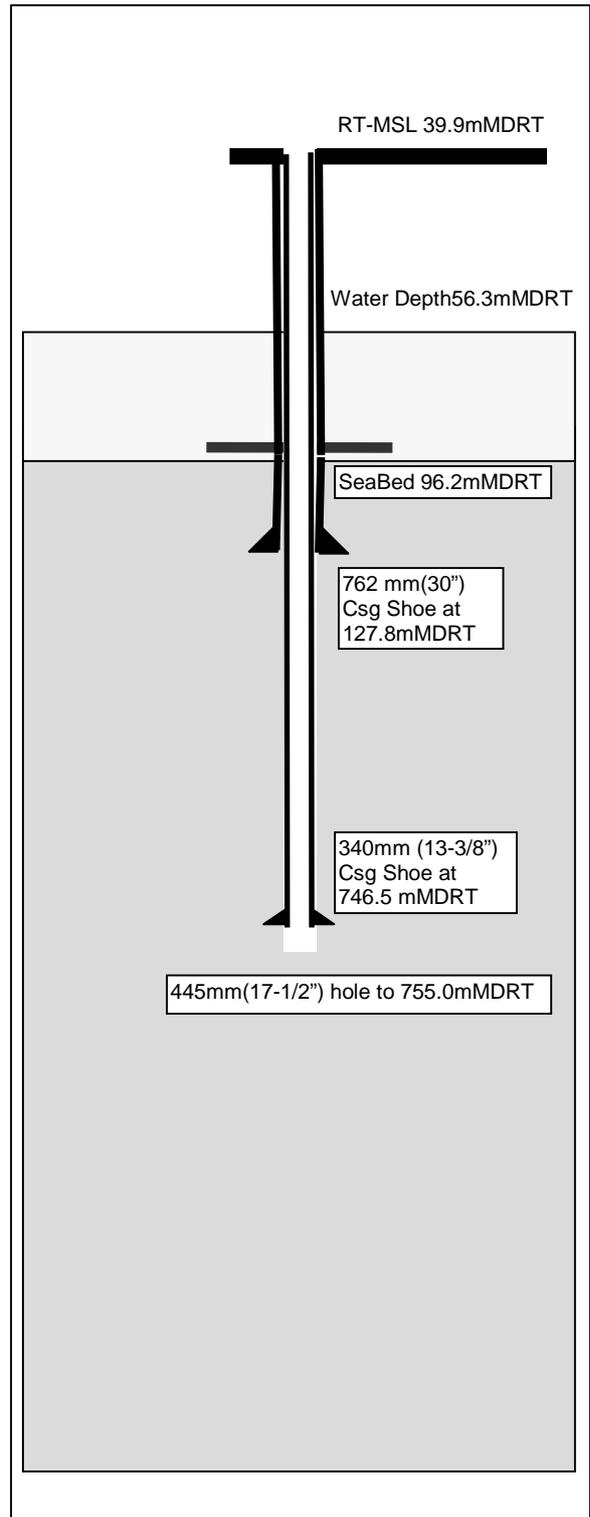
TYPE: Class G
WEIGHT: 1.5 sg (12.5 ppg)
SLURRY VOL: 377 bbl

TAIL CEMENT:

TYPE: Class G
WEIGHT: 1.90 sg (15.8 ppg)
SLURRY VOL: 63 bbl

Summary

A total of 52 joints of 340 mm (13 3/8") casing, float collar joint, pup joints and shoe track were run in hole with the shoe set at 746.5 m. The casing was run as per tally, filling up every joint with Sea Water. The casing reached bottom with no problem. The casing was circulated out briefly to verify that returns were good. The 476mm (18-3/4") well head was made up to 13-3/8" casing joint and run in hole with landing string, land out well head at 30" conductor and confirmed latched in to well head with 50k overpull. The top of 18-3/4" well head was at 92.66m and casing shoe at 746.53m. The casing was cemented as per program.



Plug and Abandon 15-16 June 2008

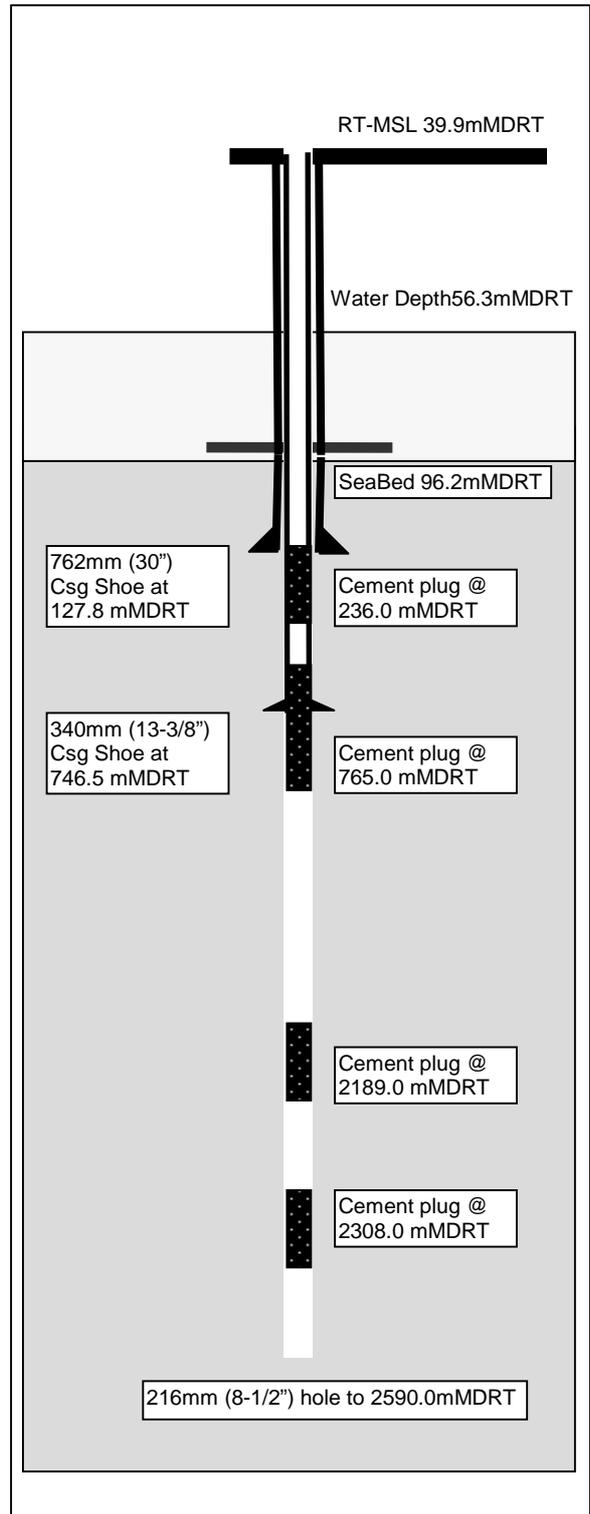
HOLE: SIZE: 216mm (8-1/2")
DEPTH: 2590.0m MDRT

Cement Details

TYPE: Class G
WEIGHT: 1.8sg – 1.9sg

Summary

RIH with cement stinger to 2308.0m, circulated bottoms up at 800 gpm and tested cement lines at 1000psi. Pumped and displaced 25bbl, 1.89 sg cement slurry. Pulled four stands out of hole to 2189.0m. Pumped bottoms up at 800gpm and displaced 30bbl, 1.9 sg cement slurry. POOH to 2032m and circulated bottoms up at maximum rate. After waiting on cement, run in hole and tagged the top of cement. POOH to 908.0m and pumped 25bbl hi-vis mud and displaced with 50bbl mud. Pulled back to 765.0m and pumped 55bbl, 1.9sg cement slurry. POOH five stands and circulated bottoms up. Pulled out and laid out cement stinger and closed the blind Ram to pressure test cement plug at 1200psi. Run in hole to 296.0m and spotted 30bbl hi-vis mud and pulled back to 236.0m and placed 49bbl, 1.9 sg cement plug.



4.1 ROP, Gas and Shows

Geological logging for Garfish-1 commenced at 755.0 mMDRT, below the 340 mm (13 3/8") casing shoe at 746.5 m to the total depth of 2590.0 m. (All depths given in this section are measured from the Rotary Table, unless otherwise specified).

During the course of the well all gas equipment were checked and calibrated regularly, and spot samples were taken during drilling breaks and other changes in drilling parameters to better assess lithological change. Drilled gas, trip gas, connection gas, re-circulated gas and swab gas levels were monitored.

The lithology of Garfish-1 is described below. For more detailed descriptions, see Appendix 1: Formation Evaluation Log. Please note that the descriptions on the Formation Evaluation Log were provided by the Nexus Wellsite Geologists.

DITCH CUTTING SAMPLING INTERVAL

Depth	Sample interval	Sample Type
755 – 780m	25m	normal
780 – 1500m	30m	normal
1500 – 1980m	10m	normal
1980 – 2450m	5m	normal
2450 – 2470m	0.5m	Normal / Cored
2470 – 2590m	5m	Normal

Note: Interval from 2450m to 2470m was cored, thus smaller amounts of cuttings were available at the shakers (generally less than 300g). Therefore cuttings samples within this interval were sent to Nexus only (Sets C&D).

FORMATION DESCRIPTION

755 to 1184mMDRT / ROP 5.26 – 179.80m/hr (Ave 144.47)

CALCILUTITE (100%): medium grey, very soft to soft, amorphous to sub blocky, dispersive, common nodular pyrite, minor fossils and shell fragments (Foraminifera), trace crystalline calcite, common medium grey argillaceous matrix, grading to argillaceous calcilutite.

ARGILLACIOUS CALCILUTITE (100%): medium grey to medium dark olive grey, soft to firm, sub blocky to blocky, dispersive, rare but diverse range of planktic and benthic foraminifera, trace bryozoan's fragments, trace clusters of pyrite nodules; trace crystalline calcite, abundant medium grey argillaceous matrix.

1184 to 1615mMDRT / ROP 108.79 – 151.11m/hr (Ave 139.78)

ARGILLACIOUS CALCILUTITE (100%): medium dark olive grey, medium olive to greenish grey, light olive grey to medium grey, medium grey, firm, soft, moderately hard, sub blocky, sub blocky to blocky, blocky, dispersive, homogenous, rare by diverse range of planktonic and benthic foraminifera, trace pyrite replacing echinoid spines or shell fragments, trace benozoan fragments, trace clusters of Pyrite nodules, trace pyrite streaks and microlaminae, trace orange translucent crystalline calcite, grey argillaceous matrix, grading to calcareous Claystone,

FORAMINIFERAL CALCILUTITE (100%): light olive to medium light grey, medium grey, firm, sub blocky to blocky, dispersive, abundant Foraminifera fine to medium grain size, rare nodular pyrite, abundant medium light grey argillaceous matrix

GLAUCONITIC CALCARENITE (trace): Light olive grey speckled grayish green, firm to moderately hard, sub fissile, crystalline, with bioclasts not distinguishable, common medium to coarse sand –sized impure grayish green glauconite

1615 to 2051mMDRT / ROP 117.25 – 167.75m/hr (Ave 140.13)

FORAMINIFERAL CALCILUTITE (0-15%): Light olive grey to medium light grey, medium grey, firm, sub blocky to blocky, dispersive, abundant foraminifera fine to medium grain size, trace larger foraminifera and fossil fragments, rare nodular pyrite, trace framboidal pyrite, abundant medium light grey argillaceous matrix

SANDSTONE (10-100%): Quartzose, white to very light grey, trace light brownish grey, pale yellowish orange, clear to translucent grains, transparent to translucent grains, trace milky, returned loose, bimodal, fine to granule, predominantly coarse to granule in places, predominantly fine to medium, very angular to rounded, poorly sorted, low to high sphericity, elongated, trace pyrite frosting on some rounded grains, trace intergranular pyrite, trace nodular pyrite, trace lithic grains, trace mica, trace pyrite cement, silty fine to very fine Sandstone aggregates, trace siliceous cement, trace light grey argillaceous matrix, good inferred porosity, fair inferred porosity, no shows

COAL (0 - 70%): brownish black to black, black, moderately hard to hard, firm, brittle, sub blocky to sub conchoidal fracture, blocky, sub fissile to fissile, sub vitreous to vitreous luster, moderately dull to bright, dull, conchoidal to sub fissile

CALCAREOUS CLAYSTONE (20-50%): light grey to medium grey, medium dark grey, moderate firm to firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, locally abundant, moderately to strongly calcareous, grading to Claystone

CARBONACEOUS CLAYSTONE (0-80%): medium dark grey to dark grey, moderately firm to predominantly firm, sub blocky to blocky, slightly dispersive. Minor disseminated pyrite, abundant carbonaceous material, weakly calcareous

SILTSTONE (0-85%): brownish grey to grayish brown, light to medium grey, brownish grey, firm to moderately hard, soft to moderately hard, sub fissile to sub blocky, sub blocky to blocky, abundant very fine carbonaceous specks, non calcareous, rarely with lenses of microcrystalline pyrite, commonly high micaceous, black carbonaceous to coaly microlaminae, nodular to irregular pyrite masses

CLAYSTONE (0-70%): very light brown, brownish grey to dark grey, medium light grey to medium grey, firm to moderately hard, moderately firm to predominantly firm, sub fissile, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, common carbonaceous fragments, non to weakly calcareous, trace to rare silt,

VOLCANICS (0-5%): very light yellow orange, firm to moderately hard, flakey, light grey groundmass with extensive clay seams and coatings, non calcareous

2051 to 2091mMDRT / ROP 97.09 – 149.04m/hr (Ave 131.89)

CLAYSTONE (0-10%): very light brown to light olive brown, firm, sub fissile, waxy texture, non calcareous

SILTSTONE (5-30%): brownish grey to dusky brown, firm to moderately hard, sub blocky to blocky, locally highly micaceous, locally carbonaceous, with rare carbonaceous microlaminae

SANDSTONE (trace-80%): quartzose, very light grey, light grey, loose, fine lower to medium upper, moderately sorted, angular to sub angular, sub spheroidal transparent to translucent quartz,

VOLCANICS (20-90%): light grey to light greenish grey, speckled light orange yellow, speckled dark grey, light yellow, light greenish grey, very light grey to pale green, moderately hard, soft, blocky, sub blocky, non calcareous, light grey groundmass, locally apparent with veinlets or light yellow clay, lenses of sulphide, locally with randomly oriented acicular grey crystals, trace coarsely crystalline, microcrystalline pyrite, with common fine carbonaceous material and coaly lenses. No fluorescence

BASALT (0-10%): dark greenish grey to greenish black, hard, blocky, locally with fine to medium grained phenocrysts distinguishable

2091 to 2129mMDRT / ROP 99.89 – 120.71m/hr (Ave 113.86)

CLAYSTONE (5-10%): very light brown to light olive, medium grey, yellowish brown, very soft, firm, sub fissile, fissile, waxy texture, non calcareous

SILTSTONE (20-50%): brownish grey, dark yellowish brown to dusky brown, moderately hard, blocky to sub fissile, non calcareous, rarely with carbonaceous microlaminae, grading to Claystone

SANDSTONE (5-75%): light grey, loose, very fine upper to fine upper, bimodal coarse upper to granule, well sorted, moderately sorted, with trace very coarse grains, sub angular, sub rounded, transparent to translucent quartz

VOLCANICS (0-60%): very light grey to pale green, soft, sub blocky, non calcareous, rarely with clusters of pyrite crystals

2129 to 2225mMDRT / ROP 100.07 – 138.78m/hr (Ave 134.34)

CLAYSTONE (10-100%): medium grey to medium dark grey, light brownish grey to brownish grey, firm, sub blocky to blocky, trace to common quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous,

SILTSTONE (5-70%): brownish grey, dark yellowish brown to dusky brown, moderately hard, blocky to sub fissile, non calcareous, rarely with carbonaceous microlaminae, grading to Claystone

SANDSTONE (0-90%): quartzose, light grey, white to very light grey, trace moderate orange pink, loose, clear to predominantly translucent grains, bimodal coarse to granule, very fine to medium grained, common angular fragments, otherwise sub angular to sub rounded, very fine to fine, sub angular sub rounded, transparent to translucent quartz, trace dark grey lithics, trace bright fluorescence

2225 to 2525mMDRT / ROP 40.61 – 150.00m/hr (Ave 136.40)

CLAYSTONE (5-100%): medium grey to medium dark grey, light brownish grey to medium brownish grey in part, firm to moderately hard, minor soft, subfissile to fissile, sub blocky to blocky, amorphous, tabular to elongate cuttings, trace quartz silt, trace disseminated and nodular pyrite, trace quartz silt, trace carbonaceous fragments, non calcareous, homogeneous, locally with carbonaceous streaks.

SILTSTONE (tr-80%): medium light grey to medium dark grey, medium grey to brownish grey, firm to moderately hard, sub blocky to blocky, non calcareous, with rare to locally very fine to fine sand, common carbonaceous material and lenses, common to abundant black carbonaceous specks, common medium grey argillaceous matrix, trace weathered feldspar grains, locally common micro mica, commonly, rarely grading to very fine grained argillaceous sandstone.

SANDSTONE (tr-100%): quartzose, very light grey, clear to translucent and milky grains, commonly returned loose, friable to firm aggregates, very fine to medium grained, predominantly very fine to fine, rare medium, angular to sub rounded, trace rounded, low to moderate sphericity, well sorted, common white to light brownish grey argillaceous matrix, trace weak calcareous cement, trace black and greenish black lithic grains, trace moderate brown to moderate red lithics, trace weathered feldspar grains, poor to fair inferred porosity, no shows.

COAL (tr-5%): black to brownish black, firm to moderately hard, fissile, shaley, probably uphole contamination.

2525-2590mMDRT / ROP 139.04– 150.24m/hr (Ave 146.46)

SANDSTONE (20-30%): quartzose, very light grey to light grey, clear to translucent grains, trace milky, trace moderate red stained, predominantly returned loose, minor friable to firm aggregates, very fine to very coarse grained, predominantly fine to medium, trace coarse to very coarse, sub angular to sub rounded, trace angular, very angular and fractured in coarser grains, low to moderate sphericity, well sorted, trace light grey

argillaceous matrix, calcite cemented in aggregates, trace weathered feldspar grains, trace brownish black lithic grains, very poor visual porosity. No Shows.

VOLCANICS (80-100%): grayish green to dark greenish grey, medium dark grey to light grey, trace pale red to pale red purple fragments, trace moderate red, trace white, trace grayish black, orange red, predominantly shades of green and dark grey, moderately hard to very hard, brittle, blocky to sub blocky, cryptocrystalline, trace pyrite pale red fragments are microcrystalline and friable, trace grayish black lithics, trace chalcedony, trace very coarse very angular quartz grains.

Gas and ROP Readings for Garfish-1

Interval (mMDRT)	Total Gas range Min-max (%)	Total Gas Average (%)	ROP Range (m/h)	ROP Average (m/h)
96.2 – 1184	0.00 – 0.11	0.05	5.26 – 179.80	144.47
1184 – 1615	0.03 – 0.21	0.09	108.79 – 151.11	139.78
1615 – 2051	0.08 – 0.98	0.27	117.25 – 167.75	140.13
2051 – 2091	0.08 – 0.20	0.12	97.09 – 149.04	131.89
2091 – 2129	0.08 – 0.32	0.19	99.89 – 120.71	113.86
2129 – 2225	0.01 – 0.09	0.03	100.07 – 138.78	134.34
2225 – 2525	0.01 – 0.31	0.09	40.61 – 150.00	136.40
2525 - 2590	0.03 – 0.17	0.09	139.04– 150.24	146.46

Gas Peak readings for Garfish-1

216mm (8.5”) Hole Section

Depth Interval (m)	Total Gas (%)	Depth Max Gas (m)	C1 Range (ppm)	C2 Range (ppm)	C3 Range (ppm)	iC4 Range (ppm)	nC4 Range (ppm)	iC5 Range (ppm)	nC5 Range (ppm)	Gas Peak Type & Number
755 – 1184	0.05	800	5 – 1038	0 – 3	0	0	0	0	0	Formation Gas
1184 – 1615	0.09	1530	264 – 1436	0 – 13	0 – 10	0	0	0	0	Formation Gas
1615 – 2051	0.27	1714	120 – 9027	9 – 341	7 – 131	0 – 14	0 – 23	0	0	Formation Gas
2051 – 2091	0.12	2091	66 – 1102	2 – 105	0 – 52	0 – 7	0 – 12	0	0	Formation Gas
2091 – 2129	0.19	2094	97 – 1775	2 – 133	2 – 57	0 – 4	0 – 10	0	0	Formation Gas
2129 – 2225	0.03	2223	41 – 219	0 – 8	0 – 4	0	0 – 1	0	0	Formation Gas
2225 – 2525	0.09	2521	67 – 3001	1 – 37	0 – 38	0 – 5	0 – 7	0	0	Formation Gas
2525 – 2590	0.09	2530	102 – 1532	0 – 12	0 – 8	0 – 2	0 – 1	0	0	Formation Gas

4.2 Sampling Summary

Ditch Cuttings Samples

DITCH CUTTING SAMPLING INTERVAL

Depth	Sample interval	Sample Type
755 – 780m	25m	normal
780 – 1500m	30m	normal
1500 – 1980m	10m	normal
1980 – 2450m	5m	normal
2450 – 2470m	0.5m	Normal / Cored
2470 – 2590m	5m	Normal

SAMPLE TYPE	Sets	COMPOSITION			PACKING DETAILS
		Sample Depth (m)			
		Box No:	From	To	
Washed and dried Cutting Samples Note: Set A, B will be split in plastic bag, interval from 755m to 2590m (200gm)	A, B	1	755	1110	Missed samples <ul style="list-style-type: none"> Due to high ROP: 1985m, 1995m, 2005m, 2015m, 2025m, 2035m, 2045m, 2065m Underweight sample <ul style="list-style-type: none"> 810m Small boxes 1 to 13 packed in large cardboard boxes no. 1 to 2. Set A: 2 large cardboard boxes Set B: 2 large cardboard boxes Size: 38cmx38cmx33cm
		2	1110	1510	
		3	10	1640	
		4	1640	1810	
		5	1810	1980	
		6	1980	2075	
		7	2075	2150	
		8	2150	2215	
		9	2215	2290	
		10	2290	2360	
		11	2435	2435	
		12	2435	2535	
		13	2535	2590	
Washed and dried Cutting Samples Note: Set C, D will be split in plastic bag, interval from 755m to 2590m (100gm)	C, D	1	755	1320	Missed samples <ul style="list-style-type: none"> Due to high ROP: 1985m, 1995m, 2005m, 2015m, 2025m, 2035m, 2045m, 2065m Small boxes 1 to 11 packed in large cardboard boxes no. 1 to 2. Set C: 2 large cardboard boxes Set D: 2 large cardboard boxes Size: 38cmx38cmx33cm
		2	1320	1620	
		3	1620	1820	
		4	1820	2050	
		5	2050	2150	
		6	2150	2240	
		7	2240	2355	
		8	2355	2450	
		9	2450	2462	
		10	2462	2500	
		11	2500	2590	
Unwashed (Geochem) wet Cutting sample (500g) from 755m to 2590m, packed in HUBCO bag.	E	1	755	1600	Packed in large cardboard boxes 1 to 6 Size: 38cmx38cmx20cm Note: 2450 – 2470m, no samples collected, coring run
		2	1600	1960	
		3	1960	2210	
		4	2210	2400	
		5	2400	2467.5	
		6	2467.5	2590	
Samplex Tray Samples	F	1	755	2590	1 Small wooden box, packed inside box 2 with Set D cuttings samples Size: 25cmx25cmx25cm
Mud Sample (500ml) Mud filtrate (30ml)	G & H	1	755 2000 2450 2590	1 cardboard box, packed inside box 2 with Set C cuttings samples. Size: 29cmx20cmx20cm	

All samples were shipped to Baker Hughes INTEQ, Perth (Sample Manifest, Table 5)

5.1 Pore Pressure Evaluation

Garfish-1

In drilling Garfish-4, a seawater density of 1.04sg was assumed as normal saline pressure gradient for all calculations. The equivalent depth method was applied in the Dxc analysis, with all the relevant data, such as connection gas, trip gas, background gas, hole condition, and mud flowline temperature all taken into consideration in the analysis of the formation pore pressure.

914mm (36") / 660mm (26") Hole section: 96.25m – 132.0m

This hole section was drilled riserless utilizing seawater and Pre-hydrated Gel sweeps. Pore pressure analysis was based roughly on hole condition and observations by the ROV for the presence of shallow gas. No hole problem was encountered in drilling this section while the ROV did not report any indication of shallow gas. The hole was drilled vertically in this section and drilling initially made use of jetting prior to setting the 30" conductor.

445mm (17-1/2") Hole Section: 132.0m – 755.0m

This hole section was drilled riserless utilizing seawater and Pre-hydrated Gel sweeps to 755.0m. Pore pressure analysis was based roughly on hole condition and observations by the ROV for the presence of shallow gas. No hole problem was encountered in drilling this section while the ROV did not report any indication of shallow gas. The hole was drilled vertically. The resulting Dxc values showed a general increasing value with depth which indicates a normally pressured formation.

216mm (8-1/2") Hole Section: 758.0m – 2590.0m

Using WBM (KCL-Polymer), this hole section was drilled to the well's total depth using two PDC bit. Using the PDC bit, the rate of penetration averaged at 33 m/hr in the upper section and slowing down to around 16 m/hr to 10 m/hr near TD. The resulting Dxc values were therefore well scattered but nevertheless showed a general increasing value with depth which indicate a normally pressured formation.

The flowline temperature ranged from 16degC to 59degC in the hole section. The low mud temperature reading is attributed to the cooling effect of seawater into the mud column in the riser. This and the numerous trips and the occasional addition of fresh mud from the mixing and reserve pits rendered this tool of limited use in predicting pore pressure increase.

The Dxc plot of this hole section showed a general increasing trend with depth, and the data points were less scattered and the trend steeper compared to the 12-1/4" hole section. Occasional deviations to the normal trend which would point to an increase in pore pressure can be attributed to some changes in lithology and also to occasional wide variations in the drilling parameters.

Based on the Dxc signature and supported by an increase in the background gas a possible pore pressure increase starting from 2000m was estimated at 1.03sg EMW to a maximum of 1.10sg EMW. The WBM mud, with density range from 1.13sg to 1.31sg, used in drilling the section, was therefore sufficient in countering any abnormal pressure in the well.

5.2 Fracture Pressure Evaluation

The well was spudded at 96.25m using a 660mm (26") bit with a 914mm (36") hole opener. The 914mm (36") hole section was drilled from 96.25m to 131.0m and 660mm (26") hole to 132.0m with a sea water followed by Hi-Vis sweeps and returns to sea bed. The 610mm (24") conductor shoe followed by 762mm (30") casing was set at 127.8m and cemented. No LOT/FIT being conducted at the 30" casing shoe.

The 445mm (17-1/2") hole was drilled from 132.0m to 755.0m with sea water followed by Hi-Vis sweeps and returns to sea bed. The MWD surveys were taken every third stand after pumping PHB sweeps around the BHA to avoid pack-off. At section TD the hole was swept with 150bbl PHB sweep and displaced with PHB mud. Conducted a wiper trip below 30" casing shoe without any overpull but while running down to bottom had a held up of 20Klbs down. The hole was then lightly washed down from 721.0m to 755.0m then pumped a Hi-vis sweep followed by a hole displacement with PHB mud. No loss of circulation was observed by the ROV in monitoring the returns going to seabed. The 340mm (13-3/8") casing shoe was set at 746.5m and cemented as per program.

The clean out BHA, 311mm (12-1/4") was run to drill out cement, shoe track followed by rathole. The cement top was tagged at 740.0m and drilled out new formation from 755.0m to 758.0m while displacing hole to KCL-Polymer mud of 1.13sg.

The hole was circulated and conditioned the mud to perform LOT/FIT at 758.0m. The Halliburton lines were pressure tested and conducted FIT at 1020psi with EMW 2.08sg.

The following is a summary of the Formation Integrity Test (FIT) conducted in this well:

Hole Size	Hole Depth	Casing	Shoe Depth	Pressure	Mud Weight	EMW
311mm (12-1/4")	758m MDRT 758m TVDRT	13-3/8"	746.5m MDRT 746.5m TVDRT	1020 psi	1.13 sg	2.08 sg

Geological Sample Manifest

SAMPLE TYPE	Sets	COMPOSITION			PACKING DETAILS
		Sample Depth (m)			
		Box No:	From	To	
Washed and dried Cutting Samples Note: Set A, B will be split in plastic bag, interval from 755m to 2590m (200gm)	A, B	1	755	1110	Missed samples <ul style="list-style-type: none"> Due to high ROP: 1985m, 1995m, 2005m, 2015m, 2025m, 2035m, 2045m, 2065m Underweight sample <ul style="list-style-type: none"> 810m Small boxes 1 to 13 packed in large cardboard boxes no. 1 to 2. Set A: 2 large cardboard boxes Set B: 2 large cardboard boxes Size: 38cmx38cmx33cm
		2	1110	1510	
		3	10	1640	
		4	1640	1810	
		5	1810	1980	
		6	1980	2075	
		7	2075	2150	
		8	2150	2215	
		9	2215	2290	
		10	2290	2360	
		11	2435	2435	
		12	2435	2535	
		13	2535	2590	
Washed and dried Cutting Samples Note: Set C, D will be split in plastic bag, interval from 755m to 2590m (100gm)	C, D	1	755	1320	Missed samples <ul style="list-style-type: none"> Due to high ROP: 1985m, 1995m, 2005m, 2015m, 2025m, 2035m, 2045m, 2065m Small boxes 1 to 11 packed in large cardboard boxes no. 1 to 2. Set C: 2 large cardboard boxes Set D: 2 large cardboard boxes Size: 38cmx38cmx33cm
		2	1320	1620	
		3	1620	1820	
		4	1820	2050	
		5	2050	2150	
		6	2150	2240	
		7	2240	2355	
		8	2355	2450	
		9	2450	2462	
		10	2462	2500	
		11	2500	2590	
Unwashed (Geochem) wet Cutting sample (500g) from 755m to 2590m, packed in HUBCO bag.	E	1	755	1600	Packed in large cardboard boxes 1 to 6 Size: 38cmx38cmx20cm Note: 2450 – 2470m, no samples collected, coring run
		2	1600	1960	
		3	1960	2210	
		4	2210	2400	
		5	2400	2467.5	
		6	2467.5	2590	
Samplex Tray Samples	F	1	755	2590	1 Small wooden box, packed inside box 2 with Set D cuttings samples Size: 25cmx25cmx25cm
Mud Sample (500ml) Mud filtrate (30ml)	G & H	1	755 2000 2450 2590		1 cardboard box, packed inside box 2 with Set C cuttings samples. Size: 29cmx20cmx20cm

All Samples were sent together to Kestrel Information Management to the address below, and distrusted to the other parties from there.

Samples final destination:

SET NUMBER	SET TYPE	DESTINATION
A	200g W&D Drill Cuttings Sample (Micropal and Palynology)	DPI Melbourne
B	200g W&D Drill Cuttings Sample	Geoscience Australia Manager, Geoscience Australia Data Repositories Geoscience Australia Cnr Jerrabomberra Ave and Hindmarsh Drive SYMONSTON ACT 2609
C	100g W&D Drill Cuttings Sample	Nexus Energy Ltd Kestrel Information Management 582-600 Somerville Rd Sunshine West, Victoria 3020 Attn: Diana Giordano Ph: 03 9311 0391 Fax: 03 9311 0145
D	100g W&D Drill Cuttings Sample	Nexus Energy Ltd Address as above
E	500g Unwashed Cuttings (Geochem)	Nexus Energy Ltd Address as above
F	Samplex Trays	Nexus Energy Ltd Address as above
G	Mud Samples	Nexus Energy Ltd Address as above
H	Filtrate Samples	Nexus Energy Ltd Address as above

Note: Interval from 2450m to 2470m was cored, thus smaller amounts of cuttings were available at the shakers (generally less than 300g). Therefore cuttings samples within this interval were sent to Nexus only (Sets C&D).

Table: 3 Time and Depth Curve



Nexus Energy Ltd
Garfish-1
Time vs Depth



INTEQ

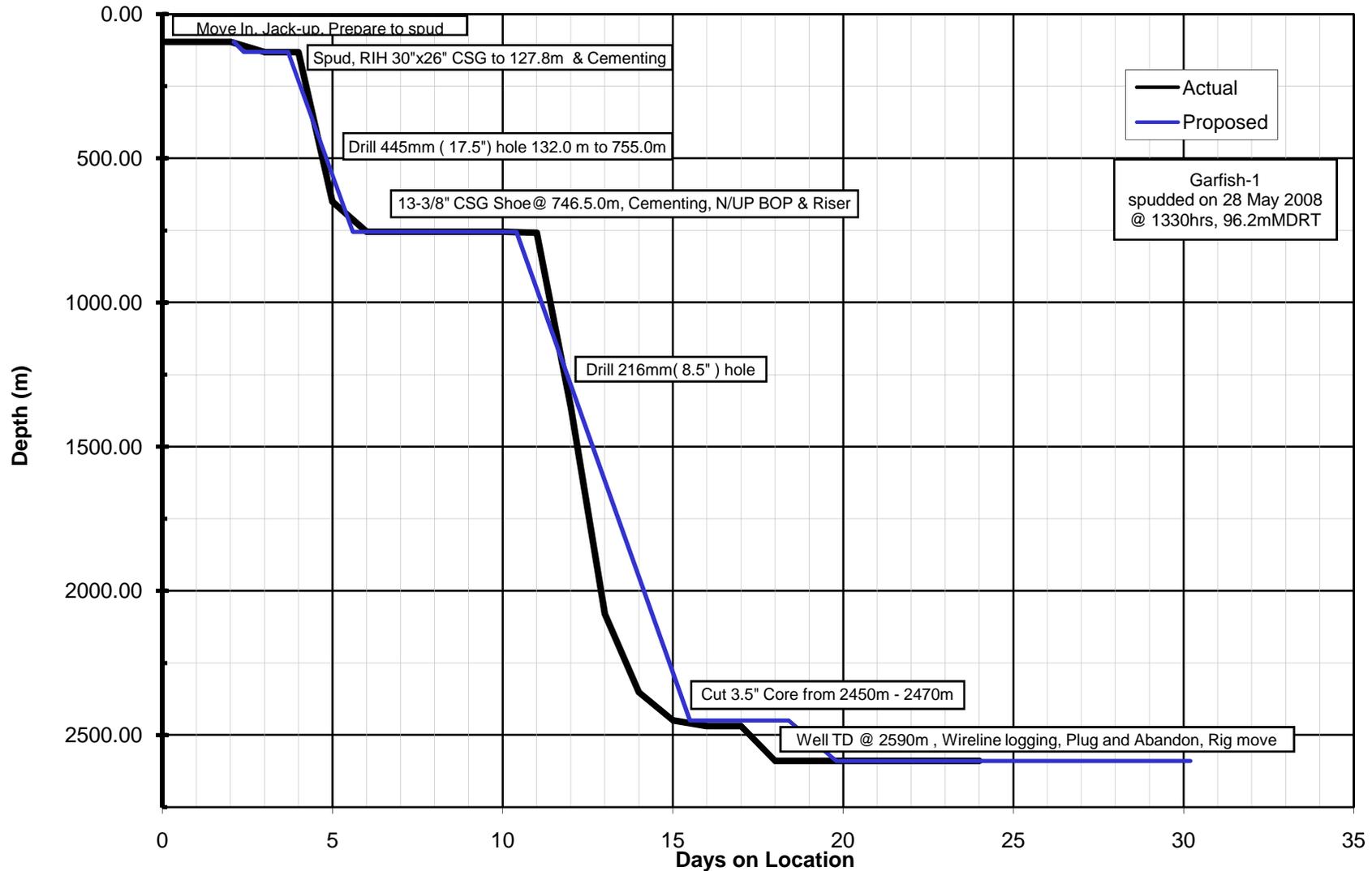


Table 1: Bit Run Summary

Tables

OPERATOR Nexus Energy Ltd				WELL NAME Garfish-1			LOCATION VIC / L29			CONTRACTOR Seadrill							RIG West Triton																											
 				Mud Pump Data Pumps 1, 2, and 3 165 mm 6.5" Liners 355 mm 14" Stroke 97% Efficiency, 26.5 litre/stk (0.139 bbl/stk)			BIT DULL CHARACTERISTICS										REASONS PULLED																											
							BC - Broken Cone	CI - Cone Interference	JD - Junk Damage	PB - Pinched Bit	SS - Self-Sharpening	BHA - Bottomhole Assembly	LOG - Run Logs	FM - Formation Change	TD - Total / Cig depth	BT - Broken Teeth	CR - Cored	LC - Lost Cone	PN - Plugged Nozzle	TR - Tracking	DMF - Downhole Motor failure	RIG - Rig repair	HP - Hole Problems	TQ - Torque	BU - Balled Up	CT - Chipped Teeth	LN - Lost Nozzle	RG - Rounded Gauge	WO - Washed-Out Bit	DSF - Drill String failure	CM - Condition Mud	HR - Hours	TW - Twist-Off	CC - Cracked Cone	FC - Flat Crested Wear	LT - Lost Teeth	RO - Ring Out	WT - Worn Teeth	DST - Drill Stem Test	CP - Core Point	PP - Pump Pressure	WC - Weather Conditions	CD - Cone Dragged	HC - Heat Checking
BHA #	BIT No.	MAKE	TYPE	TFA sq.in.	JETS	SERIAL No.	DEPTH IN m	METRES ON BIT	HRS ON BOTTOM	AV ROP m/hr	CIRC HRS	WOB klbf	RPM Surf/Motor	TBR krev	SPP psi	FLOW gpm	TQ kft.lb	GRADE								MW SG	REMARKS																	
																		I	O	D	L	B	G	O	R																			
914mm (36") Hole section 96.25m - 132.0m																																												
1	NB1	REED	Rock	1.310	3x22, 1x16	34406	96.25	35.8	0.5	71.5	1.6	2.0 - 3.0	86 - 88	3.6	620 - 1300	470 - 1000	0.01 - 0.3	1	1	WT	A	2	I	RR	TD	1.04 (SW)	Casing Point																	
559mm (22") Clean out BHA 132.0 - 132.0 m																																												
2	NB2	Smith	Rock	1.310	3x22, 1x16	NZ3173	132.0	0.0	0.0	0.0	1.6	2.0 - 10.0	65 - 82	5.4	410 - 490	600 - 660	0.1 - 0.2	0	0	NO	A	0	I	NO	BHA	1.04 (SW)	Clean out BHA																	
445mm (17-1/2") Hole Section 132.0 - 755.0 m																																												
3	NB3	Smith	Rock	1.362	3x22, 1x18	MZ1061	132.0	623.0	12.0	52.0	17.7	5.0 - 25.0	70 - 180	110.0	500 - 2000	590 - 1200	0.5 - 5.5	2	2	WT	A	3	I	NO	TD	1.04 (SW)	Casing Point																	
311mm (12-1/4") Clean out BHA 755.0 - 758.0 m																																												
4	NB4	Smith	Rock	0.993	4 x 18	SVHC	755.0	3.0	0.2	15.0	2.6	2.0 - 15.0	60 - 90	1.4	2000 - 2150	1150 - 1200	0.1 - 0.7	1	1	RR	A	E	I	RR	TD	1.04 (SW)	Clean out BHA																	
216mm (8-1/2") Hole Section 758.0 - 2450.0 m																																												
5	NB5	Smith	PDC	0.905	5x14, 2x10	RSX519M	758.0	1692.0	50.4	33.6	65.4	15 - 35	36 - 168	1.3	1390 - 3050	495 - 860	0.1 - 11.1	3	7	RO	T	X	I	WP	CP	9.5 - 11.1	Coring point																	
216mm (8-1/2") Coring Section 2450.0 - 2470.0 m																																												
6	NB6	Smith	Core Bit	1.090	No Jets	BHC 409Z	2450.0	20.0	15.9	1.3	18.6	5.0 - 25.0	40 - 99	80.0	750 - 1090	250 - 285	1.0 - 2.5	0	0	NO	A	X	I	RR	TD	11.0	Core Bit																	
216mm (8-1/2") Hole Section 2470.0 - 2590.0 m																																												
7	NB7	REED	PDC	0.969	3x14, 3x15	RSX616M-D2	2470.0	120.0	7.5	16.0	11.2	4.0 - 20.0	104 - 150	65.0	1920 - 2675	610 - 1100	1.0 - 6.2	8	7	RO	S	X	I	BT	PR	11.00	Well TD																	
				RT-AHD (m)				39.90 mMDRT																																				

Table 2: Bit Hydraulics Summary

Tables

  <h2 style="text-align: center;">Bit Hydraulics Summary</h2>																				
Operator					Well Name					Location		Drilling Contractor					Rig			
Nexus Energy Ltd					Garfish-1					VIC / L29		Seadrill					West Triton			
Drillstring Abbreviations										Hydraulics Models										
N Normal M MWD P Positive Displacement Motor A Adjustable Gauge Stabilizer					S Powerdrive T TRACS Tool C Core					Power Law Model used for drilling with Mud Bingham Model used for coring and drilling with seawater										
Bit No.	Depth AHD (m)	Hole Size in	Jets x 1/32"	Drill String Type	Mud Type	Mud Density sg	PV mPas	YP Pa	Flow Rate gpm	Jet Vel m/sec	Impact Force lbf / in ²	Hydraulic Power hhp	Power/ Area hp/sq in	Bit Loss psi	Bit Loss %	Pipe* Loss psi	ECD sg	Annular Velocities		
																		DP OH m/min	DC OH m/min	DP Max Dia m/min
445 mm (17.50") Hole Section 132.0 m - 755.0 mMDRT																				
NB3	755.0	17.50	3x22, 1x18	M	Sea water	1.04	-	-	1200	86.2	6.2	1489.0	1.54	522	25.3	1400	1.05	32.48	41.50	11.9
311 mm (12.25") Hole Section 755.0 m - 758.0 mMDRT																				
NB4	758.0	12.25	4 x 18	N	KCL / Polymer	1.13	15	17	1200	118.0	19.0	785.0	6.66	1106	53.0	960	1.16	69.76	98.80	11.8
216 mm (8.50") Hole Section 755.0 m - 2590.0 mMDRT Well TD																				
NB5	1365	8.50	5x14, 2x10	M	KCL / Polymer	1.15	15	27	800	86.4	19.9	283.0	5.00	599	25.0	1795	1.27	142.30	164.80	7.9
NB5	2081	8.50	5x14, 2x10	M	KCL / Polymer	1.21	17	29	800	86.0	20.0	298.0	5.26	630	25.0	1867	1.31	142.30	199.60	7.9
NB5	2352	8.50	5x14, 2x10	M	KCL / Polymer	1.31	15	30	820	88.6	23.9	349.0	6.16	721	24.4	2234	1.43	145.80	168.90	8.1
NB5	2450	8.50	5x14, 2x10	M	KCL / Polymer	1.31	15	30	820	88.6	23.9	349.0	6.16	721	23.8	2300	1.43	145.85	168.90	8.1
NB7	2590	8.50	3x14, 3x15	M	KCL / Polymer	1.31	15	30	820	80.7	21.3	283.0	5.00	599	22.7	2041	1.43	142.30	164.80	7.9

* Note: Pipe Loss includes DP,HWDP, DC, MWD, Motor

APPENDIX 8: DAILY GEOLOGICAL REPORTS

Garfish-1

Date:	02-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	1	Leak Off Test:	-
Report Period:	24hrs to 24:00	Current hole size:	445 mm (17 1/2")
Depth @ 2400 Hrs:	755.0 mMDRT	Mud Weight:	-
Last Depth:	755.0 mMDRT	ECD:	-
Progress:	-	Mud Type:	-
TD Lithology:	-	V: 6 / 3	-
Water Depth:	56.3 m	Mud Fluid Loss:	-
RT Elevation:	39.9 m	Bit Type:	-

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Cemented 13 3/8" casing. POOH with inner string, laid out running tool. Prepared to run 22" HP riser to 66m. TOFS, dropped bushing into sea. Recovered bushing from diverter housing. Made up running tool to 22" HP riser.

06:00 Update

RIH with HP riser, attached straps to H4 connector operating lines. Attempted to land H4 connector on 18 3/4" well head, problem with tidal currents. Wait on slack water to land H4 connector on 18 3/4" well head.

NEXT 24 HOURS:

Land out and pressure test HP riser on well head. Nipple up BOPs.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
	No New Lithology drilled

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
	Nil.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
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SURVEYS

MD	ANGLE	Azi	TVD					
746.93	0.21	194.47	746.92					

COMMENTS: Geologist arrived on rig June 2nd 2008.

WELLSITE GEOLOGIST:

Cliff Menhennitt

Garfish-1

Date:	03-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	2	Leak Off Test:	-
Report Period:	24hrs to 24:00	Current hole size:	445 mm (17 1/2")
Depth @ 2400 Hrs:	755.0 mMDRT	Mud Weight:	-
Last Depth:	755.0 mMDRT	ECD:	-
Progress:	-	Mud Type:	-
TD Lithology:	-	V: 6 / 3	-
Water Depth:	56.3 m	Mud Fluid Loss:	-
RT Elevation:	39.9 m	Bit Type:	-

OPERATIONS SUMMARY

24 HOUR SUMMARY 00:00 - 24:00:

Secured grating on Texas deck. Lowered HP riser to above wellhead but unable to stab in due to movement. Waited on slack tide, jumped ROV, stabbed H4 and locked on same. Pressure tested casing/H4 to 500psi/10min. Installed CTU and ran Claxton clamp. Due to uneven operation of CTU, sheared bolts on Claxton clamp. Troubleshoot problems on CTU and replaced sheared bolts on Claxton clamp.

06:00 Update

Held PTSM and reviewed JSA. Continued replacing sheared bolts on Claxton clamp and adjusted slip segments to butt up against slip segment captivation plate. Tensioned up main clamp bolts on Claxton clamp and lifted Claxton clamp above CTU before raising CTU. Positioned CTU to correct level position, lowered Claxton clamp to CTU and tensioned up CTU to 100 T (72 Bar). Released running tool from wellhead at Texas deck and laid down same. Commenced installing BOP platform over CTU.

NEXT 24 HOURS:

Run BOP, test same and RIH with 12.25" bit to drill out 13.375" shoe and perform leak-off test.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
	No New Lithology drilled

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
	Nil.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
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SURVEYS

MD	ANGLE	Azi	TVD					
746.93	0.21	194.47	746.92					

COMMENTS: Sufficient supplies of Draegar tubes to evaluate CO2 and H2S from MDT found in BHI unit.

WELLSITE GEOLOGIST:

Cliff Menhennitt

Garfish-1

Date:	04-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	3	Leak Off Test:	-
Report Period:	24hrs to 24:00	Current hole size:	445 mm (17 1/2")
Depth @ 2400 Hrs:	755.0 mMDRT	Mud Weight:	-
Last Depth:	755.0 mMDRT	ECD:	-
Progress:	-	Mud Type:	-
TD Lithology:	-	V: 6 / 3	-
Water Depth:	56.3 m	Mud Fluid Loss:	-
RT Elevation:	39.9 m	Bit Type:	-

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Replaced sheared bolts on Claxton clamp, activated Claxton clamp and took riser tension on CTU. Released DQ running tool from wellhead. Ran BOP work platform, ran BOP, mandrill, overshot and diverter assembly. Picked up 12.25in BHA and RIH same.

06:00 Update

Continued picking up drill pipe and tagged cement at 740m. A total of 66 joints DP were picked up. Made up TDS and appeared to damage saver sub. Laid out damaged single DP and inspected saver sub - OK.

NEXT 24 HOURS:

Drill out cement and 3m new formation. Perform LOT and POOH for 8.5" BHA to drill ahead.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
	No New Lithology drilled

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
	Nil.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)

SURVEYS

MD	ANGLE	Azi	TVD					
746.93	0.21	194.47	746.92					

: MWD sensor offsets will be included in this report after the BHA has been made up.

WELLSITE GEOLOGIST:

Cliff Menhennitt

Garfish-1

Date:	05-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	4	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	755.0 mMDRT	Mud Weight:	1.13 SG
Last Depth:	758.0 mMDRT	ECD:	-
Progress:	3	Mud Type:	KCL/Polymer
TD Lithology:	-	V: 6 / 3	11/9
Water Depth:	56.3 m	Mud Fluid Loss:	6
RT Elevation:	39.9 m	Bit Type:	Smith RSX519M

OPERATIONS SUMMARY

**24 HOUR SUMMARY
00:00 - 24:00:**

Picked up 5.5in DP for 12.25" BHA. Tagged cement at 733m, drilled cement and rat hole to 755m. Drilled 3m of new formation and performed FIT to 17.39ppg EMW. POOH 12.25" BHA and made up 8.5in BHA and RIH to 280m picking up DP singles.

06:00 Update

Continued RIH with 8.5" bit from 280m to 734m picking up 73 DP singles. Stood back 6 stands of DP in derrick to make way in the string for a total of 75 joints to be picked up. Serviced TDS.

NEXT 24 HOURS:

Continue to drill 8.5in hole.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
	No New Lithology drilled

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
	Nil.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)

SURVEYS

MD	ANGLE	Azi	TVD					
746.93	0.21	194.47	746.92					

COMMENTS:

MWD sensor offsets:
GR: 8.59m
Resistivity Shallow: 9.43m
Resistivity Medium: 9.30m
Resistivity Deep: 9.12m
Directional: 15.42m

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1



Date:	07-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	6	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2081.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	1365.0 mMDRT	ECD:	1.39 SG
Progress:	716 m	Mud Type:	KCL/Polymer
TD Lithology:	Volcanics	V: 6 / 3	14/12
Water Depth:	56.3 m	Mud Fluid Loss:	5.5
RT Elevation:	39.9 m	Bit Type:	Smith RSX519M

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Drilled 8.5in hole from 1365m to 2082m. Shut well in at 2077m and flow check - false alarm due to malfunction of Flow-Show gauge.

06:00 Update

Drilled 8.5in hole from 2082m to 2145m. At 2100m, weighted up mud from 1.21ppg to 1.32ppg.

NEXT 24 HOURS:

Continue to drill 8 1/2" hole to coring point.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
1468-1590 ROP: 17-138 m/hr AV: 71 m/hr	ARGILLACEOUS CALCILUTITE (100%): varying from soft, subblocky, slightly lighter olive grey; to medium dark olive grey, firm, subblocky to blocky, with rare foraminifera, trace pyrite streaks and microlaminae, trace light orange translucent crystalline calcite, grading to Calcareous Claystone. GLAUCONITIC CALCARENITE (trace): light olive grey speckled greyish green, firm to moderately hard, subfissile, crystalline, with bioclasts not distinguishable, with common medium to coarse sand-sized impure greyish green glauconite.
1590-1620 ROP: 9-83 m/hr AV: 58 m/hr	FORAMINIFERAL CALCILUTITE (100%): light olive grey to medium light grey, medium grey, firm, subblocky to blocky, dispersive, abundant Foraminifera fine to medium grain size, trace larger Foraminifera and fossil fragments, rare nodular pyrite, trace framboidal pyrite, abundant medium light grey argillaceous matrix.
1620-1688 ROP: 34-128 m/hr AV: 78 m/hr	Sandstone with subordinate coal and mudstone, including single sandstone intervals from 1629.5 to 1636.5 m and 1638 to 1688 m. SANDSTONE (95-100%): quartzose, white to very light grey, trace light brownish grey and pale yellowish orange, returned loose, clear to translucent grains, coarse to granule, predominantly very coarse to granule, very angular to rounded, predominantly very angular to sub rounded, low to high sphericity, tabular in part, moderately well sorted, trace pyrite frosting on some very coarse to granule grains, trace nodular pyrite, trace argillaceous matrix, trace lithic grains, minor bit fractured grains, good inferred porosity. No Shows. COAL (0-5%): brownish black to black, firm, brittle, sub blocky to sub conchoidal fracture, sub vitreous to vitreous lustre.

<p>1688-1760 ROP: 19-112 m/hr AV: 65 m/hr</p>	<p>Interbedded sandstone, calcareous claystone and coal; thick sandstone bed at 1697 to 1709 m, otherwise thin to medium bedded. 90% coal in 1720 m sample.</p> <p>SANDSTONE (10-95%): quartzose, white to very light grey, trace light brownish grey, returned loose, fine to very coarse, predominantly fine to medium, common coarse to very coarse, angular to rounded, predominantly angular to sub rounded, moderate to high sphericity, poorly sorted, trace pyrite frosting and intergranular cement evident on coarser grains, trace nodular pyrite, trace mica, trace light grey argillaceous matrix, good inferred porosity. No Shows.</p> <p>COAL (0-90%): brownish black to black, firm, brittle, sub blocky to sub conchoidal fracture, sub vitreous to vitreous lustre.</p> <p>CALCAREOUS CLAYSTONE (0-50%): light grey to medium grey, medium dark grey, moderately firm to firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, locally abundant, moderately to strongly calcareous, grading to Claystone.</p>
<p>1760-1910 ROP: 17-120 m/hr AV: 59 m/hr</p>	<p>Interbedded sandstone, carbonaceous claystone and trace coal.</p> <p>SANDSTONE (20-80%): quartzose, white to very light grey, trace light brownish grey, returned loose, very fine to medium grained, predominantly fine to medium, minor very fine to fine, angular to sub rounded, predominantly sub angular to sub rounded, moderate to high sphericity, well sorted, trace to rare light grey argillaceous matrix, fair inferred porosity. No Shows.</p> <p>CARBONACEOUS CLAYSTONE (20-80%): medium dark grey to dark grey, moderately firm to predominantly firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, abundant carbonaceous material, weakly calcareous.</p> <p>COAL (Tr-10%): as above.</p>
<p>1910-2051 ROP: 20-118 m/hr AV: 62 m/hr</p>	<p>Interbedded sandstone, carbonaceous siltstone and coal; intermittent thick sandstone units up to 8 m thick.</p> <p>SANDSTONE (10-70%): quartzose, very light grey, loose, very fine upper to medium upper, poorly sorted, angular to subangular, with 1-2% coarse to granule transparent subangular quartz.</p> <p>SILTSTONE (30-90%): light to medium brownish grey, soft to mainly firm to moderately hard, subblocky to blocky to subfissile, non calcareous, commonly highly micaceous, commonly with black carbonaceous to coaly microlaminae, with rare pyrite crystalline masses up to coarse sand-size.</p> <p>CLAYSTONE (5-10%): light brown, firm to moderately hard, subfissile, waxy texture, non calcareous.</p> <p>COAL (tr-10%): black, moderately dull to moderately bright, moderately hard to hard, moderately brittle, wavy sheared subfissile fracture, rarely with associated pyrite lenses.</p> <p>At 2030-2040 m, 5% VOLCANICS: very light yellow-orange, firm to moderately hard, flakey, light grey groundmass with extensive clay seams and coatings, non calcareous; inferred eroded from underlying Un-named Volcanics Formation.</p>
<p>2051-2072 ROP: 14-82 m/hr AV: 43 m/hr</p>	<p>Un-named Volcanic Formation.</p> <p>VOLCANICS (15-30%): light grey to light greenish grey, speckled light orange yellow, speckled dark grey, moderately hard, blocky, non calcareous; light grey groundmass, locally apparent with veinlets of light yellow clay, lenses of coarsely crystalline sulphide (galena?) distinct from microcrystalline pyrite masses, locally with randomly oriented acicular grey crystals. No fluorescence.</p> <p>SANDSTONE (10-80%): light grey, loose, fine lower to medium upper, moderately sorted, subangular to rounded, transparent to translucent quartz. Inferred uphole. No fluorescence.</p> <p>SILTSTONE 5-30%): as above.</p>

2072-2091 ROP: 2-43 m/hr AV: 10 m/hr	<p>Hard ?Basalt flows, very low ROP, high resistivity to 2085 m.</p> <p>BASALT (5-10%): dark greenish grey to greenish black, hard, blocky, locally with fine to medium grained phenocrysts distinguishable.</p> <p>VOLCANICS (30-80%): very light grey to pale green, soft, subblocky, non calcareous, rarely with clusters of pyrite crystals.</p> <p>SANDSTONE (5-10%): as above.</p> <p>SILTSTONE (5-10%): as above.</p> <p>CLAYSTONE (tr-10%): very light brown to light olive, firm, subfissile, waxy texture, non calcareous.</p>
2091-2110 ROP: 10-64 m/hr AV: 41 m/hr	<p>Top Chimaera Formation: Interbedded sandstone and siltstone</p> <p>SANDSTONE (35-60%): light grey, loose, bimodal coarse upper to granule, moderately sorted; subordinate fine lower to medium lower, moderately well sorted; subangular to subrounded, rarely well rounded, translucent quartz. No fluorescence.</p> <p>SILTSTONE (20-35%): brownish grey, dark yellowish brown to dusky brown, moderately hard, blocky to subfissile, non calcareous, rarely with carbonaceous microlaminae, grading to claystone.</p>
2110-2132 ROP: 2-81 m/hr AV: 38 m/hr	<p>Sandstone with minor siltstone interbeds; high resistivity at 2120 – 2123 m corresponds to calcite-cemented sandstone.</p> <p>SANDSTONE (45-70%): as above, coarse upper to very coarse upper, rare granules, mainly angular fragments, minor subrounded spheroidal quartz grains; trace medium dark grey metasedimentary lithics. Includes 10% fine to coarse sandstone aggregates, hard angular flakes, strongly calcite cemented, no visible porosity, very bright light yellow direct fluorescence but no cut, inferred calcite mineral fluorescence.</p> <p>SILTSTONE (20-50%): grading to claystone, brownish grey, dark yellowish brown, dusky brown, commonly with carbonaceous material or microlaminae; common loose very coarse sand-sized pyrite nodules.</p> <p>CLAYSTONE (tr-5%): very light brown to light olive, firm, subfissile, waxy texture, non calcareous.</p>

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
1468-2120	Nil hydrocarbon fluorescence, trace mineral fluorescence.
2120-2125	10% very bright, light yellow direct fluorescence from calcite-cemented sandstone, no cut, inferred mineral fluorescence.
2125-2132	Nil hydrocarbon fluorescence, trace mineral fluorescence.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
1468-1590	0.04-0.15	315-1436	3-14	6-10	-	-	-	-
1590-1620	0.06-0.19	514-1650	9-52	9-25	-	-	-	-
1620-1690	0.04-0.57	506-5081	17-212	8-86	-	-	-	-
1690-1760	0.04-0.92	120-9027	17-273	7-85				
1760-1790	0.13-0.53	1034-	32-135	12-35				

		5332						
1790-1910	0.08-0.64	208-5604	0-216	7-62				
1910-2051	0.13-0.50	394-3742	14-341	7-131	0-14	0-23		
2051-2072	0.11-0.20	359-1102	25-105	20-52	0-7	0-24		
2072-2091	0.08-0.17	66-1102	2-105	0-52	0-7	0-12		
2091-2110	0.20-0.32	380-1775	33-133	10-57	1-4	3-10		
2094 peak	0.32	1162	84	39	4	8		
2110-2132	0-08-0.14	41-846	2-39	2-21	0-2	0-5		

SURVEYS

MD	ANGLE	Azi	TVD					
1569.44	0.83	16.38	1569.4					
1599.08	0.79	17.89	1599.0					
1745.75	1.09	4.99	1745.7					
1893.73	1.24	353.25	1893.6					
2040.91	1.64	351.03	2040.8					

COMMENTS:

Sampling interval:

Changed from 30 to 10 m sampling interval at 1500 m per programme. The programmed change from 10 to 5 m sampling interval at 1980 m was delayed to 2055 m because of the high ROP.

Top Un-named Volcanics:

The formation top is picked on the top of a distinctive high-gamma interval, in accord with Longtom-3P.

MWD sensor offsets:

GR: 8.59m
 Resistivity at bit: 4.04 m
 Resistivity Shallow: 9.43m
 Resistivity Medium: 9.30m
 Resistivity Deep: 9.12m
 Directional: 15.42m

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1



Date:	08-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	7	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2352.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	2081.0 mMDRT	ECD:	1.53 SG
Progress:	271 m	Mud Type:	KCL/Polymer
TD Lithology:	Claystone	V: 6 / 3	14/12
Water Depth:	56.3 m	Mud Fluid Loss:	6.0
RT Elevation:	39.9 m	Bit Type:	Smith RSX519M

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Drilled 8 1/2" hole from 2082m to 2352m. Weighted up mud to 1.32 SG in preparation for possible over pressured zones.

06:00 Update

Drilled 8 1/2" hole from 2352m to 2411m. Flow checked drill break at 2408m. Stood back 2 stands in derrick and picked up 6 singles. Continued drilling 8 1/2" hole from 2411m to 2424m.

