



RADIAL BOND LOG WITH GAMMA RAY

MIDWEST WIRELINE

Comp. Shakespeare Oil Company, Inc.
Well Ottley #2-8
Field Smokey Valley Southeast
Co. Logan
State Kansas

Company	Shakespeare Oil Company, Inc.	Other Services
Well	Ottley #2-8	
Field	Smokey Valley Southeast	
County	Logan	State Kansas
Location:	API # : 15-109-21642	
	1485' FNL & 1563' FEL SE-SE-NW-SE	Perforate
Permanent Datum	SEC 8 TWP 14S RGE 32W	
Log Measured From	GL KB 10	Elevation 2832 Above Perm. Datum
Drilling Measured From	KB	K.B. 2842 D.F. 2840 G.L. 2832

Date of Service	7/13/2022		
Run Number	One		
Depth Driller or PBTID	4555		
Depth Logger	4504		
Bottom Log Interval	4503		
Top Log Interval	250		
Open Hole Size	7.875		
Type Fluid	Water		
Fluid Level	304		
Fluid Density	8.4		
Max. Recorded Temperature	121		
Max. Wellhead Pressure	0		
Wellhead Connection	Open		
Estimated Cement Top	3588		
Unit Number	106		
Wireline Size	.288		
Location	Hays		
Recorded By	D. Legleiter		
Witnessed By	Mr. Brian Cable		
Tubing Record	Size	Wt/Ft	Top Bottom
Surface Casing	4.5		00 TD
Production Casing			
Liner Record			

<<< Fold Here >>>

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.

Oakley, Kansas 17 S to Mustange Rd., 3 W to Rd. 410, 2 S to Kiowa Rd.
1/2 E, N Into

THANK YOU FOR USING MIDWEST WIRELINE LLC!

Your Midwest Wireline Crew

Engineer: D. Legleiter
Operator: Rick Hunt
Operator:
Operator:

