NABORS
COMPLETION & PRODUCTION SERVICES CO.

GAMMA RAY CCL
CEMENT BOND VDL

Company	NOBLE ENERGY INC.
Well	LAURIDSON V V18-04J
Field	WATTENBERG
County	WELD
State	COLORADO

Company NOBLE ENERGY INC.

Well LAURIDSON V V18-04J

Field WATTENBERG

County WELD **State** COLORADO

Location: API #:

SEC 18 TWP 1N RGE 67W

Other Services

Permanent Datum	GL	Elevation	
Log Measured From	KB		
Drilling Measured From	KB		

Elevation
K.B.
D.F.
G.L.

Date	OCTOBER 9, 2013		
Run Number	ONE		
Depth Driller			
Depth Logger	2000		
Bottom Logged Interval	2000		
Top Log Interval	SURFACE		
Open Hole Size			
Type Fluid	WATER		
Density / Viscosity	N/A		
Max. Recorded Temp.	N/A		
Estimated Cement Top	SURFACE		
Time Well Ready	LEED RIG		
Time Logger on Bottom	1-11/16 RED TOOL		
Equipment Number	4838		
Location	45		
Recorded By	GREG NOLAN		
Witnessed By	PETE BURNS		

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	3-1/2			
Liner				

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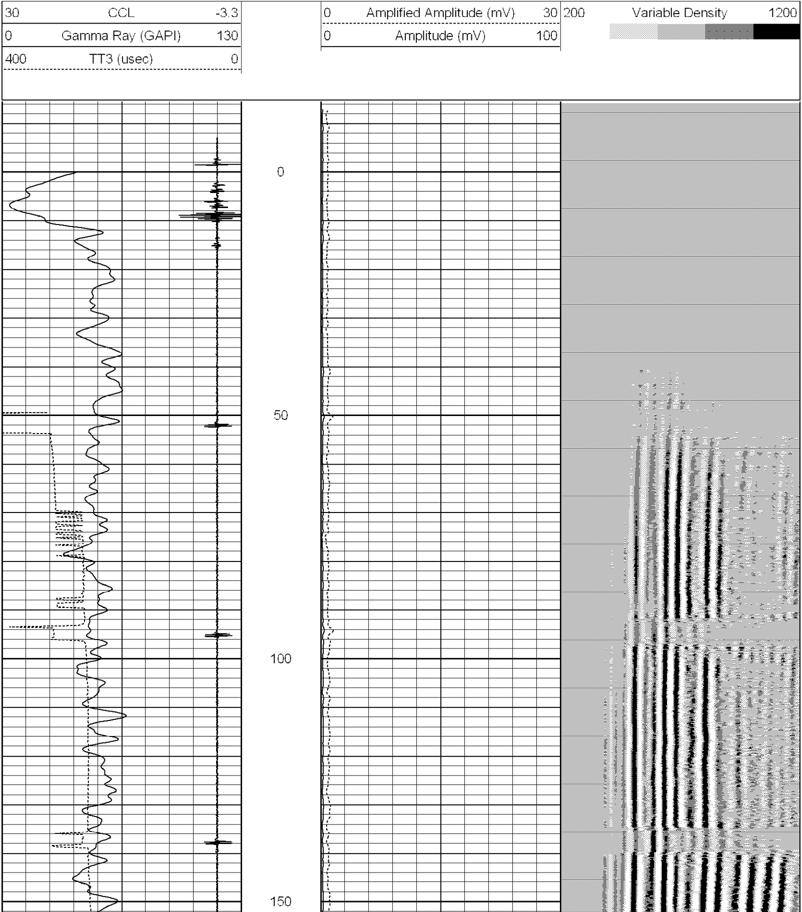
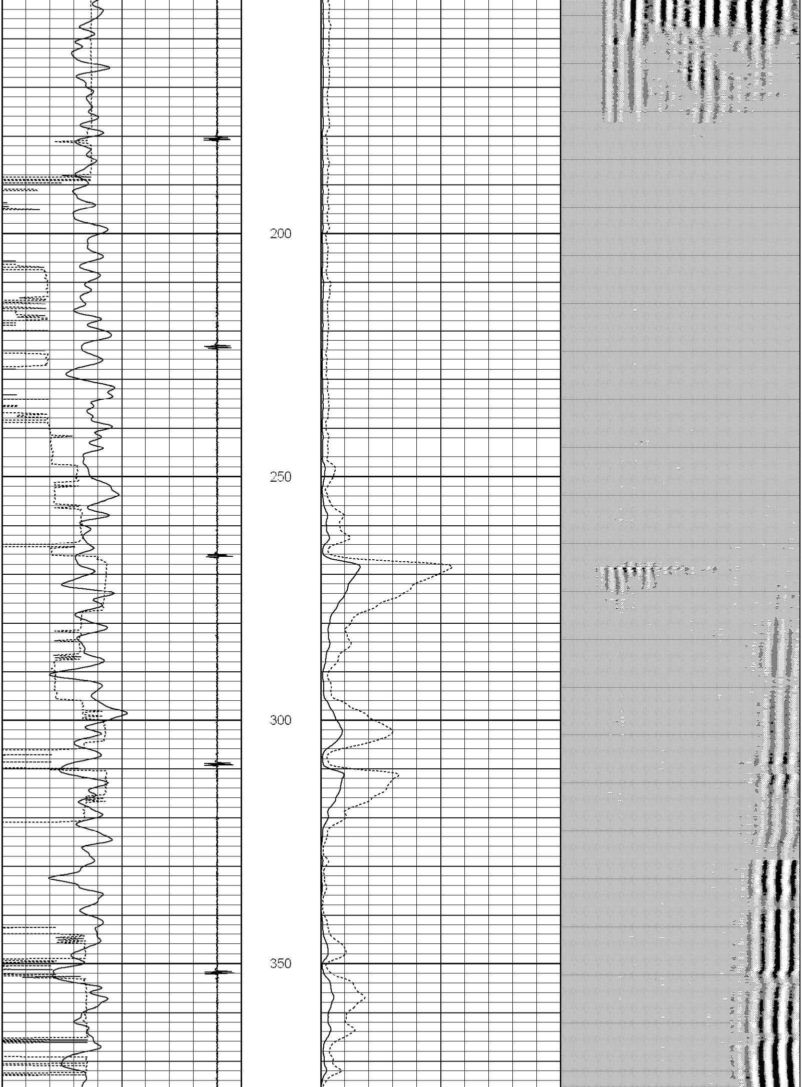
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

