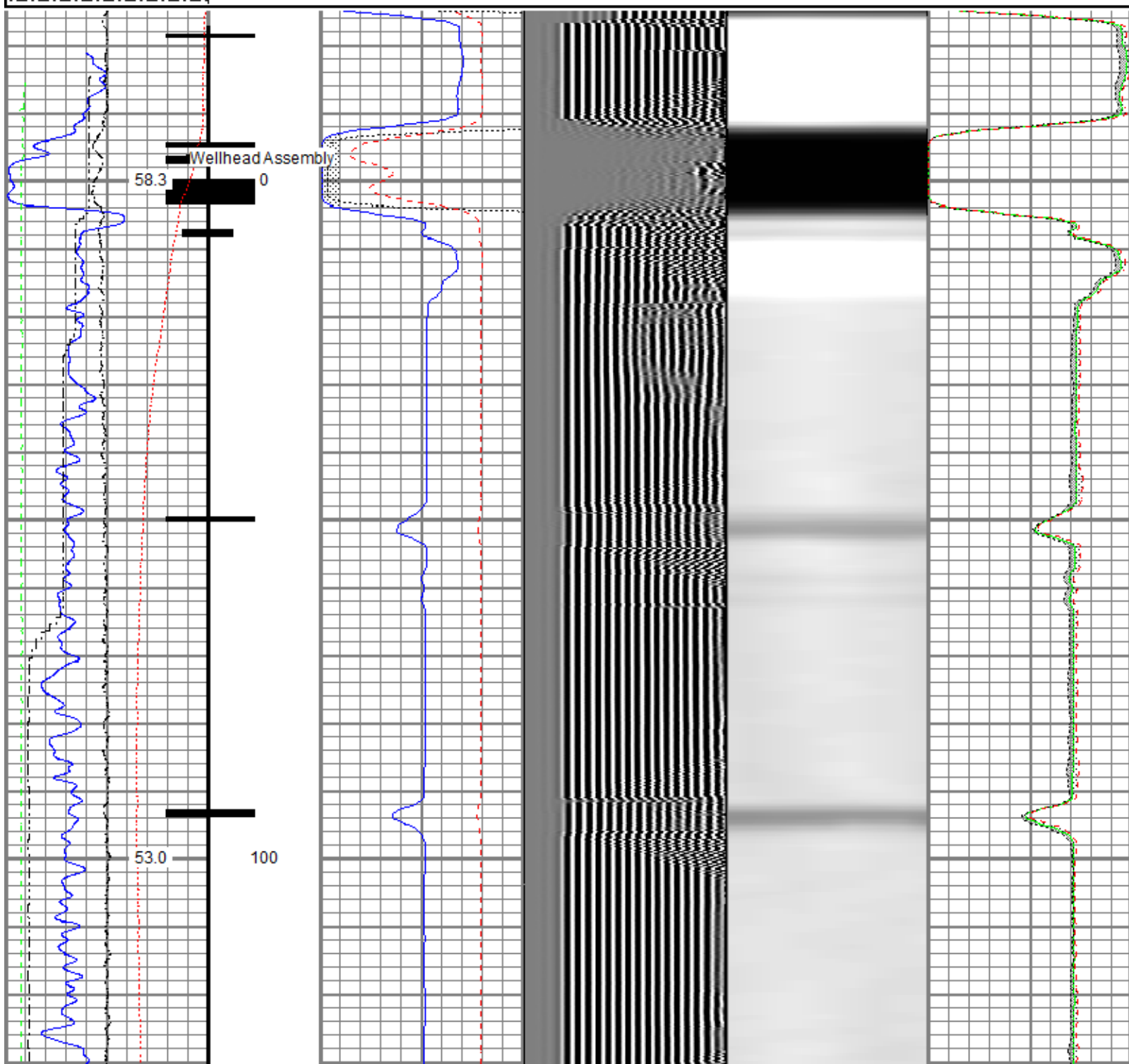
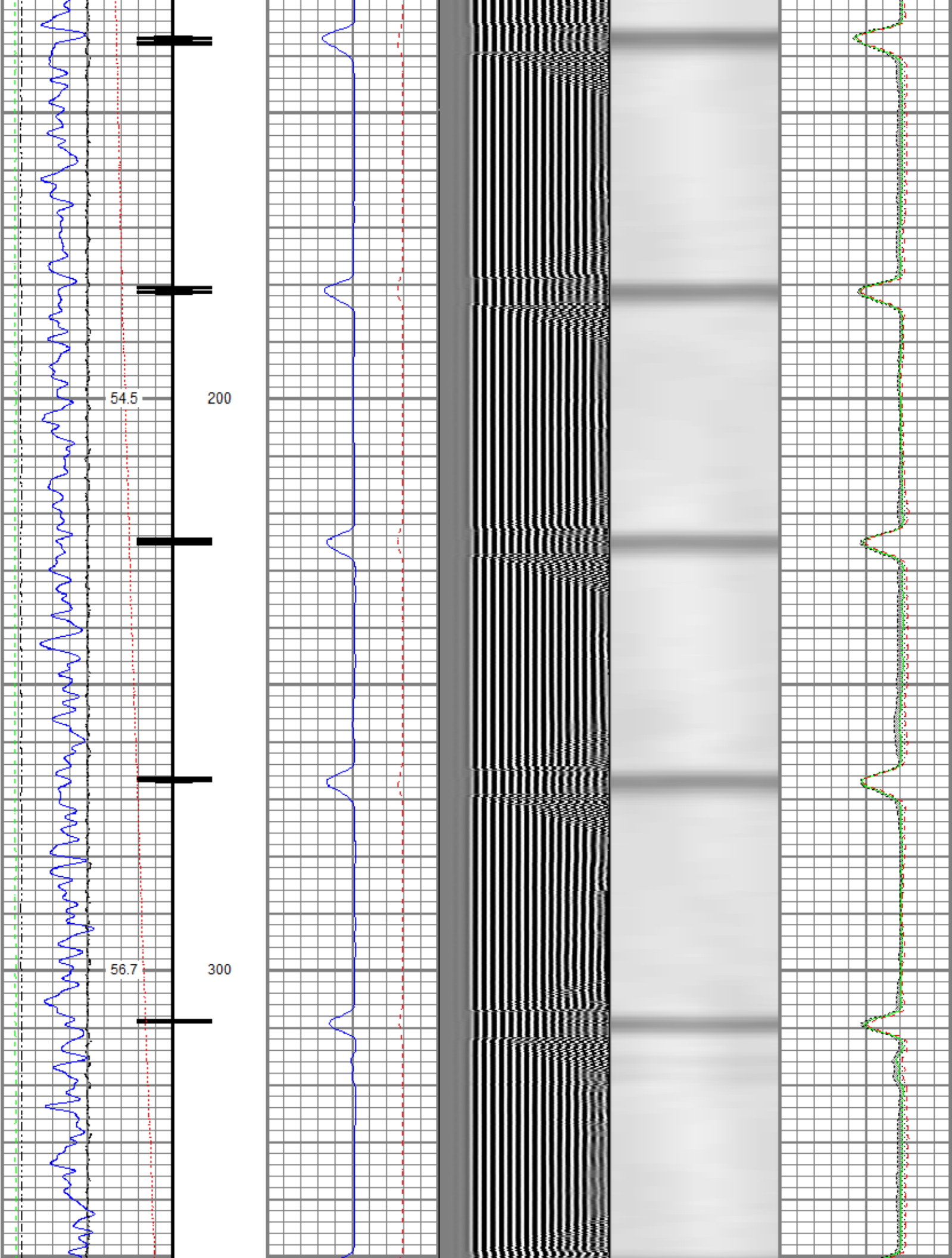


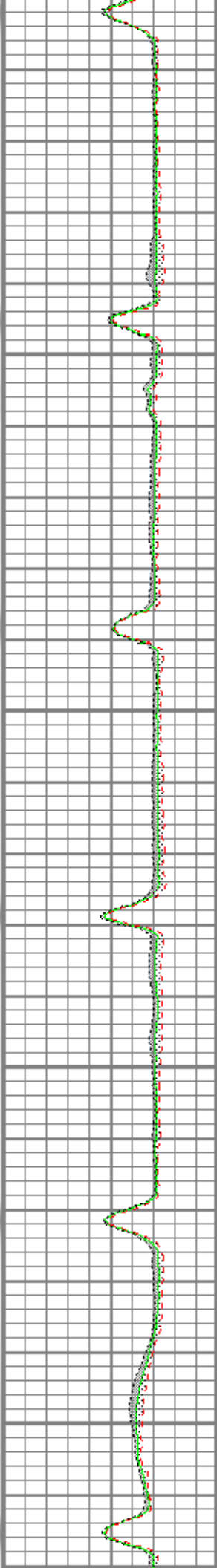
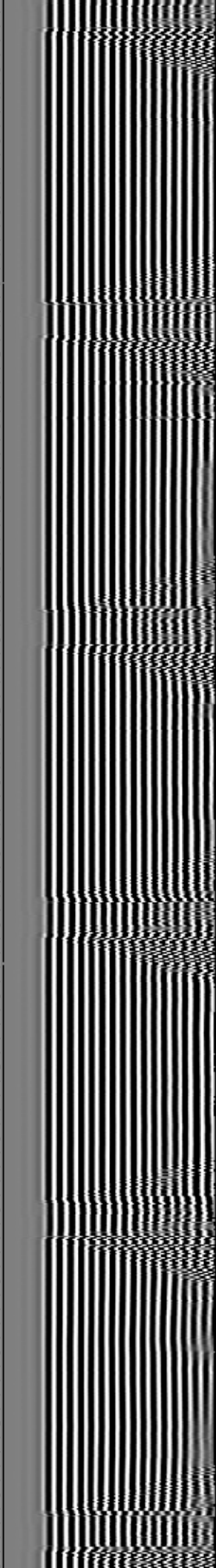
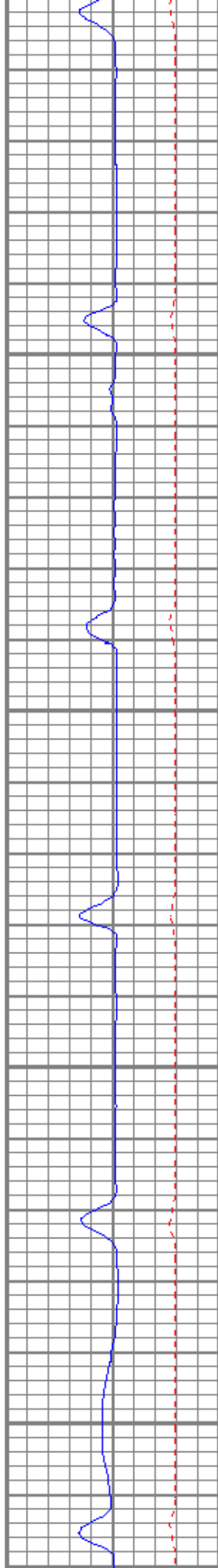
