



CEMENT BOND LOG WITH GAMMA RAY

MIDWEST WIRELINE

Comp. Castle Resources		Company Castle Resources		
Well Keller #1		Well Keller #1		
Field Marcotte		Field Marcotte		
Co. Rooks		County Rooks		
State Kansas		State Kansas		
Location: API # : 15-163-23786-00-00		Other Services		
Permanent Datum 2050 FNL & 2310 FEL		Elevation		
Log Measured From KB 8' Above Perm. Datum		K.B. 2210		
Drilling Measured From Kelly Bushing		D.F. G.L. 2202		
Date of Service	10/17/2023			
Run Number	One			
Depth Driller or PBTD	3900			
Depth Logger	3801			
Bottom Log Interval	3800			
Top Log Interval	2750			
Open Hole Size	7.875			
Type Fluid	Water			
Fluid Level	Full			
Fluid Density	8.4			
Max. Recorded Temperature	115			
Max. Wellhead Pressure	0			
Wellhead Connection	Mast			
Estimated Cement Top	2870			
Unit Number	18			
Wireline Size	.3125			
Location	Hays			
Recorded By	Justin Trout			
Witnessed By	Jerry Green			
Tubing Record	Size	WFt	Top	Bottom
Surface Casing	8.625	23	0	222
Production Casing	5.5	15.5	0	TD
Liner Record				

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All interpretations are opinions based on inferences from electrical or other measurements and Midwest Wireline LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Midwest Wireline LLC will not 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.

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

North of Ellis to County Line Road,
1 East, 1/2 North East into

THANK YOU FOR USING MIDWEST WIRELINE LLC!

Your Midwest Wireline Crew

Tool Data - Services

Serial Number

Engineer: Justin Trout
Operator:
Operator:
Operator:

Log Variables

DatabaseC:\ProgramData\Warrior\Data\castle resources_keller #1.db
Dataset field/well/CBL/pass4/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 115	CASEOD in 5.5	CASETHCK in 0.275	CASEWGHT lb/ft 15.5	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.08
PERFS 0	PPT usec 0	SRFTEMP degF 80	TDEPTH ft 3801				

Variable Description

BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness

CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude
MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation

PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

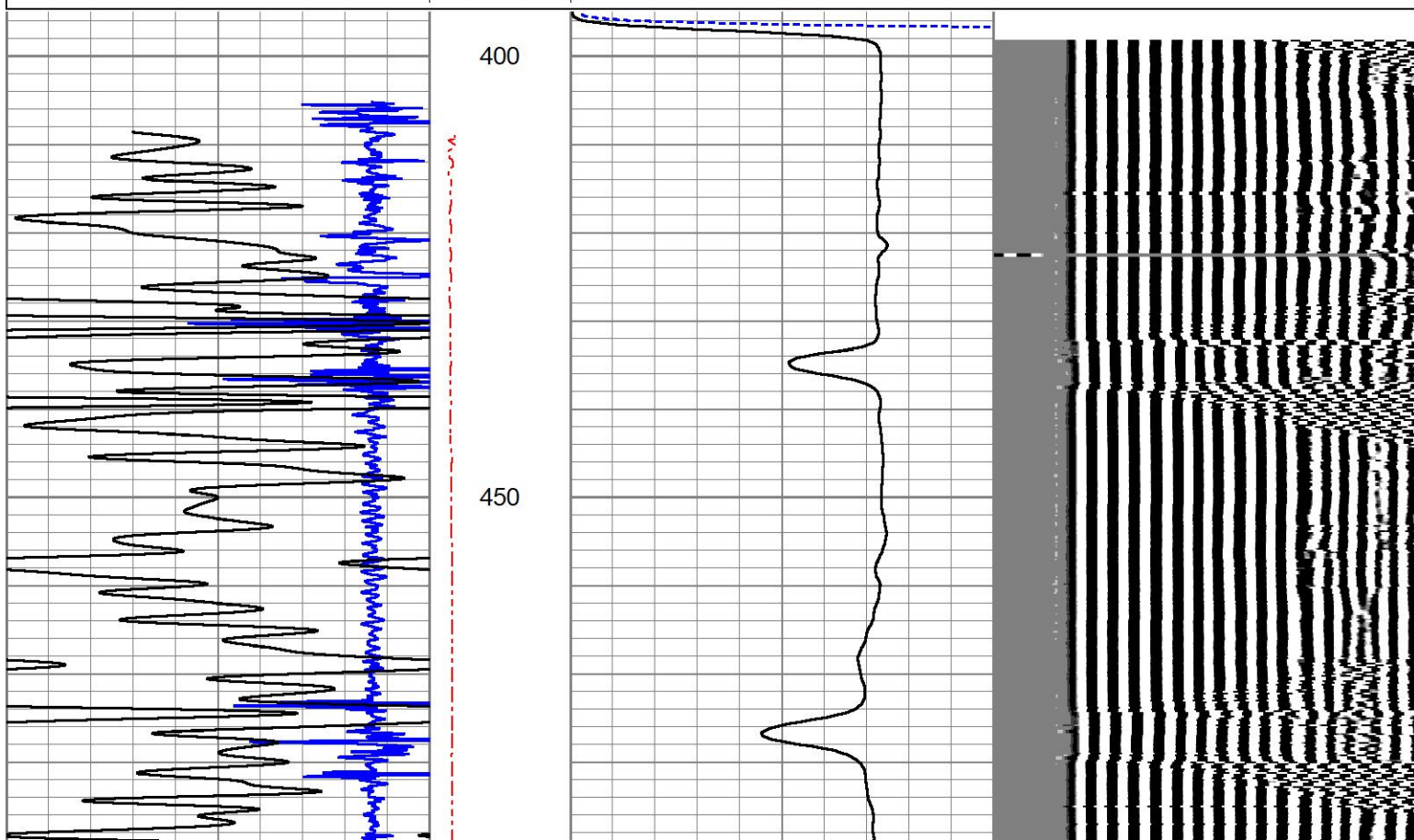


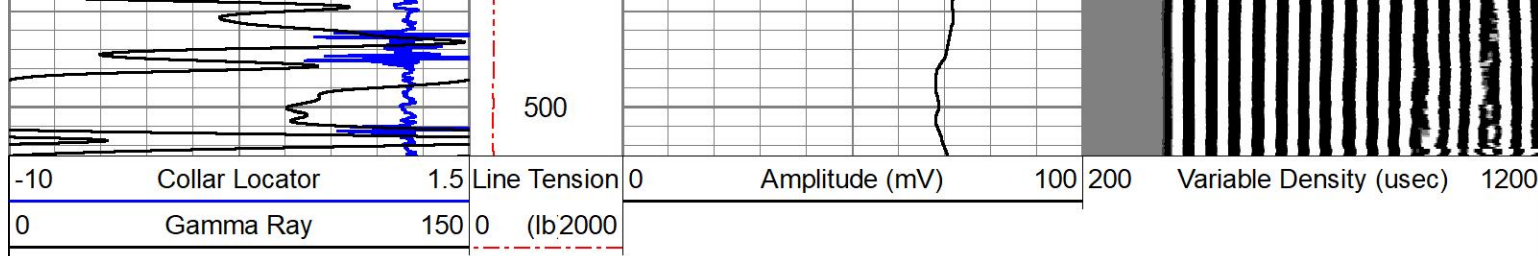
MIDWEST WIRELINE

FREE PIPE SECTION

Database File castle resources_keller #1.db
Dataset Pathname CBL/pass2
Presentation Format pinr_cbl
