



CEMENT BOND LOG WITH GAMMA RAY

MIDWEST WIRELINE

Comp. Shakespeare Oil Company, Inc.
Well Cale #3-27
Field Cale
Co. Gove
State Kansas

Company **Shakespeare Oil Company, Inc.**
Well **Cale #3-27**
Field **Cale**
County **Gove** State **Kansas**

Location: API # : 15-063-22412-00-00
1940 FNL & 1965 FEL
SW-NE-SW-NE
SEC 27 TWP 11S RGE 31W
Permanent Datum Ground Level Elevation 2919
Log Measured From KB 11 Above Perm. Datum
Drilling Measured From KB
Perforate
Elevation
K.B. 2930
D.F.
G.L. 2919

Date of Service	8/16/2022		
Run Number	One		
Depth Driller or PBTD	2455		
Depth Logger	2400		
Bottom Log Interval	2398		
Top Log Interval	0		
Open Hole Size	7.875		
Type Fluid	Water		
Fluid Level	Full		
Fluid Density	8.0		
Max. Recorded Temperature	95		
Max. Wellhead Pressure	00		
Wellhead Connection	00		
Estimated Cement Top	Surface		
Unit Number	18		
Wireline Size	.288		
Location	Hays		
Recorded By	C McLaughlin		
Witnessed By	Brian Cable		
	Size	Wt/Ft	Top
Tubing Record			Bottom
Surface Casing	8.625	23	0
Production Casing	5.5	15.5	0
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.
I-70 and Campus exit, 2.5 South, 1 West,
South into

THANK YOU FOR USING MIDWEST WIRELINE LLC!

Your Midwest Wireline Crew

Engineer:
Operator: C McLaughlin
Operator: J Rome
Operator:

Tool Data - Services

Serial Number

Company	Offset (ft)	Depth (ft)	Description	Length (ft)	O.D. (in)	Weight (lb)
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DatabaseC:\ProgramData\Warrior\Data\shakespeare_ale2-7.db
Dataset field/well/run1/pass3/ vars

Top - Bottom

BOREID in 7.875	BOTTEMP degF 90	CASEOD in 5.5	CASETHCK in 0	CASEWGHT lb/ft 15.5	MAXAMPL mV 0	MINAMPL mV 1	MINATTN db/ft 0.08
PERFS 0	PPT usec 0	SRFTEMP degF 78	TDEPTH ft 2400				

