

**Basker-3**

Date : 26 Apr 2006

Geology Report Number : 25

(associated DDR # 30)

Well Details

Depth MDRT:	4013.0m	Rig:	OCEAN PATRIOT	Date:	26 Apr 2006
Depth TVDBRT:	3256.0m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	3234.5m	LAT amsl:	152.9m	Report End:	24:00
Progress:	291.0m	Last Csg Size:	9.625in	Days On Location:	28.27
Hole Size:	8.500in	Last Csg. Shoe (TVD):	2826.8m	Days since Spud:	56.81
Hole Size Carbide:		Last Csg. Shoe (MD):	3520.0m		
		F.I.T. / L.O.T.:	13.00ppg /		

Operations Summary

24hr Summary:	<p>Drilled ahead 216mm hole from 3722m - 4013m</p> <p>3722 - 3753m Interbedded Sandstone, Argillaceous Sandstone and Siltstone. ROP 6.8 - 53 m/hr 25 Average 3% Background gas</p> <p>Zone 1.2 3753 mMD 3753 - 3765m Interbedded Sandstone, Siltstone and trace Coal. ROP 16 - 65 m/hr 36 Average 6% Background gas</p> <p>Zone 2 3765.5 mMD 3765 - 3805m Interbedded Sandstone, Argillaceous Sandstone, Siltstone and trace Carbonaceous Siltstone. ROP 4.6 - 96 m/hr 29 Average 6.8 Background gas</p> <p>Zone 4 3805 mMD Interbeds of Sandstone, Argillaceous Sandstone, Siltstone and variably Carbonaceous Claystones ROP 2.5 - 129 m/hr 17 m/hr Average 5.6% Aver. Background gas</p> <p>Zone 5 3914 mMD Interbeds of Siltstone and variably Carbonaceous Claystones with lesser fine grained Sandstones. ROP 2.6 - 33 m/hr 12.7m/hr Average 3.6% Aver. Background gas</p> <p>Zone 6 3935 mMD Interbeds of mostly finer grained Sandstone, Argillaceous Sandstone, Siltstone and variably Carbonaceous Claystones ROP 1.1 - 34 m/hr 15m/hr Average 5.5% Aver. Background gas</p> <p>Zone 7 3976 mMD Interbedded Sandstone, Siltstone and Carbonaceous Claystones ROP 2.7 - 44 m/hr 12m/hr Average 3.5% Aver. Background gas</p>
Forward Plan:	Drill 216mm hole to TD. Pull out of the hole, down load LWD and rig up for Wire Line Logging.

WBM Data

Mud Type: KCL/PHPA/Glycol	Flowline Temp:	Cl:	33000mg/l	Low Gravity Solids:	Viscosity	54sec/qt
Sample From: Active pit	MWD Circ Temp:	Hard/Ca:	280mg/l	High Gravity Solids:	PV	13cp
Time: 21:45	Glycol CP Temp:	MBT:	4	Solids (corrected):	YP	34lb/100ft ²
Weight: 9.20ppg	Glycol: 2.0%vol	PM:	0.4	H2O:	Gels 10s	9
ECD TD:	Nitrates:	PF:	0.05	Oil:	Gels 10m	14
ECD Shoe:	Sulphites:	MF:	0.5	Sand:	Fann 003	9
ECD Cuttings:	API FL: 4.7cc/30min	pH:	9.6	Barite:	Fann 006	12
KCl Equiv: 6%	API Cake: 1/32nd"	PHPA Excess:			Fann 100	33
					Fann 200	43
					Fann 300	47
					Fann 600	60



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	488.00m	Cuttings and LWD
Top K2 Sandstone	3246.00m	2568.50m	3230.00m	2554.30m	-14.20m	451.00m	LWD based on B-5
Ma2 Sandstone	3552.00m	2832.50m					
Reservoir Zone 0	3709.00m	2976.00m	3681.00m	2946.00m	-30.00m	72.00m	LWD and Lithology
Reservoir Zone 1.2	3802.00m	3057.00m	3753.00m	3008.60m	-48.40m	12.50m	LWD
Reservoir Zone 2	3809.00m	3064.00m	3765.50m	3021.40m	-42.60m	39.50m	LWD
Reservoir Zone 4	3859.00m	3107.00m	3805.00m	3054.20m	-52.80m	109.00m	LWD
Reservoir Zone 5	3920.00m	3157.00m	3914.00m	3149.40m	-7.60m	21.00m	LWD gamma
Reservoir Zone 6	3974.00m	3207.00m	3935.00m	3168.40m	-38.60m	41.00m	LWD gamma
Reservoir Zone 7	4030.00m	3257.00m	3976.00m	3223.50m	-33.50m	0.00m	LWD gamma
Top Volcanics	4042.00m	3267.00m					
TD	4109.00m	3319.00m					

