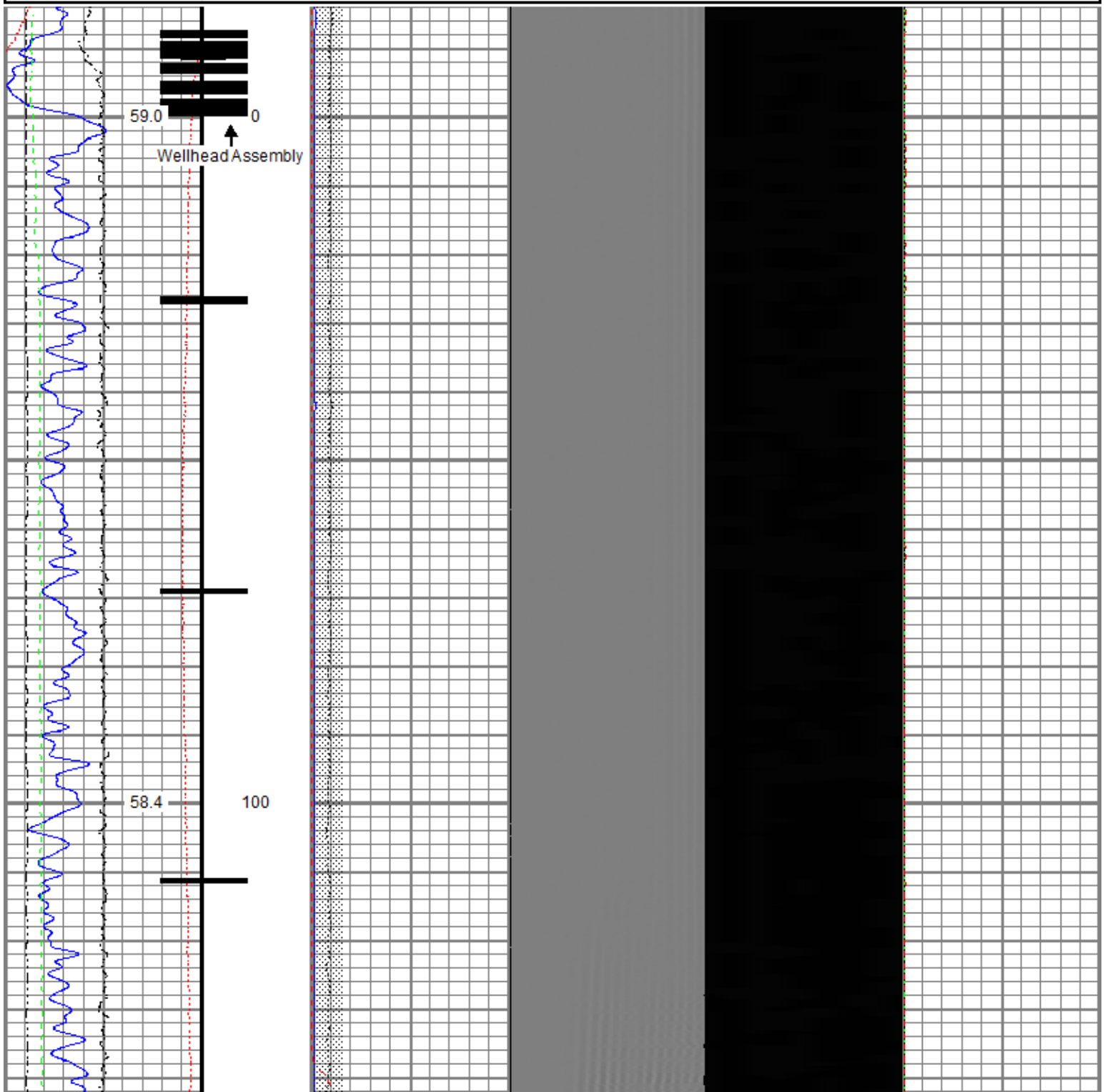
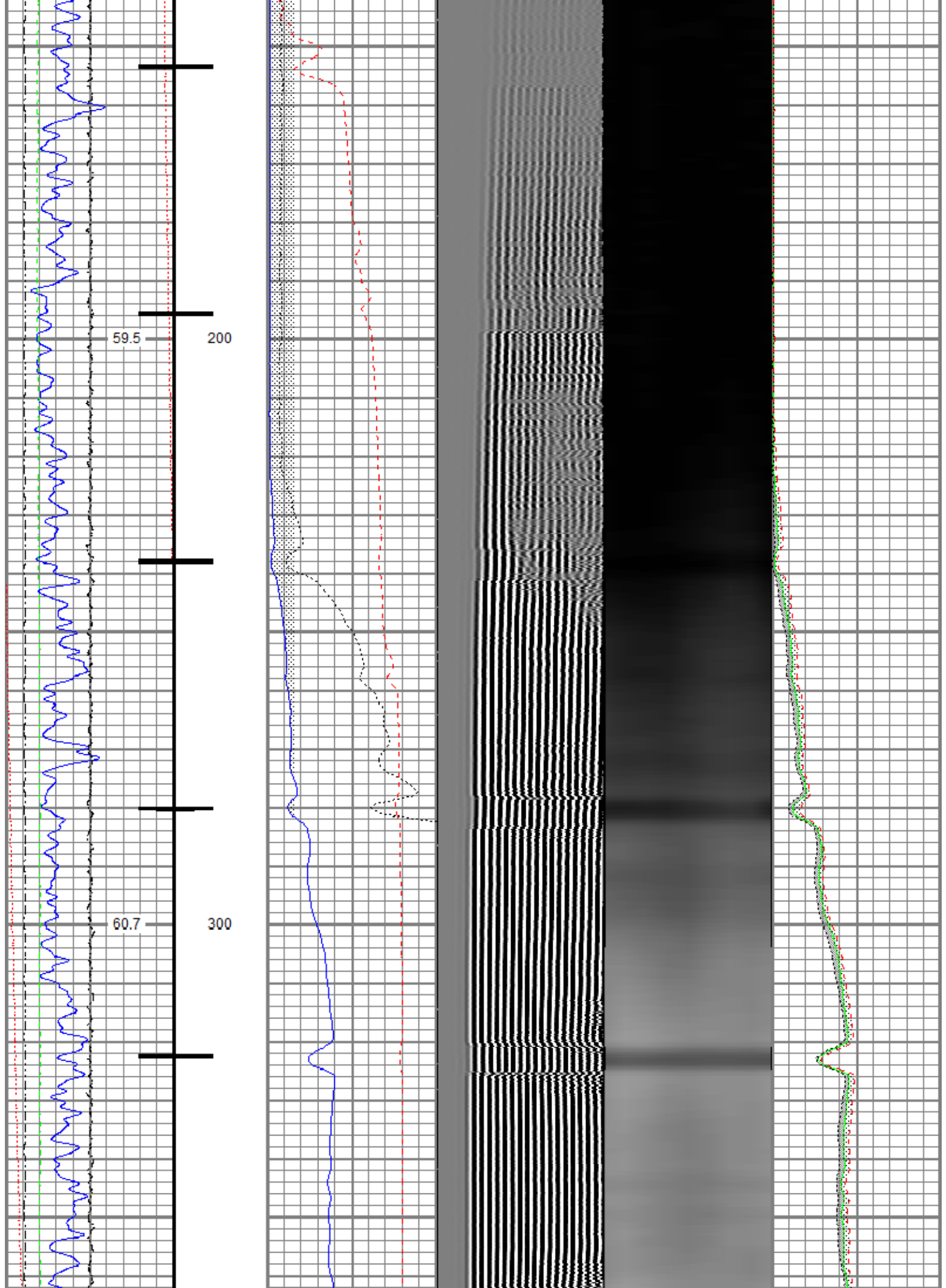


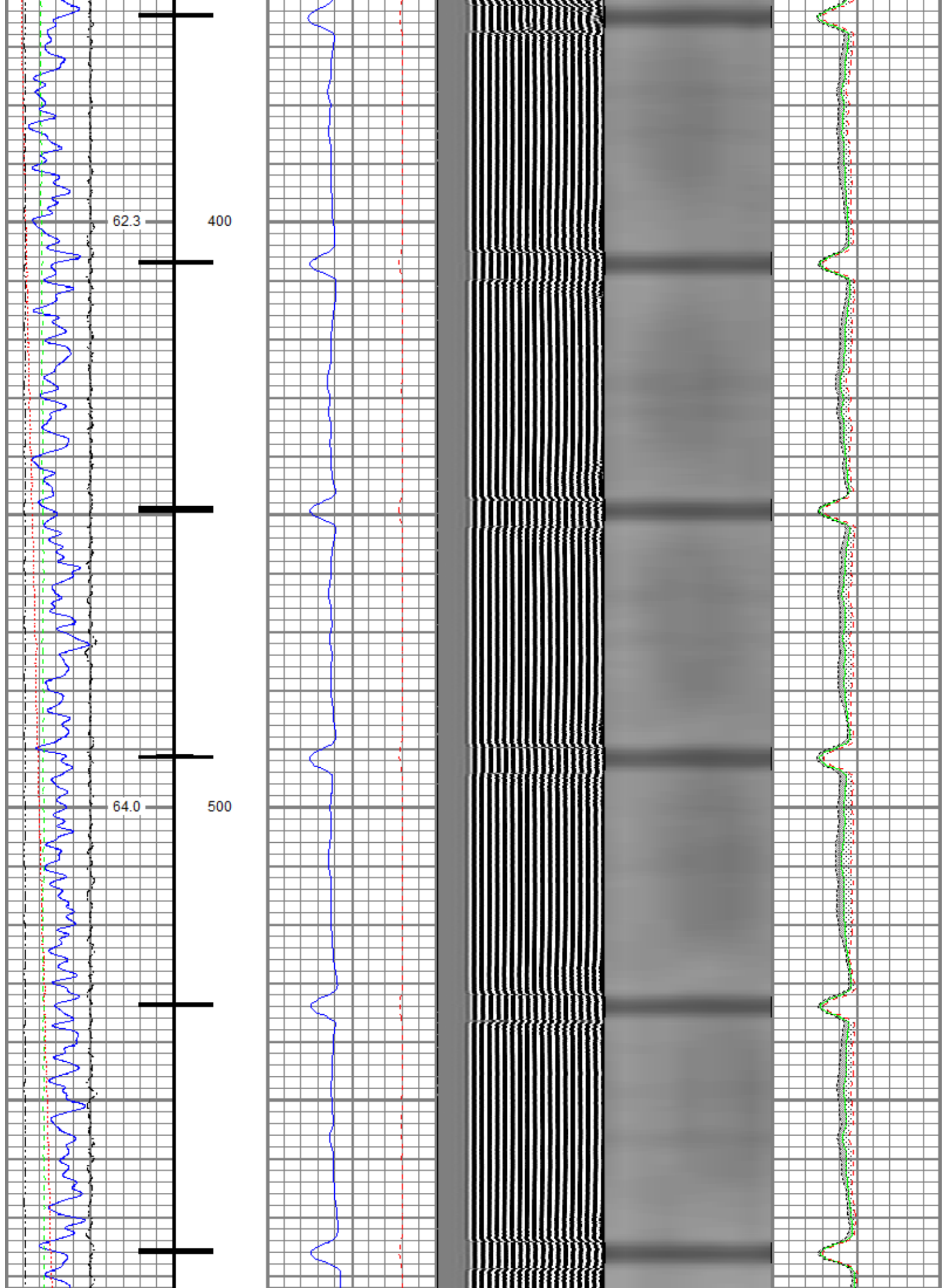


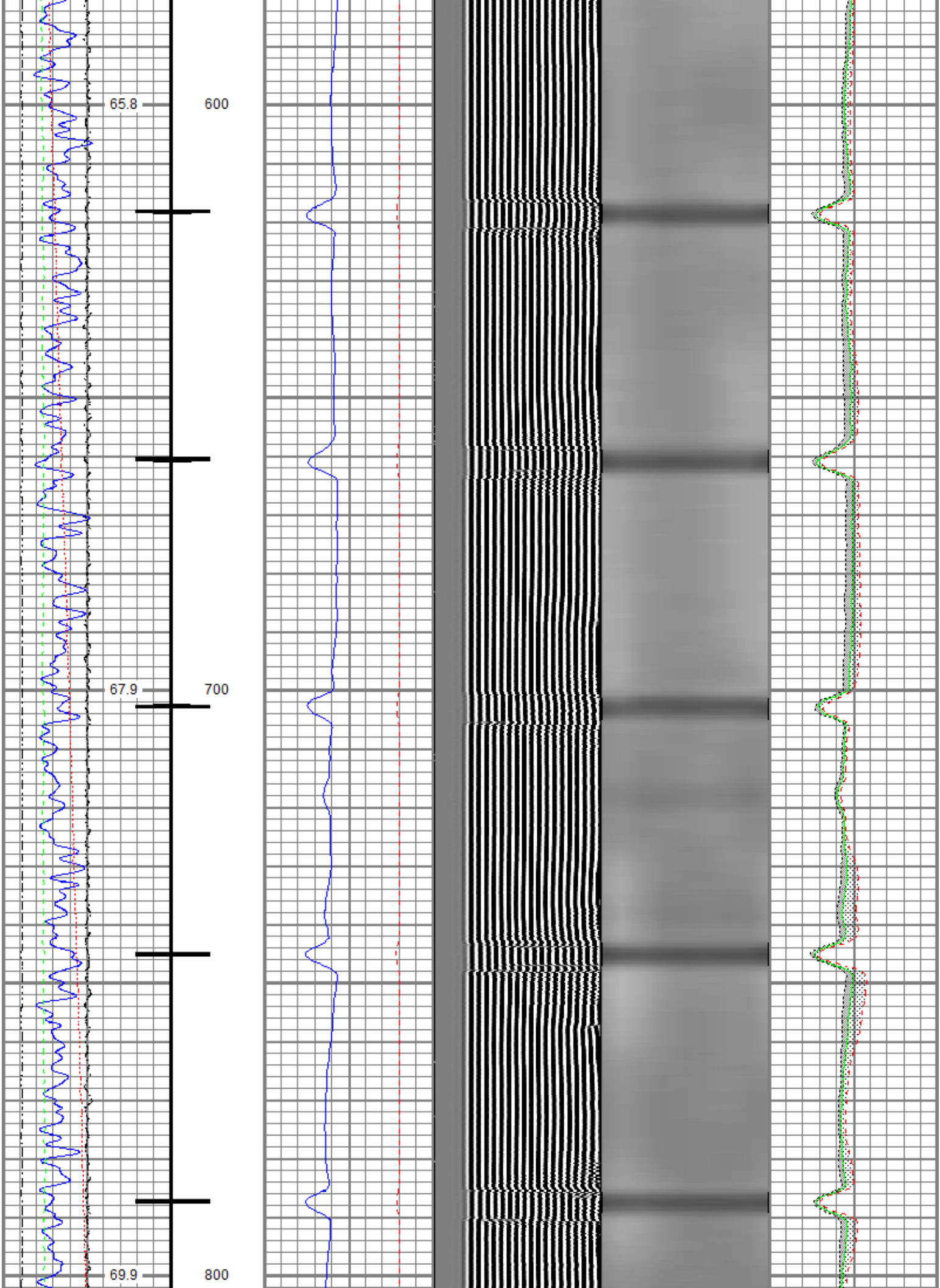
Database File oxy\_cooley\_11-16\_rcbl\_vert.db  
 Dataset Pathname RCBL 1/pass6.1  
 Presentation Format ros\_radii\_oxo\_vert\_gobo\_45  
 Dataset Creation Fri Oct 30 12:39:34 2020  
 Charted by Depth in Feet scaled 1:240

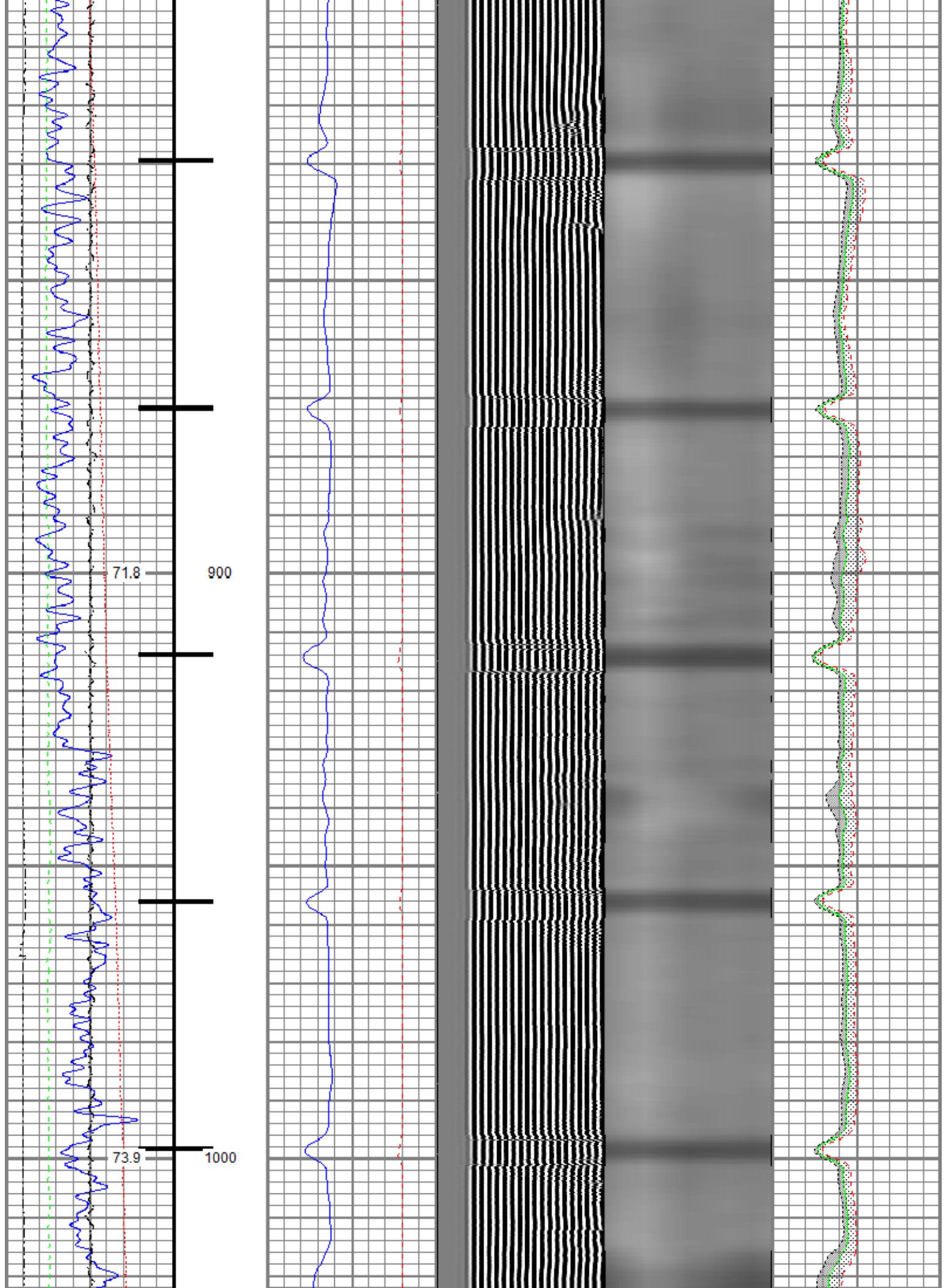
Gamma Ray (GAPI)	0 120	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	Average Amplitude
Temperature (degF)	0 20	3' Amplitude x 5 (mV)	20	200 (usec)		0 100
Line Speed (ft/min)	-150 150	3' Travel Time (usec)	150			Minimum Amplitude
Line Tension (lb) 000						0 100
Differential Temperature (degF)	-2 2					Maximum Amplitude
Casing Collar Locator						0 100

