Longtom-4 H

Date:	09-08-2008	Last Casing:	273 mm (10.¾") @ 2590.8 mMDRT
Report Number:	9	Leak Off Test:	1.64 sg EMW
Report Period:	24hrs to 24:00	Current hole size:	241 mm (9½")
Depth @ 2400 Hrs:	4582 mMDRT	Mud Weight:	1.45sg
Last Depth:	4220 mMDRT	ECD:	1.6sg
Progress:	362 m	Mud Type:	SOBM
TD Lithology:	Sandstone	Vis:	75sec/qt
Water Depth:	55.97 m (LAT)	Mud Fluid Loss:	5cc/30min
RT Elevation:	41.06 m (LAT)	Bit Type:	REED RSX616M-A4

OPERATIONS SUMMARY

24 HOUR SUMMARY
00:00 - 24:00:

Drilled 9½" hole as per DD and geology requirements from 4220m to 4558m. Repaired leaking wash pipe. Decision from Nexus to continue drilling requiring picking up of extra DP. POOH 5 stands, RIH picking up 10 joints HT55 and 2 joints XT57 DP - first joint requiring reaming to enable RIH. Drilled from 4558m to 4582m (2688.3m TVD).

06:00 Update

Continued drilling 9½" hole as per DD requirements from 4582m to 4648m. (2695.9m TVD). Final depth of well as confirmed by Nexus.

NEXT 24 HOURS:

Circulated hole clean at 760gpm, 150rpm racking back one stand of DP every hour (1x bottoms up). Bit depth currently 4590m.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT (mTVDSS)	Description
4238 – 4405m (2635.3 – 2632.2) ROP: 10–61m/hr	**SANDSTONE** **SANDSTONE** (100%): very light grey to light grey, clear to translucent grains, trace light greenish grey and moderate reddish orange, returned loose, common friable aggregates, very fine to fine grained, predominantly fine, sub angular to sub rounded, minor angular, sub spheroidal to spheroidal, well sorted, trace light grey argillaceous matrix, rare greyish black lithics, trace fresh and weathered feldspars, trace carbonaceous/coaly fragments, fair inferred porosity. No Shows.
4405 – 4440m (2632.2–2635.2) ROP: 6-58m/hr	**Claystone with minor Sandstone** **CLAYSTONE** (90-100%): medium grey to medium dark grey, light brownish grey in part, firm, blocky, homogeneous, non calcareous. **SANDSTONE** (Tr-10%): as above
4440 – 4460m 2635.2-2636.8) ROP: 7-29m/hr	**Siltstone with minor Claystone** **SILTSTONE** (40-80%): light grey to medium light grey, medium grey in part, firm to friable, sub blocky, minor light grey argillaceous matrix, minor very fine grained quartz, grading to very fine grained sandstone, trace carbonaceous wisps and fragments, very poor inferred porosity. No Shows **CLAYSTONE** (20-60%): medium grey to medium dark grey, light brownish grey

	in part, firm, blocky, homogeneous, non calcareous.
4460 – 4614m (2636.8-2650.9) ROP: 2-41m/hr	**Claystone with minor Siltstone** **CLAYSTONE** (70-100%): medium dark grey to dark grey, greyish black in part, firm, blocky, homogeneous, common bit generated texture, non calcareous. **SILTSTONE** (0-30%): as above
4614 – 4648mTD (2650.9-2655.5) ROP: 17–42m/hr	**Sandstone** **SANDSTONE** (100%): very light grey to light grey, clear to translucent, rare light greenish grey grains, dominantly returned loose, common friable aggregates, trace bit generated rock flour, very fine to fine grained, predominantly fine, sub angular to sub rounded, minor angular, sub spheroidal to spheroidal, well sorted, trace light grey argillaceous matrix, rare greyish black lithics, trace fresh and weathered feldspars, trace carbonaceous/coaly fragments, fair inferred porosity. No Shows

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
4238 – 4648mTD	Nil

GAS SUMMARY:

INTERVAL (mMDRT)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
4238 – 4405m	2.7-6.2	20998-53715	542-1671	187-556	18-75	27-86	5-22	3-17
4405 – 4440m	0.13-0.50	803-4852	31-202	28-96	6-16	9-22	3-7	3-6
4440 – 4460m	0.06-0.09	210-542	16-48	13-30	3-7	5-10	2-4	2-4
4460 – 4614m	0.06-0.17	327-1315	6-27	5-22	0-3	1-6	0-2	0-2
4614 – 4648m	0.1-0.2	660-1721	4-17	5-13	0-2	2-3	-	-

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	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				4648	-2655.5			

COMMENTS:

This report completes all lithology intervals to TD

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