

Longtom-4 P



Date:	27-07-2008	Last Casing:	273 mm (10.75") @ 2590.8 mMDRT
Report Number:	4	Leak Off Test:	1.64 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	241 mm (9½")
Depth @ 2400 Hrs:	2841 mMDRT	Mud Weight:	1.45 sg
Last Depth:	2896 mMDRT	ECD:	1.55
Progress:	55 m	Mud Type:	SOBM
TD Lithology:	Sandstone	Vis:	86 sec/qt
Water Depth:	55.97 m (LAT)	Mud Fluid Loss:	2.0cc/30min
RT Elevation:	41.06 m (LAT)	Bit Type:	BHC406

OPERATIONS SUMMARY

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

RIH with core barrel from 2369m to 2812m. Washed down to 2841m, dropped ball, took SCR's and cut 8½" core from 2841m to 2896m. POOH with core barrel, recovered core (99%) and laid out core and outer barrel. Made up new 9½" BHA and RIH to 143m.

06:00 Update

Continued RIH BHA from 143m to 209m. Made up 1 stand DP and performed shallow MWD/LWD test at 650gpm. Installed diverter insert and continued RIH from 209m to 2637m filling string every 20 stands.

NEXT 24 HOURS:

Ream over sections to recapture missing MWD/LWD data, ream cored section and drill 9½" hole to TD of pilot hole.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT (mTVDS)	Description
	See Cutting Description Sheet

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
2841-2896	Nil

GAS SUMMARY:

INTERVAL (mMDRT)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
2843m	1.3	12551	203	56	5	7	0	0
2841-2862	0.33	2707	50	16	2	2	0	0

SURVEYS

MD	ANGLE	Azi	TVD					
2798.55	47.70	183.57	2474.21					

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		2564	-2288.2	9.6 Lo		
200 Sands	2696.3	-2367.2		2683	-2359.8	23.2 Hi		
100 Sands	2819.9	-2439.5		2821	-2448.6	9.1 Lo		
50 Sands	2970.4	-2527.4						
Emperor Volcanics	3041.8	-2569.1						
TD	3080.0	-2591.4						

COMMENTS:

Core: Cut 55m recovered 54.63, 99.4%
Returns not circulated beyond 2862m whilst coring.

MWD/LWD Sensor Offsets BHA # 2

Sensor	Distance to bit	Record Rate
Gamma Ray	3.75 m	2 seconds
Resistivity	6.80 m	2 seconds
Thermal Neutron Porosity	7.20 m	4 seconds
Density	5.01 m	4 seconds
Spectroscopy	7.35 m	4 seconds
Ultrasonic Caliper	5.38 m	4 seconds
Pressure Whilst Drilling	3.92 m	4 seconds
Direction & Inclination	14.11 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