NEXT 24 HOURS:

Continue to drill 8 1/2" hole to coring point.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
2129-2145 ROP: 3-14 m/hr AV: 8 m/hr	<p>SANDSTONE (15-30%): light grey, loose, bimodal coarse to granule, common angular fragments, otherwise subangular to subrounded; very fine to fine, subangular to subrounded; transparent to translucent quartz, trace dark grey lithics; trace bright fluorescence as above.</p> <p>SILTSTONE (0-70): grading to claystone, brownish grey, dark yellowish brown, dusky brown, commonly with carbonaceous material or microlaminae; common loose very coarse sand-sized pyrite nodules.</p> <p>CLAYSTONE (0-80%): medium light grey to medium grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, minor to common quartz silt, trace disseminated pyrite, trace carbonaceous fragments, non calcareous.</p>
2145-2175 ROP: 4-24 m/hr AV: 10 m/hr	<p>CLAYSTONE (100%): medium grey to medium dark grey, firm, brownish grey in part, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.</p>
2175-2231 ROP: 8-28 m/hr AV: 28 m/hr	<p>Interbedded sandstone and claystone, including thick sandstone beds at 2182.5-2197, 2207-2211 and 2227-2231 m.</p> <p>SANDSTONE (0-90%): quartzose, white to very light grey, trace moderate orange pink, clear to predominantly translucent grains, returned loose, very fine to medium grained, predominantly fine to medium, common very fine, angular to sub rounded, low to moderate sphericity, trace elongate, well sorted, nil to trace</p>

	<p>calcareous cement, trace lithic grains, fair to good inferred porosity. No Shows. CLAYSTONE (10-100%): medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.</p>
<p>2231-2259 ROP: 12-41 m/hr AV: 19 m/hr</p>	<p>CLAYSTONE (100-70%): medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.</p>
<p>2259-2296 ROP: 11-43 m/hr AV: 22 m/hr</p>	<p>Interbedded sandstone, siltstone and claystone, including thick sandstone bed at 2286 - 2296 m.</p> <p>SILTSTONE (30-70%): medium grey to brownish grey, firm to moderately hard, subblocky to blocky, non calcareous, with rare very fine to fine sand, common carbonaceous material and lenses, locally common micromica.</p> <p>SANDSTONE (20-50%): quartzose, very light grey, mainly loose, very fine to medium, moderately sorted, angular to subrounded. Trace very light grey sandstone aggregates, friable, very fine upper to fine lower, well sorted, subangular quartz and rare dark grey lithics; non calcareous, inferred weakly silica cemented, fair visible porosity. No shows.</p> <p>CLAYSTONE (10-20%): medium grey to medium dark grey, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous; minor brownish grey, very pure, flakey, waxy claystone.</p>
<p>2296-2325 ROP: 7-25 m/hr AV: 12 m/hr</p>	<p>Siltstone with few thin cemented sandstone stringers.</p> <p>SILTSTONE (50-70%): medium grey to brownish grey, firm to moderately hard, subblocky to blocky, non calcareous, with rare very fine to fine sand, common carbonaceous material and lenses, locally common micromica.</p> <p>SANDSTONE (5-30%): mainly loose very fine to medium, as above; 5% aggregates, trace very coarse subrounded to rounded quartz grains. No shows. NB: Marked rise in gas baseline at 2293 m.</p>
<p>2325-2358 ROP: 5-13 m/hr AV: 8 m/hr</p>	<p>Claystone.</p> <p>CLAYSTONE (100%): dark grey, firm to moderately hard, subfissile, tabular to elongate cuttings, non calcareous, homogeneous.</p>
<p>2358-2385 ROP: 8-52 m/hr AV: 24 m/hr</p>	<p>Interbedded sandstone and claystone.</p> <p>SANDSTONE (5-20%): light grey, loose, fine lower to medium lower, well sorted, angular to subrounded, transparent to translucent quartz; 5% fine sandstone aggregates, friable to moderately hard, locally tending to rockflour, weakly calcite cemented, poor visible porosity. No shows.</p> <p>SILTSTONE (Tr-5%): medium grey, firm, subblocky, locally very fine sandy, locally with common carbonaceous microlaminae.</p> <p>CLAYSTONE (75-95%): light to medium brownish grey, minor medium grey, mainly firm, subfissile to subblocky, minor soft, subblocky, non calcareous, locally with carbonaceous streaks.</p>

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
2132-2385	Nil hydrocarbon fluorescence, trace mineral fluorescence.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
2129-2145	0.01-0.09	44-149	0-8	0-4	-	-	-	-
2145-2175	0.01-0.02	41-110	0-4	1-5	-	-	-	-
2175-2231	0.01-0.07	47-219	0-4	-	-	-	-	-
2231-2259	0.01-0.03	67-185	1-4	1-4	-	-	-	-
2259-2296	0.02-0.15	85-1629	1-28	1-27	-	-	-	-
2296-2325	0.01-0.18	23-1655	0-31	0-27	0-2	0-1	-	-
2325-2358	0.01-0.20	148-1644	1-21	3-20	1	-	-	-
2358 peak	0.20	1644	21	18	2	1	-	-
2358-2385	0.04-0.15	200-1477	3-22	4-18	0-1	0-2	-	-

SURVEYS

MD	ANGLE	Azi	TVD					
2188.18	1.63	348.05	2188.0					
2395.12	1.70	329.99	2394.8					

COMMENTS:

Admiral Horizon Picks

Correlation of the Top Admiral and sand packages is still in progress.

MWD sensor offsets:

GR: 8.59m
 Resistivity at bit: 4.04 m
 Resistivity Shallow: 9.43m
 Resistivity Medium: 9.30m
 Resistivity Deep: 9.12m
 Directional: 15.42m

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1



Date:	09-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	8	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2450.0 mMDRT	Mud Weight:	1.33 SG
Last Depth:	2352.0 mMDRT	ECD:	n/a
Progress:	98 m	Mud Type:	KCL/Polymer
TD Lithology:	Sandstone/Claystone	V: 6 / 3	14/12
Water Depth:	56.3 m	Mud Fluid Loss:	5.4
RT Elevation:	39.9 m	Bit Type:	Smith RSX519M

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Drilled 8 1/2" hole from 2352m to 2410m. Racked back 2 stands and picked up 6 joints DP to drill further. Drilled from 2410m to 2450m. Circulated and POOH. Made up and RIH coring assembly to 538m.

06:00 Update

Continued RIH with core barrel from 538m to 2421m. Laid down 1 single DP for space-out. Broke circulation and washed down from 2421m to tag bottom at 2450m. Broke pipe, dropped ball and circulated ball down.

NEXT 24 HOURS:

Cut core and POOH with core barrel.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Descriptio
2385-2450 ROP: 6-78 m/hr AV: 23 m/hr	<p>Interbedded Sandstone, Siltstone and Claystone</p> <p>SANDSTONE (Tr-90%): generally as above, quartzose, very light grey, clear to translucent and milky grains, commonly returned loose, friable to firm aggregates, very fine to medium grained, predominantly very fine to fine, rare medium, angular to sub rounded, trace rounded, low to moderate sphericity, well sorted, common white to light brownish grey argillaceous matrix, trace weak calcareous cement, trace black and greenish black lithic grains, trace moderate brown to moderate red lithics, trace weathered feldspar grains, poor to fair visual porosity</p> <p>SILTSTONE (Tr-40%): medium light grey to medium grey, firm, sub blocky to blocky, common medium grey argillaceous matrix, common fine quartz grains, trace weathered feldspar grains, trace carbonaceous fragments, commonly grading to very fine grained argillaceous sandstone.</p> <p>CLAYSTONE (10-100%): medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.</p>

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
2385-2395	Nil hydrocarbon fluorescence, trace mineral fluorescence.
2395-2400	Very weak show: trace very coarse quartz grains with brown staining and siltstone matrix attached yield dull brown direct fluorescence, very slow, diffuse bluish white cut; thin bluish green fluorescing residual ring.
2400-2450	Nil hydrocarbon fluorescence, trace mineral fluorescence.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
2385-2450	0.04-0.24	321-2671	16-38	8-38	0-4	0-7	-	-

SURVEYS

MD	ANGLE	Azi	TVD					
2433.46	1.58	329.48	2433.2					

COMMENTS:

Admiral Formation tops are field picks only, subject to confirmation.

MWD sensor offsets:

GR: 8.59m
 Resistivity at bit: 4.04 m
 Resistivity Shallow: 9.43m
 Resistivity Medium: 9.30m
 Resistivity Deep: 9.12m
 Directional: 15.42m

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1



Date:	10-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	9	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2470.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	2450.0 mMDRT	ECD:	1.64
Progress:	20 m	Mud Type:	KCL/Polymer
TD Lithology:	Claystone	V: 6 / 3	13/11
Water Depth:	56.3 m	Mud Fluid Loss:	6.0
RT Elevation:	39.9 m	Bit Type:	BHC 409Z core-bit

OPERATIONS SUMMARY

24 HOUR SUMMARY	Continued to RIH with core barrel from 538m to 2450m. Cut core from 2450m to 2470m. Broke core off bottom (2hrs).
00:00 - 24:00:	
06:00 Update	Reviewed JSA, flow checked and POOH core assembly from 2470m to 2195m. Flow checked, slugged pipe. Continued POOH core assembly from 2195m to 953m.
NEXT 24 HOURS:	Continue to POOH with core barrel and lay out core and barrel. Pick up new bit and BHA to continue drilling 8 1/2" hole.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
2450-2470 ROP: 0.1-2.6 m/hr AV: 1.4 m/hr	<p>Cuttings while coring: Claystone with subordinate sandstone and siltstone; considerable uphole contamination included 5% pale green volcanics and coal and unknown amounts of sandstone and claystone.</p> <p>CLAYSTONE (70-90%): medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.</p> <p>SANDSTONE (5-20%): quartzose, very light grey, clear to translucent and milky grains, commonly returned loose, friable to firm aggregates, very fine to medium grained, predominantly very fine to fine, rare medium, angular to sub rounded, trace rounded, low to moderate sphericity, well sorted, common white to light brownish grey argillaceous matrix, trace weak calcareous cement, trace black and greenish black lithic grains, trace moderate brown to moderate red lithics, trace weathered feldspar grains, poor to fair inferred porosity. No Shows.</p> <p>SILTSTONE (5-20%): medium light grey to medium grey, firm, sub blocky to blocky, common medium grey argillaceous matrix, common fine quartz grains, trace weathered feldspar grains, trace carbonaceous fragments, commonly grading to very fine grained argillaceous sandstone.</p>

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
2450-2470	No hydrocarbon fluorescence; trace mineral fluorescence.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
2450-2470	0.02-0.03	82-271	1-7	2-7	-	-	-	-

SURVEYS

MD	ANGLE	Azi	TVD					
2433.46	1.58	329.48	2433.2					

COMMENTS:

Admiral Formation tops are field picks only, subject to confirmation.

.

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1

Date:	10-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	10	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2470.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	2470.0 mMDRT	ECD:	n/a
Progress:	0 m	Mud Type:	KCL/Polymer
TD Lithology:	Claystone	V: 6 / 3	13/11
Water Depth:	56.3 m	Mud Fluid Loss:	6.0
RT Elevation:	39.9 m	Bit Type:	Hycalog RSX 616M-D2

OPERATIONS SUMMARY

**24 HOUR SUMMARY
00:00 - 24:00:**

POOH core barrel, broke out core barrel and recovered 19.34m of core - 96.7% recovery. Made up new 8 1/2" bit and BHA and RIH to 1875m picking up 12 joints DP.

06:00 Update

Continued RIH from 1875m to 2450m. Filled string at 2000m. Reamed down cored section from 2450m to 2463m. Greased TDS wash pipe due to small leak, took SCR's. Continued reaming cored section from 2463m to 2470m. Drilled ahead 8 1/2" hole from 2470m to 2523m.

NEXT 24 HOURS:

Drill ahead to TD of well, circulate and POOH for wireline logging.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
2470 – 2480 ROP: 3-29 m/hr AV: 21 m/hr	<p>Claystone with subordinate siltstone</p> <p>CLAYSTONE (75-95%): medium dark grey, firm to moderately hard, subblocky to blocky, non calcareous locally with sparse carbonaceous specks, homogeneous.</p> <p>SILTSTONE (5-20%): medium grey, firm, blocky, non calcareous, with common black carbonaceous material, rarely grading to very fine sandstone.</p>
2480-2492 ROP: 23-35 m/hr AV: 28 m/hr	<p>Siltstone grading down to sandstone</p> <p>SILTSTONE (60-80%): medium grey, slightly olive to greenish, firm, blocky, non calcareous, with common black carbonaceous specks, locally very fine sandy grading to silty very fine sandstone.</p> <p>SANDSTONE (5-25%): quartzose, light grey, 5% loose, very fine lower to fine upper, moderately well sorted, subangular; 20% friable aggregates are argillaceous, weakly calcite cemented, with rare dark olive lithics, common carbonaceous specks, nil to poor visible porosity; rare moderately hard aggregates, moderately calcite cemented, nil visible porosity. No fluorescence.</p>

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
2470-2492	No hydrocarbon fluorescence; no mineral fluorescence.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
2470 trip	0.084							
2470-2480	0.1-0.2	664- 1738	11-29	4-17	1-4	1-3	-	-
2480-2492	0.08-0.17	640- 1644	14-28	8-16	0-4	0-3	-	-

SURVEYS

MD	ANGLE	Azi	TVD					
2433.46	1.58	329.48	2433.2					

COMMENTS:

Admiral Formation tops are field picks only, subject to confirmation.

Core drilled from 2450 – 2469.34 m (19.34 m, 96.7%) recovered from 2450 – 2470 m (20 m).

Core sections:

- 1) 2450 – 2451 m
- 2) 2451 – 2460.05 m
- 3) 2460.05 – 2469.34 m

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1



Date:	12-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	11	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2590.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	2470.0 mMDRT	ECD:	n/a
Progress:	120 m	Mud Type:	KCL/Polymer
TD Lithology:	Volcanics	V: 6 / 3	13/11
Water Depth:	56.3 m	Mud Fluid Loss:	6.0
RT Elevation:	39.9 m	Bit Type:	Hycalog RSX 616M-D2

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

RIH with new 8 1/2" bit from 1875m to 2450m. Reamed cored section from 2450m to 2470m. Continued drilling 8 1/2" hole from 2470m to 2590m. Circulated hole clean and POOH for wireline logging. Back reamed from 2583m to 2374m due to tight hole - jarred pipe free. Continued POOH and racked back BHA to 70m.

06:00 Update

Held JSA and continued to racking back BHA and laying down MWD/LWD tools. Serviced TDS and related equipment. Held JSA and rigged up Schlumberger wireline equipment. Ran wireline log #1: PEX-ECS-HRLA-HNGS-GR

NEXT 24 HOURS:

Continue running wireline log programme.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
2492 – 2525 ROP: 17-72 m/hr AV: 47 m/hr	<p>Sandstone with minor Claystone and Siltstone</p> <p>SANDSTONE (70-100%): quartzose, very light grey to light grey, clear to translucent grains, friable to firm aggregates, very fine to medium grained, predominantly fine, sub angular to sub rounded, trace angular, low to moderate sphericity, well sorted, trace light grey argillaceous matrix, strongly calcite cemented, trace weathered feldspar grains, trace brownish black lithic grains, very poor visual porosity. No Shows.</p> <p>CLAYSTONE (Tr-20%): medium dark grey, firm to moderately hard, homogeneous, subblocky to blocky, trace sparse carbonaceous specks, non calcareous.</p> <p>SILTSTONE (Tr-10%): medium grey, firm, blocky, non calcareous, with common black carbonaceous material, rarely grading to very fine sandstone.</p>
2525-2550 ROP: 18-52 m/hr AV: 35 m/hr	<p>Top Emperor Volcanics</p> <p>VOLCANICS (100%): greyish green to dark greenish grey, trace pale red to pale red purple fragments, trace moderate red, trace white, trace greyish black, moderately hard to hard, brittle, blocky to sub blocky, cryptocrystalline, trace pyrite pale red fragments are microcrystalline and friable.</p>

2550-2590 ROP: 3-76 m/hr AV: 17 m/hr	VOLCANICS (100%): varicoloured greyish green to dark greenish grey, medium dark grey to dark grey, trace pale red to pale red purple fragments, trace moderate red, trace white, trace greyish black, orange red, predominantly shades of green and dark grey, hard to very hard, brittle, blocky to sub blocky, microcrystalline to coarsely crystalline, pale red fragments are microcrystalline and friable, trace white (feldspathic?) grains, trace greyish black lithics, trace chalcedony, trace very coarse very angular quartz grains.
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HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
2492-2590	No hydrocarbon fluorescence; no mineral fluorescence.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
2492-2525	0.10-0.31	706-3001	9-34	7-16	1-6	1-3	-	-
2525-2550	0.09-0.17	682-1532	5-12	6-8	2-3	0-2	-	-
2550-2590	0.03-0.10	102-801	0-6	1-6	0-2	0-1	-	-

SURVEYS

MD	ANGLE	Azi	TVD					
2433.46	1.58	329.48	2433.2					

COMMENTS:

Formation tops are field picks only, subject to confirmation.

TD reached at 1350 Hrs.

WIRELINE LOGGING:

Run 1: PEX-HRLA-ECS-HNGS

Started to rig up at 02:05 hrs, 13 June. Logging up from 06:00 hrs

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1



Date:	13-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	12	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2590.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	2590.0 mMDRT	ECD:	n/a
Progress:	0 m	Mud Type:	KCL/Polymer
TD Lithology:	Volcanics	V: 6 / 3	13/11
Water Depth:	56.3 m	Mud Fluid Loss:	6.0
RT Elevation:	39.9 m	Bit Type:	Hycalog RSX 616M-D2

OPERATIONS SUMMARY

24 HOUR SUMMARY 00:00 - 24:00:	Racked back BHA and laid out MWD/LWD tools. Rigged up Schlumberger wireline and ran logs #1: PEX-HRLA-ECS-HNGS, #2: FMI-DSI-XPT and #3: MDT.
06:00 Update	Ran wireline log #2b: MDT over interval 1994mm to 2525m.
NEXT 24 HOURS:	Continue with Schlumberger wireline logs.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
	No new lithology drilled.

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)

SURVEYS

MD	ANGLE	Azi	TVD					
2433.46	1.58	329.48	2433.2					

COMMENTS:

Formation tops are field picks only, subject to confirmation.

WIRELINE LOGGING:**Run 1: PEX-HRLA-ECS-HNGS**

Started JSA and rig up at 01:50 hrs, finished rig-down 10:00 hrs: 8:10 total.
High-resolution mode PEX and ECS to 2050 m; standard resolution mode to casing shoe.

Run 2: FMI-DSI-XPT

Started to rig-up at 10:00, finished rig-down 22:00, 12:00 total.
FMI and DSI from TD to 2000 m; XPT obtained 7 valid tests, 5 invalid tests before tool failed.
Logged DSI from 2000 m to seafloor.

Run 3: MDT-GR

Started rig up at 22:00 hrs, 13 June. RIH and resume pretests.

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1

Date:	14-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	13	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2590.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	2590.0 mMDRT	ECD:	n/a
Progress:	0 m	Mud Type:	KCL/Polymer
TD Lithology:	Volcanics	V: 6 / 3	13/11
Water Depth:	56.3 m	Mud Fluid Loss:	6.0
RT Elevation:	39.9 m	Bit Type:	Hycalog RSX 616M-D2

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Continued running wireline log #3: MDT(interval 1994m to 2525m), log #4: VSP (interval 2580m to 96m), commenced running log #5: CST.

06:00 Update

Completed wireline log #5: CST. 60 shots taken over interval 2580m to 2025m. POOH.

NEXT 24 HOURS:

Rig down Schlumberger. Pick up cement stinger and RIH to plug back well for abandonment.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
	No new lithology drilled.

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)

SURVEYS

MD	ANGLE	Azi	TVD					
2433.46	1.58	329.48	2433.2					

COMMENTS:

Formation tops are field picks only, subject to confirmation.

WIRELINE LOGGING:

Run 2b: MDT-GR

Started rig up at 22:00 hrs, 13 June. RIH and attempted 27 pretests, 11 of which considered valid. Rigged down 09:40. Total time 11:40 hrs.

Run 3: VSP-GR

Started rig up at 09:40. Carried out 41 seismic tests, four sondes at 15 m spacing per test. Rigged down 22:30. Total time 12:50 hrs.

Run 4: CST-GR

Started rig up at 22:30 hrs, Shot 60 bullets from 2580 to 2020 m.

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

Garfish-1

Date:	15-06-2008	Last Casing:	340 mm (13 3/8") @ 746.5 mMDRT
Report Number:	14	Leak Off Test:	2.09 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	216 mm (8 1/2")
Depth @ 2400 Hrs:	2590.0 mMDRT	Mud Weight:	1.32 SG
Last Depth:	2590.0 mMDRT	ECD:	n/a
Progress:	0 m	Mud Type:	KCL/Polymer
TD Lithology:	Volcanics	V: 6 / 3	13/11
Water Depth:	56.3 m	Mud Fluid Loss:	6.0
RT Elevation:	39.9 m	Bit Type:	Hycalog RSX 616M-D2

OPERATIONS SUMMARY

**24 HOUR SUMMARY
00:00 - 24:00:**

Ran Schlumberger wireline log #4: CST firing 60 shots. RIH with 2.875in stinger and DP to 2308m and circulated bottoms up. Placed balanced cement plugs from 2308m to 2190m and from 2190m to 2100m. Laid down 4 stands DP and tagged top cement plug at 2091m. POOH to 2032m.

06:00 Update

POOH with stinger from 2032m to 908m. Pumped 25bbl hi vis mud and displaced with 52bbl drilling mud. Pulled back 5 stands to 760m. Rigged up for cement plug #3 placing stinger at 768m. Pressure tested lines, mixed and displaced balanced cement plug from 768m to 670m using 55bbl class G cement at 15.9ppg. Pulled back 5 stands to 612m. Circulated bottoms up. POOH from 612m to 464m.

NEXT 24 HOURS:

Continue POOH with stinger, lay out jar, pick up 1 stand HWDP, test cement plug over shoe (2000psi), RIH for top cement plug. Nipple down BOP.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
	No new lithology drilled.

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)

SURVEYS

MD	ANGLE	Azi	TVD					
2433.46	1.58	329.48	2433.2					

COMMENTS:

This is the final Daily Geological Report for Garfish-1

Formation tops are field picks only, subject to confirmation.

WIRELINE LOGGING:

CST recovery: 60 shots, 43 recovered, 16 misfires, 1 empty

WELLSITE GEOLOGISTS: Cliff Menhennitt Bill Leask

APPENDIX 9: CUTTINGS DESCRIPTIONS

Garfish-1 Lithology / Show Descriptions

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
			From mudline to 755m, well drilled without riser, all returns to the seafloor. All depths are MDRT unless otherwise specified. 216mm hole section was drilled with PDC bit. Water based mud system was used.
757	758	100	SPOT: CALCILUTITE: medium grey, soft, subblocky, dispersive, locally with microcrystalline pyrite-rich lenses; loose foraminifera and shell fragments. (forms 20% of sample vs. 80% cement)
755	780	100	CALCILUTITE: medium grey, very soft to soft, amorphous to sub blocky, dispersive, common nodular pyrite, common fossils and shell fragments (Foraminifera), minor crystalline calcite, trace very fine grained quartz, minor medium grey argillaceous matrix.
780	810	100	CALCILUTITE: as above.
810	840	100	CALCILUTITE: as above.
840	870	100	CALCILUTITE: medium grey, very soft to soft, amorphous to sub blocky, dispersive, common nodular pyrite, minor fossils and shell fragments (Foraminifera), trace crystalline calcite, common medium grey argillaceous matrix, grading to argillaceous calcilutite.
870	900	100	CALCILUTITE: as above.
900	930	100	CALCILUTITE: medium grey, very soft to soft, amorphous to sub blocky, dispersive, trace nodular pyrite, common fossils and shell fragments (Foraminifera), minor crystalline calcite, trace very fine grained quartz, common medium grey argillaceous matrix, grading to argillaceous calcilutite.
930	960	100	CALCILUTITE: medium grey, soft, amorphous to sub blocky, dispersive, trace nodular pyrite, minor fossils and shell fragments (Foraminifera), trace crystalline calcite, common medium grey argillaceous matrix, grading to argillaceous calcilutite.
960	990	100	CALCILUTITE: as above.
990	1020	100	CALCILUTITE: as above.
1020	1050	100	ARGILLACEOUS CALCILUTITE: medium grey to medium dark grey, soft to moderately firm, firm in part, sub blocky, dispersive, trace fossils and shell fragments (Foraminifera), trace crystalline calcite, abundant medium grey argillaceous matrix.
1050	1080	100	ARGILLACEOUS CALCILUTITE: as above.
1080	1110	100	ARGILLACEOUS CALCILUTITE: as above.
1110	1140	100	ARGILLACEOUS CALCILUTITE: medium dark olive grey, firm, subblocky to blocky, dispersive, rare but diverse range of planktic and benthic foraminifera, trace bryozoan fragments, trace clusters of pyrite nodules, trace crystalline calcite.
1140	1170	100	ARGILLACEOUS CALCILUTITE: as above.
1170	1200	100	ARGILLACEOUS CALCILUTITE: as above, with marked increase in cuttings size, mainly firm and subblocky, locally moderately hard, slightly more argillaceous.
1200	1230	100	ARGILLACEOUS CALCILUTITE: as above. Spot at 1205 m as above, with soft, highly dispersive aggregates washing to sand-sized calcilutite aggregates and foraminifera.
1230	1260	100	ARGILLACEOUS CALCILUTITE: medium olive to greenish grey, mainly firm, subblocky to blocky, minor soft and moderately hard, with rare foraminifera, trace white, orange or transparent crystalline calcite, trace pyrite encrustation on fracture surfaces,
1260	1290	100	ARGILLACEOUS CALCILUTITE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
1290	1320	100	ARGILLACEOUS CALCILUTITE: medium olive grey, firm, subblocky to blocky, homogeneous, with trace foraminifera, trace pyrite replacing echinoid spines or shell fragments, trace bryozoan fragments, trace orange translucent crystalline calcite.
1320	1350	100	ARGILLACEOUS CALCILUTITE: as above.
1350	1380	100	ARGILLACEOUS CALCILUTITE: medium olive to greenish grey, soft and subblocky to moderately hard and blocky, mainly firm, subblocky, with rare planktic foraminifera, trace pyrite nodule clusters.
1380	1410	100	ARGILLACEOUS CALCILUTITE: as above.
1410	1440	100	ARGILLACEOUS CALCILUTITE: as above; increasingly soft, subblocky, slightly lighter olive grey.
1440	1470	100	ARGILLACEOUS CALCILUTITE: as above, highly dispersive, washing to residue of soft to moderately hard subblocky calcilutite and common foraminifera, trace echinoid spines, trace crystalline pyrite aggregates.
1470	1500	100	ARGILLACEOUS CALCILUTITE grading to CALCAREOUS CLAYSTONE: varying from soft, subblocky, slightly lighter olive grey; to medium dark olive grey, firm, subblocky to blocky, with rare foraminifera, trace pyrite streaks and microlaminae, trace light orange translucent crystalline calcite.
1500	1510	100 Tr	ARGILLACEOUS CALCILUTITE grading to CALCAREOUS CLAYSTONE: as above. GLAUCONITIC CALCARENITE (trace): light olive grey speckled greyish green, firm to moderately hard, subfissile, crystalline, with bioclasts not distinguishable, with common medium to coarse sand-sized impure greyish green glauconite.
1510	1520	100 Tr	ARGILLACEOUS CALCILUTITE grading to CALCAREOUS CLAYSTONE: as above. GLAUCONITIC CALCARENITE: as above.
1520	1530	100 Tr	ARGILLACEOUS CALCILUTITE grading to CALCAREOUS CLAYSTONE: as above. GLAUCONITIC CALCARENITE: as above.
1530	1540	100 Tr	ARGILLACEOUS CALCILUTITE grading to CALCAREOUS CLAYSTONE: as above. GLAUCONITIC CALCARENITE: as above.
1540	1550	100 Tr	ARGILLACEOUS CALCILUTITE grading to CALCAREOUS CLAYSTONE: as above. GLAUCONITIC CALCARENITE: as above.
1550	1560	100 Tr	ARGILLACEOUS CALCILUTITE: light olive grey to medium light grey, medium grey, firm, subblocky to blocky, homogeneous, dispersive, abundant medium light grey argillaceous matrix, grading to Calcareous Claystone. GLAUCONITIC CALCARENITE: as above.
1560	1570	100 Tr	ARGILLACEOUS CALCILUTITE: as above. GLAUCONITIC CALCARENITE: as above.
1570	1580	100	ARGILLACEOUS CALCILUTITE: as above.
1580	1590	100	ARGILLACEOUS CALCILUTITE: as above.
1590	1600	100	FORAMINIFERAL CALCILUTITE: light olive grey to medium light grey, medium grey, firm, subblocky to blocky, dispersive, abundant Foraminifera fine to medium grain size, rare nodular pyrite, abundant medium light grey argillaceous matrix.
1600	1610	100	FORAMINIFERAL CALCILUTITE: as above, increasing nodular pyrite.
1610	1620	100	FORAMINIFERAL CALCILUTITE: light olive grey to medium light grey, medium grey, firm, subblocky to blocky, dispersive, abundant Foraminifera fine to medium grain size, trace larger Foraminifera and fossil fragments, rare nodular pyrite, trace framboidal pyrite, abundant medium light grey argillaceous matrix.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
1620	1630	80	SANDSTONE: quartzose, white to very light grey, clear to translucent grains, trace milky, returned loose, bimodal 60% very coarse to granule, 40% fine to coarse, very coarse to granule grains are very angular to rounded, low to high sphericity, elongate in part, trace pyrite frosting on some rounded grains. Fine to coarse grains are sub angular to rounded, minor angular, moderate to high sphericity, trace pyrite cement, good inferred porosity. No Shows.
		15	FORAMINIFERAL CALCILUTITE: light olive grey to medium light grey, medium grey, firm, subblocky to blocky, dispersive, abundant Foraminifera fine to medium grain size, trace larger Foraminafera and fossil fragments, rare nodular pyrite, trace framboidal pyrite, abundant medium light grey argillaceous matrix.
		5	COAL: brownish black to black, firm, brittle, sub blocky to sub conchoidal fracture, sub vitreous to vitreous lustre.
1630	1640	95	SANDSTONE: quartzose, white to very light grey, trace light brownish grey and pale yellowish orange, returned loose, clear to translucent grains, fine to granule, predominantly coarse to granule, angular to rounded, low to high sphericity, poorly sorted, trace pyrite frosting on some very coarse to granule grains, trace to rare nodular pyrite, trace intergranular pyrite and siliceous cement, trace argillaceous matrix, trace lithic grains, minor bit fractured grains, good inferred porosity. No Shows.
		5	COAL: as above.
1640	1650	100	SANDSTONE: quartzose, white to very light grey, trace light brownish grey and pale yellowish orange, returned loose, clear to translucent grains, coarse to granule, predominantly very coarse to granule, very angular to rounded, predominantly very angular to sub rounded, low to high sphericity, tabular in part, moderately well sorted, trace pyrite frosting on some very coarse to granule grains, trace nodular pyrite, trace argillaceous matrix, trace lithic grains, minor bit fractured grains, good inferred porosity. No Shows.
		Tr	COAL: as above.
1650	1660	100	SANDSTONE: as above.
1660	1670	100	SANDSTONE: as above.
1670	1680	100	SANDSTONE: quartzose, white to very light grey, trace light brownish grey and pale yellowish orange, returned loose, clear to translucent grains, fine to granule, predominantly coarse to granule, abundant fine to coarse, angular to rounded, low to high sphericity, poorly sorted, trace pyrite frosting on some very coarse to granule grains, trace to rare nodular pyrite, good inferred porosity. No Shows.
1680	1690	100	SANDSTONE: as above.
1690	1700	60	SANDSTONE: quartzose, white to very light grey, trace light brownish grey and pale yellowish orange, returned loose, clear to translucent grains, fine to granule, predominantly coarse to granule, abundant fine to coarse, angular to rounded, low to high sphericity, poorly sorted, trace pyrite frosting on some very coarse to granule grains, trace intergranular pyrite and siliceous cement, trace to rare nodular pyrite, good inferred porosity. No Shows.
		40	CALCAREOUS CLAYSTONE: light grey to medium grey, moderately firm to firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, locally abundant, strongly calcareous.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
1700	1710	95	SANDSTONE: quartzose, white to very light grey, trace light brownish grey, returned loose, fine to very coarse, predominantly fine to medium, common coarse to very coarse, angular to rounded, predominantly angular to sub rounded, moderate to high sphericity, poorly sorted, trace pyrite frosting and intergranular cement evident on coarser grains, trace nodular pyrite, trace mica, trace light grey argillaceous matrix, good inferred porosity. No Shows.
		5	COAL: brownish black to black, firm, brittle, sub blocky to sub conchoidal fracture, sub vitreous to vitreous lustre.
1710	1720	90	COAL: brownish black to black, firm, brittle, sub blocky to sub conchoidal fracture, fissile to sub fissile in part, sub vitreous to vitreous lustre.
		10	SANDSTONE: as above.
1720	1730	10	COAL: as above.
		40	SANDSTONE: as above.
		50	CALCAREOUS CLAYSTONE: light grey to medium grey, medium dark grey, moderately firm to firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, locally abundant, moderately to strongly calcareous, grading to Claystone.
1730	1740	30	COAL: generally as above, becoming silty in part.
		40	SANDSTONE: quartzose, white to very light grey, trace light brownish grey, returned loose, fine to very coarse grained, predominantly fine to medium, minor to common coarse to very coarse, angular to rounded, predominantly angular to sub rounded, moderate to high sphericity, poorly sorted, trace light grey argillaceous matrix, good inferred porosity. No Shows.
		30	CALCAREOUS CLAYSTONE: as above.
1740	1750	70	COAL: as above.
		10	SANDSTONE: as above.
		20	CALCAREOUS CLAYSTONE: as above.
1750	1760	40	COAL: as above.
		20	SANDSTONE: as above.
		40	CALCAREOUS CLAYSTONE: generally as above, trace nodular pyrite.
1760	1770	10	COAL: as above.
		70	SANDSTONE: generally as above, fine to medium grained, trace coarse to very coarse, moderately well sorted.
		20	CARBONACEOUS CLAYSTONE: medium dark grey to dark grey, moderately firm to predominantly firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, abundant carbonaceous material, weakly calcareous..
1770	1780	Tr	COAL: as above.
		20	SANDSTONE: as above.
		80	CARBONACEOUS CLAYSTONE: as above.
1780	1790	Tr	COAL: as above.
		80	SANDSTONE: quartzose, white to very light grey, trace light brownish grey, returned loose, very fine to medium grained, predominantly fine to medium, minor very fine to fine, angular to sub rounded, predominantly sub angular to sub rounded, moderate to high sphericity, well sorted, trace to rare light grey argillaceous matrix, fair inferred porosity. No Shows.
		20	CARBONACEOUS CLAYSTONE: as above.
1790	1800	70	CLAYSTONE: medium dark grey to dark grey, moderately firm to predominantly firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, common carbonaceous fragments, weakly calcareous.
		30	SANDSTONE: as above.
		Tr	COAL: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
1800	1810	70	CLAYSTONE: brownish grey to dark grey, moderately firm to predominantly firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, common carbonaceous fragments, weakly calcareous.
		30	SANDSTONE: quartzose, white to very light grey, trace light brownish grey, returned loose, fine to very coarse grained, predominantly medium to coarse, minor fine, angular to sub rounded, predominantly sub angular to sub rounded, moderate to high sphericity, well sorted, trace to rare light grey argillaceous matrix, fair inferred porosity. No Shows.
		Tr	COAL: brownish black to black, firm, brittle, sub blocky to sub conchoidal fracture, sub vitreous to vitreous lustre.
1810	1820	45	CLAYSTONE: medium dark grey to dark grey, moderately firm to predominantly firm, sub blocky to blocky, slightly dispersive, minor disseminated pyrite, common carbonaceous fragments, weakly calcareous.
		55	SANDSTONE: quartzose, white to very light grey, trace light brownish grey, returned loose, very fine to medium grained, predominantly fine to medium, minor very fine to fine, angular to sub rounded, predominantly sub angular to sub rounded, moderate to high sphericity, well sorted, trace to rare light grey argillaceous matrix, fair inferred porosity. No Shows.
1820	1830	30	CLAYSTONE: as above.
		70	SANDSTONE: generally as above, trace coarse and very coarse grains
1830	1840	40	CLAYSTONE: as above.
		60	SANDSTONE: generally as above, trace coarse and very coarse grains. *Note: very poor sample due to flushing of possum belly, estimate only.
1840	1850	30	CLAYSTONE: as above.
		70	SANDSTONE: generally as above, trace coarse and very coarse grains
1850	1860	70	SANDSTONE: quartzose, white to very light grey, trace light brownish grey, returned loose, very fine to medium grained, predominantly fine to medium, minor very fine to fine, angular to sub rounded, predominantly sub angular to sub rounded, moderate to high sphericity, well sorted, trace to rare light grey argillaceous matrix, fair inferred porosity. No Shows.
		30	CLAYSTONE: medium light grey to medium grey, firm, sub blocky to blocky, slightly dispersive, trace to rare silt, trace nodular and disseminated pyrite, trace carbonaceous wisps and fragments, non calcareous.
1860	1870	90	SANDSTONE: as above.
		10	CLAYSTONE: as above.
1870	1880	20	SANDSTONE: as above.
		80	CLAYSTONE: as above.
1880	1890	10	SANDSTONE: as above.
		90	CLAYSTONE: generally as above, common nodular pyrite.
1890	1900	30	SANDSTONE: as above.
		70	CLAYSTONE: generally as above, common nodular pyrite.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
1900	1910	20 30 40 10	SANDSTONE: quartzose, very light grey, loose, very fine upper to medium upper, poorly sorted, angular to subangular, with 1-2% coarse to granule transparent subangular quartz. SILTSTONE: light to medium brownish grey, soft to mainly firm to moderately hard, subblocky to blocky, non calcareous, commonly highly micaceous, commonly with black carbonaceous to coaly microlaminae, common nodular to irregular pyrite masses. CLAYSTONE: as above, also rare light brown, subfissile. COAL: black, moderately dull to moderately bright, moderately hard to hard, moderately brittle, wavy sheared subfissile fracture, rarely with associated pyrite lenses.
1910	1920	25 65 10 Tr	SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above. COAL: as above
1920	1930	10 80 10 Tr	SANDSTONE: as above. SILTSTONE: as above, typically brownish grey, firm, subfissile, non calcareous, commonly highly micaceous, variably carbonaceous, with rare pyrite crystalline masses up to coarse sand-size. CLAYSTONE: as above. COAL: black, dull, moderately hard, more blocky.
1930	1940	20 75 5 Tr	SANDSTONE: as above; trace white very fine sandstone aggregates, friable, quartzose, very well sorted, subangular quartz, good visible porosity, no direct or cut fluorescence. SILTSTONE: as above. CLAYSTONE: as above. COAL: as above
1940	1950	25 65 10 Tr	SANDSTONE: quartzose, very light grey, loose, bimodal 1) very fine upper to medium lower, poorly sorted; 2) coarse upper to granule, moderately sorted, subangular to subrounded, subspheroidal transparent to translucent quartz, trace rounded medium dark grey lithics. SILTSTONE: as above, very light to dark brownish grey CLAYSTONE: light brown, firm to moderately hard, subfissile, non calcareous. COAL: as above.
1950	1960	70 30 Tr Tr	SANDSTONE: as above SILTSTONE: as above, very light to dark brownish grey CLAYSTONE: light brown, firm to moderately hard, subfissile, non calcareous. COAL: as above.
1960	1970	20 70 10 Tr	SANDSTONE: as above; rare very fine sandstone aggregates. SILTSTONE: as above. CLAYSTONE: as above. COAL: as above.
1970	1980	20 70 10 Tr	SANDSTONE: as above; SILTSTONE: as above. CLAYSTONE: as above. COAL: as above.
1980	1985		missed

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
1985	1990	60	SANDSTONE: as above, dominantly loose coarse upper to granule, subrounded, rarely rounded, translucent quartz and trace subangular dark grey lithics; subordinate very poorly sorted very fine upper to coarse sand fraction, subangular to subrounded, rarely well rounded quartz; rare white to light grey, moderately hard, silty fine to very fine sandstone aggregates, locally with common carbonaceous microlaminae.
		35	SILTSTONE: brownish grey to greyish brown, firm to moderately hard, subfissile to subblocky, with abundant very fine carbonaceous specks, non calcareous, rarely with lenses of microcrystalline pyrite.
		5	CLAYSTONE: very light brown, firm, subfissile, non calcareous.
		Tr	COAL: as above.
1990	1995		missed
1995	2000	10	SANDSTONE: as above;.
		85	SILTSTONE: as above.
		5	CLAYSTONE: as above.
		5	COAL: black, moderately hard to hard, brittle, moderately dull to bright, conchoidal to subfissile.
2000	2005		missed
2005	2010	25	SANDSTONE: light grey, loose, very fine upper to medium lower, with rare very coarse grains, subangular to subrounded, transparent to translucent quartz.
		70	SILTSTONE: as above.
		5	CLAYSTONE: as above.
		tr	COAL: as above.
2010	2015		missed
2015	2020	10	SANDSTONE: as above;.
		90	SILTSTONE: as above.
		tr	CLAYSTONE: as above.
		tr	COAL: as above.
2020	2025		missed
2025	2030	50	SANDSTONE: as above;.
		50	SILTSTONE: as above.
		tr	CLAYSTONE: as above.
		tr	COAL: as above.
2030	2035		missed
2035	2040	5	VOLCANICS: very light yellow-orange, firm to moderately hard, flakey, light grey groundmass with extensive clay seams and coatings, non calcareous.
		65	SANDSTONE: as above; trace sandstone aggregate, very hard, medium grained subangular quartz strongly cemented by pyrite.
		30	SILTSTONE: as above.
		tr	CLAYSTONE: as above.
		tr	COAL: as above.
2040	2045		missed
2045	2050		missed

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2050	2055	20 50 30	VOLCANICS: light grey to light greenish grey, speckled light orange yellow, speckled dark grey, moderately hard, blocky, non calcareous; light grey groundmass, locally apparent with veinlets of light yellow clay, lenses of sulphide (pyrite only?), locally with randomly oriented acicular grey crystals. No fluorescence. SANDSTONE: as above;. SILTSTONE: brownish grey to dusky brown, firm to moderately hard, subblocky to blocky, locally highly micaceous, locally carbonaceous, with rare carbonaceous microlaminae.
2055	2060	85 10 5	VOLCANICS: as above; trace coarsely crystalline ?galena, microcrystalline pyrite masses. SANDSTONE: as above;. SILTSTONE: as above.
2060	2065		missed
2065	2070	15 80 5	VOLCANICS: as above. SANDSTONE: light grey, loose, fine lower to medium upper, moderately sorted, subangular to rounded, transparent to translucent quartz. SILTSTONE: dark brownish grey, blocky, moderately hard, with common fine carbonaceous material and coaly lenses.
2070	2075	10 30 55 5	BASALT: dark greenish grey to greenish black, hard, blocky, locally with fine to medium grained phenocrysts distinguishable. VOLCANICS: light yellow, light greenish grey as above. SANDSTONE: as above. SILTSTONE: as above.
2075	2080	5 65 10 10 10	BASALT: as above. VOLCANICS: as above. SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: very light brown to light olive, firm, subfissile, waxy texture, non calcareous.
2080	2085	5 80 5 5 5	BASALT: as above. VOLCANICS: very light grey to pale green, soft, subblocky, non calcareous, rarely with clusters of pyrite crystals. SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above.
2085	2090	tr 90 tr 5 5	BASALT: as above. VOLCANICS: as above. SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above.
2090	2095	60 5 30 5	VOLCANICS: as above. SANDSTONE: light grey, loose, very fine upper to fine upper, well sorted, with trace very coarse grains, subangular to subrounded, transparent to translucent quartz. SILTSTONE: brownish grey, dark yellowish brown to dusky brown, moderately hard, blocky to subfissile, non calcareous, rarely with carbonaceous microlaminae, grading to claystone. CLAYSTONE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2095	2100	35 35 20 10	VOLCANICS: as above. SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above, medium grey, fissile, in part; pale yellowish brown, very soft, amorphous in coarse sieve, underrepresented in fine sieve.
2100	2105	5 55 35 5	VOLCANICS: as above. SANDSTONE: light grey, loose, bimodal coarse upper to granule, moderately sorted; subordinate fine lower to medium lower, moderately well sorted; subangular to subrounded, rarely well rounded, translucent quartz. SILTSTONE: as above, grading to claystone. CLAYSTONE: as above, medium grey, fissile, in part.
2105	2110	tr 60 35 5	VOLCANICS: as above. SANDSTONE: as above. SILTSTONE: as above, grading to claystone. CLAYSTONE: as above, medium grey, fissile, in part.
2110	2115	45 50 5	SANDSTONE: light grey, loose dominantly coarse upper to very coarse upper, rare granule, angular fragments to subspheroidal subrounded quartz grains; minor fine to medium grained fraction. SILTSTONE: as above, grading to claystone. CLAYSTONE: as above, medium grey, fissile, in part.
2115	2120	65 35 5	SANDSTONE: as above. SILTSTONE: as above, grading to claystone. CLAYSTONE: as above.
2120	2125	70 30	SANDSTONE: as above, coarse upper to very coarse upper, rare granules, mainly angular fragments, minor subrounded spheroidal quartz grains; trace medium dark grey metasedimentary lithics. Includes 10% fine to coarse sandstone aggregates, hard angular flakes, strongly calcite cemented, no visible porosity, very bright light yellow direct fluorescence but no cut , inferred calcite mineral fluorescence. SILTSTONE: grading to claystone, brownish grey, dark yellowish brown, dusky brown, commonly with carbonaceous material or microlaminae; common loose very coarse sand-sized pyrite nodules.
2125	2130	75 20 5	SANDSTONE: as above; includes 2% sandstone with bright fluorescence as above. SILTSTONE: as above. CLAYSTONE: as above.
2130	2135	20 70 10	SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above.
2135	2140	15 5 80	SANDSTONE: light grey, loose, bimodal coarse to granule, common angular fragments, otherwise subangular to subrounded; very fine to fine, subangular to subrounded; transparent to translucent quartz, trace dark grey lithics; trace bright fluorescence as above. SILTSTONE: as above. CLAYSTONE: medium light grey to medium grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, minor to common quartz silt, trace disseminated pyrite, trace carbonaceous fragments, non calcareous.
2140	2145	70 30	CLAYSTONE: as above. SANDSTONE: as above

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2145	2150	100	CLAYSTONE: medium grey to medium dark grey, firm, brownish grey in part, sub blocky to blocky, trace quartz silt, trace disseminated pyrite, trace carbonaceous fragments, non calcareous.
2150	2155	100	CLAYSTONE: as above.
2155	2160	100	CLAYSTONE: as above.
2160	2165	100	CLAYSTONE: generally as above, trace coaly laminae.
2165	2170	100	CLAYSTONE: medium grey to medium dark grey, firm, brownish grey in part, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.
2170	2175	100	CLAYSTONE: as above.
2175	2180	60 40	CLAYSTONE: as above. SANDSTONE: quartzose, white to very light grey, trace moderate orange pink, clear to predominantly translucent grains, returned loose, very fine to medium grained, predominantly fine to medium, common very fine, angular to sub rounded, low to moderate sphericity, well sorted, trace calcareous cement, trace lithic grains, fair to good inferred porosity. No Shows.
2180	2185	20 80	CLAYSTONE: as above. SANDSTONE: generally as above, minor coarse to granule grains, possibly cavings from overlying Latrobe Group sands. Samples also contain cavings from overlying volcanic.
2185	2190	40 60	CLAYSTONE: as above. SANDSTONE: as above.
2190	2195	40 60	CLAYSTONE: as above. SANDSTONE: as above.
2195	2200	100	CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.
2200	2205	90 10	SANDSTONE: quartzose, white to very light grey, trace moderate orange pink, clear to predominantly translucent grains, returned loose, very fine to medium grained, predominantly fine to medium, common very fine, angular to sub rounded, low to moderate sphericity, trace elongate, well sorted, nil to trace calcareous cement, trace lithic grains, fair to good inferred porosity. No Shows. CLAYSTONE: as above.
2205	2210	90 10	SANDSTONE: quartzose, white to very light grey, trace moderate orange pink, clear to predominantly translucent grains, returned loose, very fine to coarse grained, predominantly fine to medium, common very fine, minor coarse, very angular to sub rounded, predominantly angular to sub rounded, low to moderate sphericity, trace elongate, moderately well sorted, nil to trace calcareous cement, trace lithic grains, fair to good inferred porosity. No Shows. CLAYSTONE: as above.
2210	2215	60 40	CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous. SANDSTONE: as above.
2215	2220	100	CLAYSTONE: as above.
2220	2225	70 30	SANDSTONE: quartzose, white to very light grey, trace moderate orange pink, clear to predominantly translucent grains, returned loose, very fine to medium grained, predominantly fine to medium, common very fine, angular to sub rounded, low to moderate sphericity, trace elongate, well sorted, nil to trace calcareous cement, trace lithic grains, fair to good inferred porosity. No Shows. CLAYSTONE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2225	2230	90	CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.
		10	SANDSTONE: quartzose, white to very light grey, trace moderate orange pink, clear to predominantly translucent grains, returned loose, very fine to coarse grained, predominantly fine to medium, common very fine, minor coarse, very angular to sub rounded, predominantly angular to sub rounded, low to moderate sphericity, trace elongate, moderately well sorted, nil to trace calcareous cement, trace lithic grains, fair to good inferred porosity. No Shows.
2230	2235	100	CLAYSTONE: as above.
2235	2240	100	CLAYSTONE: as above.
2240	2245	100	CLAYSTONE: as above.
2245	2250	100	CLAYSTONE: as above.
2250	2255	100	CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.
2255	2260	100	CLAYSTONE: as above.
2260	2265	95	CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.
		5	SANDSTONE: quartzose, white to very light grey, trace moderate orange pink, clear to predominantly translucent grains, returned loose, very fine to medium grained, predominantly fine to medium, common very fine, angular to sub rounded, low to moderate sphericity, trace elongate, well sorted, nil to trace calcareous cement, trace lithic grains, fair to good inferred porosity. No Shows.
2265	2270	70	CLAYSTONE: as above.
		30	SANDSTONE: generally as above, trace nodular pyrite.
2270	2275	80	CLAYSTONE: as above.
		20	SANDSTONE: as above.
2275	2280	20	CLAYSTONE: as above; minor brownish grey, very pure, flakey, waxy claystone.
		30	SILTSTONE: medium grey to brownish grey, firm to moderately hard, subblocky to blocky, non calcareous, with rare very fine to fine sand, common carbonaceous material and lenses, locally common micromica.
		50	SANDSTONE: mainly loose, as above. Trace very light grey sandstone aggregates, friable, very fine upper to fine lower, well sorted, subangular quartz and rare dark grey lithics; non calcareous, inferred weakly silica cemented, fair visible porosity. No shows.
2280	2285	20	CLAYSTONE: as above.
		30	SILTSTONE: as above; trace loose pyrite cubes and crystal aggregates coarse to granule-sized.
		50	SANDSTONE: as above.
2285	2290	20	CLAYSTONE: as above.
		40	SILTSTONE: as above.
		40	SANDSTONE: as above; mainly loose; 5% aggregates, trace very coarse subrounded to rounded quartz grains.
2290	2295	10	CLAYSTONE: as above.
		70	SILTSTONE: as above.
		20	SANDSTONE: as above;

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2295	2300	5 60 35	CLAYSTONE: as above. SILTSTONE: as above. SANDSTONE: as above.
2300	2305	10 70 20 tr	CLAYSTONE: as above. SILTSTONE: as above. SANDSTONE: as above. COAL: black to brownish black, firm to moderately hard, fissile, shaley, probably uphole contamination.
2305	2310	15 50 30 5	CLAYSTONE: as above, possibly dispersive and under-represented in fine sieve. SILTSTONE: as above, grading to claystone. SANDSTONE: as above. COAL: as above.
2310	2315	20 55 25 tr	CLAYSTONE: as above. SILTSTONE: as above, grading to claystone. SANDSTONE: as above. COAL: as above.
2315	2320	20 55 25 tr	CLAYSTONE: medium dark grey, firm to moderately hard, subfissile, tabular to elongate cuttings, non calcareous, homogeneous. SILTSTONE: as above, grading to claystone; samples in general difficult to wash cleanly, probably with claystone dispersing and washing out. SANDSTONE: as above, inferred uphole contamination. COAL: as above.
2320	2325	60 35 5 tr	CLAYSTONE: as above. SILTSTONE: as above, grading to claystone. SANDSTONE: as above. COAL: as above.
2325	2330	90 5 5	CLAYSTONE: as above. SILTSTONE: as above. SANDSTONE: as above.
2330	2335	100 tr tr	CLAYSTONE: dark grey, firm to moderately hard, subfissile, tabular to elongate cuttings, non calcareous, homogeneous; trace light brown claystone probably uphole. SILTSTONE: as above. SANDSTONE: as above.
2335	2340	100	CLAYSTONE: as above.
2340	2345	100 tr	CLAYSTONE: as above, dark grey, and light brownish grey to medium grey, firm, rarely moderately hard, subblocky to subfissile, non calcareous. SILTSTONE: medium grey to brownish grey, firm, subblocky, with common very fine carbonaceous material.
2345	2350	100	CLAYSTONE: as above.
2350	2355	100	CLAYSTONE: as above, dominantly light to medium brownish grey.
2355	2360	5 95	SANDSTONE: light grey, loose, very fine lower to medium upper, trace coarse, moderately sorted, angular to subrounded, transparent to translucent quartz. CLAYSTONE: light to medium brownish grey, minor medium grey, mainly firm, subfissile to subblocky, minor soft, subblocky, non calcareous, locally with carbonaceous streaks.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2360	2365	20 5 75	SANDSTONE: light grey, loose, fine lower to medium lower, well sorted, angular to subrounded, transparent to translucent quartz; 5% fine sandstone aggregates, friable to moderately hard, locally tending to rockflour, weakly calcite cemented, poor visible porosity. No shows. SILTSTONE: medium grey, firm, subblocky, locally very fine sandy, locally with common carbonaceous microlaminae. CLAYSTONE: light to medium brownish grey, minor medium grey, mainly firm, subfissile to subblocky, minor soft, subblocky, non calcareous, locally with carbonaceous streaks.
2365	2370	10 tr 90	SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: dominantly light brownish grey, soft to firm subblocky, non calcareous.
2370	2375	10 tr 90	SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above.
2375	2380	10 tr 90	SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above.
2380	2385	5 tr 95	SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above.
2385	2390	5 Tr 95	SANDSTONE: as above. SILTSTONE: medium brownish grey, firm, subblocky to blocky, with common very fine sand, common to abundant black carbonaceous specks, non calcareous. CLAYSTONE: as above.
2390	2395	15 Tr 85	SANDSTONE: light grey, loose, very fine upper to medium lower, moderately sorted, subangular to rounded, transparent to translucent quartz; trace very coarse, rounded, subspheroidal quartz grains; no aggregates. SILTSTONE: as above. CLAYSTONE: as above.
2395	2400	Tr Tr 100	SANDSTONE: as above. SILTSTONE: as above. CLAYSTONE: as above. Very weak show: trace very coarse quartz grains with brown staining and siltstone matrix attached yield dull brown direct fluorescence, very slow, diffuse bluish white cut; thin bluish green fluorescing residual ring.
2400	2405	70 30 Tr	SANDSTONE: quartzose, very light grey, clear to translucent and milky grains, friable to firm aggregates, very fine to medium grained, predominantly very fine to fine, rare medium, angular to sub rounded, trace rounded, low to moderate sphericity, well sorted, common white to light brownish grey argillaceous matrix, trace weak calcareous cement, trace black and greenish black lithic grains, trace weathered feldspar grains, poor to fair inferred porosity. CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous. SILTSTONE: as above. *Samples contain common quartz rock flour and cavings
2405	2410	60 40 Tr	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2410	2415	60	SANDSTONE: quartzose, very light grey, clear to translucent and milky grains, commonly returned loose, friable to firm aggregates, very fine to medium grained, predominantly very fine to fine, rare medium, angular to sub rounded, trace rounded, low to moderate sphericity, well sorted, common white to light brownish grey argillaceous matrix, trace weak calcareous cement, trace black and greenish black lithic grains, trace weathered feldspar grains, poor to fair inferred porosity
		30	SILTSTONE: medium light grey to medium grey, firm, sub blocky to blocky, common medium grey argillaceous matrix, common fine quartz grains, trace weathered feldspar grains, trace carbonaceous fragments, grading to argillaceous arenite.
		10	CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.
2415	2420	80	SANDSTONE: as above.
		10	SILTSTONE: as above.
		10	CLAYSTONE: as above.
2420	2425	5	SANDSTONE: as above.
		10	SILTSTONE: as above.
		85	CLAYSTONE: as above.
2425	2430	60	CLAYSTONE: medium grey to medium dark grey, light brownish grey to brownish grey in part, firm, sub blocky to blocky, trace quartz silt, trace disseminated and nodular pyrite, trace carbonaceous fragments, non calcareous.
		40	SILTSTONE: medium light grey to medium grey, firm, sub blocky to blocky, common medium grey argillaceous matrix, common fine quartz grains, trace weathered feldspar grains, trace carbonaceous fragments, commonly grading to very fine grained argillaceous sandstone.
2430	2435	90	CLAYSTONE: as above.
		10	SILTSTONE: as above.
2435	2440	70	CLAYSTONE: as above.
		10	SILTSTONE: as above.
		20	SANDSTONE: generally as above, quartzose, very light grey, clear to translucent and milky grains, commonly returned loose, friable to firm aggregates, very fine to medium grained, predominantly very fine to fine, rare medium, angular to sub rounded, trace rounded, low to moderate sphericity, well sorted, common white to light brownish grey argillaceous matrix, trace weak calcareous cement, trace black and greenish black lithic grains, trace moderate brown to moderate red lithics, trace weathered feldspar grains, poor to fair inferred porosity
2440	2445	90	SANDSTONE: as above.
		10	CLAYSTONE: as above.
		Tr	SILTSTONE: as above.
2445	2450	70	SANDSTONE: as above.
		20	CLAYSTONE: as above.
		10	SILTSTONE: as above.
			2450mMDRT POOH to cut core.
2450	2450.5	70	SANDSTONE: as above.
		15	CLAYSTONE: as above.
		15	SILTSTONE: as above.
			VOLCANICS: pale green angular pebble-sized cavings
2450.5	2451	60	SANDSTONE: as above.
		20	CLAYSTONE: as above.
		20	SILTSTONE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2451	2451.5	20 30 20	SANDSTONE: as above. CLAYSTONE: mainly light brown, soft, amorphous. SILTSTONE: mainly dark grey, locally carbonaceous, grading to claystone.
2451.5	2452	10 60 30	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2452	2452.5	30 30 40	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2452.5	2453	40 40 20	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2453	2453.5	15 75 10	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2453.5	2454	15 75 10	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2454	2454.5	15 75 10	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2454.5	2455	20 70 10	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2455	2455.5	20 50 30	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2455.5	2456	10 80 10	SANDSTONE: as above. CLAYSTONE: light brown and medium grey SILTSTONE: as above.
2456	2456.5	20 75 5	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2456.5	2457	40 60 10	SANDSTONE: as above. CLAYSTONE: as above. SILTSTONE: as above.
2457	2457.5	10 85 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2457.5	2458	10 70 20	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above. General comment: wide range of lithologies includes uphole contamination by angular cavings of green and orange weathered volcanic, bright coal, etc.
2458	2458.5	10 80 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2458.5	2459	10 80 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2459	2459.5	15 75 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above. At least 5% uphole contamination (pale green volcanics, coal etc)
2459.5	2460		Missed – no returns at shakers
2460	2460.5	20 75 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2460.5	2461	20 75 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2461	2461.5	20 70 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2461.5	2462	20 70 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2462	2462.5	20 70 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2462.5	2463	15 75 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2463	2463.5	10 70 20	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2463.5	2464	10 70 20	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2464	2464.5	10 70 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above. At least 5% uphole contamination (pale green volcanics, coal etc)
2464.5	2465	5 85 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2465	2465.5	5 85 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2465.5	2466	5 85 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2466	2466.5	5 90 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2466.5	2467	10 85 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2467	2467.5	5 90 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2467.5	2468	10 85 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2468	2468.5	20 70 10	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2468.5	2469	5 90 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above. At least 5% uphole contamination (pale green volcanics, coal etc)
2469	2469.5	5 90 5	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above. At least 5-10% uphole contamination (pale green volcanics, coal etc)
			2470 m: Resumed drilling 8-1/2" hole with PDC Hycalog RSX616M bit.
2469.5	2470	5 85 10	SANDSTONE: light grey, loose, very fine to coarse, angular to subrounded, subspherical quartz. CLAYSTONE: medium dark grey, firm to moderately hard, subblocky to blocky, non calcareous locally with sparse carbonaceous specks, homogeneous. SILTSTONE: medium grey, firm, blocky, non calcareous, with common black carbonaceous material, rarely grading to very fine sandstone. Lot of uphole contamination.
2470	2475	95 5	CLAYSTONE: as above SILTSTONE: as above.
2475	2480	5 75 20	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.
2480	2485	5 15 80	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: medium grey, slightly olive to greenish, firm, blocky, non calcareous, with common black carbonaceous specks, locally very fine sandy grading to silty very fine sandstone.
2485	2490	25 15 60	SANDSTONE: quartzose, light grey, 5% loose, very fine lower to fine upper, moderately well sorted, subangular; 20% friable aggregates are argillaceous, weakly calcite cemented, with rare dark olive lithics, common carbonaceous specks, nil to poor visible porosity; rare moderately hard aggregates, moderately calcite cemented, nil visible porosity. No fluorescence. CLAYSTONE: as above SILTSTONE: as above.
2490	2495	20 20 60	SANDSTONE: as above. CLAYSTONE: as above SILTSTONE: as above.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2495	2500	70	SANDSTONE: quartzose, very light grey to light grey, clear to translucent grains, friable to firm aggregates, very fine to medium grained, predominantly fine, sub angular to sub rounded, trace angular, low to moderate sphericity, well sorted, trace light grey argillaceous matrix, strongly calcite cemented, trace weathered feldspar grains, trace brownish black lithic grains, very poor visual porosity. No Shows.
		20	CLAYSTONE: medium dark grey, firm to moderately hard, homogeneous, subblocky to blocky, trace sparse carbonaceous specks, non calcareous.
		10	SILTSTONE: medium grey, firm, blocky, non calcareous, with common black carbonaceous material, rarely grading to very fine sandstone.
2500	2505	100	SANDSTONE: quartzose, very light grey to light grey, clear to translucent grains, trace milky, predominantly returned loose, minor friable to firm aggregates, very fine to medium grained, predominantly fine, sub angular to sub rounded, trace angular, low to moderate sphericity, well sorted, trace light grey argillaceous matrix, strongly calcite cemented, trace weathered feldspar grains, trace brownish black lithic grains, poor visual porosity. No Shows.
		Tr	CLAYSTONE: as above.
		Tr	SILTSTONE: as above.
2505	2510	100	SANDSTONE: generally as above, trace very coarse quartz grains, trace nodular pyrite and intergranular pyrite cement.
2510	2515	100	SANDSTONE: as above, trace coarse light red to moderate reddish orange grains.
2515	2520	100	SANDSTONE: quartzose, very light grey to light grey, clear to translucent grains, trace milky, predominantly returned loose, minor friable to firm aggregates, very fine to medium grained, predominantly fine, sub angular to sub rounded, trace angular, low to moderate sphericity, well sorted, trace light grey argillaceous matrix, calcite cemented in aggregates, trace weathered feldspar grains, trace brownish black lithic grains, very poor visual porosity. No Shows.
2520	2525	100	SANDSTONE: quartzose, very light grey to light grey, clear to translucent grains, trace milky, trace moderate red stained, predominantly returned loose, minor friable to firm aggregates, very fine to very coarse grained, predominantly fine to medium, trace coarse to very coarse, sub angular to sub rounded, trace angular, very angular and fractured in coarser grains, low to moderate sphericity, well sorted, trace light grey argillaceous matrix, calcite cemented in aggregates, trace weathered feldspar grains, trace brownish black lithic grains, very poor visual porosity. No Shows.
2525	2530	70	VOLCANICS: greyish green to dark greenish grey, trace pale red to pale red purple fragments, trace moderate red, trace white, trace greyish black, moderately hard to hard, brittle, blocky to sub blocky, cryptocrystalline, trace pyrite pale red fragments are microcrystalline and friable,
		30	SANDSTONE: as above.
2530	2535	80	VOLCANICS: generally as above, becoming microcrystalline to crystalline.
		20	SANDSTONE: as above.
2535	2540	100	VOLCANICS: greyish green to dark greenish grey, trace pale red to pale red purple fragments, trace moderate red, trace white, trace greyish black, orange red, hard, brittle, blocky to sub blocky, microcrystalline to crystalline, pale red fragments are microcrystalline and friable, trace white (feldspathic?) shards, trace greyish black lithics, trace chalcedony, trace very coarse very angular quartz grains..
2540	2545	100	VOLCANICS: as above, trace nodular pyrite.
2545	2550	100	VOLCANICS: as above, trace jasper.

