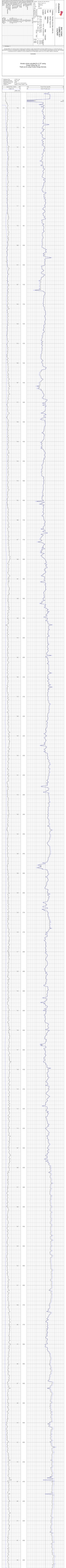

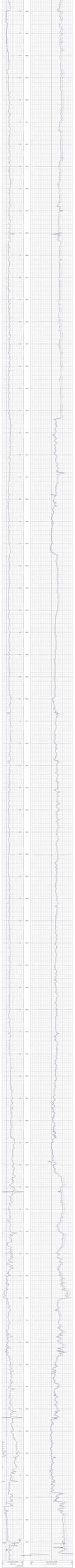

PIONEER

Pioneer Energy Services

BHC SONIC
GAMMA RAY
CALIPER

Company EnCana Oil & Gas (USA) Inc
Well Bohrer Trust 21-19
Field Wattenberg
County Weld
State Colorado

Company	EnCana Oil & Gas (USA) Inc
Well	Bohrer Trust 21-19
Field	Wattenberg
County	Weld
State	Colorado

Location: API # : 05123368610000

SHL: 190' FNL & 595' FEL NWNW
BHL: 737' FNL & 1940' FWL NENW

SEC 19 TWP 3N RGE 68W

Other Services
Density
Neutron
Induction

Permanent Datum	GL	Elevation	5084
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B. 5097
D.F. 5097
G.L. 5084

Date	April 19, 2013		
Run Number	1		
Depth Driller	7893		
Depth Logger	7892		
Bottom Logged Interval	7892		
Top Log Interval	Casing		
Casing Driller	633		
Casing Logger	633		
Bit Size	7-7/8"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	9.7 / 50		
pH / Fluid Loss	8.0 / 8.0		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.54 @ 60 F		
Rmf @ Meas. Temp	2.83 @ 60 F		
Rmc @ Meas. Temp	4.25 @ 60 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	0.95 @ 223 F		
Time Circulation Stopped	1930 4/18/13		
Time Logger on Bottom	0250		
Maximum Recorded Temperature	223 F		
Equipment Number	50		
Location	Brighton, CO		
Recorded By	Clint Christensen		
Witnessed By	Wes Harrison		

<<< Fold Here >>>

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 4-1/2" casing
Ensign Drilling Rig 122
Thank you for using Pioneer Energy Services.

Database File: 12750-1.db
Dataset Pathname: final_soni
Presentation Format: sonic
Dataset Creation: Fri Apr 19 11:29:34 2013
Charted by: Depth in Feet scaled 1:240

837
4400
825
4450
813
4500
801
4550
788
4600
776
4650
763
4700
750
4750
738
4800
726
4850
713
4900
701
4950
688
5000
676
5050
664
5100
652
5150
640
5200
627
5250
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603
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5900
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6000
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6100
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6150
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279
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267
6750
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232
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220
6950
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7100
174
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7200
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7300
127
7350
115
7400
103
7450
91
7500
80
7550
68
7600
56
7650
44
7700
32
7750
21
7800
ABHV
9
7850
Gamma Ray
Caliper
Sonic Porosity
Travel Time
Logger's TD: 7892'
0
Gamma Ray (GAPI)
300
6
Caliper (in)
16
ABHV (ft3)
140
Travel Time (usec/ft)
40
60
Sonic Porosity (pu)
0