



DRILLING MORNING REPORT # 2
Longtom-4 P

25 Jul 2008

From: B Openshaw/ R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2600.0m	Cur. Hole Size	9.500in	AFE Cost	US\$81,987,600
Field	Longtom	TVDBRT	2351.2m	Last Casing OD	10.750in	AFE No.	LSRDV01/6
Drill Co.	Seadrill	Progress	215.0m	Shoe TVDBRT	2337.6m	Daily Cost	US\$650,000
Rig	West Triton	Days from spud	34.94	Shoe MDBRT	2590.8m	Cum Cost	US\$853,000
Wtr Dpth(MSL)	55.968m	Days on well	1.31	FIT/LOT:	1.68sg /		
RT-ASL(MSL)	41.1m	Planned TD MD	5822.0m	Current Op @ 0600	POOH to cut core.		
RT-ML	97.1m	Planned TD TVDRT	2702.0m	Planned Op	Run core barrel and cut core.		

Summary of Period 0000 to 2400 Hrs
RIH with 9.5in BHA from 982m to 2525m. Washed down and tagged cement at 2551m. Drilled cement from 2551m to shoe at 2591m and rathole to 2600m. Drilled 4m of new formation, circulated bottoms up and performed FIT to 14ppg EMW. Drilled ahead from 2604m to 2819m.

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		5 Days	Held at 10.35 hours.	Rig alarms activated.
Drills		10 Days	Spill Drill	A containment drill was held on a failed equalisation valve between the sand trap tanks.
Dropped Object		12 Days	Broken bolt on Link Tilt bracket.	When the link Tilt was retracted, the uneven piston movement caused the clamp bolt (on the Bail Arm) to break. The end of the bolt (10mm X 50mm) fell to the rig floor. Clamp remained coupled to the Bail Arm.
First Aid Case	1	0 Days	Relief derrickman caught hand at monkey board	The relief derrickman was pulling back pipe when he lost his balance and placed his hand in such a position to have it caught between the pipe and the finger latch.
Incident		1 Day	Floorman struck by chain tong	At 03.45 hrs. The drill crew were removing a chain tong from the pipe when it swung down and struck a floorman below the right knee.
PTW issued	11	0 Days		Permit to work issued for the day.
Safety Meeting		5 Days	Weekly Safety Meetings with crews.	Weekly safety meeting held at 1300 Saturday morning and 0045 on Sunday.
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 25 Jul 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P15	P	G8	0000	0430	4.50	2600.0m	Continued RIH with 9.5in BHA from 982m to 2406m filling up every 15 stnds at first and then every 20 stnds as ported float eased requirements for filling up pipe.
P15	U	G23	0430	0500	0.50	2600.0m	Incident in derrick: Derrickman had hand squeezed by DP. Time Out For Safety: Discussed measures to protect personnel and prevent injury.
P15	P	G8	0500	0530	0.50	2600.0m	Continued RIH from 2406m to 2525m.
P15	P	D1	0530	0800	2.50	2604.0m	Washed down from 2525m and tagged top of cement at 2551m. Washed and drilled down cement from 2551m to shoe at 2591m and rathole to 2600m. Drilled 4m of new formation to 2604m.
P15	P	F4	0800	0900	1.00	2604.0m	Circulate bottom up at 2604m pumping at 640gpm and using 60rpm.
P15	P	P1	0900	1000	1.00	2604.0m	Perform FIT to 818psi (14ppg EMW) using 11.95ppg mud. Pumped 3bbl total and 3bbl flowed back after test.
P15	P	D4	1000	1330	3.50	2641.0m	Drilled ahead 9.5in hole from 2604m to 2641m.
P15	TP (RE)	D4	1330	1400	0.50	2641.0m	Relief valved blew due to malfunction of I-BOP. Reset same.
P15	P	D4	1400	2400	10.00	2819.0m	Drilled ahead 9.5in hole from 2641m to 2819mMD (2488mTVD). Took survey on every connection. Xceed tool failed causing well angle to drop +/-1deg per stand drilled.

Operations For Period 0000 Hrs to 0600 Hrs on 26 Jul 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P15	P	D4	0000	0100	1.00	2841.0m	Drilled ahead 9.5in hole from 2819m to 2841m - coring point.
P15	P	F4	0100	0200	1.00	2841.0m	Circulated 1.5 x bottoms up at 750gpm, 180rpm.