Interval (m)		Lithology / Show Description	
From	To	%	
			Garfish-1 Spudded May 28th 2008.
2550	2555	100	VOLCANICS: varicoloured greyish green to dark greenish grey, medium dark grey to dark grey, trace pale red to pale red purple fragments, trace moderate red, trace white, trace greyish black, orange red, predominantly shades of green and dark grey, hard to very hard, brittle, blocky to sub blocky, microcrystalline to coarsely crystalline, pale red fragments are microcrystalline and friable, trace white (feldspathic?) grains, trace greyish black lithics, trace chalcedony, trace very coarse very angular quartz grains..
2555	2560	100	VOLCANICS: as above
2560	2565	100	VOLCANICS: as above
2565	2570	100	VOLCANICS: as above
2570	2575	100	VOLCANICS: as above
2575	2580	100	VOLCANICS: as above
2580	2585	100	VOLCANICS: as above; including trace fragment of a well rounded granule.
2585	2590	100	VOLCANICS: as above
			TD 2590.00 mMDRT (2589.66 mTVDR = 2549.76 mTVDS) reached at 13:50 hrs on 12 June 2008

APPENDIX 10: DIRECTIONAL DRILLING AND LWD END OF WELL REPORT

Schlumberger



Garfish-1

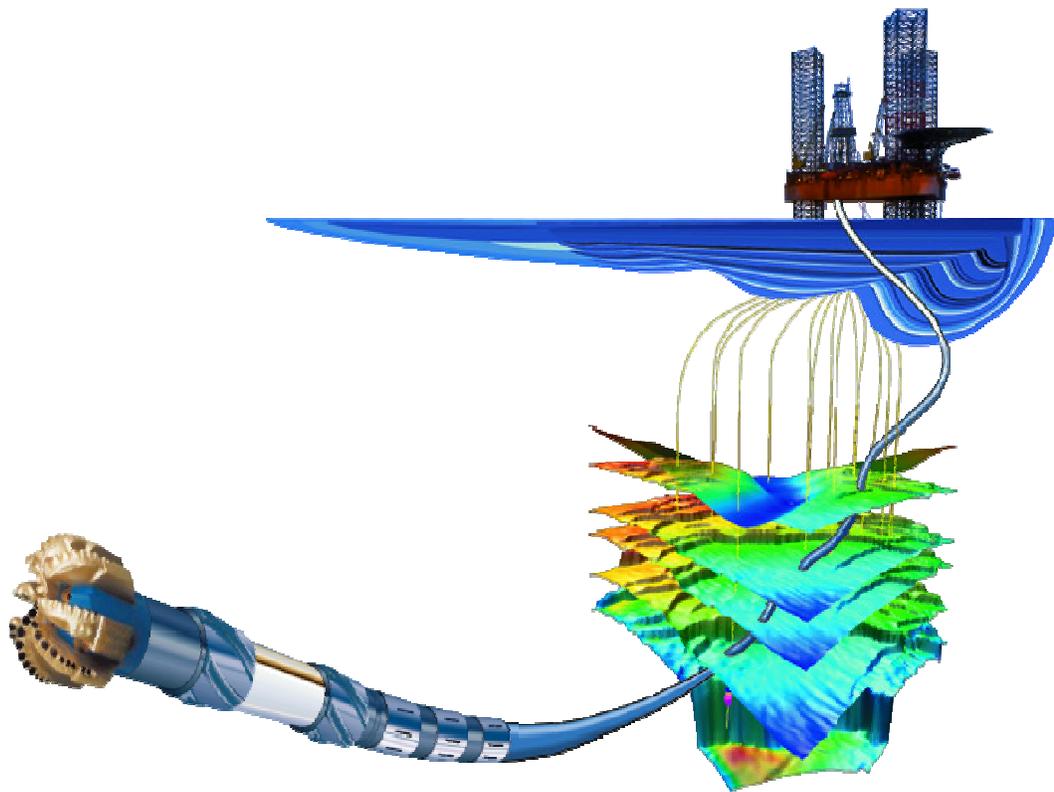
End of Well Report

	Name	Signature	Date
Schlumberger QC	Femi Daramola		
Client approval			

Contents

1. General Information
2. Geomagnetic and Survey Reference Criteria
3. Definitive Survey
4. Drilling and Logging Overview
5. Equipment Run Summary
6. Drill Bit Grading

General Information



General Information

Well Name:	Garfish-1	
Rig:	West Triton	
Field:	Longtom Upper	
Location:	Bass Strait / Vic/L29	
Country:	Australia	
Cell Members:	Chris Hibberson Jun Ikeda	Cell Manager MWD/LWD Engineer
Town Contacts:	David de Freitas Michael Mc Dermott Mee Yean Tan Femi Daramola	DD Coordinator Field Services Manager Engineer in Charge Quality Compliance Engineer
Company Representatives:	Bill Openshaw Rocco Roussow Cliffon Menhenitt Bill Leask	Company Man Company Man Wellsite Geologist Wellsite Geologist

Geomagnetic and Survey Reference Criteria

Geomagnetic Data

Magnetic Model: BGGM version 2007
Magnetic Date: 28 May 2008
Magnetic Field Strength: 59812.094 HCNT
Magnetic Declination: 13.073°
Magnetic Dip: -68.602°

Survey Reference Criteria

Reference G: 1000.04 mgal
Reference H: 1196.24 HCNT
Reference Dip: -68.602°
G value Tolerance: 2.50 mgal
H value Tolerance: 6.00 HCNT
Dip Tolerance: 0.45°

Survey Corrections Applied

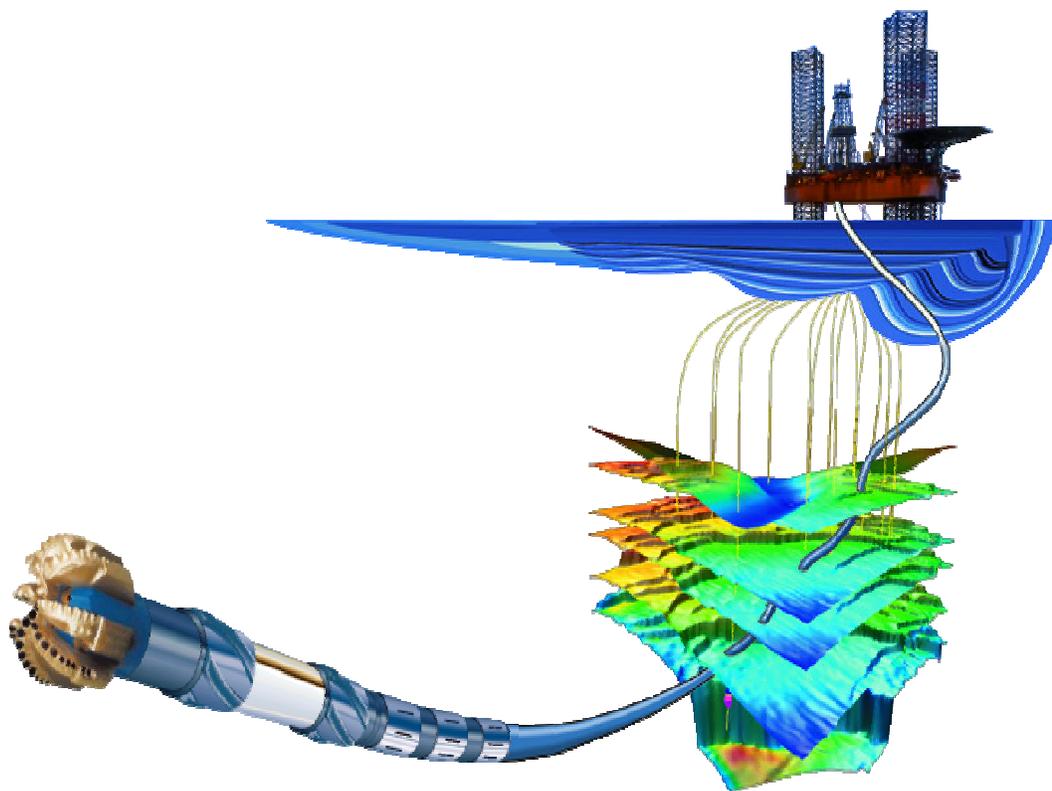
Reference North: Grid North
Magnetic Declination: 13.073°
Grid Convergence: -0.77°
Total Azimuth Correction: 13.34°
Vertical Section Azimuth: 0.00°

Survey Reference Location

Location Coordinates

Latitude: 38° 6' 38.084" South
Longitude: 148° 15' 17.147" East
Easting: 610,001.323 m
Northing: 5,781,172.451 m
MGA: GDA94/MGA94 Zone 55

Definitive Survey



Definitive Survey

Garfish-1 Final Geodetic Survey

Report Date: June 17, 2008 Client: Nexus Energy Field: Nexus Energy Structure / Slot: Gipsland Basin / 5 Well: Garfish-1 Borehole: Garfish-1 UWI/API: Survey Name / Date: Garfish-1 Final / May 28, 2008 Tort / AHD / DDI / ERD ratio: 7.321" / 33.52 m / 2.906 / 0.013 Grid Coordinate System: GDA94/MGA94 Zone 55 Location Lat/Long: S 38 6 38.084, E 148 15 17.147 Location Grid NE YX: N 5781172.451 m, E 610001.323 m Grid Convergence Angle: -0.77449965" Grid Scale Factor: 0.99974903	Survey / DLS Computation Method: Minimum Curvature / Lubinski Vertical Section Azimuth: 0.000" Vertical Section Origin: N 0.000 m, E 0.000 m TVD Reference Datum: RKB TVD Reference Elevation: 39.85 m relative to Least Astronomic Tide Sea Bed / Ground Level Elevation: -56.000 m relative to Least Astronomic Tide Magnetic Declination: 13.073" Total Field Strength: 59812.094 nT Magnetic Dip: -68.602" Declination Date: May 28, 2008 Magnetic Declination Model: BGGM 2007 North Reference: Grid North Total Corr Mag North -> Grid North: +13.847" Local Coordinates Referenced To: Well Head
--	--

Comments	Measured Depth (m)	Inclination (deg)	Azimuth Grid (deg)	TVD (m)	Vertical Section (m)	NS Grid North (m)	EW Grid North (m)	DLS (deg/30 m)	Northing (m)	Easting (m)	Latitude	Longitude
Tio-In	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5781172.45	610001.32	S 38 6 38.084	E 148 15 17.147
	86.66	0.22	347.82	86.66	0.16	0.16	-0.04	0.08	5781172.61	610001.29	S 38 6 38.079	E 148 15 17.145
	122.43	0.11	197.82	122.43	0.20	0.20	-0.06	0.27	5781172.65	610001.26	S 38 6 38.077	E 148 15 17.144
	167.41	0.63	261.61	167.41	0.12	0.12	-0.32	0.39	5781172.57	610001.01	S 38 6 38.080	E 148 15 17.133
	225.52	0.37	223.32	225.52	-0.06	-0.06	-0.76	0.21	5781172.39	610000.56	S 38 6 38.086	E 148 15 17.115
	343.05	0.23	75.45	343.05	-0.28	-0.28	-0.79	0.15	5781172.17	610000.53	S 38 6 38.093	E 148 15 17.114
	431.83	0.14	31.60	431.83	-0.14	-0.14	-0.57	0.05	5781172.31	610000.76	S 38 6 38.089	E 148 15 17.123
	520.09	0.26	306.99	520.09	0.07	0.07	-0.67	0.10	5781172.52	610000.65	S 38 6 38.082	E 148 15 17.119
	608.29	0.58	280.34	608.29	0.27	0.27	-1.27	0.12	5781172.72	610000.06	S 38 6 38.076	E 148 15 17.094
	667.52	0.58	215.10	667.51	0.08	0.08	-1.74	0.32	5781172.53	609999.59	S 38 6 38.082	E 148 15 17.075
	746.93	0.21	194.47	746.92	-0.39	-0.39	-2.00	0.15	5781172.06	609999.32	S 38 6 38.097	E 148 15 17.065
	768.33	0.31	278.20	768.32	-0.42	-0.42	-2.07	0.50	5781172.03	609999.25	S 38 6 38.098	E 148 15 17.062
	857.62	0.21	288.14	857.61	-0.34	-0.34	-2.46	0.04	5781172.12	609998.86	S 38 6 38.096	E 148 15 17.046
	946.72	0.13	341.57	946.71	-0.19	-0.19	-2.05	0.06	5781172.26	609998.67	S 38 6 38.091	E 148 15 17.038
	1035.71	0.13	313.67	1035.70	-0.02	-0.02	-2.76	0.02	5781172.43	609998.57	S 38 6 38.086	E 148 15 17.033
	1184.34	0.20	28.39	1184.33	0.32	0.32	-2.78	0.04	5781172.77	609998.57	S 38 6 38.075	E 148 15 17.033
	1333.11	0.43	19.33	1333.09	1.08	1.08	-2.45	0.05	5781173.53	609998.88	S 38 6 38.050	E 148 15 17.040
	1480.34	0.74	19.34	1480.32	2.49	2.49	-1.95	0.06	5781174.95	609999.37	S 38 6 38.004	E 148 15 17.065
	1569.44	0.83	18.38	1569.41	3.66	3.66	-1.58	0.03	5781178.11	609999.75	S 38 6 37.966	E 148 15 17.080
	1599.08	0.79	17.89	1599.04	4.06	4.06	-1.45	0.05	5781176.51	609999.87	S 38 6 37.953	E 148 15 17.085
	1745.75	1.09	4.99	1745.69	6.41	6.41	-1.02	0.07	5781178.86	610000.30	S 38 6 37.876	E 148 15 17.101
	1893.73	1.24	353.25	1893.64	9.40	9.40	-1.09	0.08	5781181.85	610000.24	S 38 6 37.779	E 148 15 17.097
	2040.91	1.64	351.03	2040.78	13.06	13.06	-1.60	0.08	5781185.51	609999.72	S 38 6 37.661	E 148 15 17.074
	2188.18	1.63	348.05	2187.99	17.19	17.19	-2.36	0.02	5781189.64	609998.96	S 38 6 37.527	E 148 15 17.040
	2395.12	1.70	329.99	2394.84	22.73	22.73	-4.51	0.08	5781195.18	609996.81	S 38 6 37.349	E 148 15 16.949
	2433.46	1.58	329.48	2433.17	23.68	23.68	-5.06	0.09	5781196.12	609996.26	S 38 6 37.318	E 148 15 16.926
Proj. to TD	2590.00	1.58	329.48	2589.65	27.40	27.40	-7.25	0.00	5781199.84	609994.07	S 38 6 37.198	E 148 15 16.834

Survey Type: Non-Def Survey

Survey Error Model: SLB ISCWSA version 24 *** 3-D 95.00% Confidence 2.7955 sigma

Surveying Prog:

MD From (m)

0.00

86.66

95.85

2433.46

MD To (m)

86.66

95.85

2433.46

2590.00

EOU Freq

Act-Stns

Act-Stns

Act-Stns

Act-Stns

Survey Tool Type

SLB_ZERO-Depth Only

SLB_MWD-STD-Depth Only

SLB_MWD-STD

SLB_BLIND

Borehole -> Survey

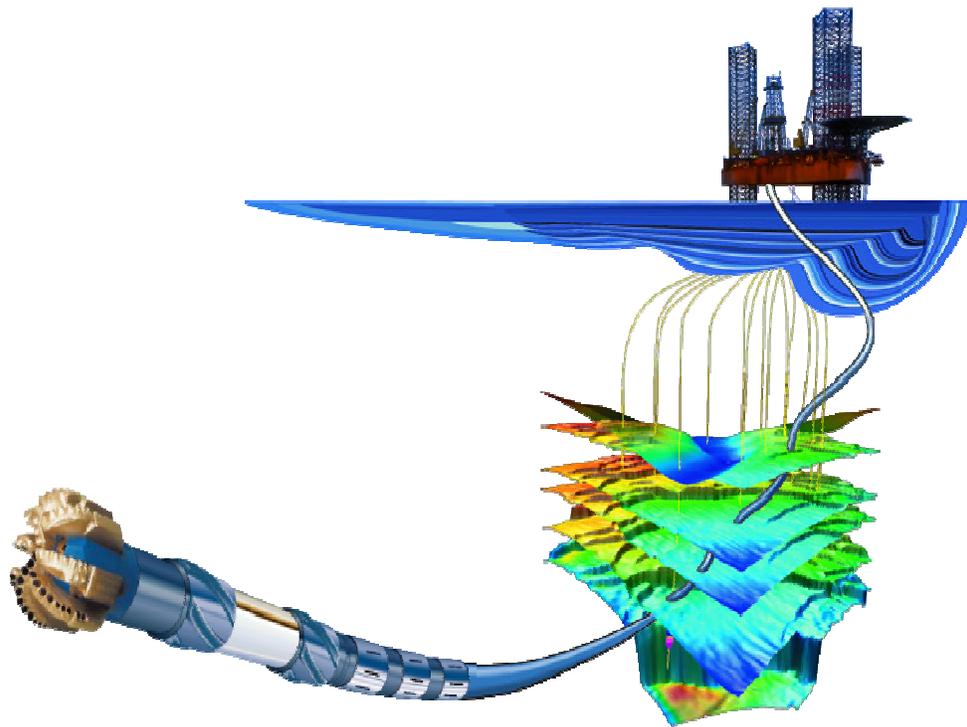
Garfish-1 -> Garfish-1 Final

Garfish-1 -> Garfish-1 Final

Garfish-1 -> Garfish-1 Final

Garfish-1 -> Garfish-1 Final

Drilling and Logging Overview



Drilling and Logging Overview

Schlumberger Drilling and Measurements provided MWD/GR for 36in., 22in, 17½in. and MWD/GeoVISION for 8½in section.

Well Objectives:

Garfish-1 is a vertical exploration well located in permit Vic/L29. The well will be assessing the Chimaera sands followed by the Admiral Formation and are programmed to TD in the Emperor Volcanics.

A 36in. hole will be drilled to approx 134m MDRT for setting of a 30in. structural pipe. A 22in. clean out assembly will be ran to drill out the casing shoe, which will then be followed by a 17½in. hole for setting of a 13¾in. surface casing. This interval will be drilled riserless to approximately 760m MDRT. Real-Time GR LWD will be the only requirement for formation evaluation in this section.

22in. High pressure riser and BOP are to be installed and high pressure tested. Then 13¾in. casing cleanout assembly will then be run in hole to drill out casing shoe followed by a leak off test. The BHA would then be changed to 8½in, which will include PowerPulse* + GeoVISION logging tools which then BHA is RIH to drill ahead to the coring point (Admiral Sands) in one bit run, where approximately 50m of core samples will be taken. Assembly was then changed to drill ahead to planned TD at approx 2523m MDRT. Wireline logs to follow TD of this section.

Well testing is a possibility depending on the findings of the well which will be drilled with water based fluids.

BHA # 1: MWD/GR Surface Hole Assembly

36" Hole Section – Vertical (96.30 m MD- 132.00 m MD)

The following 36" Bottom Hole Assembly was made up and run in hole:

22" Mill Tooth Bit (Make: Smith, IADC Code: 115, Jets: 3x 22, 1X18)

36" Hole Opener

Float Sub (non ported float)

9" PowerPulse* MWD

2 x 9 ½" DC

9 ½" Crossover

3 x 8 ¼" DC

8 ¼" X-Over

Drilling Summary

MWD/LWD Summary

The PowerPulse* MWD tool was programmed with 12Hz/6bps configuration. Real Time Frames were programmed to provide Real Time Gamma Ray. In addition to Gamma Ray; Directional Survey information (Azimuth & Inclination) were also provided to the client. The section was drilled Riserless.

MWD Signal was strong throughout the run. Surveys were taken every 3 stands as per drilling program. Drilling commenced after taking survey and tagging the seabed at 96.23mMD.

ROP was quite average throughout the run which can be expected for a riserless surface hole. Minimal stick slip (below 50%) was seen throughout the run, along with minimal shocks and vibrations (zero shock/vibrations seen).

Approximately 12m from TD, the bit nozzle was plugged this was detected by large spike in SPP. However the decision was made to drill ahead to TD which was called at 132mMDRT. Casing was successfully run following TD with the shoe cemented at 128mMDRT.

BHA # 2: MWD/GR Cleanout Assembly

22" Hole Section – Vertical (125.00 m MD- 132.00 m MD)

The following 22" Bottom Hole Assembly was made up and run in hole:

22" Mill Tooth Bit (Make: Smith, IADC Code: 115, Jets: 3x 22, 1X18)

Float Sub (non ported float)

9" PowerPulse* MWD

2 x 9 ½" DC

9 ½" Crossover

3 x 8 ¼" DC

8 ¼" X-Over

Drilling Summary

MWD/LWD Summary

The PowerPulse* MWD tool was programmed with 12Hz/6bps configuration. Real Time Frames were programmed to provide Real Time Gamma Ray. In addition to Gamma Ray Directional Survey information (Azimuth & Inclination) was also provided to the client. This section was also drilled Riserless. Level zero stick slip and shock and vibrations were experienced.

Drilling Commenced after tagging cement at 125mMDRT. No surveys were taken as the purpose of this BHA was only to drill out cement through casing shoe.

Upon reaching TD the hole was circulated clean and BHA was then POOH to change to the 17-½" assembly.

BHA # 3: MWD/GR Drilling Assembly

17 ½" Hole Section – Vertical (132.00 m MD- 755.00 m MD)

The following 17 ½" Bottom Hole Assembly was made up and run in hole:

17 ½" Mill Tooth Bit (Make: Smith, IADC Code: 115, Jets: 3x 22, 1X18)

Float Sub (non ported float)

9" PowerPulse* MWD

9 ½" DC

17 ½" Stabilizer

9 ½" DC

17 ½" Stabilizer

9 ½" Crossover

3 x 8 ¼" DC

Dailey Hydraulic Drilling Jar

2 x 8 ¼" DC

8 ¼" X-Over

Drilling Summary

MWD/LWD Summary

Drilling began after tagging bottom at 132mMDRT and signal was good throughout the run. Real Time gamma ray data was of a high quality and delivered to the client on request each day and at end of run.

147 – 160 RPM, 1200 GPM and 5 – 33klbm WOB were used. Stick-slip was negligible (below 50%) and shock level-1 was experienced momentarily. Surveys were taken every 5 stands as per client request. TD was called at 755mMDRT as per casing tally.

Upon reaching TD subsea wellhead was not ready and still in town. POOH to shoe then drill pipe was picked up and racked back in derrick while waiting on wellhead from town. Wiper trip was then performed to bottom before POOH and BHA lay out.

BHA # 4: MWD/GR/RES Drilling Assembly

8 ½" Hole Section – Vertical (758.00 m MD- 2450.00 m MD)

The following 8 ½" Bottom Hole Assembly was made up and run in hole:

8 ½" PDC Bit (Make: Hycalog, IADC Code: M322, Jets: 5x 18, 2X10)

Near Bit Stab.

Float Sub (ported float)

Pony Drill Collar

8 ½" Inline Stabilizer

6 ¾" GeoVISION LWD Tool

6 ¾" TeleScope* MWD

6 x Drill Collars

Crossover Sub

6 x HWDP

Crossover Sub

Drilling Jars

Crossover Sub

5 x HWDP

Drilling Summary

MWD/LWD Summary

TeleScope* MWD tool was programmed at 12Hz 6bps. Real Time frames were programmed to provide Real Time Gamma Ray and Resistivity measurements. GeoVISION tool was programmed with a 5second record rate to provide recorded mode Gamma Ray and Resistivity data. Drilling commenced after tagging bottom at 758m MDRT.

Signal from tool was good throughout the run. Tool did switch off momentarily, however this was due to excessive flow, driller was notified and flow was reduced slightly, signal was fine after this.

137 – 150 RPM, 800 GPM and 15 – 50klbm WOB were used. High level stick-slip (above 100%) and some shock/vibrations (shock level 2-3) were experienced, however company man was notified and parameters changed to rectify this problem. Surveys were taken every 5 stands as per client request. TD was called at 2450mMDRT due to reaching the coring point.

Upon reaching TD BHA was changed out to a coring assembly. 20m of formation was then successfully retrieved using this assembly.

BHA # 5: MWD/GR/RES Drilling Assembly

8 ½" Hole Section – Vertical (2470.00 m MD- 2590.00 m MD)

The following 8 ½" Bottom Hole Assembly was made up and run in hole:

8 ½" PDC Bit (Type: Hycalog, IADC Code M322, Jets: 5x 18, 2X10)

Near Bit Stab.

Float Sub (ported float)

Pony Drill Collar

8 ½" Inline Stab.

6 ¾" GeoVISION LWD Tool

6 ¾" TeleScope* MWD

6 x Drill Collars

Crossover Sub

6 x HWDP

Crossover Sub

Drilling Jars

Crossover Sub

5 x HWDP

Drilling Summary

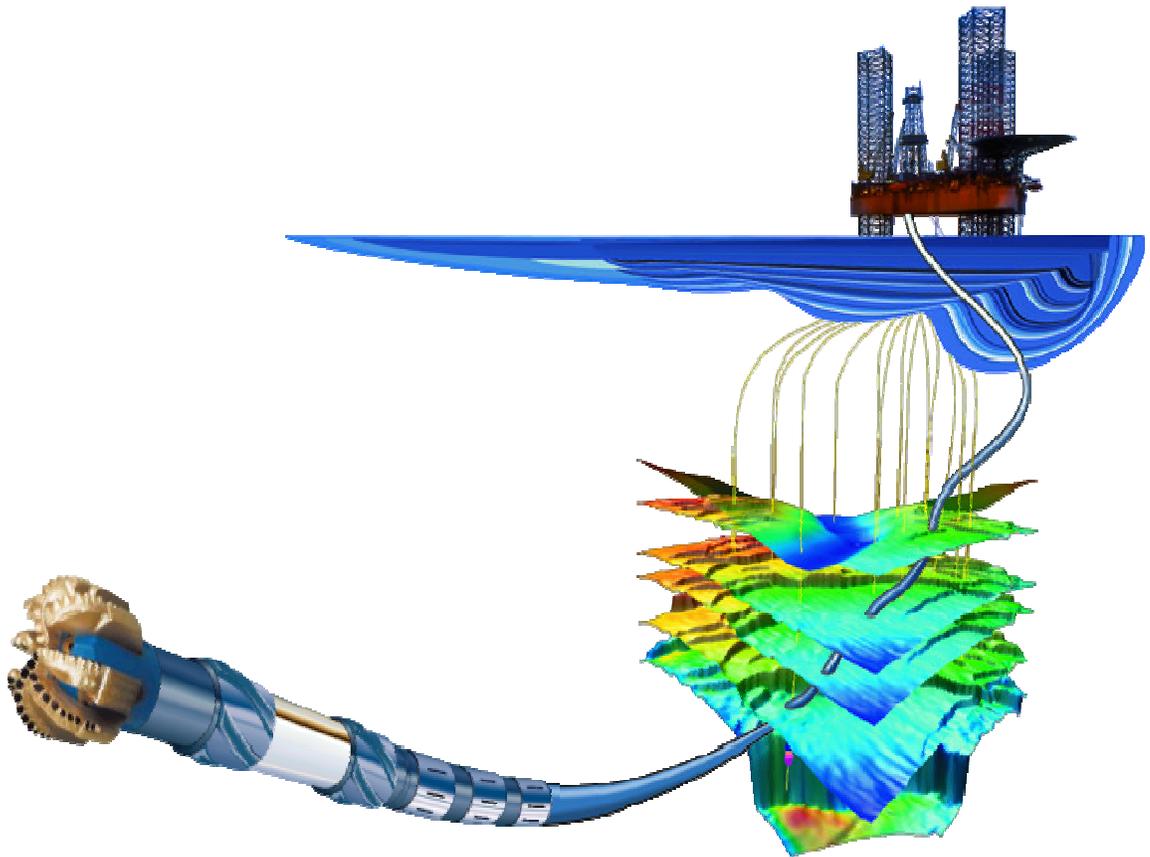
MWD/LWD Summary

TeleScope MWD tool was programmed at 12Hz 6bps. Real Time frames were programmed to provide Real Time Gamma Ray and Resistivity measurements. GeoVISION tool was programmed with a 5second record rate to provide recorded mode Gamma Ray and Resistivity data. Drilling commenced after logging while reaming over cored section from 2450m to 2470m MDRT and then drilled ahead to TD.

137 – 150 RPM, 800 GPM and 30klbm WOB were used. Moderate (around 100%) stick slip was experienced for most of the run, minimal shocks and vibrations (around shock level 1) were observed. Upon tagging bottom well was shut in momentarily for flow check. At approximately 2581m MDRT all drill pipe that had been racked back in Derrick had been RIH, there was then a 30min wait whilst town made a decision to drill ahead whilst picking up pipe.

TD was called at 2590m MDRT. Circulated bottoms up twice then POOH. Approximately 12hrs later BHA arrived at surface and was lay out.

Equipment Run Summary



Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 1

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Run Information

Date In		Date Out		Drilling Distance:		Drilling Hours:	
28-May-2008 12:00PM		28-May-2008 5:30PM		35.70 m		1.50 hrs	
Depth (MD): 96.3 m		to 132.0 m		Rotary Drilling Distance: 35.70 m		Rotary Drilling Hrs: 1.50 hrs	
Depth (TVD): 96.3 m		to 132.0 m		Sliding Distance: 0.00 m		Sliding Hours: 0.00 hrs	
Inclination: 0.22 deg		to 0.11 deg		Reaming Distance: 0.00 m		Reaming Hours: 0.00 hrs	
Azimuth: 0.00 deg		to 197.82 deg				Hrs Below Rotary: 5.50 hrs	
Hole Size: 36.00 in						Total Pumping Hrs: 1.60 hrs	
Last Casing Size: 0.000 in				North Ref Used: Grid North		Min DLS: 0.00 deg/30 m	
Last Casing Depth: 0.0 m (MD)				Magnetic Dec: 13.073 deg		Max DLS: 0.00 deg/30 m	
Tool Face Arc:				Grid Correction: -0.774 deg		Max DLS Depth: 0.0 m	
Total Face Angle: deg				Total Correction: 13.847 deg		Surface Screen: No	
				Est. Mag. Int: deg		DFS Used: No	
						Inline Filter: No	

Rig Information

Rig Type: Jack Up	Pump Type: Triplex
Water Depth: 56.00 m	Pulse Damp Press: 700 psi
Air Gap: m	Number of Pumps: 3
RKB Height: 40.30 m	Pump Line ID: 6.60 in
Ground Elevation: 96.25 m	Pump Output: 5.85 galUS/stroke
	Pump Stroke Len: 16.00 in

Run Objective

To Drill and log Gamma Ray in 36in. section of Garfish-1. Whilst also providing inclination surveys as per drilling program provided by Nexus.

D&M Crew List:

Cell Manager: Chris Hibberson
 Crew: Chris Hibberson, Cell Manager
 Jun Ikeda, MWD
 Russell Yap, Trainee

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length: m		
Rubber:		
Sleeve Position:		
Sleeve Size: in		
Bearing Type:		

RSS Information

RSS Manufacturer:
RSS Type:
RSS SN:
RSS Size:
Pulse Ht Threshold:
Min Pulse Width:
Max Pulse Width:
Conn Phase Angle: deg
Rise Time Const:
Fall Time Const:
Digit Time:

MWD Configuration

Mod Type:	Int Tool Face Offset: deg	Bit Rate: bps	Slimpulse Pulser Config:
Mod Gap: in	Turbine Config:	Frequency: Hz	Pred Sig Strength @ TD: psi
SPT Type:			

Drilling Parameters

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 1

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

	<u>Min</u>	<u>Max</u>	<u>Avg</u>		
BH Temperature:				Total DH Shocks (k):	k
Surface RPM:	rpm	rpm	rpm	Max Shock Level:	
ROP:	23.80 m/hr	23.80 m/hr	23.80 m/hr	Max Shock Duration:	sec
Surface Torque:				Checkshot Type:	
Flow Rate:				Checkshot Depth:	m
WOB Sliding:				Checkshot Incl:	deg
				Checkshot Azim:	deg
				H2S In Well:	No
Average Pump Pressure:	psi			SPP Off Bottom:	psi
Turbine RPM @ Min Flow Rate:	rpm	Min Flow Rate:		SPP On Bottom:	psi
Turbine RPM @ Max Flow Rate:	rpm	Max Flow Rate:			

Mud Information

Mud Type:	Sea Water	Mud Clean:	No	pH:	
Mud Company:		LCM Type:		Chlorides:	ppm
Mud Brand:		LCM Size:		Sand Content:	%
Funnel Viscosity:	s/qt	LCM Concentration:	lbs/bbl	Solids:	%
Plastic Viscosity:	cp	Weighting Material:		Percent Oil:	%
Yield Point:	lbm/100ft2	Mud Weight:			
Mud Resistivity:	ohm-m				

IADC Bit Grading

Manufacturer:	Smith	Total Revs:		IADC Code:	115
Model:		Stick/Slip:		Jets (/ 32 in):	3X22 1X18
Type:	Milltooth	Reason Pulled:	Total Depth/Casing Depth	Bit TFA:	1.36 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
1.00	1.00	WT	A		I	NO

End of Run - Summary

Sync Hours:	0.00 hrs	Downhole Noise:	No	Run Failed:	No
Jamming:	No 0.00 hrs	Surface System Failure:	No	D&M Trip:	No
Surface Vibration:	No	Surface Noise:	No	Low Oil Flag:	No 0.00 hrs
Trans Fail:	No	H2S in Well:	No	Filter Screen/Plug Shear:	No

Client Inconvenience: No Lost Time: hrs
Reason for POOH: Total Depth/Casing Depth

D&M Run Obj Met? [DD and MWD/LWD]: Yes

Brief Run Summary:

Experienced good signal throughout run. Minimal stick-slip was experienced. Plugged nozzle on bit ~120MD. Decision was made to drill ahead to TD of section.

If not, why?:

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 1

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
MDCIX-HA-E0438	0.00 hrs	1.60 hrs	8.0C	9.00 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
MWD	D&I	PowerPulse	1.60 hrs		35.7 m	hrs			
MWD	Cont D&I	PowerPulse	1.60 hrs		35.7 m	hrs			
MWD	Gamma Ray	PowerPulse	1.60 hrs		35.7 m	hrs			

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 1

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ
BHA Type: Rotary

Rig Name: West Triton
Well Name: Garfish-1

Item	Description	Vendor	Tool Name	Serial Number	Length	OD	ID	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Len	
								OD	Len, m	OD	Size	Type	Size	Type		
1	BIT	Smith	Milltooth	34406	0.61 m	22.00							7 5/8"	REG PIN	0.61 m	
2	REAMER		hole opener	7207	2.76 m	36.00						7 5/8"	REG BOX	7 5/8"	REG BOX	3.37 m
3	FLOAT SUB			seadrill	1.23 m	9.50	3.00					7 5/8"	REG PIN	7 5/8"	REG BOX	4.60 m
4	MWD	D&M	PowerPulse	E0438	8.84 m	9.00						7 5/8"	REG PIN	7 5/8"	REG BOX	13.44 m
5	DRILL COLLAR		9.5" DC	16392	9.44 m	9.63	3.00		1.10			7 5/8"	REG PIN	7 5/8"	REG BOX	22.88 m
6	DRILL COLLAR		9.5" DC	3T9	9.18 m	9.63	3.00		1.10			7 5/8"	REG PIN	7 5/8"	REG BOX	32.06 m
7	CROSSOVER			11558	0.47 m	9.50	2.81					7 5/8"	REG PIN	6 5/8"	REG BOX	32.53 m
8	DRILL COLLAR		8.25" DC	2T8	9.45 m	8.38	2.81					6 5/8"	REG PIN	6 5/8"	REG BOX	41.98 m
9	DRILL COLLAR		8.25" DC	4T8	9.41 m	8.38	2.81					6 5/8"	REG PIN	6 5/8"	REG BOX	51.39 m
10	DRILL COLLAR		8.25" DC	3T8	9.41 m	8.38	2.81					6 5/8"	REG PIN	6 5/8"	REG BOX	60.80 m
11	CROSSOVER			11559	0.50 m	8.25	2.81					6 5/8"	REG PIN		XT57	61.30 m

Predicted BHA Tendency:

Hookload Out:
 Pickup Out:
 Slack Weight:

Wt Below Jars:
 Wt Above Jars:
 Total Air Wt:

Stab Description	Mid Pt to Bit	Blade			Gauge			Bit to Read Out Port			Bit to Measurement Port		
		Type	Len	Width	Len	In	Out						
MWD-PowerPulse									6.70	m	PowerPulse-D&I	9.03	m
PowerPulse-Gamma Ray											8.38	m	

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Steffan Sch **Location:** MEA-APG-ASQ
Run No: 1

Rig Name: West Triton
Well Name: Garfish-1

From	To	Elapsed	Depth in m		IADC Activity	Description
			From	To		
28-May-2008						
00:00	12:00	12.00	0.0	0.0	Rig up / Rig down	Prepare for BHA
12:00	13:20	1.33	0.0	96.3	PU / LD BHA / Tripping	RIH to seabed
13:20	14:50	1.50	96.3	132.0	Drilling	Tag seabed and drill ahead to TD
14:50	15:45	0.92	132.0	132.0	Circulate / Condition mud	Displace to Mud
15:45	17:30	1.75	132.0	0.0	PU / LD BHA / Tripping	POOH

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 2

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Run Information

Date In		Date Out		Drilling Distance:		Drilling Hours:	
29-May-2008	5:00PM	29-May-2008	10:30PM	7.00 m	7.00 m	0.50 hrs	0.50 hrs
Depth (MD):	125.0 m	to	132.0 m	Rotary Drilling Distance:	7.00 m	Rotary Drilling Hrs:	0.50 hrs
Depth (TVD):	125.0 m	to	132.0 m	Sliding Distance:	0.00 m	Sliding Hours:	0.00 hrs
Inclination:	0.11 deg	to	0.11 deg	Reaming Distance:	0.00 m	Reaming Hours:	0.00 hrs
Azimuth:	197.82 deg	to	197.82 deg			Hrs Below Rotary:	5.50 hrs
Hole Size:	22.00 in					Total Pumping Hrs:	1.20 hrs
Last Casing Size:	30.000 in			North Ref Used:	Grid North	Min DLS:	0.00 deg/30 m
Last Casing Depth:	128.0 m (MD)			Magnetic Dec:	13.073 deg	Max DLS:	0.00 deg/30 m
Tool Face Arc:				Grid Correction:	-0.774 deg	Max DLS Depth:	0.0 m
Total Face Angle:	deg			Total Correction:	13.847 deg	Surface Screen:	No
				Est. Mag. Int:	deg	DFS Used:	No
						Inline Filter:	No

Rig Information

Rig Type:	Jack Up	Pump Type:	Triplex
Water Depth:	56.00 m	Pulse Damp Press:	700 psi
Air Gap:	m	Number of Pumps:	3
RKB Height:	40.30 m	Pump Line ID:	6.60 in
Ground Elevation:	96.25 m	Pump Output:	5.85 galUS/stroke
		Pump Stroke Len:	16.00 in

Run Objective

Drill out cement, POOH and change to 17 1/2in. BHA.

D&M Crew List:

Cell Manager: Chris Hibberson
 Crew: Chris Hibberson, Cell Manager
 Jun Ikeda, MWD
 Russell Yap, Trainee

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length:		m
Rubber:		
Sleeve Position:		
Sleeve Size:		in
Bearing Type:		

RSS Information

RSS Manufacturer:	
RSS Type:	
RSS SN:	
RSS Size:	
Pulse Ht Threshold:	
Min Pulse Width:	
Max Pulse Width:	
Conn Phase Angle:	deg
Rise Time Const:	
Fall Time Const:	
Digit Time:	

MWD Configuration

Mod Type:	Int Tool Face Offset:	deg	Bit Rate:	bps	Slimpulse Pulser Config:	
Mod Gap:	Turbine Config:		Frequency:	Hz	Pred Sig Strength @ TD:	psi
SPT Type:						

Drilling Parameters

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 2

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

	<u>Min</u>	<u>Max</u>	<u>Avg</u>		
BH Temperature:				Total DH Shocks (k):	k
Surface RPM:	rpm	rpm	rpm	Max Shock Level:	
ROP:	7.00 m/hr	7.00 m/hr	14.00 m/hr	Max Shock Duration:	sec
Surface Torque:				Checkshot Type:	
Flow Rate:				Checkshot Depth:	m
WOB Sliding:				Checkshot Incl:	deg
				Checkshot Azim:	deg
				H2S In Well:	No
Average Pump Pressure:	psi			SPP Off Bottom:	psi
Turbine RPM @ Min Flow Rate:	rpm	Min Flow Rate:		SPP On Bottom:	psi
Turbine RPM @ Max Flow Rate:	rpm	Max Flow Rate:			

Mud Information

Mud Type:		Mud Clean:		pH:	
Mud Company:		LCM Type:		Chlorides:	ppm
Mud Brand:		LCM Size:		Sand Content:	%
Funnel Viscosity:	s/qt	LCM Concentration:	lbs/bbl	Solids:	%
Plastic Viscosity:	cp	Weighting Material:		Percent Oil:	%
Yield Point:	lbm/100ft2	Mud Weight:			
Mud Resistivity:	ohm-m				

IADC Bit Grading

Manufacturer: Smith
 Model:
 Type: Milltooth

Total Revs:
 Stick/Slip:
 Reason Pulled: Total Depth/Casing Depth

IADC Code: 115
 Jets (/ 32 in): 3X22 1X18
 Bit TFA: 1.36 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
0.00	0.00	NO	A		I	NO

End of Run - Summary

Sync Hours: 0.00 hrs
 Jamming: No 0.00 hrs
 Surface Vibration: No
 Trans Fail: No

Downhole Noise: No
 Surface System Failure: No
 Surface Noise: No
 H2S in Well: No

Run Failed: Yes
 D&M Trip: No
 Low Oil Flag: No 0.00 hrs
 Filter Screen/Plug Shear: No

Client Inconvenience: No Lost Time: hrs

Reason for POOH: Total Depth/Casing Depth

D&M Run Obj Met? [DD and MWD/LWD]: Yes

Brief Run Summary:

Successfully drilled out cement. POOH change to 17 1/2in. BHA.

If not, why?:

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 2

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
MDCIX-HA-E0438	1.60 hrs	2.80 hrs	8.0C	9.00 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
MWD	D&I	PowerPulse	1.20 hrs		7.0 m	hrs			
MWD	Cont D&I	PowerPulse	1.20 hrs		7.0 m	hrs			
MWD	Gamma Ray	PowerPulse	1.20 hrs		7.0 m	hrs			

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 2

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ
BHA Type: Rotary

Rig Name: West Triton
Well Name: Garfish-1

Item	Description	Vendor	Tool Name	Serial Number	Length	OD	ID	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Len
								OD	Len, m	OD	Size	Type	Size	Type	
1	BIT	Smith	Milltooth	M23173	0.56 m	22.00									0.56 m
2	FLOAT SUB			seadrill	1.23 m	9.50	3.00				7 5/8"	REG PIN	7 5/8"	REG BOX	1.79 m
3	MWD	D&M	PowerPulse	E0438	8.84 m	9.00					7 5/8"	REG PIN	7 5/8"	REG BOX	10.63 m
4	DRILL COLLAR		9.5" DC	16392	9.44 m	9.63	3.00		1.10		7 5/8"	REG PIN	7 5/8"	REG BOX	20.07 m
5	DRILL COLLAR		9.5" DC	3T9	9.18 m	9.63	3.00		1.10		7 5/8"	REG PIN	7 5/8"	REG BOX	29.25 m
6	CROSSOVER			11558	0.47 m	9.50	2.81				7 5/8"	REG PIN	6 5/8"	REG BOX	29.72 m
7	DRILL COLLAR		8.25" DC	2T8	9.45 m	8.38	2.81				6 5/8"	REG PIN	6 5/8"	REG BOX	39.17 m
8	DRILL COLLAR		8.25" DC	4T8	9.41 m	8.38	2.81				6 5/8"	REG PIN	6 5/8"	REG BOX	48.58 m
9	DRILL COLLAR		8.25" DC	3T8	9.41 m	8.38	2.81				6 5/8"	REG PIN	6 5/8"	REG BOX	57.99 m
10	CROSSOVER			11559	0.50 m	8.25	2.81				6 5/8"	REG PIN		XT57	58.49 m

Predicted BHA Tendency:

Hookload Out: _____
 Pickup Out: _____
 Slack Weight: _____

Wt Below Jars: _____
 Wt Above Jars: _____
 Total Air Wt: _____

Stab Description	Mid Pt to Bit	Blade			Gauge			Bit to Read Out Port			Bit to Measurement Port		
		Type	Len	Width	Len	In	Out						
MWD-PowerPulse								6.70	m		PowerPulse-D&I	9.03	m
PowerPulse-Gamma Ray											8.38	m	

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Steffan Sch **Location:** MEA-APG-ASQ
Run No: 2

Rig Name: West Triton
Well Name: Garfish-1

From	To	Elapsed	Depth in m		IADC Activity	Description
			From	To		
29-May-2008						
00:00	01:30	1.50	0.0	0.0	Run casing / cement	Cont. RIH with 30" Conductor
01:30	03:00	1.50	0.0	0.0	Run casing / cement	Test lines and run cement for 30" Conductor
03:00	10:00	7.00	0.0	0.0	Wait on cement	Wait on cement, check bulleyes with ROV
10:00	12:00	2.00	0.0	0.0	Run casing / cement	Release 30" R/Tools, M/UP 18 3/4" R/Tools and rack back
12:00	14:30	2.50	0.0	0.0	Rig up / Rig down	Rig Up Handling slings and lower texas deck
14:30	18:00	3.50	0.0	125.0	PU / LD BHA / Tripping	PU 9 1/2" DC, change bit, RIH to top of cement @125m
18:00	19:00	1.00	125.0	132.0	Drilling	Drill out cement
19:00	19:30	0.50	132.0	132.0	Circulate / Condition mud	pump 75bbl hi vis. sweep
19:30	21:30	2.00	132.0	57.0	PU / LD BHA / Tripping	POOH
21:30	22:00	0.50	57.0	57.0	Repair rig	Automatic elevators not working, faulty soleniod, change back to manual
22:00	23:00	1.00	57.0	0.0	PU / LD BHA / Tripping	POOH to surface
23:00	00:00	1.00	0.0	0.0	Other	JSA, clear rig floor and catwalk, pickup and rack back HWDP

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Steffan Schmi **Location:** MEA-APG-ASQ
Run Number: 2

Rig Name: West Triton
Well Name: Garfish-1

<u>Date/Time</u>	<u>Depth</u>	<u>Description</u>
29-May-2008 6:00PM	125.0 m	Tag Cement drill ahead.
29-May-2008 7:00PM	132.0 m	Sweep hole hi vis. pill.
29-May-2008 7:30PM	132.0 m	POOH

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 3

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Run Information

Date In		Date Out		Drilling Distance:		Drilling Hours:	
30-May-2008	2:43AM	31-May-2008	9:00PM	518.00 m	518.00 m	15.00 hrs	15.00 hrs
Depth (MD):	132.0 m	to	755.0 m	Rotary Drilling Distance:	518.00 m	Rotary Drilling Hrs:	15.00 hrs
Depth (TVD):	132.0 m	to	755.0 m	Sliding Distance:	0.00 m	Sliding Hours:	0.00 hrs
Inclination:	0.11 deg	to	0.21 deg	Reaming Distance:	0.00 m	Reaming Hours:	0.00 hrs
Azimuth:	197.82 deg	to	194.47 deg			Hrs Below Rotary:	42.28 hrs
Hole Size:	17.50 in					Total Pumping Hrs:	15.00 hrs
Last Casing Size:	30.000 in			North Ref Used:	Grid North	Min DLS:	0.00 deg/30 m
Last Casing Depth:	128.0 m (MD)			Magnetic Dec:	13.073 deg	Max DLS:	0.00 deg/30 m
Tool Face Arc:				Grid Correction:	-0.774 deg	Max DLS Depth:	0.0 m
Total Face Angle:	deg			Total Correction:	13.847 deg	Surface Screen:	No
				Est. Mag. Int:	deg	DFS Used:	No
						Inline Filter:	No

Rig Information

Rig Type:	Jack Up	Pump Type:	Triplex
Water Depth:	56.00 m	Pulse Damp Press:	700 psi
Air Gap:	m	Number of Pumps:	3
RKB Height:	40.30 m	Pump Line ID:	6.60 in
Ground Elevation:	96.25 m	Pump Output:	5.85 galUS/stroke
		Pump Stroke Len:	16.00 in

Run Objective

RIH 132m, Drill ahead to TD of 17-1/2in. section whilst logging real time gamma ray and providing surveys every 3 stands.

D&M Crew List:

Cell Manager: Chris Hibberson
 Crew: Chris Hibberson, Cell Manager
 Jun Ikeda, MWD
 Russell Yap, Trainee

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length:		m
Rubber:		
Sleeve Position:		
Sleeve Size:		in
Bearing Type:		

RSS Information

RSS Manufacturer:	
RSS Type:	
RSS SN:	
RSS Size:	
Pulse Ht Threshold:	
Min Pulse Width:	
Max Pulse Width:	
Conn Phase Angle:	deg
Rise Time Const:	
Fall Time Const:	
Digit Time:	

MWD Configuration

Mod Type:	Int Tool Face Offset:	deg	Bit Rate:	bps	Slimpulse Pulser Config:	
Mod Gap:	Turbine Config:	galUS/min	Frequency:	Hz	Pred Sig Strength @ TD:	psi
SPT Type:						

Drilling Parameters

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 3

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

	<u>Min</u>	<u>Max</u>	<u>Avg</u>
BH Temperature:	25.00 degC	25.00 degC	25.00 degC
Surface RPM:	147.00 rpm	160.00 rpm	153.50 rpm
ROP:	34.00 m/hr	36.67 m/hr	34.53 m/hr
Surface Torque:	2.10 kft.lbf	3.23 kft.lbf	2.67 kft.lbf
Flow Rate:	1,181.00 galUS/min	1,193.00 galUS/min	1,187.00 galUS/min
WOB Sliding:			
Average Pump Pressure:	psi		
Turbine RPM @ Min Flow Rate:	4,179 rpm	Min Flow Rate:	1,181.00galUS/min
Turbine RPM @ Max Flow Rate:	4,179 rpm	Max Flow Rate:	1,193.00galUS/min

Total DH Shocks (k):	0 k
Max Shock Level:	0
Max Shock Duration:	0 sec
Checkshot Type:	
Checkshot Depth:	m
Checkshot Incl:	deg
Checkshot Azim:	deg
H2S In Well:	No
SPP Off Bottom:	psi
SPP On Bottom:	1,320.00 psi

Mud Information

Mud Type:	Sea Water	Mud Clean:	No	pH:	
Mud Company:	Baroid	LCM Type:		Chlorides:	800.00 ppm
Mud Brand:		LCM Size:		Sand Content:	%
Funnel Viscosity:	200.00 s/qt	LCM Concentration:	lbs/bbl	Solids:	0.70 %
Plastic Viscosity:	20.00 cp	Weighting Material:		Percent Oil:	%
Yield Point:	70.00 lbm/100ft2	Mud Weight:	8.50 lbm/galUS		
Mud Resistivity:	ohm-m				

IADC Bit Grading

Manufacturer:	Smith	Total Revs:	IADC Code:	115	
Model:		Stick/Slip:	Jets (/ 32 in):	3X22 1X18	
Type:	Milltooth	Reason Pulled:	Total Depth/Casing Depth	Bit TFA:	1.36 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
2.00	2.00	WT	A E		I	NO

End of Run - Summary

Sync Hours:	11.32 hrs	Downhole Noise:	No	Run Failed:	No
Jamming:	No 0.00 hrs	Surface System Failure:	No	D&M Trip:	No
Surface Vibration:	No	Surface Noise:	No	Low Oil Flag:	No 0.00 hrs
Trans Fail:	No	H2S in Well:	No	Filter Screen/Plug Shear:	No

Client Inconvenience: No Lost Time: hrs

Reason for POOH: Total Depth/Casing Depth

D&M Run Obj Met? [DD and MWD/LWD]: Yes

Brief Run Summary:

If not, why?:

Completed run successfully with good signal throughout the run. After TD, conducted other operations while waiting on wellhead from town. POOH to surface at 21:00 on the 31st of May.

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 3

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
MDCIX-HA-E0438	2.80 hrs	17.80 hrs	8.0C	9.00 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
MWD	D&I	PowerPulse	15.00 hrs		518.0 m	hrs			
MWD	Cont D&I	PowerPulse	15.00 hrs		518.0 m	hrs			
MWD	Gamma Ray	PowerPulse	15.00 hrs		518.0 m	hrs			

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 3

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ
BHA Type: Rotary

Rig Name: West Triton
Well Name: Garfish-1

Item	Description	Vendor	Tool Name	Serial Number	Length	OD	ID	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Len
								OD	Len, m	OD	Size	Type	Size	Type	
1	BIT	Smith	Milltooth	117876	0.41 m	17.50									0.41 m
2	FLOAT SUB			seadrill	1.23 m	9.50	3.00				7 5/8"	REG PIN	7 5/8"	REG BOX	1.64 m
3	MWD	D&M	PowerPulse	E0438	8.84 m	9.00					7 5/8"	REG PIN	7 5/8"	REG BOX	10.48 m
4	DRILL COLLAR		9.5" DC	16392	9.44 m	9.63	3.00		1.10		7 5/8"	REG PIN	7 5/8"	REG BOX	19.92 m
5	INLINE STAB			seadrill	2.16 m										22.08 m
6	DRILL COLLAR		9.5" DC	3T9	9.18 m	9.63	3.00		1.10		7 5/8"	REG PIN	7 5/8"	REG BOX	31.26 m
7	INLINE STAB			seadrill	1.70 m										32.96 m
8	CROSSOVER			11558	0.47 m	9.50	2.81				7 5/8"	REG PIN	6 5/8"	REG BOX	33.43 m
9	DRILL COLLAR		8.25" DC	2T8	9.45 m	8.38	2.81				6 5/8"	REG PIN	6 5/8"	REG BOX	42.88 m
10	DRILL COLLAR		8.25" DC	4T8	9.41 m	8.38	2.81				6 5/8"	REG PIN	6 5/8"	REG BOX	52.29 m
11	DRILL COLLAR		8.25" DC	3T8	9.41 m	8.38	2.81				6 5/8"	REG PIN	6 5/8"	REG BOX	61.70 m
12	JAR			seadrill	9.60 m										71.30 m
13	DRILL COLLAR		8.25" DC	seadrill	9.45 m										80.75 m
14	DRILL COLLAR		8.25" DC	seadrill	9.45 m										90.20 m
15	CROSSOVER			11559	0.50 m	8.25	2.81				6 5/8"	REG PIN		XT57	90.70 m

Predicted BHA Tendency: _____

Hookload Out:

Pickup Out:

Slack Weight:

Wt Below Jars:

Wt Above Jars:

Total Air Wt:

Stab Description	Mid Pt to Bit	Blade			Gauge			Bit to Read Out Port			Bit to Measurement Port		
		Type	Len	Width	Len	In	Out						
								MWD-PowerPulse	6.70	m	PowerPulse-D&I	9.03	m
											PowerPulse-Gamma Ray	8.38	m

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Steffan Sch **Location:** MEA-APG-ASQ
Run No: 3

Rig Name: West Triton
Well Name: Garfish-1

From	To	Elapsed	Depth in m		IADC Activity	Description
			From	To		
30-May-2008						
00:00	06:00	6.00	0.0	0.0	PU / LD BHA / Tripping	Continue P/up HWDP and rack back
06:00	09:00	3.00	0.0	132.0	PU / LD BHA / Tripping	P/up and M/up 17.5" BHA and wash down to 132m
09:00	12:00	3.00	132.0	242.0	Drilling	Drill ahead f/ 132 to 242. Sweep w/ 50 bbls hi vis pill
12:00	00:00	12.00	242.0	650.0	Drilling	Continue Drilling ahead to 650m

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Steffan Schmidt
Run Number: 3

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

	30-May-2008 11:29 AM	30-May-2008 3:27 AM
Field Engineer	Jun Ikeda	Jun Ikeda
Depth	231.00 m	734.00 m
Avg ROP	24.34 m/hr	24.34 m/hr
On Bottom ROP	62.41 m/hr	62.41 m/hr
Flow Rate	1,181.00 galUS/min	1,193.00 galUS/min
Turbine RPM	4,179 rpm	4,179 rpm
Surface RPM	147 rpm	160 rpm
WOB Rotating	5.00 klbm	33.00 klbm
WOB Sliding		
DH WOB		
Surface Torque	2.10 kft.lbf	3.23 kft.lbf
DH Torque		
Hookload		122 klbm
PickUp Weight	118.00 klbm	
Slack Weight	118.00 klbm	
Friction		
SPP On Bottom	1,320.00 psi	1,399.00 psi
SPP Off Bottom		
Diff Pressure		
BH Temperature		25.00 degC
Total Shocks (k)		
Max Shock Level		
Max Shock Duration		
Torsional Vib		
Lateral Vib		
Axial Vib		
CRPM	147 rpm	157 rpm
Stick/Slip	30	30
Formation	Claystone	Claystone
Signal Strength		70.00 psi
Percent Signal Conf		90 %

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Steffan Schmi **Location:** MEA-APG-ASQ
Run Number: 3

Rig Name: West Triton
Well Name: Garfish-1

<u>Date/Time</u>	<u>Depth</u>	<u>Description</u>
30-May-2008 6:15AM	0.0 m	BRT
30-May-2008 12:28PM	256.0 m	Cyberchair System freeze, pickup off bottom
30-May-2008 12:46PM	256.0 m	Back on bottom drilling.
30-May-2008 4:56PM	467.0 m	Drilling ahead 110m/hr
30-May-2008 7:30PM	558.0 m	Drilling Ahead 25m/hr
30-May-2008 9:05PM	595.0 m	Dill Ahead, ROP around 30m/hr, appears to be change in formation.
31-May-2008 12:54AM	673.0 m	Missed Survey. Stopped pumps and recycled with success.
31-May-2008 4:10AM	755.0 m	TD reached.
31-May-2008 4:25AM	755.0 m	Pumped up TD survey.
31-May-2008 4:30AM	755.0 m	Powered down unit in order to power ROV unit.
31-May-2008 5:30AM	122.0 m	Unit power regained
31-May-2008 7:00AM	122.0 m	Conducting rig service while awaiting decision from town regarding wiper trip and wellhead.
31-May-2008 9:37AM	122.0 m	Still at 122m MD.

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russo
Run Number: 4

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Run Information

Date In		Date Out		Drilling Distance:		Drilling Hours:	
5-Jun-2008	6:00PM	9-Jun-2008	5:00PM	1,702.00 m	1,702.00 m	50.40 hrs	50.40 hrs
Depth (MD):	758.0 m	to	2450.0 m	Rotary Drilling Distance:	1,702.00 m	Rotary Drilling Hrs:	50.40 hrs
Depth (TVD):	758.0 m	to	2449.5 m	Sliding Distance:	0.00 m	Sliding Hours:	0.00 hrs
Inclination:	0.21 deg	to	1.58 deg	Reaming Distance:	49.00 m	Reaming Hours:	4.50 hrs
Azimuth:	194.47 deg	to	329.48 deg			Hrs Below Rotary:	95.00 hrs
Hole Size:	8.50 in					Total Pumping Hrs:	65.50 hrs
Last Casing Size:	13.375 in			North Ref Used:	Grid North	Min DLS:	0.02 deg/30 m
Last Casing Depth:	746.5 m (MD)			Magnetic Dec:	13.073 deg	Max DLS:	0.51 deg/30 m
Tool Face Arc:	.0 cm			Grid Correction:	-0.774 deg	Max DLS Depth:	768.0 m
Total Face Angle:	0.00 deg			Total Correction:	13.847 deg	Surface Screen:	No
				Est. Mag. Int:	deg	DFS Used:	No
						Inline Filter:	No

Rig Information

Rig Type:	Jack Up	Pump Type:	Triplex
Water Depth:	56.00 m	Pulse Damp Press:	700 psi
Air Gap:	m	Number of Pumps:	3
RKB Height:	40.30 m	Pump Line ID:	6.60 in
Ground Elevation:	96.25 m	Pump Output:	5.85 galUS/stroke
		Pump Stroke Len:	16.00 in

Run Objective

To Drill and log to TD. RT & RM resistivity and gamma ray measurements will be recorded, along with surveys taken every 3 stands as per program.

