PIONEER
Pioneer Energy Services

DUAL INDUCTION GUARD LOG - SP GAMMA RAY

Company	EnCana Oil & Gas (USA) Inc.
Well	McConahay 4E-34H
Field	Wattenberg
County	Weld
State	Colorado

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Well McConahay 4E-34H
Field Wattenberg
County Weld State Colorado

Location: API # : 05123389420000
SHL: 658' FSL & 685' FEL
SESE
SEC 34 TWP 2N RGE 66W

Other Services
None

Permanent Datum GL Elevation 5077
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 5090
D.F. 5089
G.L. 5077

Date	March 11, 2014		
Run Number	1		
Depth Driller	7079		
Depth Logger	4207	Bridge	
Bottom Logged Interval	4207		
Top Log Interval	Casing		
Casing Driller	1116		
Casing Logger	1116		
Bit Size	8-3/4"		
Type Fluid in Hole	Chem Gel		
Density / Viscosity	10.3/ 40		
pH / Fluid Loss	9.0 / 5.9		
Source of Sample	Flowline		
Rm @ Meas. Temp	3.12 @ 68 F		
Rmf @ Meas. Temp	2.50 @ 68 F		
Rmc @ Meas. Temp	3.74 @ 68 F		
Source of Rmf / Rmc	Measure / Calc		
Rm @ BHT	1.46 @ 145 F		
Time Circulation Stopped	0245		
Time Logger on Bottom	1115	Bridge @ 4207	
Maximum Recorded Temperature	F		
Equipment Number	48		
Location	Brighton, CO		
Recorded By	Clint Christensen		
Witnessed By	Dave Hildreth		

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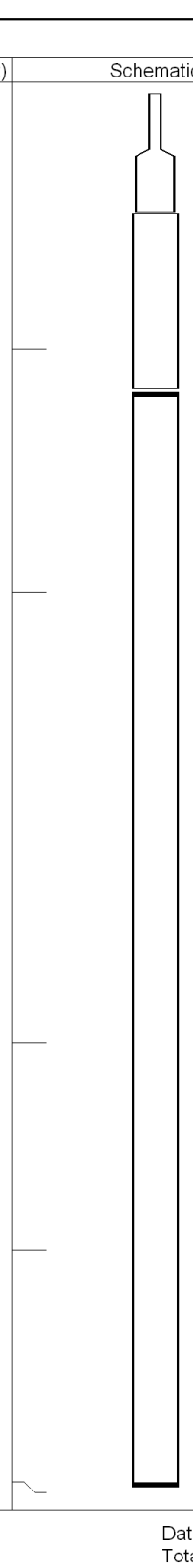
All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees.

Comments

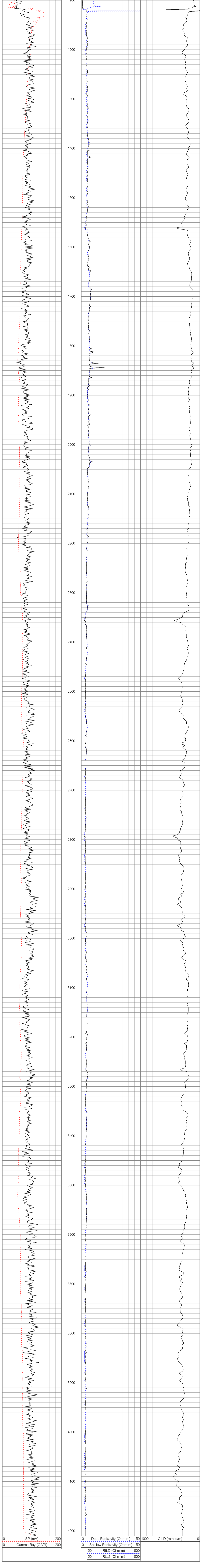
Ensign Drilling Rig 124
Thank you for using Pioneer Energy Services



Sensor	Offset (ft)	Description	Len (ft)	OD (in)	Wt (lb)
		CHD (~0)	2.00	3.50	30.00
		GR-PSI (923)	2.92	3.50	40.00
GR	0.00				
RLL3	-4.02				
		DIL-PSI (1024)	18.25	3.75	175.00
CILD	-11.47				
CILM	-14.92				
SP	-18.92				

Dataset: 13437.db: field/well/run1/pass1
Total Length: 23.17 ft
Total Weight: 245.00 lb
O.D. 3.75 in

Database File: 13437.db
Dataset Pathname: pass2
Presentation Format: dilin5
Dataset Creation: Tue Mar 11 11:25:07 2014 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:600



Database File: 13437.db
Dataset Pathname: pass2
Presentation Format: dil
Dataset Creation: Tue Mar 11 11:25:07 2014 by Log Open-Cased 100827
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: 13437.db
Dataset Pathname: pass1
Dataset Creation: Tue Mar 11 10:24:15 2014 by Log Open-Cased 100827

Dual Induction Calibration Report

Serial-Model: 1024-PSI
Surface Cal Performed: Wed Mar 05 17:46:16 2014

	Readings		References			Results	
Loop:	Air	Loop	Air	Loop		m	b
Deep	0.000	1.000	0.000	1.000	mmho/m	0.570	-45.000
Medium	0.000	1.000	0.000	1.000	mmho/m	0.490	-40.000

Gamma Ray Calibration Report

Serial Number: 923
Tool Model: PSI
Performed: Wed Mar 05 17:46:19 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Sensitivity: 0.6000 GAPI/cps