

**DAILY GEOLOGICAL REPORT**

<b>Date:</b>	10 August 2009	<b>Rig:</b>	Ocean Patriot
<b>Report Number:</b>	18	<b>Bit Diameter:</b>	216 mm
<b>Report Period:</b>	00:00 - 24:00 Hours	<b>Last Casing:</b>	244 mm @ 2910.9 mMDRT
<b>Spud Date:</b>	22-Jul-2009 03:00 Hours	<b>FIT:</b>	1.56 sg EMW @ 2910.9 mMDRT
<b>Days From Spud:</b>	19.9	<b>Mud Weight:</b>	1.14 sg
<b>Depth @ 2400 Hrs:</b>	3921 mMDRT	<b>ECD:</b>	
	3311.4 mTVDRT	<b>Mud Type:</b>	KCl-KlaStop-Polymer
	3289.9 mTVDMSL	<b>Mud Chlorides:</b>	43,000 mg/L
<b>Lag Depth:</b>	3921 mMDRT	<b>Est. Pore Pressure:</b>	
<b>Last Depth:</b>	3921 mMDRT	<b>DXC:</b>	
<b>Progress:</b>	-	<b>Last Survey:</b>	3921 mMDRT
<b>Water Depth:</b>	154.2 m	<b>Deviation:</b>	Inc. 25.06°
<b>RT:</b>	21.5 m		Az. 156.25°

**OPERATIONS SUMMARY**

**24 HOUR SUMMARY:** Ran in hole with MDT on drill pipe to 2882 mMDRT. Slipped and cut drill line. Pumped down wireline wet connector to 2850 mMDRT and connected into MDT tool string. Ran in hole with MDT on drill pipe/wireline to 3527.5 mMDRT. Performed MDT logging from 3527.5 to 3820 mMDRT.

**NEXT 24 HOURS:** Complete MDT logging. Pull out of hole with MDT on drill pipe to surface.

**CURRENT OPERATION @ 06:00 HRS (11-Aug-2009):** Performing MDT logging at 3903 mMDRT.

**GEOLOGICAL SUMMARY****PROVISIONAL FORMATION TOPS**

Formation Name	Prognosed Depths			Actual Depths			Diff. TVT (m)	Picks Based On
	MD (m)	TVDRT (m)	TVDMSL (m)	MD (m)	TVDRT (m)	TVDMSL (m)		
Gippsland Limestone	176.5	176.5	(155)	175.7	175.7	(154.2)	0.8 H	
Lakes Entrance Fm	2094.8	1816.4	(1794.9)	2100	1824.4	(1802.9)	8.0 L	Subtle change in lithology
Top Latrobe Group	2501.2	2142.3	(2120.8)	2495	2137.4	(2115.9)	4.9 H	Increase in GR & RES
Zone 0	3545.4	2985.4	(2963.9)	3528.4	2970.1	(2948.6)	15.3 H	
K2 Sandstone Marker (revised)	3034	2571	(2549.5)	3054	2588	(2566.5)	17.1 L	GR & RES drop
Zone 2	3658.1	3076.3	(3054.8)	3640.7	3064.1	(3042.6)	12.2 H	
Zone 6	3835.3	3219.1	(3197.6)	3804.1	3206	(3184.5)	13.1 H	
Top Volcanics	3901	3272	(3250.5)	3878.6	3273.1	(3251.6)	1.1 L	
Total Depth	3951	3312.3	(3290.8)	3920.9	3311.4	(3289.9)	0.9 H	

**WELLSITE GEOLOGISTS**

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