Boxberger Geological Services
0294 Cliff View Circle
Parachute, CO 81635
Phone: 970-285-2494
Fax: 970-285-2492

Operator: Ursa Resources
Well: Monument Ridge B 43B-08-7-95
Location: Sec. 8 T7S R95W
Field: Battlement Mesa
County: Garfield
State: Colorado

Drilling Rig: Capstar 321
Ground Elevation: 5702'
KB Elevation: 5719'
TVD vs. MD: 201'
Spud Date: 11/25/15
TD Date: 12/22/15

Surface Hole: 1015' FSL x 166' FEL
Bottom Hole: 2228' FSL x 658' FEL
Drilling Fluid: LSND
Dates Logged: 12/20/15 - 12/22/15
Depth Logged: 3572' - 7190'
Logger: Tarin Boxberger

Torque (Ft Lbs) 0.0 20000.0
WOB (Klbs) 0.0 60.0
Stand Pipe Pressure (PSI) 0.0 2800.0
Flow (Percent) 0.0 60.0
ROP (Feet/Hour) 0.0 400.0
Total Gas (Units) 1.0 10000.0
Rotary (RPM) 0.0 75.0
Differential Pressure (PSI) 0.0 800.0
PVT Mud Gain/Loss (Barrels) -100.0 100.0
Total Mud (Barrels) 300.0 500.0
3570
7190

Comments

Logging depth = 3572'. BGS service begins on 12/20/15 at 13:27.

Bit #2
7 7/8
Security
MM55
In at 1775'

Connection at 3611.7'

In: 9.2/44
Out: 9.3/49

Connection at 3654.3'
Pump Sweep
10 Barrels

Connection at 3697'

Connection at 3739.8'
In: 9.2/43
Out: 9.3/47

Connection at 3782.5'

Connection at 3825.3'
Pump Sweep
10 Barrels

Connection at 3868'
Prog Williams Fork = 3872' MD

Connection at 3910.6'

Connection at 3953.2'

Connection at 3996'
Pump Sweep
10 Barrels
In: 9.3/43
Out: 9.3/47

Connection at 4038.7'

Zero Mud Gain/Loss
Connection at 4081.5'
In: 9.3/45

Connection at 4123.9'

Connection at 4166.6'

Connection at 4209.3'
In: 9.3/46
Out: 9.3/48

Connection at 4252'

Connection at 4294.7'

Connection at 4337.4'

Connection at 4380.1'

Connection at 4422.7'

In: 9.3/42
Out: 9.4/46
Connection at 4465.4'

Connection at 4508'

Connection at 4550.9'

Connection at 4593.6'

Connection at 4636.3'

Connection at 4679'

Connection at 4721.8'

Conenction at 4764.5'

Connection at 4807.1'

No Gas Data
4817' - 4862'
Pump stroke counter malfunction

In: 9.3/40
Out: 9.3/41
Connection at 4849.8'

Connection at 4892.3'

Connection at 4935'
Pump Sweep
10 Barrels

Connection at 4977.8'

Prog Top Gas = 4988' MD
Zero Mud Gain/Loss
In: 9.3/40
Out: 9.4/45

Connection at 5020.5'

Connection at 5063.2'

Connection at 5105.9'

In: 9.3/48
Out: 9.3/45

Lost Circulation
75 Barrels
Zero Mud Gain/Loss
Connection at 5148.5'
Transfer Mud
Pump Sweep

Zero Mud Gain/Loss

Connection at 5191.2'
In: 9.2/39
Out: 9.1/36

Connection at 5233.9'

Connection at 5276.6'

In: 9.3/45
Out: 9.1/42
Connection at 5319.4'
Pump Sweep
10 Barrels

Connection at 5362.1'

Zero Mud Gain/Loss
Connection at 5404.8'

Transfer Mud

Zero Mud Gain/Loss
Connection at 5447.5'
Zero Mud Gain/Loss

In: 9.4/38
Out: 9.3/42

Connection at 5490.2'

Connection at 5532.9'

Connection at 5575.5'
In: 9.3/39
Out: 9.3/42

Zero Mud Gain/Loss
Connection at 5618.2'
Pump Sweep
10 Barrels

Connection at 5660.9'

Connection at 5703.6'

Connection at 5746.3'
In: 9.4/38
Out: 9.3/40

Connection at 5788.9'
Pump Sweep
10 Barrels

Connection at 5831.7'
Zero Mud Gain/Loss

In: 9.5/40
Out: 9.3/40
Connection at 5874.6'

Zero Mud Gain/Loss

Connection at 5917.3'

Connection at 5960.1'
In: 9.5/38
Out: 9.4/39

Connection at 6002.8'

Connection at 6045.7'
Pump Sweep
10 Barrels

Connection at 6088.4'

In: 9.5/38
Out: 9.5/45

Connection at 6131.1'

Connection at 6173.8'

Connection at 6216.5'
In: 9.6/39
Out: 9.4/43

Connection at 6259.2'

Prog Cameo = 6290' MD

Connection at 6301.9'

Connection at 6344.6'

In: 9.6/39
Out: 9.3/45
Connection at 6387.3'
Pump Sweep
10 Barrels

Connection at 6430.1'

Connection at 6472.6'

In: 9.6/39
Out: 9.5/43

Connection at 6515.4'

Connection at 6558.1'
In: 9.6/38
Out: 9.5/41

Connection at 6601'

In: 9.6/37
Out: 9.4/43
Connection at 6643.6'

Zero Mud Gain/Loss

Connection at 6686.3'

Connection at 6729'
In: 9.6/38
Out: 9.1/42

Connection at 6771.7'

Connection at 6814.4'

Connection at 6857.1'
In: 9.6/38
Out: 9.3/40

Connection at 6899.7'

Transfer Mud

Zero Mud Gain/Loss
Connection at 6942.2'

No Gas Data
6953' - 7017'
Pump stroke counter malfunction

Connection at 6984.9'

Prog Rollins = 6990' MD

In: 9.6/42
Out: 9.2/41

Connection at 7027.6'

Connection at 7070.4'

In: 9.7/38
Out: 9.4/42
Connection at 7113.1'

Connection at 7155.8'

In: 9.7/39
Out: 9.6/42
Bit #2
FTG: 5415'
HRS: 46
Monument Ridge B 43B-08-7-95 TD'd at 7190' on 12/22/15 at 01:22.