

**Basker-3**

Date : 29 Apr 2006

Geology Report Number : 28

( associated DDR # 33 )

**Well Details**

Depth MDRT:	4125.0m	Rig:	OCEAN PATRIOT	Date:	29 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:	0.0m	Last Csg Size:	9.625in	Days On Location:	31.23
Hole Size:	8.500in	Last Csg. Shoe (TVD):	2826.8m	Days since Spud:	59.81
Hole Size Carbide:		Last Csg. Shoe (MD):	3520.0m		
		F.I.T. / L.O.T.:	13.00ppg /		

**Operations Summary**

24hr Summary:	Run Wireline Run (2) MDT/GR (pretests, pump-outs and samples) 72 Pretests conducted, 36 Valid, 5 No Seal, 25 Low Permeability, 6 Other. 22 Pumpouts LFA-OFA analysis. 4x450cc samples taken at 2 depths. Pretests aborted early due to sticky hole conditions. Sampling program aborted early due to sticky hole conditions (see wireline summary)
Forward Plan:	Run 178mm liner and cement. Run Wireline, Run (3) VSI/4-GR inside casing.

**WBM Data**

Mud Type: KCL/PHPA/Glycol	Flowline Temp:	Cl:	33000mg/l	Low Gravity Solids:	Viscosity	70sec/qt
Sample From: Active pit	MWD Circ Temp:	Hard/Ca:	300mg/l	High Gravity Solids:	PV	15cp
Time: 08:00	Glycol CP Temp:	MBT:	4	Solids (corrected):	YP	26lb/100ft <sup>2</sup>
Weight: 9.30ppg	Glycol: 1.8%vol	PM:	0.5	H2O:	Gels 10s	7
ECD TD:	Nitrates:	PF:	0.03	Oil:	Gels 10m	12
ECD Shoe:	Sulphites:	MF:	0.7	Sand:	Fann 003	5
ECD Cuttings:	API FL: 4.0cc/30min	pH:	8.8	Barite:	Fann 006	8
KCl Equiv: 6%	API Cake: 1/32nd"	PHPA Excess:			Fann 100	24
					Fann 200	34
					Fann 300	41
					Fann 600	56

**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 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					



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

**06:00 Hrs Update**

Time:	06:00 Hrs on 30 Apr 2006
Depth:	4125 / 3353.5
Progress Since Midnight:	0
Drilling Status:	Picking up shoe track assembly.
Formation:	Latrobe
Lithology:	No Drilling
ROP:	Wireline logging no drilling
Gas:	No circulation

**Wellsite Geologist(s)**

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

**Wireline**

**Logging Suite Details**

Suite No.	1	Anzon Witness:	M.Woodmansee/S.Duff
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Wireline Depth MDRT:	4121.0	Wireline Company:	Schlumberger
Wireline Shoe Depth MDRT:	3519.0	Wireline Engineer 1:	Kasian S.
Maximum Deviation:		Wireline Engineer 2:	Jo Jo

**Log Header Data**

Run Number:	2	Log Top:	3534
Tool String:	MDT-GR (with x12 450cc PVT's)	Log Bottom:	3964.5
Witness:	M.Woodmansee / S.Duff	Conveyance:	Wireline
Hole Size:	216		
Date Bit Reached TD:	27 Apr 2006	Time Bit Reached TD:	14:40
Date Circ Started:	27 Apr 2006	Time Circ Started:	14:40
Date Circ Stopped:	27 Apr 2006	Time Circ Stopped:	16:00
Date start of run operation:	28 Apr 2006	Time start of run operation:	16:55
Date Tool left Max Depth:		Time Tool left Max Depth:	
Date end of run operation:		Time end of run operation:	
Run Summary:	<p>Completed pretests and pumpouts between 3534-3964.5m MD. Hole noted to be getting gradually more sticky with time. Tight pretest at 3964.5m MD - unsure if on correct depth so elect to do gamma correlation pass. Hole sticky moving up and down to complete this correlation pass. Coming off stations alright but sticky moving between stations. Consulted with town and balance of the pretests (7 pretests and 1 pumpout) below 3964.5m MD aborted. Move onto sampling programme - first fluid sampling depth at 3865.5m MD. Worked up to complete programme of fluid sampling and extended pumpouts (for CFA/GOR characterisation). Took second fluid samples at 3674m. Attempted to move off station - tool stuck. Freed tool with 11,900lbs overpull with the winch. Abort remainder of MDT programme and POOH.</p> <p>72 Pretests attempted, 36 Valid, 5 No Seal, 25 Low Permeability, 6 Other. 22 Pumpouts LFA-OFA analysis. 4x450cc samples taken at 2 depths.</p>	Log quality Remarks:	<p>Poor hole conditions caused the Pretests and Sampling program to be abandoned prematurely. Depth control and GR correlations became increasingly difficult with depth due to the poor hole conditions.</p>
Max Temperature (°C) :	115.5	Thermometer Depth:	3940
Temperature Buildup Comments:	Temperature taken from thermometers in the head		
Mud Source:	Flowline		
RM Value (ohm m):	0.148	RM Temp (°C):	23
RMF Value (ohm m):	0.129	RMF Temp (°C):	21
RMC Value (ohm m):	0.178	RMC Temp (°C):	22

