

Longtom- 3 ST1



Date:	09-08-2006	Last Casing:	406 mm (16") @ 995.32 mMDRT
Report Number:	10	Leak Off Test:	1.62 sg EMW @ 1008.0 mMDRT
Report Period:	24hrs to 24:00	Current hole size:	343 mm (13½ ")
Depth @ 2400 Hrs:	Cemented back to 2384m	Mud Weight:	1.48 sg
Last Depth:	2563m (TD)	ECD:	N/A sg
Progress:	N/A	Mud Type:	SBM Petrofree
TD Lithology:	2384m cement	V: 6 / 3	12 / 11
Water Depth:	56.0 m	Mud Fluid Loss:	3.2 cc
RT Elevation:	21.5 m	Bit Type:	13 ½" Reed Hycalog DSX616M-A1

OPERATIONS SUMMARY

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

Pulled out of the hole to 2375m. Displaced cement plug. No losses or back flow. Circulated bottoms up. Observed spacer and trace of cement at the shakers. Flow checked (static) Pulled out of the hole. Made up 13 1/2" clean-out assembly. Ran in the hole, resistance encountered at 1613mrt, 40 klb's down weight, encountered resistance at 2165mrt, 40 klb's down weight. Washed down from 2330m to 2355m theoretical top of cement plug at 2347mrt. Observed 10klb's over normal hole drag at 2355mrt. Reamed "cement" from 2355m to 2375mrt with no resistance to drilling parameters. Circulated bottoms up, sample 30% cement / 70% siltstone and sand. Reamed from 2375m to 2384mrt, with 10 klb's WOB and normal drilling parameters. Circulated bottoms up, 90% cement. Pulled out of the hole.

06:00 Update

Racking back BHA.

NEXT 24 HOURS:

Rack back BHA, retrieve wear bushing. Rig up and run 10.3/4" casing.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
2355 - 2375	30% Cement, 70% Siltstone and Sandstone.
2375 – 2384 10 lbs WOB	90% Cement: dominantly firm.

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
	No fluorescence observed

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
Trip gas above cement	1.9	16822	146	26	5	7	5	1
2384m	0.4	4093	93	20	7	5	11	1

SURVEYS

Tie in point to Longtom -3 ST1 is 1005.00m

MD	ANGLE	Azi	TVD	MD	ANGLE	Azi	TVD
2563.00	53.47	190.97	2299.39				
Projection							

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	77.5	56	1096	77.5	56		1104	+8
Lakes Entrance	1172.0	1150.0	64	1182	1160.0	10.0 LO	33.5	-30.5
Latrobe	1236	1214.0	234	1216	1193.5	20.5 HI	261.8	+27.8
K/T Boundary	1476	1448	37	1484	1455.3	7.3 LO	61.3	+24.3
Un-named Volcanics	1515	1485	37	1546	1513.8	28.8 LO	15.0	n/a
Kipper Shale	1555	1522	201	1603	1565.9	43.9 LO	200.8	-0.2
Admiral Formation (Nexus)	1777	1723	163	1830.0	1766.7	43.7 LO	89.0	-74.0
Admiral Formation (SRD)	1963	1889	N/A	1930.0	1855.7	33.3 HI		
500 sand	1963	1889	154	1930.0	1855.7	33.3 HI	159.0	-5.0
400 sand	2166	2043	117	2134.0	2014.7	28.3 HI	102.9	-14.1
300 sand	2366	2160	77	2300.0	2117.6	42.4 HI	68.5	-8.5
200 sand	2502	2237	47	2412.0	2186.1	50.9 HI	62.9	+15.9
100 sand	2584	2284	44					
Emperor Volcanics	2661	2328	N/A	2554.0	2272.7	55.3 HI	N/A	N/A
TD	2733	2370		2563.0	2299.4	70.6 HI		

COMMENTS:

WELLSITE GEOLOGISTS:

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