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



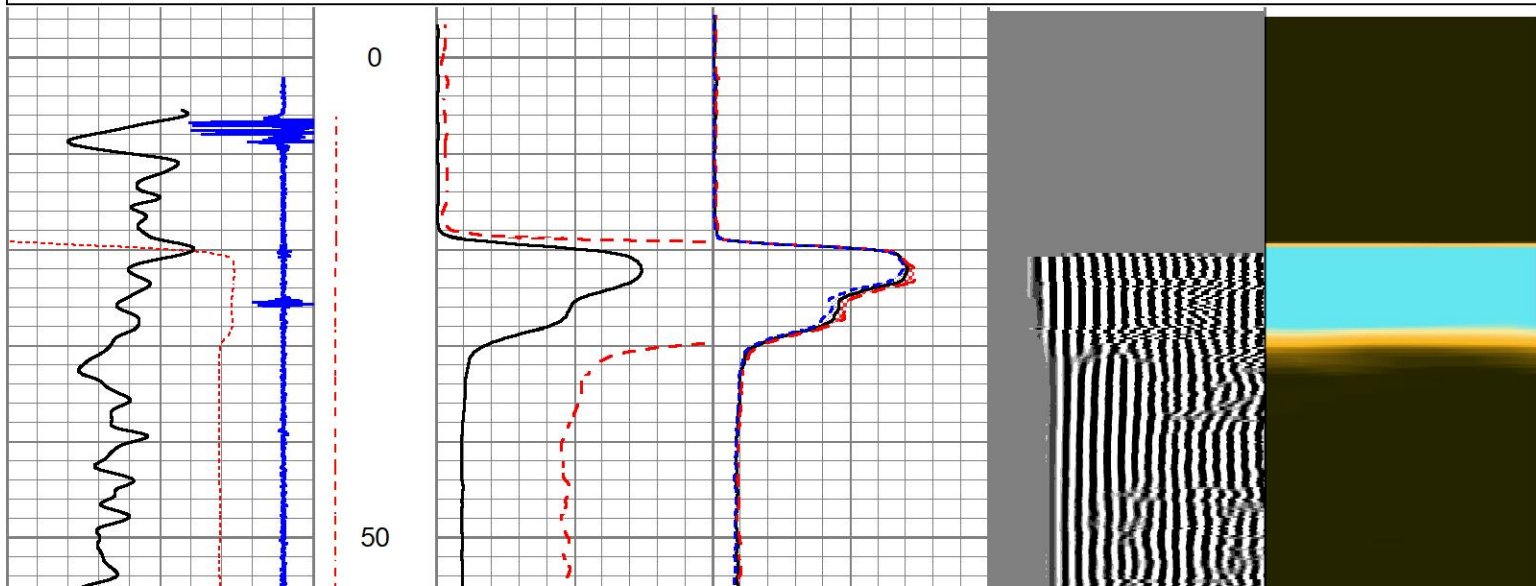
MIDWEST WIRELINE

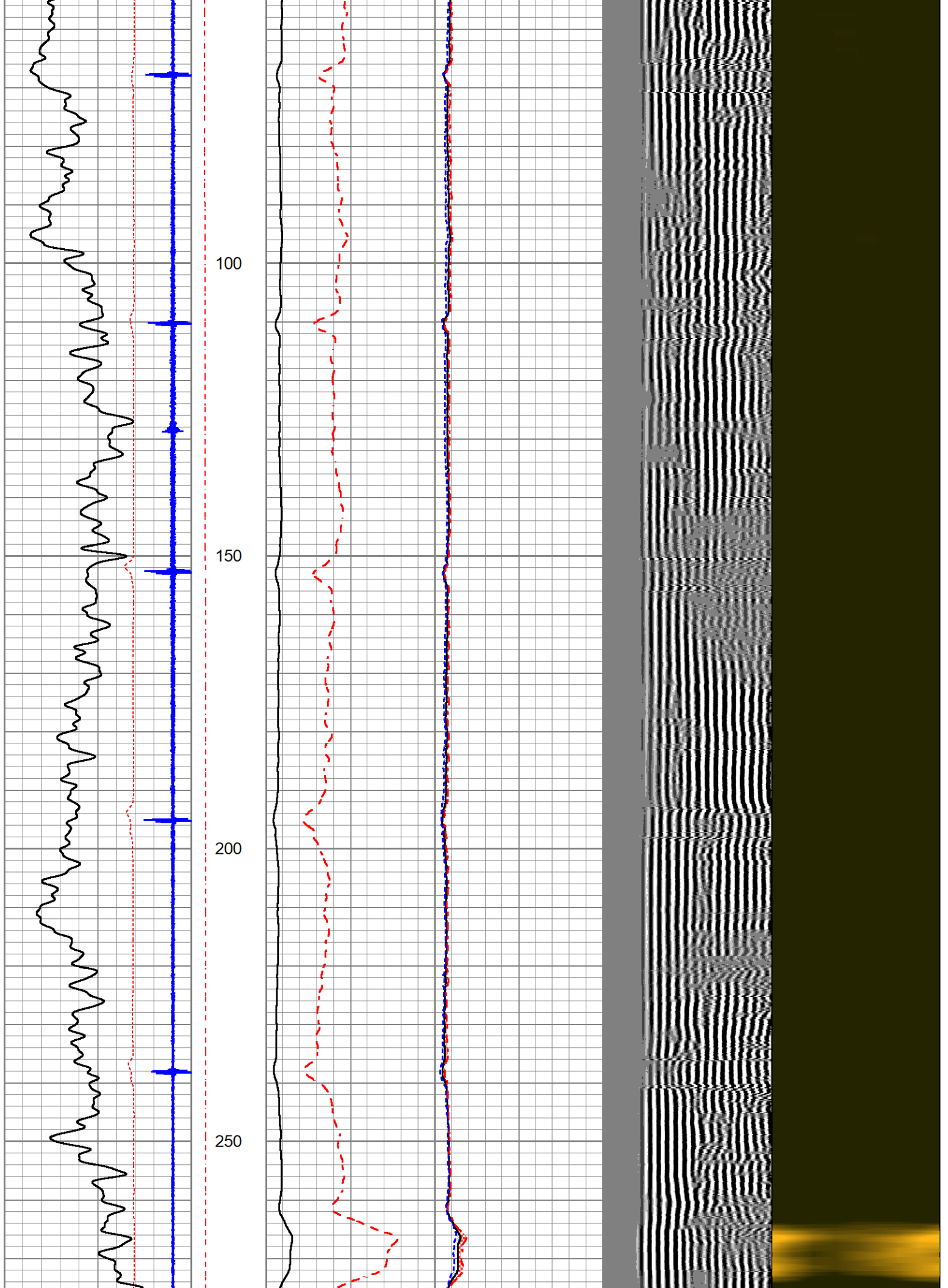
MAIN LOG

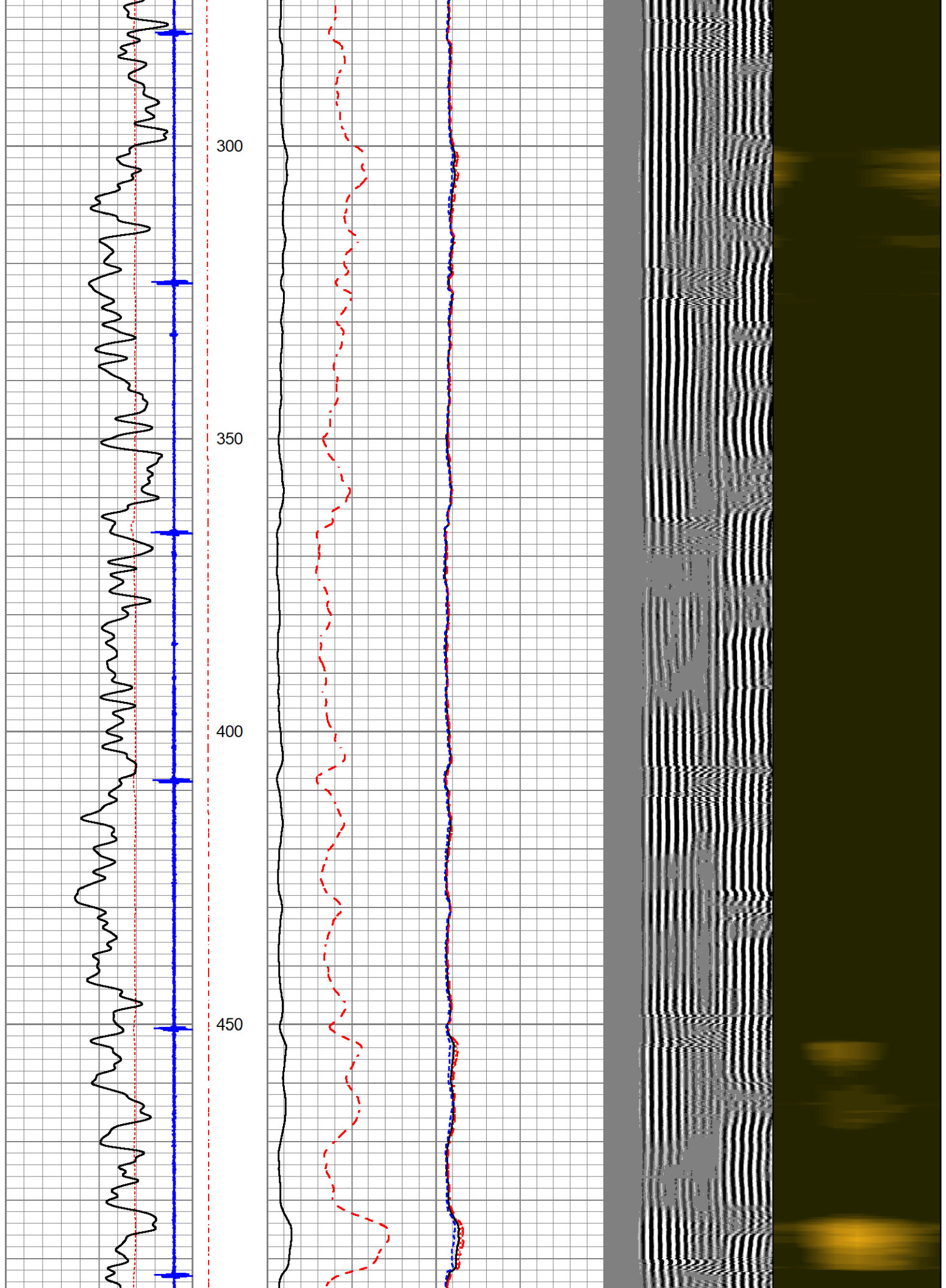
Zero PSI APPLIED AT SURFACE

