



County Weld State Colorado

3. L. 4343

13-SEP-2018

20232 FT

6402 FT

Surface



8341h/na1

219°F

Due to

08:50

FD-303

M. Hayes

Kyle Carver

To

15 JANUARY 2005

He/E+

6

[illegible]

--	--

1

Comments

Log ran as per customer request
Depth referenced to Casing Tally reported Marker Joint at 6348 FT
Adjusted 0 FT to correlate with Marker Joint
Ran JB/GR down to 7382 FT
Log ran from 6386 FT to Surface
Recorded with 2800 PSI Surface Induced Pressure
Logging tools were clean and free of debris upon completion of operations

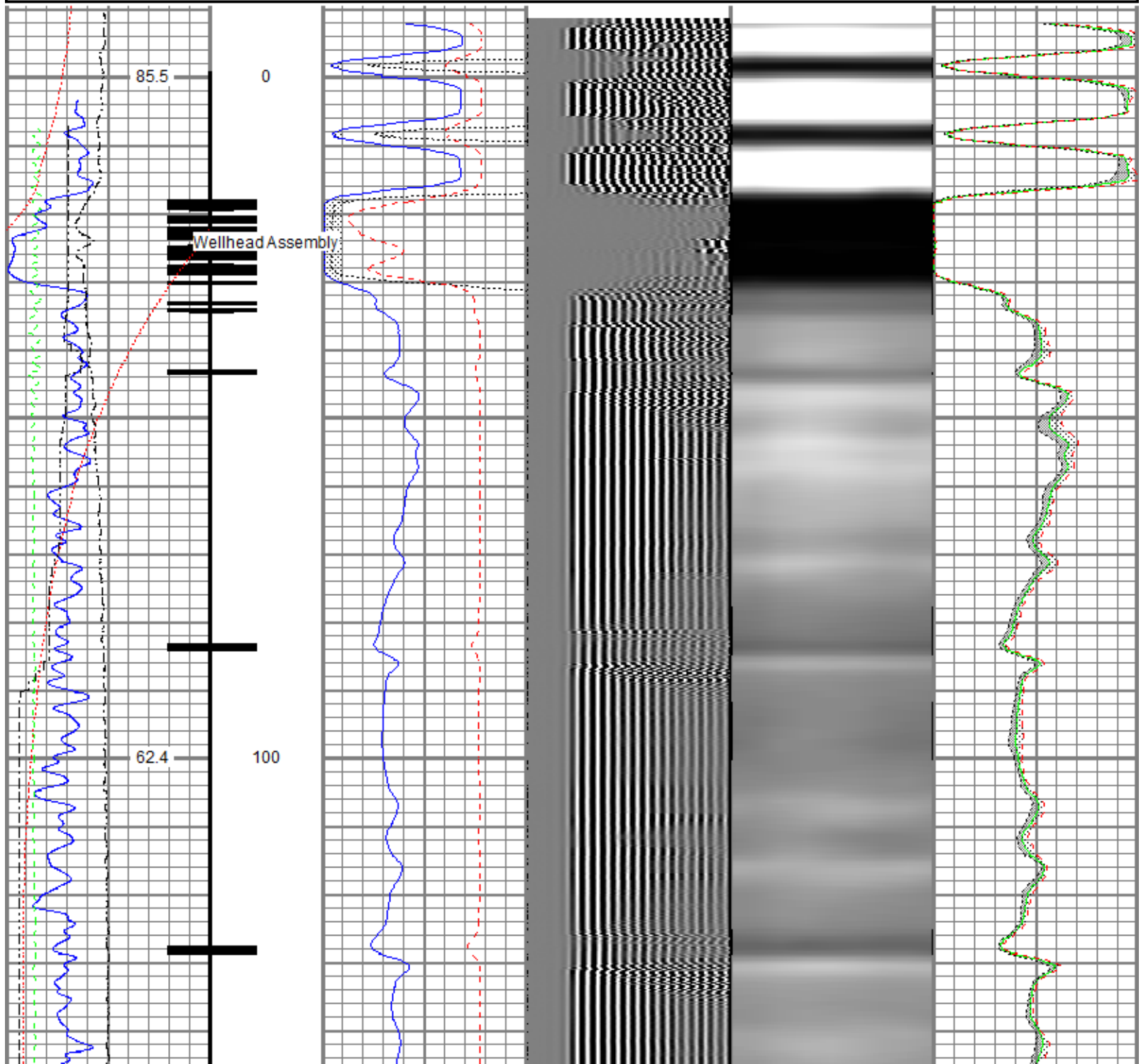
Thank you for choosing Reliance Oilfield Services, LLC!!

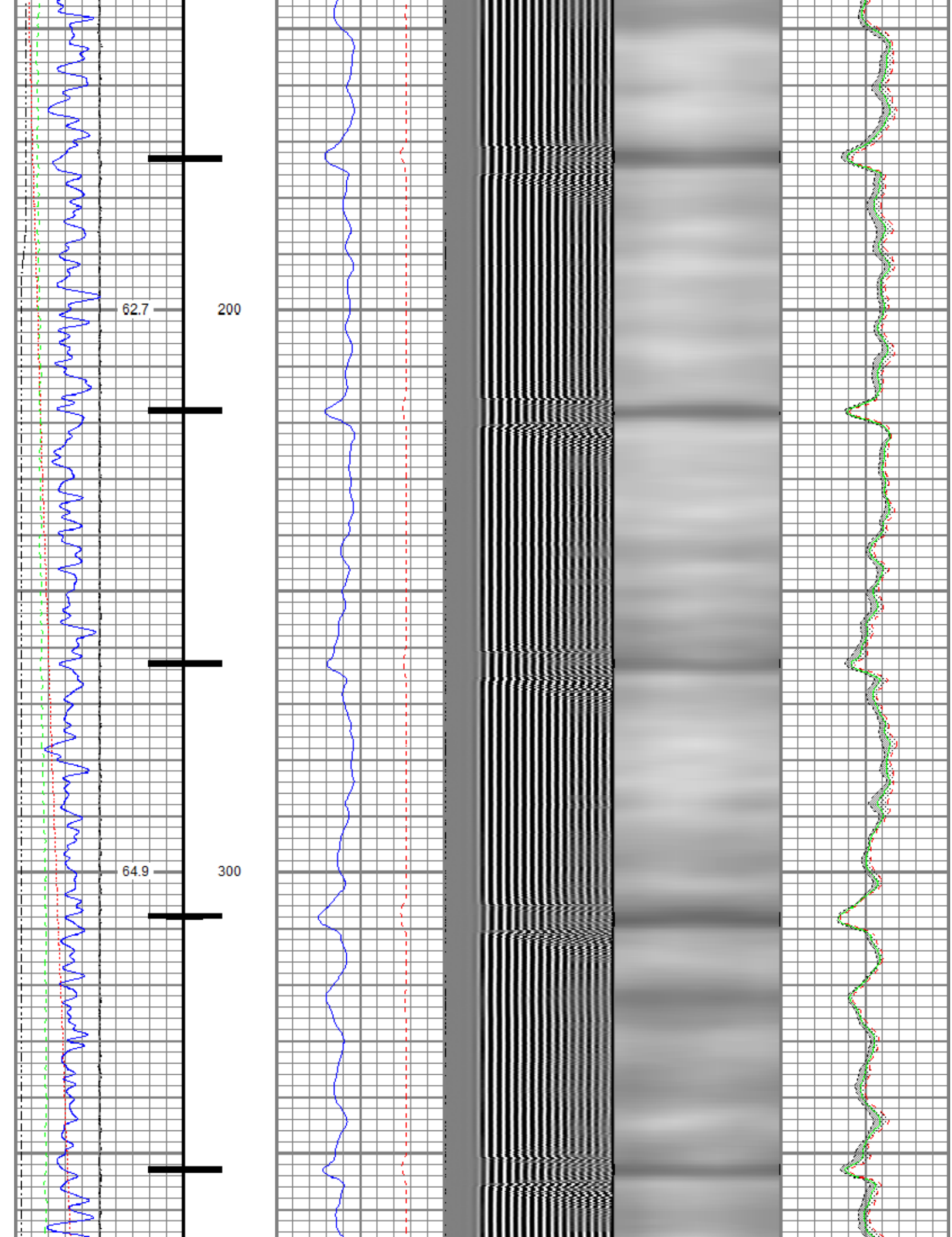
Main Pass

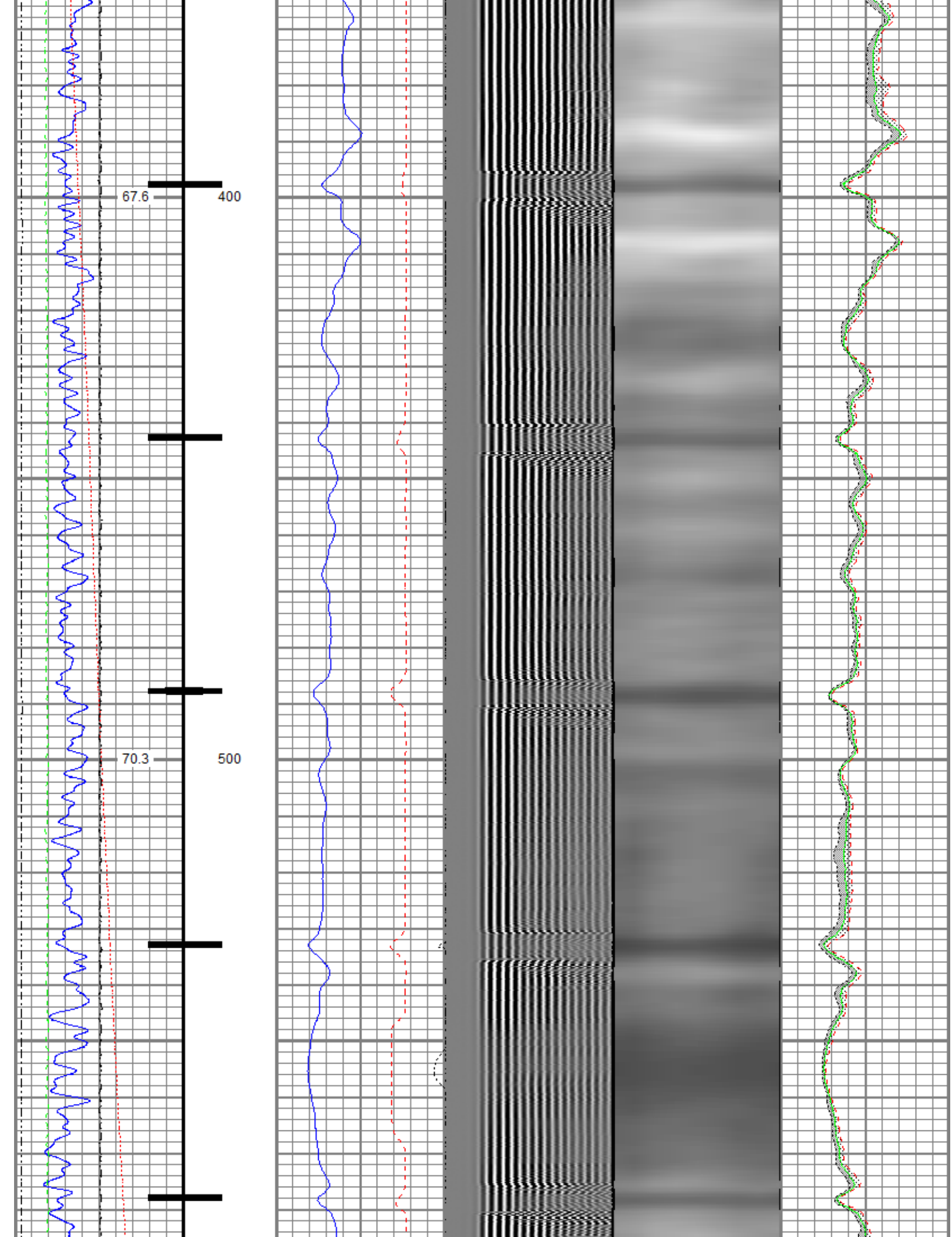


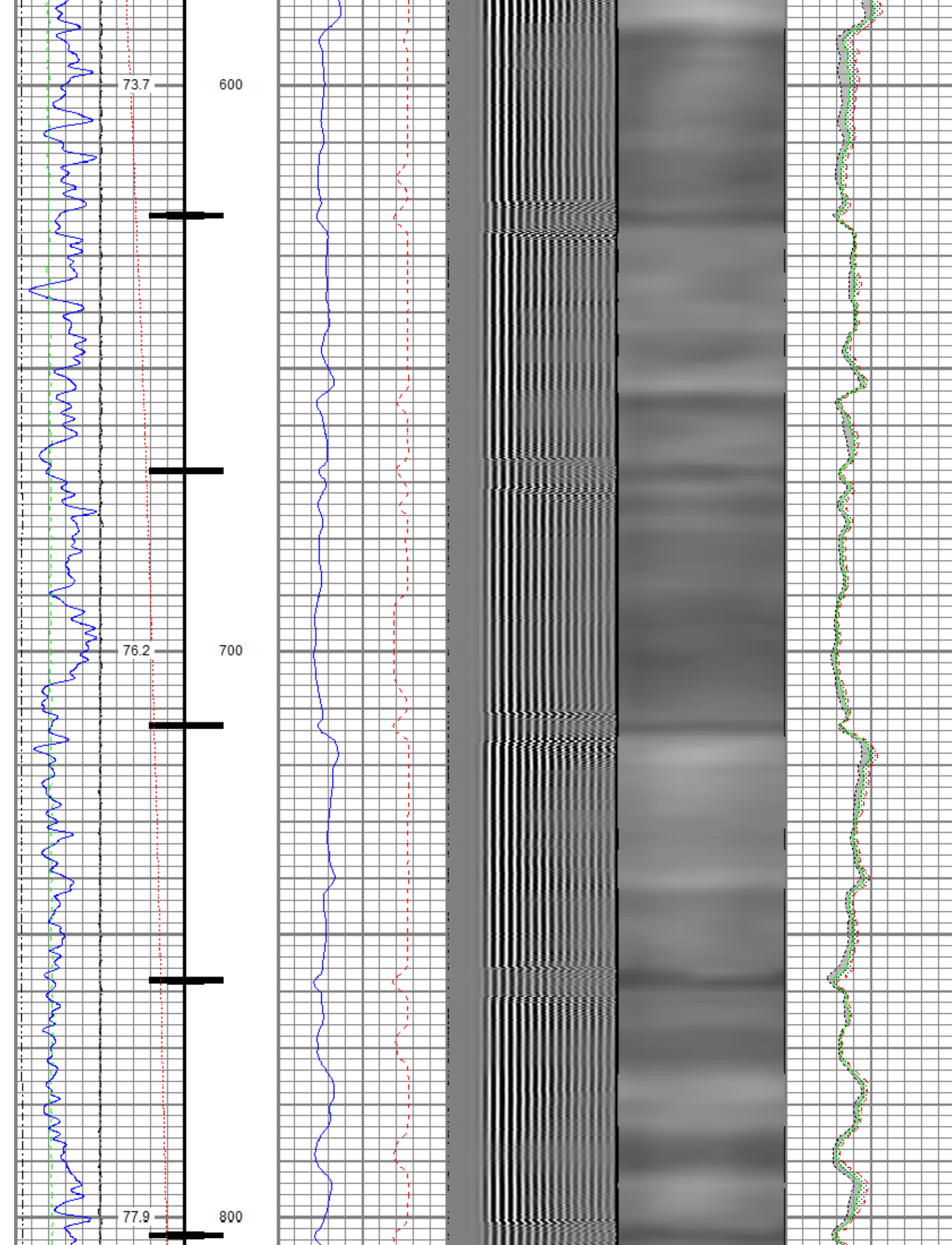
Database File	anadarko\0512346592_anadarko_english farms 8-11hz_rbl_09-13-18\0512346592_anadarko_english farms 8-11hz_rbl_09-13-18
Dataset Pathname	pass4.1
Presentation Format	ros_radri
Dataset Creation	Thu Sep 13 09:44:21 2018
Charted by	Depth in Feet scaled 1:240