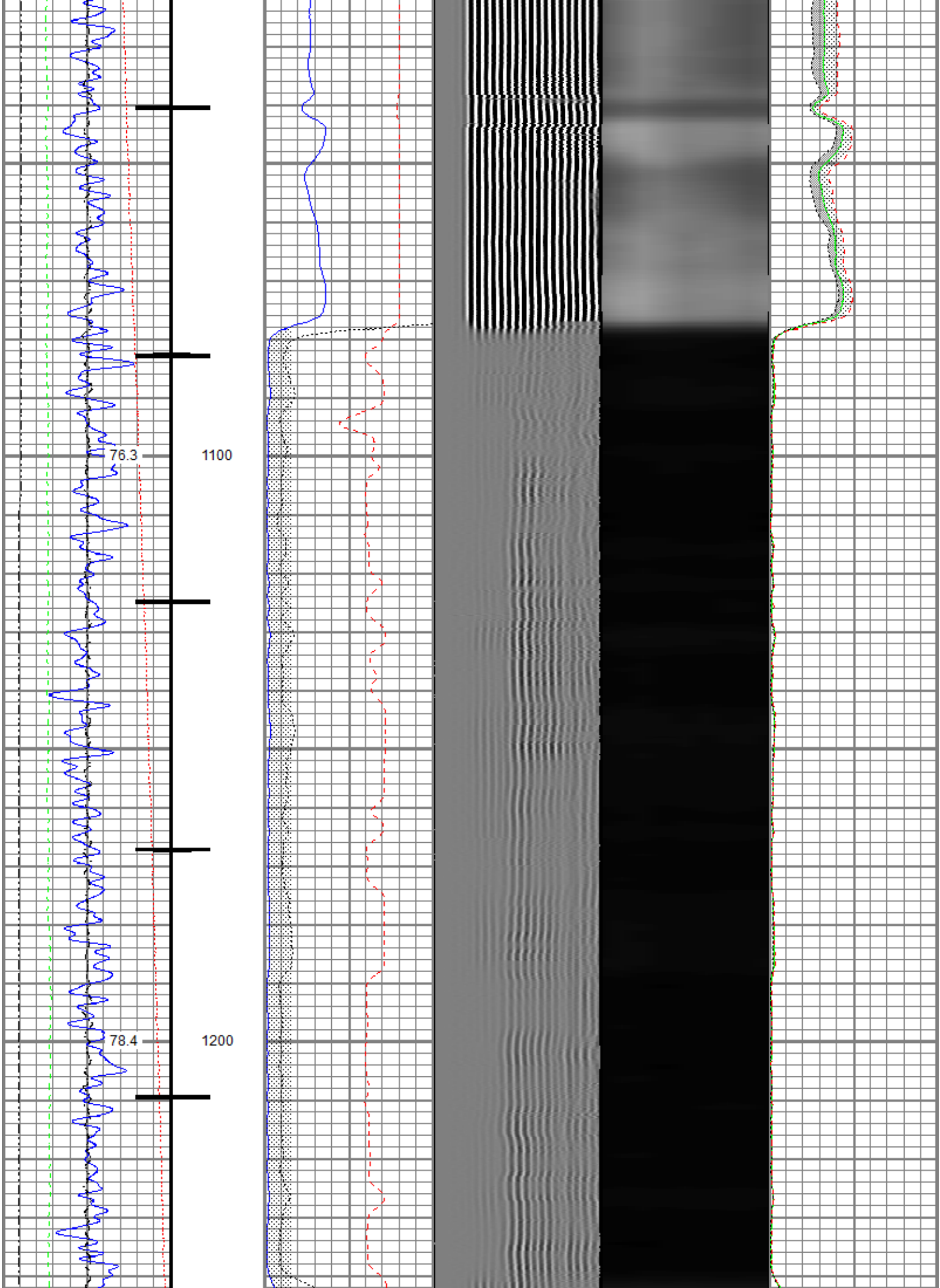


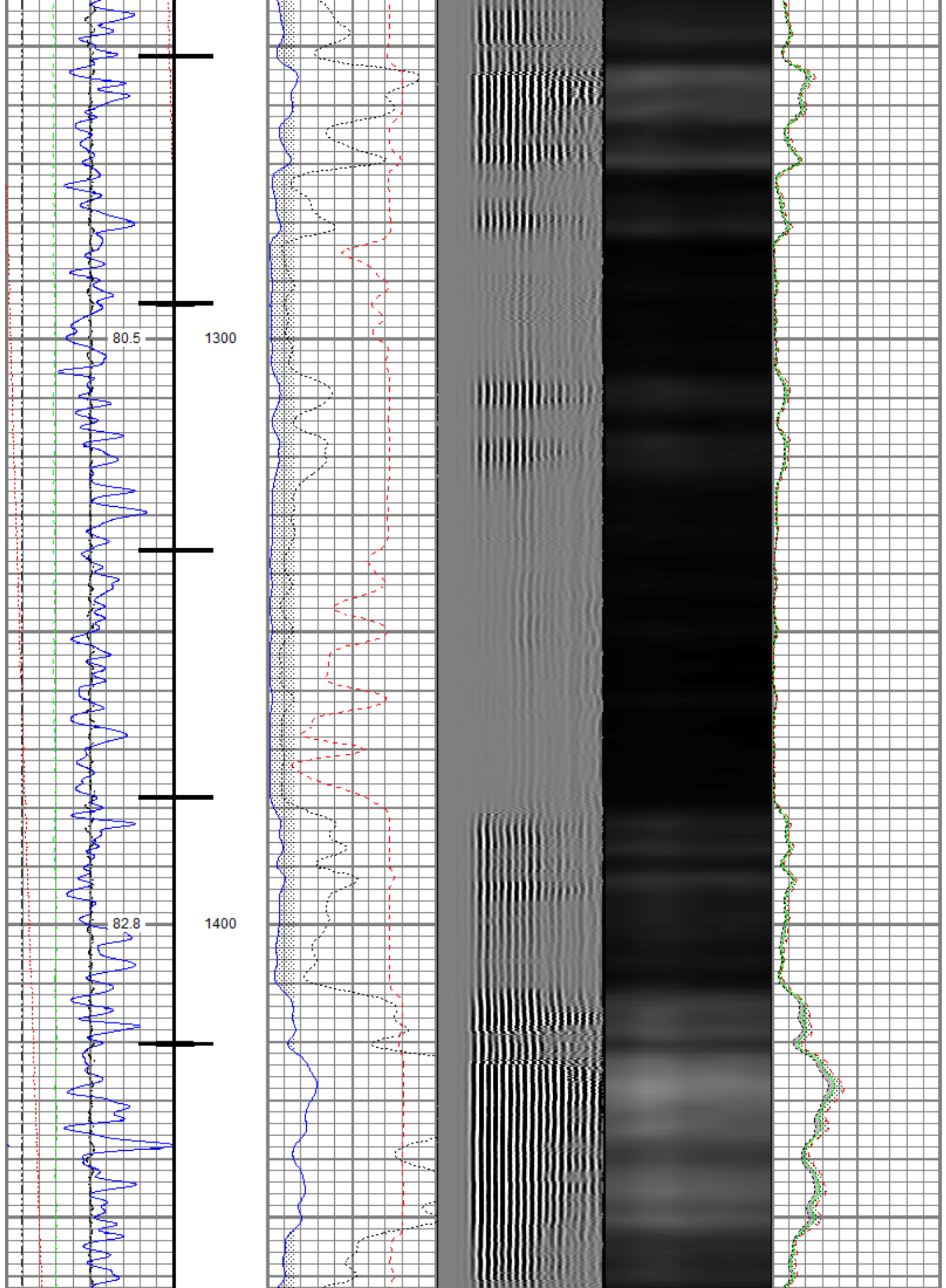


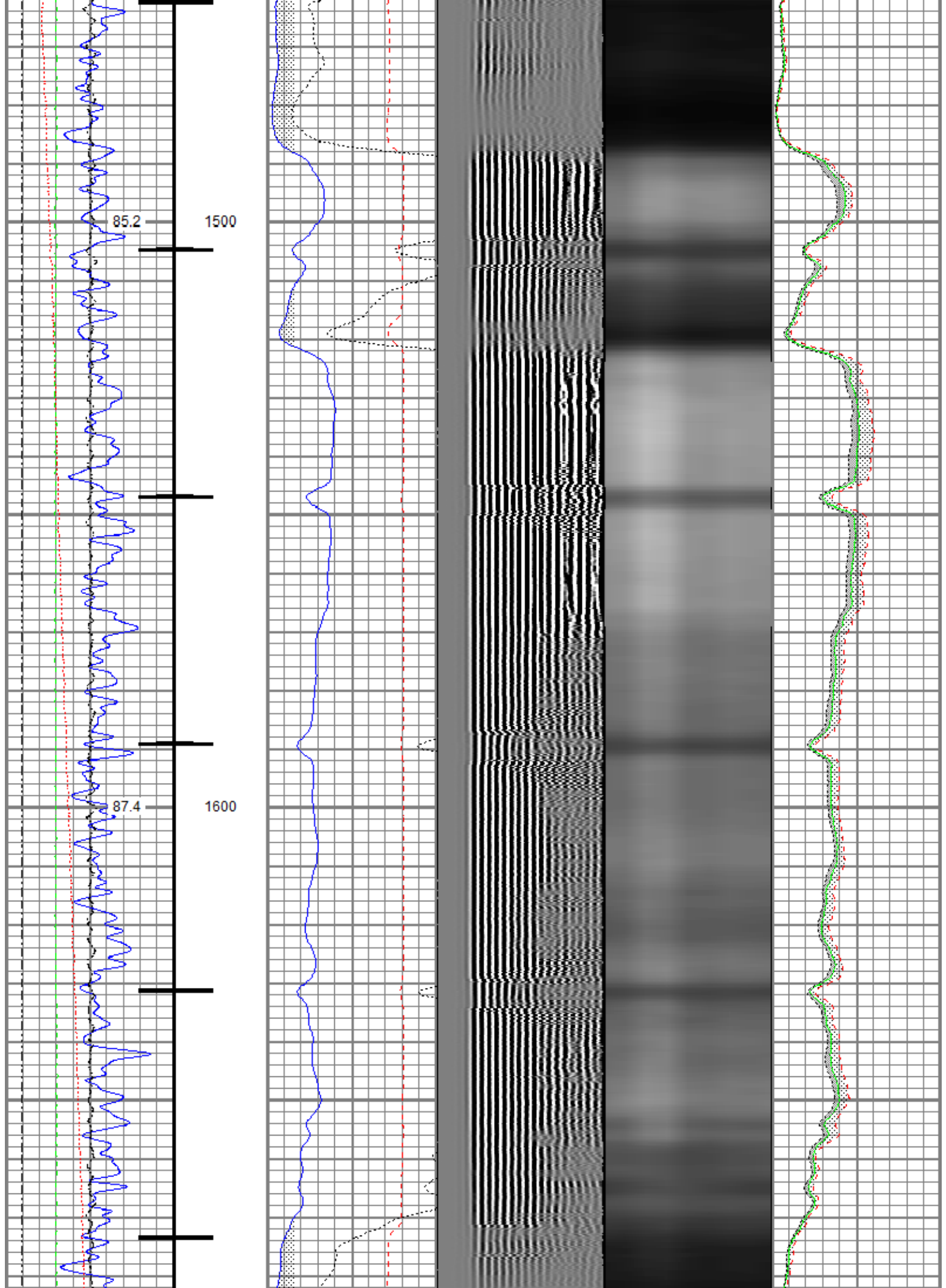


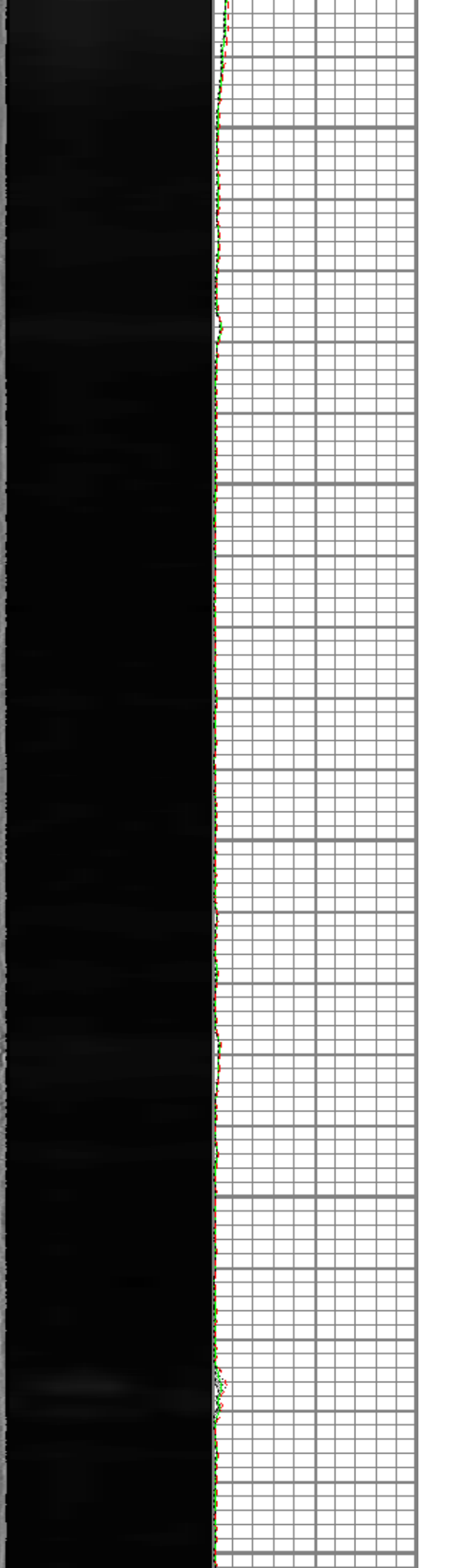
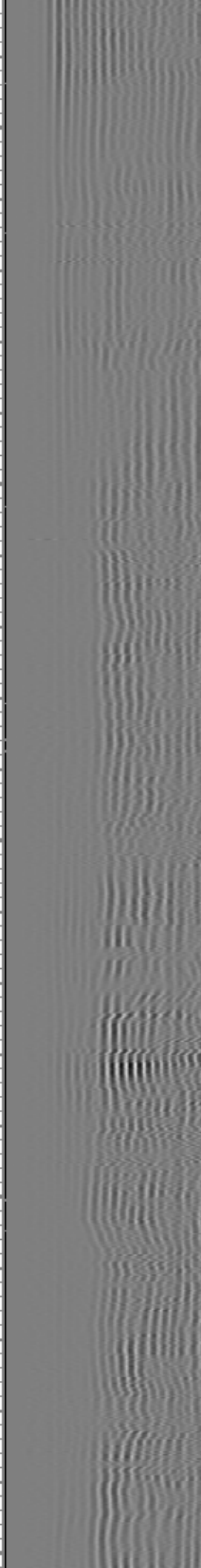
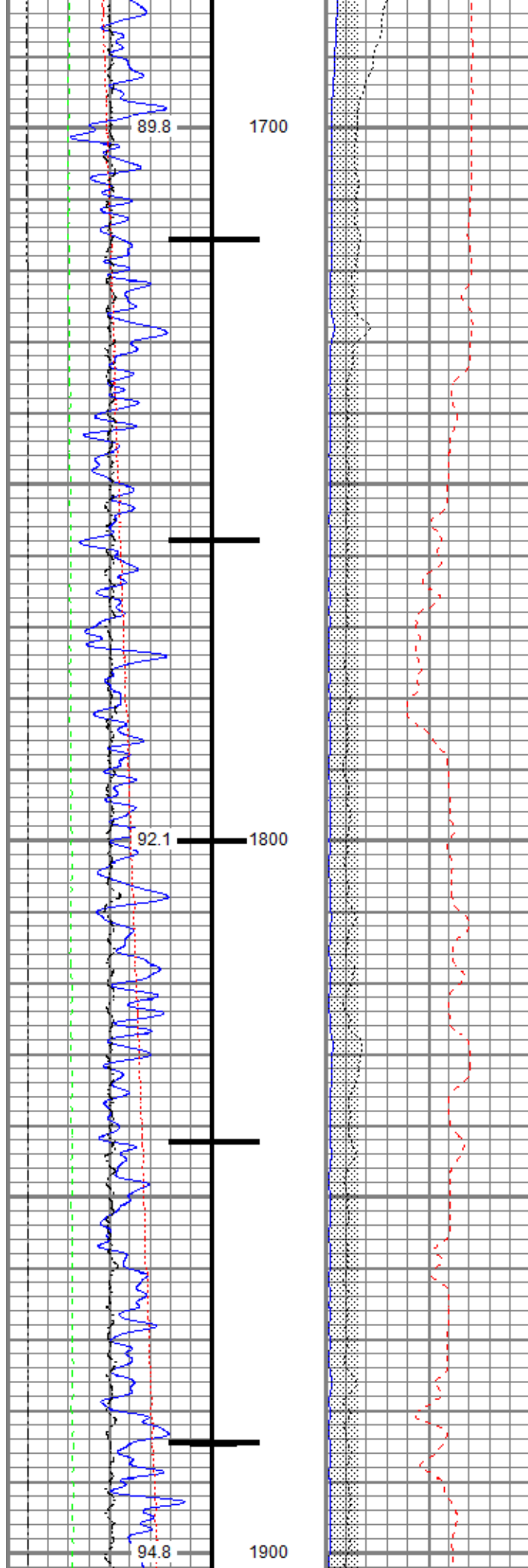


