

## Longtom-4 H



<b>Date:</b>	10-08-2008	<b>Last Casing:</b>	273 mm (10.¾") @ 2590.8 mMDRT
<b>Report Number:</b>	10	<b>Leak Off Test:</b>	1.64 sg EMW
<b>Report Period:</b>	24hrs to 24:00	<b>Current hole size:</b>	241 mm (9½")
<b>Depth @ 2400 Hrs:</b>	4648 mMDRT	<b>Mud Weight:</b>	1.45sg
<b>Last Depth:</b>	4582 mMDRT	<b>ECD:</b>	1.6sg
<b>Progress:</b>	66 m	<b>Mud Type:</b>	SOBM
<b>TD Lithology:</b>	Sandstone	<b>Vis:</b>	80sec/qt
<b>Water Depth:</b>	55.97 m (LAT)	<b>Mud Fluid Loss:</b>	3.8cc/30min
<b>RT Elevation:</b>	41.06 m (LAT)	<b>Bit Type:</b>	REED RSX616M-A4

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**OPERATIONS SUMMARY**


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

Drilled 9½ hole as per DD requirements from 4582m to 4648m (2695.9m TVD) - final TD of hole. Circulated 5x bottoms up and back reamed all stands from 4648m to 3823m. A leaking wash pipe was changed out during this trip period.

**06:00 Update**

POOH from 3823 to 3168m back reaming every stand.

**NEXT 24 HOURS:**

Continue POOH and rig up to run 7" liner.

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**GEOLOGICAL SUMMARY**


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**LITHOLOGIC DESCRIPTION:**

Interval mMDRT (mTVDSS)	Description
	Lithology to TD summarised in yesterday's report

**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)

**SURVEYS**

MD	ANGLE	Azi	TVD					
4568.77	84.96	189.40	2687.1					
4598.48	84.84	186.02	2689.8					
4627.92	82.10	185.79	2693.1					

**FORMATION TOPS**

WD = 55.97 m LAT RTE = 41.06 m LAT								
FORMATION	PROGNOSSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDRT	TVDSS	THICK	MDRT	TVDSS	H/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				4648	-2655.5			

**COMMENTS:**

This report completes well site geological reporting for the Longtom-4 campaign  
Wellsite Geologists depart rig 11/08/08

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**