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Drilling

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

DRS Well ID: WM1	AFE L6101E001	Planned	Actual
Units : Mixed Oilfield	MD	m: 3438.00	3024.00
Office : Australia SE	TVD	m: 3149.00	2870.00
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	39.0
Rig Name : Ensco 102	- Ahead/Behind:		N/A
Operator : Esso Aus Res	- from Spud :		29.2
Field : Gippsland Basin	Spud Date :	05-Jan-2005	
Country : Australia	Progress m:		58.00
Latitude : 38d 9' 0" South	Drilling Hours :		13.00
Longitude : 147d 58' 41" East	ROP m/hr:		4.46
Water Depth: 52.00 m	Percentage NPT :		24.5
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 : 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: Download MWD tool

Planned: Download MWD, Install RA source, TIH, Drill to TD

Start	Elpsd	End MD	Description
00:00	13.00	3024.00	DRLG Drill & Slide from 2966m to 3024m.
			WOB 35-40 klbs, 175 RPM @ 605 gpm, Surf RPM 85-120, 3050 psi.
			Max Gas 539 units @ 2989m, Avg BG 15 units.
			414 KRevs, Bit Hrs (On Btm) 29.9
			Rotate 50m // 10.25 hrs
			Slide 8m // 1.5 hrs
13:00	1.50	3024.00	CIRC Circ hole clean with 2 btms up while rotating pipe @ 120 RPM & 605 gpm.
14:30	.25	3024.00	TRIP Pull string out of hole -- Flow check - Static.
14:45	1.50	3024.00	TRIP Pull string out of hole -- POOH 5 stds - Pump Slug & continue POOH to 9-5/8" casing shoe @ 2526m.
16:15	.25	3024.00	TRIP Pull string out of hole -- Flow check @ 9-5/8" shoe - Static.
16:30	3.50	3024.00	TRIP Pull string out of hole -- Continue POOH to 355m
20:00	.25	3024.00	TRIP Pull string out of hole -- Flow check - Static.
20:15	.25	3024.00	BOP Function BOP & circ thru choke lines.
20:30	1.00	3024.00	RIG Service & inspect Top Drive, traveling assy & PRS.
21:30	1.00	3024.00	TRIP Break and lay down string, BHA or tools -- Continue POOH with BHA to 35m
22:30	.50	3024.00	TRIP Break and lay down string, BHA or tools -- Anadril remove radioactive source from ADN tool.
23:00	.25	3024.00	TRIP Break and lay down string, BHA or tools -- Finish POOH. L/D bit.

23:15 .50 3024.00 TRIP Pick up or make up string, BHA, or tools -- Make up
new PDC bit - Reed Hycalog DSX173D. Test AGS @ 600 gpm
1000 psi - tool closed. At 1300 psi tool open.
Functioned blind rams while out of hole.

23:45 .25 3024.00 TRIP Pick up or make up string, BHA, or tools -- Download
MWD

Total 24.00

===== REMARKS =====

STOP / SOC Observation Cards: 81

Total Proactive Safety Efforts: 140

Conductor tensioner frame tension - 280 kips

Pretour Safety Meetings - Tripping, RA Source, 3rd Party, Short Change, JSA's &
Stepback 5x5

Days since last LTI: 880

Days since Last TRI: 8 (27-Jan-05)

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

Activity to 0500 hrs 04 Feb 05

0000 - 0500

Download MWD, program MWD, Install RA source, TIH (@ 1755m).

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

	Occurred?	Count	Most Recently Reported
BOP Control Function Test (BCFT)	Yes		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	03-Feb-2005
BOP System Inspection (Minicheck)	Yes	2	03-Feb-2005

===== PERSONNEL =====

Personnel : Mike Power
Supervisors : Bain, Roger L.
Morris, Ross B.