Dataset Creation Tue Oct 17 16:27:30 2023
Charted by Depth in Feet scaled 1:240

-10	Collar Locator	1.5	Line Tension	0	Amplitude (mV)	100	200	Variable Density (usec)	1200
0	Gamma Ray	150	0 (lb2000)						



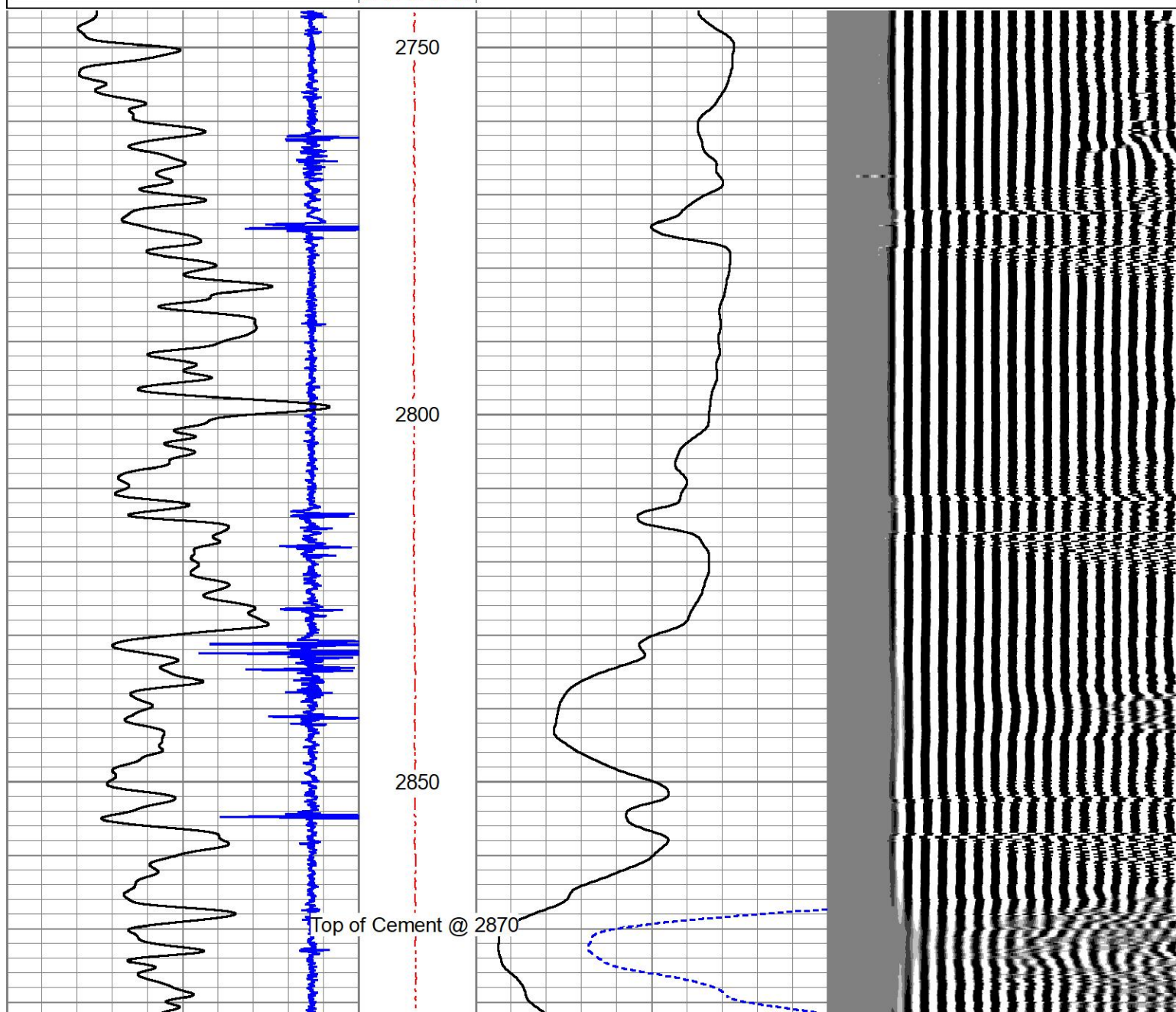
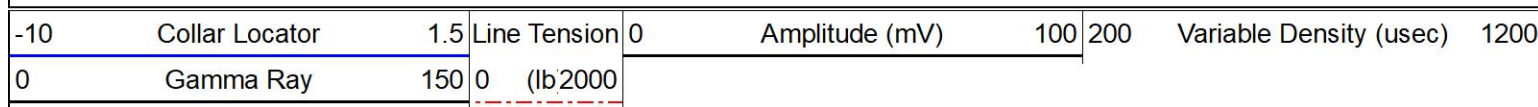


