

**Basker-5**

Date : 19 Mar 2006

Geology Report Number : 10

( associated DDR # 18 )

**Well Details**

Depth MDRT:	3,097.0m	Rig:	OCEAN PATRIOT	Date:	19 Mar 2006
Depth TVDBRT:	2,879.0m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	2,857.5m	GLE amsl:	153.6m	Report End:	24:00
Progress:	212.0m	Last Csg Size:	13.375in	Days On Location:	14.35
Hole Size:	12.250in	Last Csg Shoe:	989.0m	Days since Spud:	21.60
Hole Size Carbide:		F.I.T. / L.O.T.:	15.10ppg /		

**Operations Summary**

24hr Summary:	Drilled ahead from 2885.0 mMDRT through Latrobe Group interbedded Sandstone, Siltstone and Claystone with minor coals. Top of Ma2 Sandstone picked at 3070.0 mMDRT. 2885.0 - 3070.0 mMDRT Interbedded Sandstone, Siltstone, minor Claystone. ROP = 1.6 - 121.0 m/hr, Average = 12.9 m/hr, Background Gas = 0.18 % 3070.0 - 3097.0 mMDRT Interbedded Massive Sandstone and minor Siltstone and Coal. ROP = 5.8 - 64 m/hr, Average = 17 m/hr, Background Gas = 0.8 %
Forward Plan:	Drill ahead through Latrobe Group to TD.

**WBM Data**

Mud Type: KCL/PHPA/Glycol	Flowline Temp:	Cl:	45000mg/l	Low Gravity Solids:	Viscosity	70sec/qt
Sample From: Active pit	MWD Circ Temp:	Hard/Ca:	240mg/l	High Gravity Solids:	PV	21cp
Time: 20:40	Glycol CP Temp:	MBT:	6	Solids (corrected):	YP	48lb/100ft <sup>2</sup>
Weight: 9.60ppg	Glycol: 3.5%vol	PM:	0	H2O:	Gels 10s	13
ECD TD:	Nitrates:	PF:	0.02	Oil:	Gels 10m	24
ECD Shoe:	Sulphites:	MF:	0.5	Sand:	Fann 003	11
ECD Cuttings:	API FL: 4.4cc/30min	pH:	9	Barite:	Fann 006	14
KCl Equiv: 8%	API Cake: 1/32nd"	PHPA Excess:			Fann 100	45
					Fann 200	60
					Fann 300	69
					Fann 600	90

**Formation Tops**

Formation	Prognosed		Actual		Diff.	Thickness MD	Pick Criteria
	MDRT	TVDSS	MDRT	TVDSS	+ / - TVD		
Base T-F Channel			2,292.00m	2,154.70m	2,154.70	500.00m	LWD logs
K2 Sst. Marker			2,792.00m	2,591.40m	2,591.40	277.50m	LWD logs
Ma2 Sandstone			3,069.50m	2,832.60m	2,832.60	0.00m	LWD and ROP
Seafloor	177.00m	155.50m	175.10m	153.60m	-1.90m	1,659.90m	
Lakes Entrance	1,884.30m	1,779.00m	1,835.00m	1,757.30m	-21.70m	378.00m	LWD & cuttings
Latrobe Group	2,238.80m	2,086.00m	2,213.00m	2,085.00m	-1.00m	79.00m	LWD & cuttings
Reservoir Zone 0	3,267.80m	2,973.00m					
Reservoir Zone 1.2	3,347.80m	3,042.00m					
Reservoir Zone 2	3,357.10m	3,050.00m					
Reservoir Zone 4	3,413.80m	3,099.00m					
Reservoir Zone 5	3,491.50m	3,166.00m					
Reservoir Zone 6.2	3,535.50m	3,204.00m					
Reservoir Zone 7	3,573.80m	3,237.00m					
Volcanics Unit 1	3,584.20m	3,246.00m					
Reservoir Zone 8	3,617.80m	3,275.00m					
TD	3,689.60m	3,337.00m					



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)
2885.00 - 3070.00	Background	0.18	111	18	14	9	9	8	6.17	7.93	13.88	18	72
Comment:													
3026.00 - 3026.00	Peak	0.54	4543	401	123	21	19	18	11.33	36.93	252.39	40	1,164.44
Comment:													
3028.50 - 3028.50	Peak	0.80	5999	562	196	28	30	20	10.67	30.61	299.95	58	2,198.2
Comment:													
3045.50 - 3045.50	Peak	1.16	7942	1014	586	100	46	54	7.83	13.55	147.07	146	4,325.93
Comment:													
3070.00 - 3097.00	Background	0.80	4850	650	440	75	145	110	7.46	11.02	44.09	220	2,180
Comment:													
3087.00 - 3087.00	Peak	3.00	23463	2312	1282	257	415	191	10.15	18.3	122.84	672	12,644.86
Comment:													
3094.00 - 3094.00	Peak	3.10	22377	2599	1545	289	504	387	8.61	14.48	57.82	793	8,491.45
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	
2919.36	28.7	128.8	2720.95	886.6	0.7	-556.1	690.6	MWD	
2948.05	28.1	127.5	2746.19	900.3	0.9	-564.5	701.3	MWD	
2976.43	27.7	128.1	2771.27	913.6	0.6	-572.6	711.8	MWD	
3005.07	27.4	127.7	2796.67	926.8	0.4	-580.8	722.3	MWD	
3034.24	27.0	128.8	2822.62	940.1	0.7	-589.0	732.7	MWD	
3062.63	26.4	129.6	2847.98	952.9	0.7	-597.1	742.6	MWD	

