Boxberger-Geological Services
5594 CR 154 Glenwood Springs
Parachute, CO 81635
Phone: 970-285-2494
Fax: 970-285-2492

Operator: TEP Rocky Mountain LLC
Well: TR 33-6 21-397
Location: Sec. 21 T7S R97W
Field: Trail Ridge
County: Garfield
State: Colorado

Drilling Rig: H&P 271
Ground Elevation: 8292
KB Elevation: 8314
TVD vs. MD: 399
Spud Date: 02/08/17
TD Date: 06/07/17

Surface Hole: 691 FSL x 1872 FWL
Bottom Hole: 657 FSL x 1900 FEL
Drilling Fluid: LSND; Air; Mist
Date Logged: 04/07/17
Depth Logged: 8300 - 9710
Logger: Tana Boxberger

| Torque | WOB | Stand-Pipe Pressure | Flow |
|---|---|---|---|
| kft-lbs | klbs | psig | percent |
| 12 30.2 | 0 30.0 | 12 3083.0 | 0 120 |

| ROP | Rotary | Differential Pressure | PVT Mud Gain/Loss | Total Mud |
|---|---|---|---|---|
| minutes/foot | RPM | psig | barrels | metric |
| 15 0 | 0 60.0 | 0 300.0 | 10.0 0 10.0 | 30.0 1020.0 |

Comments

Logging depth = 8300'.
BGS service began on 04/07/17 at 07:52.

Prog Cameo Coals = 8300' MD

Rig # 2
T 3/8
Security
Type
Set at 2854'

Air/Sweep
Connection at 8606.2'
Air: 5.7 / 40
Dark: 8.2 / 36

Connection at 8700.8'

Connection at 8795.3'
Air: 8.8 / 40
Dark: 8.8 / 38

Trancdist 36cnd

Connection at 8889.9'

Prog Rollins SS = 8920' MD

Pump Sweep
Connection at 8984.3'
Trancdist 36cnd
Air: 8.8 / 40
Dark: 8.8 / 40

Trancdist 36cnd

Air: 8.8 / 30
Dark: 8.8 / 40

Connection at 9079'
Air/Sweep

Prog Cozzette = 9114' MD

Connection at 9173.3'
Pump Sweep

Connection at 9268.2'
Air/Sweep

Air: 8.9 / 46
Dark: 8.9 / 45

Prog Corcoran = 9310' MD

Connection at 9362.7'

Air/Sweep
Connection at 9457.2'
Pump Sweep

Prog Sego = 9515' MD

Trancdist 36cnd

Air/Sweep
Connection at 9552.7'
Pump Sweep

Air: 9.0 / 37
Dark: 8.9 / 45

Air/Sweep
Connection at 9646.3'
Pump Sweep

Air: 9.0 / 35
Dark: 9.0 / 50

Connection at 9740.2'

Rig # 2
PTG 6899
BHA No.3

TR 33-6 21-397 TD'd at 9753' on
06/07/17 at 17:45.