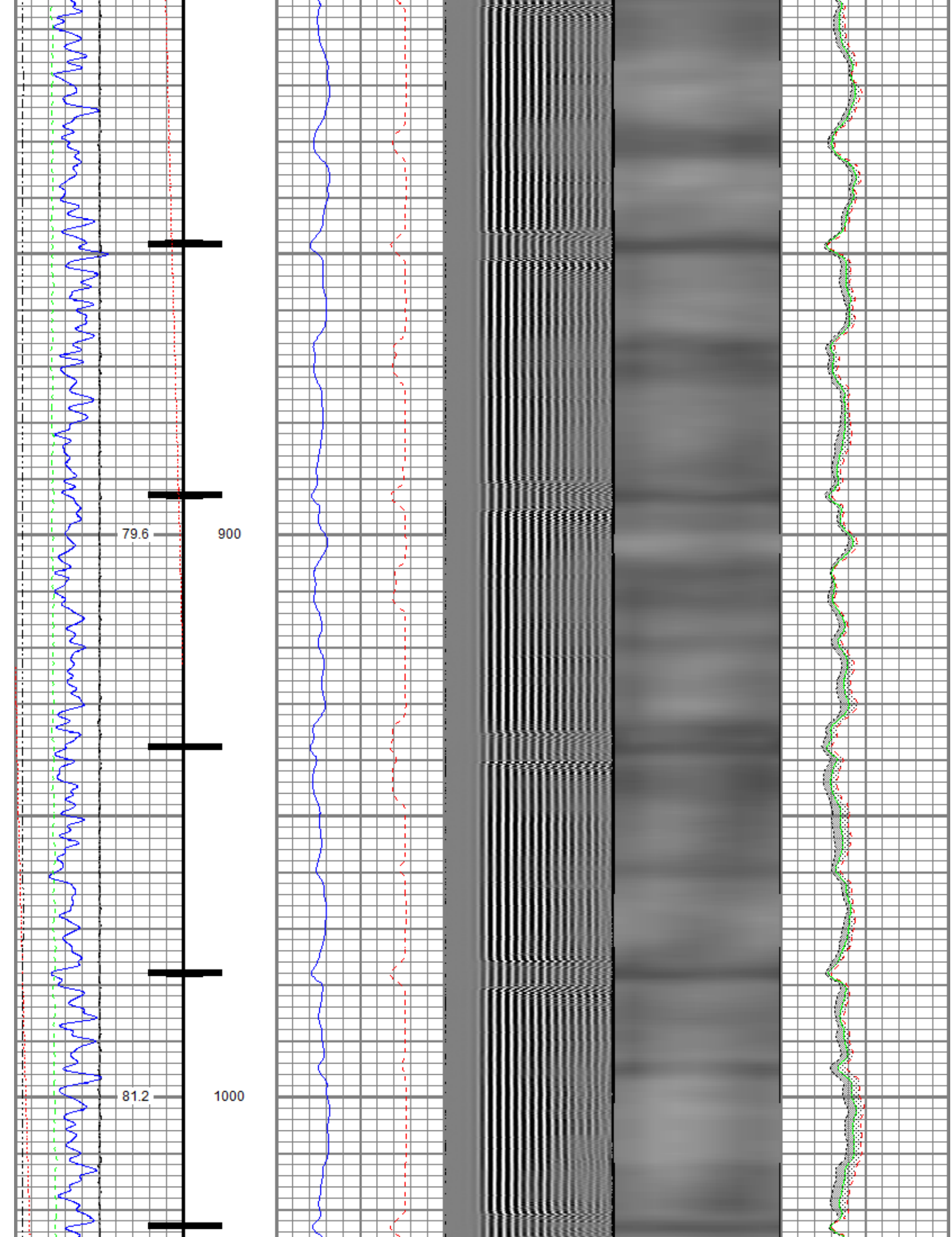
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
(ft/min) 150						
Line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

