

07 Aug 2008 From: B Openshaw/R Rossouw

To: R Oliver

DRILLING MORNING REPORT # 7 Longtom-4 H

Well Data							
Country	Australia	MDBRT	3791.0m	Cur. Hole Size	9.500in	AFE Cost	US\$81,987,600
Field	Longtom	TVDBRT	2626.8m	Last Casing OD	10.750in	AFE No.	LSRDV01/6
Drill Co.	Seadrill	Progress	214.0m	Shoe TVDBRT	2337.6m	Daily Cost	US\$650,000
Rig	West Triton	Days from spud	47.94	Shoe MDBRT	2590.8m	Cum Cost	US\$4,550,000
Wtr Dpth(MSL)	55.968m	Days on well	7.00	FIT/LOT:	1.68sg /		
RT-ASL(MSL)	41.1m	Planned TD MD	5822.0m	Current Op @ 0600	Drilling ah	ead as per DD i	equirements at 3915m
RT-ML	97.1m	Planned TD TVDRT	2702.0m	Planned Op	Drill ahead	d as per DD req	uirements.

Summary of Period 0000 to 2400 Hrs

Changed out saver sub on TDS and continued RIH from 2577m to 3129m - hole tight. Worked tight spots and washed and reamed from 3129m to 3289m. Continued RIH from 3289m to 3555m. Washed and reamed to 3577m and drilled ahead as per DD from 3577m to 3791m (2626.8mTVD).

HSE Summary				
Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		11 Days	Held at10.30 hours.	Rig alarms activated. Fire and Abandon drill conducted.
BOP Test		16 Days	Pressure test on nipple up	14 Days - 5th August 21 Days - 12th August
Drills	1	4 Days	Spill Drill	Spill drill conducted by QTEC and Tasman Oil Tools
Dropped Object		25 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	When the link Tilt was retracted, the uneven piston movement caused the clamp bolt (on the Bail Arm) to break.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	Mud technician cut hand on glass retort.	While trying to push paper towels down a retort tube to dry it, the mud technician used too much force which broke the retort causing his hand to slip down onto the retort thus cutting his hand. He received 3 stitches from the medic and is back at wotk.
Incident		0 Days	Environmental spill	Overflow at mud shaker at start-up of drilling caused 3bbl mud to be lost overboard.
PTW issued	7	0 Days		Permit to work issued for the day.
Safety Meeting		6 Days	Weekly Safety Meetings with crews.	Weekly safety meeting held at 1300 Saturday and 0045 on Sunday .
STOP Card	19	0 Days		Stop cards submitted for the day.
ToolBox Talk	7	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 07 Aug 2008

Opera	1110113	OI FE	nou ou	ווו טטל	3 10 24	00 1113 01	107 Aug 2006
Phse	CIs (RC)	Op	From	То	Hrs	Depth	Activity Description
P12	TP (RE)	G11	0000	0100	1.00	3577.0m	Continued with changing out saver sub and grabber dies on TDS.
P12	TP (DH)	G8	0100	0230	1.50	3577.0m	Continued RIH from 2577m to 3129m. Hole tight.
P12	TP (DH)	F1	0230	0700	4.50	3577.0m	Worked pipe through tight spots including washing and reaming from 3129m to 3289m. Max 40klbs over sliding weight to RIH without rotation.
P12	TP (DH)	G8	0700	0800	1.00	3577.0m	Continued RIH from 3289m to 3555m.
P12	TP (DH)	F1	0800	0830	0.50	3577.0m	Washed and reamed from 3555m to 3577m and established drilling parameters.
P12	Р	D4	0830	2400	15.50	3791.0m	Continued controlled drilling as per DD and geology requirements from 3577m to 3791m (2626.8mTVD). Drilling parameters: 150rpm, 5-12klbs WOB, 600-720gpm, 2400-3100psi, 10-14kft-lbs torq, 25-30m/hr max ROP. Intersected "100" sand at 3635m.

Operations For Period 0000 Hrs to 0600 Hrs on 08 Aug 2008

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Phse	Cls (RC)	Ор	From	То	Hrs	Depth	Activity Description
P12	Р	D4	0000	0600	6.00	3915.0m	Continued controlled drilling as per DD and geology requirements from 3791m to 3915m.



