Australian Drilling Associates Pty Ltd ADA

19 Jul 2008

From: B Openshaw/R Rossouw
To: R Oliver

DRILLING MORNING REPORT # 31
Longtom-4

Well Data

Country	Australia	MDBRT	2600.0m	Cur. Hole Size	13.500in	AFE Cost	AUD$81,987,600
Field	Longtom	TVDBRT	2351.2m	Last Casing OD	10.750in	AFE No.	LSRDV01/6
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	2337.6m	Daily Cost	AUD$650,000
Rig	West Triton	Days from spud	28.94	Shoe MDBRT	2590.8m	Cum Cost	AUD$21,038,200
Wtr Dpth (LAT)	55.968m	Days on well	30.65	FIT/LOT:	/ 1.64sg		
RT-ASL (LAT)	41.062m	Planned TD MD	5822.000m	Current Op @ 0600	Laying down TRT on to main deck.		
RT-ML	97.030m	Planned TD TVDRT	2702.000m	Planned Op	Complete laying down of TRT, rig up and run 22in riser and BOP.		

Summary of Period 0000 to 2400 Hrs

Skidded rig to align rotary table with SST on deck. Made up HWDP to SST r/tool, skidded rig to allow lowering of SST. Troubleshoot problems with ROV, position rig to align SST to land out on wellhead.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill		11 Days	Held at10.30 hours.	Rig alarms activated.
Drills	1	4 Days	Spill Drill	A containment drill was held on a failed equalisation valve between the sand trap tanks.
Dropped Object		6 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	When the link Tilt was retracted, the uneven piston movement caused the clamp bolt (on the Bail Arm) to break.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	1	2 Days	Floorman had his hand struck by tong jaw.	At 01h40 on 17 July, Floorman was changing the Tong Jaw. He lifted the jaw and was pulling the locating pin out when the open tong jaw swung round and struck his left wrist. He reported to medic immediately. Medic examined man and Ice applied to back of hand. Returned to work shortly after.
Incident		6 Days	Elevator contact with Monkeyboard.	When racking back the Casing Running Tool, the stand was short. As a result, the elevators made contact with the corner of the Monkey Board, causing slight damage to support beam
PTW issued	11	0 Days		Permit to work issued for the day.
Safety Meeting	2	0 Days	Weekly Safety Meetings with crews.	Weekly safety meeting held at 0045 Sunday morning and 1300 on Saturday .
STOP Card	24	0 Days		Stop cards submitted for the day.
ToolBox Talk	8	0 Days	Held Tool box talk with crews for related tasks.	Held Pretour safety meetings with crews.

FORMATION

Name	Top
Kipper Shale	1755.00m
Admiral Formation.	2186.00m
500 Sands	2316.00m
400 Sands	2494.00m
300 Sands	2564.00m

Operations For Period 0000 Hrs to 2400 Hrs on 19 Jul 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	P	M2	0000	0100	1.00	2600.0m	Prepared to skid out cantilever, held PJSM and skidded out cantilever to allow Texas deck to be racked back.
P22	P	G1	0100	0300	2.00	2600.0m	Removed Texas deck stairs and set back same. Raised and pinned Texas deck to transom.
P22	P	M2	0300	0500	2.00	2600.0m	Continue to skid cantilever in and rig floor to starboard side to position rig floor over sub-sea tree.
P22	P	G1	0500	0600	1.00	2600.0m	Removed kill line on BOP to allow further positioning of rig floor over SST.
P22	P	M2	0600	0630	0.50	2600.0m	Skidded rig in 2ft for final alignment to pick up SST.

