



**DRILLING MORNING REPORT # 20
Longtom-4 H**

20 Aug 2008

From: S De Frietas/S Schmidt.
To: R Oliver

Well Data							
Country	Australia	MDBRT	4648.0m	Cur. Hole Size	9.500in	AFE Cost	AUD\$81,987,600
Field	Longtom	TVDBRT	2695.9m	Last Casing OD	7.000in	AFE No.	LSRDV01/6
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	2590.8m	Daily Cost	AUD\$712,900
Rig	West Triton	Days from spud	60.94	Shoe MDBRT	4647.0m	Cum Cost	AUD\$59,630,100
Wtr Dpth (MSL)	55.968m	Days on well	20.00	FIT/LOT:	1.68sg /		
RT-ASL (MSL)	41.100m	Planned TD MD	5822.000m	Current Op @ 0600	POOH with 6in bit.		
RT-ML	97.068m	Planned TD TVDRT	2702.000m	Planned Op	POOH with 6in bit. RIH and drill out remaining cement retainer, continue RIH to +/- 4520m. Displace well to brine.		

Summary of Period 0000 to 2400 Hrs
 POOH, broke out bit and racked back BHA. Made up 6in Smith bit XR+ PS and RIH to 2535m. Slipped and cut drilling line. Continued RIH to 2641m tagged TOC with 10klbs down weight. Drilled out cement to 2668m. Drilled out cement retainer from 2668m - 2668.5m.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		3 Days	Held at 10:30 hours.	Rig alarms activated. Fire and Abandon drill conducted.	
BOP Test		6 Days	Pressure tested BOPs.	14 Days - 18th August 21 Days - 04th Sept	
Incident		1 Day	Caught fingers between single joint elevators and drill pipe.	Roustabout caught fingers between single joint elevators and drill pipe while removing the pick up elevators from the drill pipe laying on catwalk. The air winch operator on the rig floor picked up on air winch while man was removing pick up elevators from drill pipe. Man went to medic for check up and then returned to work.	
Medical Treatment Case		1 Day	Twisted ankle.	IP was descending stairs from Derrick when he stepped on to a boot wash tray and twisted his ankle. Went to medic where R.I.C.E was applied. IP will be sent to town for medical review.	
PTW issued	9	0 Days		Permit to work issued for the day.	
Safety Meeting		4 Days	Weekly Safety Meetings with crews.	Weekly safety meeting held at 13:00hrs Saturday and 00:45hrs on Sunday .	
STOP Card	18	0 Days		Stop cards submitted for the day.	

Operations For Period 0000 Hrs to 2400 Hrs on 20 Aug 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P19	TP (DH)	G8	0000	0130	1.50	4648.0m	POOH to BHA laying out 5.5in drill pipe. Total of 102 joints laid out.
P19	TP (DH)	G2	0130	0200	0.50	4648.0m	Racked back BHA and broke off bit.
P19	TP (DH)	G2	0200	0330	1.50	4648.0m	Picked up and made up 6in Smith bit XR + PS and motor and 2 x 4.75in NMDC.
P19	TP (DH)	G8	0330	0800	4.50	4648.0m	RIH with BHA and 3.5in drill pipe to 2034m.
P19	TP (DH)	G8	0800	0900	1.00	4648.0m	Changed out to 5.5in elevators and RIH with 5.5in drill pipe to 2535m.
P19	TP (DH)	F7	0900	0930	0.50	4648.0m	Cleared rig floor and cleaned SBM from same.
P19	TP (DH)	G11	0930	1300	3.50	4648.0m	Slipped and cut drilling line. Calibrated travelling block.
P19	TP (DH)	G8	1300	1400	1.00	4648.0m	RIH and tagged TOC at 2641m with 10klbs down weight.
P19	TP (DH)	D1	1400	1600	2.00	4648.0m	Drilled cement from 2641m - 2668m (with 300gpm, 3400psi, 50rpm and 3klbs WOB)
P19	TP (DH)	D8	1600	2400	8.00	4648.0m	Drilled cement retainer from 2668m - 2668.5m using various parrameters: 150-300gpm, 2200 - 3800 psi, 15 - 50 rpm, 3- 5k WOB.

Operations For Period 0000 Hrs to 0600 Hrs on 21 Aug 2008



Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P19	TP (DH)	D1	0000	0330	3.50	4648.0m	Drilled cement retainer from 2668.5m - 2668.6m using various parrameters: 150 gpm, 2200 psi, 15 rpm, 3- 5k WOB. No significant progress from 01:00hrs - 03:30hrs. 18in of cement retainer drilled, estimated 12in left to be drilled.
P19	TP (DH)	G8	0330	0600	2.50	4648.0m	POOH to inspect 6in bit.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 20 Aug 2008						
Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Production Hole (2)(P12)	260.5	01 Aug 2008	11 Aug 2008	260.50	10.854	4648.0m
Liner (1)(P19)	219.5	11 Aug 2008	20 Aug 2008	480.00	20.000	4648.0m

SBM Data		Cost Today AUD\$ 10859	
Mud Type: ACCOLADE	HTHP-Temp: 120C°	Ex.Lime:	Solids(%vol): 16%
Oil Type: ACCOLADE BASE	HTHP: 500psi	Salinity: 226952mg/l	H2O: 28%
Sample-From: Flowline	HTHP-FL: 6.0cc/30min	Elec.Stab.: 218mV	Oil(%): 54%
Time: 20:30	HTHP-cake: 2/32nd"		Sand:
Weight: 12.00sg	CaCl mud: 28.81		LGS: 2%
Temp: 33C°	CaCl WP:		Oil On Cut:
Comment	Backloaded onto Battler, 125bbl of slops (waste mud) into port tank #1 and 200bbl of 12.0ppg good Accolade SBM into stbd tank #1. Topped up 11.3ppg Brine volume in pits #3 and #7 and cut back with water to have 450bbl in pit #7 and 475bbl in pit #3. Added 1 drum Radiagreen EME into pit #8 to maintain 1.5% v/v concentration. Also added 50bbl of 11.0ppg brine and 110 gal of Baraklean into pit #4 to increase volume required for displacement. Added LE Supermul, Tau Mod and Calcium Chloride to active while drilling cement retainer to maintain properties. Backloaded surplus SBM chemicals to Valkyrie.		

