



DRILLING MORNING REPORT # 4
Longtom-4 H

04 Aug 2008

From: B Openshaw/R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	3259.0m	Cur. Hole Size	9.500in	AFE Cost	AUD\$81,987,600
Field	Longtom	TVDBRT	2632.9m	Last Casing OD	10.750in	AFE No.	LSRDV01/6
Drill Co.	Seadrill	Progress	253.0m	Shoe TVDBRT	2337.6m	Daily Cost	AUD\$692,100
Rig	West Triton	Days from spud	44.94	Shoe MDBRT	2590.8m	Cum Cost	AUD\$47,339,600
Wtr Dpth (MSL)	55.968m	Days on well	4.00	FIT/LOT:	1.68sg /		
RT-ASL (MSL)	41.100m	Planned TD MD	5822.000m	Current Op @ 0600	Drilling ahead as per DD requirements at 3400m		
RT-ML	97.068m	Planned TD TVDRT	2702.000m	Planned Op	Drill ahead as per DD requirements to intersect the "100" sands.		

Summary of Period 0000 to 2400 Hrs
Drilling ahead as per DD requirements from 3006m to 3259m (2632.9mTVD). A hydraulic hose was repaired on the TDS and 0.5hrs was spent recycling the pumps to reactivate the MWD tools.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		8 Days	Held at 10.30 hours.	Rig alarms activated. Fire and Abandon drill conducted.	
BOP Test		13 Days	Pressure test on nipple up.	14 Days - 6th August 21 Days - 13th August	
Drills	1	1 Day	Spill Drill.	Spill drill conducted by QTEC and Tasman Oil Tools.	
Dropped Object		22 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	When the link Tilt was retracted, the uneven piston movement caused the clamp bolt (on the Bail Arm) to break.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		10 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		8 Days	Environmental spill.	Overflow at upper transverse trough due to blocked flow line. Approximately 65 ltrs.	
PTW issued	7	0 Days		Permit to work issued for the day.	
Safety Meeting		3 Days	Weekly Safety Meetings with crews.	Weekly safety meeting held at 1300hrs Saturday and 0045hrs on Sunday .	
STOP Card	33	0 Days		Stop cards submitted for the day.	
Time Out For Safety		2 Days			

Operations For Period 0000 Hrs to 2400 Hrs on 04 Aug 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D4	0000	0500	5.00	3081.0m	Drilled ahead 9.5in controlled drilling as per DD requirements from 3006m to 3081m.
P12	TP (RE)	G11	0500	0530	0.50	3081.0m	Repaired hydraulic leak on TDS.
P12	P	D4	0530	2330	18.00	3259.0m	Drilled ahead 9.5in controlled drilling as per DD requirements from 3081m to 3259m. Drilling parameters: 150RPM, 10klbs WOB, 125stks, 730gpm, 2900psi.
P12	TP (TP)	G11	2330	2400	0.50	3259.0m	Cycled pumps and moved pipe to restart MWD tools as per DD instructions.

Operations For Period 0000 Hrs to 0600 Hrs on 05 Aug 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P12	P	D4	0000	0600	6.00	3400.0m	Drill ahead 9.5in hole as per DD requirements from 3259m to 3400m.

Phase Data to 2400hrs, 04 Aug 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Production Hole (2)(P12)	96	01 Aug 2008	04 Aug 2008	96.00	4.000	3259.0m	

General Comments
00:00 TO 24:00 Hrs ON 04 Aug 2008
Operational Comments Adjustments to rotary table elevation based on Fugro calculations;

