

## Longtom- 3 ST1



<b>Date:</b>	01-08-2006	<b>Last Casing:</b>	406 mm (16") @ 995.32 mMDRT
<b>Report Number:</b>	2	<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>	343 mm (13½ ")
<b>Depth @ 2400 Hrs:</b>	Top of Cement 1030.0 m	<b>Mud Weight:</b>	1.45 sg
<b>Last Depth:</b>	n/a	<b>ECD:</b>	n/a
<b>Progress:</b>	No drilling Last 24 hours	<b>Mud Type:</b>	SBM Petrofree
<b>TD Lithology:</b>		<b>V: 6 / 3</b>	15 / 14
<b>Water Depth:</b>	56.7 m	<b>Mud Fluid Loss:</b>	5.0 cc
<b>RT Elevation:</b>	21.5 m	<b>Bit Type:</b>	Reed Hycalog RSX616M TFA 1.67

## OPERATIONS SUMMARY

<b>24 HOUR SUMMARY</b> <b>00:00 - 24:00:</b>	Replaced leaking upper seal on slip joint. Make up 10 3/4" casing hanger equipment. Make up 13 1/2" Rotary Steerable assembly. RIH and shallow test LWD at 115m with 650 GPM, run into hole to 637mMDRT.
<b>06:00 Update</b>	Drilling ahead 13 ½" hole at 1057m. Drilling slowly to initiate kick-off from Longtom -3.
<b>NEXT 24 HOURS:</b>	Run in to hole tag cement, initiate kick-off and drill ahead 13 1/2" directional hole.

## GEOLOGICAL SUMMARY

### LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
No Drilling	

### HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
No Drilling	

### GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
No Drilling								

### SURVEYS

Tie in point to Longtom -3 1005m

MD	ANGLE	Azi	TVD
1005	2.32	354.06	1004.78

**FORMATION TOPS**

WD = 56.7 m RTE = 21.5 m								
FORMATION	PROGNOSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDKB	TVDSS	THICK	MDKB	TVDSS	H/LO	THICK	DIFF
Sea Floor/ Gippsland Limestone	56	78	n/a	78.2	56	No depth	1077.5	
Lakes Entrance	1172	1150						
Latrobe	1236	1214						
K/T Boundary	1476	1448						
Un-named Volcanics	1515	1485						
Kipper Shale	1555	1522						
Admiral Formation (Nexus)	1777	1723						
Admiral Formation (SRD)	1963	1889						
500 sand	1963	1889						
400 sand	2166	2043						
300 sand	2366	2160						
200 sand	2502	2237						
100 sand	2584	2284						
Emperor Volcanics	2661	2328						
TD	2733	2370						

**COMMENTS:**

Prognosed measured depths for the formations have been adjusted to the directional plan Longtom-3 ST1 Plan1 Rev1 (2)

Anadrill Schlumberger LWD sensor to bit distances: Resistivity: 11.78m Gamma 11.83m, Ultrasonic Caliper 26.9m, Density: 26.90, Neutron Porosity 27.95m.

**WELLSITE GEOLOGISTS:**

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