



County Adams State Colorado

API #: 05-001-10209

Elevation

K.B.	5076"
D.F.	---
G.L.	5049"

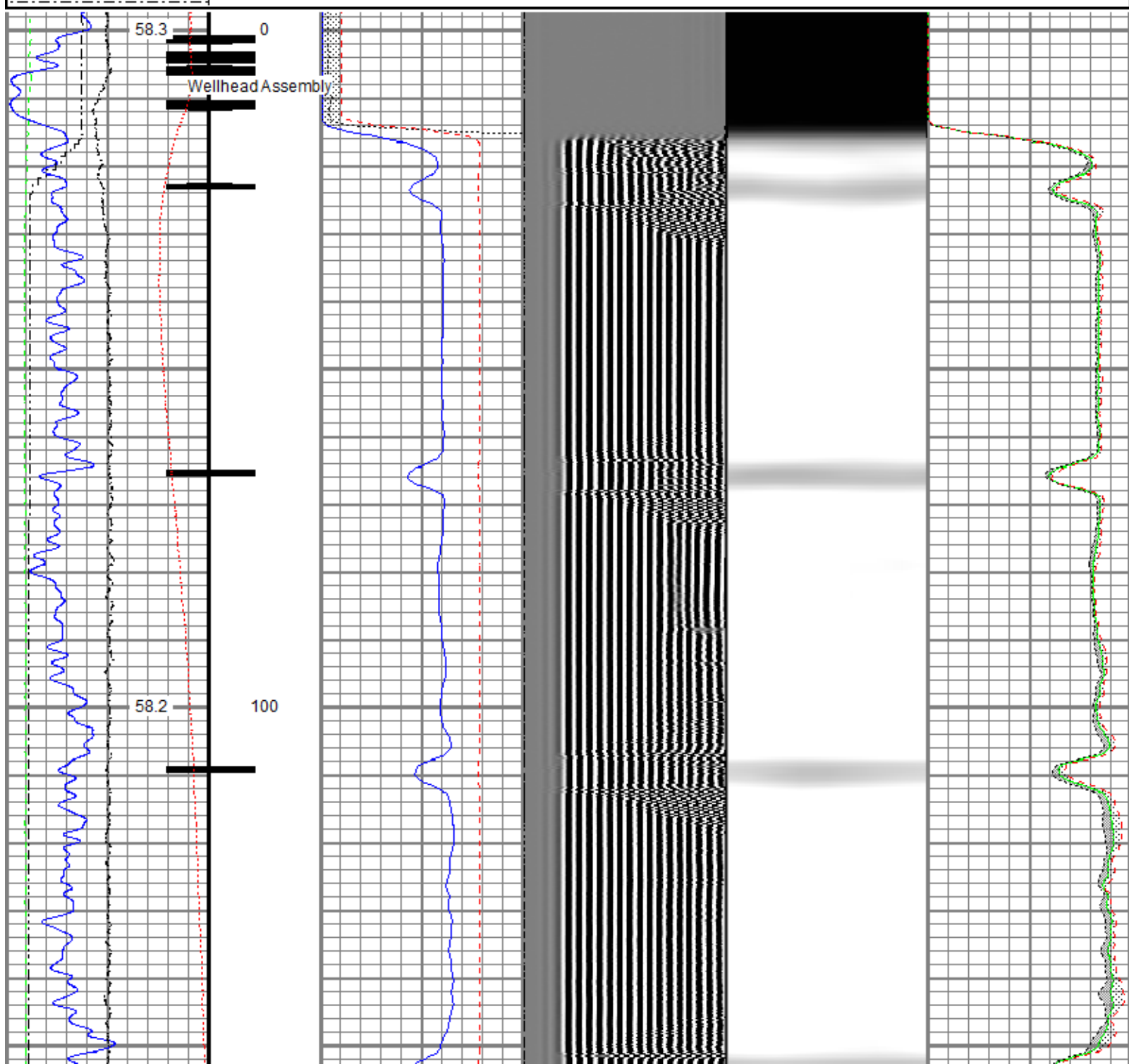
intermediate #2			
mer			

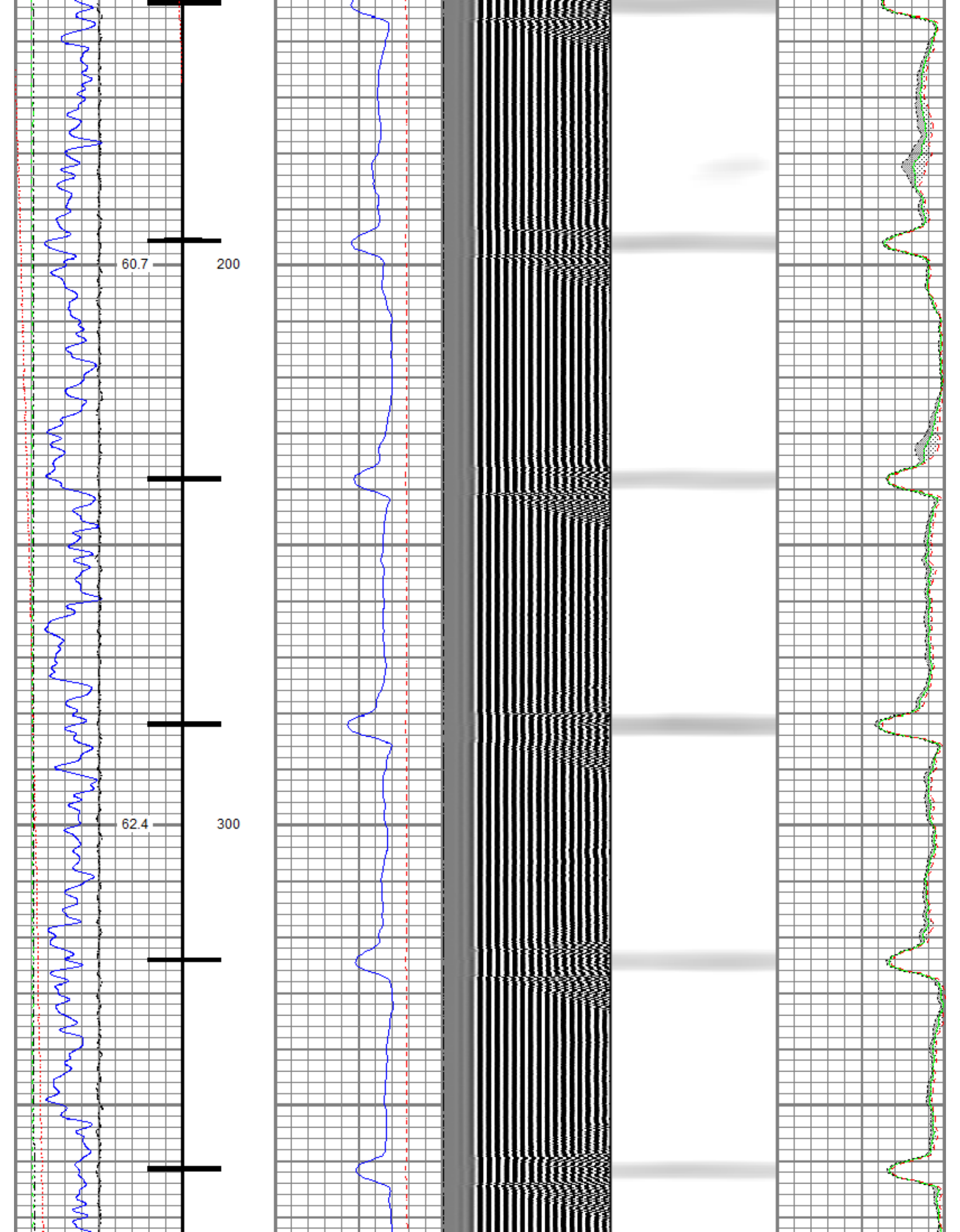


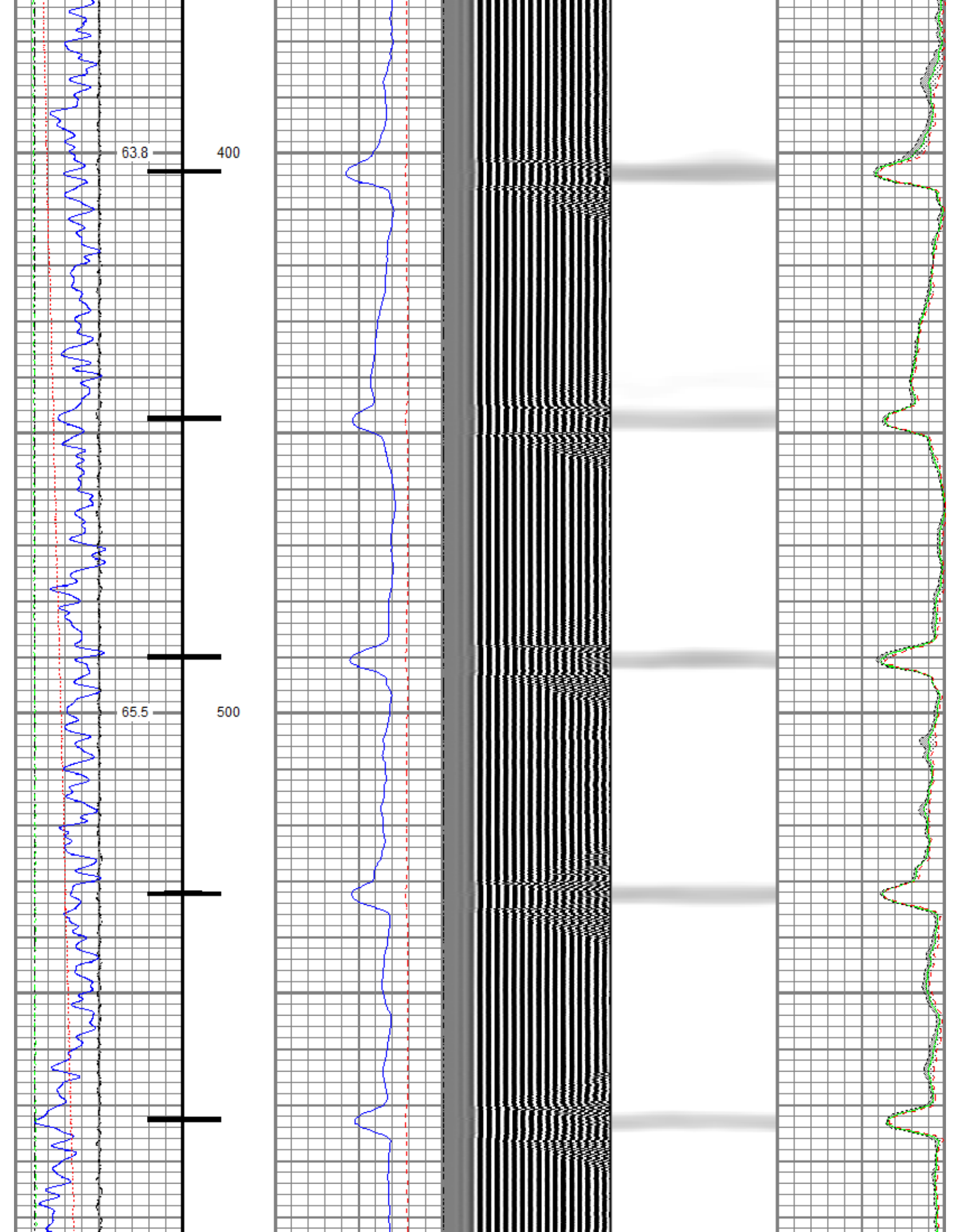
RELIANCE
OILFIELD SERVICES

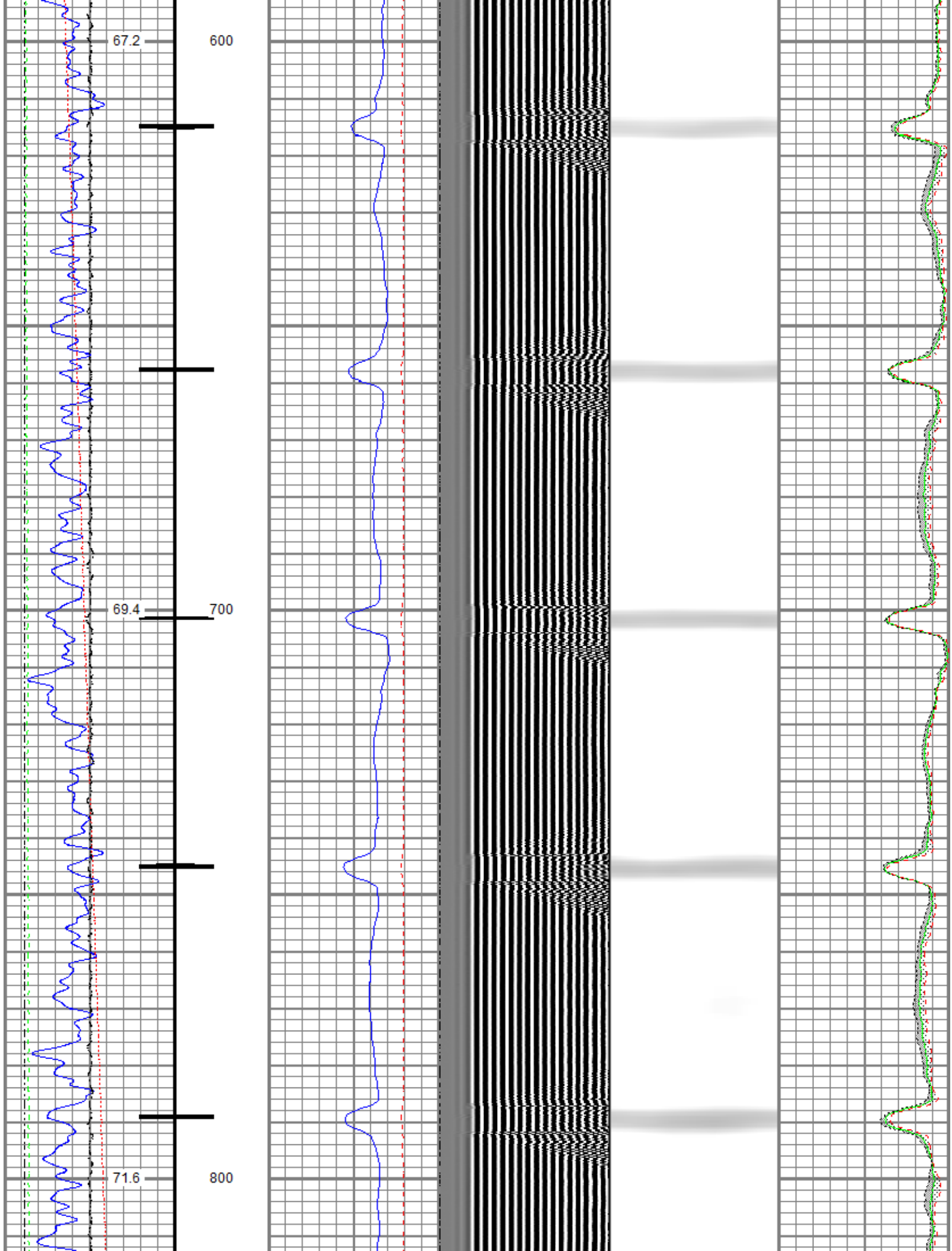
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 Dataset Pathname Main.1
 Presentation Format ros_radri
 Dataset Creation Tue Apr 02 09:08:58 2019
 Charted by Depth in Feet scaled 1:240

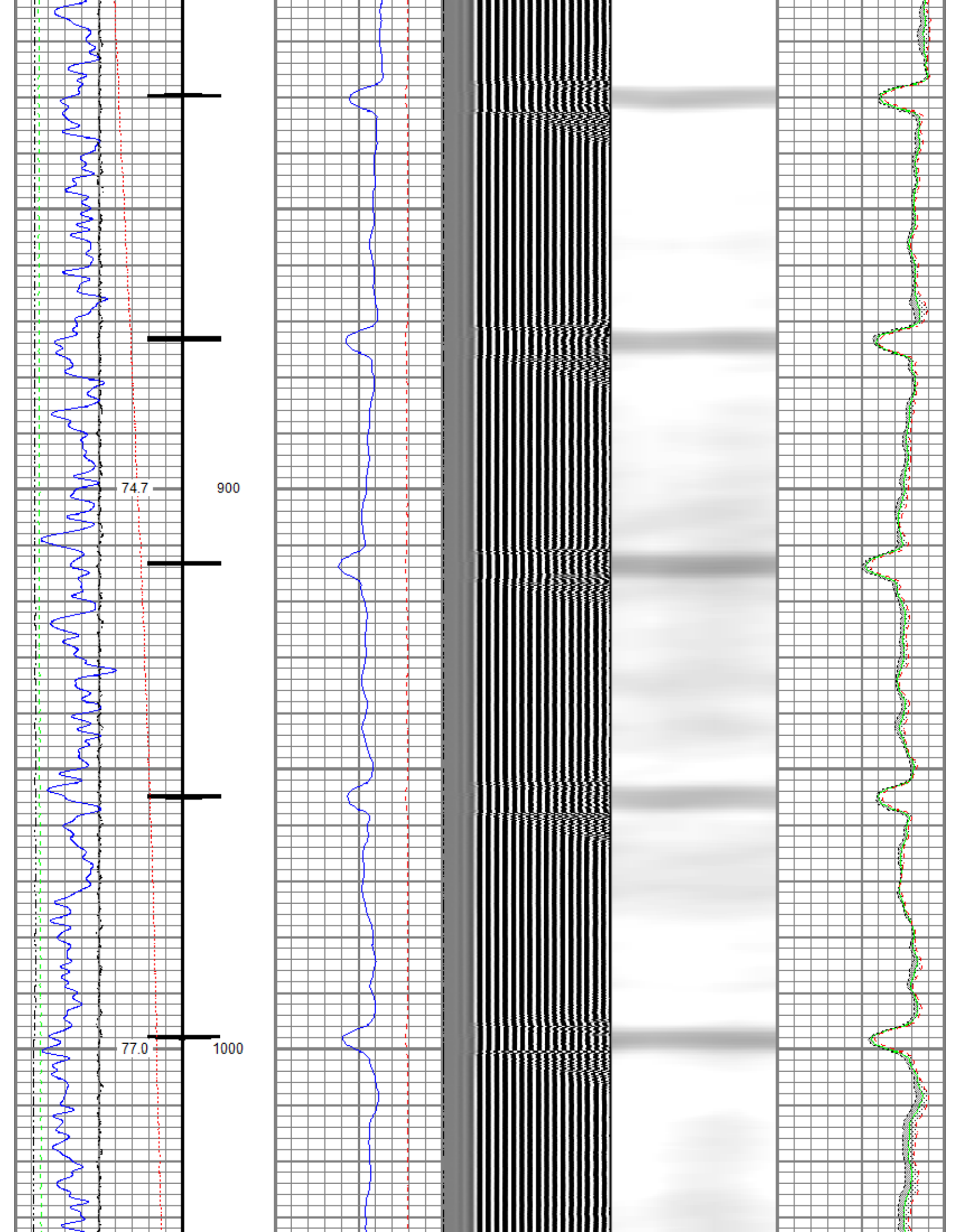
Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	1200			Minimum Amplitude	
Casing Collar Locator		0	(mV)	20		0	100	
0 Temperature (degF)	20	3' Travel Time					Maximum Amplitude	
Line Speed		650	(usec)	150		0	100	
-150 (ft/min)	150							
0 Line Tension (lb)	2000							
Differential Temperature								
-2 (degF)	2							