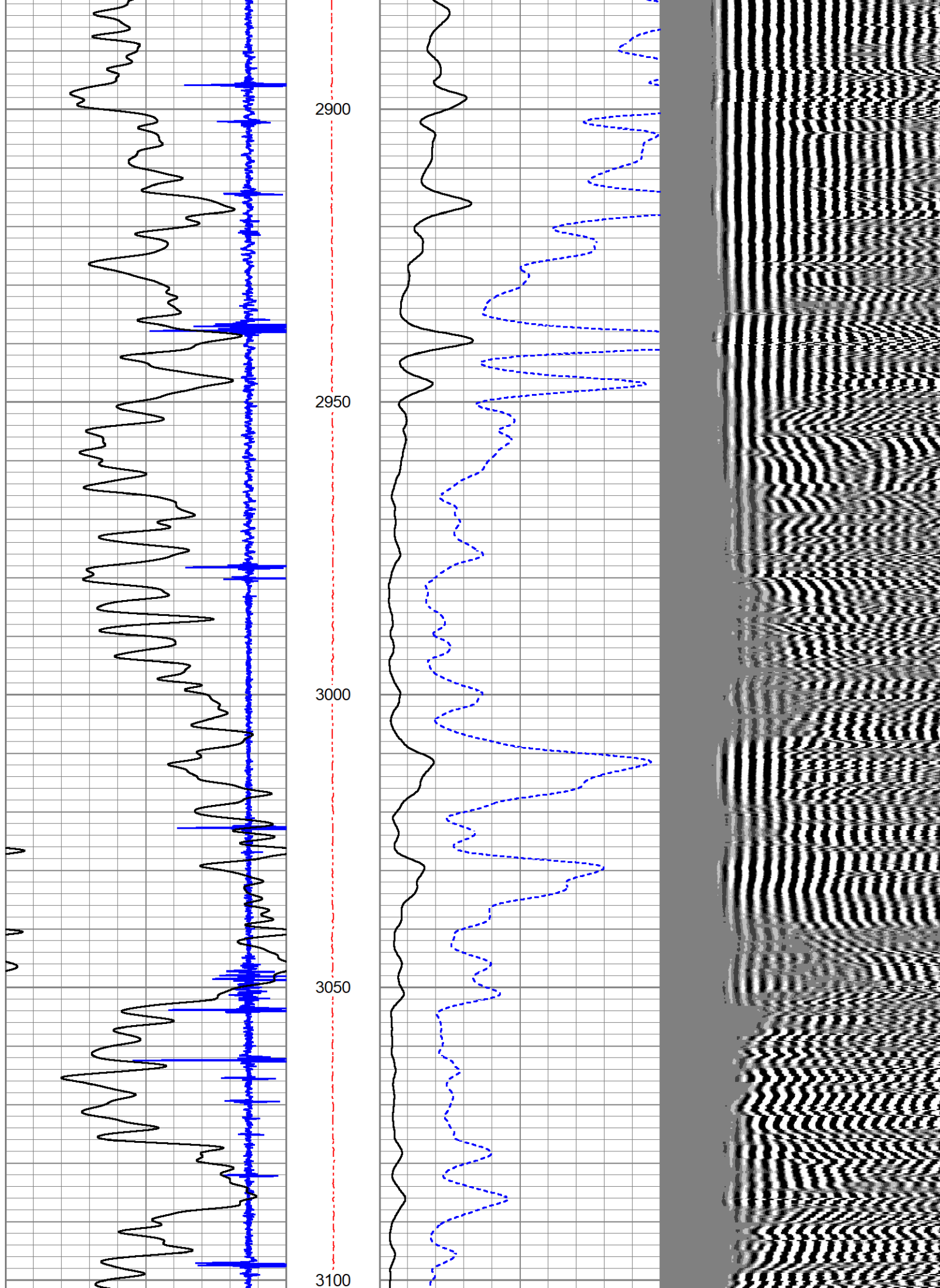
MIDWEST WIRELINE

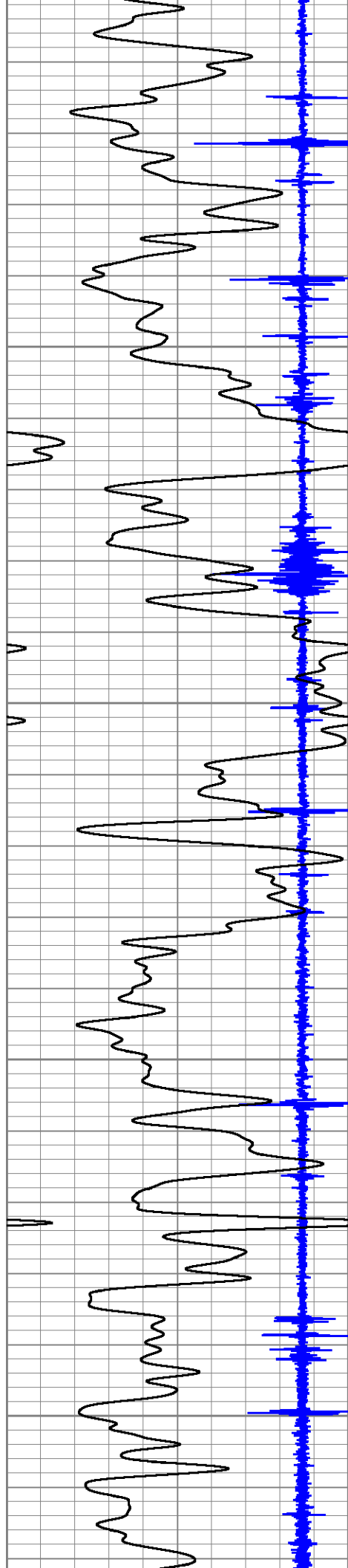
MAIN LOG

ZERO PSI APPLIED AT SURFACE

Database File castle resources_keller #1.db
Dataset Pathname CBL/pass4
Presentation Format pinr_cbl
Dataset Creation Tue Oct 17 16:48:39 2023
Charted by Depth in Feet scaled 1:240





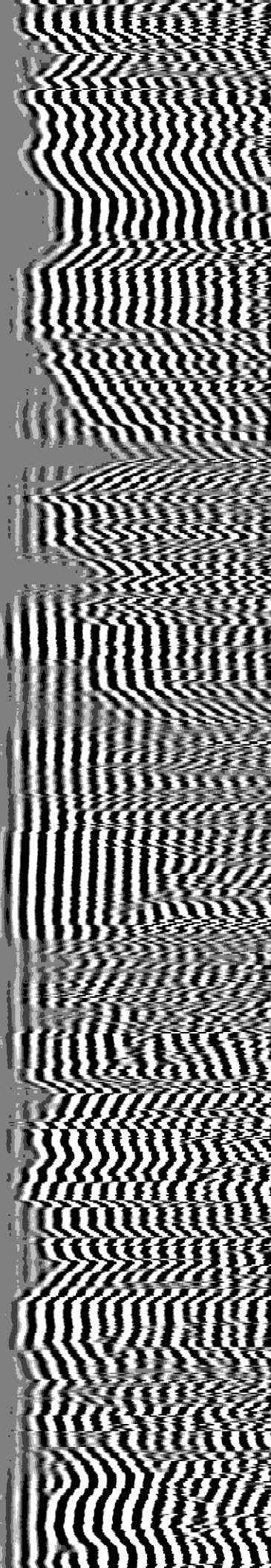
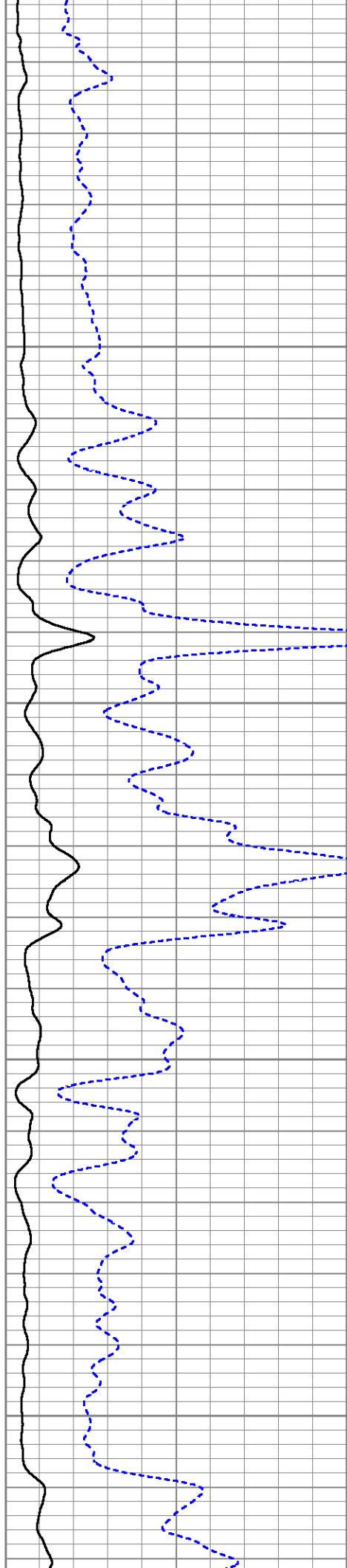