Bit # 12				Wear	I	O1	D	L	B	G	O2	R	
Bitwear Comments:													
Size ("):	6.00in	IADC#	115	Nozzles		Drilled over last 24 hrs			Calculated over Bit Run				
Mfr:	Smith Bits	WOB(avg)	3.00klb	No.	Size	Progress			Cum. Progress		0.0m		
Type:	mt	RPM(avg)	40	3	20/32nd"	On Bottom Hrs			Cum. On Btm Hrs		0.0h		
Serial No.:	PG 1753	F.Rate	200gpm				IADC Drill Hrs			Cum IADC Drill Hrs		0.0h	
Bit Model	XR+ PS	SPP	2000psi				Total Revs			Cum Total Revs		0	
Depth In	4648.0m	HSI					ROP(avg)			N/A		ROP(avg) 0.00 m/hr	
Depth Out		TFA	0.920										
Bit Comment													

BHA # 16					
Weight(Wet)	Length	Torque(max)	D.C. (1) Ann Velocity 365fpm		
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 206fpm		
BHA Run Description					
BHA Run Comment					
Equipment	Length	OD	ID	Serial #	Comment
Bit	0.19m			PG1753	
Motor	7.12m	4.75in	2.00in	63	
NMDC	18.92m	4.75in	2.25in		
3 1/2" DP	2006.59m	4.75in	2.63in		
X/O	1.22m	4.75in	2.25in	SSD7159	



Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Drill Water	MT	0	0	0	275.0	
Rig Fuel	m3	0	1	0	284.0	
POTABLE WATER	MT	12	31	0	323.0	
Cement class \G\	MT	0	0	0	42.0	
Bentonite	MT	0	0	0	45.0	
Barite	MT	0	0	0	73.0	
SOBM	m3	0	0	0	2.0	
Brine	m3	0	34	0	160.0	
BLENDED CEMENT	MT	0	0	0	43.0	

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				4558.0	20	400	117	30	550	176	40	720	234
2	National 14 P-220	6.50	1.44	97				4558.0	20	400	117	30	550	176	40	700	234
3	National 14 P-220	6.50	1.44	97				4558.0	20	380	117	30	525	176	40	700	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
7 "	/	4647.00m / 2699.37m	Mixed and pumped 138 bbls "HBT" grade cement slurry at 15.0 ppg through perforations at 4560m - 4558m. Theoretical top of cement in 7in liner at 4520m Second cement job "HBT" grade cement slurry at 15.0 ppg through perforations at 2675m - 2673.5m. Theoretical top of cement in 7in liner/10.75in casing at 2569m Theoretical bottom of cement in 7in liner/9.5in hole at 2675m

Personnel On Board	
Company	Pax
ADA	6
Seadrill	12
Seadrill Services.	36
Catering	9
Halliburton	2
Baker Hughes Inteq	2
Halliburton	1
Tamboritha	3
Q Tech	1
Tasman Oil Tools	4
Reach	1
Baker Atlas	6
Expro Group	2
Scottech	2
Schlumberger DD	1
Total	88

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Gerald Lange/Tim Waldhuter			
Available	1330.7bbl	Losses	0.0bbl	Equipment	Description	Mesh Size	Comments
Active	203.5bbl	Downhole		Shaker 1	VSM-300	280	
Mixing		Surf+ Equip	0.0bbl	Shaker 2	VSM-300	280	
Hole	1055.1bbl	Dumped		Shaker 3	VSM-300	280	
Slug Reserve	72.1bbl	De-Gasser De-Sander		Shaker 4	VSM-300	280	
Kill		De-Silter Centrifuge					

Marine

Weather on 20 Aug 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	15kn	270.0deg	1018.0mbar	12C°	1.0m	180.0deg	4s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
24.1deg	440.00klb	2821.00klb	1.0m	180.0deg	6s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler		17.00	On route to Geelong ETA 14.00 21-08-08	Item	Unit	Used	Quantity
				Rig Fuel	m3		182.4
				Potable Water	Mt		360
				Drill Water	Mt		190
				CEMENT G	Mt		0
				Barite	Mt		42
				Bentonite	Mt		0
				SOBM	m3		32
				Brine	m3		75
				SBM onboard. SBM Dirty = 75m3 SBM Slops = 20m3			
Pacific Valkyrie	13.00, 20-08-08		On Location	Item	Unit	Used	Quantity
				Rig Fuel	m3		535.676
				Potable Water	Mt		455
				Drill Water	m3		448
				CEMENT G	Mt		0
				Barite	Mt		70
				Bentonite	Mt		34.8
				SOBM	m3		106
				Base Oil	m3		118
				Brine	m3		114.2

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1001 / 1018	9 / 12	