



Basker-4

Date : 19 May 2006

Geology Report Number : 17

(associated DDR # 23)

Well Details

Depth MDRT:	3480.0m	Rig:	OCEAN PATRIOT	Date:	19 May 2006
Depth TVDBRT:	3301.2m	RTE amsl:	21.5m	Report Start:	00:00
Depth TVDSS:	3279.7m	LAT amsl:	154.5m	Report End:	24:00
Progress:	42.0m	Last Csg Size:	13.375in	Days On Location:	21.44
Hole Size:	12.250in	Last Csg. Shoe (TVD):	987.2m	Days since Spud:	81.50
Hole Size Carbide:		Last Csg. Shoe (MD):	998.5m		
		F.I.T. / L.O.T.:	12.50ppg /		

Operations Summary

24hr Summary:	<p>Drilled the interval 3438-3480m MDRT reached at 1230 hrs.</p> <p>3438-3340m MDRT Silty Claystone and Argillaceous Sandstone. ROP 6.6- 16m/hr 11m/hr average ROP Background gas 2.6%TG</p> <p>Volcanic Marker picked at 3440m MDRT = 3261.3m TVDRT</p> <p>3340-3345m MDRT ("Volcanic Marker") Claystone (medium dark grey, very soft), Silty Claystone, Argillaceous Sandstone, Sandstone and Silty Claystone (brownish grey to occasionally orange brown). ROP 2- 16m/hr 5.7m/hr average ROP Background gas 1.05%TG</p> <p>Top Volcanics (Unit1) 3445m MDRT = 3266.3 mTVDRT</p> <p>3445-3480m MDRT(Total Depth) Volcanics, commonly weathered to Claystone at the top of the section and grading to variably weathered volcanics and occasionally fresh volcanics with depth. ROP 1.5- 15m/hr 3.5m/hr average ROP Background gas 0.8%TG</p>
Forward Plan:	Continue Schlumberger wireline logging programme.

WBM Data

Mud Type: PHPA/KCL/Glycol	Flowline Temp:	Cl:	45000mg/l	Low Gravity Solids:	Viscosity	88sec/qt
Sample From: Active pit	MWD Circ Temp:	Hard/Ca:	420mg/l	High Gravity Solids:	PV	25cp
Time: 13:30	Glycol CP Temp:	MBT:	5	Solids (corrected):	YP	58lb/100ft²
Weight: 9.50ppg	Glycol: 1.5%vol	PM:	0.3	H2O: 91%	Gels 10s	17
ECD TD:	Nitrates:	PF:	0.02	Oil: 0%	Gels 10m	12
ECD Shoe:	Sulphites:	MF:	0.7	Sand: .25	Fann 003	12
ECD Cuttings:	API FL: 4.6cc/30min	pH:	8.8	Barite:	Fann 006	17
KCl Equiv: 8%	API Cake: 1/32nd"	PHPA Excess:			Fann 100	53
					Fann 200	71
					Fann 300	83
					Fann 600	108

Formation Tops

Formation	Prognosed		Actual		Diff.	Thickness (MD)	Pick Criteria
Reservoir Zone 6.2	3456.28	3210.00	3394.60	3194.50	15.50	31.60	LWD
Reservoir Zone 7	3474.00	3242.00	3426.20	3226.00	16.00	18.80	LWD
Volcanics (Unit 1)	3505.66	3254.00	3445.00	3244.80	9.20	35.00	LWD and Sample
Total Depth	3585.00	3344.00	3480.00	3301.00	43.00	0.00	

**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)
3438.00 - 3440.00	Background	2.60	17776	1690	966	159	116	268	10.52	18.4	66.33	275	2,725.37
Comment:													
3440.00 - 3445.00	Background	1.05	5747	602	418	90	90	293	9.55	13.75	19.61	180	626.62
Comment:													
3445.00 - 3480.00	Background	0.80	3674	274	205	57	131	171	13.41	17.92	21.49	188	526.62
Comment: Background gas clearly on a decreasing trend as more of the volcanoclastic section penetrated - no increase in gas was present at around the expected "Unit 8" Reservoir Sandstone stratigraphic level.													