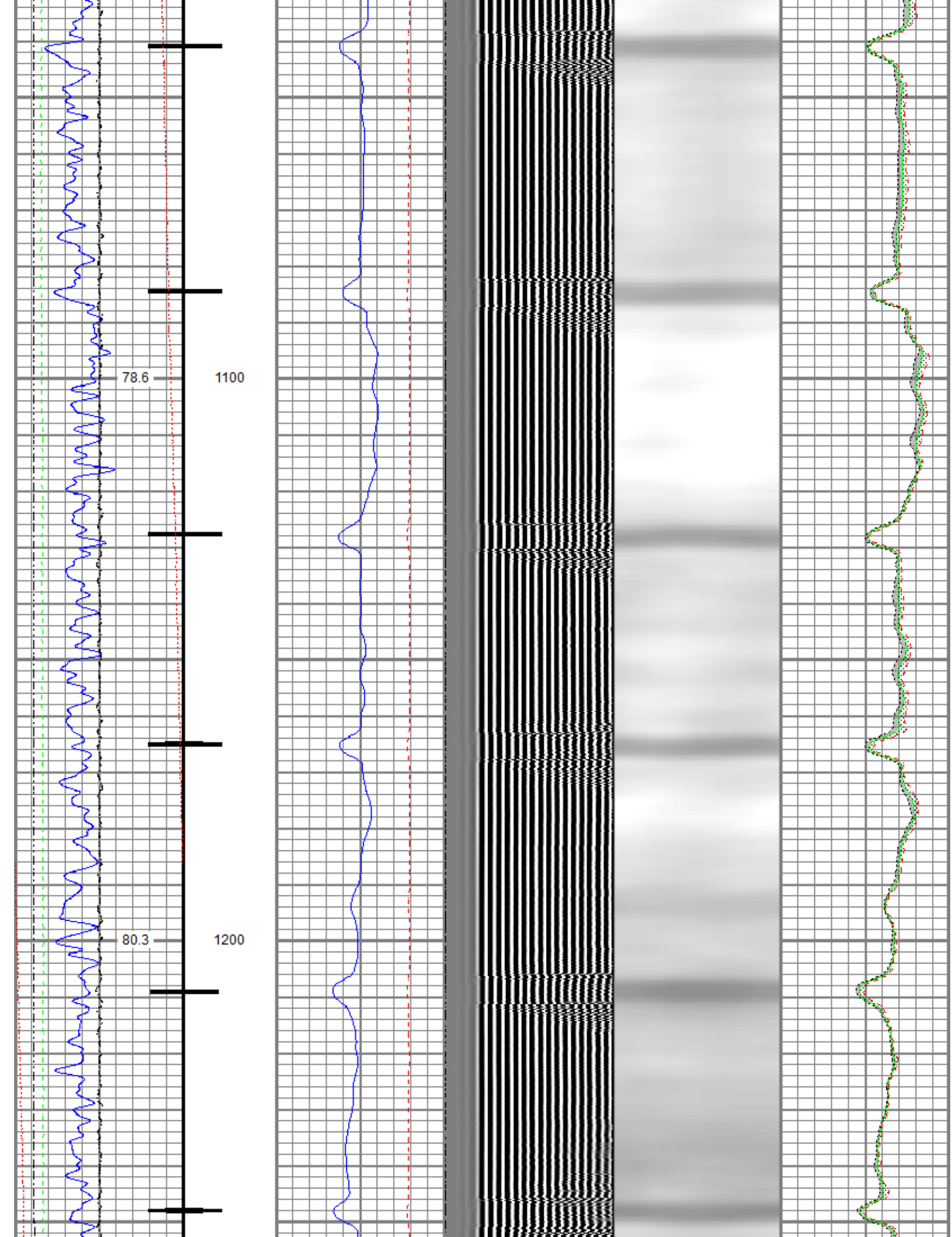


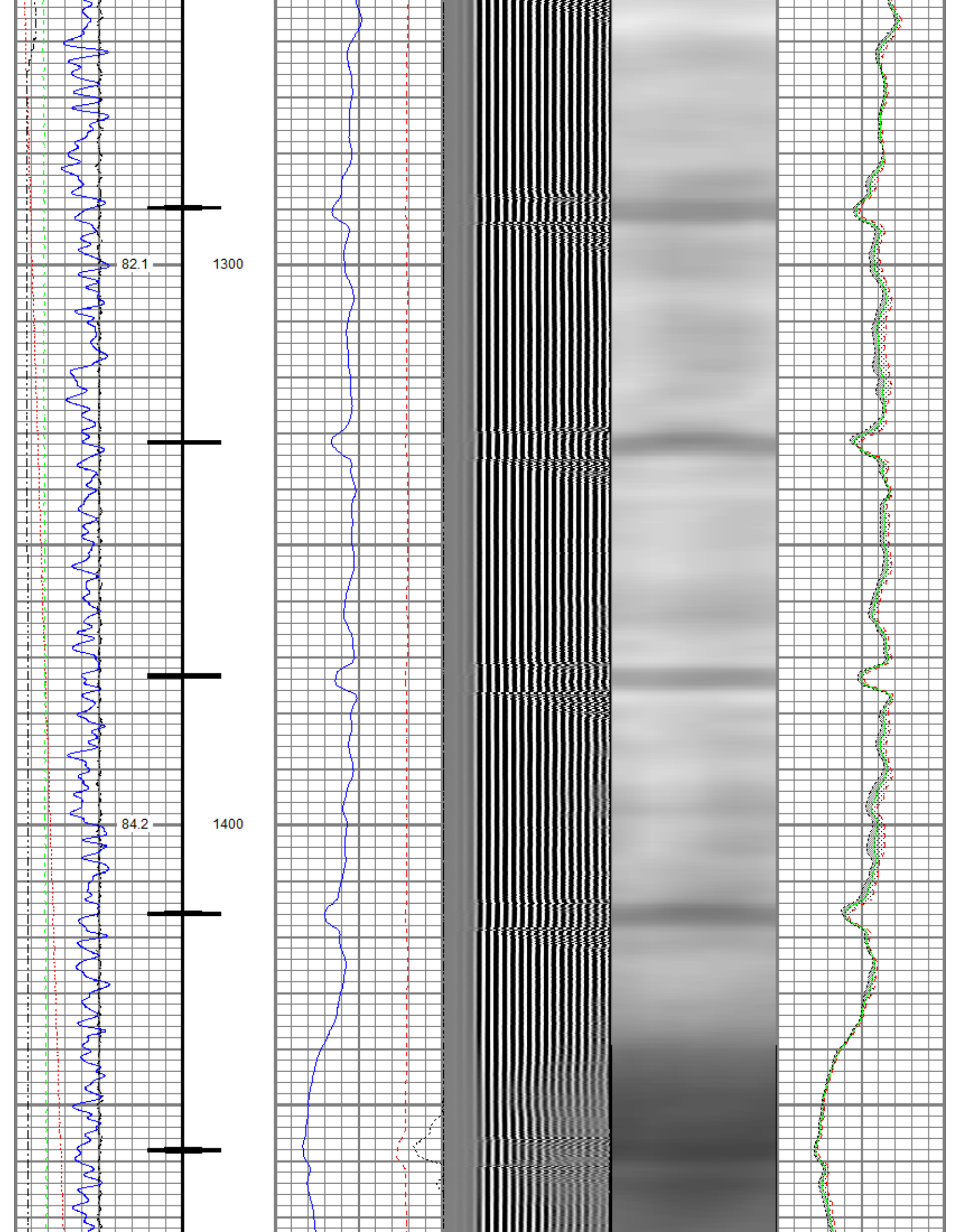


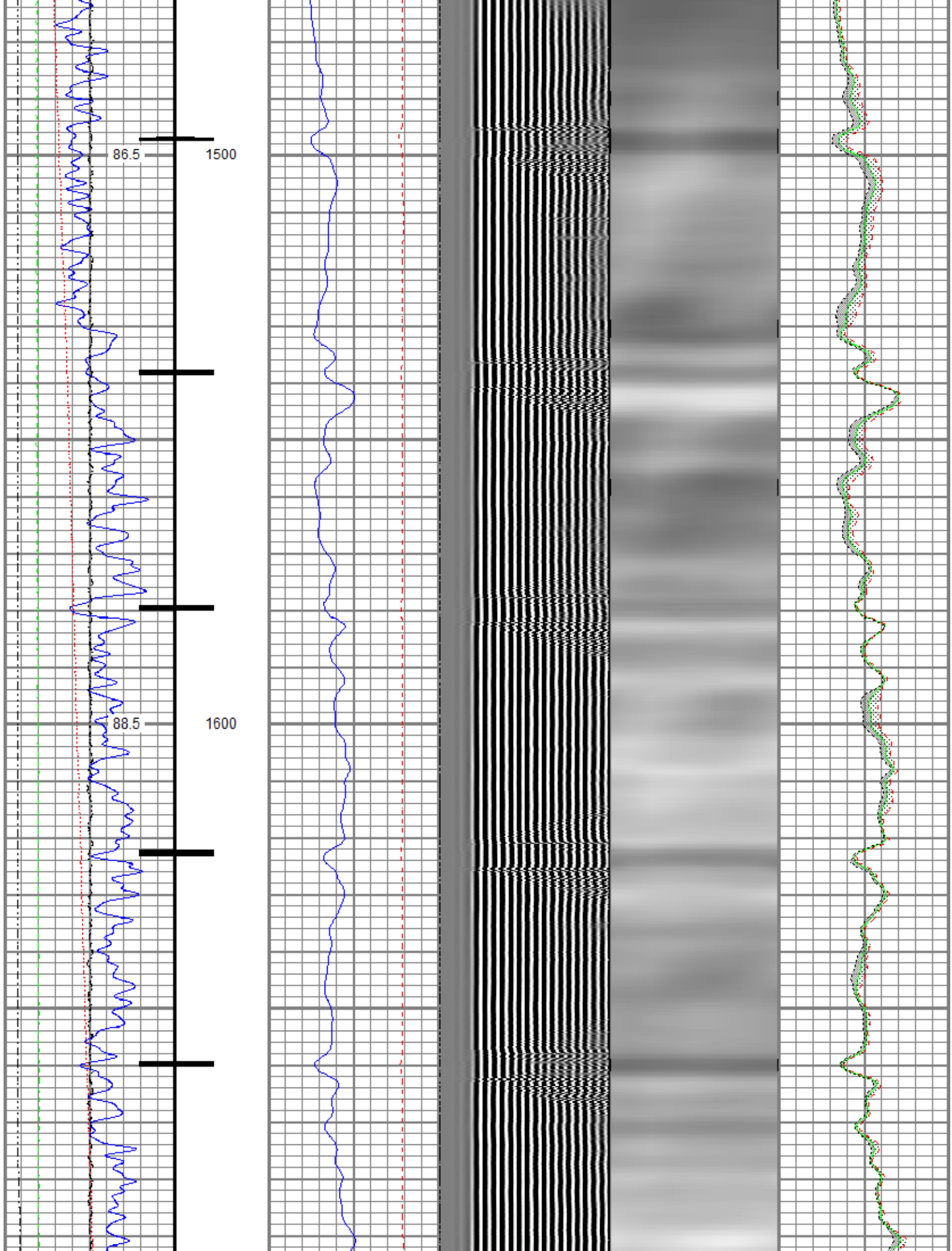


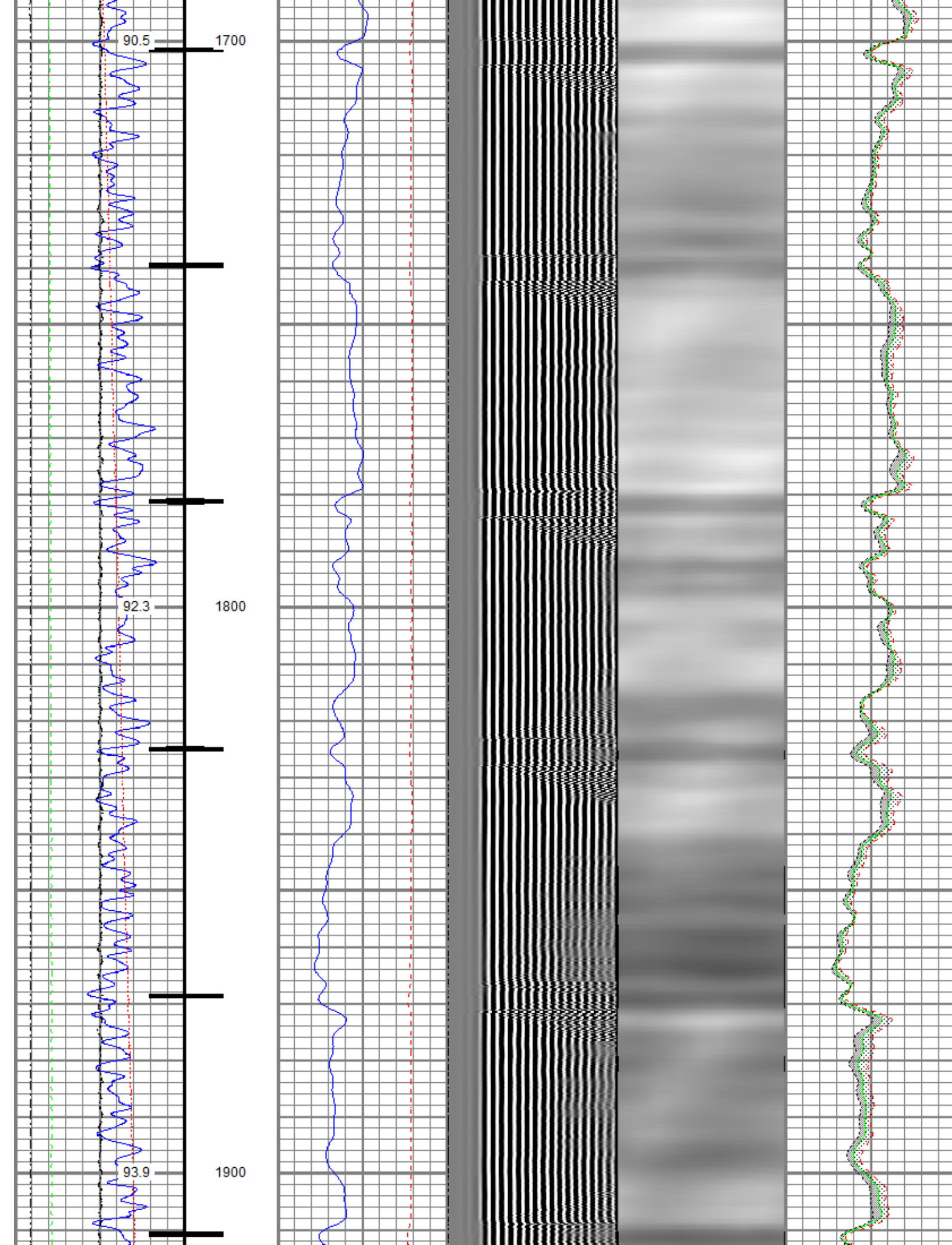


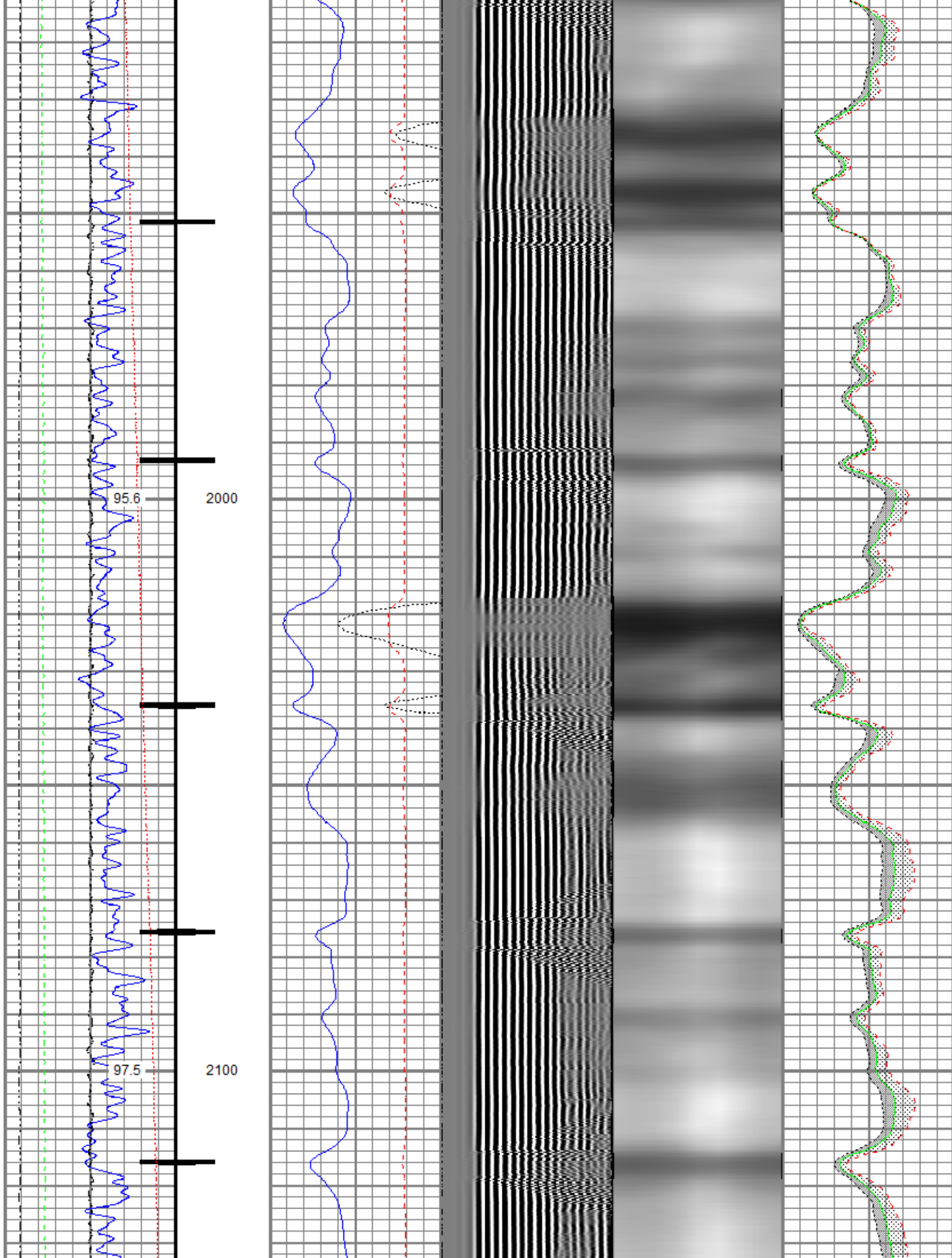


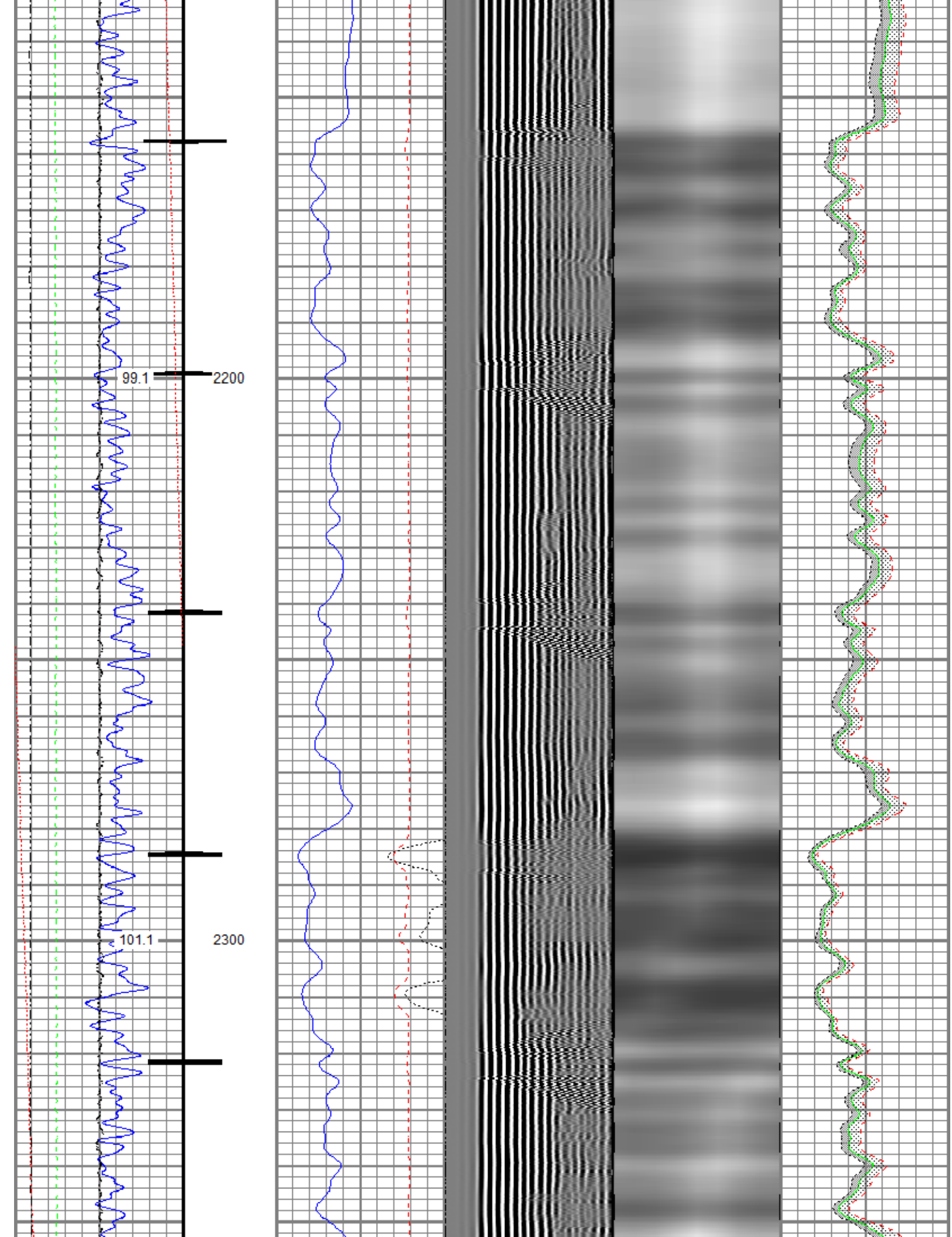


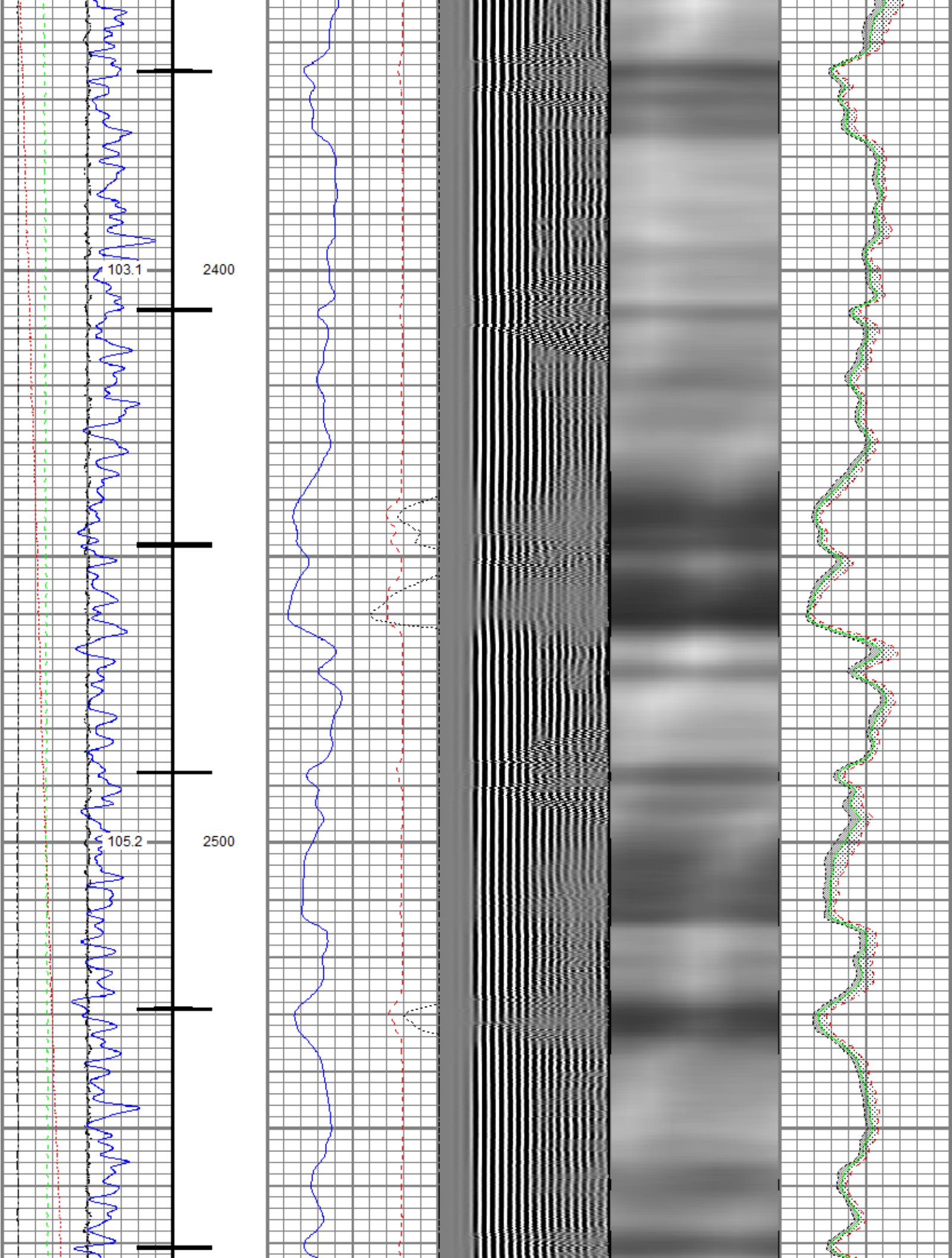


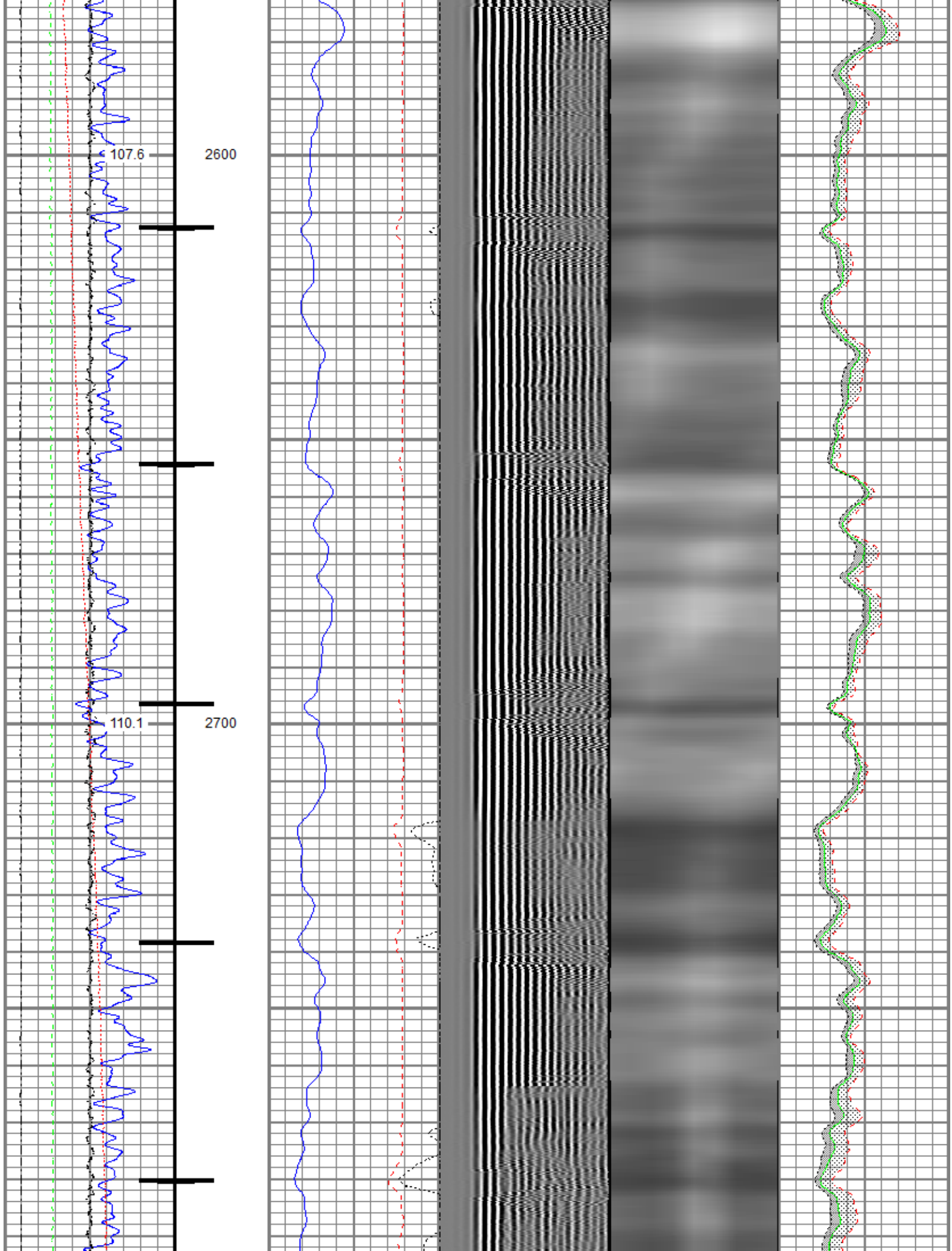


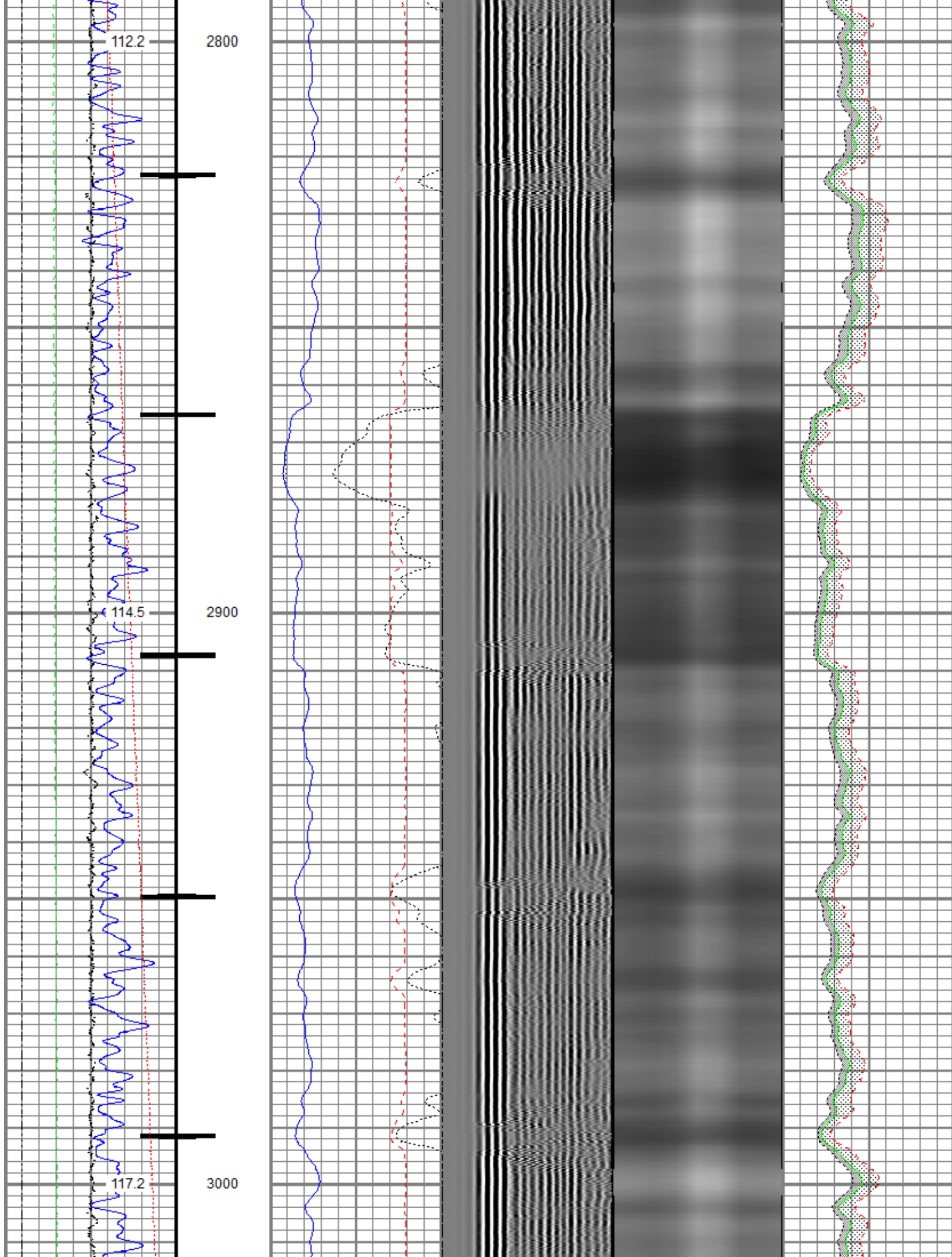


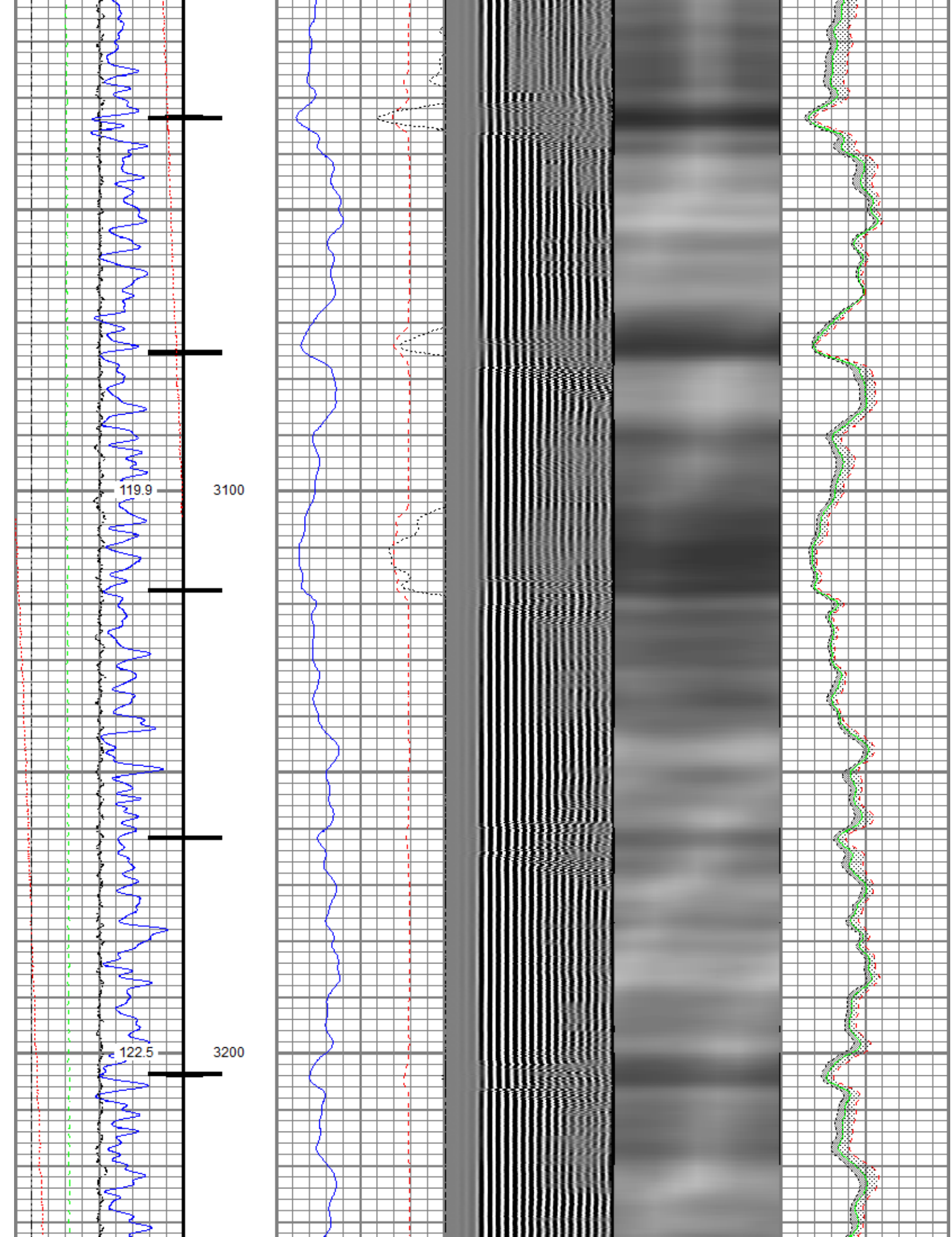


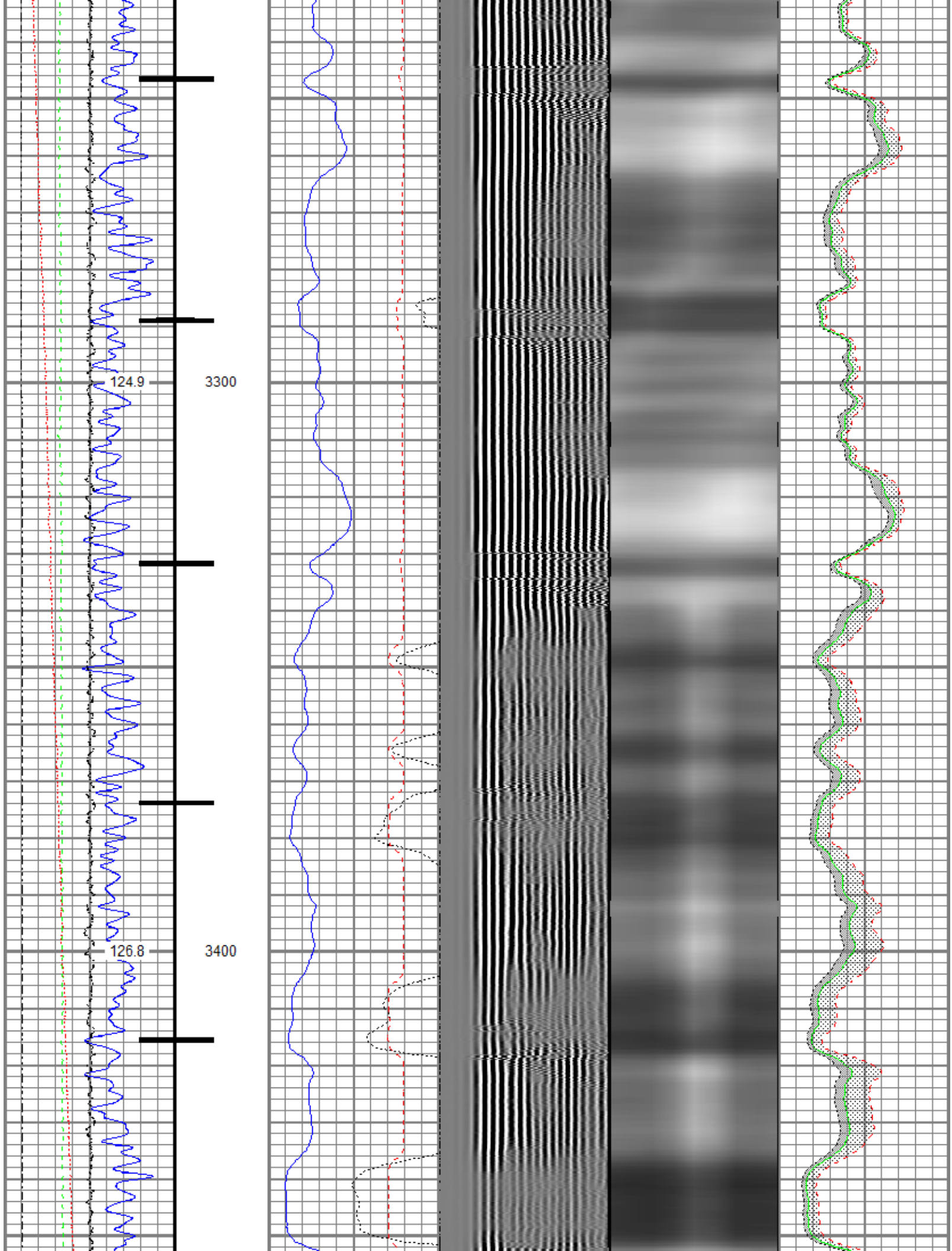


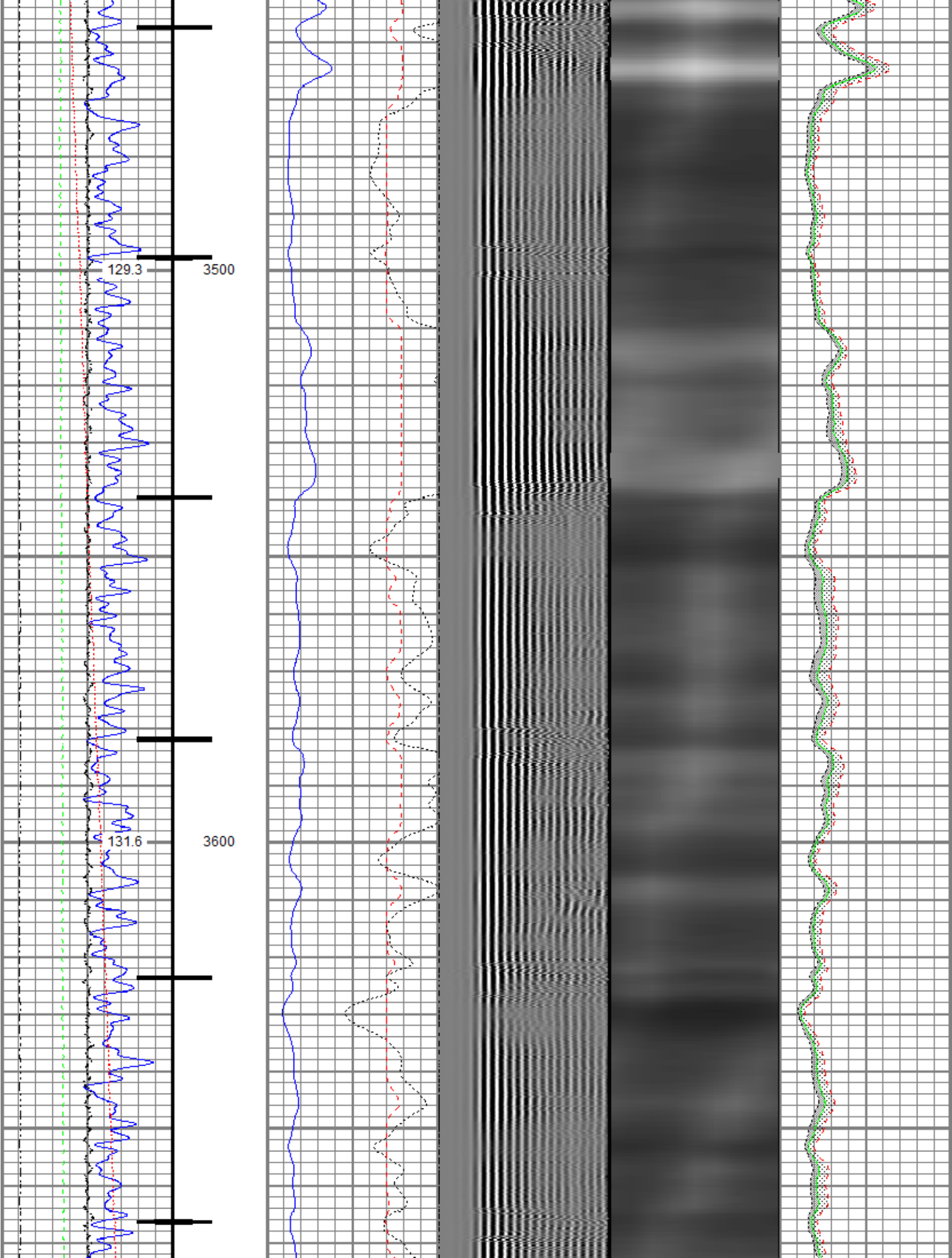


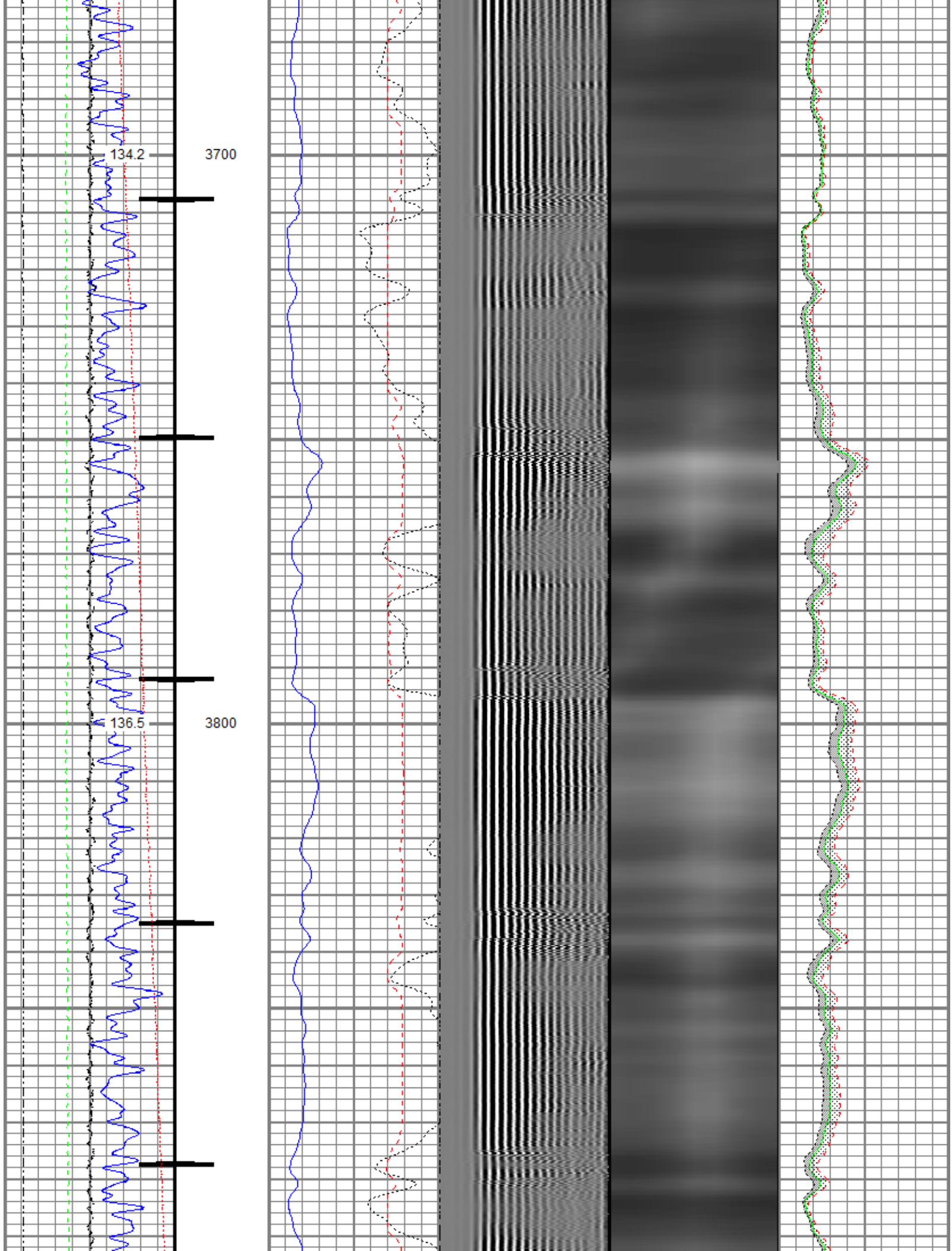


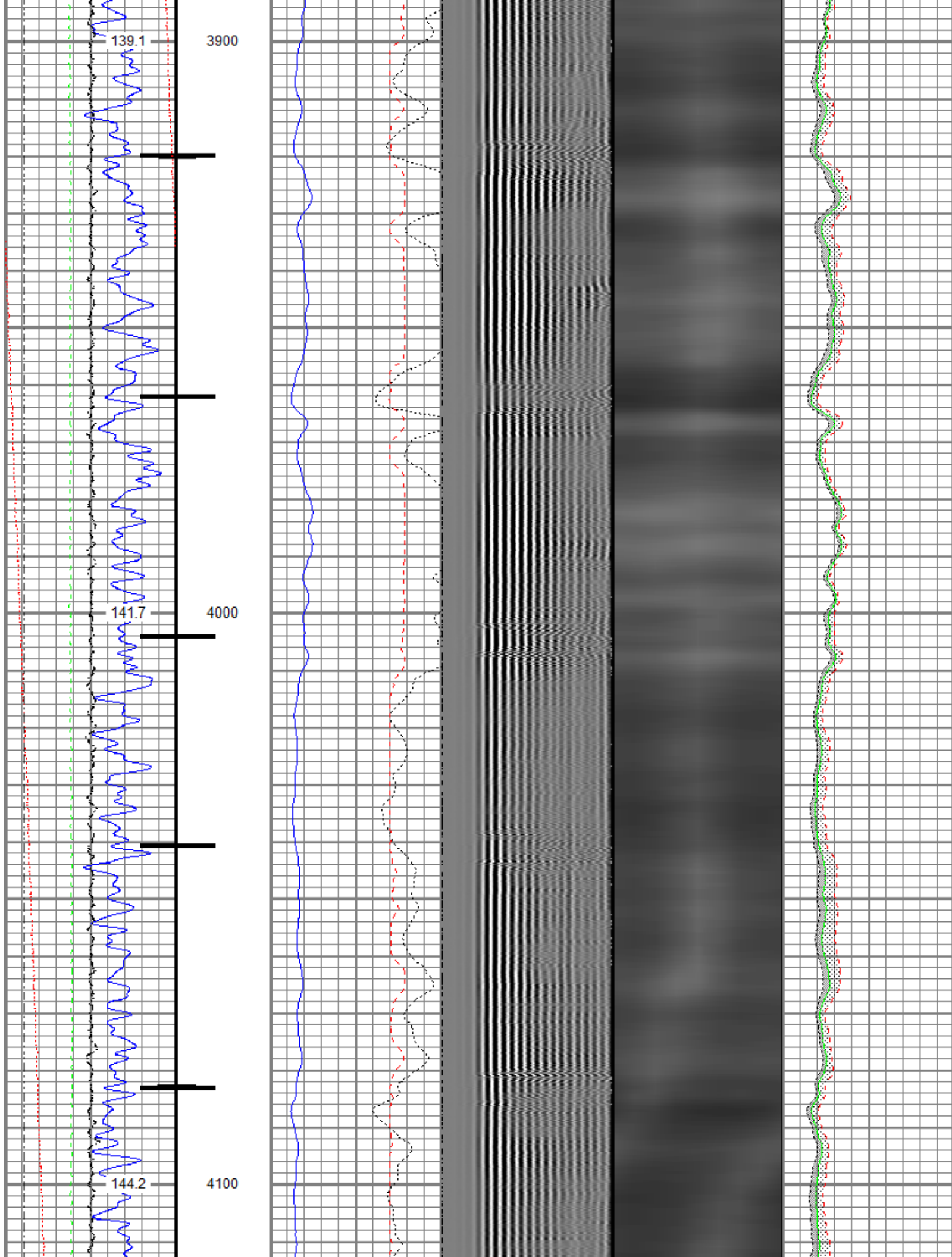


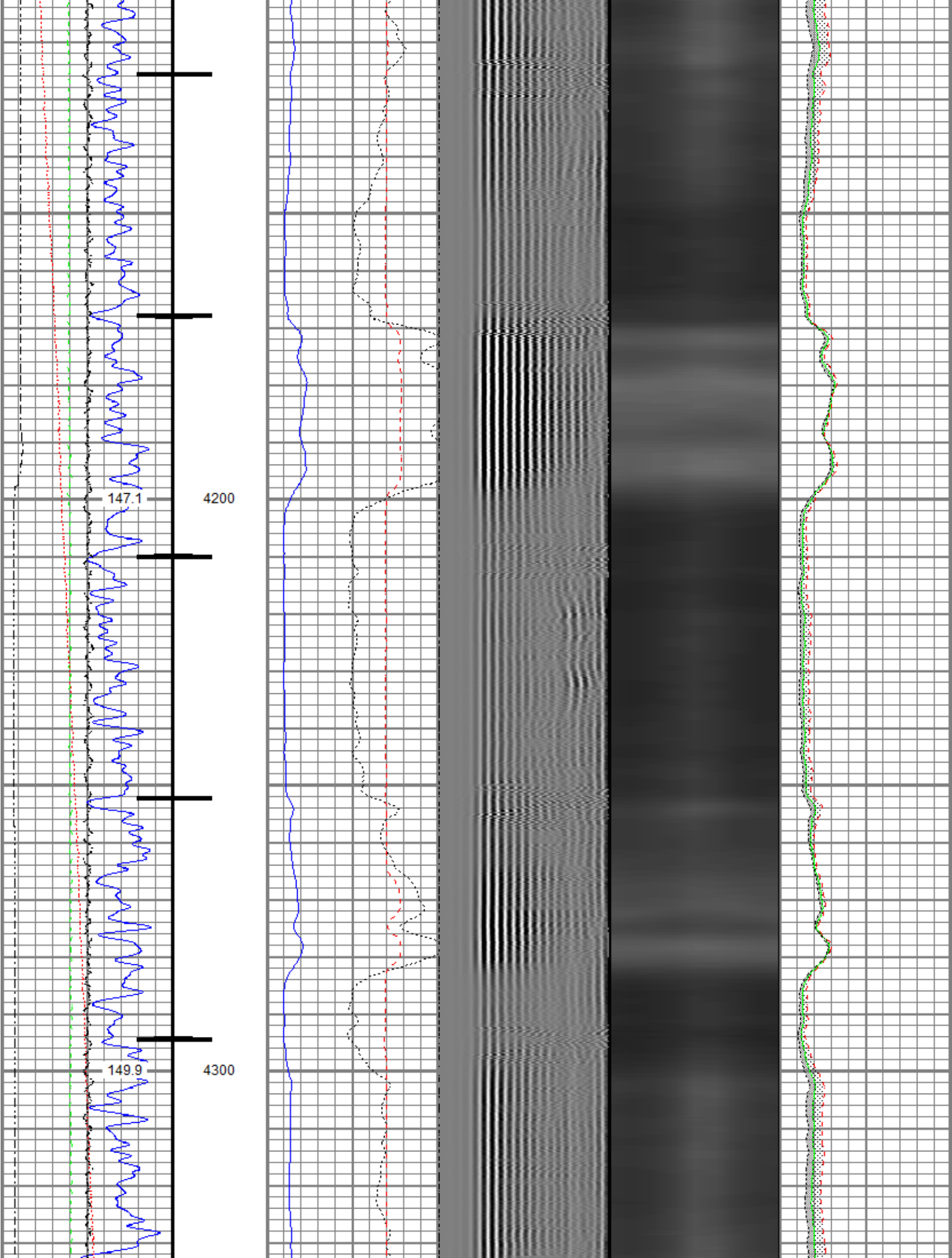


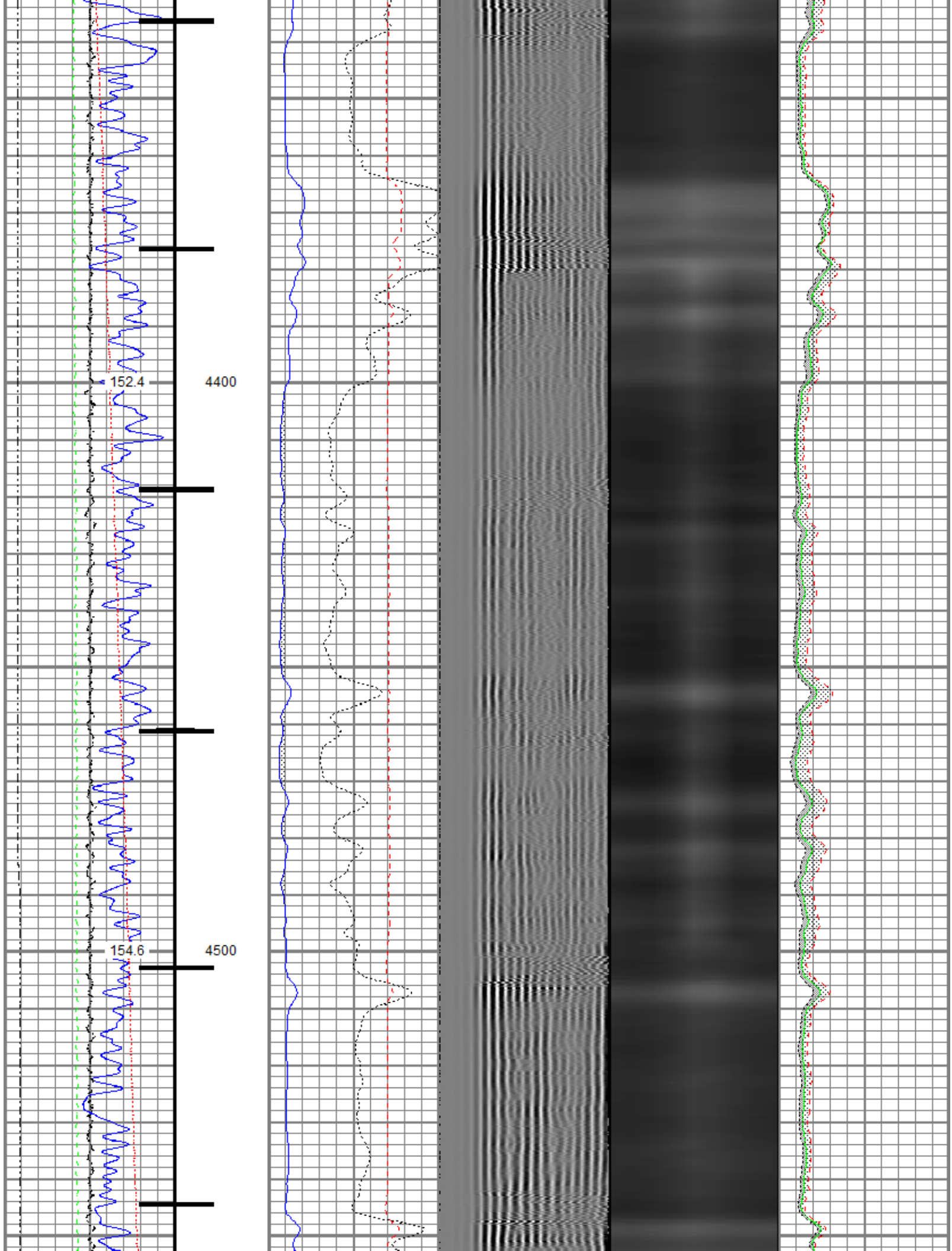


