



05 Sep 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\$650,000
Rig	West Triton	Days from spud	76.94	Shoe MDBRT	4647.0m	Cum Cost	AUD\$74,016,600
Wtr Dpth (MSL)	55.968m	Days on well	36.00	FIT/LOT:	1.68sg /		
RT-MSL	41.100m	Planned TD MD	5822.000m	Current Op @ 0600	POOH and laying out 7in tubing. Depth at 06.00hrs = 1740m. Average losses since POOH 4 bbls/hr.		
RT-ML	97.068m	Planned TD TVDRT	2702.000m	Planned Op	POOH and laying out completion string.		

**Summary of Period 0000 to 2400 Hrs**

Made up THRET into tubing hanger, sheared out Pump open sub with 1,400psi. Closed annular and attempted to circulate well via choke, observed pressure increasing to SIDP 300psi, SICP 300psi. bled of pressure in drill pipe to 0 psi, observed for 1 hour no flow static. POOH 1 stand. Established circulation around packers. Flow checked - losses at 9 bbls/hr. Pumped 120bbls Hec pill and displaced with 230 bbls brine. Flow checked - losses decreased to 6bbls/hr. POOH with completion string to tubing hanger. Observed flow in tubing in rotary table, pumped 30 bbls 11,00 ppg brine down string, flow checked static. Continued POOH with completion string.

HSE Summary					
Events	Num. Events	Days Since	Descr.	Remarks	
Abandon Drill		6 Days	Held at 10.30 hours.	Rig alarms activated. gas leak at well test area, all crews mustered at alternative muster stations.	
BOP Test		22 Days	Pressure tested Bop's.	14 Days - 28 Aug 21 days 4 Sept	
Environmental Incident		13 Days	SBM spill to ocean when back-loading to Supply Boat.	Synthetic Based Mud was leaked to the ocean when a Transfer hose failed, spill was 21bbls.	
First Aid Case		9 Days	Third Party received small laceration to top of right thumb.	The IP was walking between the bottom of the V door and cable spooling unit for the down hole gauge on the cantilever deck. As he did this he dragged his hand along the edge of the spooling unit and received a small laceration to the top of his right thumb.	
PTW issued	19	0 Days		Permit to work issued for the day.	
Safety Meeting		5 Days	Weekly Safety Meetings.	Weekly safety meeting held on Sundays .	
STOP Card	34	0 Days		Stop cards submitted for the day.	
Time Out For Safety	1	17 Days	TOFS	Held TOFS on drill floor with drill and deck crews at 22.30 hrs to highlight the hazards associated with repetitive tasks and remind personnel to keep focused on the job	
Trip / Kick Drill	1	0 Days	Trip Drill	Held trip drill with crew while POOH with completion string. Good safe and fast reaction time by crew.	

