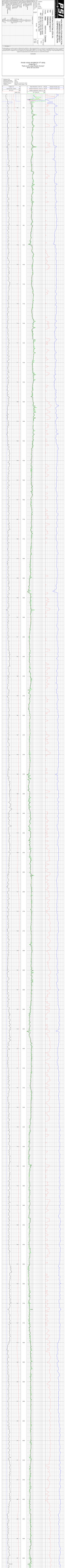

PHOENIX SURVEYS, INC.

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company EnCana Oil & Gas (USA) Inc.
Well Aristocrat Angus 2-3
Field Wattenberg
County Weld State/Province Colorado

Company
Well
Field
County
State/Prv

Location SHL: 895' FNL & 2108' FWL NENW
BHL: 1400' FNL & 1325' FWL SWNW
Sec 3, Twp 3N, Rge 65W

Other Services
None

Elevation
K.B. 4777
D.F. 4776
G.L. 4765

Permanent Datum GL Elevation 4765
Log Measured From KB
Drilling Measured From KB

Date	November 13, 2011		
Run Number	1		
Depth Driller	7818		
Depth Logger	7818		
Bottom Logged Interval	7818		
Top Log Interval	Casing		
Casing Driller	631		
Casing Logger	631		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.6 / 54		
pH / Fluid Loss	8.0 / 9.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	1.90 @ 65 F		
Rmf @ Meas. Temp	1.30 @ 65 F		
Rmc @ Meas. Temp	2.50 @ 65 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.52 @ 236 F		
Time Circulation Stopped	1515		
Time Logger on Bottom	2215		
Maximum Recorded Temperature	236 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Schuman		
Witnessed By	Ewing		

<<< Fold Here >>>

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 wilful 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 Rig 17
Thank you for using Phoenix Surveys!!
API #: 05-123-33107

Database File: 12177.db
Dataset Pathname: main
Presentation Format: encana
Dataset Creation: Mon Nov 14 00:41:51 2011
Charted by: Depth in Feet scaled 1:240

6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 200
ABHV (ft3)
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 RT (Ohm-m) 200
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0

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111
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16
5
2.68 SS Matrix
2.68 SS Matrix
Pulled Tight
2.68 SS Matrix
7444 Matrix Change
Gamma Ray
SP
Caliper
Rt
Shallow Resistivity
Medium Resistivity
Deep Resistivity
Neutron Porosity
Density Porosity
2.65 SS Matrix
Logger's TD: 7818'
6 Caliper (in) 16
0 Gamma Ray (GAPI) 300
0 SP (mV) 200
ABHV (ft3)
2 Deep Resistivity (Ohm-m) 200
2 Medium Resistivity (Ohm-m) 200
2 Shallow Resistivity (Ohm-m) 200
2 RT (Ohm-m) 200
40 Density Porosity (pu) 0
40 Neutron Porosity (pu) 0