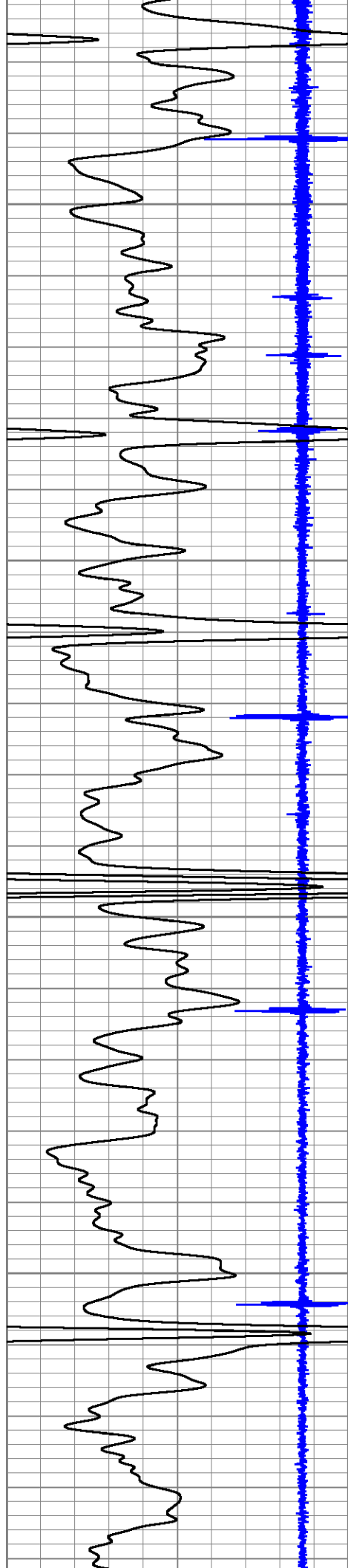
3150

3200

3250

3300



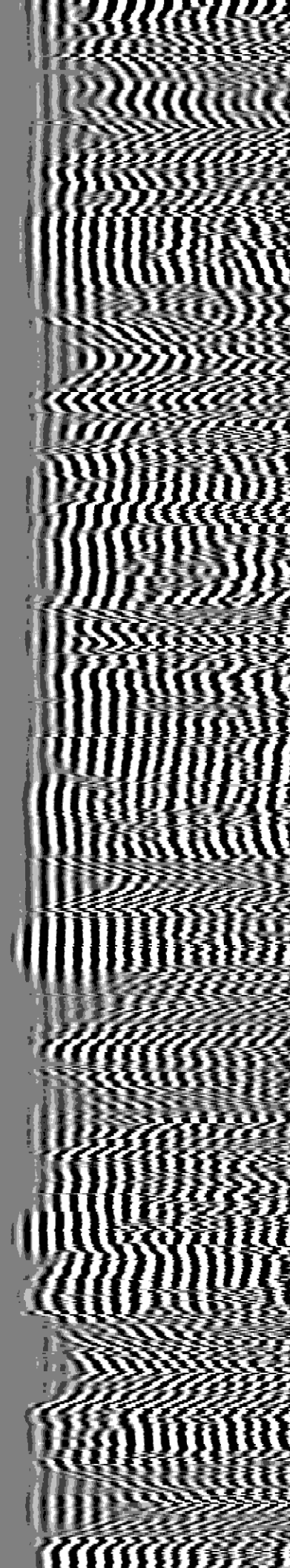
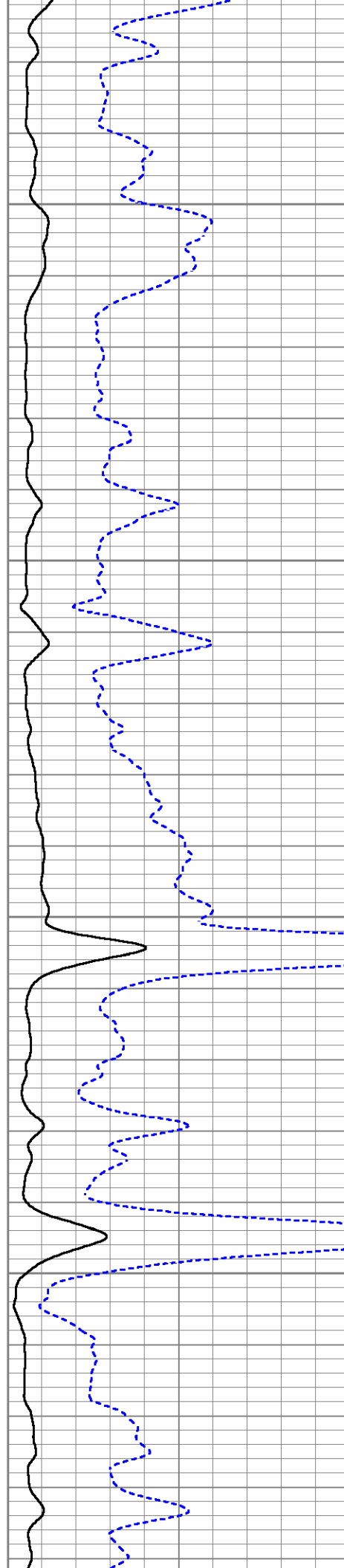


