

PSI

PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION

COMPENSATED DENSITY

COMPENSATED NEUTRON

Company

Bonanza Creek Energy Inc.

Well

Antelope 23-19

Field

Wattenberg

County

Weld

State/Province

Colorado

Company

1979' FSL & 1939' FWL

Location

NE SW

Well

Sec - 19, Twp - 5N, Rge - 62W

Other Services

None

Permanent Datum

GL

Elevation

4616

Log Measured From

KB

Drilling Measured From

KB

KB 4625  
LT 4625  
GL 4616

Date

March 31, 2011

Run Number

1

Depth Chlir

6730

Depth Logger

6725

Bottom Logged Interval

6725

Top Log Interval

Casing

Casing Driller

431

Casing Logger

431

Bit Size

7-7/8"

Type Fluid in Hole

Chem Gel

Density / Viscosity

9.1 / 55

pH / Fluid Loss

9.0 / 10.4

Source of Sample

Flowline

Rm @ Meas. Temp

2.72 @ 73 F

Rmt @ Meas. Temp

2.04 @ 73 F

Rmc @ Meas. Temp

3.40 @ 73 F

Source of Rmt / Rmc

Measure / Calc

Rm @ BHT

1.03 @ 199 F

Time Circulation Stopped

0915

Time Logger on Bottom

1615

Maximum Recorded Temperature

199 F

Equipment Number

50

Location

Brighton, CO

Recorded By

Madel Sharon

Witnessed By

Brian Cunningham

Robin Bradman

Gene Hudson

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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  
Midcontinent Rig 1  
Thank you for using Phoenix Surveys!!  
API #: 05-123-32707-00

