

## DAILY GEOLOGICAL REPORT

<b>Date:</b>	28 November 2008	<b>Rig:</b>	Ocean Patriot
<b>Report Number:</b>	3	<b>Bit Diameter:</b>	406 mm
<b>Report Period:</b>	06:00 - 06:00 Hours	<b>Last Casing:</b>	762mm Casing @ 460.6 mMDRT
<b>Spud Date:</b>	27-Nov-2008 13:00 Hours	<b>Integrity Test:</b>	N/A
<b>Days From Spud:</b>	0.7	<b>Mud Weight:</b>	1.03 sg
<b>Depth @ 0600 Hrs:</b>	520.0 mMDRT	<b>ECD:</b>	1.04 sg
	-498.5 mTVDAHD	<b>Mud Type:</b>	Seawater with gel sweeps
<b>Lag Depth:</b>	520.0 mMDRT	<b>Mud Chlorides:</b>	N/A
<b>Last Depth:</b>	414.1 mMDRT	<b>Est. Pore Pressure:</b>	1.04 sg
<b>Progress:</b>	105.9 m	<b>Last Survey:</b>	N/A
<b>Water Depth:</b>	392.6 m	<b>Deviation:</b>	N/A
<b>RT:</b>	21.5 m		N/A

### OPERATIONS SUMMARY

**24 HOUR SUMMARY:** Spudded Dory-1 and drilled to section TD of 460.6 mMDRT. Ran and cemented the 762 mm (30") conductor and PGB (Permanent Guide Base). Made up the 406 mm BHA, ran in hole and drilled out 762 mm casing shoe and then drilled ahead 406 mm hole to 520.0 mMDRT.

**NEXT 24 HOURS:** Drill 406 mm hole to section TD of +/-1400.0 mMDRT. Run and cement 340 mm casing.

**CURRENT OPERATION**

**@ 06:00 HRS (28-Nov-2008):** Drilling ahead riserless in 406 mm open hole.

### GEOLOGICAL SUMMARY

**LITHOLOGY**

**INTERVAL:** 414.1 to 520.0 mMDRT (-392.6 to -498.5 mTVDAHD)  
**ROP (Range):** 2.0 to 461.0 m/h  
**Av. ROP:** 181.0 m/h

Returns to Seabed

**MUDLOGGING EQUIPMENT / PERSONNEL**

All systems operational. Still have virus issues.

**MWD**

Run #2, Bit Run #2: 406 mm LWD Tool offsets to bit:

Tool	Serial #	Distance to bit (m)
Gamma Ray	DGR LWD	10.16
Resistivity	EWR LWD	12.62
Direction and Inclination	PCDC 242	17.61
BAT Sonic	BAT LWD	24.68

No data acquired by report time as initial flow rates (800 gpm) were not sufficient for detection (1100 gpm required).

**REMARKS**

This is the first Daily Geological Report for Madfish-1. The report number matches the Daily Drilling Report number.

The Ocean Epoch came on hire for Madfish-1 when the rig was 1 km from the proposed location at 22:00 hours on 25 November, 2008. The anchors were run and set by 18:30 hours on 26 November, 2008, with the rig position of:

Latitude: 38° 39' 24.823" South  
Longitude : 148° 31' 24.486" East

Easting 632 558 mE  
Northing 5 720 196 mN

This position is 2.66 m on a bearing of 38.25° (T) from the intended location. Final rig heading is 230.5° (T).

Final height data for Madfish-1:

RT to AHD 21.5 m  
Water Depth 392.6 m  
RT to Seabed 414.1 m

A 660 mm (26") bit with 914 mm (36") hole opener was picked up and run in hole, tagging the sea bed (mudline) at 414.1 mMDRT (tide corrected). Madfish-1 was spudded at 13:00 hours on 27 November 2008 and the 914 mm hole was drilled from 414.1 to 460.6 mMDRT. The BHA was pulled out of the hole, and the 762 mm (30") conductor and PGB (Permanent Guide Base) was run and cemented with the shoe at 460.6 mMDRT.

Pulled out of hole and laid down CART. The BHA with MWD / LWD tools was made up with a 406 mm bit and the tools shallow tested - good. Ran in hole and drilled out 762 mm casing shoe and then drilled ahead 406 mm hole to 520.0 mMDRT.

#### **WELLSITE GEOLOGISTS**

Greg Fawns