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
3440.98	2.4	280.5	3262.29	923.4	0.1	-63.9	-921.3	MWD
3471.94	2.7	285.7	3293.22	924.7	0.3	-63.5	-922.6	MWD
3480.00	2.7	285.7	3301.27	925.0		-63.4	-923.0	Extrapolation

06:00 Hrs Update

Time:	06:00 Hrs on 20 May 2006
Depth:	3480 / 3301.2
Progress Since Midnight:	0
Drilling Status:	Laying out log Run 1 tools: HRLA-PEX-HNGS-SP
Formation:	Latrobe Unit 1 Volcanics
Lithology:	Wireline Operations
ROP:	No drilling Wireline Operations
Gas:	No circulation Wireline Operations

Wellsite Geologist(s)

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

Wireline**Logging Suite Details**

Suite No.	1	Anzon Witness:	Mike Woodmansee, Stuart Duff
Wireline Depth MDRT:	4380.0	Wireline Company:	Schlumberger
Wireline Shoe Depth MDRT:	998.5	Wireline Engineer 1:	Kasian S
Maximum Deviation:		Wireline Engineer 2:	Kway Kway Aung

Log Header Data

Run Number:	1	Log Top:	
Tool String:	HRLA/PEX/HNGS/SP	Log Bottom:	
Witness:	Stuart Duff, Mike Woodmansee	Conveyance:	wireline
Hole Size:	12.25		
Date Bit Reached TD:	19 May 2006	Time Bit Reached TD:	12:30
Date Circ Started:	19 May 2006	Time Circ Started:	12:30
Date Circ Stopped:	19 May 2006	Time Circ Stopped:	14:00
Date start of run operation:	-	Time start of run operation:	
Date Tool left Max Depth:	19 May 2006	Time Tool left Max Depth:	14:00
Date end of run operation:		Time end of run operation:	
Run Summary:		Log quality Remarks:	
Max Temperature (°C) :		Thermometer Depth:	
Temperature Buildup Comments:			
Mud Source:	Flowline		
RM Value (ohm m):	0.103	RM Temp (°C):	19



RMF Value (ohm m):	0.095	RMF Temp (°C):	20
RMC Value (ohm m):	0.15	RMC Temp (°C):	20

Detailed Operational Summary

Date	Class	Start Time	End Time	Duration mins	End Depth MDRT	Activity
1						
19 May 2006	Productive Time	23:15	23:59	44		Safety meeting. Rig up Sheaths. Rig up Run 1 tools. Load sources and zero tools. Set zero and apply -1.4m tide correction to MSL.

Lithology Report

Depth Interval		Main Lithology	Lithology %	Qualifier	Description
Depth (mRT)	Depth Range				
3435.0	3440.0	Sst	50		Sandstone, clr-transl, v lt gy, loose to hard, sub-blocky, sub-angular to sub-rounded, well sorted, slightly elongated to spherical, 100% siliceous sand, 5% fine grained, 73% medium grained, 20% coarse grained, 2% very coarse grained, 2% dolomite cement, trace of pyrite cement, trace of pyrite, 15% porosity.
3435.0	3440.0	Sst	20	arg	Sandstone, off wh, lt gy, gy/brn, very soft to friable, sub-blocky to amorphous, sub-angular to rounded, well sorted, slightly elongated to spherical, 30% siliceous clay, 30% siliceous silt, 40% siliceous sand, 90% very fine grained, 10% fine grained, trace of coal/lignite, trace of coal, trace of lithic fragments, 10% porosity.
3435.0	3440.0	Clyst	30	slty	Claystone, med to dk brnsh/gy, very soft to soft, amorphous to sub-blocky, 55% siliceous clay, 30% siliceous silt, 15% siliceous sand, 95% very fine grained, 5% fine grained, 2% coal, trace of pyrite, 2% coal/lignite.
3440.0	3445.0	Sst	30	arg	Sandstone, off wh, off wh, gy/brn, very soft to friable, sub-blocky to amorphous, sub-angular to rounded, well sorted, slightly elongated to spherical, 30% siliceous clay, 30% siliceous silt, 40% siliceous sand, 70% very fine grained, 30% fine grained, trace of coal/lignite, trace of coal, trace of lithic fragments, 10% porosity.
3440.0	3445.0	Clyst	20		Claystone, med dk gy, very soft, amorphous to dispersive, 100% siliceous clay.
3455.0	3460.0	Vol	100	arg	Volcanic, lt bluish gy,grnsh gy, v lt gy, very soft to firm, amorphous to sub-blocky, trace of pyrite, 1% quartz crystals.
3475.0	3480.0	Vol	100		Volcanic, lt bluish gy,grnsh gy, v lt gy, med gy, rare orgn/brn (altered volcanics) to greenish black to blackish green (fresher volcanics), conspicuous white calcite crystals also., very soft to hard, amorphous to sub-blocky, trace of pyrite, 1% quartz crystals.