D&M Crew List:

Cell Manager: Chris Hibberson
 Crew: Chris Hibberson, Cell Manager
 Jun Ikeda, MWD

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length:		m
Rubber:		
Sleeve Position:		
Sleeve Size:		in
Bearing Type:		

RSS Information

RSS Manufacturer:	
RSS Type:	
RSS SN:	
RSS Size:	
Pulse Ht Threshold:	
Min Pulse Width:	
Max Pulse Width:	
Conn Phase Angle:	deg
Rise Time Const:	
Fall Time Const:	
Digit Time:	

MWD Configuration

Mod Type:	QPSK	Int Tool Face Offset:	0.00 deg	Bit Rate:	3 bps	Slimpulse Pulser Config:	
Mod Gap:	0.08000 in	Turbine Config:	400-800 galUS/min	Frequency:	12 Hz	Pred Sig Strength @ TD:	psi
SPT Type:	HA						

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russo
Run Number: 4

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Drilling Parameters

	Min	Max	Avg		
BH Temperature:	33.00 degC	62.00 degC	43.00 degC	Total DH Shocks (k):	0 k
Surface RPM:	137.00 rpm	148.00 rpm	141.17 rpm	Max Shock Level:	0
ROP:	2.50 m/hr	35.50 m/hr	33.77 m/hr	Max Shock Duration:	0 sec
Surface Torque:	0.04 kft.lbf	7.00 kft.lbf	2.82 kft.lbf	Checkshot Type:	
Flow Rate:	795.00 galUS/min	801.00 galUS/min	798.67 galUS/min	Checkshot Depth:	m
WOB Sliding:				Checkshot Incl:	deg
				Checkshot Azim:	deg
				H2S In Well:	No
Average Pump Pressure:	135 psi			SPP Off Bottom:	1,680.00 psi
Turbine RPM @ Min Flow Rate:	4,453 rpm	Min Flow Rate:	795.00galUS/min	SPP On Bottom:	1,306.00 psi
Turbine RPM @ Max Flow Rate:	4,648 rpm	Max Flow Rate:	801.00galUS/min		

Mud Information

Mud Type:	Water Base	Mud Clean:	No	pH:	9.00
Mud Company:	Baroid	LCM Type:		Chlorides:	45,000.00 ppm
Mud Brand:		LCM Size:		Sand Content:	%
Funnel Viscosity:	51.00 s/qt	LCM Concentration:	lbs/bbl	Solids:	%
Plastic Viscosity:	15.00 cp	Weighting Material:	Barite	Percent Oil:	%
Yield Point:	30.00 lbm/100ft2	Mud Weight:	11.00 lbm/galUS		
Mud Resistivity:	0.11 ohm-m				

IADC Bit Grading

Manufacturer:	Hycalog	Total Revs:		IADC Code:	M322
Model:	RSX519M-A2	Stick/Slip:		Jets (/ 32 in):	5X18 2X10
Type:	PDC	Reason Pulled:	Core Point	Bit TFA:	1.39 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
3.00	7.00	RO	T		I	WT

End of Run - Summary

Sync Hours:	48.45 hrs	Downhole Noise:	No	Run Failed:	No
Jamming:	No 0.00 hrs	Surface System Failure:	No	D&M Trip:	No
Surface Vibration:	No	Surface Noise:	No	Low Oil Flag:	No 0.00 hrs
Trans Fail:	No	H2S in Well:	No	Filter Screen/Plug Shear:	No

Client Inconvenience: **No** Lost Time: hrs

Reason for POOH: Core Point

D&M Run Obj Met? [DD and MWD/LWD]: **Yes**

Brief Run Summary:

If not, why?:

RIH while picking up DP. While drilling observed high stick slip. Company man was informed. Experienced good signal, and drilled to TD with no tool problems. Tool did turn off momentarily on one occasion, but this is thought to have been due to excessive flow. TD was called at 2450m MD.

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russo
Run Number: 4

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
FS650-S58834-2	0.00 hrs	65.50 hrs		6.75 in
MDCIX-AB-E0330	0.00 hrs	65.50 hrs		6.75 in
RB6D-BA-41373	0.00 hrs	65.50 hrs		6.75 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
LWD	GammaRay	GeoVision	65.50 hrs		1,702.0 m	95.00 hrs		1,702.0 m	
LWD	Bit Resistivity	GeoVision	65.50 hrs		1,702.0 m	95.00 hrs		1,702.0 m	
LWD	Ring Resistivity	GeoVision	65.50 hrs		1,702.0 m	95.00 hrs		1,702.0 m	
LWD	Button Resistivity	GeoVision	65.50 hrs		1,702.0 m	95.00 hrs		1,702.0 m	
MWD	D&I	TeleScope	65.50 hrs		1,702.0 m	95.00 hrs		1,702.0 m	
MWD	Cont D&I	TeleScope	65.50 hrs		1,702.0 m	hrs			
MWD	Shock and Vibration	TeleScope	65.50 hrs		1,702.0 m	95.00 hrs		1,702.0 m	

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russo
Run Number: 4

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ
BHA Type: Rotary

Rig Name: West Triton
Well Name: Garfish-1

Item	Description	Vendor	Tool Name	Serial Number	Length	OD	ID	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Len
								OD	Len, m	OD	Size	Type	Size	Type	
1	BIT	Hycalog	PDC	215985	0.24 m	8.50							4 1/2"	API REG PIN	0.24 m
2	NEAR BIT STAB	Tasman	NB Stab	Tasman	1.38 m	8.50					4 1/2"	API REG BOX			1.62 m
3	FLOAT SUB	D&M	Float Sub	S58834-2	0.83 m	6.75	2.88								2.45 m
4	DRILL COLLAR	Tasman	Pony DC	Tasman	3.35 m										5.80 m
5	INLINE STAB	Tasman	String Stab	Tasman	2.04 m	8.50									7.84 m
6	LWD	D&M	GeoVISION	41373	3.44 m	6.75									11.28 m
7	MWD	D&M	TeleScope	E0330	8.44 m	6.75									19.72 m
8	DRILL COLLAR	Seadrill	Drill Collars	Seadrill	56.06 m										75.78 m
9	CROSSOVER	Nexus	Crossover	Nexus	0.44 m										76.22 m
10	HWDP	Seadrill	HWDP	Seadrill	56.43 m										132.65 m
11	CROSSOVER	Nexus	Crossover	Nexus	0.51 m										133.16 m
12	JAR	Weatherford	Jar	Weatherford	9.94 m										143.10 m
13	CROSSOVER	Nexus	Crossover	Nexus	1.22 m										144.32 m
14	HWDP	Seadrill	HWDP	Seadrill	47.02 m										191.34 m

Predicted BHA Tendency: _____

Hookload Out:
 Pickup Out:
 Slack Weight:

Wt Below Jars:
 Wt Above Jars:
 Total Air Wt:

Stab Description	Mid Pt to Bit	Blade			Gauge		
		Type	Len	Width	Len	In	Out

Bit to Read Out Port

LWD-GeoVISION	8.80	m
MWD-TeleScope	13.10	m

Bit to Measurement Port

GeoVISION-Ring Resistivity	8.96	m
GeoVISION-Bit Resistivity	4.04	m
GeoVISION-Button Resistivity	9.30	m
GeoVISION-GammaRay	8.59	m
TeleScope-D&I	15.42	m

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Rocco Russ **Location:** MEA-APG-ASQ
Run No: 4

Rig Name: West Triton
Well Name: Garfish-1

From	To	Elapsed	Depth in m		IADC Activity	Description
			From	To		
31-May-2008						
04:30	05:30	1.00	755.0	755.0	Circulate / Condition mud	Displace to Mud
05:30	07:00	1.50	755.0	118.0	PU / LD BHA / Tripping	POOH to casing shoe
07:00	12:00	5.00	118.0	118.0	Lubricate rig / Service	Wain on equip. from town Rig Service, pickup DP.
12:00	13:00	1.00	118.0	118.0	Rig up / Rig down	J.S.A Remove test joint from BOP stack
13:00	15:00	2.00	118.0	118.0	PU / LD BHA / Tripping	Pickup DP while wating on Well Head
15:00	17:00	2.00	118.0	721.0	PU / LD BHA / Tripping	RIH to 721m
17:00	17:30	0.50	721.0	755.0	Reaming / Hole opener / Unc	Washed & Light Ream to bottom.
17:30	18:00	0.50	755.0	755.0	Circulate / Condition mud	Pump Hi Vis. pull displace to inhibited mud.
18:00	21:00	3.00	755.0	0.0	PU / LD BHA / Tripping	POOH to Surface
21:00	23:00	2.00	0.0	0.0	PU / LD BHA / Tripping	Layout BHA
23:00	23:59	0.98	0.0	0.0	Rig up / Rig down	Prepared Wellhead
1-Jun-2008						
00:00	00:30	0.50	0.0	0.0	Other	Install wearbushing, P/up Wellhead R/tool
00:30	03:30	3.00	0.0	0.0	Other	Continue attempting to m/up R/tool. Check backup R/tool and wellhead.
03:30	04:00	0.50	0.0	0.0	Other	L/out wellhead from rotary to deck
04:00	06:00	2.00	0.0	0.0	Other	P/up backup wellhead w/ back up r/tool. Attempt to make up backup wellhead and R/tool.
06:00	09:30	3.50	0.0	0.0	Other	L/out backup wellhead. P/up Primary wellhead w/ xo. Install bolts in wellhead at wear bushing. OK
09:30	12:30	3.00	0.0	0.0	Run casing / cement	R/up to run 13 3/8" casing
12:30	18:30	6.00	0.0	0.0	Run casing / cement	Run 13 3/8" casing as per program.
18:30	19:00	0.50	0.0	0.0	Run casing / cement	R/down spider, fill up tool, R/up 5 1/2" elevator.
19:00	21:00	2.00	0.0	0.0	Run casing / cement	Run 5 1/2" inner string
21:00	00:00	3.00	0.0	0.0	Run casing / cement	P/up well head and make up same. Latch well head on conductor.
2-Jun-2008						
00:00	02:00	2.00	0.0	0.0	Run casing / cement	Rig up and Cement
02:00	05:00	3.00	0.0	0.0	Run casing / cement	Rig down cement and break out wellhead r/tool
05:00	06:00	1.00	0.0	0.0	Other	Jump ROV to intsal trash cap on well head
06:00	09:00	3.00	0.0	0.0	Other	Clear Tx deck and move CTU
09:00	10:00	1.00	0.0	0.0	Run casing / cement	Pick up H4 Connector
10:00	10:30	0.50	0.0	0.0	Run casing / cement	Make up R/tool and rack back
10:30	12:00	1.50	0.0	0.0	Run casing / cement	R/up Weatherford equip. for riser
12:00	17:30	5.50	0.0	0.0	Run casing / cement	P/up and RIH w/ 22" riser and H4 connector
17:30	21:00	3.50	0.0	0.0	Repair rig	Stopped to investigate incident
21:00	00:00	3.00	0.0	0.0	Repair rig	Recover 2nd bushing from diverter housing
3-Jun-2008						
00:00	01:00	1.00	0.0	0.0	Other	Cont. securing grating on T-deck
01:00	04:00	3.00	0.0	0.0	Other	Lower HP Riser and attempt to Stab H4 Connector
04:00	06:00	2.00	0.0	0.0	Other	All stop. Wait on Tide.
06:00	07:00	1.00	0.0	0.0	Other	Jump ROV to assist w/stabbing
07:00	09:00	2.00	0.0	0.0	Other	Halliburton Pressure Test
09:00	09:30	0.50	0.0	0.0	Other	JSA for CTU installation

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Rocco Russ **Location:** MEA-APG-ASQ
Run No: 4

Rig Name: West Triton
Well Name: Garfish-1

From	To	Elapsed	Depth in m		IADC Activity	Description
			From	To		
09:30	12:00	2.50	0.0	0.0	Other	Clear Texas Deck
12:00	19:30	7.50	0.0	0.0	Nipple up BOPs	Installed CTU on Conductor deck
19:30	23:00	3.50	0.0	0.0	Repair rig	Trouble shoot CTU
23:00	00:00	1.00	0.0	0.0	Other	Remove Cplate from clxtn clamp
4-Jun-2008						
00:00	03:00	3.00	0.0	0.0	Other	Cont. work on claxton clamp
03:00	04:30	1.50	0.0	0.0	Run casing / cement	Install cxtn clamp, tension riser
04:30	05:30	1.00	0.0	0.0	Run casing / cement	Release DQ R/tool and L/D
05:30	06:00	0.50	0.0	0.0	Other	R/up to install working platform
06:00	06:30	0.50	0.0	0.0	Other	JSA for platform installation
06:30	09:00	2.50	0.0	0.0	Other	L/D mouse hole and install platform
09:00	09:30	0.50	0.0	0.0	Other	JSA for NU of BOP's
09:30	14:30	5.00	0.0	0.0	Nipple up BOPs	NU BOP's
14:30	15:00	0.50	0.0	0.0	Test BOP	Pressure Test BOP's
15:00	16:30	1.50	0.0	0.0	Nipple up BOPs	JSA for NU C&K lines
16:30	21:30	5.00	0.0	0.0	Nipple up BOPs	NU C&K lines, and diverter
21:30	22:00	0.50	0.0	0.0	Test BOP	Function test BOP's
22:00	00:00	2.00	0.0	0.0	PU / LD BHA / Tripping	M/U 12.25 in BHA and RIH
5-Jun-2008						
00:00	05:30	5.50	0.0	740.0	PU / LD BHA / Tripping	P/U and RIH w/ 12.25 BHA
05:30	09:30	4.00	740.0	755.0	PU / LD BHA / Tripping	Drill Cement and float shoe
09:30	10:00	0.50	755.0	755.0	Other	Drill 12.25" Hole from 755 to 758
10:00	10:30	0.50	758.0	758.0	Circulate / Condition mud	CBU and condition mud
10:30	11:00	0.50	758.0	758.0	Other	Leak off Test
11:00	12:30	1.50	758.0	758.0	Other	Change bails to drilling bails
12:30	15:00	2.50	758.0	87.0	PU / LD BHA / Tripping	Flow Check, POOH 758
15:00	16:00	1.00	87.0	0.0	PU / LD BHA / Tripping	POOH and L/D BHA
16:00	16:30	0.50	0.0	0.0	Other	Clear rig floor and prepare for 8.5" BHA
16:30	18:30	2.00	0.0	76.0	PU / LD BHA / Tripping	Make up 8.5" BHA
18:30	20:30	2.00	76.0	132.0	PU / LD BHA / Tripping	Change elevators and RIH
20:30	21:30	1.00	132.0	144.0	PU / LD BHA / Tripping	Change elevators and p/u jar
21:30	22:30	1.00	144.0	191.0	PU / LD BHA / Tripping	change elevators and RIH
22:30	00:00	1.50	191.0	280.0	PU / LD BHA / Tripping	commence picking up DP
6-Jun-2008						
00:00	00:30	0.50	280.0	368.0	PU / LD BHA / Tripping	Cont. P/U DP and RIH f/280-368m MDRT
00:30	01:00	0.50	368.0	191.0	PU / LD BHA / Tripping	POOH, and Rack Back 6 Stands
01:00	02:00	1.00	191.0	319.0	PU / LD BHA / Tripping	Cont. P/U DP and RIH f/ 191-319m MDRT
02:00	02:30	0.50	319.0	319.0	MWD/LWD service quality	M/U TDS and SHT
02:30	05:30	3.00	319.0	734.0	PU / LD BHA / Tripping	Cont. P/U DP and RIH
05:30	06:00	0.50	734.0	734.0	Lubricate rig / Service	Lubricate TDS
06:00	06:30	0.50	734.0	758.0	PU / LD BHA / Tripping	Calibrate depth, SCR, and wash down to bottom
06:30	00:00	17.50	758.0	1365.0	Drilling	Drilling ahead f/758-1365

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Rocco Russ **Location:** MEA-APG-ASQ
Run No: 4

Rig Name: West Triton
Well Name: Garfish-1

From	To	Elapsed	Depth in m		IADC Activity	Description
			From	To		
7-Jun-2008						
00:00	12:00	12.00	1365.0	1791.0	Drilling	Drilling Ahead f/1365m -1791m MDRT
12:00	21:30	9.50	1791.0	2077.0	Drilling	Drilling Ahead f/1791-2077m MDRT
21:30	22:00	0.50	2077.0	2077.0	Other	Flow check
22:00	00:00	2.00	2077.0	2082.0	Drilling	Drilling Ahead
8-Jun-2008						
00:00	12:00	12.00	2082.0	2188.0	Drilling	Drilling ahead, flow check each connection.
12:00	00:00	12.00	2188.0	2352.0	Drilling	Drilling ahead f/ 2188-2352m
9-Jun-2008						
00:00	04:30	4.50	2352.0	2410.0	Drilling	Drilling ahead
04:30	05:30	1.00	2410.0	2410.0	PU / LD BHA / Tripping	POH and rack back 2 stds PU DP and RIH
05:30	08:30	3.00	2410.0	2450.0	Drilling	Resume Drilling until core point.
08:30	09:30	1.00	2450.0	2450.0	Circulate / Condition mud	Sweep w/ Hi Vis. Circulate Hole Clean
09:30	12:00	2.50	2450.0	1733.0	PU / LD BHA / Tripping	POOH f/ 2450-1733m MD
12:00	13:00	1.00	1733.0	1285.0	PU / LD BHA / Tripping	Cont. Pooh
13:00	13:30	0.50	1285.0	1285.0	Circulate / Condition mud	Make up TDS and pump slug
13:30	16:00	2.50	1285.0	132.0	PU / LD BHA / Tripping	POOH to 132
16:00	17:30	1.50	132.0	0.0	PU / LD BHA / Tripping	POOH and L/D 8.5" BHA
17:30	21:30	4.00	0.0	0.0	PU / LD BHA / Tripping	Make up Coring BHA
21:30	22:00	0.50	0.0	0.0	PU / LD BHA / Tripping	RIH w/ Coring BHA
22:00	00:00	2.00	0.0	0.0	PU / LD BHA / Tripping	Cont. RIH

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russo
Run Number: 4

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

	09-Jun-2008 3:18 AM	07-Jun-2008 7:30 PM	07-Jun-2008 5:49 AM	06-Jun-2008 1:30 PM	06-Jun-2008 10:26 AM	06-Jun-2008 8:15 AM
Field Engineer	Jun Ikeda	Chris Hibberson	Jun Ikeda	Chris Hibberson	Jun Ikeda	Jun Ikeda
Depth	2,393.00 m	2,030.00 m	1,569.00 m	994.00 m	901.00 m	812.00 m
Avg ROP	5.76 m/hr	29.88 m/hr	29.88 m/hr	25.29 m/hr	25.29 m/hr	25.29 m/hr
On Bottom ROP	13.07 m/hr	43.45 m/hr	43.45 m/hr	63.89 m/hr	63.89 m/hr	63.89 m/hr
Flow Rate	801.00 galUS/min	800.00 galUS/min	795.00 galUS/min	800.00 galUS/min	801.00 galUS/min	795.00 galUS/min
Turbine RPM	4,648 rpm	4,720 rpm	4,453 rpm	4,414 rpm	4,414 rpm	4,414 rpm
Surface RPM	148 rpm	140 rpm	142 rpm	140 rpm	137 rpm	140 rpm
WOB Rotating	48.00 klbm	25.00 klbm	23.00 klbm	15.00 klbm	18.00 klbm	14.30 klbm
WOB Sliding						
DH WOB						
Surface Torque	3.50 kft.lbf	7.00 kft.lbf	.69 kft.lbf	4.00 kft.lbf	1.68 kft.lbf	.04 kft.lbf
DH Torque						
Hookload	181 klbm	196 klbm	152 klbm	142 klbm	128 klbm	123 klbm
PickUp Weight	229.00 klbm	201.00 klbm		142.00 klbm		
Slack Weight		194.00 klbm		138.00 klbm		
Friction						
SPP On Bottom	2,726.00 psi	2,600.00 psi	2,407.00 psi	1,950.00 psi	1,307.00 psi	1,306.00 psi
SPP Off Bottom		2,600.00 psi		1,680.00 psi		
Diff Pressure				270 psi		
BH Temperature		62.00 degC	50.00 degC	36.00 degC	34.00 degC	33.00 degC
Total Shocks (k)						
Max Shock Level						
Max Shock Duration						
Torsional Vib						
Lateral Vib						
Axial Vib						
CRPM			143 rpm		139 rpm	141 rpm
Stick/Slip					15	18
Formation		Other	Limestone			
Signal Strength		16.00 psi	55.00 psi	30.00 psi	45.00 psi	56.00 psi
Percent Signal Conf		93 %	91 %	93 %	85 %	99 %

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Rocco Russo **Location:** MEA-APG-ASQ
Run Number: 4

Rig Name: West Triton
Well Name: Garfish-1

Date/Time	Depth	Description
5-Jun-2008 6:00PM	0.0 m	Bit Below Rotary table.
6-Jun-2008 2:28AM	400.0 m	Completed Successful Shallow Hole Test.
6-Jun-2008 5:30AM	736.0 m	Conducted Rig Service
6-Jun-2008 6:09AM	746.0 m	Re-set Block Position
6-Jun-2008 6:22AM	746.0 m	Turned Pumps on
6-Jun-2008 7:03AM	755.5 m	Set Bit Depth
6-Jun-2008 7:07AM	758.0 m	Tagged Bottom and started Drilling ahead
6-Jun-2008 7:54AM	768.3 m	First Survey Pumped up. Tool G=1000.52, Inclination=0.31
6-Jun-2008 10:01AM	857.0 m	Survey Pumped up. Tool G=1000.51, Inclination=0.21
6-Jun-2008 10:15AM	884.3 m	Depth Correction: HD-0.2m
6-Jun-2008 2:32PM	1028.0 m	Drilling ahead @ 50m/hr.
6-Jun-2008 4:11PM	1099.0 m	Drilling ahead 99m/hr backream full standonce at kelly down. Surveys taken every 5 stands.
6-Jun-2008 9:20PM	1283.0 m	picked up off bottom for flow check.
6-Jun-2008 9:28PM	1283.0 m	back on bottom drilling.
6-Jun-2008 11:11PM	1348.0 m	SCR's
7-Jun-2008 12:49AM	1399.0 m	Depth Correction, HD-0.2m
7-Jun-2008 3:57AM	1504.0 m	on bottom drilling ahead
7-Jun-2008 4:35AM	1526.0 m	Conducted SCR's
7-Jun-2008 6:58AM	1614.0 m	MW =10ppg, updated inits
7-Jun-2008 7:22AM	1615.9 m	Baker Depth off by 1 stand. Stopped to correct.
7-Jun-2008 7:23AM	1615.9 m	Depth Correction, HD-0.3m
7-Jun-2008 7:33AM	1625.0 m	Driller observed drilling break. PU off bottom and conducted Flow check.
7-Jun-2008 7:36AM	1625.0 m	Resumed Drilling.
7-Jun-2008 7:50AM	1630.0 m	Spotted top of Latrobe formation
7-Jun-2008 11:36AM	1780.0 m	Observed High StickSlip. Informed Company man. Backed off WOB to 25klbf
7-Jun-2008 12:50PM	1820.0 m	SCR's
7-Jun-2008 1:28PM	1842.0 m	Drilling ahead 40m/hr small 25% stick slip.
7-Jun-2008 8:00PM	2056.0 m	Drilling ahead, 20-50m/hr minimal stick slip.
7-Jun-2008 8:43PM	2070.0 m	Hard volcanics encountered, ROP slowed to below 5m/hr will monitor stick/slip closely as we have high levels, company man is notified.
7-Jun-2008 9:25PM	2077.0 m	pick up off bottom, flow check
7-Jun-2008 9:55PM	2077.0 m	Back on bottom drilling. 3-7m/hr.
8-Jun-2008 1:45AM	2109.0 m	Flow check. False alarm. continued drilling.
8-Jun-2008 2:20AM	2121.0 m	Observed high stick slip. informed company man increased RPM
8-Jun-2008 4:57AM	2142.0 m	MW in 11ppg, out 10.8ppg. Environmental Corrections updated.
8-Jun-2008 6:09AM	2144.0 m	Conducted SCR's
8-Jun-2008 1:18PM	2235.0 m	Drilling ahead 20m/hr High StickSlip, company man is aware of this.
8-Jun-2008 7:26PM	2322.0 m	Drilling ahead 8m/hr.
9-Jun-2008 5:00AM	2410.0 m	Ran out of Drill pipe. Racked back 6 stands. PU 6 joints of DP and RIH.
9-Jun-2008 5:52AM	2411.0 m	Reset Depth following picking up of singles.
9-Jun-2008 6:46AM	2434.0 m	Tool Turned off momentarily. Observed pressure drop for 1-2 seconds, then pressure returned and tool turned back on. Informed driller.
9-Jun-2008 7:43AM	2440.0 m	Circulating bottoms up. Waiting on call from town. Possibly TD. Still possibility of drilling 10 more metres.
9-Jun-2008 7:51AM	2440.0 m	Decision to drill another single.
9-Jun-2008 8:31AM	2450.0 m	TD called. CBU's conducted.

Date/Time	Depth	Description
9-Jun-2008 9:37AM	2450.0 m	Pumped up survey at TD.
9-Jun-2008 9:38AM	2450.0 m	Began Pulling Out of Hole.

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russow
Run Number: 5

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Run Information

Date In		Date Out		Drilling Distance:		Drilling Hours:	
11-Jun-2008	5:00PM	13-Jun-2008	1:00AM	120.00 m		7.50 hrs	
Depth (MD):	2470.0 m	to	2590.0 m	Rotary Drilling Distance:	120.00 m	Rotary Drilling Hrs:	7.50 hrs
Depth (TVD):	2470.0 m	to	2590.0 m	Sliding Distance:	0.00 m	Sliding Hours:	0.00 hrs
Inclination:	1.58 deg	to	1.58 deg	Reaming Distance:	20.00 m	Reaming Hours:	1.25 hrs
Azimuth:	329.48 deg	to	329.48 deg			Hrs Below Rotary:	32.00 hrs
Hole Size:	8.50 in					Total Pumping Hrs:	11.20 hrs
Last Casing Size:	13.375 in			North Ref Used:	Grid North	Min DLS:	0.00 deg/30 m
Last Casing Depth:	746.5 m (MD)			Magnetic Dec:	13.073 deg	Max DLS:	0.00 deg/30 m
Tool Face Arc:				Grid Correction:	-0.774 deg	Max DLS Depth:	0.0 m
Total Face Angle:	deg			Total Correction:	13.847 deg	Surface Screen:	No
				Est. Mag. Int:	deg	DFS Used:	No
						Inline Filter:	No

Rig Information

Rig Type:	Jack Up	Pump Type:	Triplex
Water Depth:	56.00 m	Pulse Damp Press:	700 psi
Air Gap:	m	Number of Pumps:	3
RKB Height:	40.30 m	Pump Line ID:	6.60 in
Ground Elevation:	96.25 m	Pump Output:	5.85 galUS/stroke
		Pump Stroke Len:	16.00 in

Run Objective

To drill and log further 50m of hole. Whilst running in we will be required to log while reaming over section of hole which the core has just been cut from.

D&M Crew List:

Cell Manager: Chris Hibberson
 Crew: Chris Hibberson, Cell Manager
 Jun Ikeda, MWD

DH Motor Information

Manufacturer:	Bit to Bend Dist:	m
Motor Type:	Bearing Play In:	in
Motor Size:	Bearing Play Out:	in
Serial No.:	Bent Sub Angle:	deg
Lobe Config:	Bent HSG Angle:	deg
Stage Length:		m
Rubber:		
Sleeve Position:		
Sleeve Size:		in
Bearing Type:		

RSS Information

RSS Manufacturer:	
RSS Type:	
RSS SN:	
RSS Size:	
Pulse Ht Threshold:	
Min Pulse Width:	
Max Pulse Width:	
Conn Phase Angle:	deg
Rise Time Const:	
Fall Time Const:	
Digit Time:	

MWD Configuration

Mod Type:	QPSK	Int Tool Face Offset:	0.00 deg	Bit Rate:	3 bps	Slimpulse Pulser Config:	
Mod Gap:	0.08000 in	Turbine Config:	400-800 galUS/min	Frequency:	12 Hz	Pred Sig Strength @ TD:	psi
SPT Type:	HA						

Drilling Parameters

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russow
Run Number: 5

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

	<u>Min</u>	<u>Max</u>	<u>Avg</u>
BH Temperature:	72.20 degC	72.20 degC	72.20 degC
Surface RPM:	143.00 rpm	143.00 rpm	143.00 rpm
ROP:	10.79 m/hr	10.79 m/hr	16.00 m/hr
Surface Torque:	1.29 kft.lbf	1.29 kft.lbf	1.29 kft.lbf
Flow Rate:	807.00 galUS/min	807.00 galUS/min	807.00 galUS/min
WOB Sliding:			
Average Pump Pressure:		psi	
Turbine RPM @ Min Flow Rate:	4,609 rpm	Min Flow Rate:	807.00galUS/min
Turbine RPM @ Max Flow Rate:	4,609 rpm	Max Flow Rate:	807.00galUS/min

Total DH Shocks (k):	0 k
Max Shock Level:	0
Max Shock Duration:	0 sec
Checkshot Type:	
Checkshot Depth:	m
Checkshot Incl:	deg
Checkshot Azim:	deg
H2S In Well:	No
SPP Off Bottom:	psi
SPP On Bottom:	2,475.00 psi

Mud Information

Mud Type:	Water Base	Mud Clean:	No	pH:	9.50
Mud Company:	Baroid	LCM Type:		Chlorides:	42,000.00 ppm
Mud Brand:		LCM Size:		Sand Content:	0.50 %
Funnel Viscosity:	60.00 s/qt	LCM Concentration:	lbs/bbl	Solids:	10.80 %
Plastic Viscosity:	16.00 cp	Weighting Material:	Barite	Percent Oil:	%
Yield Point:	29.00 lbm/100ft2	Mud Weight:	11.00 lbm/galUS		
Mud Resistivity:	ohm-m				

IADC Bit Grading

Manufacturer:	Hycalog	Total Revs:		IADC Code:	
Model:	RSX616M-D2	Stick/Slip:		Jets (/ 32 in):	3X14 3X15
Type:	PDC	Reason Pulled:	Total Depth/Casing Depth	Bit TFA:	0.97 in2

Inner Row	Outer Row	Dull Char	Location	Bearings/Seals	Gauge	Other Chars
0.00	0.00	NO	A		I	NO

End of Run - Summary

Sync Hours:	0.00 hrs	Downhole Noise:	No	Run Failed:	No
Jamming:	No 0.00 hrs	Surface System Failure:	No	D&M Trip:	No
Surface Vibration:	No	Surface Noise:	No	Low Oil Flag:	No 0.00 hrs
Trans Fail:	No	H2S in Well:	No	Filter Screen/Plug Shear:	No

Client Inconvenience: No Lost Time: hrs

Reason for POOH: Total Depth/Casing Depth

D&M Run Obj Met? [DD and MWD/LWD]: Yes

Brief Run Summary:

If not, why?:

RIH to top of core section. Reamed down, then began drilling hole at 2470m. Encountered volcanics and decision was made to continue drilling further than planned because of high ROP. Drilled to TD at 2590m. No signal problems throughout run.

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russow
Run Number: 5

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

Equipment on the Run

Equipment	Pump Hours		Software Version	Tool Size
	Start	Cumulative		
FS650-S58834-2	65.50 hrs	76.70 hrs		6.75 in
MDCIX-AB-E0330	65.50 hrs	76.70 hrs		6.75 in
RB6D-BA-41373	65.50 hrs	76.70 hrs		6.75 in

Services on the Run

Equipment	Service	Tool Name	Real Time			Recorded Mode			CAF
			Hours	Failed	Depth	Hours	Failed	Depth	
LWD	GammaRay	GeoVision	11.20 hrs		120.0 m	32.00 hrs		120.0 m	
LWD	Bit Resistivity	GeoVision	11.20 hrs		120.0 m	32.00 hrs		120.0 m	
LWD	Ring Resistivity	GeoVision	11.20 hrs		120.0 m	32.00 hrs		120.0 m	
LWD	Button Resistivity	GeoVision	11.20 hrs		120.0 m	32.00 hrs		120.0 m	
MWD	D&I	TeleScope	11.20 hrs		120.0 m	32.00 hrs		120.0 m	
MWD	Cont D&I	TeleScope	11.20 hrs		120.0 m	hrs			
MWD	Shock and Vibration	TeleScope	11.20 hrs		120.0 m	32.00 hrs		120.0 m	

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russov
Run Number: 5

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ
BHA Type: Rotary

Rig Name: West Triton
Well Name: Garfish-1

Item	Description	Vendor	Tool Name	Serial Number	Length	OD	ID	Fishing Neck		Stab	Bottom Connection		Top Connection		Cumul Len
								OD	Len, m	OD	Size	Type	Size	Type	
1	BIT	Hycalog	PDC	215985	0.25 m	8.50									0.25 m
2	NEAR BIT STAB	Tasman	NB Stab	207A54	1.38 m	8.50									1.63 m
3	FLOAT SUB	D&M	Float Sub	S58834-2	0.83 m	6.75	2.88								2.46 m
4	LWD	D&M	GeoVISION	41373	3.44 m	6.75									5.90 m
5	MWD	D&M	TeleScope	E0330	8.45 m	6.75									14.35 m
6	DRILL COLLAR	Seadrill	Drill Collars	Seadrill	56.06 m										70.41 m
7	CROSSOVER	Nexus	Crossover	Nexus	0.44 m										70.85 m
8	HWDP	Seadrill	HWDP	Seadrill	56.43 m										127.28 m
9	CROSSOVER	Nexus	Crossover	Nexus	0.51 m										127.79 m
10	JAR	Weatherford	Jar	Weatherford	9.94 m										137.73 m
11	CROSSOVER	Nexus	Crossover	Nexus	1.22 m										138.95 m
12	HWDP	Seadrill	HWDP	Seadrill	47.02 m										185.97 m

Predicted BHA Tendency:

Hookload Out:
 Pickup Out:
 Slack Weight:

Wt Below Jars:
 Wt Above Jars:
 Total Air Wt:

Stab Description	Mid Pt to Bit	Blade			Gauge		
		Type	Len	Width	Len	In	Out

Bit to Read Out Port

LWD-GeoVISION	8.80	m
MWD-TeleScope	13.10	m

Bit to Measurement Port

GeoVISION-GammaRay	8.59	m
GeoVISION-Bit Resistivity	4.04	m
GeoVISION-Ring Resistivity	8.96	m
GeoVISION-Button Resistivity	9.30	m
TeleScope-D&I	15.42	m

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Rocco Russ **Location:** MEA-APG-ASQ
Run No: 5

Rig Name: West Triton
Well Name: Garfish-1

From	To	Elapsed	Depth in m		IADC Activity	Description
			From	To		
10-Jun-2008						
00:00	05:00	5.00	538.0	2421.0	Other	continue RIH w/ coring assembly
05:00	05:30	0.50	2421.0	2450.0	Other	lay down single to space out and wash down
05:30	06:00	0.50	2450.0	2450.0	Other	Dropped flow diverting ball SCR's
06:00	12:00	6.00	2450.0	2455.0	Other	Cut core f/ 2450-2455
12:00	22:00	10.00	2455.0	2470.0	Other	cont cut core f/2455-2470
22:00	00:00	2.00	2470.0	2470.0	Other	Attempting to Break core
11-Jun-2008						
00:00	09:00	9.00	2470.0	240.0	PU / LD BHA / Tripping	POH w/coring assembly
09:00	11:00	2.00	240.0	67.0	PU / LD BHA / Tripping	POH f/ 240-67m
11:00	16:00	5.00	67.0	0.0	PU / LD BHA / Tripping	Break Core Barrels and L/d
16:00	18:30	2.50	0.0	185.0	PU / LD BHA / Tripping	P/U and M/U 8.5" BHA
18:30	00:00	5.50	185.0	1875.0	PU / LD BHA / Tripping	RIH with 8.5" BHA
12-Jun-2008						
00:00	01:30	1.50	1875.0	2450.0	PU / LD BHA / Tripping	Continue RIH
01:30	02:45	1.25	2450.0	2470.0	Reaming / Hole opener / Unc	Ream down
02:45	13:52	11.12	2470.0	2590.0	Drilling	Drill to TD
13:52	00:00	10.13	2590.0	100.0	PU / LD BHA / Tripping	POOH

Job Number: 08ASQ0021
Company Rep: Bill Openshaw, Rocco Russow
Run Number: 5

Company: NEXUS ENERGY LIMITED
Location: MEA-APG-ASQ

Rig Name: West Triton
Well Name: Garfish-1

	12-Jun-2008 10:51 AM
Field Engineer	Jun Ikeda
Depth	2,583.00 m
Avg ROP	5.00 m/hr
On Bottom ROP	10.79 m/hr
Flow Rate	807.00 galUS/min
Turbine RPM	4,609 rpm
Surface RPM	143 rpm
WOB Rotating	30.00 klbm
WOB Sliding	
DH WOB	
Surface Torque	1.29 kft.lbf
DH Torque	
Hookload	200 klbm
PickUp Weight	
Slack Weight	
Friction	
SPP On Bottom	2,475.00 psi
SPP Off Bottom	
Diff Pressure	
BH Temperature	72.20 degC
Total Shocks (k)	
Max Shock Level	
Max Shock Duration	
Torsional Vib	
Lateral Vib	
Axial Vib	
CRPM	144 rpm
Stick/Slip	15
Formation	Volcanics
Signal Strength	40.00 psi
Percent Signal Conf	96 %

Job Number: 08ASQ0021 **Company:** NEXUS ENERGY LIMITED
Company Rep: Bill Openshaw, Rocco Russov **Location:** MEA-APG-ASQ
Run Number: 5

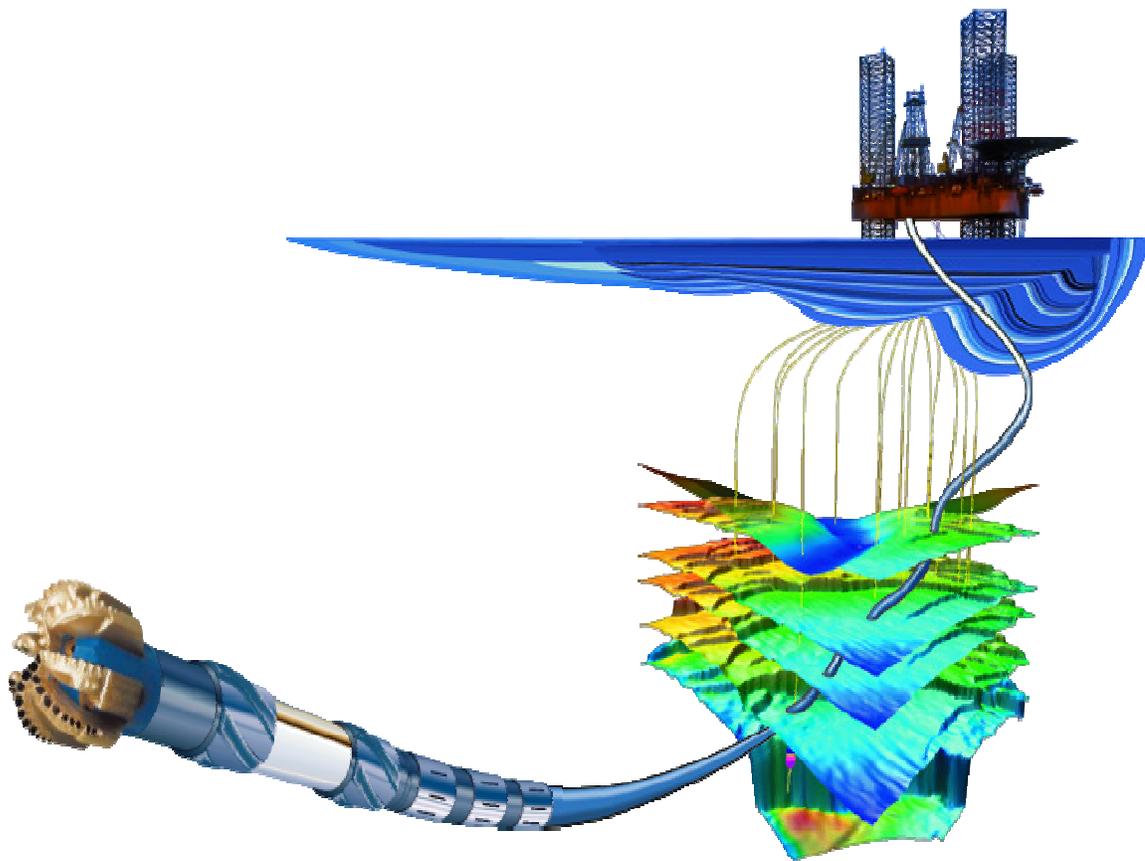
Rig Name: West Triton
Well Name: Garfish-1

<u>Date/Time</u>	<u>Depth</u>	<u>Description</u>
12-Jun-2008 12:30AM	2050.0 m	Flex Chair problems rebooted system.
12-Jun-2008 1:30AM	2435.0 m	Set Bit Depth then began reaming down.
12-Jun-2008 2:26AM	2453.0 m	Flow Check
12-Jun-2008 2:41AM	2449.0 m	Conducted SCR's
12-Jun-2008 2:45AM	2450.0 m	Shut well in after observed signs of flow. False alarm.
12-Jun-2008 7:59AM	2560.0 m	Drilling ahead at 25 m/hr
12-Jun-2008 10:00AM	2581.0 m	Ran out of drill pipe. Waiting on decision from town about picking up pipe to drill on or call td.
12-Jun-2008 10:30AM	2581.0 m	Decision to drill ahead.
12-Jun-2008 1:52PM	2590.0 m	TD called, pump 2x bottoms up then POOH
13-Jun-2008 1:00AM	0.0 m	ART

Run	Hole Size (in)	MWD/LWD Services	Start Depth (m)	End Depth (m)	Distance (m)	Run Start Date	Run End Date
1	36	D&I,GR	96	125	29	28-May-08	28-May-08
2	22	D&I,GR	125	132	7	29-May -08	29-May-08
3	17½	D&I,GR	132	755	623	30-May-08	31-May-08
4	8½	D&I,GR, Res	758	2450	1692	05-Jun-08	09-Jun-08
5	8½	D&I,GR, Res	2470	2590	120	11-Jun-08	13-Jun-08

Run	BRT Hours	Drilling Hours	Circulating Hours	Max Temp (degC)	Trip for MWD	Failure type
1	5.5	1.5	1.6	18	No	None
2	5.5	0.5	1.2	20	No	None
3	42.3	15.0	15.0	25	No	None
4	95.0	50.4	65.5	61	No	None
5	32.0	7.5	11.2	72	No	None

Drill Bit Gradings



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BIT GRADING CHART

BIT RUN Data

BHA #	1
Bit Size:	22
Manufacturer:	Smith
Bit Type:	Milltooth
Serial Number:	34406
New Bit:	No
Number of Nozzles:	4
Size of Nozzles:	3x22 1x18
Number of Blades:	
Number of Cutters:	
Size of Cutters:	
T.F.A. (sq ins):	1.360
W.O.B. :	
Depth Out:	132
Depth In:	96
Distance Drilled:	36
Rotating Hours:	38.0
Steering Hours:	0.00
Distance Rotary:	36
Distance Steered:	na
Drilling Hours:	1.50
Average R.O.P Slide :	na
Average R.O.P Rotary :	23.8
Circulation Rate (GPM):	1198
R.P.M. at Bit:	
K. Revs	
Motor Used:	n/a
Motor Size:	n/a
Good for Rerun:	Yes
IADC Pumping Hours	

WELL DATA

Date:	28-May-08
Drilling Supervisor:	Bill Openshaw
Rig:	West Triton
Well Name:	Garfish-1
Rig Contractor:	SeaDrill
End of run Hole Angle:	0.00
Date in:	28-May-08
Date Out:	28-May-08

MUD AND LITHOLOGY DATA

Formation name	Gippsland Limestone
Majority Formation:	Limestone
Other Formation:	Coal/siltstone
% Formation:	100%
Mud Type:	Sea Water
Mud Weight:	
PV:	
YP:	
% Solids:	
PH (meter):	

COMMENTS:

BIT GRADING (THIS BIT RUN)

(A)	(A)	(B)	(C)	(D)	(E)	(B)	(F)
1	1	WT	A	X	I	No	TD



BIT GRADING CHART

BIT RUN Data

BHA #	2
Bit Size:	22
Manufacturer:	Smith
Bit Type:	Milltooth
Serial Number:	M23173
New Bit:	No
Number of Nozzles:	4
Size of Nozzles:	3x22 1x18
Number of Blades:	
Number of Cutters:	
Size of Cutters:	
T.F.A. (sq ins):	1.360
W.O.B. :	
Depth Out:	132
Depth In:	125
Distance Drilled:	7
Rotating Hours:	0.5
Steering Hours:	0.00
Distance Rotary:	7
Distance Steered:	na
Drilling Hours:	0.50
Average R.O.P Slide :	na
Average R.O.P Rotary :	14
Circulation Rate (GPM):	1198
R.P.M. at Bit:	
K. Revs	
Motor Used:	n/a
Motor Size:	n/a
Good for Rerun:	Yes
IADC Pumping Hours	

WELL DATA

Date:	29-May-08
Drilling Supervisor:	Bill Openshaw
Rig:	West Triton
Well Name:	Garfish-1
Rig Contractor:	SeaDrill
End of run Hole Angle:	0.00
Date in:	29-May-08
Date Out:	29-May-08

MUD AND LITHOLOGY DATA

Formation name	Gippsland Limestone
Majority Formation:	Limestone
Other Formation:	Cement
% Formation:	75%
Mud Type:	Sea Water
Mud Weight:	
PV:	
YP:	
% Solids:	
PH (meter):	

COMMENTS:

BIT GRADING (THIS BIT RUN)

(A)	(A)	(B)	(C)	(D)	(E)	(B)	(F)
0	0	NO	A	X	I	No	TD



BIT GRADING CHART

BIT RUN Data

BHA #	3
Bit Size:	17 1/2
Manufacturer:	Smith
Bit Type:	Milltooth
Serial Number:	117876
New Bit:	No
Number of Nozzles:	4
Size of Nozzles:	3x22 1x18
Number of Blades:	
Number of Cutters:	
Size of Cutters:	
T.F.A. (sq ins):	1.360
W.O.B. :	
Depth Out:	755
Depth In:	132
Distance Drilled:	623
Rotating Hours:	15.0
Steering Hours:	0.00
Distance Rotary:	623
Distance Steered:	na
Drilling Hours:	15.00
Average R.O.P Slide :	na
Average R.O.P Rotary :	34.53
Circulation Rate (GPM):	1187
R.P.M. at Bit:	150
K. Revs	
Motor Used:	n/a
Motor Size:	n/a
Good for Rerun:	Yes
IADC Pumping Hours	

WELL DATA

Date:	31-May-08
Drilling Supervisor:	Bill Openshaw
Rig:	West Triton
Well Name:	Garfish-1
Rig Contractor:	SeaDrill
End of run Hole Angle:	0.00
Date in:	30-May-08
Date Out:	31-May-08

MUD AND LITHOLOGY DATA

Formation name	Gippsland Limestone
Majority Formation:	Limestone
Other Formation:	Coal/Siltstone
% Formation:	100%
Mud Type:	Sea Water
Mud Weight:	8.5
PV:	20
YP:	70
% Solids:	0.70
PH (meter):	

COMMENTS:

BIT GRADING (THIS BIT RUN)

(A)	(A)	(B)	(C)	(D)	(E)	(B)	(F)
2	2	WT	A	E	I	NO	TD



BIT GRADING CHART

BIT RUN Data

BHA #	5
Bit Size:	8 1/2
Manufacturer:	Hycalog
Bit Type:	PDC
Serial Number:	215985
New Bit:	
Number of Nozzles:	7
Size of Nozzles:	5x18 2x10
Number of Blades:	
Number of Cutters:	
Size of Cutters:	
T.F.A. (sq ins):	1.390
W.O.B. :	
Depth Out:	2450
Depth In:	758
Distance Drilled:	1692
Rotating Hours:	50.4
Steering Hours:	0.00
Distance Rotary:	1692
Distance Steered:	na
Drilling Hours:	50.40
Average R.O.P Slide :	na
Average R.O.P Rotary :	33.77
Circulation Rate (GPM):	800
R.P.M. at Bit:	150
K. Revs	
Motor Used:	n/a
Motor Size:	n/a
Good for Rerun:	
IADC Pumping Hours	

WELL DATA

Date:	9-Jun-08
Drilling Supervisor:	Bill Openshaw
Rig:	West Triton
Well Name:	Garfish-1
Rig Contractor:	SeaDrill
End of run Hole Angle:	0.00
Date in:	5-Jun-08
Date Out:	9-Jun-08

MUD AND LITHOLOGY DATA

Formation name	Latrobe
Majority Formation:	Sandstone
Other Formation:	Coal/Siltstone
% Formation:	100%
Mud Type:	KCL Polymer
Mud Weight:	11
PV:	15
YP:	30
% Solids:	
PH (meter):	

COMMENTS:

BIT GRADING (THIS BIT RUN)

(A)	(A)	(B)	(C)	(D)	(E)	(B)	(F)
3	7	RO	T	X	I	WT	CP



BIT GRADING CHART

BIT RUN Data

BHA #	6
Bit Size:	8 1/2
Manufacturer:	Hycalog
Bit Type:	PDC RSX616M-D2
Serial Number:	
New Bit:	Yes
Number of Nozzles:	6
Size of Nozzles:	3x14 3x15
Number of Blades:	
Number of Cutters:	
Size of Cutters:	
T.F.A. (sq ins):	0.970
W.O.B. :	
Depth Out:	2590
Depth In:	2470
Distance Drilled:	120
Rotating Hours:	7.5
Steering Hours:	0.00
Distance Rotary:	120
Distance Steered:	na
Drilling Hours:	7.50
Average R.O.P Slide :	na
Average R.O.P Rotary :	16
Circulation Rate (GPM):	800
R.P.M. at Bit:	150
K. Revs	
Motor Used:	n/a
Motor Size:	n/a
Good for Rerun:	
IADC Pumping Hours	

WELL DATA

Date:	13-Jun-08
Drilling Supervisor:	Bill Openshaw
Rig:	West Triton
Well Name:	Garfish-1
Rig Contractor:	SeaDrill
End of run Hole Angle:	0.00
Date in:	11-Jun-08
Date Out:	13-Jun-08

MUD AND LITHOLOGY DATA

Formation name	Latrobe
Majority Formation:	Sandstone
Other Formation:	Coal/Siltstone
% Formation:	100%
Mud Type:	KCL Polymer
Mud Weight:	11
PV:	16
YP:	29
% Solids:	10.80
PH (meter):	9.5

COMMENTS:

BIT GRADING (THIS BIT RUN)

(A)	(A)	(B)	(C)	(D)	(E)	(B)	(F)
0	0	NO	A	X	I	NO	TD

APPENDIX 11: VSP SURVEY REPORT

Garfish-1 / Nexus Zero-Offset VSP QC Plots

16 June 08 Shoichi Nakanishi / SLB-WL

snakanishi@perth.oilfield.slb.com

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Seismic Source set-up

Downhole Tool: VSI-4 15.24 m spacing
 Gun controller: WSI-A
 Source: Cluster air-gun 2 x 250 G-gun

Downhole record: 5 sec @ 1 msec
 hydrophone : 1 sec @ 1 msec

Borehole Seismic Source Information

Engineer:	D.Watts/ A.Dandi/ M.Dawson		Date:	11-Jun-2008
Well Name:	Garfish-1			
Rig:	West Triton			

<Geometrical Coordinates>	Longitude: 148 15' 17.298" E	Latitude: 38 6' 38.161" S
<UTM Coordinates>	Easting: 610,005.00 mE	Northing: 5,781,170.00 mN

Permanent Datum:	MSL	Elev.:	39.9	Unit:	m
Log Measured From:	DF				

SRD (Seismic Reference Datum):	MSL	Elev.:	0.0	from SLB zero:	39.9 (SRDS)
Water Depth:	56.0				

RIG Heading:	108.0 deg
Rig Crane used:	<input type="checkbox"/> Port side <input type="checkbox"/> Starboard side
Rig Crane azimuth (from Rig Heading):	135.0 deg
Gun Azimuth (Grid North):	20.0 deg (GAZI)
Hy1 Azimuth (Grid North):	20.0 deg
Hy2 Azimuth (Grid North):	20.0 deg
Hy3 Azimuth (Grid North):	deg
Gun Offset:	24.0 (GOFF)
Hydrophone-1 Offset:	24.0
Hydrophone-2 Offset:	24.0
Hydrophone-3 Offset:	24.0

Surface Velocity:	1524 m/s (SVEL)
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Cluster Gun Type:	<input checked="" type="checkbox"/> WSGC-P90 <input type="checkbox"/> WSGC-T90	Gun Type:	<input checked="" type="checkbox"/> WSG-G150 (G-Gun 150cu.inch)	<input type="checkbox"/> WSG-G250 (G-Gun 250cu.inch)
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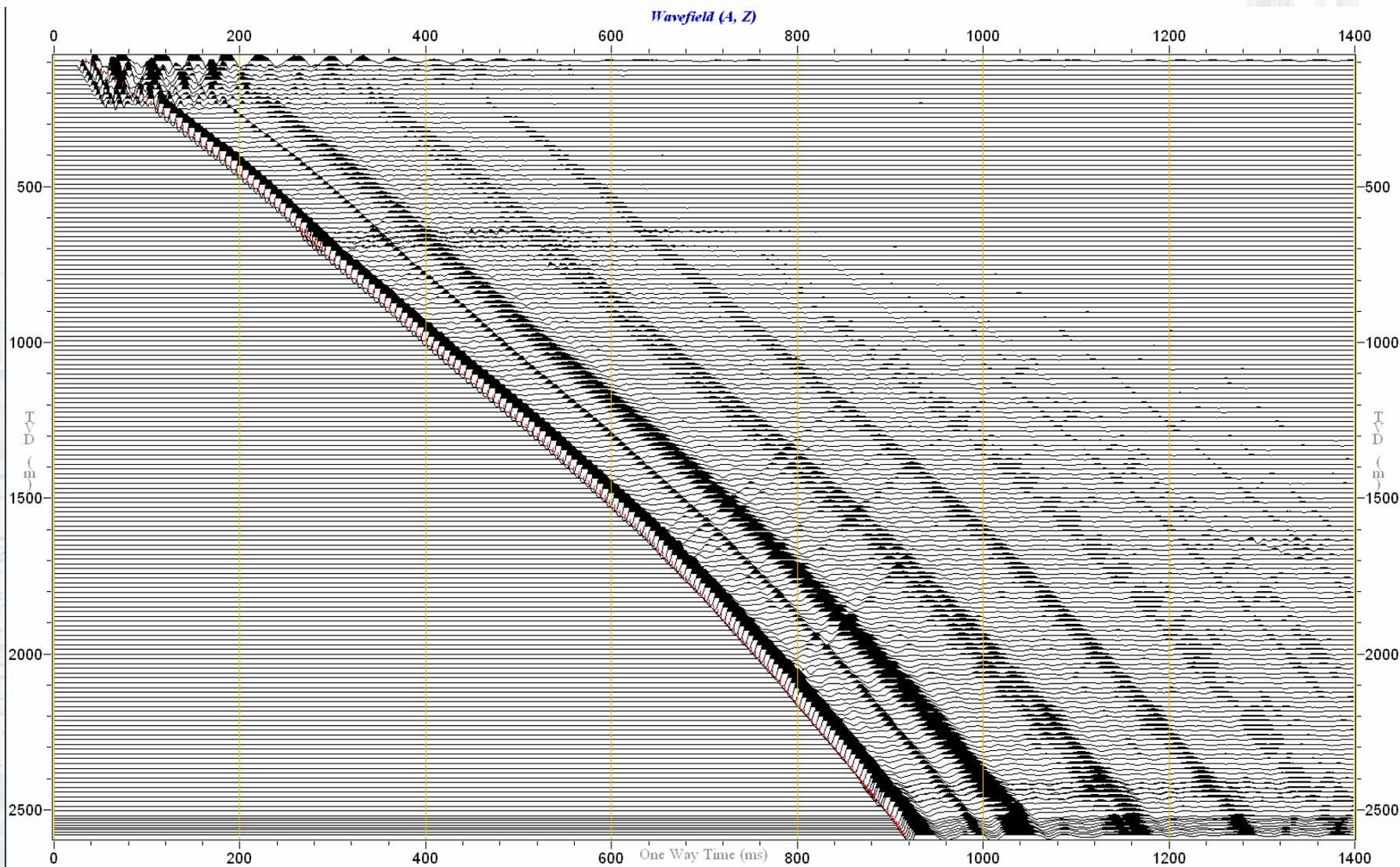
GUN-1 sn:	54540	GUN-1 sn:	54540
GUN-2 sn:	54534	GUN-2 sn:	54534
GUN-3 sn:	000000	GUN-3 sn:	000000

Gun Depth from Local Tide:	5.0	Gun Depth from SLB:	44.9 (GDSZ)
----------------------------	-----	---------------------	-------------

Hydrophone 1 Type:	MP-24L3 (10Hz)	Hy 1 Depth from Gun:	5.0	Hy 1 Depth from LT:	10.0	Hy 1 Depth from SLB zero:	49.9
Hydrophone 2 Type:	MP-24L3 (10Hz)	Hy 2 Depth from Gun:	5.0	Hy 2 Depth from LT:	10.0	Hy 2 Depth from SLB zero:	49.9
Hydrophone 3 Type:	none	Hy 3 Depth from Gun:	5.0	Hy 3 Depth from LT:	10.0	Hy 3 Depth from SLB zero:	49.9

Air Gun Firing Pressure:	1800 psi	Accumulator Pressure (inlet pressure):	4000psi
Source of Air supply:	N2 Gas Bottle Racks		
Air Controller (Regulator) Type:	WAP-LCL	sn:	0777

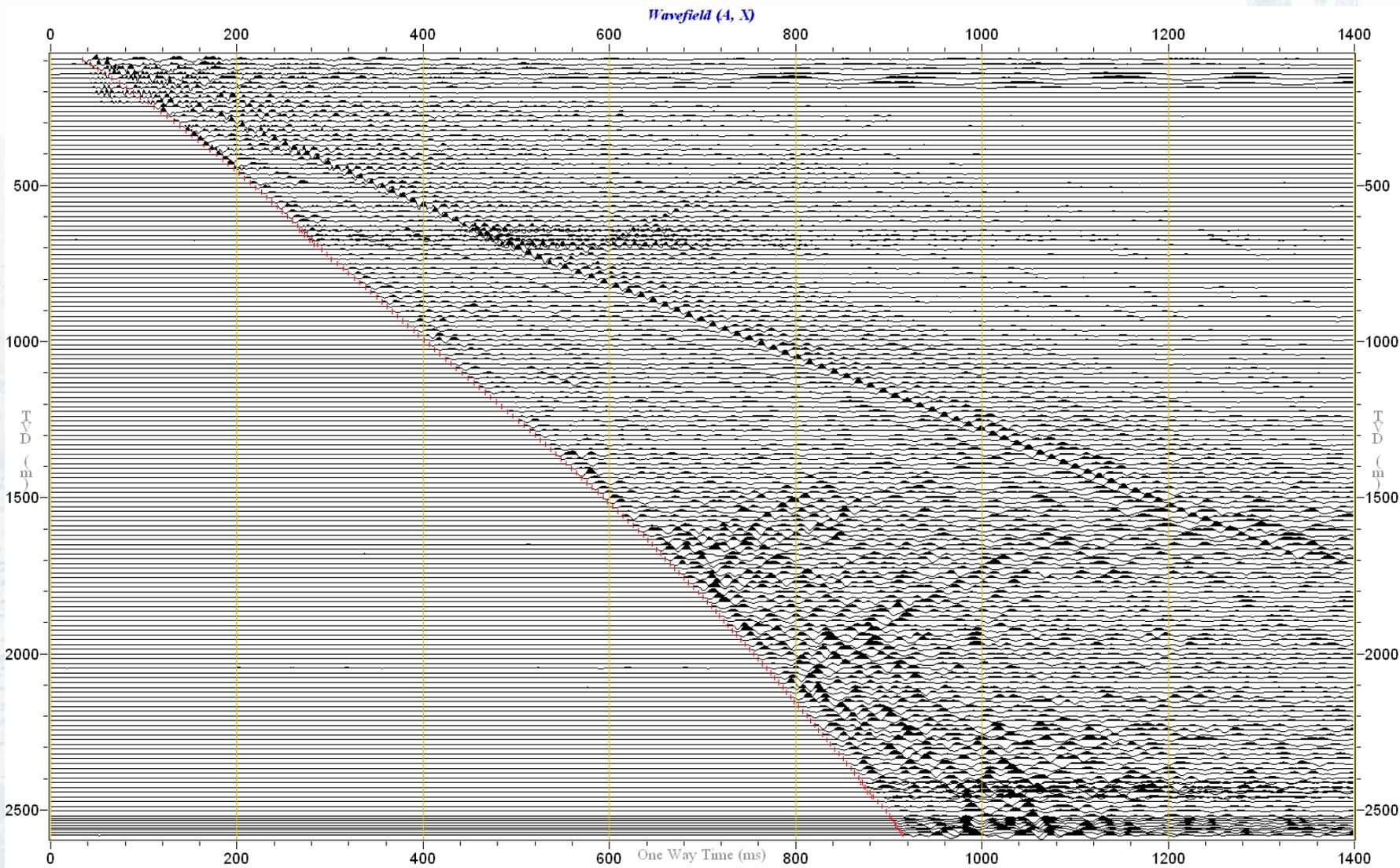
Raw Stack Z (Amplitude normalized)



4 Initials



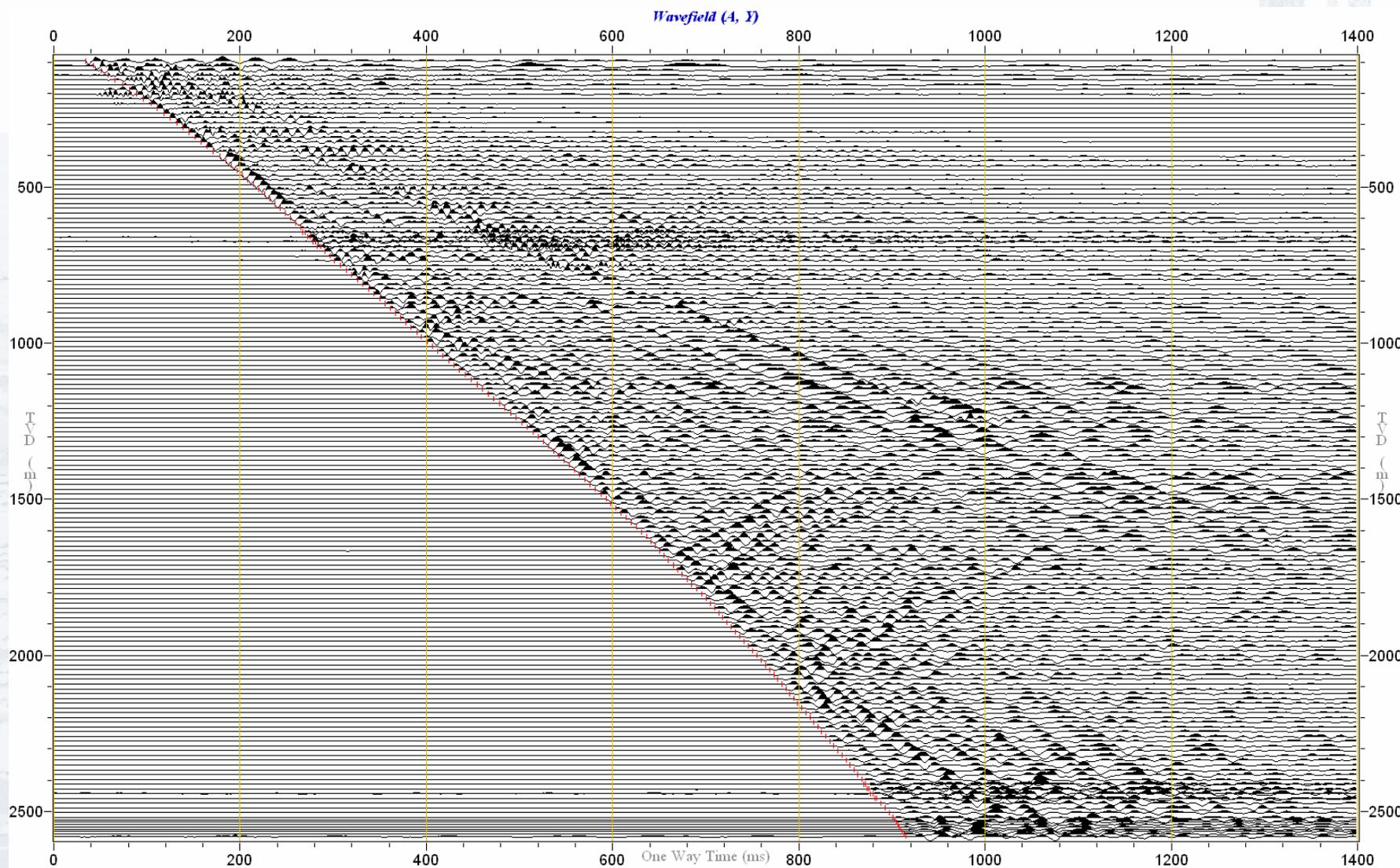
Raw Stack X (Amplitude normalized)



