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

Operator: Ursa Resources
Well: Yater 12D-17-07-95
Location: Sec. 17 T7S R95W
Field: Battlement Mesa
County: Garfield
State: Colorado

Drilling Rig: Capstar321
Ground Elevation: 5519'
KB Elevation: 5536'
TVD vs. MD: 229'
Spud Date: 03/15/15
TD Date: 03/17/15

Surface Hole: 1742' FSL x 1107' FWL
Bottom Hole: 2371' FNL x 660' FWL
Drilling Fluid: LSND
Dates Logged: 03/16/15 - 03/17/15
Depth Logged: 3640' - 6856'
Logger: Tarin Boxberger

Torque (Ft Lbs) 0.0 20000.0
WOB (Klbs) 0.0 60.0
Stand Pipe Pressure (PSI) 1000.0 3000.0
Flow (Percent) 0.0 80.0
ROP (Feet/Hour) 0.0 400.0
Total Gas (Units) 1.0 10000.0
Rotary (RPM) 0.0 80.0
Differential Pressure (PSI) 0.0 800.0
PVT Mud Gain/Loss (Barrels) -100.0 100.0
Total Mud (Barrels) 300.0 500.0
3640
3650
3660
3670
3680
3690
3700
3710
3720
3730
3740
3750
3760
3770
3780
3790
3800

Comments

Logging depth = 3640'.
BGS service begins on 03/16/15 at 02:03.

Connection at 3653'

Bit #3
7 7/8
Security
MM55
In at 1801'

Connection at 3695.7'

Pump Sweep
20 Barrels
Connection at 3738.4'
In: 9.3/45
Out: 9.3/51

Connection at 3781.1'

Connection at 3823.8'

Connection at 3866.4'

Connection at 3909.2'
In: 9.4/41
Out: 9.4/44

Connection at 3951.9'

Pump Sweep
20 Barrels
Connection at 3994.5'
Zero Mud Gain/Loss

Connection at 4037.3'

In: 9.3/42
Out: 9.4/46

Connection at 4080'

Connection at 4122.7'

Connection at 4165.4'

Connection at 4208.1'

Connection at 4250.8'

Connection at 4293.5'

Pump Sweep
20 Barrels

Connection at 4336.2'

Connection at 4378.9'

Connection at 4421.7'
In: 9.5/42
Out: 9.5/45

Connection at 4464.4'

Connection at 4507.3'

In: 9.5/42
Out: 9.4/44

Connection at 4550.1'

Connection at 4592.8'

In: 9.5/44
Out: 9.5/43
Connection at 4635.5'
Low Gas Data
4630' - 5406'
Gas detector
malfunction

Prog Top Gas
= 4666' MD

Connection at 4678.1'

Connection at 4720.8'
Pump Sweep
20 Barrels

Low Gas Data
4630' - 5406'
Gas detector
malfunction

Connection at 4763.6'

In: 9.5/44
Out: 9.4/46
Connection at 4806.3'

Connection at 4848.9'

Low Gas Data
4630' - 5406'
Gas detector
malfunction

Connection at 4891.6'
In: 9.5/43
Out: 9.4/41

Connection at 4934.3'
Pump Sweep
20 Barrels

Connection at 4977'
Low Gas Data
4630' - 5406'
Gas detector
malfunction

Connection at 5019.8'

Connection at 5062.5'

Low Gas Data
4630' - 5406'
Gas detector
malfunction

Connection at 5105.2'

Connection at 5147.9'
In: 9.5/41
Out: 9.5/44

Connection at 5190.6'

Low Gas Data
4630' - 5406'
Gas detector
malfunction

Connection at 5233.5'

Conenction at 5276.2'
Pump Sweep
20 Barrels

In: 9.6/41
Out: 9.4/43
Low Gas Data
4630' - 5406'
Gas detector
malfunction

Connection at 5318.9'

Connection at 5361.7'

Low Gas Data
4630' - 5406'
Gas detector
malfunction
Connection at 5404.3'

Connection at 5447.1'
In: 9.7/38
Out: 9.5/41

Connection at 5489.8'

Pump Sweep
40 Barrels
Connection at 5532.5'
In: 9.7/39
Out: 9.6/40
Transfer Mud

Connection at 5575.2'

Pason Test Gas

No Gas Data
5591' - 5616'
Pason servicing gas
detector

Connection at 5617.9'
In: 9.7/39
Out: 9.6/40

Connection at 5660.6'

In: 9.7/40
Out: 9.7/42

Connection at 5703.3'

Connection at 5746'

Connection at 5788.7'
Pump Sweep
20 Barrels

Connection at 5831.4'

In: 9.7/41
Out: 9.6/41

Connection at 5874.3'

Connection at 5917'

In: 9.7/39
Out: 9.7/43
Connection at 5959.8'
Zero Mud Gain/Loss
Pump Sweep
20 Barrels

Connection at 6002.3'

Connection at 6045.1'

In: 9.7/39
Out: 9.6/42

Connection at 6087.7'

Prog Cameo = 6113' MD

Connection at 6130.3'

Connection at 6172.9'

Connection at 6215.7'
In: 9.7/42
Out: 9.6/41

Connection at 6258.4'
Pump Sweep
20 Barrels

Connection at 6301.1'

Connection at 6343.7'

In: 9.7/41
Out: 9.6/40

Connection at 6386.4'

Connection at 6429.2'

In: 9.7/39
Out: 9.6/43

Connection at 6471.8'

Connection at 6514.5'
Pump Sweep
20 Barrels

Connection at 6557.3'

Connection at 6600.1'

Prog Rollins = 6624' MD

Connection at 6642.8'

Low Gas Data
6650' - 6735'
Gas detector
malfunction

Connection at 6685.4'

Connection at 6728.3'

Connection at 6771'
In: 9.8/39
Out: 9.7/41

Connection at 6813.7'

Bit #3
FTG: 5055'
HRS: 45

Yater 12D-17-07-95 TD'd at 6856' on 03/17/15 at 10:11.