Operations For Period 0000 Hrs to 2400 Hrs on 05 Sep 2008							
Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	TP (DH)	C13	0000	0100	1.00	4648.0m	Made up THRET into tubing hanger, unlocked tubing hanger with 4 LH turns and observed increase in torque confirming that the tubing hanger unlocked. Closed annular. Pumped down completion string with 5 bbls brine to 1400psi and observed Pump Open Plug sheared open at 1400 psi. Opened ICV and confirmed with Cameron that TRSSSV closed, CSM, PMV, XOV, AMV and AAV opened. Picked up 2m, initial pickup weight 220 klbs, after 1m pick up, weight dropped down to 208 klbs. Observed no pressure increase on annulus or tubing.
P22	TP (DH)	C13	0100	0130	0.50	4648.0m	Cameron closed AMV, AAV, PMV and XOV with HPU. Lined up to circulate down string with returns back via choke manifold. Pumped at 2.5 bbls/min. String took 8 bbls to fill. Pressure increasing to 1800psi after pumping 51 bbls - got partial returns. Stopped pumps and observed drill pipe pressure fall to 0 psi. Annulus pressure = 0 psi. Recommenced pumping down string at 1.2 bbls/min, pressure increased to 1500 psi - getting partial returns. Estimated loss = 20 bbls. Stopped pumps and closed choke.
P22	TP (DH)	P3	0130	0230	1.00	4648.0m	Observed pressure increase on choke manifold to 200psi, drill pipe pressure 0 psi. Worked string up and down over 4m interval 4 times with 240klbs pickup, 178klbs down weight. Attempted to circulate string while working string up and down.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	TP (DH)	P3	0230	0400	1.50	4648.0m	Pressure fluctuated in drill pipe and annulus. Stop pumps - SICP = 200 psi SIDP = 100 psi. Attempted to bleed of casing pressure, bled off 6 bbls to trip tank, closed in choke and observed SICP immediately build back up to 200psi. SIDP = 0 psi. Pumped 3 bbls down string - drill pipe pressure increased but SICP remained at 200 psi - no circulation. Pumped 10 bbls total. Worked string up and down over a 2m interval - pressures fluctuated.
P22	TP (DH)	P3	0400	0600	2.00	4648.0m	Stopped working string and observed pressures: SICP and SIDP both stabilized at 300 psi after 30 minutes. Bled of 4.5 bbls from string (SSSV flapper closed) and observed drill string - no flow on drill pipe for 1 hour - SICP remained steady at 300 psi.
P22	TP (DH)	P3	0600	0900	3.00	4648.0m	Held PJSM. Broke off one stand of drill pipe and installed TIW. Racked back stand. Removed TIW and made up TDS (gas evident in string). Continued to pick up string 23 m total stripping through annular - while pumping at 1.3 BPM and 300 psi. Casing pressure remained constant at 300 psi.
P22	TP (DH)	P3	0900	1030	1.50	4648.0m	Opened choke and took sample of returns from annulus - 10.4 ppg with slight diesel contamination. Worked string in an attempt to establish a circulation path and pulled back 42 m to place bottom packer at 2487 m - above top 400 Sand perforations at 2494 m. Observed pressure drop on annulus to 150 psi. Opened choke and pressure bled down to zero with no further flow. Attempted to circulate but not getting any returns. Opened annular and checked fluid level in annulus -took 22 bbls to fill hole. Commenced pumping and working string with annular open and established returns.
P22	TP (DH)	F4	1030	1130	1.00	4648.0m	Continued circulating at 5.5 BPM and 300 psi. Diesel contamination in brine and weight 10.2 - 10.6 ppg. Diverted returns to separate pit. Circulated 100 bbls and observed rapid pressure increase.
P22	TP (DH)	F4	1130	1230	1.00	4648.0m	Work string up and down and cleared circulation route around packers.
P22	TP (DH)	F4	1230	1530	3.00	4648.0m	Continued circulating at 3.5 BPM & 300 psi. Slight diesel contamination in returns and brine weight 10.2 - 10.6 ppg. Diverted returns to separate pit. Pit volumes holding steady for the first 710 bbls then observed losses while pumping the last 60 bbls of circulation.
P22	TP (DH)	G14	1530	1630	1.00	4648.0m	Flow checked well: down-hole losses 9 bbls / hour. (Pulled and racked back one stand drill pipe)
P22	TP (DH)	F3	1630	1800	1.50	4648.0m	Pumped 120 bbls HEC pill and displaced with 230 bbls brine. (Lost 80 bbls)
P22	TP (DH)	G14	1800	1830	0.50	4648.0m	Flow checked well. Losses at 6 bbls / hour.
P22	TP (DH)	G8	1830	2000	1.50	4648.0m	POOH with tubing hanger to surface. Serviced THRET, cut control lines and laid out THRET and tubing hanger.
P22	TP (DH)	G8	2000	2030	0.50	4648.0m	POOH with completion string from 2478m - 2466m. Observed backflow from string increasing, installed TIW valve and closed same.
P22	TP (DH)	G8	2030	2130	1.00	4648.0m	Lined up and pumped 30 bbls 11.00ppg brine down string and chased with 10 bbls 10.8 ppg brine. Flow checked. No backflow observed from string.
P22	TP (DH)	G8	2130	2400	2.50	4648.0m	POOH with completion string to 2378m. Laid out TRSSV at 2428m.

**Operations For Period 0000 Hrs to 0600 Hrs on 06 Sep 2008**

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	TP (DH)	G8	0000	0600	6.00	4648.0m	(IN PROGRESS) POOH with completion string and laid out same. Average joints laid out per hour was 10 joints.

**Operations For Period Hrs to Hrs on**

<b>Phase Data to 2400hrs, 05 Sep 2008</b>						
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)	291.5	11 Aug 2008	23 Aug 2008	552.00	23.000	4648.0m
Completion/Recompletion(P22)	312	24 Aug 2008	05 Sep 2008	864.00	36.000	4648.0m

<b>General Comments</b>	
00:00 TO 24:00 Hrs ON 05 Sep 2008	
<b>Operational Comments</b>	Rotary table elevation based on Fugro calculations;