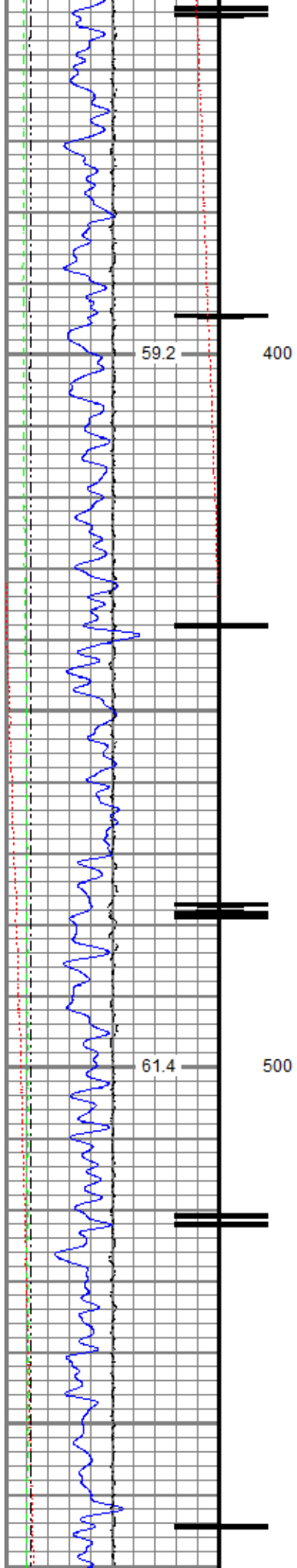
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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
<p>Log ran as per customer request Depth referenced to Casing Tally