C&J ENERGY SERVICES

GAMMA RAY - C.C.L.
CEMENT BOND - V.D.L.

Company K.P. KAUFFMAN
Well FRISBEE #2
Field WATTENBERG
County WELD
State COLORADO

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Well	FRISBEE #2
Field	WATTENBERG
County	WELD
State	COLORADO

Location: API # :

NW/NE

SEC 30 TWP 1N RGE 67W

Permanent Datum	G.L.	Elevation	N/A
Log Measured From	K.B.		
Drilling Measured From	K.B.		

Other Services

Elevation
K.B. N/A
D.F. N/A
G.L. N/A

Date	DEC.-26-2018		
Run Number	ONE		
Depth Driller			
Depth Logger			
Bottom Logged Interval	3050		
Top Log Interval	-0		
Casing Size	4 1/2		
Type Fluid	WATER		
Max. Recorded Temp.			
Estimated Cement Top			
Time Well Ready			
Time Logger On Bottom			
Unit Number			
Tool Size / ID Number	1 11/16 PROBE		
Location	STERLING		
Recorded By	R.GARDNER		
Witnessed By	RICK RAMOS		

	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	4 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

LOG IS NOT CORRELATRD!!

Calibration Report

Database File: frisbee#2.db
Dataset Pathname: pass3
Dataset Creation: Wed Dec 26 12:52:53 2018 by Log 7.0 B1

Gamma Ray Calibration Report

Type / Serial: CCL/GR / FW1406-009

SHOP CALIBRATION

Thu Jun 11 13:08:30 2015

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		0.7000			GAPI/cps

PRIMARY VERIFICATION

	Counts/Sec.	Jig	Units
Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

BEFORE SURVEY VERIFICATION

	Counts/Sec.	Jig	Units
Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

AFTER SURVEY VERIFICATION

	Counts/Sec.	Jig	Units
Background	0.0		cps
Calibrator	0.0		cps
Difference		0.0	GAPI

