

Drilling

DETAILED DAILY REPORT
West Moonfish 1Company Use Only
05-Feb-2005

DRS Well ID: WM1	AFE L6101E001	Planned		Actual
Units : Mixed Oilfield	MD	m: 3438.00		3230.00
Office : Australia SE	TVD	m: 3149.00		3035.00
Client : ExxonMobil Exploration	Days			
Drill Team : Australia Offshore	- if Dry :	47.0		
	- if Suspended:	47.0		
Budget Cat : WILDCAT--PRODUCTIVE AND DRY HO	- to Complete :	.0		
Contractor : Ensco	- Susp + Comp :	47.0		40.0
Rig Name : Ensco 102	- Ahead/Behind:			N/A
Operator : Esso Aus Res	- from Spud :			30.2
Field : Gippsland Basin	Spud Date :	05-Jan-2005		
Country : Australia	Progress m:	206.00		
Latitude : 38d 9' 0" South	Drilling Hours :	16.25		
Longitude : 147d 58' 41" East	ROP m/hr:	12.68		
Water Depth: 52.00 m	Percentage NPT :	23.9		
RKB Height : 39.24 m	Depth Reference:	Rig Floor (RKB)		
Ground Elev: .00 m				
Phone : 61 3 5142 2880				

Superintendents : F.W. Kratzer
T.J. Paltridge

Engineers : C. MacDonald
C.P. Meakin

Formation Desc : Sub Remora Volcanics 2724 m MDRT
Deepest Casing Run: 9.625 inches at 2526.87 MD, 2435.06 TVD
Leakoff Test : 16.60 ppg

Current: Drilling

Planned: Drill to TD, (3370m MD). Wiper Trip, Circ & Cond, POOH to run Logs

Start	Elpsd	End MD	Description
00:00	1.50	3024.00	TRIP Pick up or make up string, BHA, or tools -- Download MWD and program same. Install radioactive source.
01:30	.50	3024.00	TRIP Pick up or make up string, BHA, or tools -- TIH to 92 m and shallow test MWD - OK.
02:00	.50	3024.00	TRIP Pick up or make up string, BHA, or tools -- Continue TIH with BHA to 326 m.
02:30	5.00	3024.00	TRIP Pick up or make up string, BHA, or tools -- TIH to 2995m, hole in Good Condition. Fill pipe every 15 stds.
07:30	.25	3024.00	DRLG Precautionary wash & ream from 2995m to 3024m, 100 RPM 104 SPM, 3100 psi. No Fill.
07:45	16.25	3024.00	DRLG Drill 8-1/2" hole with PDC bit from 3024m to 3230m. Avg ROP 17.2 m/hr. Attempt to slide @ 3085m without success. AGS in full gauge open position since 3160m to ctrl build.
			WOB 10-25 klbs, 175 RPM @ 605 gpm, Surf RPM 110-120, 3050-3610 psi.
			Max Gas 250 units @ 3089m, Avg BG 30 units.

218 KRevs, Bit Hrs (On Btm) 12.0, Mtr 206m

Total 24.00

===== REMARKS =====

STOP / SOC Observation Cards: 59

Total Proactive Safety Efforts: 134

Conductor tensioner frame tension - 280 kips

Pretour Safety Meetings - Drilling, Well Ctrl, 3rd Party Participation in
Safety, Work Boat, JSA's & Stepback 5x5

Days since last LTI: 881

Days since Last TRI: 9 (27-Jan-05)

Equipment Down: Deep well pumps #2 & #4.

Activity to 0500 hrs 05 Feb 05

0000 - 0500

Drill 8-1/2" hole with PDC bit from 3230m to 3260m

===== INSPECTIONS, DRILLS, AND CITATIONS =====

	Occurred?	Count	Most Recently Reported
BOP Control Function Test (BCFT)	No		04-Feb-2005
BOP Pressure Test	No		26-Jan-2005
Fire Drill	No		31-Jan-2005
Abandon Ship Drill	No		31-Jan-2005
Operations Superintendent Inspection	No		25-Jan-2005
Regulatory Agency Citation	No		
BOP Drill (Pit or Trip Drill)	Yes	2	04-Feb-2005
BOP System Inspection (Minicheck)	Yes	2	04-Feb-2005

===== PERSONNEL =====

Personnel : Mike Power

Supervisors : Bain, Roger L.

