

PHOENIX SURVEYS, INC.

COMPENSATED DENSITY

COMPENSATED NEUTRON

GAMMA RAY

Company

Great Western Oil & Gas LLC

Well

Gustafson 31-11

Field

Eaton

County

Weld

State/Prov

Colorado

Location

494' FWL & 794' FWL

Sec 31, Twp - 7N, R9e - 65W

Off-Set Acres

Resolution

Indication

Company

Well

County

State/Prov

Log Measured From

GL

Elevation

4029

Drilling Measured From

K/B

GL

4444

GL

4629

Date

March 4, 2011

Run Number

7445

Depth Logger

7450

Bottom Logger Interval

7-300

Top Log Interval

3000

Caliper

Next Logged

7-7/8

Bit Size

Type Fluid in Hole

Chem Gel

Density /Viscosity

91.7 /50

Source of Sample

Flowline

Run @ Mass Temp

3.30 @ 73 F

Run @ Mass Temp

2.10 @ 73 F

Run @ Mass Temp

4.00 @ 73 F

Run @ Mass Temp

11.16 @ 70 F

Run @ BHT

11.16 @ 70 F

Time Logger Stopped

10:15

Time Logger on Bottom

10:15

Maximum Recorded Temperature

205 F

Location

Big Horn, CO

Recorded By

Souman

Unrevised By

Page

1

Charted by:

Scannio

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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 7
Thank you for using Phoenix Surveys.
API #: 05-123-31295

Database File: 11508.db
Dataset Pathname: main
Presentation Format: poro1
Dataset Creation: Fri Mar 04 19:37:51 2011
Charted by: Depth in Feet scaled 1:240

6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
TBHV (ft3) ABHV (ft3)

30 Density Porosity (pu) -10
30 Neutron Porosity (pu) -10
-0.5 Corr (g/cc) 0.5

1728 1219
1708 1205
1689 1192
1669 1178

2.68 SS Matrix

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6 Density Caliper (in) 16
30 Gamma Ray (GAPI) 130
TBHV (ft3) ABHV (ft3)

30 Density Porosity (pu) -10
30 Neutron Porosity (pu) -10
-0.5 Corr (g/cc) 0.5

1400 902
1380 971
1361 957
1340 942
1320 928
1301 914
1282 900
1261 885
1240 870
1220 855
1200 841
1180 826
1161 812
1141 798
1121 784
1101 769
1081 755
1061 740
1041 726
1022 712
1000 697

2.68 SS Matrix

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Dataset Pathname: main
Presentation Format: poro
Dataset Creation: Fri Mar 04 19:37:51 2011
Charted by: Depth in Feet scaled 1:240

6 Caliper (in) 16
0 Gamma Ray (GAPI) 200
TBHV (ft3) ABHV (ft3)

30 Density Porosity (pu) -10
30 Neutron Porosity (pu) -10
-0.5 Correction (g/cc) 0.5

206 139
199 128
172 116
155 105
138 93
121 81
103 70
86 58
69 47
52 35
35 24
18 12
1 1

2.71 LS Matrix
7278' Matrix Change

7450Logger's TD: 7450'

Caliper
GR FR
Density Porosity FR
Neutron Porosity FR
Correction