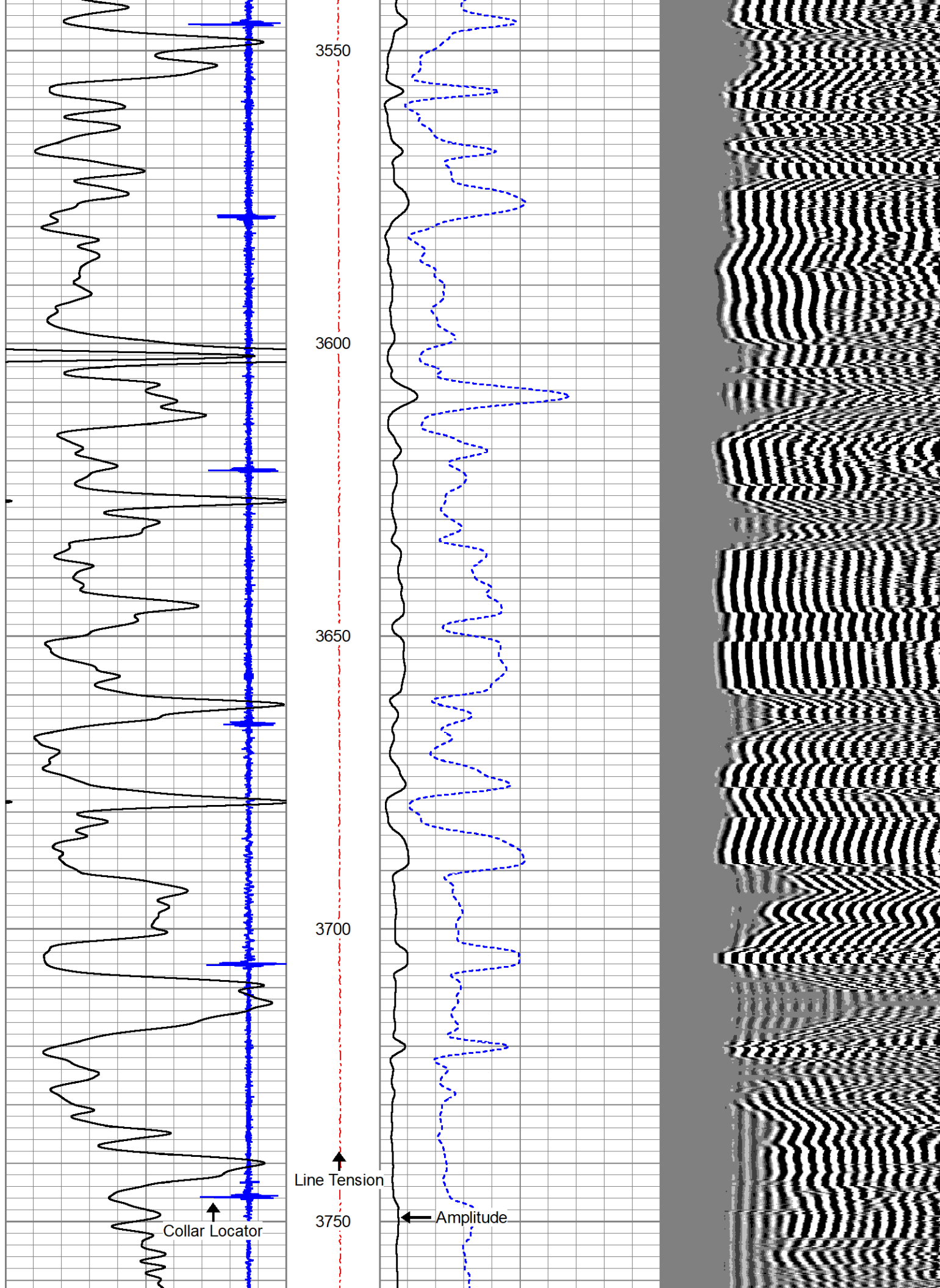
3350

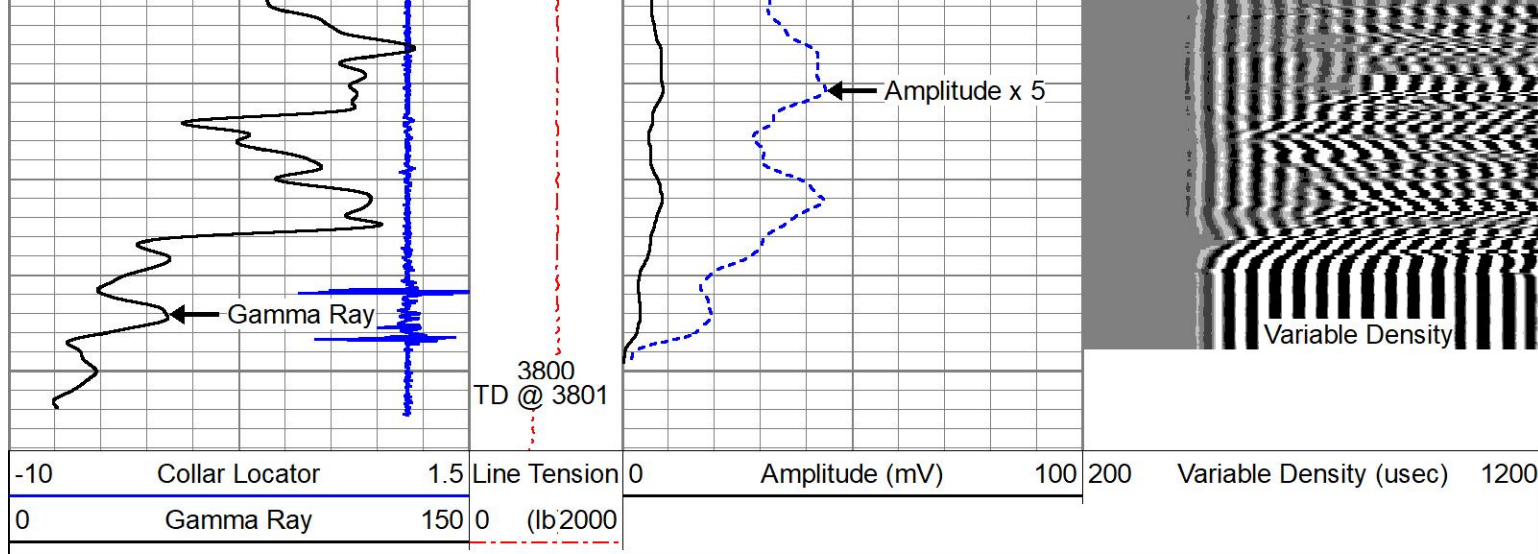
3400