Morris, Ross B.

Total Head Count: 85

Total Hours : 1020.00

===== HEAD COUNTS =====

Contractor	58	ExxonMobil	3
Contractor Short Service (SSE)	0	Service Company	24

===== MANAGEMENT SUMMARY =====

Fin download MWD & program same. Install RA source. TIH to 92m - shallow test
MWD - OK. TIH, NC/TD - 40 secs. Drill 8-1/2" hole with PDC bit from 3024m to
3230m. NC/UPD-45 sec.

===== COST DATA (Australian Dollar) =====

	AFE		Intangible	Tangible	Total	Mud
Dry	: 21,400,000	Daily	307,134	0	307,134	10,833
Susp	: 21,400,000	Cum Mbl	0	0	0	0
Comp	: 0	Cum Drl	14,424,002	593,640	15,017,642	381,678
Total:	21,400,000	Cum Comp	0	0	0	0
		Cum W/O	0	0	0	0
Exc	: 1.33330/US\$	Cum AFE	14,424,002	593,640	15,017,642	381,678

===== MUD REPORT =====

Time	23:00	Flowline Temp	67.0 deg C	% Solids	9.2
Mud Type	WBM	Filtrate	3.0 cc	% LGS	7.0
Sample From	Pit	Filter Cake	1.0 32nd"	% Sand	.20
		HTHP Temp	121.0 deg C	% Water	87.8
MD	3226.00 meters	Filtrate	12.0 cc	% Oil	.0

Density	10.20 ppg				
Viscosity	60 sec	Elec Stab	0 volts	Ca++	80
PV	25.0 cp	MBT	2.5 lb/bbl	Cl-	39000
YP	40.0 phsf	Excess Lime	.15 lb/bbl	CaCl2	0
Gels	9./ 14. phsf			pH	8.7
		Circ Volume	1669.3 barrel	Pf/Mf	.0/ .7
		Vol Hole Dr	47.4 barrel	Pm	.6

Rhe'try at 49.0 deg: 600/90 300/65 200/54 100/40 60/0 30/0 6/11 3/9

Dumped sand trap no#3. Sulfide = 0pp at the depth 3024m and 3226 m. Mud cleaner discharge = 10.65 ppg, 20 cones @ 26 psi. Treat mud with Baracor 129 after Trip and Added PHPA to maintain excess . And Glycol to maintain required concentration.

===== SOLIDS CONTROL =====

Hours on Centrifuge: .00 Dilution Rate: .00

===== SUPPLIES DATA =====

	Usage Receipts			Stock		Usage Receipts			Stock
Barite	110	0	2915	Fuel	13	0	287		
Cement	0	0	2911	Gel	0	0	209		
Cement Blend	0	0	2182	Potable Water	28	26	202		
Drill Water	9	0	576						

===== MUD ADDITIVES =====

Function	Name	Unit	Size	Amount
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===== BIT RECORD =====

Bit/Run				Depth	Rotary	Lng/Hour	Grade	Cost
Numbers	Size	Cd Mfg	Type	In	Length	Hours	Today	Cum

9 1	8.500	BT NLH	DSX173	3024.0	206.0	12.00	17.17	17.17
								493

===== HYDRAULICS =====

Pump	Displaces	Rate	Nozzle Sizes	20.0	20.0	20.0	Annular Velocities
	bbl/st	str/min	32nd"	18.0	18.0	.0	ft/min
1	.1390	52		.0	.0		DC (Max) 314.
2	.1390	0	Total Flow Area	1.4174	in2		DP (Min) 295.
3	.1390	52	Nozzle Velocity	41.89	m/sec		(Min OH) 314.
			Hole Diameter	8.500	inches		Riser (Min) 0.