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P15	P	D6	0200	0500	3.00	2841.0m	Flowchecked well and POOH backreaming at 60m/h ROP to recapture LWD/MWD missed data over intervals from 2800m - 2790m, 2755m - 2745m and 2725m - 2715m. Continue POOH from 2715m to shoe at 2600m. Flowcheck well.
P15	P	G8	0500	0600	1.00	2841.0m	

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 25 Jul 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Pilot Hole (1)(P15)	31.5	24 Jul 2008	25 Jul 2008	31.50	1.313	2819.0m

General Comments	
00:00 TO 24:00 Hrs ON 25 Jul 2008	
Operational Comments	Adjustments to rotary table elevation based on Fugro calculations; RT above LAT = 41.062m. RT above MSL/AHD 40.362m.
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 operational efficiency. New hydraulic pump on order - delivery mid September. 2) Number 4 main generator down. Exciter and generator sent ashore. 3) CTU control panel has leaking valves, pressure regulator valve inoperable. Parts on order. 4) Link tilt clamps slipping on bails - need to rectify this issue. 5) Bail retaining plates on top drive bent, increasing time to change out bails by 1/2 hour. Require new retaining plates. 6) No spare UpperTop Drive IBOP or parts on board for Upper IBOP. 7) #3 Main Engine down - waiting on parts. 8) Emergency generator fuel tank requires modification to drain line (no communication with tank through drain line).
Operational Comments	Jars Ser No. 14161588: 113hrs
Operational Comments	Observed overheating on rotating head - unsure of source and/or cause of overheating.

SBM Data		Cost Today US\$ 10115							
Mud Type:	ACCOLADE	HTHP-Temp:	120C°	Ex.Lime:		Solids(%vol):	18%	Viscosity	85sec/qt
Oil Type:	ACCOLADE BASE	HTHP:	500psi	Salinity:	360481mg/l	H2O:	25%	YP	36lb/100ft²
Sample-From:	Flowline	HTHP-FL:	2.0cc/30min	Elec.Stab.:	417mV	Oil(%):	53%	PV	42cp
Time:	22:20	HTHP-cake:	2/32nd"			Sand:	.25	O/W Ratio:	68/32
Weight:	12.00sg	CaCl mud:	49.39			LGS:	9%	Gels 10s	15
Temp:	57C°	CaCl WP:				Oil On Cut:	9%	Gels 10m	18
Comment	Initial mud weights while drilling cement 11.4ppg to 13.2ppg, due to barite sag from 10 days no circulating. Bled in 8.7ppg premix and dusted in barite to even mud weight 11.9+ppg for FIT. Added 0.7ppb Tau Mod to active to maintain rheology. Fined up screens to 280 mesh, running 3 shakers only. Centrifuge shut down at 18.00 hours due to cuttings discharge chute blockage. Offlined for 5 hours while unblocking/cleaning.							Fann 003	11
								Fann 006	13
								Fann 100	39
								Fann 200	
								Fann 300	78
								Fann 600	120

Bit # 1			Wear	I	O1	D	L	B	G	O2	R
Bitwear Comments:											
Size ("):	9.50in	IADC#	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	SMITH	WOB(avg)	16.00klb	No.	Size	Progress	215.0m	Cum. Progress		215.0m	
Type:	PDC	RPM(avg)	160	7	16/32nd"	On Bottom Hrs	8.4h	Cum. On Btm Hrs		8.4h	
Serial No.:	JY 2803	F.Rate	750gpm				IADC Drill Hrs	13.5h	Cum IADC Drill Hrs		13.5h
Bit Model	M716PXC	SPP	3100psi				Total Revs		Cum Total Revs		0
Depth In	2600.0m	HSI					ROP(avg)	25.60 m/hr	ROP(avg)		25.60 m/hr
Depth Out		TFA	1.374								



