

# DAILY GEOLOGICAL REPORT

## Gilbert-1A

**Report No. 2**  
**Report Period: 00:00 – 24:00 hrs, 5th October 2005**

		<b>Wellsite Geologists:</b> Geoff Geary / Rob Blackmore			
<b>Rig</b>	Ocean Patriot	<b>WD (m)</b>	51.3 m	<b>Depth @ 00:00 hrs</b>	107.0 m (85.5 m TVDSS)
<b>Rig Type</b>	Semi-Submersible	<b>RT (m)</b>	21.5 m	<b>Depth Last Report</b>	78.0 m (56.5 m TVDSS)
			762 mm (30x20") @		
<b>Spud</b>	04/10/05 23:30 hrs	<b>Last CSG (mRT)</b>	106.0 mMDRT	<b>24hr. Progress</b>	29.0 m
<b>Days from Spud</b>	2	<b>MW (SG)</b>	1.05 sg	<b>Last Survey</b>	Not available
<b>Bit Size</b>	445 mm (17 1/2")	<b>Last LOT (SG)</b>	N/A	<b>Est.Pore Pressure</b>	1.02 sg @ 107.0 m

### Operations Summary

<b>24hrs. Drilling Summary</b>	Drilled ahead in 914 mm (36") hole to 107.0 mMDRT. Ran 762 x 508mm (30 x 20") conductor and landed same at 106.0 mMDRT. Cemented conductor in place. Began making up 445 mm (17 1/2") BHA.			
<b>Current Status @ 06:00hrs</b> (6 <sup>th</sup> October 2005)	Drilling ahead in 445 mm (17 1/2") hole at 226.0 mMDRT. No downhole surveys available from LWD tools. Gamma-Resistivity logs appear normal.			
<b>Lithological Summary</b> 00:00-06:00 hrs	No returns to surface.			B-grd Gas % ave    max N/A    N/A
<b>Expected Next Activity</b>	RIH to tag cement. Drill out shoe and drill ahead to section TD. Run 340 mm (13 3/8") casing and cement in place. Run BOP.			

### Cuttings Descriptions

Depth (mRT)	ROP (m/hr.)	Descriptions (Lithology / Shows)		Backgrnd gas%	
Top    BTM	Min.-Max. (Ave.)			ave	max
78    107	1.8 - 36.4 (15.7)	No returns to surface.		N/A	N/A
107    223	16.2 - 111.2 (44.6)	No returns to surface.		N/A	N/A

### Mud Data

@ 107.0 mRT

Mud Type	MW (sg)	Viscosity PVYP	API Fluid Loss (cc)	HTHP Fluid Loss (cc)	LGS %	Ph	Glycol (mg/l)
Seawater & PHG sweeps	1.05						

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### Provisional Formation Tops

Formation (Seismic Horizon)	Prognosed** (mRT)	Actual* (mRT)	Difference (High/Low) (m)	Based on
Sea bed (sf)	71.5	72.8	1.3 L	Seabed survey
Lakes Entrance Fm	425.5			
Gumard Fm	616.5			
Latrobe Coarse Siliciclastics	672.5			
Strzelecki Group	795.5			
Total Depth	910.5			

\* Wellsite pick

### Comments

Schlumberger wireline tools onboard next boat heading to the rig (ETA Ocean Patriot on Friday).

Geoservices' RPM sensor currently functioning.

**LWD sensor offsets (distance from the bit):**

Resistivity = 34.08 m

Gamma = 37.13 m

Directional = 40.41 m

### Gilbert-1A Final Location

Intended Location		Final Actual Location	
BSOC Drilling Program		DGPS Observations	
Ellipsoid	GDA94	Ellipsoid	GDA94
Latitude	37° 57' 10.64" S	Latitude	37° 57' 10.72" S
Longitude	148° 22' 26.02" E	Longitude	148° 22' 25.90" E
Projection	MGA94	Projection	MGA94
Easting	620 704.05	Easting	620 701.1
Northing	5 798 514.44	Northing	5 798 512.1
Zone	55	Zone	55
Central Meridian	147° E	Central Meridian	147° E
Rig Heading	250° True	Rig Heading	248.2° True
Position Tolerance	±10m		

The Actual Location is 3.7 metres on True Bearing of 231.3° **FROM** Gilbert-1 Intended Well Location.

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