Anzon Australia LIMITED

BASKER - 2

Date : 09 Sep 2005 | **Geology Report Number : 23** | (associated DDR # 35)

Well Details

Depth MDRT:	3,311.0m	Rig:	OCEAN PATRIOT	Date:	09 Sep 2005
Depth TVDBRT:	3,253.0m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	3,231.5m	GLE amsl:	155.5m	Report End:	24:00
Progress:	191.0m	Last Csg Size:	9.625in	Days On Location:	34.81
Hole Size:	8.500in	Last Csg Shoe:	2,929.0m	Days since Spud:	26.50
Hole Size Carbide:		F.I.T. / L.O.T.:	13.10ppg / 0.00ppg		

Operations Summary

24hr Summary:	Drilled ahead from 3119 mMDRT. POOH for short wiper trip to the shoe at 3157 mMDRT. RIH and drilled ahead from 3157-3310 mMDRT through finely interbeded sandstones and siltstones with minor dolomitic stringers and carbonaceous siltstones. Gas peaks noted at 3240 mMDRT and 3263 mMDRT. Very rare pin-point fluorescence noted from 3100 - 3150m, 3235 - 3240m and 3250 - 3255m. (See gas summary and show sheet for details). Pulling out of hole at 3310mMDRT to investigate a drop in the pump pressure.
Forward Plan:	POOH to investigate drop in pump pressure. RIH and drill ahead from 3310 mMDRT to the top of the volcanics. Drill aheadl 67m into the volcanics to TD.

WBM Data

Mud Type:	PHPA / KCl / Glycol	Flowline Temp:		Cl:	39000mg/l	Low Gravity Solids:	
Sample From:	Active	MWD Circ Temp:		Hard/Ca:	360mg/l	High Gravity Solids:	
Time:	16:30	Glycol CP Temp:		MBT:	5	Solids (corrected):	
Weight:	9.40ppg	Glycol:	2.0%vol	PM:	0.3	H2O:	93%
ECD TD:		Nitrates:		PF:	0.1	Oil:	
ECD Shoe:		Sulphites:		MF:	0.5	Sand:	
ECD Cuttings:		API FL:	5.0cc/30min	pH:	8.2	Barite:	
KCl Equiv:	5%	API Cake:	1/32nd"	PHPA Excess:			

Viscosity	58sec/qt
PV	16cp
YP	36lb/100ft²
Gels 10s	11
Gels 10m	15
Fann 003	10
Fann 006	12
Fann 100	34
Fann 200	44
Fann 300	52
Fann 600	68

Formation Tops

Formation	Prognosed		Actual		Diff.	Thickness MD	Pick Criteria
	MDRT	TVDSS	MDRT	TVDSS	+ / - TVD		
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	267.00m	LWD
Ma2 Marker	2,875.00m	2,844.00m	2,880.00m	2,850.00m	6.00m	175.50m	Offset wells
Top Reservoir ZC1 marker	3,035.00m	2,989.00m	3,055.50m	3,003.50m	14.50m	57.00m	LWD
Top Zone 2	3,095.00m	3,043.00m	3,112.50m	3,053.50m	10.50m	126.00m	LWD, cuttings
Top Zone 5	3,208.00m	3,146.00m	3,238.50m	3,165.50m	19.50m	0.00m	LWD
Top Volcanics Unit 1	3,313.00m	3,241.00m					
TD	3,380.00m						

Oil Shows

From	To	Formation	Lithology	White Light			UV Light			Rating
				Stain	Cut	Residue	Fluor.	Cut Fluor.	Residue	
3,100.00m	3,150.00m			nil	nil	nil	light green	nil	nil	very poor
3,235.00m	3,240.00m			Nil	Nil	Nil	Light green	Nil	Dark blue	Poor
3,250.00m	3,255.00m			Nil	Nil	Nil	Pin-point yellow	Nil	Dark-blue	Poor

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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)	C1/C5 (ppm)	* (ppm)	F2* (ppm)	F3* (ppm)
3240.00 - 3243.00	Show	1.40	10840	1400	795	142	247	73	7.74	13.64	148.49	27.87	0.57	11,696.64
Comment:														
3262.00 - 3263.00	Show	3.00	10000	980	890	210	120	70	10.2	11.24	142.86	30.3	1.75	8,815.71
Comment:														
3285.00 - 3290.00	Show	1.20	7194	905	513	87	200	73	7.95	14.02	98.55	25.07	0.44	5,574.88
Comment:														

