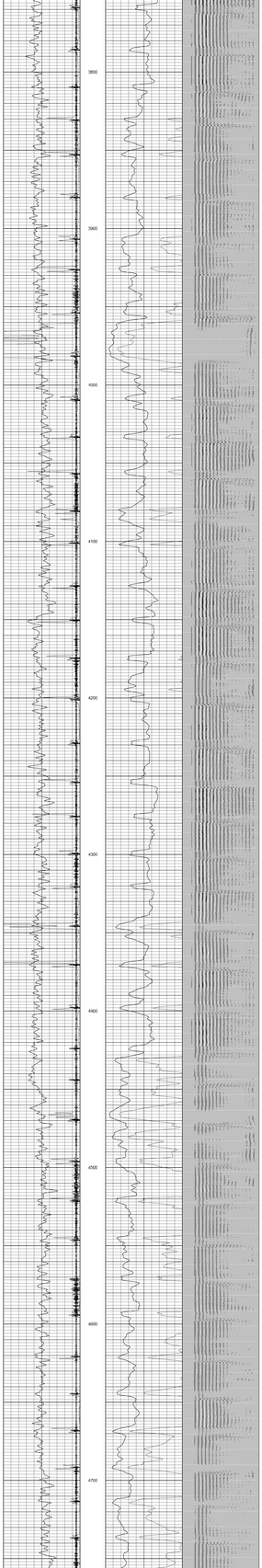

NABORS
COMPLETION
& PRODUCTION
SERVICES CO.

Gammar Ray / CCL
Cement Bond / VDL

Company	Noble Energy Inc.
Well	Monfort PM K 3-13
Field	Wattenberg
County	Weld
State	Colorado

Company Noble Energy Inc.
Well Monfort PM K 3-13
Field Wattenberg
County Weld State Colorado

Location: API # : 05-123-14121
785' FSL & 535' FWL
SW/SW
SEC 3 TWP 4N RGE 66W

Other Services

Permanent Datum Elevation 4715'
Log Measured From
Drilling Measured From

Elevation
K.B. 4728'
D.F. 4727'
G.L. 4715'

Date	September 24, 2014		
Run Number	One		
Depth Driller	7445'		
Depth Logger	5000'		
Bottom Logged Interval	5000'		
Top Log Interval	Surface		
Open Hole Size			
Type Fluid	Water		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom	2 3/4 Tecko		
Equipment Number	92-3376		
Location	CR46&31,N1mile,NEinto		
Recorded By	Adam Frank		
Witnessed By	Allen Miller		

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	24#		
Prot. String				
Production String	4 1/2	15.1#		
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 using Nabors!
Log NOT Correlated

Database File: monfort pm k 3-13.db
Dataset Pathname: pass2
Presentation Format: nuexbond
Dataset Creation: Wed Sep 24 07:55:51 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

0	Gamma Ray (GAPI)	150
30	CCL	-1.5
340	TT3 (usec)	240
0	Amplified Amplitude (mV)	30
0	Amplitude (mV)	100
200	VDL	1200

Calibration Report

Database File: monfort pm k 3-13.db
Dataset Pathname: pass2
Dataset Creation: Wed Sep 24 07:55:51 2014 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number:	234GR-328	
Tool Model:	TekcoGR	
Performed:	Mon Apr 18 13:05:02 2011	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.8000	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	234B35C-8013	
Tool Model:	TEKCO	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	5039.433	ft

Master Calibration, performed Wed Sep 24 07:55:40 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	2.251	0.900	81.196	35.771	0.693
CAL	0.007	0.797				
5'	0.005	1.681	0.900	81.196	47.926	0.651
SUM						
S1						
S2						
S3						
S4						
S5						
S6						
S7						
S8						

Internal Reference Calibration, performed Wed Aug 03 12:27:14 2011:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.007	0.797	1.000	0.000

Air Zero Calibration, performed Wed Aug 03 12:21:32 2011:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1			
S2			
S3			
S4			
S5			
S6			
S7			
S8			