Total Head Count: 82

Total Hours : 984.00

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

Contractor	57	ExxonMobil	3
Contractor Short Service (SSE)	0	Service Company	22

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

Drill & Slide from 2966m to 3024m. Circ hole clean. Flow Check - POOH 5 stds,
flow check, pump slug, POOH to shoe - flow check. BCFT. POOH. Remove RA source,
M/U PDC bit, download MWD. DC/TD-38 secs

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

	AFE	Intangible	Tangible	Total	Mud
Dry : 21,400,000	Daily	378,870	0	378,870	4,389
Susp : 21,400,000	Cum Mbl	0	0	0	0
Comp : 0	Cum Drl	14,116,868	593,640	14,710,508	370,845
Total: 21,400,000	Cum Comp	0	0	0	0
	Cum W/O	0	0	0	0
Exc : 1.33330/US\$	Cum AFE	14,116,868	593,640	14,710,508	370,845

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

Time	22:00	Flowline Temp	.0 deg C	% Solids	9.4
Mud Type	WBM	Filtrate	3.4 cc	% LGS	8.0
Sample From	Pit	Filter Cake	1.0 32nd"	% Sand	.15
		HTHP Temp	121.0 deg C	% Water	87.6
MD	.00 meters	Filtrate	12.0 cc	% Oil	.0
Density	10.20 ppg				
Viscosity	62 sec	Elec Stab	0 volts	Ca++	80
PV	22.0 cp	MBT	2.5 lb/bbl	Cl-	39000
YP	46.0 phsf	Excess Lime	.15 lb/bbl	CaCl2	0
Gels	10./ 15. phsf			pH	8.7
		Circ Volume	1475.8 barrel	Pf/Mf	.0/ .6

Vol Hole Dr 13.4 barrel Pm .6
 Rhe'try at 49.0 deg: 600/90 300/68 200/56 100/42 60/0 30/0 6/12 3/10
 Add Batercide and Increase pH and residual Sulfide prior to bit Trip. Increase
 Weight of Slug prior to bit trip. Sulfide =0 ppm at @ 3016 m.

===== SOLIDS CONTROL =====
 Hours on Centrifuge: .00 Dilution Rate: .00

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

	Usage	Receipts	Stock		Usage	Receipts	Stock
Barite	0	0	3025	Fuel	16	0	300
Cement	0	0	2911	Gel	0	0	209
Cement Blend	0	0	2182	Potable Water	22	27	204
Drill Water	27	0	585				

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

Function	Name	Unit	Size	Amount

===== BIT RECORD =====

Bit/Run	Size	Cd	Mfg	Type	Depth	Rotary	Lng/Hour	Grade	Cost
Numbers					In	Length	Hours	Today	Cum
8 1	8.500	BT	STC	GF11Y	2866.0	158.0	29.90	5.13	5.28

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

Bit
 Pressure Drop 197 psi
 Pump Rate 104 str/min 6 % of SPP
 Flow Rate 607.15 gpm Impact Force 472 lbf
 Pressure 3100 psi Hydraulic HP 1.230 hp/in2

===== SURVEYS =====

MD	Angle	Azimuth	TVD	Vert Sec	N+/S-	E+/W-	Dogleg
2969.76	36.72	171.96	2826.62	-549.078	- 549.078	+ 61.031	1.842
2998.29	36.71	172.92	2849.49	-565.986	- 565.985	+ 63.275	.603

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

Pump	Rate	Pressure	MD	Burst (70%)	4806 psi
	str/min	psi	meters	Formation Strength	16.60 ppg
1	30	680	2937.00	Kick Tolerance	5.24 ppg
2	30	850	2937.00	Pore Pressure	8.80 ppg
3	0	0	2937.00	MASP	2659 psi

Density 10.20 ppg Background Gas 15.0
 ECD 11.23 ppg Connection Gas .0
 at 3024.00 meters Trip Gas .0
 with bit at 3023.92 meters

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

Date Run:	1-Feb-05	Date Pulled:	3-Feb-05	Length of BHA	: 326.410
Time Run:	18:30	Time Pulled:	20:30	BHA Weight in Air	: 55.0
Depth In:	2866.00	Depth Out	: 3024.00	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	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					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	38	Pick-up	350	Off-TD	5.0	BHA	124.15
RPM	120	Slack-off	280	On-TD	8.0	Shock Sub	.00
		Off-TD, Rotating	310			Jars	124.15

===== 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 04-Feb-2005 report for WM1

Run 03-Feb-2005 15:01 Central Time