Bit Pressure Drop 172 psi

Pump Rate 104 str/min 5 % of SPP

Flow Rate 607.15 gpm Impact Force 441 lbf

Pressure 3570 psi Hydraulic HP 1.076 hp/in2

===== SURVEYS =====

MD	Angle	Azimuth	TVD	Vert	Sec	N+/S-	E+/W-	Dogleg
3027.63	37.32	171.60	2872.92	-583.487	-	583.487	+ 65.655	1.024
3056.67	37.50	171.93	2895.98	-600.948	-	600.947	+ 68.182	.279
3086.05	37.34	171.98	2919.32	-618.624	-	618.624	+ 70.680	.165
3115.20	36.75	171.59	2942.58	-636.005	-	636.005	+ 73.189	.653
3143.56	36.84	172.02	2965.29	-652.818	-	652.818	+ 75.610	.288
3173.28	36.36	171.83	2989.15	-670.362	-	670.362	+ 78.099	.498
3202.29	35.86	171.78	3012.59	-687.283	-	687.284	+ 80.536	.518

===== WELL CONTROL =====

Pump	Rate	Pressure	MD		
	str/min	psi	meters	Burst (70%)	4806 psi
1	30	560	3110.00	Formation Strength	16.60 ppg
2	0	0	3110.00	Kick Tolerance	4.95 ppg
3	40	800	3110.00	Pore Pressure	8.80 ppg

MASP

2659 psi

Density	10.20	ppg	Background Gas	30.0
ECD	11.12	ppg	Connection Gas	.0
at	3230.00	meters	Trip Gas	.0
with bit at	3229.97	meters		

===== DRILL STRING =====

Date Run:	4-Feb-05	Date Pulled:	Length of BHA	:	326.420
Time Run:	01:00	Time Pulled:	BHA Weight in Air	:	55.0
Depth In:	3024.00	Depth Out :	Above Jars:	:	40.0
			Below Jars:	:	15.0
			In Mud	:	46.5

8½" DSX173 PDC Bit, 1.15°Mud Motor, ADOS, AGS, Pony NMDC, XO, GVR, MWD, ADN, 3
x HWDP, Jars, 27 x HWDP

Tp	OD	ID	Connections		Nom Wt/Len	Stab Blade		Length		Section Length	
			Grd	Size		Type	OD In	OD Out	To Ctr Bend		
DP	5.000	4.276	S135	4.500	IF	19.5				2903.590	
HW	5.000	3.000	????	4.500	IF	50.0				253.290	
JR	6.250	2.750	????	4.500	IF	.0				9.730	
HW	5.000	3.000	????	4.500	IF	50.0				28.240	
LW	6.188	2.250	????	5.500	FH	50.0				6.240	
MW	6.750	2.250	????	5.500	FH	50.0	.000	.000	.000	8.380	
LW	6.188	2.250	????	5.500	FH	50.0				3.080	
XO	7.000	2.375	????	4.500	REG	50.0				.580	
ND	6.180	2.875	????	4.500	IF	50.0				3.610	
ST	7.875	3.000	????	4.500	IF	50.0	8.500	.000	.000	3.230	
OT	6.875	2.313	????	4.500	IF	50.0				.800	
MM	6.625	2.313	????	4.500	IF	50.0	8.375	.000	.000	.00	8.980
BT	8.500	2.000	????	4.500	REG	50.0				.250	

===== DAILY DRILL STRING =====

		Weights		Torques		Cumulative Time On
WOB	12	Pick-up	360	Off-TD	7.0	BHA 136.15
RPM	120	Slack-off	290	On-TD	9.5	Shock Sub .00
		Off-TD, Rotating	320			Jars 136.15

===== CASING =====

Section	O.D.	Grade	Wt/Lng	Thread	Joints	Top	Bottom
1	20.000	X56	202.900	ALT2	1	16.21	27.87
2	20.000	X56	129.300	RL4S	11	27.87	155.35
3	13.375	L80	68.000	BTC	60	15.50	755.42
4	9.625	L80	47.000	LTC	207	14.72	2526.87

*** End 05-Feb-2005 report for WM1

Run 04-Feb-2005 12:38 Central Time