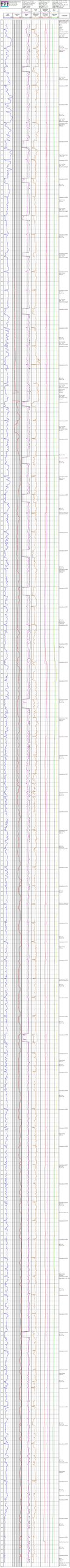

Boxberger Geological Services
0294 Cliff View Circle
Parachute, CO 81635
Phone: 970-285-2494
Fax: 970-285-2492

Operator: Ursa Resources
Well: Tompkins 41C-08-07-95
Location: Sec. 11 T6S R92W
Field: Battlement Mesa
County: Garfield
State: Colorado

Drilling Rig: Capstar 321
Ground Elevation: 5532'
KB Elevation: 5549'
TVD vs. MD: 117'
Spud Date: 06/15/16
TD Date: 06/24/16

Surface Hole: 223' FSL x 571' FEL
Bottom Hole: 770' FNL x 660' FEL
Drilling Fluid: LSND
Dates Logged: 06/23/16 - 06/24/16
Depth Logged: 3409' - 6942'
Logger: Tarin Boxberger

Torque (Ft Lbs) 0.0 16000.0
WOB (Klbs) 0.0 50.0
Stand Pipe Pressure (PSI) 0.0 2800.0
Flow (Percent) 0.0 120.0
ROP (Feet/Hour) 0.0 400.0
Total Gas (Units) 1.0 10000.0
Rotary (RPM) 0.0 60.0
Differential Pressure (PSI) 0.0 750.0
PVT Mud Gain/Loss (Barrels) -100.0 100.0
Total Mud (Barrels) 300.0 500.0

Comments

Logging depth = 3409'. BGS service begins on 06/23/16 at 01:54.

Bit #2
7 7/8
Hughes
T505F
In at 1730'

Connection at 3422.7'
Zero Mud Gain/Loss

Low Gas Data
3409' - 4251'
Sample line plugged

In: 9.1/50
Out: 9.0/48
Connection at 3465.4'
Pump Sweep
20 Barrels

Connection at 3508.1'

Low Gas Data
3409' - 4251'
Sample line plugged

Connection at 3550.7'

Connection at 3593.4'

In: 9.1/47
Out: 9.1/49

Low Gas Data
3409' - 4251'
Sample line plugged
Connection at 3636.1'
Pump Sweep
10 Barrels

Connection at 3678.8'

Prog Williams Fork
= 3709' MD

Connection at 3721.5'

Low Gas Data
3409' - 4251'
Sample line plugged

Connection at 3764.2'

In: 9.1/46
Out: 9.1/45

Connection at 3806.9'

Pump Sweep
10 Barrels

Low Gas Data
3409' - 4251'
Sample line plugged

Connection at 3849.6'

Connection at 3892.4'
In: 9.1/46
Out: 9.2/46

Connection at 3935.1'
Low Gas Data
3409' - 4251'
Sample line plugged

Connection at 3977.8'
Pump Sweep
10 Barrels

Connection at 4020.6'
In: 9.2/47
Out: 9.1/51

Low Gas Data
3409' - 4251'
Sample line plugged

Connection at 4063.3'

Connection at 4106.1'

In: 9.2/48
Out: 9.2/46

Low Gas Data
3409' - 4251'
Sample line plugged
Connection at 4148.8'

Connection at 4191.4'

In: 9.1/48
Out: 9.2/50

Connection at 4234.1'
Low Gas Data
3409' - 4251'
Sample line plugged

Pump Sweep
10 Barrels
Test Gas

No Gas Data
4257' - 4274'
Gas detector being serviced

Connection at 4276.7'

Connection at 4319.2'

Low Gas Data
4328' - 4347'
Gas detector being serviced

Connection at 4361.9'

Transfer Mud

Connection at 4404.5'

In: 9.1/50
Out: 9.2/50

Connection at 4447.2'
Pump Sweep
10 Barrels

Connection at 4489.9'

In: 9.1/51
Out: 9.1/47

Zero Mud Gain/Loss
Connection at 4532.6'

Connection at 4575.2'

Connection at 4617.9'

In: 9.1/49
Out: 9.1/47
Connection at 4660.6'
Pump Sweep
10 Barrels

Connection at 4703.3'

Connection at 4746'

In: 9.1/54
Out: 9.0/53
Prog Top Gas
= 4786' MD
Connection at 4788.7'

Connection at 4831.3'

In: 9.1/48
Out: 9.1/50

Connection at 4873.9'

Connection at 4916.5'

Connection at 4959.3'
In: 9.1/40
Out: 9.2/39

Connection at 5001.8'
Pump Sweep
10 Barrels

Connection at 5044.6'

Connection at 5087.3'
In: 9.0/45
Out: 9.1/41

Connection at 5130'

Connection at 5172.6'
In: 9.0/45
Out: 9.1/47

Connection at 5216.4'

Connection at 5259'
Pump Sweep
10 Barrels

In: 8.9/45
Out: 9.0/45
Connection at 5301.7'

Connection at 5344.4'

Connection at 5387.2'

In: 9.0/45
Out: 8.9

Zero Mud Gain/Loss
Connection at 5429.8'

Connection at 5472.4'

In: 9.1/47
Out: 9.0/51

Connection at 5515.2'

Pump Sweep
10 Barrels

Connection at 5557.9'

Connection at 5600.6'
Zero Mud Gain/Loss

In: 9.2/42
Out: 9.0/48

Connection at 5643.4'

Connection at 5686.1'

In: 9.2/45
Out: 9.1/48

Connection at 5728.8'

Connection at 5771.4'

Pump Sweep
10 Barrels

In: 9.3/47
Out: 9.2/47

Connection at 5814.2'

Connection at 5856.9'

In: 9.2/44
Out: 9.3/48

Connection at 5899.5'

Connection at 5942.3'

Pump Sweep
10 Barrels

Connection at 5984.9'

Connection at 6027.7'
In: 9.4/44
Out: 9.3/45

Connection at 6070.6'

Connection at 6113.1'
In: 9.4/43
Out: 9.4/44

Zero Mud Gain/Loss

Connection at 6155.8'

Connection at 6198.4'

In: 9.5/44
Out: 9.5/43

Connection at 6241.2'

Pump Sweep
10 Barrels
Connection at 6283.9'
Prog Cameo = 6287' MD

In: 9.5/43
Out: 9.5/45

Connection at 6326.4'

Connection at 6369.1'

Connection at 6411.8'
In: 9.5/44
Out: 9.5/43

Connection at 6454.5'

Connection at 6497.2'

Pump Sweep
10 Barrels

In: 9.6/45
Out: 9.5/43

Connection at 6539.9'

Connection at 6582.5'

In: 9.6/43
Out: 9.6/44
Connection at 6625.2'

Connection at 6667.8'

In: 9.5/44
Out: 9.5/43
Connection at 6710.4'

Pump Sweep
10 Barrels

Connection at 6753.1'

In: 9.5/44
Out: 9.5/44

Prog Rollins = 6785' MD

Connection at 6795.8'

Connection at 6838.5'

In: 9.6/45
Out: 9.5/47

Connection at 6881.2'

Zero Mud Gain/Loss

In: 9.7/44
Out: 9.6/45

Connection at 6923.9'

Bit #2
FTG: 5212'
HRS: 52.5

Tompkins 41C-08-07-95 TD'd at 6942' on 06/24/16 at 20:11.