Cement Bond Log Calibration Report

Serial Number: FW1406-029
Tool Model: Probe
Performed: Wed Dec 26 12:45:55 2018

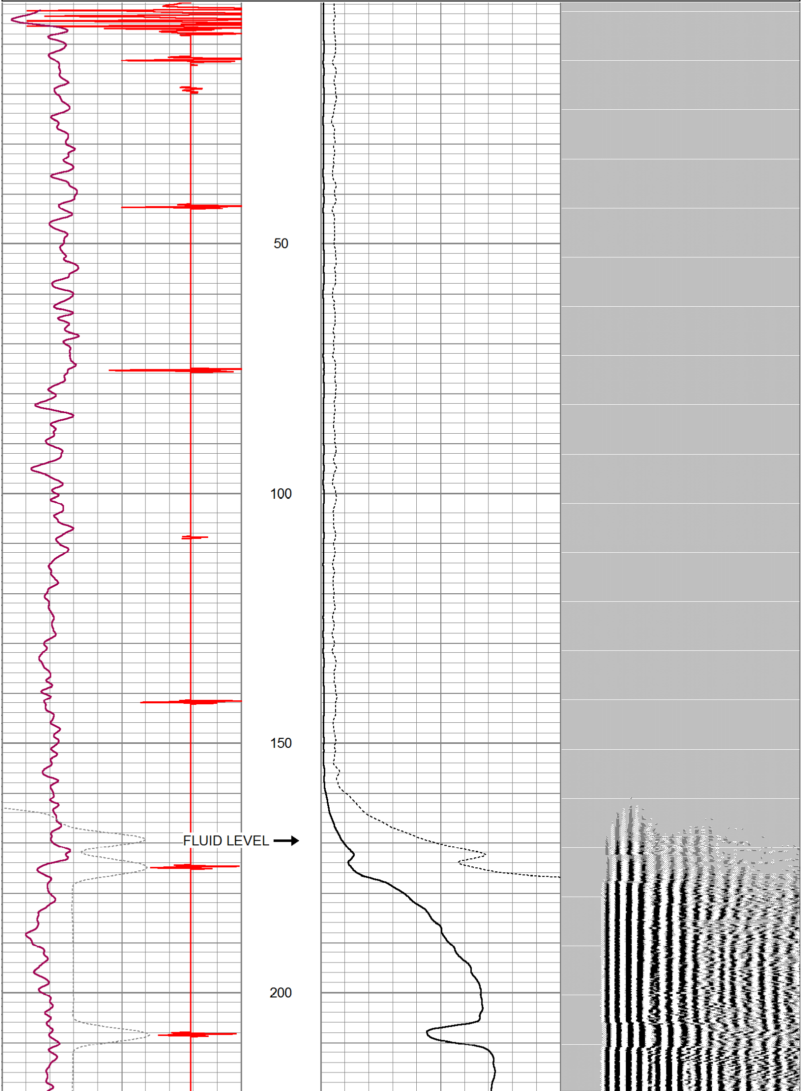
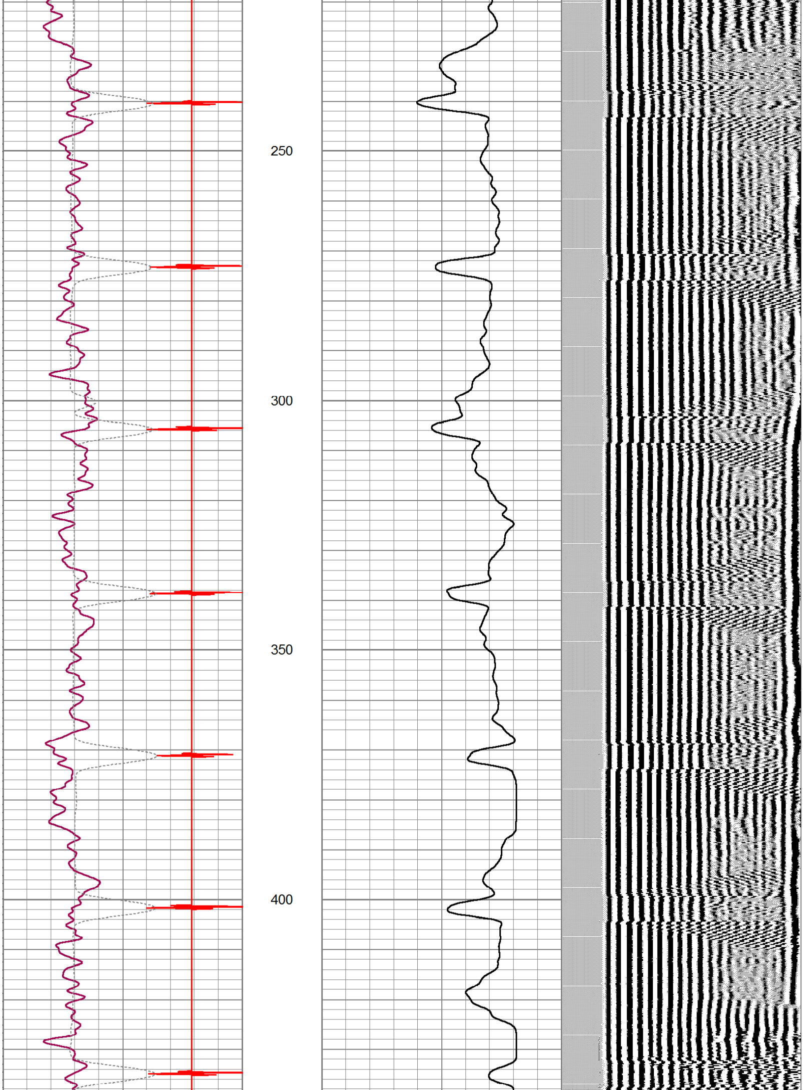