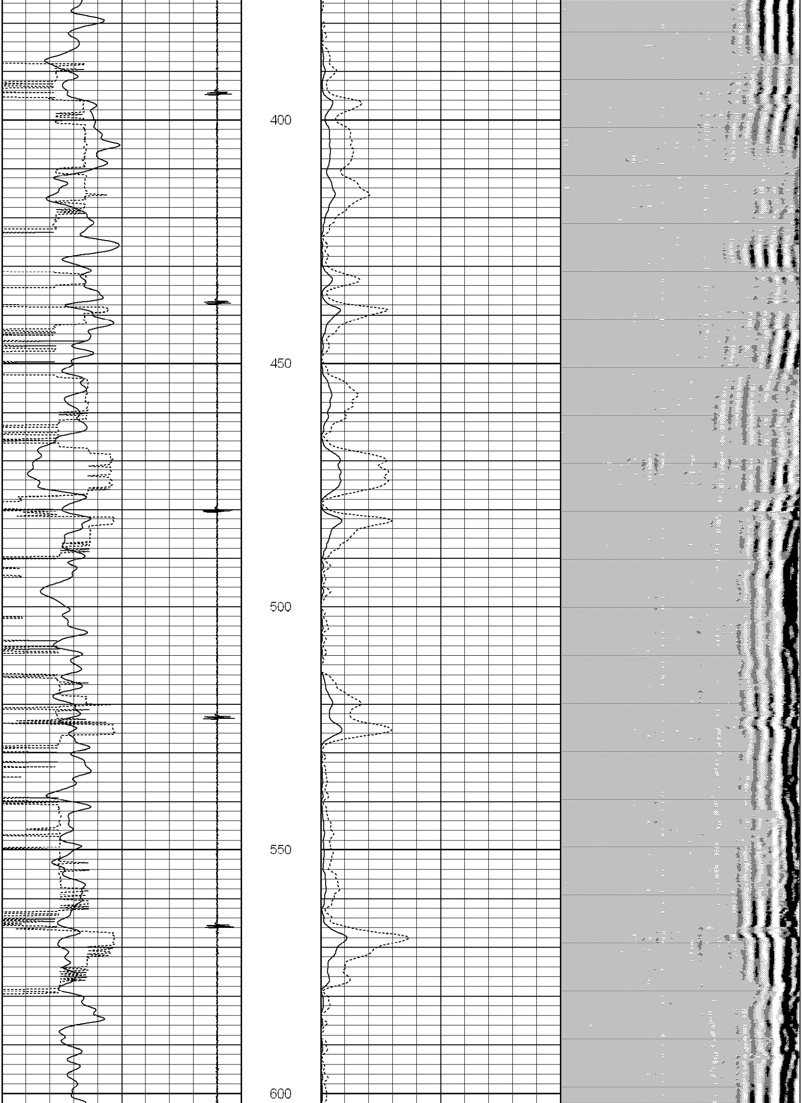
Comments

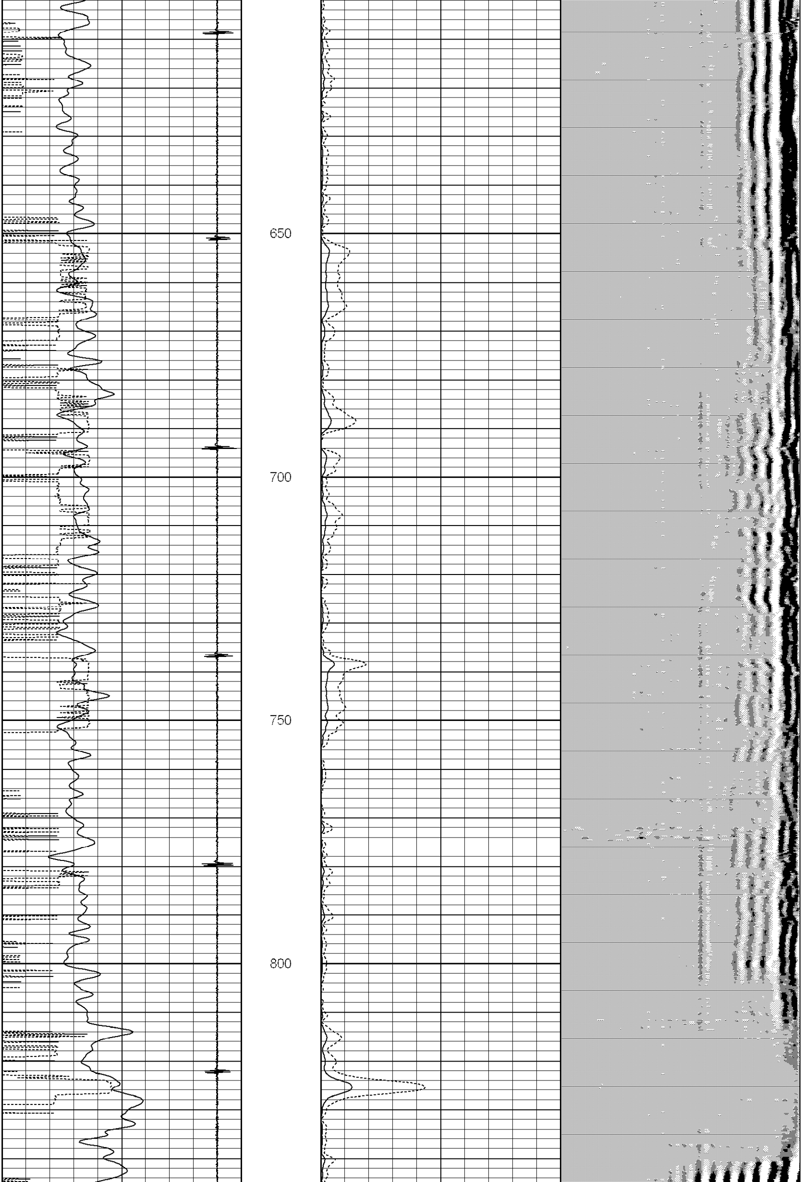
THANK YOU FOR CHOOSING NCPS!!!!
LOG NOT CORRELATED
WCR 15 & WCR 8, W.2, N.2, E 500', N.1, W INTO

