

Download Report

Drilling

DETAILED DAILY REPORT
West Moonfish 1Company Use Only
31-Jan-2005

DRS Well ID: WM1	AFE L6101E001	Planned	Actual
Units : Mixed Oilfield	MD	m: 3438.00	2768.00
Office : Australia SE	TVD	m: 3149.00	2649.80
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	35.0
Rig Name : Ensco 102	- Ahead/Behind:		N/A
Operator : Esso Aus Res	- from Spud :		25.2
Field : Gippsland Basin	Spud Date :	05-Jan-2005	
Country : Australia	Progress m:		80.00
Latitude : 38d 9' 0" South	Drilling Hours :		22.75
Longitude : 147d 58' 41" East	ROP m/hr:		3.52
Water Depth: 52.00 m	Percentage NPT :		26.7
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 Remora Volcanics 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

Start Elpsd	End MD	Description
00:00 .50	2688.00	WAIT Unplanned wait -- Clevis shaft stripped out from the torque tube on the pipe handlers make up cylinder. Troubleshoot & repair same @ 2525 m (casing shoe). NPT See Event 16 (RIG)
00:30 .50	2688.00	TRIP Run string in hole -- TIH from 2525m to 2671m - no excess drag. NPT See Event 16 (RIG)
01:00 .25	2688.00	DRLG Wash to btm from 2671m to 2688m.
01:15 22.75	2768.00	DRLG Drill 8-1/2" hole from 2688m to 2768m. WOB 20-45, 645 gpm, SPP 2800 psi, 105-140 rpm. ROP 2-22 m/hr, Avg ROP 3.9 m/hr.
KREVs = 142, On Btm Hrs = 20.66		
Top of Ramora Volcanics @ 2715m MDRT 2602.3m TVDRT, t=8m 40m low to prediction		

Total 24.00

===== PROBLEM EVENTS AND MILESTONES =====

Event: 16 NPT: Yes Hours: 4.50 Responsible Party: Rig Contractor
Start: 29-Jan-05 20:30 RIG Top drive system problem
End : 30-Jan-05 01:00 See report for 30-Jan-2005 (job 26-Dec-2004 15:50)

===== REMARKS =====

* Held Weekly Safety Mtg with both crews *
** Held Fire & Abandon Drill with all crew members - Good Response **
STOP / SOC Observation Cards: 80
Total Proactive Safety Efforts: 147

Conductor tensioner frame tension - 280 kips
 Pretour Safety Meetings - Eye Protection, Alternative Cutting Devices, Drilling,
 Housekeeping, JSA's & Stepback 5x5

 Days since last LTI: 876
 Days since Last TRI: 857 (24-Sep-02)
 Equipment Down: Deep well pumps #2 & #4

Activity to 0500 hrs 29 Jan 05

0000 - 0500

Drill from 2768m to 2786 m

===== 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	Yes		17-Jan-2005
Abandon Ship Drill	Yes		17-Jan-2005
Operations Superintendent Inspection	No		25-Jan-2005
Regulatory Agency Citation	No		
BOP Drill (Pit or Trip Drill)	No	0	30-Jan-2005
BOP System Inspection (Minicheck)	No	0	30-Jan-2005

===== PERSONNEL =====

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

Total Head Count: 78

Total Hours : 936.00

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

Contractor	Count	Company
57	ExxonMobil	4
0	Service Company	17

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

Finish Top Drive repairs, TIH from shoe to 2688m, Drill 8-1/2" hole from 2688m to 2768m

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

	AFE	Intangible	Tangible	Total	Mud
Dry : 21,400,000	Daily	303,712	0	303,712	8,361
Susp : 21,400,000	Cum Mbl	0	0	0	0
Comp : 0	Cum Drl	12,810,808	593,640	13,404,448	347,582
Total: 21,400,000	Cum Comp	0	0	0	0
	Cum W/O	0	0	0	0
Exc : 1.33330/US\$	Cum AFE	12,810,808	593,640	13,404,448	347,582

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

Time	23:00	Flowline Temp	66.0 deg C	% Solids	8.9
Mud Type	WBM	Filtrate	3.2 cc	% LGS	8.0
Sample From	Pit	Filter Cake	1.0 32nd"	% Sand	.40
		HTHP Temp	121.0 deg C	% Water	88.0
MD	2762.00 meters	Filtrate	10.4 cc	% Oil	.0
Density	10.10 ppg				
Viscosity	62 sec	Elec Stab	0 volts	Ca++	80
PV	23.0 cp	MBT	3.0 lb/bbl	Cl-	40000
YP	42.0 phsf	Excess Lime	.10 lb/bbl	CaCl2	0
Gels	10./ 14. phsf			pH	8.5
		Circ Volume	839.0 barrel	Pf/Mf	.0/ .7
		Vol Hole Dr	18.4 barrel	Pm	.4