Oil Shows

From	To	Formation	Lithology	White Light			UV Light			Rating
				Stain	Cut	Residue	Fluor.	Cut Fluor.	Residue	
3685.00m	3690.00m			Nil-trace	Nil visible	None visible	moderately bright yellowish white	slow developing dullish to fair bluish white	light yellowish white	WEAK SHOW
3690.00m	3695.00m			Nil-trace	Nil visible	None visible	moderately bright yellowish white	slow developing dullish to fair bluish white	light yellowish white	WEAK SHOW
3695.00m	3700.00m			Nil-trace	Nil visible	None visible	moderately bright yellowish white	slow developing dullish to fair bluish white	light yellowish white	VERY WEAK
3720.00m	2725.00m			nil	nil	nil	bright green	slow	light yellow	FAIR
3770.00m	3775.00m			nil	nil	nil	very dull yellow	nil	nil	TRACE
3815.00m	3835.00m			nil	nil	nil	moderately bright green	very slow	yellow thin ring	TRACE
3895.00m	3900.00m			Nil-trace	Nil visible	None visible	moderately bright yellowish white	slow developing dullish to fair bluish white	light yellowish white	WEAK SHOW
3900.00m	3910.00m			Nil-trace	Nil visible	None visible	moderately bright yellowish white	slow developing dullish to fair bluish white	light yellowish white	VERY WEAK
3960.00m	3965.00m			Nil-trace	Nil visible	None visible	moderately bright yellowish white	slow developing dullish to fair bluish white	light yellowish white	VERY WEAK
3990.00m	4010.00m			Nil-trace	Nil visible	None visible	moderately bright yellowish white	slow developing dullish to fair bluish white	light yellowish white	WEAK SHOW



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)
3722.00 - 3753.00	Background	1.50	20690	2252	1300	220	453	227	9.19	15.92	91.15	673	10,530.82
Comment:													
3725.00 -	Peak	4.00	24747	3087	1941	321	638	432	8.02	12.75	57.28	959	11,161.69
Comment:													
3753.00 -	Peak	6.00	48032	4117	1776	226	469	266	11.67	27.05	180.57	695	15,397.12
Comment:													
3753.00 - 3765.00	Background	6.00	46517	4374	2028	260	507	287	10.63	22.94	162.08	767	17,109.18
Comment:													
3756.00 -	Peak	7.50	59300	5349	2375	296	588	290	11.09	24.97	204.48	884	23,544.88
Comment:													
3765.00 -	Peak	8.40	59303	5545	2854	335	619	333	10.69	20.78	178.09	954	24,062
Comment:													
3765.00 - 3805.00	Background	6.80	51245	4610	2300	320	635	377	11.12	22.28	135.93	955	17,504.11
Comment:													
3768.00 -	Peak	11.70	88860	7610	3762	513	967	505	11.68	23.62	175.96	1,480	33,327.84
Comment:													
3787.00 -	Peak	15.20	114019	9642	4600	621	1173	610	11.83	24.79	186.92	1,794	41,885.49
Comment:													
3805.00 - 3914.00	Background	5.60	39000	4000	2100	320	670	470	9.75	18.57	82.98	990	12,848.94
Comment:													
3809.00 -	Peak	11.50	87717	7532	3743	528	1018	595	11.65	23.43	147.42	1,546	29,296.05
Comment:													
3822.00 -	Peak	15.80	105462	11764	6394	956	1896	1140	8.96	16.49	92.51	2,852	45,426.86
Comment:													
3864.00 -	Peak	18.60	125781	12280	6421	964	1924	1198	10.24	19.59	104.99	2,888	45,082.21
Comment:													
3898.50 -	Peak	8.20	58973	6111	2725	400	868	670	9.65	21.64	88.02	1,268	16,722.46
Comment:													
3914.00 - 3935.00	Background	3.60	24600	2600	1140	160	380	340	9.46	21.58	72.35	540	5,940
Comment:													
3917.00 -	Peak	6.95	51083	5014	2078	294	580	442	10.19	24.58	115.57	874	14,023.55
Comment:													
3927.00 -	Peak	6.92	47724	5134	2384	344	751	593	9.3	20.02	80.48	1,095	13,882.31
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	
3768.84	28.7	134.8	3044.04	2044.6	0.6	-1358.5	1527.9	MWD	
3797.37	29.1	134.7	3069.02	2058.3	0.4	-1368.2	1537.7	MWD	
3825.65	29.0	133.0	3093.74	2072.0	0.9	-1377.8	1547.6	MWD	
3853.63	28.9	133.4	3118.22	2085.6	0.2	-1387.0	1557.5	MWD	
3882.58	29.1	132.4	3143.55	2099.6	0.6	-1396.6	1567.8	MWD	
3911.79	28.9	132.4	3169.10	2113.8	0.1	-1406.1	1578.2	MWD	
3940.44	29.2	131.7	3194.15	2127.7	0.4	-1415.4	1588.6	MWD	
3968.19	29.1	130.9	3218.39	2141.2	0.4	-1424.3	1598.7	MWD	
3997.29	29.2	129.9	3243.81	2155.3	0.5	-1433.5	1609.5	MWD	



