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Drilling

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

DRS Well ID: WM1	AFE L6101E001	Planned	Actual
Units : Mixed Oilfield	MD	m: 3438.00	2844.00
Office : Australia SE	TVD	m: 3149.00	2719.00
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	36.0
Rig Name : Ensco 102	- Ahead/Behind:		N/A
Operator : Esso Aus Res	- from Spud :		26.2
Field : Gippsland Basin	Spud Date :	05-Jan-2005	
Country : Australia	Progress m:		76.00
Latitude : 38d 9' 0" South	Drilling Hours :		24.00
Longitude : 147d 58' 41" East	ROP m/hr:		3.17
Water Depth: 52.00 m	Percentage NPT :		26.5
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 : Top Golden Beach Group 2715 m MDRT
Deepest Casing Run: 9.625 inches at 2526.87 MD, 2435.06 TVD
Leakoff Test : 16.60 ppg

Current: Drilling
Planned: Drill, Trip for Bit & Motor

Start Elpsd	End MD	Description
00:00 24.00	2844.00	DRLG Drill 8-1/2" hole from 2768m to 2844m. WOB 30 -45, 645 gpm, SPP 2850 psi, 110 rpm. ROP 2-22 m/hr, Avg ROP 3.5 m/hr. Max Gas 41 units

KREVs = 296, On Btm Hrs = 43.66

Total 24.00

===== REMARKS =====

STOP / SOC Observation Cards: 50

Total Proactive Safety Efforts: 143

Conductor tensioner frame tension - 280 kips

Pretour Safety Meetings - Well Control, Job Planning, Drilling & Preparing for trip, Housekeeping, JSA's & Stepback 5x5

Days since last LTI: 877

Days since Last TRI: 5 (27-Jan-05)

Equipment Down: Deep well pumps #2 & #4

Activity to 0500 hrs 01 Feb 05

0000 - 0500

Drill from 2844m to 2860m MD/2734m TVD

On Btm Hrs: 48.7 KRevs: 330

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

	Occurred?	Count	Most Recently Reported
BOP Control Function Test (BCFT)	No		26-Jan-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 30-Jan-2005
 BOP System Inspection (Minicheck) Yes 2 30-Jan-2005

===== PERSONNEL =====

Personnel : C Noll
 Supervisors : Bain, Roger L.
 Steel, Barry J.

Total Head Count: 77
 Total Hours : 924.00

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

Contractor 57 ExxonMobil 3
 Contractor Short Service (SSE) 0 Service Company 17

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

Drill 8-1/2" hole from 2768m to 2844m.

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

AFE	Intangible	Tangible	Total	Mud
Dry : 21,400,000	Daily 303,192	0	303,192	7,841
Susp : 21,400,000	Cum Mbl 0	0	0	0
Comp : 0	Cum Drl 13,114,000	593,640	13,707,640	355,423
Total: 21,400,000	Cum Comp 0	0	0	0
	Cum W/O 0	0	0	0
Exc : 1.33330/US\$	Cum AFE 13,114,000	593,640	13,707,640	355,423

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

Time 23:00	Flowline Temp 67.0 deg C	% Solids 8.9
Mud Type WBM	Filtrate 3.2 cc	% LGS 8.0
Sample From Pit	Filter Cake 1.0 32nd"	% Sand .30
	HTHP Temp 121.0 deg C	% Water 88.0
MD 2838.00 meters	Filtrate 10.6 cc	% Oil .0
Density 10.00 ppg		
Viscosity 57 sec	Elec Stab 0 volts	Ca++ 80
PV 21.0 cp	MBT 2.5 lb/bbl	Cl- 40000
YP 39.0 phsf	Excess Lime .12 lb/bbl	CaCl2 0
Gels 10./ 13. phsf		pH 9.0
	Circ Volume 1462.3 barrel	Pf/Mf .0/ .8
	Vol Hole Dr 17.5 barrel	Pm .5

Rhe'try at 49.0 deg: 600/81 300/60 200/51 100/37 60/0 30/0 6/11 3/8

Added Baracor 129 and Caustic Soda every 4 hours.Dilute premix with Brine and drill water to reduce Barazan and Fluids Loss and fluids loss addhettive as active properties.