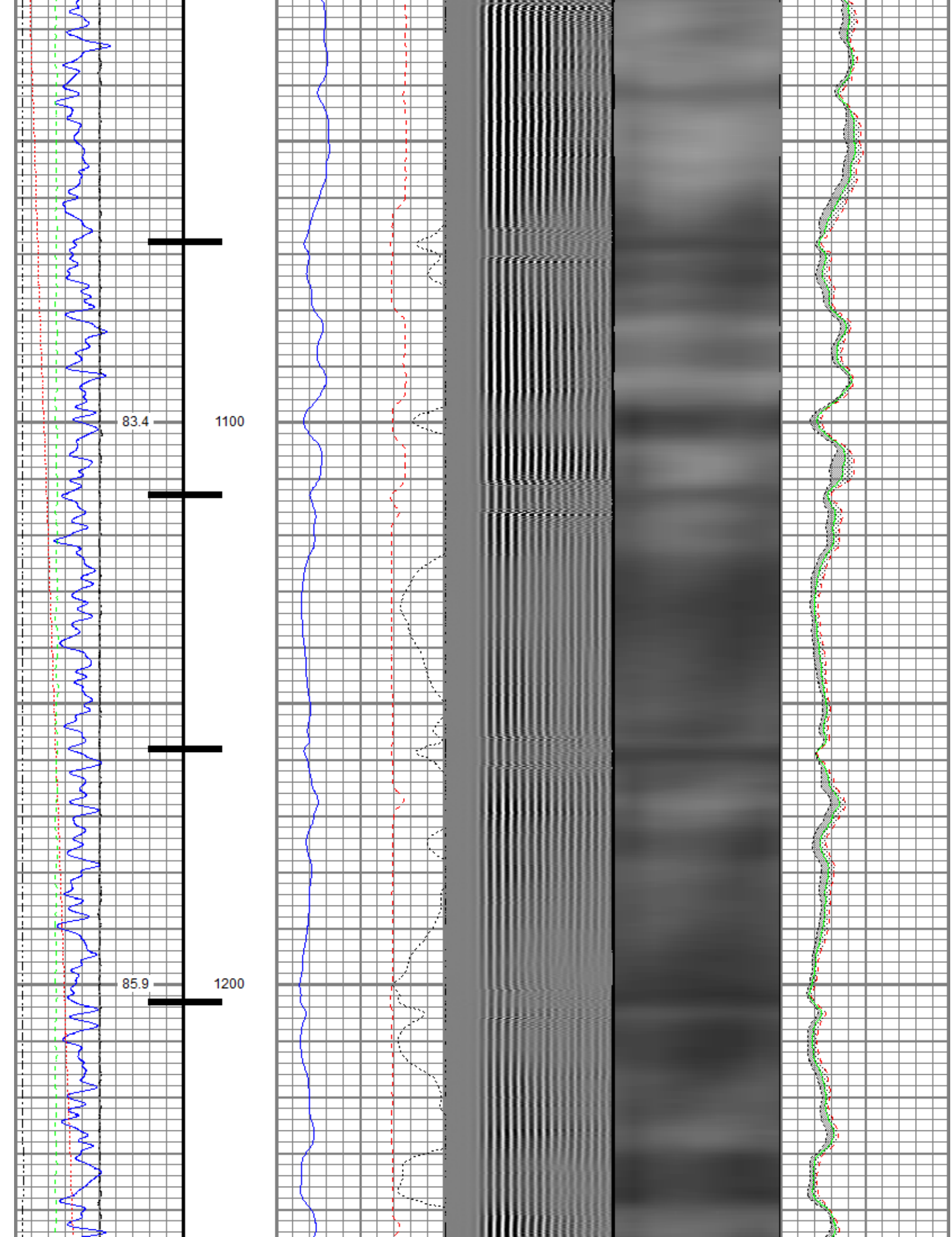


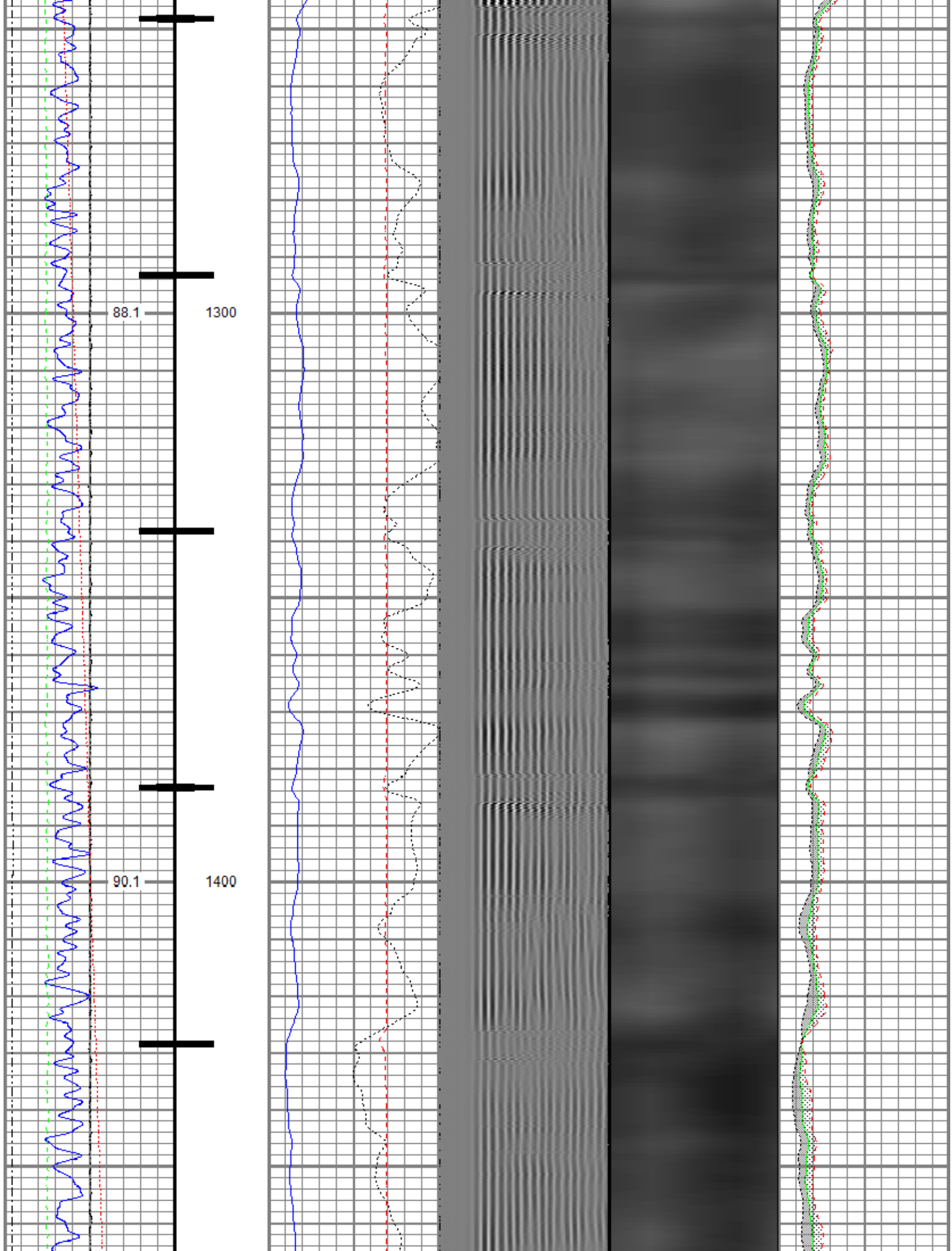


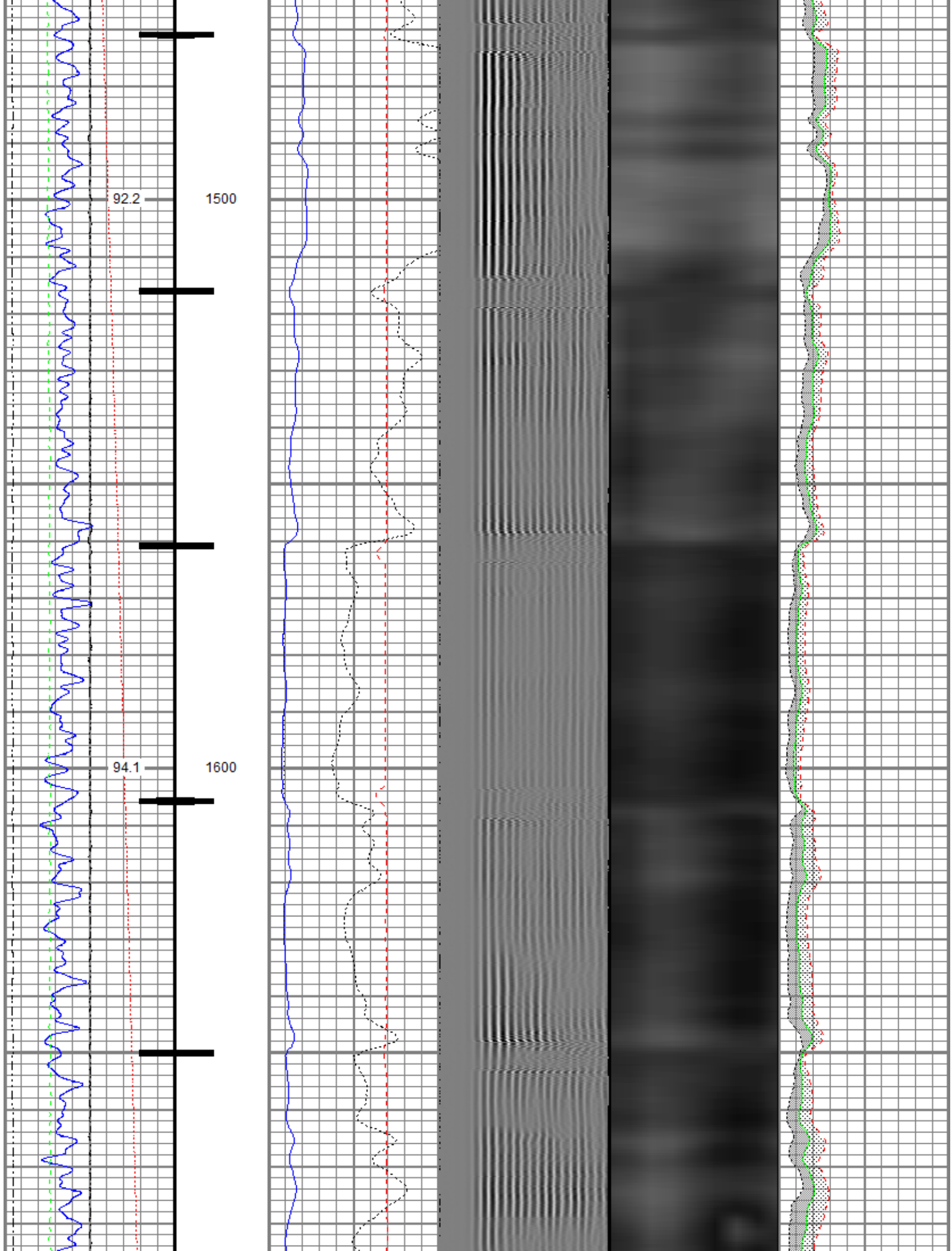


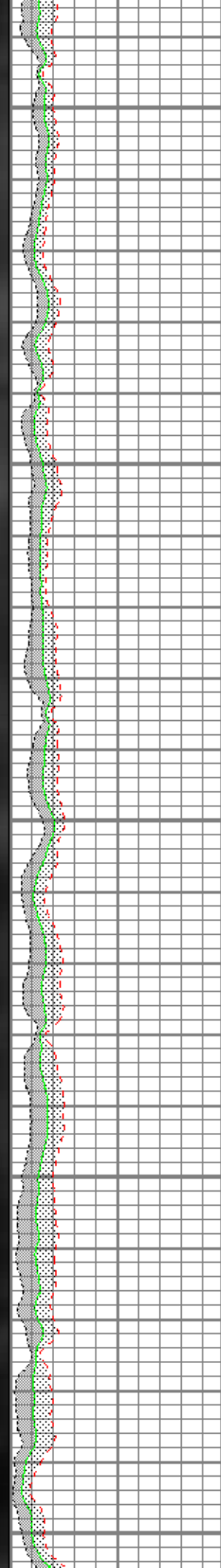
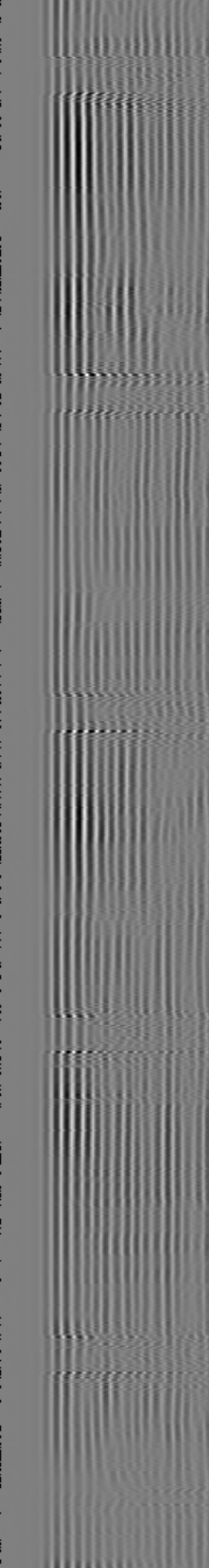
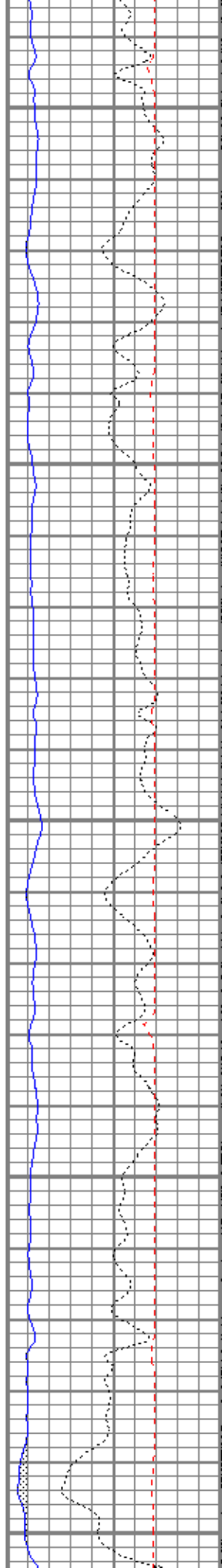
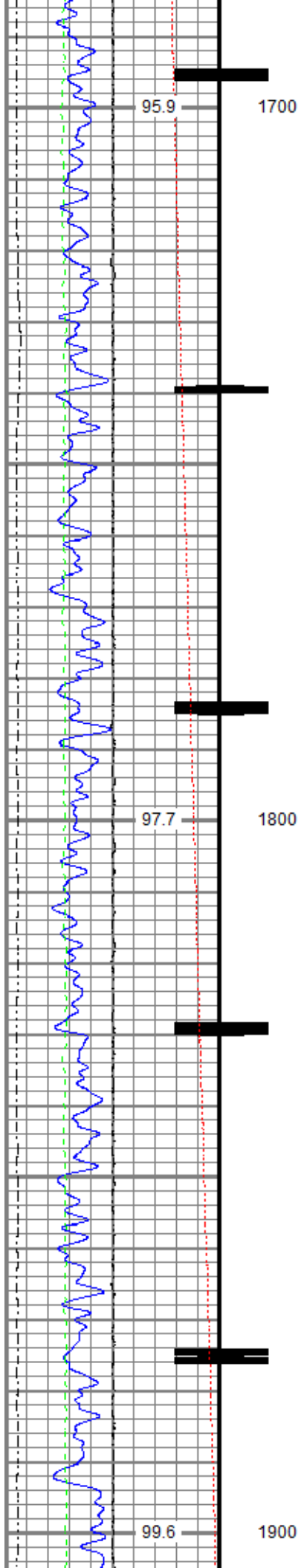


