

**DAILY GEOLOGICAL REPORT**

Date:	29 July 2009	Rig:	Ocean Patriot
Report Number:	6	Bit Diameter:	311 mm
Report Period:	00:00 - 24:00 Hours	Last Casing:	340 mm @ 1056.6 mMDRT
Spud Date:	22-Jul-2009 03:00 Hours	FIT:	1.56 sg EMW @ 1056.6 mMDRT
Days From Spud:	7.9	Mud Weight:	1.16 sg
Depth @ 2400 Hrs:	2918 mMDRT	ECD:	
	2474.9 mTVDRT	Mud Type:	KCl-KlaStop-Polymer
	2453.4 mTVDMSL	Mud Chlorides:	46,000 mg/L
Lag Depth:	2918 mMDRT	Est. Pore Pressure:	
Last Depth:	2918 mMDRT	DXC:	
Progress:	0 m	Last Survey:	2876.96 mMDRT
Water Depth:	154.2 m	Deviation:	Inc. 37.06°
RT:	21.5 m		Az. 144.65°

OPERATIONS SUMMARY

24 HOUR SUMMARY: Circulated bottoms-up and pulled out of hole. Racked back BHA and downloaded LWD data. Ran 244 mm (9 5/8") casing to a midnight depth of 771 mMDRT.

NEXT 24 HOURS: Run and cement 244 mm (9 5/8") casing. Pressure test BOP.

CURRENT OPERATION @ 06:00 HRS (30-Jul-2009): Running 244 mm (9 5/8") casing at 1944 mMDRT.

GEOLOGICAL SUMMARY**LITHOLOGY**

No new samples.

MUDLOGGING EQUIPMENT / PERSONNEL

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

MWD

2 Directional Drillers, 3 LWD Engineers 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 L	Subtle change in lithology
Top Latrobe Group	2501.2	2143.9	(2122.4)	2495	2137.3	(2115.8)	6.6 H	Increase in GR & RES
K2 Sandstone Marker	2946.1	2502.5	(2481)				-	
Zone 0	3545.4	2985.4	(2963.9)				-	
Zone 2	3658.1	3076.3	(3054.8)				-	
Zone 6	3835.3	3219.1	(3197.6)				-	
Top Volcanics	3901	3272	(3250.5)				-	
Total Depth	3951	3312.3	(3290.8)				-	

WELLSITE GEOLOGISTS

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