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## Drilling

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

DRS Well ID: WM1	AFE L6101E001	Planned	Actual
Units : Mixed Oilfield	MD	m: 3438.00	2866.00
Office : Australia SE	TVD	m: 3149.00	2739.00
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	37.0
Rig Name : Ensco 102	- Ahead/Behind:		N/A
Operator : Esso Aus Res	- from Spud :		27.2
Field : Gippsland Basin	Spud Date :	05-Jan-2005	
Country : Australia	Progress m:		22.00
Latitude : 38d 9' 0" South	Drilling Hours :		7.00
Longitude : 147d 58' 41" East	ROP m/hr:		3.14
Water Depth: 52.00 m	Percentage NPT :		25.9
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 : 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: TIH with Dir Assy

Planned: Serv Top Drive, C/O swivel packing, Finish trip in hole, Drill &amp; Slide.

Start	Elpsd	End MD	Description
00:00	7.00	2866.00	DRLG Drill 8-1/2" hole from 2844m to 2866m. WOB 30-45, 645 gpm, SPP 2850 psi, 110 rpm. ROP 2-22 m/hr, Avg ROP 3.5 m/hr.
			KREVs = 342, On Btm Hrs = 50.5
07:00	.75	2866.00	CIRC Circulate hole clean @ 2688m.
07:45	1.25	2866.00	TRIP Pull string out of hole -- Flow Check - Static. POOH 5 stds - no excess drag. Pump slug. POOH to 9-5/8" shoe @ 2527m. Hole good - no excess drag.
09:00	4.00	2866.00	TRIP Pull string out of hole -- Flow check well inside 9-5/8" csg - Static. Continue to POOH to BHA @ 320m.
13:00	1.00	2866.00	TRIP Pull string out of hole -- Flow Check @ BHA - Static. POOH to 29m.
14:00	2.00	2866.00	TRIP Break and lay down string, BHA or tools -- Anadrill retrieve radioactive source and download MWD tools.
16:00	.50	2866.00	TRIP Break and lay down string, BHA or tools -- Continue to POOH with BHA. L/D Bit, NB Stab & pony collar.
16:30	1.00	2866.00	TRIP Pick up or make up string, BHA, or tools -- P/U 1.15° mud motor & New Bit - STC Model GF11Y.
17:30	2.25	2866.00	TRIP Pick up or make up string, BHA, or tools -- Shallow test Mud Motor & AGS @ 600 gpm - AGS colsed @ 900 psi & opened @ 1300 psi. Orient motor & ADN tool. Install RA source.
19:45	.50	2866.00	TRIP Pick up or make up string, BHA, or tools -- Shallow

test MWD tools @ 600 gpm @ 1450 psi. Install PS21  
slips.

20:15 .75 2866.00 TRIP Pick up or make up string, BHA, or tools -- Continue  
in hole with BHA to 326m.

21:00 3.00 2866.00 TRIP Run string in hole -- TIH w/Dir assy on 5" drill pipe.  
Total 24.00

===== REMARKS =====

STOP / SOC Observation Cards: 57

Total Proactive Safety Efforts: 131

Conductor tensioner frame tension - 280 kips

Pretour Safety Meetings - M/U & Handling Drillpipe & BHA, Windy Conds, Drilling,  
Housekeeping, JSA's & Stepback 5x5

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Days since last LTI: 878

Days since Last TRI: 6 (27-Jan-05)

Equipment Down: Deep well pumps #2 & #4  
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Activity to 0500 hrs 02 Feb 05

0000 - 0500

TIH to Shoe, C/O Swivel Packing, Serv Top Drive, TIH - (Hole Good), Slide from  
2866m to 2877m

===== 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	01-Feb-2005
BOP System Inspection (Minicheck)	Yes	2	01-Feb-2005

===== PERSONNEL =====

Personnel : C Noll

Supervisors : Bain, Roger L.  
Steel, Barry J.

Total Head Count: 75

Total Hours : 900.00

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

Contractor	57	ExxonMobil	3
Contractor Short Service (SSE)	0	Service Company	15

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

Drill 8-1/2" hole from 2844m to 2866m. Circ hole clean. POOH for bit & motor.  
P/U new Bit & Motor. Orient MWD & Load RA source. Surf Test Tools. TIH to shoe

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

	AFE	Intangible	Tangible	Total	Mud
Dry : 21,400,000	Daily	319,092	0	319,092	2,428
Susp : 21,400,000	Cum Mbl	0	0	0	0
Comp : 0	Cum Drl	13,433,092	593,640	14,026,732	357,851
Total: 21,400,000	Cum Comp	0	0	0	0
	Cum W/O	0	0	0	0
Exc : 1.33330/US\$	Cum AFE	13,433,092	593,640	14,026,732	357,851