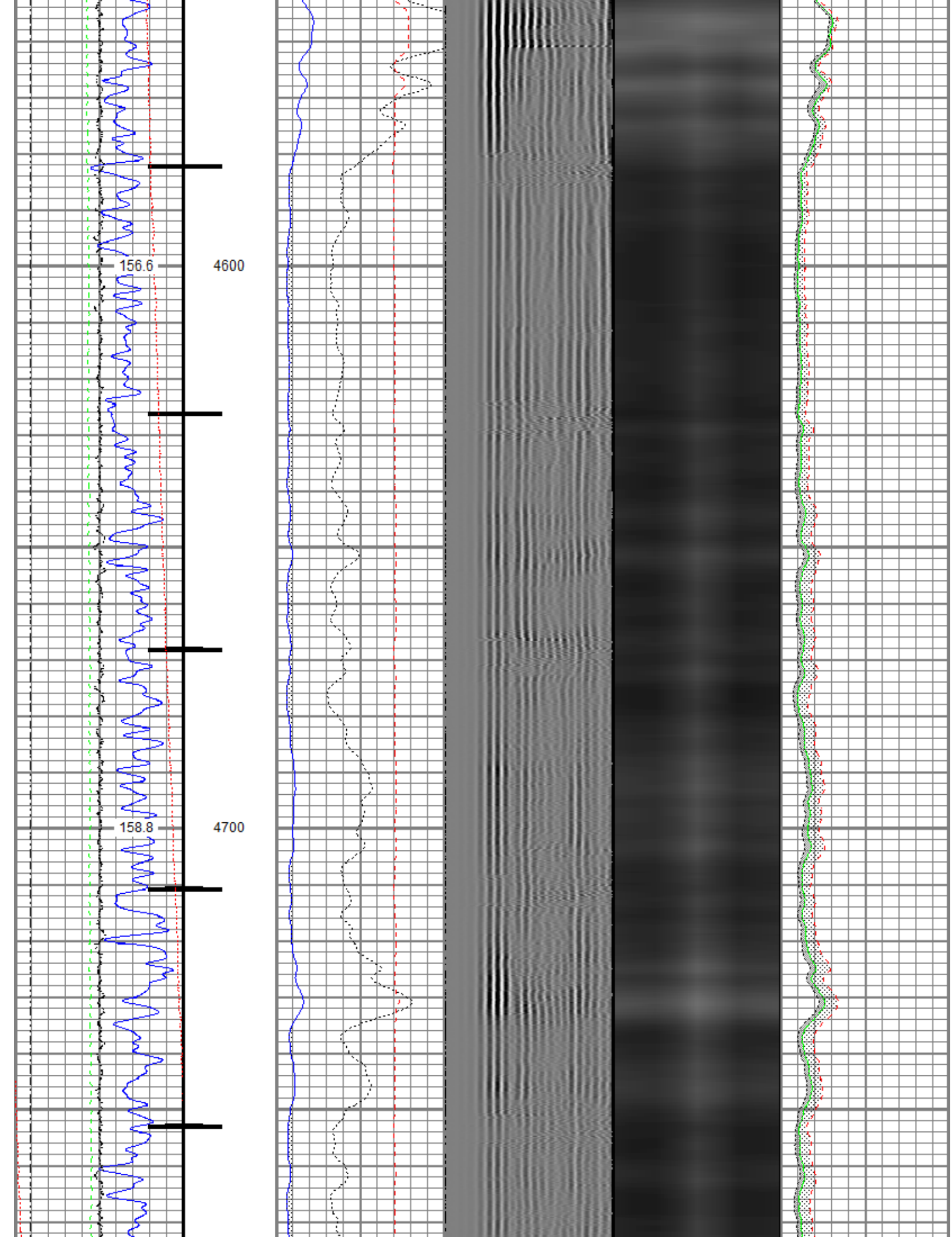


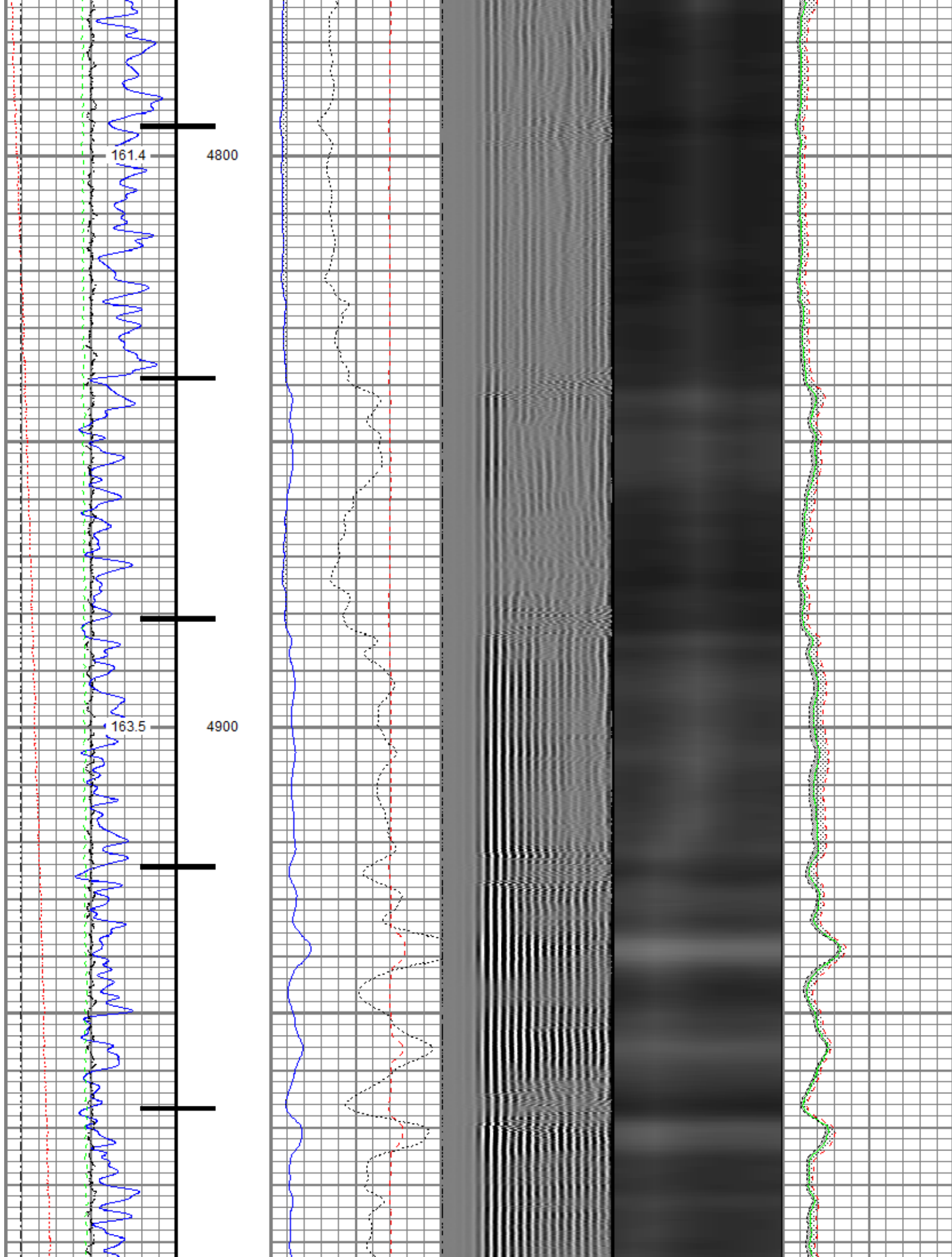


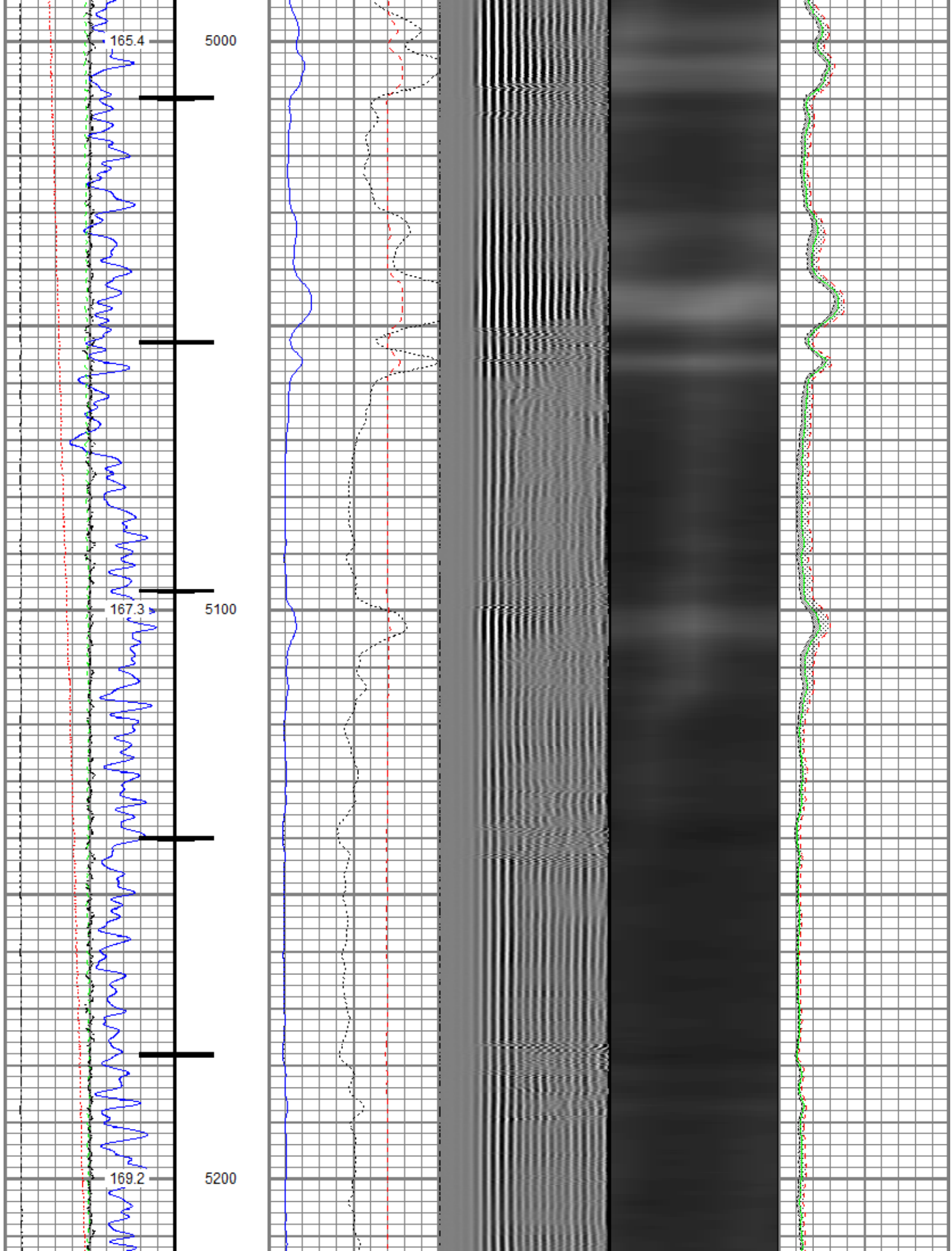


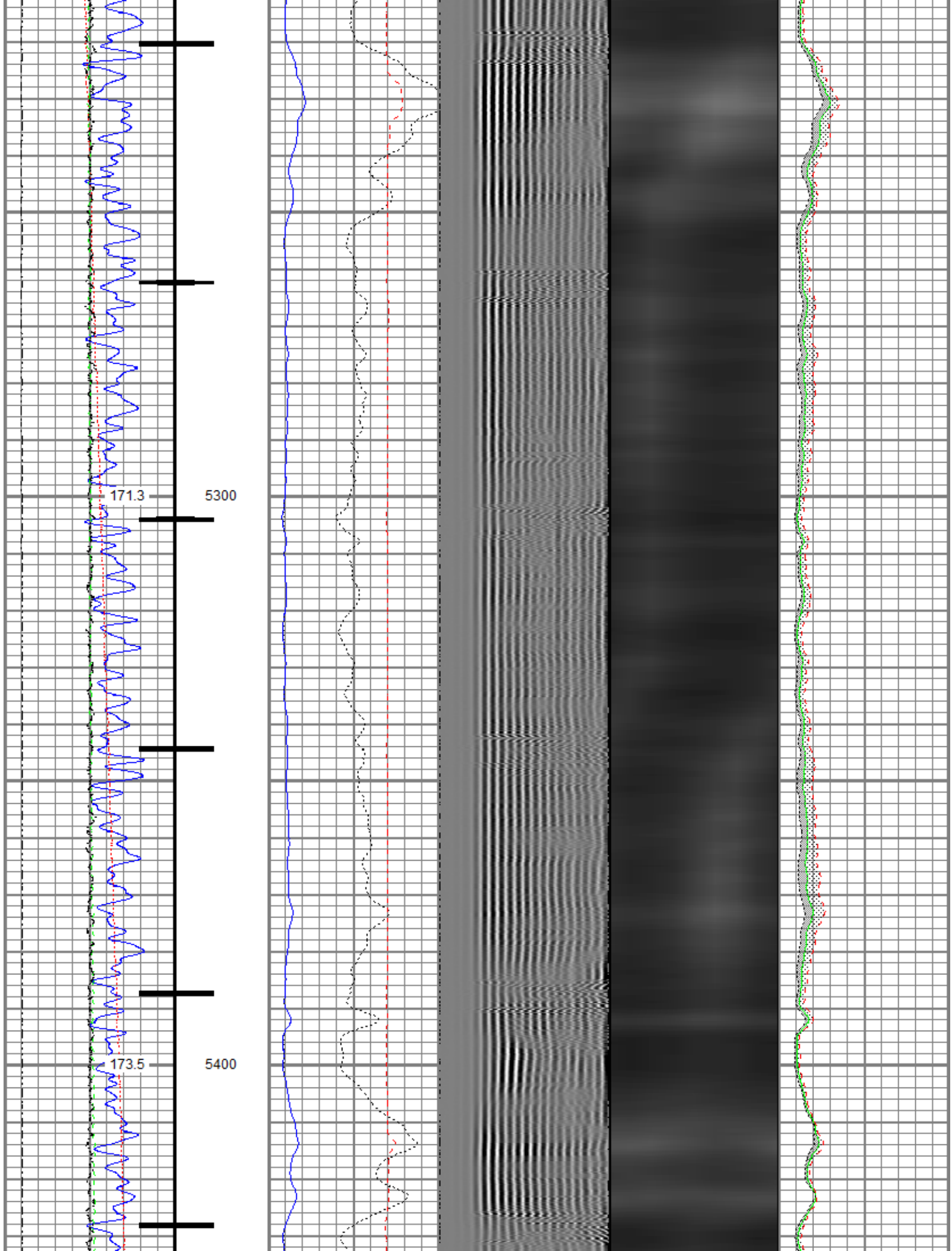


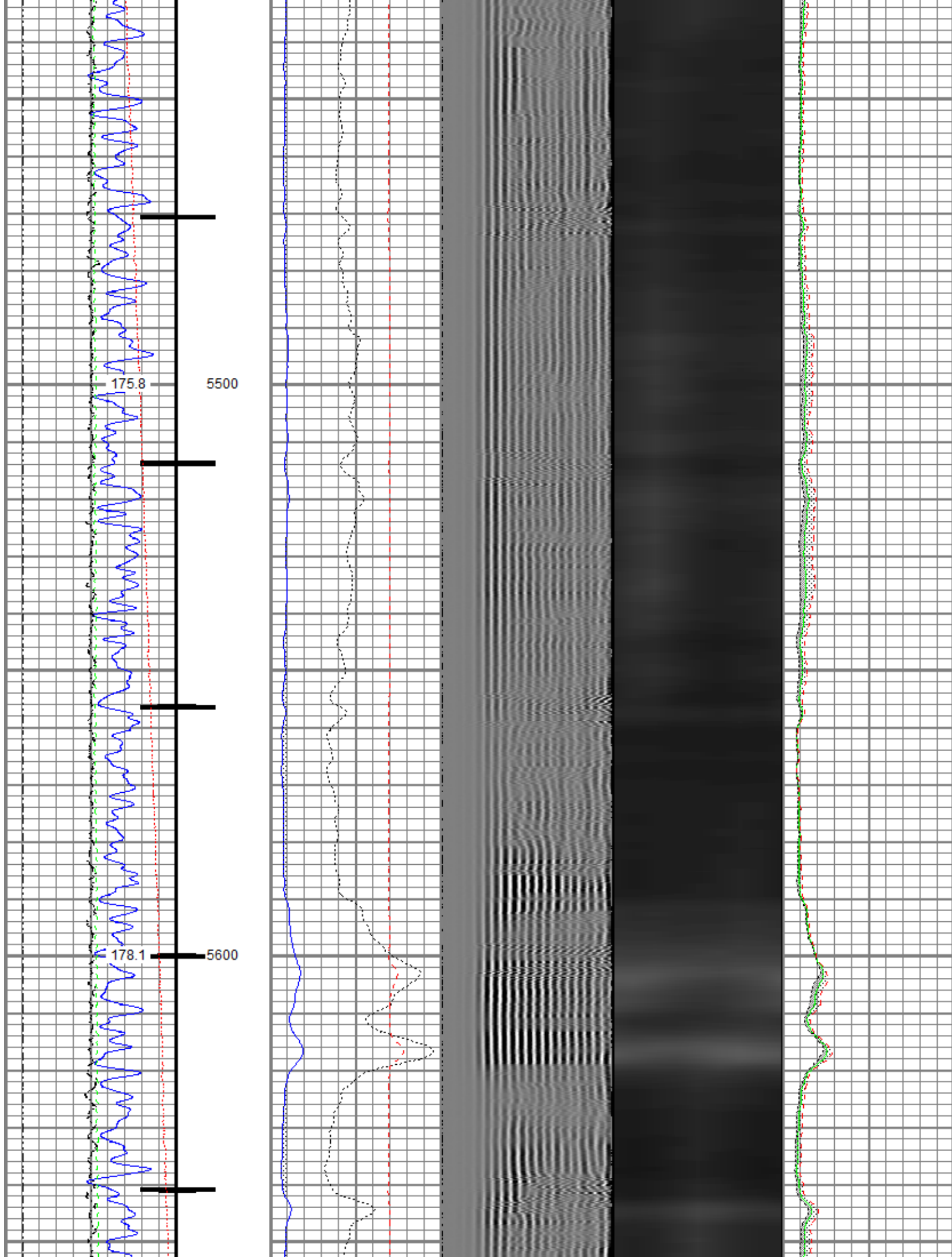


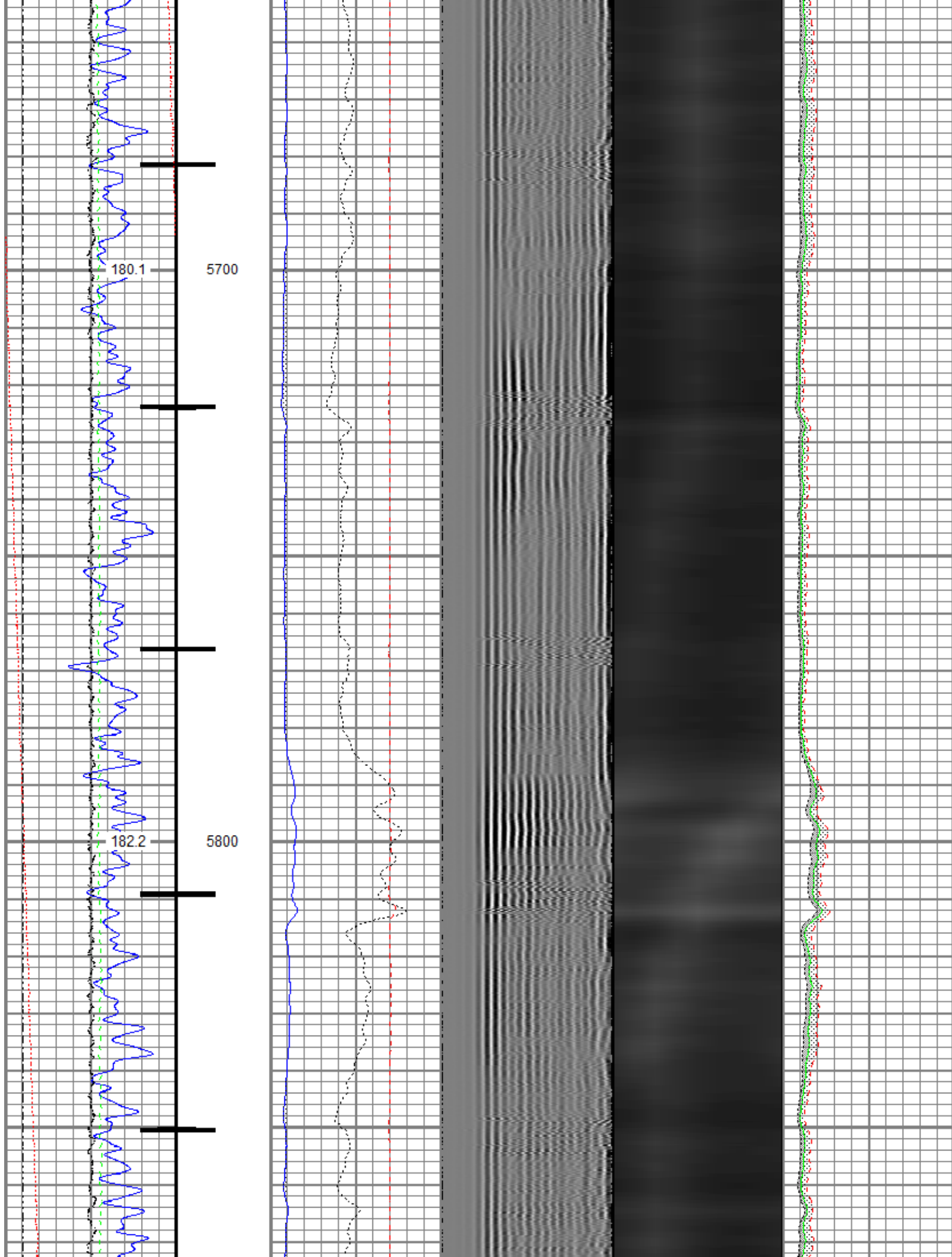


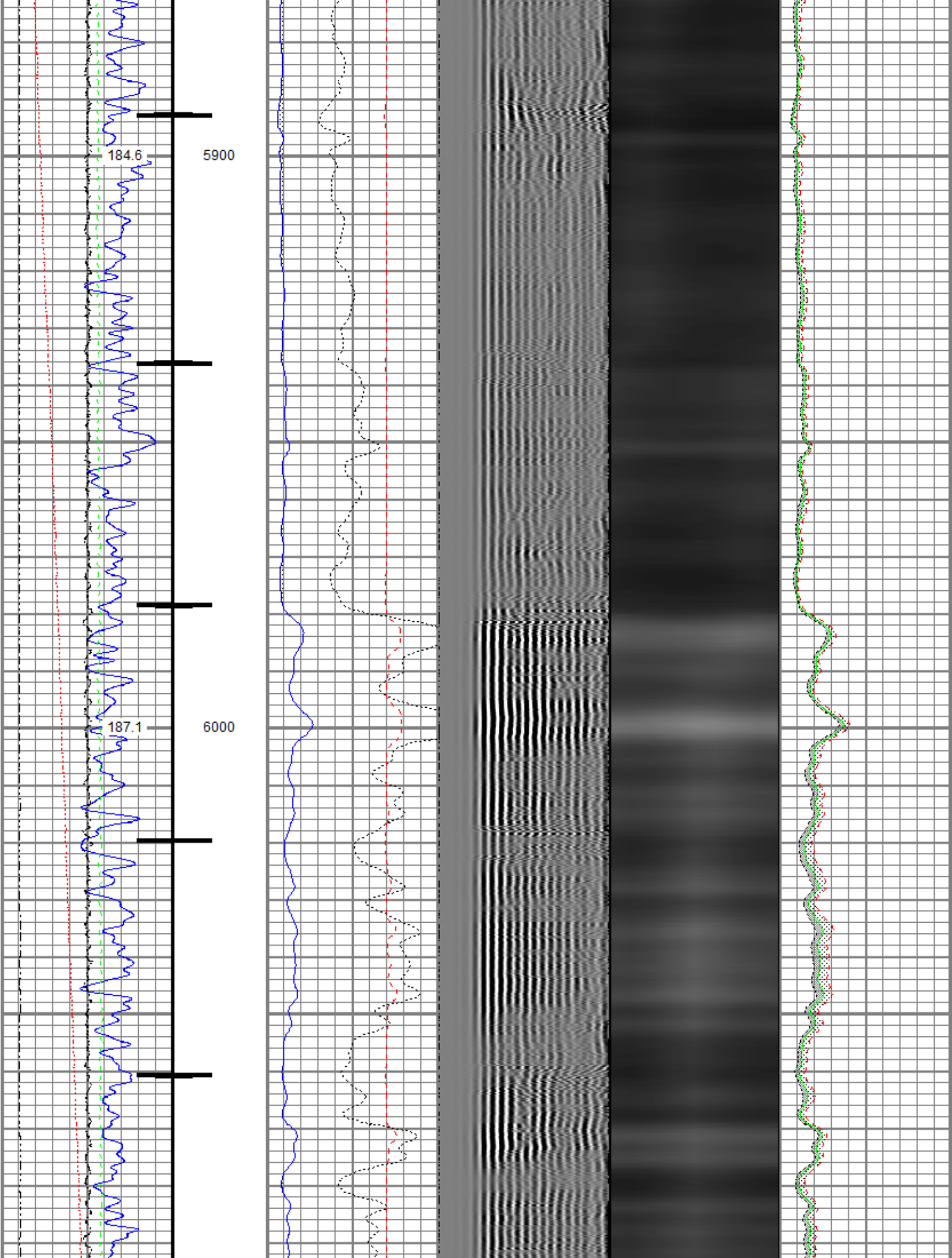


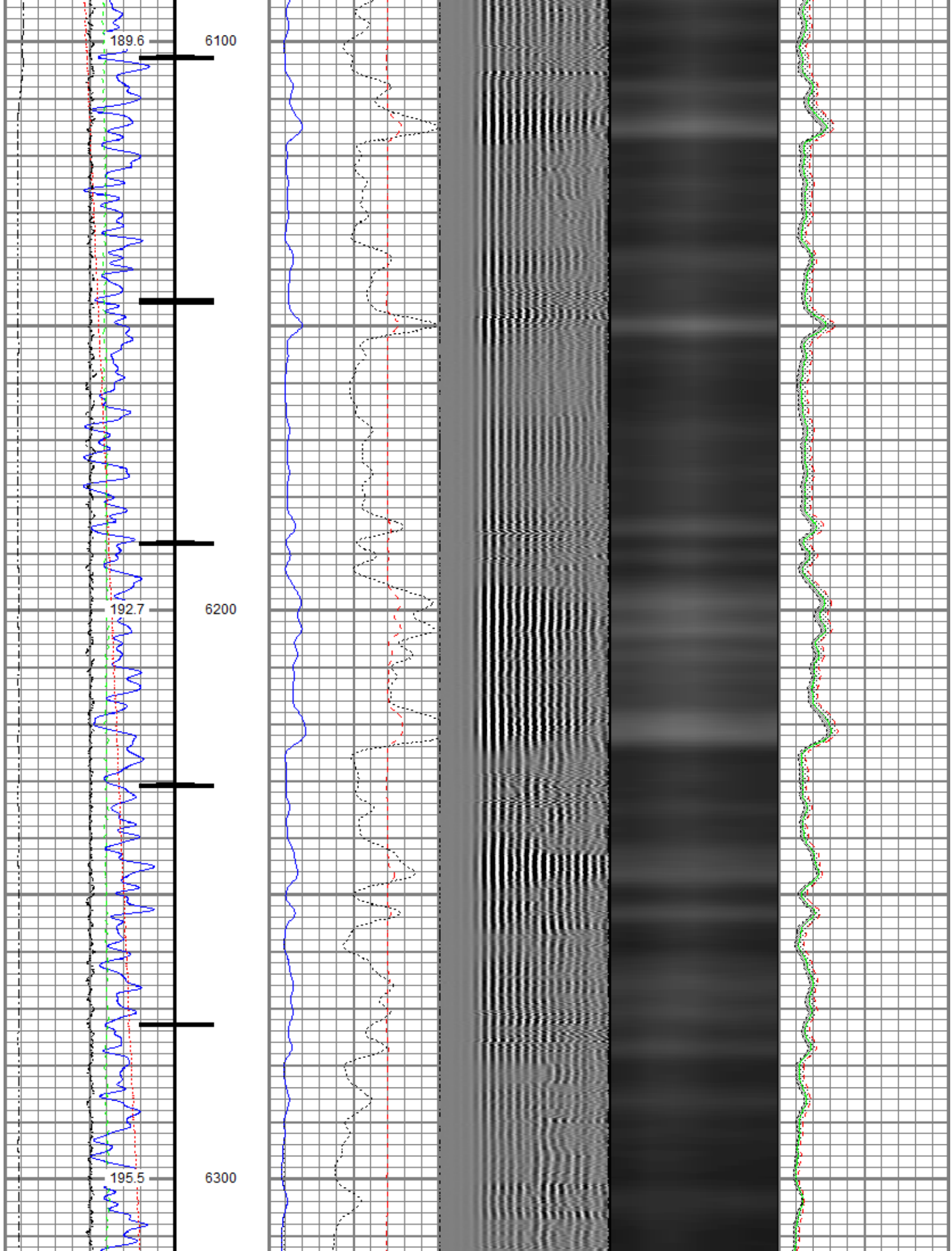


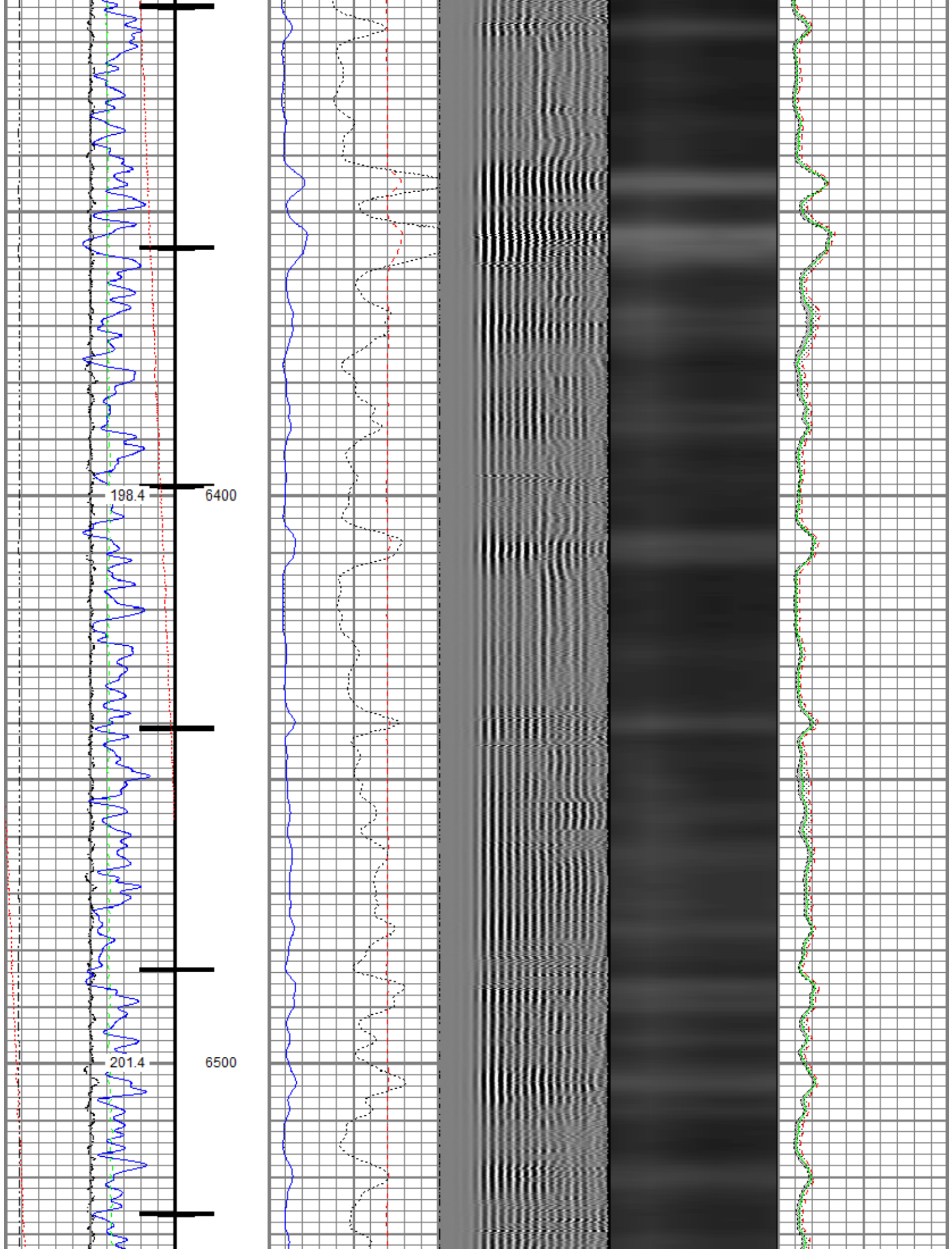


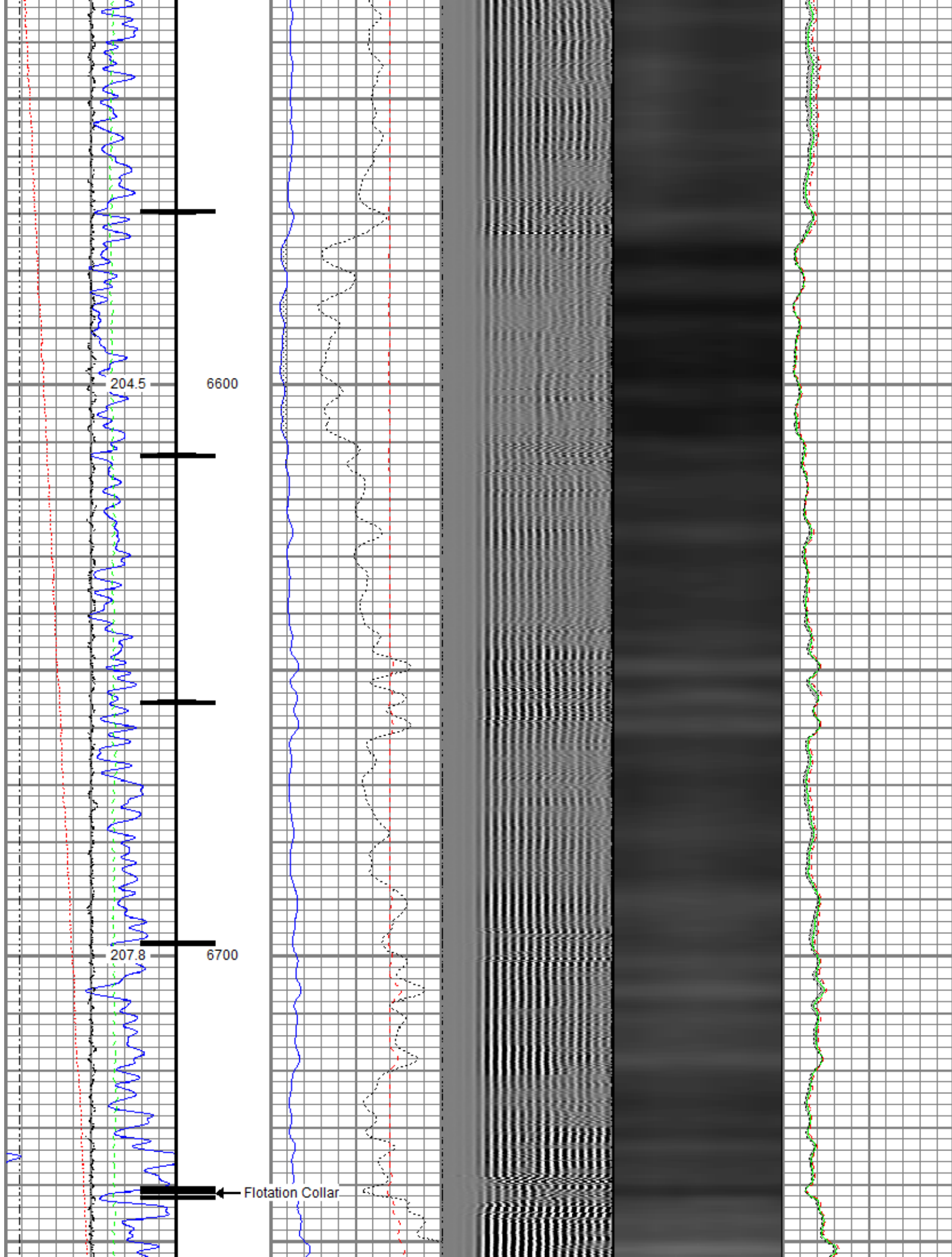


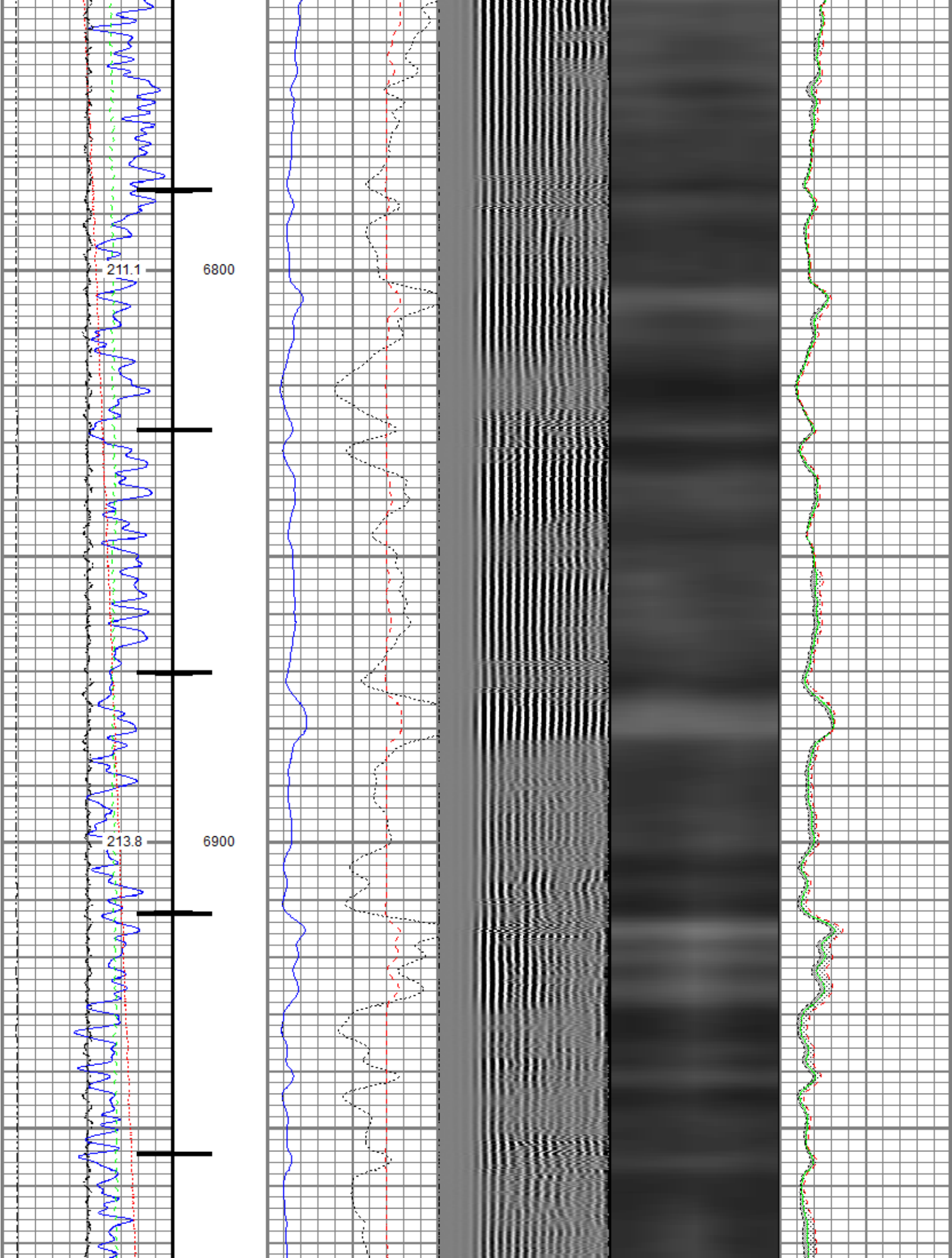


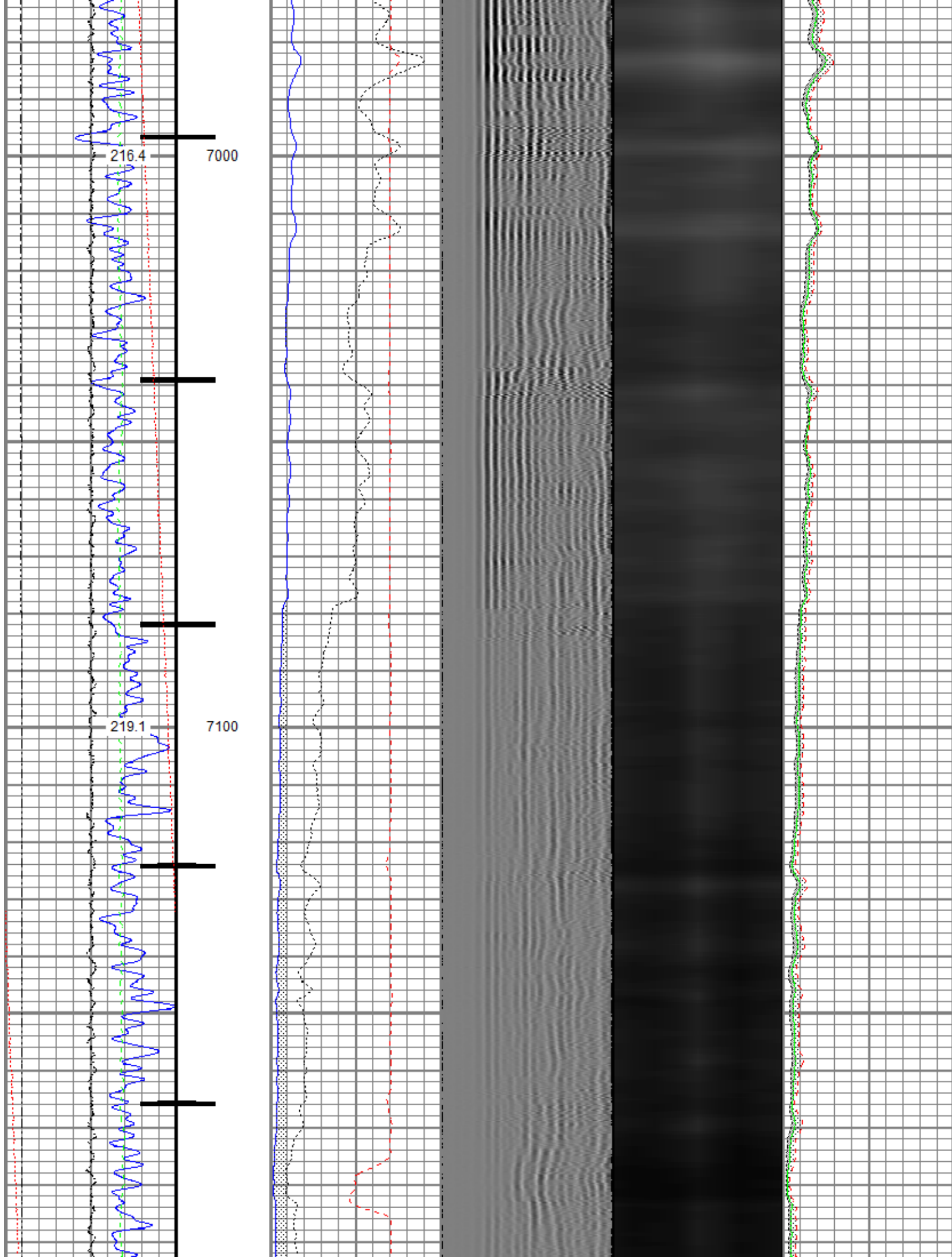


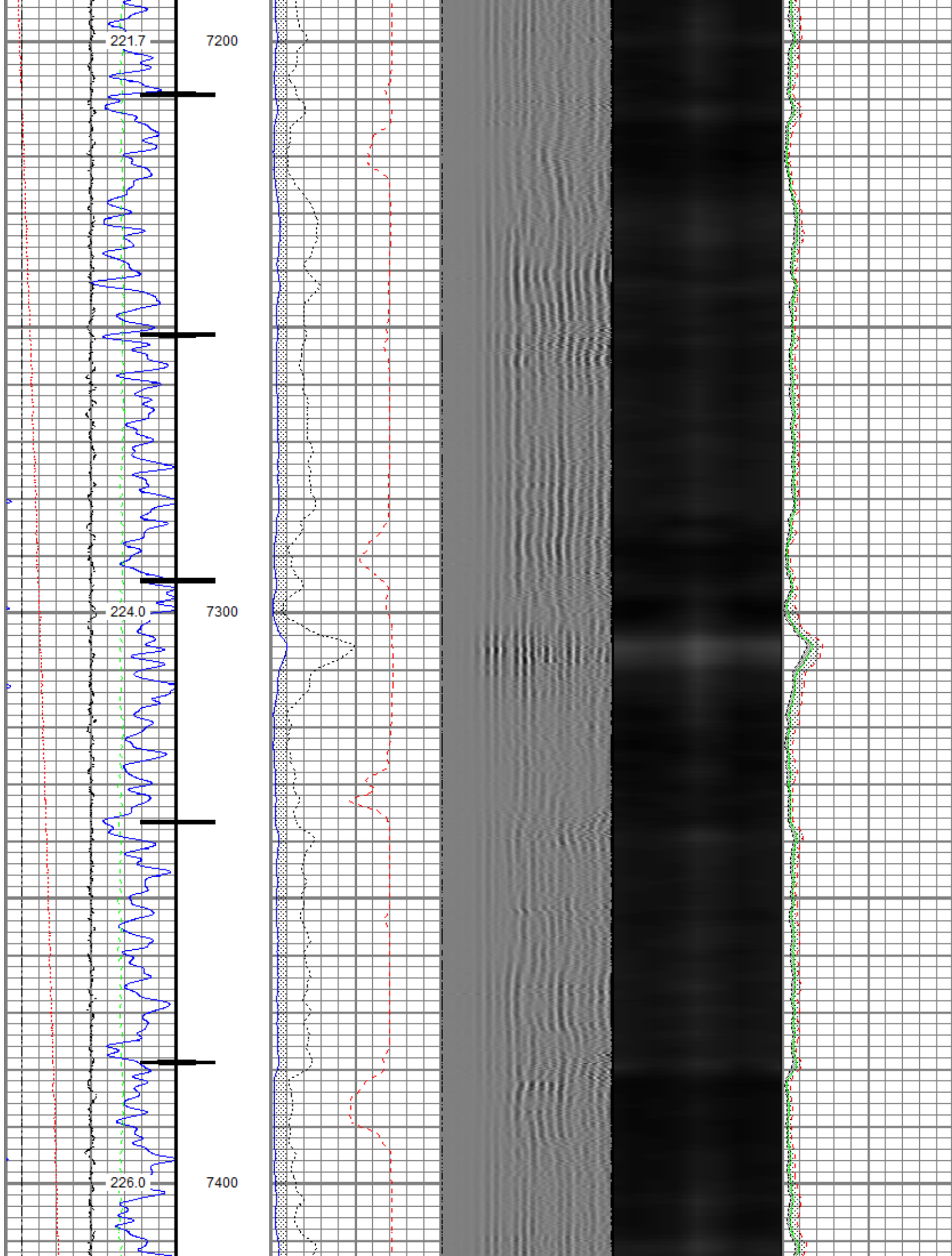


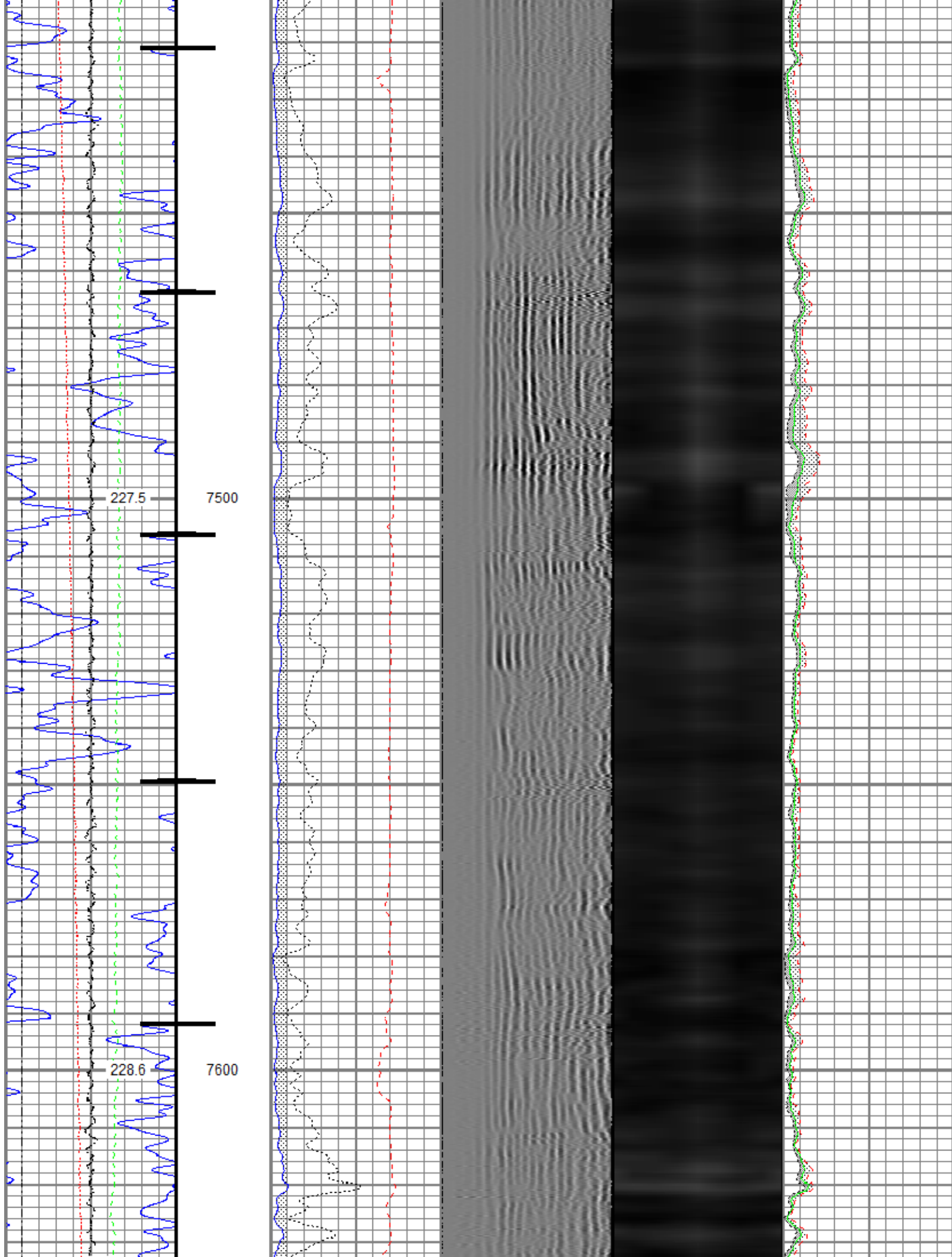


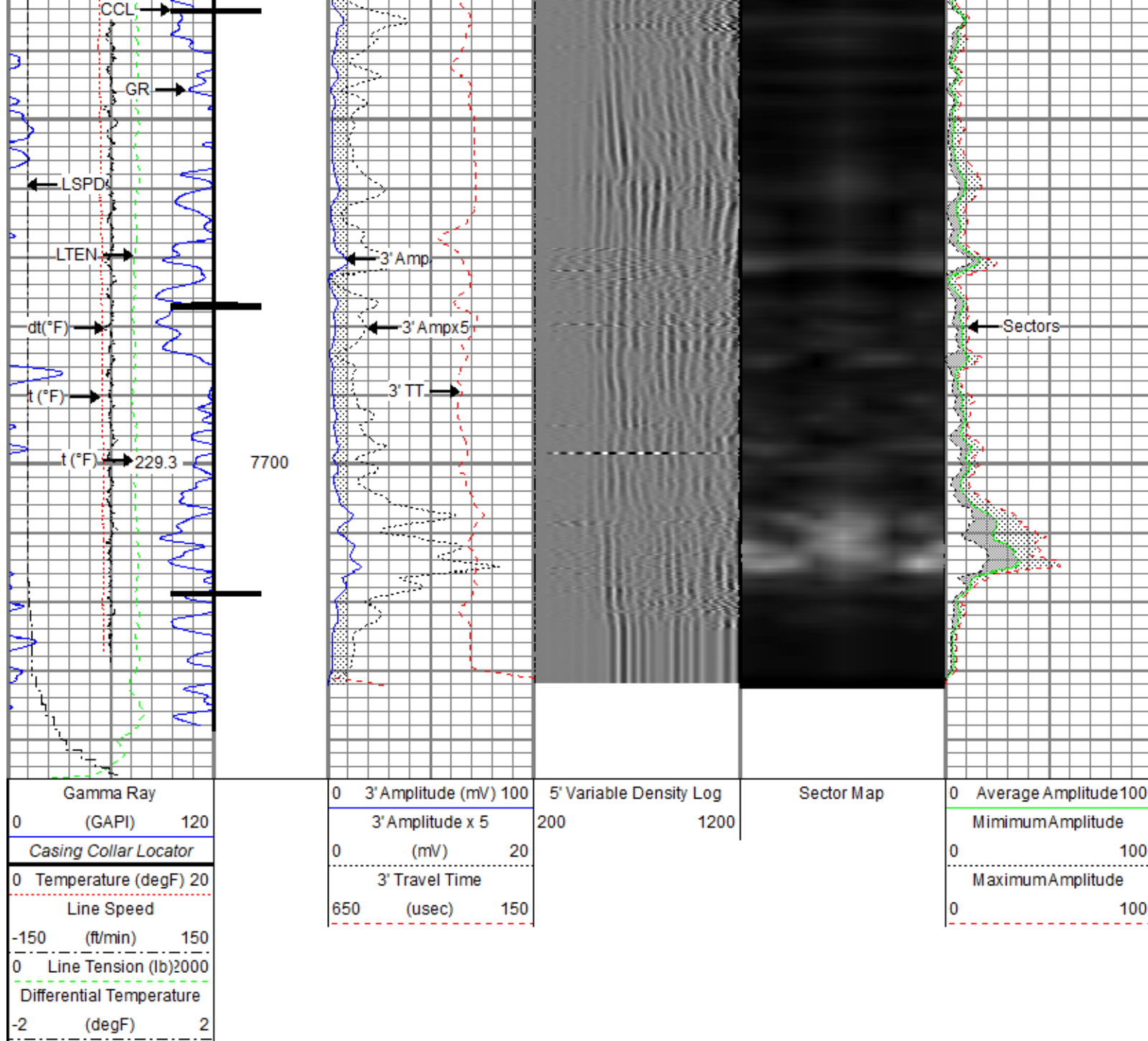








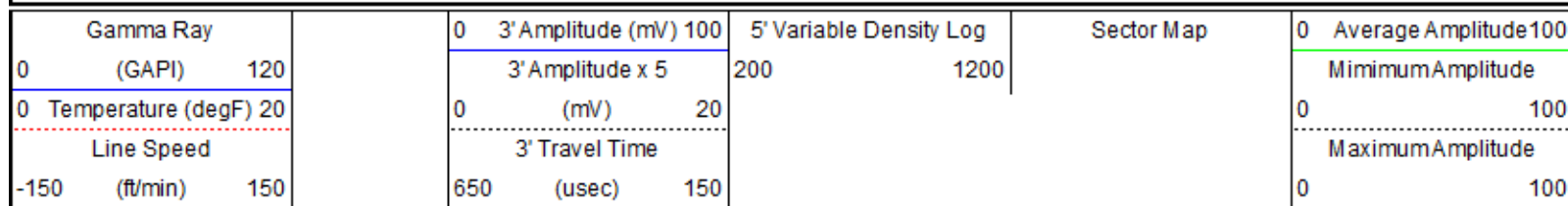