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

Hours on Centrifuge: .00 Dilution Rate: .00

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

Usage	Receipts	Stock	Usage	Receipts	Stock
Barite 0	0	3025	Fuel 12	0	325
Cement 563	0	2911	Gel 0	0	209
Cement Blend 753	0	2182	Potable Water 7	0	207
Drill Water 0	141	692			

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

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

Bit/Run	Size	Cd	Mfg	Type	Depth	Rotary	Lng/Hour	Grade	Cost	
Numbers					In	Length	Hours	Today	Cum	
								T	B G	
7 1	8.500	BT	HC	MX30DX	2688.0	156.0	43.66	3.57	3.57	1213

===== HYDRAULICS =====

Pump	Displaces	Rate	Nozzle	Sizes	24.0	24.0	24.0	Annular	Velocities
	bbl/st	str/min		32nd"	.0	.0	.0		ft/min
1	.1390	0			.0	.0		DC (Max)	339.
2	.1390	56		Total Flow Area	1.3254	in2		DP (Min)	318.
3	.1390	56		Nozzle Velocity	48.24	m/sec		(Min OH) *****	
				Hole Diameter	8.500	inches		Riser (Min)	0.
				Bit					

Pump Rate 112 str/min Pressure Drop 226 psi
 Flow Rate 653.86 gpm 8 % of SPP
 Impact Force 542 lbf
 Pressure 2850 psi Hydraulic HP 1.522 hp/in2

===== SURVEYS =====

MD	Angle	Azimuth	TVD	Vert Sec	N+/S-	E+/W-	Dogleg
2766.75	25.60	177.87	2648.92	-452.385	- 452.385	+ 56.101	.333
2795.87	25.09	178.27	2675.24	-464.843	- 464.843	+ 56.521	.554
2824.87	24.62	179.06	2701.55	-477.028	- 477.028	+ 56.806	.595

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

Pump	Rate	Pressure	MD	Burst (70%)	
	str/min	psi	meters		
1	0	0	.00	Formation Strength	4806 psi
2	30	460	2844.00	Kick Tolerance	16.60 ppg
3	40	630	2844.00	Pore Pressure	5.60 ppg
				MASP	8.50 ppg
					2700 psi

Density 10.10 ppg Background Gas 7.0
 ECD 10.99 ppg Connection Gas .0
 at 2844.00 meters Trip Gas .0
 with bit at 2843.78 meters

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

Date Run:	29-Jan-05	Date Pulled:	Length of BHA	: 320.870
Time Run:	15:00	Time Pulled:	BHA Weight in Air	: 52.0
Depth In:	2688.00	Depth Out :	Above Jars:	44.0
			Below Jars:	42.0
			In Mud :	10.0

8½" MX30D HC TCI Bit, 8½" NB Stab, Pony NMDC, AGS, Pony NMDC, XO, GVR, MWD, ADN, 3 x HWDP, Jars, 27 x HWDP

TP	OD	ID	Grd	Connections	Nom	Stab Blade	Length	Section
				Size	Type	Wt/Len	OD In	OD Out
DP	5.000	4.276	S135	4.500	IF	19.5		
HW	5.000	3.000	????	4.500	IF	50.0		
JR	6.250	2.750	????	4.500	IF	.0		
HW	5.000	3.000	????	4.500	IF	50.0		
LW	6.188	2.250	????	5.500	FH	50.0		
MW	6.750	2.250	????	5.500	FH	50.0	.000	.000
LW	6.188	2.250	????	5.500	FH	50.0		
XO	7.000	2.375	????	4.500	REG	50.0		
ND	6.180	2.875	????	4.500	IF	50.0		
ST	7.875	3.000	????	4.500	IF	50.0	8.500	.000
ND	6.188	2.875	????	4.500	IF	50.0		
ST	6.500	2.313	????	4.500	IF	50.0	.000	.000
BT	8.500	2.000	????	4.500	REG	50.0		

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

	Weights	Torques	Cumulative Time On
WOB 38	Pick-up	320	Off-TD 4.2 BHA 87.91
RPM 110	Slack-off	270	On-TD 5.3 Shock Sub .00
	Off-TD, Rotating	305	Jars 87.91

===== 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 01-Feb-2005 report for WM1

Run 31-Jan-2005 15:04 Central Time