General Comments	
	RT above LAT = 41.062m. RT above MSL/AHD 40.362m.
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 operational efficiency. New hydraulic pump on order?</p> <p>3) CTU control panel has leaking valves, pressure regulator valve inoperable. Parts on order.</p> <p>4) Link tilt clamps slipping on bails - need to rectify this issue.</p> <p>5) Bail retaining plates on top drive bent, increasing time to change out bails by 1/2 hour. Require new retaining plates.</p> <p>6) No spare UpperTop Drive IBOP or parts on board for Upper IBOP.</p> <p>7.1) Only main engines 1, 2 & 3 available for power generation. Engine 5 awaiting new injectors. Problems relating to engines may be caused by fuel contaminated with water.</p> <p>7.2) Excessive blow-by observed through oil filler cap when it is removed (all 3 engines).</p> <p>7.3) Number 4 main generator down. Exciter and generator sent ashore.</p> <p>8) Emergency generator fuel tank requires modification to drain line (no communication with tank through drain line).</p> <p>9) Pumping pressure read-out at Cyber chair display not accurate. At 2800psi pump pressure, cyber display reads 3600psi.</p> <p>10) Remote controller for Iron Roughneck not operational.</p> <p>11) Automatic drill pipe elevators not working.</p> <p>12) Auto IBOP on TDS is sticky and does not operate smoothly - linkages distorted?? Drillers are not currently closing the IBOP while making connections as it is very difficult to re-open,</p>
Operational Comments	Hours on jar ser. No 1416-1515: 53hrs
Operational Comments	<p>MWD tools not providing reliable directional readings after 2941m. Using Xceed to provide necessary data.</p> <p>MWD tool requiring frequent recycling of pumps after a connection to obtain communication response from tool.</p>

SBM Data		Cost Today AUD\$ 14794							
Mud Type:	ACCOLADE	HTHP-Temp:	120C°	Ex.Lime:		Solids(%vol):	21%	Viscosity	85sec/qt
Oil Type:	ACCOLADE BASE	HTHP:	500psi	Salinity:	271562mg/l	H2O:	21%	YP	48lb/100ft²
Sample-From:	Flowline	HTHP-FL:	3.0cc/30min	Elec.Stab.:	785mV	Oil(%):	56%	PV	27cp
Time:	21:40	HTHP-cake:	2/32nd"			Sand:	0.5	O/W Ratio:	72/28
Weight:	12.10sg	CaCl mud:	27.44			LGS:	11%	Gels 10s	14
Temp:	64C°	CaCl WP:				Oil On Cut:	9%	Gels 10m	25
Comment	Added 0.3ppb Tau Mod to active to further increase rheology. Checked shaker screens regularly for damage and replaced screens as necessary (5x280 mesh new screens used). Weighted premix to 12.0ppg with Barite to allow addition without reduction in mud weight. Run centrifuges in Barite recovery mode to reduce LGS. Seepage losses of up to 10bbl/hr in Admiral 50 sand, added sized Calcium Carbonate to active to minimize losses with good results.							Fann 003	11
								Fann 006	13
								Fann 100	38
								Fann 200	
								Fann 300	75
								Fann 600	123

Bit # 10				Wear	I	O1	D	L	B	G	O2	R
				Bitwear Comments:								
Size ("):	9.50in	IADC#	M322	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run			
Mfr:	REED	WOB(avg)	8.00klb	No.	Size	Progress	253.0m	Cum. Progress	563.0m			
Type:	PDC	RPM(avg)	150	6	16/32nd"	On Bottom Hrs	13.9h	Cum. On Btm Hrs	44.5h			
Serial No.:	218795	F.Rate	730gpm			IADC Drill Hrs	23.0h	Cum IADC Drill Hrs	60.0h			
Bit Model	RSR616M-B3	SPP	2900psi			Total Revs		Cum Total Revs	0			
Depth In	2690.0m	HSI				ROP(avg)	18.20 m/hr	ROP(avg)	12.65 m/hr			
Depth Out		TFA	1.178									
Bit Comment												



BHA # 12							
Weight(Wet)	30.00klb	Length	215.0m	Torque(max)	13000ft-lbs	D.C. (1) Ann Velocity	417fpm
Wt Below Jar(Wet)	14.00klb	String	218.00klb	Torque(Off.Btm)	8000ft-lbs	D.C. (2) Ann Velocity	386fpm
		Pick-Up	270.00klb	Torque(On.Btm)	10000ft-lbs	H.W.D.P. Ann Velocity	298fpm
		Slack-Off	211.00klb			D.P. Ann Velocity	298fpm

BHA Run Description 9.5in PDC bit, PD Xceed 675, Eco scope, Tele scope, NM HWDP, X/O, 6x 5.5" HWDP, X/O, Jar, X/O, 12x 5.5" HWDP.