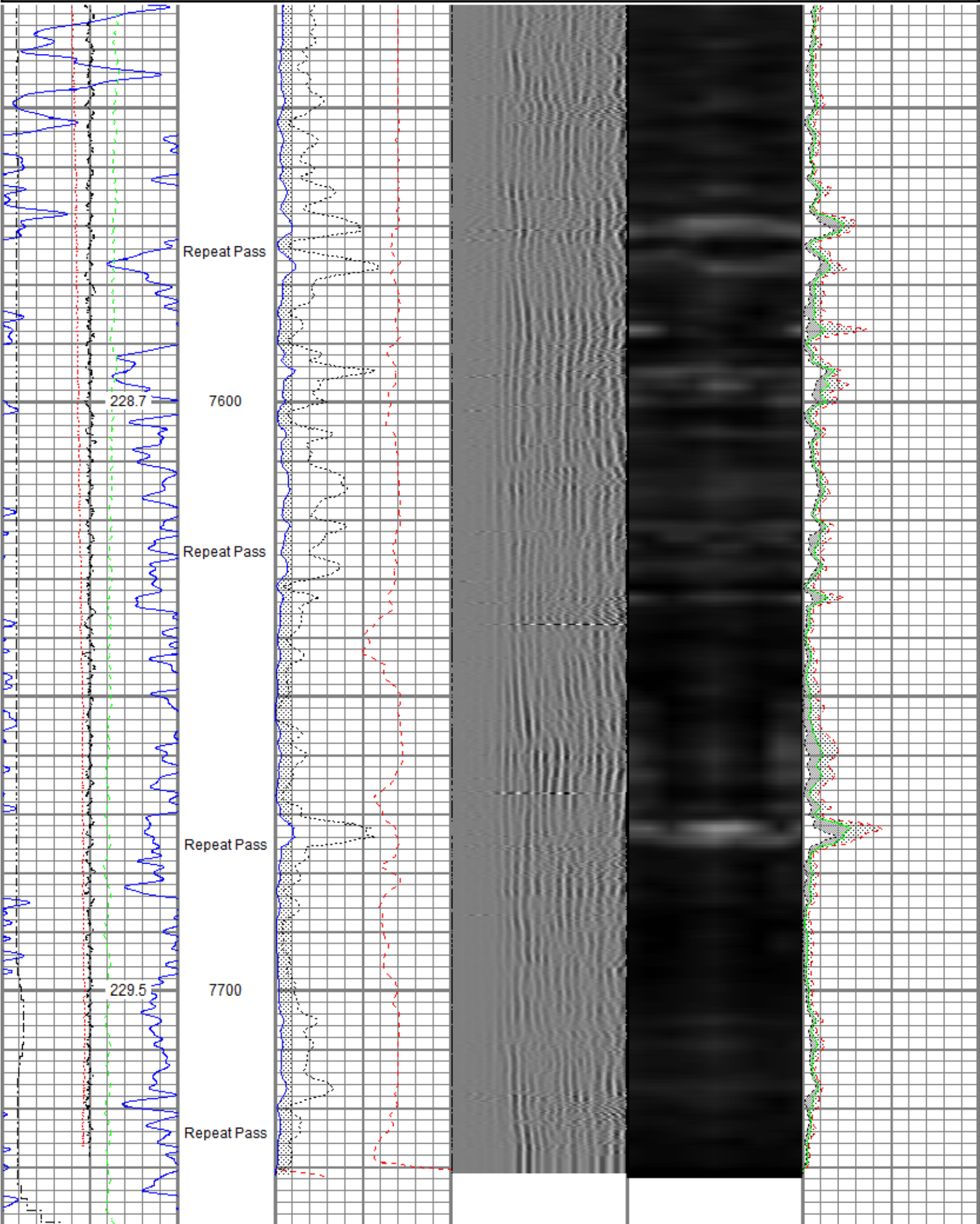
Repeat Pass

Recorded With 0 PSI Surface Induced Pressure

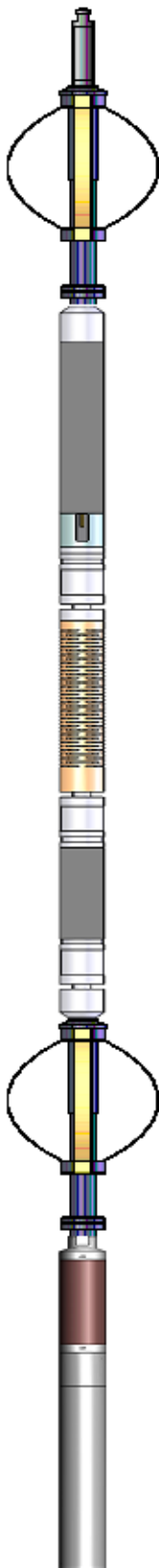
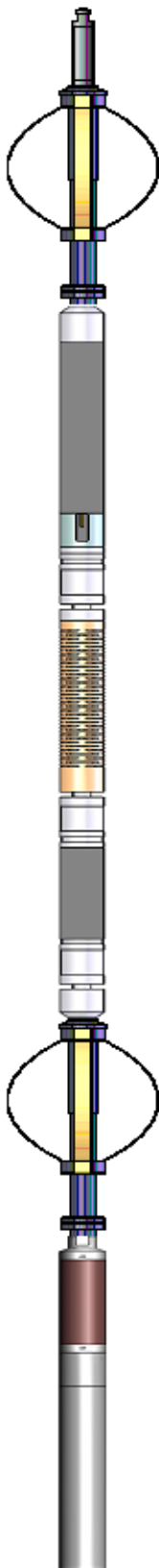
Database File: petro\petro_bef west 19_rbl_04-01-19\processed_petro_bef west 19_rbl_04-01-19.db
 Dataset Pathname: Repeat.2
 Presentation Format: ros_radrii
 Dataset Creation: Tue Apr 02 09:31:30 2019
 Charted by: Depth in Feet scaled 1:240

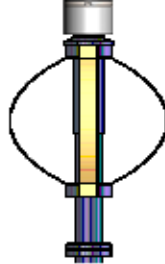


Line Tension (lb) 2000
Differential Temperature
-2 (degF) 2



Gamma Ray			0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
0	(GAPI)	120		3' Amplitude x 5		200	1200		Minimum Amplitude	
0	Temperature (degF)	20	0	(mV)	20			0	100	
