

**Basker-3**

Date : 10 Apr 2006

Geology Report Number : 9

( associated DDR # 14 )

**Well Details**

Depth MDRT:	2864.0m	Rig:	OCEAN PATRIOT	Date:	10 Apr 2006
Depth TVDBRT:	2286.0m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	2264.5m	LAT amsl:	152.9m	Report End:	24:00
Progress:	175.0m	Last Csg Size:	13.375in	Days On Location:	12.27
Hole Size:	12.250in	Last Csg Shoe:	999.1m	Days since Spud:	40.81
Hole Size Carbide:		F.I.T. / L.O.T.:	12.50ppg /		

**Operations Summary**

24hr Summary:	<p>Ran in hole with TCI bit. Drilled ahead from 2689.0 mMDRT to 2864.0 mMDRT through interbedded Sandstone, Argillaceous Siltstone and Claystone of the Latrobe Group. Top of the Latrobe Group picked at 2670.0 mMDRT.</p> <p>2689.0 - 2742.0 mMDRT Interbedded Sandstone and Argillaceous Siltstone. ROP = 1.8 - 79.0 m/hr Average = 20.0 m/hr Background Gas = 0.2 %</p> <p>Base Tuna Flounder Channel picked at 2742.0 mMDRT.</p> <p>2742.0 - 2864.0 mMDRT Massive Sandstone with occasional Silty Claystone interbeds. ROP = 1.6 - 85.0 m/hr Average = 26.0 m/hr Background Gas = 0.2 %</p>
Forward Plan:	Drill ahead 311 mm (12 1/4") hole in Latrobe Group to TD.

**WBM Data**

Mud Type:	KCL/PHPA/Glycol	Flowline Temp:		Cl:	40000mg/l	Low Gravity Solids:		Viscosity	60sec/qt
Sample From:	Active pit	MWD Circ Temp:		Hard/Ca:	480mg/l	High Gravity Solids:		PV	15cp
Time:	22:00	Glycol CP Temp:		MBT:	10	Solids (corrected):		YP	40lb/100ft <sup>2</sup>
Weight:	9.60ppg	Glycol:	3.4%vol	PM:	0.05	H2O:	91%	Gels 10s	12
ECD TD:		Nitrates:		PF:	0.15	Oil:	0%	Gels 10m	18
ECD Shoe:		Sulphites:		MF:	0.7	Sand:	.25	Fann 003	9
ECD Cuttings:		API FL:	4.0cc/30min	pH:	8.5	Barite:		Fann 006	13
KCl Equiv:	7%	API Cake:	1/32nd"	PHPA Excess:				Fann 100	36
								Fann 200	44
								Fann 300	55
								Fann 600	70

**Formation Tops**

Formation	Prognosed		Actual		Diff.	Thickness MD	Pick Criteria
	MDRT	TVDSS	MDRT	TVDSS	+ / - TVD		
Seafloor	177.00m	155.50m	174.40m	152.90m	-2.60m	2037.60m	Driller's Depth
Lakes Entrance	2247.00m	1817.00m	2212.00m	1790.20m	-26.80m	458.00m	LWD
Latrobe Group	2700.00m	2136.00m	2670.00m	2118.20m	-17.80m	72.00m	LWD and cuttings
Base T-F Channel	2760.00m	2186.00m	2742.00m	2172.90m	-13.10m	0.00m	Cuttings and LWD
K2 Sst. Marker	3335.00m	2620.00m					
Ma2 Sandstone	3640.00m	2860.00m					
Reservoir Zone 0	3709.00m	2976.00m					
Reservoir Zone 1.2	3802.00m	3057.00m					
Reservoir Zone 2	3809.00m	3064.00m					
Reservoir Zone 4	3859.00m	3107.00m					
Reservoir Zone 6.2	3974.00m	3207.00m					
Reservoir Zone 7	4030.00m	3257.00m					
Top Volcanics	4042.00m	3267.00m					
TD	4109.00m	3319.00m					



**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)
2689.00 - 2742.00	Background	0.20	910	46	20	9	11	21	19.78	45.5	43.33	20	62.86

Comment:

2742.00 - 2864.00	Background	0.20	592	36	11	6	7	22	16.44	53.82	26.91	13	27.77
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Comment:

F1\*: C1 / C5      F2\*: iC4 + nC4      F3\*: (C2 + C3) / (C5 / (iC4 + nC4))

**Survey**

MDRT (m)	Incl. (deg)	Corr. Az (deg)	TVDBRT (m)	'V' Sect (deg)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type
2668.21	41.8	132.0	2138.34	1428.8	1.1	-937.1	1078.6	MWD
2696.56	40.2	131.4	2159.73	1447.4	1.7	-949.5	1092.5	MWD
2725.81	40.4	131.7	2182.03	1466.3	0.3	-962.0	1106.7	MWD
2782.96	40.9	130.7	2225.38	1503.6	0.4	-986.5	1134.7	MWD
2811.15	41.4	130.4	2246.61	1522.1	0.5	-998.6	1148.8	MWD
2840.12	42.0	129.9	2268.25	1541.4	0.7	-1011.0	1163.5	MWD