reported Marker Joint at 6501 FT Adjusted -11 FT to correlate with Marker Joint Gauge Ring/Junk Basket ran to 7363 FT with no debris Log ran from as deep as possible in heel to surface Log ran with 2800 PSI Surface Induced Pressure Logging tools were clean and free of debris upon completion of operations</p> <p>Thank you for choosing Reliance Oilfield Services, LLC!!</p>

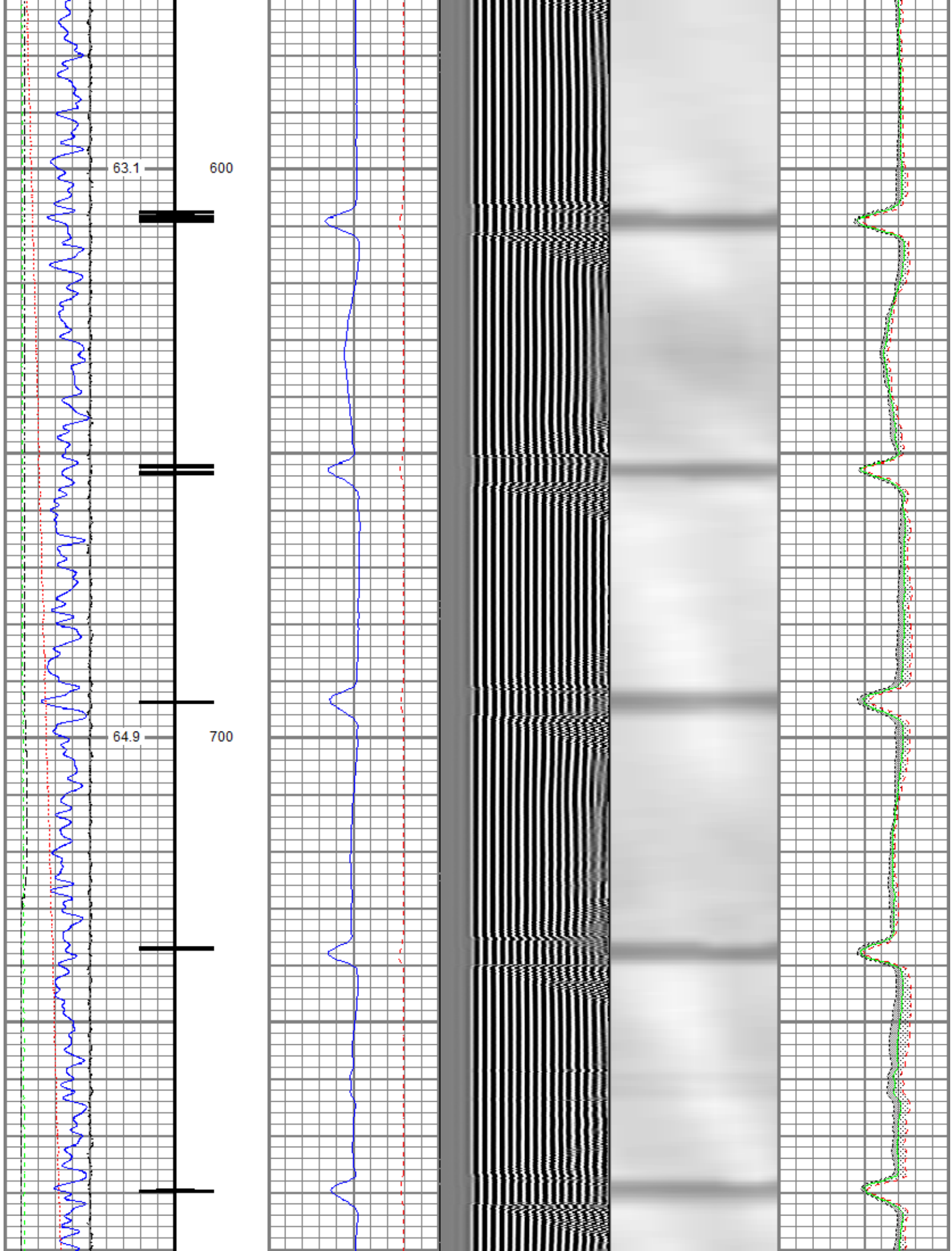