Line Speed			3' Travel Time			Maximum Amplitude				
-150	(ft/min)	150	650	(usec)	150			0	100	
0	Line Tension (lb)	2000								
Differential Temperature										
-2	(degF)	2								

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	17.04		Titan CHD-14375 GO	1.03	1.44	3.60
			Titan 1-7/16" Assembled Electric Cable Head w/ 1" Fishing Neck			
			Probe CENT-2750	2.88	2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
WVFS8	14.81		Probe Radii-2750 RBT (FW1308-091)	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					
CCL\$2	6.80		Probe CENT-2750	2.88	2.75	20.00
CCL\$1	6.80		Probe 2-3/4" Electric Inline Bowspring Centralizer			
GR	5.46		Probe GR-CCL-2750 6PB (101001)	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
Probe 2-3/4" Electric Inline Bowspring Centralizer

2.88

2.75

20.00

Dataset: processed_petro_bef west 19_rbl_04-01-19.db: field/well/run1/Main.1
Total length: 23.86 ft
Total weight: 223.60 lb
O.D.: 2.75 in

Calibration Report

Database File c:\programdata\warrior\data\petro\petro_bef west 19_rbl_04-01-19\processed_petro_bef west 19_rbl_04-01-19.db
Dataset Pathname Main.1
Dataset Creation Tue Apr 02 09:08:58 2019

Gamma Ray Calibration Report

Serial Number: 101001
Tool Model: 2750 6PB
Performed: Mon Oct 01 11:32:32 2018

Calibrator Value: 637.0 GAPI

Background Reading: 100.6 cps
Calibrator Reading: 981.1 cps