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Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	P	M2	0630	0800	1.50	2600.0m	Prepared, held PJSM and skidded rig transversely to stbd side for final alignment with SST.
P22	P	G1	0800	1030	2.50	2600.0m	Removed r/u slings & bails, installed DP elevators and made up r/tool adapter to 1 stnd HWDP. Lowered same through rotary and made up to SST r/tool. Held PJSM and picked up SST - 142k lbs.
P22	P	M2	1030	1100	0.50	2600.0m	Tranversed rig 5ft to port side.
P22	P	G1	1100	1200	1.00	2600.0m	Connected and prepared umbilical for running with landing string.
P22	P	M2	1200	1630	4.50	2600.0m	Held PJSM, skidded rig to 25ft, lowered SST to below hull, skidded rig transversely to well centre and skidded cantilever deck forward to allow clamping of umbilical to HWDP while running SST.
P22	P	G10	1630	1730	1.00	2600.0m	Lowered SST to 90m on HWDP.
P22	P	M2	1730	1800	0.50	2600.0m	Skidded rig to well centre.
P22	TP (TP)	G10	1800	2130	3.50	2600.0m	Troubleshoot problems with ROV. Intermittent nature of problems made for additional difficulty of solving them.
P22	P	M2	2130	2400	2.50	2600.0m	ROV back on bottom. Removed trash cap and skidded rig both to port and forward to align SST with 18.75in wellhead at seabed.

Operations For Period 0000 Hrs to 0600 Hrs on 20 Jul 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P22	P	G10	0000	0100	1.00	2600.0m	Skidded rig for final alignment and landed SST on 18.75in wellhead. Slacked of 30k lbs on to wellhead and activated H4 with 3000psi pressure. Observed H4 indicator move to fully closed position. Took 50k lbs o/pull to confirm connection.
P22	P	P2	0100	0200	1.00	2600.0m	Pressure tested VX ring to 5000psi for 15min.
P22	P	G10	0200	0230	0.50	2600.0m	Set down 50klbs weight and unlatch TRT.
P22	P	G10	0230	0400	1.50	2600.0m	ROV disconnected IWOCS stabbing plate from SST and connected same to TRT for recovery.
P22	P	G10	0400	0430	0.50	2600.0m	ROV performed survey around SST to confirm no snags for recovery of TRT. Held umbilical away from SST at one potential snagging point.
P22	P	G10	0430	0530	1.00	2600.0m	Pulled TRT above SST, skidded rig forward to allow for recovery of umbilical. POOH TRT.
P22	P	G10	0530	0600	0.50	2600.0m	Skidded rig out to allow space for lifting of TRT above hull into moonpool.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 19 Jul 2008

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	28	19 Jun 2008	20 Jun 2008	28.00	1.167	0.0m
Conductor Casing(P3)	20.5	20 Jun 2008	22 Jun 2008	48.50	2.021	132.8m
Conductor Hole(P2)	16.5	20 Jun 2008	22 Jun 2008	65.00	2.708	132.8m
Surface Hole(P4)	54	22 Jun 2008	24 Jun 2008	119.00	4.958	755.0m
Surface Casing(P5)	40	24 Jun 2008	25 Jun 2008	159.00	6.625	755.0m
BOPs/Risers(P6)	62.5	26 Jun 2008	28 Jun 2008	221.50	9.229	755.0m
Other work scope(P28)	1	28 Jun 2008	28 Jun 2008	222.50	9.271	755.0m
Intermediate Hole (1)(P7)	32.5	28 Jun 2008	29 Jun 2008	255.00	10.625	758.0m
Production Hole (1)(P11)	254	30 Jun 2008	10 Jul 2008	509.00	21.208	2600.0m
Production Casing(1)(P13)	188.5	10 Jul 2008	18 Jul 2008	697.50	29.063	2600.0m
Completion/Recompletion(P22)	38	18 Jul 2008	19 Jul 2008	735.50	30.646	2600.0m

General Comments

00:00 TO 24:00 Hrs ON 19 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.

General Comments

	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. 7) #3 Main Engine down - waiting on parts. 8) Emergency generator fuel tank requires modification to drain line (no communication with tank through drain line).
Operational Comments	Jar hours = 99.5 hours.

