

**BASKER - 2**

Date : 04 Sep 2005

Geology Report Number : 18

(associated DDR # 30)

Well Details

Depth MDRT:	2,845.0m	Rig:	OCEAN PATRIOT	Date:	04 Sep 2005
Depth TVDBRT:	2,838.9m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	2,817.4m	GLE amsl:	155.5m	Report End:	24:00
Progress:	104.0m	Last Csg Size:	13.375in	Days On Location:	29.81
Hole Size:	12.250in	Last Csg Shoe:	1,000.1m	Days since Spud:	21.50
Hole Size Carbide:		F.I.T. / L.O.T.:	0.00ppg / 12.49ppg		

Operations Summary

24hr Summary:	RIH to bottom and started drilling ahead in 12.25" hole from 2741 mMDRT. Predominantly interbedded sandstones and argillaceous siltstones. Average ROP = 5-10 m/hr.
Forward Plan:	Drill ahead through Ma2 Dolomitic Sandstone Marker to casing point. CBU and POOH to run 9 5/8" casing.

WBM Data

Mud Type:	PHPA	Flowline Temp:		Cl:	38000mg/l	Low Gravity Solids:		Viscosity	65sec/qt
Sample From:	Active	MWD Circ Temp:		Hard/Ca:	360mg/l	High Gravity Solids:		PV	19cp
Time:	22.00	Glycol CP Temp:		MBT:	5	Solids (corrected):		YP	45lb/100ft ²
Weight:	10.00ppg	Glycol:	3.0%vol	PM:	0.3	H2O:	90%	Gels 10s	12
ECD TD:		Nitrates:		PF:	0.1	Oil:		Gels 10m	18
ECD Shoe:		Sulphites:		MF:	0.3	Sand:		Fann 003	12
ECD Cuttings:		API FL:	4.2cc/30min	pH:	8.8	Barite:		Fann 006	15
KCl Equiv:	3%	API Cake:	1/32nd"	PHPA Excess:				Fann 100	43
								Fann 200	55
								Fann 300	64
								Fann 600	83

Formation Tops

Formation	Prognosed		Actual		Diff. + / - TVD	Thickness MD	Pick Criteria
	MDRT	TVDSS	MDRT	TVDSS			
Gippsland Limestone	176.00m	154.00m	177.00m	155.50m	1.50m	1,578.00m	Mud line
Base Pleistocene	599.00m	577.00m					
Lakes Entrance	1,758.00m	1,736.00m	1,755.00m	1,733.50m	-2.50m	333.50m	cuttings
Latrobe Formation	2,092.00m	2,070.00m	2,088.50m	2,066.90m	-3.10m	73.00m	cuttings and LWD
Base Tuna Flounder Channel	2,167.00m	2,145.00m	2,161.50m	2,139.80m	-5.20m	451.50m	cuttings and ROP
K2 Sand Marker	2,601.00m	2,579.00m	2,613.00m	2,591.10m	12.10m	0.00m	LWD
Ma2 Marker	2,875.00m	2,844.00m					
Top Reservoir ZC1 marker	3,035.00m	2,989.00m					
Top Zone 2	3,095.00m	3,043.00m					
Top Zone 5	3,208.00m	3,146.00m					
Top Volcanics Unit 1	3,313.00m	3,241.00m					
TD	3,380.00m						



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)	C1/C5 (ppm)	* (ppm)	F2* (ppm)	F3* (ppm)
2741.00 - 2741.00	Trip	0.04	93	3	2	1	1	1	31	46.5	93	46.5	1	10
Comment:														
2760.00 - 2775.00	Background	0.10	323	24	6	2	1	1	13.46	53.83	323	107.67	2	90
Comment:														
2775.00 - 2807.00	Background	0.10	1284	85	20	4	1	2	15.11	64.2	642	256.8	4	262.5
Comment:														
2807.00 - 2833.00	Background	0.10	1158	82	28	5	3	4	14.12	41.36	289.5	144.75	1.67	220
Comment:														
2833.00 - 2872.00	Background	0.20	1227	168	95	19	23	16	7.3	12.92	76.69	29.21	0.83	690.38
Comment:														
2835.50 - 2835.50	Connection	0.20	1418	152	52	8	5	4	9.33	27.27	354.5	109.08	1.6	663
Comment:														
2858.00 - 2858.00	Peak	0.26	1698	250	167	35	51	13	6.79	10.17	130.62	19.74	0.69	2,758.62
Comment:														