General Comments	
	RT above LAT = 41.062m. RT above MSL/AHD 40.362m.
<b>Operational Comments</b>	<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>2) Compensator for saver sub on TDS not operational resulting in excessive wear on saver sub threads.</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 plate</p> <p>6) Number 4 main generator down. Exciter and generator sent ashore.</p> <p>7) Emergency generator fuel tank requires modification to drain line (no communication with tank through drain line).</p> <p>8) Pumping pressure read-out at Cyber chair display not accurate. At 2800psi pump pressure, cyber display reads 3600psi.</p> <p>9) Remote controller for Iron Roughneck not operational.</p> <p>10) Automatic drill pipe elevators not working.</p> <p>11) 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> <p>12) Auto slips not being used as profile of slips not compatible with master bushing.</p> <p>13) Need to investigate possible misalignment of dolly beams and dolly rollers on Top Drive System.</p>
<b>Operational Comments</b>	ROV operated the following SST valves: S1V1, S1V2, SSDC, SSD1, CSM, VXT and TCT to closed position. Completed Sea bed cuttings survey 100%.
<b>Operational Comments</b>	Expro Well Testing: Rigging up equipment 100% of lines installed and equipment rigged up. Rig Cool: Rigging up equipment 100% of all equipment rigged up.

WBM Data		Cost Today AUD\$ 2500			
Mud Type: Calcium Chloride Brine	API FL:	Cl: 282365mg/l	Solids(%vol):	Viscosity PV	
Sample-From: Pit #6	Filter-Cake:	K+C*1000:	H2O: 100%	YP	
Time: 21:27	HTHP-FL:	Hard/Ca:	Oil(%):	Gels 10s	
Weight: 11.00sg	HTHP-cake:	MBT:	Sand:	Gels 10m	
Temp: 31C°		PM:	pH: 9.5	Fann 003	
		PF:	PHPA:	Fann 006	
Comment	Lost 280 bbls down hole and are continuing to loose and a approx 6 bbls per hour. Mixed 35 Sx of Cacl into pit #2 for extra volume, 54 bbls approx. Pumped HEC pill.			Fann 100	
				Fann 200	
				Fann 300	
				Fann 600	

Bulk Stocks						
Name	Unit	In	Used	Adjust	Balance	
Drill Water	MT	0	8	0	254.0	
Rig Fuel	m3	0	7	0	274.0	
POTABLE WATER	MT	12	32	0	156.0	
Cement class 'G'	MT	0	0	0	52.0	
Bentonite	MT	0	0	0	45.0	
Barite	MT	0	0	0	65.0	
SOBM	m3	0	0	0	2.0	
Brine	m3	0	0	0	10.0	
BLENDED CEMENT	MT	0	0	0	43.0	

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
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 "HTB" grade cement slurry at 15.0 ppg through perforations at 4560m - 4558m. Theoretical top of cement in 7in liner at 4520m
			Second cement job "HTB" 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	7
Seadrill	11
Seadrill Services.	35
Catering	9
Halliburton - Sperry	2
Baker Hughes Inteq	2
Halliburton - Sperry	2
Tamboritha	3
Expro Group	12
Well Dynamics	2
Schlumberger (Testing)	2
Rigcool	2
Weatherford	4
Cameron	3
Schlumberger (Wireline)	5
<b>Total</b>	<b>101</b>

Mud Volumes, Mud Losses and Shale Shaker Data				Engineer : Brian Auckram/Tim Waldhuter			
Available	2939.0bbl	Losses	280.0bbl	Equipment	Description	Mesh Size	Comments
Active	332.0bbl	Downhole	280.0bbl	Shaker 1	VSM-300	280	
Mixing		Surf+ Equip	0.0bbl	Shaker 2	VSM-300	280	
Hole	1296.0bbl	Dumped		Shaker 3	VSM-300	280	
Slug	50.0bbl	De-Gasser		Shaker 4	VSM-300	280	
Reserve	1261.0bbl	De-Sander					
Kill		De-Silting Centrifuge					

Marine							
Weather on 05 Sep 2008							
Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	5kn	70.0deg	1015.0mbar	12C°	1.0m	165.0deg	1s
Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments	
24.1deg	440.00klb	2452.00klb	1.5m	165.0deg	6s	Wave and swell heights are estimates.	
Comments							

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status	Bulks			
Pacific Battler			At Geelong.	Item	Unit	Used	Quantity
				Rig Fuel	m3		627.375
				Potable Water	Mt		331
				Drill Water	Mt		190
				CEMENT G	Mt		42
				Barite	Mt		42
				Bentonite	Mt		42
				SOBM	m3		110



				Item	Unit	Used	Quantity
				Brine	m3		0
<b>Pacific Valkyrie</b>				Item	Unit	Used	Quantity
				Rig Fuel	m3		575.513
				Potable Water	Mt		433
				Drill Water	m3		487
				CEMENT G	Mt		0
				Barite	Mt		70
				Bentonite	Mt		34.8
				SOBM	m3		0
				Base Oil	m3		0
				Brine	m3		0
On location.							