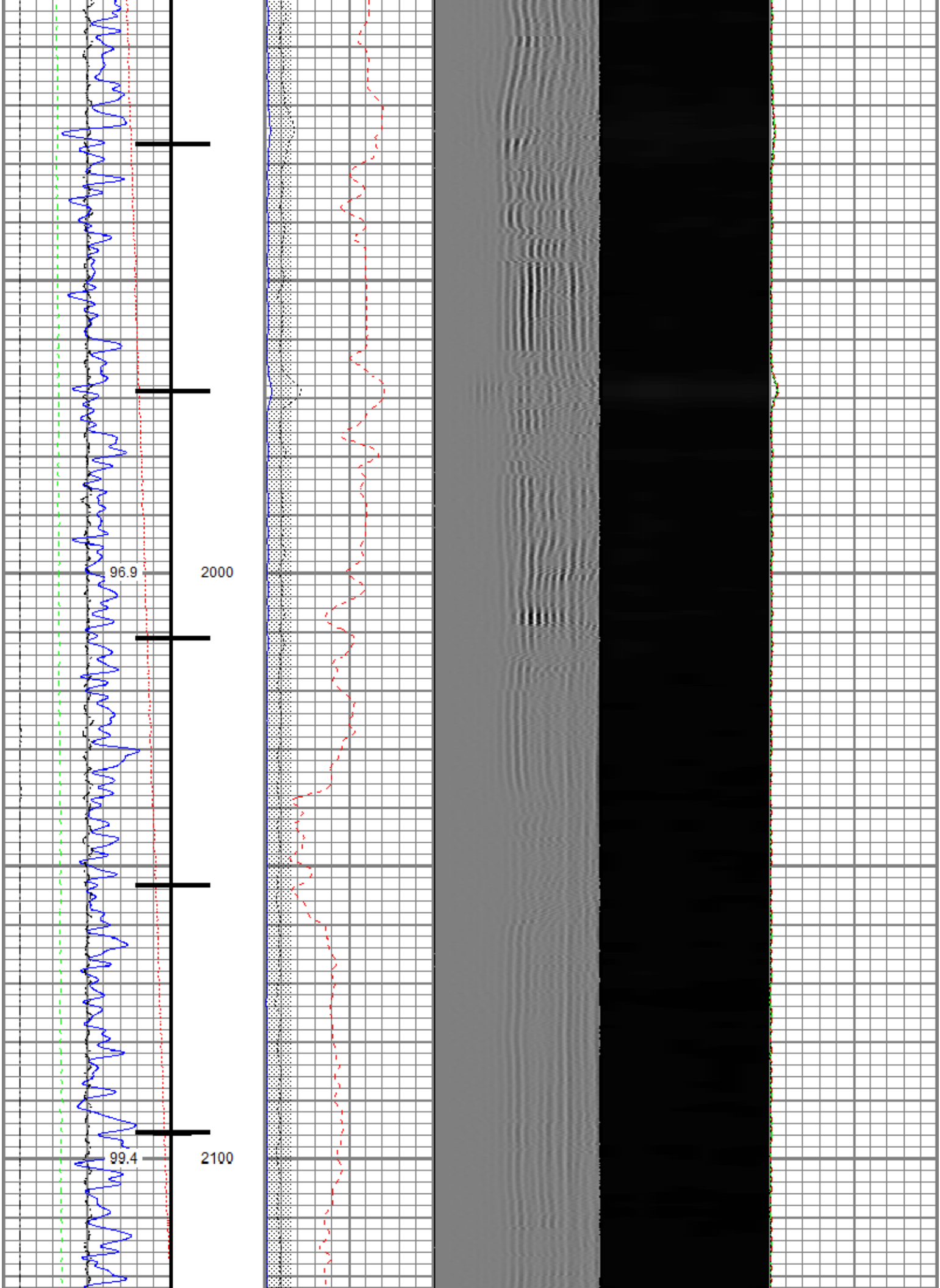


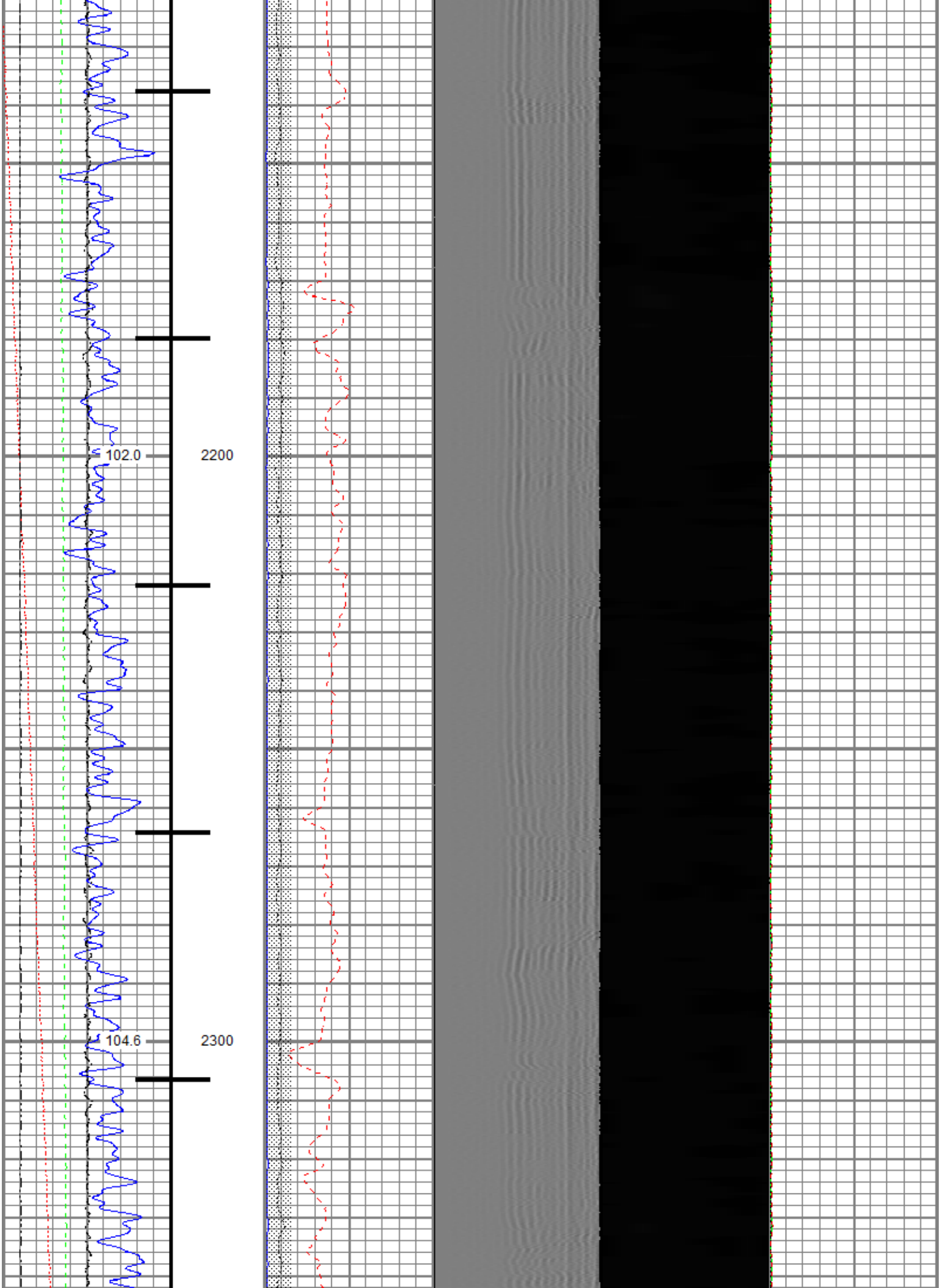


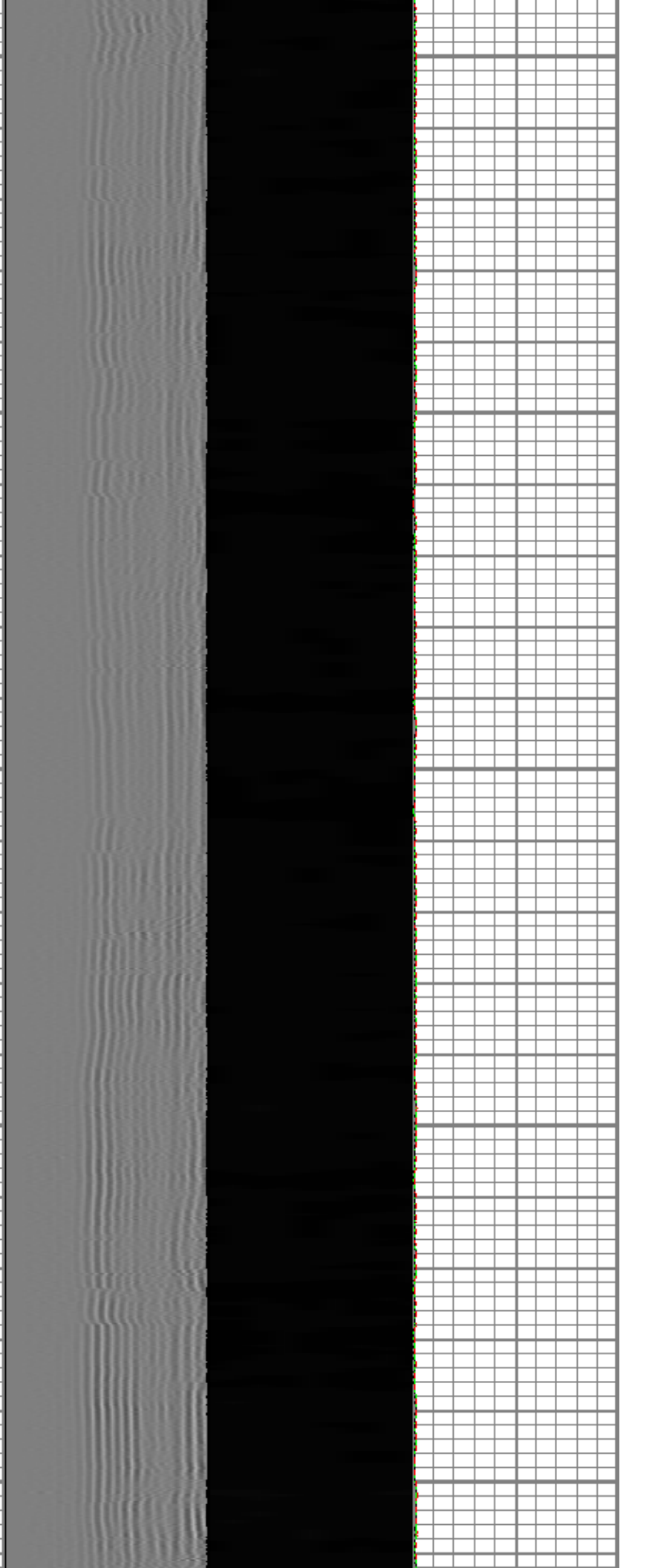
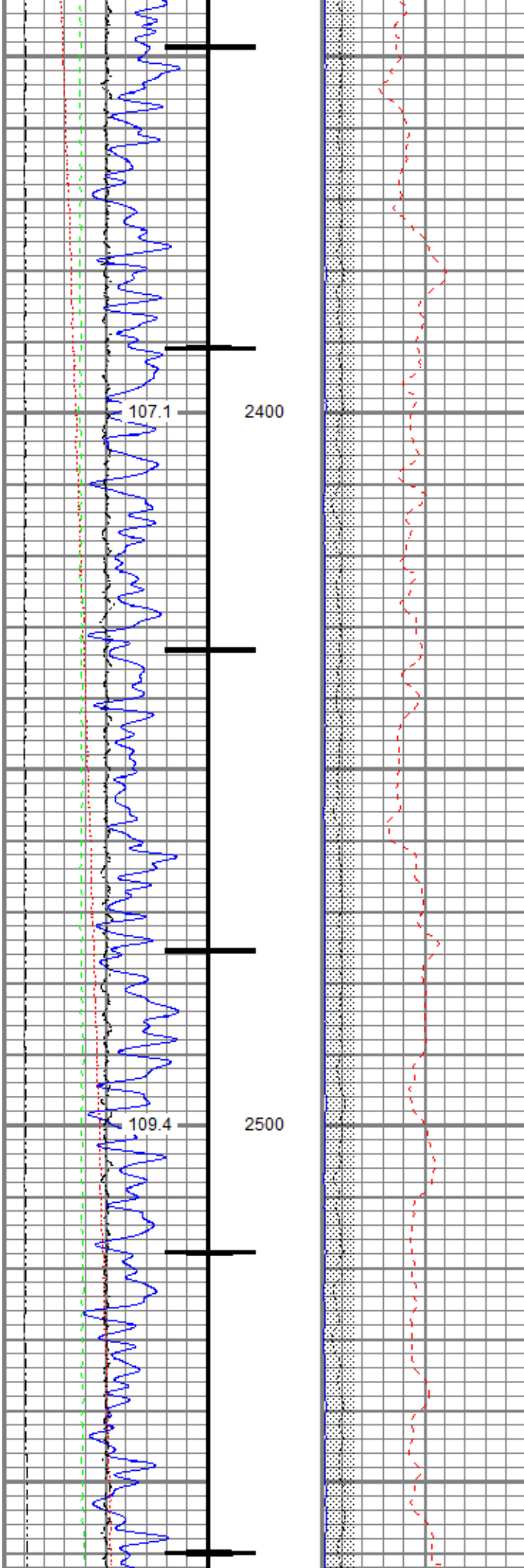


