04-08-2008

24hrs to 24:00

3259 mMDRT

3006 mMDRT

55.97 m (LAT)

41.06 m (LAT)

253 m

Claystone

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Longtom-4 H

Report Number:

Depth @ 2400 Hrs:

Report Period:

Last Depth:

TD Lithology:

Water Depth:

RT Elevation:

Progress:

Date:

Last Casing:

Leak Off Test:

Mud Weight:

Mud Type:

Bit Type:

ECD:

Vis:

Current hole size:

Mud Fluid Loss:

273 mm (10.75") @ 2590.8 mMDRT 1.64 sg EMW 241 mm (9½") 1.45 sg 1.46 sg SOBM 85 sec/qt 3.0cc/30min REED RSR616M-B3

OPERATIONS SUMMARY

24 HOUR SUMMARY 00:00 - 24:00:	Drilling ahead as per DD requirements from 3006m to 3259m (2632.9mTVD).
06:00 Update	Drill ahead 9½" hole as per DD requirements from 3259m to 3400m.
NEXT 24 HOURS:	Continue drilling as per DD requirements to intersect the "100" sands.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT (mTVDSS)	Description
3080 – 3132m	Claystone with minor interbedded Sandstone
	CLAYSTONE: (95%) medium grey to dark grey, moderately firm to firm,
(2556.6 – 2571.3)	amorphous to blocky, dominantly sub blocky, rare finely disseminated
	carbonaceous material, non calcareous
ROP:3 – 27m/hr	SANDSTONE: (5%) very light grey to light grey, clear to translucent grains,
	dominantly soft friable aggregates, very fine to predominantly fine grained,
	angular to sub rounded, rare well rounded, well to very well sorted, moderate
	sphericity, minor light grey argillaceous matrix, poor visual porosity. No Shows.
3132 – 3151m	Sandstone with minor interbedded Claystone
(0	SANDSTONE: (90%) very light grey to light grey, clear to translucent grains,
(2571.3 – 2575.6)	common friable aggregates, minor loose, very fine to very coarse grained,
	predominantly fine, trace coarse and very coarse, angular to sub rounded, rare
ROP: 9 – 32m/hr	well rounded, moderate sphericity, well sorted, minor light grey argillaceous
	matrix, common greyish black lithics, rare fresh and weathered feldspars, trace
	moderate red lithics, trace carbonaceous/coaly fragments, poor visual porosity. No Shows
	CLAYSTONE: (10%) medium grey to dark grey, moderately firm to firm,
	amorphous to blocky, dominantly sub blocky, rare finely disseminated
	carbonaceous material, non calcareous
3151 – 3173m	Claystone
(2575.6 – 2579.7)	Claystone: as above
ROP: 8 – 18 m/hr	

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3173 – 3265m	Sandstone with minor interbedded Claystone
(2579.7-2593.0m)	SANDSTONE: (90%) very light grey to light grey, clear to translucent grains,
ROP: 8 – 31m/hr	common friable aggregates, minor loose, very fine to very coarse grained,
	predominantly fine, trace coarse and very coarse, angular to sub rounded, rare
	well rounded, moderate sphericity, well sorted, minor light grey argillaceous
3173 – 3265m	matrix, common greyish black lithics, rare fresh and weathered feldspars, trace
cont'	moderate red lithics, trace carbonaceous/coaly fragments, poor visual porosity.
	No Shows
	CLAYSTONE: (10%) medium grey to dark grey, moderately firm to firm,
	amorphous to blocky, dominantly sub blocky, rare finely disseminated
	carbonaceous material, non calcareous
3265 – 3340m	Claystone with interbedded Sandstone
(2579.7 – 2594.1)	CLAYSTONE: (80-90%) medium grey to dark grey, soft to firm, dominantly firm,
	sub blocky to blocky, dominantly blocky, rare finely disseminated carbonaceous
ROP: 17- 47m/hr	material, non calcareous
	Sandstone: (10-20%) as above

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
3080 - 3340	Nil

GAS SUMMARY:

INTERVAL (mMDRT)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
3080 – 3132m	0.07 -0.2	483- 1296	3-14	2-8	-	-	-	-
3132 – 3151m Broad peak	1.73	15250	194	65	6	9	1	1
3151 – 3173m	0.07- 0.l34	322- 4994	7-68	4-25	0-2	0-3	-	-
3173 – 3265m	0.7-1.1	4458- 13210	43-159	19-59	0-5	1-7	0-1	0-1
3239m Peak	2.65	22377	293	101	10	13	2	2
3265 -3340m	0.1-0.76	389- 7349	3-76	3-33	0-3	0-5	-	-

SURVEYS

MD	ANGLE	Azi	TVD			
3313.51	90.41	179.55	2635.6			
3343.47	93.13	182.41	2634.7			
3373.36	94.02	181.60	2632.8			

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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								

COMMENTS:

Surveys are from the Exceed tool. Ultrasonic Caliper continues providing erroneous data

MWD/LWD Sensor Offsets BHA # 7 (Anadrill), Bit # 10

Sensor	Distance to bit	Record Rate
Gamma Ray	9.73 m	2 seconds
Resistivity	12.77 m	2 seconds
Thermal Neutron Porosity	13.17 m	4 seconds
Density	10.98 m	4 seconds
Spectroscopy	13.32 m	4 seconds
Ultrasonic Caliper	11.35 m	4 seconds
Pressure Whilst Drilling	9.89 m	4 seconds
Direction & Inclination	20.08 m	

Tools have 227 hours remaining memory (circulation time above 400GPM) 06:00hrs

Water depth and RT elevation are referenced to LAT. RT to Sea Level (LAT) = 41.06m
RT to Sea Red = 07.00

- Water Depth = 55.97m (LAT)

WELLSITE GEOLOGISTS: Cliff Menhennitt Hamish Little

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