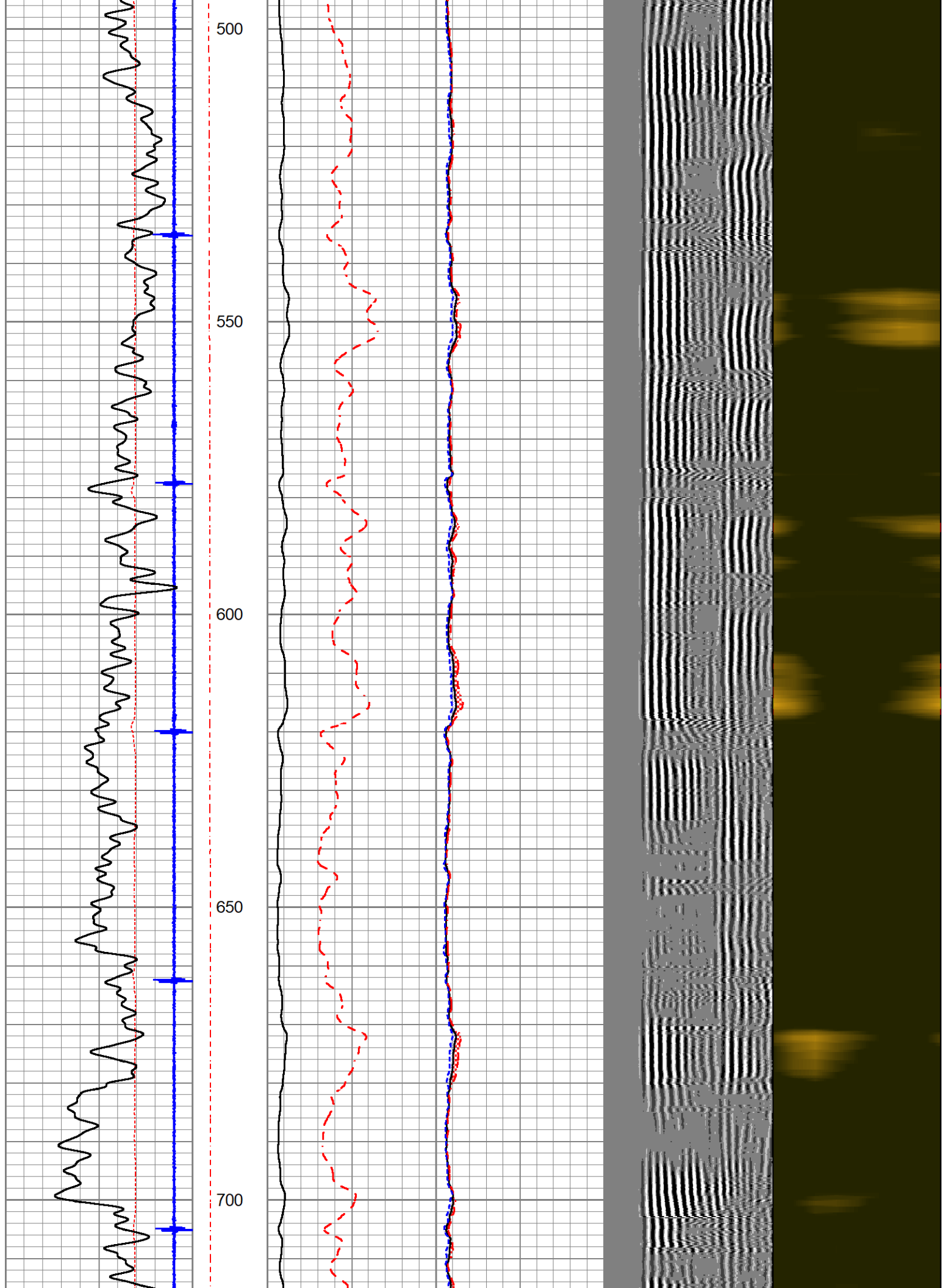
Database File	shakespeare_cale2-7.db
Dataset Pathname	pass3
Presentation Format	pinr_scbl
Dataset Creation	Tue Aug 16 13:17:30 2022
Charted by	Depth in Feet scaled 1:240

