Boxberger Geological Services
0294 Cliff View Circle
Parachute, CO 81635
Phone: 970-285-2494
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Operator: Ursa Resources
Well: Tompkins 42A-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: 324'
Spud Date: 08/10/16
TD Date: 08/24/16

Surface Hole: 200' FSL × 560' FEL
Bottom Hole: 1430' FNL × 660' FEL
Drilling Fluid: LSND
Dates Logged: 08/22/16 - 08/24/16
Depth Logged: 3565' - 7150'
Logger: Tarin Boxberger

Torque (Ft Lbs) 0.0 18000.0
WOB (Klbs) 0.0 50.0
Stand Pipe Pressure (PSI) 0.0 2800.0
Flow (Percent) 0.0 100.0
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 = 3565'. BGS service begins on 08/22/16 at 17:50

Bit #2
7 7/8
Security
MM55
In at 1785'

Connection at 3592.9'

In: 9.2/39
Out: 9.4/44

Connection at 3635.7'

Connection at 3678.5'

Connection at 3721.2'

Connection at 3763.9'

Connection at 3806.5'

In: 9.3/41
Out: 9.2/42

Connection at 3849.2'

Prog Williams Fork = 3865' MD
Pump Sweep
10 Barrels

Connection at 3891.9'

Transfer Mud
Connection at 3934.6'

Connection at 3977.3'
In: 9.1/41
Out: 9.0/42

Connection at 4020'

Connection at 4062.6'

Pump Sweep
10 Barrels

Connection at 4105.4'

In: 9.2/41
Out: 9.2/42

Connection at 4148.3'

Connection at 4191'

In: 9.2/42
Out: 9.2/43

Connection at 4233.7'
Pump Sweep
10 Barrels

Connection at 4276.5'
In: 9.2/39
Out: 9.1/42

Connection at 4319.3'

Connection at 4362'

Transfer Mud
Connection at 4404.6'
In: 9.2/39
Out: 9.2/40

Connection at 4447.3'

Pump Sweep
10 Barrels

Connection at 4490'

Connection at 4532.7'

Connection at 4575.4'
In: 9.3/39
Out: 9.2/39

Connection at 4618.2'

Pump Sweep
10 Barrels

In: 9.2/38
Out: 9.2/39
Connection at 4660.9'

Connection at 4703.6'

Connection at 4746.2'
In: 9.3/38
Out: 9.3/39

Connection at 4788.9'

Connection at 4831.6'

In: 9.3/38
Out: 9.3/39

Connection at 4874.3'

Connection at 4916.9'

Prog Top Gas = 4953' MD
Connection at 4959.6'

Connection at 5002.3'

In: 9.3/42
Out: 9.3/43
Connection at 5045'

Connection at 5087.5'

Connection at 5130.2'

Connection at 5172.8'
Pump Sweep
10 Barrels

In: 9.3/42
Out: 9.2/42

Connection at 5215.4'

Connection at 5257.9'

Transfer Mud
15 Barrels

Connection at 5300.6'
In: 9.4/40
Out: 9.2/44

Connection at 5343.3'

Connection at 5385.9'

Connection at 5428.6'
Pump Sweep
10 Barrels

In: 9.4/42
Out: 9.2/45
Connection at 5471.2'

Connection at 5513.9'

Connection at 5556.4'

Connection at 5599.1'

Connection at 5641.8'
In: 9.5/43
Out: 9.4/42

Connection at 5684.4'

Connection at 5727.1'

Connection at 5769.7'

In: 9.5/41
Out: 9.4/44

Connection at 5812.4'

In: 9.6/40
Out: 9.5/42

Connection at 5855.1'
Pump Sweep
10 Barrels

Connection at 5897.5'
In: 9.5/39
Out: 9.3/39

Transfer Mud

Connection at 5940.1'

Connection at 5982.8'
In: 9.5/40
Out: 9.3/44

Connection at 6025.6'

Pump Sweep
10 Barrels

Connection at 6068.2'

Connection at 6110.9'
In: 9.5/40
Out: 9.3/44

Connection at 6153.6'

Connection at 6196.2'
In: 9.6/40
Out: 9.4/40

Connection at 6238.8'

Connection at 6281.6'

Connection at 6324.3'

In: 9.5/45
Out: 9.3/46

Connection at 6366.9'
Pump Sweep
10 Barrels

Connection at 6409.7'

In: 9.6/43
Out: 9.3/44

Connection at 6452.3'

Prog Cameo = 6470' MD

Connection at 6494.9'

Pump Sweep
10 Barrels

Connection at 6537.6'

Connection at 6580.3'

In: 9.4/40
Out: 9.3/46

Connection at 6623'

Connection at 6665.7'

Connection at 6708.4'
In: 9.8/46

Connection at 6751.1'

Connection at 6793.8'

Connection at 6836.6'

Connection at 6879.2'

Connection at 6921.9'

In: 9.9/42
Out: 9.7/45

Connection at 6964.6'

Prog Rollins = 6970' MD

Connection at 7007.3'

Connection at 7050'

Connection at 7092.8'

In: 9.9/41
Out: 9.8/44

Bit #2
FTG: 5365'
HRS: 49.5

Connection at 7135.4'

Tompkins 42A-08-07-95 TD'd at 7150' on 08/24/16 at 10:12.