

**DAILY GEOLOGICAL REPORT**

<b>Date:</b>	12 August 2009	<b>Rig:</b>	Ocean Patriot
<b>Report Number:</b>	20	<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>	21.9	<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 m MDRT	<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:** Completed MDT logging. Pulled out of hole with MDT on drill pipe and rigged down. Picked up and ran 178 mm (7") casing to 146 mMDRT.

**NEXT 24 HOURS:** Run and cement 178 mm (7") casing. Run cleanout string.

**CURRENT OPERATION @ 06:00 HRS (13-Aug-2009):** Running 178 mm (7") casing on drill pipe.

**GEOLOGICAL SUMMARY****MUDLOGGING EQUIPMENT / PERSONNEL**

2 Data Engineers on board  
2 Flair Engineers on board.

**WIRELINE**

2 Engineers, 3 Operators on board.  
Recovered the 4 MPSR sample chambers.

**WATER BASED MUD DATA**

DATE MUD CHECK	MUD TYPE	MW (sg)	pH	KCl (%)	Cl (mg/L)	Barite (%)	Rm (ohm.m)	Rmf (ohm.m)	Rmc (ohm.m)
10-Aug- 2009	KCL-Klastop	1.14	10	7.75	44	0.2	0.104	0.096	0.198



**RUN SUMMARY**

Run #	Tool String	Log From Depth (m)	Log To Depth (m)	Repeat From Depth (m)	Repeat To Depth (m)	Comments
1	PEX-HRLA-DSI-FMI-HNGT	2916.0	0.0	0.0	0.0	Hung up at 3550 mMDRT while running in hole. Pulled back to 3480 mMDRT and observed overpull to 9600 lb tension. Decision made to POOH and break tools into 2 runs.
2	HNGS-PEX-HRLA	2915.0	0.0	0.0	0.0	Ran in with HNGS-PEX-HRLA to 3446 mMDRT where the string lost 400 lb weight. Pulled back to 3415 mMDRT where the tool became stuck and could not be freed. Rigged up for wireline fishing operations.
3	MDT-GR	3155.0	3907.1	0.0	0.0	This run was done on drill pipe.

**TEMPERATURE DATA**

Date Mud Checked: 10-Aug-2009  
 Date Time Circulation Stopped: 09-Aug-2009 09:56 PM  
 Circulation Time: 2.00 h

Run #	Run Date	Tool String	Max BHT (degC)	Max BHT Depth (m)	Date Time Logger on Bottom	Time Since Circ. Stopped (h)
1	8/5/2009	PEX-HRLA-DSI-FMI-HNGT	0.00	0.0		
2	8/6/2009	HNGS-PEX-HRLA	0.00	0.0		
3	8/10/2009	MDT-GR	114.00	3294.8	11-Aug-2009 06:24	32.47

**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)	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	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**

Final Geological Report for Basker-7.

**WELLSITE GEOLOGISTS**

Ian Walker / Joann Cooper / Shane Robbie