



DRILLING MORNING REPORT # 4
Longtom-4 P

27 Jul 2008

From: B Openshaw/ R Rossouw
To: R Oliver

Well Data							
Country	Australia	MDBRT	2896.0m	Cur. Hole Size	9.500in	AFE Cost	US\$81,987,600
Field	Longtom	TVDBRT	2543.1m	Last Casing OD	10.750in	AFE No.	LSRDV01/6
Drill Co.	Seadrill	Progress	55.0m	Shoe TVDBRT	2337.6m	Daily Cost	US\$732,700
Rig	West Triton	Days from spud	36.94	Shoe MDBRT	2590.8m	Cum Cost	US\$40,737,100
Wtr Dpth (MSL)	56.000m	Days on well	3.31	FIT/LOT:	1.68sg /		
RT-ASL (MSL)	41.100m	Planned TD MD	5822.0m	Current Op @ 0600	RIH at 2637m.		
RT-ML	97.100m	Planned TD TVDRT	2702.0m	Planned Op	Ream over sections to recapture missing MWD/LWD data, ream cored section and drill ahead 9.5in hole to TD of pilot hole.		

Summary of Period 0000 to 2400 Hrs
RIH with core barrel from 2369m to 2812m. Washed down to 2841m, dropped ball, took SCR's and cut 8.5in core from 2841m to 2896m. POOH with core barrel, recovered core (99%) and laid out core and outer barrel. Made up new 9.5in BHA and RIH to 143m.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill	1	0 Days	Held at 10.30 hours.	Rig alarms activated. Fire and Abandon drill conducted.	
Drills	1	0 Days	Spill Drill - real time	Reaction to the overflow at the upper transverse trough.	
Dropped Object		14 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	When the link Tilt was retracted, the uneven piston movement caused the clamp bolt (on the Bail Arm) to break.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		2 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	0 Days	Environmental spill	overflow at upper transverse trough due to blocked flow line. Approximately 65 ltrs .	
PTW issued	13	0 Days		Permit to work issued for the day.	
Safety Meeting		1 Day	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.	

Operations For Period 0000 Hrs to 2400 Hrs on 27 Jul 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P15	P	G8	0000	0130	1.50	2841.0m	Continued RIH with core barrel from 2369m to 2812m.
P15	P	D6	0130	0200	0.50	2841.0m	Washed down using 300gpm from 2812m and tagged bottom at 2841m.
P15	P	E7	0200	0230	0.50	2841.0m	Dropped ball - pressure increased from 400psi to 750psi. Took SCR's.
P15	P	E7	0230	0630	4.00	2841.0m	Cut 8.5in core #1 from 2841m to 2896m making a connection for a new stand at 2869m. Cored at 60 - 70rpm, 230gpm, 1100psi and 7klbs WOB. ROP 5 - 20m/hr. Broke core with 25klbs o/pull.
P15	P	G8	0630	1200	5.50	2896.0m	POOH core barrel from 2896m to shoe at 2591m, flowchecked, pumped slug and continued POOH to 2308m - pipe pulling wet. Dropped ball to open circulating sub and continue POOH to 651m.
P15	P	G8	1200	1430	2.50	2896.0m	Held PJSM with new crew and continued to POOH from 651m to 150m at controlled rate of 5min/stdn.
P15	P	G8	1430	1500	0.50	2896.0m	Continued POOH from 150m to 67m at controlled rate of 10min/stdn.
P15	P	E7	1500	2000	5.00	2896.0m	Held PJSM, broke out top sub, checked for gas, recovered inner barrel and laid down core, 99% recovery. Laid down outer barrel.
P15	P	G11	2000	2100	1.00	2896.0m	Rig service - removed cooling blower for TDS hydraulics due to failure of fan blades.
P15	P	G6	2100	2300	2.00	2896.0m	Picked up new 9.5in bit and BHA consisting of MWD/LWD tools and RIH to 27m.
P15	P	G7	2300	2400	1.00	2896.0m	Held PJSM, loaded RA source into tools and continued to RIH to 143m.