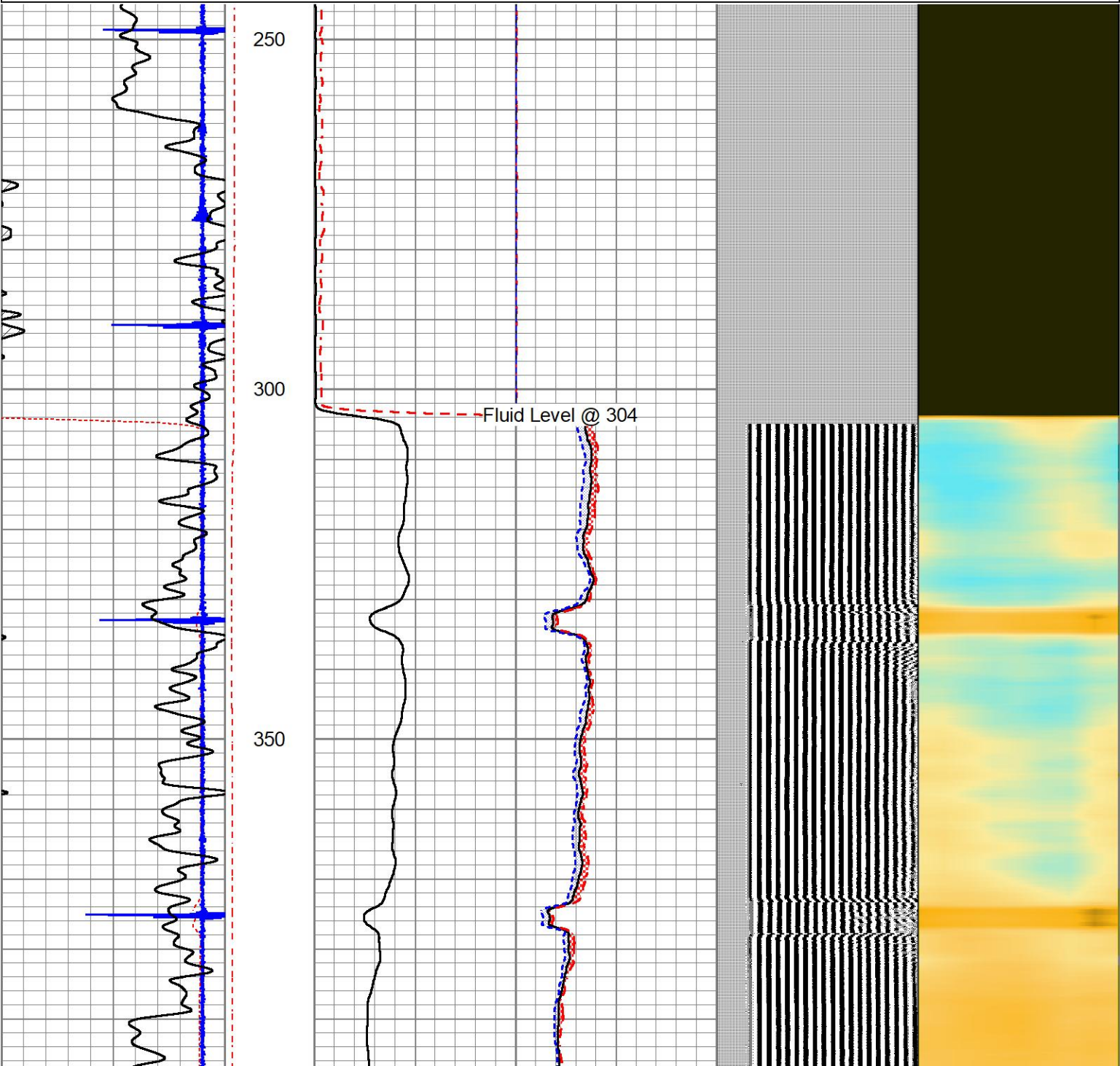
Tool Data - Services

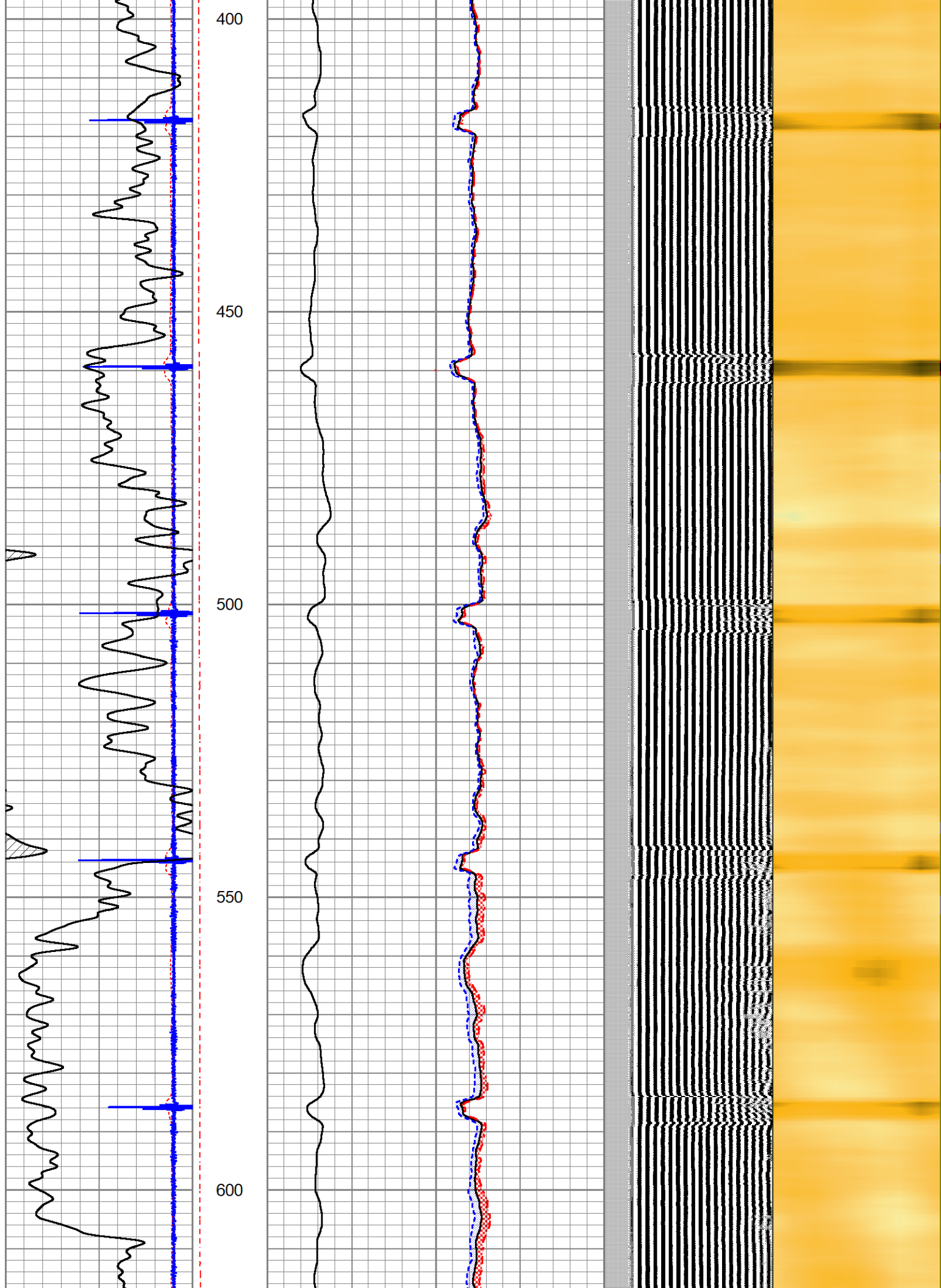
Serial Number

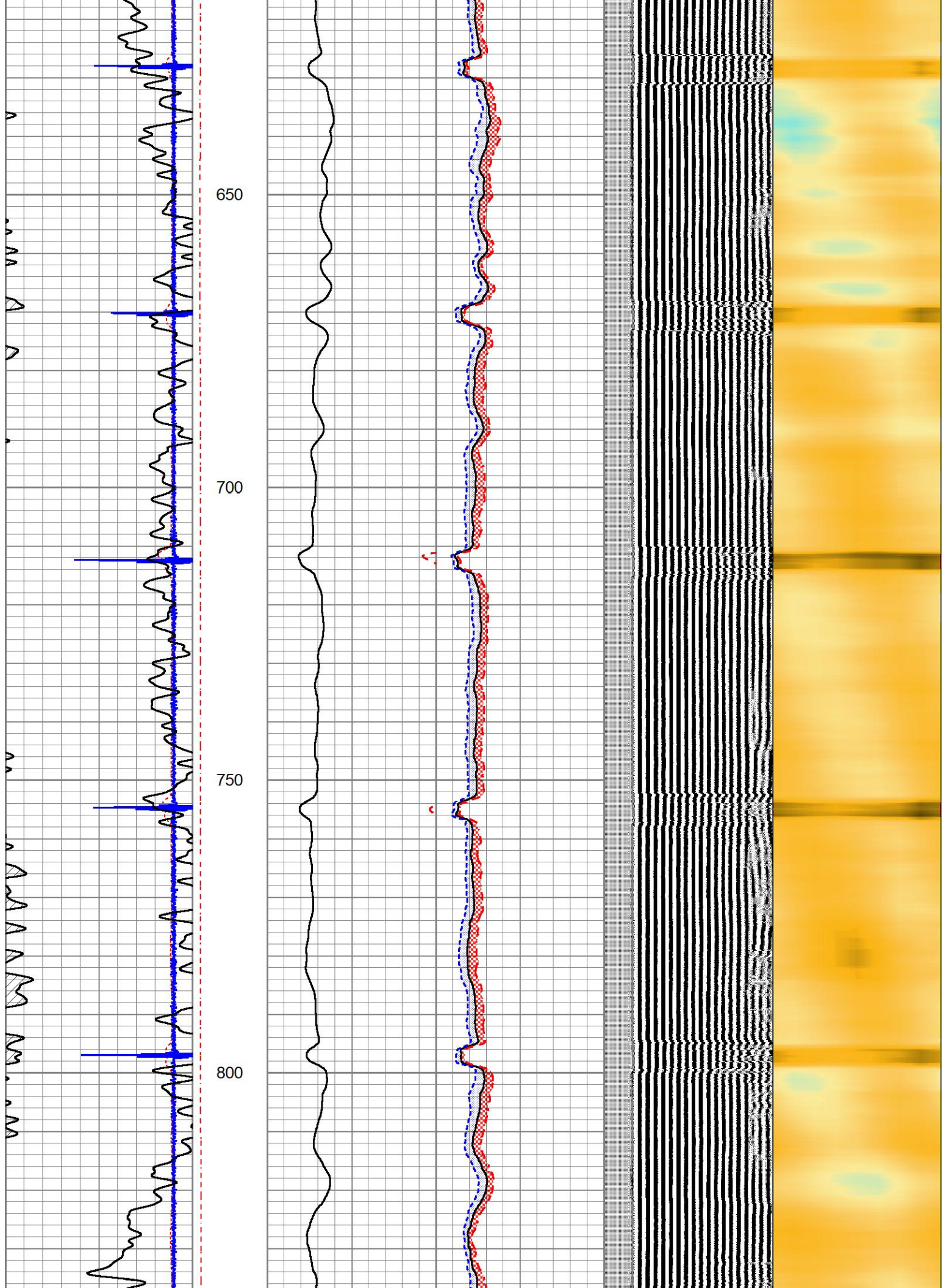
Company	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
---------	-------------	-----------	-------------	-------------	-----------	-------------

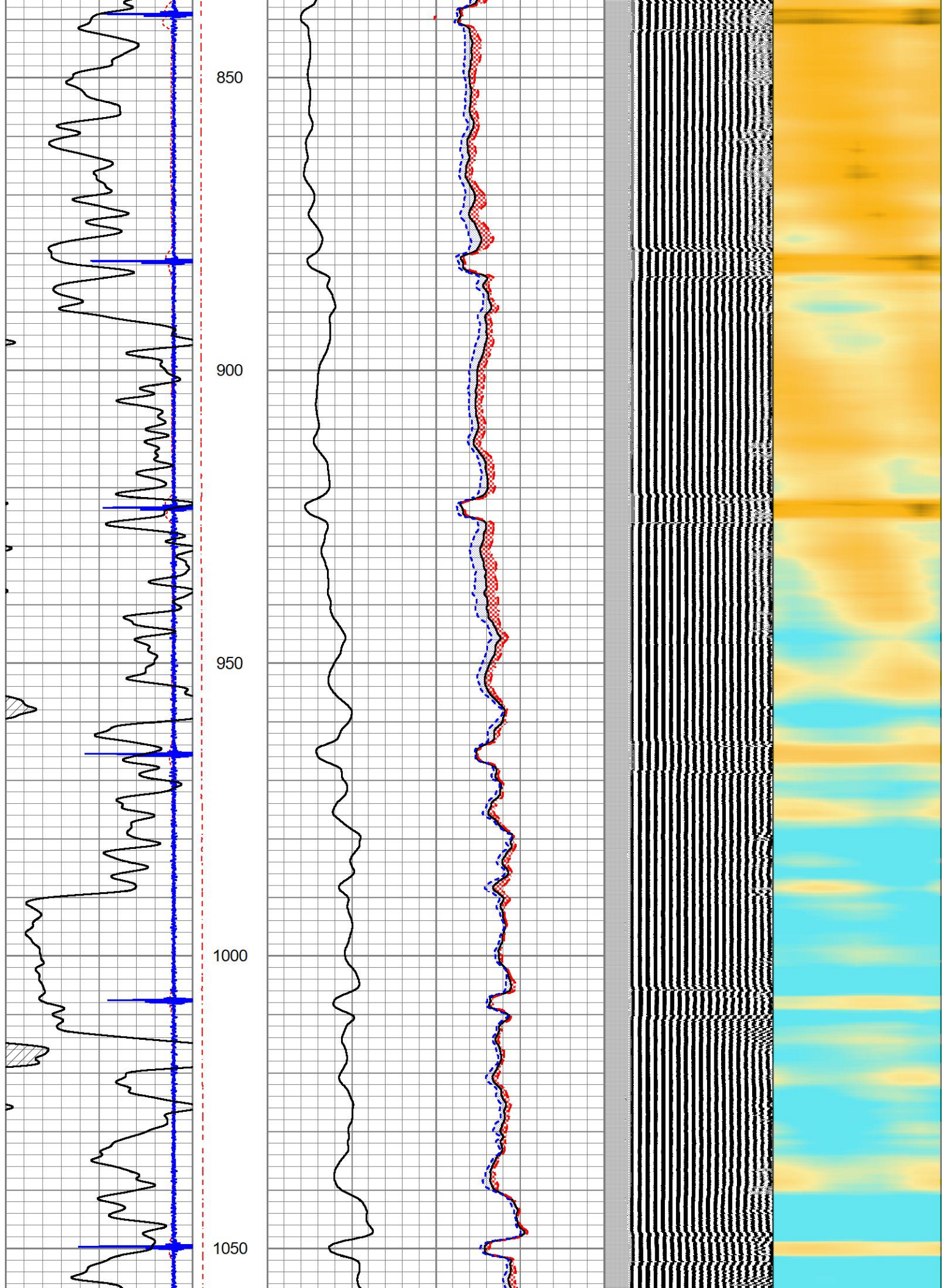
Database File shakespeare_ottley_228.db
Dataset Pathname SCBL/pass4.2
Presentation Format pinr_scbl
Dataset Creation Wed Jul 13 10:43:50 2022
Charted by Depth in Feet scaled 1:240

