GAMMA RAY CCL
CEMENT BOND VDL

Company	NOBLE ENERGY INC.
Well	Eisenach 12-01 G6
Field	WATTENBERG
County	WELD
State	COLORADO

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Well Eisenach 12-01 G6
Field WATTENBERG
County WELD State COLORADO

Location: API # : 0512318595

NE / NE

SEC 12 TWP 6N RGE 66W

Other Services

Permanent Datum	GL	Elevation 4810'	Elevation K.B. 4824' D.F. 4823' G.L. 4810'
Log Measured From	KB		
Drilling Measured From	KB		

Date	May 10, 2013		
Run Number	1		
Depth Driller			
Depth Logger	1000'		
Bottom Logged Interval	1000'-0'		
Top Log Interval			
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity			
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger on Bottom	1-11/16 Tekco		
Equipment Number	3342		
Location	WCRs72+37,S1/10,W1/10,Ninto		
Recorded By	Meisner		
Witnessed By	Honstien		

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	2-7/8"			
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!!

Calibration Report

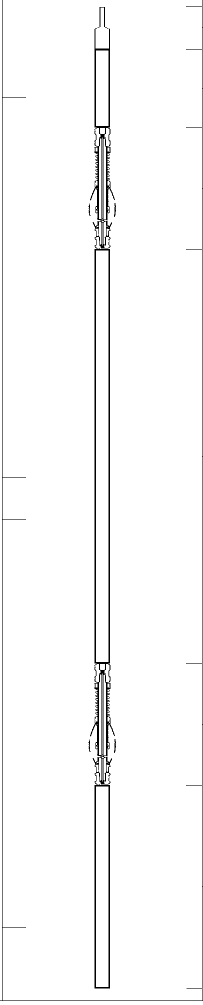
Database File: eisenach12-01 g6.db
Dataset Pathname: pass1
Dataset Creation: Fri May 10 07:54:22 2013 by Log Std Casedhole 10081