Rhe'try at 49.0 deg: 600/88 300/65 200/55 100/41 60/0 30/0 6/12 3/9

Increase MW in Pit No3 to 10.0 ppg with Barite. Add Baracor 129 to maintain
 Sulfide Residual and Caustic Soda for alkalinity in the active system. Change 2
 Baroid New screen 210 mesh in shaker no.4 and # 3

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

Hours on Centrifuge: .00 Dilution Rate: .00

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

	Usage	Receipts	Stock		Usage	Receipts	Stock
Barite	331	0	3025	Fuel	9	0	337
Cement	0	0	3474	Gel	0	0	209

Cement Blend	0	0	2935	Potable Water	8	26	214
Drill Water	0	146	551				

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

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

Bit/Run	Depth	Rotary	Lng/Hour	Grade	Cost
Numbers	In	Hours	Today	T B G	/Lng
7 1	2688.0	20.66	3.87		1120
Size	80.0		3.87		
Cd Mfg Type	MX30DX				

===== 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)	0.
2	.1390	55	1.3254	in2		DP (Min)	0.
3	.1390	55	47.38	m/sec		(Min OH) *****	
		Bit	8.500	inches		Riser (Min)	0.
		Pressure Drop	218	psi			
Pump Rate	110 str/min		8	% of SPP			
Flow Rate	642.18 gpm	Impact Force	523	lbf			
Pressure	2850 psi	Hydraulic HP	1.442	hp/in2			

===== SURVEYS =====

MD	Angle	Azimuth	TVD	Vert Sec	N+/S-	E+/W-	Dogleg
2709.01	25.79	176.94	2596.90	-427.362	- 427.362	+ 54.921	.219
2738.14	25.73	177.20	2623.14	-440.005	- 440.005	+ 55.568	.130

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

Pump	Rate	Pressure	MD	Burst (70%)	
	str/min	psi	meters		
1	0	0	.00	Formation Strength	4806 psi
2	30	450	2786.00	Kick Tolerance	16.60 ppg
3	40	620	2786.00	Pore Pressure	5.79 ppg
				MASP	8.23 ppg
					2700 psi
				Background Gas	11.0
Density	10.10 ppg			Connection Gas	.0
ECD	10.10 ppg			Trip Gas	35.0
at	2768.00 meters				
with bit at	2767.89 meters				

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

Date Run:	29-Jan-05	Date Pulled:	Length of BHA	:	320.870
Time Run:	14:00	Time Pulled:	BHA Weight in Air	:	52.0
Depth In:	2688.00	Depth Out :	Above Jars:	:	42.0
			Below Jars:	:	10.0
			In Mud :	:	44.0

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

Tp	OD	ID	Grd	Connections	Nom	Stab Blade	Length	Section
				Size Type Wt/Len		OD In OD Out	To Ctr Bend	Length
BT	8.500	2.250	????	4.500 REG	50.0			2447.370
ST	8.500	2.312	????	4.500 IF	50.0	8.500 .000	.000	1.760
ND	6.187	2.875	????	4.500 IF	50.0			2.490
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			3.610
XO	7.000	2.375	????	4.500 REG	50.0			.580
LW	6.187	.000	????	5.500 FH	.0			3.080
MW	6.750	.000	????	5.500 FH	.0	.000 .000	.000	8.380
LW	6.187	.000	????	5.500 FH	.0			6.240
HW	5.000	3.000	????	4.500 IF	50.0			28.240
JR	6.250	2.750	????	4.500 IF	50.0			9.730
HW	5.000	3.000	????	4.500 IF	50.0			253.290
DP	5.000	4.276	????	4.500 REG	50.0			.000

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===== DAILY DRILL STRING =====
----- Weights -----      --- Torques ---      Cumulative Time On
WOB      38      Pick-up      315      Off-TD      4.4      BHA      64.91
RPM     110      Slack-off      265      On-TD      5.2      Shock Sub      .00
                        Off-TD, Rotating      295                        Jars      64.91
===== 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

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*** End 31-Jan-2005 report for WM1

Run 30-Jan-2005 15:27 Central Time