3450

3500





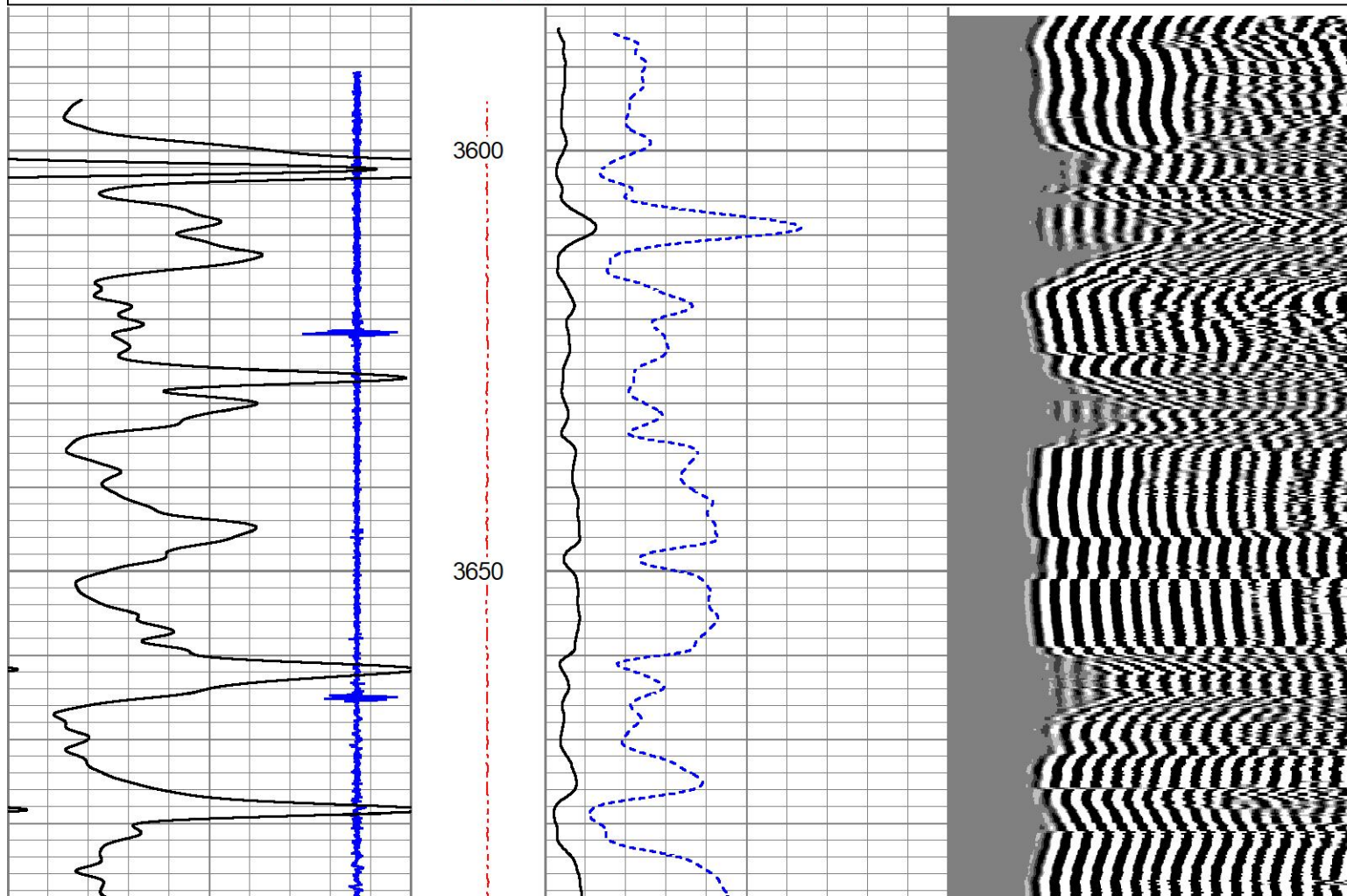
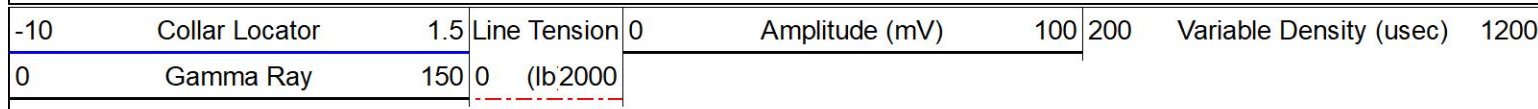


