PSI

HIGH RESOLUTION INDUCTION COMPENSATED NEUTRON

Company: Bonanza Creek Energy, Inc.
Field:
Well: Wattenberg 4-117
County: Weld
State/Province: Colorado
Sec: 17 Twp: 5N Rge: 63W
Elevation: 4733 ft
Permanent Datum: Ground Level
Log Measured From: KB 25 ft above Perm. Datum
Drilling Measured From: KB
Date: 10-Aug-21
Run Number: ONE
Depth Driller: 6742 ft
Depth Logger: 6742 ft
Bottom Logged Interval: 6742 ft
Top Logged Interval: 3000 ft
Casing Driller: 9.625 in @ 1,000 ft
Casing Logger: 1,000 ft
Bit Size: 8.75 in
Type Fluid in Hole: Water Based Mud
Density: 9.2 lb/gal
Viscosity: 40 s/qt
PH: 9.5
Fluid Loss: 6.4 cc
Source of Sample: Flowline
Rm @ Measured Temp: 0.1 @ 70 °F
Rmf @ Measured Temp: 0.08 @ 70 °F
Rmc @ Measured Temp: 0.12 @ 70 °F
Source of Rmf and Rmc: Calculated
Rm @ BHT: 0.05 @ 150 °F
Time Since Circulation: 4 hrs
Time on Bottom: 10:00 10-Aug-21
Max Recorded Temperature: 150 °F
Equipment Number: 1
Location: Greeley
Recorded By: Jeff Hall
Witnessed By: Mike Ruth

Run | Bit Size | Casing Driller | Casing Logger | Depth Driller | Depth Logger | Bottom Logged Interval | Top Logged Interval | Type Fluid in Hole | Density | Viscosity | PH | Fluid Loss | Source of Sample | Rm @ Measured Temp | Rmf @ Measured Temp | Rmc @ Measured Temp | Source of Rmf and Rmc | Rm @ BHT | Time Since Circulation | Max Recorded Temperature | Equipment Number | Location | Recorded By | Witnessed By
ONE | 8.75 in | 9.625 in @ 1,000 ft | 1,000 ft | 6742 ft | 6742 ft | 6742 ft | 3000 ft | Water Based Mud | 9.2 lb/gal | 40 s/qt | 9.5 | 6.4 cc | Flowline | 0.1 @ 70 °F | 0.08 @ 70 °F | 0.12 @ 70 °F | Calculated | 0.05 @ 150 °F | 4 hrs | 150 °F | 1 | Greeley | Jeff Hall | Mike Ruth

Logging Services: Triple Combo

All interpretations are opinions based on inferences from electrical or other measurements and are served 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 4-1/2" casing
Mid Continent Rig 1
Thank you for using Phoenix Surveys!
API # 05-123-53176

Database File: d:\110547\1634.db
Dataset Pathname: main
Dataset Creation: Wed Aug 18 18:08:33 2021
Charted by: Depth in Feet scaled 1:240

Header: Density Caliper (in) 16 | Gamma Ray (GAPI) 130 | SP (mV) 170 | ABAV (lb)

Header: Deep Resistivity (Ohm-m) 200 20 | Medium Resistivity (Ohm-m)200 20 | Shallow Resistivity (Ohm-m)200 | Rt (Ohm-m) 200

Header: Density Porosity (pu) 30 | Neutron Porosity (pu) 30

2.68 SS Matrix

2.68 SS Matrix

2.71 LS Matrix

2.71 LS Matrix

H2O Matrix Change

2.68 SS Matrix

Gamma Ray (GAPI)

Caliper (in)

Deep Resistivity

Medium Resistivity

Shallow Resistivity

Density Porosity

Neutron Porosity

SP (mV) TD 6742

Caliper (in) 16 | Gamma Ray (GAPI) 200 | SP (mV) 200 | ABAV (lb)

Deep Resistivity (Ohm-m) 200 20 | Medium Resistivity (Ohm-m)200 20 | Shallow Resistivity (Ohm-m)200 | Rt (Ohm-m) 200

Density Porosity (pu) 30 | Neutron Porosity (pu) 30