Australian Drilling Associates Pty Ltd ADA

DRILLING MORNING REPORT # 12

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

Fermat-1

Well Data

Country	Australia	MDBRT	1478.0m	Cur. Hole Size	12.250in	AFE Cost	AUD$51,857,377
Field	Otway	TVDBRT	1477.3m	Last Casing OD	13.375in	AFE No.	07/002
Drill Co.	Seadrill	Progress	442.0m	Shoe TVDBRT	987.0m	Daily Cost	AUD$756,210
Rig	West Triton	Days from spud	8.00	Shoe MDBRT	987.0m	Cum Cost	AUD$17,758,527
Wtr Dpth (MSL)	39m	Days on well	12.00	FIT/LOT:	/ 1.80sg		
RT-MSL	38.00m	Planned TD MD	3640m	Current Op @ 0600	Drilling 12.25in hole At 06:00hrs TD 1563m		
RT-ML	77m	Planned TD TVDRT	3640m	Planned Op	Continue to drill 12.25in hole.		

Summary of Period 0000 to 2400 Hrs

Drilled 12.25in hole from 1037.0m to 1478.0m

HSE Summary

Events	Num. Events	Days Since	Descr.	Remarks
Abandon Drill	1	0 Days	Abandon rig drill.	All personnel mustered at life boats.
JSA	7	0 Days	JSA's conducted for the day.	
Pre-tour Meeting	4	0 Days	Safety Meeting.	Held Pretour and pre job safety meetings with crews.
PTW issued	4	0 Days	PTW issued for the day.	
Safety Meeting	2	1 Day	Weekly safety meeting.	
STOP Card	40	0 Days	Stop cards submitted for the day.	23 positive 17 negative
Time Out For Safety	2	0 Days	Review flash alert , wrist sprain	

Operations For Period 0000 Hrs to 2400 Hrs on 21 Dec 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P7	P	D2	0000	2400	24.00	1478.0m	Drilled 12.25in hole from 1037m to 1478m. RPM 100/150. GPM 800/900. SPP1800. Torque 2k. WOB 5/12

Operations For Period 0000 Hrs to 0600 Hrs on 22 Dec 2008

Phse	Cls (RC)	Op	From	To	Hrs	Depth	Activity Description
P7	P	D2	0000	0600	6.00	1563.0m	Continue to drill 12.25in hole from 1478.0m to 1563.0m.

Operations For Period Hrs to Hrs on

Phase Data to 2400hrs, 21 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)	71	19 Dec 2008	21 Dec 2008	288.00	12.000	1478.0m

General Comments

00:00 TO 24:00 Hrs ON 21 Dec 2008

Operational Comments	West Triton Rig Equipment Concerns 1) Cyber chair pressure gauges for the standpipe & choke manifolds require calibration. 2) Need new BOP test tool mandrel. Ordered on the 24/10/08. 3) 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	API FL:	6.2cc/30min	Cl:	43000mg/l	Solids(%vol):	5%
Sample-From:	6	Filter-Cake:	1/32nd"	K+C*1000:	20%	Low-Gravity Solids:	2.9%vol
Time:	20:45	HTHP-FL:		Hard/Ca:	240mg/l	H2O:	92%
Weight:	9.70ppg	HTHP-cake:		MBT:	25	Oil(%):	
Temp:	36C°			PM:	0.75	Sand:	
				PF:	0.14	pH:	9.5
						PHPA:	3ppb

Cost Today

Viscosity	76sec/qt
PV	12cp
YP	25lb/100ft²
Gels 10s	9
Gels 10m	14
Fann 003	7
Fann 006	9
Fann 100	31
Fann 200	43
Fann 300	61
Fann 600	73

Comment

Bit # 4

Wear	I	O1	D	L	B	G	O2	R

Bitwear Comments:

Size ("):	12.25in	IADC#	M432	**Nozzles**		**Drilled over last 24 hrs**		**Calculated over Bit Run**	
Mfr:	REED-HYCALOG	WOB(avg)	10.00klb	No.	Size	Progress	442.0m	Cum. Progress	452.0m
Type:	PDC	RPM(avg)	130	3	13/32nd"	On Bottom Hrs	17.6h	Cum. On Btm Hrs	18.6h
Serial No.:	212219	F.Rate	850gpm	3	14/32nd"	IADC Drill Hrs	17.6h	Cum IADC Drill Hrs	18.6h
Bit Model	RSR616M-A10	SPP	1800psi			Total Revs	144	Cum Total Revs	144
Depth In	1027.0m	HSI	5.26HSI			ROP(avg)	25.11 m/hr	ROP(avg)	24.30 m/hr
Depth Out		TFA	0.840						

Bit Comment

BHA # 4

Weight(Wet)	51.00klb	Length	151.4m	Torque(max)	5ft-lbs	D.C. (1) Ann Velocity	254fpm
Wt Below Jar(Wet)	34.00klb	String	179.00klb	Torque(Off.Btm)	3ft-lbs	D.C. (2) Ann Velocity	0fpm
		Pick-Up	189.00klb	Torque(On.Btm)	3ft-lbs	H.W.D.P. Ann Velocity	174fpm
		Slack-Off	181.00klb			D.P. Ann Velocity	174fpm

