

Longtom-4 H



Date:	02-08-2008	Last Casing:	273 mm (10.75") @ 2590.8 mMDRT
Report Number:	2	Leak Off Test:	1.64 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	241 mm (9½")
Depth @ 2400 Hrs:	2719 mMDRT	Mud Weight:	1.45 sg
Last Depth:	2690 mMDRT (TOC)	ECD:	1.5 sg
Progress:	29 m	Mud Type:	SOBM
TD Lithology:	Sandstone	Vis:	92 sec/qt
Water Depth:	55.97 m (LAT)	Mud Fluid Loss:	4.0cc/30min
RT Elevation:	41.06 m (LAT)	Bit Type:	REED RSR616M-B3

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Waited for weather to subside and continued RIH from 1452m to TOC at 2690m. Drilled cement from 2690m to 2696m and reamed this drilled section to prepare for kick-off. Control drilled from 2696m to 2719m to commence kick-off.

06:00 Update

Control drilled 9½" hole as per DD requirements from 2719m to 2733m. Sample at 2723m: 90% formation, 10% cement. Sample at 2727m: 95% formation, 5% cement. Increased allowable ROP in stages and confirmed sample composition at each increase to ensure kick-off not dropping back into pilot hole.

NEXT 24 HOURS:

Continue drilling ahead as per Directional Driller's requirements.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT (mTV DSS)	Description
2687 – 2730m (2362.5 – 2389m) ROP: controlled	SANDSTONE: light to medium grey, predominantly clear, translucent and rare pink quartz, dominantly soft friable aggregates, minor loose, sub rounded to rounded, very fine to rare medium grained, moderately well sorted, spheroidal, minor light grey argillaceous matrix, common dark grey lithic grains, common black vitreous coal fragments, rare green glauconite grains, trace to minor weathered feldspar, fair visual and inferred porosity. No Shows.

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
	Nil

GAS SUMMARY:

INTERVAL (mMDRT)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
2687-2730	0.02-0.44	11-44488	0-45	0-14	-	-	-	-

SURVEYS

MD	ANGLE	Azi	TVD					
2681.00	52.50	184.22	2399.5	Tie In				
2704.04	51.56	184.69	2413.7					

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						
100 Sands	2828.8	-2450.9						
50 Sands	3092.2	-2659.9						
Emperor Volcanics								
TD								

COMMENTS:

Tagged top of cement in Longtom-4 P at 2687mMD

MWD/LWD Sensor Offsets BHA # 7 (Anadrill), Bit # 10

Sensor	Distance to bit	Record Rate
Gamma Ray	9.73 m	2 seconds
Resistivity	12.77 m	2 seconds
Thermal Neutron Porosity	13.17 m	4 seconds
Density	10.98 m	4 seconds
Spectroscopy	13.32 m	4 seconds
Ultrasonic Caliper	11.35 m	4 seconds
Pressure Whilst Drilling	9.89 m	4 seconds
Direction & Inclination	20.08 m	

Tools have 292 hours (circulation time above 400GPM) memory

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