Australian Drilling Associates Pty Ltd ADA

DRILLING MORNING REPORT # 22

31 Dec 2008 **From:** Rocco Rossouw/ Peter Sheehan
To: Rob Oliver

Fermat-1

Well Data

Country	Australia	MDBRT	2807.0m	Cur. Hole Size		AFE Cost	AUD$51,857,377
Field	Otway	TVDBRT	2804.4m	Last Casing OD	9.625in	AFE No.	07/002
Drill Co.	Seadrill	Progress	0.0m	Shoe TVDBRT	2797.7m	Daily Cost	AUD$734,309
Rig	West Triton	Days from spud	18.00	Shoe MDBRT	2800.3m	Cum Cost	AUD$26,711,197
Wtr Dpth (MSL)	39m	Days on well	22.00	FIT/LOT:	/		
RT-MSL	38.00m	Planned TD MD	3640m	Current Op @ 0600	Picking up drill pipe pending decision on forward plan for seal assmbly.		
RT-ML	77m	Planned TD TVDRT	3640m	Planned Op	Consult with shore in regards forward plan for seal assmbly . Continue to pick up tubulars.		

Summary of Period 0000 to 2400 Hrs

Retrieved 9.625in casing hanger running tool.
Completed mill and flush run for seal assembly.
RIH with seal assembly and set, not able to get pressure test . Reset and attempt to test second time, not able to get pressure test.

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	3 Days	Abandon rig drill.	All personnel mustered at life boats.
JSA	7	0 Days	JSA's conducted for the day.	
Pre-tour Meeting	4	10 Days	Safety Meeting.	Held Pretour and pre job safety meetings with crews.
PTW issued	6	0 Days	PTW issued for the day.	
Safety Meeting	2	4 Days	Weekly safety meeting.	
STOP Card	32	-280 Days	Stop cards submitted for the day.	22 positive 10 negative

Operations For Period 0000 Hrs to 2400 Hrs on 31 Dec 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P9	TP (TP)	G12	0000	0030	0.50	2807.0m	Attempted to back out casing hanger running tool . First connection on top of running tool pup joint backed out . Applied torque with weatherford casing tong. Held torque from 10k ft/lb and increased in 2k graduations . At the same time 2 winches connected to casing that were working the casing in a circular motion trying to find a free point . Casing operator had multiple attempts at trying to "jolt" it to no avail. Final outcome was with two winches working the casing and torque held in the joint backed out with 25k ft/lb applied.
P9	TP (TP)	G12	0030	0200	1.50	2807.0m	Removed BOPs from wellhead and move aside.
P9	TP (TP)	G12	0200	0300	1.00	2807.0m	Picked up and made up backed up portion of landing string. Torqued up and prepared for welding.
P9	TP (TP)	G12	0300	0400	1.00	2807.0m	Welded second connection of running string. Welded four straps running tool to pup joint.
P9	TP (TP)	G12	0400	0530	1.50	2807.0m	Applied torque with rig tong to back out casing hanger running tool. Applied 40k ft/lb held in and hammered casing joint with sledge hammers 0.5m above top of running tool. Broke welded straps ,bakerlocked connection pup joint to running tool.
P9	TP (TP)	G12	0530	0600	0.50	2807.0m	Welded pup joint to casing hanger running tool.
P9	TP (TP)	G12	0600	0900	3.00	2807.0m	Broke out casing hanger running tool, 50k ft/lb torque applied. Retrieved running tool and landing string to surface, cut off welded 9.625in casing joints.
P9	P	G12	0900	1000	1.00	2807.0m	Installed TDS drilling bails and and elevators, concurrently Drill Quip installed side entry flanges on wellhead.
P9	P	G12	1000	1330	3.50	2807.0m	Made up Drill Quip mill and flush tool, 2 std's of DP and 1 std below. RIH, miledl and flushed 9.625in seal assembly seat area.
P9	P	G12	1330	1430	1.00	2807.0m	Make up seal assembly running tool and set seal assembly in hanger as per Drill Quip procedure.
P9	TP (TP)	G12	1430	1500	0.50	2807.0m	Attempt to test seal assembly , no success.
P9	TP (TP)	G12	1500	1600	1.00	2807.0m	Rack back seal assembly running tool assembly.