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

Pore Pressure / Wellbore Stability

Estimated Pore Pressure:	8.30
Hole Condition, Cavings:	Normal.
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
3123.98	28.0	177.2	3085.03	151.1	1.0	-151.3	-11.4	MWD
3153.21	27.9	176.2	3110.85	164.4	0.5	-165.0	-10.6	MWD
3181.82	27.5	174.9	3136.18	177.3	0.8	-178.3	-9.6	MWD
3210.14	26.7	173.9	3161.40	189.7	1.0	-191.1	-8.3	MWD
3238.54	26.3	172.3	3186.81	201.8	0.9	-203.7	-6.8	MWD
3267.81	25.9	171.8	3213.10	214.1	0.5	-216.5	-5.0	MWD

06:00 Hrs Update

Time:	06:00 Hrs on 10 Sep 2005
Depth:	3310/3252
Progress Since Midnight:	0
Drilling Status:	Laying down mud motor and AGS from string
Formation:	No drilling.
Lithology:	No drilling.
ROP:	No drilling.
Gas:	No drilling.

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

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:	

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Detailed Operational Summary						
Date	Class	Start Time	End Time	Duration mins	End Depth MDRT	Activity

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

Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
3100.0	3110.0	Sst	10		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Well sorted, Elongated, to Slightly Spherical, 100% siliceous sand, 50% medium grained, 50% coarse grained, 0.5% Pyrite cement, 0.5% Pyrite, 20% porosity, Hydrocarbon shows.
3235.0	3240.0	Sst	20		Sandstone, clr, transl, v lt gy, wh, Loose, to Friable, sub-blocky, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Spherical, 15% siliceous clay, 5% siliceous silt, 80% siliceous sand, 10% very fine grained, 10% fine grained, 30% medium grained, 50% coarse grained, 0.1% Silica cement, 0.1% Pyrite, 15% porosity, Hydrocarbon shows.
3235.0	3240.0	Sltst	80	arg	Siltstone, brnish gy, brnish blk, Soft, to Friable, sub-blocky, to sub-fissile, 20% siliceous clay, 80% siliceous silt, 0.5% Coal, 0.1% Pyrite,
3240.0	3245.0	Sst	50		Sandstone, clr, transl, v lt gy, wh, Loose, to Friable, sub-blocky, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Spherical, 15% siliceous clay, 5% siliceous silt, 80% siliceous sand, 10% very fine grained, 10% fine grained, 30% medium grained, 50% coarse grained, 0.1% Silica cement, 0.1% Pyrite, 15% porosity,
3240.0	3245.0	Sltst	50	arg	Siltstone, brnish gy, brnish blk, Soft, to Friable, sub-blocky, to sub-fissile, 20% siliceous clay, 80% siliceous silt, 0.5% Coal, 0.1% Pyrite,
3245.0	3250.0	Sst	5		Sandstone, clr, transl, v lt gy, wh, Loose, to Friable, sub-blocky, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Spherical, 15% siliceous clay, 5% siliceous silt, 80% siliceous sand, 10% very fine grained, 10% fine grained, 30% medium grained, 50% coarse grained, 0.1% Silica cement, 0.1% Pyrite, 15% porosity,
3245.0	3250.0	Sltst	95	arg	Siltstone, brnish gy, brnish blk, Soft, to Friable, sub-blocky, to sub-fissile, 20% siliceous clay, 80% siliceous silt, 0.5% Coal, 0.1% Pyrite,
3250.0	3255.0	Sst	0.1		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 60% fine grained, 30% medium grained, 0.1% Pyrite, 5% porosity,
3250.0	3255.0	Sltst	100	arg	Siltstone, brnish gy, brnish blk, Soft, to Moderately hard, sub-blocky, to sub-fissile, 20% siliceous clay, 80% siliceous silt, 5% Coal, 0.1% Pyrite, 5% porosity, Hydrocarbon shows.
3255.0	3260.0	Sst	0.1		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 60% fine grained, 30% medium grained, 0.1% Pyrite, 5% porosity, no Hydrocarbon shows.
3255.0	3260.0	Sltst	100	arg	Siltstone, brnish gy, brnish blk, Soft, to Moderately hard, sub-blocky, to sub-fissile, 20% siliceous clay, 80% siliceous silt, 5% Coal, 0.1% Pyrite,
3260.0	3265.0	Sst	10		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 60% fine grained, 30% medium grained, 0.1% Pyrite, 5% porosity, no Hydrocarbon shows.
3260.0	3265.0	Sltst	90	arg	Siltstone, brnish gy, brnish blk, Very soft, to Firm, amorphous, to sub-blocky, 40% siliceous clay, 60% siliceous silt, 5% Coal, 0.1% Pyrite,
3265.0	3270.0	Sst	30		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 60% fine grained, 30% medium grained, 0.1% Pyrite, 15% porosity, no Hydrocarbon shows.
3265.0	3270.0	Sltst	70	arg	Siltstone, brnish gy, brnish blk, Very soft, to Firm, amorphous, to sub-blocky, 40% siliceous clay, 60% siliceous silt, 5% Coal, 0.1% Pyrite,
3270.0	3275.0	Sst	40		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 60% fine grained, 30% medium grained, 0.1% Pyrite, 15% porosity, no Hydrocarbon shows.
3270.0	3275.0	Sltst	60	arg	Siltstone, brnish gy, brnish blk, Soft, to Firm, sub-blocky, to blocky, 40% siliceous clay, 60% siliceous silt, 5% Coal, 0.1% Pyrite,

