

Well Cook 26G-16HZ

Field Wattenberg

County Weld State Colorado

Location: API #: 05-123-4223/

Other Services

Gauge Ring

SEC 16 TWP 2N RGE 65W

Permanent Datum	Ground Level	Elevation	48/8
Kelly-Rushing	25 FT		

Drilling Measured From	Kelly Bushing		G.L. 4878
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G.L. 4878

G.L. 4878

G.L. 4878

Date	03-AUG-2016
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Run Number	1 WO
Depth Driller	12450 FT

Depth Logger	7442 FT
Bottom Logged Interval	7437 FT

Top Log Interval	Surface
Open Hole Size	---

Type Fluid	Water
Density / Viscosity	8.34 lbm/g

Max. Recorded Temp.	241°F
Estimated Cement Top	Surface

Time Well Ready	ROA
Time Logger on Bottom	14:29

Equipment Number	HD-0325
Location	Fort Lupton.

Recorded By	C. Bryan
Witnessed By	Kelly Wies

Borehole Record		
Run Number	Bit	From To
1	10	10
2	10	10
3	10	10
4	10	10
5	10	10
6	10	10
7	10	10
8	10	10
9	10	10
10	10	10
11	10	10
12	10	10
13	10	10
14	10	10
15	10	10
16	10	10
17	10	10
18	10	10
19	10	10
20	10	10
21	10	10
22	10	10
23	10	10
24	10	10
25	10	10
26	10	10
27	10	10
28	10	10
29	10	10
30	10	10
31	10	10
32	10	10
33	10	10
34	10	10
35	10	10
36	10	10
37	10	10
38	10	10
39	10	10
40	10	10
41	10	10
42	10	10
43	10	10
44	10	10
45	10	10
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62	10	10
63	10	10
64	10	10
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67	10	10
68	10	10
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82	10	10
83	10	10
84	10	10
85	10	10
86	10	10
87	10	10
88	10	10
89	10	10
90	10	10
91	10	10
92	10	10
93	10	10
94	10	10
95	10	10
96	10	10
97	10	10
98	10	10
99	10	10
100	10	10

[illegible]

Casing Record	Size (in)	Wgt (lbs/ft)
Surface Casing	8 5/8	24

Intermediate #1	5 1/2	17
Intermediate #2		

liner		
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, 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. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.

Comments

Log ran as per customer request
Depth referenced to Marker Joint Top at 6372 FT
Adjusted Log -4 FT to correlate with Marker Joint Top
Log ran from 7442 FT to surface
Log ran with 2800 PSI surface induced pressure
Logging tools were clean and free of any debris upon completion of operations

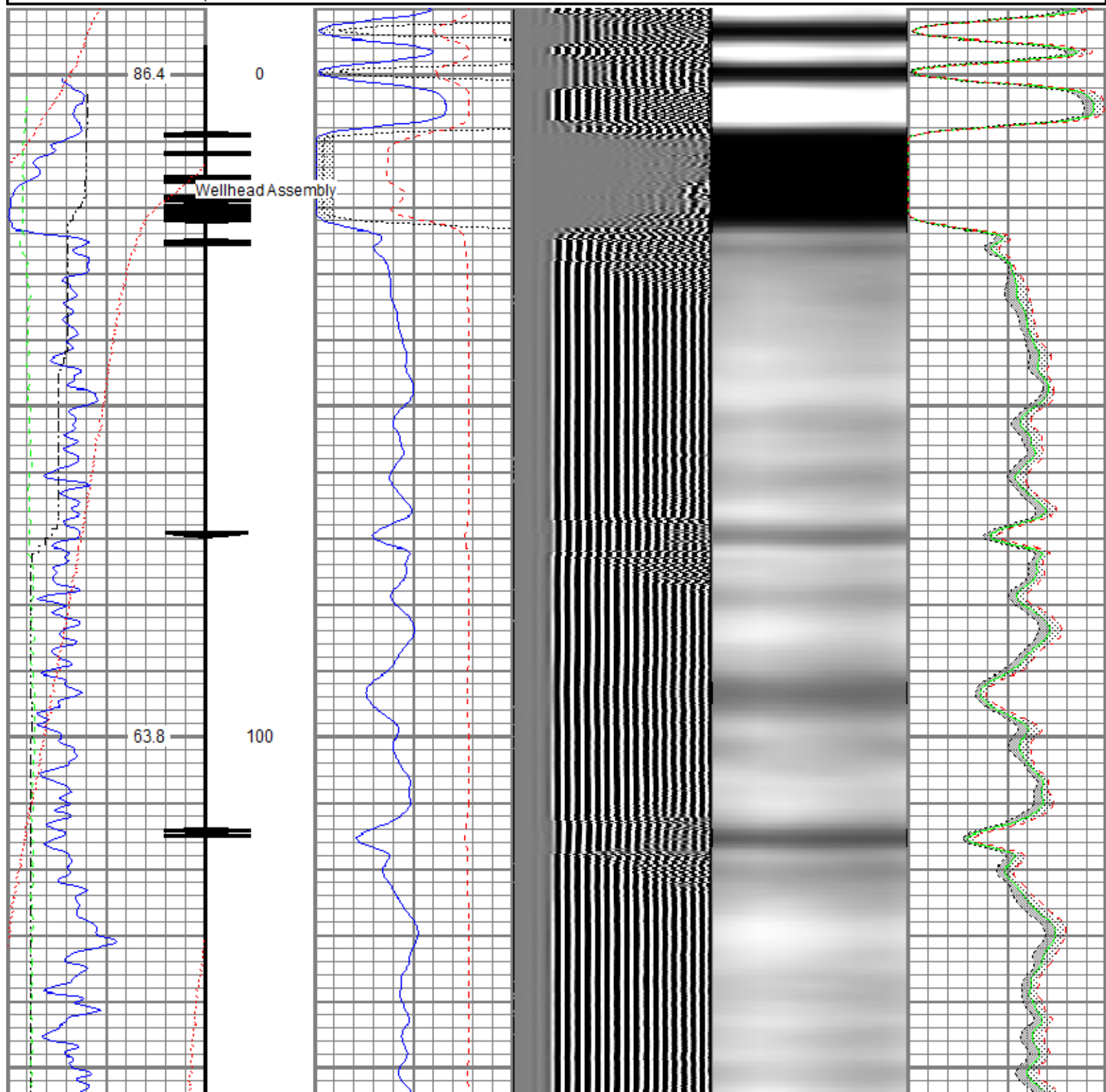
Thank you for choosing Reliance Oilfield Services, LLC!!

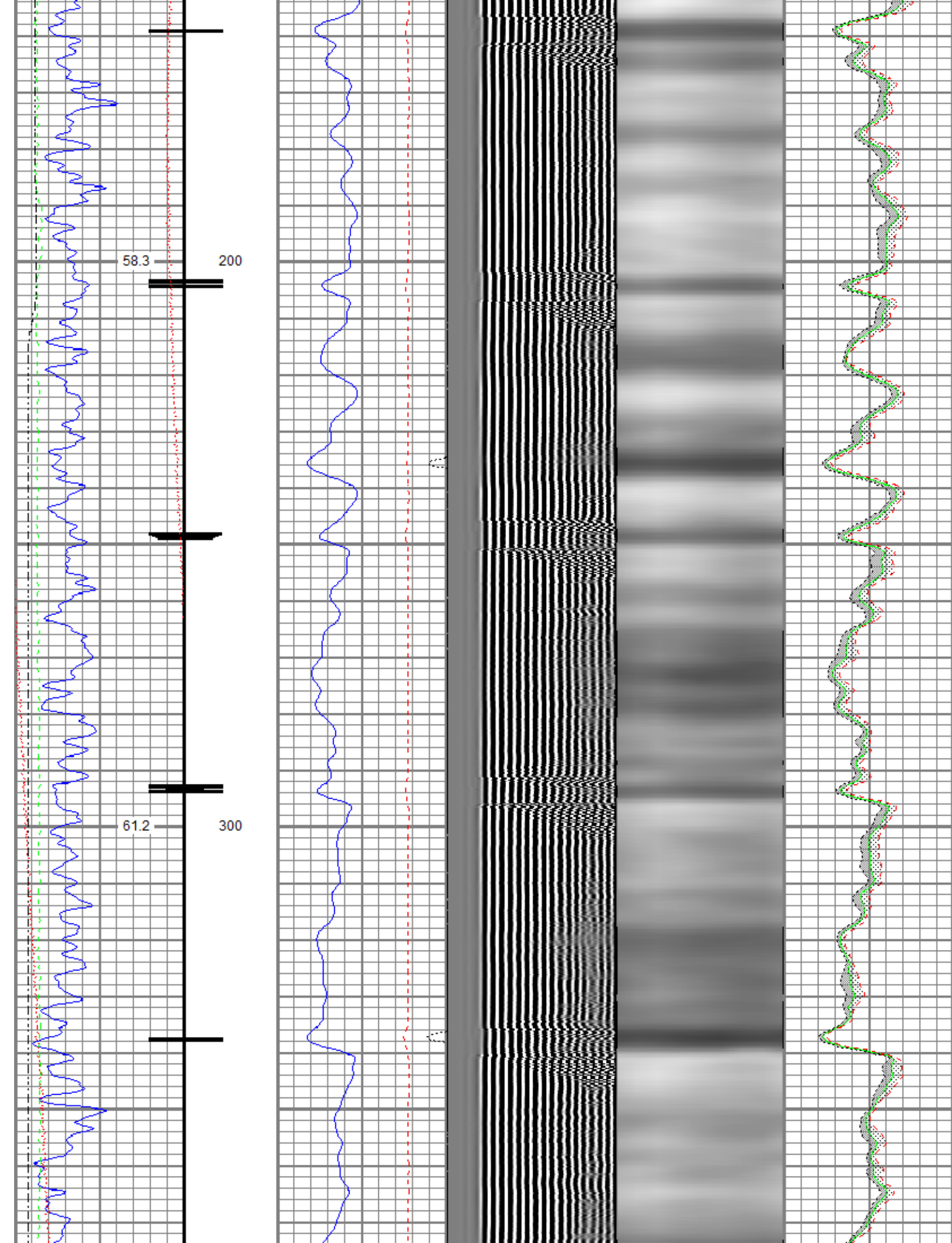


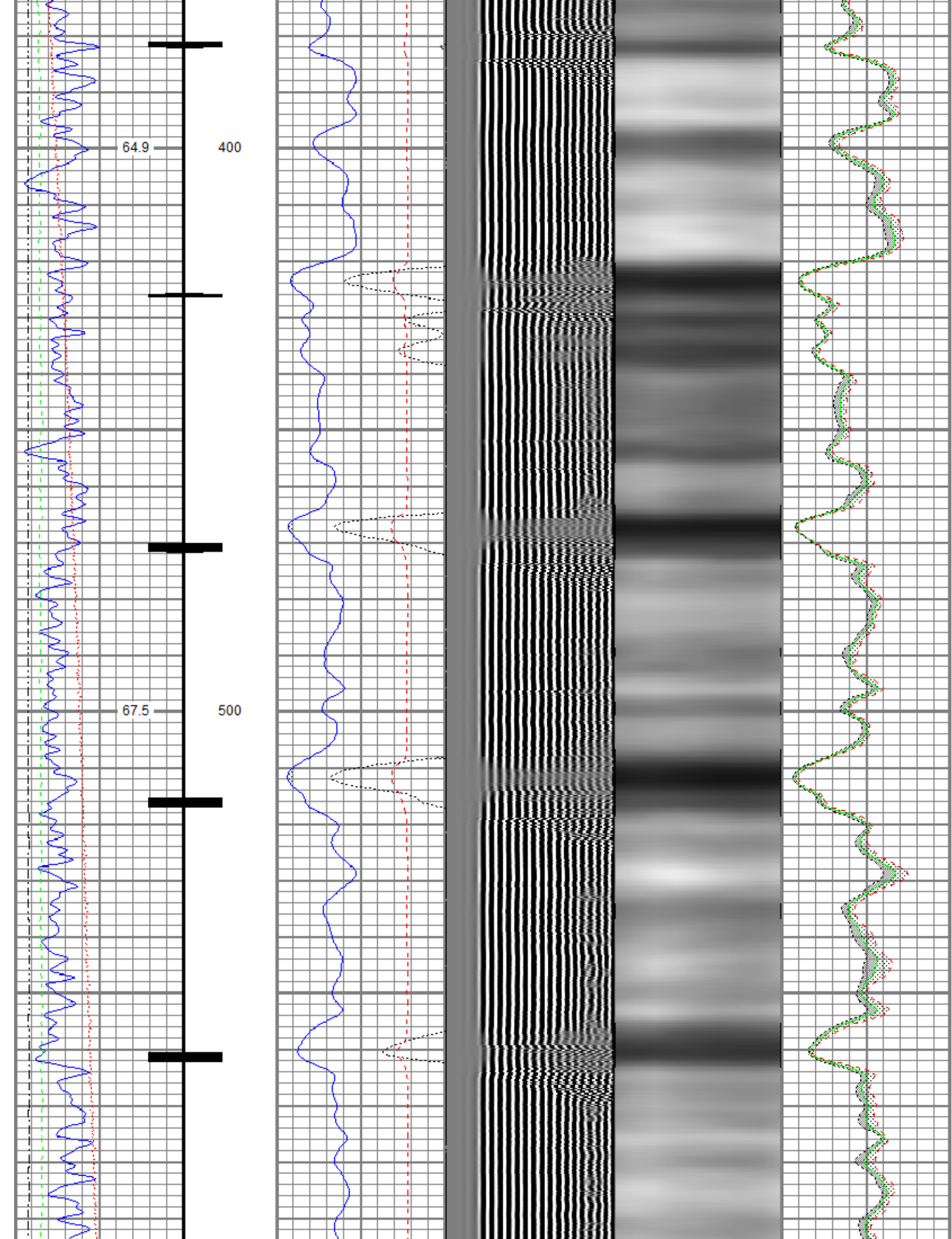
Recorded With 2800 PSI Surface-Induced Pressure

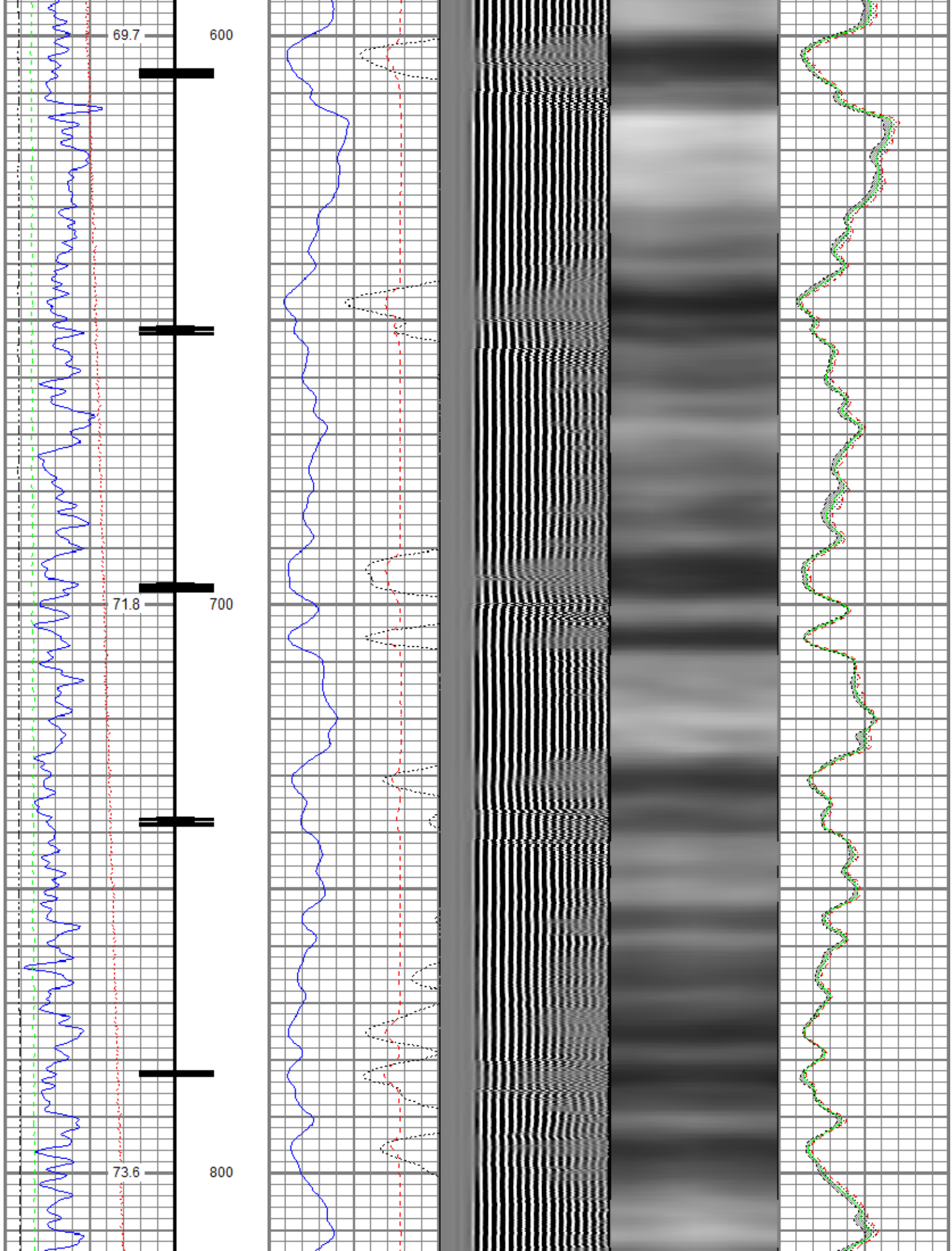
Database File anadarko_cook_26g-16hz_rbl_03-aug-2016_w8.db
 Dataset Pathname main
 Presentation Format ros_radri
 Dataset Creation Wed Aug 03 14:30:52 2016
 Charted by Depth in Feet scaled 1:240