06:00 Hrs Update

Time:	06:00 Hrs on 27 Apr 2006
Depth:	4051 / 3290.7
Progress Since Midnight:	38
Drilling Status:	Drilling 216mm (8 1/2") hole @4051m MDRT.
Formation:	Top Volcanic unit (1) 4015m.
Lithology:	4013m -4015m Clastic sequence of Sandstone and Siltstone 4015m - 4051m Volcanic sequence of highly weathered volcanics (clay) and minor volcanic Sandstone
ROP:	1.8 - 54 m/hr Average 11.7 m/hr
Gas:	Background 3.5% C1 25596 ppm, C2 2168 ppm, C3 1008 ppm, IC4 160 ppm, NC4 337 ppm, C5 281 ppm. Peak 4025m Volcanic Sand 22% C1 160818 ppm, C2 12042 ppm, C3 4325 ppm, IC4 571 ppm, NC4 1083 ppm, C5 598

Wellsite Geologist(s)

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

Lithology Report

Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
3540.0	3545.0	Sltst	98		Siltstone, med-lt brnsh gy, lt gy-wh, brn/blk, very soft to soft, sub-blocky to blocky, 15% siliceous clay, 80% siliceous silt, 5% siliceous sand, trace of pyrite, trace of coal.
3730.0	3735.0	Sst	60		Sandstone, clr-transl, occ lt brn, loose to friable, sub-angular to sub-rounded, moderately sorted, slightly elongated to slightly spherical, 100% siliceous sand, 10% fine grained, 55% medium grained, 30% coarse grained, 5% very coarse grained, trace of pyrite cement, trace of pyrite, 20% porosity, no hydrocarbon show.
3740.0	3745.0	Sltst	70		Siltstone, med - dk brn gy, very soft to soft, sub-blocky to sub-fissile, 15% siliceous clay, 80% siliceous silt, 5% siliceous sand, 0.5% coal.
3750.0	3755.0	C	5		Coal, dk blk-dull blk, occ dk brn, firm, 5% siliceous clay, 5% siliceous silt.
3770.0	3775.0	Sst	5	arg	Sandstone, wh lt gy, clr-transl, loose to friable, sub-angular to sub-rounded, well sorted, slightly elongated to spherical, 25% siliceous clay, 15% siliceous silt, 60% siliceous sand, 30% very fine grained, 60% fine grained, 5% medium grained, 5% coarse grained, trace of pyrite, trace of pyrite, 10% porosity, hydrocarbon show.
3775.0	3780.0	Sltst	90		Siltstone, med - dk brn gy, very soft to soft, sub-blocky to sub-fissile, 15% siliceous clay, 80% siliceous silt, 5% siliceous sand, 0.5% coal.
3785.0	3790.0	Sst	20		Sandstone, clr-transl, loose, sub-angular to sub-rounded, well sorted, slightly elongated to slightly spherical, 100% siliceous sand, 5% fine grained, 40% medium grained, 50% coarse grained, 5% very coarse grained, trace of pyrite cement, trace of pyrite, 20% porosity, no hydrocarbon show.
3825.0	3830.0	Sltst	70		Siltstone, med - dk brn gy, gy/blk, very soft to soft, sub-blocky to sub-fissile, 15% siliceous clay, 75% siliceous silt, 10% siliceous sand, 0.5% coal, trace of pyrite.
3835.0	3840.0	Sst	40	arg	Sandstone, clr-transl, lt gy, wh, soft to friable, sub-blocky, sub-angular to rounded, moderately sorted, slightly elongated to spherical, 20% siliceous clay, 10% siliceous silt, 70% siliceous sand, 40% fine grained, 55% medium grained, 5% coarse grained, trace of coal, trace of pyrite, trace of lithic fragments, 15% porosity, no hydrocarbon show.
