



**DRILLING MORNING REPORT # 16**  
**Garfish-1**

09 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	98.0m	Shoe TVDBRT	746.5m	Daily Cost	AUD\$650,000
Rig	West Triton	Days from spud	12.44	Shoe MDBRT	746.5m	Cum Cost	AUD\$16,861,134
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 jnts DP to drill further. 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 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	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	2411.0m	Drilled 8.5in hole from 2352m to 2410m. Drilling break at 2407m: ROP increase from 11m/hr to 30m/hr. Flowcheck.
P12	P	G2	0430	0530	1.00	2411.0m	Stood back 2 stands DP in derrick and picked up 6 singles 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, POOH wet from 2450m to 1285m.
P12	P	F4	1300	1330	0.50	2450.0m	Made up TDS, pumped 20bbl slug.
P12	P	G8	1330	1600	2.50	2450.0m	Continued POOH from 1285m to 132m. Flow checked at shoe.
P12	P	G8	1600	1730	1.50	2450.0m	Changed out auto elevators for 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 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. Laid down 1 single DP for space-out.
P12	P	F4	0500	0600	1.00	2450.0m	Broke circulation and washed down from 2421m to tag bottom at 2450m. Broke pipe, dropped ball and circulated ball down.

**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

<b>Operational Comments</b>	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.			

<b>Bit # 5</b>	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									

<b>Bit # 6</b>	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		TFA 0.000							



Bit Comment	Coring PDC
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<b>BHA # 5</b>							
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							

<b>BHA # 6</b>							
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			

<b>Survey</b>								
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	0.00	0.0	0.0	0.0	0.0	
2433.46	1.6	329.5	2394.85	21.9	21.9	-4.6	0.3	
			2433.17	22.9	22.9	-5.1	0.3	

<b>Bulk Stocks</b>						
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	

<b>Pumps</b>																	
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. 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	6
Halliburton	2
Tamboritha	3
Schlumberger MWD/LWD	6
Q Tech	1
<b>Total</b>	<b>92</b>

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 De-Sander						
Kill Brine 330.0bbl	De-Silter 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



<b>Helicopter Movement</b>				
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1030 / 1042	11 / 8	Crew Change