Longtom-4 H

Date:	08-08-2008	Last Casing:	273 mm (10.¾") @ 2590.8 mMDRT
Report Number:	8	Leak Off Test:	1.64 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	241 mm (9½")
Depth @ 2400 Hrs:	4220 mMDRT	Mud Weight:	1.44sg
Last Depth:	3791 mMDRT	ECD:	1.57sg
Progress:	419 m	Mud Type:	SOBM
TD Lithology:	Sandstone	Vis:	75sec/qt
Water Depth:	55.97 m (LAT)	Mud Fluid Loss:	4.5cc/30min
RT Elevation:	41.06 m (LAT)	Bit Type:	REED RSX616M-A4

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00: Drilled ahead 9.5in hole as per DD and geology requirements from 3791m to 4220m (2675m TVD).

06:00 Update Continued controlled drilling as per DD and geology requirements from 4220m to 4352m (2671m TVD).

NEXT 24 HOURS: Drill ahead to proposed final TD of 4520m.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT (mTVDSS)	Description
3880 – 3943m (2596.0 – 2598.4) ROP: 13–33m/hr	**Sandstone** **SANDSTONE**: (100%) very light grey to light grey, clear to translucent grains, trace moderate reddish orange and light greenish grey, returned loose, trace friable aggregates, very fine to medium grained, predominantly fine, common medium, sub angular to sub rounded, sub spheroidal-spheroidal, well sorted, trace light grey argillaceous matrix, very weakly calcareous (possible LCM contamination), rare greyish black lithics, trace moderate reddish brown lithics, trace fresh and weathered feldspars, fair inferred porosity. No Shows.
3943 – 4085m (2598.4–2612.2) ROP: 7-36m/hr	**Claystone with minor Sandstone** **CLAYSTONE:** (40-100%) medium grey to medium dark grey, soft to firm, predominantly bit generated texture, sub blocky to blocky, hygroturgid, trace finely disseminated carbonaceous material, non calcareous **SANDSTONE**: (Tr to 60%) dominantly as above
4085 – 4188m (2612.2-2631.2) ROP: 6-36m/hr	**Sandstone** **SANDSTONE:** (100%) dominantly as above variably returned loose or friable
4188 – 4238m (2631.2-2635.3) ROP: 12-42m/hr	**Claystone** **CLAYSTONE:** (100%) medium grey to medium dark grey, firm to moderately hard, predominantly bit generated texture, blocky, trace to minor carbonaceous material, non calcareous

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
3880 - 4238	Nil

GAS SUMMARY:

INTERVAL (mMDRT)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
3880 – 3943m	1.7-4.3	14258-37300	395-904	155-322	24-44	29-50	8-14	6-11
3943-4085m	0.06-0.27	248-2172	4-99	9-58	1-11	3-16	1-5	1-4
4085-4188m	0.10-4.87	821-40451	13-1081	13-367	0-50	2-57	0-15	0-11
4188-4238m	0.14-0.39	879-3456	39-136	19-57	3-11	4-15	1-5	1-4
4135m Peak	4.55	38631	1022	342	46	50	12	9
4165m Peak	4.86	38552	1032	49	56	15	10	1

SURVEYS

MD	ANGLE	Azi	TVD					
4270.99	92.69	195.73	2675.1					
4301.34	92.03	195.79	2673.9					
4331.01	92.98	195.62	2672.6					

FORMATION TOPS

WD = 55.97 m LAT
RTE = 41.06 m LAT

FORMATION	PROGNOSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDRT	TVDSS	THICK	MDRT	TVDSS	HI/LO	THICK	DIFF
Sea Floor/ Gippsland Limestone	78.5	-57	n/a	97.0	-55.97			
Lakes Entrance	-	-						
Latrobe	1299.2	-1223.8		1291	-1214.6	9.2 Hi		
K/T Boundary	-	-						
Un-named Volcanics	1690. 5	-1561.7		1695	-1562.8	1.1 Lo		
Chimaera	1724.1	-1590.7		1710	-1575.8	14.2 Hi		
Kipper Shale	1757.4	-1619.5		1755	-1614.6	4.9 Hi		
Admiral Formation	2179	-1983.9		2215	-2015.9	32 Lo		
500 Sands	2287.8	-2077.7		2316	-2101.7	24 Lo		
400 Sands	2418.8	-2187.3		2494	-2241.5	54.2 Lo		
300 Sands	2544.2	-2278.6		2610	-2316.6	37.7 Lo		
200 Sands	2696.3	-2367.2		2696.3	-2367.2			
100 Sands	2828.8	-2450.9		2828.2	-2449.6	1.3 Lo		
50 Sands	3092.2	-2659.9		3132.0	-2571.3	11.4 Lo		
Emperor Volcanics								
TD								

COMMENTS:

Ultrasonic Caliper continues giving erroneous readings.

MWD/LWD Sensor Offsets BHA # 8 (Anadrill), Bit # 11

Sensor	**Distance to bit**	**Record Rate**
Gamma Ray	9.69 m	2 seconds
Resistivity	12.73 m	2 seconds
Thermal Neutron Porosity	13.14 m	4 seconds
Density	10.95 m	4 seconds
Spectroscopy	13.29 m	4 seconds
Ultrasonic Caliper	11.32 m	4 seconds
Pressure Whilst Drilling	9.86 m	4 seconds
Direction & Inclination	20.07 m	

Water depth and RT elevation are referenced to LAT.

- RT to Sea Level (LAT) = 41.06m
- RT to Sea Bed = 97.03m
- Water Depth = 55.97m (LAT)

WELLSITE GEOLOGISTS: Cliff Menhennitt Hamish Little