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

Pore Pressure / Wellbore Stability	
Estimated Pore Pressure:	8.60
Hole Condition, Cavings:	Minor blocky calcareous claystone cavings noted in cuttings at the start of drilling after the bit trip. These stopped appearing in cuttings after a short time. Most likely represented cavings from above knocked off borehole wall during bit trip and wireline logging.
Gas Indicators - BG, TG, CG:	See gas summary sheet.
Losses:	Nothing abnormal.
Remarks:	Nothing abnormal.

Survey									
MDRT (m)	Incl. (deg)	Corr. Az (deg)	TVDBRT (m)	'V' Sect (deg)	Dogleg (deg/30m)	N/S (m)	E/W (m)	Tool Type	
2728.71	10.9	181.9	2727.24	-8.9	1.8	11.0	-11.3	MWD	
2757.90	13.9	178.3	2755.75	-2.7	3.2	4.7	-11.3	MWD	
2786.38	15.4	181.0	2783.30	4.4	1.7	-2.5	-11.3	MWD	
2814.75	17.0	182.0	2810.55	12.2	1.7	-10.4	-11.5	MWD	

06:00 Hrs Update	
Time:	06:00 Hrs on 05 Sep 2005
Depth:	2872 / 2866.3
Progress Since Midnight:	27
Drilling Status:	Drilling ahead 12.25" hole at 2872m. Sliding and rotating as required for directional control.
Formation:	Drilling Latrobe Formation below K2 Sandstone Marker
Lithology:	Interbedded sequence of Siltstone ranging from very argillaceous to very arenaceous, occasionally very carbonaceous and gradational in part to Carbonaceous Siltstone, and. Sandstone commonly loose and medium to very coarse, occasionally fine friable aggregates. Occasionally with strong pyritic cement.
ROP:	Minimum 3.7m/hr Max 52 m/hr, Ave 10m/hr.
Gas:	Gradual steady increase in background gas values from 2760 mMDRT which was noted also in Basker-1 (See gas summary for details).

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

Wireline	
Logging Suite Details	
Suite No.	1 Anzon Witness: M.Woodmansee/R.Blackmore
Wireline Depth MDRT:	1006.0 Wireline Company: Schlumberger



Wireline Shoe Depth MDRT:	1000.1	Wireline Engineer 1:	G.Ruthven
Maximum Deviation:		Wireline Engineer 2:	S.Nakanishi

Detailed Operational Summary

Date	Class	Start Time	End Time	Duration mins	End Depth MDRT	Activity
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Logging Suite Details

Suite No.	2	Anzon Witness:	R.Blackmore/M.Woodmansee
Wireline Depth MDRT:	2497.0	Wireline Company:	Schlumberger
Wireline Shoe Depth MDRT:	1000.1	Wireline Engineer 1:	G.Ruthven
Maximum Deviation:		Wireline Engineer 2:	

Detailed Operational Summary

Date	Class	Start Time	End Time	Duration mins	End Depth MDRT	Activity
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Logging Suite Details

Suite No.	3	Anzon Witness:	R.Blackmore/M.Woodmansee
Wireline Depth MDRT:	2741.0	Wireline Company:	Schlumberger
Wireline Shoe Depth MDRT:	1000.1	Wireline Engineer 1:	N.Sabanegh
Maximum Deviation:		Wireline Engineer 2:	

Detailed Operational Summary

Date	Class	Start Time	End Time	Duration mins	End Depth MDRT	Activity
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Lithology Report

Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
2740.0	2745.0	Sst	40		Sandstone, cl, transl, wh-lt gy, Loose, Sub-angular, to Angular, Poor sorted, Slightly Elongated, to Slightly Spherical, 5% siliceous clay, 20% siliceous silt, 75% siliceous sand, 10% very fine grained, 35% fine grained, 40% medium grained, 10% coarse grained, 5% very coarse grained, 0.1% Pyrite, 0.1% Coal, 10% porosity.No hydrocarbon shows.
2740.0	2745.0	Sltst	20	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 50% siliceous clay, 50% siliceous sand, 0.1% Pyrite, 0.1% Coal,
2740.0	2745.0	Clyst	20	sly	Claystone, med gy, Firm, sub-blocky, to blocky, 10% calcerous clay, 90% siliceous clay, 0.1% Pyrite,
2745.0	2750.0	Sltst	30	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 50% siliceous clay, 50% siliceous sand, 0.1% Pyrite, 0.1% Coal,
2745.0	2750.0	Clyst	40	sly	Claystone, med gy, Firm, sub-blocky, to blocky, 10% calcerous clay, 90% siliceous clay, 0.1% Pyrite,
2745.0	2750.0	Sst	20		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Moderately sorted, Slightly Elongated, to Slightly Spherical, 15% siliceous clay, 85% siliceous sand, 20% medium grained, 60% coarse grained, 20% very coarse grained, 0.1% Pyrite, 20% porosity, No hydrocarbon shows.
2750.0	2755.0	Sst	60		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 15% siliceous clay, 85% siliceous sand, 10% fine grained, 20% medium grained, 60% coarse grained, 10% very coarse grained, 0.1% Pyrite, 20% porosity, No Hydrocarbon shows.
2750.0	2755.0	Sltst	40	arg	Siltstone, brnsh gy, Soft, to Firm, sub-blocky, to blocky, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2755.0	2760.0	Sltst	30	arg	Siltstone, brnsh gy, Soft, to Moderately hard, sub-blocky, to blocky, 30% siliceous clay, 70% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2755.0	2760.0	Sst	70		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 5% siliceous clay, 95% siliceous sand, 10% fine grained, 20% medium grained, 60% coarse grained, 10% very coarse grained, 0.1% Pyrite, 20% porosity, No Hydrocarbon shows.
2760.0	2765.0	Sltst	50	arg	Siltstone, brnsh gy, Soft, to Moderately hard, sub-blocky, to blocky, 30% siliceous clay, 70% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2760.0	2765.0	Sst	50		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 5% siliceous clay, 95% siliceous sand, 10% fine grained, 20% medium grained, 60% coarse grained, 10% very coarse grained, 0.1% Pyrite, 15%

Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
					porosity, No Hydrocarbon shows.
2765.0	2770.0	Sltst	60	arg	Siltstone, brnsh gy, Soft, to Moderately hard, sub-blocky, to blocky, 30% siliceous clay, 70% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2765.0	2770.0	Sst	40		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 5% siliceous clay, 95% siliceous sand, 10% fine grained, 20% medium grained, 60% coarse grained, 10% very coarse grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2770.0	2775.0	Sst	20		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 5% siliceous clay, 95% siliceous sand, 10% very fine grained, 10% fine grained, 40% medium grained, 40% coarse grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2770.0	2775.0	Sltst	80	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to sub-blocky, 30% siliceous clay, 70% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2775.0	2780.0	Sst	20		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 5% siliceous clay, 95% siliceous sand, 10% very fine grained, 10% fine grained, 40% medium grained, 40% coarse grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2775.0	2780.0	Sltst	80	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to sub-blocky, 30% siliceous clay, 70% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2780.0	2785.0	Sst	30		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 5% siliceous clay, 20% siliceous silt, 75% siliceous sand, 10% very fine grained, 10% fine grained, 40% medium grained, 40% coarse grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2780.0	2785.0	Sltst	70	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 30% siliceous clay, 70% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2785.0	2790.0	Sst	5		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 10% siliceous clay, 20% siliceous silt, 70% siliceous sand, 10% very fine grained, 10% fine grained, 40% medium grained, 40% coarse grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2785.0	2790.0	Sltst	95	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2790.0	2795.0	Sst	15		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 10% siliceous clay, 20% siliceous silt, 70% siliceous sand, 10% very fine grained, 10% fine grained, 40% medium grained, 40% coarse grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2790.0	2795.0	Sltst	85	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2795.0	2800.0	Sst	30		Sandstone, cl, transl, wh-lt gy, Loose, Angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 10% siliceous clay, 20% siliceous silt, 70% siliceous sand, 10% very fine grained, 10% fine grained, 40% medium grained, 40% coarse grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2795.0	2800.0	Sltst	70	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2800.0	2805.0	Clyst	40	slty	Claystone, med-dk gy, occ wh-lt gy, Very soft, to Soft, amorphous, to dispersive, 20% siliceous silt, 0.1% Pyrite,
2800.0	2805.0	Sltst	60	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2805.0	2810.0	Sst	10	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 20% siliceous silt, 80% siliceous sand, 10% very fine grained, 30% fine grained, 30% medium grained, 30% coarse grained, 0.1% Pyrite, 10% porosity, No Hydrocarbon shows.
2805.0	2810.0	Sltst	90	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2810.0	2815.0	Sst	30	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 20% siliceous silt, 80% siliceous sand, 10% very fine grained, 40% fine grained, 30% medium grained, 20% coarse grained, 0.1% Pyrite, 10% porosity, No Hydrocarbon shows.
2810.0	2815.0	Sltst	70	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2815.0	2820.0	Sst	30	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 20% siliceous silt, 80% siliceous sand, 10% very fine grained, 40% fine grained, 30% medium grained, 20% coarse grained, 0.1% Pyrite,



Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
					10% porosity, No Hydrocarbon shows.
2815.0	2820.0	Sltst	70	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2820.0	2825.0	Sst	30	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 20% siliceous silt, 80% siliceous sand, 10% very fine grained, 40% fine grained, 30% medium grained, 20% coarse grained, 0.1% Pyrite, 10% porosity, No Hydrocarbon shows.
2820.0	2825.0	Sltst	70	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2825.0	2830.0	Sst	40	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 20% siliceous silt, 80% siliceous sand, 10% very fine grained, 40% fine grained, 30% medium grained, 20% coarse grained, 0.1% Pyrite, 10% porosity, No Hydrocarbon shows.
2825.0	2830.0	Sltst	60	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2830.0	2835.0	Sst	20	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 20% siliceous silt, 80% siliceous sand, 20% very fine grained, 60% fine grained, 20% medium grained, 0.1% Pyrite, 10% porosity, No Hydrocarbon shows.
2830.0	2835.0	Sltst	80	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2835.0	2840.0	Sst	30	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, to Friable, to sub-blocky, Sub-angular, to Sub-rounded, Moderately sorted, Slightly Elongated, to Slightly Spherical, 15% siliceous clay, 10% siliceous silt, 75% siliceous sand, 20% very fine grained, 60% fine grained, 20% medium grained, 0.1% Pyrite, 12% porosity, No Hydrocarbon shows.
2835.0	2840.0	Sltst	70	arg	Siltstone, brnsh gy, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2840.0	2845.0	Sst	50	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, to Friable, to sub-blocky, Sub-angular, to Sub-rounded, Moderately sorted, Slightly Elongated, to Slightly Spherical, 15% siliceous clay, 10% siliceous silt, 75% siliceous sand, 20% very fine grained, 60% fine grained, 20% medium grained, 0.1% Pyrite, 12% porosity, No Hydrocarbon shows.
2840.0	2845.0	Sltst	50	arg	Siltstone, brnsh gy, occ brn blk, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2845.0	2850.0	Sst	50	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, to Friable, to sub-blocky, Sub-angular, to Sub-rounded, Moderately sorted, Slightly Elongated, to Slightly Spherical, 15% siliceous clay, 10% siliceous silt, 75% siliceous sand, 20% very fine grained, 60% fine grained, 20% medium grained, 0.1% Pyrite, 12% porosity, No Hydrocarbon shows.
2845.0	2850.0	Sltst	50	arg	Siltstone, brnsh gy, occ brn blk, Very soft, to Soft, amorphous, to dispersive, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.1% Coal,
2850.0	2855.0	Sst	70	slty	Sandstone, cl-transl, occ wh-lt gy, Loose, to Friable, to sub-blocky, Sub-angular, to Sub-rounded, Moderately sorted, Slightly Elongated, to Slightly Spherical, 15% siliceous clay, 10% siliceous silt, 75% siliceous sand, 20% very fine grained, 60% fine grained, 20% medium grained, 0.1% Pyrite, 15% porosity, No Hydrocarbon shows.
2850.0	2855.0	Sltst	30	arg	Siltstone, brnsh gy, occ brn blk, Very soft, to Soft, sub-blocky, to sub-fissile, 10% siliceous clay, 90% siliceous silt, 0.1% Pyrite, 0.5% Coal,