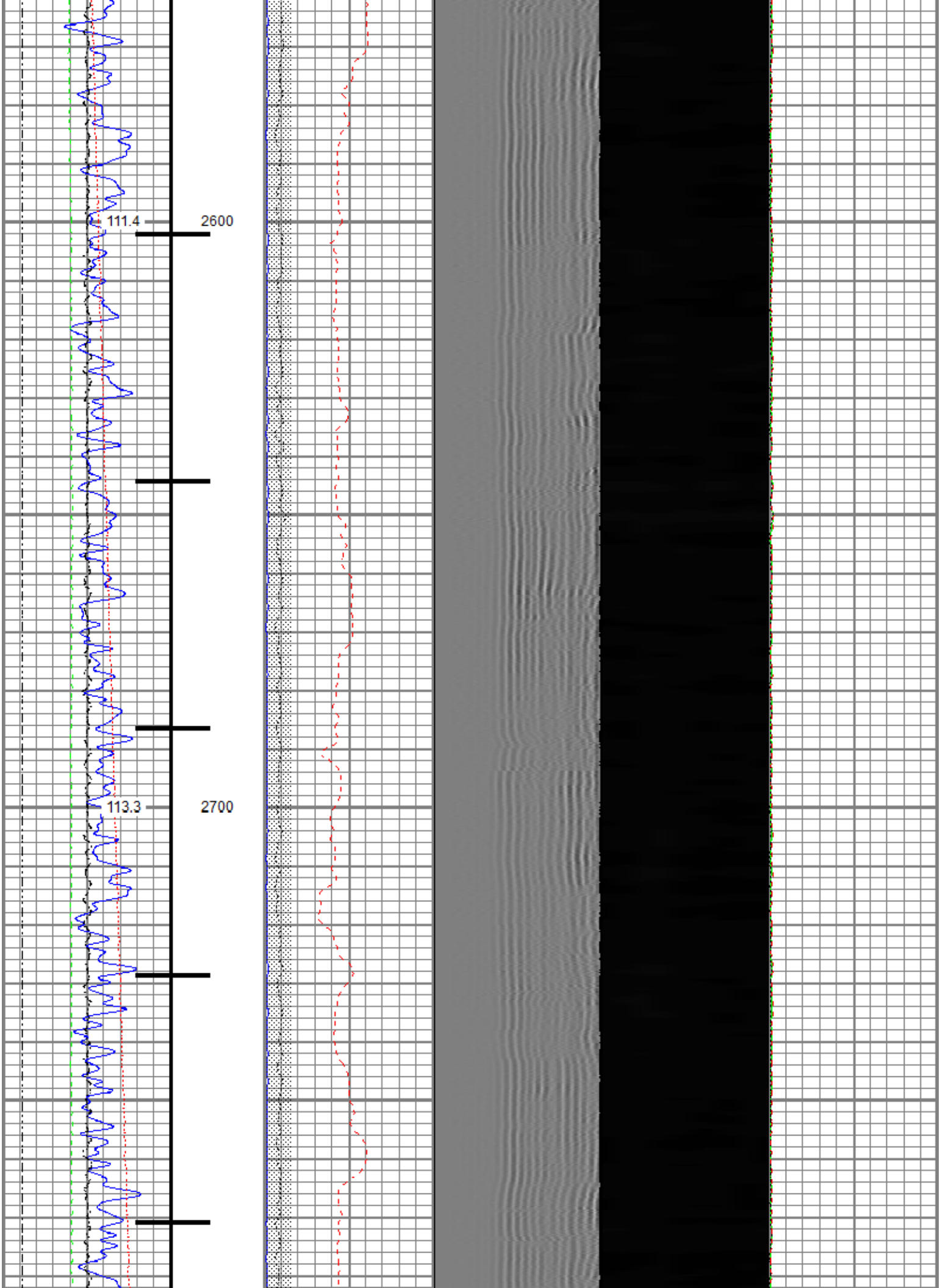


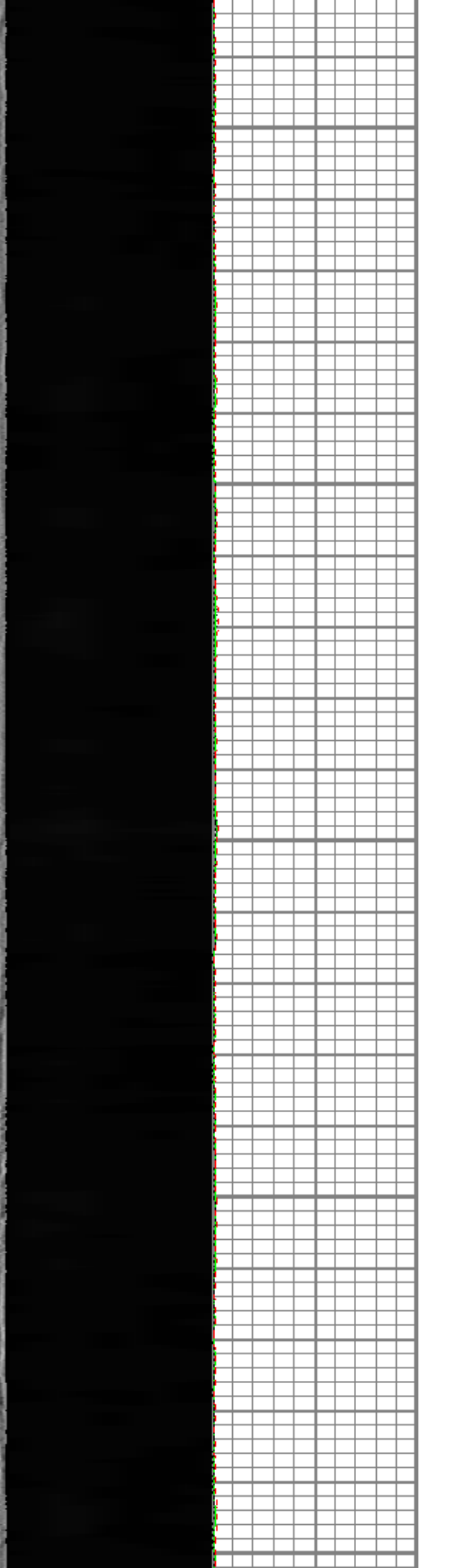
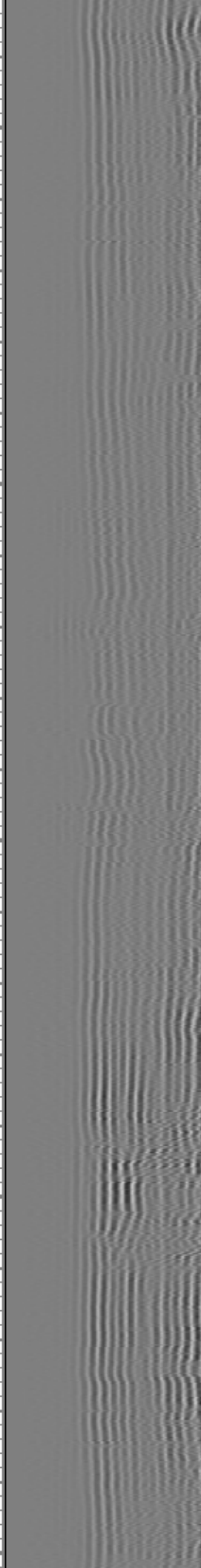
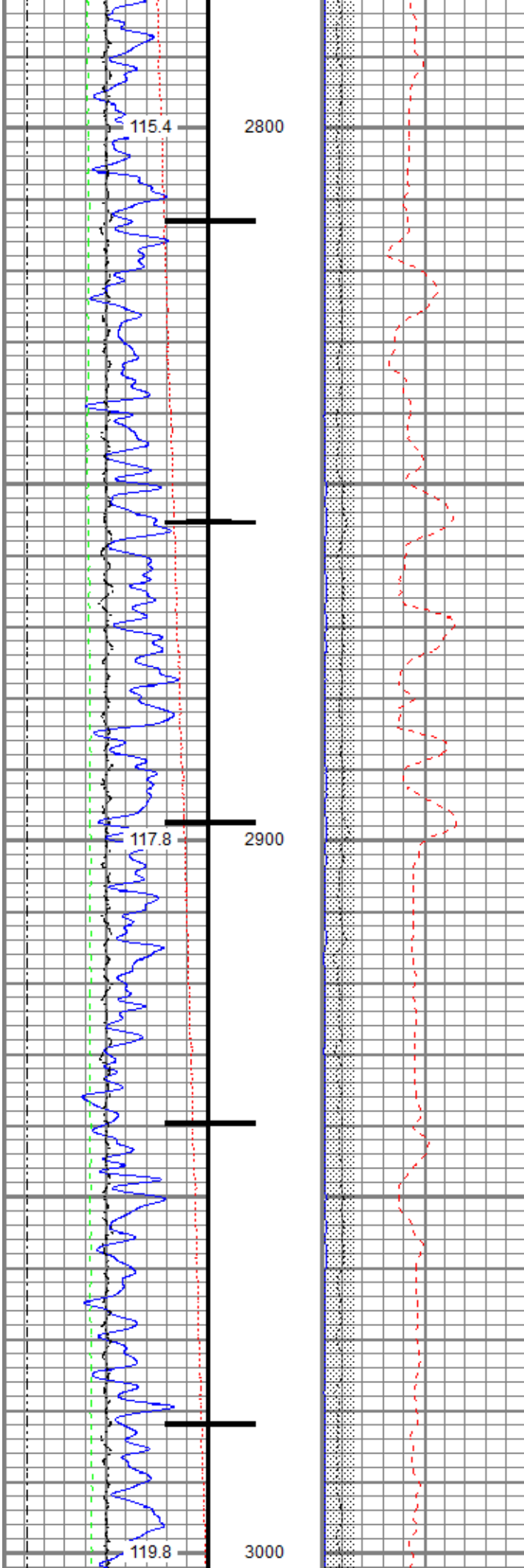


