

PHOENIX SURVEYS, INC.

COMPENSATED DENSITY

COMPENSATED NEUTRON

DUAL INDUCTION

Company

Blue Chip Oil, Inc.

Well

Morales 31-12

Field

Wattenberg

County

Weld

State/Province

Colorado

Company

Well

Field

County

State/Prv

Location

659 FNL & 1979 FEL

Sec -12, Twp -3N, Rge -68W

Log Measured From

KB

Elevation

4929

Permanet Datum

KB

Elevation

K F: 4939
D.F: 4938
CL: 4929

Drilling Measured From

KB

CL: 4929

Date

March 5, 2007

Run Number

7440

Bottom Logged

7401

Bottom Logged Interval

7401

Top Log Interval

6585

Casing Offset

355

Casing Logger

355

True Bed In Hole

355

Churn Feet

355

Density / Viscosity

9.5 / 7.4

ph / Fluid Loss

3.28 @ 67° F

Run @ Mass Temp

4.73 @ 67° F

Run @ Mass Temp

4.73 @ 67° F

Source of Run / Run

Measure / Calc

Run @ BIT

1.20 @ 210° F

Time Circulation Stopped

1100

Time Offset on Bottom

1640

Equipment

2403

Equipment Number

4073

Location

Big Horn CO

Unvised By

Jim Hager

Recorded By

Chris Kaseiras

Drawn By

Dean Rogers

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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 32
Thank you for using Phoenix Surveys!!
API 05-123-29991-00

Database File: 6913.db
Dataset Pathname: pass2
Presentation Format: pdc
Dataset Creation: Mon Mar 05 18:39:10 2007 by Log Open-Cased 051020
Charted by: Depth in Feet scaled 1.240

6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
50 SP (mV) 150

2 Deep Resistivity (Ohm-m) 200 20
2 Medium Resistivity (Ohm-m) 200 20
2 Shallow Resistivity (Ohm-m) 200

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

3550 3600 3650 3700 3750 3800 3850 3900 3950 4000 4050 4100 4150 4200 4250 4300 4350 4400 4450 4500 4550 4600 4650 4700 4750 4800

2.68 SS Matrix
2.68 SS Matrix

Database File: 6913.db
Dataset Pathname: pass2.2
Presentation Format: pdc
Dataset Creation: Mon Mar 05 18:56:36 2007 by Calc Open-Cased 051020
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
2 Medium Resistivity (Ohm-m) 200 20
2 Shallow Resistivity (Ohm-m) 200

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

6900 7000 7100 7200 7300 7400

2.71 LS Matrix
Matrix Change
2.68 SS Matrix

7400

Logger's TD, 7401

2 Deep Resistivity (Ohm-m) 200 20
2 Medium Resistivity (Ohm-m) 200 20
2 Shallow Resistivity (Ohm-m) 200

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

Caliper

GR

SP

Shallow Resistivity

Deep Resistivity

Medium Resistivity

Density Porosity

Neutron Porosity