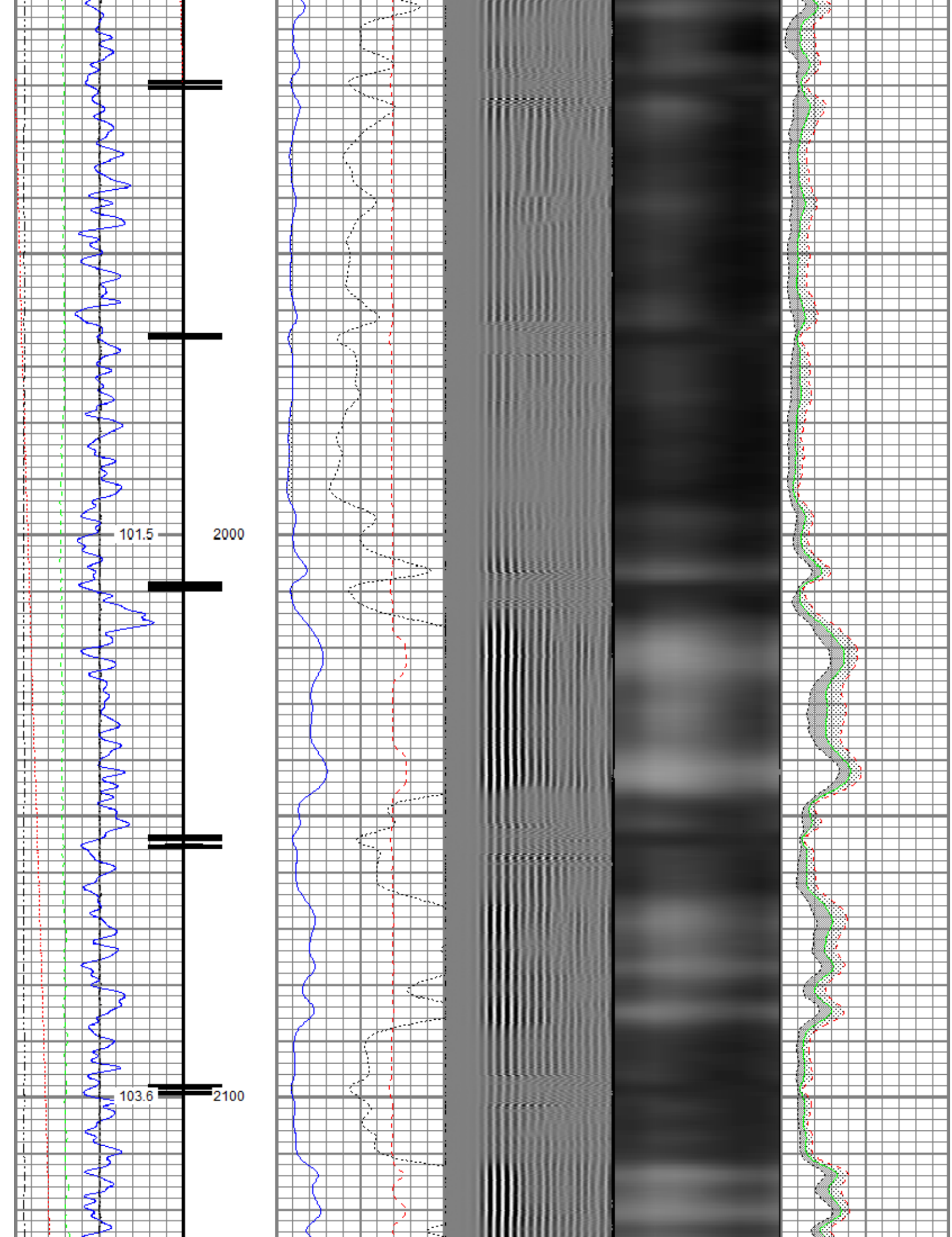


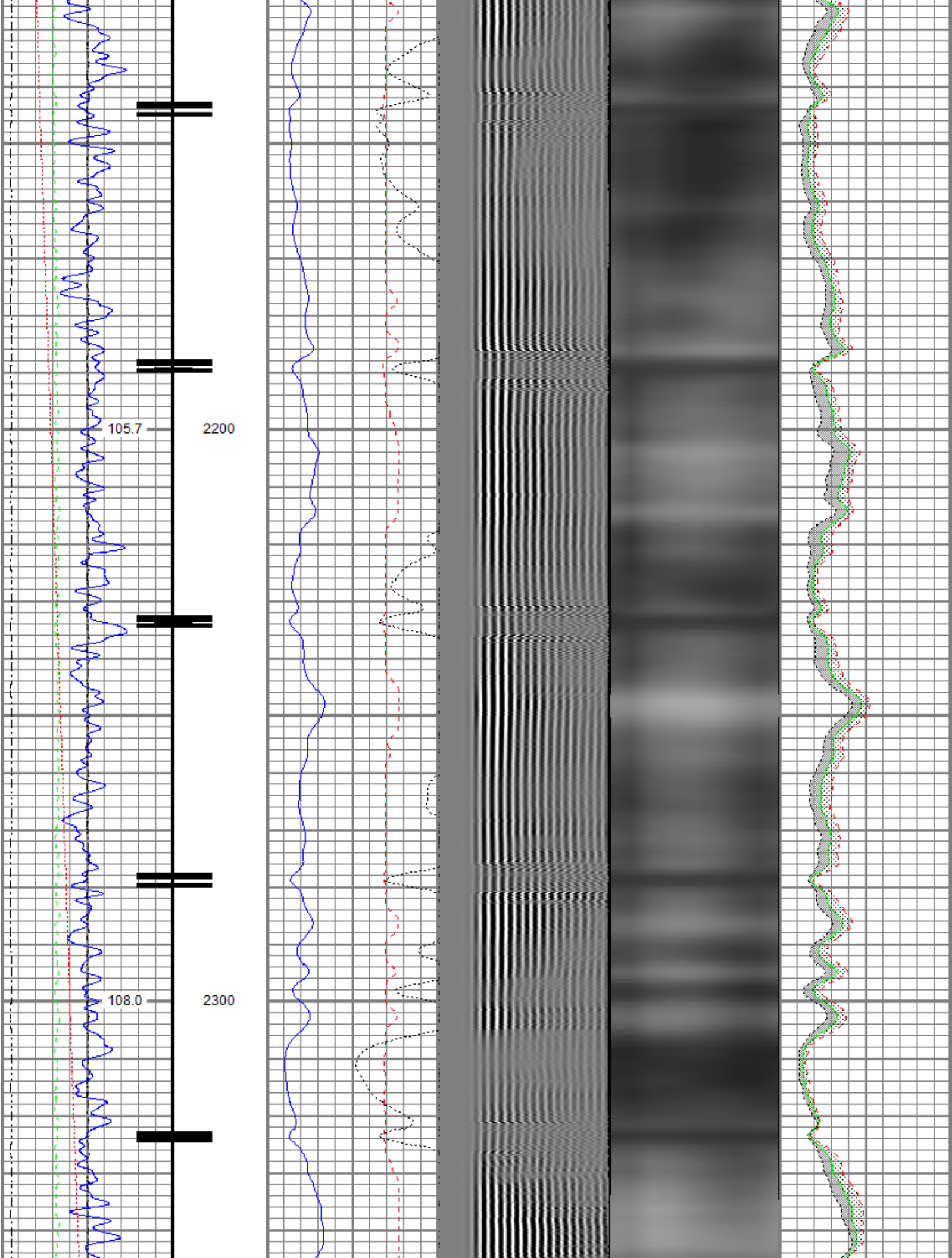


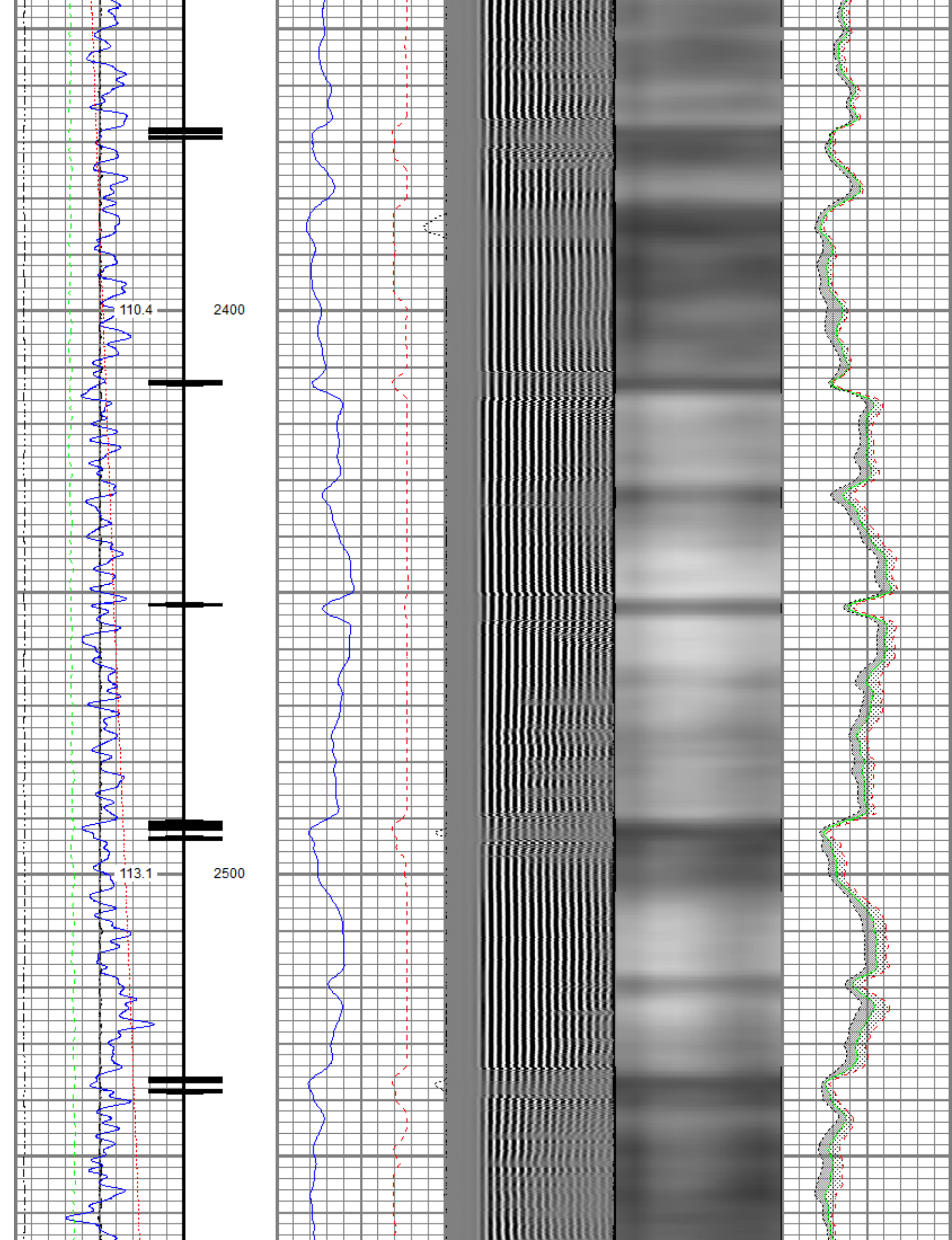


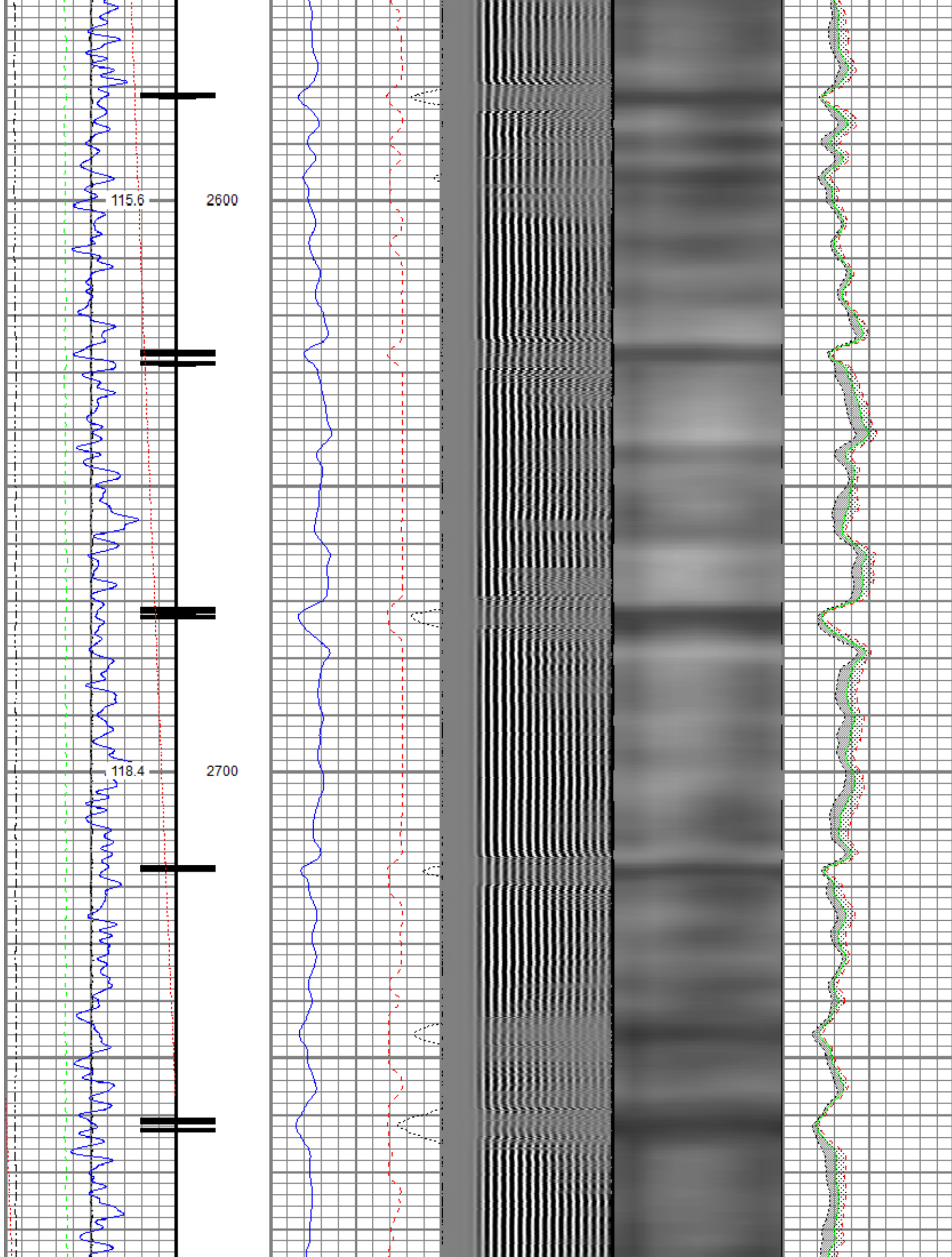


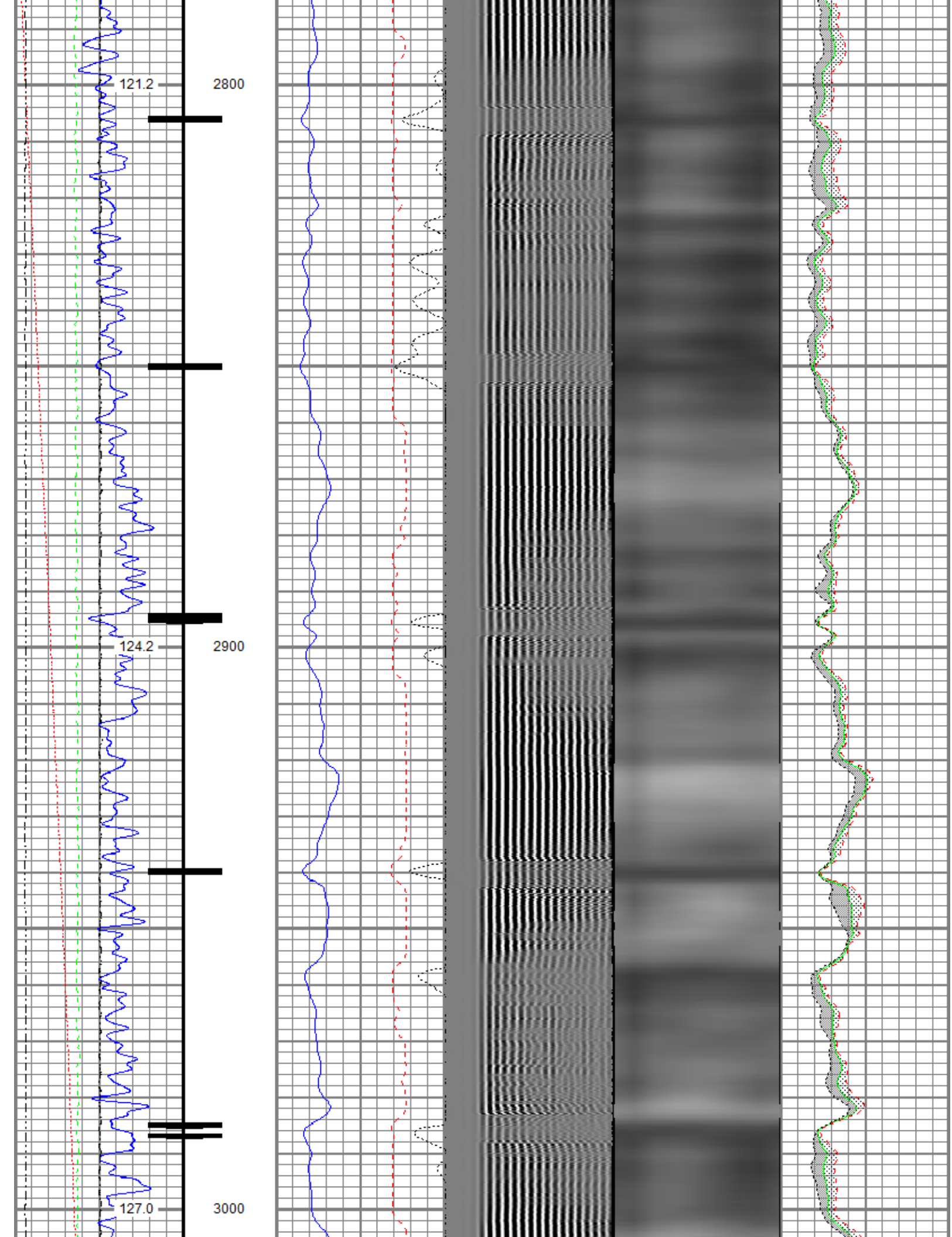