Gamma Ray Calibration Report

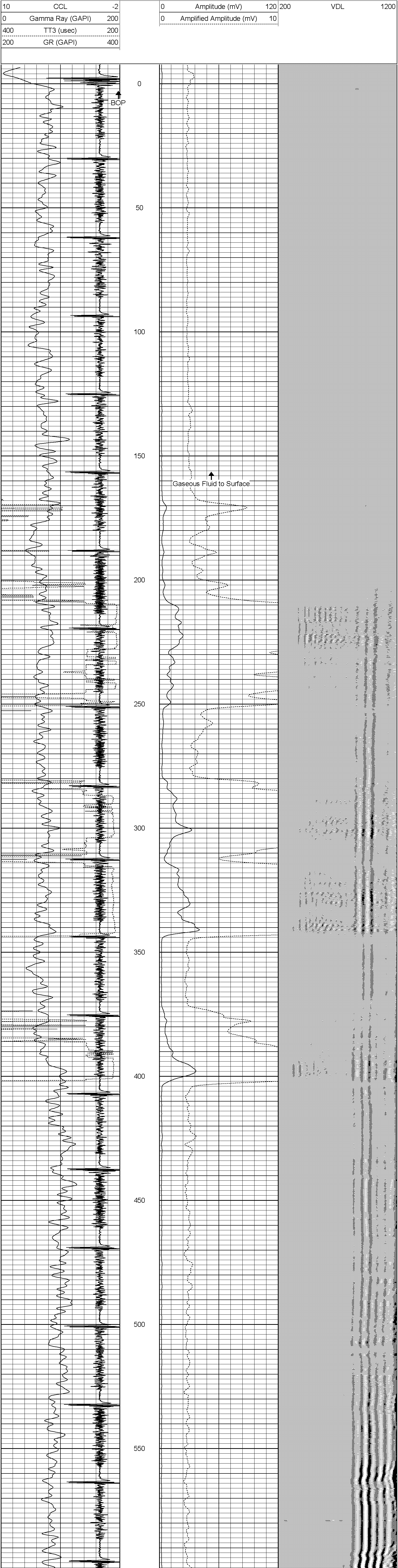
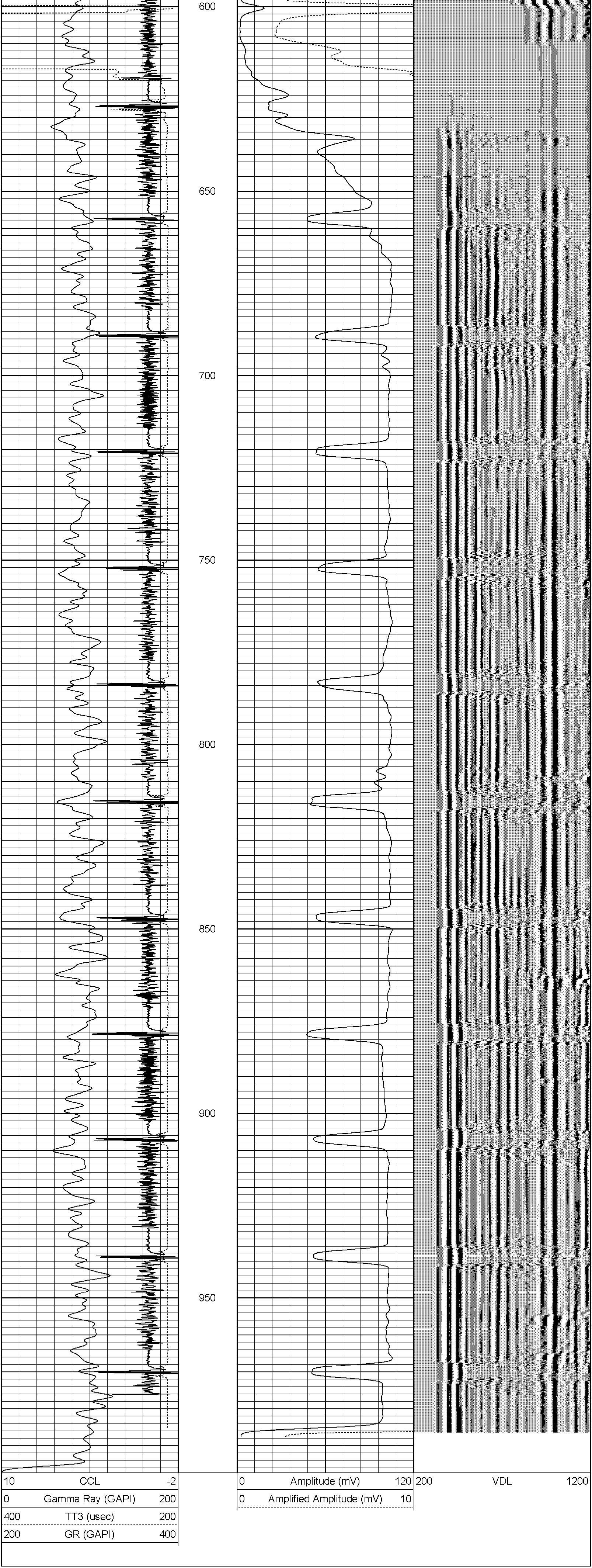
Serial Number:	1-11/16T	
Tool Model:	T1-11/16	
Performed:	Mon Mar 19 12:14:55 2012	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Cement Bond Log Calibration Report

Serial Number:	TEKCO-01		
Tool Model:	TEKCO-1x2		
Performed:	Fri May 10 07:52:13 2013		
Depth:	724.592	ft	
Casing Diameter:	2.875	in	
	3' Spacing	5' Spacing	
Signal Zero:	0.8	0	mV
Calibrated Amplitude:	106.451	106.451	mV
Reading at Signal Zero:	0.00939941	0.00942383	V
Reading in Free Pipe:	1.79172	0.396631	V
Gain:	59.2771	274.92	
Offset:	0.24283	-2.5908	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CHD-STNDRD (1) Standard Cable Head	1.00	1.69	5.00
CCL	20.80		CCL-T1-11/16 (1-11/16T) Titan 1-11/16 collar locator	1.83	1.69	20.00
			1.69 MOT 1 11/16" MOT Tekco Adjustable Centralizer	2.83	1.69	10.00
WVF3	11.94		CBL-TEKCO-1x2 (TEKCO-01) TEKCO Cement Bond 1x2	9.68	1.69	40.00
WVF5	10.96					
			1.69 MOT 1 11/16" MOT Tekco Adjustable Centralizer	2.83	1.69	10.00
GR	1.43		GR-T1-11/16 (1-11/16T) Titan 1-11/16 Gamma Ray	4.75	1.69	20.00

Dataset: eisenach12-01 g6.db: field/well/run1/pass1
Total Length: 22.93 ft
Total Weight: 105.00 lb
O.D. 1.69 in

Database File: eisenach12-01 g6.db
Dataset Pathname: pass1.3
Presentation Format: bond
Dataset Creation: Fri May 10 08:08:20 2013 by Calc Std Casedhole 10081
Charted by: Depth in Feet scaled 1:240