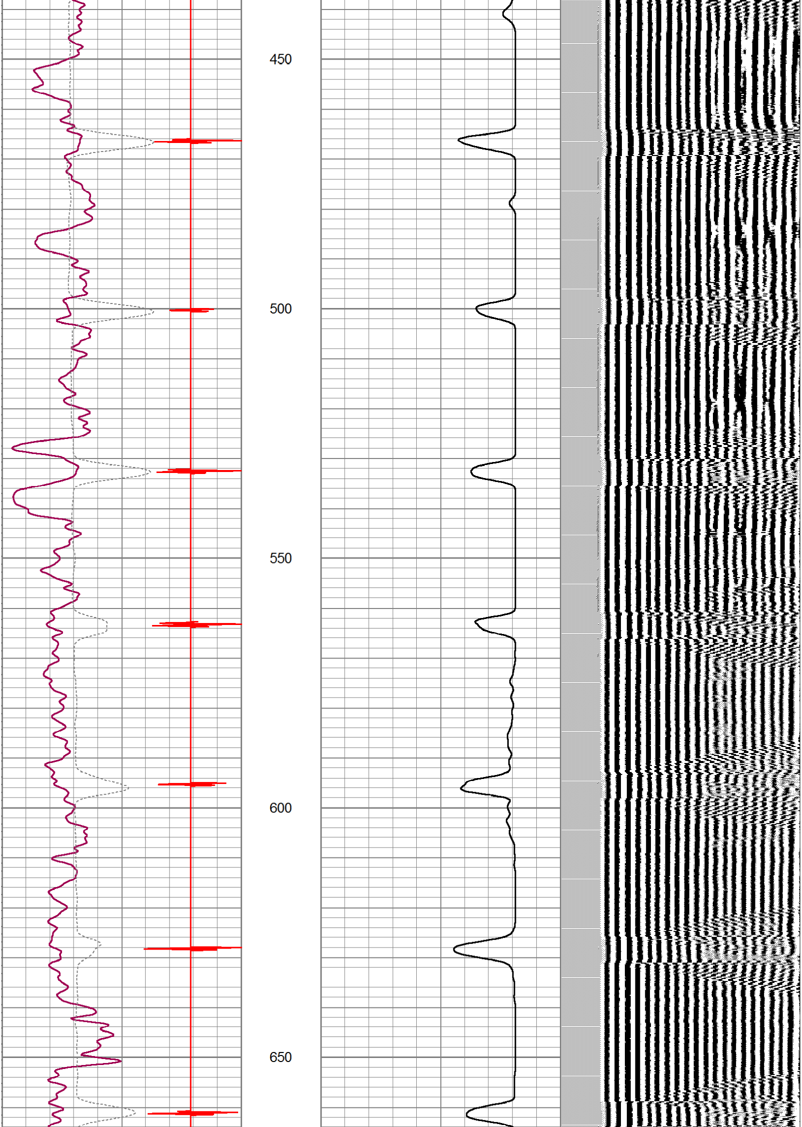
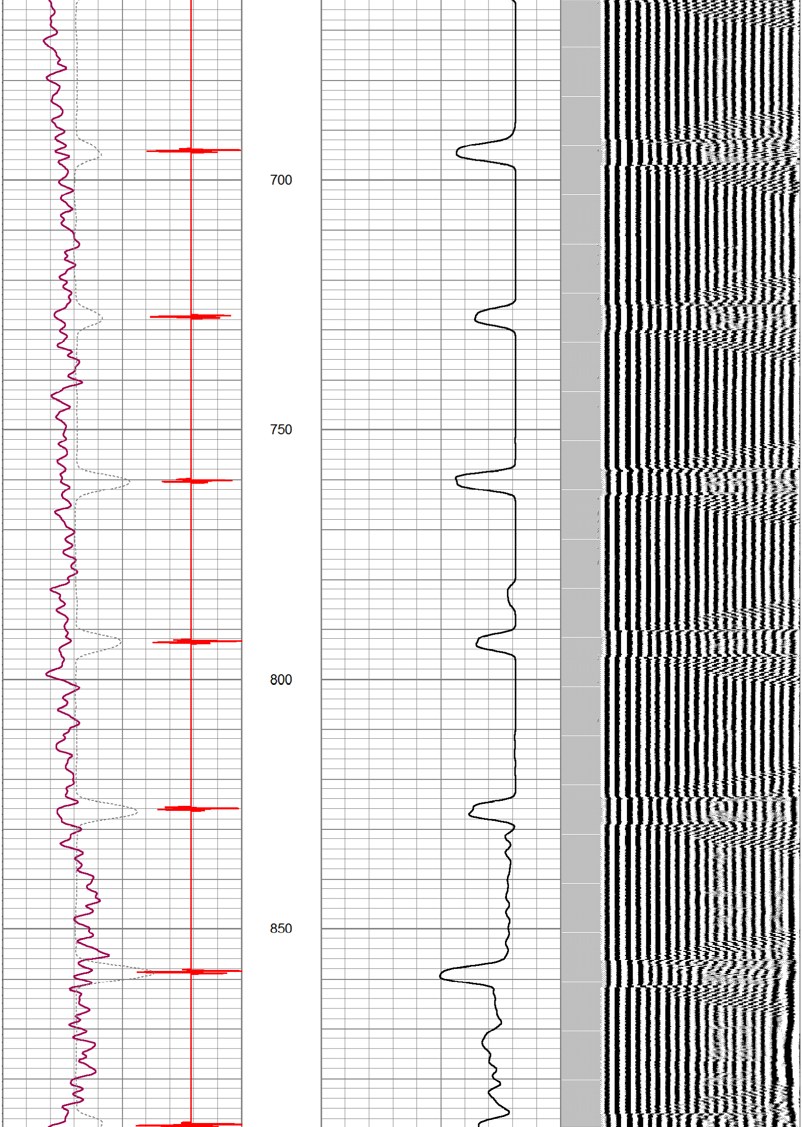
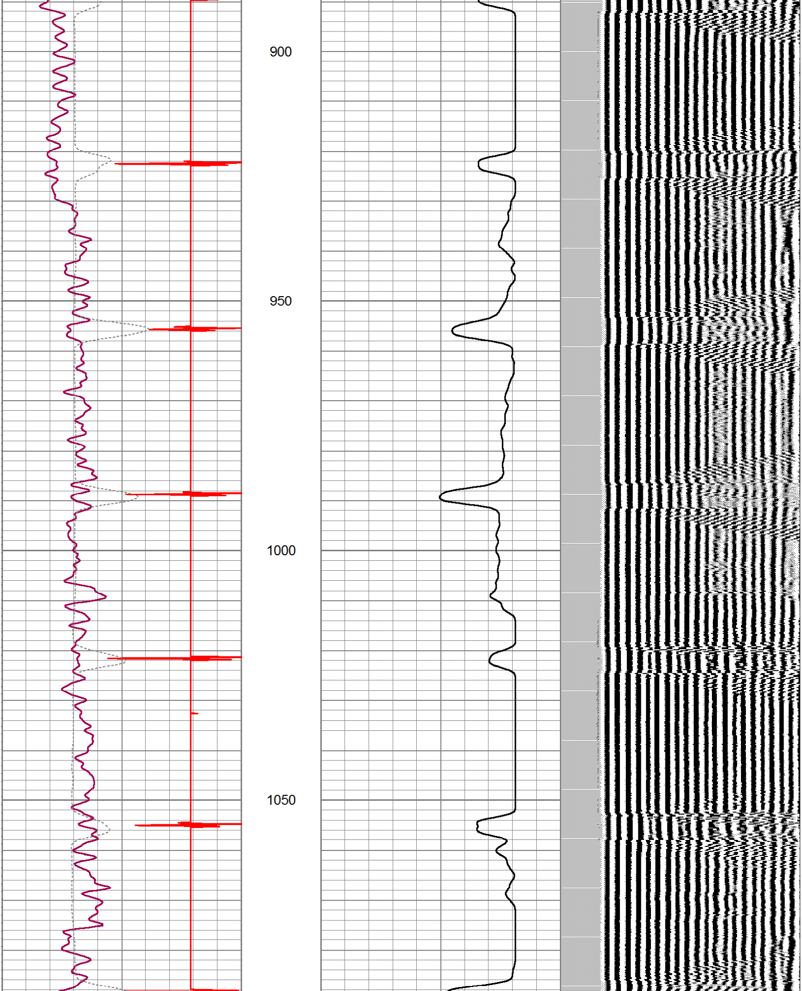
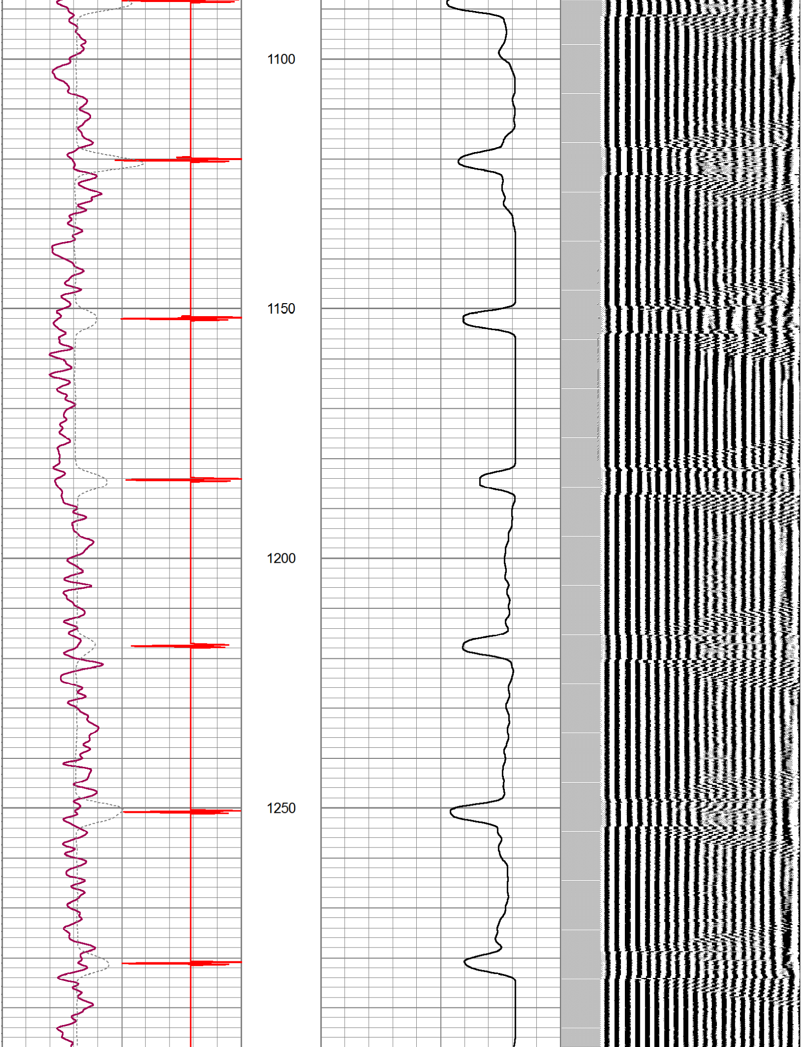