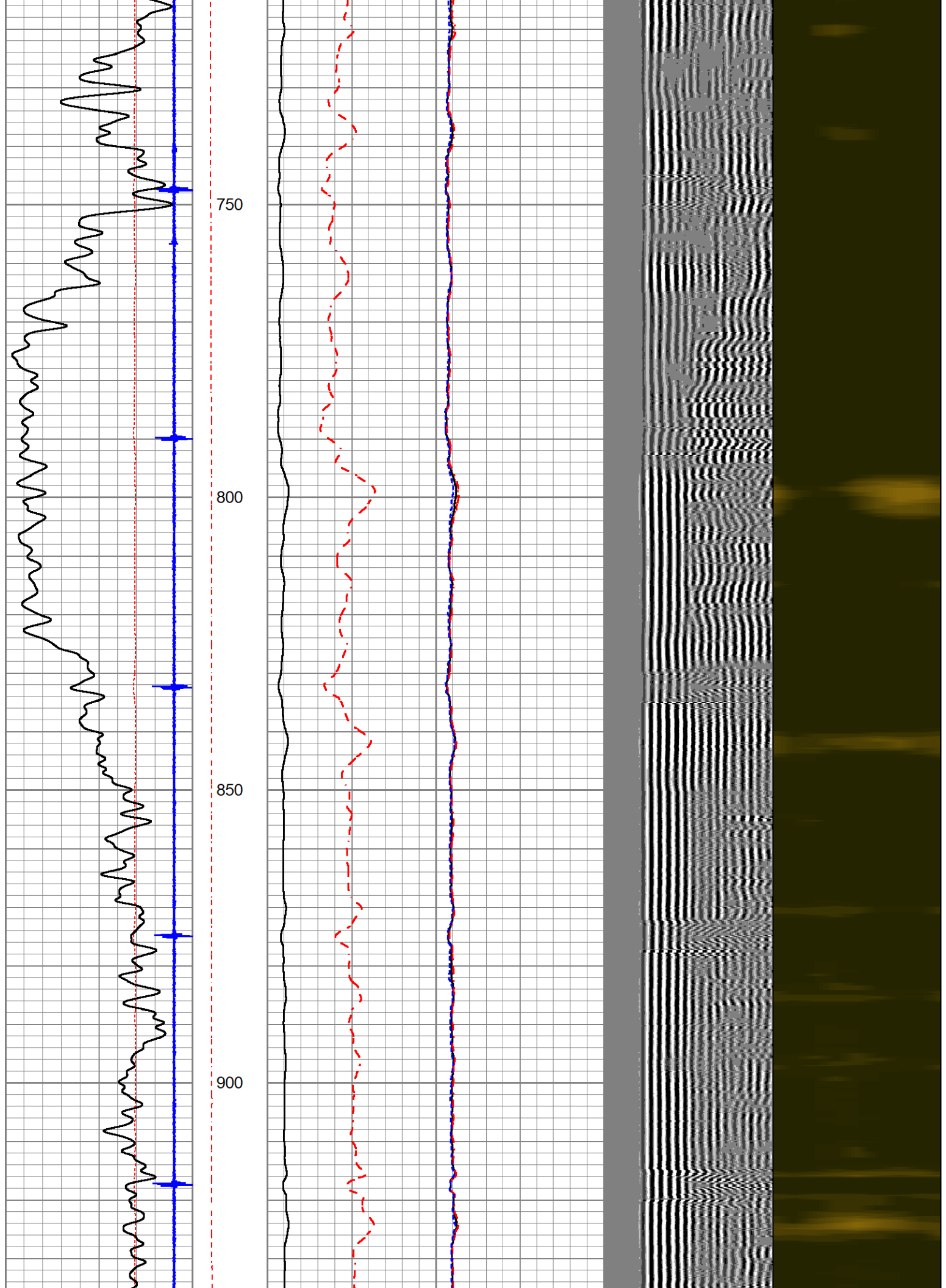
3' Travel Time			Line Tension	3' Amplitude (mV)		Sector Amplitude Average	200 VDL (usec) 1200	1	Sector Map	8
1000	(usec)	0	0		100	0				
9	Collar Locator	-1		3' Amplified Amplitude X 5		0				
0	Gamma Ray	150		0	20					
						0				
						0				
						0				

