

ESSO Australia Pty Ltd

Date:	04/02/05	Last Casing:	9? " (244mm) @ 2527m
Report Number:	25	LOT:	16.6 ppg EMW (1.99 sg) at 9 5/8" casing
Report Period:	24hrs to 24:00 03/02/05	Current hole size:	8½" (216mm) from 2532m
Depth @ 2400 Hrs:	3024m MDRT	Mud Weight:	10.2 ppg (1.22 sg)
Last Depth:	2965m MDRT	ECD:	11.3 ppg (1.35 sg)
Progress:	59m	Mud Type:	KCl/PHPA/Glycol
TD Lithology:	Sandstone/Siltstone	Mud Chlorides:	39,000
Water Depth:	52m	Mud Fluid Loss:	3.2
RT Elevation:	39.24m aMSL	Bit Type:	8½" SMITH GF11Y

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00 hrs Drilled ahead from 2965 to 3024m MDRT. Circulated hole clean and pulled out of hole for bit change.

05:00 hrs update
(04/02/05) Running in hole at 1756mMDRT

NEXT 24 HOURS: *Drill ahead 8 1/2" hole.*

GEOLOGICAL SUMMARY

▪ LITHOLOGIC DESCRIPTION:

INTERVAL m MDRT (m TVRT)	LITHOLOGY
2965 - 3000 (2822 - 2849) ROP: 4-25 m/hr (av. 5 m/hr)	SILTSTONE with occasional thin SANDSTONE interbeds & trace COAL. SILTSTONE (90 to 60%): mottled grey/brown to greyish black, argillaceous grading to claystone in part, arenaceous in part, very coaly/carbonaceous & very fine sandstone laminations, moderately hard, subblocky. SANDSTONE (10% to 40%): white to very light grey, very fine to fine grained, well sorted, subangular to rounded, weak to moderate siliceous cement, abundant white argillaceous & silty matrix, common carbonaceous fragments, friable to moderately hard, nil visual porosity. Grading to silty/sandy claystone in places. NO SHOWS. COAL (Trace): black, dull to subvitreous, silty grading to carbonaceous siltstone, blocky to subfissile, brittle.
3000 - 3024 (2849 - 2870) ROP: 2-20 m/hr (av. 5 m/hr)	Predominantly SILTSTONE with minor SANDSTONE. SILTSTONE: (90% to 70%) light to medium grey/brown, argillaceous, common carbonaceous material, moderately hard, subblocky. SANDSTONE: (10% to 30%) mottled brown/grey, very fine to fine grained, well sorted, subrounded, strong to moderate siliceous cement, common to abundant lithic & silty matrix, common carbonaceous fragments, hard to moderately hard, tight to poor visual porosity with decreasing matrix, NO SHOWS.

▪ HYDROCARBON FLUORESCENCE:

INTERVAL (m MDRT)	HYDROCARBON FLUORESCENCE
2965 - 3024	NO SHOWS

▪ **GAS SUMMARY:**

INTERVAL (m MDRT)	GAS TYPE	TOTAL GAS % Min - max (average)	C1 ppm Min - max (average)	C2 ppm min - max (average)	C3 ppm min - max (average)	iC4 ppm min - max (average)	nC4 ppm min - max (average)	C5 ppm min - max (average)
2965 - 2985	BKGD	0.4	2729	214	108	24	19	7
2985 - 3024	BKGD	0.5	2894	408	226	47	50	14
2989.5	DGP	10.78	80307	7246	3093	549	615	364
2992	DGP	3.28	24447	2170	925	160	177	105
2994.5	DGP	2.84	21944	1931	647	98	95	60
3008	DGP	2.0	14414	1342	609	133	120	95
3017.5	DGP	5.4	37086	4149	2048	416	511	357
Gas types as follows:- BKGD = background gas, DGP = drilling gas peak, WTG = Wiper Trip gas, and CG = connection gas								

▪ **SURVEYS:**

m MDRT	Inclination	Azimuth	m TVDRT	m TVDSS	
2940.58	35.22	173.63	2803.0	2763.76	
2969.76	36.72	171.96	2826.62	2787.38	
2998.29	36.71	172.92	2849.49	2810.25	

▪ **PRELIMINARY FORMATION TOPS:**

FORMATIONS	PROGNOSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDRT	TVDSS	THICKNESS TV	MDRT	TVDSS	THICKNESS TV	HIGH/LOW to prognosis	DIFF m
Gippsland Limestone	91.2	52	748	91.2	52			
Lakes Entrance Fm	839.2	800	727	Indeterminate				
Latrobe Group	1566.2	1527		1579.0	1539.7		low	12.7
Top "L8" Reservoir	1956.9	1909						
Top Moonfish Volcanics	2023.3	1966	22	2046	1985.8	24	low	19.8
Base Moonfish Volcanics	2049.1	1988		2073	2008.4		low	20.4
Top sub-Moonfish Volcanics Reservoir	2068.9	2005		2085	2018.4		low	13.4
Top Remora Volcanics	2675.2	2523	60	2715	2563	8	low	39

Base Remora Volcanics	2745.4	2583		2724	2571		high	12
Total Depth	3362.2	3110						
<i>Note: depths in bold type confirmed by E-Logs. Water depth = 52m (MSL to seabed), and RTE = 39.24m above MSL.</i>								

- **REMARKS / COMMENTS**

MWD sensor offsets (run #7):

Gamma - 18.21m
 Resistivity - bit - 8.85m
 Resistivity - ring - 18.57m
 Resistivity - deep button - 18.74m
 Directional - 24.66m
 UltraSonic - 31.67m
 Density - 32.05m
 Porosity - 33.02m

- **AIPC WELLSITE GEOSTAFF:**

Wellsite Geologists - Greg O'Neill / Antonio Ribeiro