



## DAILY GEOLOGICAL REPORT

<b>Date:</b>	09 August 2009	<b>Rig:</b>	Ocean Patriot
<b>Report Number:</b>	17	<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>	18.9	<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°

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## OPERATIONS SUMMARY

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**24 HOUR SUMMARY:** Washed and reamed in hole on drill pipe to perform MAD (measured after drilling) logging with LWD tools from 3528 to 3921 mMDRT. Pulled out of hole with GR-Res-Den-Neu BHA on drill pipe to surface. Ran in hole with MDT logging string on drill pipe to 1702 mMDRT.

**NEXT 24 HOURS:** Run in hole and perform MDT logging on drill pipe.

**CURRENT OPERATION @ 06:00 HRS (10-Aug-2009):** Rigging up wireline sheaves and side entry sub.

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## GEOLOGICAL SUMMARY

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### 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.

Replaced wireline spool and prepared MDT for running on drill pipe.

**PROVISIONAL FORMATION TOPS**

Formation Name	Prognosed Depths			Actual Depths			Diff. TVT (m)	Picks Based On
	MD (m)	TVDRT (m)	TVDM SL (m)	MD (m)	TVDRT (m)	TVDM SL (m)		
Gippsland Limestone	176.5	176.5	(155.0)	175.7	175.7	(154.2)	0.8 H	
Lakes Entrance Fm	2094.8	1816.4	(1794.9)	2100.0	1824.4	(1802.9)	8.0 L	Subtle change in lithology
Top Latrobe Group	2501.2	2142.3	(2120.8)	2495.0	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)	3034.0	2571.0	(2549.5)	3054.0	2588.0	(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	3206.0	(3184.5)	13.1 H	
Top Volcanics	3901.0	3272.0	(3250.5)	3878.6	3273.1	(3251.6)	1.1 L	
Total Depth	3951.0	3312.3	(3290.8)	3920.9	3311.4	(3289.9)	0.9 H	

**WELLSITE GEOLOGISTS**

Ian Walker / Joann Cooper / Shane Robbie