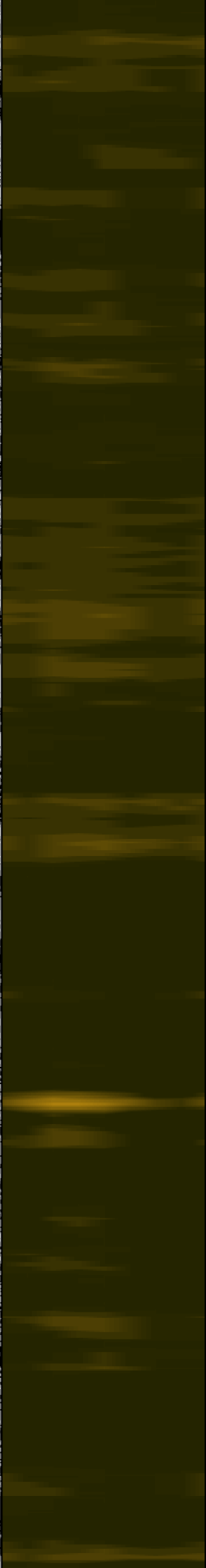
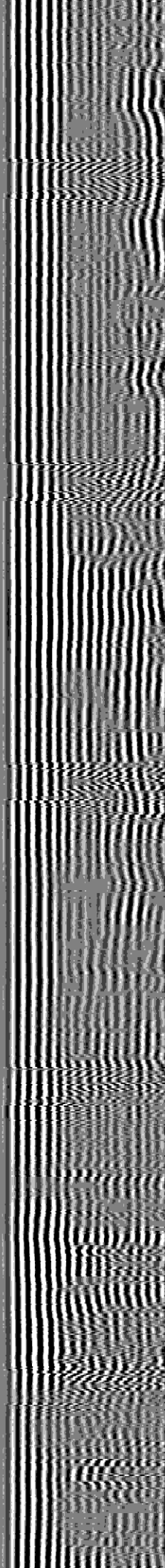
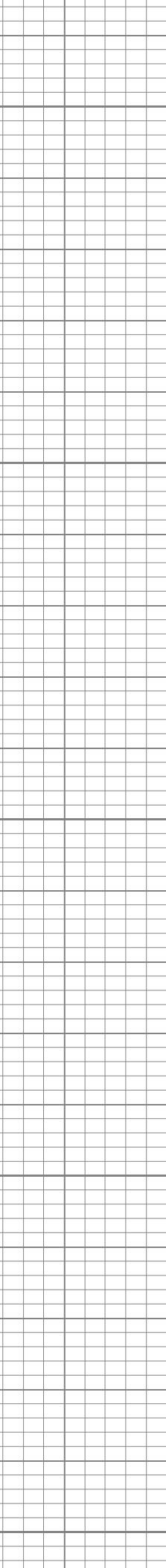
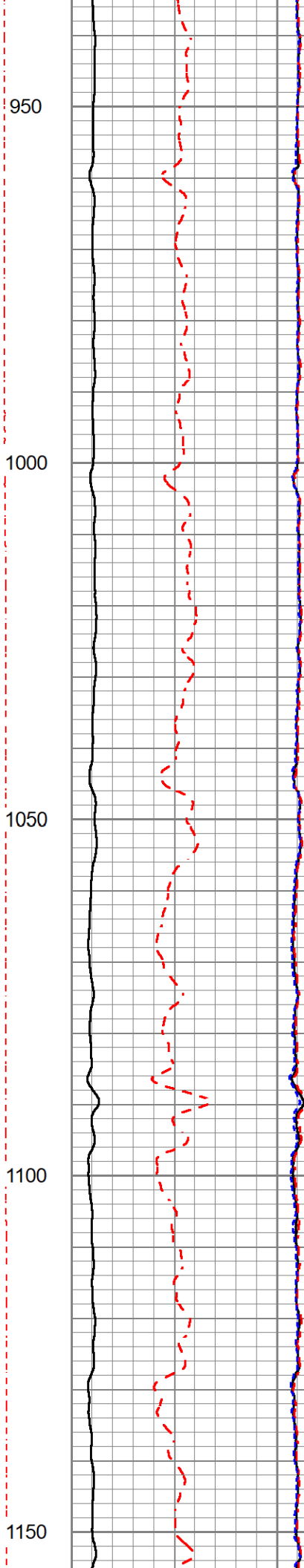
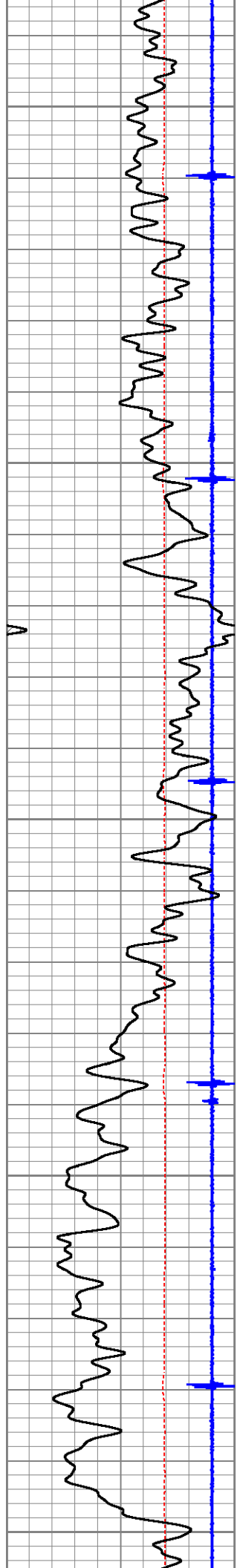


