

**DAILY GEOLOGICAL REPORT**

<b>Date:</b>	11 August 2009	<b>Rig:</b>	Ocean Patriot
<b>Report Number:</b>	19	<b>Bit Diameter:</b>	216 mm
<b>Report Period:</b>	00:00 - 24:00 Hours	<b>Last Casing:</b>	244 mm @ 2910.9 m MDRT
<b>Spud Date:</b>	22-Jul-2009 03:00 Hours	<b>FIT:</b>	1.56 sg EMW @ 2910.9 m MDRT
<b>Days From Spud:</b>	20.9	<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:** Performed MDT logging from 3902 to 3391 mMDRT. Pulled out of hole to 2856 mMDRT to troubleshoot wireline communication problem. Cut out pinch in wireline at side entry sub. Ran in hole with MDT and logged to 2628 mMDRT.

**NEXT 24 HOURS:** Complete MDT logging. Pull out of hole with MDT on drill pipe and rig down. Run 178 mm (7") casing.

**CURRENT OPERATION @ 06:00 HRS (12-Aug-2009):** Pumping out on the last point of the MDT run, 3628.5 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	

**REMARKS**

2 Mudloggers, 1 Sample Catcher, 1 Directional Driller and 3 LWD Engineers to town today.

**WELLSITE GEOLOGISTS**

Ian Walker / Joann Cooper / Shane Robbie