



## DAILY GEOLOGICAL REPORT

<b>Date:</b>	07 August 2009	<b>Rig:</b>	Ocean Patriot
<b>Report Number:</b>	15	<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>Integrity Test:</b>	1.56 sg EMW @ 2910.9 mMDRT
<b>Days From Spud:</b>	16.9	<b>Mud Weight:</b>	1.10 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>	44,000 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>	0 m	<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 fishing assembly whilst over-stripping wireline to 3415 mMDRT. Pulled out of hole with HNGS-PEX-HRLA logging tool string on drill pipe to surface. Laid out logging string. Work boat with FEWD Eco-scope delayed due to weather conditions. Performed BOP function test and made up and racked back FEWD assembly while waiting on final components from the boat.

**NEXT 24 HOURS:** Run in hole with GR/Res/Den-Neu FEWD on drill pipe and perform logging run from 2910 to 3921 mMDRT. Circulate and condition hole. Pull out of hole with GR/Res/Den-Neu on drill pipe and ream tight sections as required. Run in hole with MDT logging string on drill pipe.

**CURRENT OPERATION @ 06:00 HRS (08-Aug-2009):** Waiting on weather to retrieve logging tools from boat.

## GEOLOGICAL SUMMARY

### MUDLOGGING EQUIPMENT / PERSONNEL

2 Data Engineers, 2 Mudloggers, 2 Sample Catchers on board

2 Flair Engineers on board.

### MWD

3 LWD Engineers, 1 Directional Driller on board.

### WIRELINE

2 Engineers, 5 Operators on board.

**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**

Ian Walker / Joann Cooper / Shane Robbie