Longtom-3

Date:	30-07-2006	Last Casing:	406 mm (16") @ 995.32 mMDRT
Report Number:	13	Leak Off Test:	1.62 sg EMW @ 1008.0 mMDRT
Report Period:	24hrs to 24:00	Current hole size:	241 mm (9 1/2")
Depth @ 2400 Hrs:	3485.0 mMDRT	Mud Weight:	1.44 sg
Last Depth:	3482.0 mMDRT	ECD:	1.53 sg
Progress:	3m	Mud Type:	SBM Petrofree
TD Lithology:	Volcanic	V: 6 / 3	13 / 12
Water Depth:	56.7 m	Mud Fluid Loss:	3.0 cc
RT Elevation:	21.5 m	Bit Type:	9 ½" SMITH GF210D Nozzle: 3x28

OPERATIONS SUMMARY

24 HOUR SUMMARY 00:00 - 24:00:	Drilled ahead 9 ½" hole from 3482 – 3485m. Circulated hole clean and pulled out of hole and down load LWD. Rigged up and ran Wireline Logs. Suite (2) Run (1) GR-DSI-AIT Logging time 7 hours 45min. Data acquired GR 3474 - 545m. DSI p&s+upper Dipole 3474 - 955m. DSI p&s 995 - 545m (data became patchy and unreliable above 550m). AIT resistivity 3583 - 995m. Rigged up and commenced running in hole 3 1/2" EUE sacrificial cement string.
06:00 Update	Running into hole with 3 ½" sacrificial cement stinger.
NEXT 24 HOURS:	Mix and pump isolation plug @ 3485m MDRT, pull out of hole to 1150m MDRT, mix and pump kick off plug. Pull out of hole and lay out 16joints of the stinger. Pick up 13 1/2" BHA.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
3482- 3485 Av 3.0 m/hr	**Volcanic rock** VOLCANIC (100%): greenish grey, reddish brown, orange brown, light brown, purple, microcrystalline to fine holocrystalline and equigranular, quartz rich, with green pyroxene, and light occasionally off white feldspar, trace very fine tabular black ilmenite?. Occasionally black and basaltic. The volcanic is occasionally weathered to greenish grey, brownish grey, off white clay, with weathered components often reconstituted together with very strong siliceous cement. Trace mineral filled fractures, very rare amygdales with pyrite fill. Common orange brown, brown/black, angular conchoidal fractured chalcedony, trace banded agate quartz. Common clear, yellow/ orange, rose quartz shards.

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
No fluorescence	

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
3482 - 3485	0.10	1015	165	49	11	12	8	9

SURVEYS

MD	ANGLE	Azi	TVD
3458.77	56.94	187.5	2592.7
3485 projected	58.6	186.88	2606.7

FORMATION TOPS *(Field picks based on LWD Logs*)

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		3485	2585.23	67 LO		

COMMENTS:

All data from Wireline Suite (2) has been uploaded to Interact.

WELLSITE GEOLOGISTS:

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