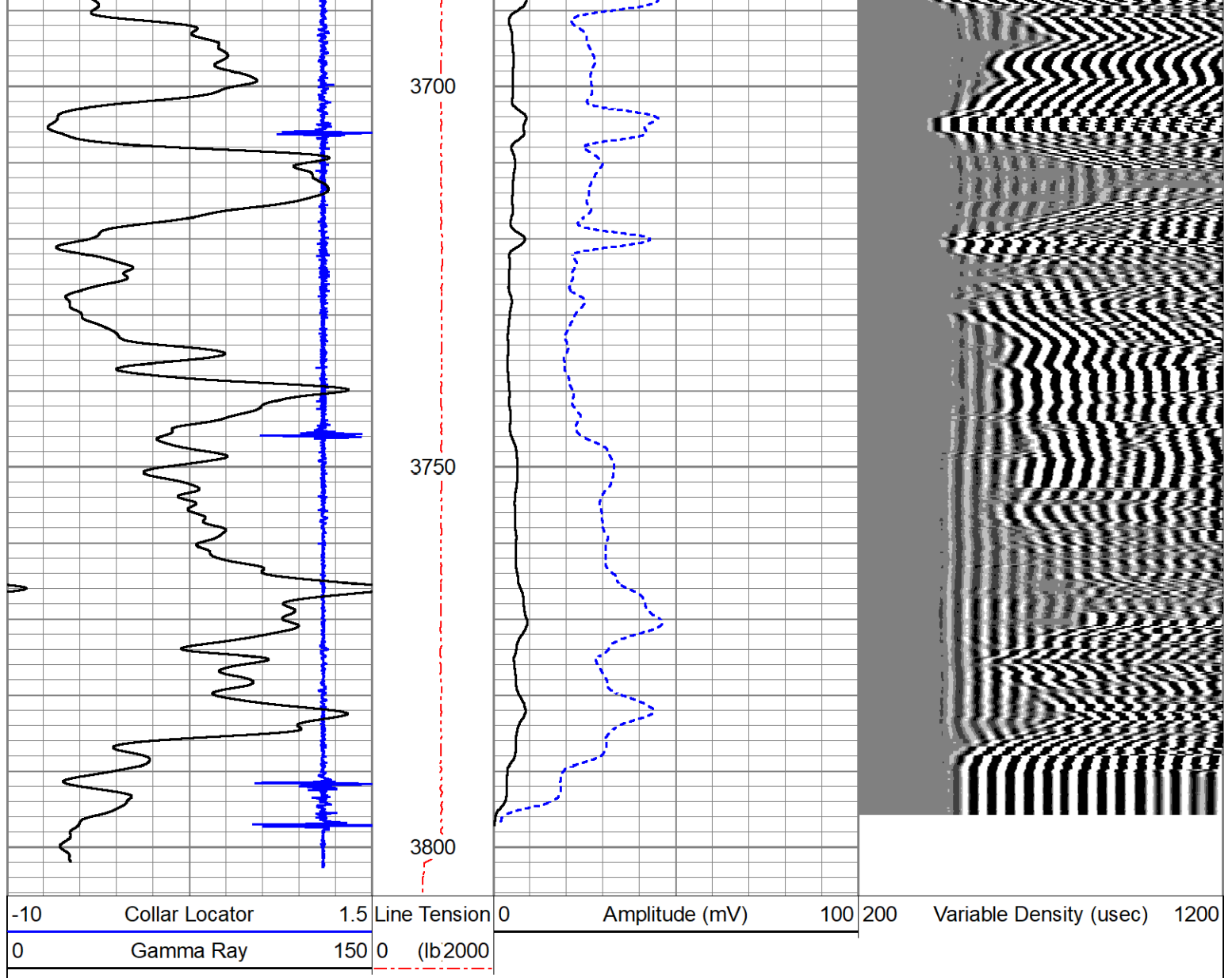
MIDWEST WIRELINE

REPEAT SECTION

ZERO PSI APPLIED AT SURFACE

Database File castle resources_keller #1.db
 Dataset Pathname CBL/pass3
 Presentation Format pinr_cbl
 Dataset Creation Tue Oct 17 16:41:04 2023
 Charted by Depth in Feet scaled 1:240





Calibration Report

Gamma Ray Calibration Report

Calibrator Value: 1.0

Sensitivity: 1.0000 /cps

Master Calibration, performed Tue Oct 17 16:22:30 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	2.048	0.700	71.921	34.919	0.405
CAL	0.009	2.499				
5'	0.008	1.756	0.700	71.921	40.759	0.369
SUM						
S1	0.008	1.872	0.000	100.000	53.659	-0.450
S2	0.008	1.955	0.000	100.000	51.375	-0.433
S3	0.008	2.029	0.000	100.000	49.480	-0.419
S4	0.009	2.091	0.000	100.000	48.027	-0.413
S5	0.009	2.099	0.000	100.000	47.846	-0.412
S6	0.008	2.069	0.000	100.000	48.528	-0.412
S7	0.008	1.978	0.000	100.000	50.769	-0.430
S8	0.008	1.828	0.000	100.000	54.953	-0.452

Air Zero Calibration, performed Mon Oct 24 11:29:00 2022:

	Raw (v)		Calibrated (v)		Results
	Zero		Zero		Offset
3'	0.000		0.000		0.000
5'	0.000		0.000		0.000
SUM					
S1	0.000		0.000		0.000
S2	0.000		0.000		0.000
S3	0.000		0.000		0.000
S4	0.000		0.000		0.000
S5	0.000		0.000		0.000
S6	0.000		0.000		0.000
S7	0.000		0.000		0.000
S8	0.000		0.000		0.000



Company Castle Resources
 Well Keller #1
 Field Marcotte
 County Rooks
 State Kansas