Di								_		_		_			
Phase						Phase Hrs			Finish On	Cum I		Cum Day			Depth
Production Hole (2	,, ,						168 01 Au	g 2008	07 Aug 200	8	168.00	-	7.000		3791.0n
General Com	ments														
00:00 TO 24:00 F	Irs ON 07 Au	ıg 2008													
Operationa	I Comment	S	RT abo	ments to ove LAT = ove MSL/	= 41.06	62m.	tion based	on Fugr	o calculations	s;					
			West 7	Triton Rig	Equip	ment Conc	erns								
			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?												
			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 s	spare Upp	perTop	Drive IBO	P or parts	on board	d for Upper IE	BOP.					
Operationa	s	7.1) Engines 1,2,3 and 5 currently operational.7.2) Number 4 main generator down. Exciter and generator sent ashore.													
			8) Eme line).	ergency g	enera	tor fuel tanl	requires r	modificat	tion to drain li	ine (no co	mmunica	ation with	tank th	roug	n drain
			nping pres 3600psi.	ssure i	read-out at	Cyber cha	ir display	y not accurate	e. At 2800	psi pum	pressure	e, cybei	r disp	olay	
			10) Remote controller for Iron Roughneck not operational.												
			11) Automatic drill pipe elevators not working.												
			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,												
Operationa	I Comment	s	Hours on jar ser. No 1416-1515: 89hrs												
Operationa						ds at 3635n									
Operationa								a 24hrs:	1.6kg Accun	nulated to	tal: 3.45k				
•												-9			
SBM Data						Cost To	day US	1807	1						
Mud Type:	CCOLADE	HTHP-1	Γemp:	1	20C°	Ex.Lime:			Solids(%vol)):	18%	Viscosity YP			81sec/qt 32lb/100ft ²
Oil Type:	ACCOLADE	HTHP:		5	00psi	Salinity:	272	222mg/l	H2O:		22%	PV			42cp
0	BASE	HTHP-F	FL:	5.0cc/3	0min	Elec.Stab.:		600mV	Oil(%):		58%	O/W Ratio:			72.5/27.5
Sample-From:	Flowline	HTHP-0	cake:	2/3	32nd"				Sand:		.25	Gels 10s Gels 10m			14 25
Time:	21:40	CaCl m	ud:	2	28.15				LGS:		5%	Fann 003			10
Weight:	12.10sg	CaCl W	'P:						Oil On Cut:		10%	Fann 006			13
Temp:	57C°											Fann 100 Fann 200			39
Comment Run centrifuges in Barite recov Admiral 100 sand, added 3ppb results.												Fann 300 Fann 600			74 116
Bit # 11						Wear	I	O1	D	L	В	G	02	2	R
								į.	1			1	1		
						Bitwear Co	omments:								



Mfr:	REED	WOB(avg)	7.00klb	No.	Size	Progress	214.0m	Cum. Progress	214.0m
Type:	PDC	RPM(avg)	150	6	16/32nd"	On Bottom Hrs	9.8h	Cum. On Btm Hrs	9.8h
Serial No.:	216535	F.Rate	708gpm			IADC Drill Hrs	15.5h	Cum IADC Drill Hrs	15.5h
Bit Model	RSX616M-A4	SPP	3050psi			Total Revs		Cum Total Revs	0
Depth In	3577.0m	HSI				ROP(avg)	21.84 m/hr	ROP(avg)	21.84 m/hr
Depth Out		TFA	1.178						
Bit Comment									

BHA # 13							
Weight(Wet)	30.00klb	Length	215.0m	Torque(max)	14000ft-lbs	D.C. (1) Ann Velocity	404fpm
Wt Below Jar(Wet)	14.00klb	String	218.00klb	Torque(Off.Btm)	9000ft-lbs	D.C. (2) Ann Velocity	375fpm
		Pick-Up	226.00klb	Torque(On.Btm)	12000ft-lbs	H.W.D.P. Ann Velocity	289fpm
		Slack-Off	210.00klb			D.P. Ann Velocity	289fpm
BHA Run Description		9.5in PDC bit, PI HWDP.	O Xceed 675, Eco so	cope, Tele scope, NM	HWDP, X/O, 6x	5.5" HWDP, X/O, Jar, X/O	, 12x 5.5"

BHA Run Comment

Forderson	1	0.0		0 1 //	0
Equipment	Length	OD	ID	Serial #	Comment
PDC Bit	0.22m	9.50in		216535	
PD Xceed 675	7.66m	6.75in		267	
ECO Scope	8.05m	9.13in		805	
Tele Scope	8.52m	6.88in		FU22	
NM HWDP	9.19m	6.75in		SBD 3170	
X/O	0.91m	7.00in		508A67	
HWDP	56.23m	7.06in			
X/O	0.42m	7.00in		115612	
Jar	9.62m	6.25in		1416-1515	
X/O	1.22m	7.00in		SSD7142	
HWDP	112.76m	7.00in			