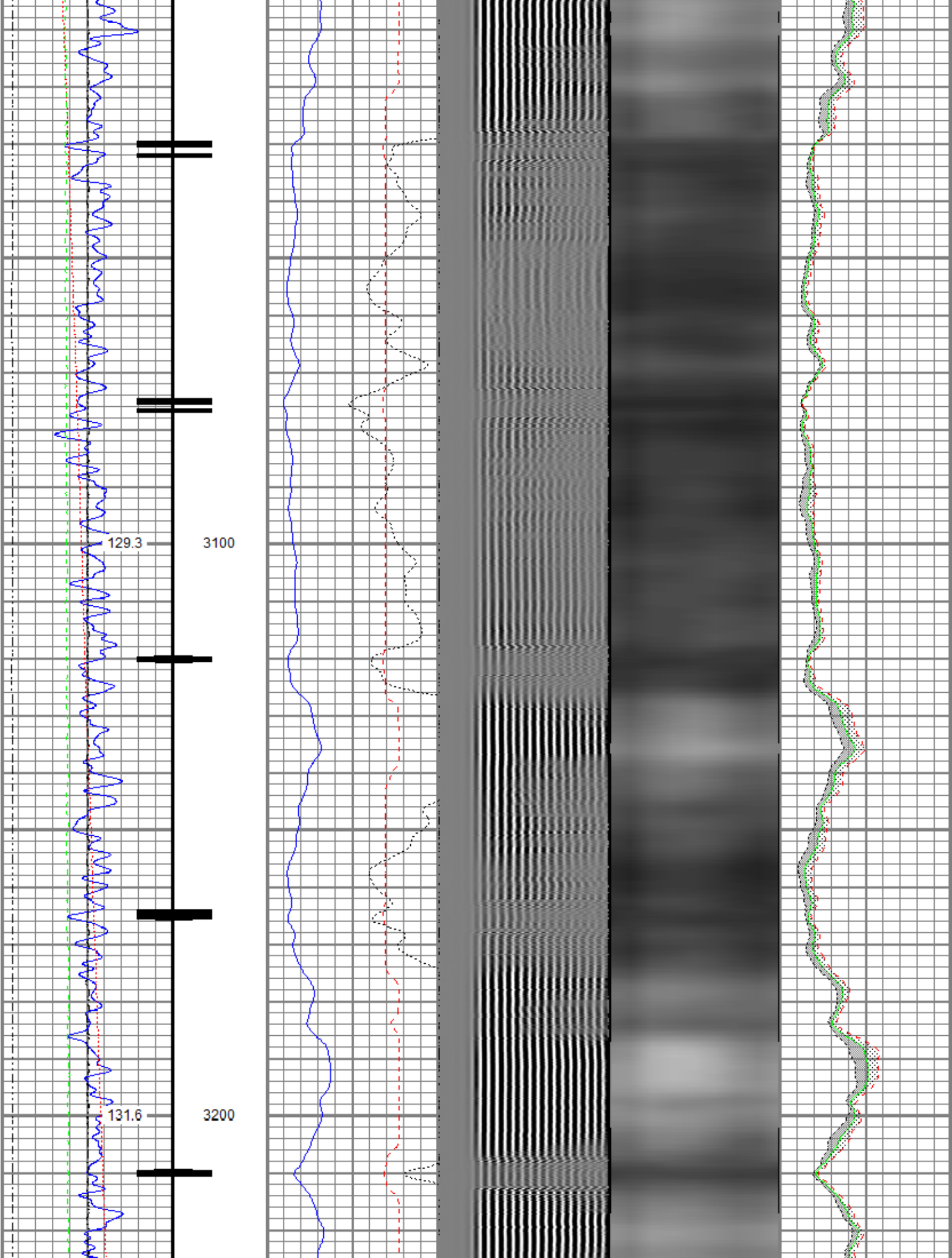


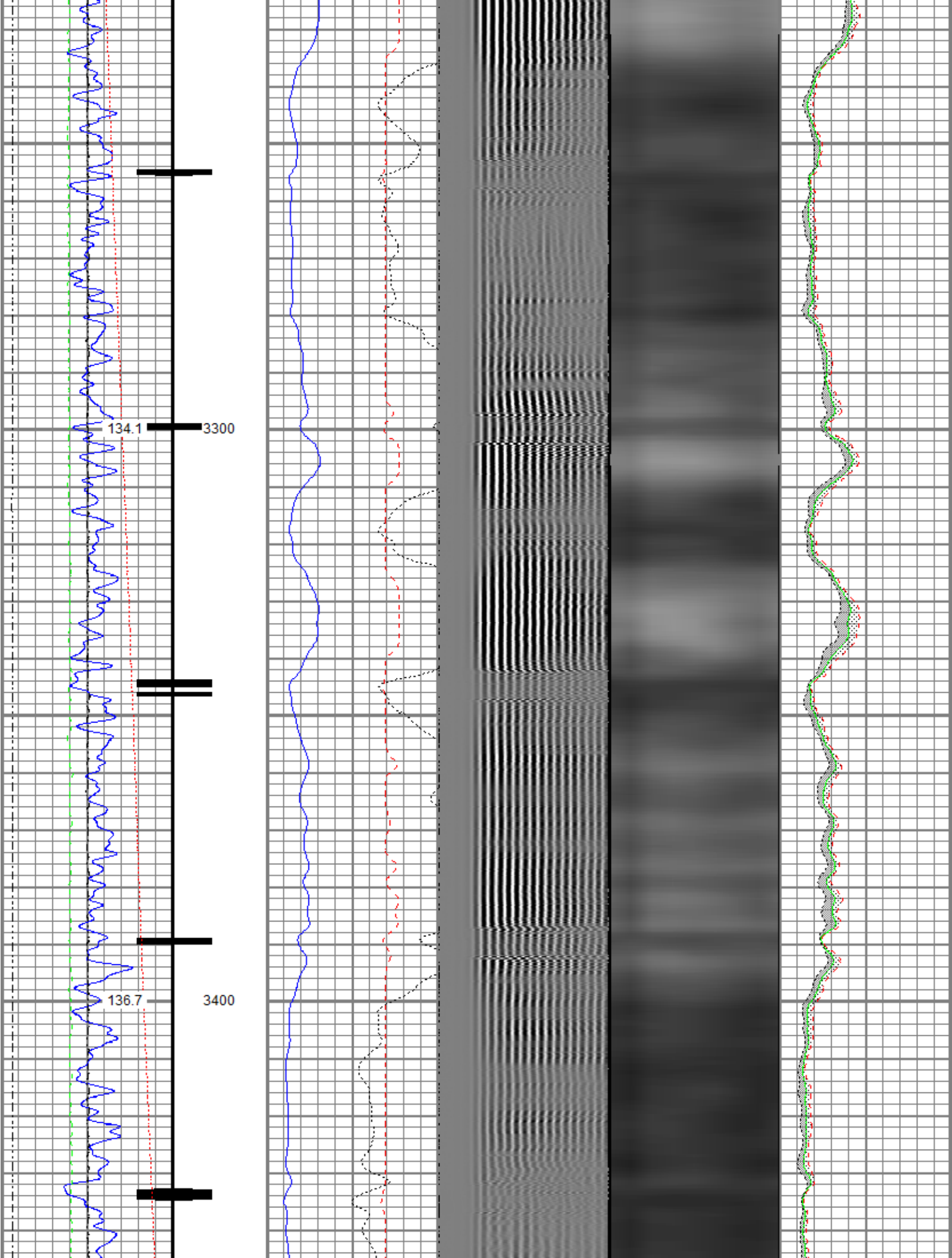


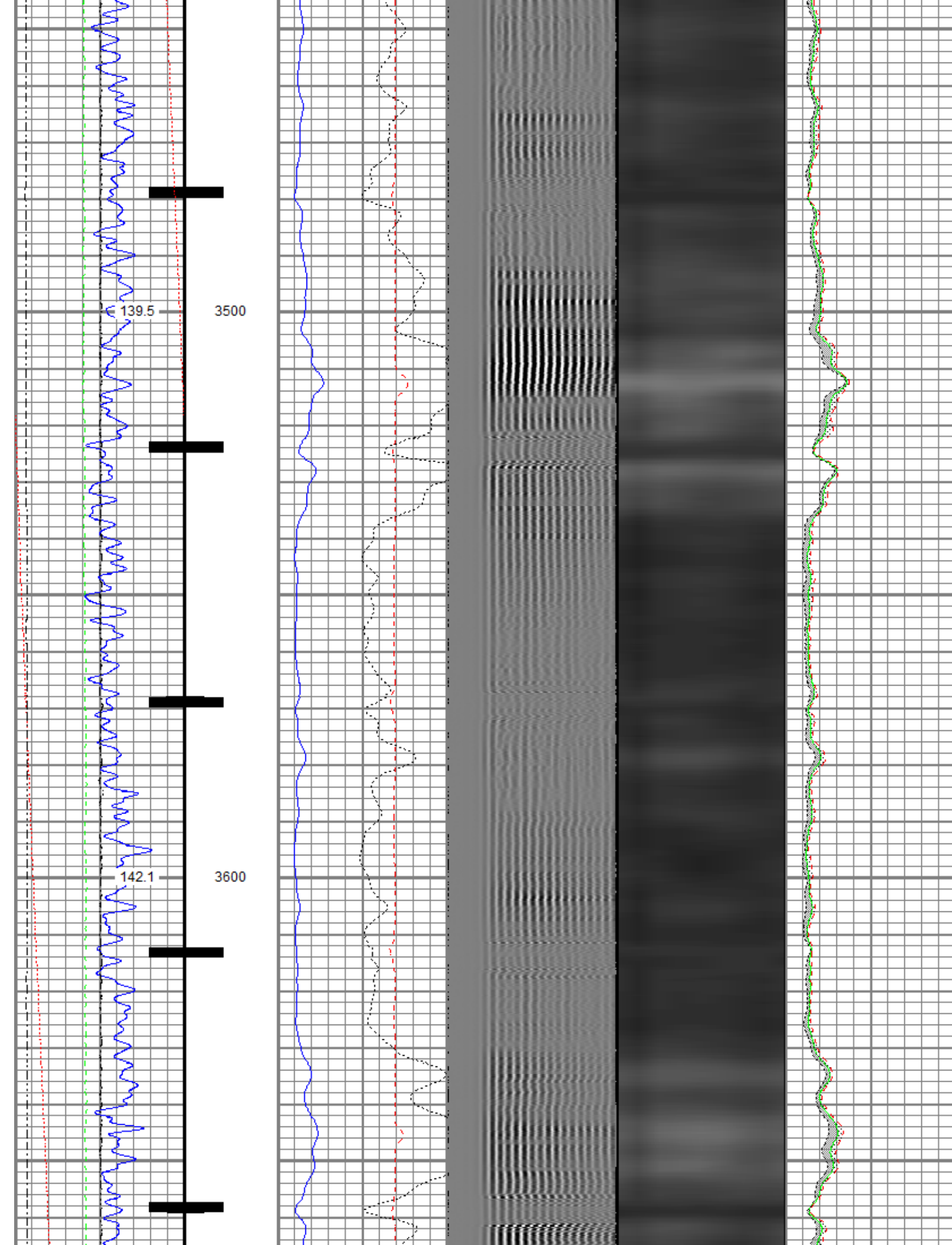


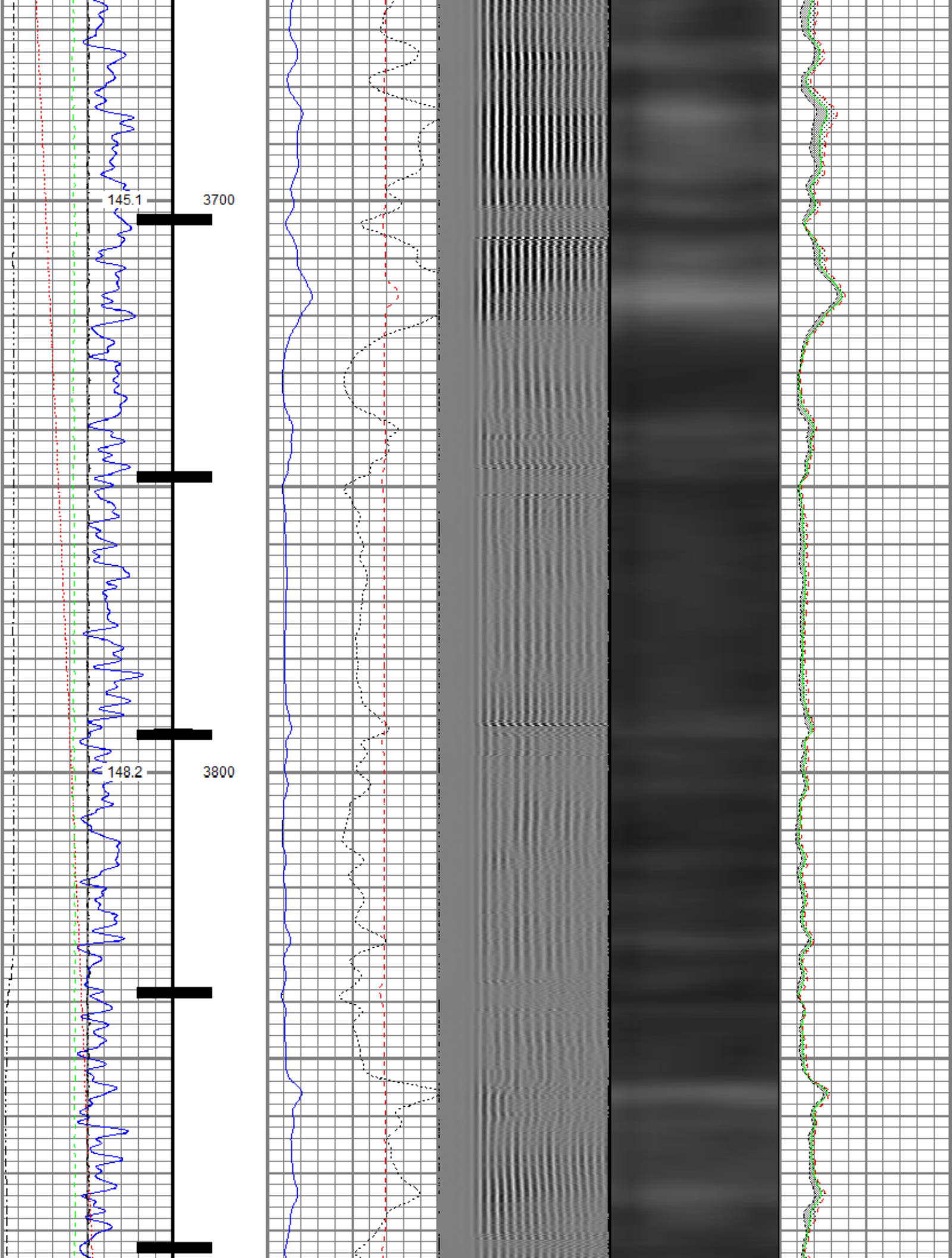


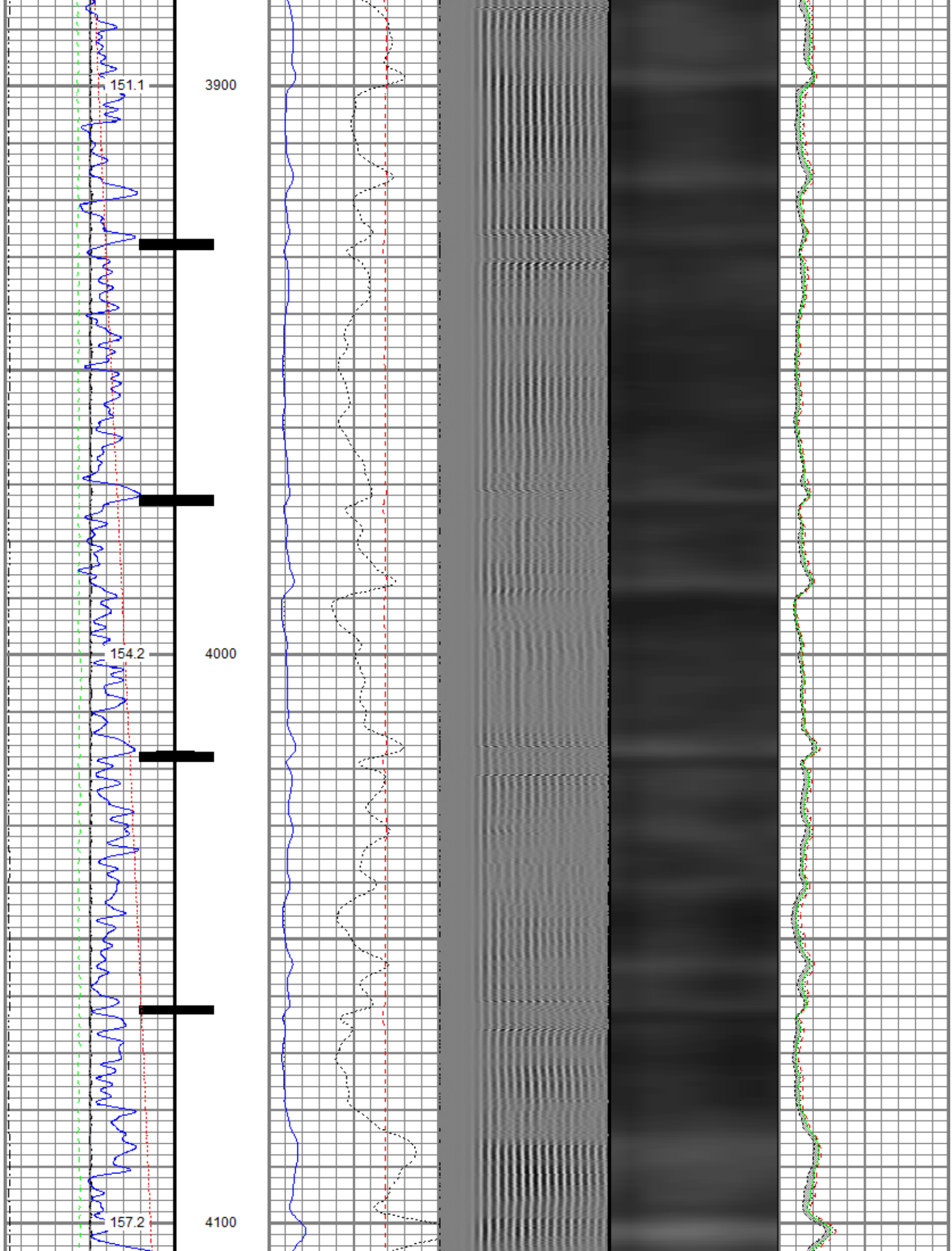


