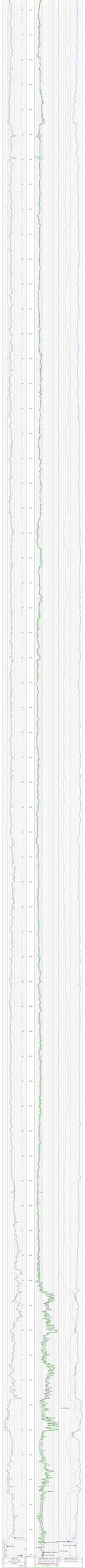

PIONEER
Pioneer Energy Services

HIGH RESOLUTION INDUCTION
COMPENSATED DENSITY
COMPENSATED NEUTRON

Company EnCana Oil & Gas (USA) Inc.
Well Aristocrat Angus 6-4-4
Field Wattenberg
County Weld
State Colorado

Company	EnCana Oil & Gas (USA) Inc.		
Well	Aristocrat Angus 6-4-4		
Field	Wattenberg		
County	Weld	State	Colorado

Location: API # : 05123341360000

SHL: 1975' FSL & 656' FEL NESE
BHL: 2590' FNL & 1300' FEL SENE

SEC 4 TWP 3N RGE 65W

Other Services
None

Permanent Datum	GL	Elevation	4805
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 4818
D.F. 4818
G.L. 4805

Date	November 19, 2012		
Run Number	1		
Depth Driller	7507		
Depth Logger	7504		
Bottom Logged Interval	7504		
Top Log Interval	Casing		
Casing Driller	634		
Casing Logger	634		
Bit Size	7+7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.6 / 50		
pH / Fluid Loss	8.0 / 9.5		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.70 @ 75 F		
Rmf @ Meas. Temp	2.40 @ 75 F		
Rmc @ Meas. Temp	4.50 @ 75 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.26 @ 220 F		
Time Circulation Stopped	1415		
Time Logger on Bottom	2030		
Maximum Recorded Temperature	220 F		
Equipment Number	49		
Location	Brighton, CO		
Recorded By	Schuman		
Witnessed By	Harrison		

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

Annular volume calculated for 4.5" casing
Ensign Drilling Rig 122
Thank you for using Pioneer Energy Services!

Database File:	13212.db
Dataset Pathname:	main
Presentation Format:	encana
Dataset Creation:	Mon Nov 19 22:09:56 2012
Charted by:	Depth in Feet scaled 1:240

Density Porosity (pu) 40 0
Neutron Porosity (pu) 40 0
Deep Resistivity (Ohm-m) 2 200
Medium Resistivity (Ohm-m) 2 200
Shallow Resistivity (Ohm-m) 2 200
RT (Ohm-m) 2 200
Caliper (in) 6 16
Gamma Ray (GAPI) 0 300
SP (mV) 0 200
ABHV (ft3)
650
700
1706
1692
2.65 SS Matrix

757
4400
744
4450
730
4500
717
4550
703
4600
689
4650
675
4700
661
4750
648
4800
635
4850
622
4900
609
4950
596
5000
582
5050
568
5100
554
5150
541
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528
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140
6900
128
6950
117
7000
105
7050
93
7100
82
7150
71
7200
59
7250
48
7300
36
7350
25
7400
13
7450
2
7500
2.68 SS Matrix
Gamma Ray
Caliper
SP
Logger's TD: 7504'
RT
Shallow Resistivity
Medium Resistivity
Deep Resistivity
Neutron Porosity
Density Porosity
2.68 SS Matrix
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