Database File	0512345858_anadarko_hergenreder 25n-4hz_rbl_04-10-18\0512345858_anadarko_hergenreder 25n-4hz_rbl_04-10-18.db
Dataset Pathname	pass13.4
Presentation Format	ros_radrii
Dataset Creation	Thu Apr 12 10:50:36 2018
Charted by	Depth in Feet scaled 1:240

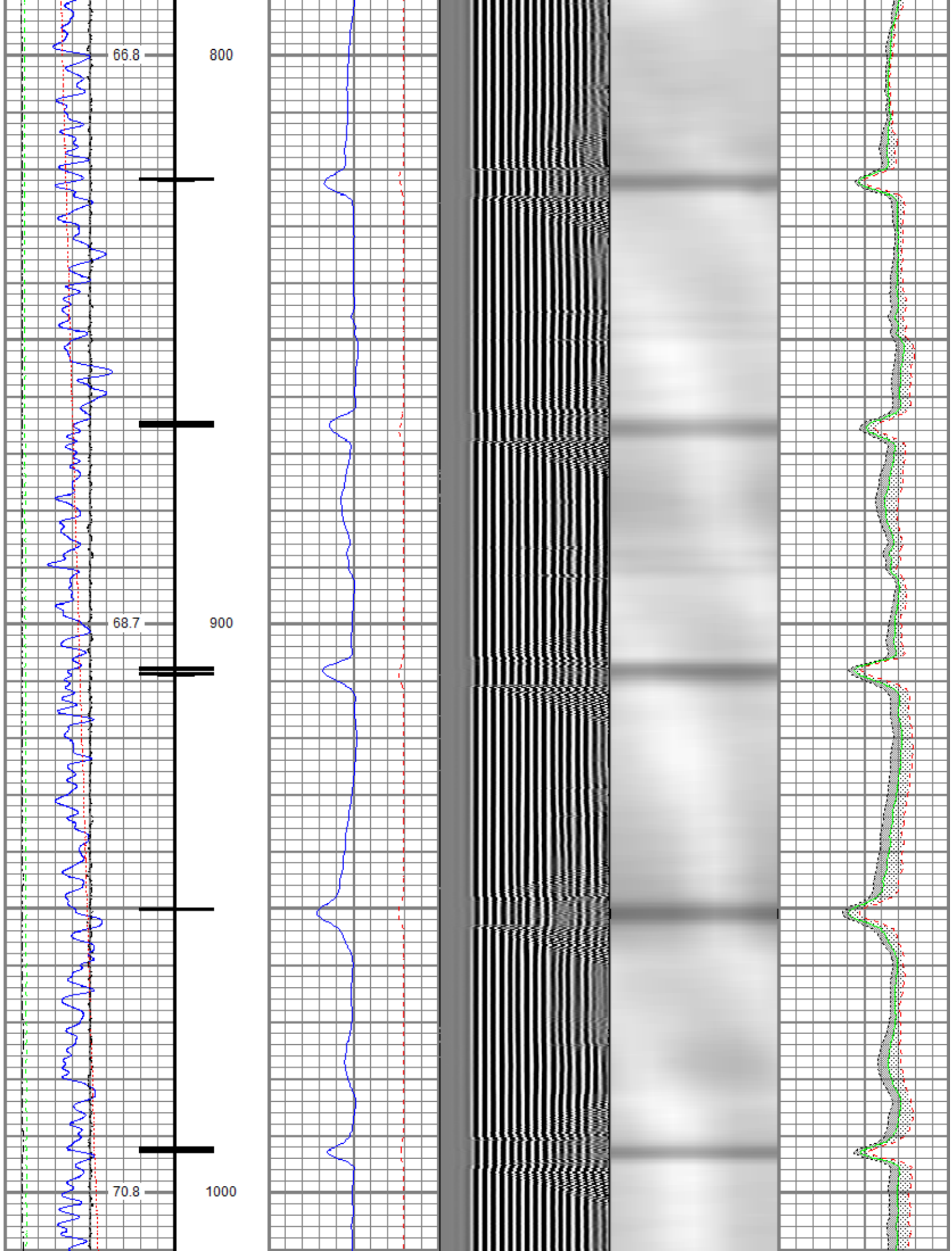
Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	1200			Minimum Amplitude	
Casing Collar Locator		0	(mV)	20			0	100
