

**Basker-4**

Date : 16 May 2006

Geology Report Number : 14

(associated DDR # 20)

Well Details

Depth MDRT:	3322.0m	Rig:	OCEAN PATRIOT	Date:	16 May 2006
Depth TVDBRT:	3143.6m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	3122.1m	LAT amsl:	154.5m	Report End:	24:00
Progress:	36.0m	Last Csg Size:	13.375in	Days On Location:	18.44
Hole Size:	12.250in	Last Csg. Shoe (TVD):	987.2m	Days since Spud:	78.50
Hole Size Carbide:		Last Csg. Shoe (MD):	998.5m		
		F.I.T. / L.O.T.:	12.50ppg /		

Operations Summary

24hr Summary:	<p>Completed junk run from 3286-3290m MD. POOH. Picked up new insert bit and drilled interval 3290-3322m MDRT to 2400 hrs.</p> <p>Based on lithostratigraphic correlation to Basker-2 offset well, preliminary pick for top of the "Zone 2" Sandstone Reservoir is 3293.5m MDRT = 3115m TVDRT</p> <p>3286 - 3293m MDRT Interbedded clean, coarser grained with interbeds of finer grained Argillaceous Sandstone and Silty Claystone (gradational to Siltstone and Carbonaceous Claystone) also rare Coaly stringers. ROP 2.4 - 60m/hr 6.8 m/hr average ROP Background gas 0.8%TG</p> <p>3293 - 3313m MDRT Interbedded clean, medium to coarse grained Sandstone with interbeds of Silty Claystone (gradational to Siltstone and Carbonaceous Claystone) ROP 2 - 89m/hr 6 m/hr average ROP Background gas 0.85%TG</p> <p>Based on lithostratigraphic correlation to Basker-2 offset well, preliminary pick for top of the "Zone 4" Sandstone Reservoir is 3313.6m MDRT = 3135m TVDRT</p> <p>3313 - 3322m MDRT Interbedded clean, medium to coarse grained Sandstone with interbeds of Silty Claystone gradational to Siltstone ROP 2 - 29m/hr 3.5 m/hr average ROP Background gas 1%TG</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	76sec/qt
Sample From: Active pit	MWD Circ Temp:	Hard/Ca:	520mg/l	High Gravity Solids:	PV	18cp
Time: 19:30	Glycol CP Temp:	MBT:	5	Solids (corrected):	YP	40lb/100ft ²
Weight: 9.50ppg	Glycol: 2.1%vol	PM:	0.3	H2O:	Gels 10s	11
ECD TD:	Nitrates:	PF:	0.05	Oil:	Gels 10m	18
ECD Shoe:	Sulphites:	MF:	0.7	Sand:	Fann 003	9
ECD Cuttings:	API FL: 4.5cc/30min	pH:	8.5	Barite:	Fann 006	12
KCl Equiv: 8%	API Cake: 1/32nd"	PHPA Excess:			Fann 100	37
					Fann 200	49
					Fann 300	58
					Fann 600	76

Formation Tops

Formation	Prognosed		Actual		Diff.	Thickness (MD)	Pick Criteria
Reservoir Zone 0 Sand	3195.90	2978.00	3184.00	2984.50	-6.50	77.50	LWD GR-RES
Reservoir Zone 1.2 Sand	3262.80	3048.00	3261.50	3061.40	-13.40	32.00	LWD GR-RES
Reservoir Zone 2 Sand	3287.90	3060.00	3293.50	3093.00	-33.00	20.10	LWD GR-RES+sample
Reservoir Zone 4 U Sand	3319.40	3100.00	3313.60	3113.60	-13.60	0.00	LWD GR



Oil Shows

From	To	Formation	Lithology	White Light			UV Light			Rating
				Stain	Cut	Residue	Fluor.	Cut Fluor.	Residue	
3300.00m	3310.00m			nil	nil	nil	dull occ mod bright yellowish white	slow diffusing dull yellowish	dull whitish yellow	weak tending fair