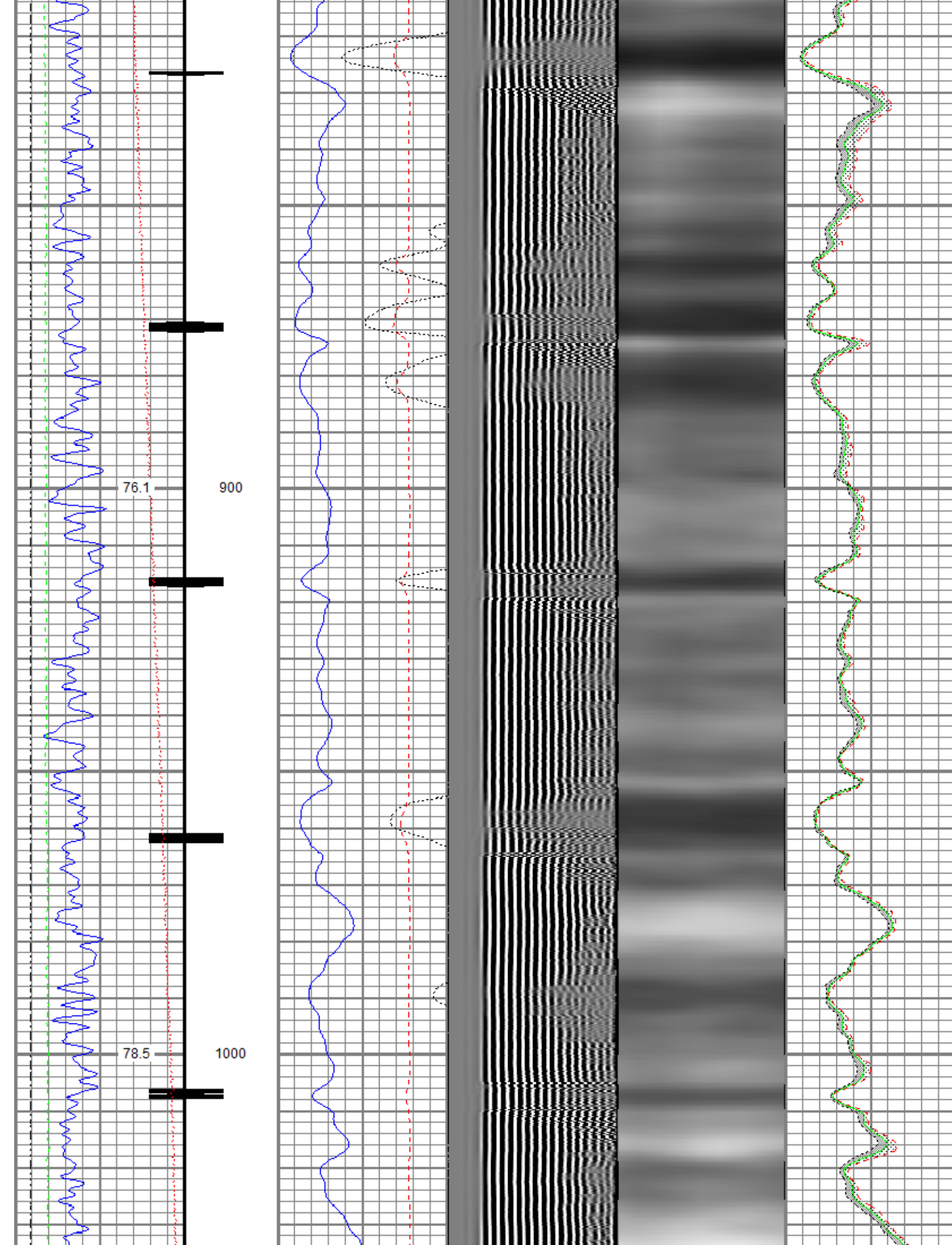
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Casing Collar Locator		0 (mV) 20			0	100
0 Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed		650 (usec) 150			0	100
-150 (ft/min) 150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