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P9	TP (TP)	G12	1600	1630	0.50	2807.0m	Nippled up BOP's . Held PJSM.
P9	TP (TP)	G12	1630	1900	2.50	2807.0m	Picked up seal assembly running tool assembly and RIH with seal asembly.
P9	TP (TP)	G12	1900	2030	1.50	2807.0m	Set seal assembly as per Drill Quip Procedure. Set down weight 10k. Rotated the string to the right to lock the seal assembly set nut thread. Maximum torque applied 5K ft/lb.Closed BOPs, pressured up to 2k psi, held for 5 min.
P9	TP (TP)	G12	2030	2100	0.50	2807.0m	Bled off pressure, open BOPs, Rotated string to right 1/2 to 1 turn to lock set nut of the seal assembly to the casing hanger. Maximum torque applied 5K ft/lb. Pressure tested seal assembly, no success, zero pressure build up.
P9	TP (TP)	G12	2100	2200	1.00	2807.0m	Attempted to renergise and reset seal assembly. Rotated string to left 2 turns, closed BOP's, pressured up to 3k, held for 10 min, pressure slowly bled from 3k to 2600 psi. Bled off pressure. Locked set nut to seal assembly of casing hanger.
P9	TP (TP)	G12	2200	2330	1.50	2807.0m	Pressure tested seal assembly. No success. No pressure build up.
P9	TP (TP)	G12	2330	2400	0.50	2807.0m	Decision to POOH and run second seal assembly. Release seal assembly and POOH.

Operations For Period 0000 Hrs to 0600 Hrs on 01 Jan 2009

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P9	TP (TP)	G12	0000	0130	1.50	2807.0m	POOH with seal assembly. Split lock down ring of the hanger body recovered, broken in two pieces, bent and mangled, sitting on top of seal assembly running tool. All seal rings on seal assembly missing.
P9	TP (TP)	G12	0130	0230	1.00	2807.0m	Laid out seal assembly running tool and seal assembly. Racked back D.P stands below running tool.
P9	TP (TP)	G12	0230	0330	1.00	2807.0m	Waited on consultation between Drill Quip onsite and onshore engineers. Decision to remove BOP's and inspect wellhead for damage. Concurrent operation was jetting the BOPs.
P9	TP (TP)	G12	0330	0500	1.50	2807.0m	Nippled down BOPs and moved aside, cleaned seal assembly seating area and top of casing hanger for inspection.
P9	P	G2	0500	0600	1.00	2807.0m	(IN PROGRESS) Picked up drill pipe pending forward plan for seal assembly. Picked up 26 std's 5.5in DP.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 31 Dec 2008

Phase	Phase Hrs	Start On	Finish On	Cum Hrs	Cum Days	Max Depth
Mob/Demob(P1)	78.5	10 Dec 2008	13 Dec 2008	78.50	3.271	0.0m
Conductor Hole(P2)	28	13 Dec 2008	14 Dec 2008	106.50	4.438	119.0m
Conductor Casing(P3)	26.5	14 Dec 2008	15 Dec 2008	133.00	5.542	119.0m
Surface Hole(P4)	51	15 Dec 2008	17 Dec 2008	184.00	7.667	999.0m
Surface Casing(P5)	20	17 Dec 2008	18 Dec 2008	204.00	8.500	999.0m
BOPs/Risers(P6)	13	18 Dec 2008	19 Dec 2008	217.00	9.042	999.0m
Intermediate Hole (1)(P7)	243	19 Dec 2008	29 Dec 2008	460.00	19.167	2807.0m
Intermediate Casing (1)(P9)	68	29 Dec 2008	31 Dec 2008	528.00	22.000	2807.0m

General Comments

00:00 TO 24:00 Hrs ON 31 Dec 2008

Operational Comments	West Triton Rig Equipment Concerns 1) Need new BOP test tool mandrel. Ordered on the 24/10/08. 2) TDS IBOP is required to be opened before being able to operate rotating head and link tilt functions. Ongoing intermittent issue.