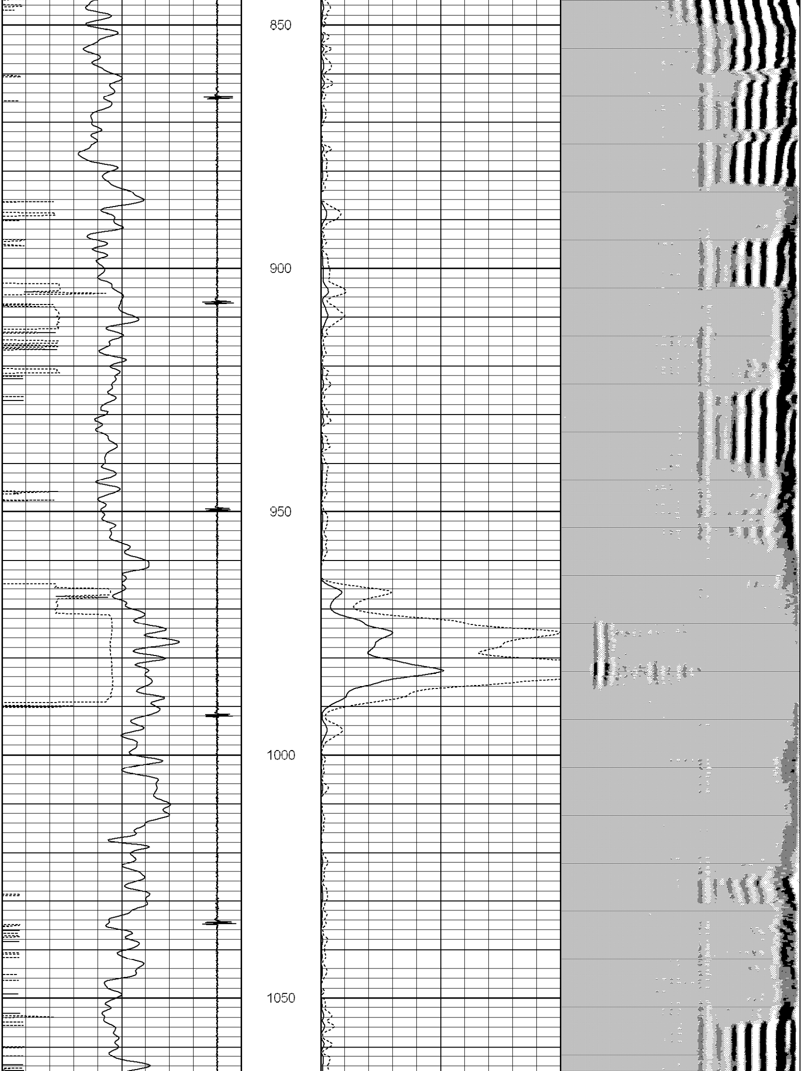
Database File:	cbl noble lauridson vv18-4j.db
Dataset Pathname:	pass2
Presentation Format:	nuexcbl
Dataset Creation:	Wed Oct 09 07:37:29 2013 by Log SCH 120430
Charted by:	Depth in Feet scaled 1:240

