

PHOENIX SURVEYS, INC.

COMPENSATED DENSITY

COMPENSATED NEUTRON

DUAL INDUCTION

Company

EnCana Oil & Gas (USA) Inc

Well

Libsack 8-4-27

Field

Wattenberg

County

Weld

State/Province

Colorado

Location

SHL 2462 FSL & 288 FEL NE SE
BHL 2876 FSL & 33 FEL NE SE
Sec. 27 TWP. 4N. R9E. 6SW

Company

Well

Field

County

State/Prov

Log Measured From

K/B

Elevation

4727

Permeant Beam

GL

None

Date

February 17, 2008

GL 4727

Run Number

7736

Depth Logger

7736

Bottom Logger Interval

Casing

Top Log Interval

Casing

Casing Depth

630

Casing Depth

7736

BT Size

7-7/8

Density /Viscosity

3.63 /50

Type Fluid in Hole

Chem Gel

Source of Sample

Flowline

Run @ Mass Temp

3.60 @ 67 F

Run @ Mass Temp

2.65 @ 67 F

Run @ Mass Temp

4.12 @ 67 F

Run @ Mass Temp

1.15 @ 221 F

Time Logger Stopped

1145

Time Logger Bottom

2200

Minimum Recorded Temperature

41.0 F

Location

Brighton, CO

Recorded By

Maclay Storm

Witnessed By

Steve Record

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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
Cade Drilling Rig 22
Thank you for using Phoenix Surveys!!
API #: 05-123-26204-00

Database File:	8401 db
Dataset Pathname:	pass3.2
Presentation Format:	pdc1
Dataset Creation:	Sun Feb 17 23:13:07 2008
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			

This log plot displays various geophysical data from 4250 to 5150 feet depth. The left side shows Density (black line), Gamma Ray (blue line), and SP (red line). The right side shows Deep Resistivity (black line), Medium Resistivity (blue line), and Shallow Resistivity (red line). The bottom right shows Density Porosity (black line) and Neutron Porosity (blue line). The plot is scaled 1:240 for depth in feet.

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0	Gamma Ray (GAPI)	200	2	Medium Resistivity (Ohm-m)	200	20	Neutron Porosity (pu)	0
0	SP (mV)	200	2	Shallow Resistivity (Ohm-m)	200			

This log plot displays various geophysical data from 6750 to 7700 feet depth. The left side shows Caliper (black line), Gamma Ray (blue line), and SP (red line). The right side shows Deep Resistivity (black line), Medium Resistivity (blue line), and Shallow Resistivity (red line). The bottom right shows Density Porosity (black line) and Neutron Porosity (blue line). The plot is scaled 1:240 for depth in feet.

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