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Lithology Report					
Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
3275.0	3280.0	Sst	30		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 60% fine grained, 30% medium grained, 0.1% Pyrite, 15% porosity, no Hydrocarbon shows.
3275.0	3280.0	Sltst	70	arg	Siltstone, brnish gy, brnish blk, Soft, to Firm, sub-blocky, to blocky, 40% siliceous clay, 60% siliceous silt, 5% Coal, 0.1% Pyrite,
3280.0	3285.0	Sst	30		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 50% fine grained, 30% medium grained, 10% coarse grained, 0.1% Pyrite, 15% porosity, no Hydrocarbon shows.
3280.0	3285.0	Sltst	70	arg	Siltstone, brnish gy, lt brnish blk, Soft, to Firm, sub-blocky, to blocky, 40% siliceous clay, 60% siliceous silt, 1% Coal, 0.1% Pyrite,
3285.0	3290.0	Sst	70		Sandstone, clr, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 100% siliceous sand, 10% very fine grained, 50% fine grained, 30% medium grained, 10% coarse grained, 0.1% Pyrite, 15% porosity, no Hydrocarbon shows.
3285.0	3290.0	Sltst	30	arg	Siltstone, brnish gy, lt brnish blk, Soft, to Firm, sub-blocky, to blocky, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.2% Coal,
3290.0	3295.0	Sltst	90	arg	Siltstone, brnish gy, lt brnish blk, Soft, to Firm, sub-blocky, to blocky, 40% siliceous clay, 60% siliceous silt, 0.1% Pyrite, 0.2% Coal,
3290.0	3295.0	Clyst	10	cal	Claystone, wh, Very soft, to Soft, amorphous, to dispersive, 20% calcerous clay, 80% siliceous clay,
3295.0	3300.0	Sst	80	kaol	Sandstone, wh, transl, Loose, Sub-angular, to Sub-rounded, Poor sorted, Slightly Elongated, to Slightly Spherical, 20% siliceous clay, 80% siliceous sand, 10% very fine grained, 40% fine grained, 30% medium grained, 20% coarse grained, 0.1% Pyrite, 10% porosity, no Hydrocarbon shows.
3295.0	3300.0	Sltst	20	arg	Siltstone, dk brn, med brn, Firm, to Moderately hard, sub-blocky, to blocky, 20% siliceous clay, 80% siliceous silt, 5% Pyrite,
3300.0	3305.0	Sltst	20	arg	Siltstone, dk brn, med brn, Soft, to Firm, sub-blocky, to blocky, 20% siliceous clay, 80% siliceous silt, 0.1% Pyrite,
3300.0	3305.0	Clyst	80	kaol	Claystone, wh-lt gy, Very soft, to Soft, amorphous, to dispersive, 100% siliceous clay, 0.1% Pyrite,

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