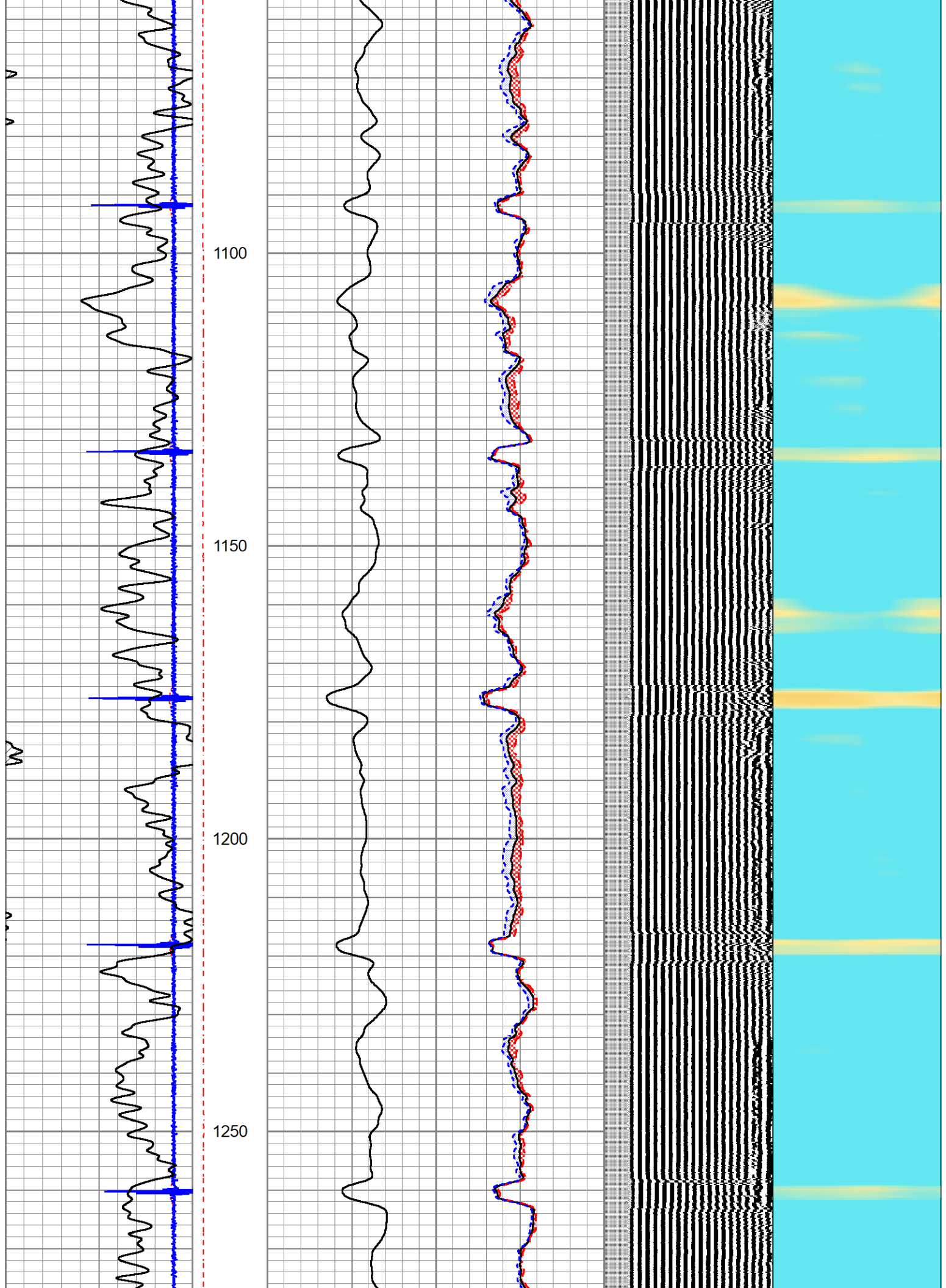
3' Travel Time			Line Tension	3' Amplitude (mV)		Sector Amplitude Average	200 VDL (usec) 1200	1	Sector Map	8
600	(usec)	200		0	100					
-9 Collar Locator 1			0 (12000	3' Amplified Amplitude X 5		0 150				
0 Gamma Ray 150				0 (mV) 20		Sector Amplitude Maximum				
						0 150				
						Sector Amplitude Minimum				
					0 150					