BHA Run Comment						
Equipment	Length	OD	ID	Serial #	Comment	
PDC Bit	0.22m	9.50in		218795		
PD Xceed 675	7.66m	6.75in		241		
ECO Scope	8.05m	9.13in		963		
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	56.23m	7.06in				
X/O	1.22m	7.00in		SSD7142		
Jar	9.62m	6.25in		1416-1515		
X/O	0.91m	7.00in		508A67		
HWDP	112.76m	7.00in				

Survey								
MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N-S (m)	E-W (m)	DLS (deg/30m)	Tool Type
3076.34	72.8	185.3	0.00	0.0	0.0	0.0	0.0	
3106.22	72.9	185.5	2539.55	-1446.4	-1446.4	-113.2	1.1	
3136.04	76.0	186.2	2548.36	-1474.8	-1474.8	-115.8	0.2	
3164.24	80.1	185.2	2556.35	-1503.4	-1503.4	-118.8	3.2	
3194.93	79.5	186.0	2562.19	-1530.9	-1530.9	-121.5	4.5	
3224.35	81.5	184.3	2567.62	-1560.9	-1560.9	-124.5	1.0	
3254.13	84.4	184.1	2572.48	-1589.8	-1589.8	-127.1	2.7	
3283.78	87.2	184.1	2576.14	-1619.3	-1619.3	-129.2	2.9	
3283.78	87.2	180.5	2578.31	-1648.8	-1648.8	-130.4	4.6	
3313.51	90.4	179.5	2578.93	-1678.5	-1678.5	-130.4	3.4	
3343.47	93.1	182.4	2578.01	-1708.5	-1708.5	-130.9	4.0	

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Drill Water	MT	0	36	0	138.0	
Rig Fuel	m3	0	17	0	206.0	
POTABLE WATER	MT	0	28	0	288.0	
Cement class 'G'	MT	0	0	0	52.0	
Bentonite	MT	0	0	0	45.0	
Barite	MT	0	17	2	139.0	
SOBM	m3	0	2	0	119.0	
Brine	m3	0	0	0	192.0	

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)	Flow1 (gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.44	97	62	2900	363	3228.0	30	400	176	40	450	234	50	550	293
2	National 14 P-220	6.50	1.44	97	62	2900	363	3228.0	30	300	176	40	450	234	50	600	293
3	National 14 P-220	6.50	1.44	97					30		176	40		234	50		293

Casing			
OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	128.80m / 128.80m	168bbl class G at 15.9ppg, 200% excess.
16 "	/	750.03m / 750.03m	Lead 516 bbls "G" class at 12.5ppg. Tail 229 bbls "G" class at 15.80 ppg
10 3/4"	/ 1.68sg	2590.78m / 2337.57m	200bbl class "G" at 15.8ppg, TOC at 1900m

Personnel On Board	
Company	Pax
ADA	7
Seadrill	13
Seadrill Services.	38
Catering	9
Halliburton	2
Baker Hughes Inteq	7
Halliburton	2
Tamboritha	3
Q Tech	1
Tasman Oil Tools	2
Reach	1
Schlumberger	6
K&M	1
Total	92

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	Losses	Equipment	Description	Mesh Size	Comments		
2422.6bbl	145.0bbl	Shaker 1	VSM-300	255			
410.0bbl	44.0bbl	Shaker 1	VSM-300	255			
	81.0bbl	Shaker 2	VSM-300	280			
840.6bbl		Shaker 2	VSM-300	280			
		Shaker 3	VSM-300	280			
1172.0bbl		Shaker 3	VSM-300	280			
		Shaker 4	VSM-300	280			
		Shaker 4	VSM-300	280			
		Shaker 4	VSM-300	280			
		Shaker 4	VSM-300	280			

Marine							
Weather on 04 Aug 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	130.0deg	1016.0mbar	12C°	0.1m	120.0deg	2s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
24.1deg	440.00klb	2780.00klb	0.6m	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			En route to rig	Rig Fuel	m3		492
				Potable Water	Mt		445
				Drill Water	Mt		150
				CEMENT G	Mt		0
				Barite	Mt		84
				Bentonite	Mt		0
				Base Oil	m3		0
				Brine	m3		118
Pacific Valkyrie			At rig	Rig Fuel	m3		570.4
				Potable Water	Mt		278
				Drill Water	m3		718
				CEMENT G	Mt		0
				Barite	Mt		105
				Bentonite	Mt		34.8



				Item	Unit	Used	Quantity
				SOBM	m3		79
				Base Oil	m3		0
				Brine	m3		0