BHA Run Description

BHA Run Comment

Equipment	Length	OD	ID	Serial #	Comment
Bit	0.29m	12.25in		212219	
Near Bit Stab	2.08m	12.25in	2.88in	703984	
ARC8	5.92m	9.13in		1957	
Tele Scope	8.97m	11.75in		VR52	
SonicVISION 825	8.19m	11.25in		48648	
String Stabiliser	2.44m	12.19in	2.88in	OSS041163B	
Drill Collar	47.24m	8.25in	2.88in		
Drilling Jars	9.68m	8.00in		1762-1380	Jar hr's 60
Drill Collar	9.46m	8.25in	2.88in	5T8	
X/O	0.93m	8.25in	2.81in	SSSD7132	
HWDP	56.23m	5.50in	3.06in		

Survey

MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N/-S (m)	E/-W (m)	DLS (deg/30m)	Tool Type
			0.00	0.0	0.0	0.0	0.0	
			0.00	0.0	0.0	0.0	0.0	
1053.62	2.6	224.7	1053.40	-7.2	-7.2	-7.4	0.0	MWD
1053.62	2.6	224.7	1053.40	-7.2	-7.2	-7.4	0.0	MWD
1083.09	2.6	225.9	1082.84	-8.2	-8.2	-8.4	0.0	MWD
1083.09	2.6	225.9	1082.84	-8.2	-8.2	-8.4	0.2	MWD
1112.27	2.8	224.7	1111.99	-9.1	-9.1	-9.3	0.0	MWD
1112.27	2.8	224.7	1111.99	-9.1	-9.1	-9.3	0.7	MWD
1141.71	2.6	224.0	1141.39	-10.1	-10.1	-10.3	0.0	MWD

Survey

MD (m)	Incl (deg)	Azim (deg)	TVD (m)	Vsec (deg)	N/-S (m)	E/-W (m)	DLS (deg/30m)	Tool Type
1141.71	2.6	224.0	1141.39	-10.1	-10.1	-10.3	0.7	MWD
1171.39	2.7	233.4	1171.04	-11.0	-11.0	-11.3	1.5	MWD
1200.78	2.6	223.8	1200.40	-11.9	-11.9	-12.4	1.5	MWD
1230.79	2.7	225.2	1230.38	-12.9	-12.9	-13.3	0.4	MWD
1319.00	2.7	226.9	1318.49	-15.8	-15.8	-16.3	0.1	MWD
1407.00	2.9	229.0	1406.39	-18.7	-18.7	-19.5	0.3	MWD
1495.00	3.0	228.3	1494.27	-21.6	-21.6	-22.9	0.1	MWD

Bulk Stocks

Name	Unit	In	Used	Adjust	Balance
Drill Water	MT	200	116	0	443.0
Rig Fuel	m3	98	17	0	288.0
POTABLE WATER	MT	15	19	1	351.0
Cement class G	MT	0	0	0	131.0
BLENDED CEMENT	MT	0	0	0	0.0
Bentonite	MT	0	0	0	42.0
Barite	MT	0	6	0	138.0
Brine	m3	53	110	0	68.0
Helifuel	ltr	0	0	0	5,157.0

Pumps

Pump Data - Last 24 Hrs

No.	Type	Liner (in)	MW (ppg)	Eff (%)	SPM (SPM)	SPP (psi)	Flow (gpm)
1	National / 14 P-220	6.50	80.11	97	70	1800	800
2	National / 14 P-220	6.50	80.11	97	70	1800	800
3	National / 14 P-220						

Slow Pump Data

Depth (m)	SPM1 (SPM)	SPP1 (psi)	Flow1(gpm)	SPM2 (SPM)	SPP2 (psi)	Flow2 (gpm)	SPM3 (SPM)	SPP3 (psi)	Flow3 (gpm)
1353.0	30	200	175	40	240	233	50	320	292
1353.0	30	200	175	40	240	240	50	320	320

Casing

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

Personnel On Board

Company	Pax
ADA	4
Seadrill	12
Catering	9
Seadrill Services	32
Tamboritha	2
Halliburton	2
Halliburton - Cementing	2
Baker Hughes Inteq	6
Beach Petroleum Ltd	2
Schlumberger MWD/LWD	3
Total	74

Mud Volumes, Mud Losses and Shale Shaker Data

Engineer :

Available	1479.0bbl	Losses	389.0bbl
Active	327.0bbl	Downhole	
Mixing	450.0bbl	Surf+ Equip	389.0bbl
Hole	685.0bbl	Dumped	
Slug	17.0bbl	De-Gasser	
Reserve		De-Sander	
Kill		De-Silter	
		Centrifuge	

Equipment	Description	Mesh Size	Comments

Marine

Weather on 21 Dec 2008

Visibility	Wind Speed	Wind Dir.	Pressure	Air Temp.	Wave Height	Wave Dir.	Wave Period
1.0nm	35kn	0.0deg	994.0mbar	25C°	1.0m	135.0deg	13s

Rig Dir.	Ris. Tension	VDL	Swell Height	Swell Dir.	Swell Period	Weather Comments
128.5deg		2285.00klb	1.0m	190.0deg	13s	mainly fine

Comments

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Pacific Battler	20/12/08		On location Fermat-1

Bulks

Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
Rig Fuel	m3		2.5			465
Potable Water	m3		3			278
Drill Water	m3					16
Barite	Mt					
CEMENT G	Mt			84		
Bentonite	Mt			25		17
Brine	m3					

Vessel Name	Arrived (Date/Time)	Departed (Date/Time)	Status
Pacific Valkyrie		18/12/08	On location Fermat-1

Bulks

Item	Unit	In	Used	Transfer to Rig	Adjust	Quantity
Rig Fuel	m3		3.3	100		285.3
Potable Water	Mt		5			446
Drill Water	m3			200		533
Barite	Mt					42
Bentonite	Mt					
CEMENT G	Mt					