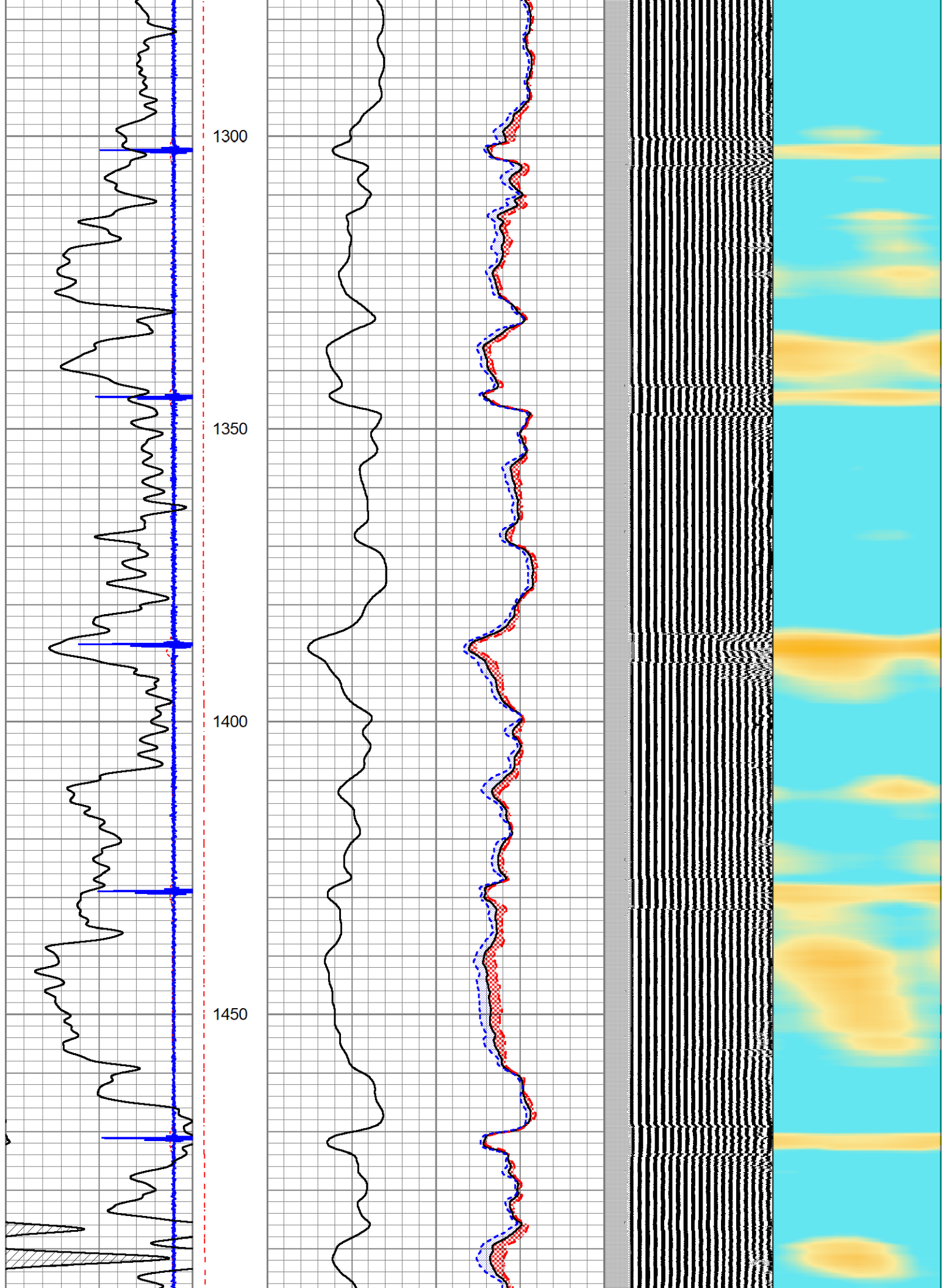


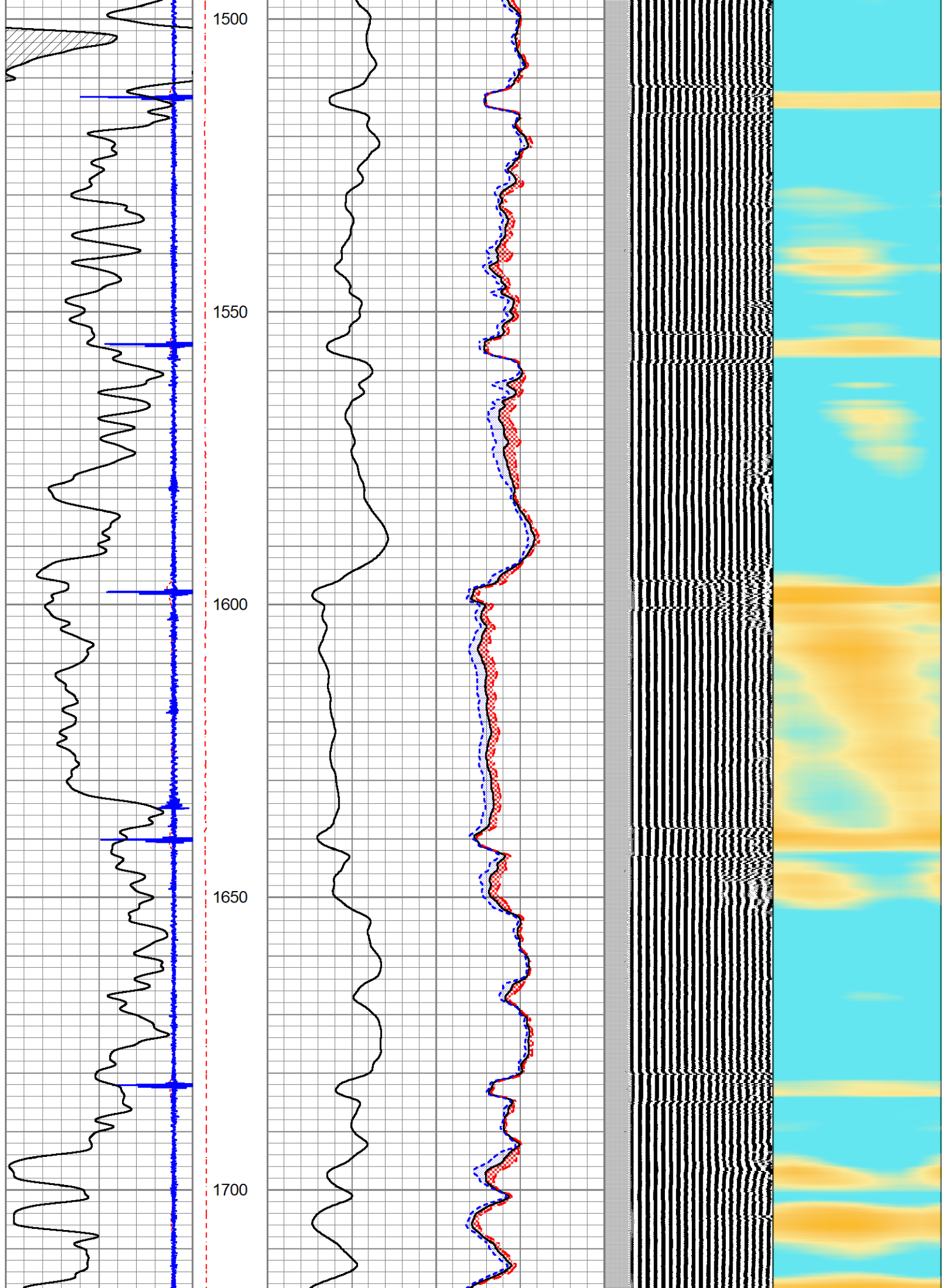


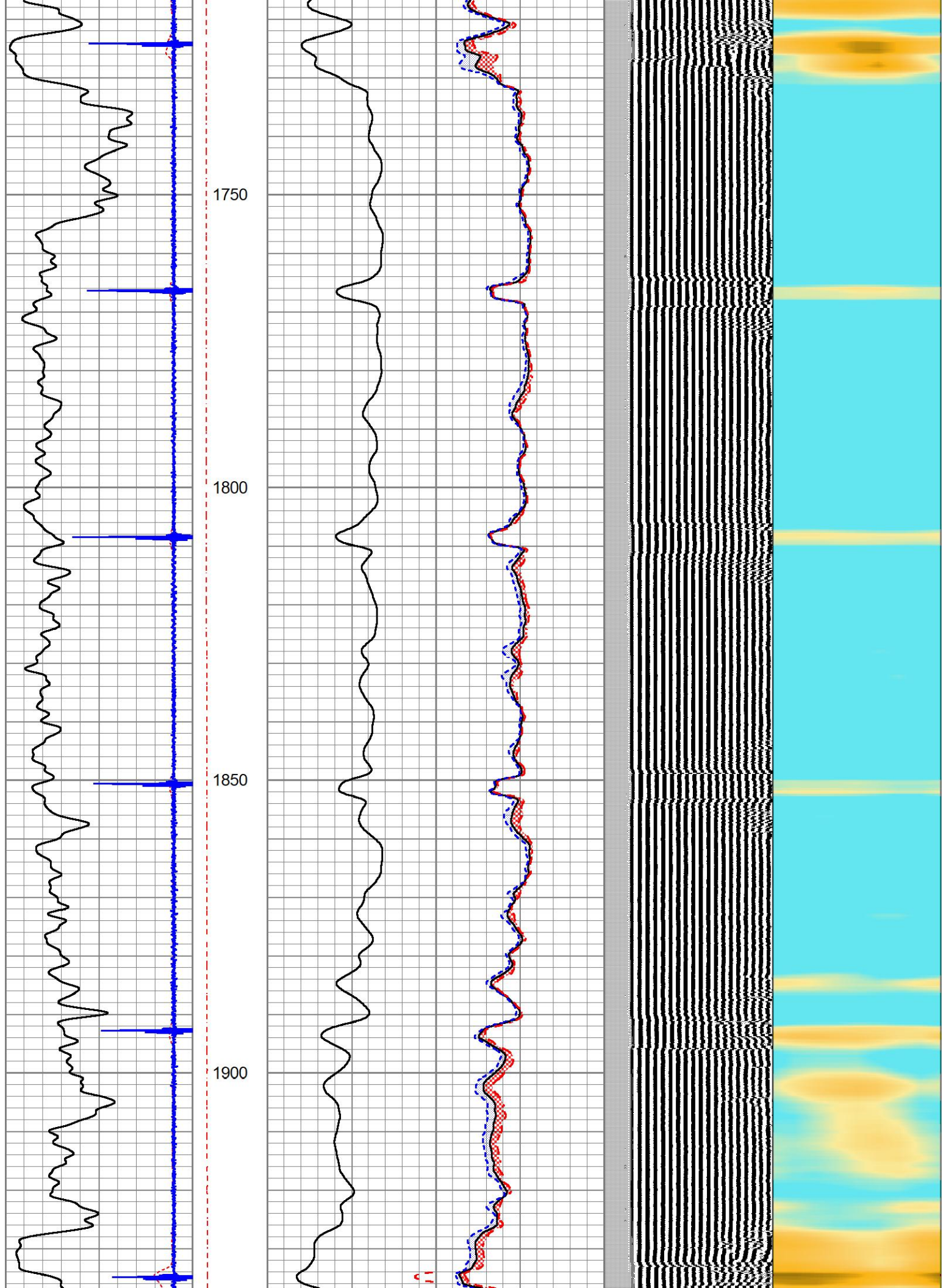


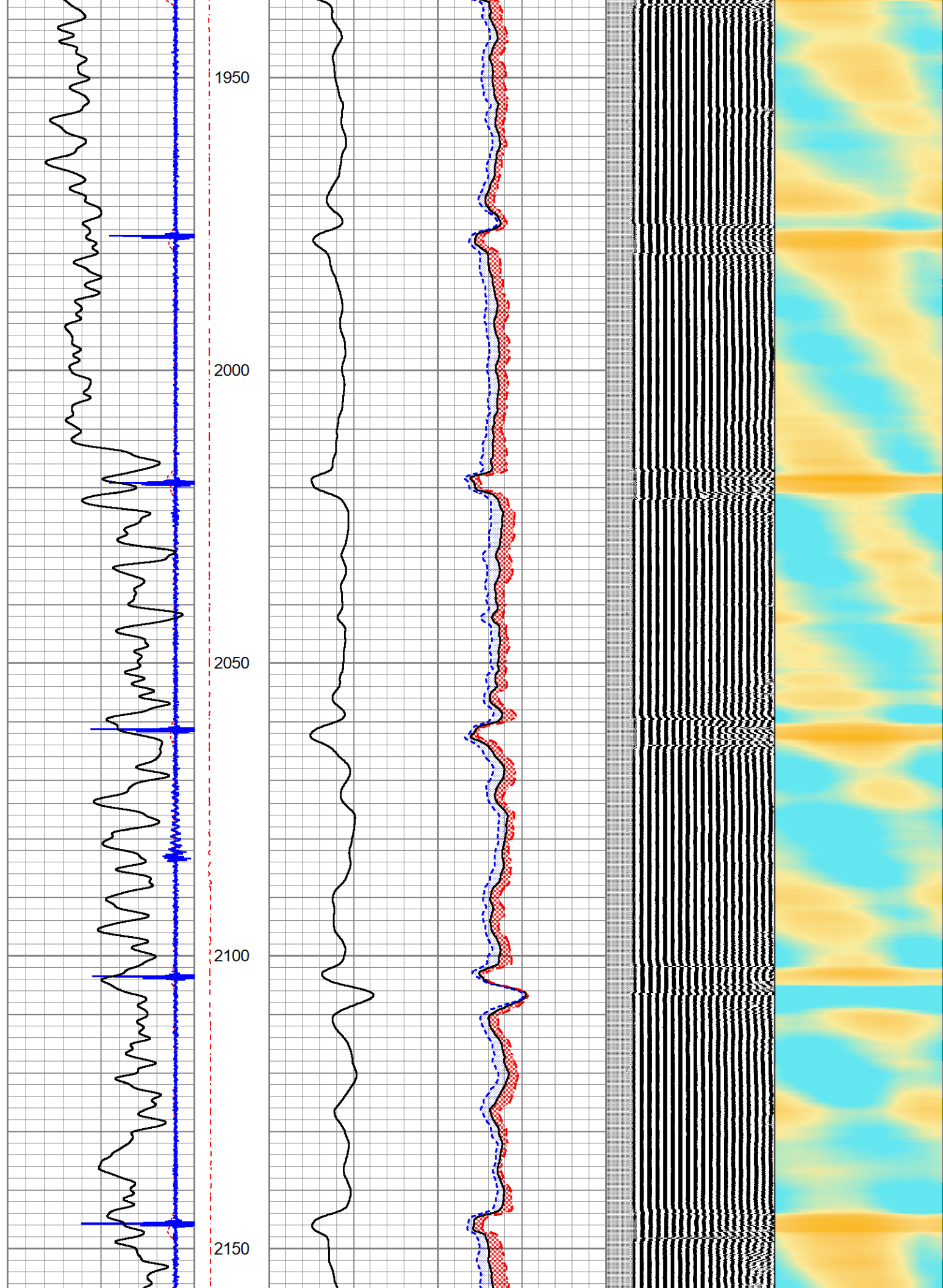