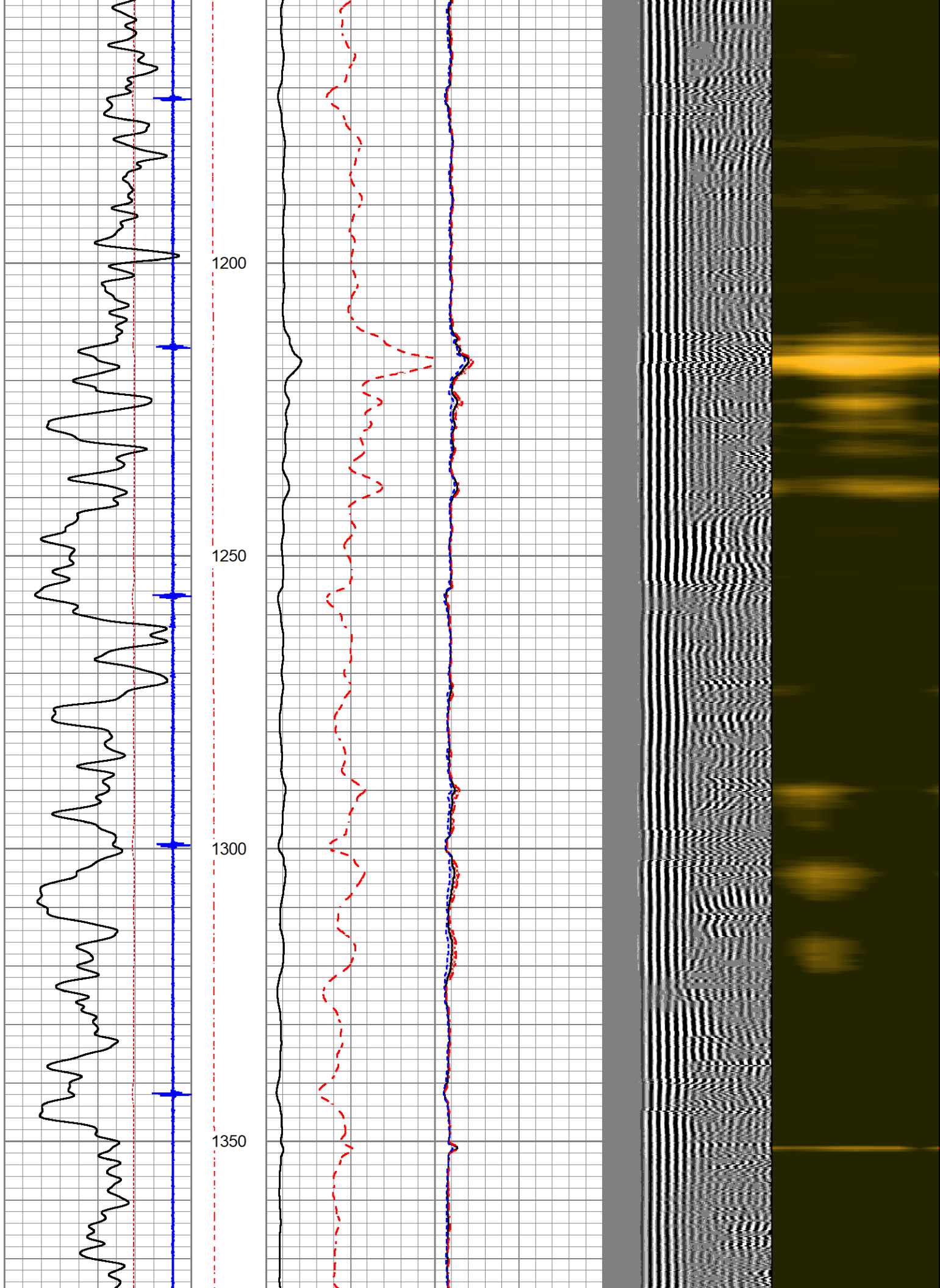


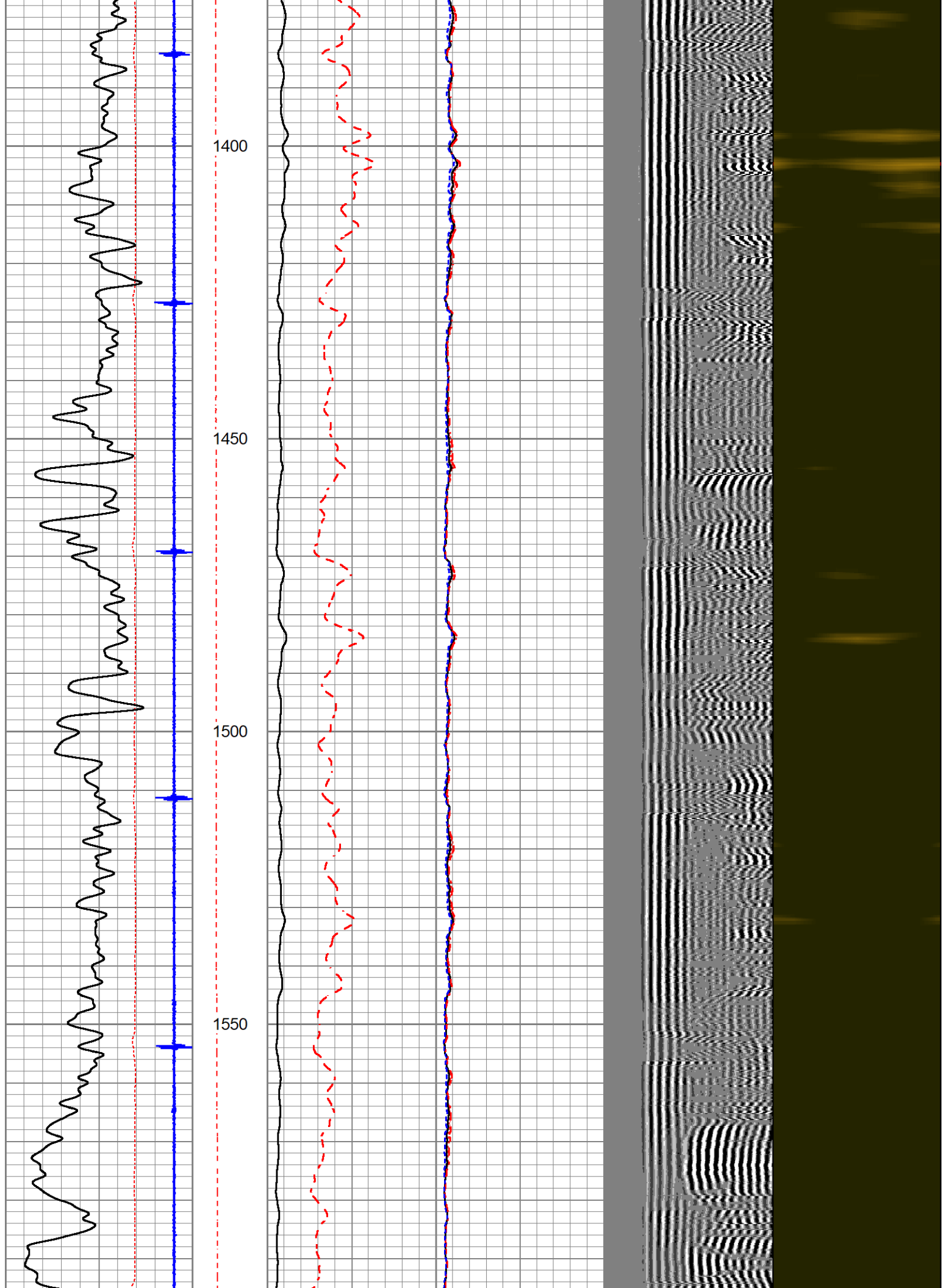


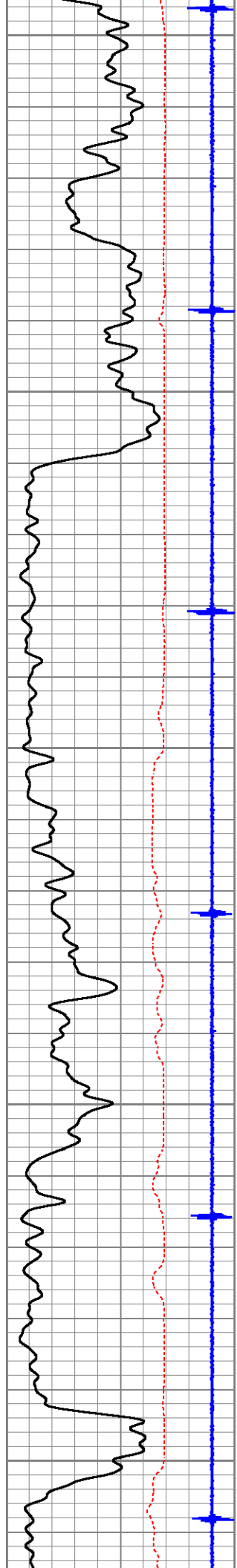




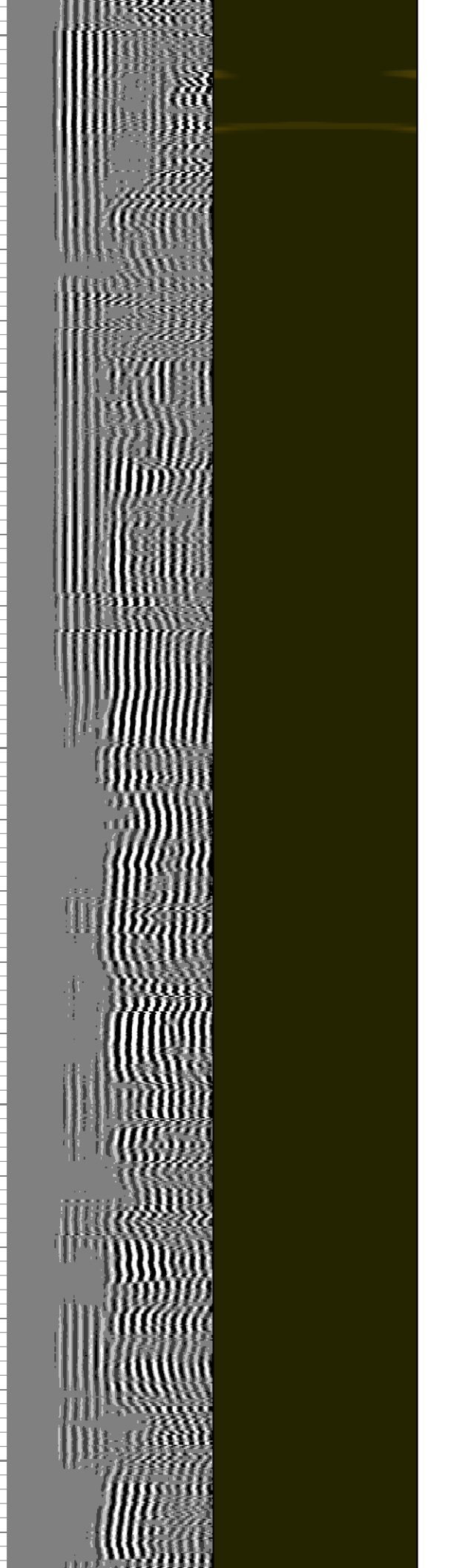
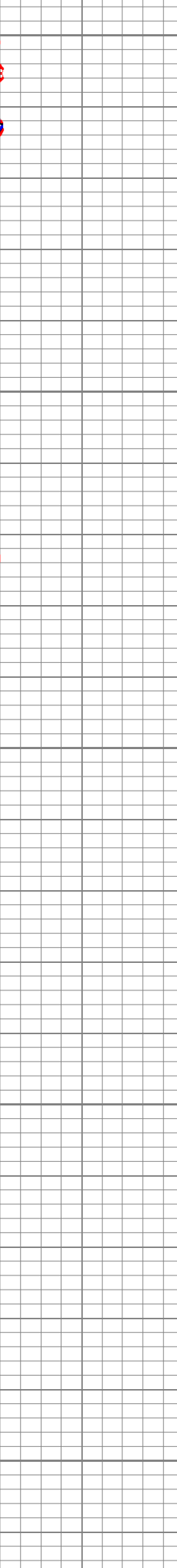
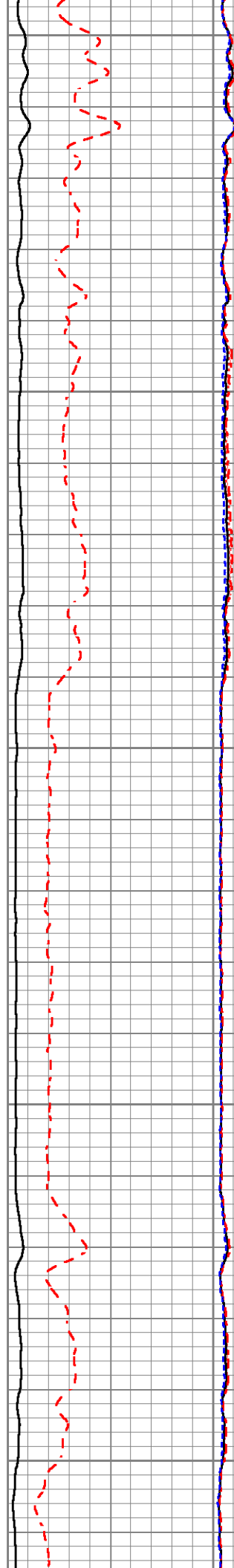


