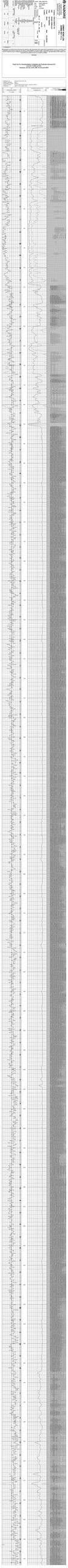

NABORS
COMPLETION & PRODUCTION SERVICES CO.

CEMENT BOND LOG
GAMMA RAY C C L
V D L

Company NOBLE ENERGY INC.
Well MOSER FARMS 04-01
Field WATTENBERG
County WELD
State COLORADO

Company NOBLE ENERGY INC.
Well MOSER FARMS 04-01
Field WATTENBERG
County WELD **State** COLORADO

Location: NE SE NE API #:
SEC 04 TWP 2N RGE 65W
Other Services

Permanent Datum GL Elevation 4849
Log Measured From KB
Drilling Measured From KB

Elevation
K.B. 4860
D.F. 4859
G.L. 4849

Date	December 6, 2012	
Run Number	One	
Depth Driller	7261	
Depth Logger	5024	
Bottom Logged Interval	5023	
Top Log Interval	Surface	
Casing Size	4.50"	
Type Fluid	Water	
Max. Recorded Temp.	195 deg F	
Estimated Cement Top	97 est.	
Time Well Ready	Leed Rig	
Time Logger On Bottom	AM	
Unit Number	4367	
Tool Size / ID Number	2.75 Probe 110802	2.75 Probe 110785
Location	45	Platteville, CO
Recorded By	K. Monaghan	
Witnessed By	C. Swift	

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String				
Production String	4.50"	12.75 lb/ft	Surface	TD
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 Nabors Completion and Production Services CO!!
LOG NOT CORRELATED!!
Directions: 43 & 26, S 4/10, SW 1/10, W and N INTO

Database File: cblmoser farms 04-01.db
Dataset Pathname: pass3
Presentation Format: noble en
Dataset Creation: Thu Dec 06 09:36:23 2012 by Log SCH 120430
Charted by: Depth in Feet scaled 1:240

80 CCL -4
30 Gamma Ray (GAPI) 130
340 TT3 (usec) 240
0 Amplified Amplitude (mV) 30
0 Amplitude (mV) 100
200 Variable Density 1200

Calibration Report

Database File: cblmoser farms 04-01.db
Dataset Pathname: pass3
Dataset Creation: Thu Dec 06 09:36:23 2012 by Log SCH 120430

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 110785

SHOP CALIBRATION Wed Dec 05 11:07:24 2012

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.7500			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: Thu Dec 06 07:37:15 2012

Depth: 943.242 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	0.9	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.0135254	0.0133789	V
Reading in Free Pipe:	2.49856	2.40139	V
Gain:	32.3119	34.0015	
Offset:	0.462969	-0.454903	