Australian Drilling Associates Pty Ltd ADA

DRILLING MORNING REPORT # 40

09 Sep 2008 **From:** S De Frietas/R. Rossouw
To: R Oliver

Longtom-4 H

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$974,000
Rig	West Triton	Days from spud	80.94	Shoe MDBRT	4647.0m	Cum Cost	AUD$76,864,500
Wtr Dpth (MSL)	55.968m	Days on well	40.00	FIT/LOT:	1.68sg /		
RT-MSL	41.100m	Planned TD MD	5822.000m	Current Op @ 0600	Lubricating 10.9 ppg brine into tubing.		
RT-ML	97.068m	Planned TD TVDRT	2702.000m	Planned Op	Pull RQ lock from SSSV. Open Sliding Sleeve. Displace annulus to inhibited filtered brine. Pressure test tubing. Displace tubing to diesel. Close sliding sleeve. Set production packer.		

Summary of Period 0000 to 2400 Hrs

Made up and ran tubing hanger and landing string. Landed and locked tubing hanger and pressure tested SST valves. Made up surface lines to flowhead and pressure tested surface equipment and tieback seal. Observed pressure build-up on tubing. Rigged up slickline equipment and lubricator and retrieved isolation.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
BOP Test	1	2 Days	Pressure tested Bop's.	14 Days - 21 Sept 08 21 Days - 28 Sept 08
Environmental Incident		17 Days	SBM spill to ocean when back-loading to Supply Boat.	
First Aid Case		13 Days	Third Party received small laceration to top of right thumb.	
PTW issued	14	0 Days		Permit to work issued for the day.
Safety Meeting		3 Days	Weekly Safety Meetings.	Weekly safety meeting held on Saturdays .
STOP Card	46	0 Days		Stop cards submitted for the day.

Operations For Period 0000 Hrs to 2400 Hrs on 09 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	TP (DH)	C4	0000	0430	4.50	4648.0m	Picked up and made up tubing hanger. Terminated TRSSSV control lines through tubing hanger and pressure tested control lines to 4,000psi. Baker Hughes installed and tested Production Quest electricial line connection through tubing hanger to 7,500psi. Performed pre submergence checks.
P22	TP (DH)	C4	0430	0500	0.50	4648.0m	Installed split bushing into rotary table and landed out tubing hanger at rotary table.
P22	TP (DH)	C4	0500	0630	1.50	4648.0m	Laid out THHTT, picked up and made up mechanicial tubing hanger running tool to tubing hanger. Performed pre submergence checks.
P22	TP (DH)	C4	0630	0800	1.50	4648.0m	Ran landing string & completion from 2477m to 2570.8m. ROV opened CSM & TST rotary valves including PMV, XOV, AAV and AMV. Landed tubing hanger with 30k lbs down - landed off tubing string weight and held landing string weight. Closed off AAV and AMV.
P22	TP (DH)	C4	0800	1000	2.00	4648.0m	Locked and tested tubing hanger to 500psi/5min, 4000psi/10min. with landing string at neutral weight. Rotated tubing hanger 3.8 turns cw to lock hanger. Rotated 3.8 turns ccw and performed o/pull of 130klbs.
P22	TP (DH)	P1	1000	1400	4.00	4648.0m	Pressure tested SST valves. Rigged up 30ft Expro bales, held PJSM and made up flowhead.
P22	TP (DH)	G1	1400	1600	2.00	4648.0m	Made up co-flex hose and chicksan lines to flowhead, hooked up Schlumberger control hoses to flowhead.
P22	TP (DH)	P1	1600	1800	2.00	4648.0m	Held PJSM, flushed surface lines and tested flowhead master valve against Expro choke valve to 500/5500psi for 10min. Tested down annulus against annular/tie-back seal to 300psi.
P22	TP (DH)	P3	1800	1930	1.50	4648.0m	Pressure observed on tubing: 120psi and increasing by 1psi/min. Pressure caused by gas influx due to dropping brine level inside tubing. Rigging up slickline equipment.
P22	TP (DH)	G1	1930	2300	3.50	4648.0m	Held PJSM & rigged up slickline lubricator and BOP's. Made up tool string, installed lubricator and tested same to 4000psi.
P22	TP	C1	2300	2400	1.00	4648.0m	Equalised pressure between flowhead and tubing (334psi), RIH and retrieved isolation

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Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
	(DH)						sleeve. Observed pressure drop on tubing from 334psi to 80psi when sleeve was pulled - pressure vented into annulus. Closed annular and observed pressures: SITHP = 80 psi, SICP = 0 psi.