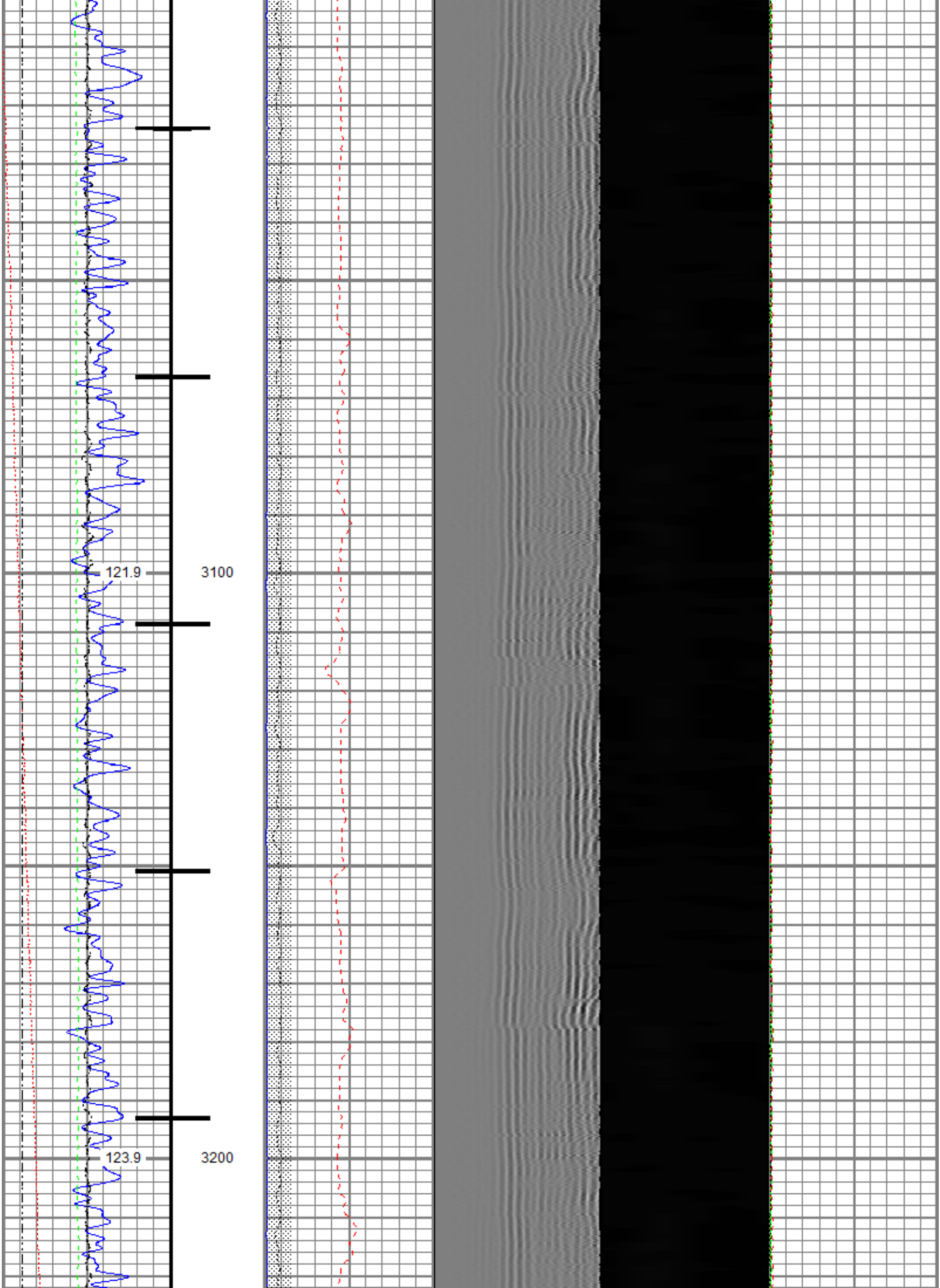


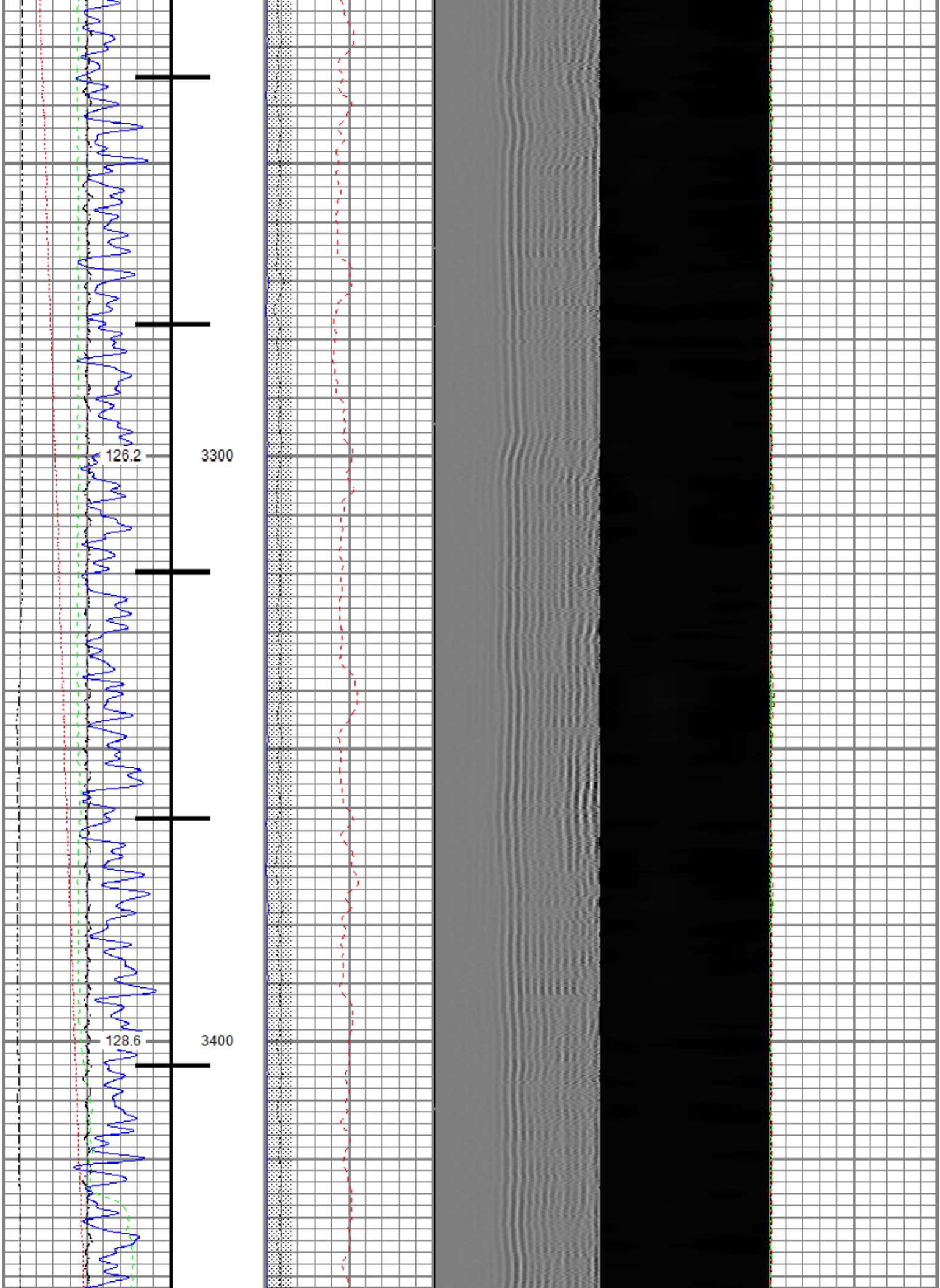


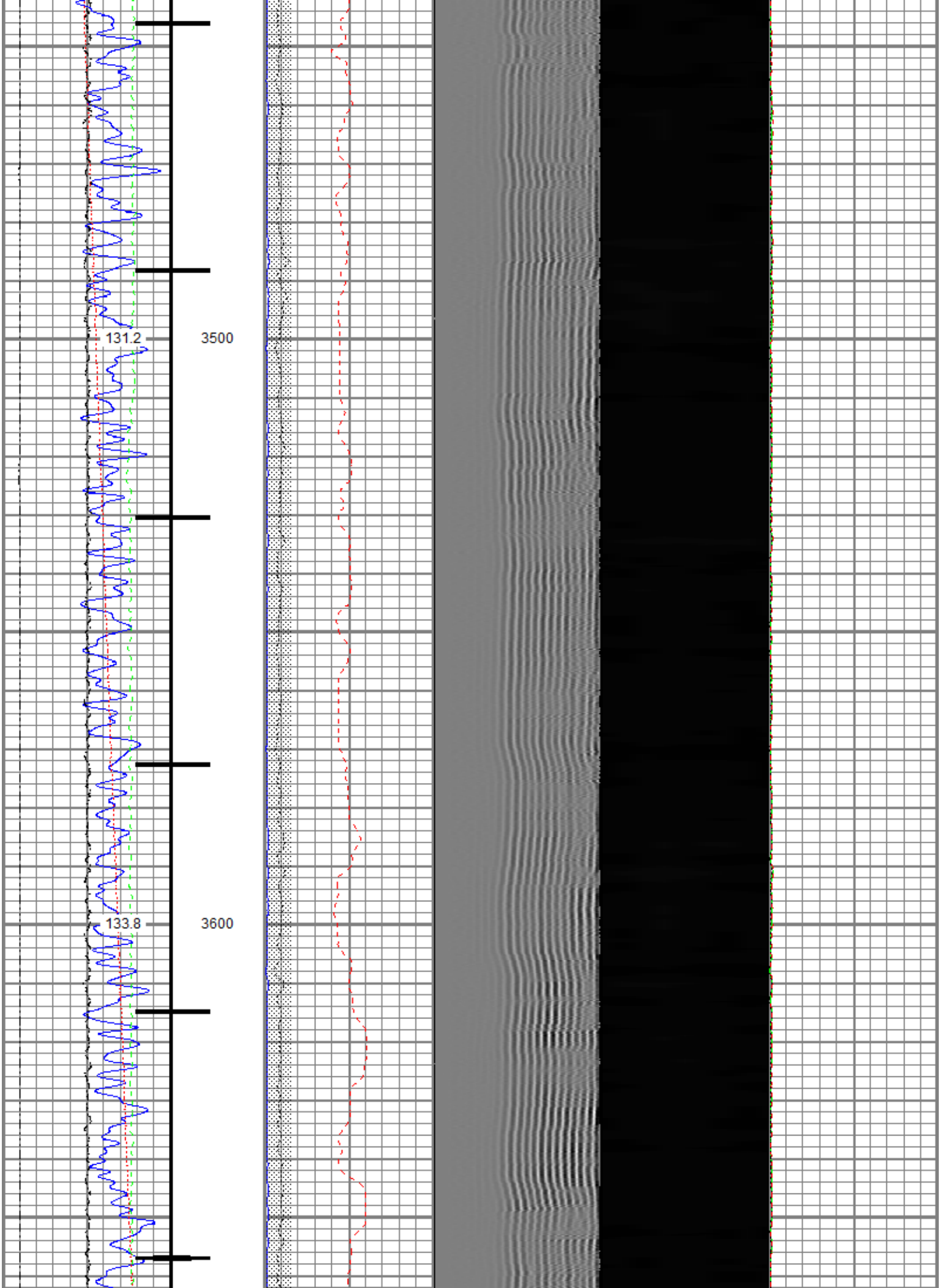


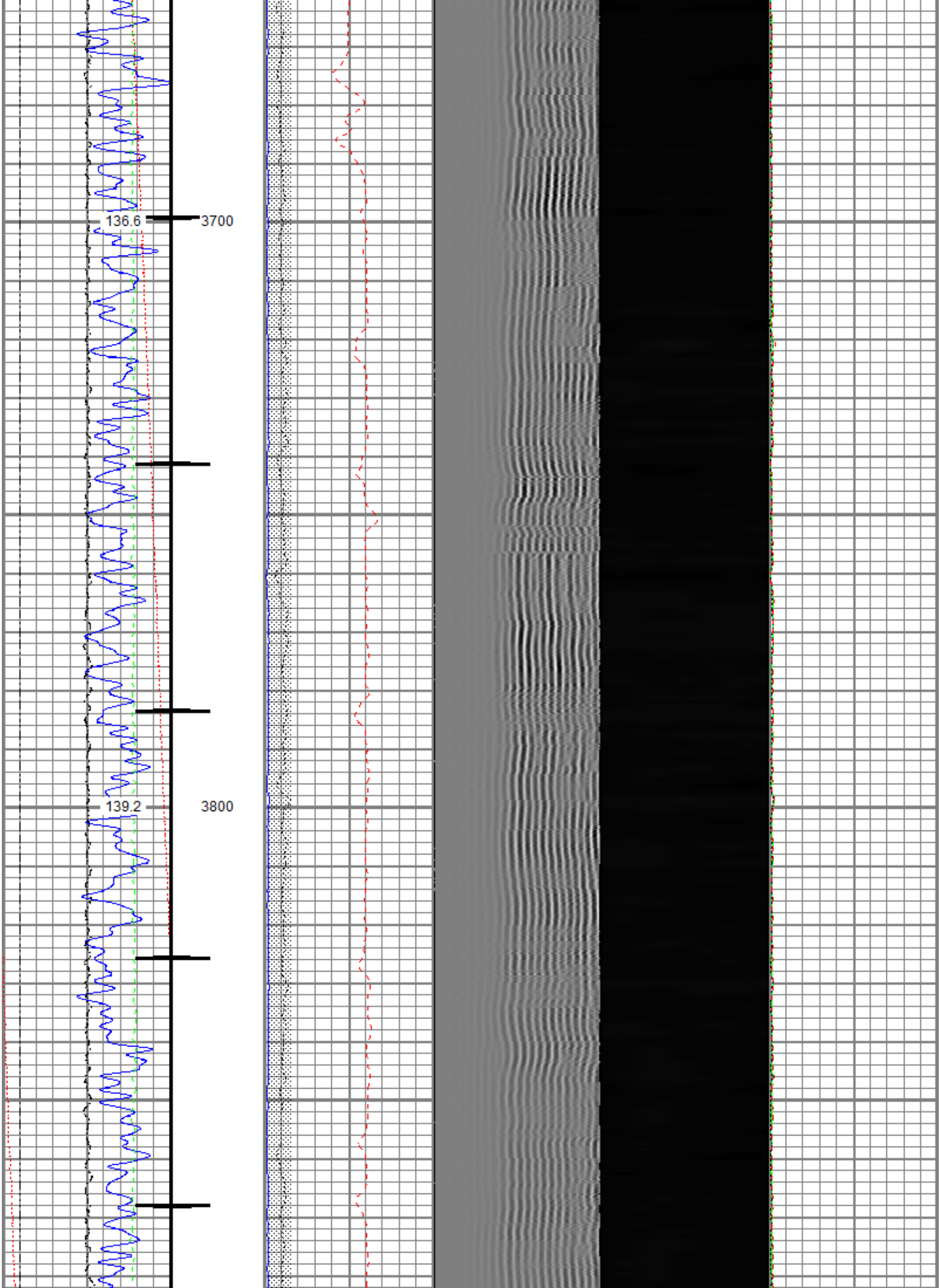




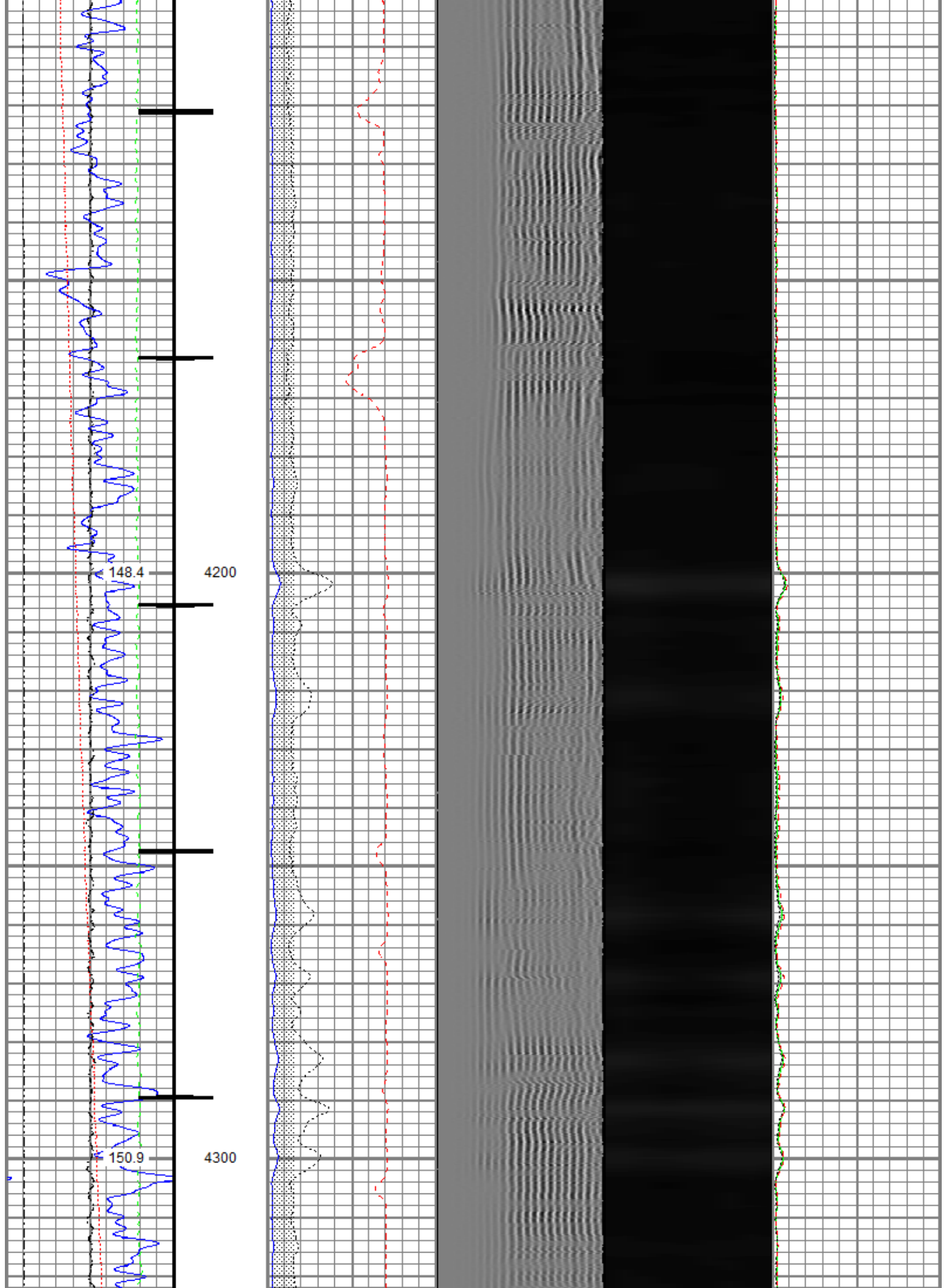


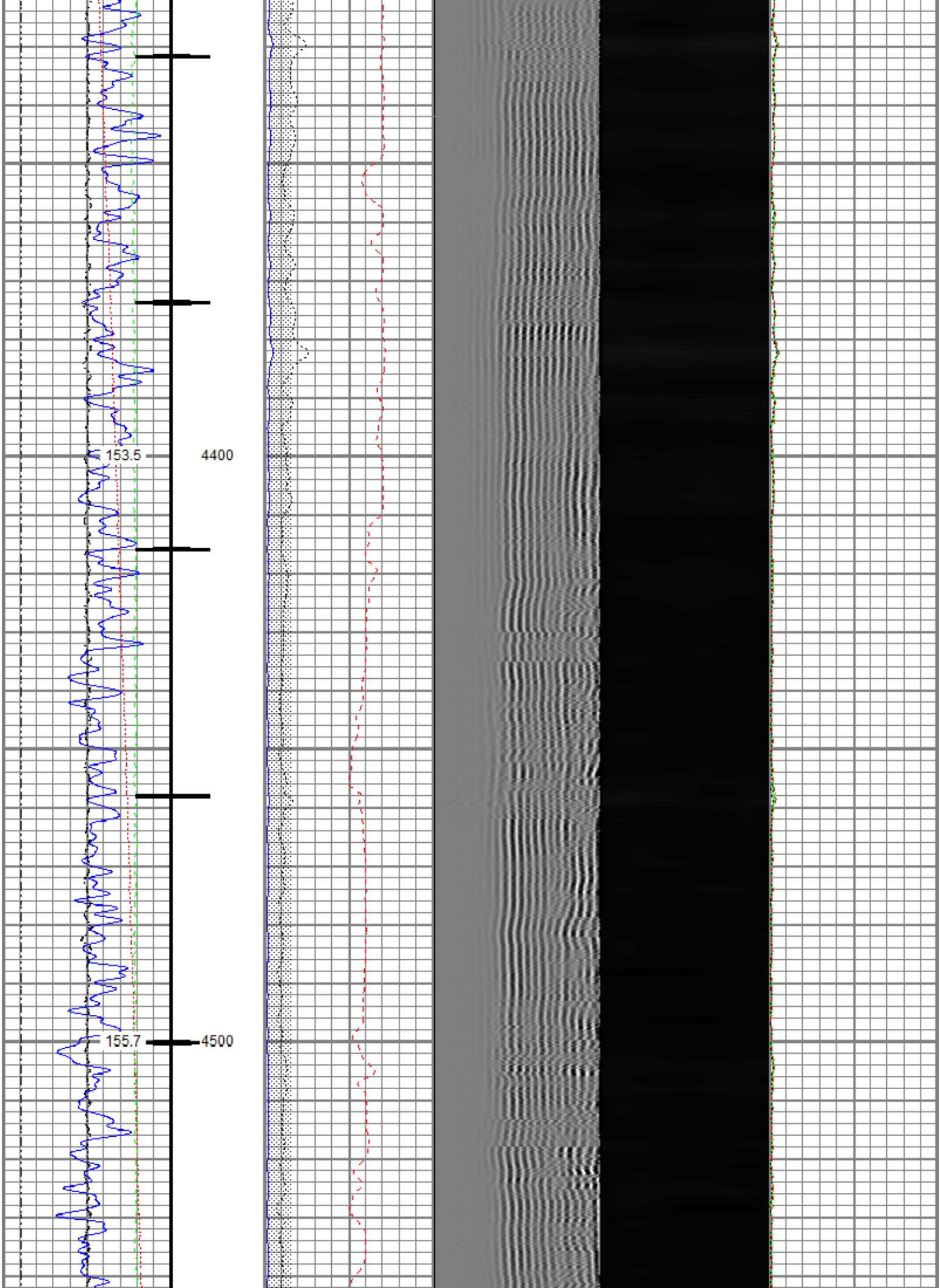


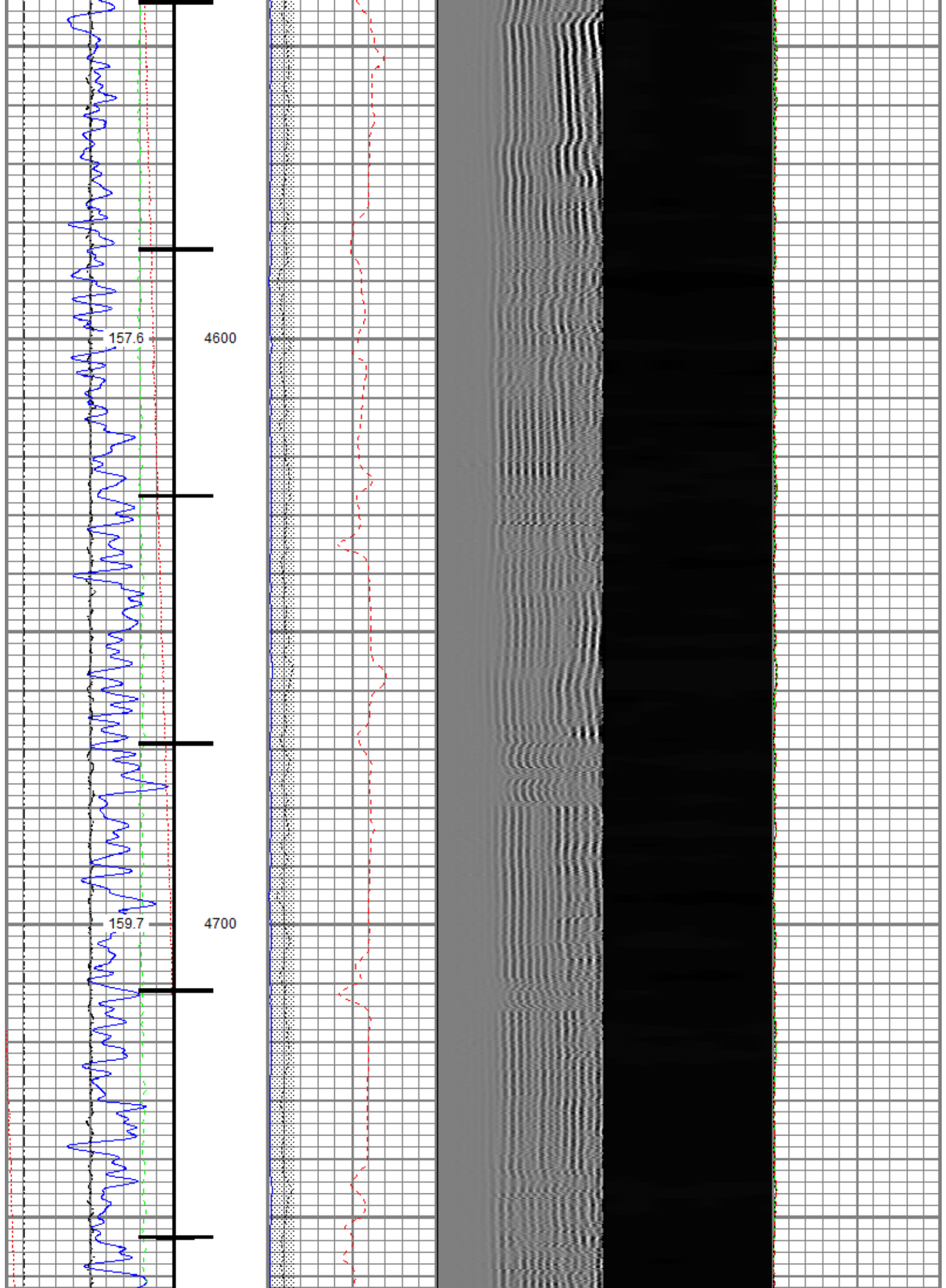


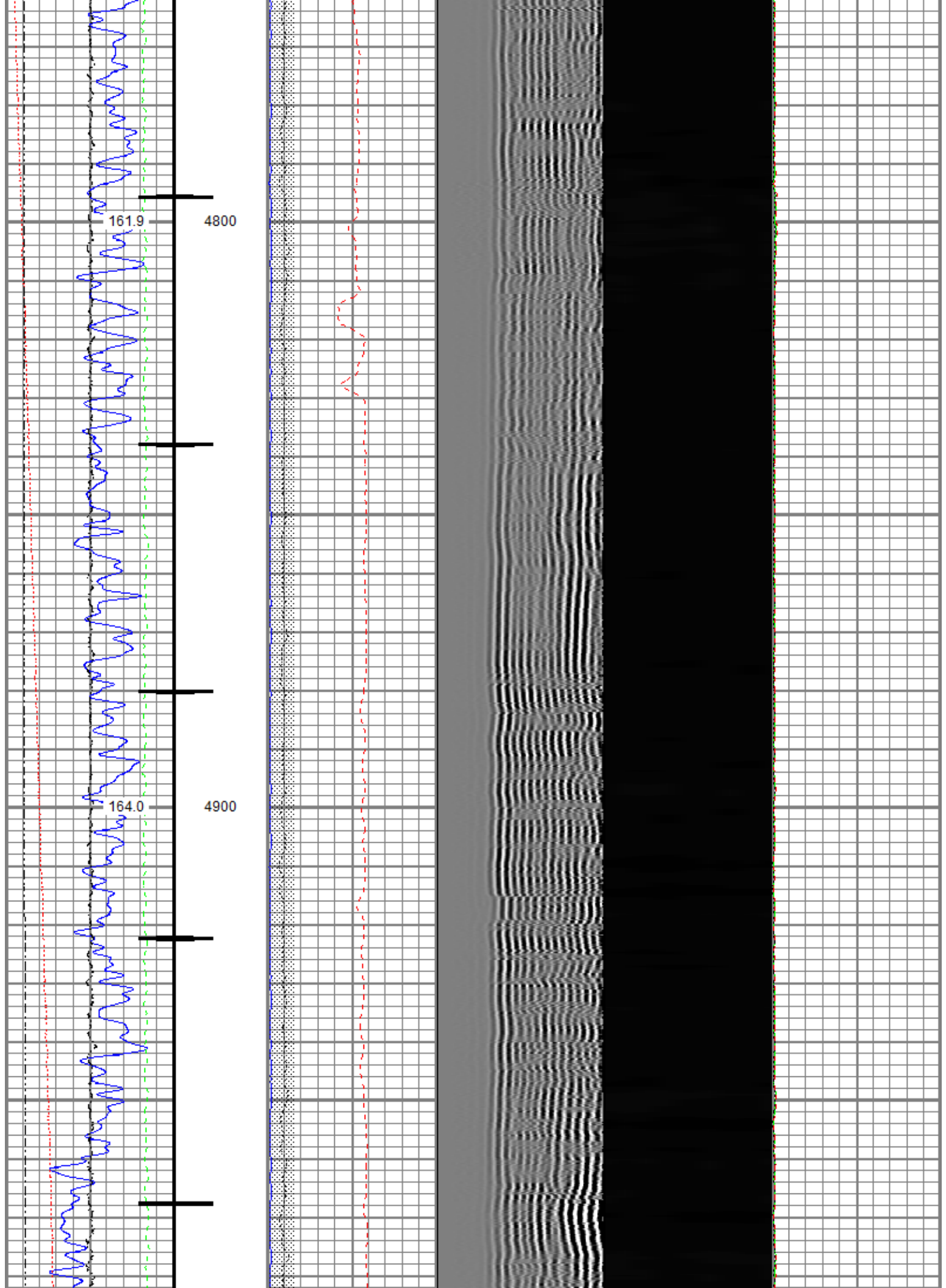


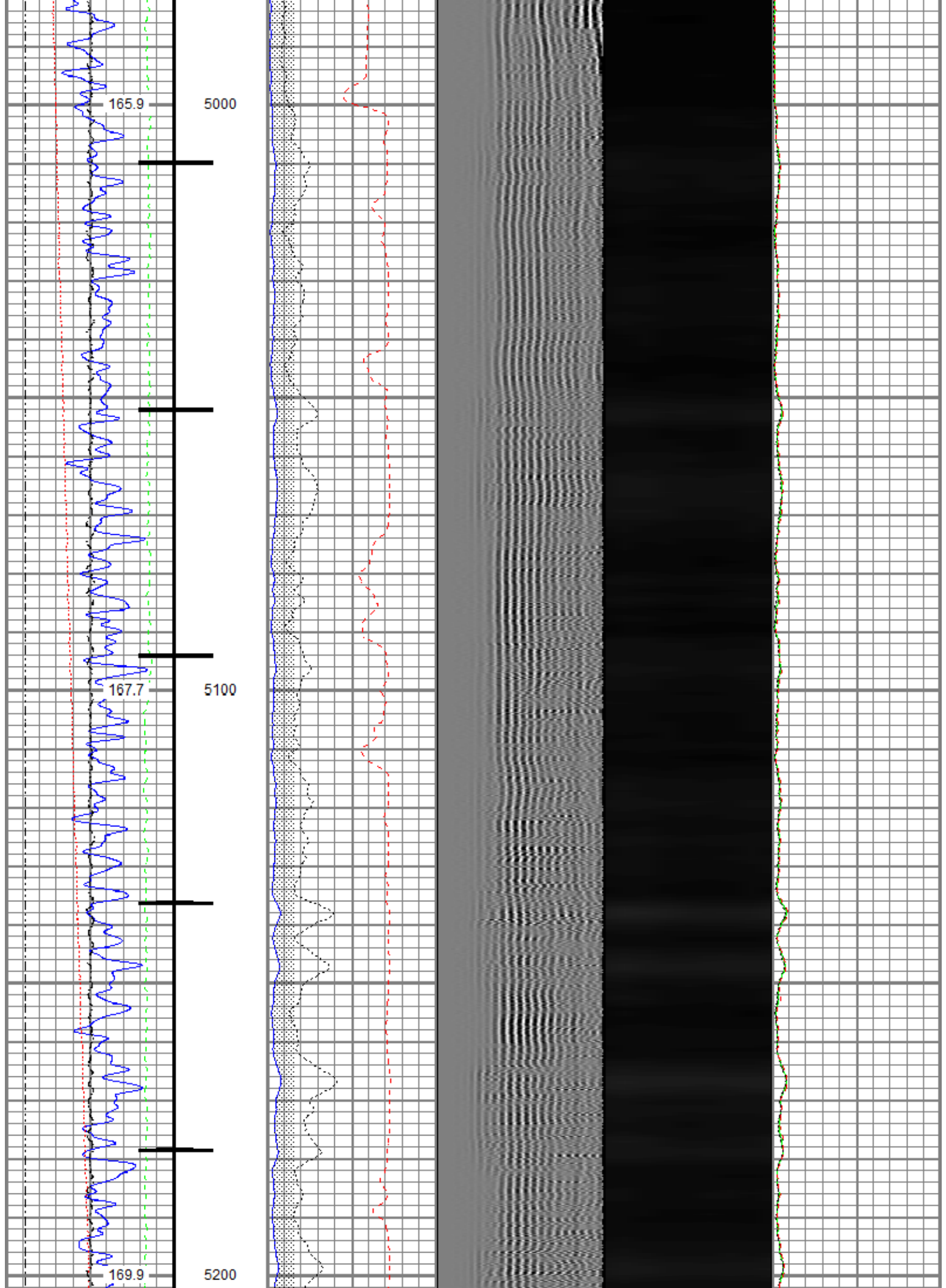


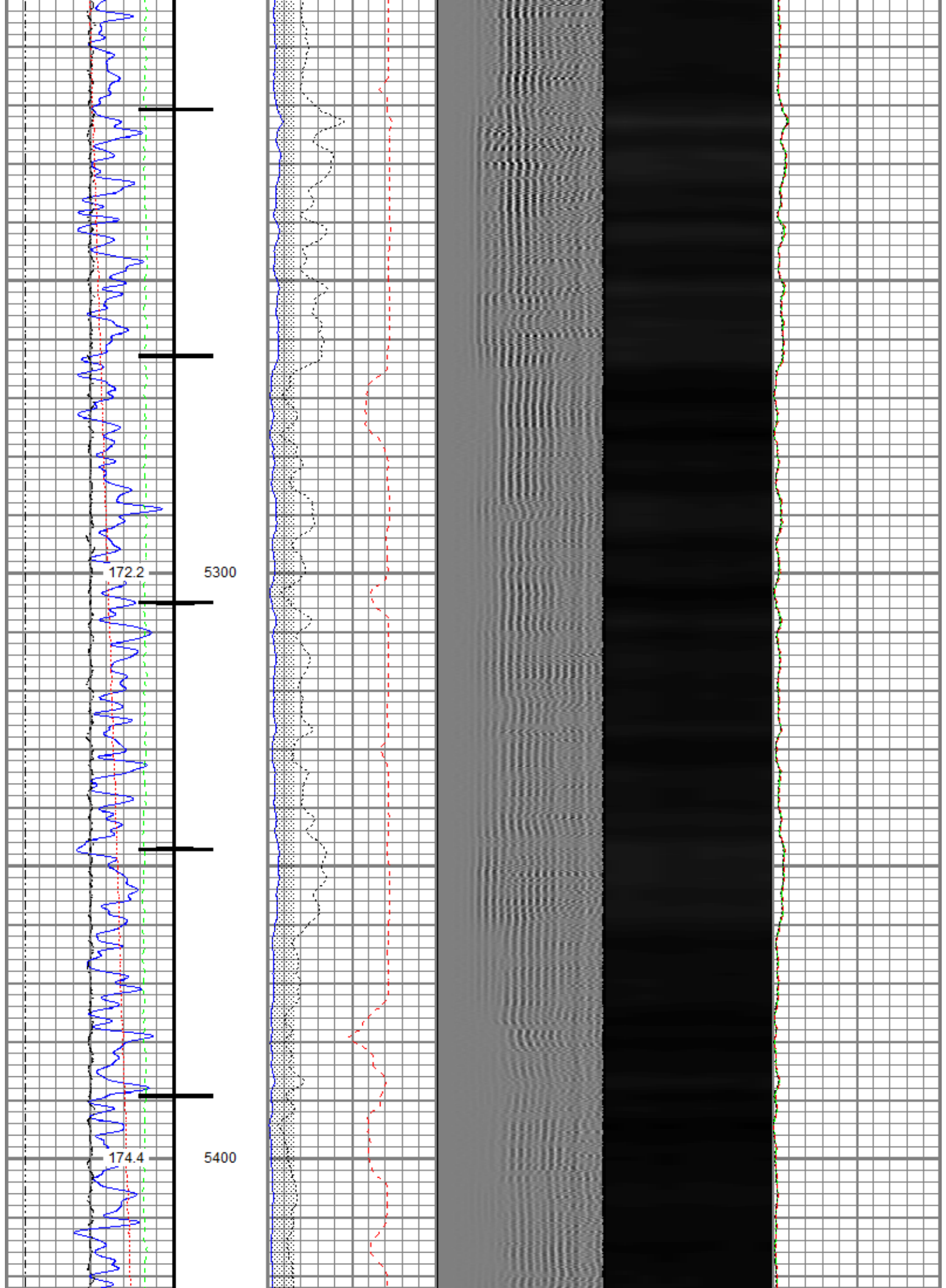


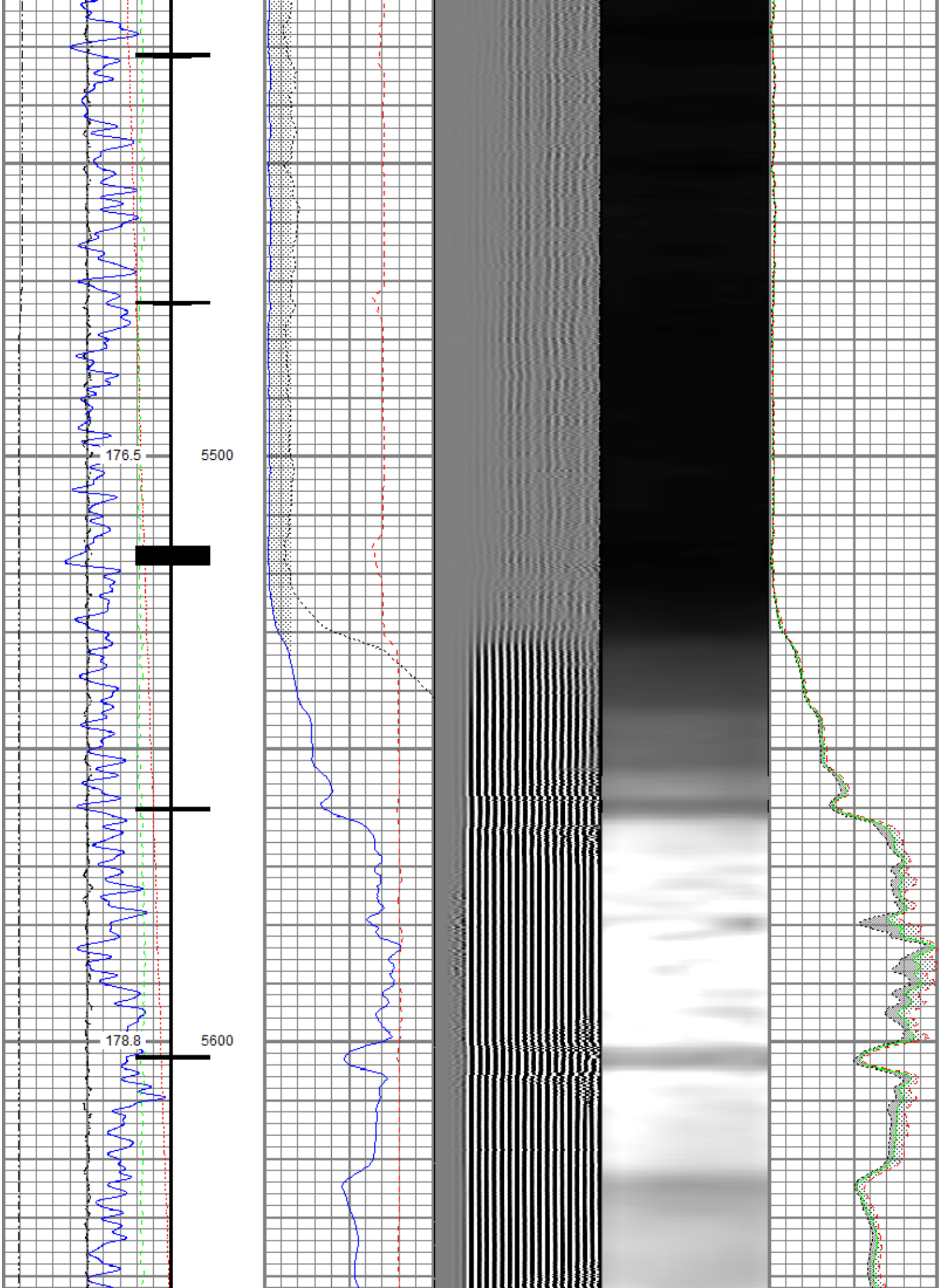


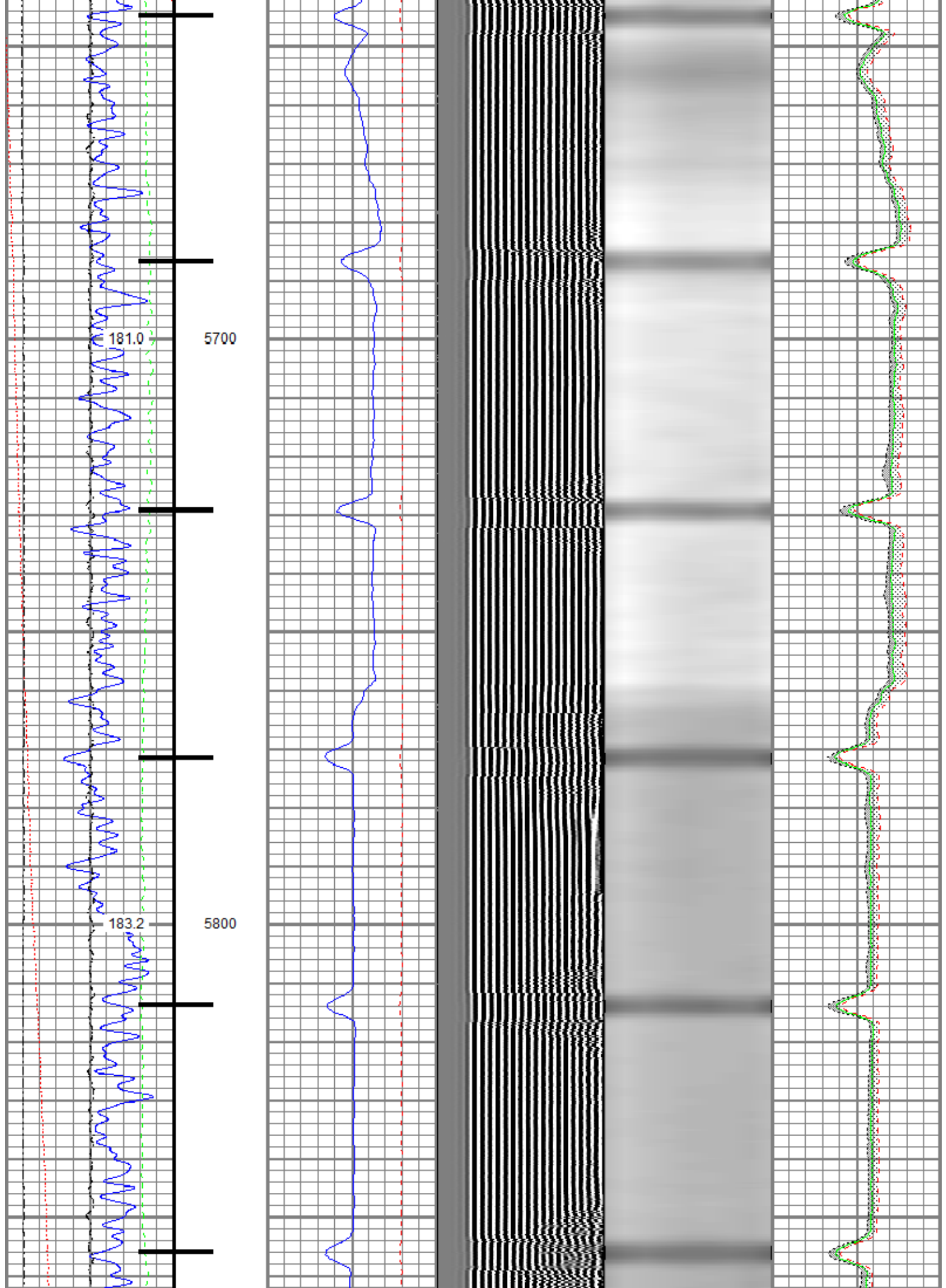


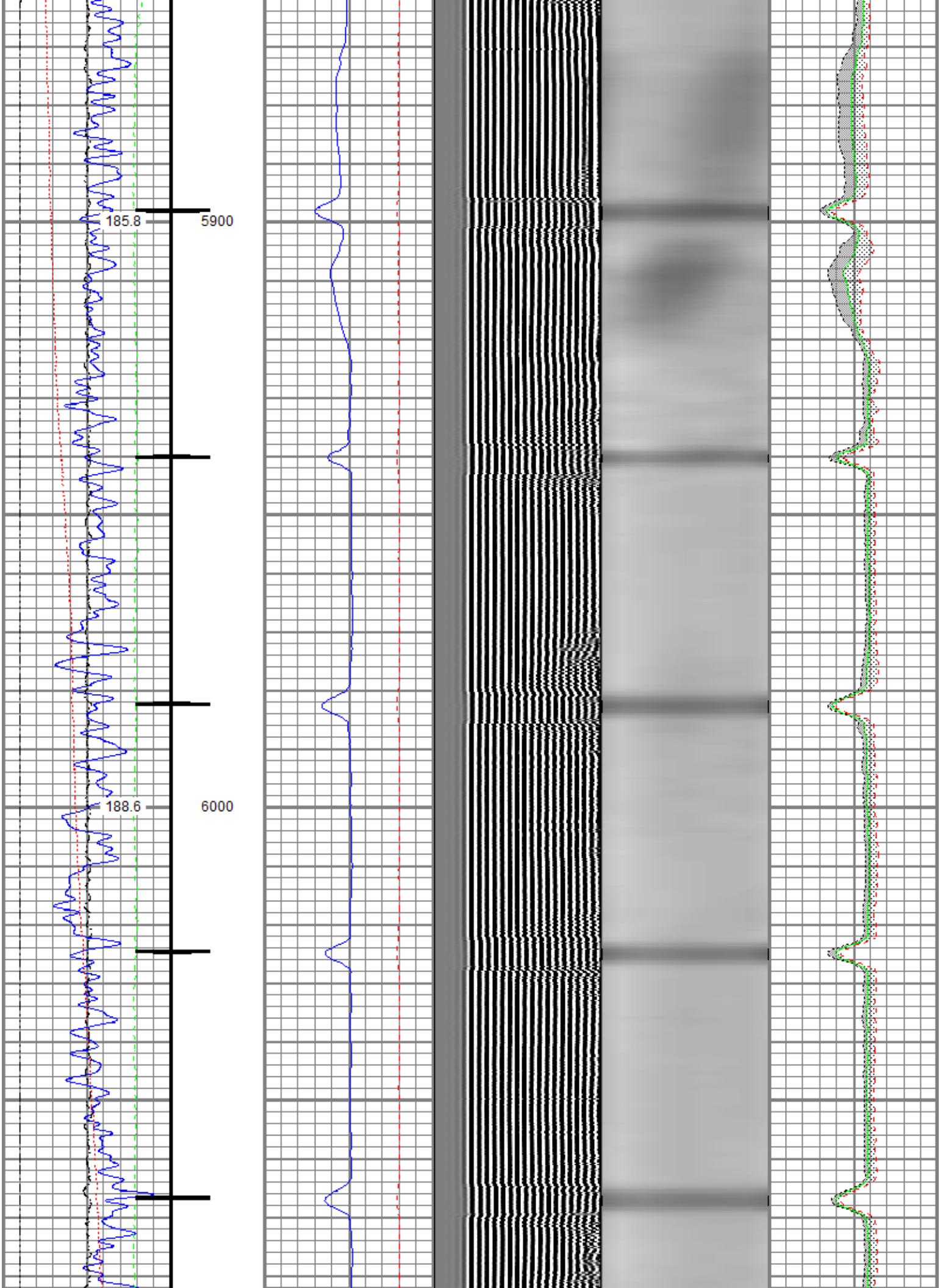


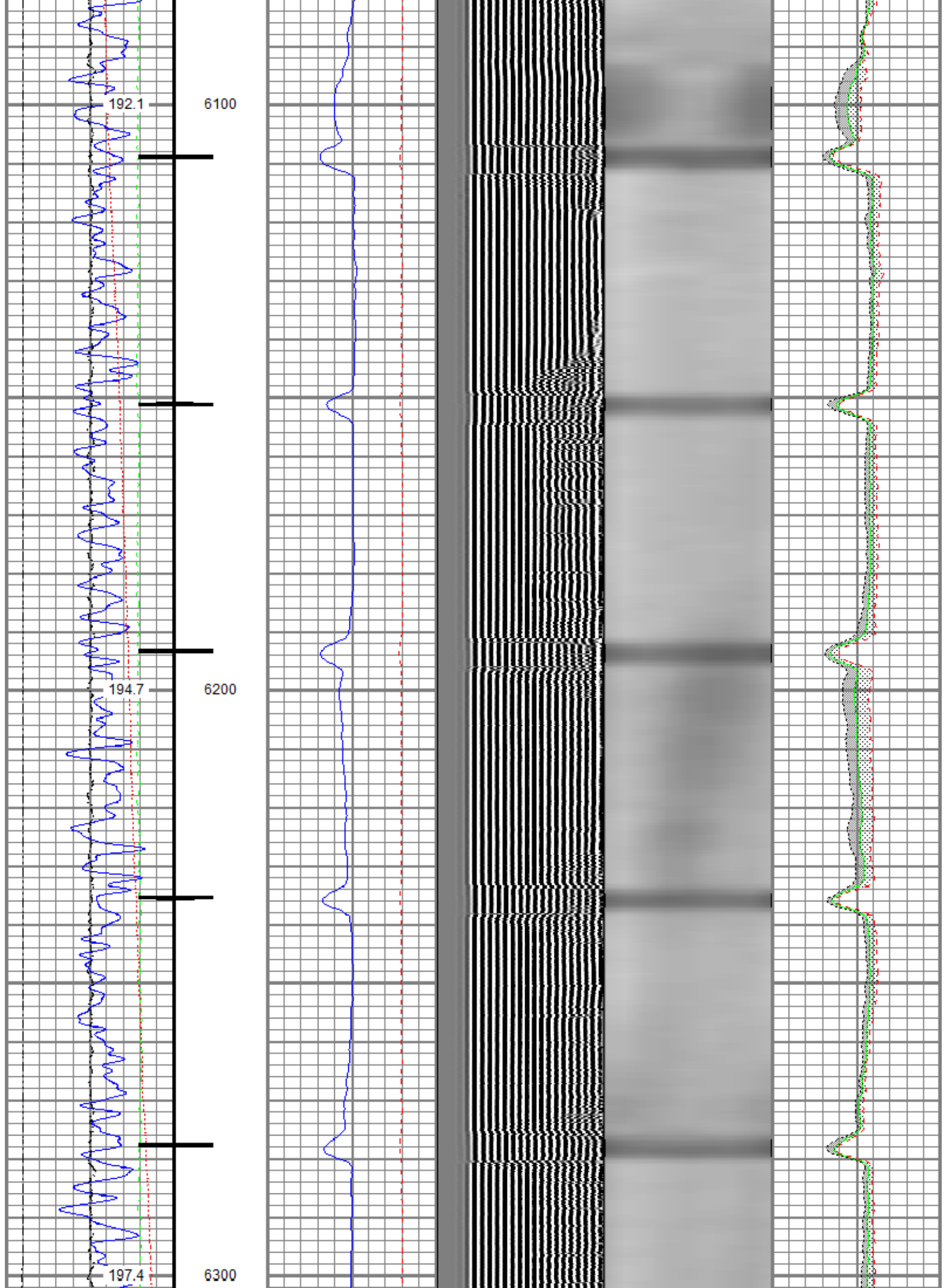


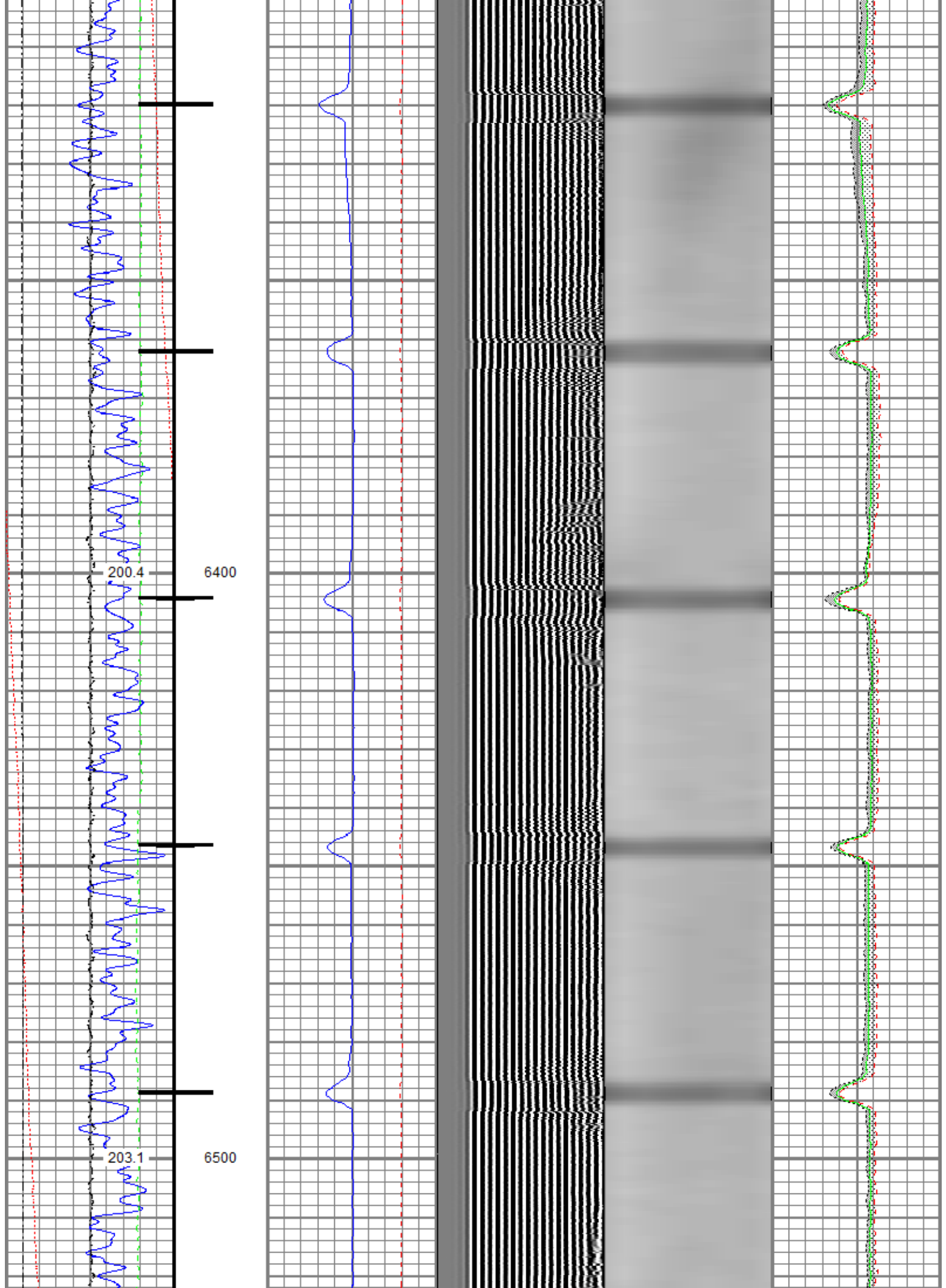


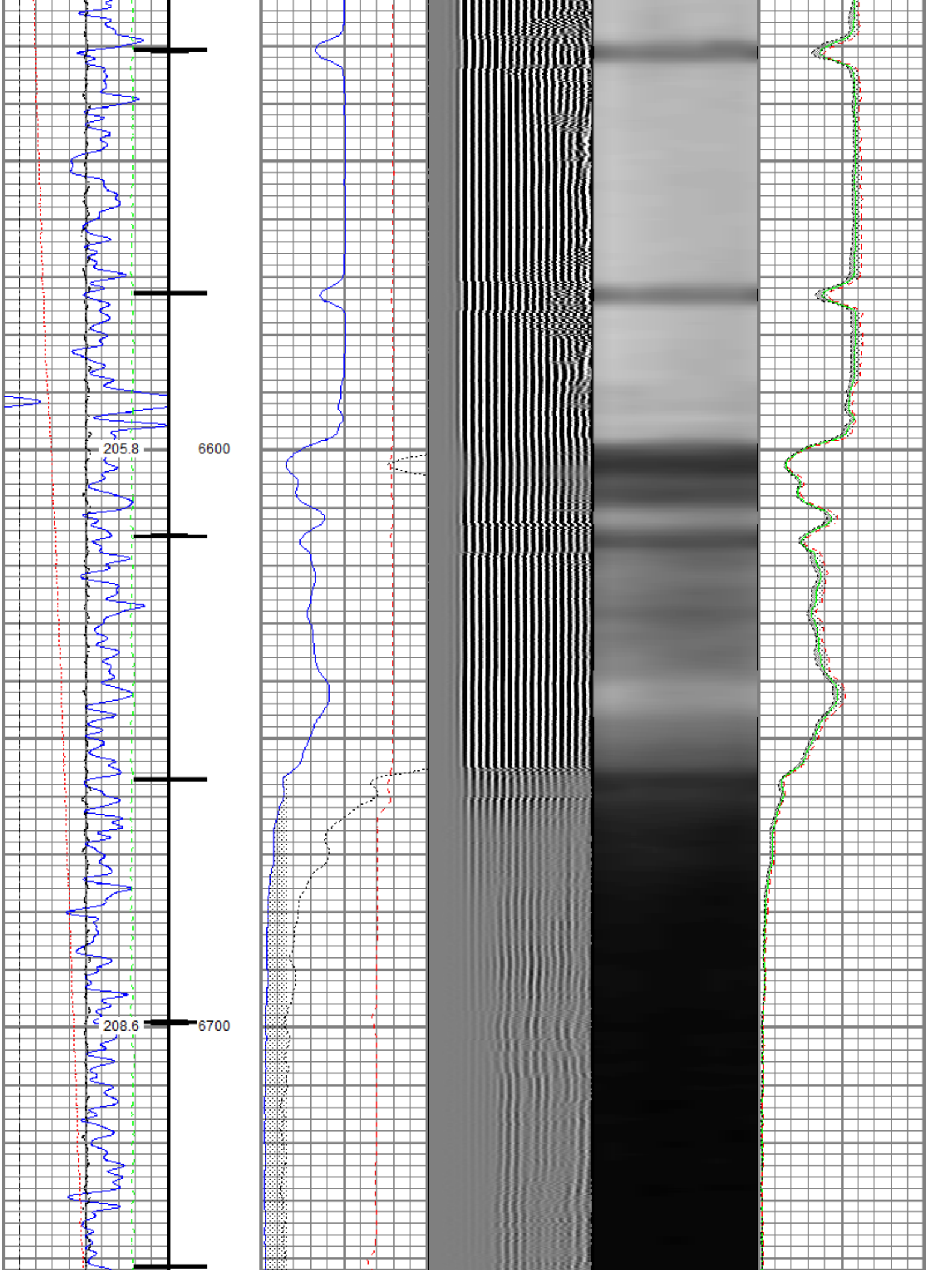


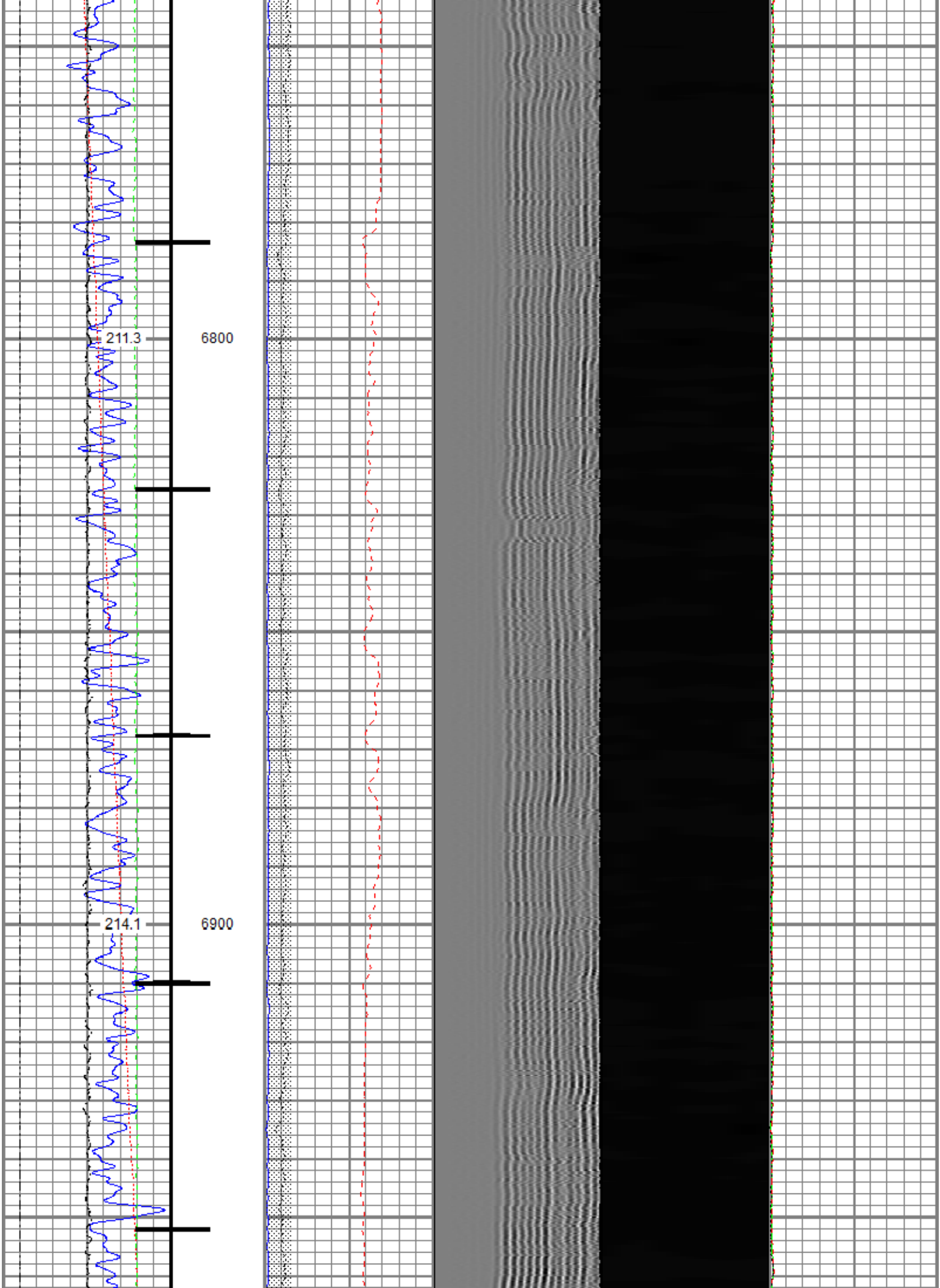


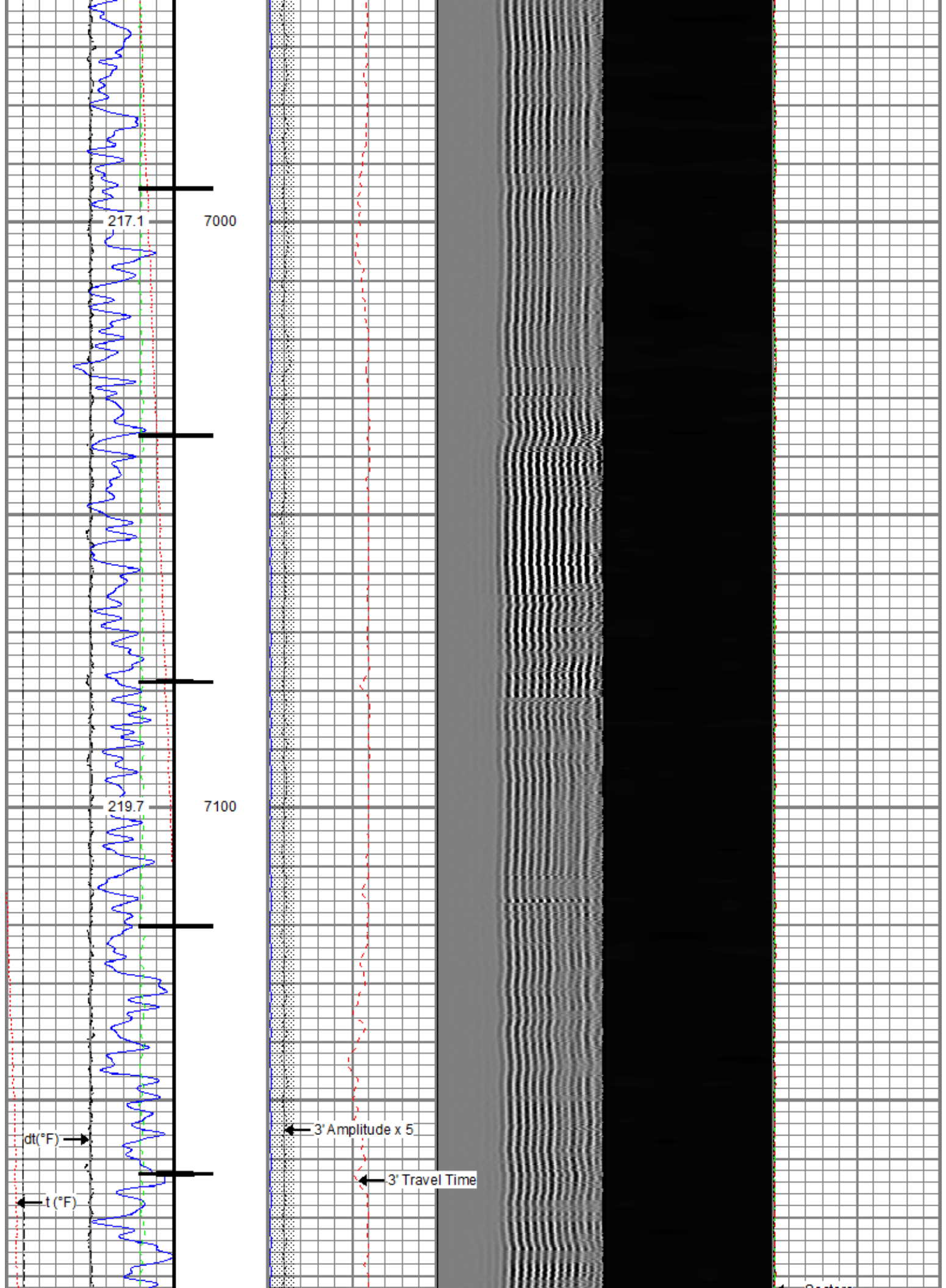


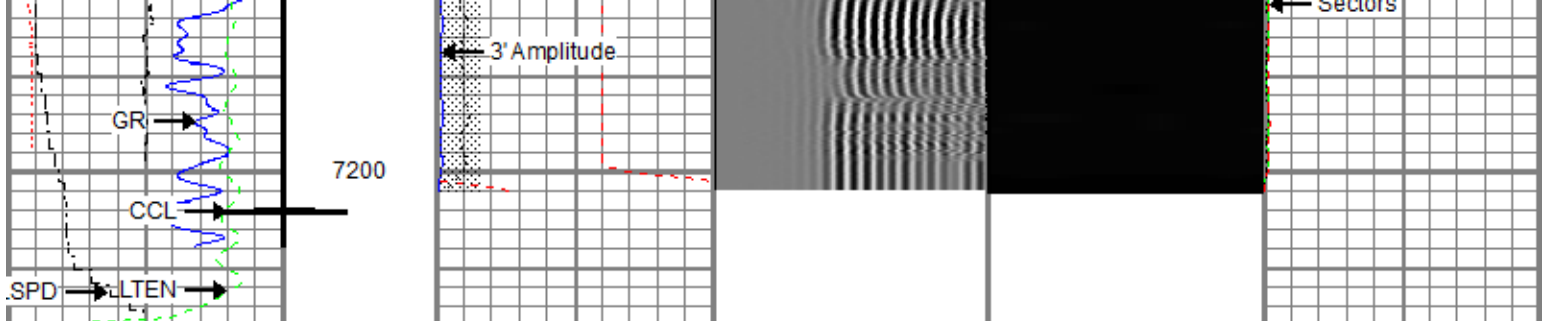












Gamma Ray (GAPI)	0 120	3' Amplitude (mV)	0 100	5' Variable Density Log (usec)	200 1200	Sector Map	Average Amplitude	0 100
Temperature (degF)	0 20	3' Amplitude x 5 (mV)	0 20				Minimum Amplitude	0 100
Line Speed (ft/min)	-150 150	3' Travel Time (usec)	650 150				Maximum Amplitude	0 100
Line Tension (lb)000	0							
Differential Temperature (degF)	-2 2							
Casing Collar Locator								

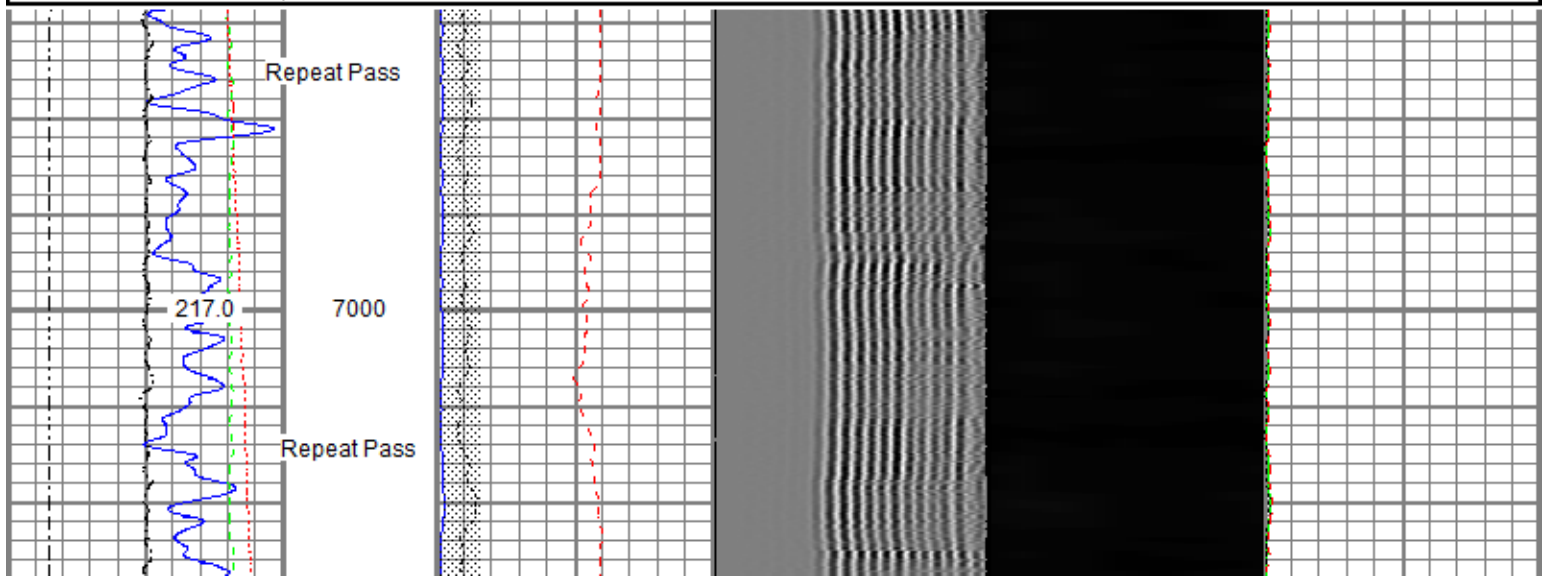


