

Drilling

DETAILED DAILY REPORT
West Moonfish 1

Company Use Only
06-Feb-2005

DRS Well ID: WM1	AFE L6101E001	Planned		Actual
Units : Mixed Oilfield	MD	m: 3438.00		3369.00
Office : Australia SE	TVD	m: 3149.00		3149.50
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		41.0
Rig Name : Ensco 102	- Ahead/Behind:			N/A
Operator : Esso Aus Res	- from Spud :			31.2
Field : Gippsland Basin	Spud Date :	05-Jan-2005		
Country : Australia	Progress m:			139.00
Latitude : 38d 9' 0" South	Drilling Hours :			18.75
Longitude : 147d 58' 41" East	ROP m/hr:			7.41
Water Depth: 52.00 m	Percentage NPT :			23.4
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: Wiper trip - TIH from shoe

Planned: TIH, Pump sweep, Circ hole clean, POOH to run E-logs

Start	Elpsd	End MD	Description
00:00	18.75	3369.00	DRLG Drill 8-1/2" hole with PDC bit from 3260m to 3369m, 3149 TVD, 3110 TVD SS - (TD). Avg ROP cumulative 12.3 m/hr. 24 hrs Avg ROP 8.7 m/hr. WOB 20-30 klbs, 175 RPM @ 605 gpm, Surf RPM 110-120, 3250-3850 psi. Torq 8375-12455 ft-lbs. Max Gas 129 units @ 3290m, Avg BG 30 units. 498 KRevs, Bit Hrs (On Btm) 28.0, Total Mtr 345m
18:45	1.75	3369.00	CIRC Circ & COnnd Mud prior to wiper trip to shoe. Circ 3 x Btms Up while rotating @ 120 RPM, pumping @ 605 gpm while reciprocating drillstring. Gas decr from avg BG 30 units to 10 units. Shakers clean after 2 btms up.
20:30	2.50	3369.00	TRIP Short trip (not to surface) -- Wiper trip to shoe - no excess drag. Flow check - static. Pull 5 stds - hole taking proper displacement. Pump slug & continue POOH to 2500m - inside 9-5/8" casing. Max P/U 415 klbs. Hole good. Flow check well @ shoe - Static.
23:00	.25	3369.00	BOP BCFT - Function test BOP - circ thru choke & kill lines.
23:15	.75	3369.00	TRIP Short trip (not to surface) -- TIH from shoe.
Total 24.00			

===== REMARKS =====

STOP / SOC Observation Cards: 61
 Total Proactive Safety Efforts: 127
 Conductor tensioner frame tension - 280 kips
 Pretour Safety Meetings - Drilling, Well Ctrl, 3rd Party Safety, Job Planning,
 Waste Mgmt, JSA's & Stepback 5x5

 Days since last LTI: 882
 Days since Last TRI: 10 (27-Jan-05)
 Equipment Down: Deep well pumps #2 & #4.

Activity to 0500 hrs 06 Feb 05
 0000 - 0500

TIH f/shoe, Circ hole clean & sweep around, (TG 115 units), 3 x Btms Up. BG Gas
 @ 8u. POOH - No Problems. (Bit @ 3140m @ 0500).

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

	Occurred?	Count	Most Recently Reported
BOP Control Function Test (BCFT)	Yes		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	05-Feb-2005
BOP System Inspection (Minicheck)	Yes	2	05-Feb-2005

===== PERSONNEL =====

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

Total Head Count: 86
 Total Hours : 1032.00

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

Contractor	58	ExxonMobil	3
Contractor Short Service (SSE)	0	Service Company	25

===== SAFETY INCIDENT =====

*** Non-Work Related

Employee felt hungry at break and ate. Felt light headed, had head spin and vomited twice. Examined by medic. Medic contacted Sale hospital to get advice from doctor. Medic gave patient 5 mg of oral Stemetilat. Medic continued to monitor patient. Patient reported he felt better. Told to go to bed & rest.

* Non-work related illness report.

** No other Personnel on rig had reported any stomach sickness.

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

Drill 8-1/2" hole with PDC bit from 3260m to 3369m, 3149 TVD, 3110 TVD SS - (TD). Circ & Cond Mud 3 x btms up - BG gas decr from 30 to 10 units. Wiper trip to shoe, no excess drag - Hole good. DC/APD&TD - 36 secs.

