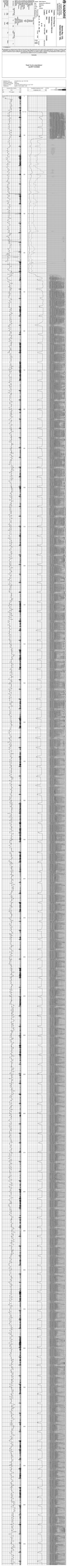

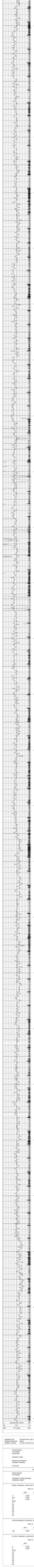

NABORS
COMPLETION
& PRODUCTION
SERVICES CO.

Gamma Ray / CCL
Cement Bond / VDL

Company Noble Energy Inc.
Well Schmidt Amoco UPRR 44-23
Field Wattenberg
County Weld
State Colorado

Company Noble Energy Inc.
Well Schmidt Amoco UPRR 44-23
Field Wattenberg
County Weld State Colorado

Location: API # : 05-123-13881
SE / SE
SEC 23 TWP 4N RGE 66W

Other Services

Permanent Datum Elevation 4742'
Log Measured From
Drilling Measured From

Elevation
K.B. 4753'
D.F. 4752'
G.L. 4742'

Date	December 5, 2014		
Run Number	One		
Depth Driller	7335'		
Depth Logger	6300'		
Bottom Logged Interval	6300'		
Top Log Interval	Surface		
Casing Size	4 1/2		
Type Fluid	Water		
Max. Recorded Temp.	NA		
Estimated Cement Top			
Time Well Ready	7:45am		
Time Logger On Bottom	8:00am		
Unit Number	92-3376		
Tool Size / ID Number	2 3/4 Tecko		
Location	CR42&35,N1/10,Winto		
Recorded By	Adam Frank		
Witnessed By	Scott Trumble		

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	15.10#		
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 using Nabors!
Log NOT Correlated

Database File: schmidt amoco uprr 44-23.db
Dataset Pathname: pass2
Presentation Format: nuexbond
Dataset Creation: Fri Dec 05 08:05:25 2014 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

Calibration Report

Database File:	schmidt amoco uprr 44-23.db
Dataset Pathname:	pass2
Dataset Creation:	Fri Dec 05 08:05:25 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:	6154.858	ft

Master Calibration, performed Fri Dec 05 08:04:14 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	2.473	0.900	81.196	32.542	0.704
CAL	0.007	0.828				
5'	0.005	2.053	0.900	81.196	39.207	0.696
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	0.828	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			