PSI

COMPENSATED NEUTRON DUAL INDUCTION

Company	
Well	
Field	
County	Weld
State	Colorado
Location	Section 24 T5N R67W
Permanent Datum	Ground Level
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing
Elevation	4,772 ft
Elevation	4,784 ft
Elevation	4,772 ft
Date	15-Jul-07
Run Number	ONE
Depth Driller	7,175 ft
Depth Logger	7,175 ft
Bottom Logged Interval	7,175 ft
Top Logged Interval	6,500 ft
Casing Driller Size @ Depth	8.625 in @ 1,000 ft
Casing Logger Size @ Depth	8.625 in @ 1,000 ft
Bit Size	7.875 in
Type Fluid in Hole	Water Based Mud
Density	9.0 lb/gal
Viscosity	40 s
Fluid Loss	8.0 cc
Source of Sample	Flowline
Rm @ Measured Temp	0.1 @ 70 °F
Rmf @ Measured Temp	0.1 @ 70 °F
Rmc @ Measured Temp	0.1 @ 70 °F
Source of Rmf / Rmc	Measured / Measured
Rm @ BHT	0.1 @ 70 °F
Time Since Circulation	4.0 hr
Max Recorded Temperature	70 °F
Equipment Number	5
Location	Greeley
Recorded By	Mike Hall
Witnessed By	Mr. Rig Hand

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 interpretations, and we shall not, except to the extent of gross or wilful 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 as set out in our current Price Schedule.

Comments:

Annular volume calculated for 4-1/2" casing
Energy Drilling Rig 120
Thank you for using Phoenix Surveys!
API # 05-123-23556-00

Tool malfunction 5760-5840

Database File 7175 ds
Dataset Pathname final
Presentation Format dnsvert
Dataset Creation Sun Mar 25 11:05:47 2007
Charted by Depth in Feet scaled 1:240

0	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m) .20	2000 Density Porosity (pu)
0	Gamma Ray (GAPI)	300	0	Medium Resistivity (Ohm-m) .20	2000 Neutron Porosity (pu)
0	SP (mV)	100	0	Shallow Resistivity (Ohm-m) .20	2000

Database File 7175 ds
Dataset Pathname final
Presentation Format dnsvert
Dataset Creation Sun Mar 25 11:05:47 2007
Charted by Depth in Feet scaled 1:240

6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m) .20	2000 Density Porosity (pu)
0	Gamma Ray (GAPI)	300	0	Medium Resistivity (Ohm-m) .20	2000 Neutron Porosity (pu)
0	SP (mV)	100	0	Shallow Resistivity (Ohm-m) .20	2000

7.58 Ω/ft Matrix

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2.71 Ω/ft Matrix

Matrix Change

2.58 Ω/ft Matrix

Matrix Change

2.66 Ω/ft Matrix

Matrix Change

2.66 Ω/ft Matrix

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Logged 15-JUL-07

Neutron Porosity

Density Porosity

2.66 Ω/ft Matrix

Deep Resistivity

Medium Resistivity

Shallow Resistivity

Caliper (in) 6 16
Gamma Ray (GAPI) 0 300
SP (mV) 100 0

Deep Resistivity (Ohm-m) .20 2000
Medium Resistivity (Ohm-m) .20 2000
Shallow Resistivity (Ohm-m) .20 2000

Density Porosity (pu) 2000
Neutron Porosity (pu) 0