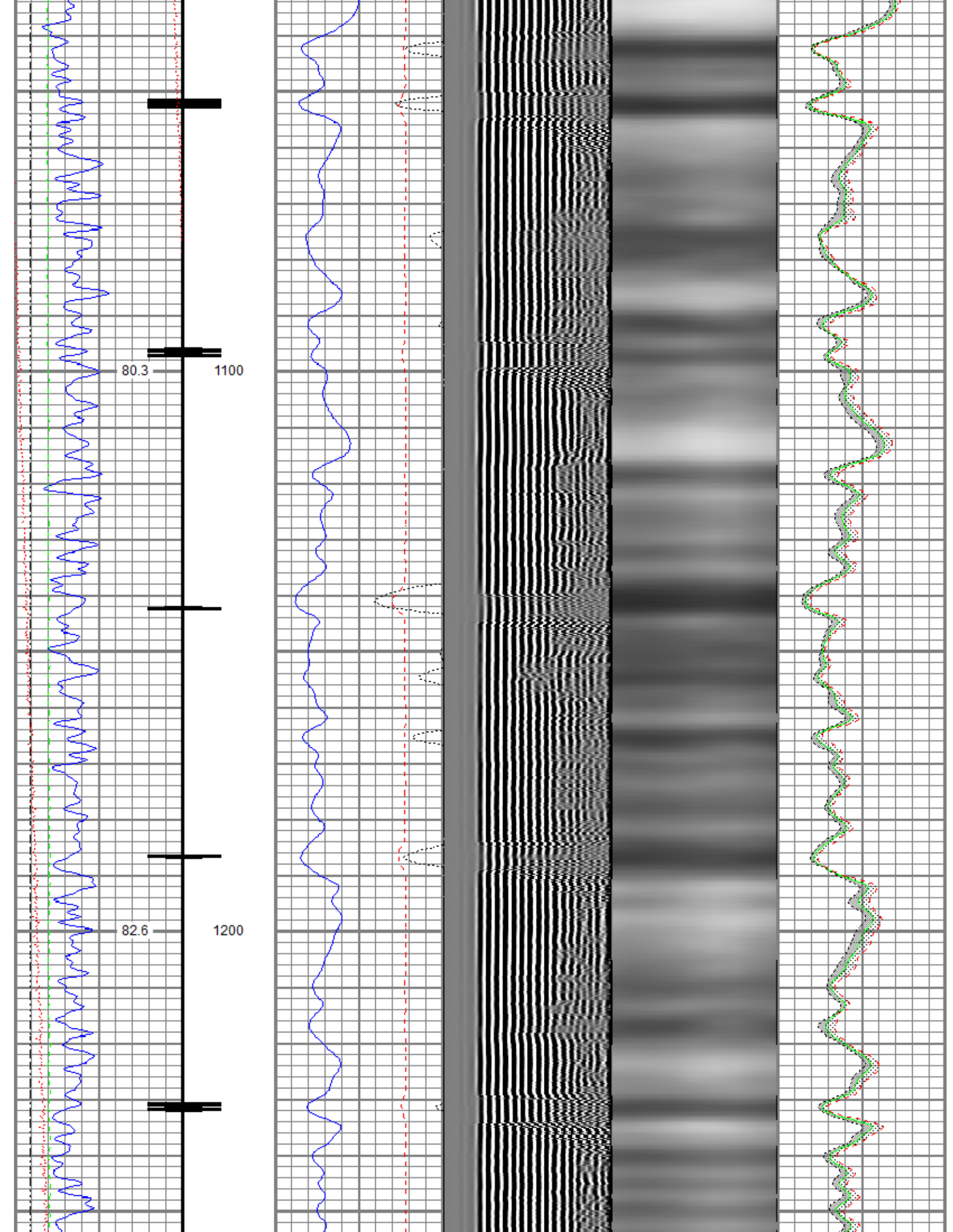


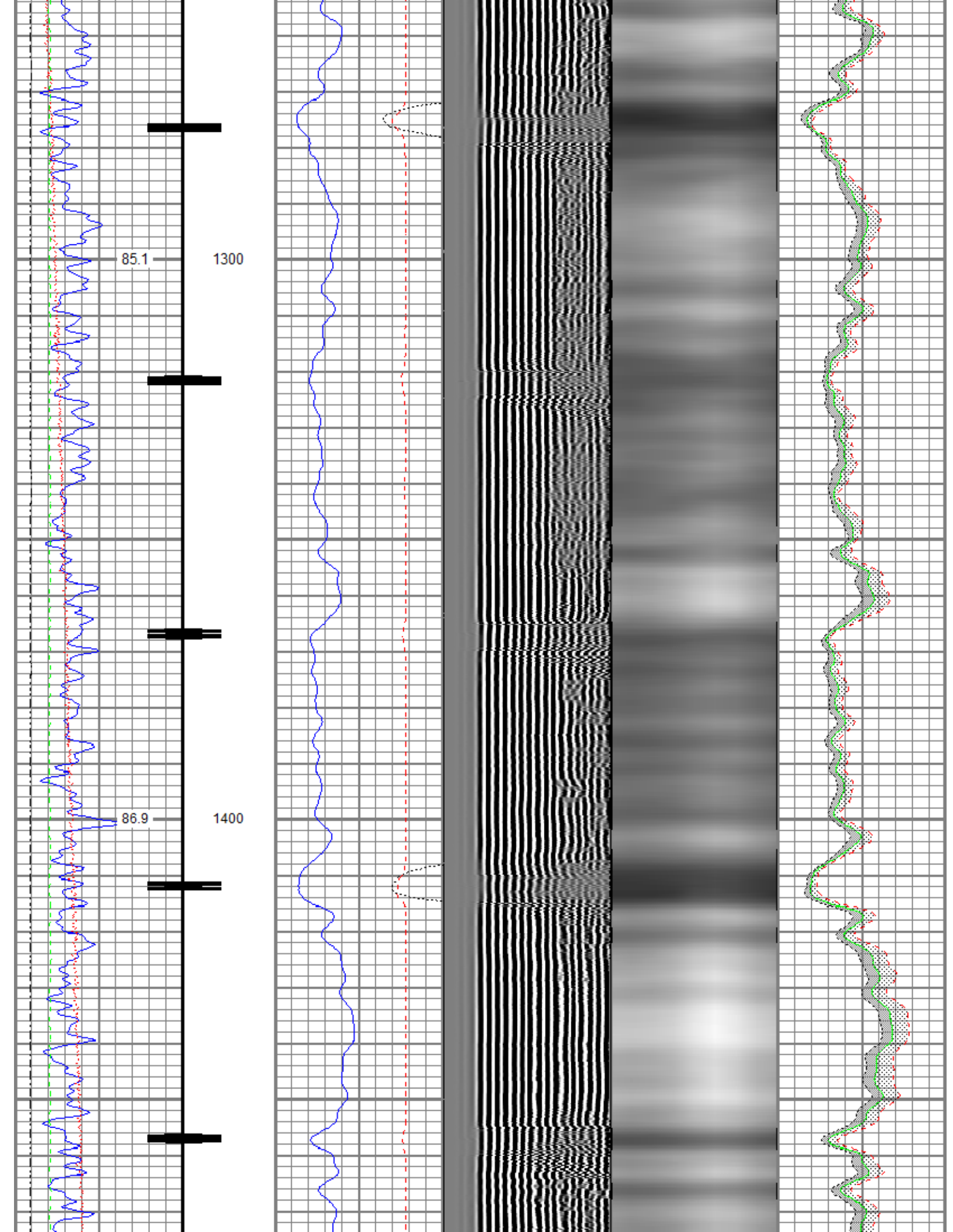


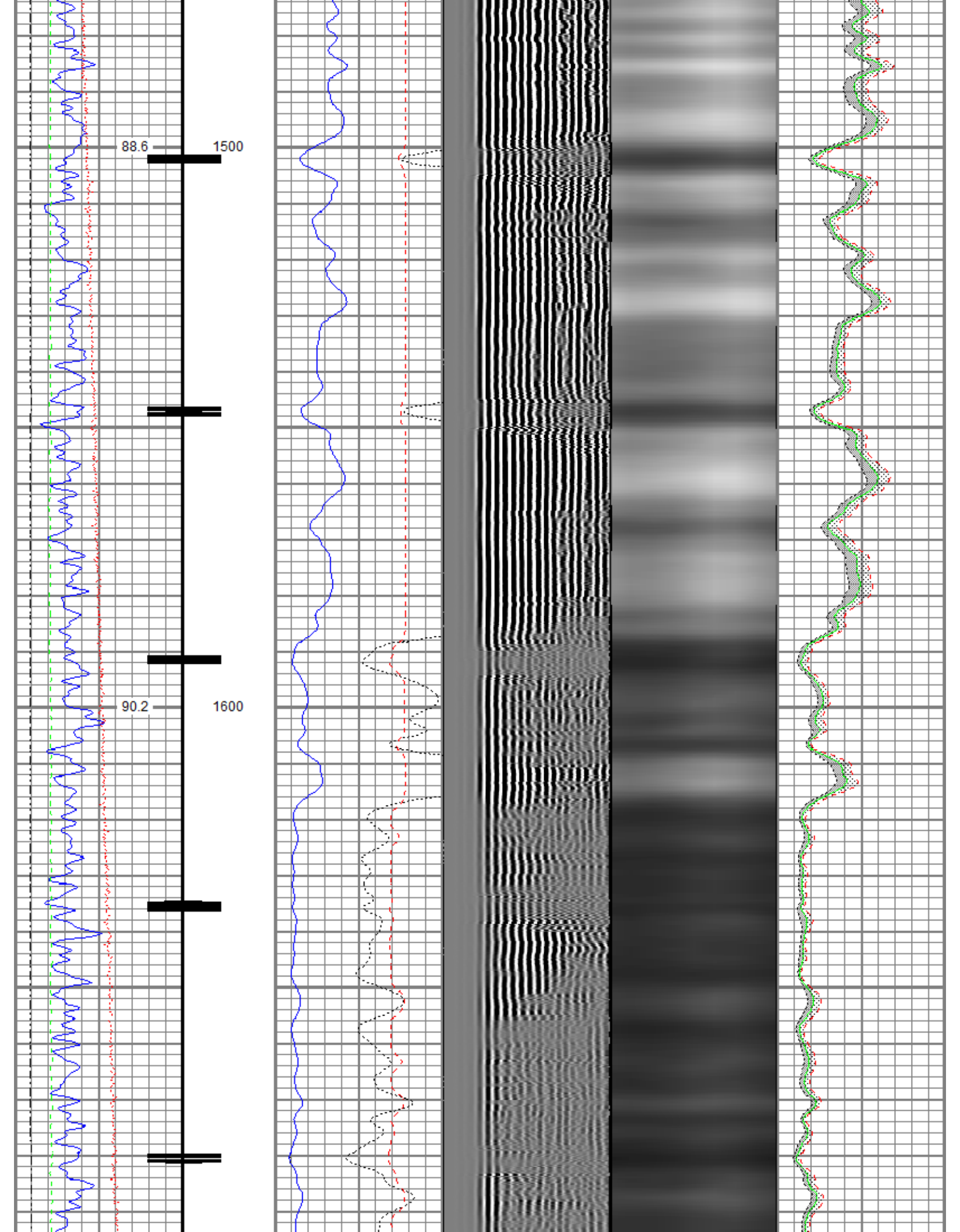


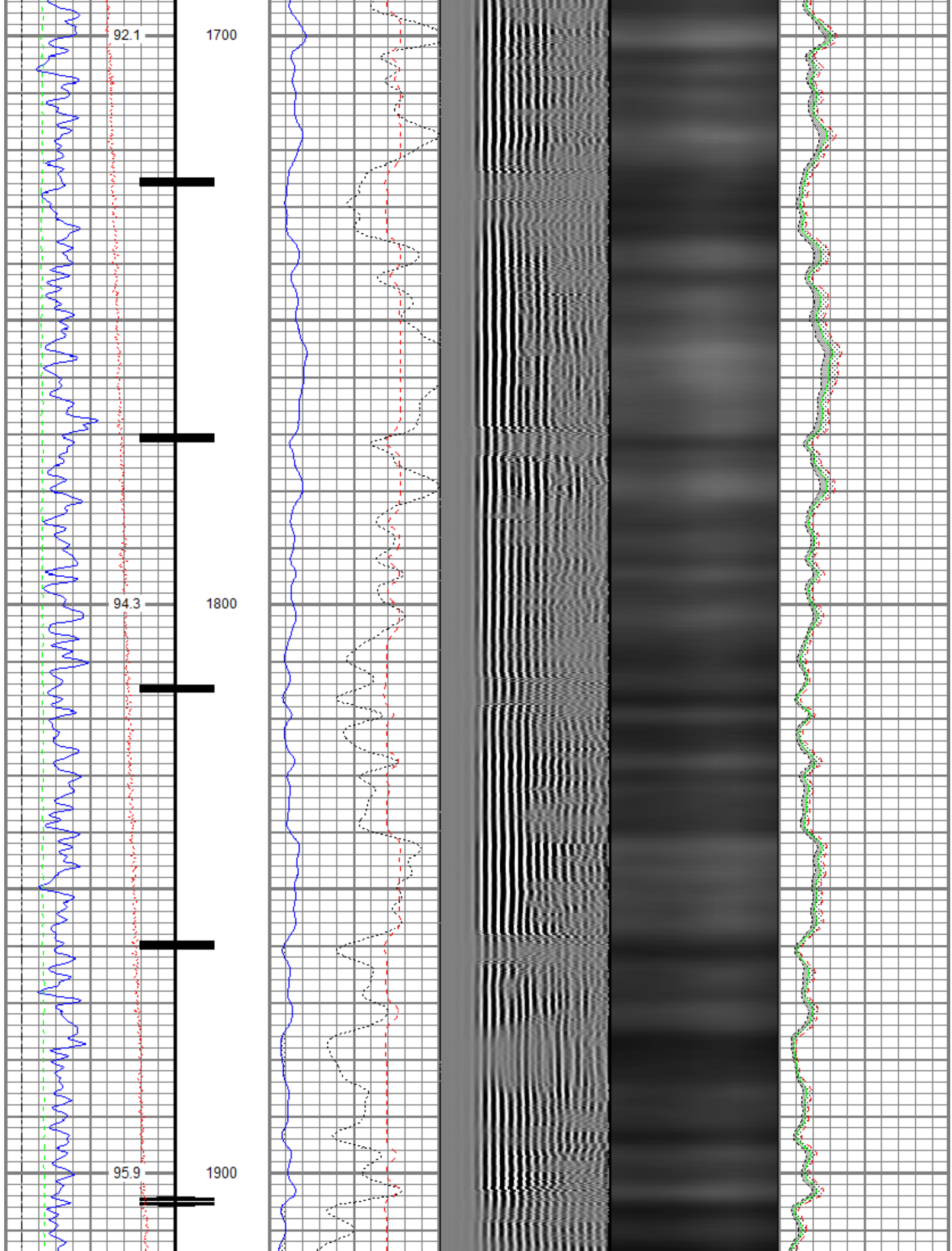


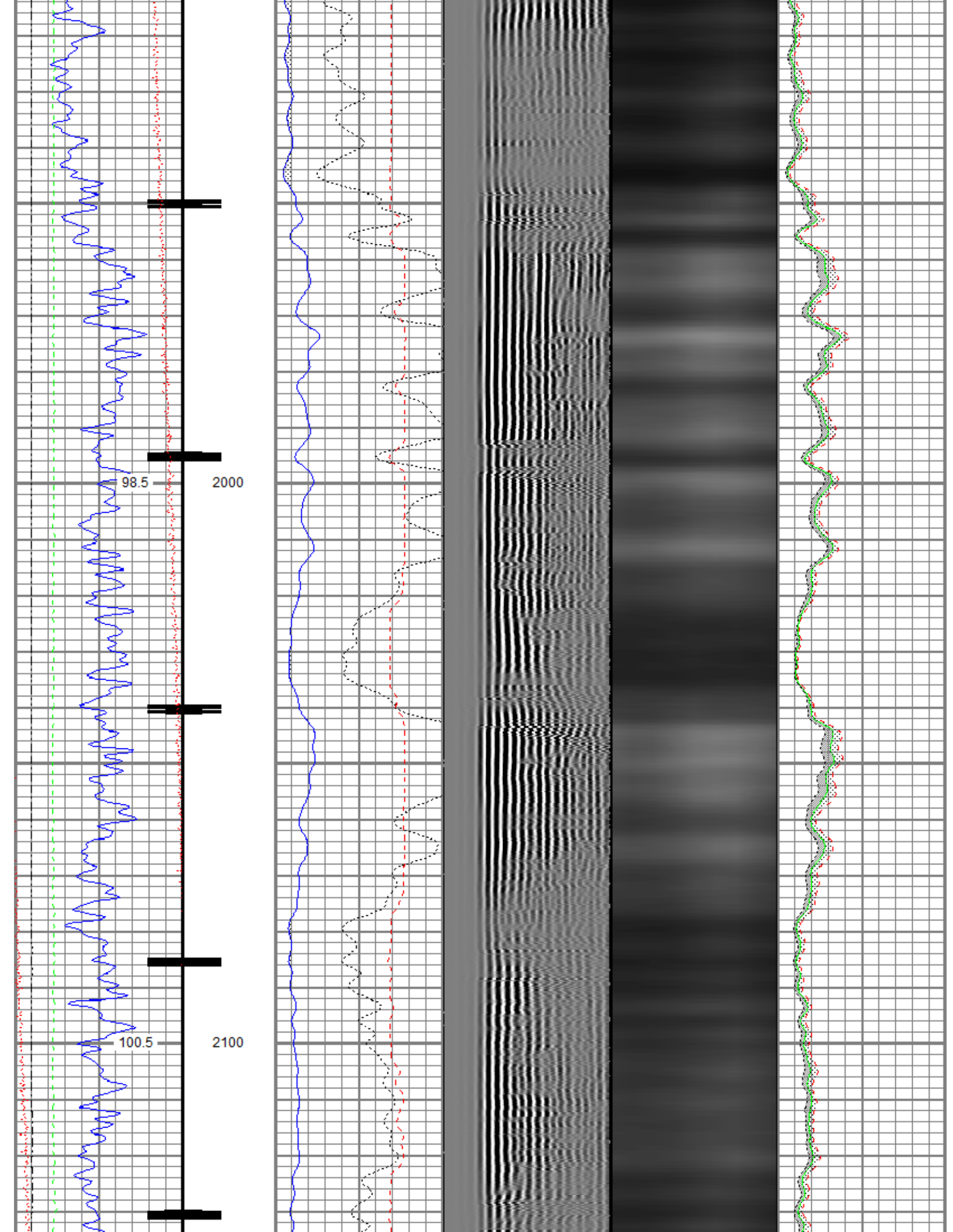


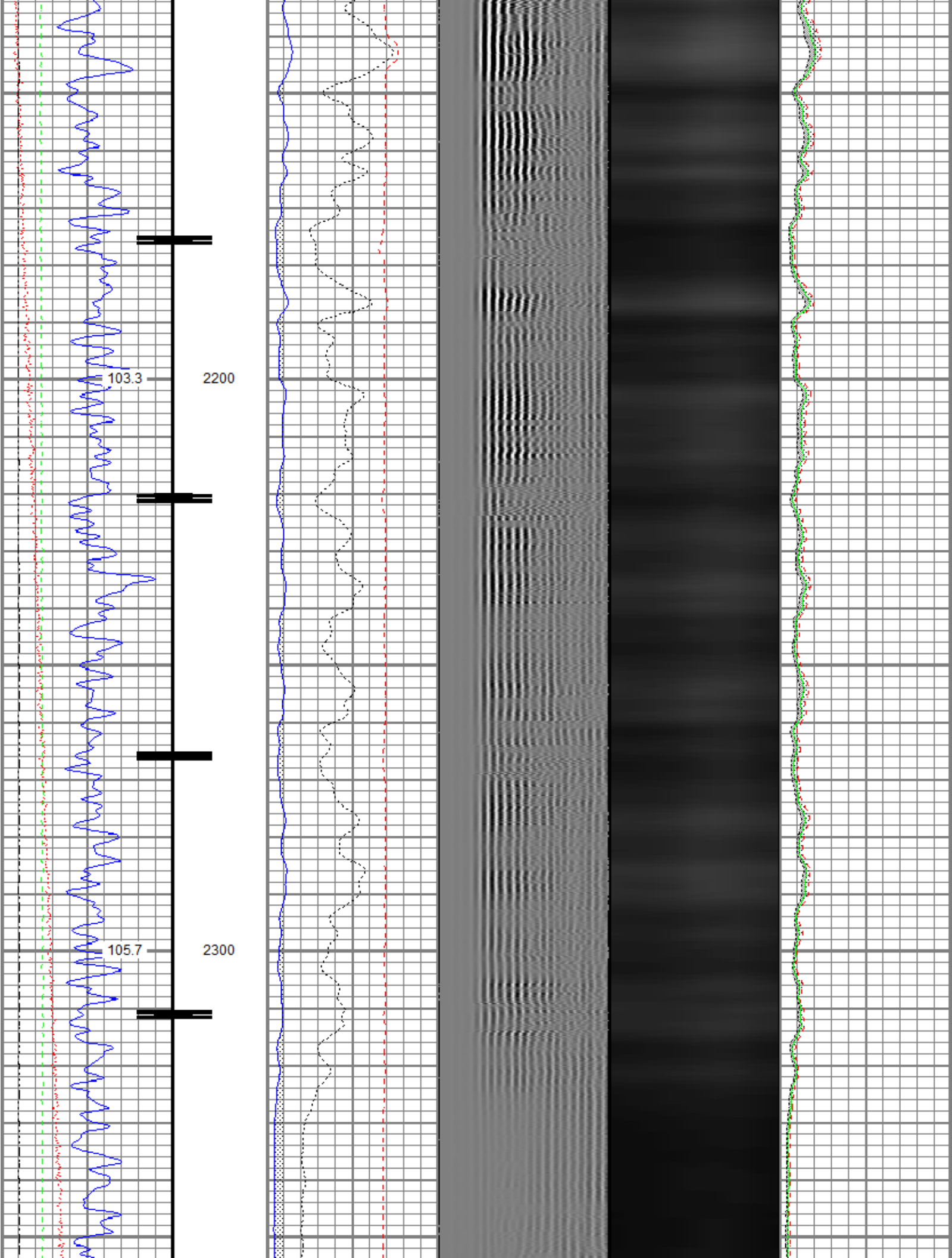


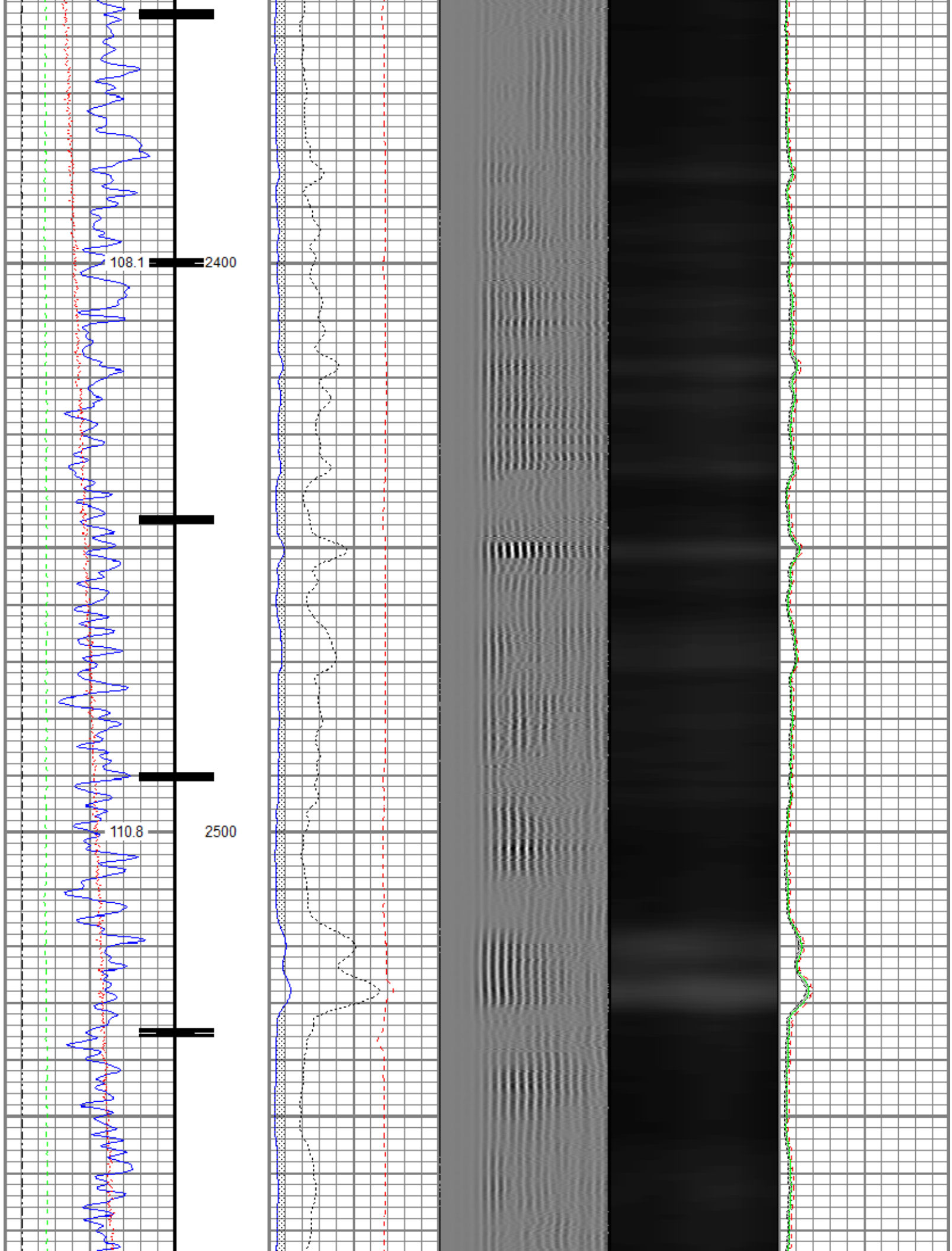


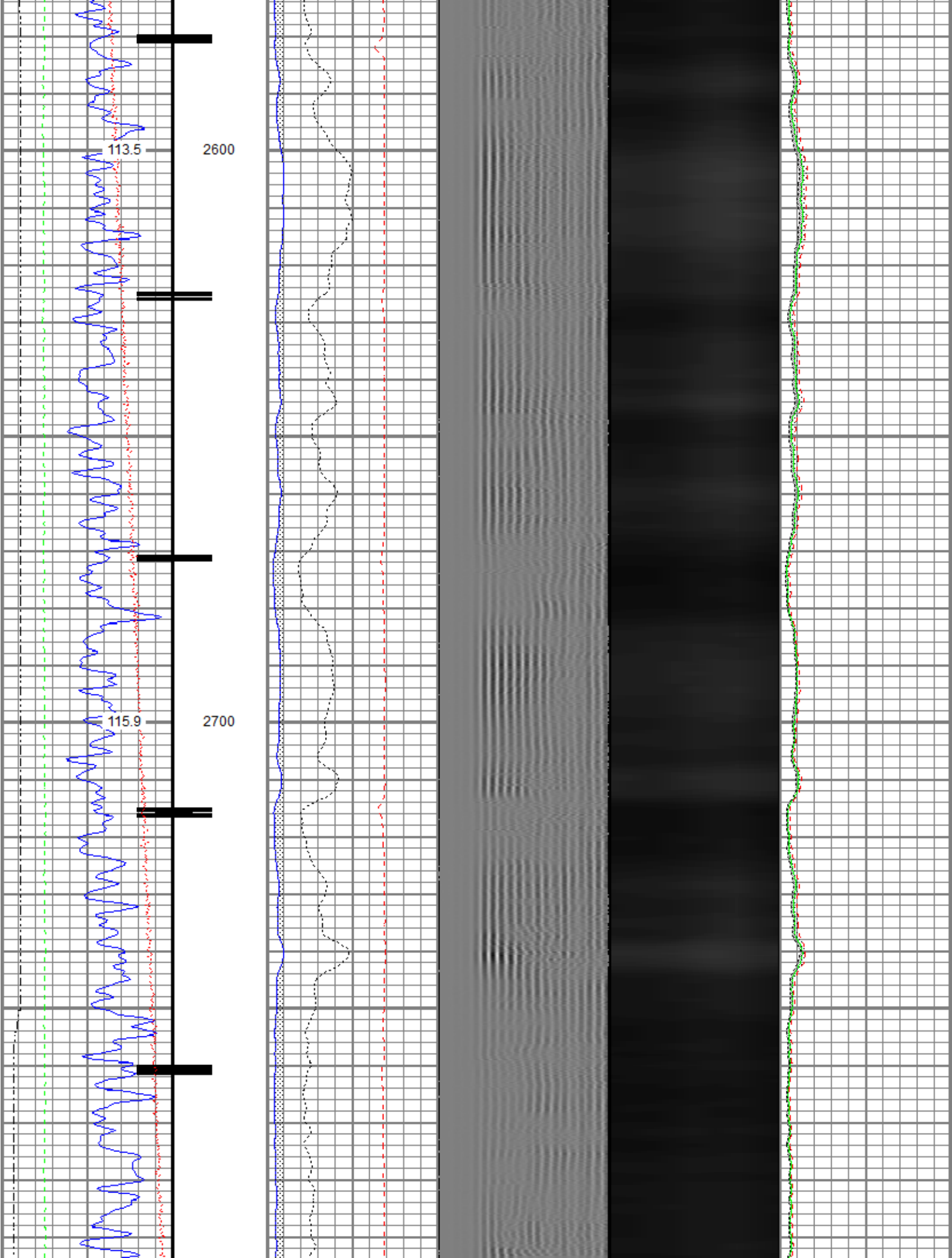


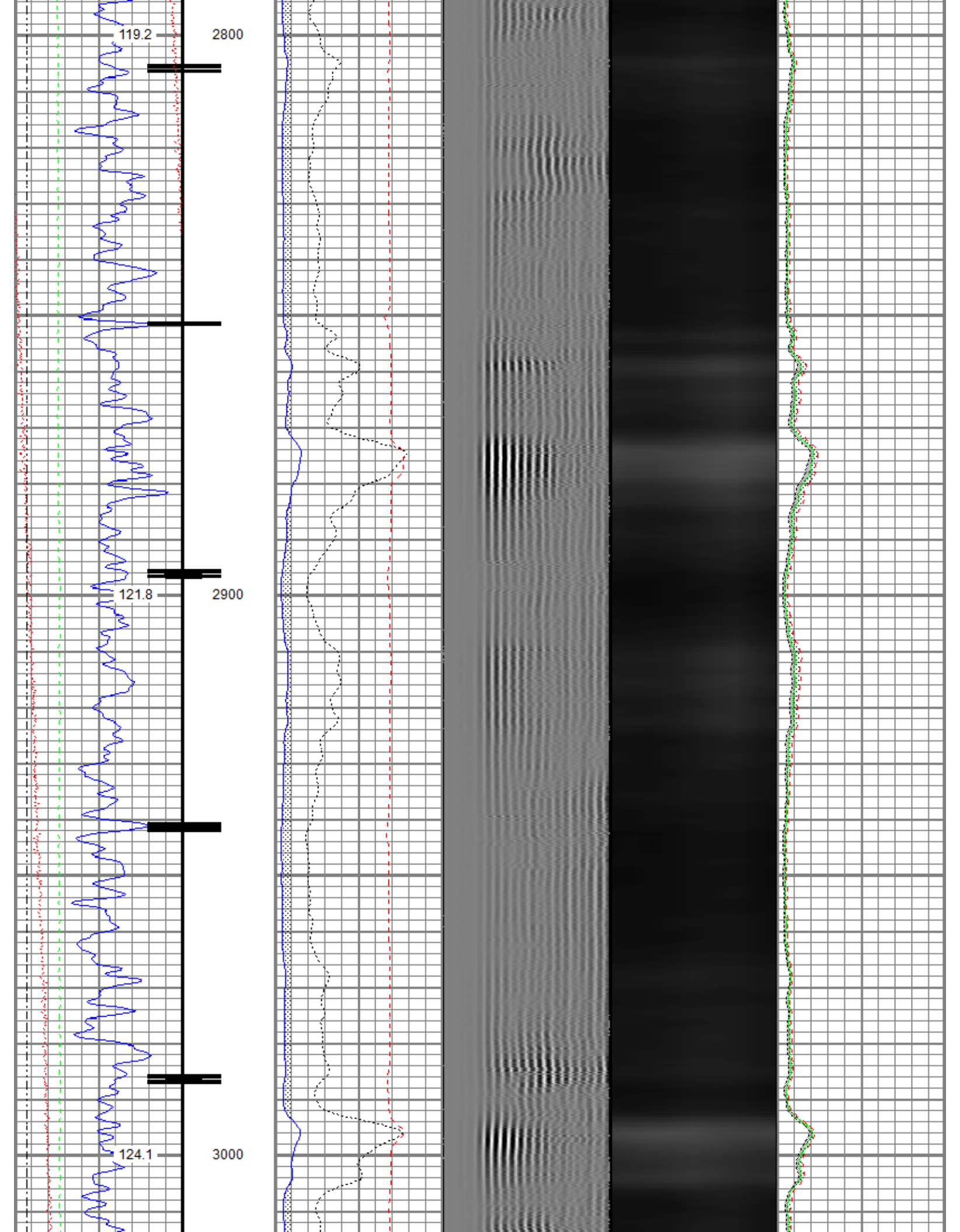


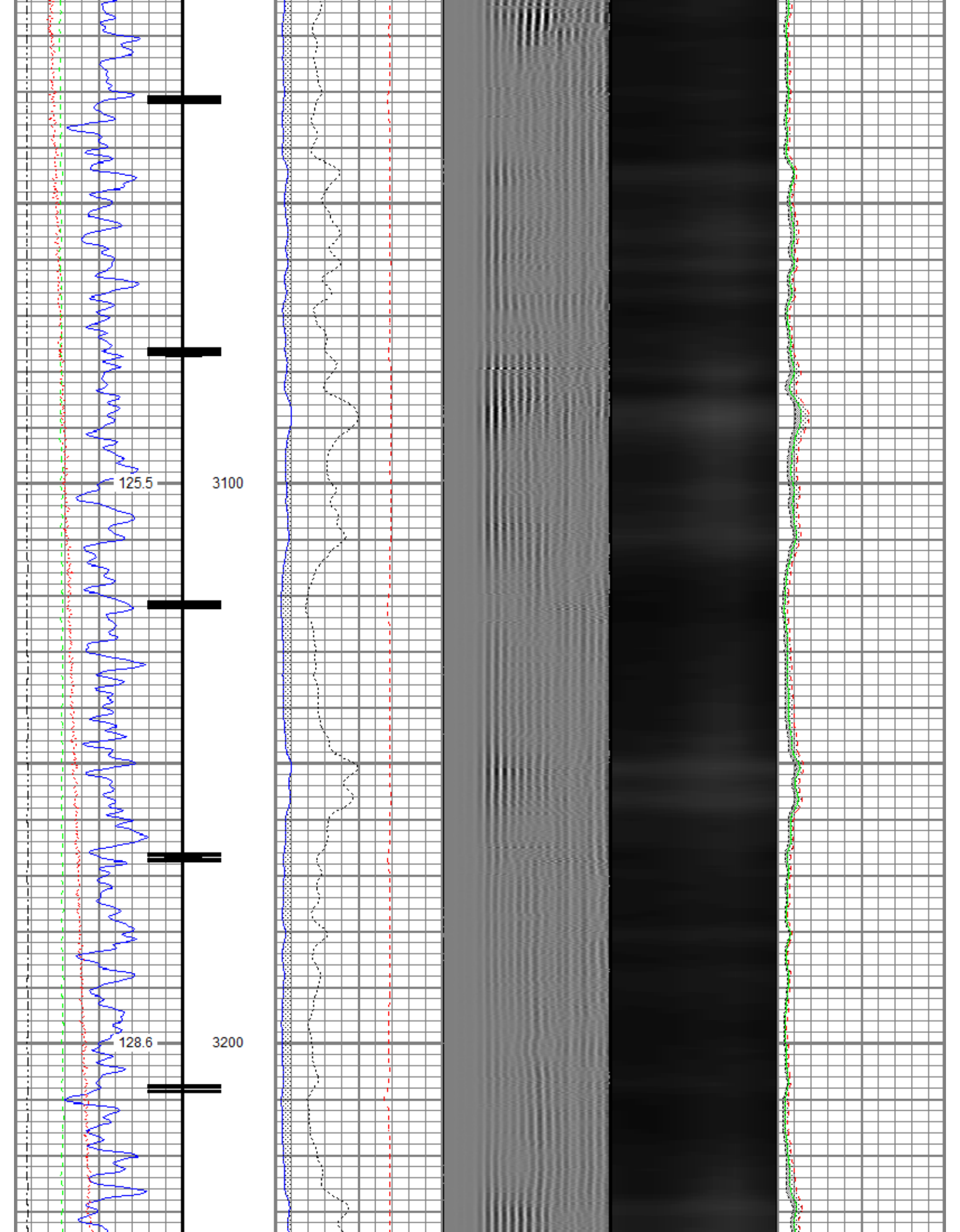


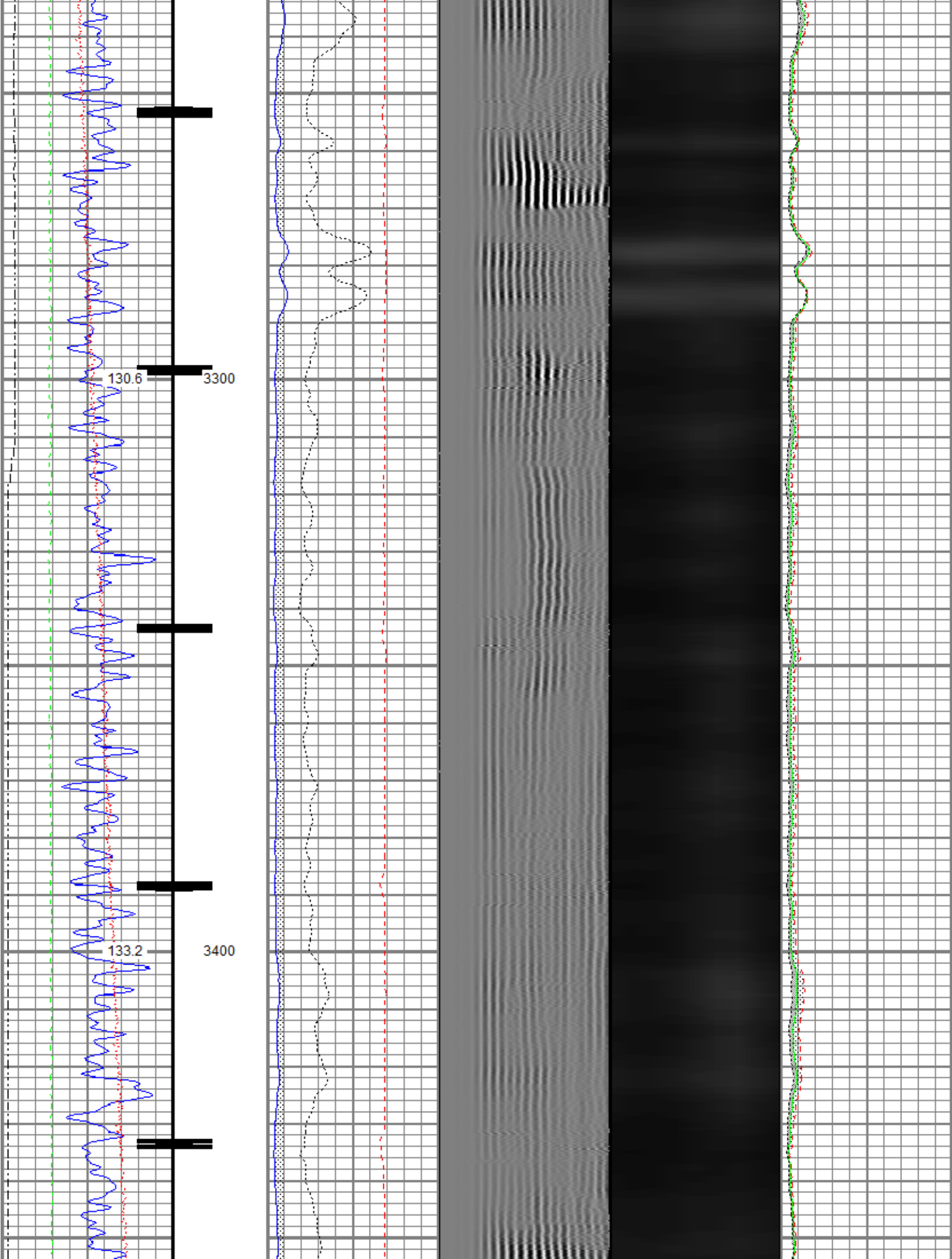


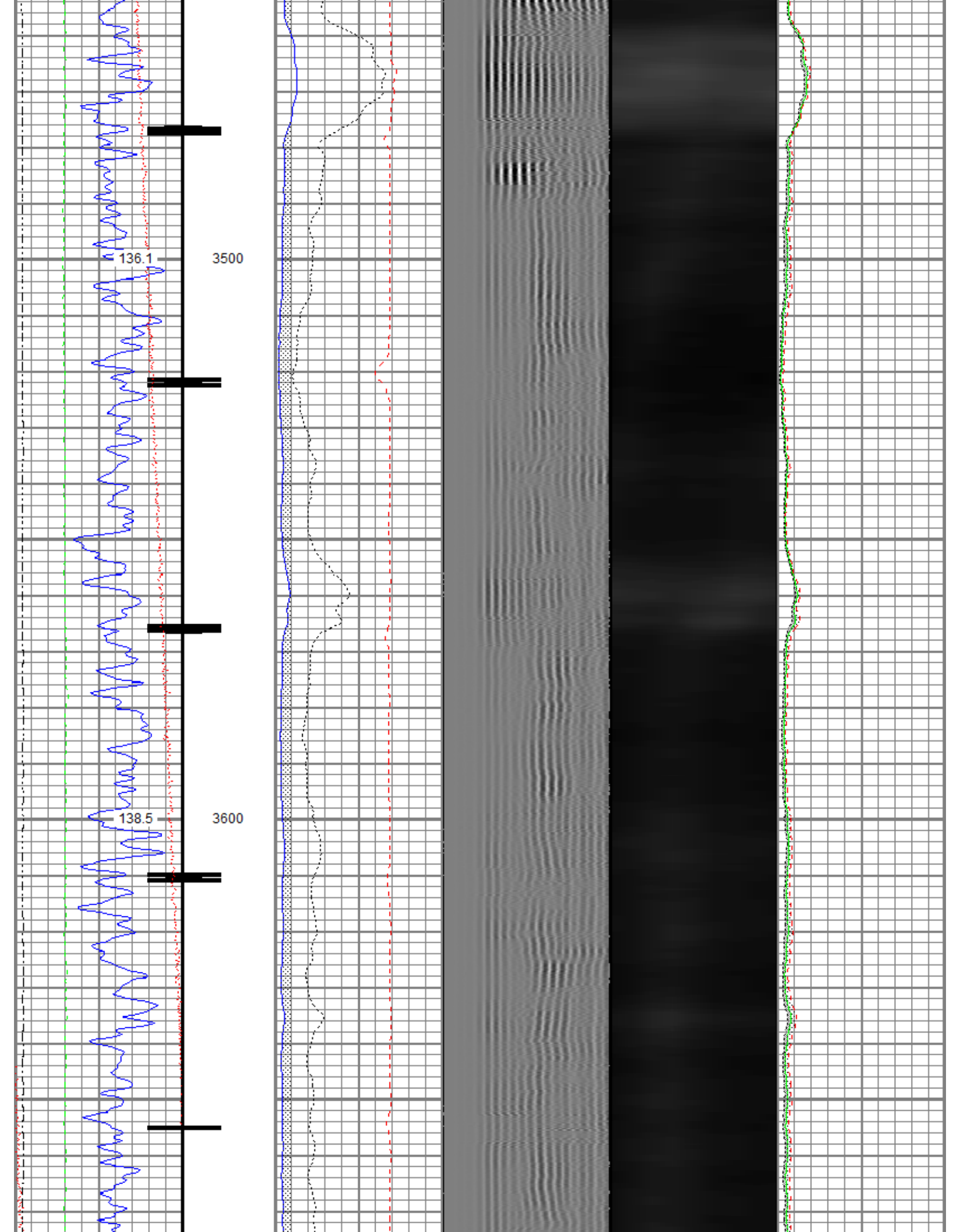


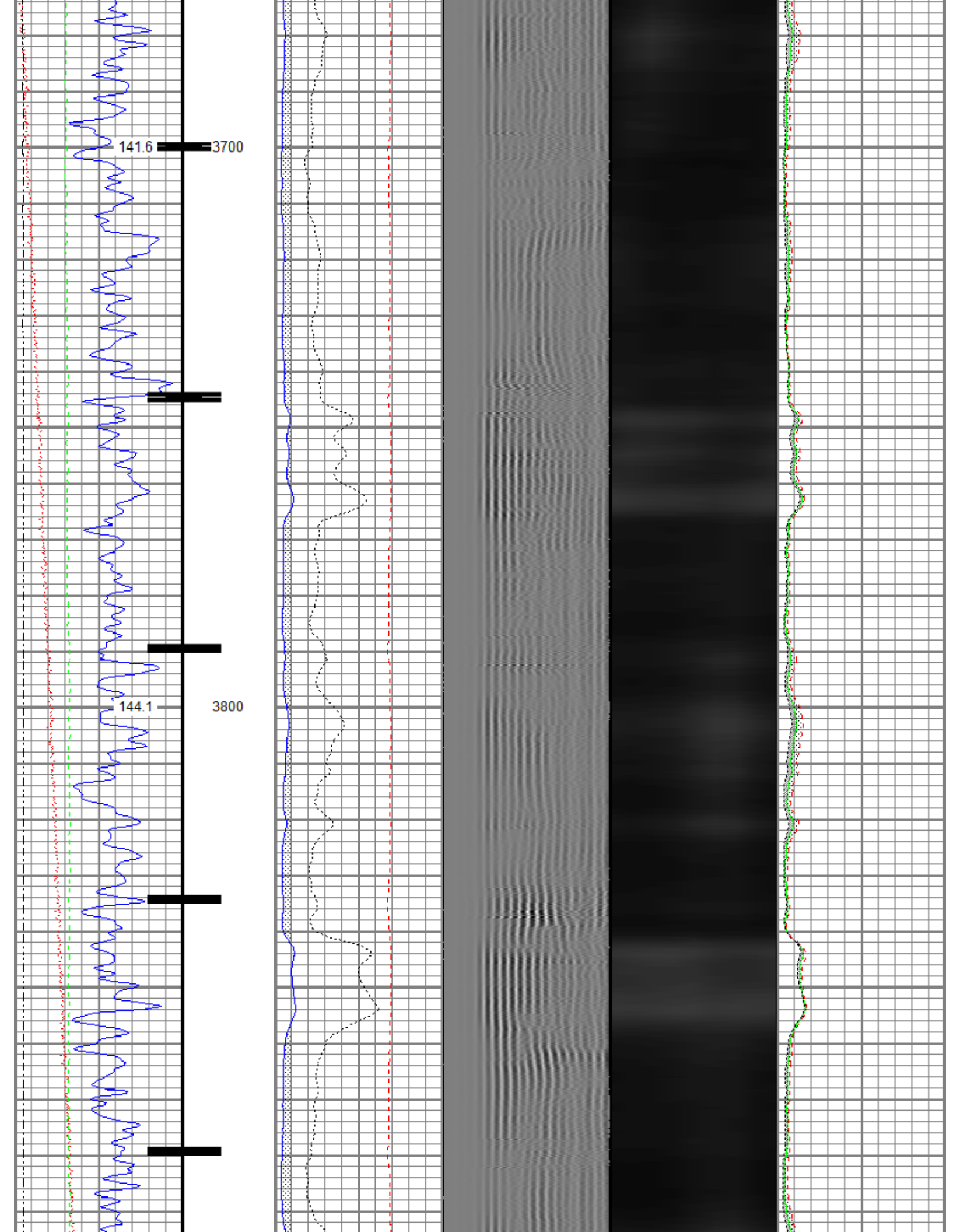


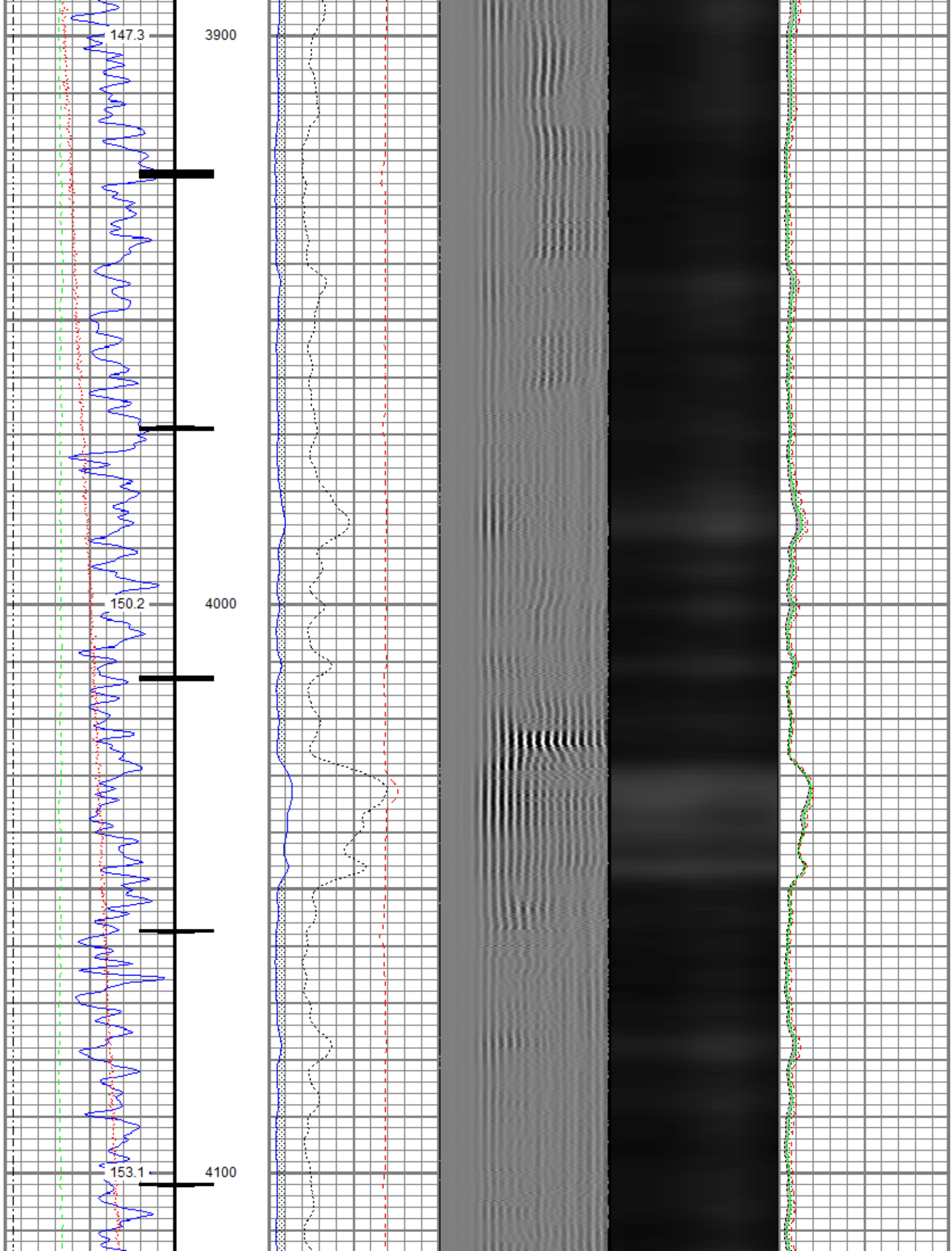


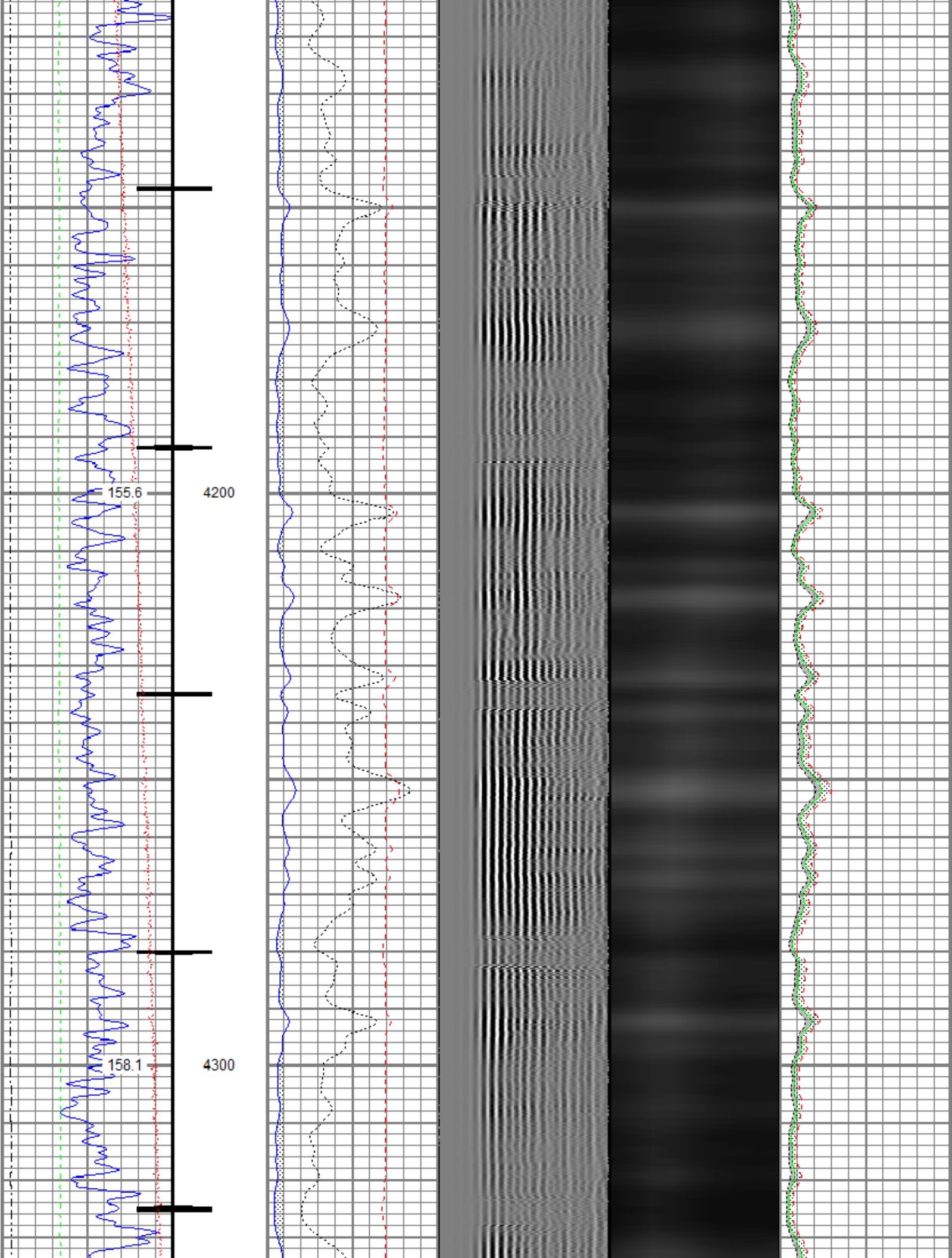


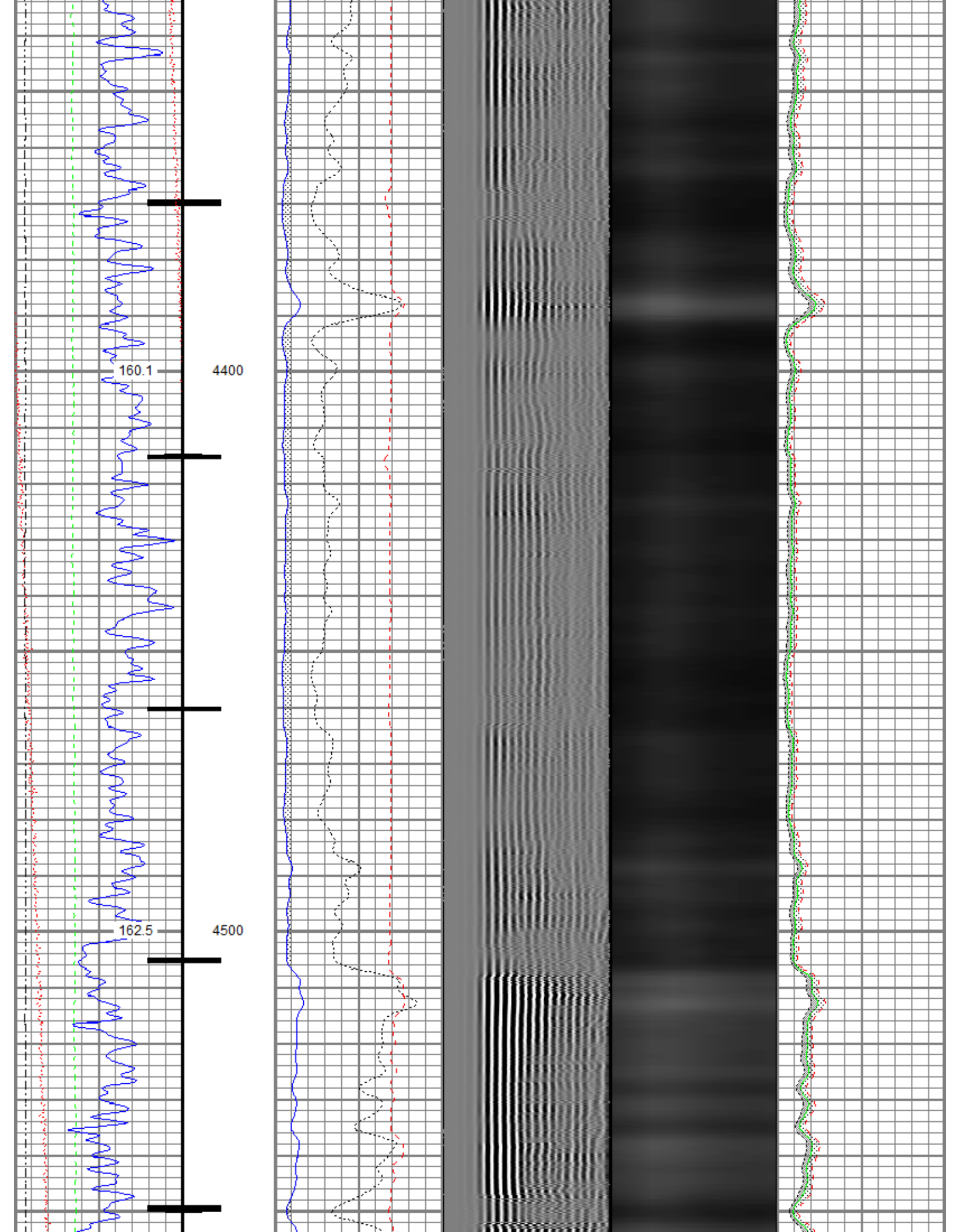


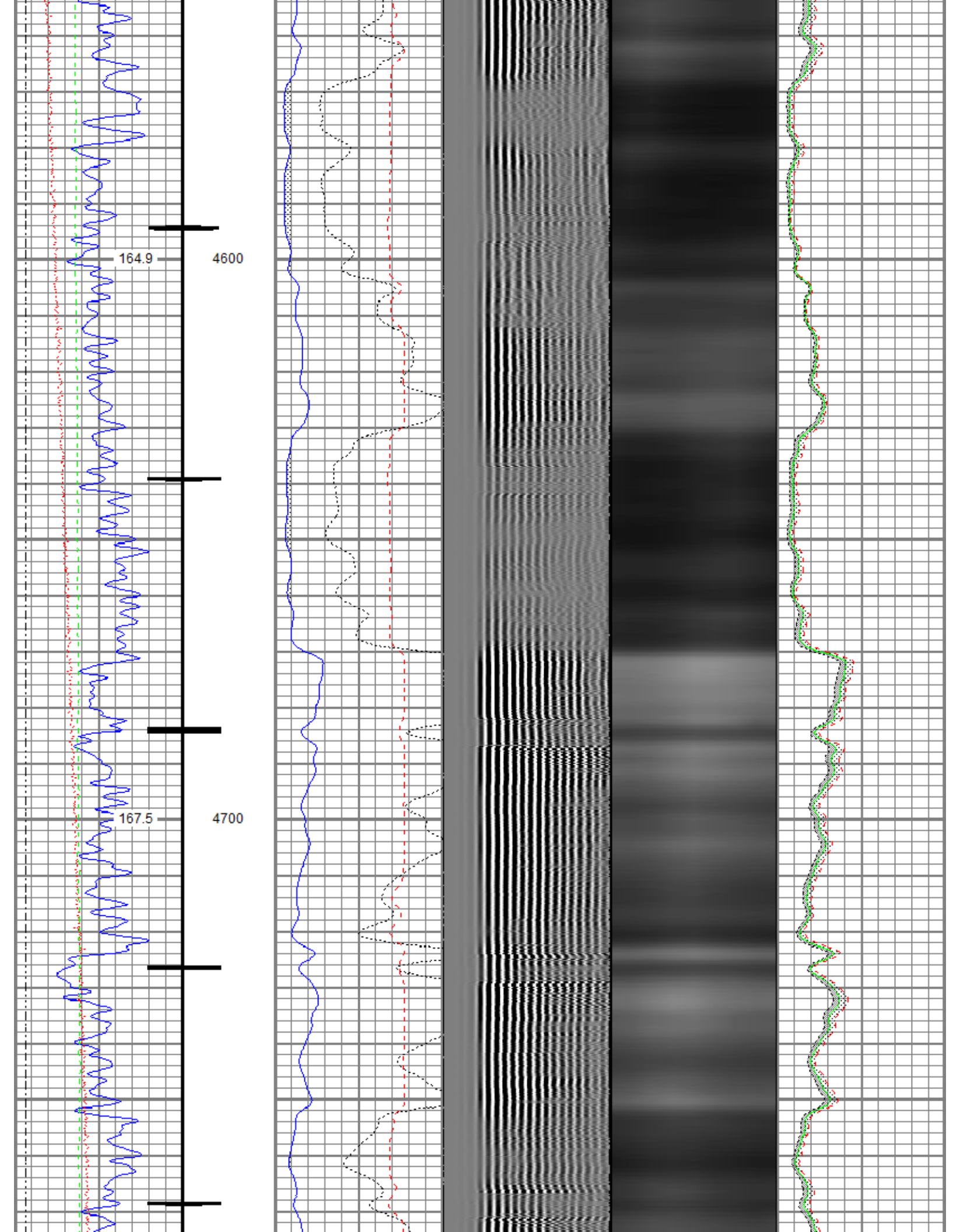