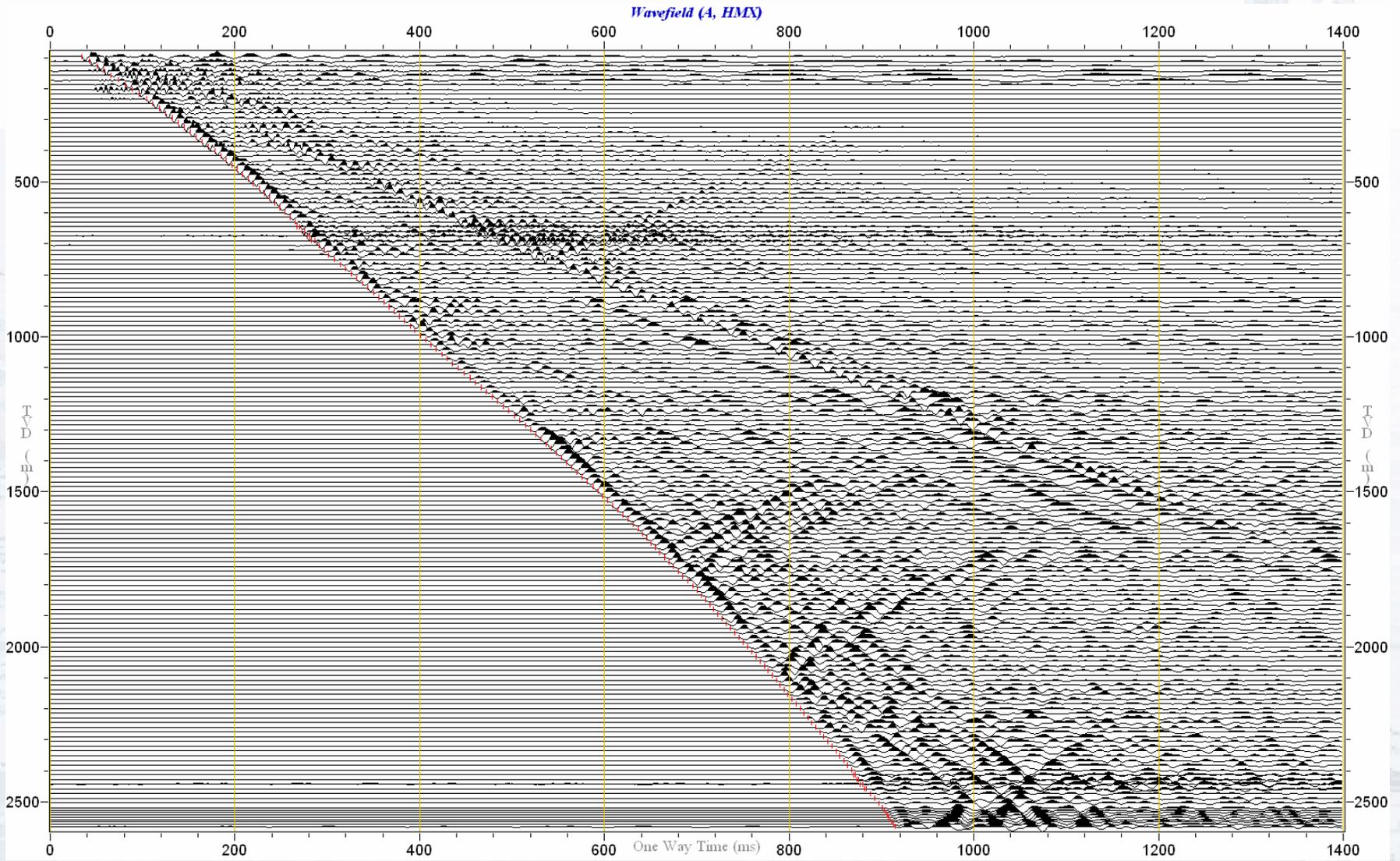
5 Initials



Raw Stack Y (Amplitude normalized)



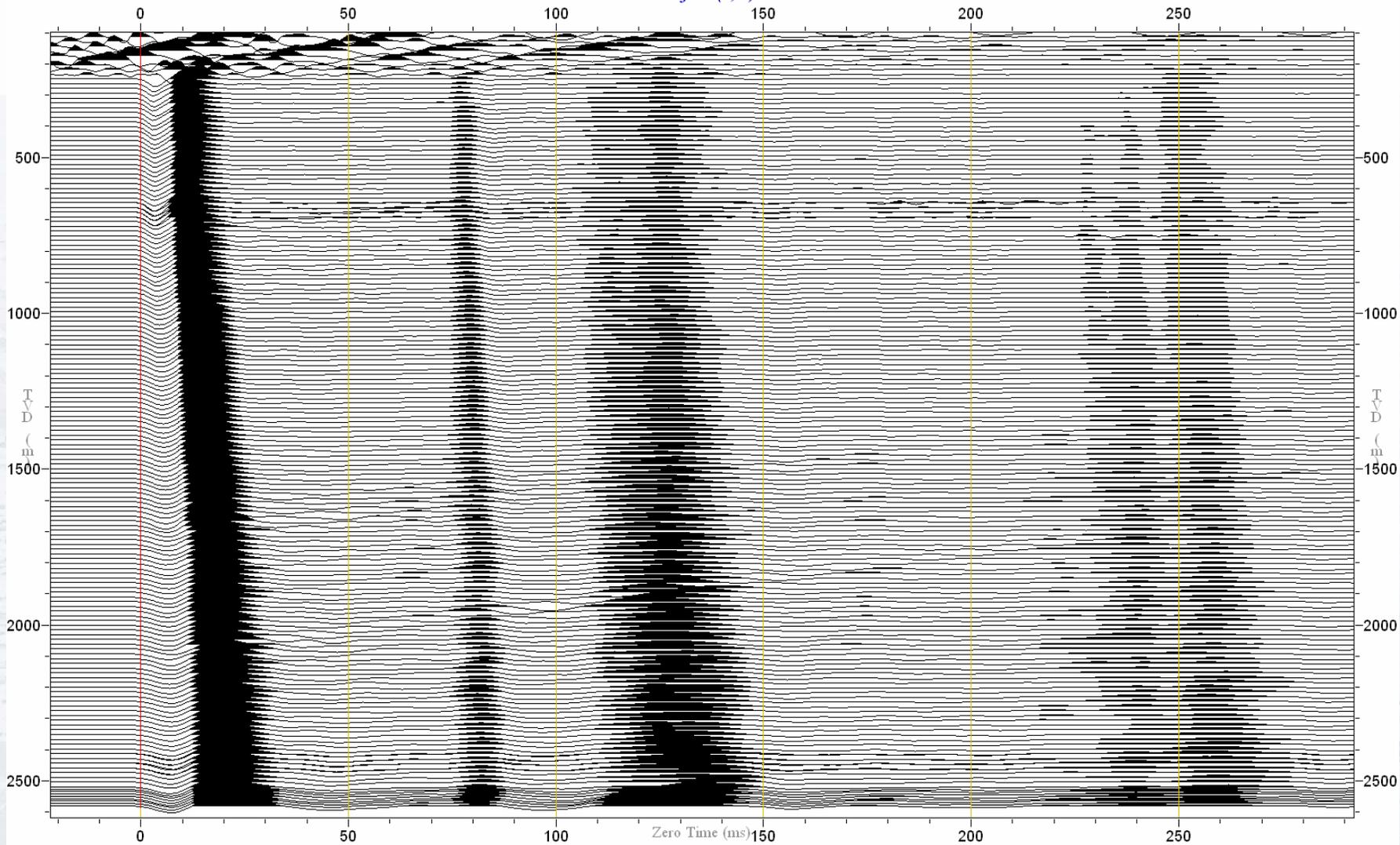
HMX (Amplitude normalized)



Raw Stack Z (Amplitude normalized & Aligned)



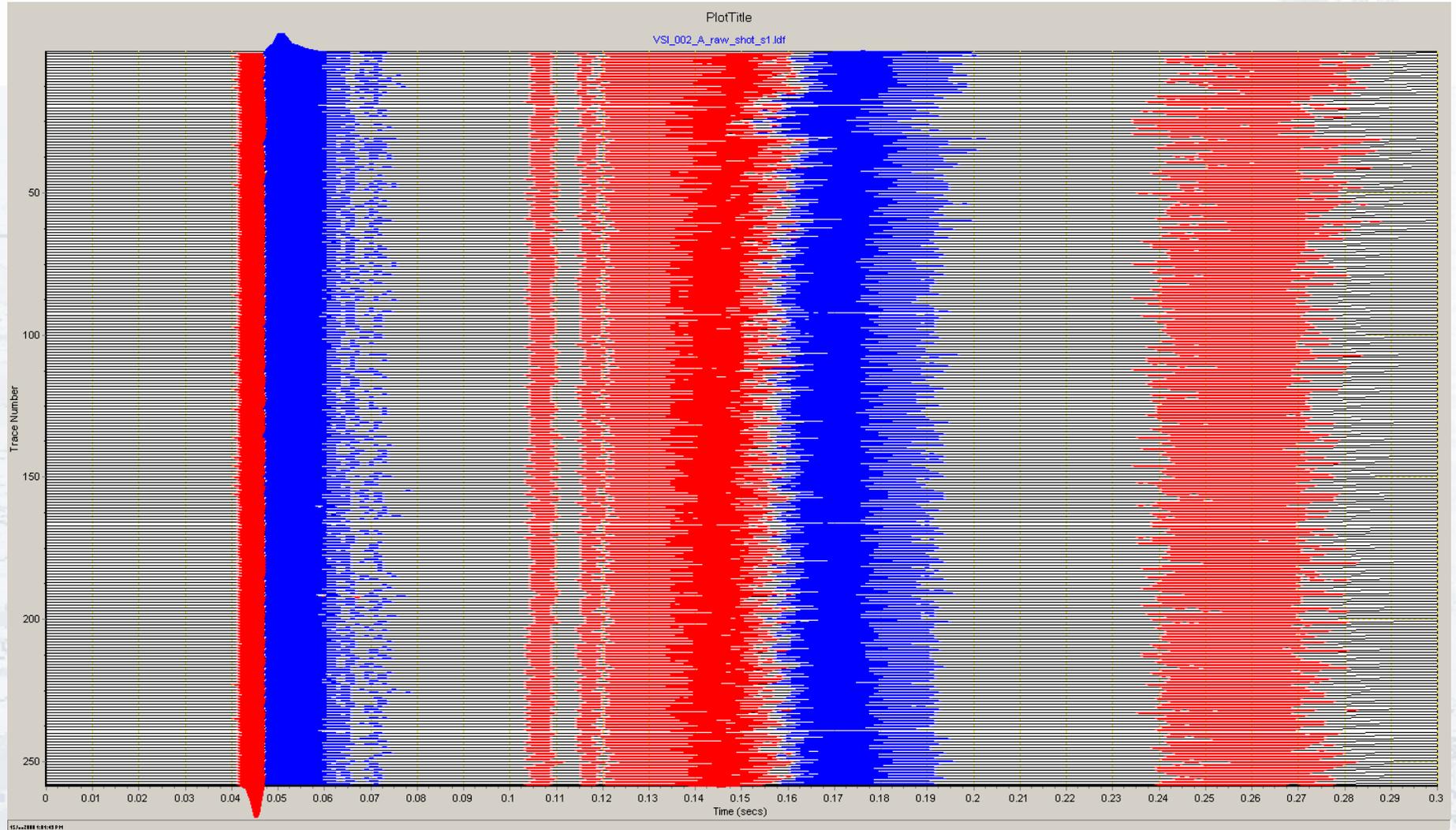
Wavefield (A, Z)



8 Initials

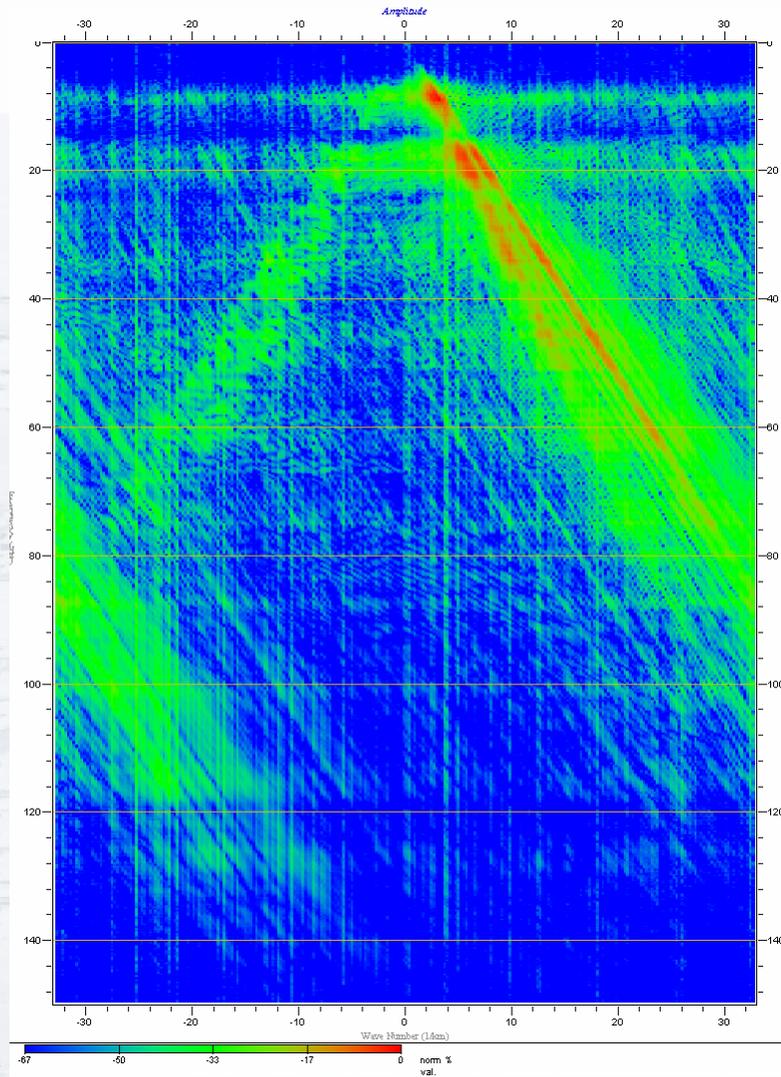


Surface Hydrophone QC

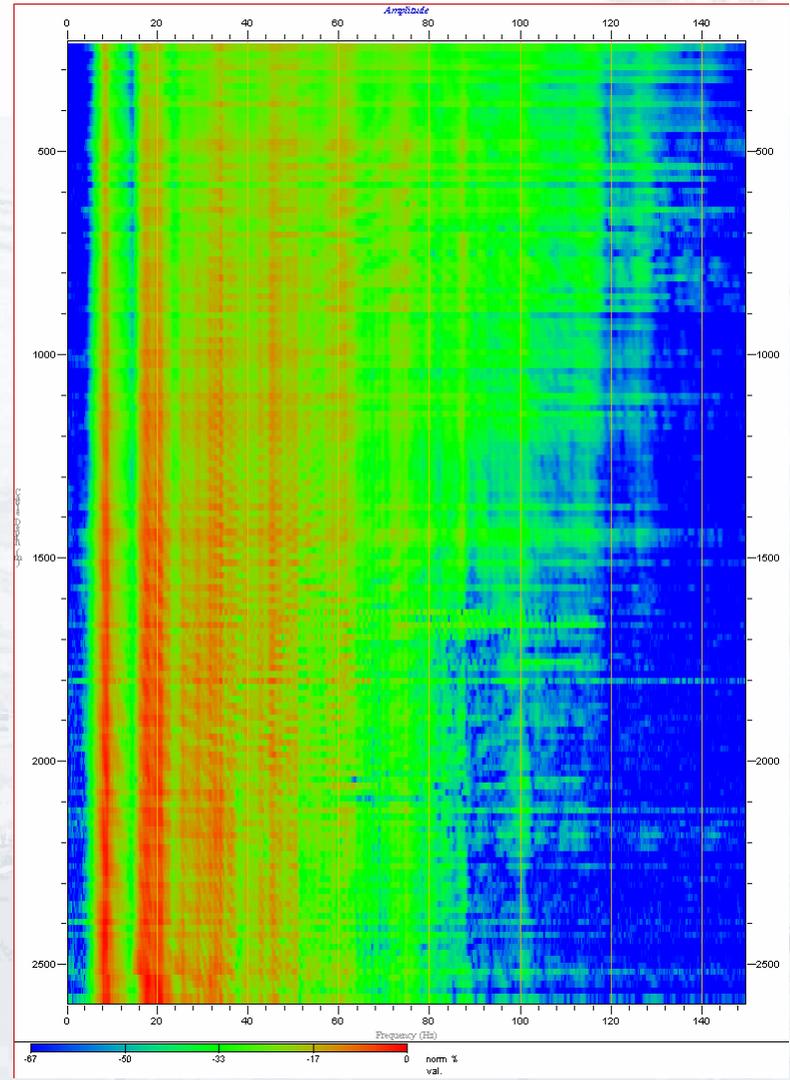


Spectrum

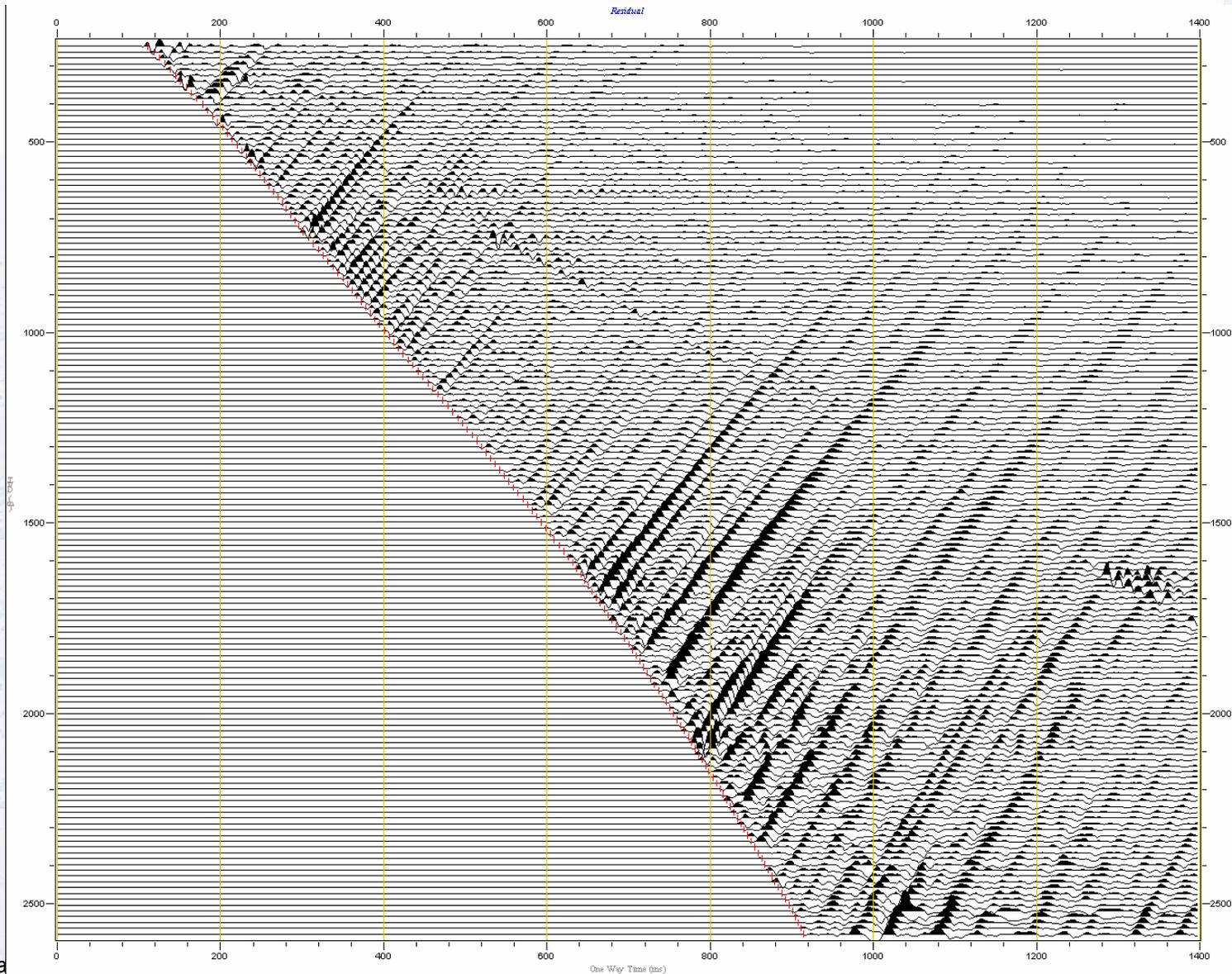
FK



FD

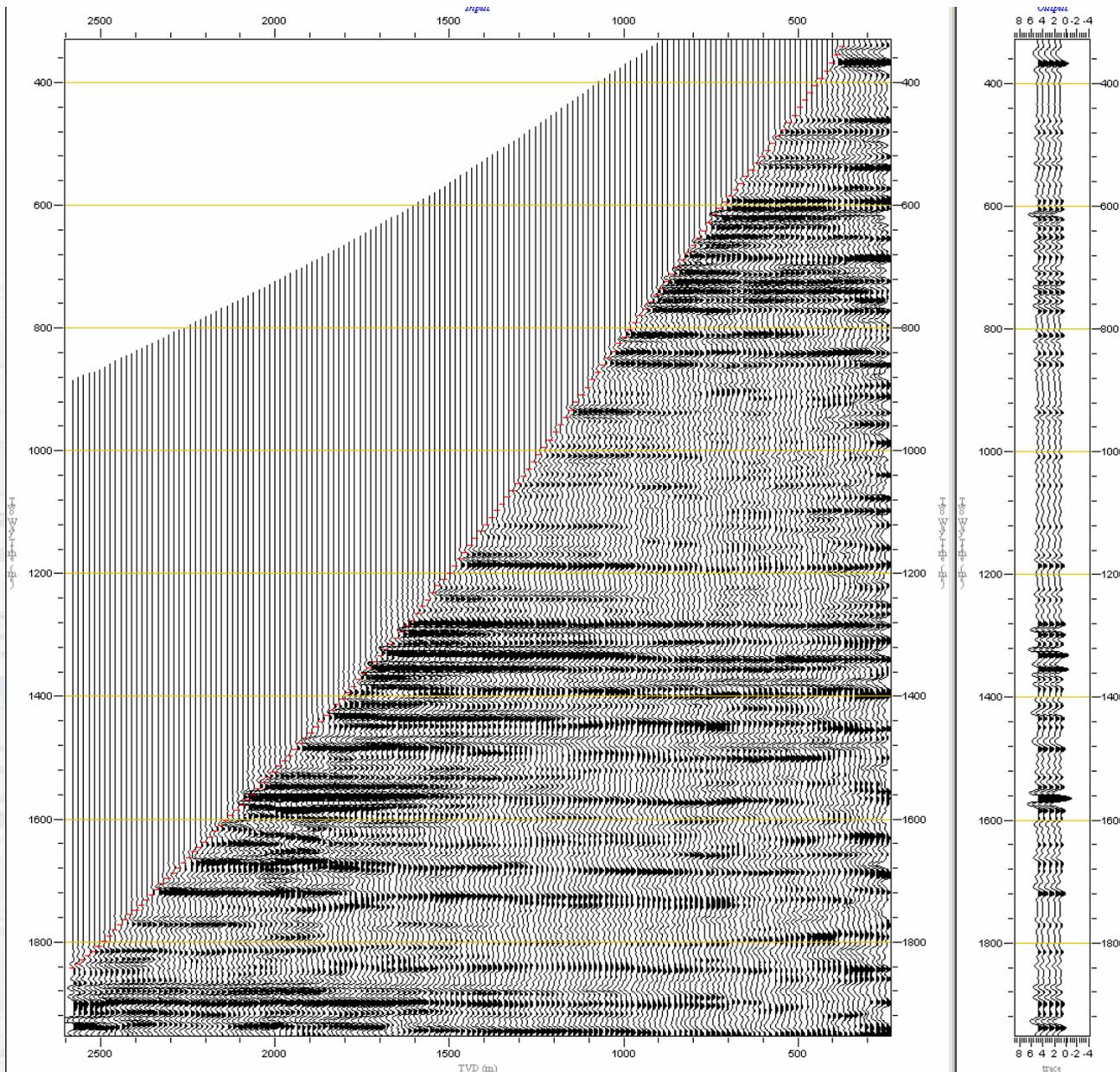


VSP Processing (1'st residual Wavefield)



VSP Processing

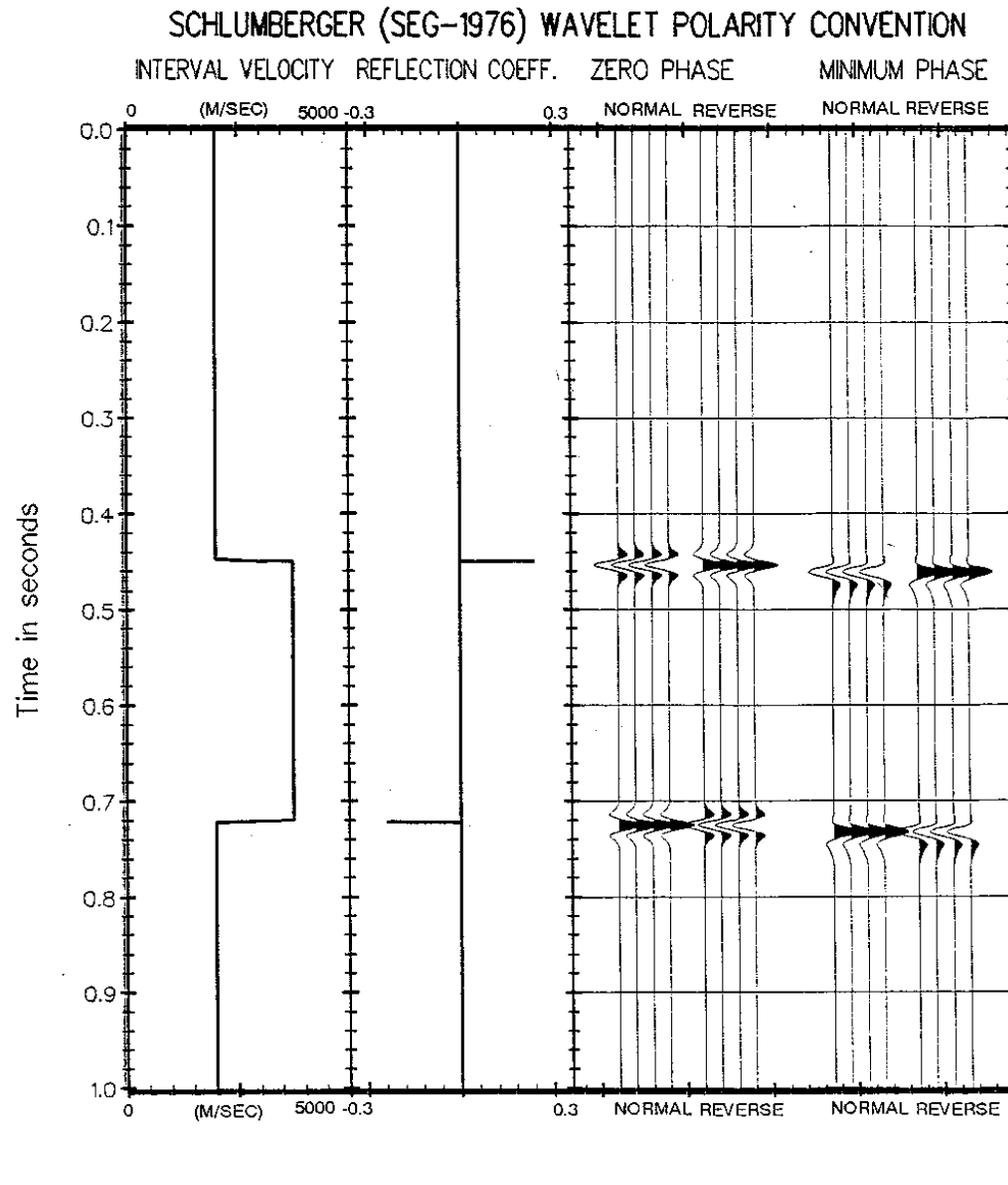
(Corridor stack and Up-going wavefield after Waveshape Decon. 8-90Hz Zero phase reverse)



12 Initials



Schlumberger Wavelet polarity Convention



APPENDIX 12: PALYNOLOGY BASIC REPORT

BASIC DATA.
Palynological analysis of sidewall core samples
between 2020 and 2560 metres in
Garfish-1, offshore Gippsland Basin.

by

Alan D. Partridge

Biostrata Pty Ltd

A.B.N. 39 053 800 945

Biostrata Report 2009/02B

28th February 2009

BASIC DATA.
**Palynological analysis of sidewall core samples between
2020 and 2560 metres in Garfish-1, offshore Gippsland Basin.**

by Alan D. Partridge

Introduction

Twenty-six sidewall core samples have been analysed from the Garfish-1 well drilled by Nexus Energy in Production Licence VIC/L29 (formerly Permit VIC/P54) in the offshore Gippsland Basin. The objective of the study is to provide palynological age dating of the Latrobe Group.

Materials and Methods: The samples analysed were selected and processed in two batches. The first eight samples processed were located to obtain an initial biostratigraphic subdivision of the Latrobe Group. These were prepared by Core Laboratories Australia Ltd using their standard procedure in which the initial dissolution of the samples in hydrofluoric acid is followed by density separation using a zinc bromide heavy-liquid solution to separate the organic fraction of the residues from remaining undissolved mineral matter. This step was then followed by preparation of one kerogen slide per sample and the oxidation of the recovered organic-residues. Unfortunately, most of these initial samples gave disappointingly low yields, and as a consequence the remaining eighteen samples were processed using a modification of the standard procedure whereby the dispersed organic-matter and undissolved mineral matter remaining after the initial acid dissolution were oxidised with nitric acid **before** the density separation using the zinc bromide solution. This modification of the processing stream overall gave more consistent and higher recoveries of organic residues and higher concentrations of the palynomorphs on the slides.

The microscope analysis consisted of an initial count of approximately 150 palynomorphs to determine the proportion of spores and pollen to all types of organic-walled microplankton, as well as the relative proportions of spores, gymnosperm pollen and angiosperm pollen, within this count. Once this initial count was completed the slides were further scanned to record any rare species not observed in the initial count. For low yielding samples all the specimens on the palynological slides were counted.

Results: The basic sample and processing data comprising the cuttings lithologies, sample weights and residue yields (where recorded) are provided on Table 1, while the basic palynomorph assemblage data consisting of the visual organic-residues yields, the palynomorph concentrations on the slides, the state of palynomorph preservation, and the number of species of spore-pollen and microplankton recorded from individual samples are provided in Table 2. The distribution of all species identified are plotted on the accompanying StrataBugs™ range charts.

The organic-residue yields vary from barren to high with approximately equal numbers of rich and poor samples. Similarly, the concentration of the palynomorphs on the slides is about equally split between very low to low and moderate to high. In general, the higher yielding samples contain the higher concentrations of palynomorphs, but this is not always the case. The preservation of the palynomorphs range from very poor to good, but overall is poor to fair. Across all samples the diversity of spores and pollen was moderate averaging 20+ species per sample, while the diversity of microplankton recorded was consistently low averaging less than 3 species per sample in the microplankton productive samples.

Description of Range Chart: The palynomorphs identified in the samples are documented on the accompanying StrataBugs™ range charts which display the recorded palynomorph species in the sidewall cores proportional to their sample depths, and in terms of either their absolute abundance (ie. histograms) or as raw counts. The palynomorphs recorded are also split between different groups. The first panel on the charts is for the categories of S-P (Spore-Pollen). This is for the sum of all angiosperm-pollen, gymnosperm-pollen, and spores in the initial count. The next three panels labelled Spores, Gymnosperms and Angiosperms display the final counts of the individual species within these three categories. The following panel for Microplankton Categories (MPs) displays the count sums of selected groups of organic-walled microplankton groups. The individual species of organic-walled microplankton are then displayed in the next panel labelled Microplankton Species. The final two panels are for all Other Palynomorphs in the assemblages and for Reworked (or RW) Permian, Triassic and Jurassic species recorded in the assemblages. The following codes or abbreviations apply to the individual species occurrences and abundances on the range chart:

Numbers	=	Absolute abundances (number of specimens counted)
+	=	Species outside of count
C	=	Caved species
R	=	Reworked species
?	=	Questionable identification of species.

Author citations for most of the recorded spore-pollen species can be sourced from the papers by Dettmann (1963, 1986), Helby *et al.* (1987), and Stover & Partridge (1973) while the author citations for the microplankton species can be sourced from the indexes for dinocysts and other organic-walled microplankton prepared by Fensome *et al.* (1990) and Williams *et al.* (1998). Manuscript species names and combinations are indicated by “sp. nov.” or “comb. nov.” on the range charts.

References

- DETTMANN, M.E., 1963. Upper Mesozoic microfloras from southeastern Australia. *Proceedings Royal Society Victoria*, vol.77, pt.1, p.1-148.
- DETTMANN, M.E., 1986. Early Cretaceous palynofora of subsurface strata correlative with the Koonwarra Fossil Bed, Victoria. *Association of Australasian Palaeontologists Memoir 3*, p.79-110.
- FENSOME, R.A., WILLIAMS, G.L., BARSS, M.S., FREEMAN, J.M. & HILL, J.M., 1990. Acritarchs and fossil Prasinophytes: An index to genera, species and infraspecific taxa. *American Association Stratigraphic Palynologists Contribution Series No. 25*, p.1-771.
- HELBY, R., MORGAN, R. & PARTRIDGE, A.D., 1987. A palynological zonation of the Australian Mesozoic. In *Studies in Australian Mesozoic Palynology*, P.A. Jell, editor, *Memoir Association Australasian Palaeontologists 4*, p.1-94.
- STOVER, L.E. & PARTRIDGE, A.D., 1973. Tertiary and late Cretaceous spores and pollen from the Gippsland Basin, southeastern Australia. *Proceedings Royal Society of Victoria*, vol.85, pt.2, p.237-286.
- WILLIAMS, G.L., LENTIN, J.K. & FENSOME, R.A., 1998. The Lentin and Williams index of fossil dinoflagellates 1998 edition. *American Association of Stratigraphic Palynologists, Contributions Series, no. 34*, p.1-817.

Table 1. Basic sample data for Garfish-1, offshore Gippsland Basin.

Sample Type	Depth metres	Dominant Lithology (based on hand-specimen examination)	Weight grams	Sample VOM	Sample Yield
SWC 60	2020m	Claystone: medium-light grey	8.8	0.2	0.023
SWC-59	2032.5m	Sandstone: medium grey, fine-grained	7.6		
SWC-58	2040m	Claystone: medium dark grey	6.3		
SWC-57	2047.1m	Claystone: medium grey with trace coal fragments.	7.4		
SWC-55	2054m	Claystone: medium-light grey	7.8		
SWC 52	2095m	Claystone: carbonaceous, dark grey	6.3	0.4	0.063
SWC-50	2103m	Claystone; medium grey	8.9		
SWC-49	2108.2m	Coal	2.8		
SWC 40	2176m	Claystone; medium grey	6.9	0.1	0.015
SWC 32	2268.6m	Claystone medium grey	7.7	0.5	0.065
SWC-30	2299m	Claystone medium grey	7.5		
SWC 29	2337m	Claystone medium grey	7.1	0.1	0.014
SWC-28	2355.5m	Claystone medium grey	8.3		
SWC-27	2358.5m	Claystone medium grey	9.1		
SWC 25	2373m	Claystone medium grey	6.3	0.2	0.032
SWC-24	2376m	Claystone medium grey	7.9		
SWC-22	2387.8m	Claystone medium-dark grey	7.5		
SWC-19	2400.5m	Claystone medium grey	9.5		
SWC-17	2429m	Silty Claystone with interlaminated Sandstone	6.4		
SWC 16	2442.3m	Claystone medium-dark grey	6.9	0.1	0.014
SWC-15	2479.8m	Claystone medium-dark grey	4.7		
SWC-14	2496m	Claystone medium-dark grey	5.7		
SWC 12	2518m	Conglomerate of dark grey mudstone clasts in dark grey lithic sandstone matrix	6.2	0.1	0.016
SWC-6	2530m	Mudstone: light grey and Tuff: off-white	2.9		
SWC-5	2535m	Mudstone: medium grey	6.6		
SWC-2	2560m	Conglomerate of basalt pebbles in lithic Sandstone	3.9		

Average: 6.8

Weight grams = amount of sample processed by Core Labs.

Sample VOM = Wet-volume of Organic-Matter in cubic centimetres after density separation but before oxidation.

Sample Yield = Sample VOM divided by sample Weight.

Table 2. Basic assemblage data for Garfish-1, offshore Gippsland Basin.

Sample Type	Depth metres	Visual Yield	Palynomorph Concentration	Palynomorph Preservation	No. SP Species	No. MP Species
SWC 60	2020.0	Very Low*	Very Low	Fair	12+	NR
SWC-59	2032.5	Moderate	Moderate	Poor-Fair	35+	NR
SWC-58	2040.0	High	Moderate	Fair	40+	NR
SWC-57	2047.1	High	High	Fair-Good	36+	NR
SWC-55	2054.0	High	High	Fair-Good	36+	NR
SWC 52	2095.0	High*	Low	Very poor	30+	NR
SWC-50	2103.0	Moderate	Moderate	Poor-Fair	26+	1+
SWC-49	2108.2	High	High	Poor	34+	NR
SWC 40	2176.0	Very Low*	Very Low	Poor-Fair	18+	NR
SWC 32	2268.6	Low*	Low	Poor-Fair	16+	2+
SWC-30	2299.0	Moderate	Moderate	Poor	23+	NR
SWC 29	2337.0	Very Low*	High	Poor-Fair	17+	2+
SWC-28	2355.5	Low	Low-Moderate	Poor-Fair	20+	3+
SWC-27	2358.5	Low	Low-Moderate	Poor	18+	1+
SWC 25	2373.0	Very Low*	Barren	NA	NR	NR
SWC-24	2376.0	Extremely Low	Extremely Low	Poor	2+	NR
SWC-22	2387.8	High	Moderate	Poor-Fair	31+	7+
SWC-19	2400.5	Very Low*	Very Low	Poor	13+	1+
SWC-17	2429.0	High	Moderate	Poor	25+	3+
SWC 16	2442.3	High	Moderate	Poor	24+	2+
SWC-15	2479.8	Very Low	Very Low	Poor	6+	2+
SWC-14	2496.0	Moderate	High	Poor-Good	25+	2+
SWC 12	2518.2	Moderate*	High	Poor	23+	NR
SWC-6	2530.0	Very Low	Barren	NA	14+	NR
SWC-5	2535.0	Very Low	Very Low	Poor	2+	NR
SWC-2	2560.0	Very Low	Very Low	Poor	NR	NR

*First Batch

Average:**20+****1+**

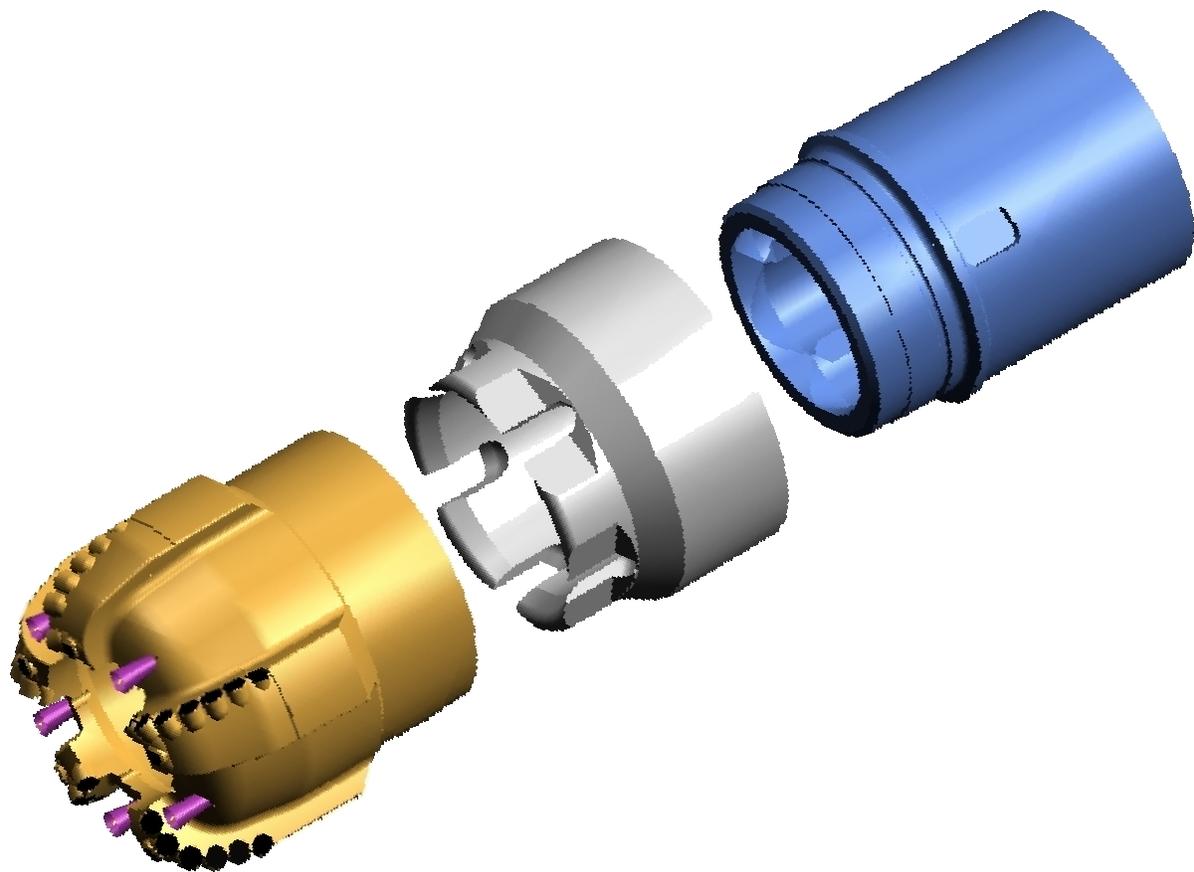
NA = Not Applicable

NR = Not recorded

APPENDIX 13: CORING REPORT



INTEQ



Garfish - 1

INTEQ Coring Services





256 St. Georges Terrace
Perth, Western Australia, 6000
P.O. Box 7768, Cloisters Square
Perth, Western Australia, 6850

25 June 2008

Nexus Energy

Dear Sirs,

This End of Well Summary is submitted to you by Baker Hughes INTEQ for the well, Garfish-1. The objective of coring is to confirm and enhance the geological, depositional and geomechanical models. In addition, this data will be used to evaluate reservoir and petrophysical parameters including porosity, permeability, net sand, and net hydrocarbon bearing sand distribution, relative permeability, capillary pressure and rock strength data. The data is required to optimise reservoir volume determination, assess flow unit deliverability and connectivity and optimise development well completion strategies.

All procedures used for making up the coring assembly were performed safely, efficiently, and without incident.

The job was a challenge and Baker Hughes INTEQ appreciates the technical input, support and team approach that Nexus Energy has provided and shared throughout the project. The entire team at Baker Hughes INTEQ looks forward to continuing our positive working relationship with Nexus Energy when the opportunity arises.

With Regards,

John Robb
Senior Coring Engineer

Nathan Forner
Coring Engineer

Mike Morgan
Asia Pacific Coring Manager

Tim Hill
Coring and Motor Services Manager
Baker Hughes INTEQ; Australia

INDEX

HS&E.....	4
LESSONS LEARNT.....	5
RUN 1.....	6

HS&E

All coring operations were performed safely and without incident during the Garfish-1 well. This safe working environment was created and facilitated by the safety culture embraced by the Nexus Energy Drilling Team.

While on the West Triton, the crew and available service providers were given a presentation by the INTEQ coring crew covering all aspects of the job, from coring operations to the safe and successful retrieval of the core. A detailed Job Safety Analysis (JSA) was held on the rig floor prior to coring operations.

Man riding was successfully eliminated from the coring program by utilising the laydown cradles on the diagonal through the V-door and not the traditional vertical configuration on the rig floor. This was conducted successfully and proved to be an effective alternative. Core Shuttles run through the mouse hole will also be considered in future jobs.

Non Rotating Inner Tube Stabiliser connection pattern was used throughout and together with the hydraulic type core splitter type of the core separation was used when separating the 9m sections on the rig floor. The separation and laydown procedure was a flawless operation with both the coring personnel and rig crew understanding the roles and safe handling practices at every stage.

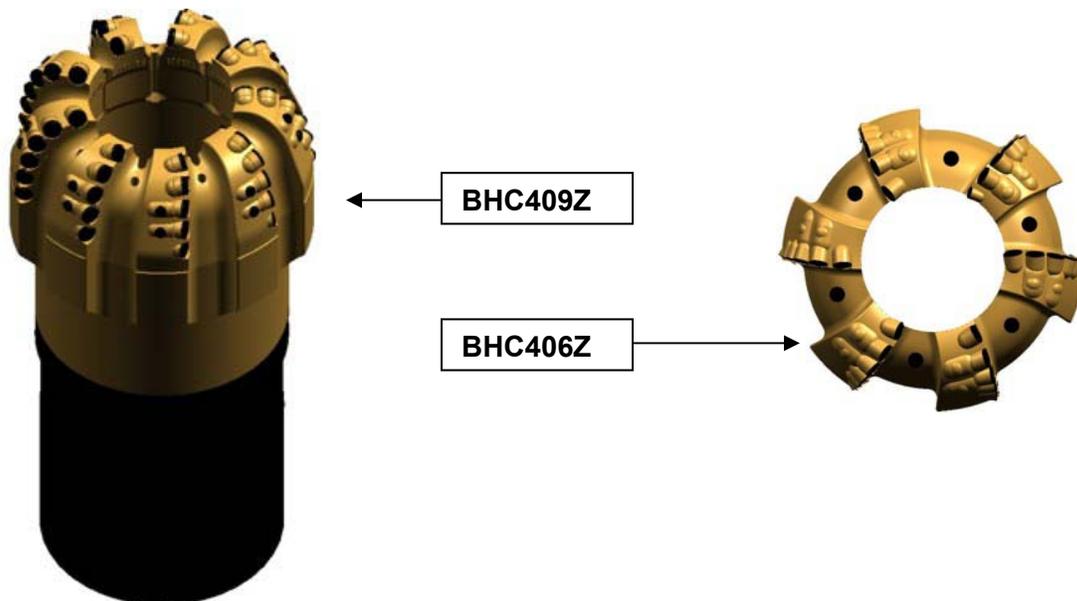
The coring crew participated in the *START CARD* safety program.

Lessons Leant

The well benefited from technical advances and lessons learnt from previous wells to give this outstanding result.

Slow ROP

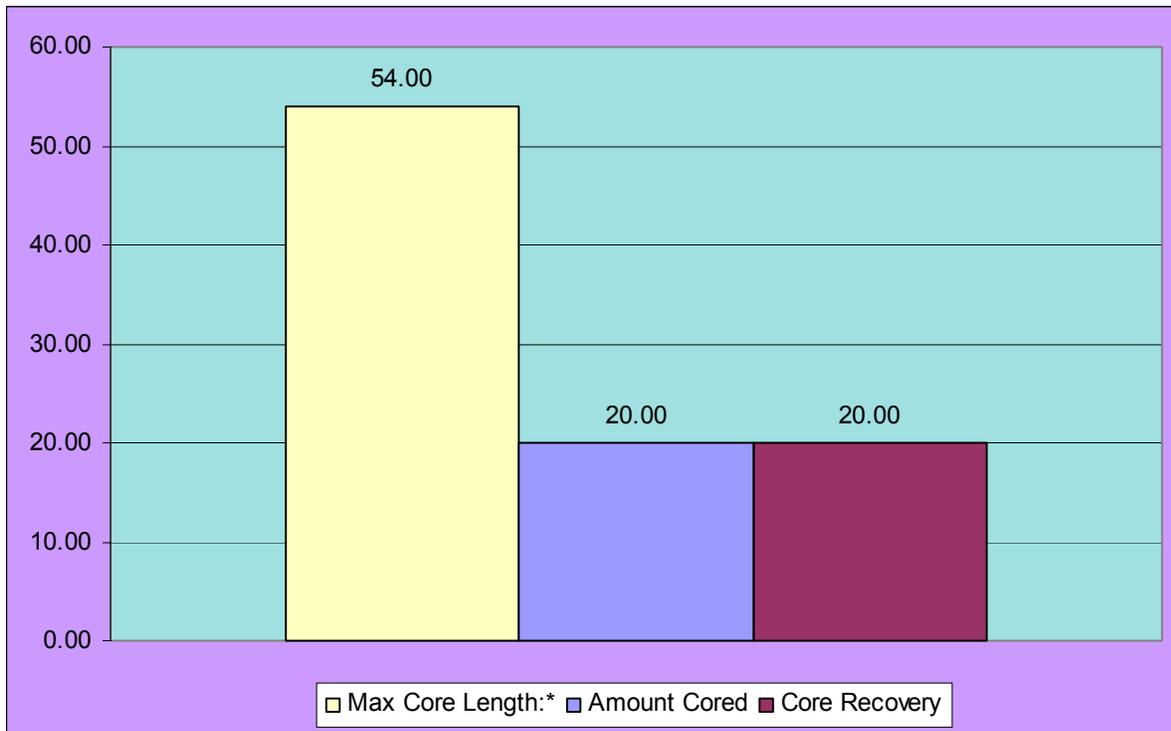
For Garfish-1 the BHC409Z was selected for the coring run. Due to different formations being encountered the ROP was considerably lower than anticipated. With the corehead being pulled green INTEQ's recommendations will be to core the next well with a BHC406Z. This corehead will utilize the same Zenith cutters but with 3 blades fewer giving more overall aggressive performance.



Pre-Torqued Barrels

Nexus has requested for the core barrels to be pre-torqued before being sent to the rig. This will now be the standard practice as the Workshop has been fitted with a Torque Machine.

Run 1



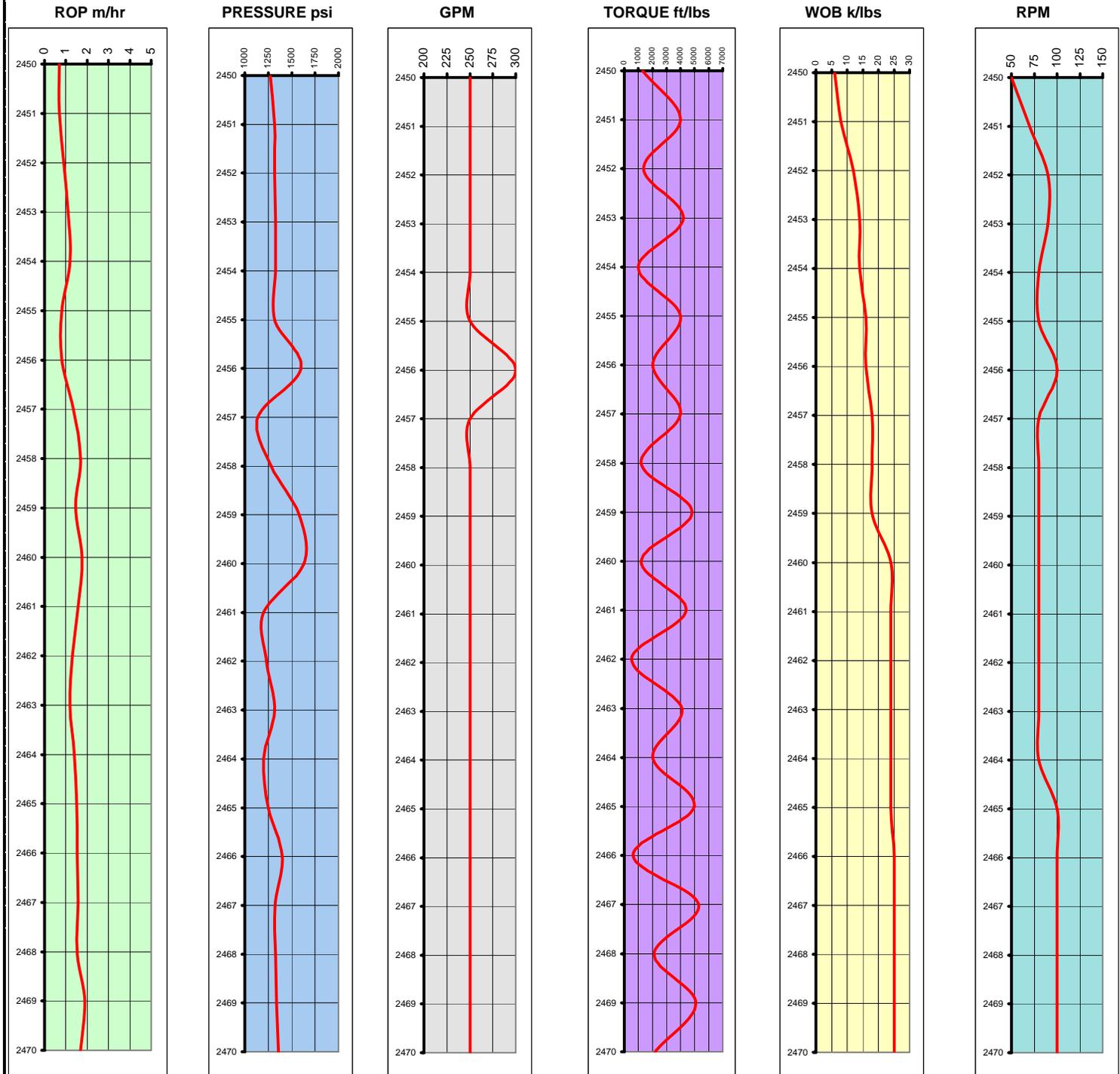


CORELOG



WELL INFORMATION			EQUIPMENT		PERFORMANCE			
Company	Nexus Energy		Core BBL Type & NO:	HT-30 BHI-3352		Core no:	1	
Contractor	Seadrill West Triton		Core BBL Size & length	6 3/4x3 1/2x63m		Interval Cored-I Finish	2,450.0 m	
Well Name	Garfish-1		I.T. Type	Aluminium		Start	2,470.0 m	
Well No.	1		Stab. Size	8 7/16"		Amount Cored	20.00 m	
Field	VIC P29		L. Shoe & Catcher	Pilot/spring		Core Recovery	20.00 m	
State	Victoria		Bit Style & Size	BHC-409z 8 1/2x3 1/2"		% Recovery	100.0% %	
Country	Australia		Bit ser #	7212163		Coring Hours	15.85 Hrs.	
Hole Size	8 1/2"		TFA	1.08 sq.in		ROP	1.26 m/hr	
Hole Angle	1.5 deg.		IADC Dull Grade-Start	New		Reaming	0.00 Hrs.	
Formation	ADMIRAL		IADC Dull Grade- Finish	1-1-NO-A-X-1-NO-TD		CoMan Name	BILL OPENSHAW	
Lithology	Claystone		SPP on/off bottom	1240/1270 psi		Service Engineer Name	J.Robb, N. Forner	
Mud Type	Aqua-Drill		Liner Size	6.5"X12"		Date	9 June 08	
WT 1	1.14	PV 18	SPM	42		District		
WL	5.4	YP 29	GPM	250		Job NO:		
VIS	52	PH 9.5						

OPERATING PARAMETERS



Nexus Energy

Garfish-1

Date

9 June 08



CORE #1

COUNT	ACTUAL CORED	TIME	MINUTES	ROP	WOB	RPM	TORQUE	GPM	PRESSURE	CORE INTERVAL
0	2450.0	06.18	0	0.70	6	50	1,300	250	1,270	2,450.00
1	2451.0	17.43	85	0.70	8	70	4,000	250	1,320	2451.00
2	2452.0	18.47	664	0.90	12	90	1,350	250	1,320	2452.00
3	2453.0	19.43	54	1.10	14	90	4,200	250	1,330	2453.00
4	2454.0	10.34	51	1.20	14	80	1,000	250	1,330	2454.00
5	2455.0	11.44	70	0.80	16	80	4,000	250	1,320	2455.00
6	2456.0	12.57	76	0.80	16	100	2,000	300	1,600	2456.00
7	2457.0	13.45	48	1.36	18	80	4,000	250	1,140	2457.00
8	2458.0	14.20	35	1.70	18	80	1,200	250	1,280	2458.00
9	2459.0	15.01	41	1.46	18	80	4,800	250	1,580	2459.00
10	2460.0	15.35	34	1.76	24	80	1,200	250	1,630	2460.00
11	2461.0	16.13	38	1.57	24	80	4,400	250	1,200	2461.00
12	2462.0	16.58	45	1.30	24	80	500	250	1,230	2462.00
13	2463.0	17.45	47	1.20	24	80	4,100	250	1,320	2463.00
14	2464.0	18.28	43	1.39	24	80	2,000	250	1,200	2464.00
15	2465.0	19.08	40	1.50	24	100	5,000	250	1,250	2465.00
16	2466.0	19.48	40	1.54	25	100	600	250	1,400	2466.00
17	2467.0	20.26	38	1.57	25	100	5,300	250	1,325	2467.00
18	2468.0	21.06	40	1.54	25	100	2,100	250	1,330	2468.00
19	2469.0	21.37	31	1.90	25	100	5,100	250	1,340	2469.00
20	2470.0	22.12	35	1.70	25	100	2,200	250	1,360	2470.00



CORE SUMMARY REPORT



JOB NUMBER

DATE 9 June 08

WELL INFORMATION					
COMPANY	Nexus Energy	WELL NAME	Garfish-1	HOLE SIZE (INS)	8 1/2"
PROVINCE	Bass Straight	WELL LOCATION	VIC P29	HOLE ANGLE	1.5 deg.
CORE DEPTH	2450.00	FIELD	Victoria	COMPANY REP	BILL OPENSHAW
FORMATION	ADMIRAL	CONTRACTOR	Seadrill West Triton	SERVICE REP	J.Robb, N. Forner
LITHOLOGY	Claystone	RIG NUMBER	1	DISTRICT	Australia

BIT INFORMATION						
NO.	STYLE	SIZE	SERIAL NO.	CONDITION BEFORE	CONDITION AFTER	T.F.A.
1	BHC 409Z	8 1/2	7210843	NEW	0-0-N0-A-X-1-PN-PR	1.08

BARREL INFORMATION					
BBL. TYPE	HT-30	INNER TUBE TYPE	3.5	PLASTIC/ALUMINUM LEFT	N/A
BBL. SIZE	6 3/4	INNER STAB.	Yes	JAR MAKE	Rig's
BBL. SERIAL NO.	0	L.SHOE&CATCHER	JAM BUSTER	JAR SERIAL NO.	Rig's
STAB. SIZE	8 7/16"	JAM INDICATOR	NO		

MUD DATA							
PUMP MAKE	National Oilwell	MUD TYPE	Aqua-Drill	% SAND	0.5		
MODEL	14-P-220	MUD WEIGHT	11.00	YP	29		
STROKE LENGTH	12 "	VISCOSITY	55	% OIL	0		
LINER SIZE	6.5"X12"	WATER LOSS	5.4	%SOLIDS	11.3		
PUMP DISP(Gal/Stk)	4.26	PH	9.5				
FLOW RATE	250	PV	18				

TIME 24 HRS		8/06/2008		9/06/2008		10/06/2008	
OPERATION	PICK UP BBL	START IN HOLE	DROP BALL	CORING	CIRCULATING	POOH SERVICE BBL	LAY DOWN
START (HRS)	18.10	21.00	05.54	06.18	22.12	00.30	10.30
STOP (HRS)	21.00	05.30	06.12	22.12	23.55	10.00	15.00
INTERVAL (HRS)	2 HR 30 MINS	8 HRS 10 MINS	18 Mins	15 HRS 51 MINS	1HR 13 MIN	9 HRS 30 MINS	4HR45MINS

BACKGROUND PARAMETERS									
STRING WTS		TORQUE (OFF BOT)		SLOW PUMP RATE		BALL SEAT PRESS INC		OFF & ON BOT PRESS.BALL SEATED	
↑	232K/LBS	60 RPM	1200	30 STKS	500 PSI	FLOW RATE 200 GPM	BOT HOLE TEMP	98 Deg C	
→	227 K/LBS	80 RPM	1200	40 STKS	725 PSI	BEFORE 550 PSI	OFF BOTTOM	1240 PSI	
↓	223 K/LBS	100 RPM	1400	50 STKS	1025 PSI	AFTER 1016 PSI	ON BOTTOM	1270 PSI	

CORE RECOVERY DETAILS					
METERS CORED:	20.00	METERS REC:	20.00	RECOVERY	100.00%
CORING HRS :	15.85	TIME REAMING	0.00	AVE. ROP(m/hr)	1.26

REMARKS: (CORE SUMMARY AND RECOMMENDATION)

At 18:00 hrs a tool box talk was held to discuss safe handling and making up of the core barrel assembly, and inherent problems connected to the rig system .
 At 18:15 hrs, rig crew personnel began to make up the BHC 409Z core bit and barrel assembly, under BHI guidance.
 At 20:45 hrs the barrel was spaced out and ready to run.
 Float sub and circulation sub were run by 21.15 Hrs.

No problems were encountered running in the hole. At 05.05 hours the hole was circulated for 15 min. and bottom confirmed with the pipe tally, after washing down the last stand. The diverter ball was then dropped and landed at 06.12 with a pressure increase of 466 psi. With string weights confirmed, SCR's were taken prior to coring.

