

Longtom- 3 H



Date:	20-08-2006	Last Casing:	273 mm (10 ¾") at 2374.3 mMDRT
Report Number:	9	Leak Off Test:	1.80 sg EMW at 2484 mMDRT
Report Period:	24hrs to 24:00	Current hole size:	241 mm (9½ ")
Depth @ 2400 Hrs:	4080 m	Mud Weight:	1.44 sg
Last Depth:	3946 m	ECD:	1.60 sg
Progress:	134 m	Mud Type:	SBM Petrofree
TD Lithology:	Sandstone and Siltstone	V: 6 / 3	10 / 8
Water Depth:	56.0 m	Mud Fluid Loss:	3.0 cc
RT Elevation:	21.5 m	Bit Type:	Smith M716PXC

OPERATIONS SUMMARY

24 HOUR SUMMARY**00:00 - 24:00:**

Drilled 9 1/2" hole from 3946m MDRT to 4080m MDRT as per directional plan rev 6. Anadrill Xceed power drive failure. Decision taken to POOH and change assembly. CBU x 2, POOH overpull observed at 3908m MDRT, back ream to 3452m MDRT(85deg inclination). Circulate bottoms up.

06:00 Update

Continue POOH from 1990 m.

NEXT 24 HOURS:

Continue POOH to surface. Download LWD recorded data. Make-up new drilling assembly, RIH, service top drive and blocks at the shoe. Drill ahead 9 ½" hole to TD as per directional plan rev 6.

GEOLOGICAL SUMMARY

LITHOLOGIC DESCRIPTION:

Interval mMDRT	Description
3946 – 4038 ROP:3.8 – 31.1 Av: 12.8 m/hr	<p>Massive SILTY CLAYSTONE grading with depth to Massive SILTSTONE</p> <p>SILTY CLAYSTONE (Nil-100%): medium dark brownish grey, rare olive grey, soft, friable, sub blocky, trace carbonaceous specks, gradational to SILTSTONE.</p> <p>SILTSTONE (Nil-100%): medium to dark brownish grey, rare light brownish grey, sub blocky to blocky, soft and friable, arenaceous to argillaceous, carbonaceous specks, occasionally very arenaceous with trace very fine sand grains.</p>
4038 – 4080 ROP:5.7 – 20.2 Av: 9.8 m/hr	<p>Massive SANDSTONE interbedded with SILTSTONE Top Sand at vertical section 2144.1m, 4038mMDRT, 2521.6 mTVDRT, 2500.1 mSS</p> <p>SANDSTONE (10-90 %): light yellowish grey, occasionally light grey grains, clear to translucent, very fine to fine rare medium, moderately well sorted, sub rounded to sub angular, trace calcareous grains, very soft aggregates with 60-70% argillaceous matrix, white kaolinitic matrix in part, poor to fair inferred porosity.</p> <p>SILTSTONE (10-90 %): medium to dark brownish grey, rare light brownish grey, sub blocky to blocky, soft and friable, arenaceous to argillaceous, carbonaceous specks, occasional trace very fine sand grains.</p>

HYDROCARBON FLUORESCENCE:

INTERVAL (mMDRT)	FLUORESCENCE
	No fluorescence.

GAS SUMMARY:

INTERVAL (mMDKB)	Total GAS (%)	C1 (ppm)	C2 (ppm)	C3 (ppm)	IC4 (ppm)	NC4 (ppm)	IC5 (ppm)	NC5 (ppm)
3946 - 4038	0.3	2717	109	28	23	7	3	1
Peak 4028m	0.8	7958	278	71	33	13	4	2
4038 – 4080	0.3	2873	124	36	29	9	5	1
Peak 4056m	0.7	6227	224	58	31	12	4	1

SURVEYS

Tie in point to Longtom -3 ST1 is 2400.00m

MD	ANGLE	Azi	TVD	MD	ANGLE	Azi	TVD
3773.20	92.61	190.86	2537.7	3973.61	93.24	190.04	2526.2
3801.76	94.21	191.80	2536.0	4001.50	93.76	189.81	2524.5
3830.11	93.47	190.50	2534.1	4029.49	94.27	190.36	2522.6
3856.67	93.44	191.18	2532.5	4059.30	94.50	189.67	2520.3
3915.96	92.78	190.08	2529.3	4080.00	94.00	190.00	2518.5
3944.73	93.01	190.03	2527.8	PROJECTION TO BIT			

FORMATION TOPS

WD = 56.7 m RTE = 21.5 m								
FORMATION	PROGNOSED DEPTHS (m)			ACTUAL DEPTHS (m)				
	MDKB	TVDSS	THICK	MDKB	TVDSS	HI/LO	THICK	DIFF
Top 200 sand	2405.0	2182.0	199.5	2406.0	2182.1	0.1 LO		
Base 200 sand at vertical section 800.4m				2649	2289.3			
Base 200 sand at vertical section 882.4m				2740	2327.9			
Base 200 sand at vertical section 1044.1m				2912	2385.9			
Top 100 sand at vertical section 1376.4m				3268.0	2507.2			
Top 100 sand at vertical section 1864.6m				3758.0	2517.0			
100 sand at vertical section 1939.5m				3833.0	2512.4			

Top 100 sand at vertical section 2028.3m				3922.0	2507.5			
100 sand at vertical section 2144.1m				4038.0	2500.1			
Sand 1 target	2852.36	2381.5						
Sand 2 target	3006.9	2450.0						
Sand 3 target	3431.5	2549.5						
Sand Drain target	3957.1	2539.5						
Sand 4 target	4481.2	2463.5						
TD	5833.0	2489.3						

COMMENTS:

Sensor Distances: Xceed D&I 4.2m, GR 9.8m, APWD 9.96m, Density 11m, Ultrasonic Caliper 11.42m, Resistivity 12.84m, Neutron Porosity 13.09, TeleScope D&I 20.16m

WELLSITE GEOLOGISTS:

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