06:00 Hrs Update	
Time:	06:00 Hrs on 20 Mar 2006
Depth:	3150 / 2927
Progress Since Midnight:	53
Drilling Status:	Drilling 311mm (12 1/4") hole @ 3150m MDRT
Formation:	Latrobe Formation Top Ma2 Sandstone 3069.5 mMDRT
Lithology:	Interbedded Siltstone, Sandstone and thin Coals
ROP:	3.7 - 54 m/hr Average 10.5 m/hr
Gas:	Background Gas 1% C1 5670 ppm, C2 750 ppm, C3 470 ppm, IC4 70 ppm, NC4 160ppm, C5 130 ppm.  Peaks 3112.5m 4% 3122m 2.2% 3127m 5% 3134m 4.5% 3144m 4%

Wellsite Geologist(s)	
(Days) - M.Woodmansee	(Nights) - R.Blackmore

Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
2880.0	2885.0	Siltst	15	dol	Siltstone, lt gy, lt-med brn, gy-brn., Very soft to Soft, amorphous to sub-blocky, 5% calcerous clay, 40% siliceous clay, 50% siliceous silt, 5% siliceous sand, 0.1% Pyrite, 0.1% Coal, 0.1% Glauconite.

Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
2885.0	2890.0	Clyst	30		Claystone, med dk gy, v dark gy, Firm, blocky to splintery, 5% calcerous clay, 90% siliceous clay.
2895.0	2900.0	Clyst	5		Claystone, med dk gy, v dark gy, Firm, blocky to splintery, 5% calcerous clay, 90% siliceous clay.
2895.0	2900.0	Sst	60		Sandstone, clr, transl, occ wh, Loose, Sub-angular to Sub-rounded, Poor sorted, Elongated to Slightly Spherical, 20% fine grained, 50% medium grained, 20% coarse grained, 10% very coarse grained, 0.1% Pyrite.
2900.0	2905.0	C	1		Coal, blk, dull blk, Firm, blocky, 5% siliceous silt, 0.3% Pyrite.
2900.0	2905.0	Sltst	89		Siltstone, lt gy, lt-med brnish/gy, olv gy, Very soft to Soft, amorphous to sub-blocky, 5% calcerous clay, 30% siliceous clay, 63% siliceous silt, 2% siliceous sand, 0.1% Pyrite, 0.2% Coal, 0.1% Mica.
2970.0	2975.0	Sst	99		Sandstone, clr, transl, white, Loose to Friable, Sub-angular to Sub-rounded, Moderately sorted, Elongated to Slightly Spherical, 5% siliceous silt, 95% siliceous sand, 70% medium grained, 20% coarse grained, 10% very coarse grained, 0.1% Pyrite, 20% porosity, no Hydrocarbon shows.
3000.0	3005.0	Sltst	80	arg	Siltstone, lt-dk brnish/gy, Very soft to Soft, amorphous to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal, 3% porosity, no Hydrocarbon shows.
3010.0	3015.0	Sst	20		Sandstone, clr, transl, occ white, yel, grn, gy, Loose, Sub-angular to Sub-rounded, Poor sorted, Slightly Elongated to Slightly Spherical, 100% siliceous sand, 20% very fine grained, 40% fine grained, 35% medium grained, 5% coarse grained, 0.1% Silica cement, 0.1% Pyrite cement, 0.1% Pyrite, 10% porosity, no Hydrocarbon shows.
3025.0	3030.0	Sltst	60	arg	Siltstone, lt-dk brnish/gy, blk laminae, Very soft to Soft, amorphous to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal, 0.1% Mica, 3% porosity, no Hydrocarbon shows.
3055.0	3060.0	Sst	15		Sandstone, clr, transl, occ white, Loose to Friable, Sub-angular to Sub-rounded, Poor sorted, Slightly Elongated to Slightly Spherical, 10% siliceous clay, 90% siliceous sand, 20% very fine grained, 40% fine grained, 30% medium grained, 5% coarse grained, 5% very coarse grained, 0.1% Pyrite cement, 0.1% Pyrite, 10% porosity, no Hydrocarbon shows.
3070.0	3075.0	Sst	90		Sandstone, clr, transl, occ white, Loose to Friable, Sub-angular to Sub-rounded, Very Poor sorted to Poor sorted, Slightly Elongated to Slightly Spherical, 10% siliceous clay, 90% siliceous sand, 20% very fine grained, 60% fine grained, 10% medium grained, 5% coarse grained, 5% very coarse grained, 0.1% Pyrite cement, 0.1% Pyrite, 20% porosity, no Hydrocarbon shows.
3085.0	3090.0	Sst	70		Sandstone, clr, transl, v lt gy, Loose to Friable, Angular to Sub-rounded, Moderately sorted, Elongated to Slightly Spherical, 10% siliceous clay, 90% siliceous sand, 10% fine grained, 20% medium grained, 40% coarse grained, 30% very coarse grained, 0.1% Pyrite cement, 0.1% Pyrite, 20% porosity, no Hydrocarbon shows.
3090.0	3095.0	Sltst	70		Siltstone, lt-med brnish/gy, brnish blk., Very soft to Friable, amorphous to sub-blocky, 15% siliceous clay, 80% siliceous silt, 5% siliceous sand, 0.1% Pyrite, 0.2% Coal.
3095.0	3100.0	C	1		Coal, vit to dull blk, Firm, conchoidal to blocky, 5% siliceous clay, 0.1% Pyrite.