Anzon Australia LIMITED

Basker-3

Date : 27 Apr 2006 | **Geology Report Number : 26** | (associated DDR # 31)

Well Details

Depth MDRT:	4125.0m	Rig:	OCEAN PATRIOT	Date:	27 Apr 2006
Depth TVDBRT:	3353.5m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	3332.0m	LAT amsl:	152.9m	Report End:	24:00
Progress:	112.0m	Last Csg Size:	9.625in	Days On Location:	29.27
Hole Size:	8.500in	Last Csg. Shoe (TVD):	2826.8m	Days since Spud:	57.81
Hole Size Carbide:		Last Csg. Shoe (MD):	3520.0m		
		F.I.T. / L.O.T.:	13.00ppg /		

Operations Summary

24hr Summary:	Drilled the interval 4013-4125m MD = 3353.5m TVDRT(Total Depth). TD reached at 1440 hrs 27th April. Zone 7 continued - 4013m MD Sandstone and Siltstone 1.8-54 m/hr ROP range 11.7 m/hr ROP Aver. 2.1% Aver. Backgd TG Top "Volcanics" - 4015m MD Variably altered Volcanics, and Volcaniclastics. 1.0-54 m/hr ROP range 12.8 m/hr ROP Aver. 3.9% Aver. Backgd TG Reservoir Zone 8 - 4053m MD Sandstone and Siltstone and Carbonaceous Claystone 4.3-45m/hr ROP range 19 m/hr ROP Aver. 3.5% Aver. Backgd TG "Volcanics" continued - 4070mMD Variably degraded/altered volcanics with some well defined interbeds of carbonaceous Claystones and Carbonaceous Siltstones in places. 4-38m/hr ROP range 9.6 m/hr ROP Aver. 0.6% TG
Forward Plan:	Complete POOH for 8 1/2" hole section wireline logging. 3 wireline runs planned as follows:- Run 1- FMI/DSI/HRLA/PEX/HNGS Run 2 - VSI4/GR Run 3 - MDT/GR(pretests and samples)

WBM Data

Mud Type:	KCL/PHPA/Glycol	Flowline Temp:		Cl:	33000mg/l	Low Gravity Solids:	
Sample From:	Active pit	MWD Circ Temp:		Hard/Ca:	300mg/l	High Gravity Solids:	
Time:	15:00	Glycol CP Temp:		MBT:	4	Solids (corrected):	
Weight:	9.20ppg	Glycol:	1.8%vol	PM:	0.5	H2O:	93%
ECD TD:		Nitrates:		PF:	0.02	Oil:	0%
ECD Shoe:		Sulphites:		MF:	0.7	Sand:	0.3
ECD Cuttings:		API FL:	5.0cc/30min	pH:	8.8	Barite:	
KCl Equiv:	6%	API Cake:	1/32nd"	PHPA Excess:			

Viscosity	53sec/qt
PV	17cp
YP	28lb/100ft²
Gels 10s	9
Gels 10m	13
Fann 003	8
Fann 006	11
Fann 100	30
Fann 200	38
Fann 300	45
Fann 600	62

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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	322.00m	LWD based on B-5
Ma2 Sandstone	3552.00m	2832.50m	3552.00m	2832.50m	0.00m	129.00m	Not clearly defined
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	130.00m	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	39.00m	LWD gamma
Top Volcanics	4042.00m	3267.00m	4015.00m	3237.80m	-29.20m	38.00m	LWD gamma and lithology
Reservoir Zone 8	4085.00m	3295.00m	4053.00m	3271.00m	-24.00m	17.00m	ROP, litholgy and gas peak
Volcanics continued	4100.00m	3310.00m	4070.00m	3285.50m	-24.50m	55.00m	LWD gamma and lithology
TD	4109.00m	3319.00m					

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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
4055.00m	4070.00m			nil	nil	nil	bright green	green / cream	green / cream	FAIR