Operations For Period 0000 Hrs to 0600 Hrs on 28 Jul 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P15	P	G8	0000	0030	0.50	2896.0m	Continued RIH BHA from 143m to 209m.
P15	P	P2	0030	0100	0.50	2896.0m	Made up 1 stdn DP and performed shallow MWD/LWD test at 650gpm.
P15	P	G8	0100	0600	5.00	2896.0m	Installed diverter insert and continued RIH from 209m to 2637m filling string every



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
						20stnds.	

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 27 Jul 2008							
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth	
Pilot Hole (1)(P15)	79.5	24 Jul 2008	27 Jul 2008	79.50	3.313	2896.0m	

General Comments

00:00 TO 24:00 Hrs ON 27 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. 8) Emergency generator fuel tank requires modification to drain line (no communication with tank through drain line).
Operational Comments	Jars Ser No. 14161588: 118hrs

SBM Data Cost Today US\$ 10061

Mud Type: ACCOLADE	HTHP-Temp: 120C°	Ex.Lime:	Solids(%vol): 20%	Viscosity YP: 128sec/qt
Oil Type: ACCOLADE BASE	HTHP: 500psi	Salinity: 272796mg/l	H2O: 24%	20lb/100ft²
Sample-From: Pit 6	HTHP-FL: 4.0cc/30min	Elec.Stab.: 328mV	Oil(%): 54%	PV: 45cp
Time: 23:00	HTHP-cake: 2/32nd"		Sand: .25	O/W Ratio: 69/31
Weight: 12.15sg	CaCl mud: 31.56		LGS: 9%	Gels 10s: 12
Temp:	CaCl WP:		Oil On Cut:	Gels 10m: 15
Comment	Checked and replaced damaged screens. New screens used 4x280 mesh. Discarded 2x280 mesh screens. Dressed shaker #1 with 255 mesh screens for drilling next interval. Intended to run centrifuge while coring in Barite recovery mode to reduce LGS, overboard discharge line blocked after 20 minutes operation resulting in insufficient operation to reduce LGS. Added to active 0.1ppb Rheomod-L to maintain rheology and 0.2ppb LE Supermul to improve ES.			Fann 003: 8
				Fann 006: 11
				Fann 100: 34
				Fann 200: 65
				Fann 300: 110
				Fann 600: 110

Bit # 9			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)	No.	Size	Progress			Cum. Progress		0.0m	
Type:	PDC	RPM(avg)	7	16/32nd"	On Bottom Hrs			Cum. On Btm Hrs		0.0h	
Serial No.:	JY2802	F.Rate			IADC Drill Hrs			Cum IADC Drill Hrs		0.0h	
Bit Model	M716PXC	SPP			Total Revs			Cum Total Revs		0	
Depth In	2896.0m	HSI			ROP(avg)			N/A		0.00 m/hr	
Depth Out		TFA	1.374								
Bit Comment											



Bit # 8	Wear	I	O1	D	L	B	G	O2	R
		1	1	WT	A	X	I	NO	TD
Bitwear Comments:									
Size ("):	8.50in	IADC#	Nozzles		Drilled over last 24 hrs		Calculated over Bit Run		
Mfr:	BHI (Hughes Christensen)	WOB(avg)	7.00klb	No.	Size	Progress	55.0m	Cum. Progress	55.0m
Type:	ch	RPM(avg)	70			On Bottom Hrs	3.6h	Cum. On Btm Hrs	3.6h
Serial No.:	7212164	F.Rate	230gpm			IADC Drill Hrs	4.0h	Cum IADC Drill Hrs	4.0h
Bit Model	BHC 406	SPP	1100psi			Total Revs		Cum Total Revs	0
Depth In	2841.0m	HSI				ROP(avg)	15.28 m/hr	ROP(avg)	15.28 m/hr
Depth Out	2896.0m	TFA	0.000						
Bit Comment: Coring run.									