Coring started at 06.13 with 4-6 Klb. and 50 RPM. Although the first 60 cm. were cored quickly, the penetration rate slowed quickly. After the first meter the bit weight and rotary speed were increased. After 4 Mtrs. Cored, a loss of torque was experienced although there was no change in pump pressure. A call from Nexus requested an increase in pump rate in the belief the bit was balling, and the flow was increased to 300Gpm. This led to a loss of torque and SPP indicating a core jam. The rotary was stopped and the string raised to 5 Klb overpull. The barrel was put back on bottom and coring continued. A hi-vis pill was then pumped with no discernable effect apart from changing the pump pressures. Coring continued with increased bit weight and rotary speed, and after discussion with town it was agreed to pull out at 2,469 Mtr. if no improvement was seen. At 2,468 Mtr. the ROP began to increase and it was agreed to continue, but no real improvement was seen and the core was terminated at 2,470 Mtrs. (22.12 Hrs)



BOTTOM HOLE ASSEMBLY



Company	Nexus	Date Run	9 June 08
Well Name & No.	Garfish-1	Depth In	2,470 M.
Field	TIMOR SEA	Depth Out	2,450.00 M.
Rig Contractor&No.		Core #	1

Objective For Running BHA: To Cut 54 m (3 -1/2") Core

Bit Mgf: HTC **Core Bbl. S/N**
Bit Type: BHC-409 Z
Bit S/N 7210843 **CBBL Weight :** 12.000 Lbs
TFA: 1.08

Item	Description	Vendor	Serial No.	OD	ID	Top Connection (Box)	Bottom Connection (Pin)	Fishing Neck	Length	Total Length
1	Core Bit	HTC	7210843	8-1/2"	3.5"	HT-30	NA	0.18	0.43	0.43
2	Core Barrel	BHI	S-204	6 3/4"	5-3/8"	4 1/2" IF	4HT 30	0.73	67.05	67.48
3	Float Sub	BHI	40175277	6 13/16"	2 15/16"	4 1/2" IF	4 1/2" IF	SL	0.84	68.32
4	Circulating Sub	BHI	BHI-0947	6 3/4"	2 1/16"	4 1/2" IF	4 1/2" IF	SL	0.78	69.10
5	6 x Spiral DCs	RIG	Rig	6 9/16"	2 3/4"	4 1/2" IF	4 1/2" IF	NA	56.06	125.16
6	Cross over	RIG	Rig	7"	2 3/4"	XT 57	4 1/2" IF	NA	0.44	125.60
7	6 x 5 1/2" HWDP	RIG	Rig	7"	3 1/4"	XT 57	XT 57	NA	56.43	182.03
8	Cross over	RIG	Rig	7"	2 1/2"	4 1/2" IF	XT 57	NA	0.51	182.54
9	JAR	RIG	Rig	6 1/2"	2 3/4"	4 1/2" IF"	4 1/2" IF	0.39	9.94	192.48
10	Cross over	RIG	Rig	6 1/2"	2 1/8"	XT 57	4 1/2" IF	NA	1.22	193.70
11	5 x 5 1/2" HWDP	RIG	Rig	7"	3 1/4"	XT 57	XT 57	0.65	47.02	240.72
									TOTAL BHA:	240.72

Wt below Jars : **26.000** lbs in air
 Total wt of BHA : lbs in air

Wt below Jars :21.000 Lbs in Mud.

APPENDIX 14: ROUTINE CORE ANALYSIS REPORT



ROUTINE CORE ANALYSIS FINAL REPORT
of
GARFISH-1
for
NEXUS ENERGY LIMITED
by
ACS LABORATORIES PTY LTD



Weatherford[®]
LABORATORIES



10th February 2009

Nexus Energy Limited
134 Little Lonsdale Street,
MELBOURNE, VIC 3000

Attention: Carrie Trembath

FINAL REPORT: 0215-02-40
GARFISH-1

CLIENT REFERENCE: Purchase Order. N540000003

MATERIAL: 4" Diameter Core

LOCALITY: VIC/L29

WORK REQUIRED: Routine Core Analysis

Please direct technical inquiries regarding this work to the signatory below under whose supervision the work was conducted.

JARED OLSEN
Laboratory Supervisor

IAN MANGELSDORF
Manger West Region

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CONTENTS

<u>CHAPTERS</u>	Page
1. INTRODUCTION	1
2. STUDY AIMS	3
3. CORE HANDLING, SCREENING & SAMPLING	
3.1 Onsite H S &E	7
3.2 Onsite Core Handling	7
3.3 Core Layout	7
3.4 1/3 : 2/3 Core Slab	7
3.5 Sampling	7
4. SAMPLE PREPARATION	
4.1 Warm Solvent Extraction	9
4.2 Humidity Drying	9
5. TEST PROCEDURES	
5.1 Continuous Core Gamma	11
5.2 Porosity	11
5.3 Permeability	12
5.4 Apparent Grain Density	13
5.5 Core Photography	13
6. TEST RESULTS	
6.1 Ambient & Overburden Test Results.....	14
6.2 Porosity vs Permeability Plot	16
6.3 Ambient vs Overburden Plots	18
6.4 Core Plot	21
7. SAMPLE DISTRIBUTION AND STORAGE	
7.1 Sample Distribution and Storage	23
7.2 Sample Listing	25

CHAPTER 1

INTRODUCTION

1. INTRODUCTION

One, 4 inch diameter, core was cut in the Garfish-1 well, as per the depth interval below.

Core No.	Cored Interval (m)
1	2450.00m – 2469.40m (Rec 19.40m)
	<u>Total:</u> (19.40m)

One ACS technician was dispatched to the rig to handle, stabilise and package the cores for transport to the laboratory, on arrival at surface. The core was marked up with depth and orientation lines, prior to the annulus between the core and the inner barrel, being injected with foam to stabilise the core in the inner barrel.

The core was received at ACS Laboratories Pty Ltd, Perth on the 24th of June 2008.

A routine core analysis study was undertaken as per instructions received from Nexus Energy Limited. The study included the following analyses:

- Continuous core gamma
- Ambient porosity, ambient permeability and grain density
- Overburden porosity and permeability
- Core photography

On completion of the analysis, the core was packed into slabbed core trays for distribution to the relevant Government authorities and client storage.

The following report details the methods and procedures utilised in providing these results. Results are presented in both tabular and graphical formats.

CHAPTER 2

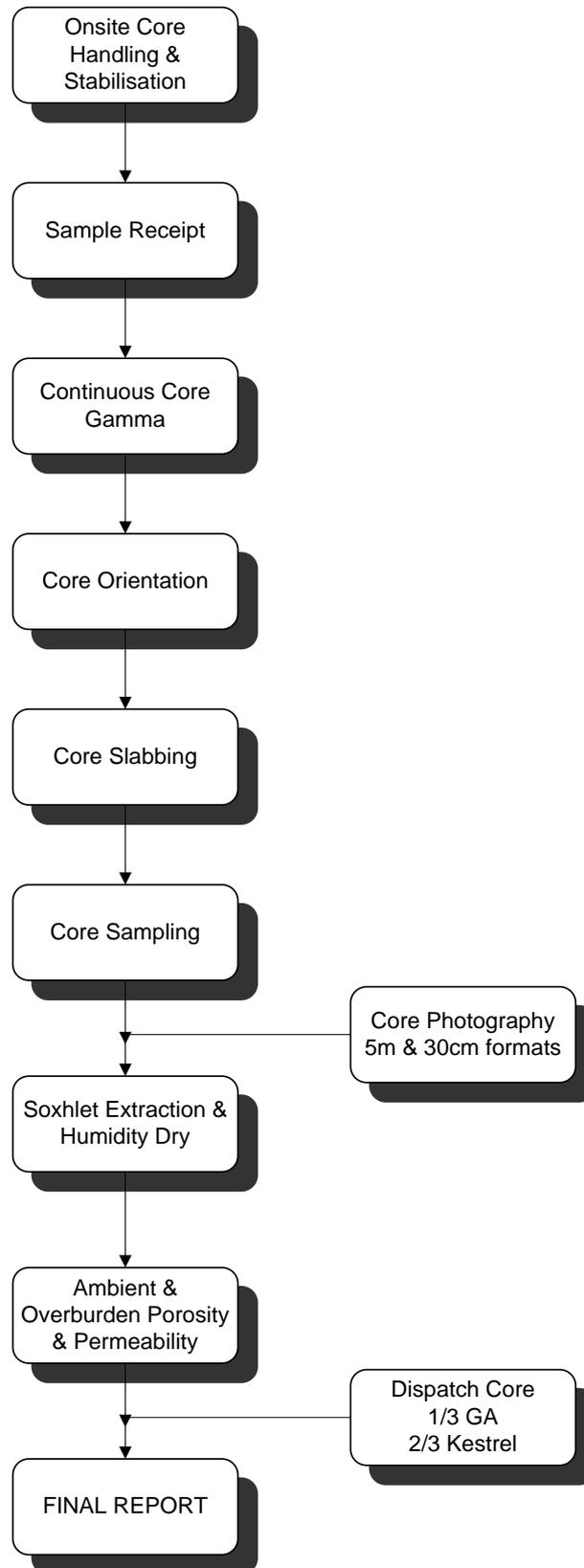
STUDY AIMS

2. STUDY AIMS

The analyses were performed with the following aims:

1. To provide core stabilisation services.
2. To provide depth correlation through the provision of a continuous core gamma log over the cored interval.
3. To provide air permeability, helium injection porosity and density data.
4. To investigate the effect on porosity and permeability due to overburden stress.
5. To provide core photography as a permanent record of the core.

STUDY OUTLINE



CHAPTER 3

CORE HANDLING, SCREENING AND SAMPLING

3. CORE HANDLING, SCREENING AND SAMPLING

3.1 Onsite H S & E

The proposed worksite was assessed by ACS and company representatives prior to a JHA being submitted. The JHA was thoroughly reviewed in conjunction with the Company HS&E representative before being signed off. A copy of the JHA and work procedure was attached to each hot work permit acquired prior to each work period. A number of toolbox meetings were held with the relevant third party operators and Nexus Energy Limited representatives prior to each task being performed (ie. core lay down, stabilisation and packaging).

No accidents or incidents were reported by ACS employees.

3.2 Onsite Core Handling

Once the core was laid down on the catwalk, it was marked with depths (0.5 metre intervals) and red and black orientation lines (red on the right as you look up the barrel). Pilot holes were drilled at one metre intervals along the core prior to the annulus being injected with stabilising foam. Once the stabilisation foam had set, the core barrels were loaded into core barrel baskets for transportation to the laboratory.

3.3 Core Layout

On receipt of the shipment of core at the laboratory, the 9m core barrel lengths were unloaded from the transport crates individually by crane using a spreader beam to minimise flexing of the core barrel. The core was laid out in order from top to bottom and checked off against the shipping manifest. The core was then cut into 1m lengths and removed from the aluminium inner barrel for processing. Representatives from Nexus Energy Limited undertook the core orientation so as to obtain true dip on the slabbed surface prior to slabbing

3.4 1/3 : 2/3 Core Slab

Upon completion of the core gamma, layout and orientation, the core was slabbed longitudinally into 1/3:2/3 sections. All sampling and photography was performed on the 2/3 section. The final slabs were packed into core trays and distributed to the relevant parties as described in section 7.1.

3.5 Sampling

A suite of 1½” diameter, horizontal, RCA plugs were drilled at intervals determined by representatives of Nexus Energy Limited throughout the reservoir quality sections of the core using 10% KCl brine as the bit coolant. The samples were immediately trimmed to 2” long, right cylinders for analysis, wrapped in saran, packed in air tight vials pending analysis. All plug off-cuts were retained for possible future analysis.

A complete sample listing can be found in section 7.2 of this report.

CHAPTER 4

SAMPLE PREPARATION

4. SAMPLE PREPARATION

4.1 Warm Solvent Extraction

The samples were placed in a soxhlet extractor to remove any oil and salt from the samples. The solvent used was 3:1 chloroform methanol. Cleaning continued until a sample of solvent from the soxhlet chamber tested negative to silver nitrate induced salt precipitation, and no fluorescence was observed in the sample under ultra-violet light.

4.2 Humidity Drying

After extraction, the samples were dried under humid conditions of 60°C and 40% Relative Humidity to a constant weight. Once dried, they were stored in individual air tight containers and allowed to cool to room temperature before analysis.

CHAPTER 5

TEST PROCEDURES

5. TEST PROCEDURES

5.1 Continuous Core Gamma

The core was laid out according to depth markings, and a continuous core gamma trace produced by passing the core beneath a gamma radiation detector. The detector is protected from extraneous radiation by a lead tunnel. The detector signal is amplified and digitised to produce a gamma trace for comparison with the down hole log.

5.2 Porosity

The ambient porosity is determined by placing the individual plugs in a sealed matrix cup and a known volume of helium at 100 psi reference pressure introduced to the cup. From the resultant pressure, the unknown volume, i.e. the grain volume, was calculated using Boyles Law.

Each individual sample is then placed into a thick walled rubber sleeve and loaded into a hydrostatic cell. With an 'ambient' confining stress of 400 psi applied to the sample, helium held at 100 psi reference pressure is released into the samples pore space and the pore volume is determined.

The bulk volume of each plug was determined by addition of the grain and pore volumes. The porosity was calculated as the volume percentage of pore space with respect to the bulk volume.

$$\begin{aligned} P_1 V_1 &= P_2 V_2 \\ \Rightarrow P_1 V_r &= P_2 (V_r + V_c - V_g) \\ V_b &= V_p + V_g \\ \text{Ambient Porosity \%} &= \frac{V_p}{V_b} \times 100 \end{aligned}$$

The porosity was then measured at a simulated overburden stress of 2700psi, as supplied by Nexus Energy Limited. The desired confining stress is then applied to the sample, and the pore volume measured at equilibrium. This pore volume, together with the previously determined parameters in the ambient analyses, allow the calculation of porosity at overburden conditions, as follows:

$$\text{Overburden Porosity \%} = \frac{V_p - \Delta V_p}{V_b - \Delta V_b} \times 100\%$$

where	P_1	=	initial pressure (psig)
	P_2	=	final pressure (psig)
	V_r	=	reference cell volume (cm ³)
	V_c	=	matrix cup volume (cm ³)
	V_g	=	grain volume (cm ³)
	V_p	=	pore volume (cm ³)
	V_b	=	bulk volume (cm ³)

5.3 Permeability

The ambient permeability of each clean and dry sample was measured by placing it in a rubber sleeve and loaded into a hydrostatic cell. An 'ambient' confining pressure of 400 psi was applied to prevent bypassing of air around the sample when the measurement is made.

The overburden permeability is determined by placing a plug sample in a hydrostatic cell at the required confining pressure, 2700psi, as supplied by Nexus Energy Limited.

During the measurement, a known air pressure is applied to the upstream face of the sample, creating a flow of air through the sample. Permeability for each sample is then calculated using Darcy's Law, through knowledge of the upstream pressure and flow rate during the test, the viscosity of air and the plug dimensions.

$$K_a = \frac{2000 \cdot BP \cdot \mu \cdot q \cdot L}{(P_1^2 - P_2^2) \cdot A}$$

where	K_a	=	air permeability (milliDarcy's)
	BP	=	barometric pressure (atmospheres)
	μ	=	gas viscosity (cP)
	q	=	flow rate (cm ³ /s) at barometric pressure
	L	=	sample length (cm)
	P_1	=	upstream pressure (atmospheres)
	P_2	=	downstream pressure (atmospheres)
	A	=	sample cross sectional area (cm ²)

5.4 Apparent Grain Density

The apparent grain density is calculated by dividing the weight of the plug by the grain volume determined from the helium injection porosity measurement.

$$\text{Grain Density} = \frac{Wt}{Vg}$$

$$\begin{array}{l} \text{where } Wt = \text{weight of sample (g)} \\ Vg = \text{grain volume (cm}^3\text{)} \end{array}$$

5.5 Core Photography

The digital core photography was carried out on the 2/3 slab of core.

Photographs were taken of the entire core under both white light and ultra violet light in a 5m format and white light only in a high definition 30cm format.

One set of the 5m format white light and ultra violet light photos were supplied in hardcopy prints and electronic form, along with the 30cm high definition format in electronic format only.

CHAPTER 6

TEST RESULTS

6.1 Ambient & Overburden Test Results

CORE ANALYSIS FINAL REPORT

Company : Nexus Energy Limited
Well : Garfish-1
Field :
Core Int. : 2450.00 - 2469.35m

Date : 22/09/2008
File : 0215-02-40
Location : Bass Straight
Analysts : SR HJ

Overburden Pressure 1: 2700 psi

Sample Number	Depth	Dir	Ambient Porosity	OB1 Porosity	Grain Density	Ambient Permeability	OB1 Permeability	Remarks
1	2450.04	H	4.8	4.7	2.70	0.01	0.01	
2	2451.33	H	12.5	11.8	2.71	0.06	<0.01	
3	2452.28	H	10.4	10.1	2.71	0.03	<0.01	

CHAPTER 6

TEST RESULTS

6.2 Porosity vs Permeability Plot

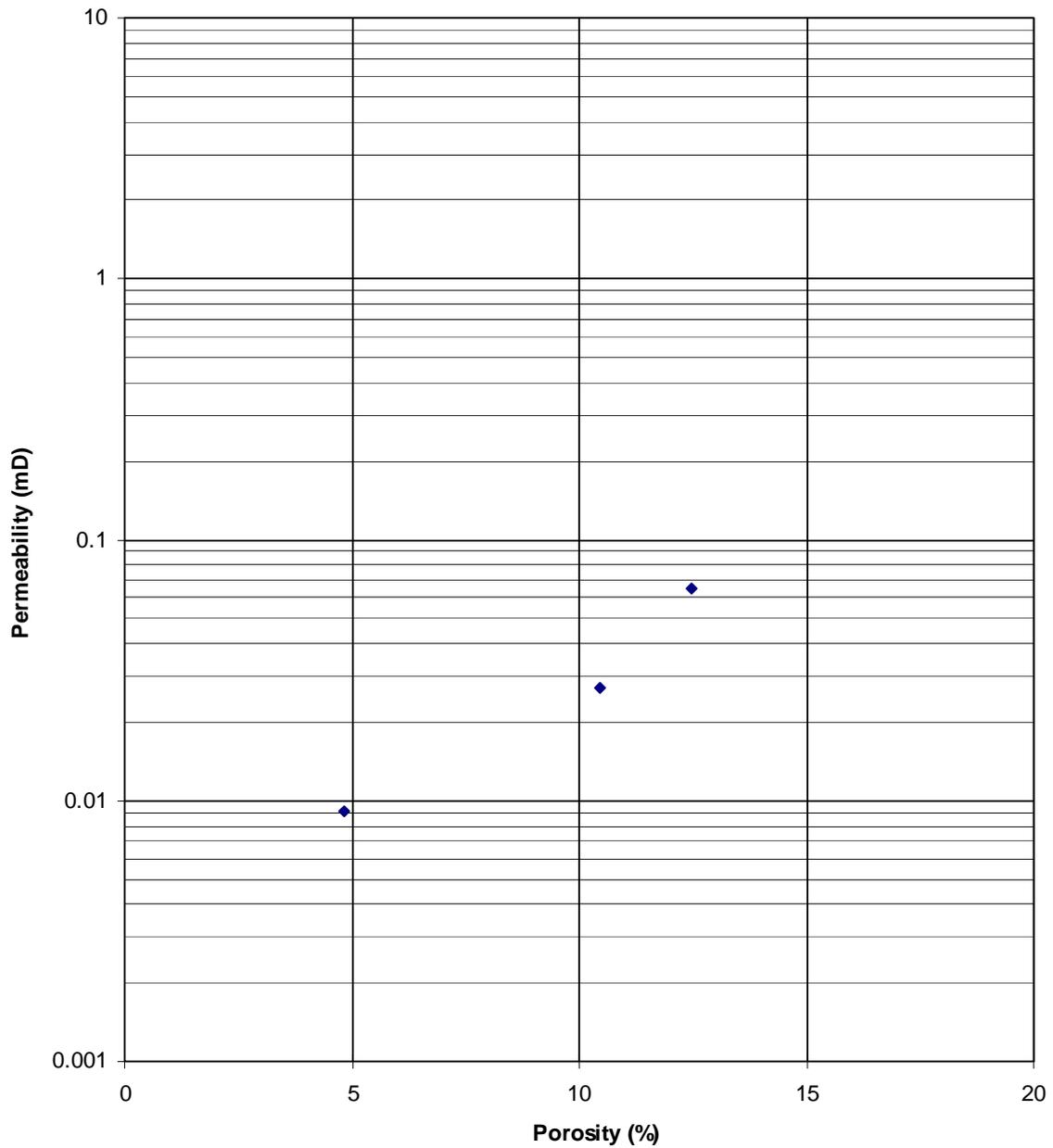
POROSITY vs PERMEABILITY



Client: Nexus Energy Limited

Well: Garfish-1

Depth: 2450.00 - 2469.35m



CHAPTER 6

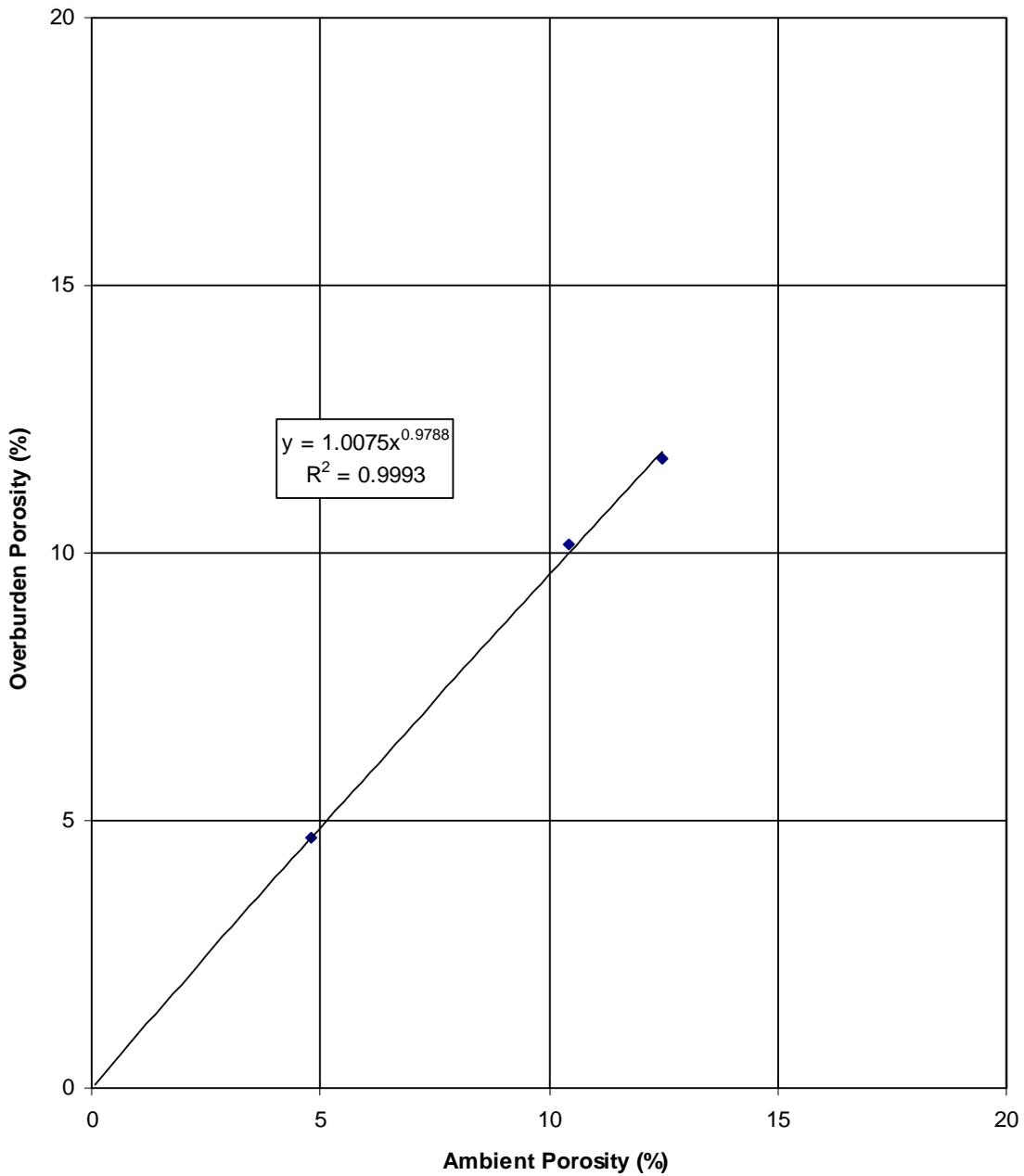
TEST RESULTS

6.3 Ambient vs Overburden Plots

POROSITY
AMBIENT vs OVERBURDEN
2700 psi



Client: Nexus Energy Limited
Well: Garfish-1
Depth: 2450.00 - 2469.35m



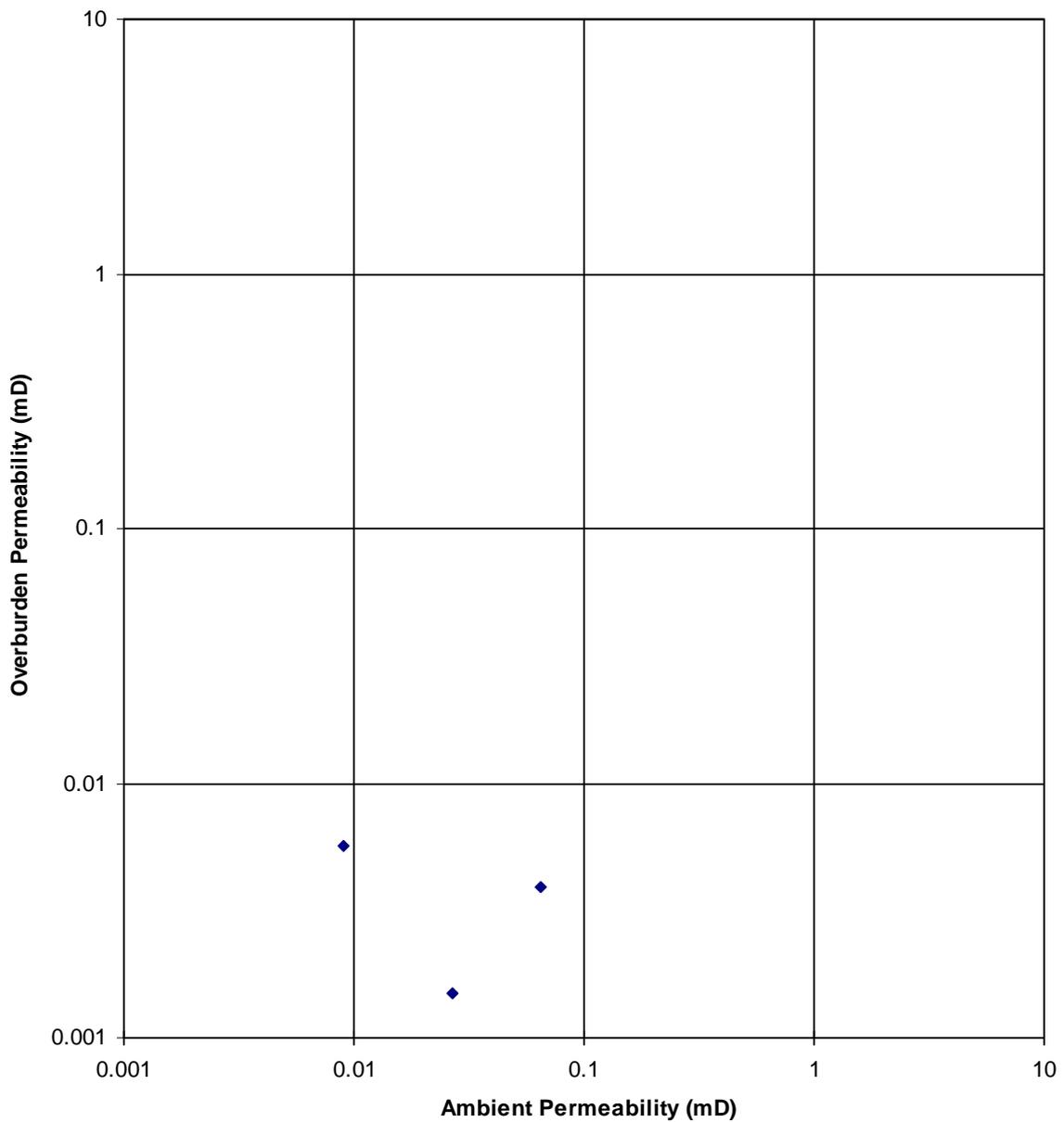
PERMEABILITY
AMBIENT vs OVERBURDEN
2700 psi



Client: Nexus Energy Limited

Well: Garfish-1

Depth: 2450.00 - 2469.35m



CHAPTER 6

TEST RESULTS

6.4 Core Plot

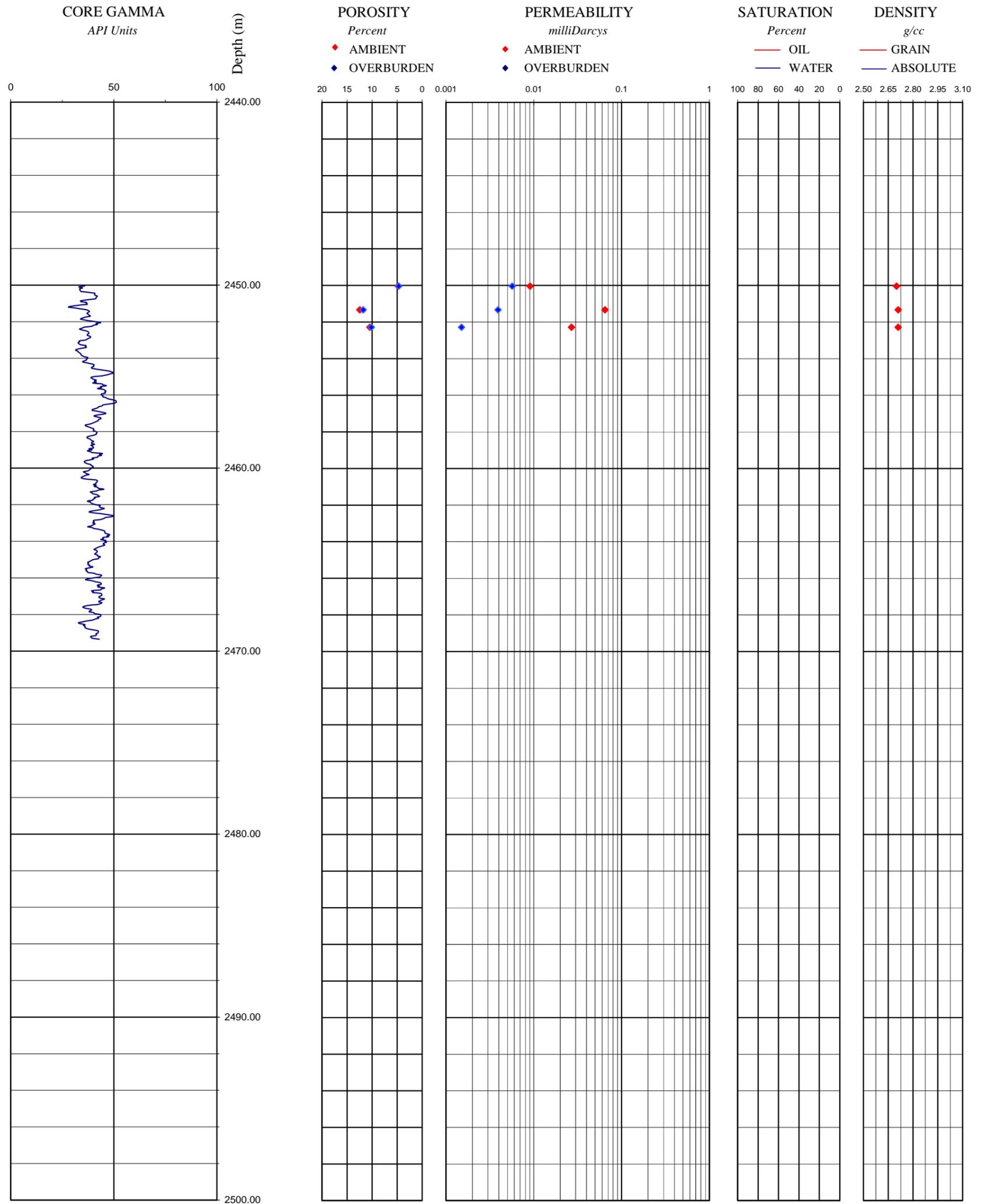
CORE PLOT

Scale 1:200



Client: Nexus Energy Limited
 Well: Garfish-1
 File No.: 0215-02-40

Core 1: 2450.00 - 2469.35m



ACS Laboratories Pty. Ltd.
 ACN: 008 273 005

CHAPTER 7

SAMPLE DISTRIBUTION AND STORAGE

7.1 Sample Distribution and Storage

7. SAMPLE DISTRIBUTION AND STORAGE

7.1 Sample Distribution and Storage

On completion of all sampling and analysis, the two individual slabs of core were packed in corflute core boxes and distributed as follows:

The 1/3 slab of core was couriered to Geoscience Australia (GA) on the 16th of December 2008, as requested by Nexus Energy Limited (transmittal PER0252).

The clients 2/3 slab of core was couriered to Kestrel Information Management on the 16th of December 2008, for permanent storage, as requested by Nexus Energy Limited (transmittal PER0251).

All plugs and off cuts are currently being stored at ACS Laboratories Perth, pending further instructions.

CHAPTER 7

SAMPLE DISTRIBUTION AND STORAGE

7.2 Sample Listing

Client Nexus Energy Limited
Well Garfish-1

RCA plugs	
Plug no.	Depth (m)
1	2450.04
2	2451.33
3	2452.28

SCAL plugs	
Plug No.	Depth (m)
no samples	

Vertical plugs	
Plug No.	Depth (m)
no samples	

Preserved Core		
Sample No.	Depth Interval (m)	
no samples		

ENCLOSURE 1: MUDLOG



INTEQ

INTEQ LOG SUITE

Drilling Data Plot

Formation Evaluation

Pressure Data Plot

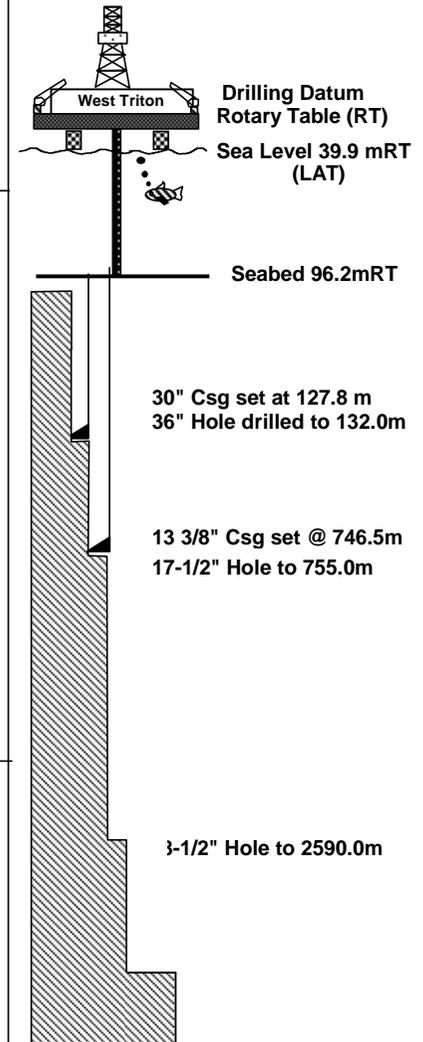
Gas Ratio Plot

ABBREVIATIONS

NB	New Bit	SG	Swab Gas
RB	Rerun Bit	SVG	Survey Gas
CB	Core Bit	C	Carbide Test
WOB	Weight on Bit	MW	Mud Density sg
RPM	Revs per Minute	V	Funnel Viscosity
FLC	Flow Check	F	Filtrate - API
FLCG	Flow Check Gas	FC	Filter Cake
PR	Poor Returns	PV	Plastic Viscosity
NR	No Returns	YP	Yield Point
LAT	Logged after trip	SOL	Solids %
BG	Background Gas	Sd	Sand %
TG	Trip Gas	Cl	Chlorides
STG	Short trip Gas	RM	Mud Resistivity
CG	Connection Gas	RMF	Filtrate Resistivity
SWG	Swab Gas	TVD	Total Vertical Depth

LITHOLOGY SYMBOLS

Calcarenite	Calcsiltite	Argillaceous Calcsiltite	Calcilutite
Dolomitic Calcarenite	Dolomitic Calcilutite	Marl	Limestone
Siltstone	Calcareous Siltstone	Argillaceous Siltstone	Sandstone
Claystone	Calcareous Claystone	Silty Claystone	Calcareous Sandstone



	Casing Shoe		Wireline Logs
	Liner Hanger		Formation Test
	Cored Interval		Sidewall Core
	Unrecovered		No Recovery
	Test Interval		Mechanical Sidewall Core
	No Recovery		No Recovery

Company Nexus Energy Pty Ltd

Well Garfish-1

Permit VIC / L29

Region Bass Strait

Designation Exploration

Coordinates 038° 06' 38.0838" S
148° 15' 17.1466" E

Datum Rotary Table

Spud Date 28 May 2008

Spud Depth 96.2 mMDRT

RT – Sea Level 39.9 m above LAT

Total Depth 2590mMDRT/ 2589.6m TVDRT

Contractor Seadrill

Rig West Triton

Type Jack up

LOG INTERVAL

Depth 96.2m – 2590.0mMDRT

Date 28 May – 12 June 2008

Scale 1 : 500

Data Engineers Deelip Mahajan, Ilyas Khan,
John Mancarella,

Loggers Rebecca Houston, Haylee Doggart



INTEQ LOG SUITE

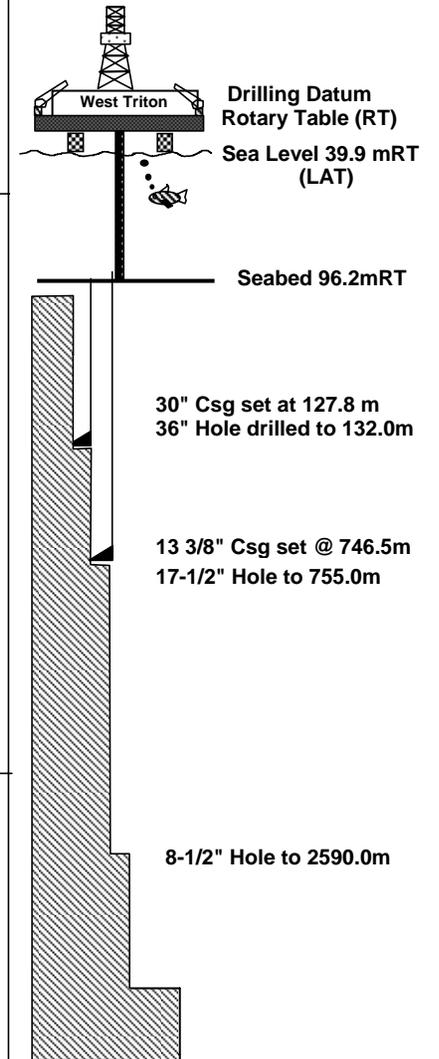
Drilling Data Plot Formation Evaluation
 Pressure Data Plot Gas Ratio Plot

ABBREVIATIONS

NB	New Bit	SG	Swab Gas
RB	Rerun Bit	SVG	Survey Gas
CB	Core Bit	C	Carbide Test
WOB	Weight on Bit	MW	Mud Density sg
RPM	Revs per Minute	V	Funnel Viscosity
FLC	Flow Check	F	Filtrate - API
FLCG	Flow Check Gas	FC	Filter Cake
PR	Poor Returns	PV	Plastic Viscosity
NR	No Returns	YP	Yield Point
LAT	Logged after trip	SOL	Solids %
BG	Background Gas	Sd	Sand %
TG	Trip Gas	Cl	Chlorides
STG	Short trip Gas	RM	Mud Resistivity
CG	Connection Gas	RMF	Filtrate Resistivity
SWG	Swab Gas	TVD	Total Vertical Depth

LITHOLOGY SYMBOLS

Calcarene	Calcisiltite	Argillaceous Calcisiltite	Calcilutite
Dolomitic Calcarene	Dolomitic Calcilutite	Marl	Limestone
Siltstone	Calcareous Siltstone	Argillaceous Siltstone	Sandstone
Claystone	Calcareous Claystone	Silty Claystone	Calcareous Sandstone



Company Nexus Energy Pty Ltd

Well Garfish-1

Permit VIC / L29

Region Bass Strait

Designation Exploration

Coordinates 038° 06' 38.0838" S
148° 15' 17.1466" E

Datum Rotary Table

Spud Date 28 May 2008

Spud Depth 96.2 mMDRT

RT – Sea Level 39.9 m above LAT

Total Depth 2590mMDRT/ 2589.6m TVDRT

Contractor Seadrill

Rig West Triton

Type Jack up

LOG INTERVAL

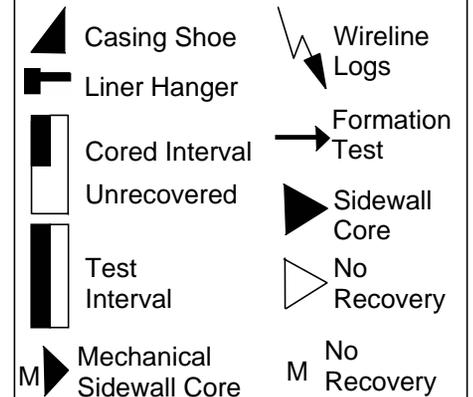
Depth 96.2m – 2590.0mMDRT

Date 28 May – 12 June 2008

Scale 1 : 500

Data Engineers Deelip Mahajan, Ilyas Khan, John Mancarella,

Loggers Rebecca Houston, Haylee Doggart





Company : Nexus Energy
 Well : Garfish-1
 Interval : 84.00 - 2591.14 meters
 Created : 17/Jun/2008 5:02:15 AM



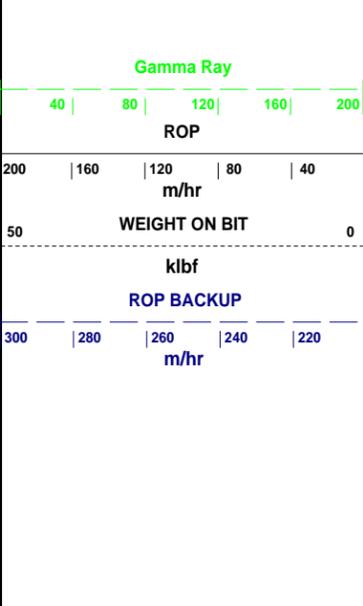
INTEQ

FORMATION EVALUATION LOG

Chromatograph Data

Analysis

LITHOLOGY DESCRIPTIONS



MD meters 1:500
 Cuttings

LITHOLOGY INTERPRETED

Methane ppm				Analysis	
10	100	1000	10000	50	100
Ethane ppm				Calcimetry	
10	100	1000	10000	50	100
Propane ppm				Dolomite %	
10	100	1000	10000		
iso-Butane ppm					
10	100	1000	10000		
n-Butane ppm					
10	100	1000	10000		
iso-Pentane ppm					
10	100	1000	10000		
n-Pentane ppm					
10	100	1000	10000		
Ditch Gas %					
0.1	1	10	100		

DIRECT FLUOR

NB1: 558mm (22")
 914mm (36") H/Opener
 Make: REED
 Type: Rock / YC11
 Jets: 3x22, 1x16
 Depth In: 96.25 m
 Depth Out: 132.0 m
 Drilled 35.75 m in 0.5hr
 Grade: 1-1-WT-A-2-I-RR-TD

Set 762mm (30") Casing at
 127.8 m

28 - 29/05/2008

NB2: 558mm (22")
 Clean-out BHA
 Make: Smith
 Type: Rock / MZ3173
 Jets: 3x22, 1x16
 Depth In: 132.0 m
 Depth Out: 132.0 m
 Cement top: 125.0m
 Grade:
 O-O-NO-A-O-I-NO-BHA

NB3: 445mm (17-1/2")
 Make: Smith
 Type: Rock / MZ1061
 Jets: 3x22, 1x18
 Depth In: 132.0 m
 Depth Out: 755.0 m
 Drilled 623.0 m in 12.0hr
 Grade: 2-2-WT-A-3-I-NO-TD

WOB: 6 - 16 klb
 RPM: 50 - 170
 GPM: 1160 - 1200
 SPP: 1600 - 1750 psi

RT-MSL: 39.9 mMDRT
 Water Depth: 56.3 mMDRT
 RT-Seabed: 96.2 mMDRT

Spud Garfish-1 @ 1330 hrs on
 28/05/2008

MD:86.66 m Azi: 347.82°
 TVD: 86.66 m Incl: 0.22°

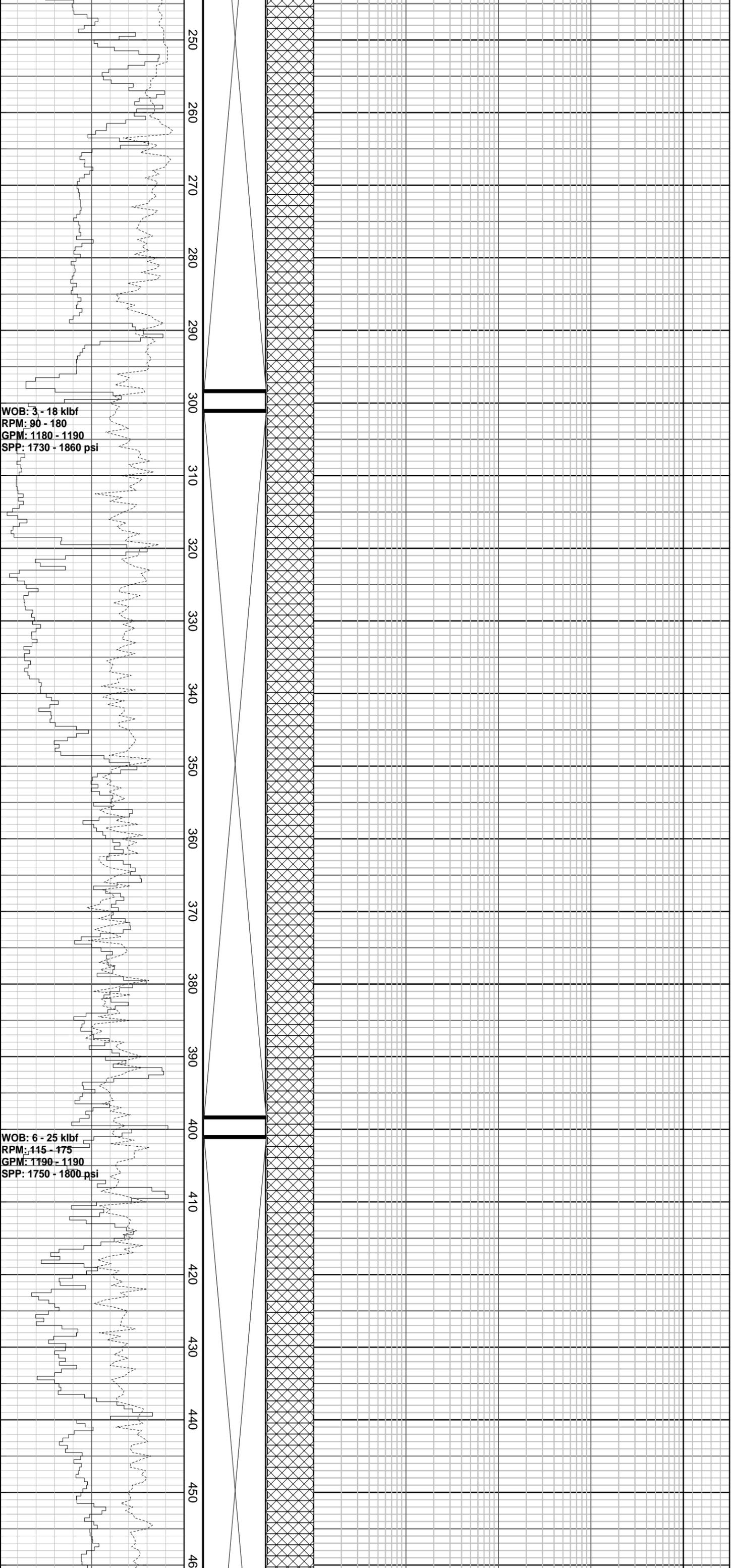
MD:122.43 m Azi: 197.82°
 TVD: 122.43 m Incl: 0.11°

36" section TD, 131.0 m

Drill with seawater & Hi-Vis sweeps,
 Returns to seabed, 96.25m to 755.0m

MD:167.41 m Azi: 261.61°
 TVD: 167.41 m Incl: 0.63°

MD:225.52 m Azi: 223.32°
 TVD: 225.52 m Incl: 0.37°



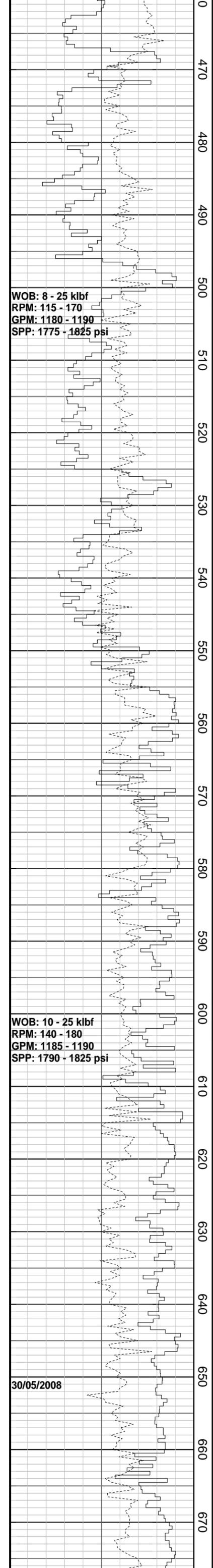
WOB: 3 - 18 klb
RPM: 90 - 180
GPM: 1180 - 1190
SPP: 1730 - 1860 psi

WOB: 6 - 25 klb
RPM: 115 - 175
GPM: 1190 - 1190
SPP: 1750 - 1800 psi

MD: 343.05 m	Azi: 75.45°
TVD: 343.05 m	Incl: 0.23°

Drill with seawater & Hi-Vis sweeps,
 Returns to seabed, 96.25m to 755.0m

MD: 431.83 m	Azi: 31.60°
TVD: 431.83 m	Incl: 0.14°



WOB: 8 - 25 klbf
 RPM: 115 - 170
 GPM: 1180 - 1190
 SPP: 1775 - 1825 psi

WOB: 10 - 25 klbf
 RPM: 140 - 180
 GPM: 1185 - 1190
 SPP: 1790 - 1825 psi

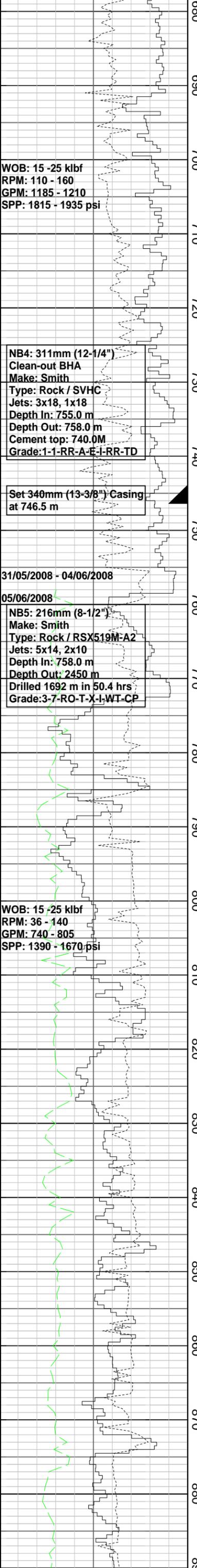
30/05/2008

MD:520.09 m Azi: 306.99°
 TVD: 520.09 m Incl: 0.26°

Drill with seawater & Hi-Vis sweeps,
 Returns to seabed, 96.25m to 755.0m

MD:608.29 m Azi: 280.34°
 TVD: 608.28 m Incl: 0.58°

MD:667.52 m Azi: 215.10°
 TVD: 667.51 m Incl: 0.58°



WOB: 15 -25 klbf
 RPM: 110 - 160
 GPM: 1185 - 1210
 SPP: 1815 - 1935 psi

NB4: 311mm (12-1/4")
 Clean-out BHA
 Make: Smith
 Type: Rock / SVHC
 Jets: 3x18, 1x18
 Depth In: 755.0 m
 Depth Out: 758.0 m
 Cement top: 740.0M
 Grade:1-1-RR-A-E-I-RR-TD

Set 340mm (13-3/8") Casing
 at 746.5 m

31/05/2008 - 04/06/2008

05/06/2008
 NB5: 216mm (8-1/2")
 Make: Smith
 Type: Rock / RSX519M-A2
 Jets: 5x14, 2x10
 Depth In: 758.0 m
 Depth Out: 2450 m
 Drilled 1692 m in 50.4 hrs
 Grade:3-7-RO-T-X-I-WT-CP

WOB: 15 -25 klbf
 RPM: 36 - 140
 GPM: 740 - 805
 SPP: 1390 - 1670 psi

Drill with seawater & Hi-Vis sweeps,
 Returns to seabed, 96.25m to 755.0m

MD:768.33 m	Azi: 278.20°
TVD: 768.3 m	Incl: 0.31°

17-1/2" Section TD, 755.0m

Drill with KCL Polymer drilling
 fluid, 755.0m to well TD

MW: 9.5 ppg	FV: 58
PV: 15	YP: 27
Gels: 9/12/15	pH: 9.5

CALCILUTITE: m gy, v sft-sft,
 amor-sbbiky, disp, com nod pyr, com
 foss & shl frag (foram), mnr xln calc,
 tr v f gr qtz, mnr m gy arg mtrx

FIT @ 758.0m with 9.5ppg
 EMW:17.39 ppg @ 1020psi

MD:746.93 m	Azi: 194.47°
TVD: 746.93 m	Incl: 0.21°

CALCILUTITE: m gy, v sft-sft,
 amor-sbbiky, disp, com nod pyr, com
 foss & shl frag (foram), mnr xln calc,
 tr v f gr qtz, mnr m gy arg mtrx

MD:857.62 m	Azi: 288.14°
TVD: 857.6 m	Incl: 0.21°

CALCILUTITE: m gy, v sft-sft,
 amor-sbbiky, disp, com nod pyr, mnr
 foss & shl frag (foram), tr xln calc,
 com m gy arg mtx,
 grd-ARGILLACEOUS CALCILUTITE

WOB: 15 - 25 klbf
RPM: 114 - 140
GPM: 795 - 800
SPP: 1450 - 1850 psi

WOB: 15 - 25 klbf
RPM: 1140 - 143
GPM: 800 - 805
SPP: 1685 - 2035 psi

WOB: 15 - 25 klbf
RPM: 132-140
GPM: 800 - 865
SPP: 1950 - 2500 psi

900
910
920
930
940
950
960
970
980
990
1000
1010
1020
1030
1040
1050
1060
1070
1080
1090
1100



MW: 9.6 ppg FV: 46
PV: 13 YP: 26
Gels: 9/18/22 pH: 10

CALCILUTITE: m gy, v sft-sft,
amor-sbbiky, disp, com nod pyr, mnr
foss & shl frag (foram), tr xln calc,
com m gy arg mtx,
grd-ARGILLACEOUS CALCILUTITE

MD: 946.72 m Azi: 341.57°
TVD: 946.7 m Inc: 0.13°

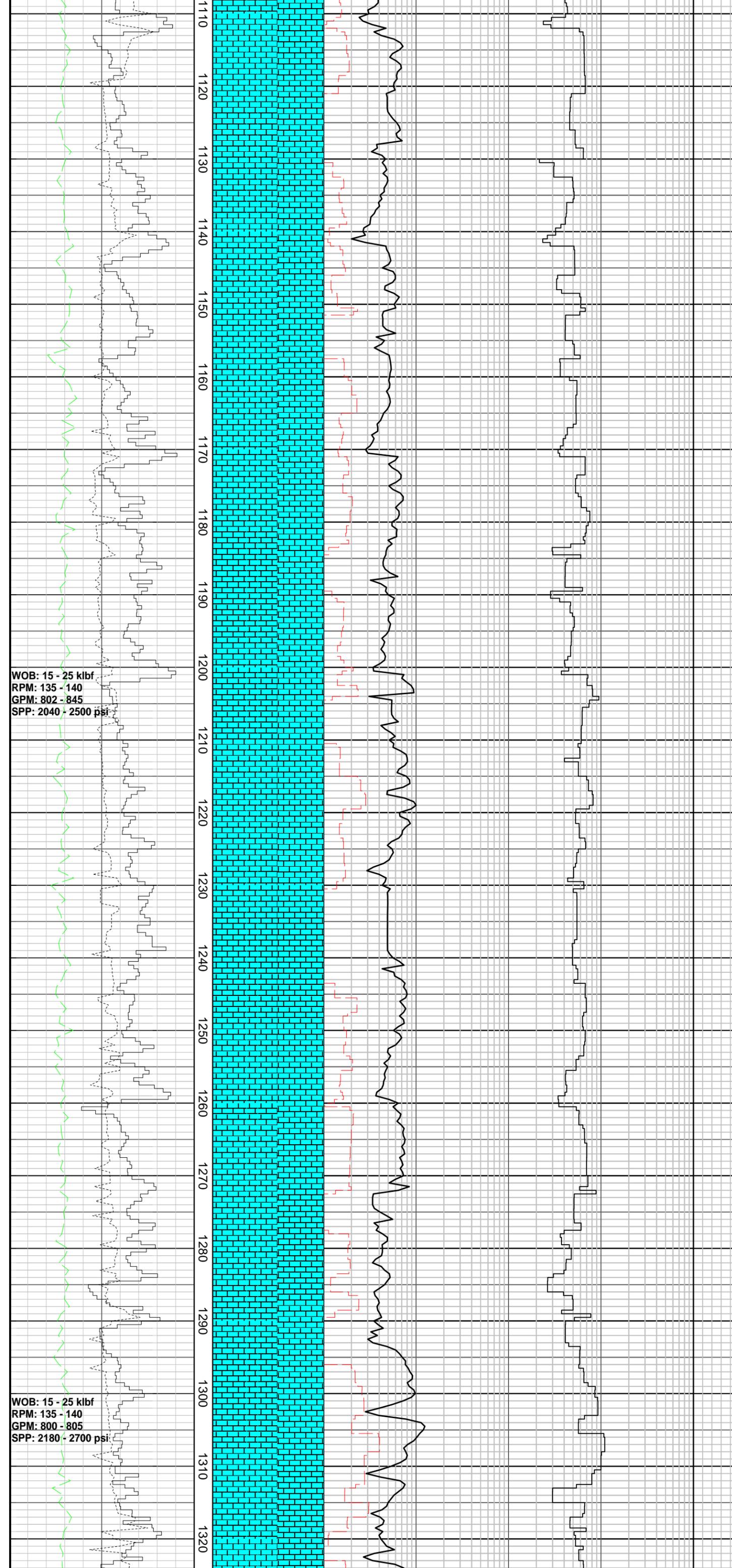
CALCILUTITE: m gy, sft, amor-sbbiky,
disp, tr nod pyr, mnr foss & shl frag
(foram), tr xln calc, com m gy arg mtx,
grd-ARGILLACEOUS CALCILUTITE

CALCILUTITE: m gy, sft, amor-sbbiky,
disp, tr nod pyr, mnr foss & shl frag
(foram), tr xln calc, com m gy arg mtx,
grd-ARGILLACEOUS CALCILUTITE

MD: 1035.71 m Azi: 313.67°
TVD: 1035.7 m Inc: 0.13°

ARGILLACEOUS CALCILUTITE: m gy,
sft- mod frm, sbbiky, disp, tr foss &
shl frag (foram), tr xln calc, abd m gy
arg mtx

MW: 9.6 ppg FV: 56
PV: 18 YP: 33
Gels: 14/20/23 pH: 9.5



ARGILLACEOUS CALCILUTITE: m dk olv gy, frm, sbblky-blky, disp, r diverse rng planktic & benthic foram, tr bry frag, tr clus pyr nod, tr xln calc

MD: 1184.34	Azi: 38.39°
TVD: 1184.3	Inc: 0.20°

ARGILLACEOUS CALCILUTITE: m dk olv gy, frm, loc mod hd, sbblky, disp, foram, tr bry frag, tr clus pyr nod, sli more arg

ARGILLACEOUS CALCILUTITE: m olv gy-gnsh gy, frm, sbblky-blky, mnr sft, mod hd, r foram, tr wh, or, trnsp xln calc, tr pyr

ARGILLACEOUS CALCILUTITE: m olv gy, frm, sbblky-blky, hom, tr foram, tr pyr, tr bry, tr or trnsl calc

MD: 1333.11 m Azi: 19.33°
TVD: 1333.1 m Inc: 0.43°

ARGILLACEOUS CALCILUTITE: m olv
gy-gnsh gy, sft-hd, mod frm,
sbbiky-blky, r planktic foram, tr pyr
nod clus