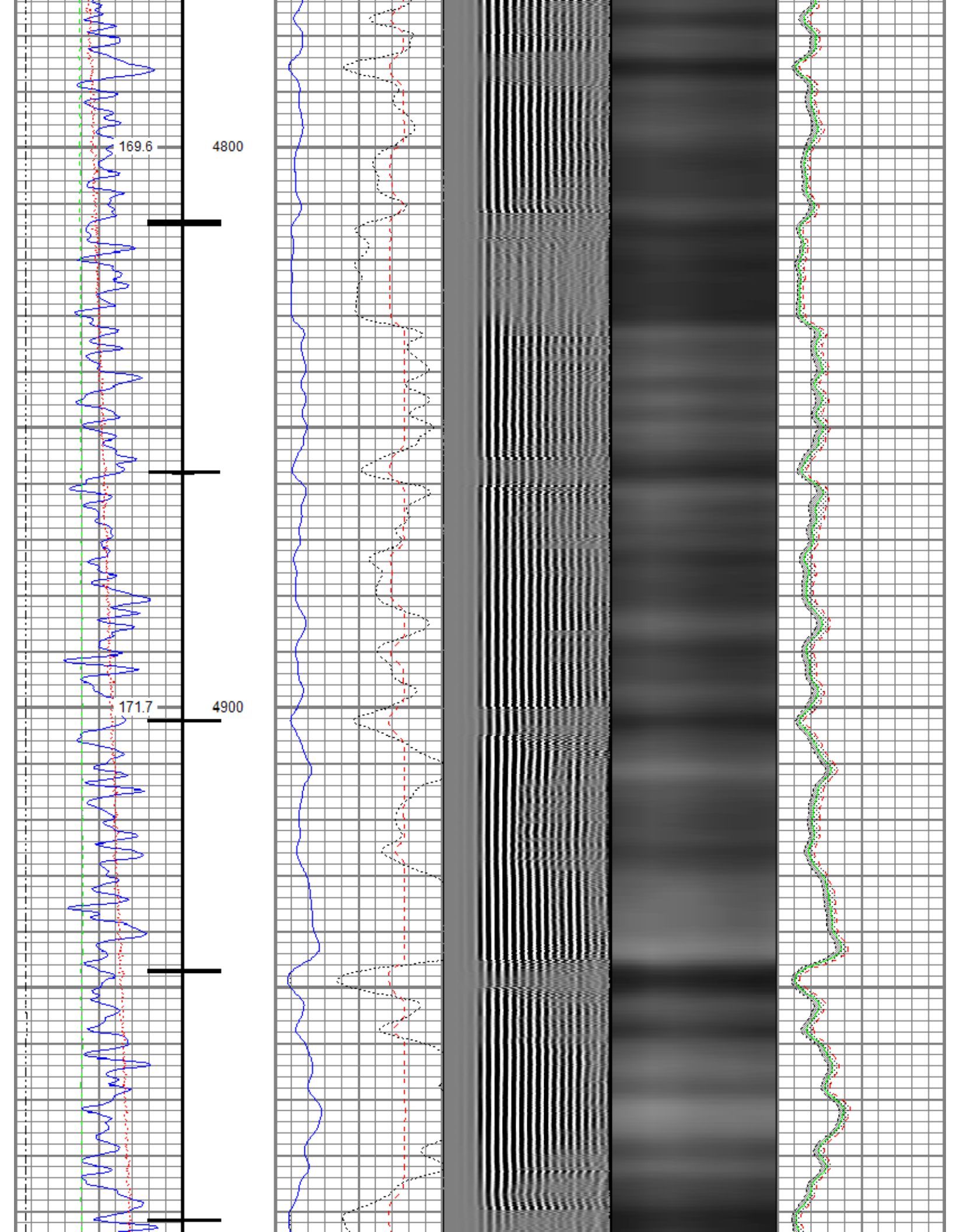


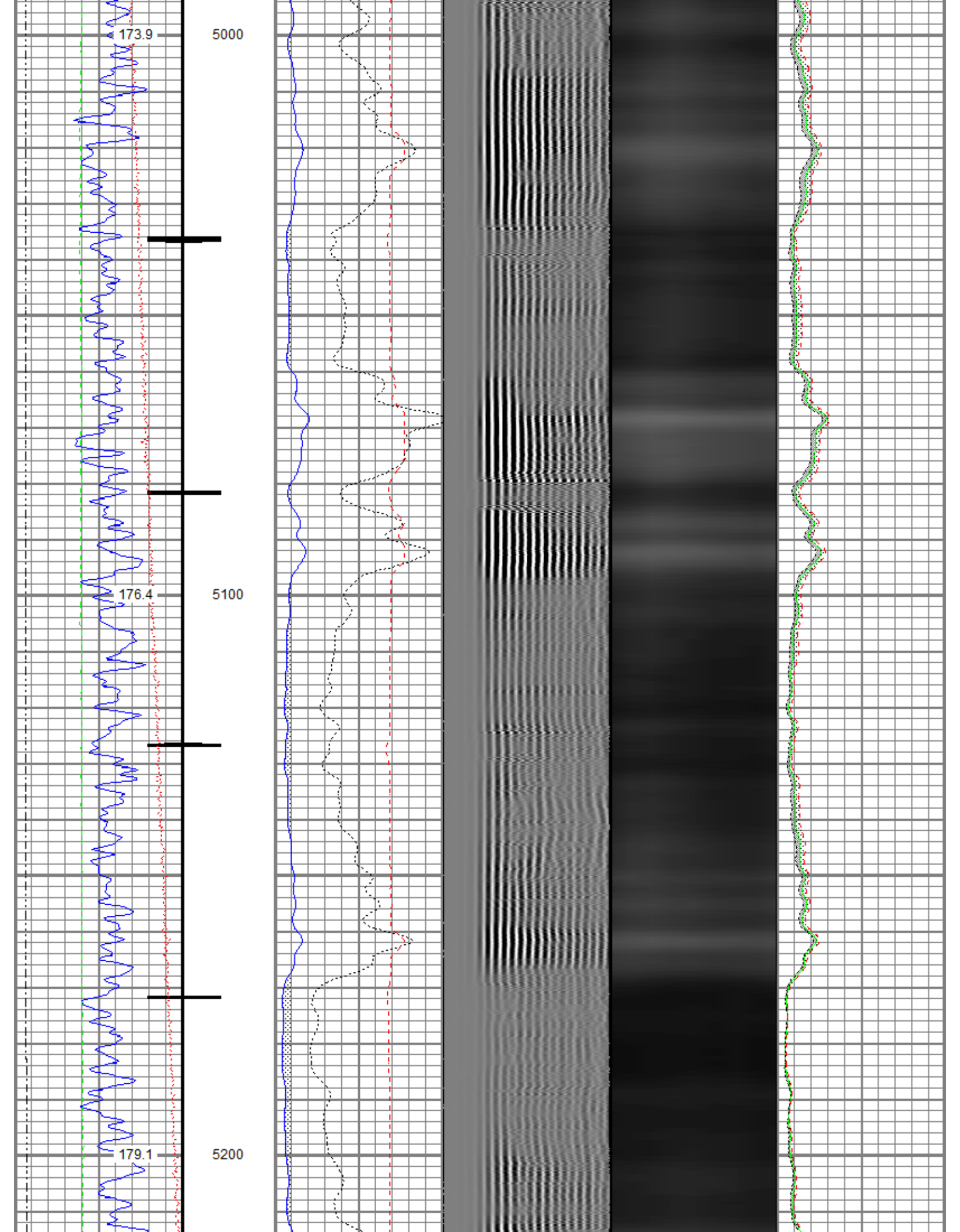


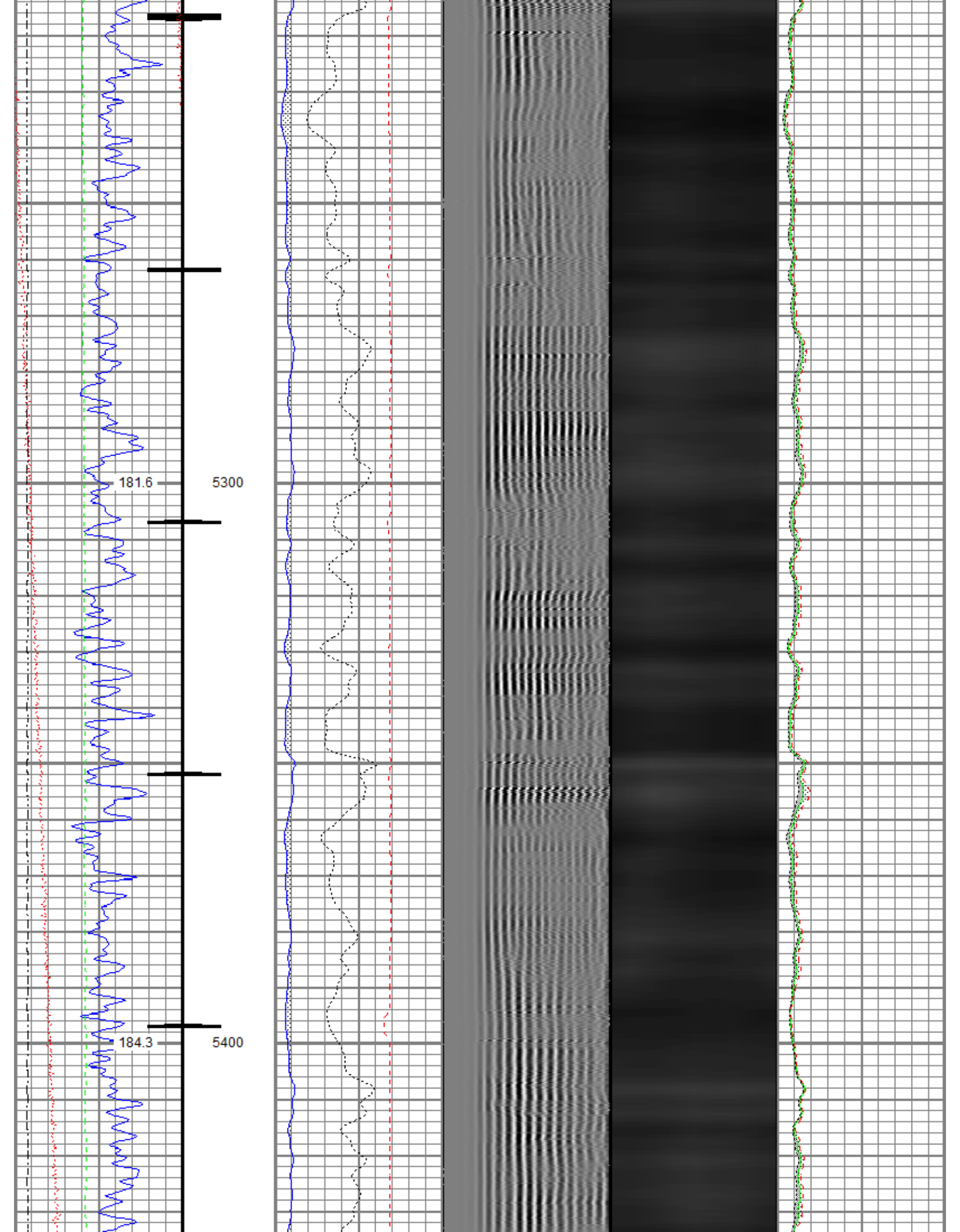


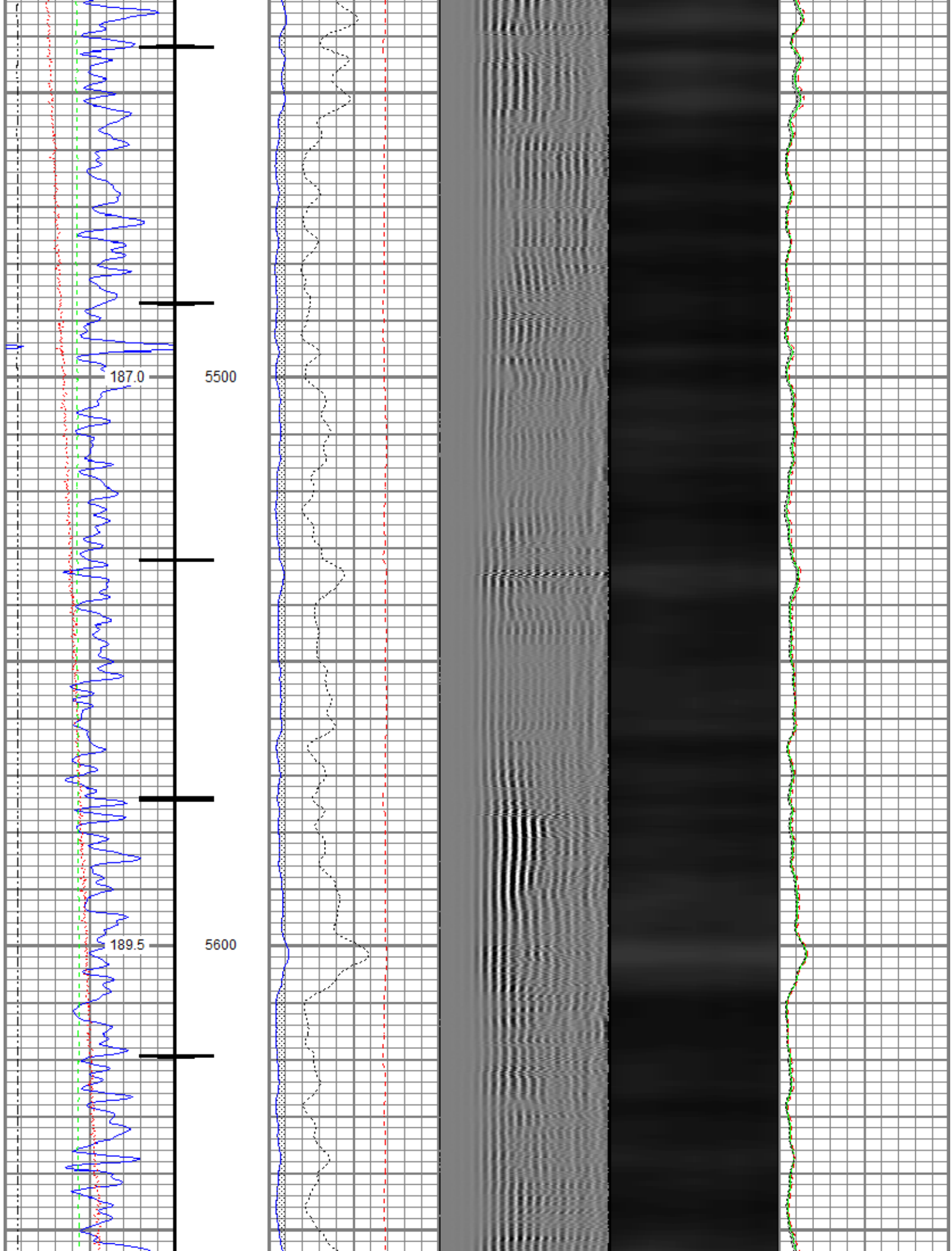


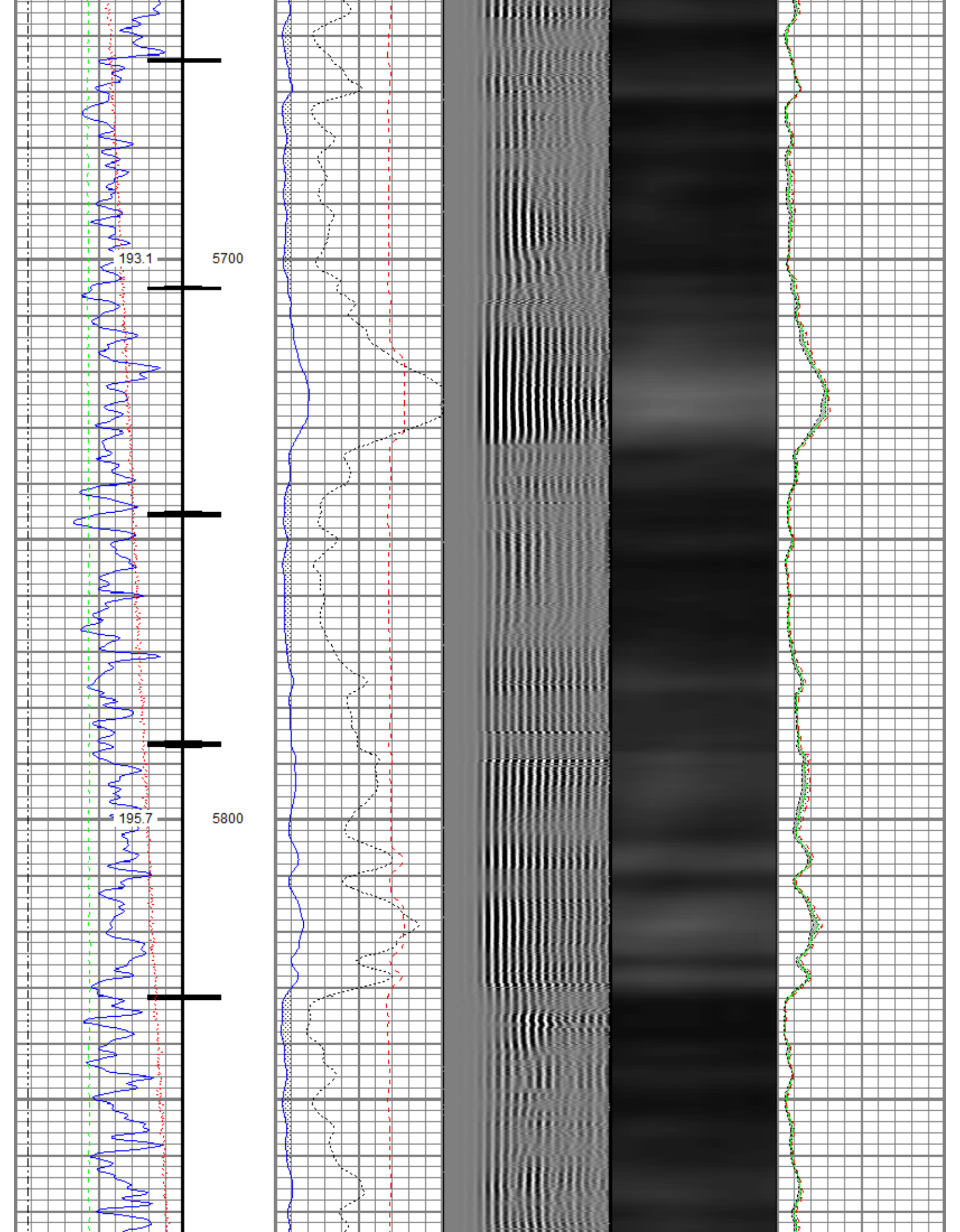


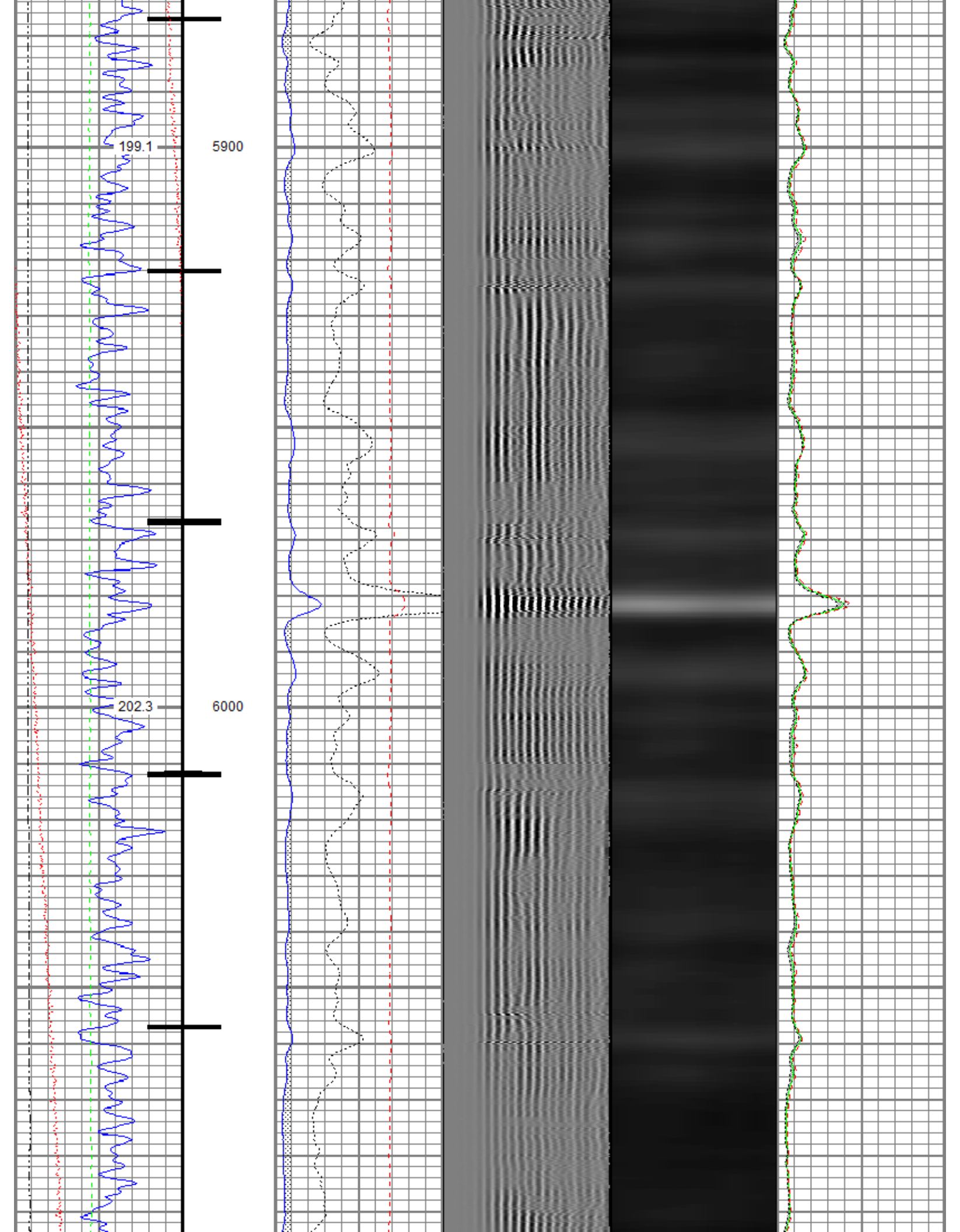


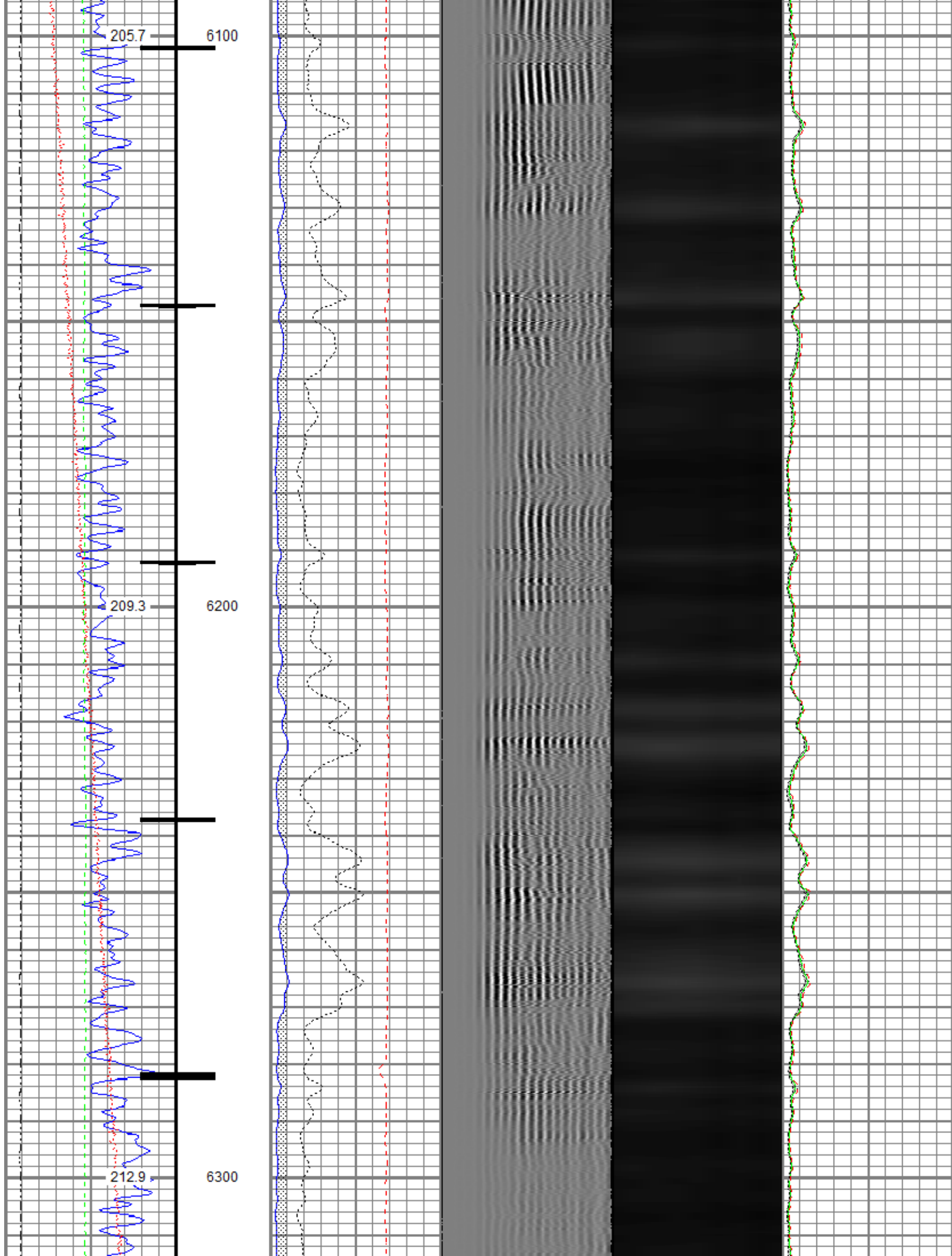


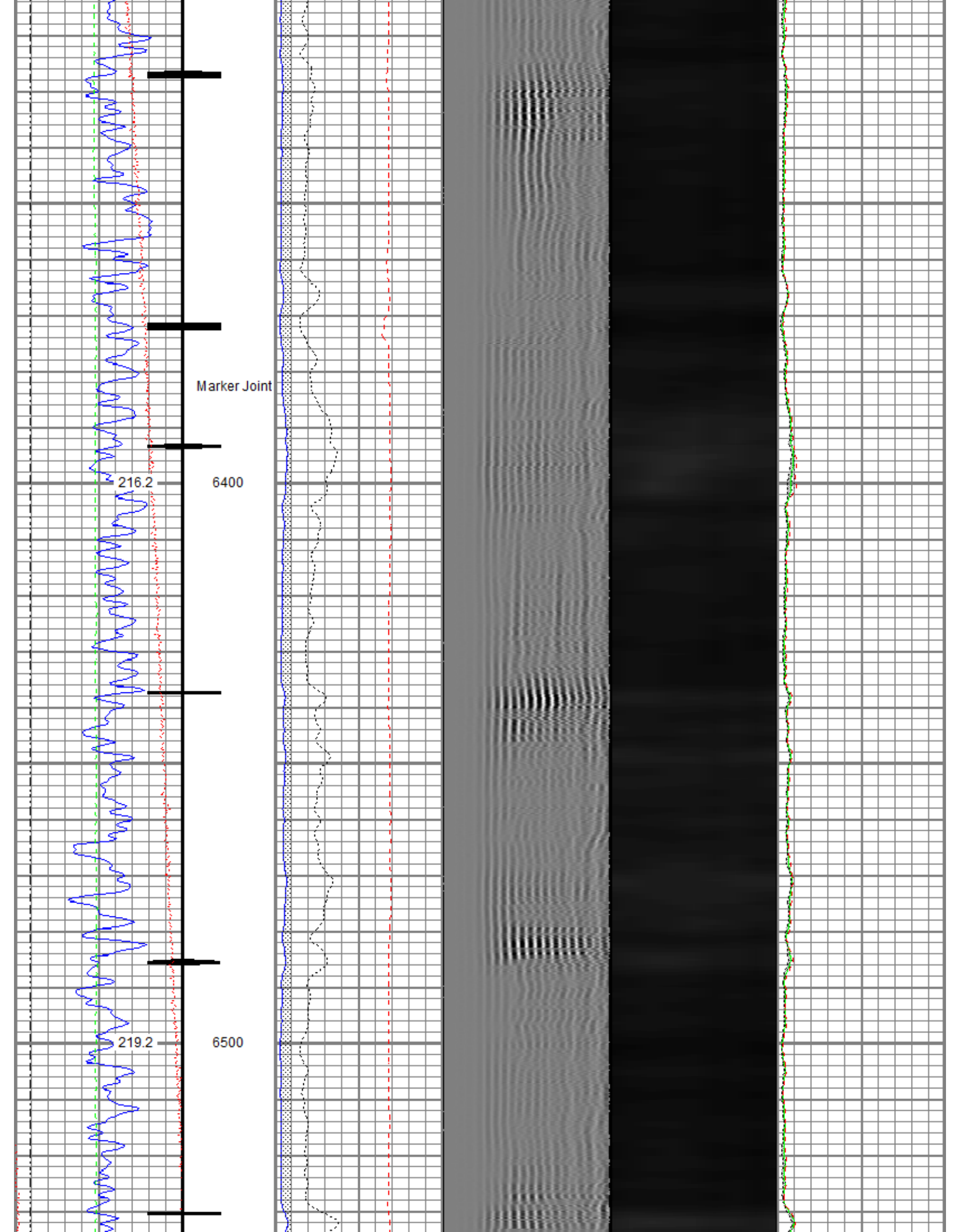


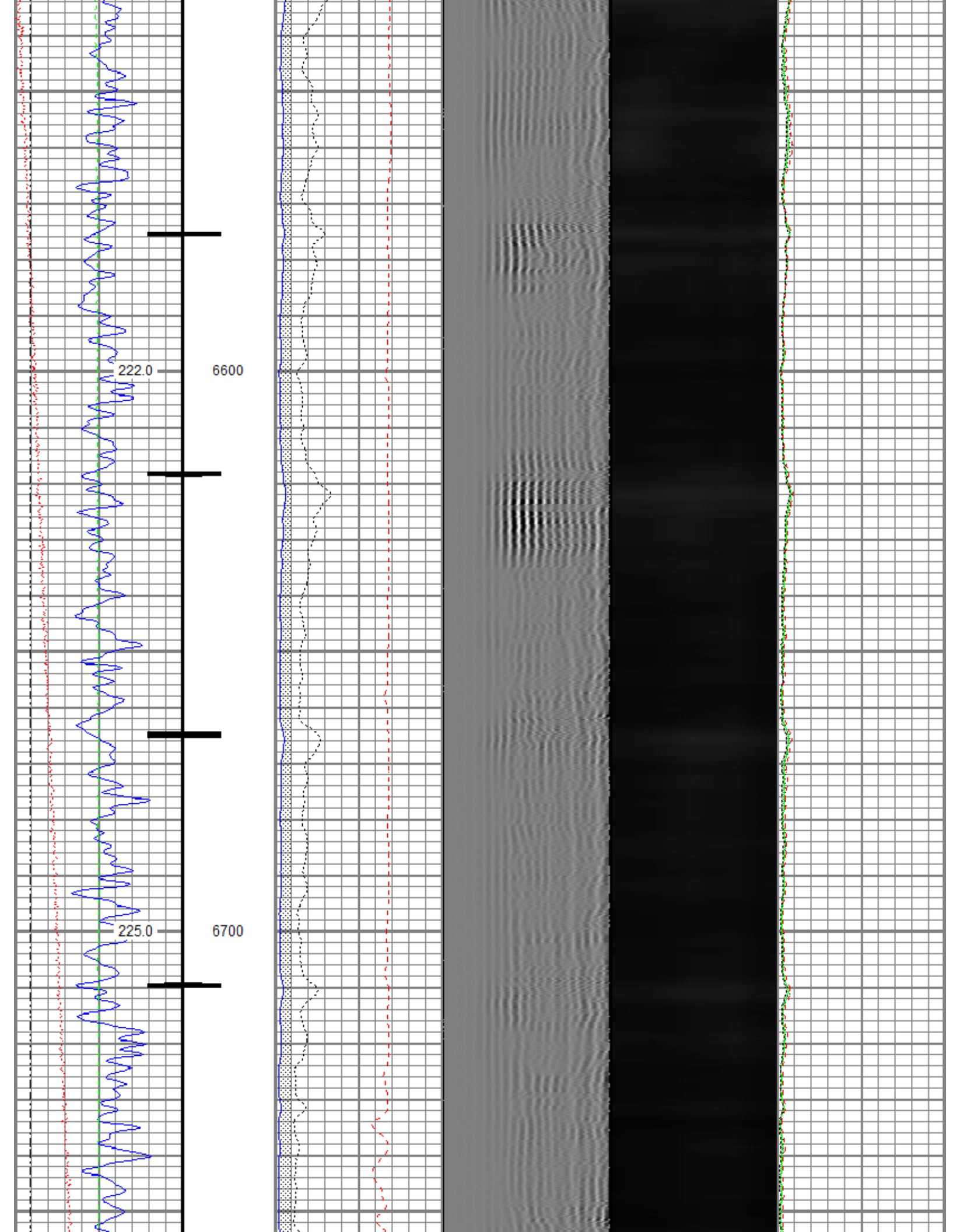


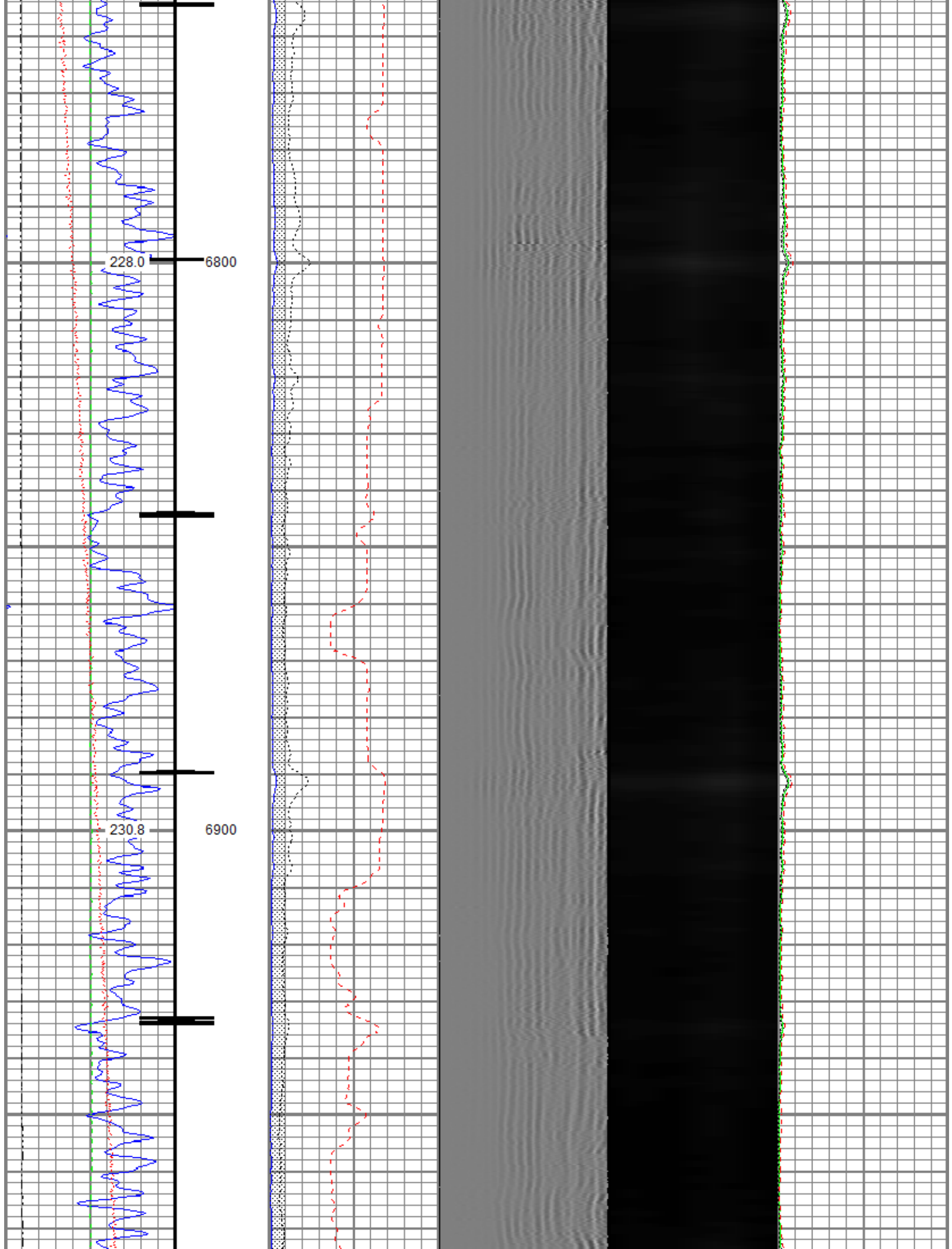


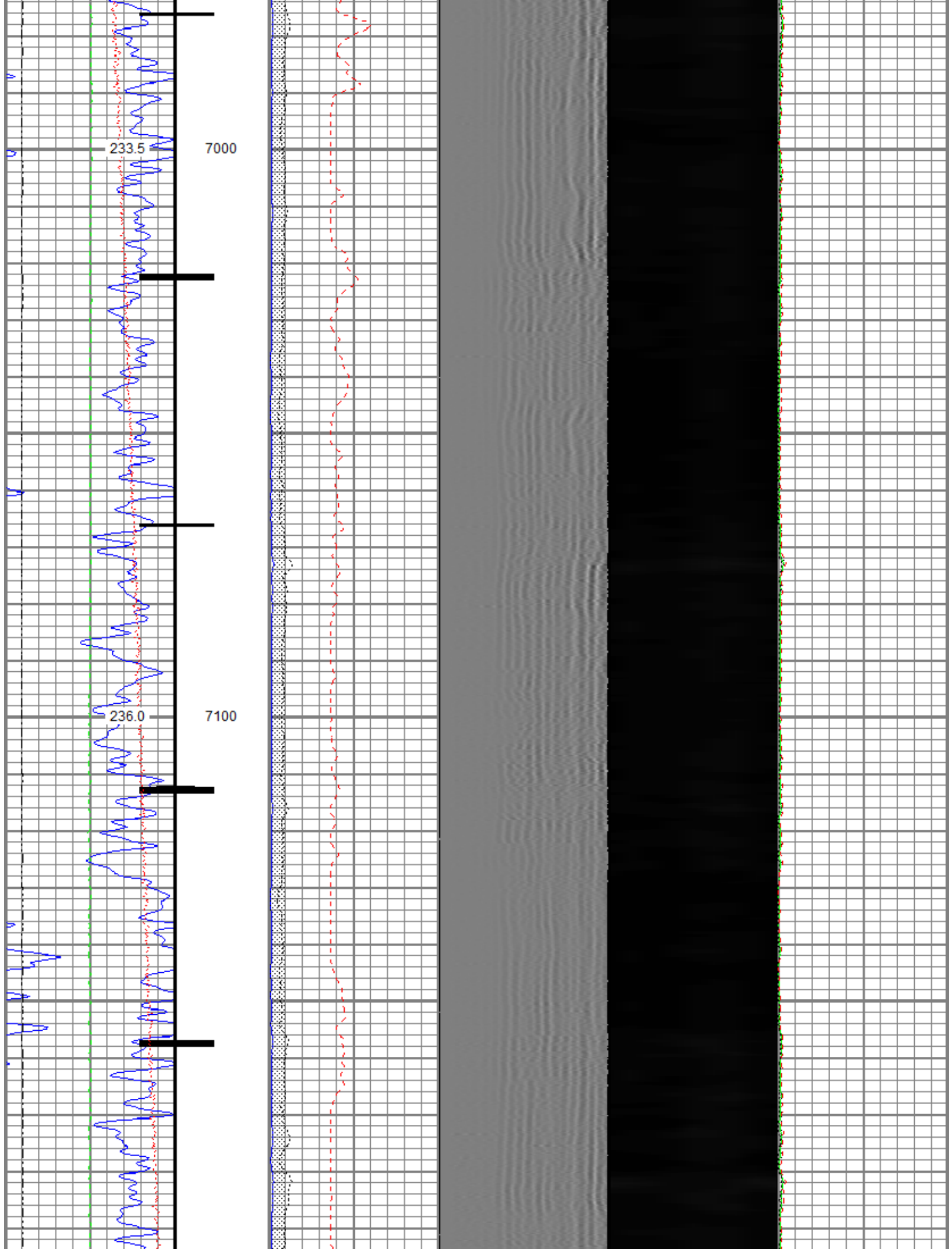


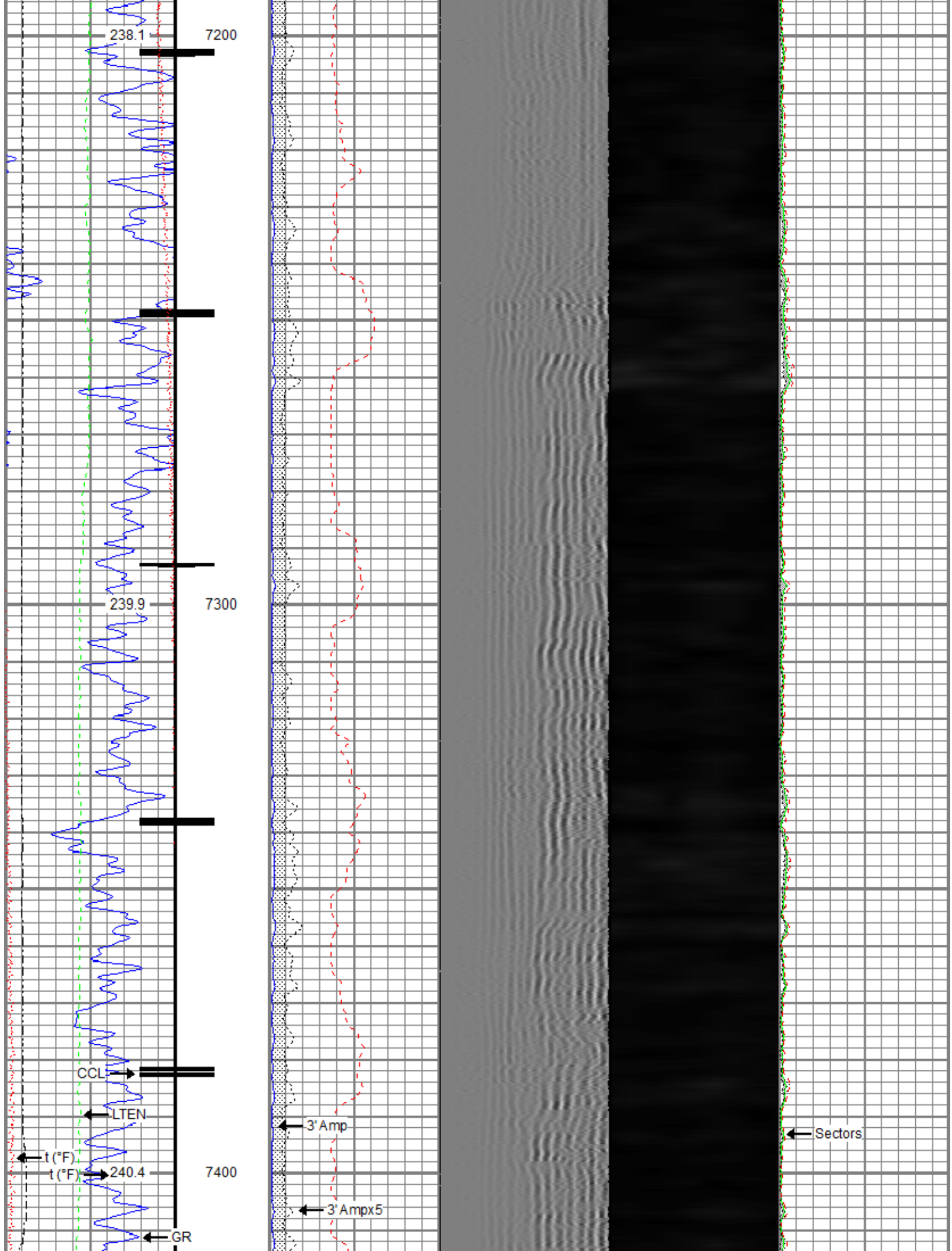


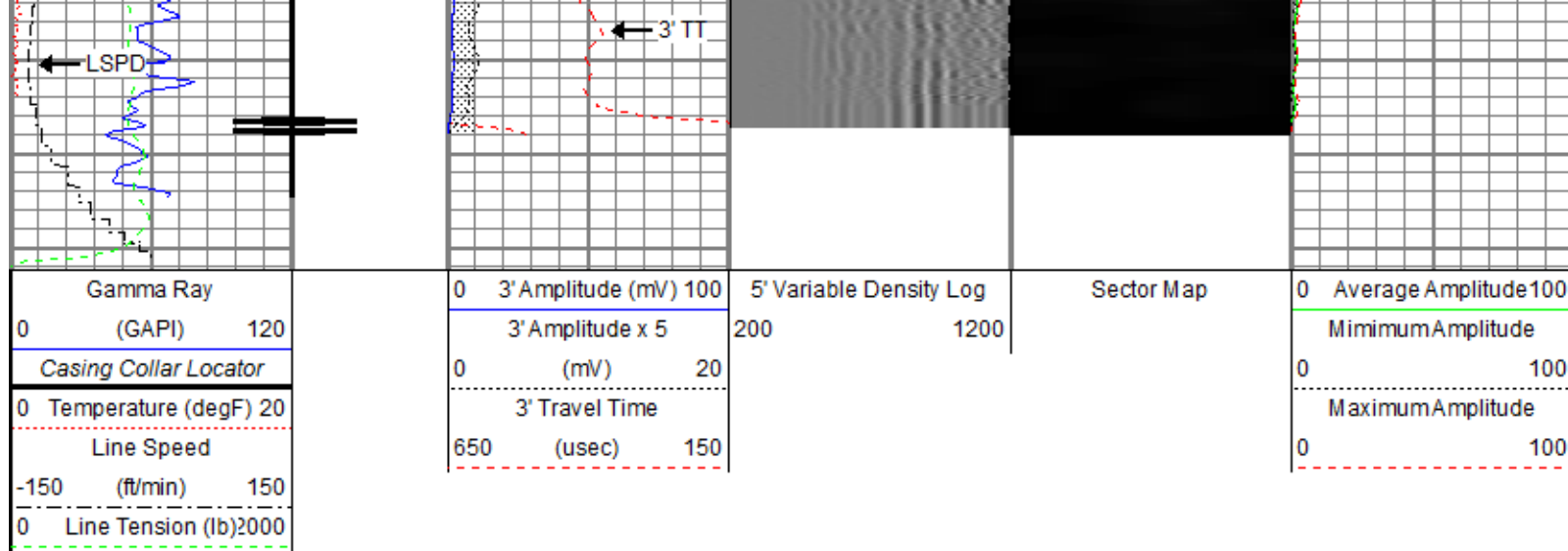








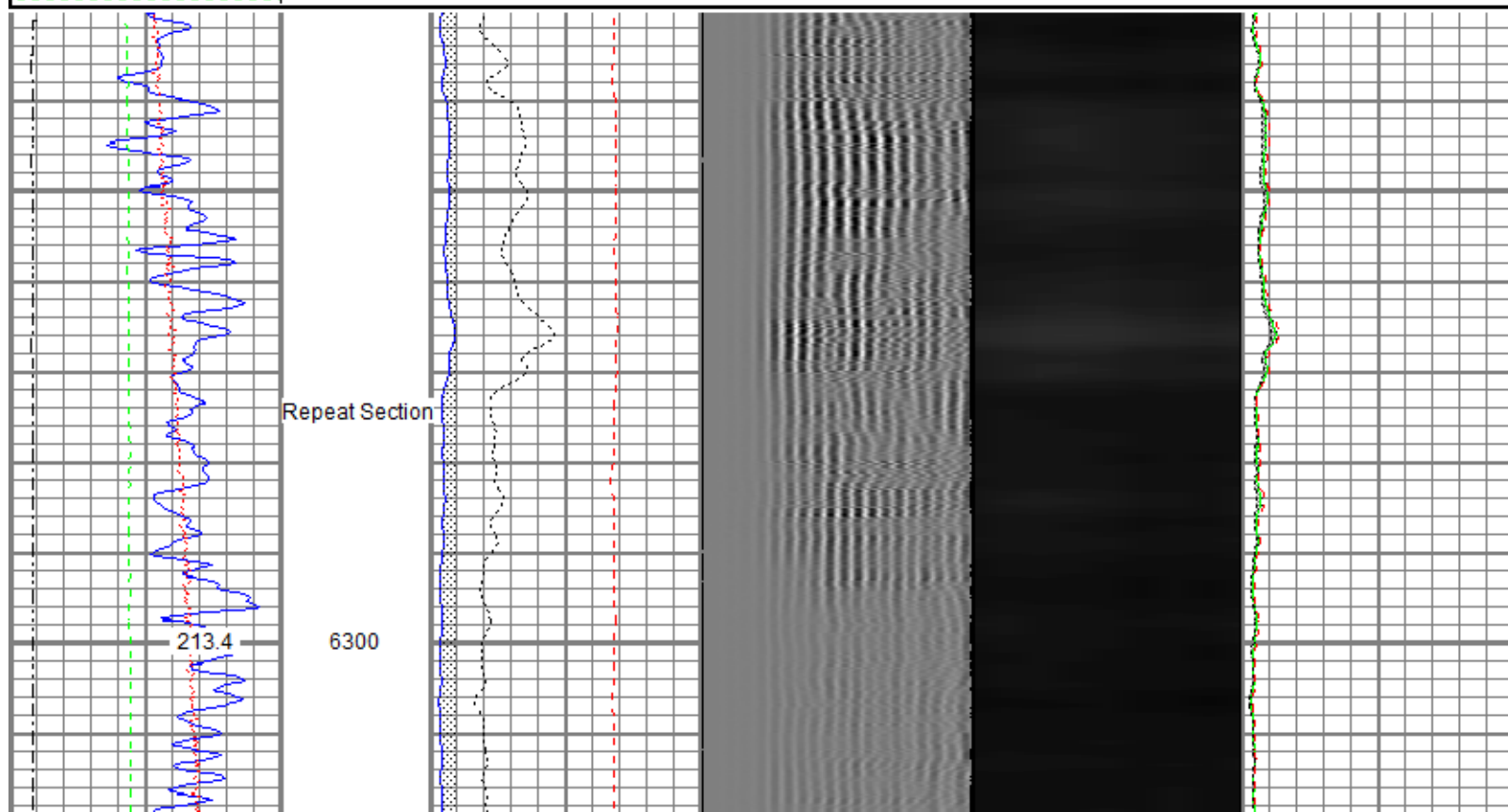
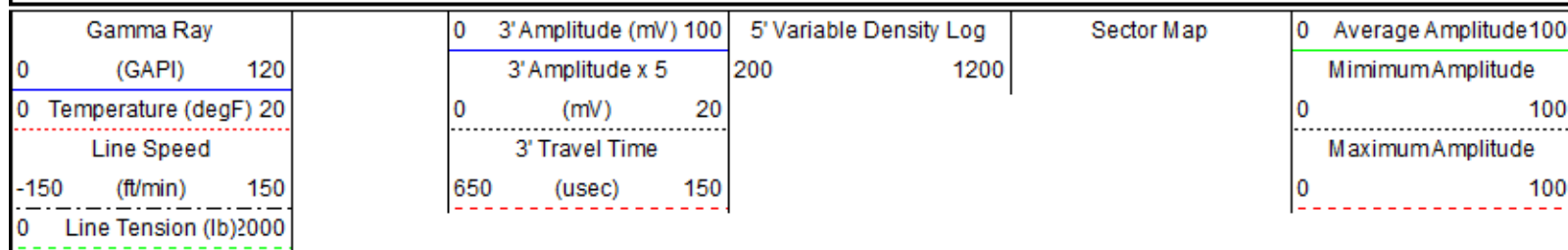


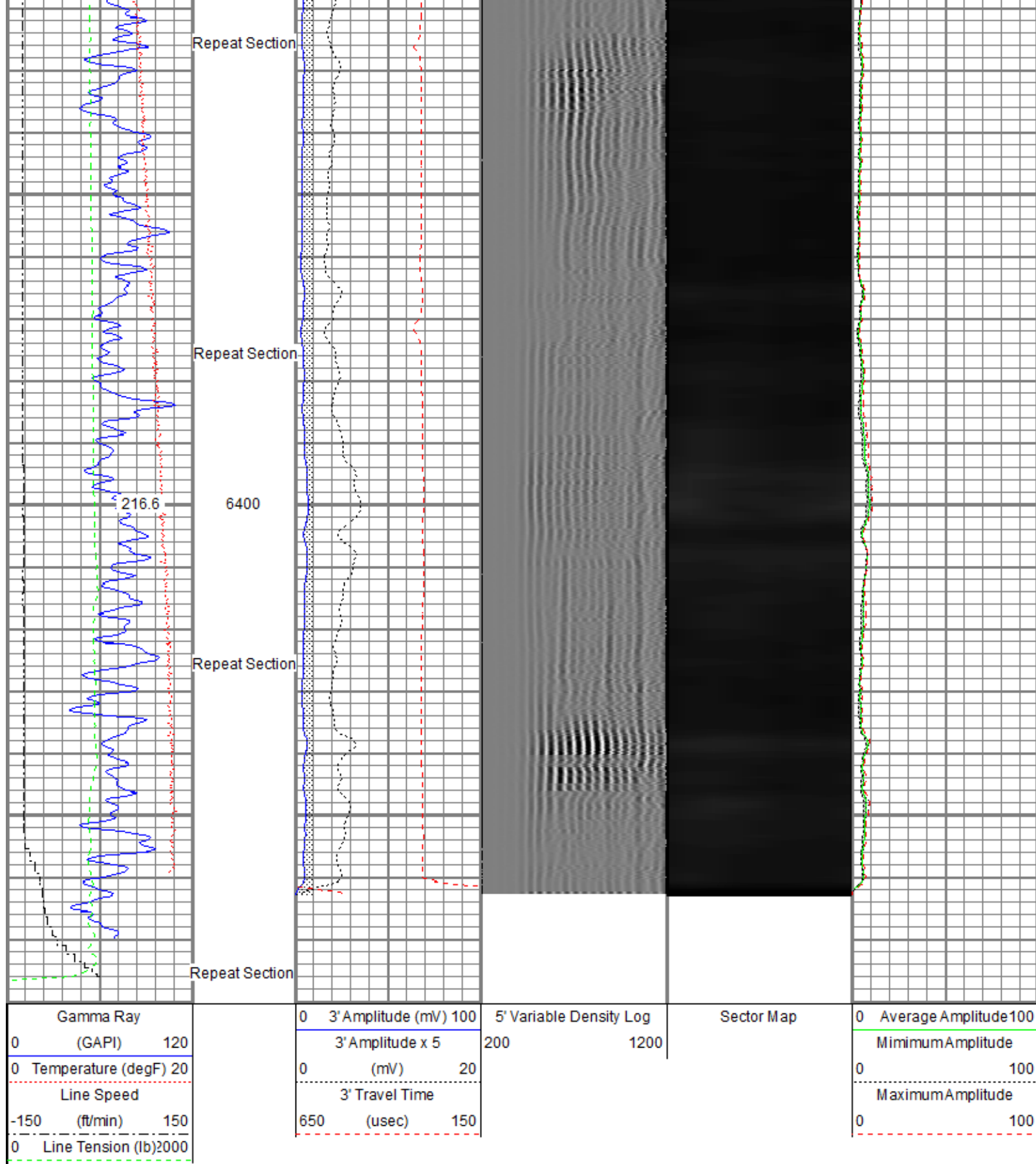


Repeat Section