Survey	·	·	·	<u>'</u>	·	·	<u> </u>	
MD	Incl	Azim	TVD	Vsec	N/-S	E/-W	DLS	Tool Type
(m)	(deg)	(deg)	(m)	(deg)	(m)	(m)	(deg/30m)	
			0.00	0.0	0.0	0.0	0.0	
3564.74	91.4	180.9	2569.54	-1929.5	-1929.5	-130.0	0.2	
3594.59	91.5	181.0	2568.79	-1959.3	-1959.3	-130.5	0.1	
3624.29	91.5	182.6	2568.01	-1989.0	-1989.0	-131.5	1.6	
3653.86	91.7	184.3	2567.18	-2018.5	-2018.5	-133.2	1.7	
3684.08	90.3	183.8	2566.66	-2048.6	-2048.6	-135.4	1.5	
3711.90	89.7	185.0	2566.66	-2076.4	-2076.4	-137.5	1.4	
3740.99	88.5	184.9	2567.11	-2105.4	-2105.4	-140.0	1.2	
3770.39	85.5	184.6	2568.65	-2134.6	-2134.6	-142.5	3.1	
3799.79	83.8	184.6	2571.39	-2163.8	-2163.8	-144.8	1.7	
3829.12	82.9	183.9	2574.79	-2192.8	-2192.8	-147.0	1.2	
3859.22	84.0	183.2	2578.22	-2222.7	-2222.7	-148.8	1.3	

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	6	0	199.0
Rig Fuel	m3	0	13	0	263.0
POTABLE WATER	MT	91	27	0	313.0
Cement Class G	MT	0	0	0	52.0
Bentonite	MT	0	0	0	45.0
Barite	MT	0	0	0	135.0
SOBM	m3	0	0	0	119.0
Brine	m3	0	0	0	192.0



Pu	ımps																
Pu	mp Data - Last 2	24 Hrs						Slow Pump Data									
No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)	Depth (m)	SPM1 (SPM)	SPP1Fl (psi)	low1(gpr	n)SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1	National 14 P-220	6.50	1.44	97	60	3100	350	3584.0	20	200	117	30	240	176	40	400	234
2	National 14 P-220	6.50	1.44	97	60	3100	350	3584.0	20	190	117	30	240	176	40	400	234
3	National 14 P-220	6.50	1.44	97				3437.0	30	340	176	40	500	234	50	680	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		10		
Seadrill		12		
Seadrill Services.		39		
Catering		9		
Halliburton		2		
Baker Hughes Inteq		7		
Halliburton		1		
Tamboritha		3		
Q Tech		1		
Tasman Oil Tools		2		
Schlumberger		6		
K&M		1		
Cameron		2		
Reach		1		
Baker Atlas		4		
	Total	100		

Mud Volumes, Mud Losses and Shale Shaker Data Engineer: Brian Auckram/James Munford							
Available	2405.5bbl	Losses	163.0bbl	Equipment	Description	Mesh Size	Comments
Active	377.0bbl	Downhole	55.0bbl	Shaker 1	VSM-300	255	
Mixing		Surf+ Equip	88.0bbl	Shaker 2 Shaker 3	VSM-300 VSM-300	280 280	
Hole	958.5bbl	Dumped		Shaker 4	VSM-300	280	
Slug Reserve	1070.0bbl	De-Gasser De-Sander					
Kill		De-Silter Centrifuge Evaporation	20.0bbl				

Marine Weather on 07 Aug 2008 Air Temp. Wave Period Visibility Wind Speed Wind Dir. Wave Height Wave Dir. Pressure 9C° 10.0nm 6kn 140.0deg 1009.0mbar 0.3m 120.0deg Rig Dir. Ris. Tension VDL Swell Height Swell Dir. Swell Period Weather Comments 24.1deg 440.00klb 3005.00klb 1.6m 120.0deg 6s Wave and swell heights are estimates. Comments **Vessel Name** Arrived (Date/Time) Departed **Status Bulks** (Date/Time)



Pacific Battler	At rig	Item	Unit	Used	Quantity
		Rig Fuel	m3		451.3
		Potable Water	Mt		355
		Drill Water	Mt		150
		CEMENT G	Mt		0
		Barite	Mt		84
		Bentonite	Mt		0
		Base Oil	m3		0
		Brine	m3		118
Pacific Valkyrie	At Geelong	Item	Unit	Used	Quantity
		Rig Fuel	m3		422
		Potable Water	Mt		448
		Drill Water	m3		618
		CEMENT G	Mt		0
		Barite	Mt		105
		Bentonite	Mt		34.8
		SOBM	m3		74
		Base Oil	m3		0
		Brine	m3		119

Helicopter Movement						
Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment		
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1012 / 1144	14 / 8	Crew Change Due to fog aircraft shutdown on rig		