06/06/2008

WOB: 15 - 25 klb
RPM: 135 - 140
GPM: 800 - 805
SPP: 1875 - 2755 psi

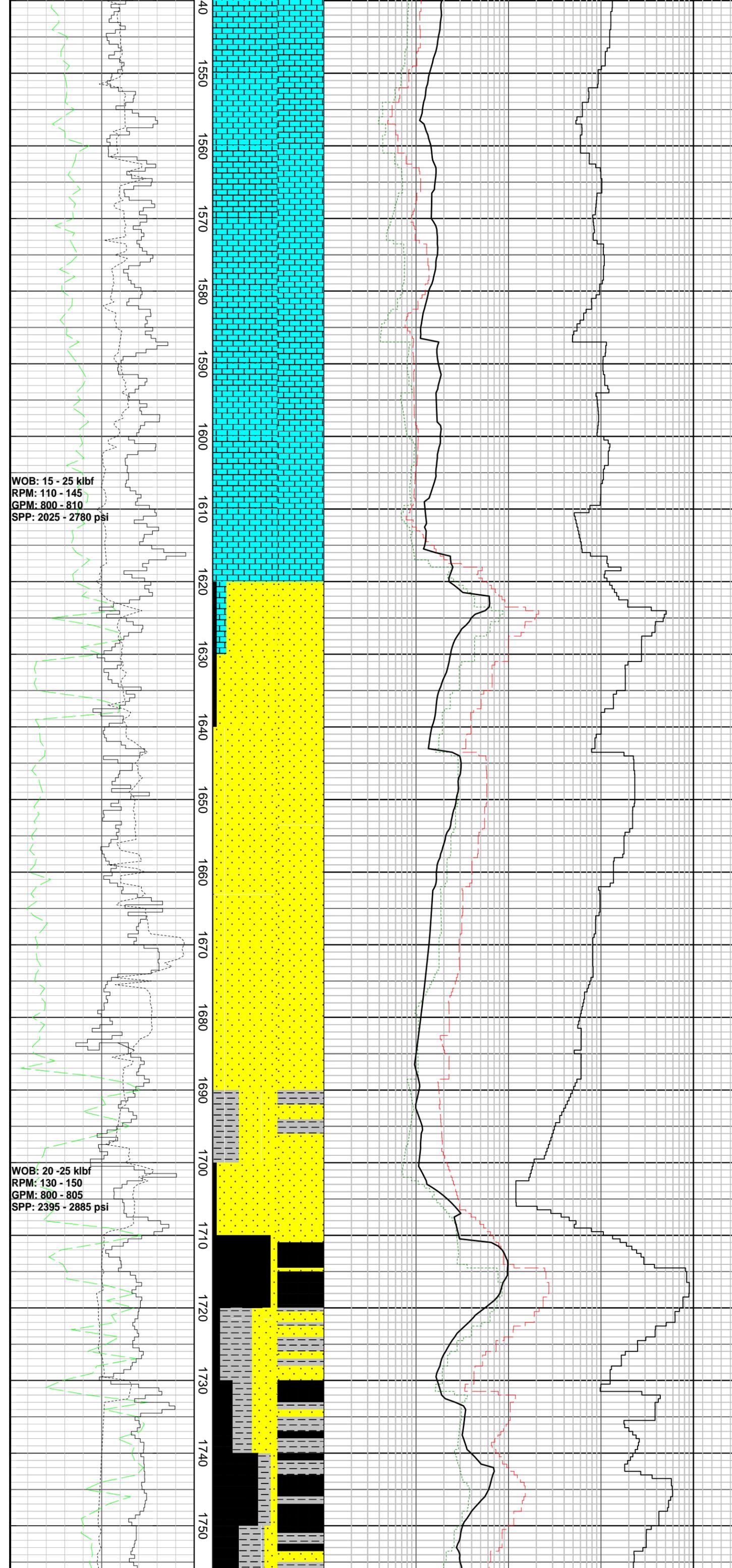
ARGILLACEOUS CALCILUTITE: It olv
gy-gnsh gy, sft-hd, mod frm,
sbbiky-blky, tr foram, tr pyr nod clus

ARGILLACEOUS CALCILUTITE: It olv
gy-gnsh gy, sft-hd, mod frm,
sbbiky-blky, com foram, tr ech spn, tr
xln pyr agg

ARGILLACEOUS CALCILUTITE grd to
CALCAREOUS CLAYSTONE: It olv
gy-m dk olv gy, frm, sbbiky-blky, r
foram, tr pyr strk, tr lt or trnsl xln calc
tr GLAUCONITIC CALCARENITE: It
olv gy spkld gysh gn, frm-mod hd,
sbfis, xln, abd m-crs sd sz gysh gn
glau

MD: 1480.34 m Azi: 19.34°
TVD: 1480.3 m Inc: 0.74°

WOB: 15 - 25 klb
RPM: 135 - 150
GPM: 800 - 805
SPP: 2245 - 2805 psi



WOB: 15 - 25 klb
 RPM: 110 - 145
 GPM: 800 - 810
 SPP: 2025 - 2780 psi

WOB: 20 - 25 klb
 RPM: 130 - 150
 GPM: 800 - 805
 SPP: 2395 - 2885 psi

CLAYSTONE: m gy-m dk gy, frm, brnsh gy i/p, sbblky-blky, tr qtz slit, tr dissem pyr, tr carb frag, non calc

ARGILLACEOUS CALCILUTITE grd to CALCAREOUS CLAYSTONE: lt olv gy-m dk olv gy, frm, sbblky-blky, r foram, tr pyr strk, tr lt or trnsl xln calc tr GLAUCONITIC CALCARENITE: lt olv gy spkld gysh gn, frm-mod hd, sbfis, xln, com m-crs sd sz gysh gn glau

MD: 1596.44 m	Azi: 16.38°
TVD: 1569.4 m	Inc: 0.83°

FORAMINIFERAL CALCILUTITE: lt olv gy-m gy, frm, sbblky-blky, disp, abd foram, f-m gr sz, r nod pyr, abd m lt gy arg mtx

MD: 1599.08 m	Azi: 17.89°
TVD: 1599.0 m	Inc: 0.79°

SANDSTONE: quartzose, wh-v lt gy, clr-trnsl gr, tr mky, returned lse, bimodal 60% v crs-gran, 40% f-crs, v crs-gran gr v ang-rndd, l-hi sph, along i/p, tr-r nod pyr, intgran arg mtx tr lith gr, gd inferred por, no shw

MW: 9.9 ppg	FV: 55
PV: 12	YP: 27
Gels: 11/17/19	pH: 9.0

SANDSTONE: quartzose, wh-v lt gy, tr lt brnsh gy-pl yel or, rtnd lse, clr-trnsl gr, f-gran, pred crs-gran, abd f-crs, ang-rnd, low-hi sp, pr srt, tr-r nod pyr, gd infrd por, no shw

CALCAREOUS CLAYSTONE: lt gy-m gy, mod frm-frm, sbblky-blky, sli disp, mnr dissem pyr, loc abd, strngly calc

COAL: brnsh blk-blk, frm, brit, sbblky-sbconch, fiss-sbfiss i/p, sb vit-vit lstr

SANDSTONE: quartzose, wh-v lt gy, tr lt brnsh gy, rtnd lse, f-v crs, pred f-m, mnr-com crs-v crs, ang-rnd, pred ang-sbrnd, mod-hi sph, pr srt, tr lt gy arg mtx, gd inf por, no shw

MD: 1745.75 m	Azi: 1.00°
---------------	------------

MD: 1745.75 m Azi: 4.99°
TVD: 1745.7 m Inc: 1.09°

MW: 9.9 ppg FV: 53
PV: 17 YP: 33
Gels: 14/21/26 pH: 9.0

CARBONACEOUS CLAYSTONE: m dk gy-dk gy, mod frm-pred frm, sbblky-blky, sli disp, mnr dissem pyr, abd carb mat, wk calc

SANDSTONE: quartzose, wh-v lt gy, tr lt brnsh gy, rtrnd lse, v f-m gr, pred f-m, mnr v f-f, ang-sbrnd, pred sbang-sbrnd, mod-hi sph, wl srt, tr-r lt gy arg mtx, fr inf por, no shw

CLAY: brnsh gy-dk gy, mod frm-pred frm, sbblky-blky, sli disp, mnr dissem pyr, com carb frag, wk calc

SANDSTONE: qrtzose, wh-v lt gy, tr lt brnsh gy, rtrnd lse, v f-m gr, pred f-m, mnr v f-f, ang-sbrnd, pred sbang-sbrnd, mod-hi sph, wl sr, tr-r lt gy arg mtx, fr inf por, no shw

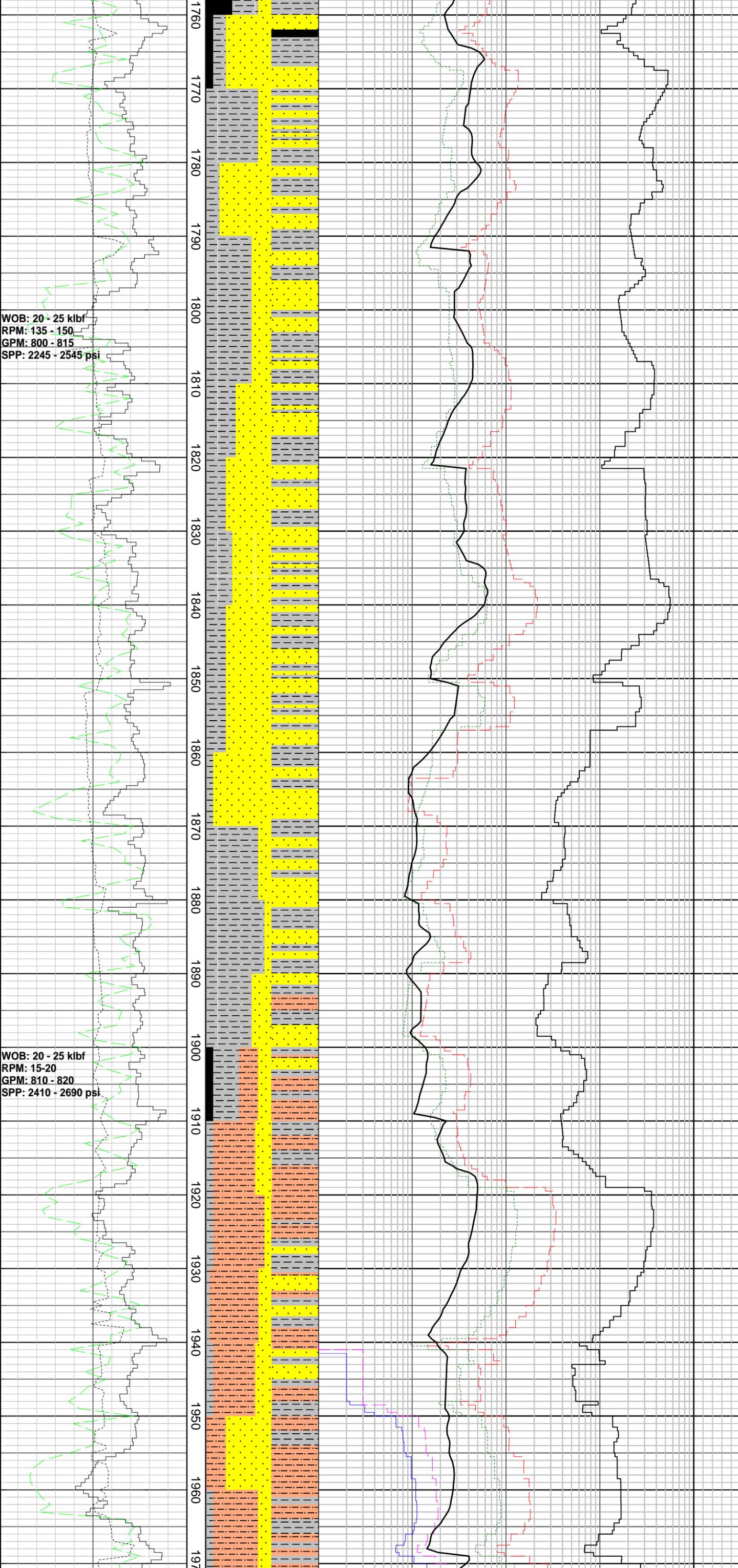
CLAYSTONE: m lt gy-m gy, frm, sbblky-blky, sli disp, tr-r slt, tr nod & dissem pyr, tr carb wisps & frag, non calc

MD: 1893.73 m Azi: 353.25°
TVD: 1893.6 m Inc: 1.24°

SILTSTONE: lt-m brnsh gy, sft-frm, mod hd i/p, sbblky-blky, com hi micaceous, com blk carb-coaly microlam, com nod pyr

MW: 10.0 ppg FV: 52
PV: 17 YP: 29
Gels: 14/20/25 pH: 9.0

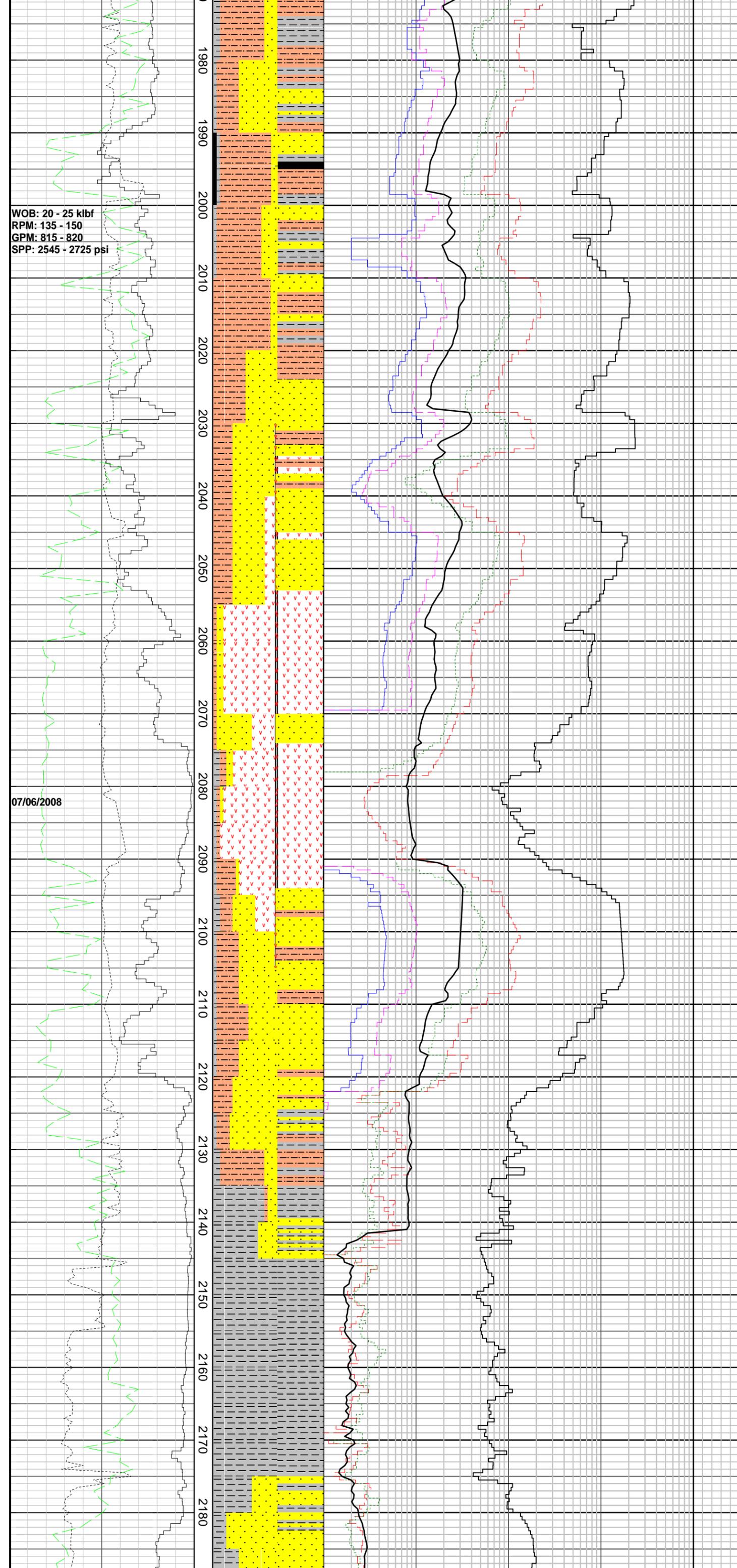
SANDSTONE: quartzose, v lt gy, lse



WOB: 20 - 25 klbf
RPM: 135 - 150
GPM: 800 - 815
SPP: 2245 - 2545 psi

WOB: 20 - 25 klbf
RPM: 15-20
GPM: 810 - 820
SPP: 2410 - 2690 psi

1760
1770
1780
1790
1800
1810
1820
1830
1840
1850
1860
1870
1880
1890
1900
1910
1920
1930
1940
1950
1960
1970



bimodal 1) v f u-m l, pr srt 2) crs u-gran, mod srt, sbang-sbrnd, sbsph trnsp-trnsl qtz, tr rnd m dk gy lith, no shw

SILTSTONE: brnsh gy-gy brn, frm-mod hd, sbfiss-sbblky, w/ abd v f carb spk, tr pyr

MD: 2040.91 m	Azi: 351.03°
TVD: 2040.8 m	Inc: 1.64°

VOLCANICS: v lt yel-or, frm-mod hd, flky, lt gy grndmass, non calc

VOLCANICS: lt gy-lt gnsh gy, spkl lt or yel spkl dk gy, mod hd, blk, non calc, lt gy grndmass, loc apr vnlets lt yel cl, len sulphide, loc acic gy xln. no fluoro
SILTSTONE: brnsh gy-dsky brn, frm-mod hd, sbblky-blky, loc ghly micaceous, loc carb, r carb microlam

SANDSTONE: lt gy, lse, f l-m u, mod srt, sbang-rndd, trnsp-trnsl qtz, no shw
SILTSTONE: dk brnsh gy, blk, mod hd, com f carb mat, c lens

BASALT: dk gnsh gy-gnsh blk, hd, blk, loc f-m grnd phenocrysts

CLAYSTONE: v lt brn-lt olv, frm, sbfis, wxy tex, non calc

VOLCANICS: v lt gy-pl gn, sft, sbblky, non calc, r clus pyr xln

SANDSTONE: lt gy, lse, v f u-f u, w srt tr v crs gr, sbang-sbrndd, trnsp-trnsl qtz, no shw
SILTSTONE: brnsh gy, dk yelsh brn-dsky brn, mod h, blk-sbfis, non calc, r carc microlam, grd-clst
CLAYSTONE: m gy, fis, pl yel brn i/p, v sft, frm, wxy tex, non calc

SANDSTONE: lt gy, lse, bimod crs u-gran, mod srt, sbord f l-m l, mod w srt, sbang-sbrnd, r w rndd, trnsl qtz, no shw

SANDSTONE: crs u-v crs u,r gran, mod ang frag, mnr sbrnd qtz gr, tr m dk gy metased lit, incld 10% f-c sst agg, hd ang flk, stng calc cmt, n vis por, brt lt yel fluor n cut, infr ca

SILTSTONE: grd-clst, brnsh gy, dk yel brn, dsky brn, com carb mat or microlam, com lse v c sd-sz pyr nod. incl 2% sst brt fluor

SANDSTONE: crs u-v crs u, r gran, mnly ang frag, mnr sbrnd sph qtz gr, tr m dk gy metased lith. incld 10% f-crs sst agg, hd ang flk, st calc cmt, no vis por, v brt lt yel drct fluor, no cut, inf calc min fluor

MW: 11.0 ppg	FV: 51
PV: 18	YP: 30
Gels: 11/22/27	pH: 8.5

CLAYSTONE: m gy-m dk gy, frm, brnsh gy i/p, sb blk-blky, tr qtz slt, tr pyr, tr carb frag, non calc

SANDSTONE: qtzose, wh-v lt gy, tr mod or pk, cl-pred trnsl gr, rtrnd lse, v f-m, ang-sbrnd, sli spher, w srt, tr calc cmt, tr lith, fr-gd inf por, no shw

MD: 2188.18 m Azi: 348.05°
TVD: 2188.0 m Inc: 1.63°

CLAYSTONE: m gy-m dk gy, lt brnsh gy-brnsh gy i/p, frm, sbbiky-blky, tr qtz slit, tr dissem&nod pyr, tr carb frag, non calc

SANDSTONE: qrtzose, wh-v lt gy, clr-trnsl, lse, vf-m, ang-sbrnd, sli spher, wl srt, tr calc cmt, tr lith, fr-gd inf por, no shw

MW: 11.0 ppg FV: 51
PV: 17 YP: 30
Gels: 13/22/26 pH: 9.0

SILTSTONE: m gy-brnsh gy, frm-mod hd, sbbiky-blky, non calc, r v f-f sd, com carb mat&lens, loc com micromica

SANDSTONE: qrtzose, wh-v lt gy, tr mod or pk, cl-pred trnsl gr, mnly lse, v f-m gr, pred f-m, com v f, ang-sbrnd, lo-mod shp, tr elong, w srt, infrd wk sl cmt, fr vis por, no shw

SILTSTONE: m gy-brnsh gy, frm-mod hd, sbbiky-blky, non calc, r v f-f sd, com carb mat&lens, loc com micromica, grd-clst

MW: 11.0 ppg FV: 51
PV: 15 YP: 30
Gels: 12/25/- pH: 9.0

SANDSTONE: lt gy, lse, v f l-m u, tr crs, mod srt, ang-sbrnd, trnsp-trnsl qtz, no shw

CLAYSTONE: lt-m brnsh gy, mnr m gy, mnly frm, sbfis-sbbiky, mnr sft, sbbiky, non calc, loc carb strk

SANDSTONE: lt gy, lse, f l-m l, w srt, ang-sbrnd, trnsp-trnsl qtz; 5% f sst agg, fri-mod had, loc tnd-rkflr, wkly calc cmnt, pr vis por, no shw

SILTSTONE: m brnsh gy, frm, sbbiky-blky, com v f sd, com-abd blk carb spk, non calc

MW: 11.05 ppg FV: 48
PV: 16 YP: 28
Gels: 12/23/328 pH: 9.0

MD: 2395.12 m Azi: 329.99°
TVD: 2394.8 m Inc: 1.70°

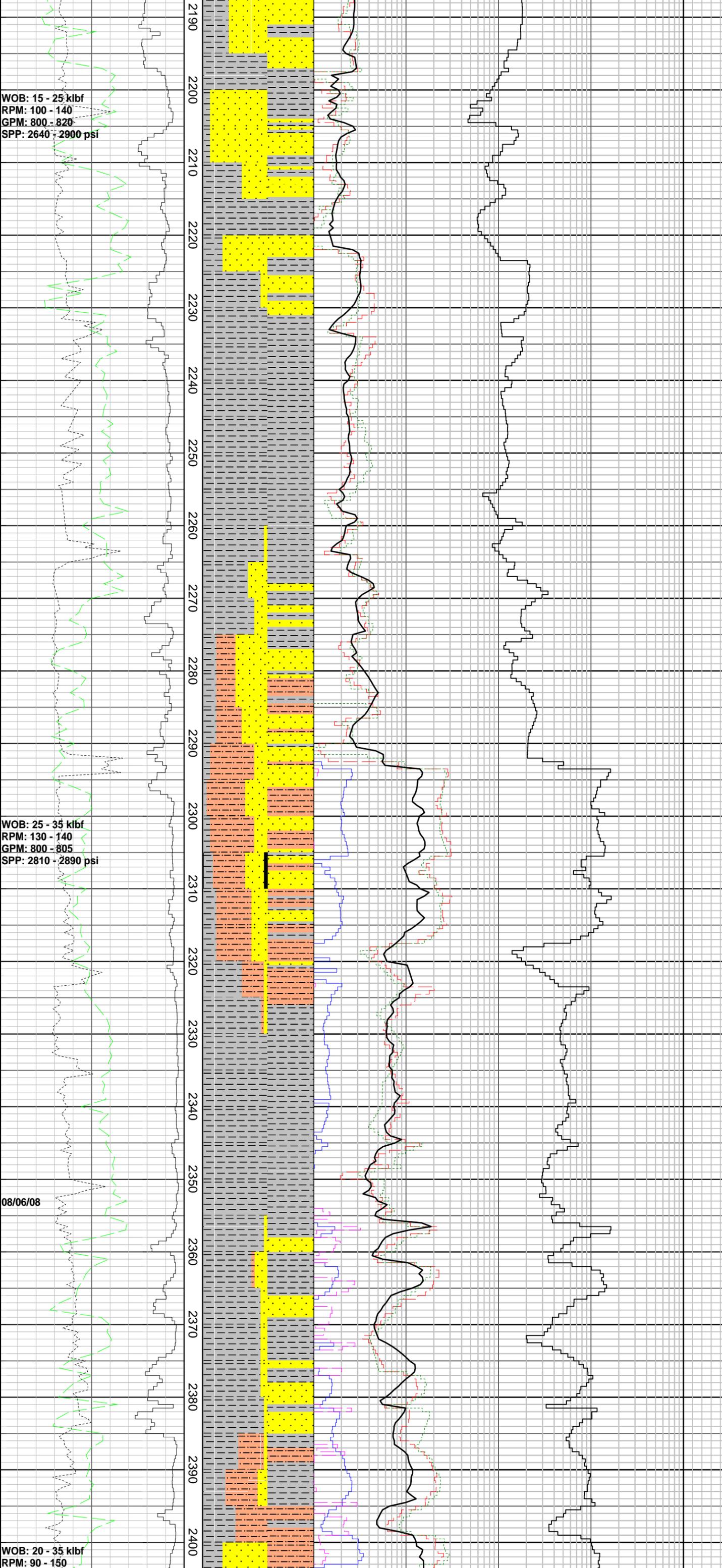
SANDSTONE: lt av. lse. v f u-m l. mor

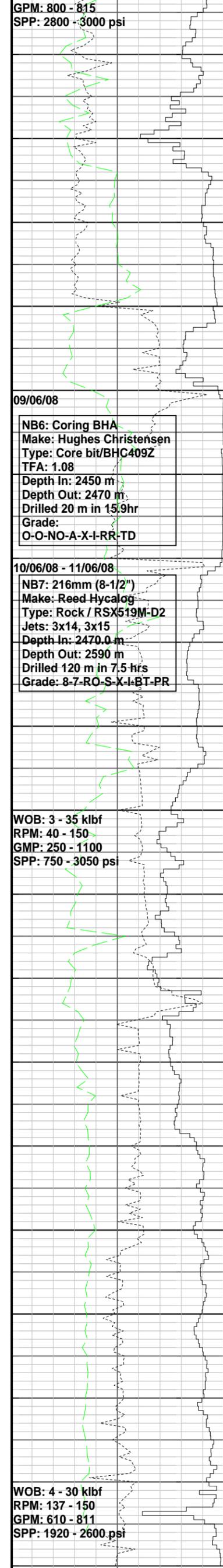
WOB: 15 - 25 klbf
RPM: 100 - 140
GPM: 800 - 820
SPP: 2640 - 2900 psi

WOB: 25 - 35 klbf
RPM: 130 - 140
GPM: 800 - 805
SPP: 2810 - 2890 psi

08/06/08

WOB: 20 - 35 klbf
RPM: 90 - 150





SILTSTONE: m lt gy-m gy, frm, sbbkly-blky, com m gy arg mtx, com f qtz gr, tr wthd fspr gr, tr carb frag, gr-arg arenite

CLAYSTONE: m gy-m dk gy, lt brnsh gy-brnsh gy i/p, frm, sbbkly-blky, tr qtz slit, tr dissem & nod pyr, tr carb frag, non calc

MD: 2433.46 m Azi: 329.48°
 TVD: 2433.2 m Inc: 1.58°

SANDSTONE: qtzose, v lt gy, clr-trnsl&mky gr, com rtrnd lse, fri-frm agg, v f-m gr, pred v f-f r m, ang-sbrnd, tr rnd, l-mod sphericity, w srt, com wh-lt brnsh gy arg mtrx, tr blk lit gr, tr mod brn-mod rd lith, tr wtd fspr gr, pr-fr inf por, no shw
 Cut 3-1/2" Core
 2450.0m to 2470.0m
 Recovery:19.34m, 97%

CLAYSTONE: m gy-m dk gy, lt brnsh gy-brnsh gy i/p, frm, sbbkly-blky, tr qtz slit, tr dissem & nod pyr, tr carb frag, non calc

MW: 11.0 ppg FV: 52
 PV: 18 YP: 32
 Gels: 14/26/32 pH: 9.5

SANDSTONE: lt gy, lse, v f-crs, ang-sbrnd, sbspherical qrtz, no shw

CLAYSTONE: m dk gy, frm-mod hd, sbbkly-blky, tr carb spk, homo, non calc

SILTSTONE: m gy, sli olv-gnish, f, blky, non calc, w/ com blk carb spk, loc v f sd grd-slt v f sst

SANDSTONE: qtz, lt gy, 5% lse, vf-f, mod wl srt, sbang; 20% fri agg arg, wk calc cmt, r dk olv lith, com carb spk, r mod hd agg, mod calc cmt, pr vis por, no shw

CLAYSTONE: m dk gy, frm-mod hd, homo, sbbkly-blky, tr carb spk, non calc

SANDSTONE: qtz, v lt gr-lt gy, clr-trnsl, predom lse, mnr fri-frm agg, vf-m, predom f, sbang-sbrnd, sli spher, wl srt, tr lt gy arg mtrx, strg calc cmt, tr bwnish blk lith gr, pr v

VOLCANICS: gysh gn-dk gnsh gy, tr pl rd-pl rd purp frag, tr mod rd, tr wh, tr gysh blk, mod hd-hd, brit, blkly-sbbkly, crpxln, tr pyr pl rd frag are microxin & fri, tr wh, tr fspr gr, tr gysh blk lith, tr chalcedony, tr v crs ang qtz

VOLCANICS: gysh gn-dk gnsh gy, tr pl rd-pl rd purp frag, tr mod rd, tr wh, tr gysh blk, mod hd-hd, brit, blkly-sbbkly, crpxln, tr pyr pl rd frag are microxin & fri, tr wh, tr fspr, tr chal, tr v crs ang qtz

Wireline Logging:
 Run#1. PEX-HRLA-ECS-HNGS
 Run#2. FMI-DSI-XPT
 Run#2a. MDT-GR
 Run#3. VSP-GR
 Run#4. CST-GR

Well TD @ 2590.0 m
 12/06/2008, 1350 hrs.

FORMATION EVALUATION LOG		Analysis		LITHOLOGY DESCRIPTIONS
Chromatograph Data		DIRECT FLUOR		
Methane ppm		10	10000	Calcimetry Dolomite %
Ethane ppm		10	10000	
Propane ppm		10	10000	
iso-Butane ppm		10	10000	
n-Butane ppm		10	10000	
INTERPRETED LITHOLOGY	Cuttings	ROP		
		WEIGHT ON BIT		
		ROP BACKUP		

iso-Pentane ppm			
10	100	1000	10000
n-Pentane ppm			
10	100	1000	10000
Ditch Gas %			
0.1	1	10	100

ENCLOSURE 2: GAS RATIO LOG



INTEQ LOG SUITE

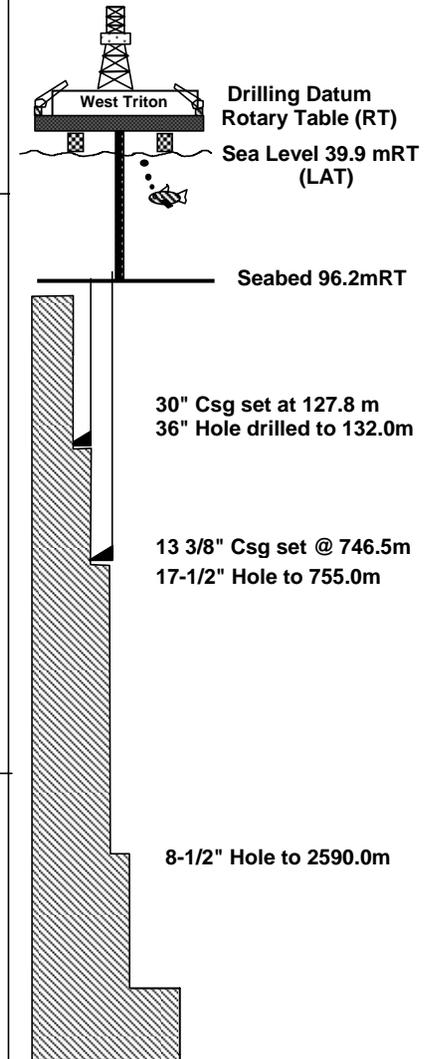
Drilling Data Plot Formation Evaluation
 Pressure Data Plot Gas Ratio Plot

ABBREVIATIONS

NB	New Bit	SG	Swab Gas
RB	Rerun Bit	SVG	Survey Gas
CB	Core Bit	C	Carbide Test
WOB	Weight on Bit	MW	Mud Density sg
RPM	Revs per Minute	V	Funnel Viscosity
FLC	Flow Check	F	Filtrate - API
FLCG	Flow Check Gas	FC	Filter Cake
PR	Poor Returns	PV	Plastic Viscosity
NR	No Returns	YP	Yield Point
LAT	Logged after trip	SOL	Solids %
BG	Background Gas	Sd	Sand %
TG	Trip Gas	Cl	Chlorides
STG	Short trip Gas	RM	Mud Resistivity
CG	Connection Gas	RMF	Filtrate Resistivity
SWG	Swab Gas	TVD	Total Vertical Depth

LITHOLOGY SYMBOLS

Calcarene	Calcisiltite	Argillaceous Calcisiltite	Calcilutite
Dolomitic Calcarene	Dolomitic Calcilutite	Marl	Limestone
Siltstone	Calcareous Siltstone	Argillaceous Siltstone	Sandstone
Claystone	Calcareous Claystone	Silty Claystone	Calcareous Sandstone



Company Nexus Energy Pty Ltd

Well Garfish-1

Permit VIC / L29

Region Bass Strait

Designation Exploration

Coordinates 038° 06' 38.0838" S
148° 15' 17.1466" E

Datum Rotary Table

Spud Date 28 May 2008

Spud Depth 96.2 mMDRT

RT – Sea Level 39.9 m above LAT

Total Depth 2590mMDRT/ 2589.6m TVDRT

Contractor Seadrill

Rig West Triton

Type Jack up

LOG INTERVAL

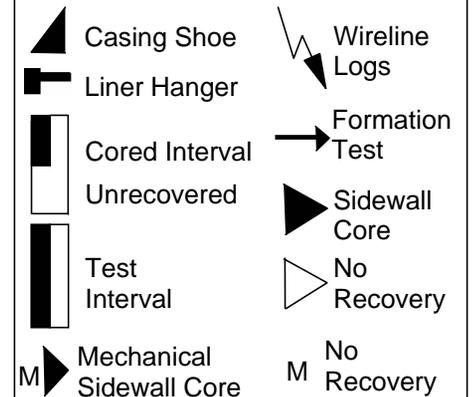
Depth 96.2m – 2590.0mMDRT

Date 28 May – 12 June 2008

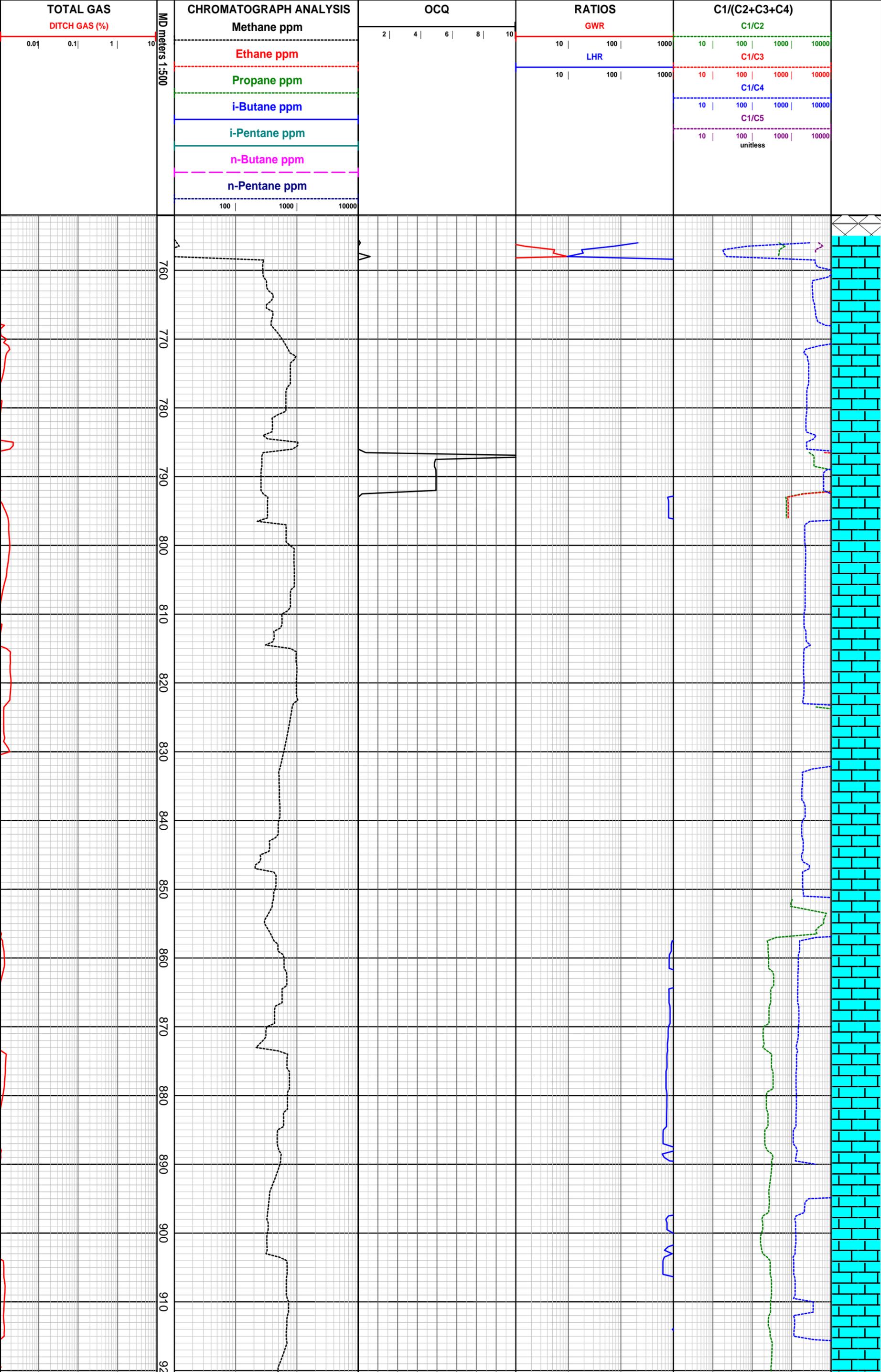
Scale 1 : 500

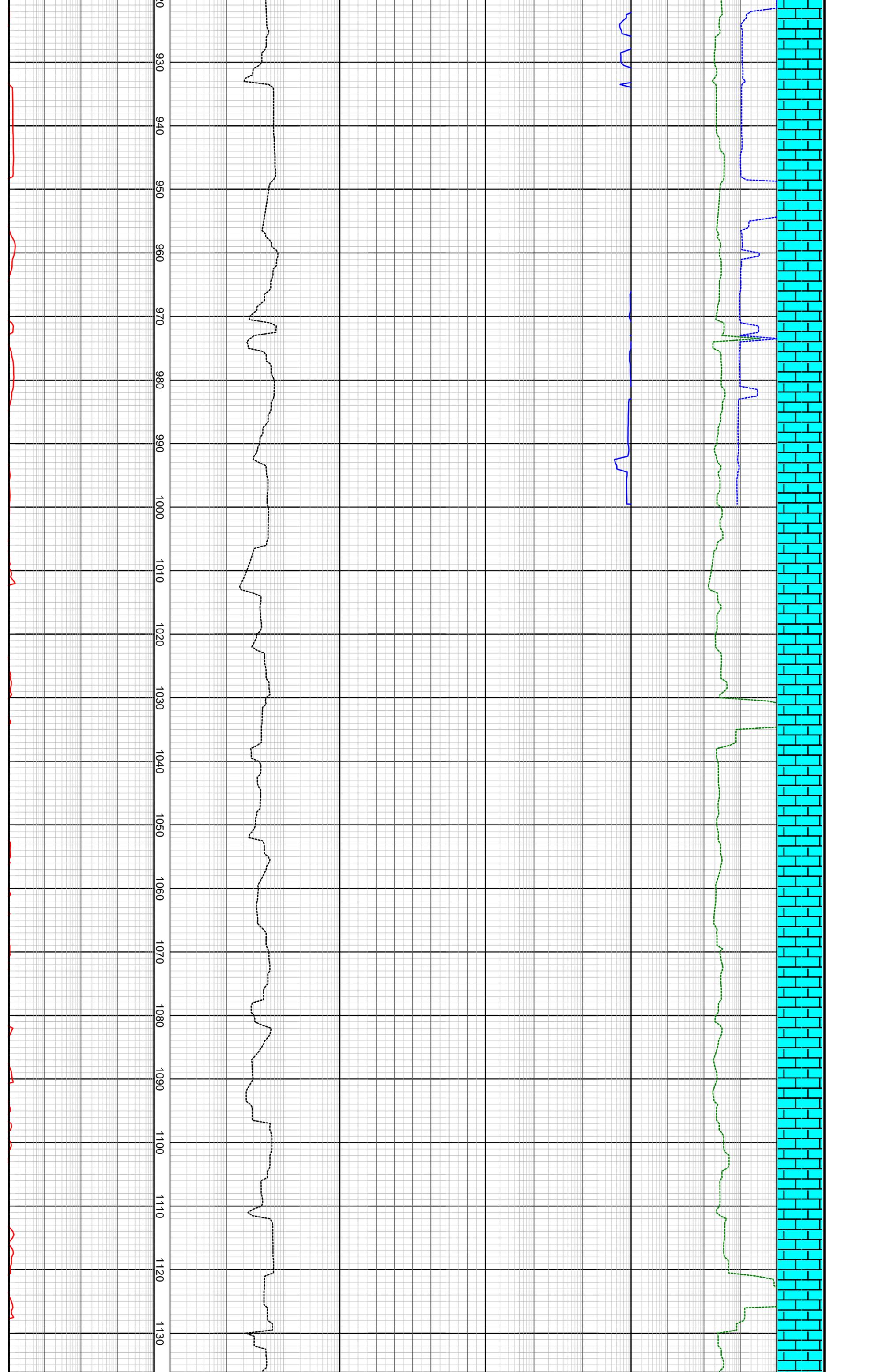
Data Engineers Deelip Mahajan, Ilyas Khan, John Mancarella,

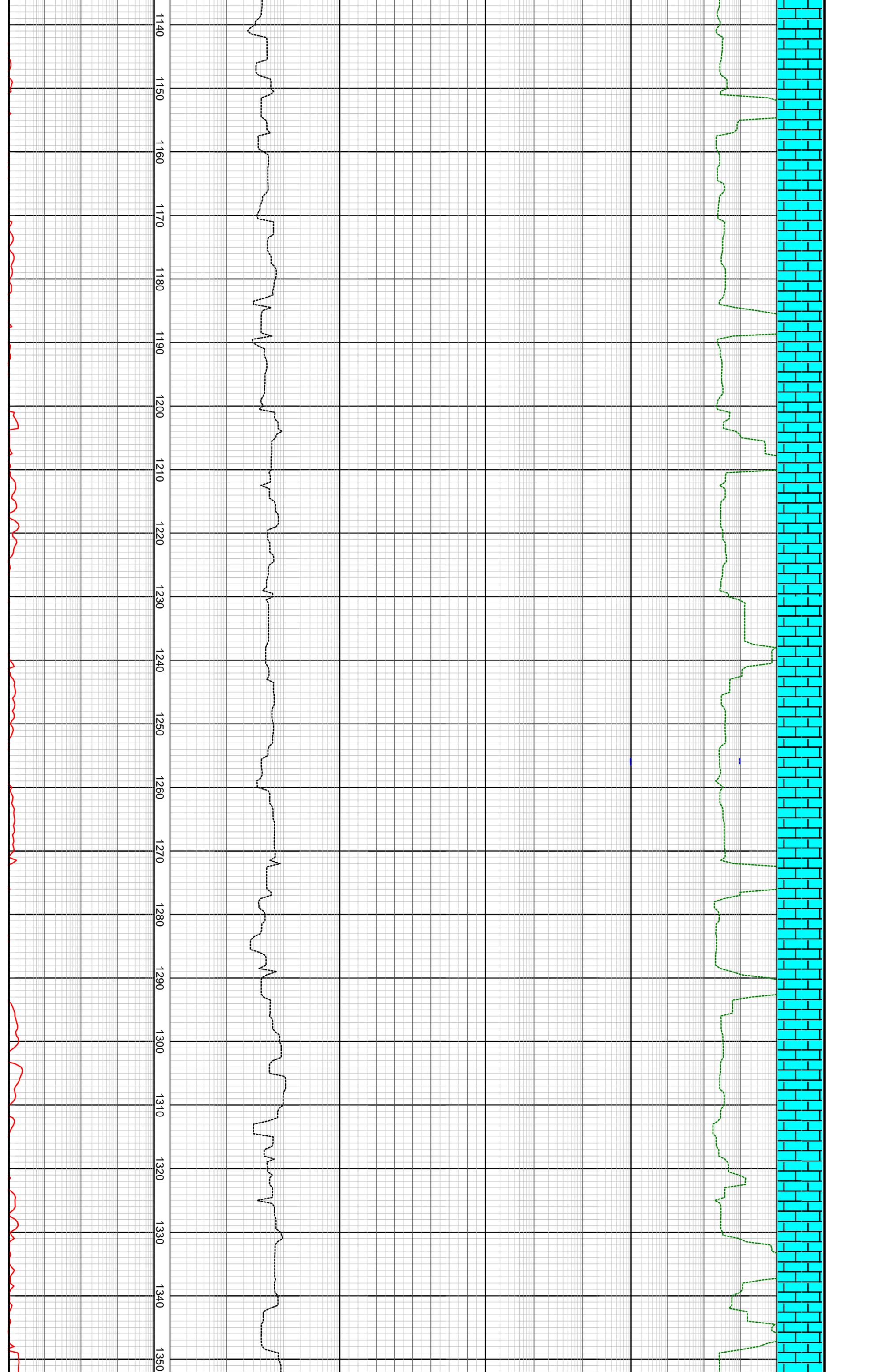
Loggers Rebecca Houston, Haylee Doggart

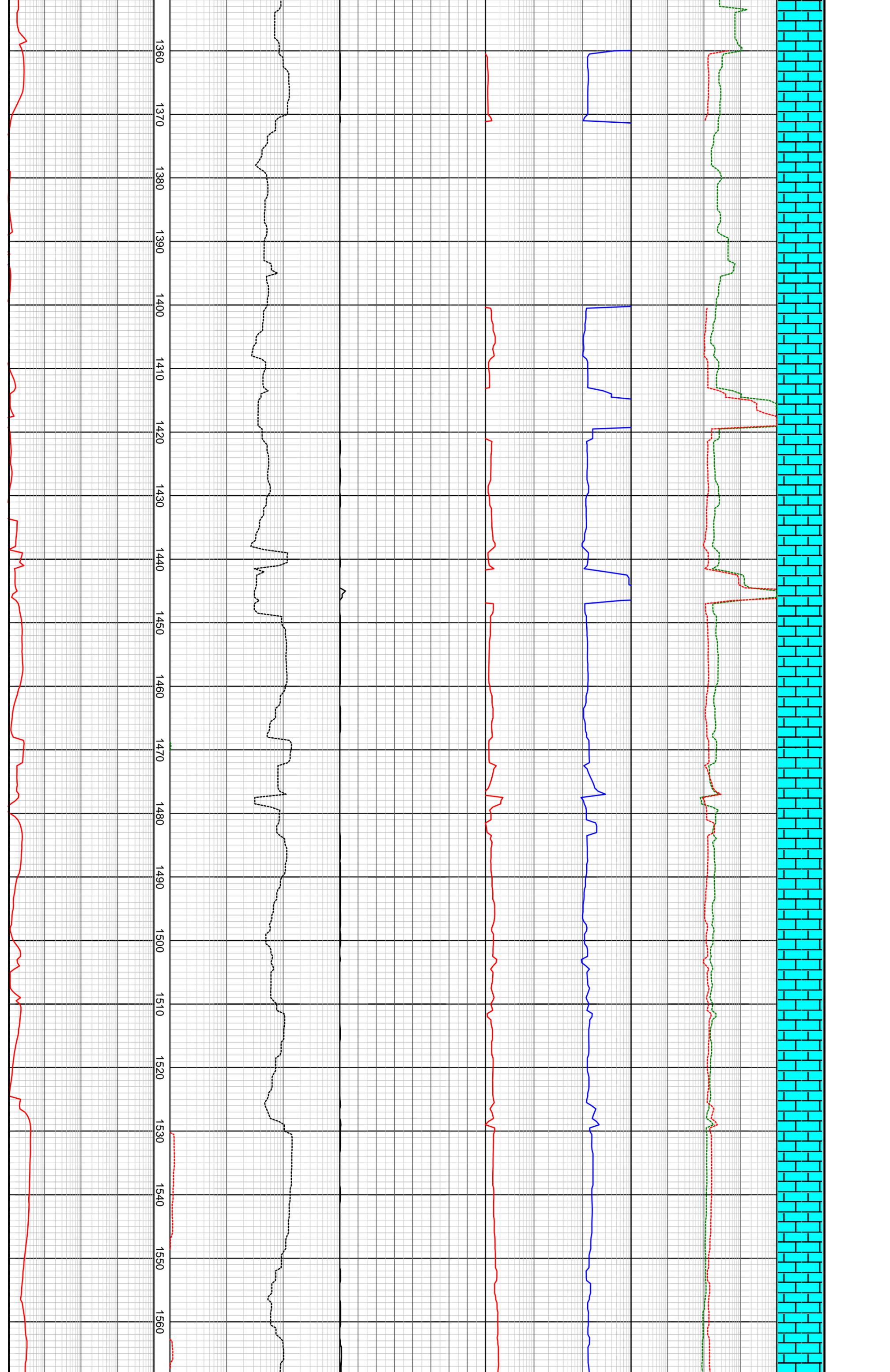


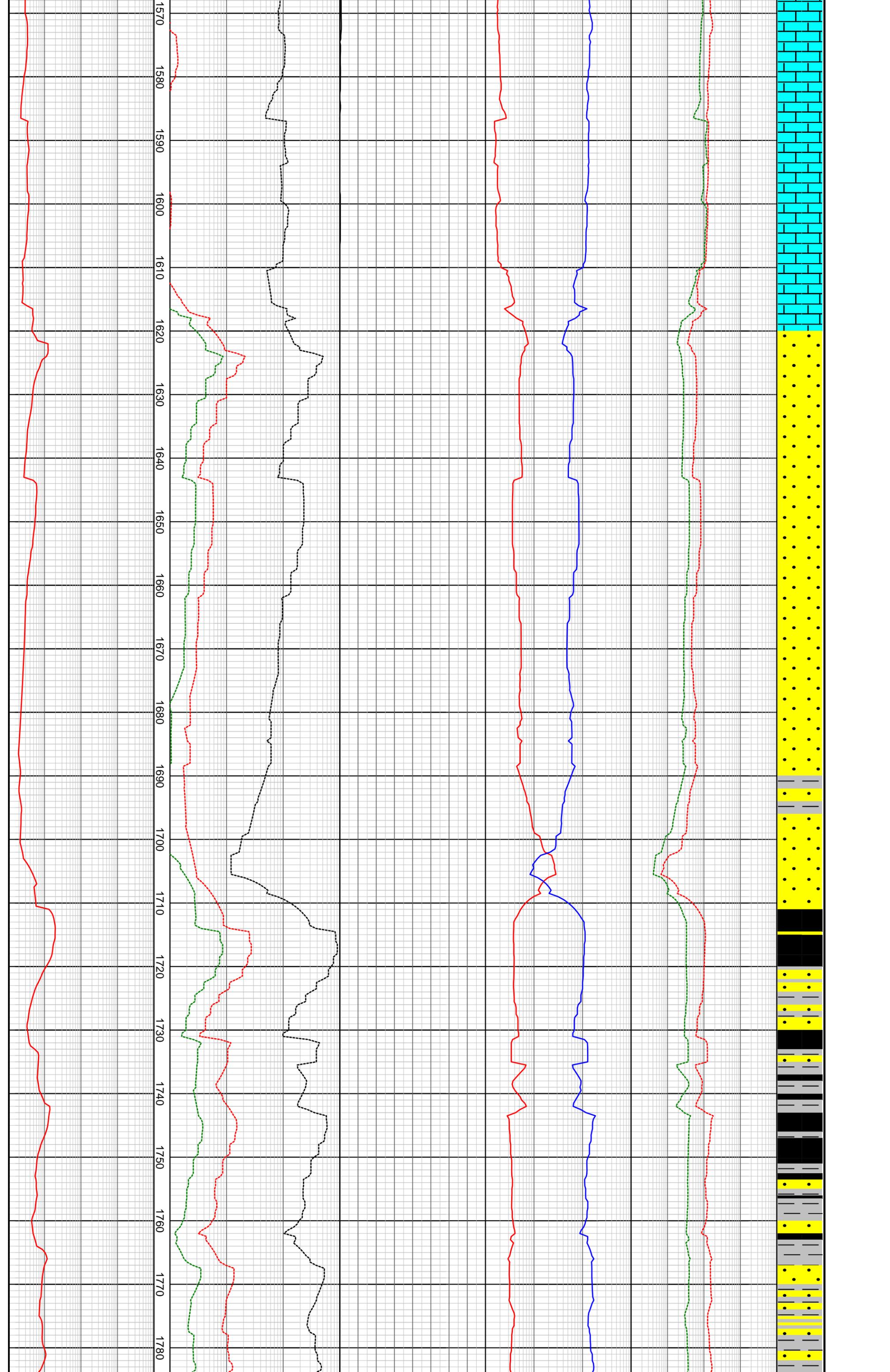
GAS RATIO PLOT

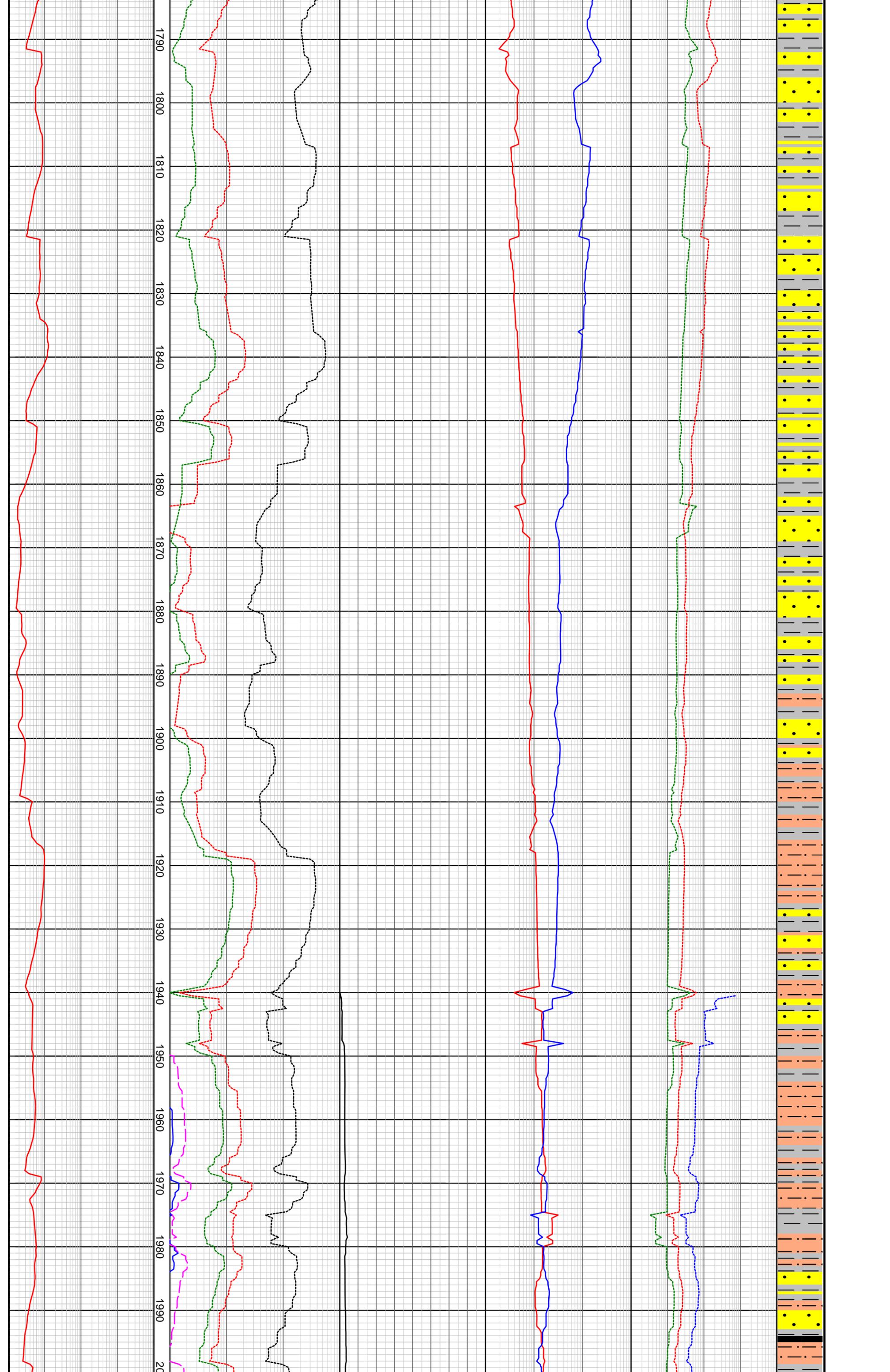


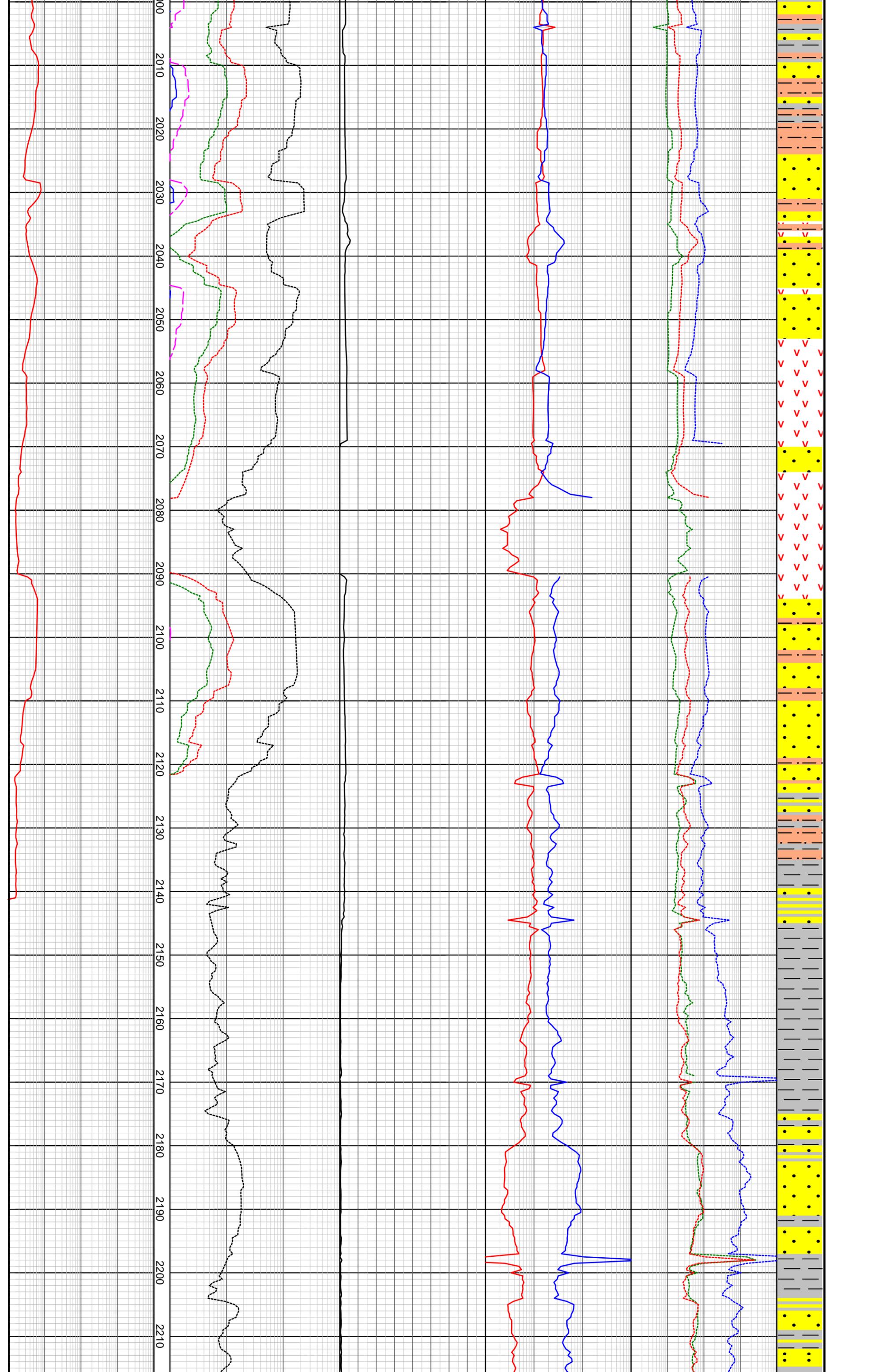


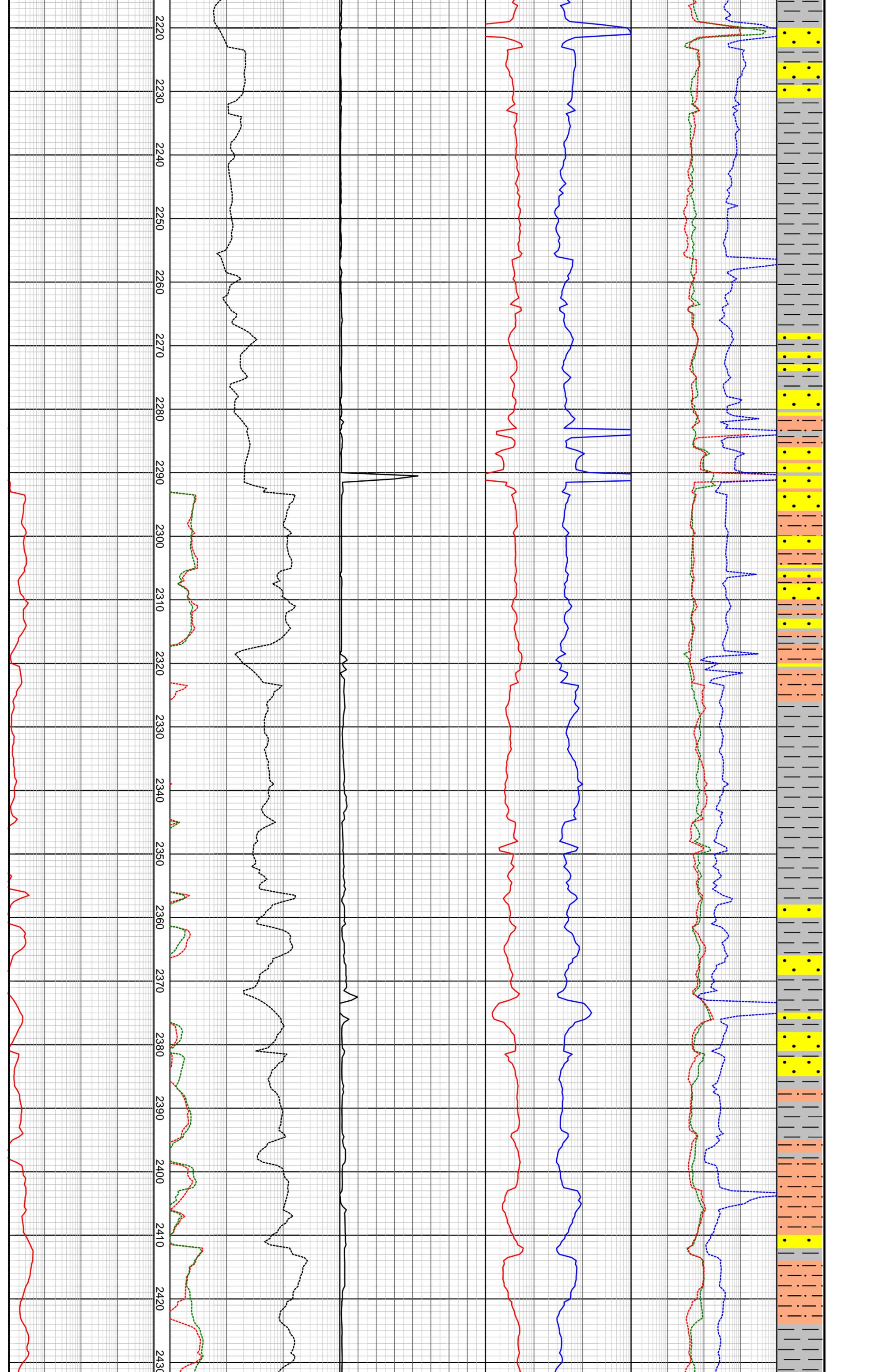


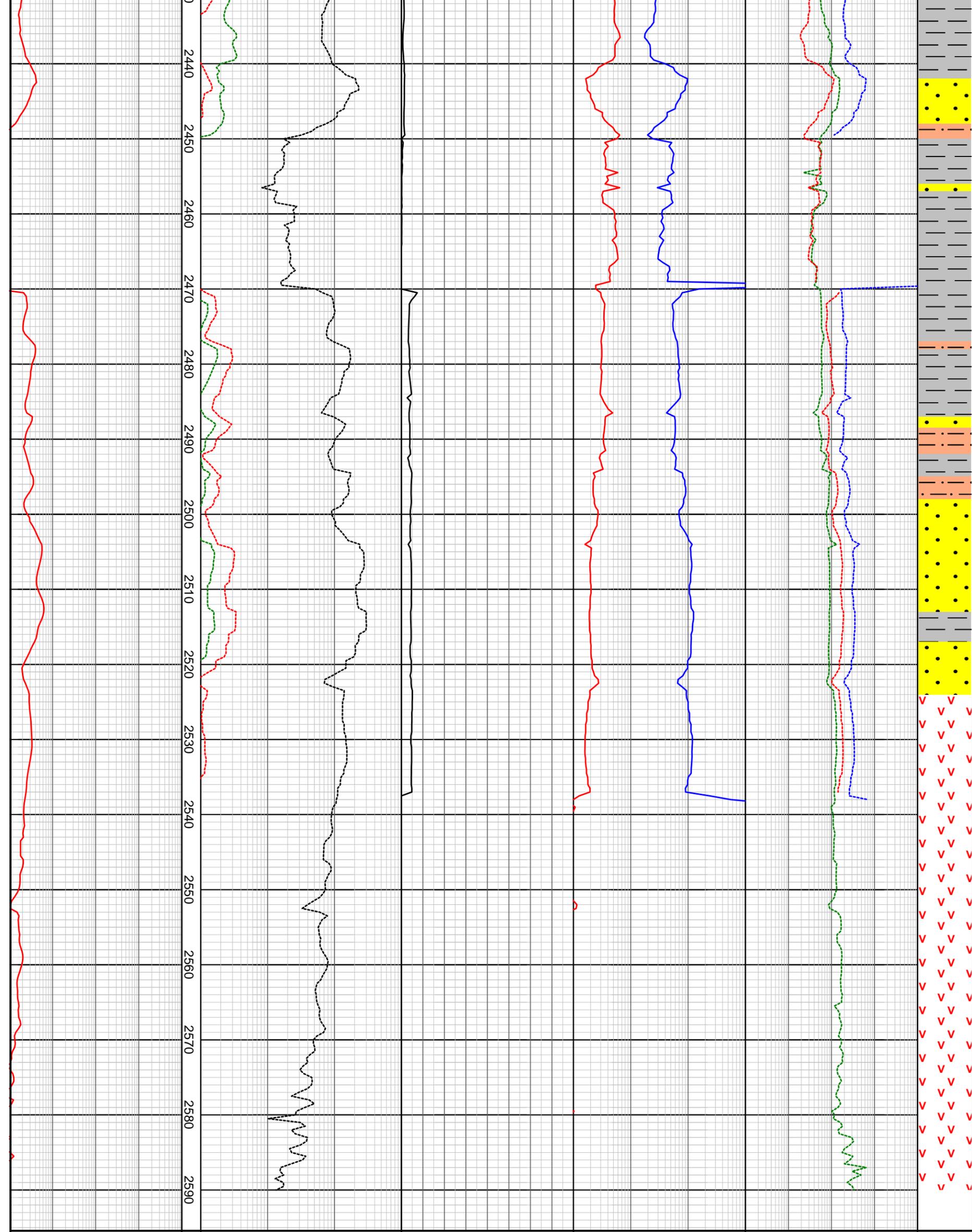












GAS RATIO PLOT

TOTAL GAS DITCH GAS (%)	CHROMATOGRAPH ANALYSIS	OCQ	RATIOS	C1/(C2+C3+C4)
0.01 0.1 1 10	Methane ppm	2 4 6 8 10	GWR 10 100 1000	C1/C2 10 100 1000 10000
	Ethane ppm		LHR 10 100 1000	C1/C3 10 100 1000 10000
	Propane ppm			C1/C4 10 100 1000 10000
	i-Butane ppm			C1/C5 10 100 1000 10000
	i-Pentane ppm			unitless
	n-Butane ppm			
	n-Pentane ppm			
	100 1000 10000			