Sensitivity: 0.7235 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1308-091
Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
Calibration Depth: 8.976 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	0.509	0.800	71.921	141.666	-0.162
CAL	0.735	0.735				
5'	0.009	0.450	0.800	71.921	161.209	-0.619
SUM						
S1	0.005	0.502	0.000	100.000	201.429	-1.021
S2	0.008	0.521	0.000	100.000	194.707	-1.505
S3	0.007	0.531	0.000	100.000	190.865	-1.284
S4	0.004	0.522	0.000	100.000	193.180	-0.862
S5	0.006	0.524	0.000	100.000	193.375	-1.247
S6	0.006	0.512	0.000	100.000	197.631	-1.102
S7	0.007	0.499	0.000	100.000	203.286	-1.396
S8	0.005	0.501	0.000	100.000	201.794	-1.095

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.735	0.735	1.000	0.000

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.007	0.000	-0.001
5'	0.008	0.000	0.001
SUM			
S1	0.004	0.000	0.000
S2	0.007	0.000	0.000
S3	0.006	0.000	0.001
S4	0.006	0.000	-0.001
S5	0.006	0.000	0.001
S6	0.006	0.000	-0.001
S7	0.007	0.000	0.000
S8	0.006	0.000	-0.000

Temperature Calibration Report

Serial Number: FW1308-091
Tool Model: 2750 RBT
Performed: Mon Oct 01 11:32:16 2018

	Reference	Reading
Low Reference:	100.00 degF	104.72 degF
High Reference:	350.00 degF	392.24 degF
Gain:	0.87	
Offset:	8.94	
Delta Spacing	1	



Company	Petro Operating Company LLC
Well	BEF West 19
Field	Wattenberg
County	Adams
State	Colorado