

**Longtom-4 P**



<b>Date:</b>	24-07-2008	<b>Last Casing:</b>	273 mm (10.75") @ 2590.8 mMDRT
<b>Report Number:</b>	1	<b>Leak Off Test:</b>	1.64 sg EMW
<b>Report Period:</b>	24hrs to 24:00	<b>Current hole size:</b>	248 mm (9.76")
<b>Depth @ 2400 Hrs:</b>	2600 mMDRT	<b>Mud Weight:</b>	1.45 sg
<b>Last Depth:</b>	2600 mMDRT	<b>ECD:</b>	
<b>Progress:</b>	-	<b>Mud Type:</b>	SOBM
<b>TD Lithology:</b>	Claystone	<b>Vis:</b>	125 sec/qt
<b>Water Depth:</b>	55.97 m (LAT)	<b>Mud Fluid Loss:</b>	3.0cc/30min
<b>RT Elevation:</b>	41.06 m (LAT)	<b>Bit Type:</b>	Smith M716PXC

**OPERATIONS SUMMARY**

**24 HOUR SUMMARY  
00:00 - 24:00:**

From 1630 hrs: Made up 9.5in rotary steerable BHA and RIH to 153m. Shallow tested MWD tools, good test. Displaced hole to SBM at 153m. Continued RIH from 153m to 982m.

**06:00 Update**

Continued RIH with 9.5in BHA from 982m to 2525m filling up every 15 stands at first and then every 20 stands as ported float eased requirements for filling up pipe. Washed down from 2525m and tag top of cement at 2551m. Washed and drilled down cement from 2551m to 2554m.

**NEXT 24 HOURS:**

Drill out cement and 3m of new formation, perform FIT and drill ahead 9½ in hole to core point.

**GEOLOGICAL SUMMARY**

**LITHOLOGIC DESCRIPTION:**

Interval mMDRT (mTVDSS)	Description
	No new lithology

**HYDROCARBON FLUORESCENCE:**

INTERVAL (mMDRT)	FLUORESCENCE
2433-2600	Nil

**GAS SUMMARY:**

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)

**SURVEYS**

MD	ANGLE	Azi	TVD					

2,578.22	52.52	183.03	2,338.08					
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**FORMATION TOPS**

<i>WD = 55.97 m LAT</i>								
<i>RTE = 41.06 m LAT</i>								
FORMATION	PROGNOSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDKB	TVDSS	THICK	MDKB	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		2564	2288.2	9.6 Lo		
200 Sands	2696.3	-2367.2						
100 Sands	2819.9	-2439.5						
50 Sands	2970.4	-2527.4						
Emperor Volcanics	3041.8	-2569.1						
TD	3080.0	-2591.4						

**COMMENTS:**

This report starts geological reporting for Longtom-4 P

MWD/LWD Sensor Offsets BHA 1

Sensor	Distance to bit	Record Rate
Gamma Ray	9.70 m	2 seconds
Resistivity	12.75 m	2 seconds
Thermal Neutron Porosity	13.15 m	4 seconds
Density	10.96 m	4 seconds
Spectroscopy	13.30 m	4 seconds
Ultrasonic Caliper	11.33 m	4 seconds
Pressure Whilst Drilling	9.87 m	4 seconds
Direction & Inclination	20.07 m	

Tools have 194 hours (circulation time above 400GPM) of available data storage.

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**