NABORS COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY CCL CEMENT BOND VDL

Company ANADARKO
Well BURCH ROBERT B#1
Field WATTENBERG
County WELD
State COLORADO

Company	ANADARKO
Well	BURCH ROBERT B#1
Field	WATTENBERG
County	WELD
State	COLORADO

Location: API #: 0512308345
SW/SW
SEC 14 TWP 3N RGE 68W

Other Services

Permanent Datum	GL	Elevation 4839	Elevation K.B. 4989 D.F. 4948 G.L. 4939
Log Measured From	KB		
Drilling Measured From	KB		

Date	APRIL 7, 2014
Run Number	ONE
Depth Driller	7885
Depth Logger	1373
Bottom Logged Interval	1373
Top Log Interval	SURFACE
Open Hole Size	
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	490
Time Well Ready	CONCORD
Time Logger on Bottom	2-3/4 PROBE
Equipment Number	4838
Location	45
Recorded By	GREG NOLAN
Witnessed By	CASEY DECKER

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8-5/8			
Prot. String				
Production String	4-1/2			
Liner				

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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 CORRELATED TO NABORS CBL DATED APRIL 2, 2014
WCR 9.5 & WCR 32, W.5, N.25, E INTO

Database File: cbl anadarko burch robert b 1.db
Dataset Pathname: pass4
Presentation Format: noble en
Dataset Creation: Mon Apr 07 07:45:34 2014 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

50	CCL	-5.5	0	Amplified Amplitude (mV)	30	200	Variable Density	1200
0	Gamma Ray (GAPI)	130	0	Amplitude (mV)	100			
400	TT3 (usec)	0						

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Calibration Report

Database File: cbl anadarko burch robert b 1.db
Dataset Pathname: pass4
Dataset Creation: Mon Apr 07 07:45:34 2014 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION Fri Nov 08 09:38:30 2013

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.4400			GAPI/cps

PRIMARY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Cement Bond Log Calibration Report

Serial Number: 110802
Tool Model: Probe275Digital
Performed: Mon Apr 07 07:45:28 2014

Depth: 1373.97 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	0.7	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.0060791	-0.0060791	V
Reading in Free Pipe:	2.48462	2.27827	V
Gain:	32.3187	35.5445	
Offset:	0.896469	0.216079	