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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)
4013.00 - 4015.00	Background	1.10	5727	661	376	73	172	176	8.66	15.23	32.54	245	1,443.55
Comment:													
4014.50 -	Peak	1.20	6872	779	422	77	181	185	8.82	16.28	37.15	258	1,674.91
Comment:													
4015.00 - 4053.00	Background	3.90	28333	2139	892	151	287	233	13.25	31.76	121.6	438	5,697.76
Comment:													
4025.00 -	Peak	22.00	160818	12042	4325	571	1083	601	13.35	37.18	267.58	1,654	45,043.29
Comment: Gas peak from a sandstone which had pronounced associated drilling break such that improved reservoir quality inferred.													
4034.50 -	Peak	2.90	22279	1831	851	147	305	257	12.17	26.18	86.69	452	4,716.98
Comment:													
4053.00 - 4070.00	Background	3.50	25408	2282	1033	157	323	251	11.13	24.6	101.23	480	6,339.44
Comment:													
4057.00 -	Peak	8.90	71795	5887	2500	842	682	437	12.2	28.72	164.29	1,524	29,248.94
Comment:													
4063.00 -	Peak	4.40	31804	3268	1536	227	485	351	9.73	20.71	90.61	712	9,744.87
Comment:													
4065.00 -	Peak	5.20	37845	3896	1835	263	562	391	9.71	20.62	96.79	825	12,092.26
Comment:													
4070.00 - 4125.00	Background	0.60	2900	210	145	35	75	100	13.81	20	29	110	390.5
Comment:													
4089.50 -	Peak	4.00	30767	2644	1429	243	387	281	11.64	21.53	109.49	630	9,131.64
Comment: gas peak sourced from variably carbonaceous siltstones and carbonaceous claystones with coaly laminae													
4119.50 -	peak	2.80	20936	1821	1072	190	346	262	11.5	19.53	79.91	536	5,918.5
Comment: gas peak sourced from variably carbonaceous siltstones and carbonaceous claystones with coaly laminae													

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
4026.75	29.2	130.1	3269.53	2169.7	0.1	-1422.8	1620.5	MWD
4054.51	29.3	129.4	3293.75	2183.2	0.3	-1451.4	1630.9	MWD
4083.34	30.9	130.1	3318.70	2197.7	1.7	-1460.7	1642.0	MWD
4112.58	34.3	130.7	3343.34	2213.4	3.5	-1470.9	1664.0	MWD
4125.00	35.8	131.0	3353.51	2220.5	3.5	-1475.5	1659.4	MWD

06:00 Hrs Update

Time:	06:00 Hrs on 28 Apr 2006
Depth:	4125 / 3353.5
Progress Since Midnight:	0
Drilling Status:	Rigging up for Schlumberger wire line operations.
Formation:	Latrobe
Lithology:	Interbedded Clastics and Volcanics
ROP:	No drilling
Gas:	No circulation

Wellsite Geologist(s)

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

Lithology Report

Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
3540.0	3545.0	Sltst	98		Siltstone, med-lt brnish 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

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Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
					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, clt-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 brnish 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 brnish 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	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.
4010.0	4015.0	Sltst	70	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.
4020.0	4025.0	Sst	40		Sandstone, clt-transl rare orng/brn and grn grains, loose, angular to rounded, well sorted , elongated to slightly spherical, 100% siliceous sand, 10% very fine grained, 30% fine grained, 60% medium grained, trace of pyrite, 20% porosity, no hydrocarbon show.
4030.0	4035.0	Vol	90	kaol	Volcanic, dom wh, occ mott grn/ wh, very soft to firm, amorphous to sub-blocky, 90% siliceous clay, 10% siliceous sand, 10% quartz crystals.
4040.0	4045.0	Vol	95		Volcanic, dom wh, occ mott grn/ wh, blk/grn., very soft to firm, amorphous to sub-blocky, 90% siliceous clay, 10% siliceous sand, 10% quartz crystals.
4050.0	4055.0	Sst	15		Sandstone, clt-transl, occ grn grains, occ yel/brn grns, loose, sub-angular to sub-rounded,

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Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
					well sorted , elongated to slightly spherical, 10% siliceous clay, 90% siliceous sand, 50% fine grained, 49% medium grained, 1% coarse grained, trace of pyrite, 18% porosity, no hydrocarbon show.
4060.0	4065.0	Sst	50		Sandstone, clt-transl, occ grn grains, loose to very soft, sub-rounded to angular, moderately sorted , slightly elongated to slightly spherical, 5% siliceous clay, 95% siliceous sand, 20% very fine grained, 35% fine grained, 40% medium grained, 5% coarse grained, trace of pyrite, 15% porosity, hydrocarbon show.
4075.0	4080.0	Vol	100		Volcanic, wh, lt grn, mott grn/ wh, very soft, amorphous, 95% siliceous clay, 10% quartz crystals.
4090.0	4095.0	Sltst	50	carb	Siltstone, varying lt-dk brnish gy shades. , very soft to soft, sub-blocky, 40% siliceous clay, 60% siliceous silt, trace of pyrite, 5% coal.
4095.0	4100.0	Vol	80		Volcanic, mostly light whitish grey to light olive grey shades with minor medium to dark green crystalline. also minor mott grn/ wh. degraded/ altered volcanics dominate., very soft to firm, amorphous, 90% very fine grained, 10% quartz crystals.
4120.0	4125.0	Clyst	60	carb	Claystone, varying light to dark shades of brnish gy, minor brn blk and blk brn, soft to firm, sub-blocky to blocky, 80% siliceous clay, 20% siliceous silt, trace of pyrite, 20% coal.