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)
3286.00 - 3293.00	Background	0.80	5263	522	287	42	78	47	10.08	18.34	111.98	120	2,065.53
Comment:													
3290.00 -	Trip Gas	2.20	13860	1525	901	139	291	208	9.09	15.38	66.63	430	5,015.29
Comment:													
3293.00 - 3313.00	Background	0.85	6088	581	325	47	87	51	10.48	18.73	119.37	134	2,380.47
Comment:													
3298.00 -	Peak	5.00	42754	3424	1616	214	367	208	12.49	26.46	205.55	581	14,078.08
Comment: Associated with medium grained quartz sandstone and 5% coal													
3302.00 -	Peak	5.50	42754	3424	1616	214	367	208	12.49	26.46	205.55	581	14,078.08
Comment: Associated with Sandstone													
3302.50 -	Peak	4.50	35182	3746	2054	265	512	282	9.39	17.13	124.76	777	15,980.85
Comment: Associated with medium -coarse grained sandstone with some oil shows.													
3307.50 -	Peak	5.00	35182	3746	2054	265	512	292	9.39	17.13	120.49	777	15,433.56
Comment: Associated with Carbonaceous Siltstone													
3313.00 - 3322.00	Background gas	1.00	6173	770	485	86	164	116	8.02	12.73	53.22	250	2,704.74
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
3297.42	3.9	281.4	3118.94	916.1	1.1	-65.4	-913.9	MWD

06:00 Hrs Update

Time:	06:00 Hrs on 17 May 2006
Depth:	3354 / 3175.5
Progress Since Midnight:	32
Drilling Status:	Drilling 311mm (12 1/4") hole at 3354m MDRT
Formation:	Latrobe Group drilling below Reservoir Zone-4
Lithology:	Interbedded Sandstone dominantly medium to coarse, Argillaceous Sandstone very fine to fine and matrix supported, Silty Claystone gradational to Siltstone and Carbonaceous Siltstone.
ROP:	1.8 - 17 m/hr 6 m/hr average
Gas:	Background 1.2% C1 6380 ppm, C2 852 ppm, C3 549 ppm, IC4 119 ppm, NC4 214 ppm, C5 188 ppm. Peak 3339.5m 2.4% C1 1677 ppm, C2 1721 ppm, C3 865 ppm, IC4 165 ppm, NC4 277 ppm, C5 203 ppm. Peak 3346m 2.4% C1 16699 ppm, C2 1814 ppm, C3 893 ppm, IC4 174 ppm, NC4 267 ppm, C5 212 ppm. Peak 3350m 2.1% C1 13508 ppm, C2 1657 ppm, C3 934 ppm, IC4 191 ppm, NC4 282 ppm, C5 230 ppm

Wellsite Geologist(s)

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



Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
3300.0	3305.0	Sst	90		Sandstone, light olive grey overall, wh, clr-transl quartz grains, loose to friable, sub-angular to sub-rounded, moderately sorted to well sorted, elongated to slightly spherical, 10% siliceous clay, 90% siliceous sand, 15% fine grained, 65% medium grained, 20% coarse grained, trace of pyrite, 20% porosity, hydrocarbon show.
3305.0	3310.0	Clyst	40	carb	Claystone, dark brnish/gy, brnish/blk, soft to friable, sub-blocky to sub-fissile, 60% siliceous clay, 40% siliceous silt, 30% very fine grained, 50% fine grained, 20% medium grained, trace of pyrite.
3305.0	3310.0	Sst	60		Sandstone, light olive grey overall, wh, clr-transl quartz grainsellowish grey cemented aggregates. , loose to hard, sub-angular to sub-rounded, moderately sorted to well sorted, elongated to slightly spherical, 10% siliceous clay, 90% siliceous sand, 5% very fine grained, 25% fine grained, 50% medium grained, 20% coarse grained, trace of pyrite, 18% porosity, hydrocarbon show.
3310.0	3315.0	Clyst	80	slty	Claystone, dark brnish/gy, brnish/blk, soft to friable, sub-blocky to amorphous, 50% siliceous clay, 40% siliceous silt, 10% siliceous sand, 30% very fine grained, 50% fine grained, 20% medium grained, trace of pyrite.
3320.0	3325.0	Sst	70		Sandstone, clr-transl, rare lt gy , loose to friable, angular to sub-rounded, well sorted , slightly elongated to slightly spherical, 5% siliceous clay, 95% siliceous sand, 43% medium grained, 55% coarse grained, 2% very coarse grained, trace of pyrite, trace of coal/lignite, 20% porosity.