

Company NOBLE ENERGY, INC						
Well QUIMBY MD 12-06						
Field WATTENBURG						
County BOULDER						
State COLORADO						
Location:		AP # : 05-013-06374		State COLORADO		Other Services
SEC 12		TWP 1S		RGE 69W		Elevation
Permanent Datum		GROUND LEVEL				K.B. \$143
Log Measured From		KELLY BUSHING		11 FT		L.F. \$152
Drilling Measured From		KELLY BUSHING				O.L. \$152
Ram Number		7-22-13				
Depth Drillier		ONE				
Depth Logger						
Bottom Logged Interval		5'10"				
Top Log Interval		4'00"				
Core Size		4 1/2"				
Time Recorded Temp.		WAIRER				
Estimated Cement Top						
Time WMI Ready						
Time Logger On Bottom		4:57				
Unit Number						
Total Size - ID Number		PROBES DATA				
Recorded By		JEFF UPON				
Witnessed By		BRADELEY BERGG				
		MK TRUIBLE				
Run Number						
Bit						
From						
To						
Size						
Weight						
From						
To						
Casing Record						
Pipe String						
Production String		4 1/2"				
Waft						
Top						
Bottom						
<< Fold Here >>						

All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy of 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 incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are given under general terms and conditions set out in our current Price Schedule.

Comments

THANK YOU FOR USING

NABORS COMPLETION AND PRODUCTION SERVICES CO.
NOTE: LOG NOT CORROLATED

on Jul 22 08:21:54 2013 by Log SCH 120430	
Gamma Ray Calibration Report	
Type / Serial:	Probe275dig / 101010
ATION	Wed Feb 27 07:52:48 2013

0.6500

PRIMARY VERIFICATION	
Background	0.0
Calibrator	0.0
Difference	
BEFORE SURVEY VERIFICATION	

AFTER SURVEY

Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Cement Bond Log Calibration Report			
Serial Number:	110802		

Tool Model:
Performed:

Depth:	4104.92	ft
Casing Diameter:	4.5	in
	3' Spacing	5' Spacing

Signal Zero:

Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.0136475	0.0134521	V
Reading in Free Pipe:	2.48799	1.71667	V
Gain:	32.4515	47.672	

Offset:

File:	cbl quimby md 12-06.db
Pathname:	pass4
Creation Format:	noble en
Creation:	Mon Jul 22 08:21:54 2013 by Log SCH 120430

d 1:240

CCL -4
 Gamma Ray (GAPI) 150
 TT3 (usec) 240

0	Amplified Amplitude (mV)	30	200
0	Amplitude (mV)	100	

Variable Delay

4000

