

PHOENIX SURVEYS, INC.

COMPENSATED DENSITY  
DUAL INDUCTION  
NEUTRON

COMPANY  
Bonanza Creek Energy Inc.

WELL  
Antelope 13-31

FIELD  
Wattenberg

COUNTY  
Weld

STATE/PROVINCE  
Colorado

LOCALITY  
SH- 1514 FNL & 1155 FNL SWNW  
BHL- 1933 FSL & 604 FNL NMSW  
SEC - 31, TWP - 5N, R9E - 62W

OTHER SERVICES  
None

COMPANY  
Well  
Field  
County  
State/Prv

LOCALITY  
SH- 1514 FNL & 1155 FNL SWNW  
BHL- 1933 FSL & 604 FNL NMSW  
SEC - 31, TWP - 5N, R9E - 62W

OTHER SERVICES  
None

Log Measured From  
K/B

Elevation  
4590

Log Measured From  
K/B

Elevation  
4590

Run Number  
6980

Run Date  
June 7, 2011

Run Number  
6980

Run Date  
June 7, 2011

Bottom Logged Interval  
6980

Bottom Logged Interval  
6980

Top Log Interval  
Casing

Top Log Interval  
Casing

Casing Offset  
431

Casing Offset  
431

Casing Logger  
2370

Casing Logger  
2370

Type Fluid in Hole  
Foamers GEL

Type Fluid in Hole  
Foamers GEL

Density / Viscosity  
9.4 / 56

Density / Viscosity  
9.4 / 56

phi of Fluid Loss  
2.36 @ 100 F

phi of Fluid Loss  
2.36 @ 100 F

Rm @ Mass Temp  
3.50 @ 100 F

Rm @ Mass Temp  
3.50 @ 100 F

Source of Rm / Rmc  
Measure / Calc

Source of Rm / Rmc  
Measure / Calc

Rm @ BHT  
116 @ 188 F

Rm @ BHT  
116 @ 188 F

Time Circulation Stopped  
0930

Time Circulation Stopped  
0930

Time Logger on Bottom  
1540

Time Logger on Bottom  
1540

Temperature  
138 F

Temperature  
138 F

Equipment Number  
48

Equipment Number  
48

Location  
Brighton, CO

Location  
Brighton, CO

Recorded By  
Shawn Schuman

Recorded By  
Shawn Schuman

Witnessed By  
Gene Hudson

Witnessed By  
Gene Hudson

Charted by  
Brian Cunningham

Charted by  
Brian Cunningham

John Adams

John Adams

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Annular volume calculated for 4.5" casing  
Mid Continent Energy Rig 1  
Thank you for using Phoenix Surveys!!  
API #: 05-123-32878

