PIONEER
Pioneer Energy Services

# HIGH RESOLUTION INDUCTION COMPENSATED DENSITY COMPENSATED NEUTRON MEASURED DEPTH

| | |
|---|---|
| Company | Great Western Oil & Gas LLC |
| Well | Land JG 31-36D |
| Field | Wattenberg |
| County | Weld |
| State | Colorado |

Company: Great Western Oil & Gas LLC
Well: Land JG 31-36D
Field: Wattenberg
County: Weld
State: Colorado
Location: API # : 05123398660000 SHL: 256 FSL & 1092 FWL SHSW EBHL: 74 FSL & 432' FWL SESW SEC: 31 TWP: 2N RGE: 64W
Other Services: None

| | | | |
|---|---|---|---|
| Permanent Datum | Elevation | | |
| Log Measured From | KB | 4833 | |
| Drilling Measured From | KB | G.L. | 4808 |
| | | K.B. | 4833 |

Run Number: 1
Depth Logged: 7595.00
Depth Logger: 7595.00
Bottom Logged Interval: 7595.00
Top Log Interval: 6900.00
Casing Logger: 7.0" @ 7595'
Bit Size: 6.125"
Type Fluid in Hole: Cut Brine
Density / Viscosity: 8.4 / 34
PH / Fluid Loss: 8.5 / 12
Source of Sample: Pits
Rm @ Meas. Temp: 2.32 @ 61°F
Rmf @ Meas. Temp: 1.74 @ 61°F
Rmc @ Meas. Temp: 4.65 @ 61°F
Source: Rmf / Rmc: Rmf / Rmc
Rm @ BHT: 1.61 @ 112°F
Time Circulation Stopped: 3:00
Time Logger on Bottom: 7:30
Maximum Recorded Temperature: 212°F
Equipment / Location: Brighton, CO
Recorded By: Jeff Hatcher
Witnessed By: Mark Szaramitko

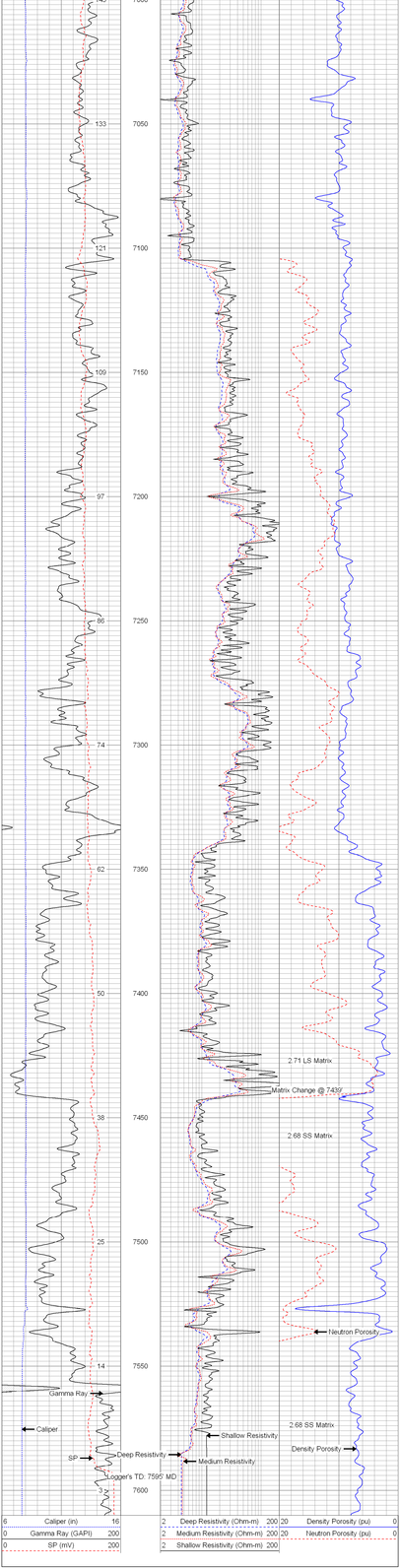
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

Annular volume calculated for 4.5" casing
Cade Drilling Rig 25
Thank you for using Pioneer Energy Services!!

Database File: 13288.db
Dataset Pathname: RTBOT
Presentation Format: pdc
Dataset Creation: Sun Mar 03 22:32:22 2013
Charted by: Depth in Feet scaled 1:240

| | | | |
|---|---|---|---|
| 6 | Caliper (in) | 16 | |
| 0 | Gamma Ray (GAPI) | 200 | |
| 0 | SP (mV) | 200 | |
| 2 | Deep Resistivity (Ohm-m) | 200 | 20 Density Porosity (pu) 0 |
| 2 | Medium Resistivity (Ohm-m) | 200 | 20 Neutron Porosity (pu) 0 |
| 2 | Shallow Resistivity (Ohm-m) | 200 | |

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