Recorded With 2800 PSI Surface Induced Pressure

Database File	anadarko_cook_26g-16hz_rbl_03-aug-2016_w8.db
Dataset Pathname	repeat
Presentation Format	ros_radri
Dataset Creation	Wed Aug 03 14:16:28 2016
Charted by	Depth in Feet scaled 1:240





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan_Electric_Cable_Heads-Titan_1-11/16" Electric Cable Head with 1" Fishing Neck	1.03	1.69	5.40
			Probe FI line BowSpring Centralizer-P FBSC 2 88	2.75	2.75	20.00

			Probe 2-3/4" Electric Inline Bowspring Centralizer			
HeadVolt	19.76					
Temp	16.97					
WVFS8	14.80		Probe_RADII-C-P_RBT_2750 (FW1305-098)	9.19	2.75	105.00
WVFS7	14.80		Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe			
WVFS6	14.80					
WVFS5	14.80					
WVFS4	14.80					
WVFS3	14.80					
WVFS2	14.80					
WVFS1	14.80					
WVFCAL	14.80					
WVF3FT	14.80					
WVF5FT	13.80					
HEADVOLT	10.55		Probe_ELine_BowSpring_Centralizer-P_EBSC_2.88		2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
DCCL	6.76					
CCL	6.76					
			Probe_GR_CCL-P_CGR_2750_S (FW1211-0814.54)	14.54	2.75	55.00
			Probe 2-3/4" Digital CCL / Gamma Ray Combined			
GR	4.02					
			Probe_ELine_BowSpring_Centralizer-P_EBSC_2.88		2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
			GO_Noses-G_BN_14375	0.25	1.44	1.00
			Generic 1-7/16" Bull Nose with Go Box Top			
Dataset: anadarko_cook_26g-16hz_rbl_03-aug-2016_w8.db: field/well/run1/main Total length: 23.65 ft Total weight: 226.40 lb O.D.: 2.75 in						

Calibration Report	