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

Time	22:00	Flowline Temp	.0 deg C	% Solids	8.4
Mud Type	WBM	Filtrate	3.6 cc	% LGS	.0
Sample From	Pit	Filter Cake	1.0 32nd"	% Sand	.15
		HTHP Temp	121.0 deg C	% Water	88.5
MD	2866.00 meters	Filtrate	10.8 cc	% Oil	.0
Density	10.00 ppg				
Viscosity	57 sec	Elec Stab	0 volts	Ca++	0
PV	19.0 cp	MBT	2.5 lb/bbl	Cl-	40000
YP	38.0 phsf	Excess Lime	.09 lb/bbl	CaCl2	0
Gels	9./ 13. phsf			pH	9.0
		Circ Volume	1381.4 barrel	Pf/Mf	.0/ .8
		Vol Hole Dr	5.1 barrel	Pm	.4

Rhe'try at 49.0 deg: 600/76 300/57 200/48 100/35 60/0 30/0 6/11 3/9

While Tripping check sandtrap and repaired and patch up the broken screen

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

Hours on Centrifuge: .00 Dilution Rate: .00

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

	Usage	Receipts	Stock		Usage	Receipts	Stock
Barite	0	0	3025	Fuel	3	0	322
Cement	0	0	2911	Gel	0	0	209
Cement Blend	0	0	2182	Potable Water	33	28	202
Drill Water	59	0	633				

===== 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
7 1	8.500	BT	HC	MX30DX	2688.0	178.0	50.50	3.22	3.52
8 1	8.500	BT	STC	GF11Y	2866.0	.0	.00	.00	.00

===== 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)	314.
2	.1390	52		Total Flow Area	1.3254	in2		DP (Min)	295.
3	.1390	52		Nozzle Velocity	44.80	m/sec		(Min OH)	314.
				Hole Diameter	8.500	inches		Riser (Min)	0.

			Bit						
			Pressure Drop	195	psi				
Pump Rate	104	str/min				7	% of SPP		
Flow Rate	607.15	gpm		Impact Force	467	lbf			
Pressure	2850	psi		Hydraulic HP	1.218	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		
	str/min	psi	meters		
1	0	0	.00	Burst (70%)	4806 psi
2	30	460	2844.00	Formation Strength	16.60 ppg
3	40	630	2844.00	Kick Tolerance	5.55 ppg
				Pore Pressure	8.50 ppg
				MASP	2700 psi

				Background Gas	7.0
Density	10.10	ppg		Connection Gas	.0
ECD	10.93	ppg		Trip Gas	.0
at	2866.00	meters			
with bit at	2865.73	meters			

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

Date Run:	29-Jan-05	Date Pulled:	1-Feb-05	Length of BHA	: 320.870
Time Run:	15:00	Time Pulled:	13:30	BHA Weight in Air	: 52.0
Depth In:	2688.00	Depth Out	: 2866.00	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

Connections	Nom	Stab Blade	Length	Section							
Tp	OD	ID	Grd	Size	Type	Wt/Len	OD In	OD Out	To Ctr	Bend	Length
DP	5.000	4.276	S135	4.500	IF	19.5					2545.130
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
ND	6.188	2.875	????	4.500	IF	50.0					2.490
ST	6.500	2.313	????	4.500	IF	50.0	.000	.000	.000		1.760
BT	8.500	2.000	????	4.500	REG	50.0					.240

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

Date Run:	1-Feb-05	Date Pulled:		Length of BHA	: 326.410
Time Run:	18:30	Time Pulled:		BHA Weight in Air	: 55.0
Depth In:	2866.00	Depth Out	:	Above Jars:	40.0
				Below Jars:	15.0
				In Mud	: 46.5

8½" GF11Y STC TCI Bit, 1.15°Mud Motor, ADOS, AGS, Pony NMDC, XO, GVR, MWD, ADN, 3 x HWDP, Jars, 27 x HWDP

TP	OD	ID	Grd	Connections Size Type	Nom Wt/Len	Stab Blade OD In OD Out	Length To Ctr Bend	Section Length
DP	5.000	4.276	S135	4.500 IF	19.5			2539.600
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	.000	.000 .000 .00	8.980
BT	8.500	2.000	????	4.500 REG	50.0			.240

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

		Weights		Torques		Cumulative Time On
WOB	35	Pick-up	320	Off-TD	4.2	BHA 94.75
RPM	110	Slack-off	275	On-TD	5.2	Shock Sub .00
		Off-TD, Rotating	295			Jars 94.75

===== 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 02-Feb-2005 report for WM1

Run 01-Feb-2005 15:15 Central Time