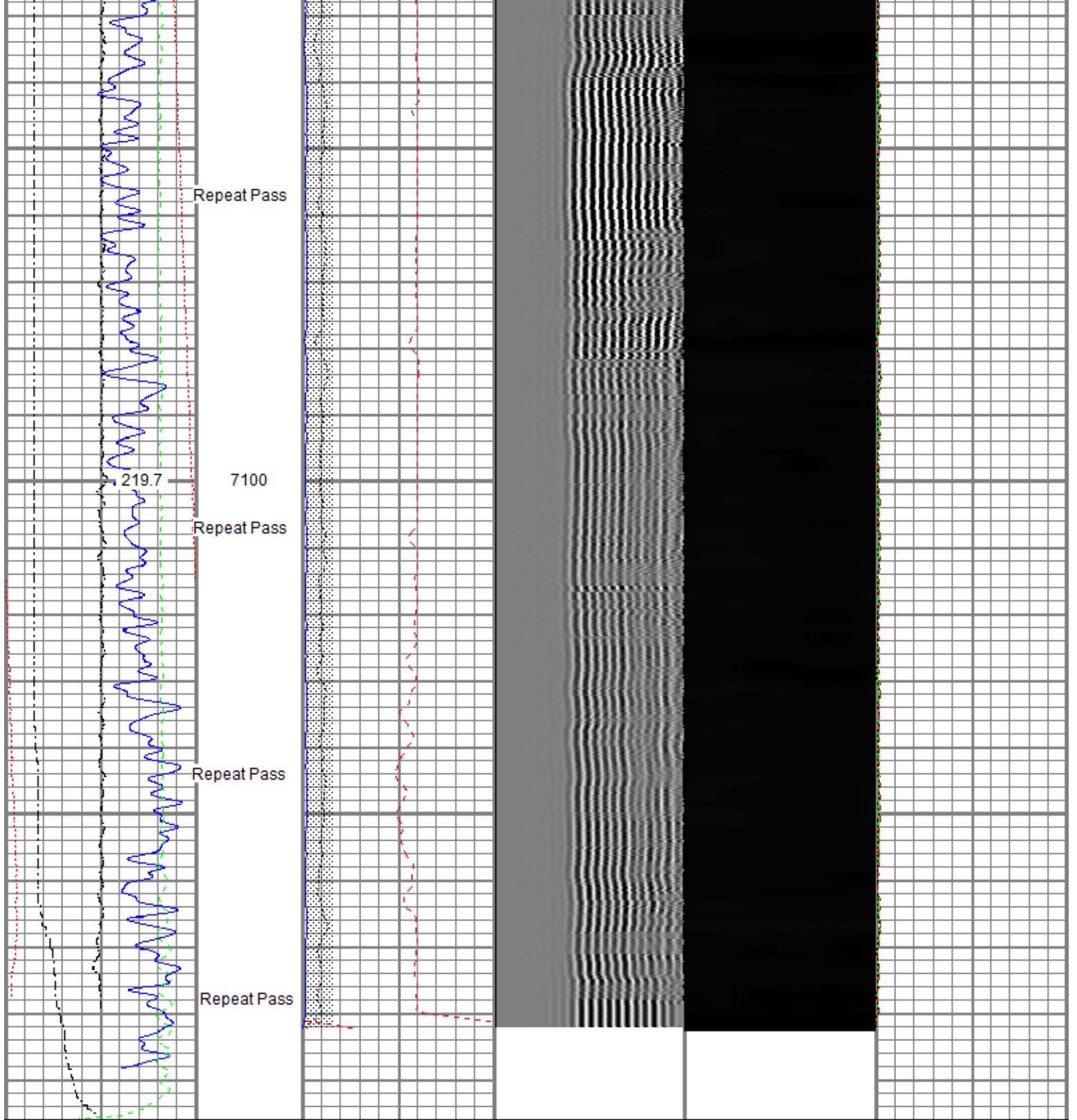
## Repeat Pass

Recorded With -500- PSI Surface Induced Pressure

Database File oxy\_cooley\_11-16\_rcbl\_vert.db  
 Dataset Pathname RCBL1/pass5  
 Presentation Format ros\_radrii\_oxo\_vert\_gobo\_45  
 Dataset Creation Fri Oct 30 11:06:40 2020  
 Charted by Depth in Feet scaled 1:240

Gamma Ray (GAPI)	0 120	3' Amplitude (mV)	0 100	5' Variable Density Log (usec)	200 1200	Sector Map	Average Amplitude	0 100
Temperature (degF)	0 20	3' Amplitude x 5 (mV)	0 20				Minimum Amplitude	0 100
Line Speed (ft/min)	-150 150	3' Travel Time (usec)	650 150				Maximum Amplitude	0 100
Line Tension (lb)000	0	GOBO						
Differential Temperature (degF)	-2 2							





Gamma Ray (GAPI)	0 120	3' Amplitude (mV)	0 100	5' Variable Density Log	Sector Map	Average Amplitude	0 100
Temperature (degF)	0 20	3' Amplitude x 5 (mV)	0 20	200 (usec) 1200		Minimum Amplitude	0 100
Line Speed (ft/min)	-150 150	3' Travel Time (usec)	650 150			Maximum Amplitude	0 100
Line Tension (lb)	0 000	GOBO					
Differential Temperature (degF)	-2 2						

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

			Titan CHD-14375 GO	1.03	1.44	3.60
			Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck			