3860.0	3865.0	Sst	60		Sandstone, clr-transl occ lt gy, loose to friable, sub-rounded to angular, moderately sorted, slightly elongated to spherical, 10% siliceous clay, 90% siliceous sand, 20% fine grained, 60% medium grained, 20% coarse grained, trace of pyrite, 20% porosity, no hydrocarbon show.
3900.0	3905.0	Sltst	60		Siltstone, brn gy, lt brn gy with minor medium to darker shades gy brn and traces blk brn, soft to firm, sub-blocky to sub-fissile, 25% siliceous clay, 65% siliceous silt, 10% siliceous sand, 0.5% coal, trace of pyrite.
3910.0	3915.0	Sst	20		Sandstone, mostly offwhite but minor lt gy and lt brn, soft to friable, sub-blocky, sub-rounded to rounded, well sorted, slightly elongated to spherical, 15% siliceous clay, 85% siliceous sand, 50% very fine grained, 50% fine grained, 0.5% silica cement, trace of coal, trace of pyrite, 14% porosity, no hydrocarbon show.
3915.0	3920.0	Clyst	40	carb	Claystone, varying light to dark shades of brnsh gy, minor brn blk and blk brn, soft to firm, sub-blocky to blocky, 85% siliceous clay, 15% siliceous silt, trace of pyrite, 30% coal.
3940.0	3945.0	Sst	40		Sandstone, mostly offwhite but minor lt gy and lt brn, loose to moderately hard, sub-blocky, sub-angular to sub-rounded, very well sorted, slightly elongated to spherical, 15% siliceous clay, 85% siliceous sand, 50% very fine grained, 45% fine grained, 5% medium grained, 0.5% silica cement, trace of silica cement, trace of coal, 10% porosity, no hydrocarbon show.
3940.0	3945.0	Clyst	20	carb	Claystone, varying light to dark shades of brnsh gy, minor brn blk and blk brn, soft to firm, sub-blocky to blocky, 85% siliceous clay, 15% siliceous silt, trace of pyrite, 30% coal.



Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
3940.0	3945.0	Sltst	40		Siltstone, light to darker shades of brn gy, traces blk brn, soft to firm, sub-blocky to sub-fissile, 25% siliceous clay, 65% siliceous silt, 10% siliceous sand, 0.5% coal, trace of pyrite.
3995.0	4000.0	Sltst	30		Siltstone, varying light to dark shades of brnish gy, minor brn blk and blk brn, soft to firm, sub-blocky to blocky, 25% siliceous clay, 70% siliceous silt, 5% siliceous sand, trace of pyrite, 30% coal.
3995.0	4000.0	Sst	60		Sandstone, mostly offwhite but minor lt gy and lt brn. , loose to hard, sub-blocky, sub-angular to sub-rounded, moderately sorted , slightly elongated to spherical, 5% siliceous clay, 95% siliceous sand, 10% very fine grained, 40% fine grained, 50% medium grained, 0.5% silica cement, trace of mica, trace of coal, 16% porosity, hydrocarbon show.
4005.0	4010.0	Sltst	30	arg	Siltstone, lt to dk brnish gy, very soft to firm, sub-blocky to blocky, 30% siliceous clay, 65% siliceous silt, 5% siliceous sand, trace of pyrite, 5% coal.