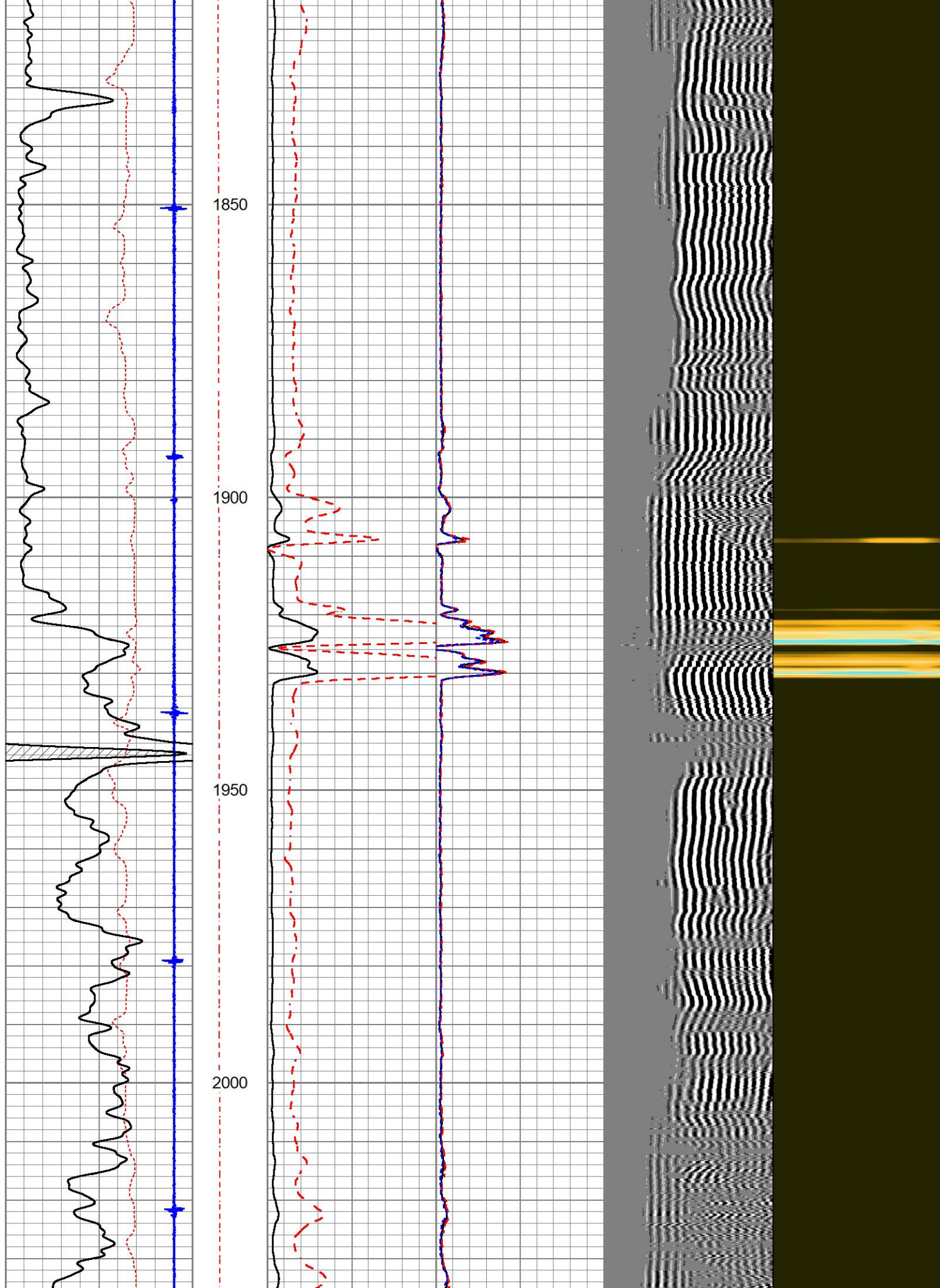


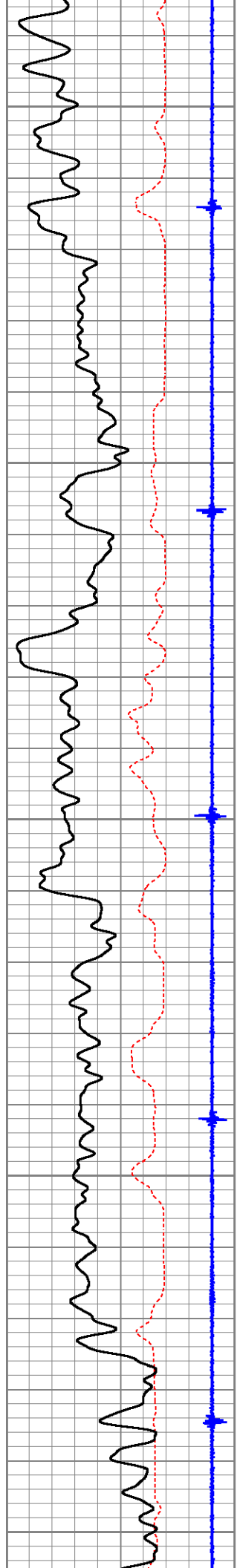




1600
1650
1700
1750
1800







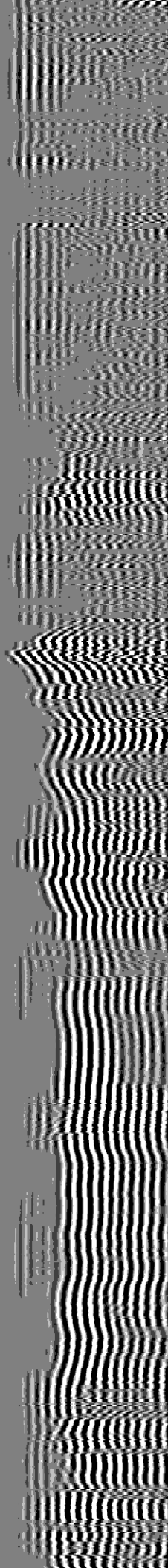
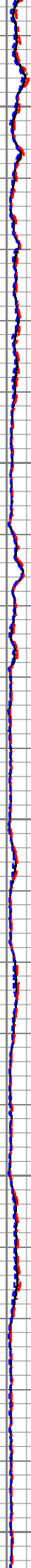
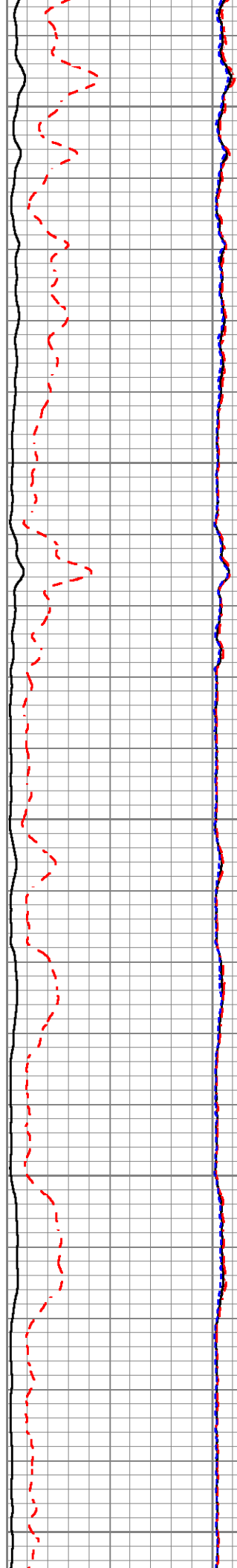
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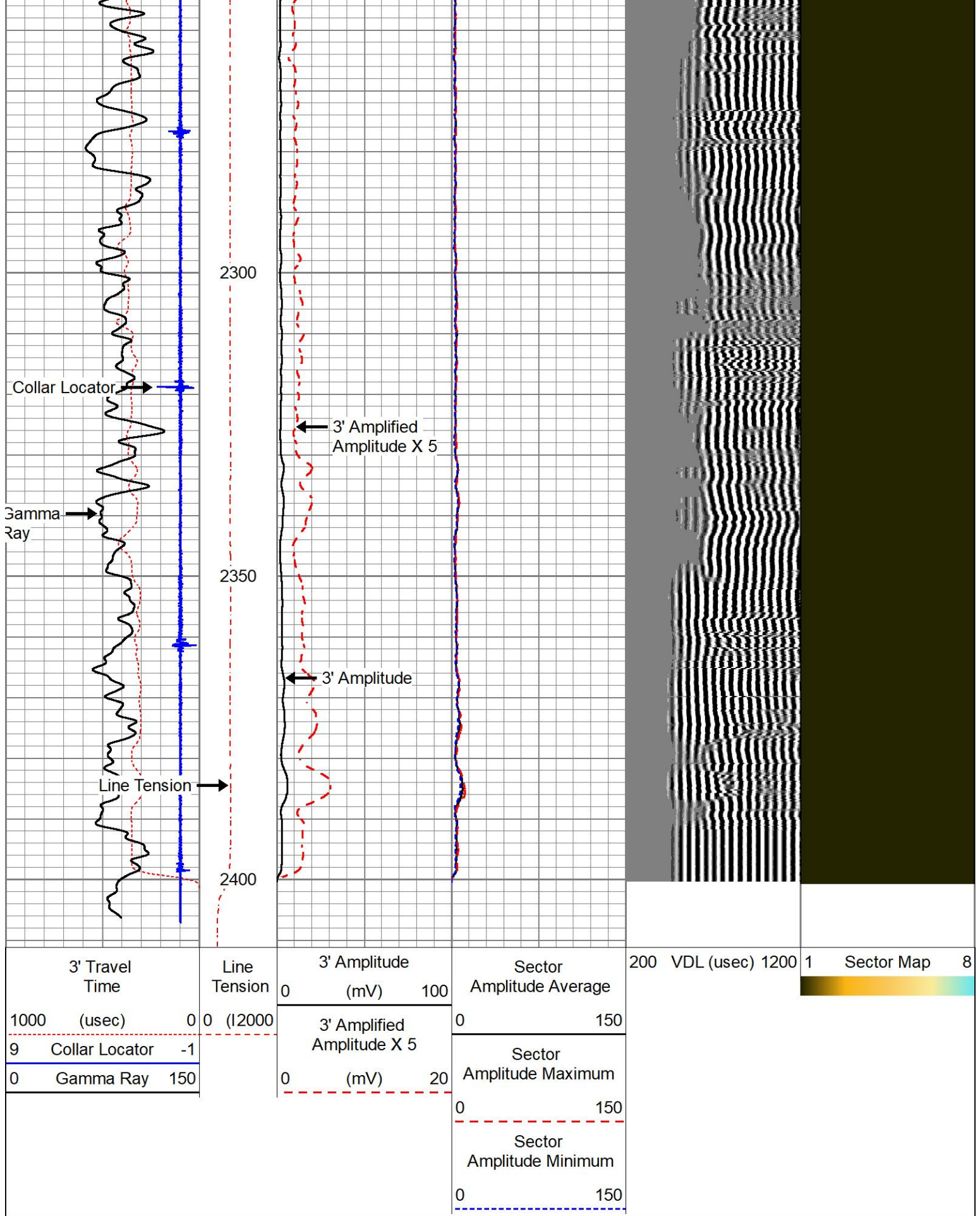
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2150