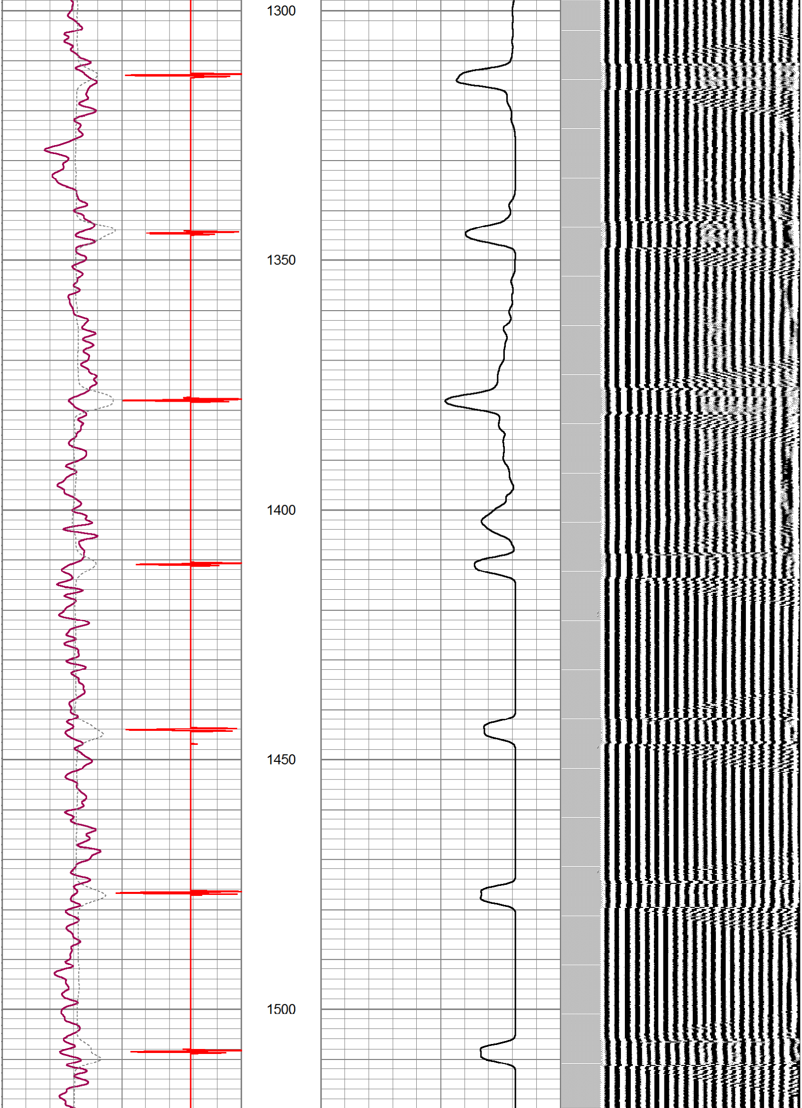
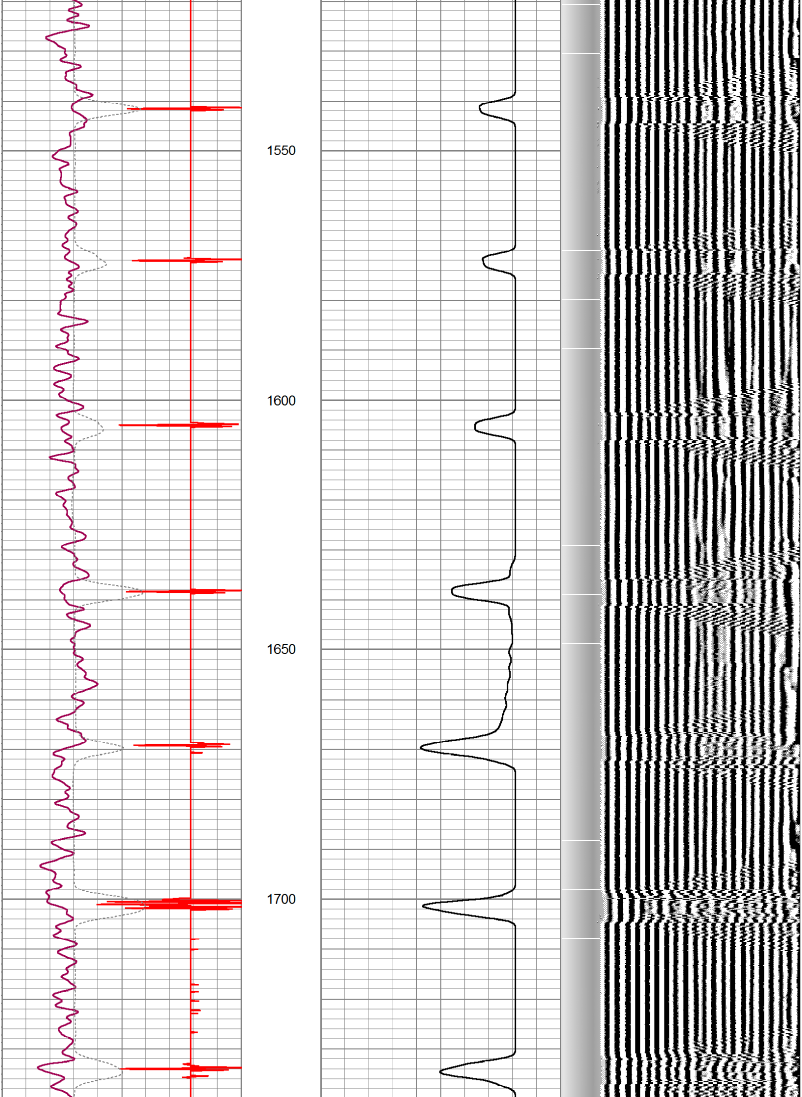
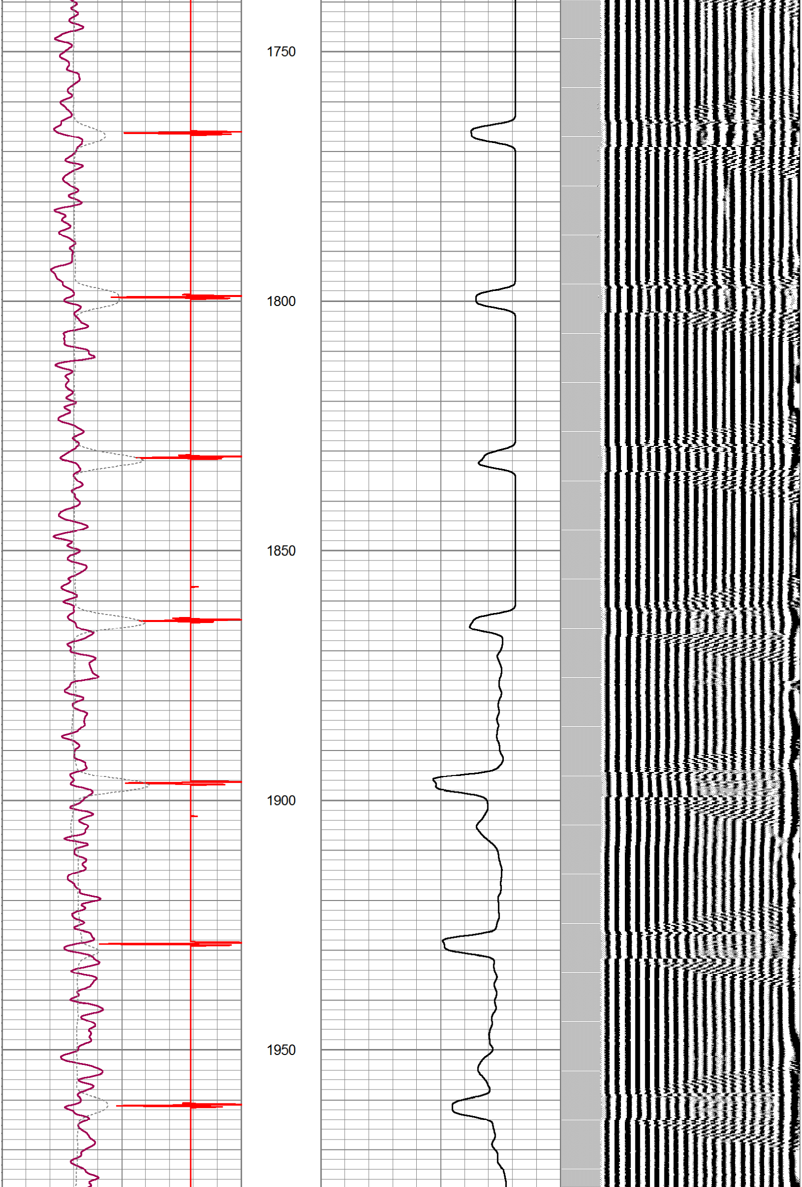
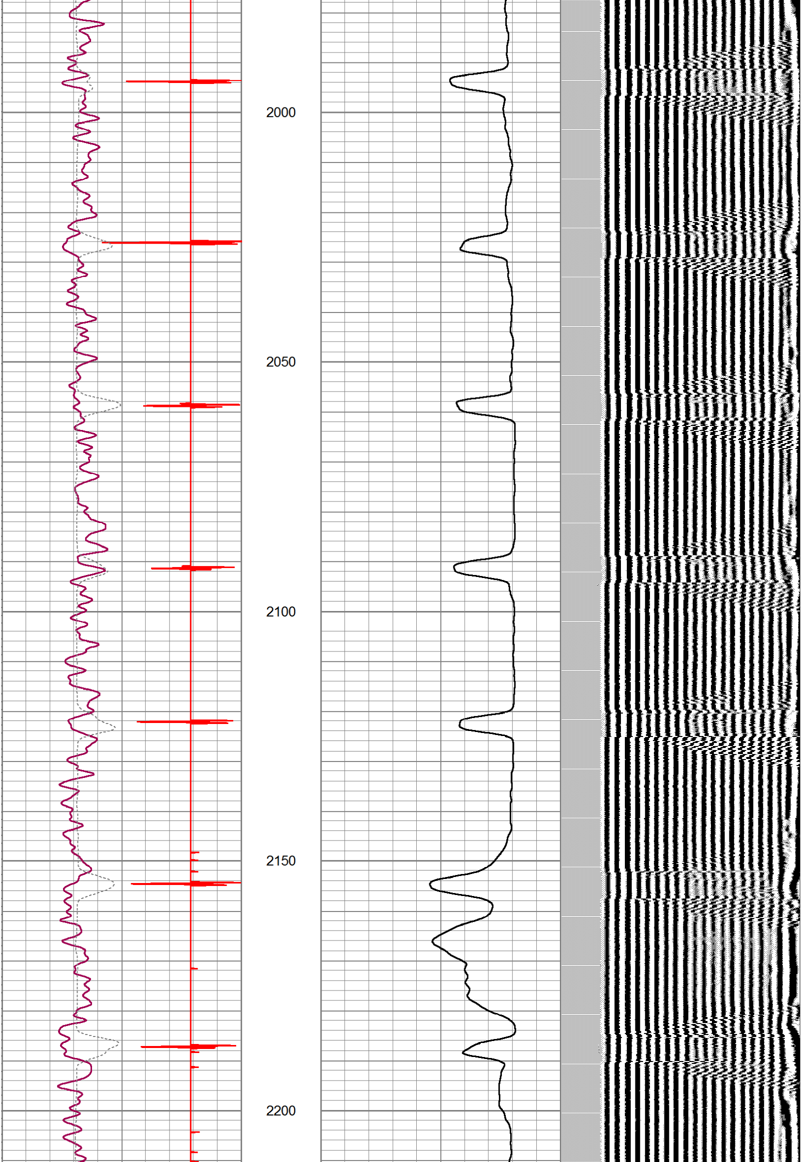
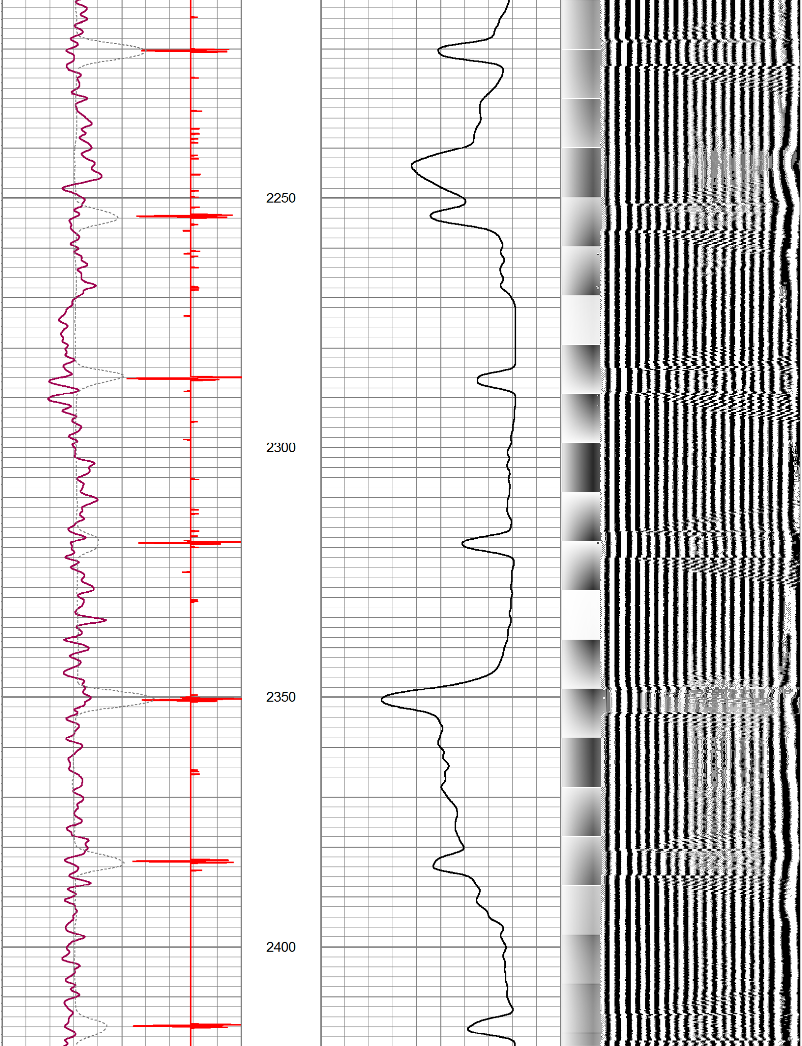