Database File	anadarko_cook_26g-16hz_rbl_03-aug-2016_w8.db
Dataset Pathname	main
Dataset Creation	Wed Aug 03 14:30:52 2016

Gamma Ray Calibration Report

Serial Number: FW1211-081
Tool Model: P_CGR_2750_S
Performed: Sat Feb 06 11:31:52 2016

Calibrator Value: 1.0 GAPI
Background Reading: 0.0 cps
Calibrator Reading: 1.6 cps
Sensitivity: 0.6061 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1305-098
Tool Model: P_RBT_2750

Calibration Casing Diameter: 5.500 in
Calibration Depth: -56.355 ft

Master Calibration, performed Wed Aug 03 08:54:46 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.716	0.800	71.921	100.202	0.160
CAL	0.006	0.736				
5'	0.006	0.657	0.800	71.921	109.222	0.117
SUM						
S1	0.006	0.713	0.000	100.000	141.410	-0.873
S2	0.006	0.719	0.000	100.000	140.276	-0.878
S3	0.006	0.716	0.000	100.000	140.887	-0.874
S4	0.006	0.713	0.000	100.000	141.549	-0.890
S5	0.006	0.712	0.000	100.000	141.600	-0.878
S6	0.006	0.710	0.000	100.000	142.067	-0.902
S7	0.006	0.712	0.000	100.000	141.762	-0.879
S8	0.006	0.713	0.000	100.000	141.532	-0.895

Internal Reference Calibration, performed Fri Jul 29 10:36:57 2016:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	0.736	1.000	0.000

Air Zero Calibration, performed Wed Aug 03 08:55:08 2016:

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



Company Kerr-McGee Oil & Gas Onshore, L.P.
Well Cook 26G-16HZ



WELFARE
OILFIELD SERVICES

Field

Wattenberg

County

Weld

State

Colorado