

PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company

Well

Field

County

Location

Permit/Measure/From

Log Measure/From

Drilling Measure/From

Date

Run Number

Depth Order

Bottom Log Interval

Top Log Interval

Casing Driller

Casing Logger

Bit Size

Type Well in Hole

Log Interval

Source of Sample

Run @ Meas Temp

Run @ Meas Temp

Source of Rmt/Temp

Run @ Rmt Temp

Run @ Rmt Temp

Maximum Recorded Temperature

Time Logged on Bottom

Equipment Number

Location

Recorded By

Witnessed By

Merit Energy Company

Wiedeman 29-29

Wattenberg

Weld

State/Province

Colorado

BH: 2089 FSL & 603' FWL

BH: 2583 FSL & 1251' FWL

SW NW Sec. 29, Twp. 4N, Rge. 65W

KL

KL

KL

March 9, 2007

7185

7181

7181

461

461

7-7/8"

Chemical

8.01 F

3.45 @ 87° F

2.76 @ 87° F

4.14 @ 87° F

1.14 @ 218° F

1100

4100

Brighton, CO

Peter Drivall

DK Johnson

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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 4-1/2" casing
Patterson UTI Rig 103
Thank you for using Phoenix Surveys!!
API #: 05-123-24724-00

Database File: 6931.db
Dataset Pathname: final
Presentation Format: pdc1
Dataset Creation: Fri Mar 09 11:15:13 2007
Charted by: Depth in Feet scaled 1:240

Density Caliper (in) 16
Gamma Ray (GAPI) 130
SP (mV) 130

2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200

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

2650 3750 3800 3850 3900

2.68 SS Matrix

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4200 4300 4350 4400 4450 4500 4550 4600

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

4600 4850 4900 4950 5000

2.68 SS Matrix

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

6900 7000 7100 7200 7300 7400

2.71 LS Matrix

Matrix Change

2.68 SS Matrix

Neutron Porosity

Density Porosity

Shallow Resistivity

Medium Resistivity

Logger's TD: 7491'

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SP (mV) 200

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

7400 7500 7600 7700 7800 7900 8000 8100 8200 8300 8400 8500 8600 8700 8800 8900 9000 9100 9200 9300 9400 9500 9600 9700 9800 9900

GR

Caliper

SP