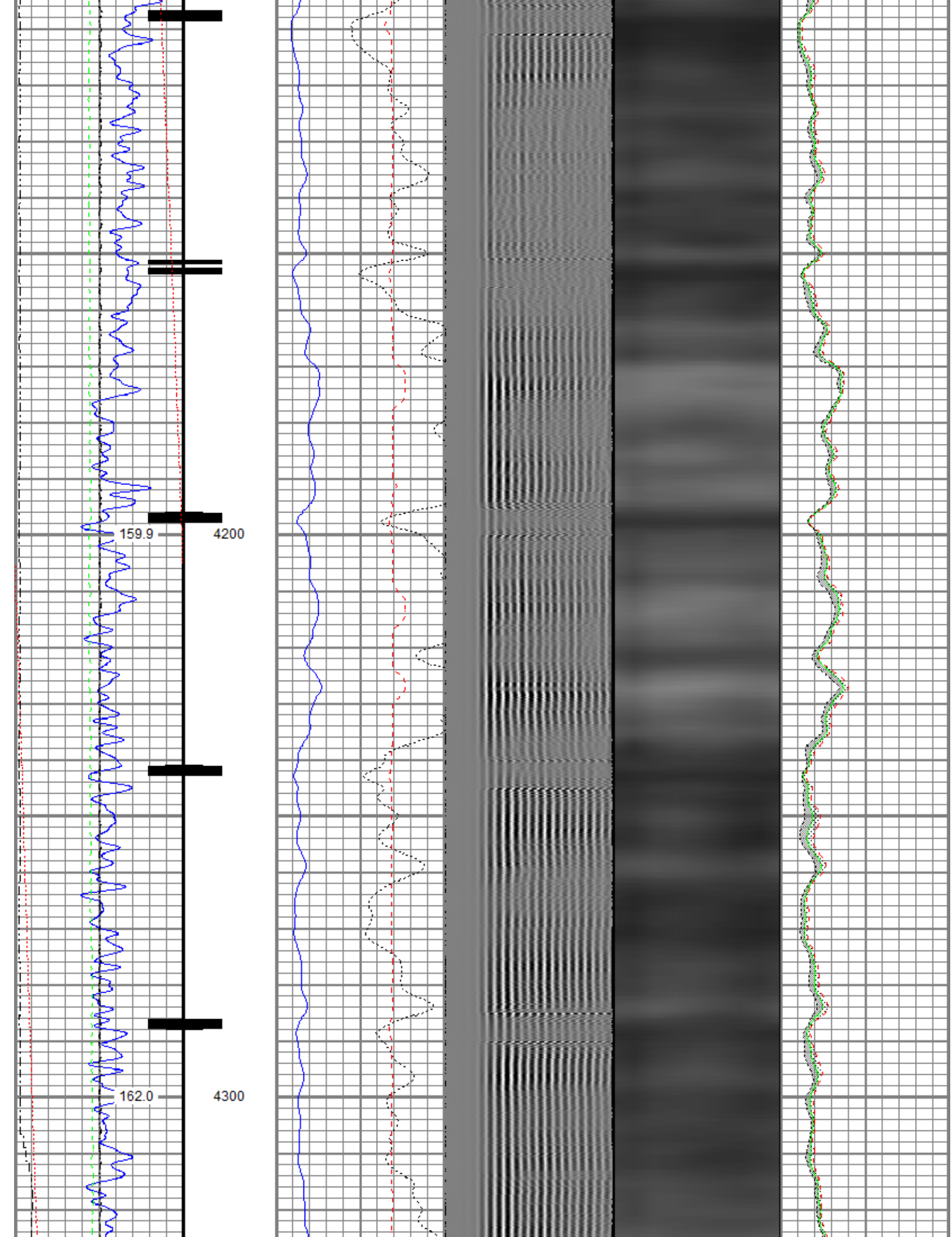


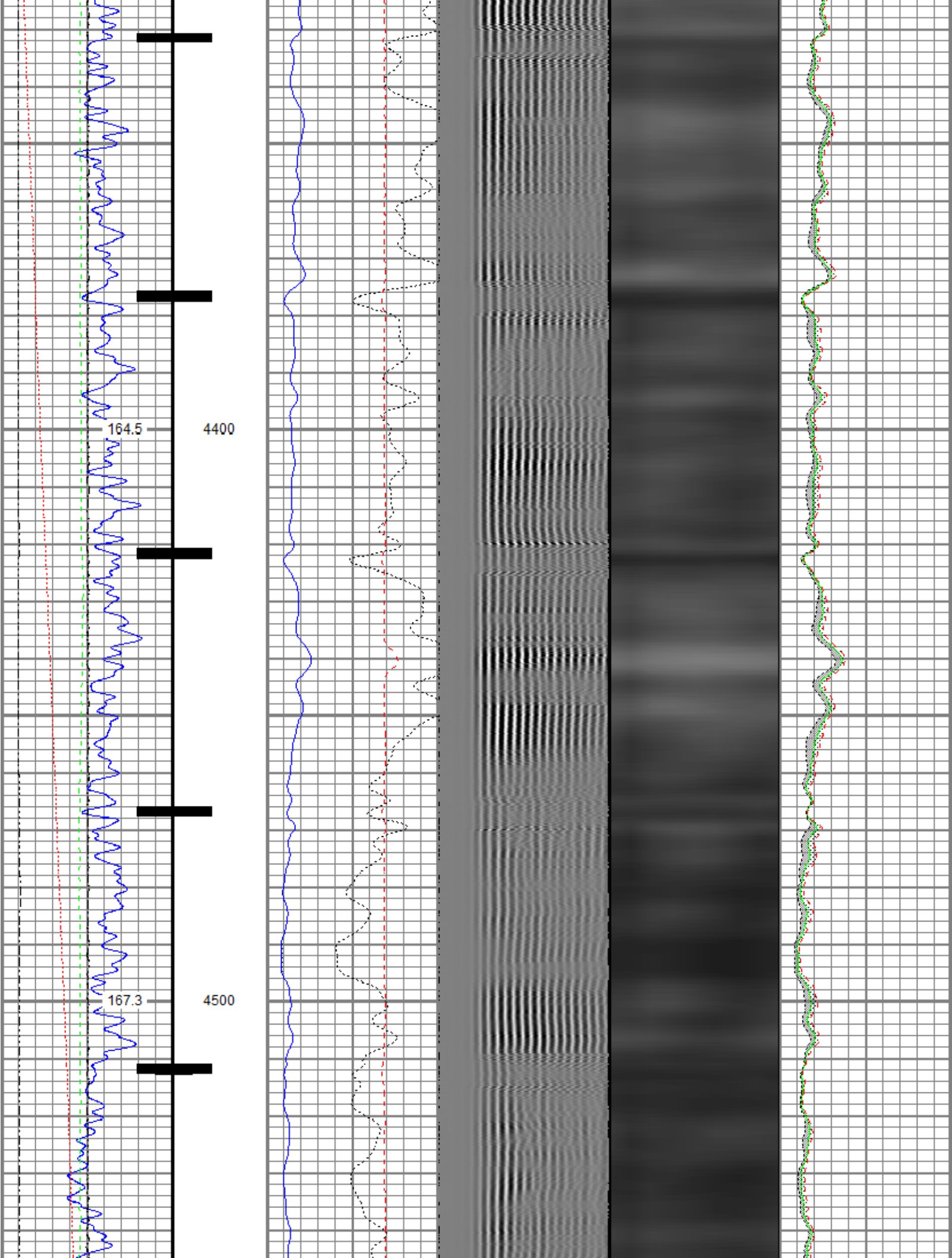


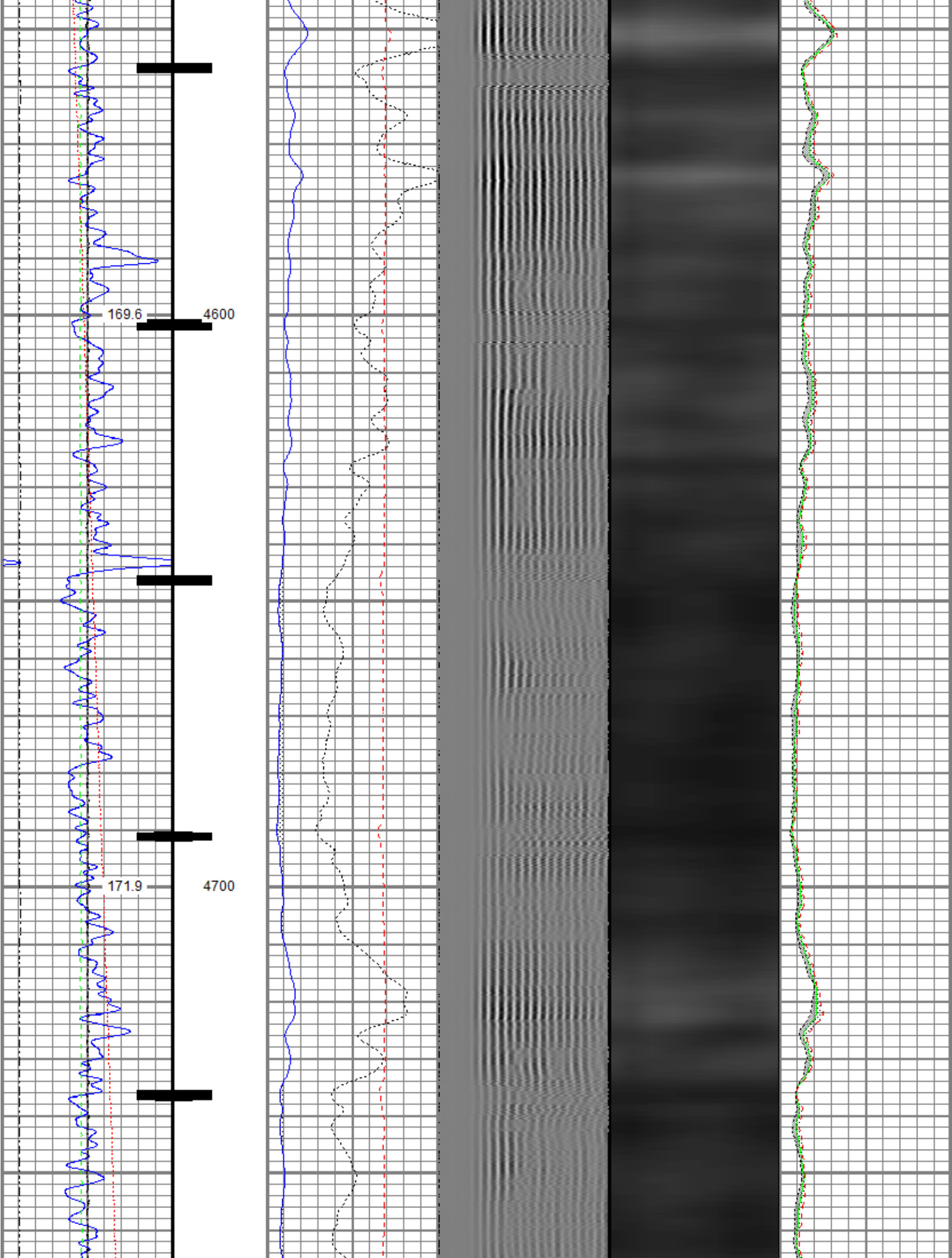


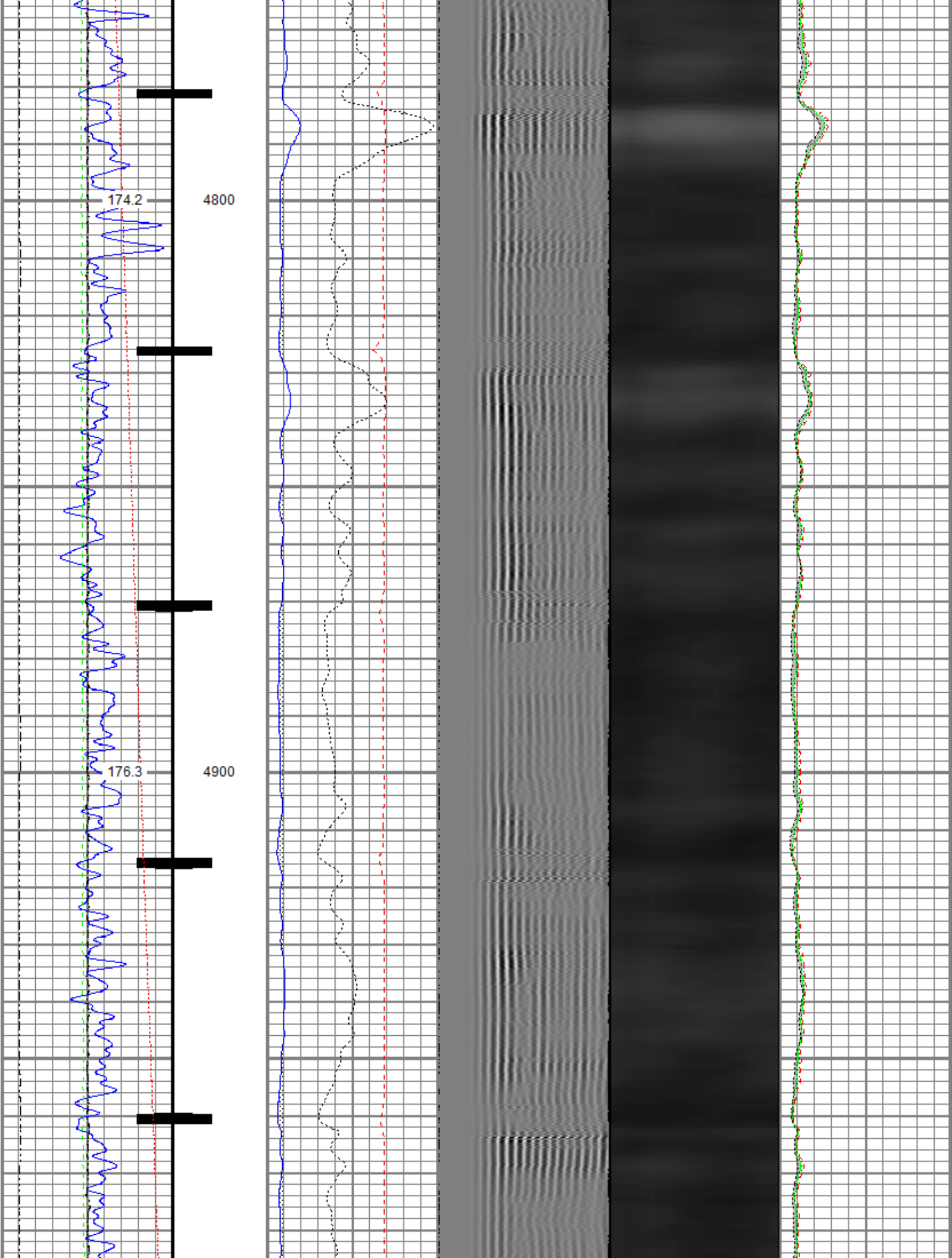


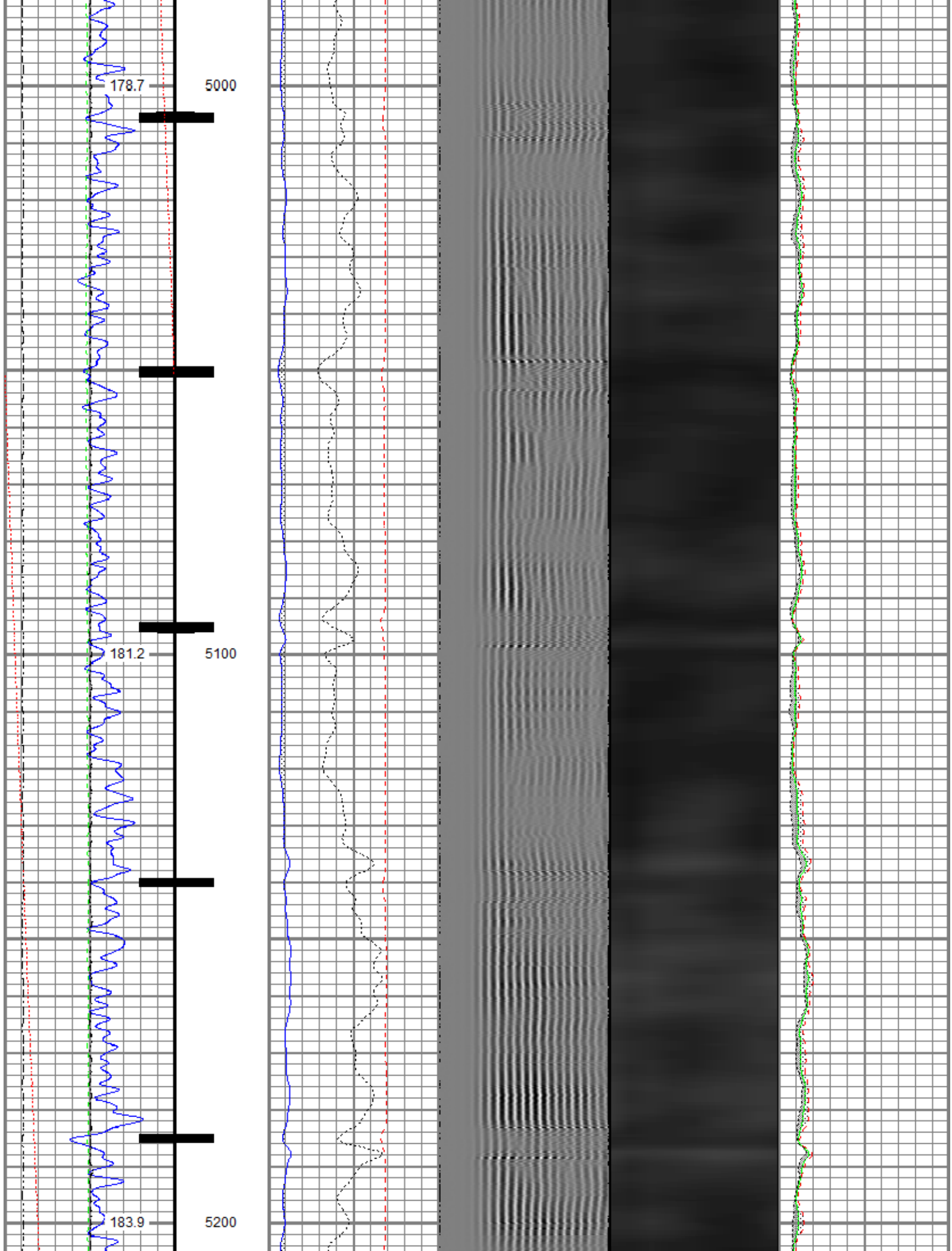


