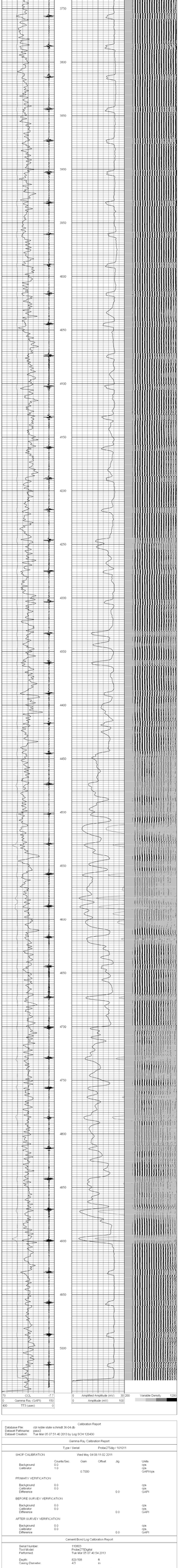

NABORS
COMPLETION
& PRODUCTION
SERVICES CO.

GAMMA RAY CCL
CEMENT BOND VDL

Company	NOBLE ENERGY INC.
Well	STATE SCHMIDT 36-04
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY INC.
Well STATE SCHMIDT 36-04
Field WATTENBERG
County WELD State COLORADO

Location: API #:
SE/SW
SEC 36 TWP 5N RGE 65W

Other Services

Permanent Datum GL Elevation 4764
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4775
D.F.
G.L. 4764

Date	MARCH 5, 2013		
Run Number	ONE		
Depth Driller	7170		
Depth Logger	5025		
Bottom Logged Interval	5025		
Top Log Interval	SURFACE		
Open Hole Size	7-7/8		
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	N/A		
Estimated Cement Top	SURFACE		
Time Well Ready	BOHLER RIG		
Time Logger on Bottom	2-3/4 PROBE 110803		
Equipment Number	4838		
Location	45		
Recorded By	GREG NOLAN		
Witnessed By	DENNIS MARSHALL		

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9-5/8		SURFACE	307
Prot. String				
Production String	4-1/2		SURFACE	TD
Liner				

<<< Fold 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 49 & WCR 50, W.6, N.1, E 100', N INTO

Database File: cbl noble state schmidt 36-04.db
Dataset Pathname: pass3
Presentation Format: noble en
Dataset Creation: Tue Mar 05 07:51:40 2013 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File: cbl noble state schmidt 36-04.db
Dataset Pathname: pass3
Dataset Creation: Tue Mar 05 07:51:40 2013 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101011

	Counts/Sec.	Gain	Offset	Jig	Units
SHOP CALIBRATION	Wed May 04 08:11:02 2011				
Background	0.0				cps
Calibrator	1.0				cps
		0.7000			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: 110803
Tool Model: Probe275Digital
Performed: Tue Mar 05 07:40:54 2013

Depth:	829.508		ft
Casing Diameter:	4.5		in
	3' Spacing	5' Spacing	
Signal Zero:	1.5	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	-0.00581055	-0.00578613	V
Reading in Free Pipe:	1.51782	1.26328	V
Gain:	52.3066	63.9809	
Offset:	1.80393	0.370202	