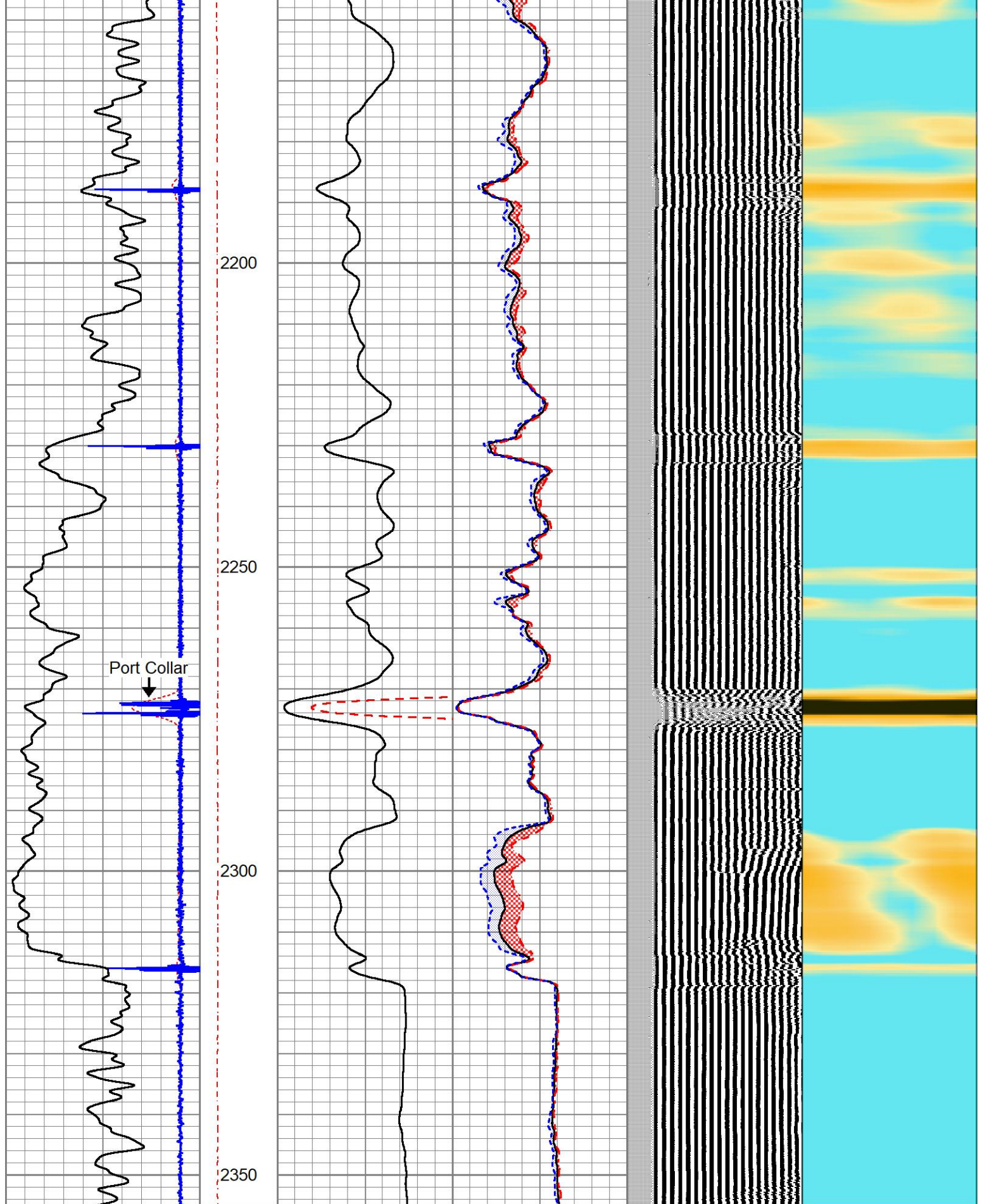




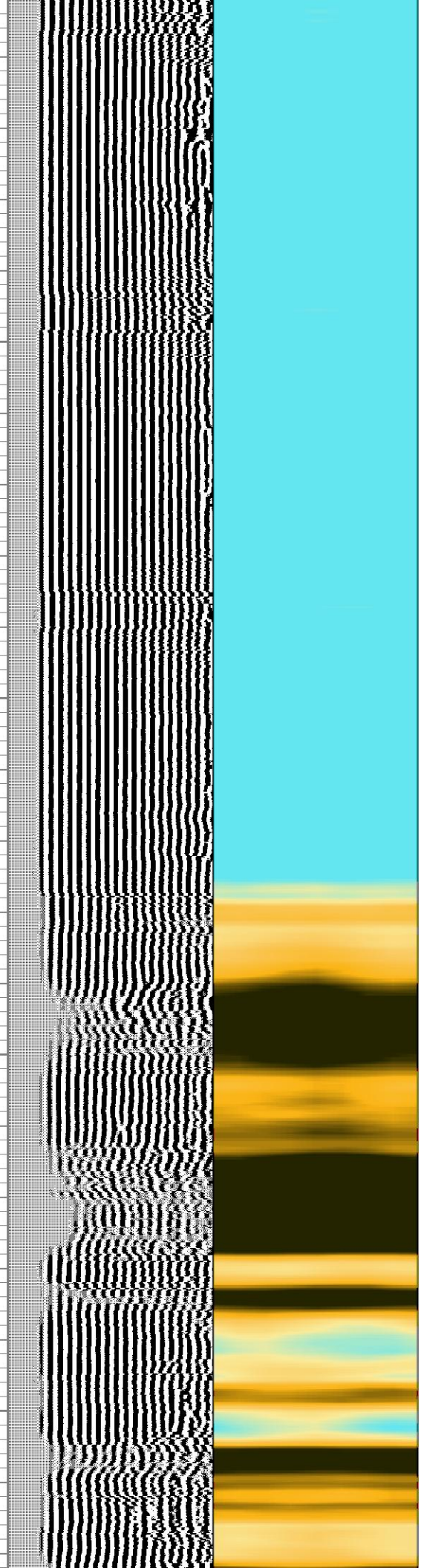
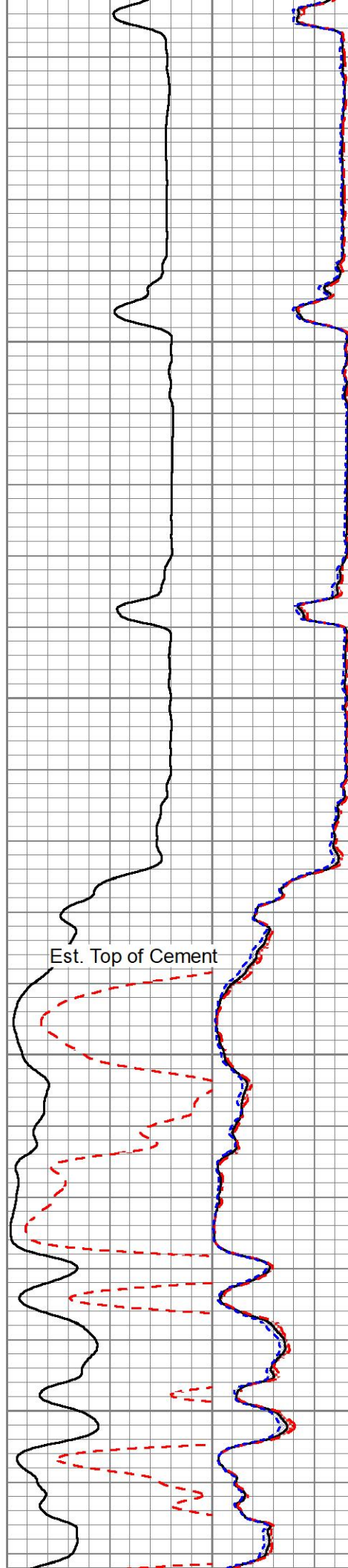
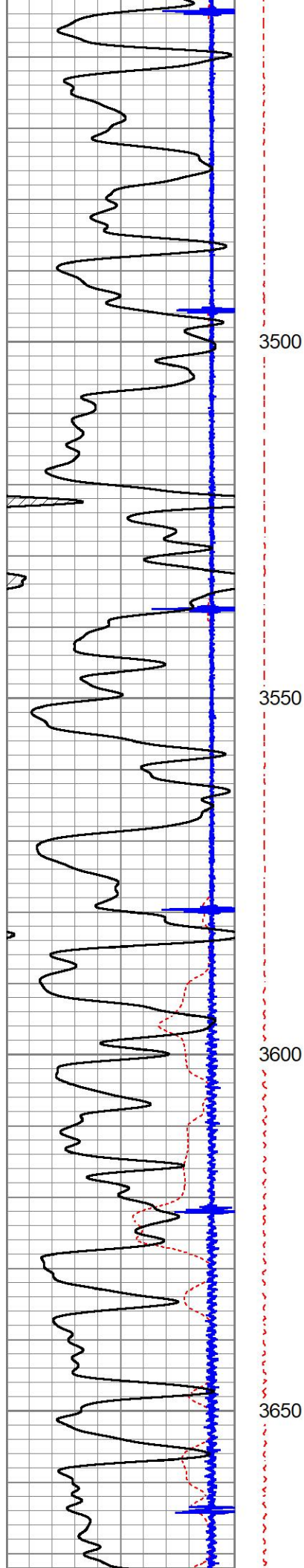