Temperature (degF)	20	3' Travel Time					Maximum Amplitude	
Line Speed		650	(usec)	150			0	100
-150 (ft/min)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

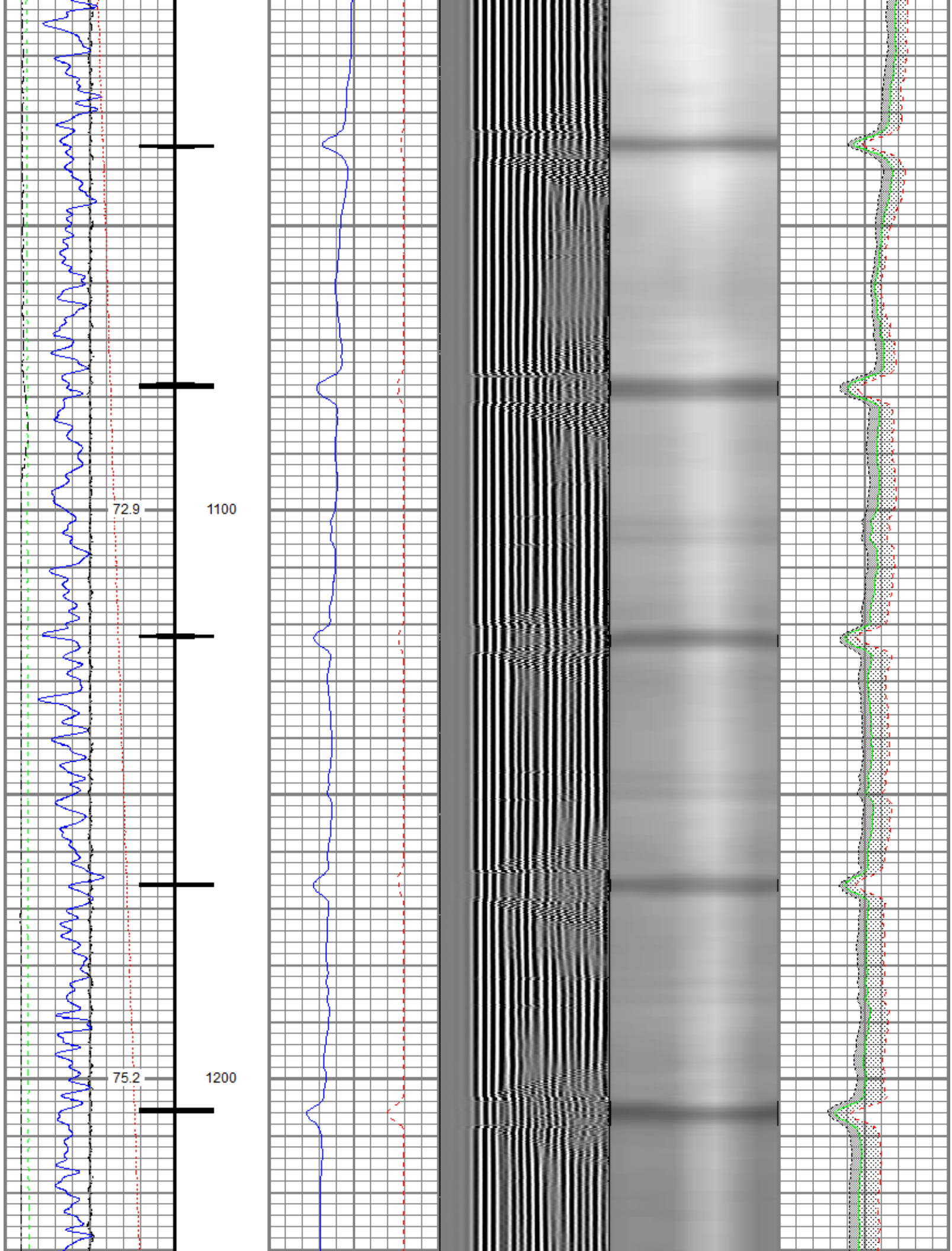


