Boxberger Geological Services
0294 Cliff View Circle
Parachute, CO 81635
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Operator: Ursa Resources
Well: BAT 24A-18-07-95
Location: Sec. 18 T7S R95W
Field: Battlement Mesa
County: Garfield
State: Colorado

Drilling Rig: Capstar 321
Ground Elevation: 5441'
KB Elevation: 5458'
TVD vs. MD: 776'
Spud Date: 06/03/15
TD Date: 06/05/14

Surface Hole: 266' FSL x 824' FEL
Bottom Hole: 1151' FSL x 1949' FWL
Drilling Fluid: LSND
Dates Logged: 06/04/15 - 06/05/14
Depth Logged: 3639' - 7092'
Loggers: T. Boxberger/J. Lawler

Comments

Logging depth = 3639'. BGS service begins on 06/04/15 at 02:41.

Bit #3
7 7/8
Varel
V516DU
In at 1895'

Connection at 3655.3'

Connection at 3698'

Connection at 3740.7'
Pump Sweep
15 Barrels

In: 9.0/44
Out: 9.1/43

Connection at 3783.4'

Connection at 3826'

Prog Williams Fork = 3839' MD

Connection at 3868.8'

Connection at 3911.5'

In: 9.1/41
Out: 9.1/42

Connection at 3954.2'

Connection at 3996.9'
Pump Sweep
15 Barrels

Connection at 4039.8'

Connection at 4082.4'

Zero Mud Gain/Loss

Connection at 4125.2'

In: 9.1/44
Out: 9.1/45

Connection at 4167.8'
Pump Sweep
15 Barrels

Connection at 4210.5'

Connection at 4253.1'

No Rotary Data
4253' - 4294'
Sensor malfunction

Connection at 4295.9'
In: 9.1/42
Out: 9.2/40

Connection at 4338.6'

Connection at 4381.4'

In: 9.1/43
Out: 9.1/43

Connection at 4424.2'

Connection at 4466.9'

Connection at 4509.7'
Pump Sweep
15 Barrels

Connection at 4552.4'

Connection at 4595.2'

Transfer Mud
15 Barrels

Connection at 4637.9'
In: 9.2/42
Out: 9.1/44

Connection at 4680.6'

Connection at 4723.2'

In: 9.2/40
Out: 9.2/39

Zero Mud Gain/Loss
Connection at 4765.9'

Connection at 4808.6'

Connection at 4851.2'

Pump Sweep
15 Barrels
In: 9.2/40
Out: 9.2/42

Connection at 4893.7'

Connection at 4936.5'

In: 9.2/40
Out: 9.2/39

Connection at 4979.2'

Connection at 5021.9'

Prog Top Gas
= 5031' MD

Connection at 5064.7'

Connection at 5107.4'
In: 9.2/40
Out: 9.2/38

Connection at 5150.1'

Zero Mud Gain/Loss

Connection at 5192.8'

In: 9.2/41
Out: 9.2/40

Connection at 5235.4'

Connection at 5278.1'

Pump Sweep
15 Barrels
In: 9.2/43
Out: 9.2/40

Connection at 5320.7'

Connection at 5363.4'

Connection at 5406.1'

In: 9.3/41
Out: 9.3/43

Connection at 5448.8'

Connection at 5491.4'

Pump Sweep
15 Barrels

Connection at 5534.2'

Connection at 5576.9'

Connection at 5619.6'

Connection at 5662.3'

Connection at 5704.9'

In: 9.2/40
Out: 9.2/39

Connection at 5747.6'

Pump Sweep
15 Barrels

Connection at 5790.3'

Connection at 5833'

Connection at 5875.7'

In: 9.3/40
Out: 9.3/42

Connection at 5918.4'

Connection at 5961.2'

Connection at 6003.8'

Pump Sweep
15 Barrels

Connection at 6046.6'

Connection at 6089.3'

Connection at 6132'
In: 9.3/40
Out: 9.3/39

Connection at 6174.7'

Connection at 6217.4'

Connection at 6260.1'

Connection at 6302.9'
In: 9.4/41
Out: 9.3/37

Connection at 6345.6'

Connection at 6388.3'

Prog Cameo = 6416' MD

Connection at 6431'

Pump Sweep
15 Barrels

In: 9.3/41
Out: 9.4/42
Connection at 6473.6'

Connection at 6516.3'

Connection at 6559'

Connection at 6601.7'

Connection at 6644.5'

In: 9.3/39
Out: 9.3/40

Connection at 6687.4'

Connection at 6730.1'

Pump Sweep
10 Barrels

Zero Mud Gain/Loss

Connection at 6772.8'

Connection at 6815.5'

Connection at 6858.2'

In: 9.6/40
Out: 9.5/40
Zero Mud Gain/Loss
Connection at 6900.9'

Prog Rollins = 6937' MD

Connection at 6943.5'

Connection at 6986.1'
In: 9.6/40
Out: 9.5/42

Connection at 7028.7'

Connection at 7071.5'
In: 9.7/41
Out: 9.6/43

Bit #3
FTG: 5197'
HRS: 41.5

BAT 24A-18-07-95 TD'd at 7092' on 06/05/15 at 09:40.