



**COMPLETION
& PRODUCTION
SERVICES CO.**

**Gamma Ray / CCL
Cement Bond / VDL**

Company		Noble Energy Inc.	
Well	Feit E23-06		
Field	Wattenberg		
County	Weld		
State	Colorado		
Location:		API #: 05-123-17729	
SEC 23 TWP 6N RGE 65W		SE / NW	
Permanent Datum	GL	Elevation	4706'
Log Measured From	KB		
Drilling Measured From	KB		
Date	April 15, 2015		
Run Number	One		
Depth Driller	778		
Depth Logger	600		
Bottom Logged Interval	600		
Top Log Interval	Surface		
Casing Size	4 1/2		
Type Fluid	Water		
Max. Recorded Temp.	NA		
Estimated Cement Top	360		
Time Well Ready	12.00pm		
Time Logger On Bottom	12.20pm		
Unit Number	923276		
Tool Size / ID Number	1 11/16 Teco		
Location	Hwy392&CR4/S172,W310,S310,W&Minio		
Recorded By	Adam Frank		
Witnessed By	Carl Swift		
Run Number	Bit	From	To
Borehole Record		Tubing Record	
Size	Wg/Ft	Top	Bottom
8 5/8	2 1/2 J-55	Surface	343'
4 1/2	11.6#/15.10#	Surface	778'
Casing Record		Liner	
Surface String	8 5/8	2 1/2 J-55	Surface
Production String	4 1/2	11.6#/15.10#	Surface

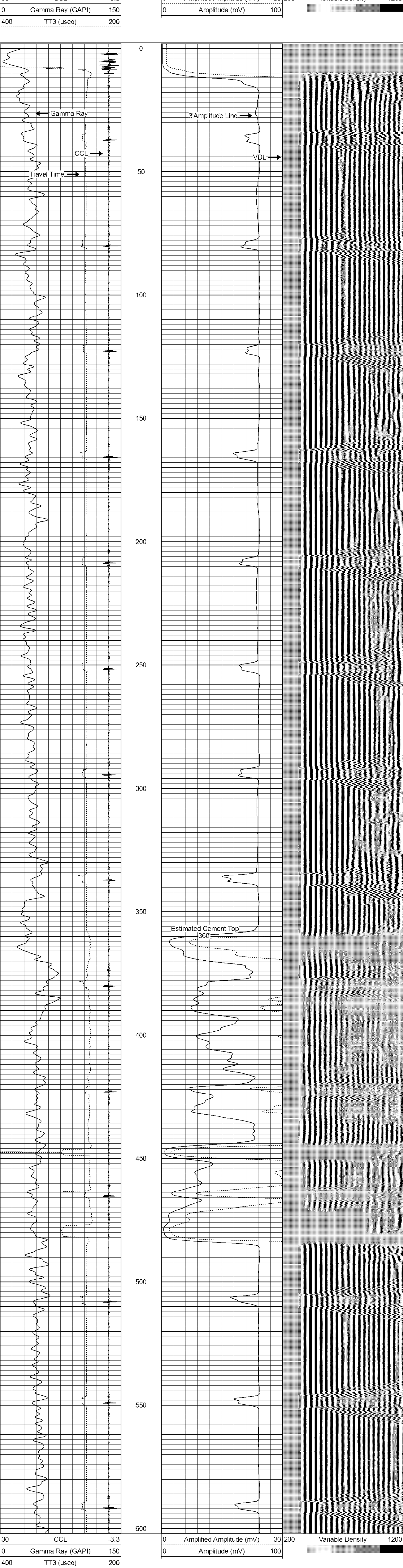
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses

Log NOT Correlated

Database File: teit e23-06.db									
Dataset Pathname: pass3									
Presentation Format: nuexcb1									
Dataset Creation: Wed Apr 15 12:23:02 2015 by Log 7.0 B1									
Charted by: Depth in Feet scaled 1:240									



Log 7.0 DI

Gamma Ray Calibration Report	
Source Name:	137Cs

Wed Oct 09 07:50:28 2013

Performed:	Wed Oct 09 07:30:28 2013	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.7000	GAPI/cps
Cement Bond Log Calibration Report		
Serial Number:	TEKCO-01	
Tool Model:	TEKCO-1x2	

1. *Journal of the American Medical Association*, 1997; 277: 1033-1037.

Depth:	116.992	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:	-0.00490723	-0.00495605	V
Reading in Free Pipe:	2.48901	2.45737	V