NABORS COMPLETION & PRODUCTION SERVICES CO.

Company	NOBLE ENERGY INC.
Well	BICKLING 03-44
Field	WATTENBERG
County	WELD
State	COLORADO

GAMMA RAY CCL
CEMENT BOND VDL

Company	NOBLE ENERGY INC.
Well	BICKLING 03-44
Field	WATTENBERG
Location	API # 05123385210
Primary	WELD
State	COLORADO
Other Services	

Permanent Datum: GL Elevation: 4724 ft
Log Measured From: KB 20 ft above Permanent Datum
Drilling Measured From: KB

	Run Number	Date	Depth Driller	Depth Logger	Bottom Logged Interval	Top Log Interval	Casing Driller Size @ Depth	Casing Logger Size @ Depth	Bit Size	Type Fluid in Hole	Density	Viscosity	PH	Fluid Loss	Source of Sample	Rm @ Measured Temp	Rmf @ Measured Temp	Rmc @ Measured Temp	Source of Rmf / Rmc	Rm @ BHT	Time Since Circulation	Time Since Logger at Bottom	Max Recorded Temp	Equipment Number	Location	Recorded By	Witnessed By
	ONE	10-Nov-13	9957 ft	9957 ft	9957 ft	0 ft	7 in @ 9957 ft		6.125 in	WBM	9.2 lb/gal	40 s	9	6 cc	MUD PIT	0.14 @ 150 °F	0.11 @ 150 °F	0.19 @ 150 °F	MEASURED	0.08 @ 220 °F	12 hr	3 hr	220 °F	10	GREELEY	J. HOLLOWAY	

*** Field 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 willful 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

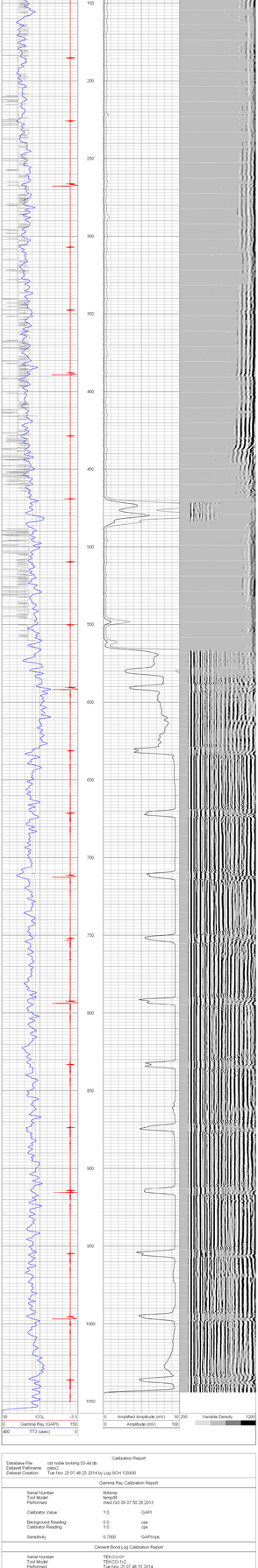
THANK YOU FOR CHOOSING NCPS!!!!
LOG NOT CORRELATED
WCR 74 & WCR 45, S.8, W INTO

Database File: cbl noble bickling 03-44.db
Dataset Pathname: pass3
Presentation Format: Tue Nov 25 07:48:25 2014 by Log SICH 120430
Dataset Creation:
Charted by: Depth in Feet scaled 1:240

30	CCL	-3.3	
0	Gamma Ray (GAPI)	150	
400	TT3 (usec)	0	

0	Amplified Amplitude (mV)	30
0	Amplitude (mV)	100

200	Variable Density	1200



30	CCL	-3.3	
0	Gamma Ray (GAPI)	150	
400	TT3 (usec)	0	

0	Amplified Amplitude (mV)	30
0	Amplitude (mV)	100

200	Variable Density	1200

Calibration Report

Database File: cbl noble bickling 03-44.db
Dataset Pathname: pass2
Dataset Creation: Tue Nov 25 07:46:25 2014 by Log SICH 120430

Gamma Ray Calibration Report

Serial Number:	stbkmg	
Tool Model:	MGT-A	
Performed:	Wed Oct 09 07:50:28 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	TEKCO-01	
Tool Model:	TEKCO-1x2	
Performed:	Tue Nov 25 07:48:15 2014	
Depth:	9957.46	ft
Casing Diameter:	3.5	in

	3' Spacing	5' Spacing	
Signal Zero:	1.5	0	mV
Calibrated Amplitude:	94.5169	94.5169	mV
Reading at Signal Zero:	-0.00559282	-0.00559282	V
Reading in Free Pipe:	2.49678	2.49678	V
Gain:	37.1368	37.7356	
Offset:	1.72022	2.023873	