SBM Data

Cost Today AUD$ 2089

Mud Type:	ACCOLADE	HTHP-Temp:	120C°	Ex.Lime:		Solids(%vol):	22%	Viscosity	130sec/qt
Oil Type:	ACCOLADE BASE	HTHP:	500psi	Salinity:	264070mg/l	H2O:	24%	YP	31lb/100ft²
Sample-From:	Pit 6	HTHP-FL:	3.0cc/30min	Elec.Stab.:	490mV	Oil(%):	52%	PV	32cp
Time:	21:00	HTHP-cake:	1/32nd"			Sand:	.25	O/W Ratio:	68.4
Weight:	12.10sg	CaCl mud:	30.09			LGS:	13%	Gels 10s	13
Temp:	20C°	CaCl WP:				Oil On Cut:		Gels 10m	17
								Fann 003	11
								Fann 006	13
								Fann 100	34
								Fann 200	
								Fann 300	63
								Fann 600	95

Comment

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
DRILL WATER	MT	0	0	0	211.0
Rig Fuel	m3	0	13	0	269.0
POTABLE WATER	MT	112	30	0	295.0
Cement Class G	MT	0	0	0	71.0
Bentonite	MT	0	0	0	45.0
Barite	MT	0	0	0	204.0
SOBM	m3	0	0	0	28.0

Pumps

Pump Data - Last 24 Hrs

No.	Type	Liner (in)	MW (sg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)
1	National 14 P-220	6.50	1.40	97			
2	National 14 P-220	6.50	1.40	97			
3	National 14 P-220	6.50	1.40	97			

Slow Pump Data

Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1(gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
2590.0	30	300	176	40	370	234	50	500	293
	20		120	30		176	40		234
	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"	/	2590.78m / 2337.57m	200bbl class "G" at 15.8ppg, TOC at 1900m

Personnel On Board

Company	Pax
ADA	7
Seadrill	13
Seadrill Services.	43
Catering	9
Halliburton	2
Baker Hughes Inteq	4
Halliburton	2
Tamboritha	6

Personnel On Board

Q Tech	1
Tasman Oil Tools	2
Cameron	2
Weatherford	4
Reach	1
Dril-Quip	1
ROV-UIS	1
Baker Atlas	3
Schlumberger	4
Total	105

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer : Brian Auckram/James Munford

Available	**3057.3bbl**	**Losses**	**0.0bbl**
Active	220.0bbl	Downhole	
Mixing		Surf+ Equip	0.0bbl
Hole	1699.3bbl	Dumped	
Slug		De-Gasser	
Reserve	1138.0bbl	De-Sander	
Kill		De-Silter	
		Centrifuge	

Equipment	Description	Mesh Size
Shaker 1	VSM-300	255/280
Shaker 2	VSM-300	255/280
Shaker 3	VSM-300	255/280
Shaker 4	VSM-300	255/280

Comments

Marine

Weather on 19 Jul 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
10.0nm	12kn	0.0deg	1013.0mbar	10C°	0.4m	0.0deg	2s

Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments
24.1deg		2608.00klb	0.5m	150.0deg	7s	Wave and swell heights are estimates.

Comments

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Pacific Battler	12.15hrs 13-07-08		At rig

Item	Unit	Used	Quantity
Rig Fuel	m3		611.19
Potable Water	Mt		419
Drill Water	Mt		300
CEMENT G	Mt		0
Barite	Mt		0
Bentonite	Mt		0
Base Oil	m3		59
Brine	m3		0

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

Item	Unit	Used	Quantity
Rig Fuel	m3		351.76
Potable Water	Mt		337
Drill Water	m3		718
CEMENT G	Mt		0
Barite	Mt		105
Bentonite	Mt		34.8
SOBM	m3		5
Base Oil	m3		13
Brine	m3		50

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	Bristow Helicopters	1112 / 1130	15 / 5	3rd Party