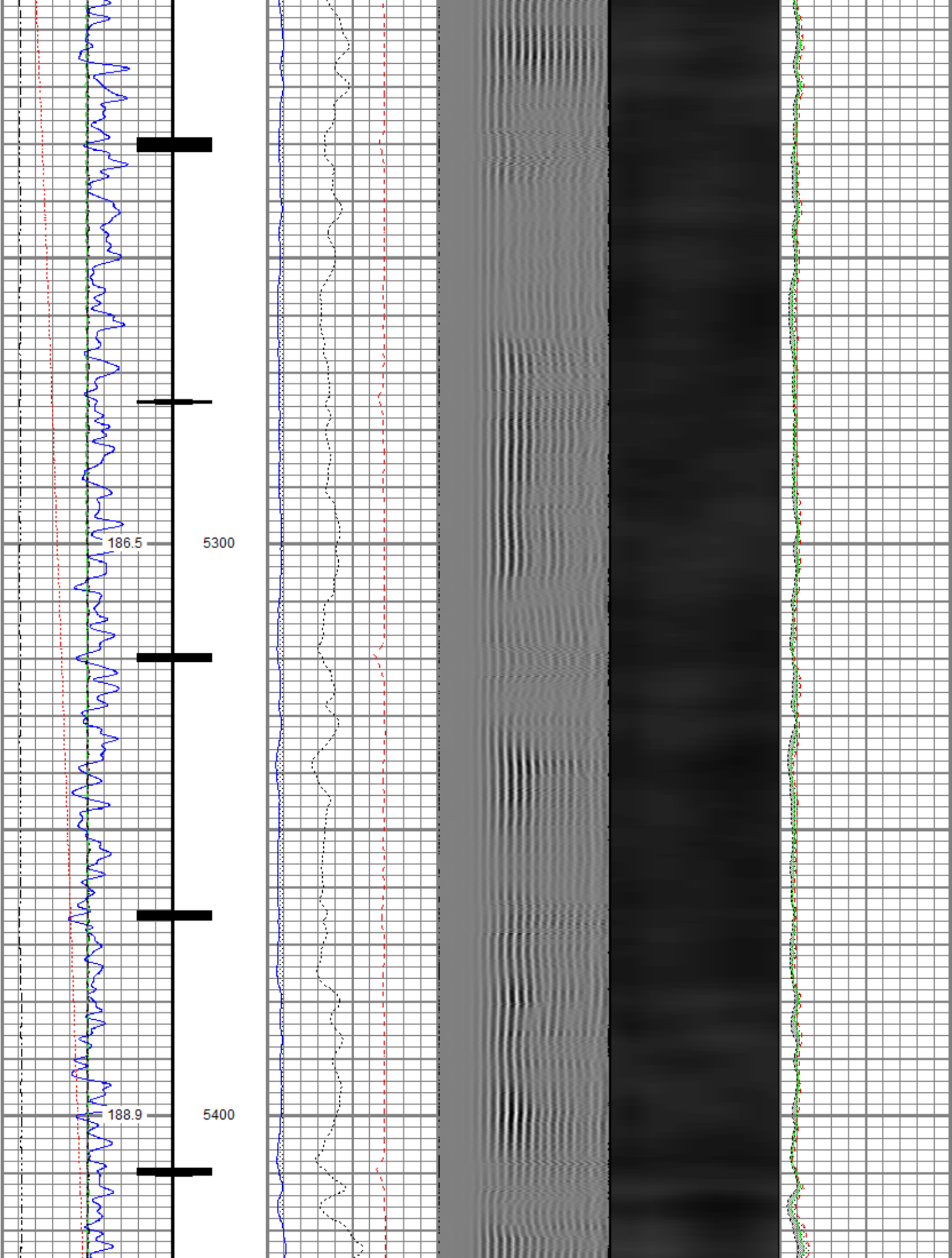


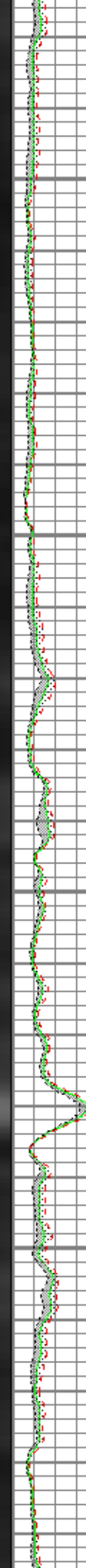
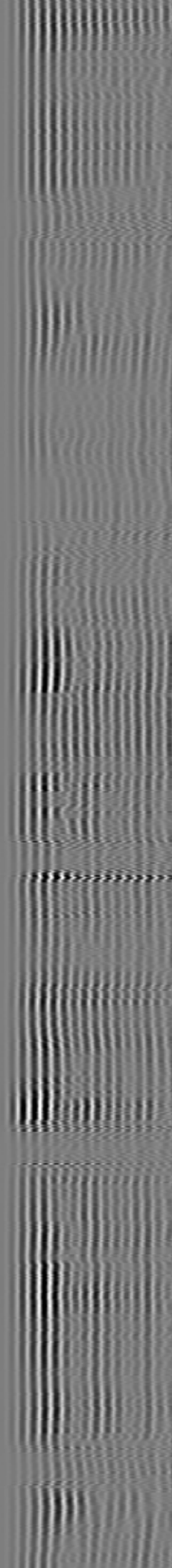
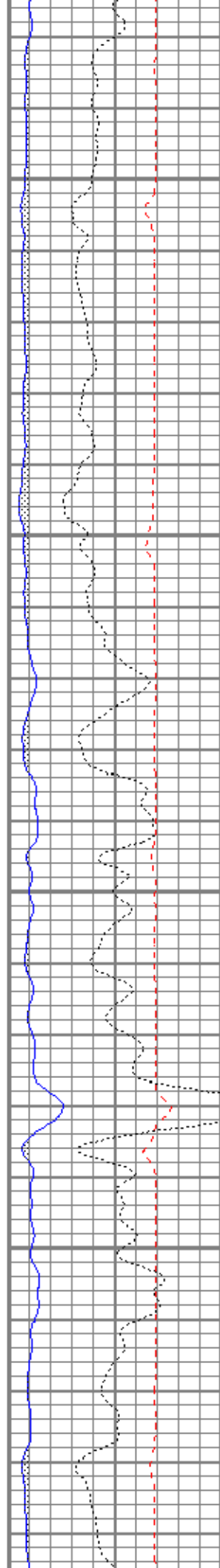
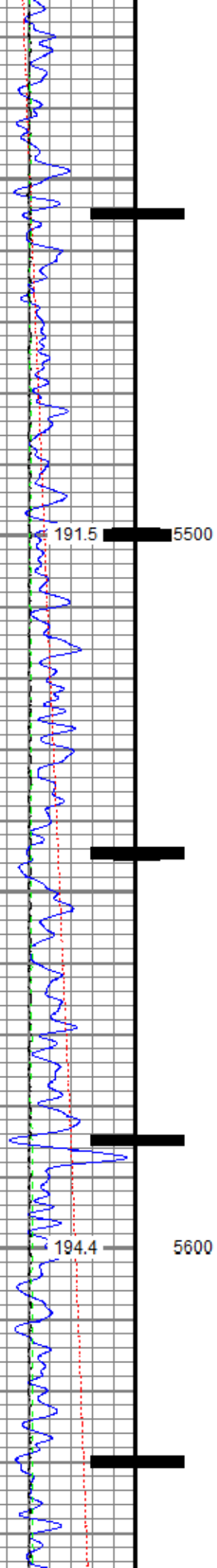


