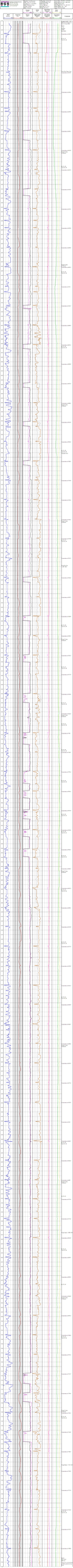

Boxberger Geological Services
0294 Cliff View Circle
Parachute, CO 81635
Phone: 970-285-2494
Fax: 970-285-2492

Operator: Ursa Resources
Well: Yater 21C-17-07-95
Location: Sec. 17 T7S R95W
Field: Battlement Mesa
County: Garfield
State: Colorado

Drilling Rig: Capstar 321
Ground Elevation: 5519'
KB Elevation: 5536'
TVD vs. MD: 842'
Spud Date: 07/25/15
TD Date: 08/19/15

Surface Hole: 1780' FSL x 1129' FWL
Bottom Hole: 863' FNL x 1980' FWL
Drilling Fluid: LSND
Dates Logged: 08/17/15 - 08/19/15
Depth Logged: 4146' - 7540'
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 50.0
ROP (Feet/Hour) 0.0 400.0
Total Gas (Units) 1.0 10000.0
Rotary (RPM) 0.0 60.0
Differential Pressure (PSI) 0.0 600.0
PVT Mud Gain/Loss (Barrels) -100.0 100.0
Total Mud (Barrels) 350.0 450.0
4140
4150
4160
4170
4180
4190
4200
4210
4220
4230
4240
4250
4260
4270
4280
4290
4300
4310
4320
4330
4340

Comments

Logging depth = 4146'. BGS service begins on 08/17/15 at 17:09.

Bit #3
7 7/8
Hughes
T505S
In at 1885'

Connection at 4168.7'

In: 9.2/37
Out: 9.2/40

Connection at 4211.2'

Zero Mud Gain/Loss
Connection at 4253.9'

Connection at 4296.6'

Connection at 4339.3'

Connection at 4382.1'

Connection at 4424.9'
Pump Sweep
10 Barrels

In: 9.1/38
Out: 9.3/39

Connection at 4467.6'

Connection at 4510.3'

Connection at 4553.1'

Connection at 4595.8'

Connection at 4638.6'

Pump Sweep
20 Barrels
Connection at 4681.3'

In: 9.2/38
Out: 9.3/38

Connection at 4724'

Connection at 4766.7'

Connection at 4809.3'

Connection at 4852.1'
In: 9.2/38
Out: 9.2/38

Connection at 4894.9'

Connection at 4937.6'

Connection at 4980.2'
Pump Sweep
10 Barrels

Connection at 5022.9'

Connection at 5065.6'

In: 9.2/39
Out: 9.3/39
Transfer Mud

Connection at 5108.2'

Connection at 5150.8'

Connection at 5193.4'

Connection at 5236.1'
Pump Sweep
20 Barrels

Connection at 5278.8'
In: 9.2/37
Out: 9.3/39

Connection at 5321.5'

Prog Top Gas
= 5337' MD

Connection at 5364.4'

Connection at 5407.1'

Connection at 5449.8'

In: 9.2/38
Out: 9.3/38

Connection at 5492.5'

Pump Sweep
10 Barrels

Connection at 5535.2'

In: 9.2/37
Out: 9.3/40

Connection at 5577.9'

Connection at 5620.6'

In: 9.3/37
Out: 9.3/39

Connection at 5663.3'
Pump Sweep
20 Barrels

In: 9.3/41
Out: 9.3/38

Connection at 5706'

In: 9.3/38
Out: 9.2/40
Connection at 5748.7'

Connection at 5791.4'

In: 9.3/36
Out: 9.3/39

Connection at 5834.1'

Connection at 5876.9'

In: 9.3/39
Out: 9.3/41

Connection at 5919.6'
In: 9.3/39
Out: 9.2/42

Connection at 5962.1'

In: 9.3/41
Out: 9.3/42

Connection at 6004.7'

Pump Sweep
10 Barrels

Connection at 6047.4'
In: 9.3/42
Out: 9.3/46

Connection at 6090.1'

Connection at 6132.8'

In: 9.3/39
Out: 9.3/43

Connection at 6175.5'

Connection at 6218.3'

Connection at 6261.1'

In: 9.3/41
Out: 9.4/46

Connection at 6303.9'

Connection at 6346.7'

Connection at 6389.6'
Pump Sweep
20 Barrels

Connection at 6432.5'

Connection at 6475.4'

Connection at 6518.3'

Connection at 6561'

Connection at 6603.7'
In: 9.3/39
Out: 9.1/50

Connection at 6646.4'

Connection at 6689'
Pump Sweep
10 Barrels

In: 9.4/41

Connection at 6731.6'

Connection at 6774.3'

Prog Cameo = 6804' MD

Connection at 6816.9'

In: 9.4/41
Out: 9.2/46

Connection at 6859.7'

Connection at 6902.3'

In: 9.5/43

Connection at 6944.9'
Pump Sweep
20 Barrels

Connection at 6987.6'

Connection at 7030.4'
In: 9.5/41
Out: 9.2/46

Connection at 7073.1'

Connection at 7115.7'

Connection at 7158.4'

Pump Sweep
10 Barrels
Connection at 7201.1'

In: 9.6/39
Out: 9.4/43

Connection at 7243.8'

Connection at 7286.5'

Prog Rollins = 7315' MD

Connection at 7329.3'

Connection at 7371.9'

Connection at 7414.6'
In: 9.6/38
Out: 9.1/46

Connection at 7457.3'

Connection at 7499.8'

Bit #3
FTG: 5655'
HRS: 54

Yater 21C-17-07-95 TD'd at 7540' on 08/19/15 at 05:51.