			Probe CENT-2750	2.88	2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
TEMP	17.04					
WVFS8	14.81		Probe Radii-2750 RBT (FW0712-020)	9.39	2.75	105.00
WVFS7	14.81		Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub			
WVFS6	14.81					
WVFS5	14.81					
WVFS4	14.81					
WVFS3	14.81					
WVFS2	14.81					
WVFS1	14.81					
WVFCAL	14.81					
WVF3FT	14.81					
WVF5FT	13.81					
			Probe CENT-2750	2.88	2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
CCL\$2	6.80					
CCL\$1	6.80					
GR	5.46		Probe GR-CCL-2750 6PB (FW1810-044)	4.80	2.75	55.00
			Probe 2-3/4" rev.1 Digital Scintillation Gamma Ray/CCL Combined with 6 Pin Bottom for CNT			
			Probe CENT-2750	2.88	2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
LOCTIM	0.00					
UTCTIM	0.00					

Dataset: oxy\_cooley\_11-16\_rcbl\_vert.db: field/well/RCBL1/pass6.1  
 Total length: 23.86 ft  
 Total weight: 223.60 lb  
 O.D.: 2.75 in

Calibration Report

Database File oxy\_cooley\_11-16\_rcbl\_vert.db  
 Dataset Pathname RCBL1/pass6.1  
 Dataset Creation Fri Oct 30 12:39:34 2020

Gamma Ray Calibration Report

Serial Number: FW1810-044  
 Tool Model: 2750 6PB  
 Performed: Tue Dec 03 09:24:53 2019

Calibrator Value: 637.0 GAPI

Background Reading: 105.3 cps  
 Calibrator Reading: 1221.0 cps

