NABORS COMPLETION & PRODUCTION SERVICES CO.

Company	NOBLE ENERGY INC.
Well	UPRC 1-14 J5
Field	WATTENBERG
County	WELD
State	COLORADO

Company: NOBLE ENERGY INC.
Well: UPRC 1-14 J5
Field: WATTENBERG
County: WELD
State: COLORADO
API #: 05123762
Location: SEC 1 TWP 3N RGE 67W
Permanent Datum: Ground Level
Elev.: K.B. 4877 ft
D.F. 4876 ft
G.L. 4857 ft
Log Measured From: KB 20 ft above Permanent Datum
Drilling Measured From: Rotary Table

GAMMA RAY CCL
CEMENT BOND VDL

Run Number	Date	Depth Driller	Depth Logger	Bottom Logged Interval	Top Logged Interval	Casing Driller	Casing Logger	Bit Size	Type Fluid in Hole	Density	Viscosity	PH	Fluid Loss	Source of Sample	Rm @ Meas Temp	Rmf @ Meas Temp	Rmc @ Meas Temp	Source Rmf / Rmc	Rm @ BHT	Time Since Circulation	Time Logger on Bottom	Max Rec Temp	Equip. Location	Recorded By	Witnessed By
ONE	10-Jul-14	7000 ft.	6996 ft.	6996 ft.	3500 ft.	7000 ft.	6996 ft.	6.75 in.	WATER BASED MUD	8.4 ppg	26 s	10	0 cc	MUD PIT	0.2 @ 70 degF				0.1 @ 140 degF	12 hr	3 hr	140 degF	GREELEY	J. ROSS	

*** Field Data ***

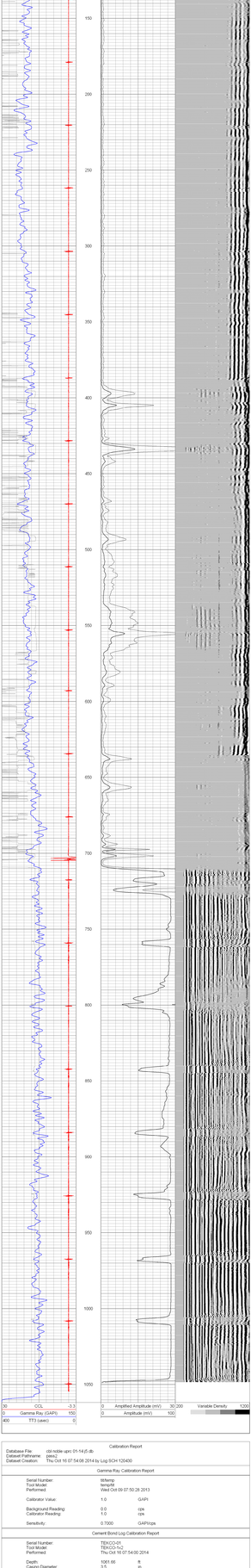
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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 AT & WCR 36, E.3, S.2, W.INTO

Database File: ctd noble uprc 01-14 j5.db
Dataset Pathname: pass1
Presentation Format: nuke2d
Dataset Creation: Thu Oct 16 07:54:06 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

CCL	Gamma Ray (GAPI)	TT3 (usec)	Amplified Amplitude (mV)	Amplitude (mV)	Variable Density
-3.3	150	0	30	100	1200
0	0	400	0	100	



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0	0	400	0	100	

Calibration Report

Database File: ctd noble uprc 01-14 j5.db
Dataset Pathname: pass1
Dataset Creation: Thu Oct 16 07:54:06 2014 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number: 95tehrg
Tool Model: TEHGRS
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: TEHCO-01
Tool Model: TEHCO-1x2
Performed: Thu Oct 16 07:54:00 2014

Depth: 1001.00 ft
Casing Diameter: 5.5 in

	3' Spacing	5' Spacing	
Signal Zero:	1.5	0	mV
Calibrated Amplitude:	94.5100	94.5100	mV
Reading at Signal Zero:	-0.00605469	-0.00610352	V
Reading in Free Pipe:	2.49648	2.13899	V
Gain:	37.1307	44.0919	
Offset:	1.72487	0.268933	