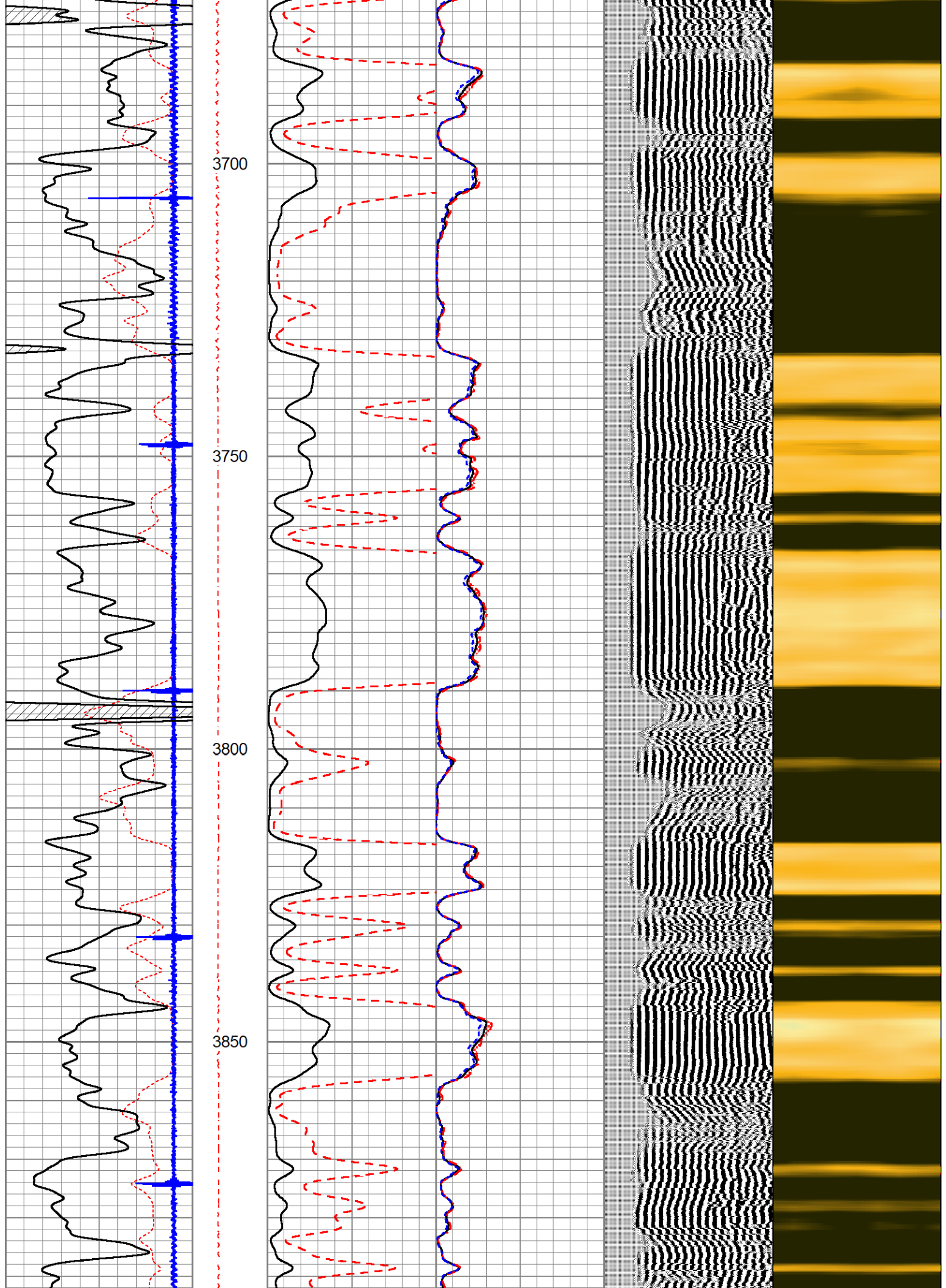


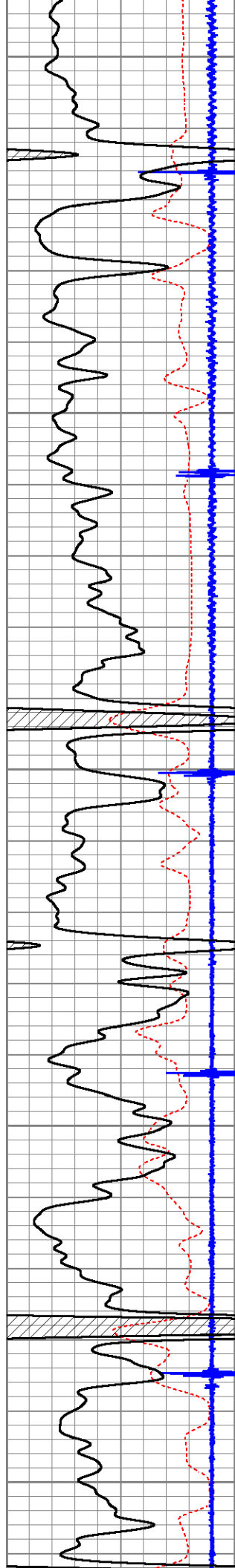




3' Travel Time			Line Tension	3' Amplitude		Sector	200 VDL (usec) 1200	1	Sector Map	8	
		0		(mV)	100	Amplitude Average					
600	(usec)	200		0 (12000		0					150
-9	Collar Locator	1	3' Amplified Amplitude X 5		Sector Amplitude Maximum						
0	Gamma Ray	150	0 (mV)		20						







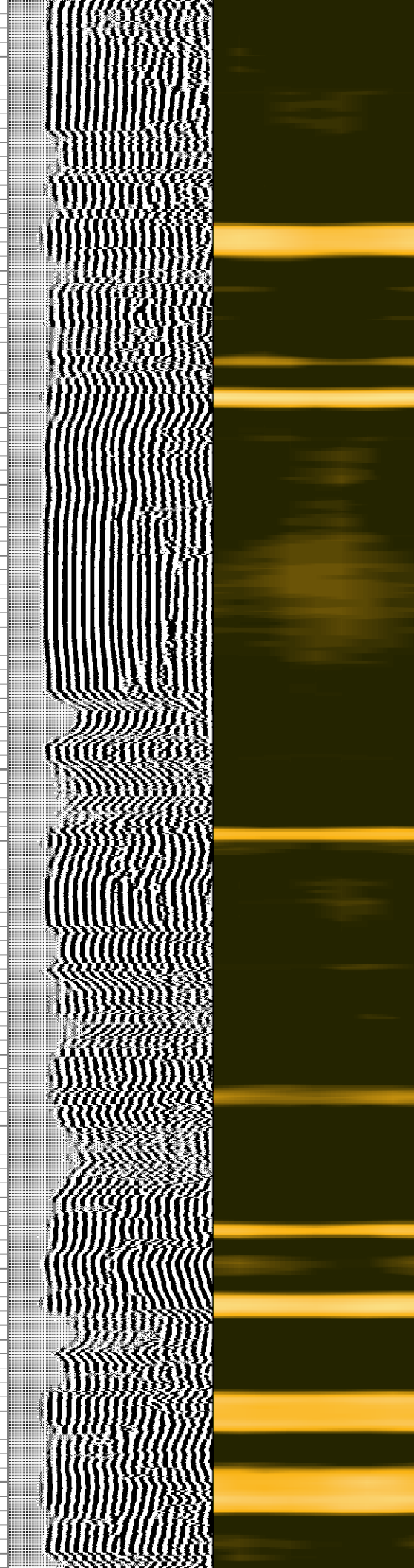
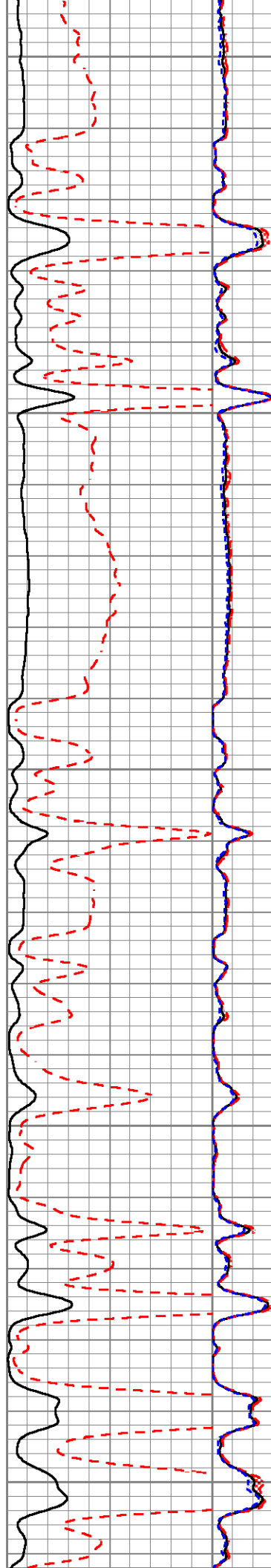
3900

