

**Basker-4**

Date : 13 May 2006

Geology Report Number : 11

(associated DDR # 17)

Well Details

Depth MDRT:	3133.0m	Rig:	OCEAN PATRIOT	Date:	13 May 2006
Depth TVDBRT:	2955.2m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	2933.7m	LAT amsl:	154.5m	Report End:	24:00
Progress:	17.0m	Last Csg Size:	13.375in	Days On Location:	15.44
Hole Size:	12.250in	Last Csg. Shoe (TVD):	987.2m	Days since Spud:	75.50
Hole Size Carbide:		Last Csg. Shoe (MD):	998.5m		
		F.I.T. / L.O.T.:	12.50ppg /		

Operations Summary

24hr Summary:	<p>Drilled the interval 3116-3130m MDRT and decision made to POOH for bit change. POOH, change bit and laid down 'geo-pilot', RIH , tagged bottom at 2320 hrs and drilled interval 3130-3133m MDRT to 2400 hrs.</p> <p>3116 - 3133m MDRT Interbedded Sandstone (loose fine to very coarse), Argillaceous Sandstone (very fine to fine grained), Silty Claystone (gradational to Carbonaceous Claystone) and thin Coal. ROP 2.0 - 43 m/hr 7.2 m/hr average ROP Background gas 0.5%TG Trip Gas at 3130m 1% C1 6752 ppm, C2 817 ppm, C3 418 ppm, IC4 73 ppm, NC4 117 ppm, C5 72 ppm.</p>
Forward Plan:	Drill ahead 311mm hole to TD.

WBM Data

Mud Type: PHPA/KCL/Glycol	Flowline Temp:	Cl:	45000mg/l	Low Gravity Solids:	Viscosity	64sec/qt
Sample From: Active pit	MWD Circ Temp:	Hard/Ca:	480mg/l	High Gravity Solids:	PV	18cp
Time: 21:00	Glycol CP Temp:	MBT:	4.5	Solids (corrected):	YP	35lb/100ft ²
Weight: 9.50ppg	Glycol: 2.8%vol	PM:	0.2	H2O: 91%	Gels 10s	9
ECD TD:	Nitrates:	PF:	0.05	Oil: 0%	Gels 10m	16
ECD Shoe:	Sulphites:	MF:	0.5	Sand: .25	Fann 003	8
ECD Cuttings:	API FL: 4.1cc/30min	pH:	8.5	Barite:	Fann 006	11
KCl Equiv: 8%	API Cake: 1/32nd"	PHPA Excess:			Fann 100	34
					Fann 200	45
					Fann 300	53
					Fann 600	71

Formation Tops

Formation	Prognosed		Actual		Diff.	Thickness (MD)	Pick Criteria
Lake Entrance Fm	1820.00	1725.00	1824.50	1728.50	-3.50	365.50	LWD GR-RES
Latrobe Gp	2190.00	2068.00	2190.00	2065.20	2.80	609.00	LWD GR-RES
K2 Sandstone "marker"	2775.00	2591.50	2799.00	2612.30	-20.80	251.00	LWD and Sample
Ma2 Sandstone	3045.00	2857.50	3050.00	2852.00	5.50	0.00	LWD GR-RES

Gas

Depth Range	Gas Type	Total Gas (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	iC4 (ppm)	nC4 (ppm)	C5 (ppm)	C1/C2 (ppm)	C1/C3 (ppm)	F1* (ppm)	F2* (ppm)	F3* (ppm)
3116.00 - 3130.00	Background	0.20	1063	129	68	12	16	28	8.24	15.63	37.96	28	197

Comment:

F1*: C1 / C5

F2*: iC4 + nC4

F3*: (C2 + C3) / (C5 / (iC4 + nC4))



06:00 Hrs Update

Time:	06:00 Hrs on 14 May 2006
Depth:	3162 /2984
Progress Since Midnight:	29
Drilling Status:	Drilling 311mm (12 1/4") hole at 3162m MDRT
Formation:	Latrobe Group below Ma2 Marker
Lithology:	Interbedded Sandstone (loose medium to coarse), Argillaceous Sandstone (Matrix supported, very fine to fine), Silty Claystone (occasionally very carbonaceous) and trace Coal.
ROP:	2.5 - 37 m/hr 6.8 m/hr average
Gas:	Background 0.3% C1 2012 ppm, C2 201 ppm, C3 89 ppm, IC4 12 ppm, NC4 19 ppm, C5 19 ppm Peak @ 3136.5m 1.2% C1 9283 ppm, C2 915 ppm, C3 341 ppm, IC4 43 ppm, NC4 61 ppm, C 5 38 ppm. Peak @ 3158m 1.2% C1 9080 ppm, C2 857 ppm, C3 353 ppm, IC4 48 ppm, NC4 71 ppm, C5 48 ppm.

Wellsite Geologist(s)

(Days) - Mike Woodmansee (Nights) - Stuart Duff

Lithology Report

Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
2960.0	2965.0	Clyst	40	sly	Claystone, lt - med brnsh gy, very soft to soft, sub-blocky to amorphous, 25% siliceous clay, 75% siliceous silt, 5% coal.
3130.0	3135.0	Sst	5	arg	Sandstone, lt gy, lt brn, very soft to firm, sub-blocky to amorphous, sub-angular to rounded, to well sorted, slightly elongated to slightly spherical, 40% siliceous clay, 15% siliceous silt, 45% siliceous sand, 60% very fine grained, 40% fine grained, 1% coal, trace of pyrite, 8% porosity.
3130.0	3135.0	Clyst	90	sly	Claystone, lt gy, v lt - dk brnsh gy,, soft to firm, sub-blocky to sub-fissile, 70% siliceous clay, 30% siliceous silt, 5% coal.
3130.0	3135.0	Sst	5		Sandstone, clr-transl quartz grains, loose to friable, angular to sub-rounded, moderately sorted, elongated to slightly spherical, 15% siliceous clay, 85% siliceous sand, 10% fine grained, 30% medium grained, 50% coarse grained, 10% very coarse grained, trace of silica cement, trace of pyrite, 20% porosity.