Gamma Ray / CCL
Cement Bond / CCL

Company	Noble Energy Inc
Well	Rice Evans #1-19S
Field	Wattenberg
County	Weld
State	Colorado

Run No.	Pass No.	Date	Depth Driller	Depth Logger	Bottom Logged Interval	Top Log Interval	Casing Driller	Casing Logger	Bit Size	Type Fluid in Hole	Density	Viscosity	Max Rec. Temp.	Equip. No.	Location	Recorded By	Witnessed By
ONE		10-Oct-2013	7722	7722	7722	6900	8.625 @ 0	8.625 @ 0	7.875	WBM	9.2	40	160	10	GREELEY	MARK	
TWO		10-Oct-2013	7722	7722	7722	0	8.625 @ 0	8.625 @ 0	7.875	WBM	9.2	40	160	10	GREELEY	MARK	

Gamma Ray Calibration Report

Cement Bond Log Calibration Report

Comments

Thank you for using Nabors'
Log NOT correlated

Database File: Nov boots 4 Rt 1916.db
Dataset Pathname: open\1
Dataset Creation: Mon Sep 16 08:56:39 2013 by Log 7.0 64
Report Creator: Last Configured Time: 2013-09-16 08:56:39

0	CCL	5	
Gamma Ray (GAPI)	0	100	
600	T/T (usec)	0	

0	Amplified Amplitude (mV)	50	Variable Density
Amplitude (mV)		500	

0	CCL	5	
Gamma Ray (GAPI)	0	100	
600	T/T (usec)	0	

0	Amplified Amplitude (mV)	50	Variable Density
Amplitude (mV)		500	

Database File: Nov boots 4 Rt 1916.db
Dataset Pathname: open\2
Dataset Creation: Mon Sep 16 09:08:38 2013 by Log 7.0 64

Calibration Report

Gamma Ray Calibration Report

Serial Number	10-Nov-2
Truck Number	Unit 5
Performed	Wed Oct 09 07:55:28 2013
Calibrator Value	7.0 GAPI
Background Reading	7.0 GR
Gamma Ray Reading	7.0 GR
Sensitivity	0.7000 GAPI/cps

Cement Bond Log Calibration Report

Serial Number	Tool-2-10		
Truck Number	Unit 5		
Performed	Wed Sep 18 07:55:28 2013		
Depth	000 INT	ft	
Logging Direction	Down		
	T-Tapering		
Tension Zero	0	0	mV
Calibrated Amplitude	41.1963	10.1963	mV
Reading at Free Pipe	41.1963	10.1963	mV
Reading at Free Pipe	2.47177	600.000	ft
Date	10 MAR	10 MAR	
Time	10:07:00	10:07:00	