**Detailed Operational Summary**

Date	Class	Start Time	End Time	Duration mins	End Depth MDRT	Activity
<b>2</b>						
	Productive Time	16:00	16:55	55		Make up Run # 2 tool comprising MDT with x12 450cc PVT's ( x2 MRMS's) for fluid sampling. Total tool length 24m. Initialise tool at surface and perform full tool check. Zero tool at rig floor.
	Productive Time	16:55	18:25	90		Commence RIH, compensate at 100m, continue RIH to shoe at 8000'/hr, slow down at BOP's. Continue down to 3510m MD.
	Productive Time	18:25	19:20	55		Commence stabilising quartz gauge prior to beginning pretest programme. Drop down below shoe to 3615m MD for gamma correlation pass (add 2.5m) - some 'stickyness' noted during this pass. Do repass and correlation to MAIN PASS log good. Move back up to inside shoe to complete gauge stabilisation.
	Productive Time	19:20	20:10	50		Commence pretests / pumpouts. Depth station # 1 at 3534m MD. While doing pumpout # 2 at 3554.5m MD getting indications of communications problem with tool - terminate pumpout early.
	Lost Time (Other)	20:10	20:30	20		Pull back to inside shoe to investigate tool communication problem during pumpout. Hole indicating 'sticky' while pulling up



					to inside shoe - overpull up to 2000lbs. Change out MDT surface module. Check pumpout inside shoe.
	Productive Time	20:30	23:20	170	Move to the 3rd pretest/pumpout station at 3563.5m MD and continue pretests/pumpouts. Do gamma correlation after this for interval 3575-3590m and find that need to readjust depth 2m down - sticky hole causing problems. Continue pretests/pumpouts. Complete pretest/pumpout at 3605.5m.
	Productive Time	23:20	23:35	15	Gamma correlation pass over interval 3685-3620m MD for next batch of pretests and pumpouts
	Productive Time	23:35	23:59	24	Continue pretests and pumpouts from 3626.5m MD to 3626.9m MD.
	Productive Time	00:00	13:30	810	Continue pretests and pumpouts between 3631.5m - 3964.5m MD. GR correlate at 3740m depth correction +1.0m Hole tight pulled hi-tension (9000lbs) 3 times. GR correlation at 3800m depth correction +1.6m Pulled high tension (9000lbs) once. GR correlation at 3850m depth correction +0.6m Pulled high tension (9000lbs) once. GR correlation at 3960m depth correction +0.8m, pulled high tension (9000lbs) once. GR correlation at 4010m depth correction +0.8m, pulled winch high tension (9700lbs) once at start log up. Sticky hole on log up - gamma correlation constrained due to varying stretch due to tool sticking. Hole condition deteriorating - discuss with town - decide to abort further pretests at/below 3964.5m MD and go to first sampling depth .
	Productive Time	13:30	22:05	515	Move to first fluid sampling station at 3861.5m MD. Indicates gas so move down. Take first fluid (oil) sample at 3865.5m MD. Continue fluid sampling and extended pumpouts for CFA/GOR character. Correlation pass 3750-3715m MD (+0.5m correction). take 2nd fluid sample at 3674mMD and try to drop off station - tool would not drop off
	Lost Time (Other)	22:05	23:59	114	MDT tool stuck at 3674m - attempt to work up and down. Discuss situation with Schlumberger and drilling in town. Decision made to attempt to pull stuck tool with winch to max. 12K lbs. Tool comes free at 11,900 lbs overpull at 2345 hrs. Decision made to POOH and abort remainder of MDT run. POOH to 3180m MD.