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

	AFE		Intangible	Tangible	Total	Mud
Dry :	21,400,000	Daily	301,043	0	301,043	4,742
Susp :	21,400,000	Cum Mbl	0	0	0	0
Comp :	0	Cum Drl	14,725,045	593,640	15,318,685	386,420
Total:	21,400,000	Cum Comp	0	0	0	0
		Cum W/O	0	0	0	0
Exc :	1.33330/US\$	Cum AFE	14,725,045	593,640	15,318,685	386,420

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

Time	22:00	Flowline Temp	71.0 deg C	% Solids	9.4
Mud Type	WBM	Filtrate	3.4 cc	% LGS	7.0
Sample From Flowline		Filter Cake	1.0 32nd"	% Sand	.15
		HTHP Temp	121.0 deg C	% Water	87.4

MD	3369.00 meters	Filtrate	12.0 cc	% Oil	.0
Density	10.30 ppg				
Viscosity	62 sec	Elec Stab	0 volts	Ca++	80
PV	27.0 cp	MBT	2.5 lb/bbl	Cl-	39000
YP	46.0 phsf	Excess Lime	.18 lb/bbl	CaCl2	0
Gels	10./ 14. phsf			pH	9.0
		Circ Volume	1611.3 barrel	Pf/Mf	.0/ .8
		Vol Hole Dr	32.0 barrel	Pm	.7

Rhe'try at 49.0 deg: 600/100 300/73 200/52 100/46 60/0 30/0 6/12 3/10
 Has 1% +CO2 which reducePH and increase fluids loss. Increase rate of KOH
 addition to counter CO@

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

Hours on Centrifuge: .00 Dilution Rate: .00

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

	Usage	Receipts	Stock		Usage	Receipts	Stock
Barite	0	0	2915	Fuel	13	0	274
Cement	0	0	2911	Gel	0	0	209
Cement Blend	0	0	2182	Potable Water	30	35	207
Drill Water	0	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 T B G /Lng
9 1	8.500	BT NLH DSX173	3024.0 345.0	28.00 8.69	12.32 459

===== 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	52	Total Flow Area	1.4174 in2	DP (Min) 295.
3	.1390	0	Nozzle Velocity	41.89 m/sec	(Min OH) 314.
			Hole Diameter	8.500 inches	Riser (Min) 0.

Bit

Pressure Drop 174 psi

Pump Rate 104 str/min 5 % of SPP

Flow Rate 607.15 gpm Impact Force 446 lbf

Pressure 3720 psi Hydraulic HP 1.086 hp/in2

===== SURVEYS =====

MD	Angle	Azimuth	TVD	Vert Sec	N+/S-	E+/W-	Dogleg
3231.67	35.66	172.64	3036.43	-704.294	- 704.295	+ 82.864	.552
3259.72	35.26	172.40	3059.28	-720.429	- 720.429	+ 84.982	.453
3289.09	34.82	172.26	3083.32	-737.141	- 737.141	+ 87.232	.456
3318.30	34.25	172.36	3107.39	-753.552	- 753.552	+ 89.449	.588
3343.24	33.90	172.67	3128.05	-767.406	- 767.406	+ 91.269	.470

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

Pump	Rate	Pressure	MD		
	str/min	psi	meters	Burst (70%)	4806 psi
1	30	645	3348.00	Formation Strength	16.60 ppg
2	40	860	3348.00	Kick Tolerance	4.69 ppg
3	0	0	3110.00	Pore Pressure	9.10 ppg
				MASP	2617 psi

		Background Gas	30.0
Density	10.30 ppg	Connection Gas	.0
ECD	11.35 ppg	Trip Gas	.0
at	3369.00 meters		

with bit at 3368.95 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	Grd	Connections		Nom Wt/Len	Stab Blade		Length		Section Length
				Size	Type		OD	In	OD	Out	
DP	5.000	4.276	S135	4.500	IF	19.5					3042.590
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	25	Pick-up	390	Off-TD	7.0	BHA 180.15
RPM	120	Slack-off	285	On-TD	10.0	Shock Sub .00
		Off-TD, Rotating	330			Jars 180.15

===== 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 06-Feb-2005 report for WM1

Run 05-Feb-2005 12:44 Central Time