Bit Comment																	
BHA # 1																	
Weight(Wet)	33.00klb	Length	215.0m	Torque(max)	20000ft-lbs	D.C. (1) Ann Velocity	0fpm										
Wt Below Jar(Wet)	12.00klb	String	221.00klb	Torque(Off.Btm)	3000ft-lbs	D.C. (2) Ann Velocity	0fpm										
		Pick-Up	247.00klb	Torque(On.Btm)	12000ft-lbs	H.W.D.P. Ann Velocity	0fpm										
		Slack-Off	208.00klb			D.P. Ann Velocity	0fpm										
BHA Run Description		9.5in PDC bit, PD Xceed 675, Eco scope, Tele scope, NM HWDP, X/O, 3x 5.5" HWDP, X/O, Jar, X/O, 15x 5.5" HWDP.															
BHA Run Comment																	
Equipment		Length	OD	ID	Serial #	Comment											
PDC Bit		0.25m	9.50in		JY2803												
PD Xceed 675		7.66m	6.75in		111												
ECO Scope		8.01m	9.13in		VA 86												
Tele Scope		8.52m	6.88in		EO 330												
NM HWDP		9.19m	6.75in		SBD 3170												
X/O		0.49m	7.00in		11560.3												
HWDP		28.03m	7.06in														
X/O		0.91m	7.00in		11323.1												
Jar		9.73m	6.25in		14161588												
X/O		1.22m	7.00in		7142												
HWDP		140.96m	7.00in														
Survey																	
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type									
2621.57	53.7	182.8	2254.27	-1139.8	-1139.8	-55.7	0.6										
2651.30	53.4	183.6	2271.93	-1163.7	-1163.7	-57.1	0.7										
2681.00	52.5	184.2	2289.83	-1187.3	-1187.3	-58.7	1.0										
2711.02	51.4	184.5	2308.33	-1210.9	-1210.9	-60.5	1.1										
2740.27	50.6	184.5	2326.74	-1233.6	-1233.6	-62.3	0.8										
2770.05	50.0	184.9	2345.76	-1256.4	-1256.4	-64.1	0.7										
2798.55	47.7	183.6	2364.51	-1277.8	-1277.8	-65.7	2.6										
2842.00	47.7	183.6	2393.76	-1309.9	-1309.9	-67.8	0.0										
Bulk Stocks																	
Name				Unit	In	Used	Adjust	Balance									
DRILL WATER				MT	0	0	0	203.0									
Rig Fuel				m3	0	17	0	320.0									
POTABLE WATER				MT	10	28	0	180.0									
Cement Class G				MT	0	0	0	71.0									
Bentonite				MT	0	0	0	45.0									
Barite				MT	0	11	0	193.0									
SOBM				m3	0	0	0	50.0									
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	1.44	97	64	3100	374	2642.0	30	350	176	40	470	234	50	680	293
2	National 14 P-220	6.50	1.44	97	64	3100	374	2642.0	30	320	176	40	450	234	50	610	293
3	National 14 P-220	6.50	1.44	97					20		120	30		176	40		234
Casing																	
OD	LOT / FIT	Csg Shoe (MD/TVD)						Cementing									
30 "	/	128.80m / 128.80m						168bbl class G at 15.9ppg, 200% excess.									

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
16 "	/	750.03m / 750.03m	Lead 516 bbls "G" class at 12.5ppg. Tail 229 bbls "G" class at 15.80 ppg 200bbl class "G" at 15.8ppg, TOC at 1900m
10 3/4"	/	2590.78m / 2337.57m	

Personnel On Board	
Company	Pax
ADA	7
Seadrill	12
Seadrill Services.	37
Catering	8
Halliburton	2
Baker Hughes Inteq	9
Halliburton	2
Tamboritha	3
Q Tech	1
Tasman Oil Tools	2
Reach	1
Baker Atlas	8
Schlumberger	5
ACS Labs	1
Total	98

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Eugene Edwards/Tim Waldhuter			
Available	2988.7bbl	Losses	68.5bbl	Equipment	Description	Mesh Size	Comments
Active	382.0bbl	Downhole		Shaker 1	VSM-300	89	
Mixing		Surf+ Equip	48.0bbl	Shaker 2	VSM-300	280	
Hole	812.7bbl	Dumped		Shaker 3	VSM-300	280	
Slug Reserve	1794.0bbl	De-Gasser De-Sander		Shaker 4	VSM-300	280	
Kill		De-Silter Centrifuge	20.0bbl				
		Evaporation	0.5bbl				

Marine							
Weather on 25 Jul 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	3kn	340.0deg	1010.0mbar	8C°	0.2m	120.0deg	2s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
24.1deg	440.00klb	2736.00klb	1.5m	120.0deg	7s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
				Item	Unit	Used	Quantity
Pacific Battler	14h30		At rig	Rig Fuel	m3		556.8
				Potable Water	Mt		445
				Drill Water	Mt		330
				CEMENT G	Mt		0
				Barite	Mt		84
				Bentonite	Mt		0
				Base Oil	m3		115.3
				Brine	m3		119.2
Brine figure to be confirmed.							
Pacific Valkyrie			At rig	Rig Fuel	m3		194.9
				Potable Water	Mt		320
				Drill Water	m3		718
				CEMENT G	Mt		0
				Barite	Mt		105



				Item	Unit	Used	Quantity
				Bentonite	Mt		34.8
				SOBM	m3		5
				Base Oil	m3		0
				Brine	m3		50
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