2200

2250



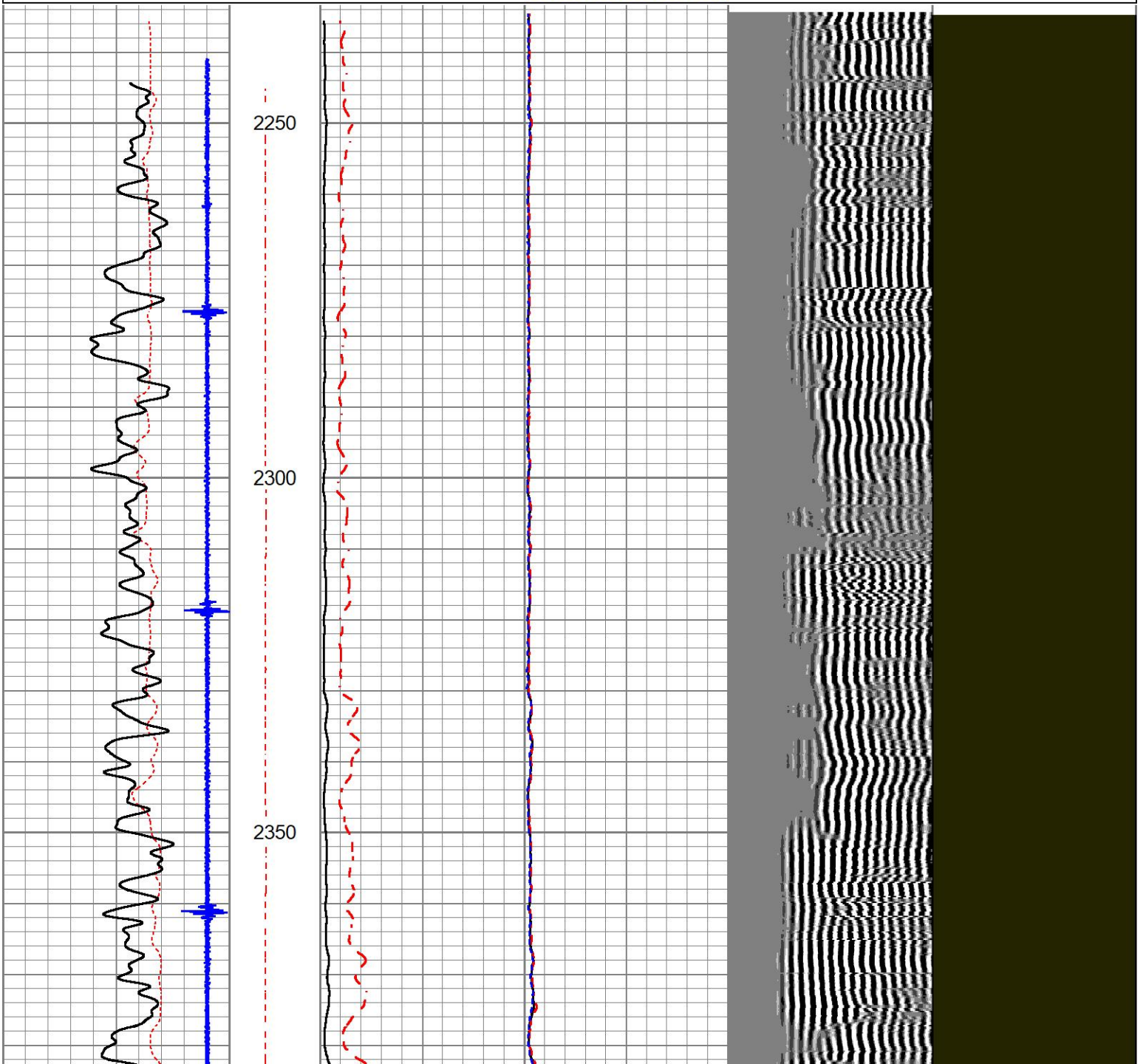


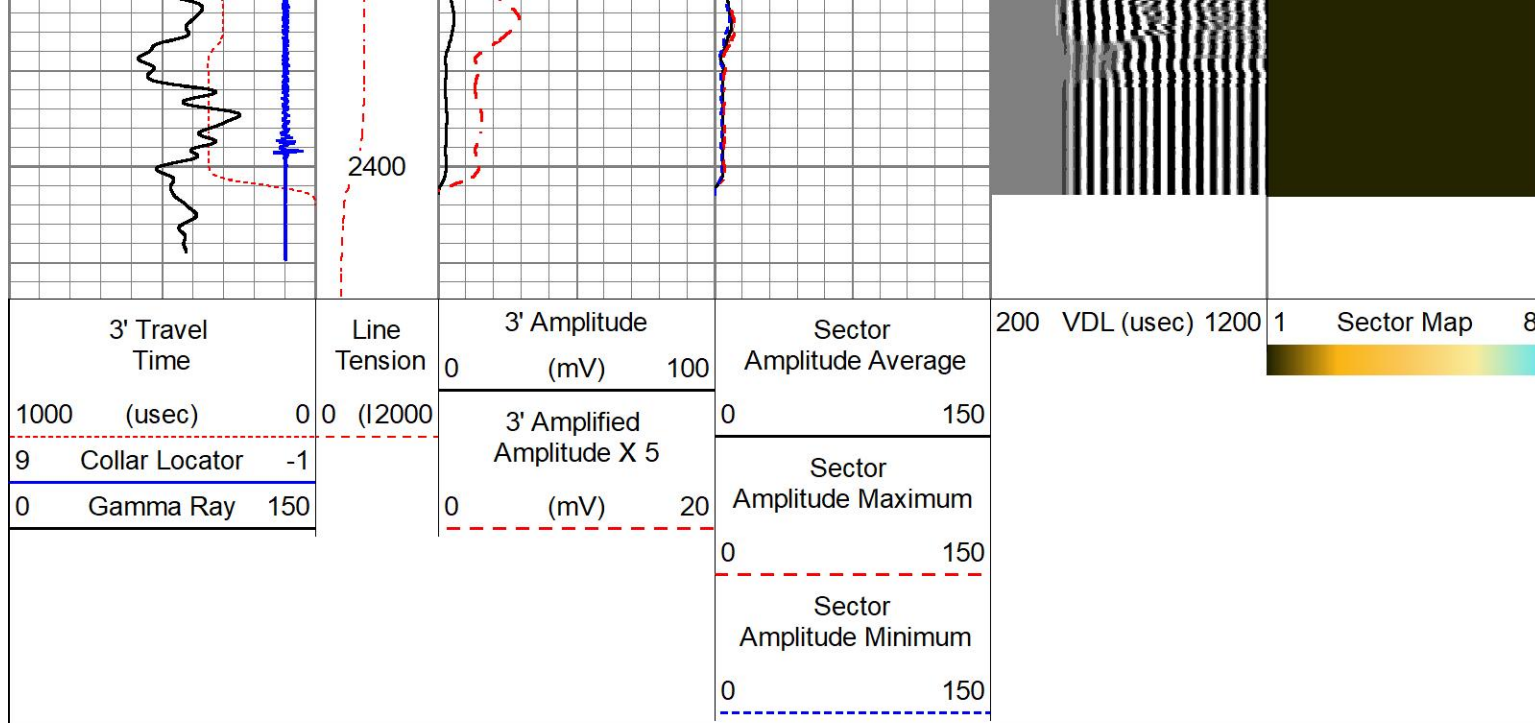
REPEAT SECTION

7 POLARIZED AT SURFACE

Database File shakespeare_cale2-7.db
 Dataset Pathname pass2
 Presentation Format pinr_scbl
 Dataset Creation Tue Aug 16 13:11:41 2022
 Charted by Depth in Feet scaled 1:240

3' Travel Time			Line Tension	3' Amplitude (mV)		Sector Amplitude Average	200 VDL (usec) 1200	1	Sector Map	8
1000 (usec)	0	0 (I2000)		0	100					
9 Collar Locator	-1			3' Amplified Amplitude X 5		0 150				
0 Gamma Ray	150			0	20	Sector Amplitude Maximum				
						0 150				
						Sector Amplitude Minimum				
						0 150				





Calibration Report		
Database File	shakespeare_cale2-7.db	
Dataset Pathname	pass3	
Dataset Creation	Tue Aug 16 13:17:30 2022	

Gamma Ray Calibration Report		
Serial Number:	060802	
Tool Model:	2 3/4" Probe	
Performed:	Mon May 16 14:57:00 2022	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.3000	/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	PR-012	
Tool Model:	RBL-D	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	2704.139	ft

Master Calibration, performed Mon Aug 15 21:09:52 2022:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	1.758	0.710	71.921	40.679	-0.500
CAL	0.006	2.195				
5'	0.007	1.416	0.710	71.921	50.540	0.364
SUM						
S1	0.003	1.650	0.000	100.000	60.748	-0.212
S2	0.008	1.744	0.000	100.000	57.613	-0.482
S3	0.009	1.768	0.000	100.000	56.844	-0.487
S4	0.008	1.748	0.000	100.000	57.485	-0.481
S5	0.008	1.735	0.000	100.000	57.913	-0.462
S6	0.008	1.737	0.000	100.000	57.834	-0.438

S6	0.000	1.797	0.000	100.000	57.831	0.400
S7	0.007	1.690	0.000	100.000	59.441	-0.445
S8	0.007	1.591	0.000	100.000	63.147	-0.461

Air Zero Calibration, performed Mon Aug 15 20:30:46 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