Operations For Period 0000 Hrs to 0600 Hrs on 10 Sep 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	TP (DH)	C1	0000	0130	1.50	4648.0m	POOH with hanger protection sleeve. Closed master valve on flowhead. Laid out protection sleeve. Made up short wireline protection sleeve.
P22	TP (DH)	C1	0100	0230	1.50	4648.0m	Pressure tested lubricator to 4000 psi / 5 mins. RIH and set short wireline protection sleeve. POOH with running tool. Closed master valve on flowhead. Laid out running tool. SITHP = 309 psi.
P22	TP (DH)	C1	0230	0400	1.50	4648.0m	Made up 4.5in GS pulling tool. Pressure tested lubricator to 4000 psi / 5 mins. RIH and pulled 4.562in RQ lock from SSSV and POOH. Closed master valve on flowhead. Did not recover RQ lock from SSSV.
P22	TP (DH)	C1	0400	0530	1.50	4648.0m	Made up lubricator and pressure tested to 4000 psi / 5 minutes. Opened master valve - SITHP = 630 psi. Bled back SITHP from 630 psi to 200 psi. Commenced RIH with GS pulling tool on slickline to top of SSSV.
P22	TP (DH)	C1	0530	0600	0.50	4648.0m	Stop running slickline. SITHP = 260 psi. Lined up to lubricate 10.9 ppg brine into tubing. Commenced pumping 10.9 ppg brine into tubing at 0.2 BPM with 350 psi THP.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 09 Sep 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)	291.5	11 Aug 2008	23 Aug 2008	552.00	23.000	4648.0m
Completion/Recompletion(P22)	408	24 Aug 2008	09 Sep 2008	960.00	40.000	4648.0m

General Comments

00:00 TO 24:00 Hrs ON 09 Sep 2008

Operational Comments	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? 2) Compensator for saver sub on TDS not operational resulting in excessive wear on saver sub threads. 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 plate 6) Number 4 main generator down. Exciter and generator sent ashore. 7) Emergency generator fuel tank requires modification to drain line (no communication with tank through drain line). 8) Pumping pressure read-out at Cyber chair display not accurate. At 2800psi pump pressure, cyber display reads 3600psi. 9) Remote controller for Iron Roughneck not operational. 10) Automatic drill pipe elevators not working. 11) Auto IBOP on TDS is sticky and does not operate smoothly - linkages distorted?? Drillers are not currently

General Comments

	closing the IBOP while making connections as it is very difficult to re-open. 12) Auto slips not being used as profile of slips not compatible with master bushing. 13) Need to investigate possible misalignment of dolly beams and dolly rollers on Top Drive System.
Operational Comments	ROV operations: Closed Bore Protector cavity seal monitor. Maintenance of equipment and unit.
Operational Comments	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:	282200mg/l	Solids(%vol):	
Sample-From:	Pit #7	Filter-Cake:		K+C*1000:		H2O:	100%
Time:	21:45	HTHP-FL:		Hard/Ca:	130000mg/l	Oil(%):	
Weight:	10.90sg	HTHP-cake:		MBT:		Sand:	
Temp:	20C°			PM:		pH:	9.5
				PF:		PHPA:	
Comment		No treatments today.					

Viscosity	26sec/qt
PV	
YP	
Gels 10s	
Gels 10m	
Fann 003	
Fann 006	
Fann 100	
Fann 200	
Fann 300	
Fann 600	

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Drill Water	MT	0	7	0	230.0
Rig Fuel	m3	0	10	0	239.0
POTABLE WATER	MT	12	30	0	190.0
Cement class \'G\'	MT	0	0	0	52.0
Bentonite	MT	0	0	0	45.0
Barite	MT	0	0	0	65.0
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.
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	8
Seadrill	12
Seadrill Services.	34
Catering	9
Halliburton - Sperry	2
Baker Hughes Inteq	2
Halliburton - Sperry	2
Tamboritha	6
Expro Group	14
Schlumberger (Testing)	2
Rigcool	2
Weatherford	4
Cameron	3

Personnel On Board

Baker Completions	2
Haliburton Completion Tools - Australasia	1
Nopsa	2
Total	105

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Brian Auckram/Kostas Geogiou

Available	**2822.2bbl**	**Losses**	**7.0bbl**
Active	333.0bbl	Downhole	
Mixing		Surf+ Equip	0.0bbl
Hole	1024.2bbl	Dumped	
Slug		De-Gasser	
Reserve	1465.0bbl	De-Sander	
Kill		De-Silter	
		Centrifuge	
		Halliburton Cementers	7.0bbl

Equipment	Description	Mesh Size	Comments
Shaker 1	VSM-300	280	
Shaker 1	VSM-300	280	
Shaker 2	VSM-300	280	
Shaker 2	VSM-300	280	
Shaker 3	VSM-300	280	
Shaker 3	VSM-300	280	
Shaker 4	VSM-300	280	
Shaker 4	VSM-300	280	

Marine

Weather on 09 Sep 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	20kn	245.0deg	1016.0mbar	10C°	1.0m	160.0deg	4s

Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments
24.1deg	440.00klb	2349.00klb	2.3m	160.0deg	10s	Wave and swell heights are estimates.

Comments

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Pacific Battler			En route to rig

Item	Unit	Used	Quantity
Rig Fuel	m3		562.7
Potable Water	Mt		312
Drill Water	Mt		267
CEMENT G	Mt		42
Barite	Mt		42
Bentonite	Mt		42
SOBM	m3		110
Brine	m3		0

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Pacific Valkyrie			

Item	Unit	Used	Quantity
Rig Fuel	m3		556.7
Potable Water	Mt		413
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

At rig

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
BWJ	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	0955 / 1010	9 / 10	Crew Change NOPSA