

PHOENIX SURVEYS, INC.

COMPENSATED DENSITY
COMPENSATED NEUTRON
DUAL INDUCTION

Company

Petroleum Development Corporation

Well

Guttersen 34-18

Field

Wattenberg

County

Weld

State/Province

Colorado

Location

634 FSL & 2022 FEL

Permanent Claim

Sec 18, TWP 3N, R9E 63W

Well Field

State/Private

County

State/Private

City

Golden

Elevation

4800

Drilling Measured From

K/B

Drilling Date

August 20, 2010

Run Number

7628

Depth (feet)

7628

Bottom Log Interval

Casing

Top Log Interval

7-1/8"

Casing Outer

7-1/8"

BT Size

7-1/8"

Type Fluid in Hole

Chem Gel

Density / viscosity

8.91 / 692

Source of Sample

Flowline

Run @ Meas Temp

2.68 @ 86 F

Run @ Meas Temp

1.92 @ 86 F

Run @ Meas Temp

3.20 @ 86 F

Run @ Meas Temp

0.96 @ 239 F

Time Logger Stopped

0915

Time Logger Started

1600

Maximum Recorded Temperature

230 F

Location

Golden, CO

Recorded By

Mahe Shanon

Unrevised By

Shiva

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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
Ensign Drilling Rig 5
Thank you for using Phoenix Surveys.
API #: 05-123-29321-0000

Database File:	10754.db
Dataset Pathname:	pass3
Presentation Format:	pdf1
Dataset Creation:	Fri Aug 20 16:06:40 2010 by Log Open-Cased 070814
Charted by:	Depth in Feet scaled 1:240

6	Density Caliper (in)	16	2	Deep Resistivity (Ohm-m)	200	20	Density Porosity (pu)	0
30	Gamma Ray (GAPI)	130	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
100	SP (mV)	200	2	Shallow Resistivity (Ohm-m)	200			
ABHV (ft3)								

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