BHA # 11									
Weight(Wet)	29.00klb	Length	209.0m	Torque(max)		D.C. (1) Ann Velocity		0fpm	
Wt Below Jar(Wet)	7.00klb	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: 9.5" PDC bit, bit sub, x/o, Ecoscope, Telescope, NMHWDP, 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			JY2802				
Bit Sub		1.22m	6.50in						
X/O		0.46m	6.50in						
ECO Scope		8.04m	6.75in		763				
Tele Scope		8.52m	6.88in		EO330				
NM HWDP		9.19m	6.75in		SBD 3170				
X/O		0.49m	7.00in						
HWDP		28.03m	7.06in		5120301/36/34				
X/O		0.91m	7.00in						
Jar		9.73m	6.25in		14161588				
X/O		1.22m	7.00in						
HWDP		140.96m	7.00in						

BHA # 10									
Weight(Wet)	44.00klb	Length	306.3m	Torque(max)		10000ft-lbs	D.C. (1) Ann Velocity		211fpm
Wt Below Jar(Wet)	30.00klb	String	235.00klb	Torque(Off.Btm)		4000ft-lbs	D.C. (2) Ann Velocity		0fpm
		Pick-Up	260.00klb	Torque(On.Btm)		8000ft-lbs	H.W.D.P. Ann Velocity		134fpm
		Slack-Off	208.00klb				D.P. Ann Velocity		134fpm

BHA Run Description: 8.5" Coring bit, 7x Coring Tubes and 8x Stabilizers, Top sub, Float Sub, Circ Sub, 6x 6.5" DC's, 6x HWDP, Jar, 12x HWDP

BHA Run Comment									
Equipment		Length	OD	ID	Serial #	Comment			
Core Bit		0.43m	8.50in		7212164				
Core Barrel		68.46m	6.75in						
Drill Collar		56.06m	6.50in						
HWDP		56.36m	5.50in						
Jar		9.73m	6.50in		14161588				
HWDP		112.63m	5.50in						

Bulk Stocks						
Name		Unit	In	Used	Adjust	Balance
Drill Water		MT	0	10	0	188.0
Rig Fuel		m3	0	17	0	298.0
POTABLE WATER		MT	12	29	0	255.0

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Cement class \G\	MT	0	3	0	68.0	
Bentonite	MT	0	0	0	45.0	
Barite	MT	0	2	0	186.0	
SOBM	m3	0	2	0	48.0	

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	39	1100	230	2642.0	30	350	176	40	470	234	50	680	293
2	National 14 P-220	6.50	1.44	97				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.
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	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	Losses	Equipment	Description	Mesh Size	Comments		
2995.5bbl	0.0bbl	Shaker 1	VSM-300	255			
Active 346.0bbl	Downhole	Shaker 2	VSM-300	280			
Mixing	Surf+ Equip 0.0bbl	Shaker 3	VSM-300	280			
Hole 955.5bbl	Dumped	Shaker 4	VSM-300	280			
Slug Reserve 1694.0bbl	De-Gasser						
Kill	De-Sander						
	De-Silting Centrifuge						

Marine



Weather on 27 Jul 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	18kn	140.0deg	1005.0mbar	8C°	1.6m	150.0deg	5s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
24.1deg	440.00klb	2739.00klb	2.7m	150.0deg	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		549.3
				Potable Water	Mt		435
				Drill Water	Mt		330
				CEMENT G	Mt		0
				Barite	Mt		84
				Bentonite	Mt		0
				Base Oil	m3		115.3
				Brine	m3		119.2
Pacific Valkyrie		07h30	En route to Geelong	Item	Unit	Used	Quantity
				Rig Fuel	m3		162.1
				Potable Water	Mt		211
				Drill Water	m3		718
				CEMENT G	Mt		0
				Barite	Mt		105
				Bentonite	Mt		34.8
				SOBM	m3		5
				Base Oil	m3		0
Brine	m3		0				