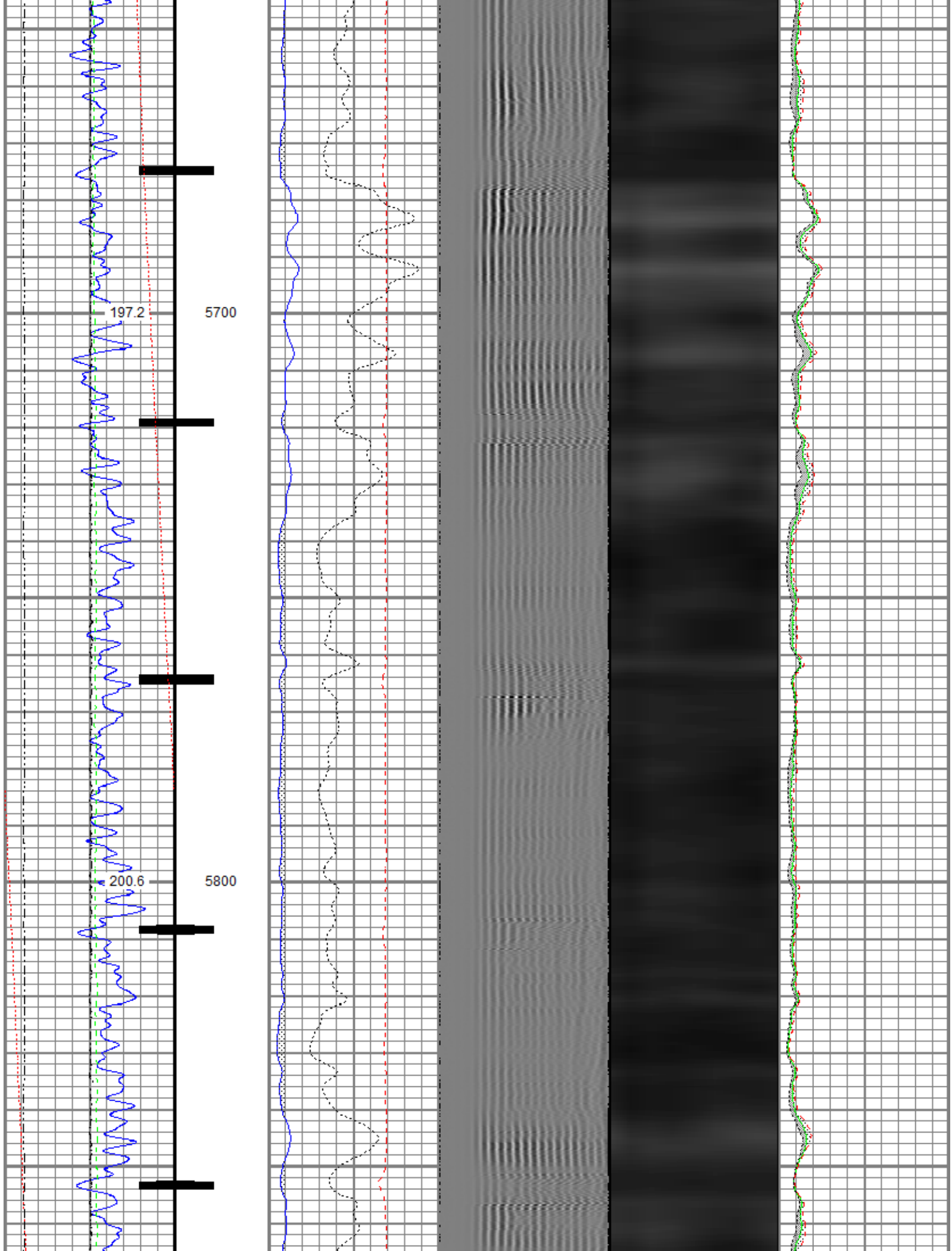


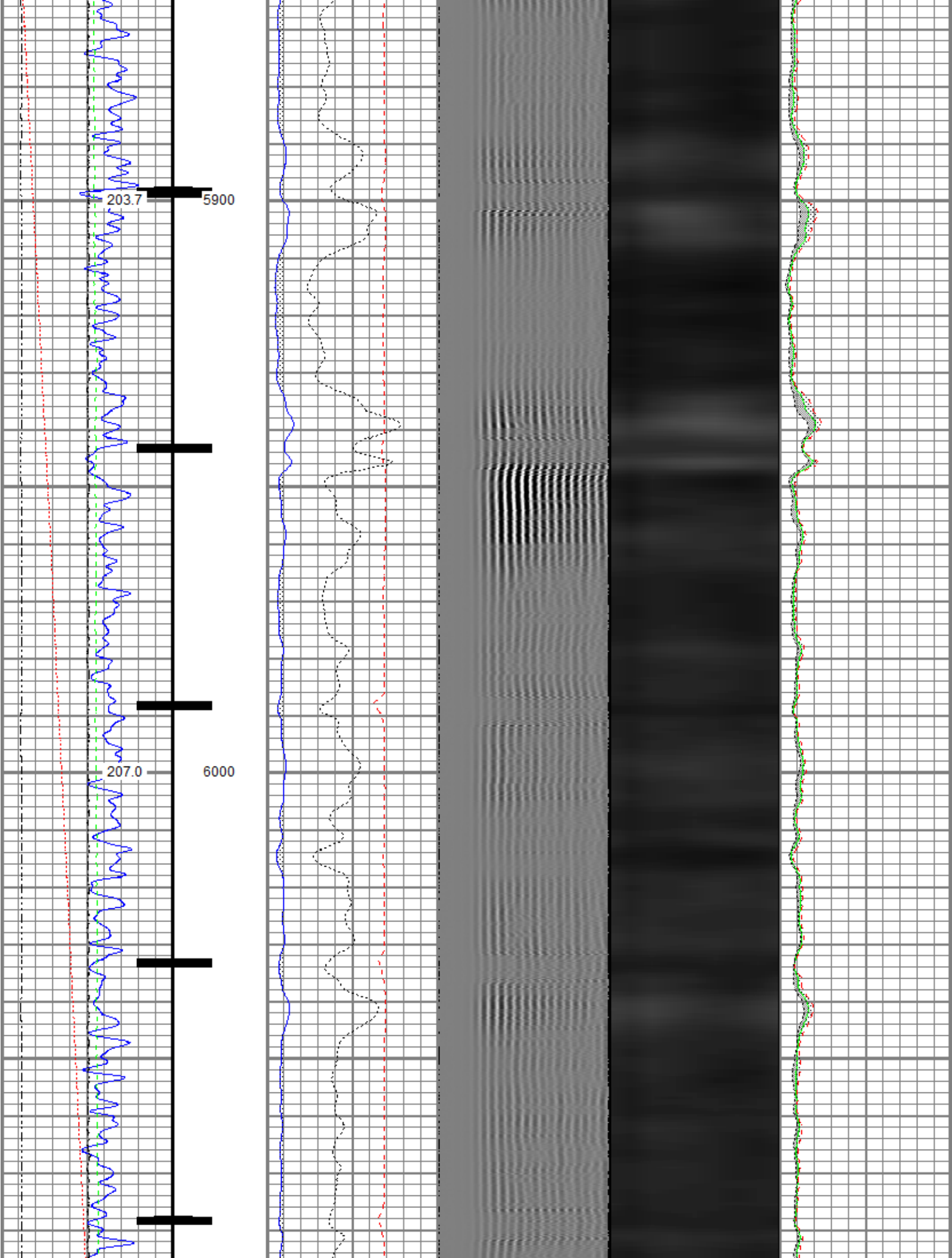


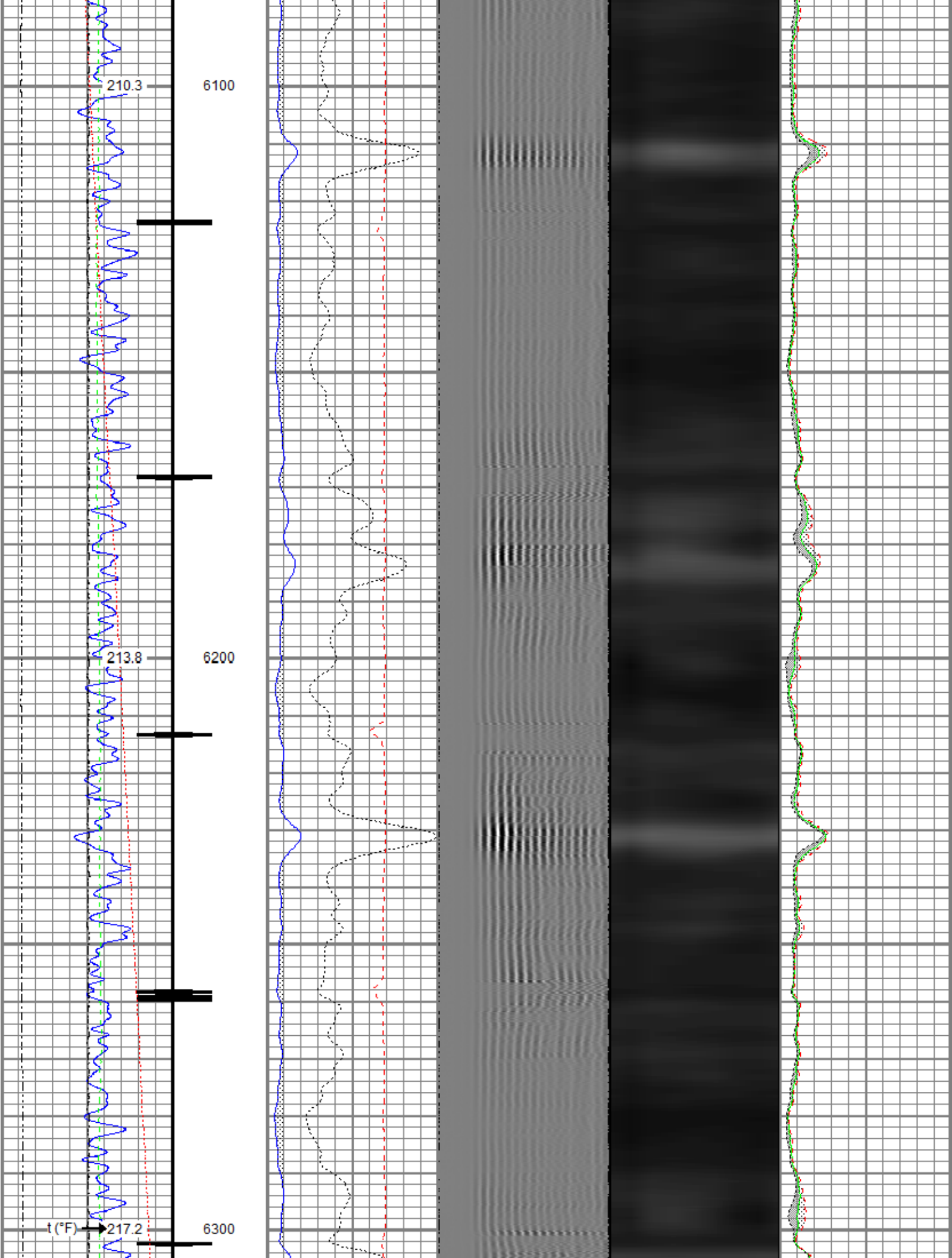


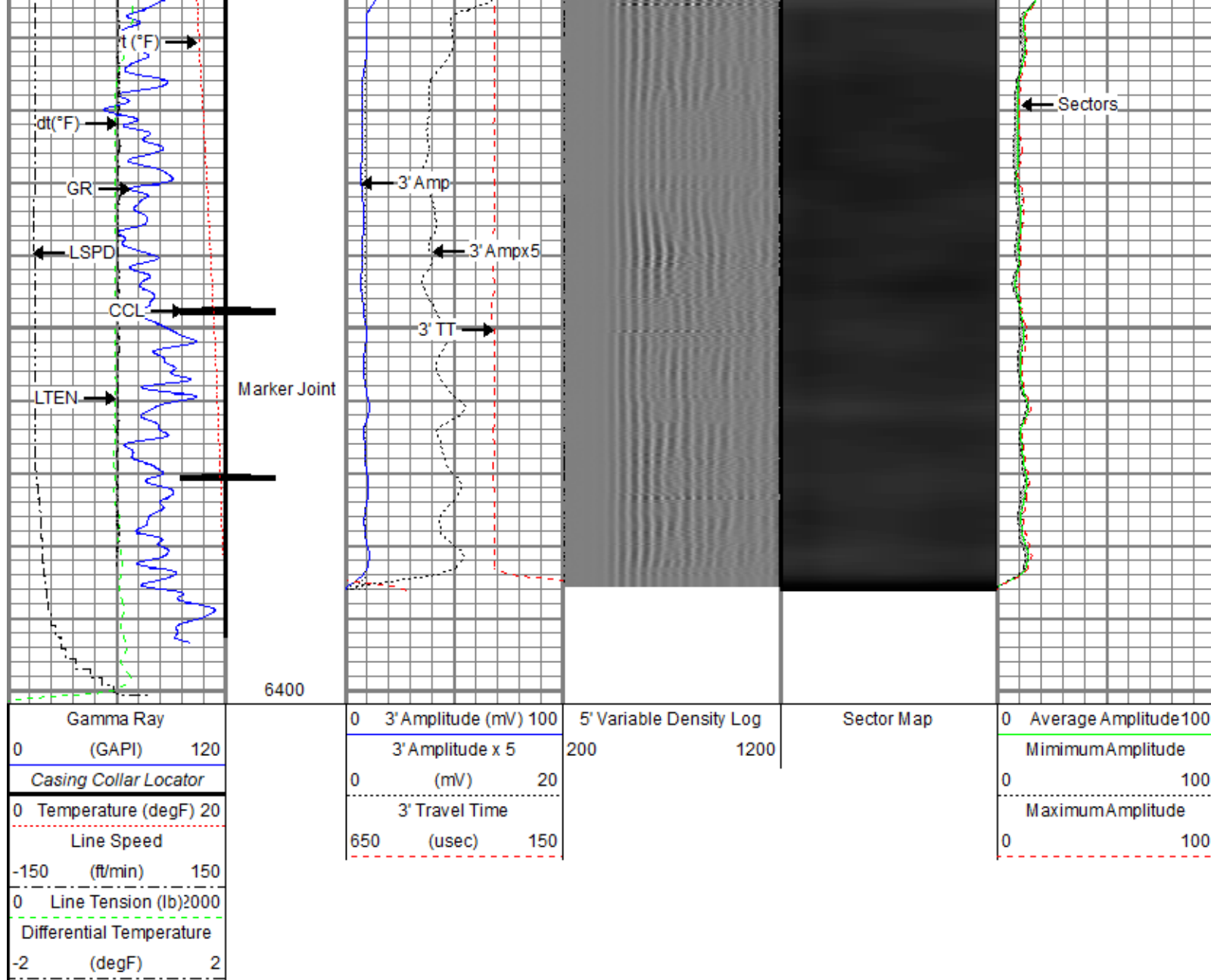








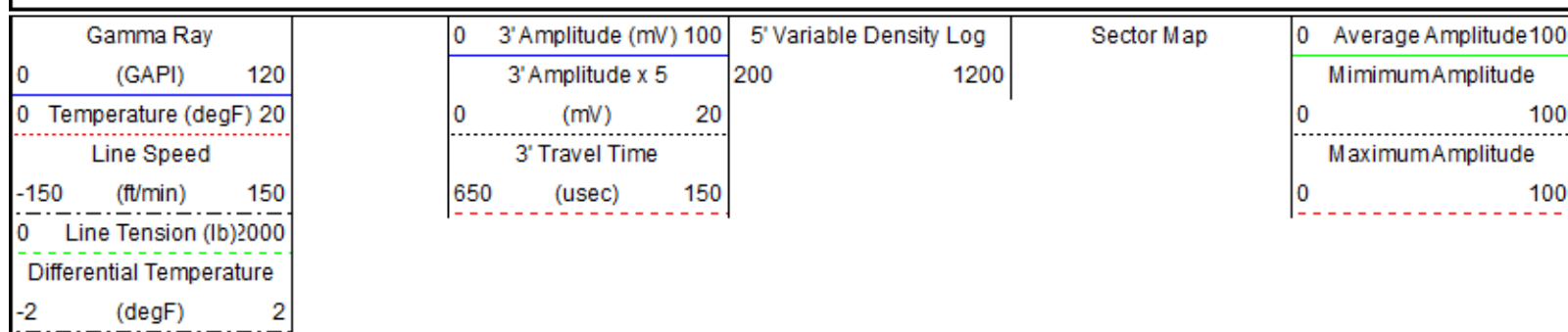




Repeat Pass

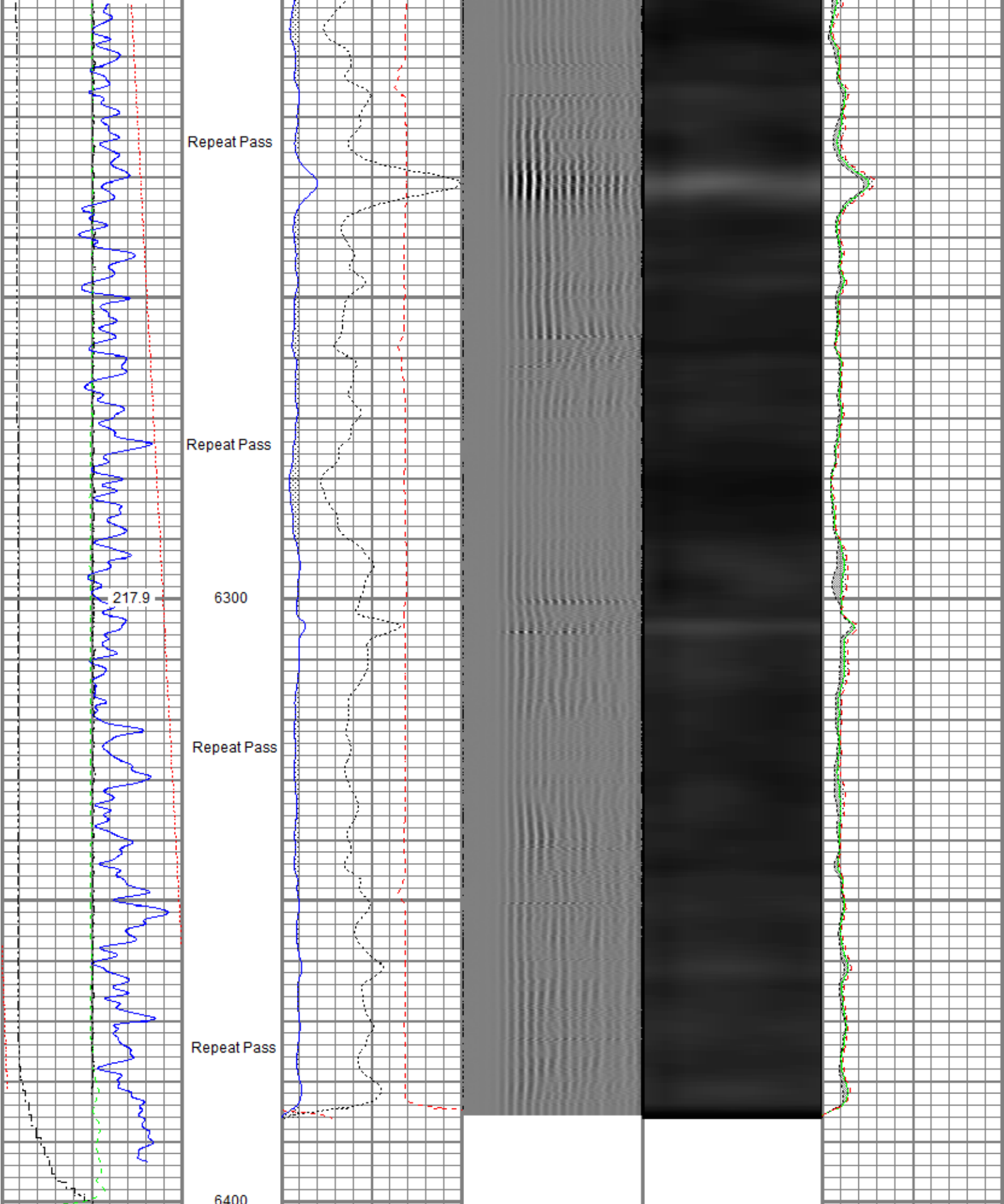
Recorded With 2800 PSI Surface Induced Pressure

Database File: anadarko\0512346592_anadarko_english farms 8-11hz_rbl_09-13-18\0512346592_anadarko_english farms 8-11hz_rbl_09-13-18
 Dataset Pathname: pass2.2
 Presentation Format: ros_radial
 Dataset Creation: Fri Sep 14 08:50:16 2018
 Charted by: Depth in Feet scaled 1:240



214.4

6200



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)
			Titan CHD-14375 GO Titan 1-7/16" Assembled Electric Cable Head w/ 1" Fishing Neck	1.03	1.44	3.60
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
TEMP	18.23					
WVFS8	16.00		Probe Radii-2750 RBT (FW1308-091) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
WVFS7	16.00					
WVFS6	16.00					
WVFS5	16.00					
WVFS4	16.00					
WVFS3	16.00					
WVFS2	16.00					
WVFS1	16.00					
WVFCAL	16.00					
WV3FT	16.00					
WV5FT	15.00					
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
CCL\$2	7.38		Probe CCL-2750 SA (FW1307-076) Probe 2-3/4" Digital Six Magnet Logging CCL	2.66	2.75	35.00
CCL\$1	7.38					
GR	5.24		Probe GR-2750 SA (FW1307-078) Probe 2-3/4" Digital Stand Alone Gamma Ray	3.33	2.75	55.00
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00

Dataset: 0512346592_Anadarko_English Farms 8-11HZ_RBL_09-13-18_2800 PSI.db: field/well/run1/pass4.1
 Total length: 25.06 ft
 Total weight: 258.60 lb
 O.D.: 2.75 in

Calibration Report

Database File C:\ProgramData\Warrior\Data\Anadarko\0512346592_Anadarko_English Farms 8-11HZ_RBL_09-13-18\0512346592_Anadarko
 Dataset Pathname pass4.1
 Dataset Creation Thu Sep 13 09:44:21 2018

Gamma Ray Calibration Report

Serial Number: FW1307-078
 Tool Model: 2750 SA
 Performed: Sun Nov 12 06:08:32 2017
 Calibrator Value: 637.0 GAPI
 Background Reading: 108.2 cps
 Calibrator Reading: 1134.5 cps
 Sensitivity: 0.6207 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1308-091
 Tool Model: 2750 RBT
 Calibration Casing Diameter: 5.500 in
 Calibration Depth: -20.106 ft

Master Calibration, performed Thu Sep 13 06:22:32 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.381	0.800	71.921	188.796	-0.039
CAL	0.004	0.384				
5'	0.004	0.359	0.800	71.921	200.359	-0.029
SUM						
S1	0.004	0.383	0.000	100.000	263.671	-1.101
S2	0.004	0.384	0.000	100.000	262.994	-1.088
S3	0.004	0.378	0.000	100.000	267.555	-1.173
S4	0.004	0.378	0.000	100.000	267.616	-1.166
S5	0.004	0.380	0.000	100.000	265.836	-1.146
S6	0.004	0.381	0.000	100.000	265.191	-1.120
S7	0.005	0.382	0.000	100.000	264.993	-1.210
S8	0.004	0.381	0.000	100.000	265.526	-1.147

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.384	1.000	0.000

Air Zero Calibration, performed Thu Sep 13 06:22:58 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.005		0.000		-0.000	
5'	0.004		0.000		-0.000	

SUM			
S1	0.005	0.000	-0.000
S2	0.004	0.000	-0.000
S3	0.004	0.000	0.000
S4	0.004	0.000	-0.000
S5	0.004	0.000	0.000
S6	0.004	0.000	0.000
S7	0.005	0.000	0.000
S8	0.005	0.000	-0.000

Temperature Calibration Report

Serial Number: FW1308-091
 Tool Model: 2750 RBT
 Performed: Sun Nov 12 13:50:54 2017

	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 Kerr-McGee Oil & Gas Onshore, L.P.
Well English Farms 8-11HZ
Field Wattenberg
County Weld
State Colorado