MD meters 1:500

ENCLOSURE 3: DRILLING LOG



INTEQ LOG SUITE

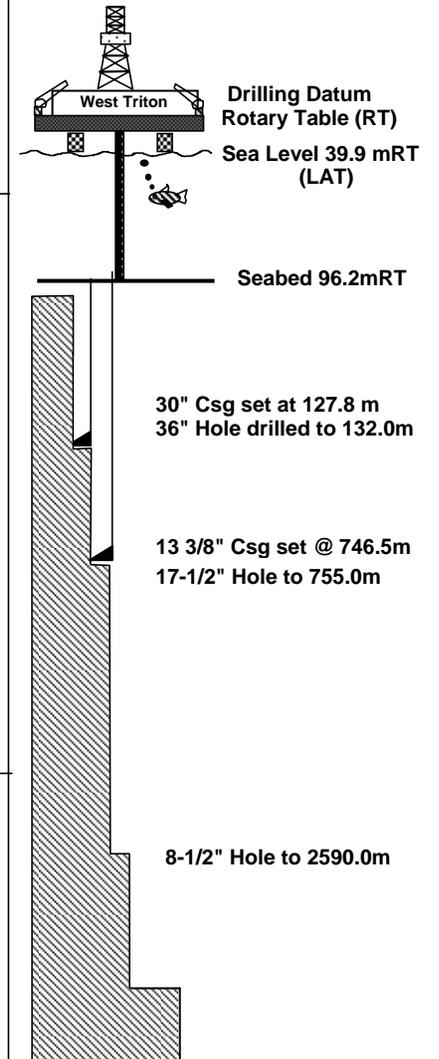
Drilling Data Plot Formation Evaluation
 Pressure Data Plot Gas Ratio Plot

ABBREVIATIONS

NB	New Bit	SG	Swab Gas
RB	Rerun Bit	SVG	Survey Gas
CB	Core Bit	C	Carbide Test
WOB	Weight on Bit	MW	Mud Density sg
RPM	Revs per Minute	V	Funnel Viscosity
FLC	Flow Check	F	Filtrate - API
FLCG	Flow Check Gas	FC	Filter Cake
PR	Poor Returns	PV	Plastic Viscosity
NR	No Returns	YP	Yield Point
LAT	Logged after trip	SOL	Solids %
BG	Background Gas	Sd	Sand %
TG	Trip Gas	Cl	Chlorides
STG	Short trip Gas	RM	Mud Resistivity
CG	Connection Gas	RMF	Filtrate Resistivity
SWG	Swab Gas	TVD	Total Vertical Depth

LITHOLOGY SYMBOLS

Calcarenite	Calcisiltite	Argillaceous Calcisiltite	Calcilutite
Dolomitic Calcarenite	Dolomitic Calcilutite	Marl	Limestone
Siltstone	Calcareous Siltstone	Argillaceous Siltstone	Sandstone
Claystone	Calcareous Claystone	Silty Claystone	Calcareous Sandstone



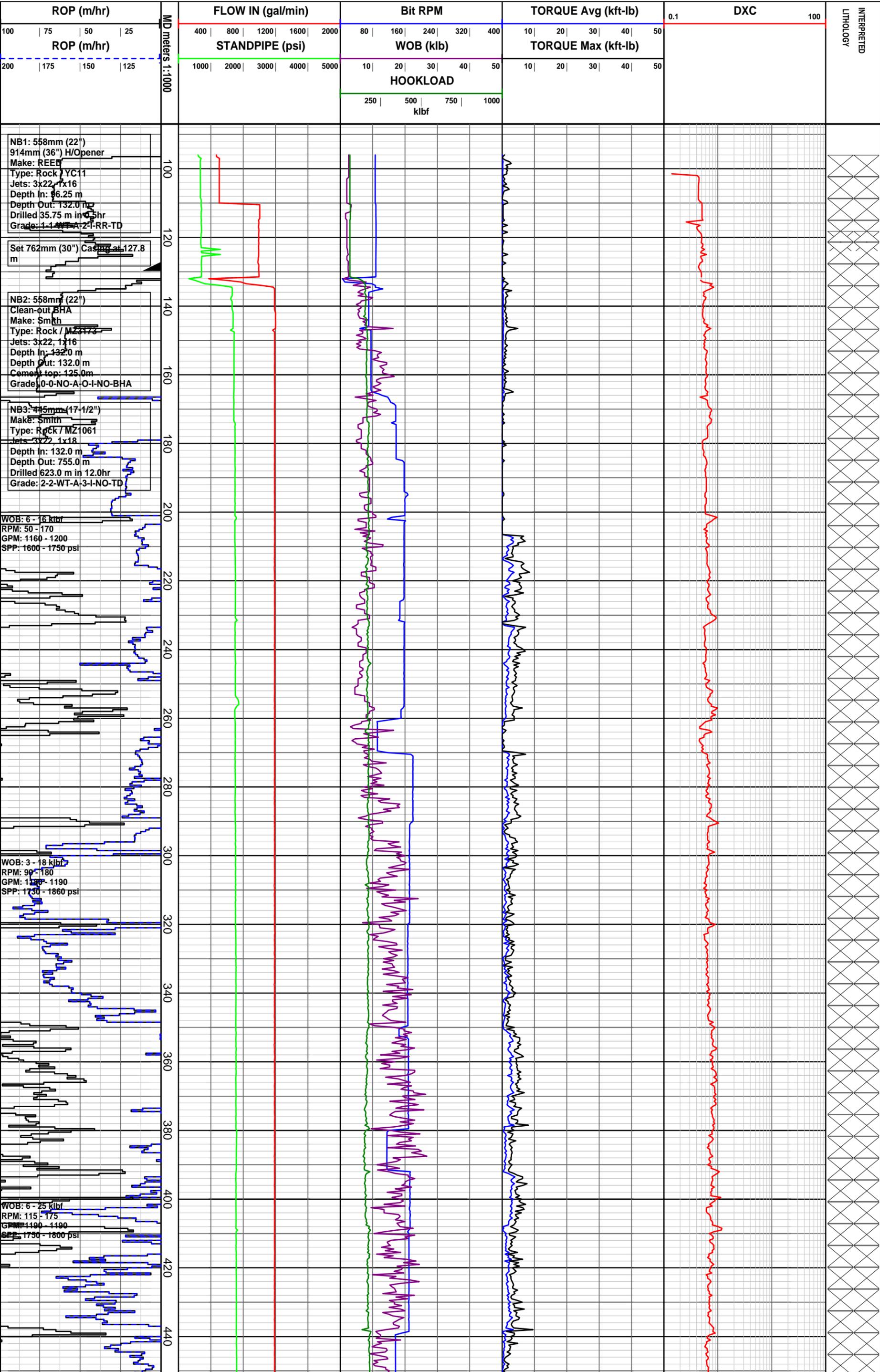
Company	Nexus Energy Pty Ltd
Well	Garfish-1
Permit	VIC / L29
Region	Bass Strait
Designation	Exploration
Coordinates	038° 06' 38.0838" S 148° 15' 17.1466" E
Datum	Rotary Table
Spud Date	28 May 2008
Spud Depth	96.2 mMDRT
RT – Sea Level	39.9 m above LAT
Total Depth	2590mMDRT/ 2589.6m TVDRT
Contractor	Seadrill
Rig	West Triton
Type	Jack up

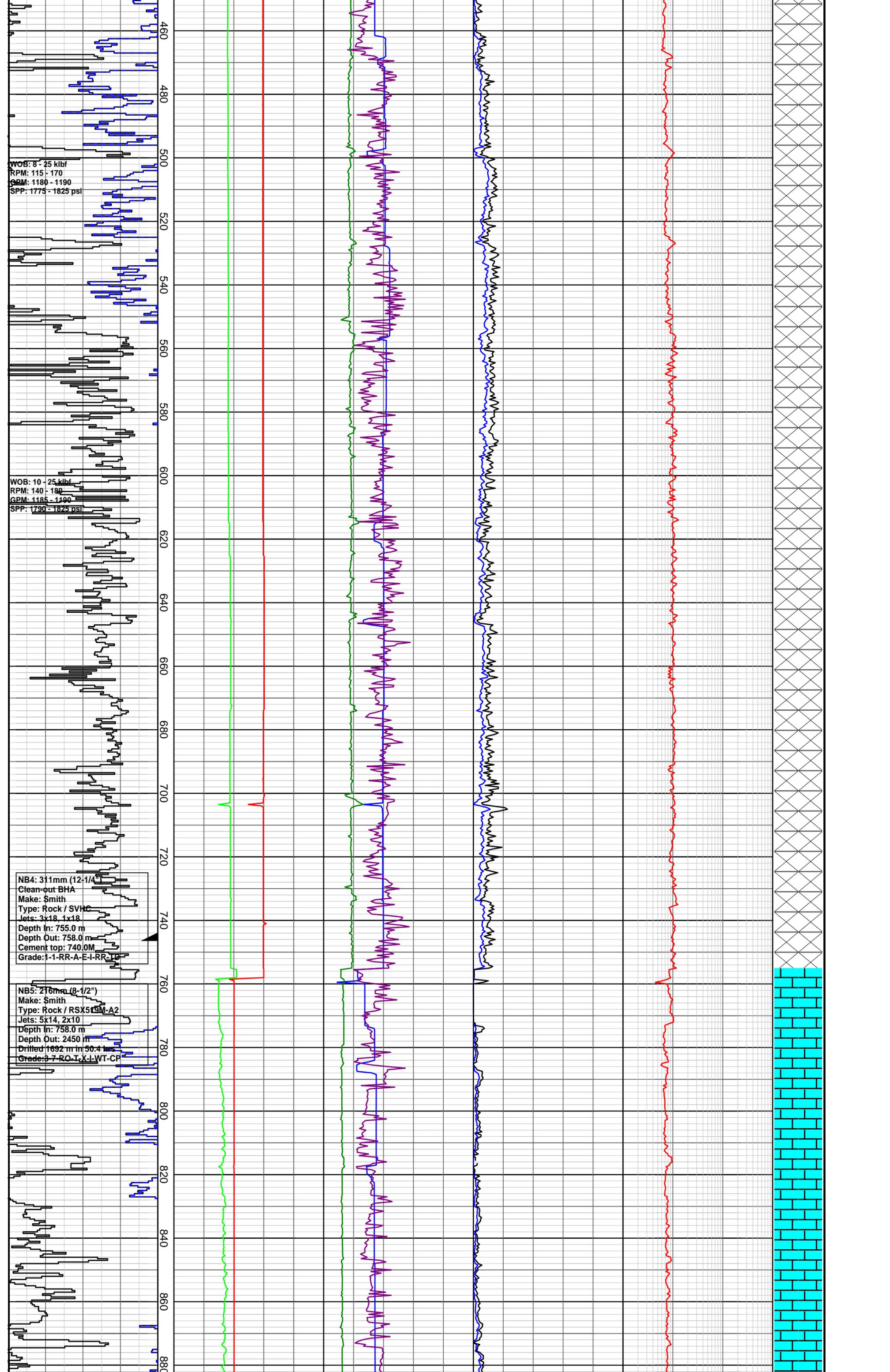
LOG INTERVAL

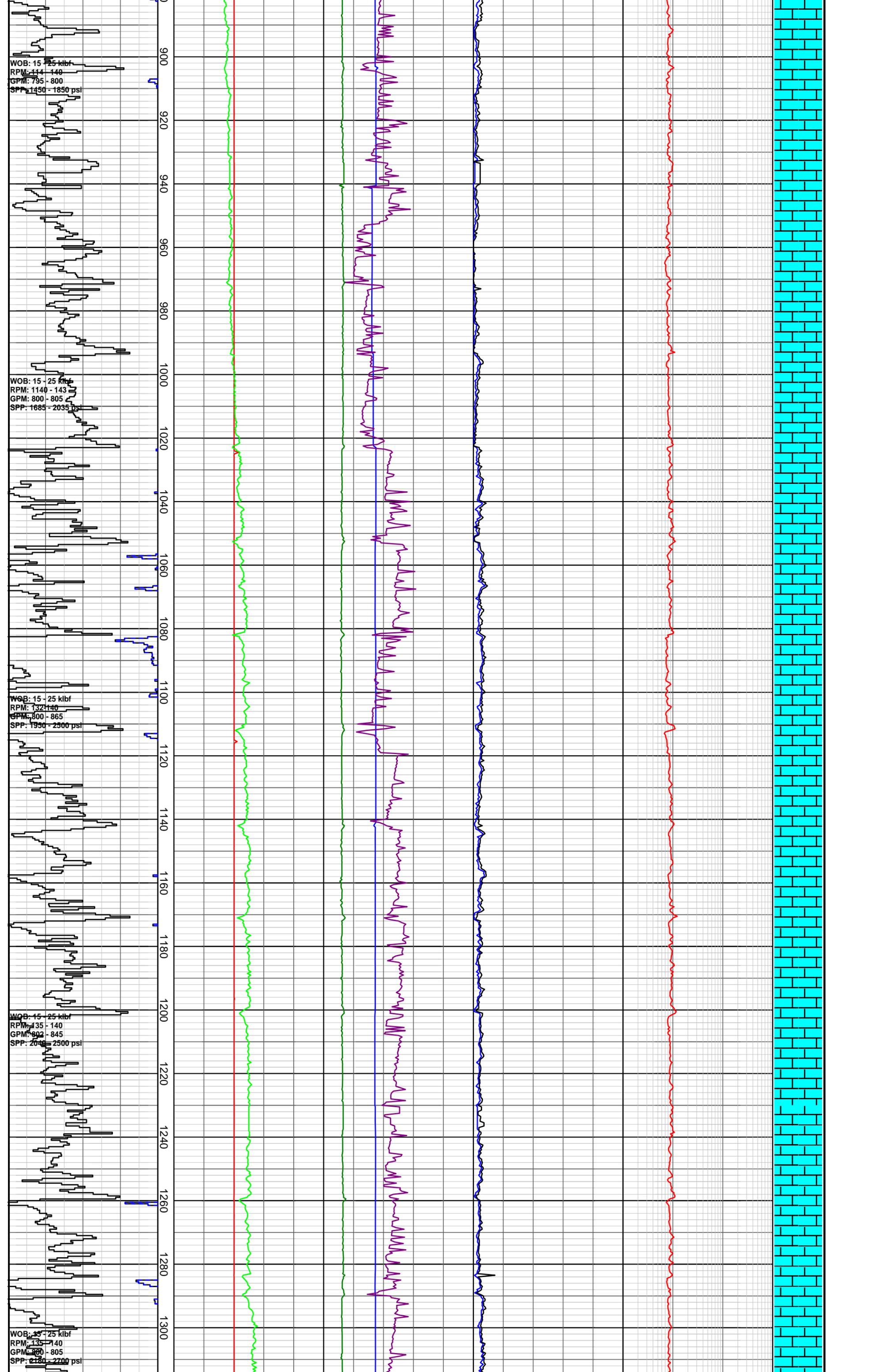
Depth	96.2m – 2590.0mMDRT
Date	28 May – 12 June 2008
Scale	1 : 500
Data Engineers	Deelip Mahajan, Ilyas Khan, John Mancarella,
Loggers	Rebecca Houston, Haylee Doggart

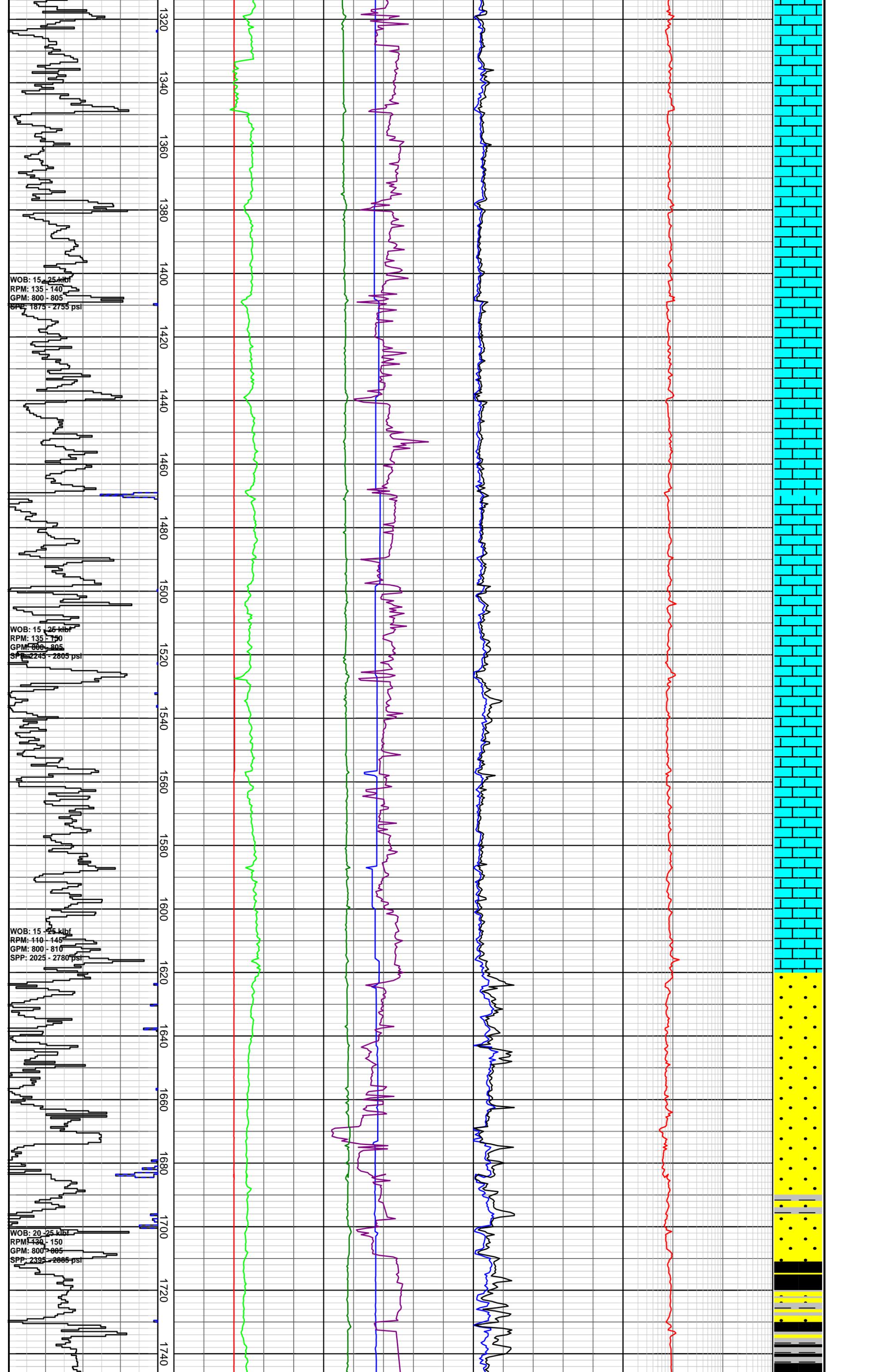
	Casing Shoe		Wireline Logs
	Liner Hanger		Formation Test
	Cored Interval		Sidewall Core
	Unrecovered		No Recovery
	Test Interval		No Recovery
	Mechanical Sidewall Core		No Recovery

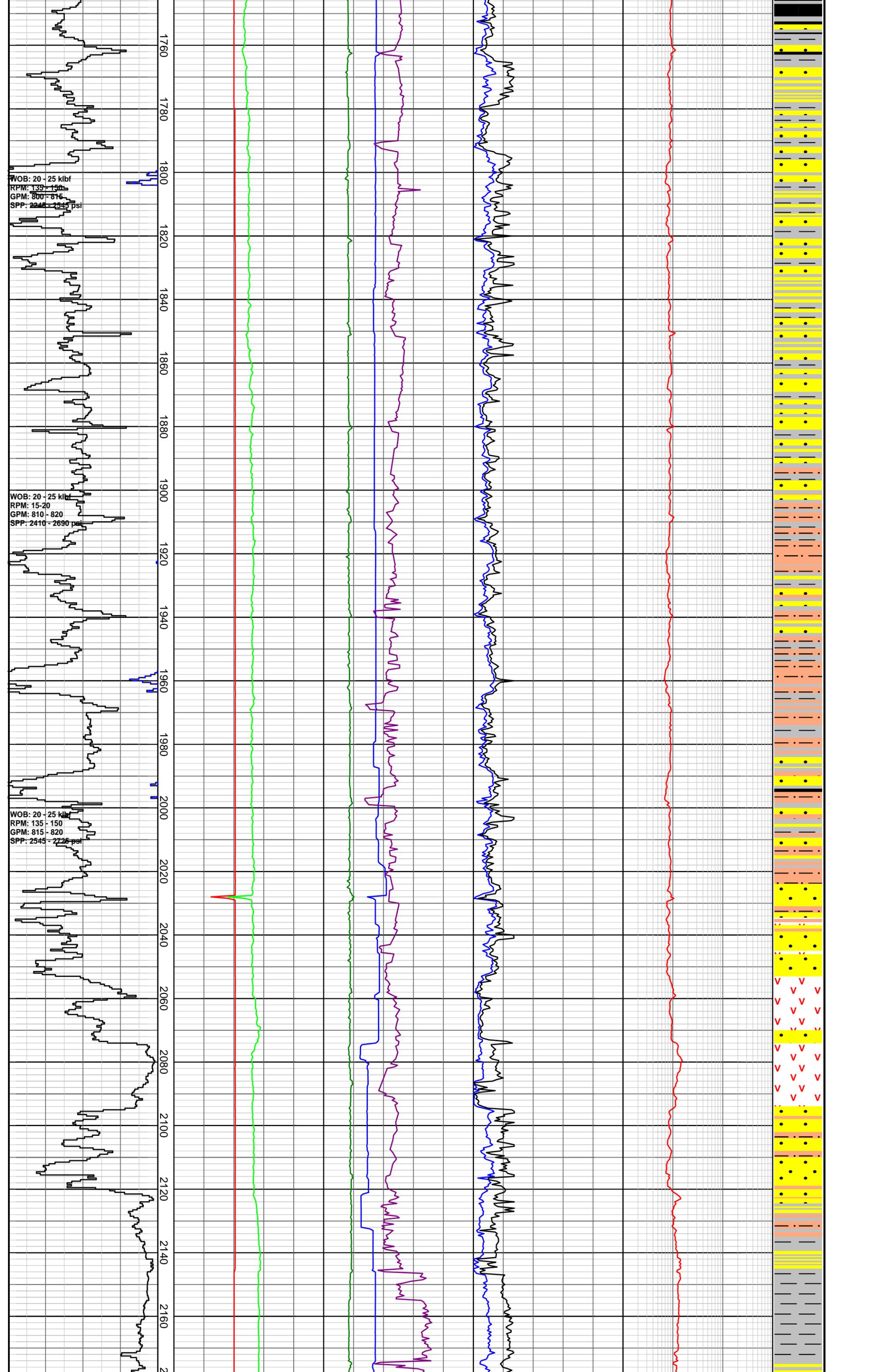
DRILLING DATA PLOT

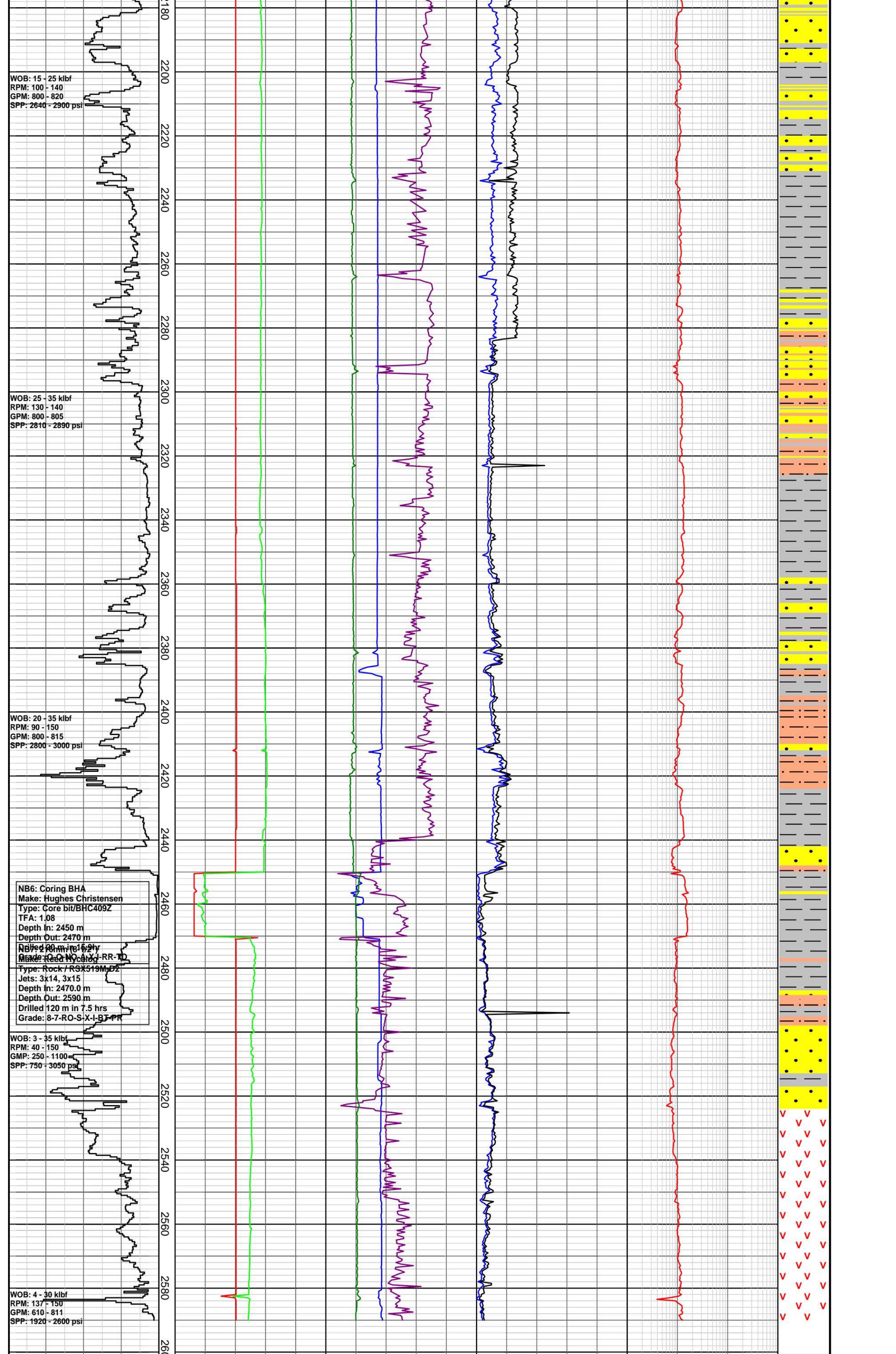












DRILLING DATA PLOT

ROP (m/hr)				MD meters 1:1000	FLOW IN (gal/min)					Bit RPM					TORQUE Avg (kft-lb)					0.1	DXC		100	INTERPRETED LITHOLOGY	
100	75	50	25		400	800	1200	1600	2000	80	160	240	320	400	10	20	30	40	50						
ROP (m/hr)					STANDPIPE (psi)					WOB (klb)					TORQUE Max (kft-lb)										
200	175	150	125	1000	2000	3000	4000	5000	10	20	30	40	50	10	20	30	40	50							
									HOOKLOAD																
									250 500 750 1000 klbf																

ENCLOSURE 4: PRESSURE LOG



INTEQ LOG SUITE

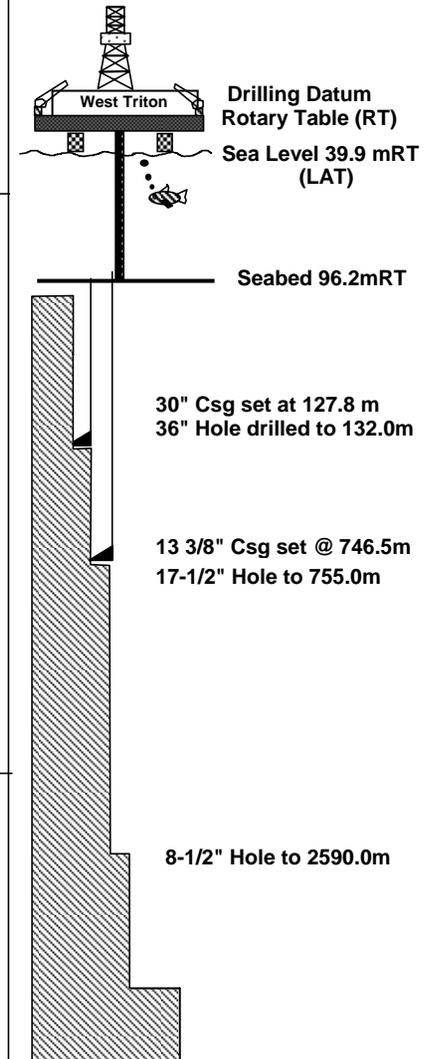
Drilling Data Plot Formation Evaluation
 Pressure Data Plot Gas Ratio Plot

ABBREVIATIONS

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CB	Core Bit	C	Carbide Test
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Dolomitic Calcarene	Dolomitic Calcilutite	Marl	Limestone
Siltstone	Calcareous Siltstone	Argillaceous Siltstone	Sandstone
Claystone	Calcareous Claystone	Silty Claystone	Calcareous Sandstone



Company Nexus Energy Pty Ltd

Well Garfish-1

Permit VIC / L29

Region Bass Strait

Designation Exploration

Coordinates 038° 06' 38.0838" S
148° 15' 17.1466" E

Datum Rotary Table

Spud Date 28 May 2008

Spud Depth 96.2 mMDRT

RT – Sea Level 39.9 m above LAT

Total Depth 2590mMDRT/ 2589.6m TVDRT

Contractor Seadrill

Rig West Triton

Type Jack up

LOG INTERVAL

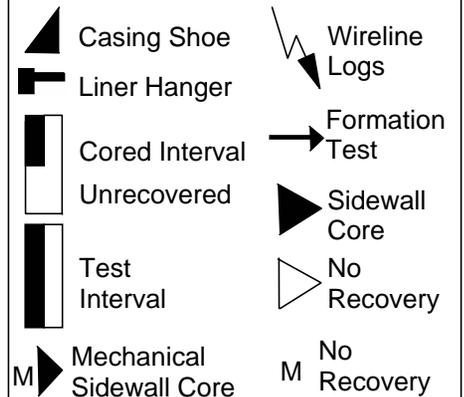
Depth 96.2m – 2590.0mMDRT

Date 28 May – 12 June 2008

Scale 1 : 500

Data Engineers Deelip Mahajan, Ilyas Khan, John Mancarella,

Loggers Rebecca Houston, Haylee Doggart



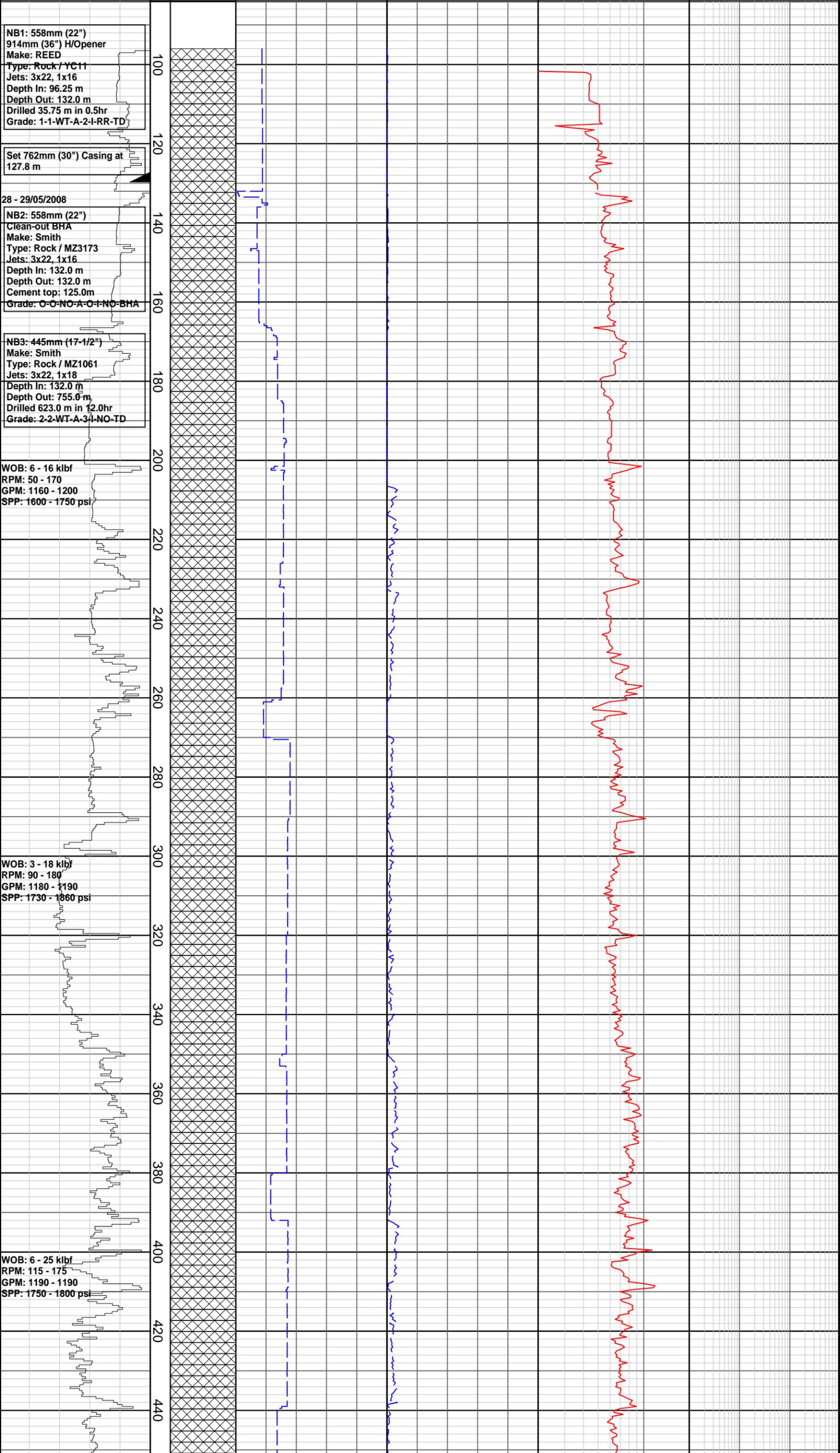


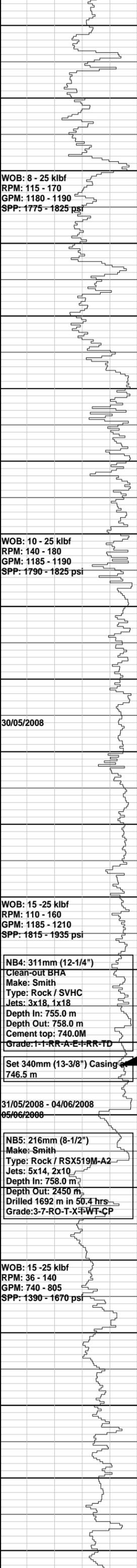
Company : Nexus Energy
 Well : Garfish-1
 Interval : 84.00 - 2598.16 meters
 Created : 17/Jun/2008 5:02:15 AM



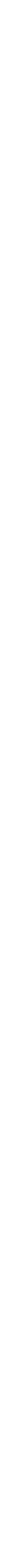
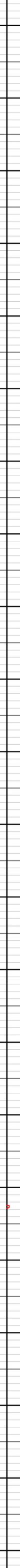
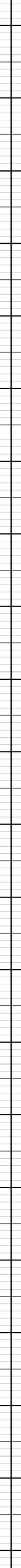
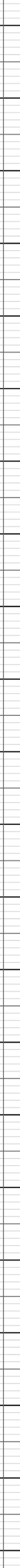
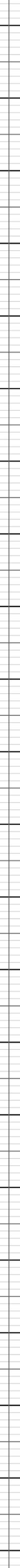
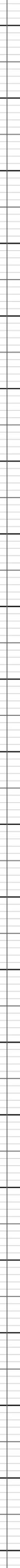
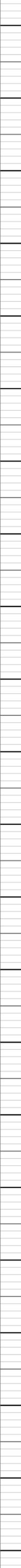
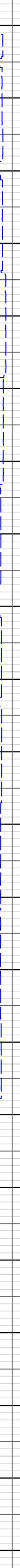
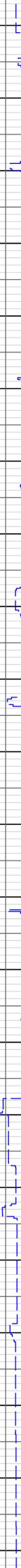
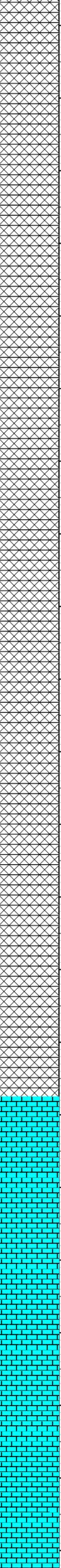
INTEQ

PENETRATION RATE ROP	MD meters :1000	LITHOLOGY	INTERPRETED	PRESSURE DATA PLOT			
				ROTARY SPEED BIT RPM	TORQUE AVERAGE	DXC DATA	GAS DATA
300 240 180 120 60 m/hr				100 200 300 400 500 RPM	10 20 30 40 50 kft.lb	0.2 DXC 2	1 10 100 %





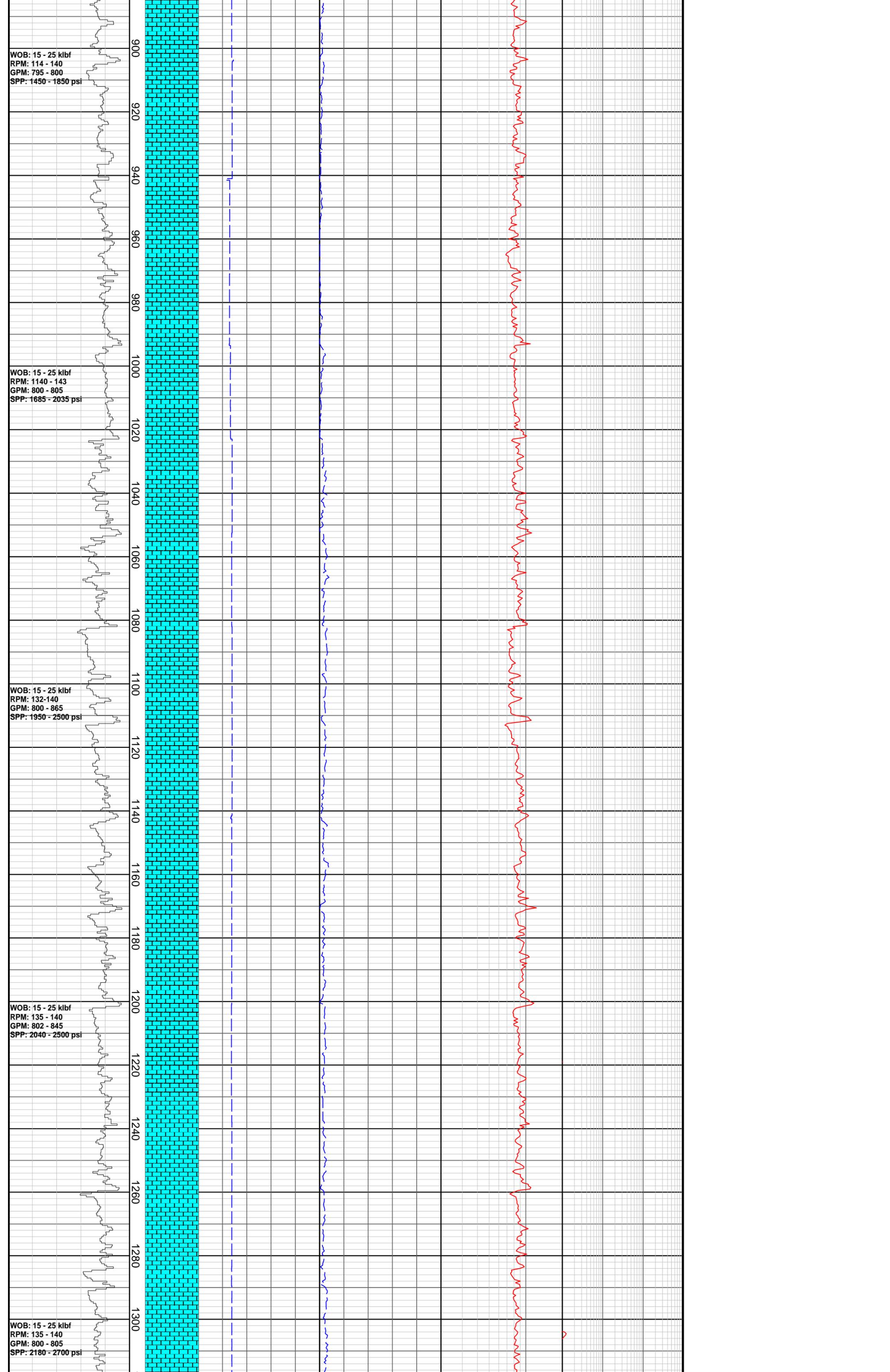
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780
800
820
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860
880

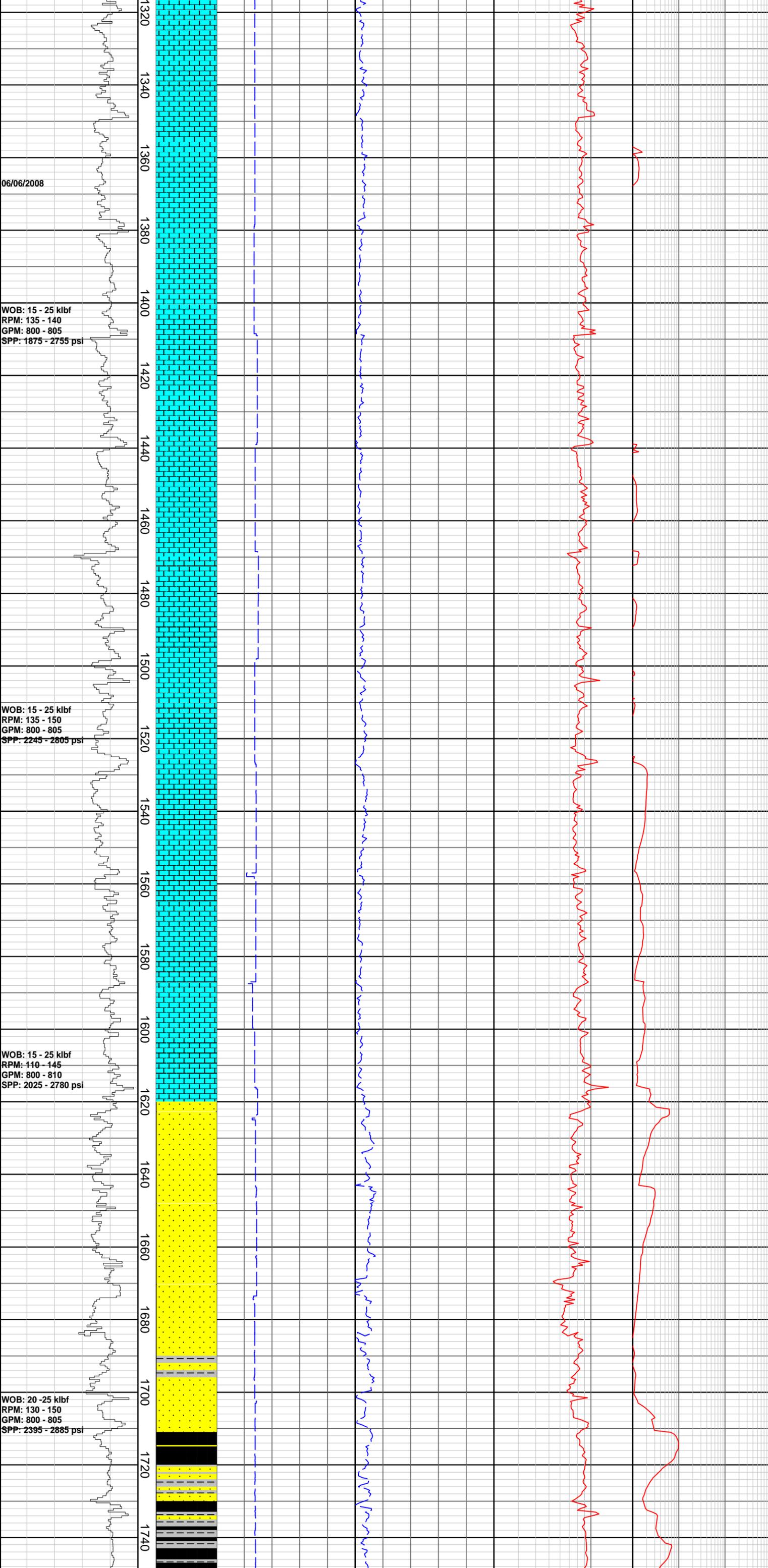


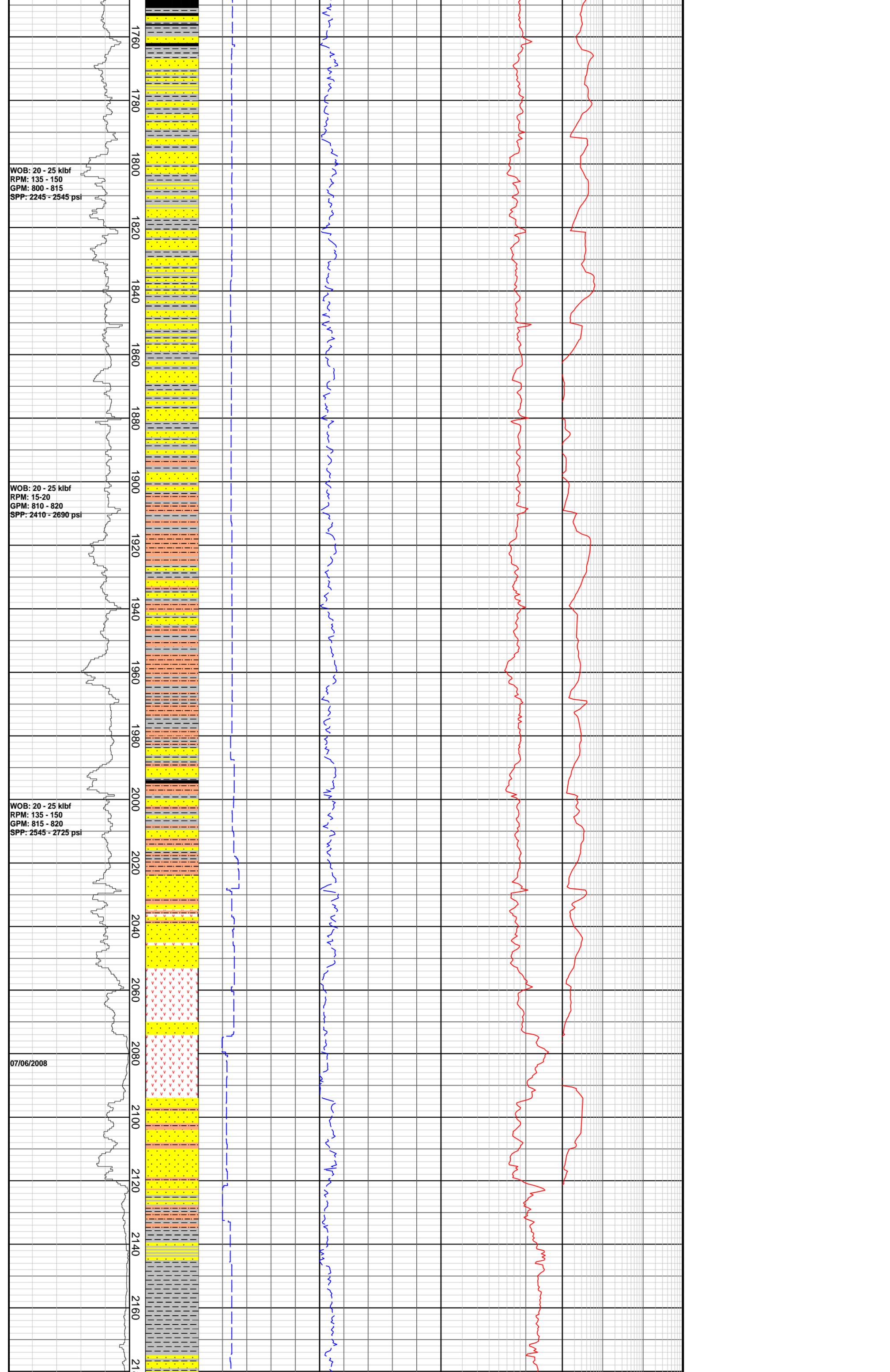
NB4: 311mm (12-1/4")
Clean-out BHA
Make: Smith
Type: Rock / SVHC
Jets: 3x18, 1x18
Depth In: 755.0 m
Depth Out: 758.0 m
Cement top: 740.0M
Grade: 1-1-RR-A-E-1-RR-TD

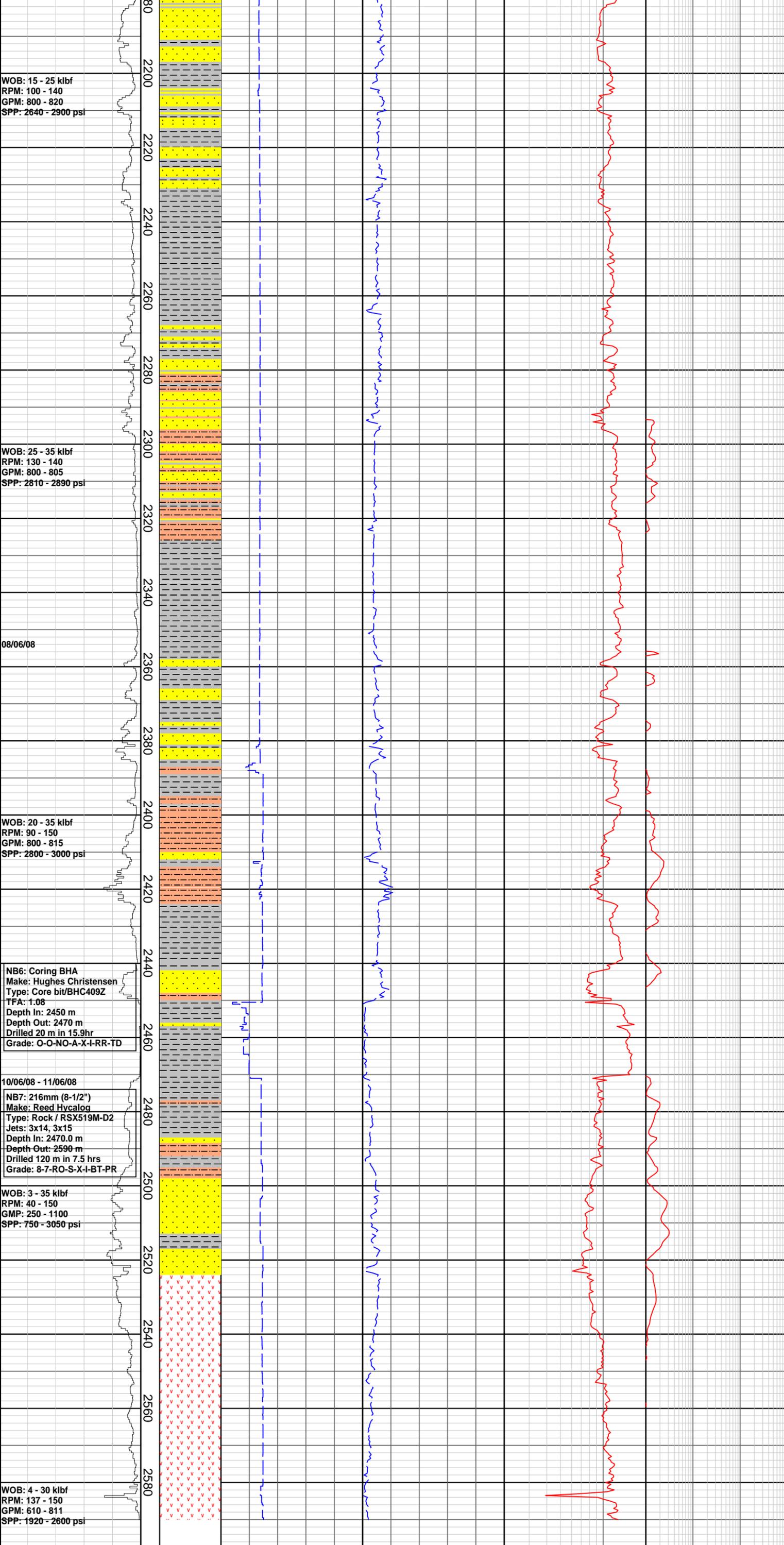
Set 340mm (13-3/8") Casing at 746.5 m

NB5: 216mm (8-1/2")
Make: Smith
Type: Rock / RSX519M-A2
Jets: 5x14, 2x10
Depth In: 758.0 m
Depth Out: 2450 m
Drilled 1692 m in 50.4 hrs
Grade: 3-7-RO-T-X-T-WT-CP









PRESSURE DATA PLOT

PENETRATION RATE

ROTARY SPEED

TORQUE

DXC DATA

GAS DATA

ROP

RPM

AVERAGE

DXC

TOTAL GAS

M

ROP					BIT RPM					AVERAGE					DAG		TOTAL GAS		
300	240	180	120	60	100	200	300	400	500	10	20	30	40	50	0.2	2	1	10	100
m/hr					RPM					kft.lb							%		
2 meters 1:1000																			
LITHOLOGY																			
INTERPRETED																			

ENCLOSURE 5: BASIC PALYNOLOGICAL RANGE CHART

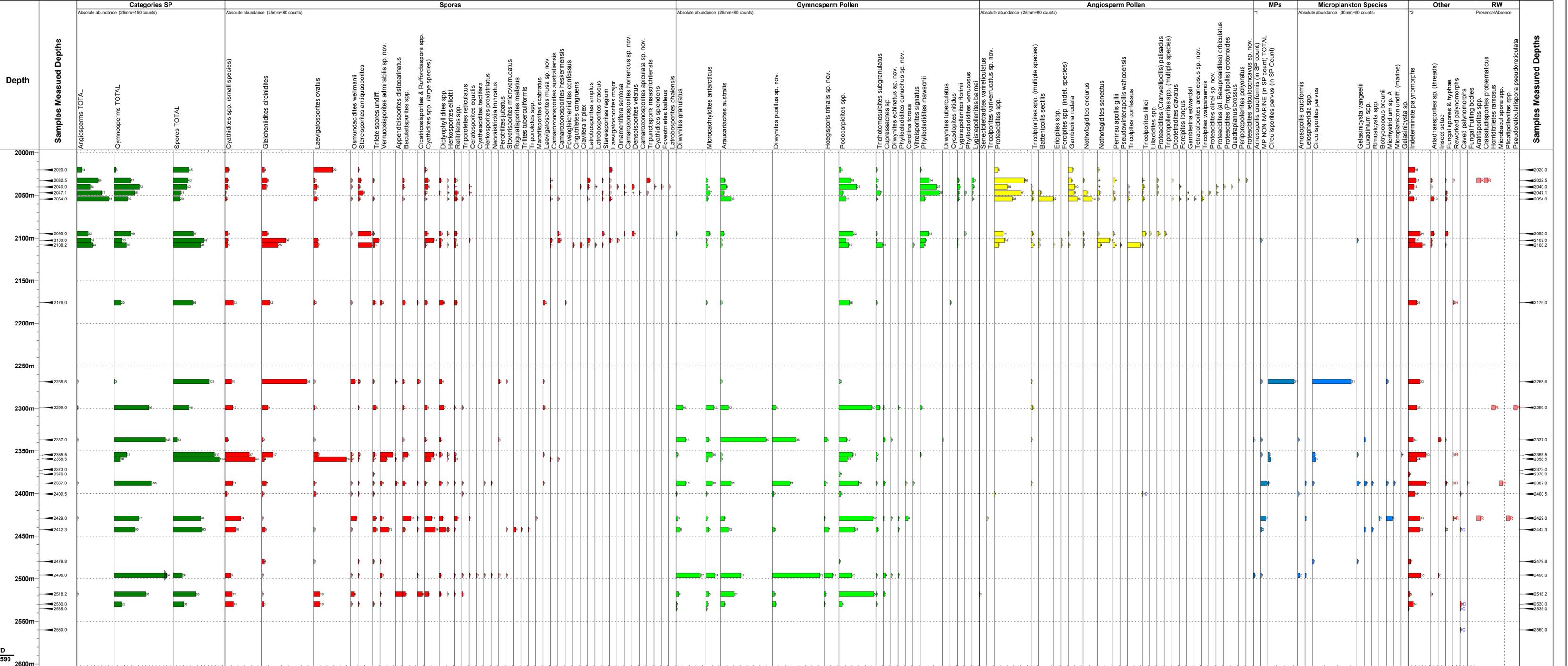
Well Name : Garfish-1

Operator : Nexus Energy Spudded : 28 May 2008
 Well Code : GARFISH-1 Completed : 19 June 2008
 Lat/Long : 38° 6' 38.08"S 148°15' 17.14"E
 Interval : 2000m - 2600m BASIC Range Chart - Absolute abundance
 Scale : 1:2500 Sample Interval 2020 to 2560mMD
 Chart date: 28 February 2009 Microscope Analysis by Alan D. Partridge

Biostrata Pty Ltd
 AUSTRALIA

Garfish-1

Attachment to Biostrata Report 2009/02B



TD
2590

