

**Longtom-3**

<b>Date:</b>	28-07-2006	<b>Last Casing:</b>	406 mm (16") @ 995.32 mMDRT
<b>Report Number:</b>	11	<b>Leak Off Test:</b>	1.62 sg EMW @ 1008.0 mMDRT
<b>Report Period:</b>	24hrs to 24:00	<b>Current hole size:</b>	241 mm (9 1/2")
<b>Depth @ 2400 Hrs:</b>	3437.0 mMDRT	<b>Mud Weight:</b>	1.46 sg
<b>Last Depth:</b>	3437 mMDRT	<b>ECD:</b>	1.57 sg reaming
<b>Progress:</b>	No drilling in 24hrs	<b>Mud Type:</b>	SBM Petrofree
<b>TD Lithology:</b>	Volcanics	<b>V: 6 / 3</b>	14 / 13
<b>Water Depth:</b>	56.7 m	<b>Mud Fluid Loss:</b>	3.0 cc
<b>RT Elevation:</b>	21.5 m	<b>Bit Type:</b>	9 1/2" SMITH GF210D Nozzle: 3x28

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## OPERATIONS SUMMARY

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

Complete PEX-XPT-CMR logging run. Rigged down logging equipment. Made up BHA and ran in hole to shoe @995m MDRT. Slipped and cut drilling line, serviced TDS and blocks. Ran in hole to 2590m MDRT (tool depth), commenced logging with LWD/MWD (GR and Resistivity) to 2627m MDRT (tool depth).

PEX-XPT-CMR summary

Completed wireline Suite 1, total time 28hrs 45min. No lost time.

Run (1) PEX-XPT-CMR

PEX logged from 3434 - 1700m

GR logged from 3434 - 85m

CMR logged from 3124 - 2539m

XPT 3379 - 2543m 50pre-tests (valid 17, low permeability 31, supercharged 2)

**06:00 Update**

Reaming / LWD logging (Gamma and Resistivity) sand at 3280 – 3333m (bit depth), while running into the hole.

**NEXT 24 HOURS:**

Ran in hole. Ream / LWD log (Gamma and Resistivity) sand int. 2590-2698m, 3025-3138m, 3195-3248m, 3280-3333m, 3355-3418m. Drill ahead 9 1/2" hole to TD.

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## GEOLOGICAL SUMMARY

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**LITHOLOGIC DESCRIPTION:**

Interval mMDRT	Description
	No drilling Last 24 hours

**HYDROCARBON FLUORESCENCE:**

INTERVAL (mMDRT)	FLUORESCENCE
	No drilling last 24 hours

**GAS SUMMARY:**

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
Background Reaming while running in hole	0.2	2372	77	25	8	12	4	3

**SURVEYS**

MD	ANGLE	Azi	TVD
projected	bottom	hole	Depth
3423.72	55.65	188.44	2573.1

**FORMATION TOPS**

WD = 56.7 m  
RTE = 21.5 m

FORMATION	PROGNOSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDKB	TVDSS	THICK	MDKB	TVDSS	HI/LO	THICK	DIFF
Sea Floor/ Gippsland Limestone	56	78	n/a	78.2	56	No depth	1077.5	
Lakes Entrance	1172	1150	64	1156.0	1133.5	16.5 HI	64.3	-0.3
Latrobe	1237	1214	241	1221.0	1197.8	16.2 HI	262	+21.0
K/T Boundary	1505	1455	30	1500.5	1460.44	5.4 LO		
Un-named Volcanics	1544	1485	37	1569.0	1514.9	30.0 LO	21	n/a
Kipper Shale	1595	1522	508	1651	1566.4	44.4 LO	505.6	
Admiral Formation (Nexus)	2474	2030	124	2578	2072	42 LO		
Admiral Formation (SRD)	2692	2154						
500 Sands	2692	2154	59					
400 Sands	2794	2213	134					
300 Sands	3028	2347	41					
200 Sands	3100	2388	59					
100 Sands	3203	2447	53					
Observed un-named Sands from cuttings								
Sand 2850 – 2880m				2850	2225			
Sand 3016 – 3026m				3016	2320			
Sand 3050 – 3126m				3050	2338.5			
Sand 3200 – 3230m				3200	2423			
Sand 3267 – 3311m				3267	2461.2			
Sand 3359 – 3412 m				3359	2515.0			
Emperor Volcanics	3296	2500	18+	3412	2545	45 LO		
TD	3327	2518						

**COMMENTS:**

Anadrill Schlumberger LWD sensor to bit distances:

**Note: Density and Porosity sensors and not calibrated and data from these sensors will not be transmitted to town**

Gamma = 13.4 m Resistivity = 16.4 m  
Porosity = 16.7 m Density = 14.6 m  
Caliper = 15.0 m SpectroShort = 17.0 m  
Downhole Pressure = 13.6 m Vibration = 23.1 m  
Directional = 23.8 m  
Max Temp in WL = 118 degree C.  
Schlumberger TD= 3434m and 9 ½" casing shoe = 993m.

**WELLSITE GEOLOGISTS:**

**Mike Woodmansee**

**Achintya Basu**