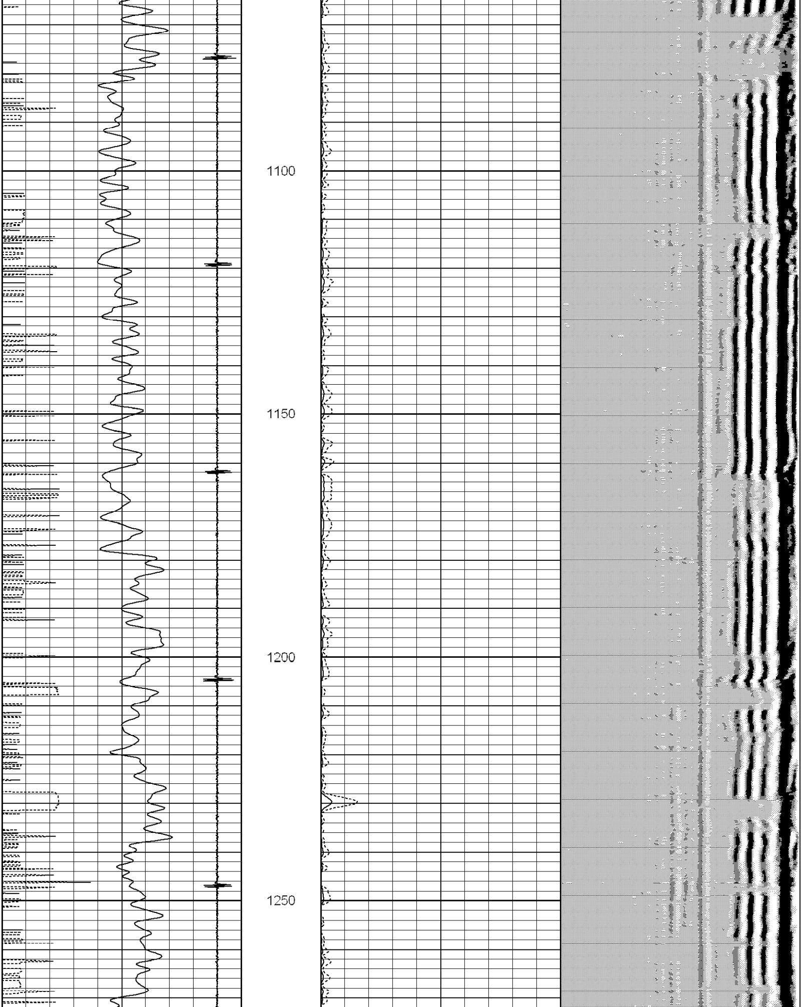


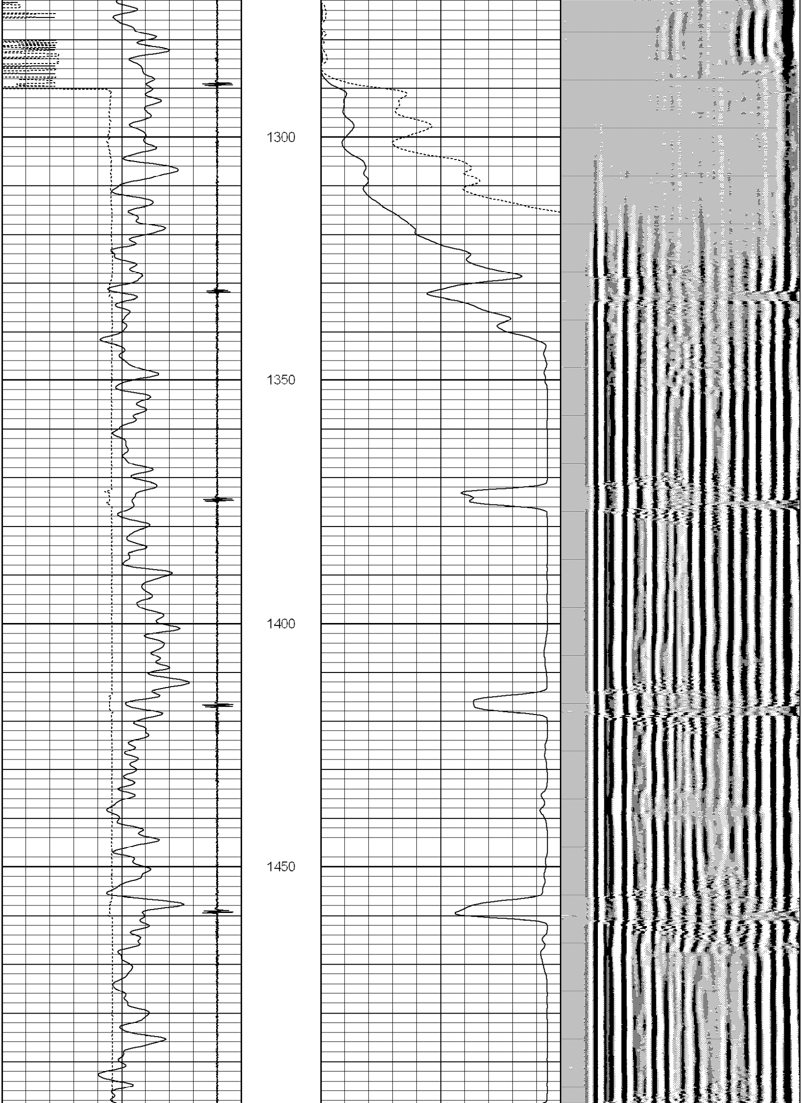


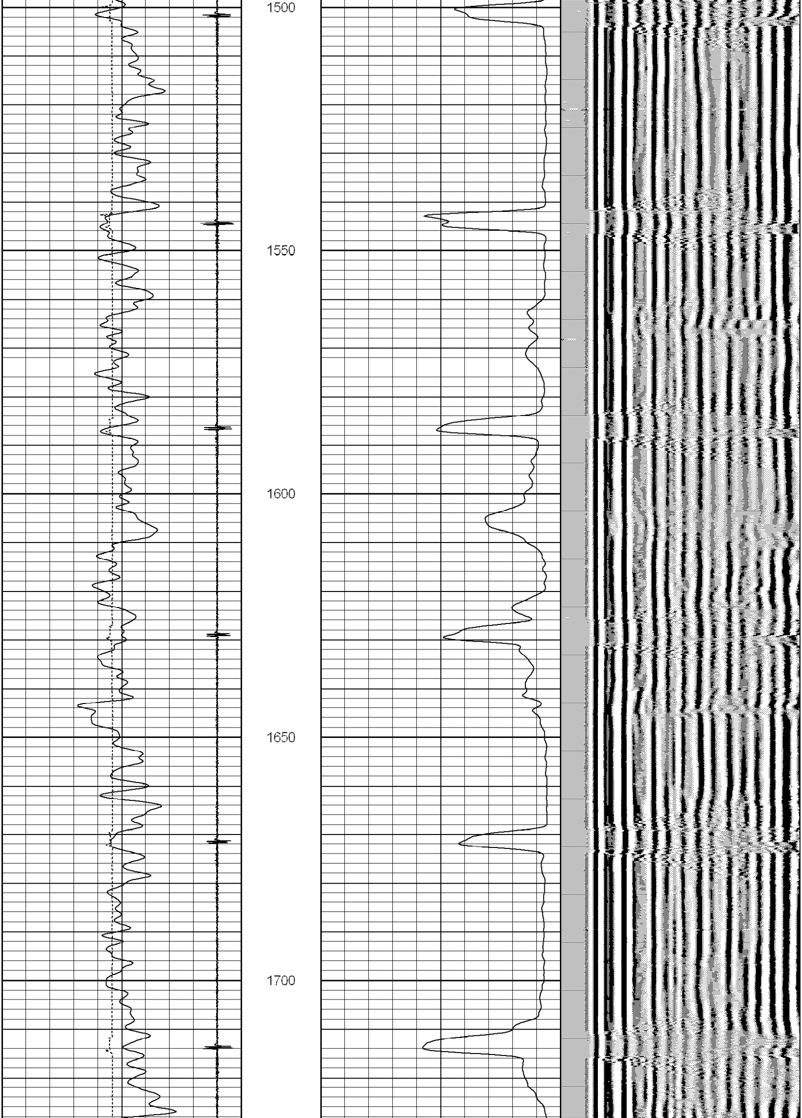


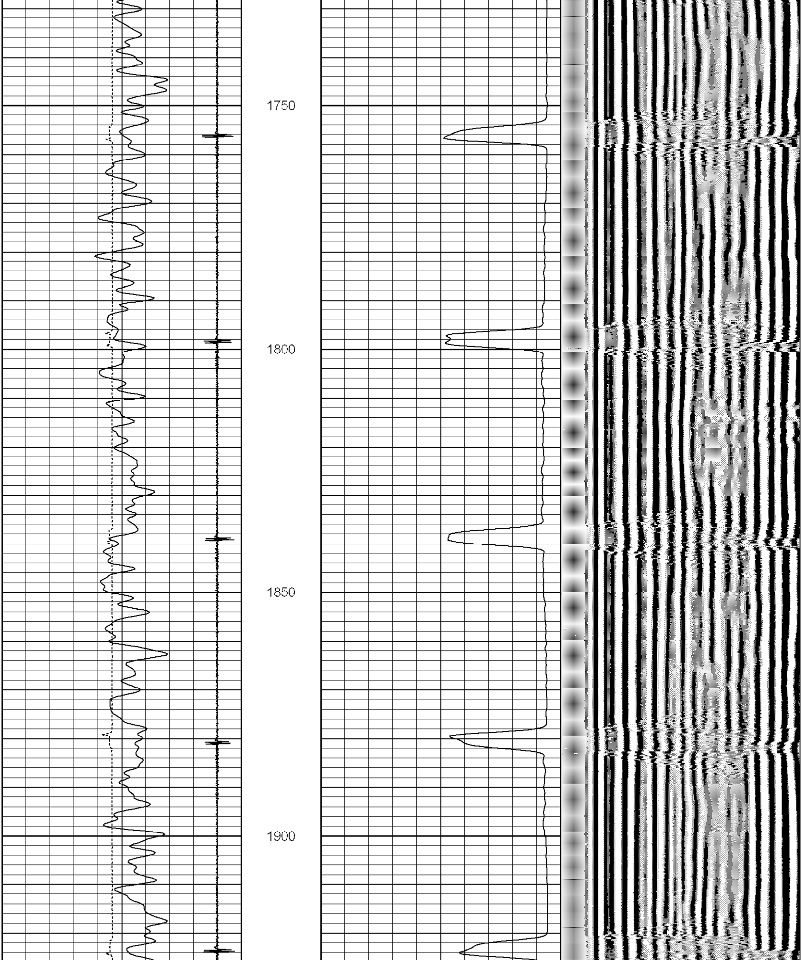


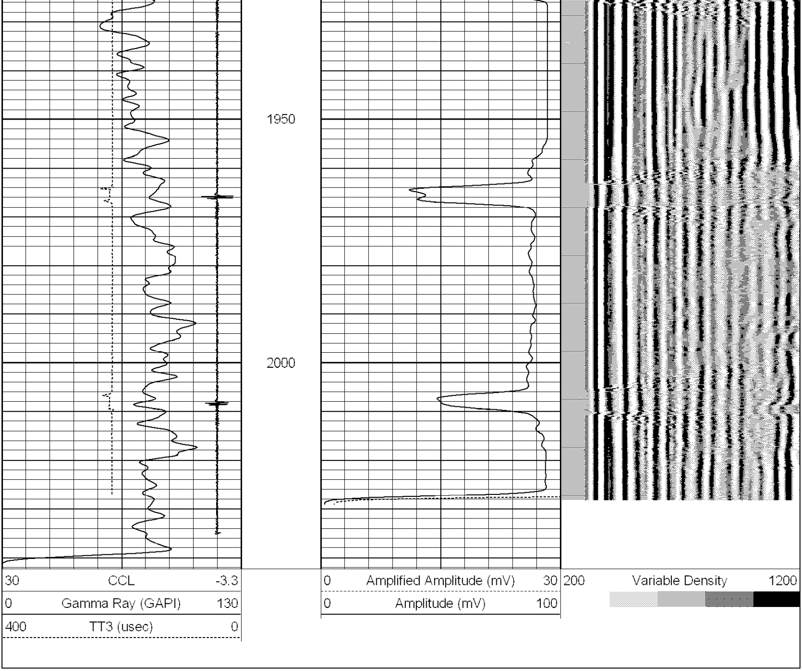












Calibration Report

Database File: cbl noble lauridson vv18-4j.db
Dataset Pathname: pass2
Dataset Creation: Wed Oct 09 07:37:29 2013 by Log SCH 120430

Gamma Ray Calibration Report

Serial Number:	tit/temp	
Tool Model:	temp/tit	
Performed:	Wed Oct 09 07:50:28 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		
Performed:	Wed Oct 09 07:37:17 2013		
Depth:	2042.27	ft	
Casing Diameter:	3.5	in	
	3' Spacing	5' Spacing	
Signal Zero:	1.5	0	mV
Calibrated Amplitude:	94.5169	94.5169	mV
Reading at Signal Zero:	-0.00605469	-0.00593262	V
Reading in Free Pipe:	2.49617	2.49878	V
Gain:	37.1737	37.7356	
Offset:	1.72508	0.223871	