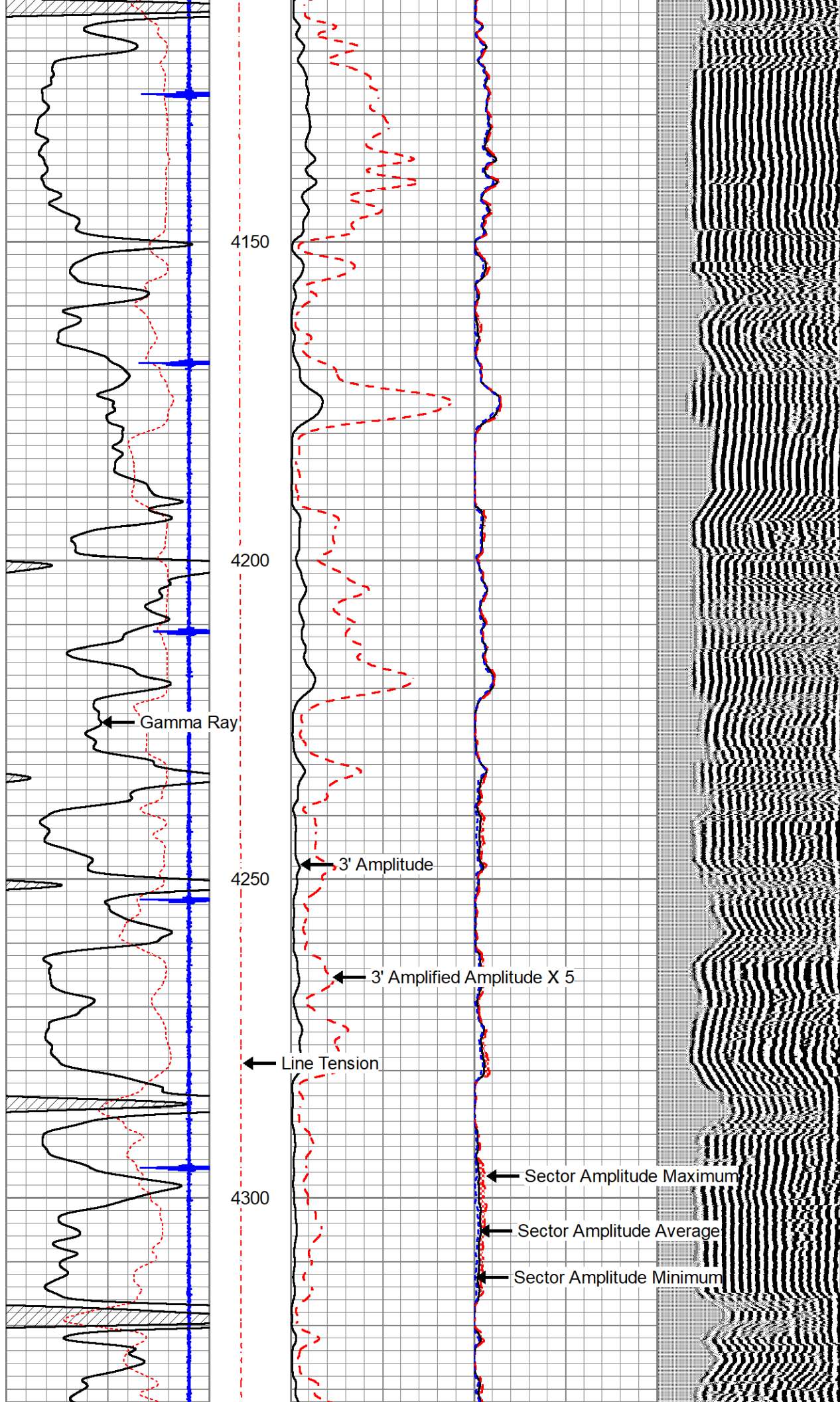
3950

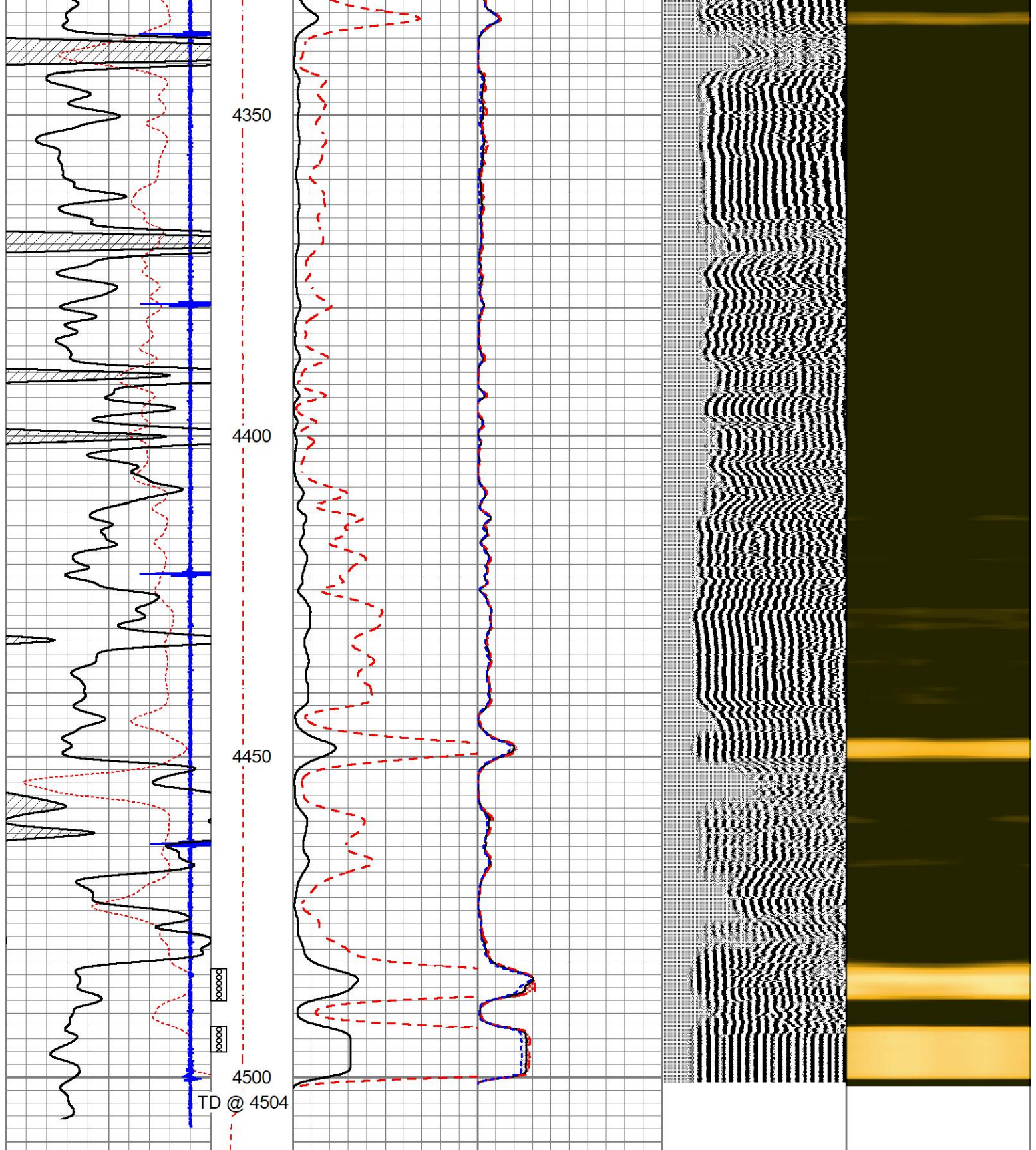
4000

4050

4100







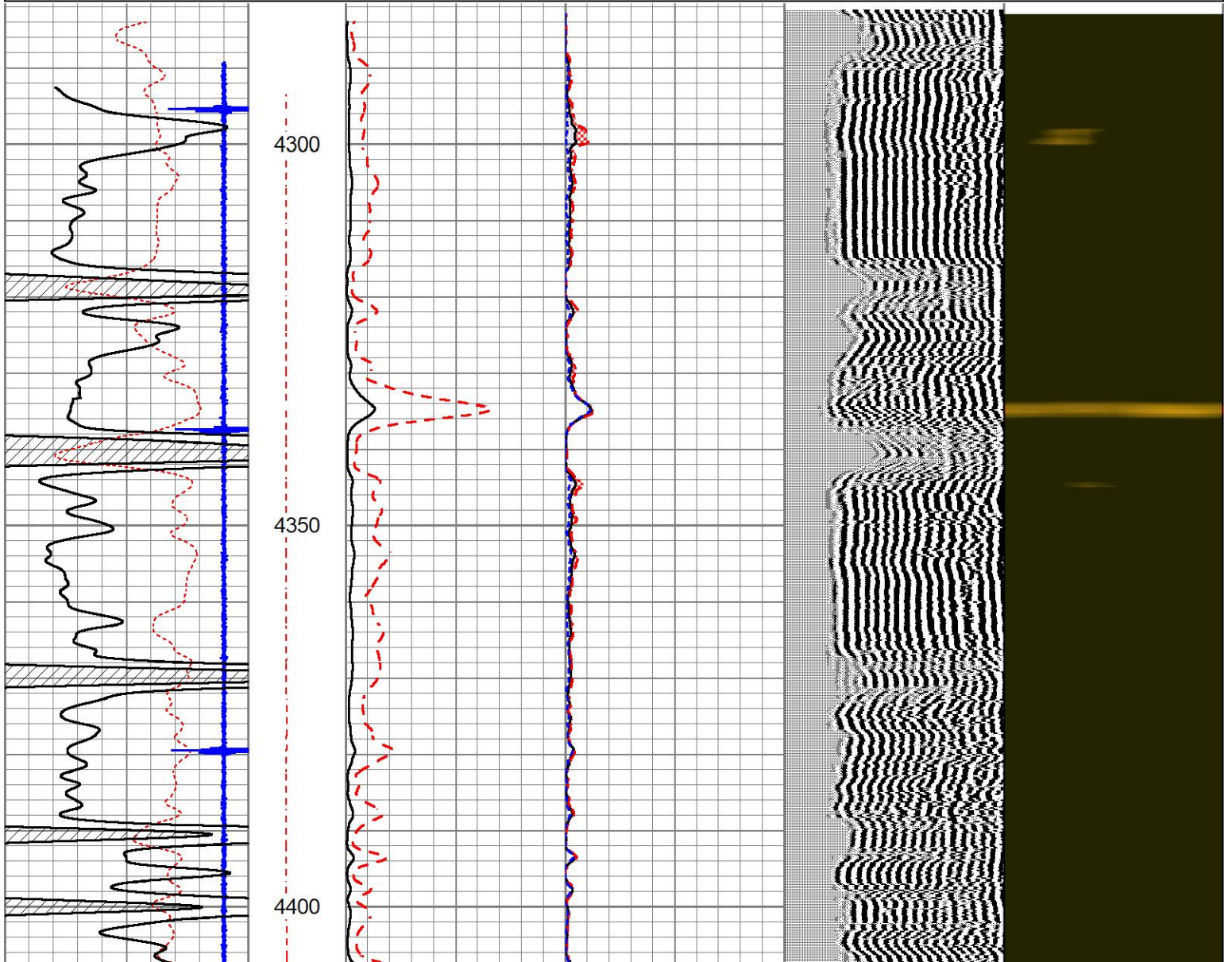
3' Travel Time			Line Tension	3' Amplitude (mV)		Sector Amplitude Average	200 VDL (usec) 1200	1	Sector Map	8	
600 (usec)	200	0 (12000		0	100	0 150					
-9 Collar Locator	1	3' Amplified Amplitude X 5		0 (mV) 20		Sector Amplitude Maximum					
0 Gamma Ray	150					0 150					
						Sector Amplitude Minimum					
						0 150					

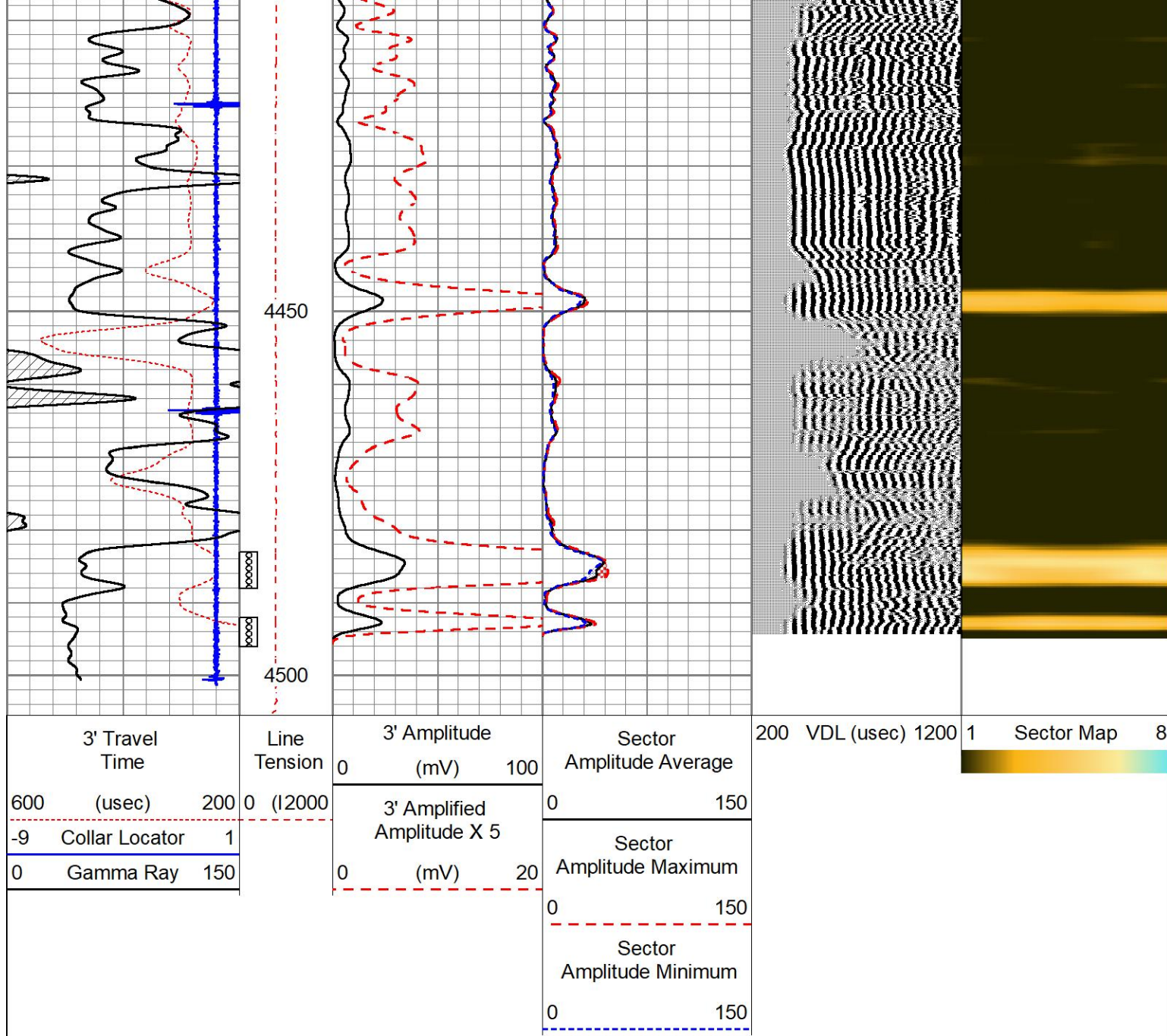


REPEAT SECTION

Database File shakespear_ottley_228.db
Dataset Pathname SCBL/pass3
Presentation Format pinr_scbl
Dataset Creation Wed Jul 13 08:40:40 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
600 (usec)	200		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_ottley_228.db	
Dataset Pathname	SCBL/pass4	
Dataset Creation	Wed Jul 13 08:49:16 2022	
Gamma Ray Calibration Report		
Serial Number:	060802	
Tool Model:	2 3/4" Probe	
Performed:	Tue May 11 19:37:17 2021	
Calibrator Value:	1.0	
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	/cps
Segmented Cement Bond Log Calibration Report		

Calibration Casing Diameter:	4.500	in
Calibration Depth:	3111.432	ft

Master Calibration, performed Wed Jul 13 08:35:55 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.010	2.343	0.700	81.196	34.514	0.000
CAL	1.822	2.499				
5'	0.014	2.130	0.700	81.196	38.039	0.162
SUM						
S1	0.010	2.402	0.000	100.000	41.800	-0.419
S2	0.009	2.375	0.000	100.000	42.275	-0.388
S3	0.015	2.341	0.000	100.000	42.977	-0.630
S4	0.009	2.294	0.000	100.000	43.759	-0.381
S5	0.013	2.237	0.000	100.000	44.969	-0.604
S6	0.009	2.233	0.000	100.000	44.967	-0.396
S7	0.013	2.289	0.000	100.000	43.936	-0.590
S8	0.011	2.385	0.000	100.000	42.129	-0.472

Air Zero Calibration, performed Wed Jul 13 08:10:38 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