

## **DAILY GEOLOGICAL REPORT**

<b>Date:</b>	08 September 2009	<b>Rig:</b>	Ocean Patriot
<b>Report Number:</b>	3	<b>Bit Diameter:</b>	17.50 in
<b>Report Period:</b>	06:00 - 06:00 Hours	<b>Last Casing:</b>	30" csg, 20" shoe track @ 151.4 m MDRT
<b>Spud Date:</b>	05-Sep-2009 21:00 Hours	<b>Integrity Test:</b>	N/A
<b>Days From Spud:</b>	2.4	<b>Mud Weight:</b>	8.80 ppg
<b>Depth @ 0600 Hrs:</b>	428.0 m MDRT	<b>ECD:</b>	8.90 ppg
	428.0 m TVDRT	<b>Mud Type:</b>	Sea Water & PHG
	-406.5 m TVDSS	<b>Mud Chlorides:</b>	-
<b>Lag Depth:</b>	-	<b>Est. Pore Pressure:</b>	-
<b>Last Depth:</b>	155.0 m MDRT	<b>DXC:</b>	-
<b>Progress:</b>	273.0 m	<b>Last Survey:</b>	338.42 m MDRT
<b>Water Depth:</b>	74.0 m	<b>Deviation:</b>	Inc. 0.08°
<b>RT:</b>	21.5 m		Az. 102.37°

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## **OPERATIONS SUMMARY**

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**24 HOUR SUMMARY:** Picked up 8" drill collars and racked in derrick. Conducted rig maintenance while waiting on LWD engineers to prepare 17 1/2" tools. Made up 17 1/2" drilling assembly, ran in hole, shallow tested LWD tools - good test. Ran in hole 17 1/2" drilling assembly, tagged top of cement at 148.4 mMDRT, drilled cement & shoe track. Drilled 17 1/2" hole section from 155.0 to 428.0 mMDRT.

**NEXT 24 HOURS:** Drill 17 1/2" hole section to ~810.0 mMDRT. Circulate and condition well, conduct wiper trip to casing shoe. Pull out of hole to run 13 3/8" casing. Run and cement 13 3/8" casing.

**CURRENT OPERATION @ 06:00 HRS (08-Sep-2009):** Drilling 17 1/2" hole in the Torque Group at 50-60 m/hr.

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## **GEOLOGICAL SUMMARY**

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### **LITHOLOGY**

Returns to sea floor.

### **SAMPLE QUALITY**

Returns to sea floor.

### **MWD**

Sensor Offsets:

GR	: 5.80 m
Res	: 5.75 m
Directional	: 13.98 m
Sonic	: 23.45 m

**PROVISIONAL FORMATION TOPS**

Formation Name	Prognosed Depths			Actual Depths			Diff. TVT (m)	Picks Based On
	MD (m)	TVDRT (m)	TVDSS (m)	MD (m)	TVDRT (m)	TVDSS (m)		
Recent Carbonates	118.0	118.0	(96.5)	95.5	95.5	(74.0)	22.5 H	Offset Stratigraphy
Torquay Group (Reefal Carbonate)	138.0	138.0	(116.5)	131.0	131.0	(109.5)	7.0 H	ROP
Torquay Group (Marl)	718.0						-	
Oligocene Sandstones (Lower Torqay Group)	1023.0						-	
Demons Bluff Formation	1398.0						-	
Upper Eastern View Group	1478.0						-	
Middle Eastern View Group	1868.0						-	

**SURVEY DATA**

MD (m)	Inc (°)	Azi (°)	TVD (m)	TVDSS (m)	V.Sec (m)	Dogleg (°/100ft)	E/W (m)	N/S (m)
155.0	0.00	0.00	155.0	133.5	0.00	0.00	0.00	0.00
206.9	0.26	42.95	206.9	185.4	0.09	0.15	0.08	0.09
294.9	0.36	50.37	294.9	273.4	0.41	0.04	0.43	0.41
338.4	0.08	102.37	338.4	316.9	0.49	0.22	0.56	0.49

**WELLSITE GEOLOGISTS**

Fred Fernandes