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WBM Data

Mud Type:	KCl / Polymer	API FL:	5.0cc/30min	Cl:	46000mg/l	Solids(%vol):	6%	Viscosity	55sec/qt
Sample-From:	6	Filter-Cake:	1/32nd"	K+C*1000:	7%	Low-Gravity Solids:	3.0%vol	PV	15cp
Time:	19:00	HTHP-FL:	11.0cc/30min	Hard/Ca:	320mg/l	H2O:	90%	YP	40lb/100ft²
Weight:	10.10ppg	HTHP-cake:	2/32nd"	MBT:	5	Oil(%):		Gels 10s	14
Temp:	31C°			PM:	0.1	Sand:	.1	Gels 10m	24
				PF:	0.1	pH:	8.5	Fann 003	13
						PHPA:	2ppb	Fann 006	16
								Fann 100	37
								Fann 200	47
								Fann 300	55
								Fann 600	70

Comment

Cost Today

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Drill Water	MT	298	0	0	543.0
Rig Fuel	m3	105	4	0	248.0
POTABLE WATER	MT	12	22	0	245.0
Cement class G	MT	0	0	0	89.0
BLENDED CEMENT	MT	0	0	0	0.0
Bentonite	MT	0	0	0	42.0
Barite	MT	0	0	0	70.0
Brine	m3	42	0	20	92.0
Helifuel	ltr	0	0	0	4,490.0

Pumps

Pump Data - Last 24 Hrs

Slow Pump Data

No.	Type	Liner (in)	MW (ppg)	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	82.62	97				2730.0	30	290	175	40	320	233	50	400	292
2	National / 14 P-220	6.50	81.78	97								40	240	240	50	320	320
3	National / 14 P-220	6.50	82.62	97				2730.0	30	280	175	40	320	233	50	400	292

Casing

OD	LOT / FIT	Csg Shoe (MD/TVD)	Cementing
30 "	/	151.00m / 151.00m	
13.38	15.00ppg /	987.00m / 987.00m	
9.63	/	2800.27m / 2797.72m	

Personnel On Board

Company	Pax
ADA	4
Seadrill	11
Catering	8
Seadrill Services	32
Tamboritha	2
Halliburton	1
Halliburton - Cementing	2
Baker Hughes Inteq	7
Beach Petroleum Ltd	2
Schlumberger MWD/LWD	3
Dril-Quip	2
Total	74

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer :

Available	2015.0bbl	Losses	0.0bbl
Active	465.0bbl	Downhole	0.0bbl
Mixing		Surf+ Equip	0.0bbl
Hole	697.0bbl	Dumped	
Slug	24.0bbl	De-Gasser	
Reserve	829.0bbl	De-Sander	
Kill		De-Silter	
		Centrifuge	
		Behind casing	

Equipment	Description	Mesh Size

Comments

Marine

Weather on 31 Dec 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
1.0nm	31kn	280.0deg	997.0mbar	15C°	0.5m	135.0deg	13s

Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments
128.5deg		4398.00klb	3.0m	190.0deg	13s	mainly fine

Comments

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Pacific Battler		03.15 31.12.08	Alongside Portland

Bulks

Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
Rig Fuel	m3		6.6			396
Potable Water	m3	240	6			448
Drill Water	m3	214				266
Barite	Mt					
CEMENT G	Mt					
Bentonite	Mt					
Brine	m3					

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Pacific Valkyrie	03.11 31.12.08		On location Fermat -1

Bulks

Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
Rig Fuel	m3		13.4	100		309
Potable Water	Mt					394
Drill Water	m3			270	-20	270
Barite	Mt					42
Bentonite	Mt					
CEMENT G	Mt					65
Brine	m3			45.6		0

Helicopter Movement

Flight #	Company	Arr/Dep. Time	Pax In/Out	Comment
1	BRISTOW HELICOPTERS AUSTRALIA PTY LTD	1512 / 1521	1 / 7	Weatherford Casing Crew