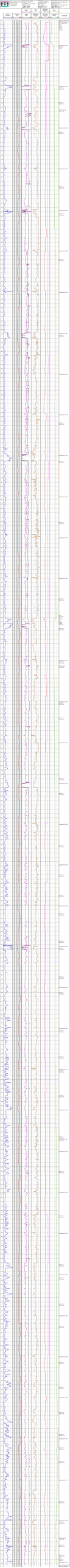

Boxberger Geological Services
0294 Cliff View Circle
Parachute, CO 81635
Phone: 970-285-2494
Fax: 970-285-2492

Operator: WPX Energy
Well: PA 522-11
Location: Sec. 11 T7S R95W
Field: Parachute
County: Garfield
State: Colorado

Drilling Rig: Cyclone 17
Ground Elevation: 6274'
KB Elevation: 6296'
TVD vs. MD: 1'
Spud Date: 05/23/13
TD Date: 05/29/13

Surface Hole: 2413' FNL x 2067' FWL
Bottom Hole: 2356' FNL x 2105' FWL
Drilling Fluid: LSND
Dates Logged: 05/25/13 - 05/29/13
Depth Logged: 4175' - 7714'
Logger: Tarin Boxberger

Torque (KFt Lbs) 0.0 15.0
WOB (Klbs) 0.0 30.0
Stand Pipe Pressure (PSI) 0.0 3600.0
Flow (Percent) 0.0 100.0
ROP (Minutes/Foot) 0.0 4.0
Total Gas (Units) 1.0 10000.0
Rotary (RPM) 0.0 60.0
Differential Pressure (PSI) 0.0 400.0
PVT Mud Gain/Loss (Barrels) -100.0 100.0
Total Mud (Barrels) 300.0 700.0

Comments

Logging depth = 4175'. BGS service begins on 05/25/13 at 23:28.

Bit #3
8 3/4
Ulterra
U519M
In at 942'

Connection at 4227.6'
In: 9.4/50
Out: 52

Connection at 4321.7'
In: 9.4/54
Out: 9.5/60

In: 9.4/52
Out: 9.6/57

Prog Mesaverde = 4375' MD

Connection at 4416.6'

In: 9.4/55
Out: 9.7/57

Connection at 4510.6'

In: 9.3/51
Out: 9.5/50

Connection at 4605.4'
In: 9.3/53
Out: 9.5/51

Connection at 4698.4'

In: 9.3/54
Out: 9.4/55

Connection at 4793.2'

Connection at 4887'
In: 9.4/58
Out: 9.4/56

Connection at 4981.2'

Connection at 5074.4'

In: 9.5/57
Out: 9.5/59

Connection at 5167.7'

In: 9.4/57
Out: 9.4/59

Connection at 5262'

In: 9.4/60
Out: 9.4/56

Connection at 5356.2'

Connection at 5449.5'

In: 9.5/57
Out: 9.5/58

Bit #3
FTG: 4602'
HRS: 38

Bit #4
8 3/4
Ulterra
U516M
In at 5544'

In: 9.5/60
Out: 9.2/54

Connection at 5637.7'
In: 9.6/58
Out: 9.4/58

Prog Top Gas = 5650' MD

Connection at 5732.3'
In: 9.6/60
Out: 9.6/62

In: 9.6/62
Out: 9.6/62

Connection at 5826.6'

In: 9.7/60
Out: 9.6/59

Connection at 5919.9'

In: 9.8/55
Out: 9.6/56

Connection at 6013.8'

In: 9.8/60
Out: 9.7/58

Connection at 6106.6'

In: 9.8/64
Out: 9.7/62

In: 9.9/65
Out: 9.8/67

Connection at 6200.4'

In: 9.9/63
Out: 9.9/64

In: 9.9/63
Out: 9.9/65

Connection at 6293.8'
In: 9.8/62
Out: 9.9/60

In: 9.8/64
Out: 9.8/62

Connection at 6387.5'

In: 9.8/62
Out: 9.8/65

Connection at 6481.6'
In: 9.8/63
Out: 9.8/65

In: 9.9/66
Out: 9.8/65

Connection at 6575.8'
In: 9.9/65
Out: 9.8/63

In: 9.9/69
Out: 9.8/67

Connection at 6668.6'

In: 9.8/75
Out: 9.4/70
Prog Cameo Coals = 6734' MD

Connection at 6763.1'

In: 9.8/70
Out: 9.7/68

Connection at 6857.4'

In: 9.8/68
Out: 9.8/67

Connection at 6951.7'

In: 9.9/65
Out: 9.9/63

Connection at 7046.2'
In: 9.9/62
Out: 9.8/60

In: 9.9/60
Out: 9.9/60

Connection at 7140.5'

In: 10.0/62
Out: 9.9/60

Connection at 7234.8'

In: 9.9/65
Out: 9.8/63

In: 9.9/64
Out: 9.9/67

Connection at 7328.6'

In: 10.0/65
Out: 9.9/68

In: 10.1/67
Out: 10.0/71

Connection at 7422.5'

In: 10.1/70
Out: 10.0/67

In: 10.1/66
Out: 10.0/71

Connection at 7517'

In: 10.2/65
Out: 10.1/67

Connection at 7610.4'
In: 10.2/68
Out: 10.1/65

Prog Rollins SS = 7650' MD

In: 10.2/67
Out: 10.2/68

In: 10.3/70
Out: 10.2/68

Bit #4
FTG: 2170'
HRS: 44.5

Connection at 7705.5'

PA 522-11 TD'd at 7714' on 05/29/13 at 03:59.