Sensitivity: 0.5709 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW0712-020  
 Tool Model: 2750 RBT

Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 32.992 ft

Master Calibration, performed Fri Oct 30 12:39:16 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.957	0.800	81.196	84.003	0.769
CAL	0.652	0.748				
5'	-0.004	0.863	0.800	81.196	92.737	1.156
SUM						
S1	-0.000	0.965	0.000	100.000	103.544	0.041
S2	0.000	0.953	0.000	100.000	104.951	-0.039
S3	0.000	1.027	0.000	100.000	97.445	-0.036
S4	0.000	1.098	0.000	100.000	91.103	-0.034
S5	0.000	1.103	0.000	100.000	90.732	-0.034
S6	-0.000	1.050	0.000	100.000	95.235	0.024
S7	-0.001	1.011	0.000	100.000	98.837	0.084
S8	-0.001	0.989	0.000	100.000	100.963	0.101

Air Zero Calibration, performed Thu Oct 22 15:05:40 2020:

	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

Temperature Calibration Report

Serial Number: FW0712-020  
 Tool Model: 2750 RBT  
 Performed: Tue Dec 03 09:24:53 2019

Reference                      Reading

Low Reference: 100.00 degF 109.43 degF  
High Reference: 350.00 degF 405.87 degF

Gain: 0.84  
Offset: 7.72  
Delta Spacing 1



**Company** Kerr-McGee Oil & Gas Onshore, L.P.  
**Well** Cooley 11-16  
**Field** Wattenberg  
**County** Weld  
**State** Colorado