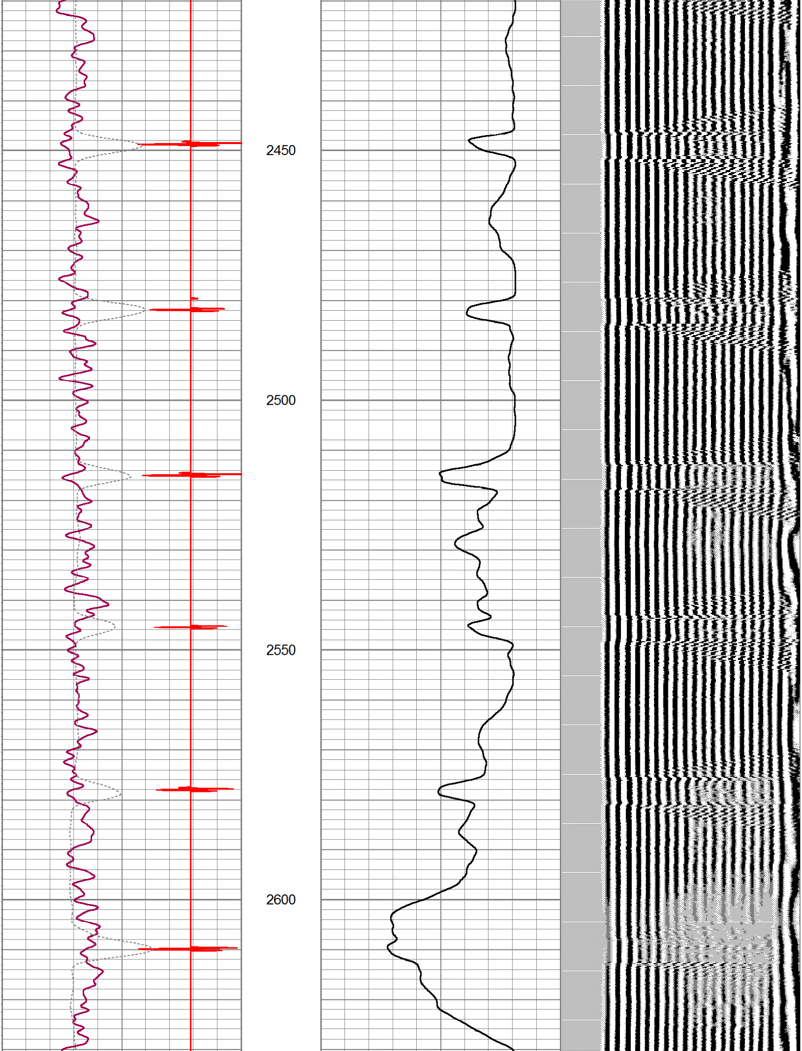
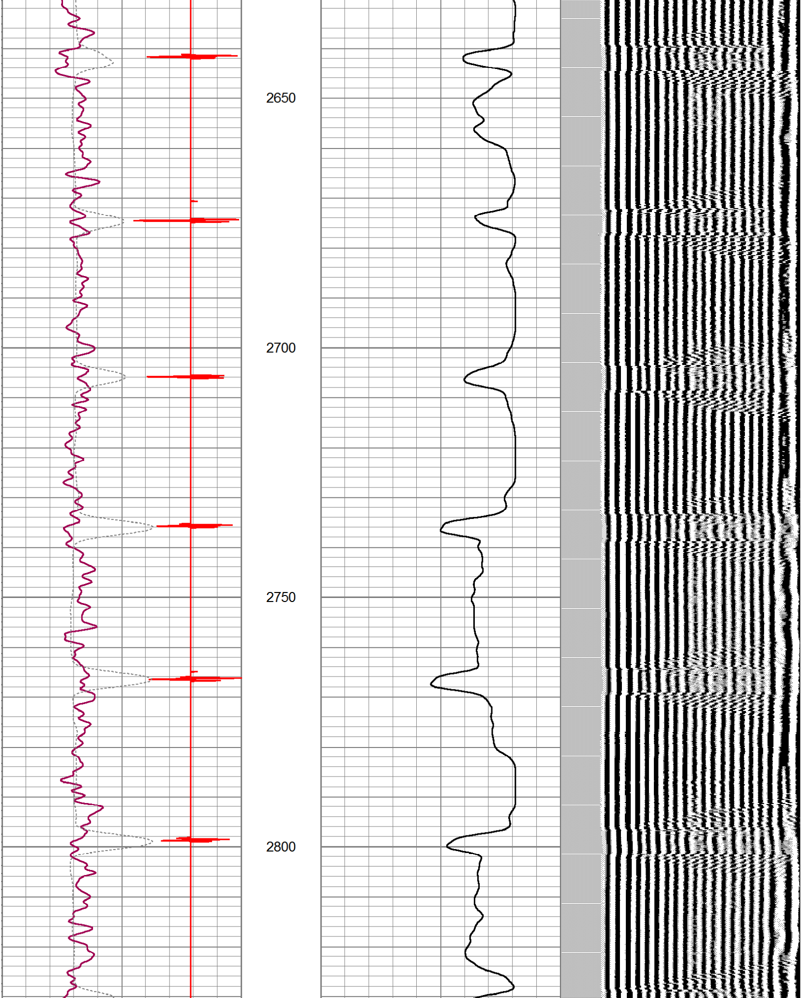
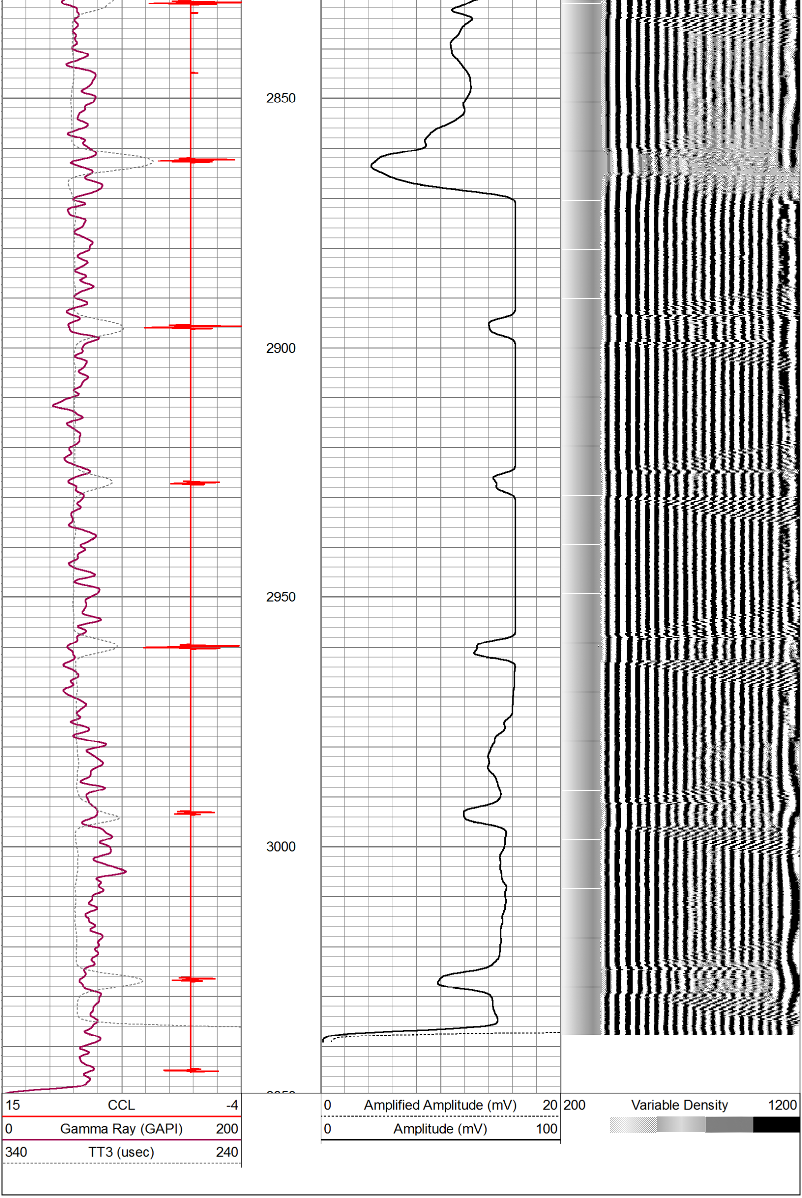
Depth: 1723.41 ft
Casing Diameter: 4.5 in

	3' Spacing	5' Spacing	
Signal Zero:	1	0	mV
Calibrated Amplitude:	81.1961	81.1961	mV
Reading at Signal Zero:	0.00275879	0.0026123	V
Reading in Free Pipe:	2.49878	2.46941	V
Gain:	32.1296	32.9156	
Offset:	0.911361	-0.0859854	

Database File: frisbee#2.db
Dataset Pathname: pass3
Presentation Format: nuexcbl
Dataset Creation: Wed Dec 26 12:52:53 2018 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

15 CCL -4
0 Gamma Ray (GAPI) 200
340 TT3 (usec) 240

0 Amplified Amplitude (mV) 20
0 Amplitude (mV) 100

200 Variable Density 1200
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