**06:00 Hrs Update**

Time:	06:00 Hrs on 11 Apr 2006
Depth:	2915/2323.6
Progress Since Midnight:	51
Drilling Status:	Drilling ahead 311mm (12 1/4") hole at 2915m MDRT
Formation:	Latrobe Group
Lithology:	Massive Sandstone with minor Silty Claystone
ROP:	ROP = 2.0 - 25.0 m/hr (8.0 m/hr)
Gas:	Background Gas = 0.2 %

**Wellsite Geologist(s)**

(Days) - R. Blackmore      (Nights) - M. Woodmansee

**Lithology Report**

Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
2695.0	2700.0	Sltst	20	arg	Siltstone, lt-med orgng brn, brnsh gy/grn, yell/grn, soft to firm, amorphous to dispersive, 20% siliceous clay, 80% siliceous silt, no hydrocarbon show.
2695.0	2700.0	Sst	40		Sandstone, cl-trans, occ yel, occ grn, occ orgng, occ wh, loose, well rounded to rounded, poor sorted, slightly spherical to spherical, 100% siliceous sand, 20% very fine grained, 50% fine grained, 20% medium grained, 5% coarse grained, 5% very coarse grained, trace of pyrite, 1% glauconite, 15% porosity, no hydrocarbon show.
2695.0	2700.0	Clyst	40		Claystone, lt gy-med gy, occ dk gy, soft to firm, sub-blocky to blocky, 5% calcareous clay, 95% siliceous clay, trace of pyrite, no hydrocarbon show.
2745.0	2750.0	Sst	60	arg	Sandstone, cl-trans, lt brnsh grn, occ grn stained grains, loose to friable, amorphous, sub-angular to rounded, poor sorted, slightly elongated to very spherical, 20% siliceous clay, 20% siliceous silt, 60% siliceous sand, 10% very fine grained, 20% fine grained, 55% medium grained, 10% coarse grained, 5% very coarse grained, trace of pyrite, trace of lithic fragments, 1% glauconite, 15% porosity, no hydrocarbon show.
2745.0	2750.0	Sltst	40	arg	Siltstone, lt brn, lt brnsh gy, grnsh gy, very soft to firm, amorphous to sub-blocky, 45% siliceous clay, 50% siliceous silt, 5% siliceous sand, trace of pyrite, 0.5% glauconite, no hydrocarbon show.
2785.0	2790.0	Sst	100		Sandstone, cl-trans, occ grn, loose, sub-rounded to well rounded, moderately sorted, slightly elongated to slightly spherical, 100% siliceous sand, 10% very fine grained, 50% fine grained, 30% medium grained, 10% coarse grained, trace of pyrite cement, trace of pyrite, 0.5% glauconite, 20% porosity, no hydrocarbon show.
2855.0	2860.0	Clyst	20	slyt	Claystone, brnsh gy, lt brnsh gy, rare grnsh gy, very soft to soft, amorphous to dispersive, 5% calcareous clay, 65% siliceous clay, 30% siliceous silt, trace of pyrite, trace of coal, trace of glauconite.
2855.0	2860.0	Sst	80		Sandstone, cl-trans, grn, off wh, wh/gy, loose, sub-angular to sub-rounded, poor sorted, slightly elongated to slightly spherical, 15% siliceous clay, 85% siliceous sand, 30% very fine grained, 30% fine grained, 10% medium grained, 10% coarse grained, 10% very coarse grained, 10% granular grained, trace of pyrite, 15% porosity, no hydrocarbon show.



Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
2860.0	2865.0	Sst	100		Sandstone, cl-trans, wh, occ yel, occ grn, loose, sub-angular to sub-rounded, very poor sorted to poor sorted, slightly elongated to slightly spherical, 5% siliceous clay, 95% siliceous sand, 10% very fine grained, 10% fine grained, 10% medium grained, 40% coarse grained, 20% very coarse grained, 10% granular grained, trace of pyrite, 15% porosity, no hydrocarbon show.
2880.0	2885.0	Sst	100		Sandstone, cl-trans, occ opq, occ yel, loose, sub-angular to sub-rounded, very poor sorted to poor sorted, slightly elongated to slightly spherical, 100% siliceous sand, 20% very fine grained, 30% fine grained, 30% medium grained, 10% coarse grained, 5% very coarse grained, 5% granular grained, trace of pyrite cement, trace of pyrite, 20% porosity, no hydrocarbon show.