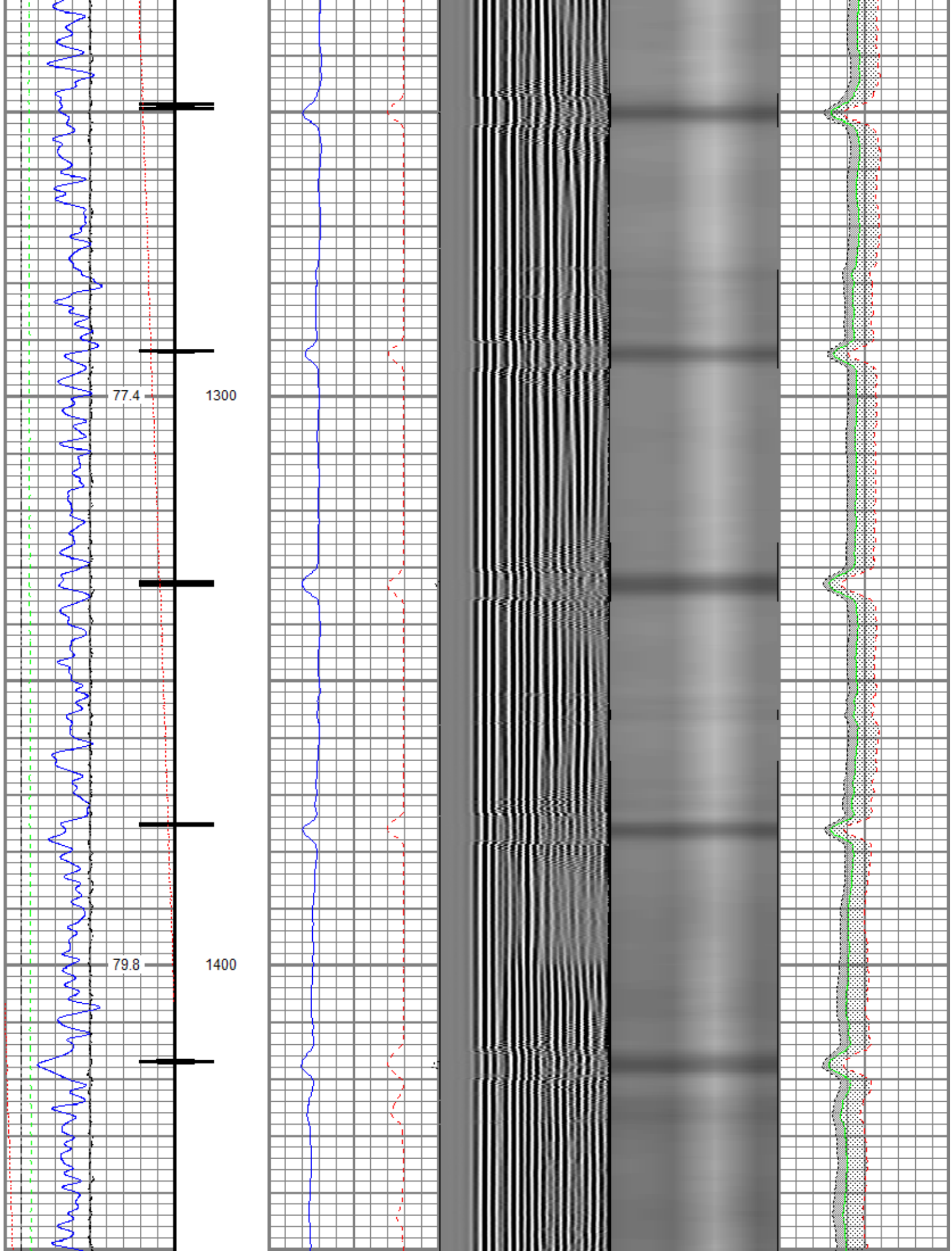


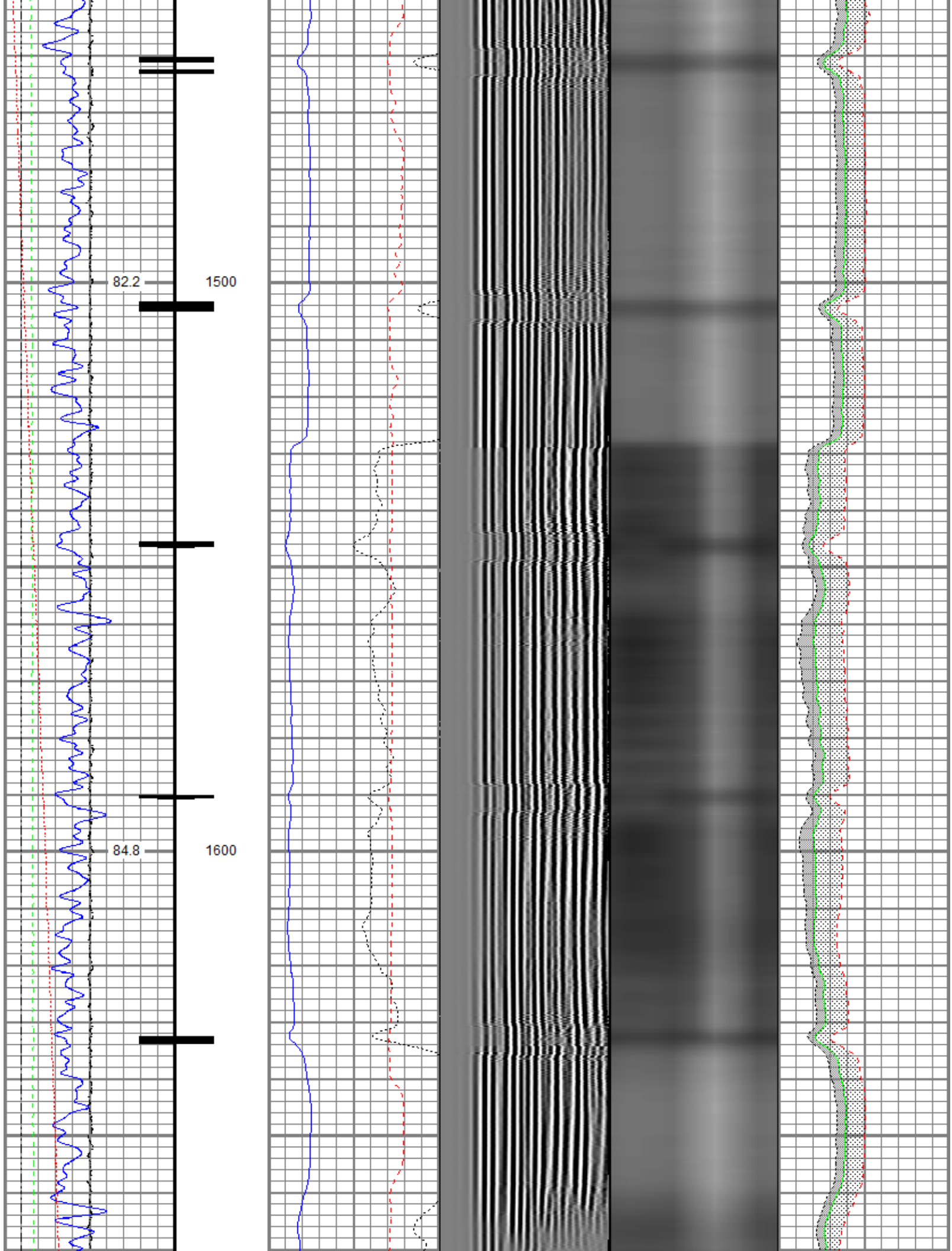


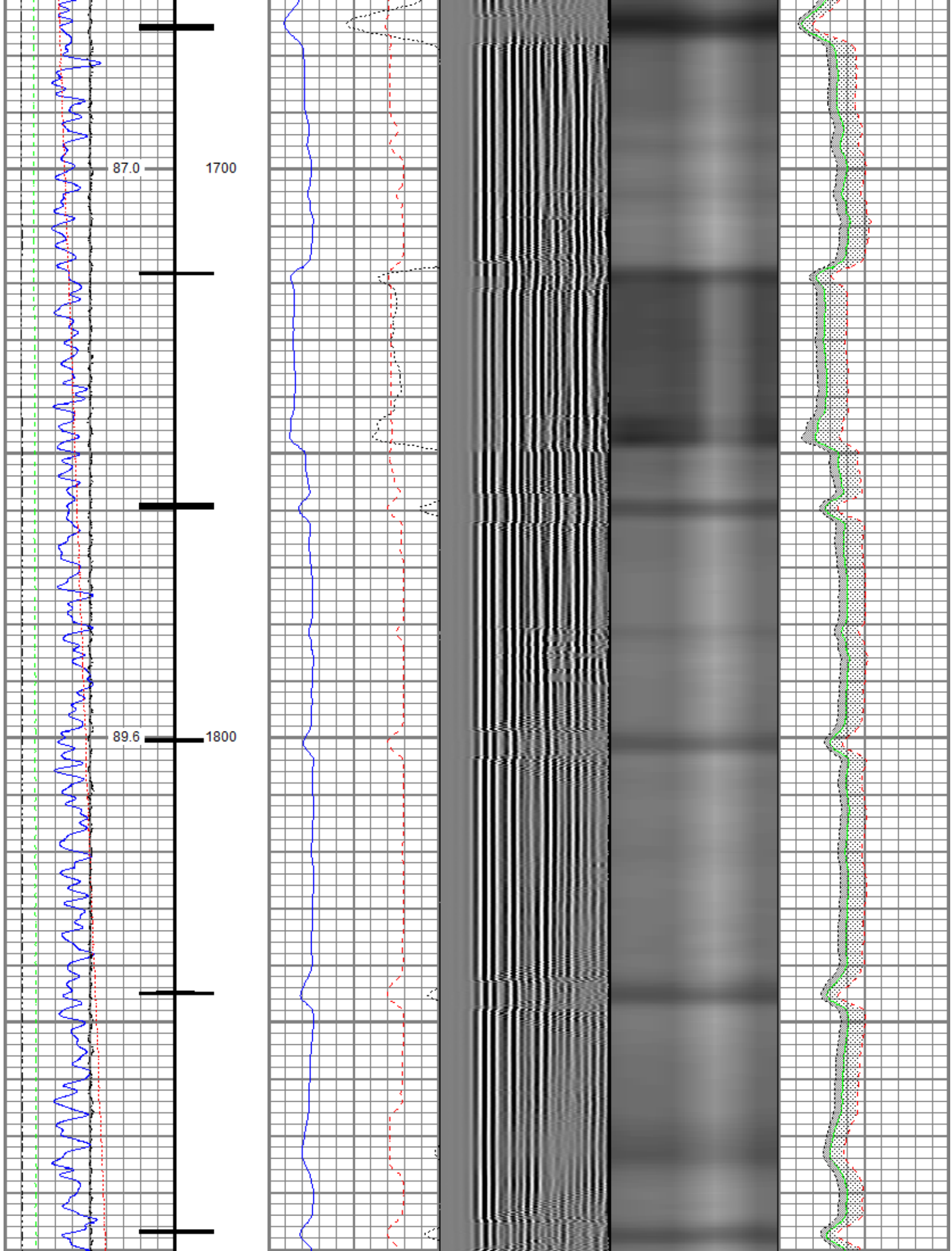


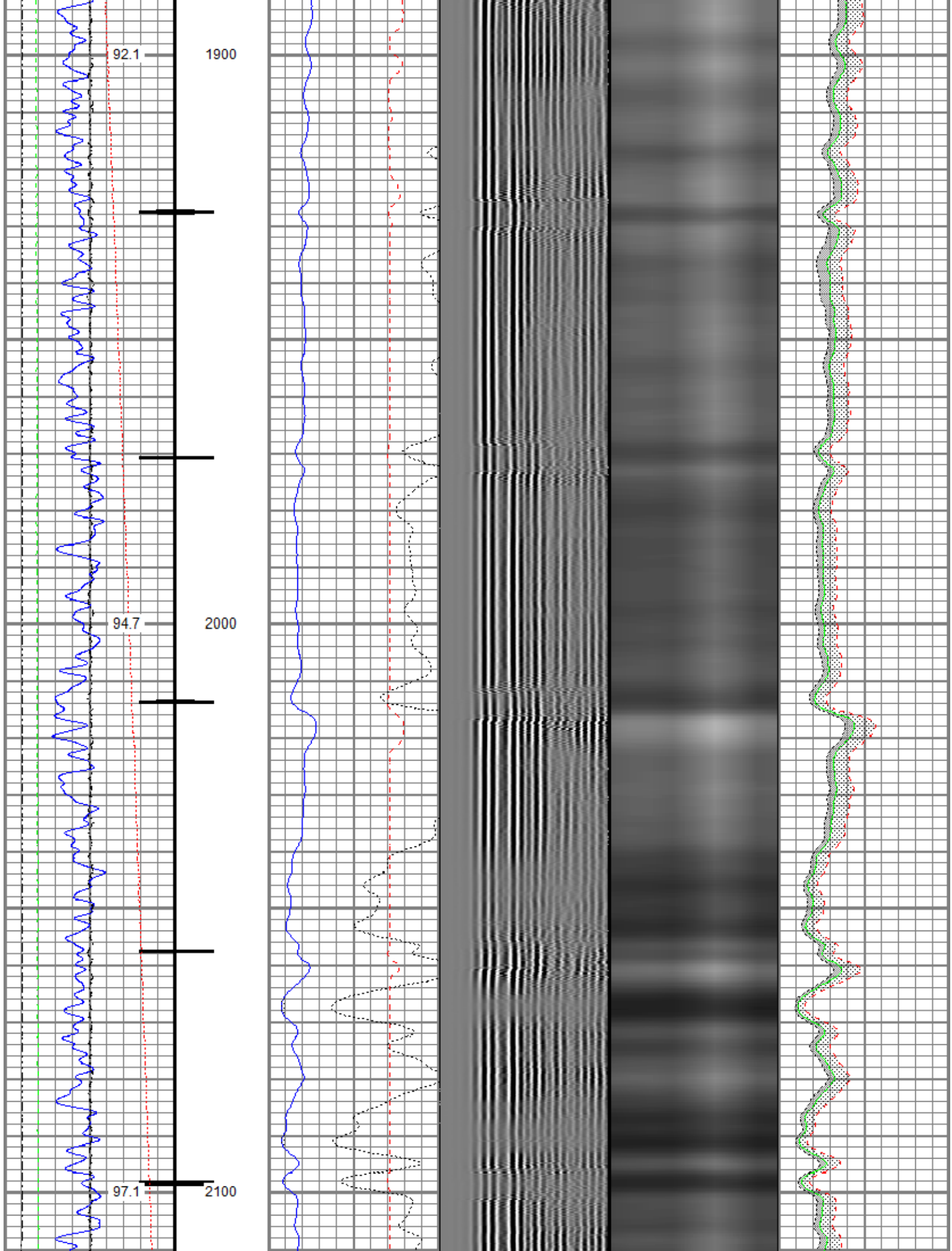


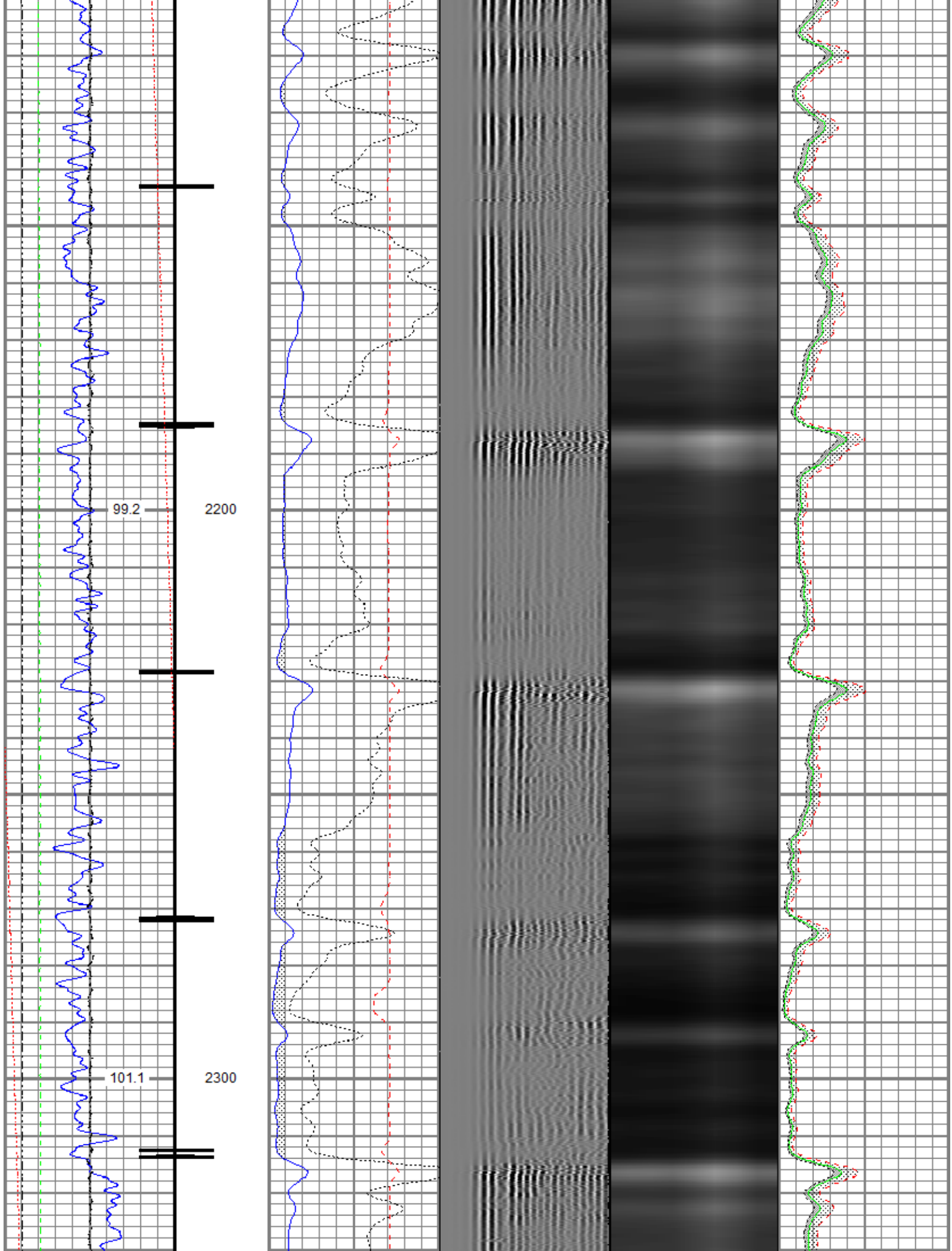


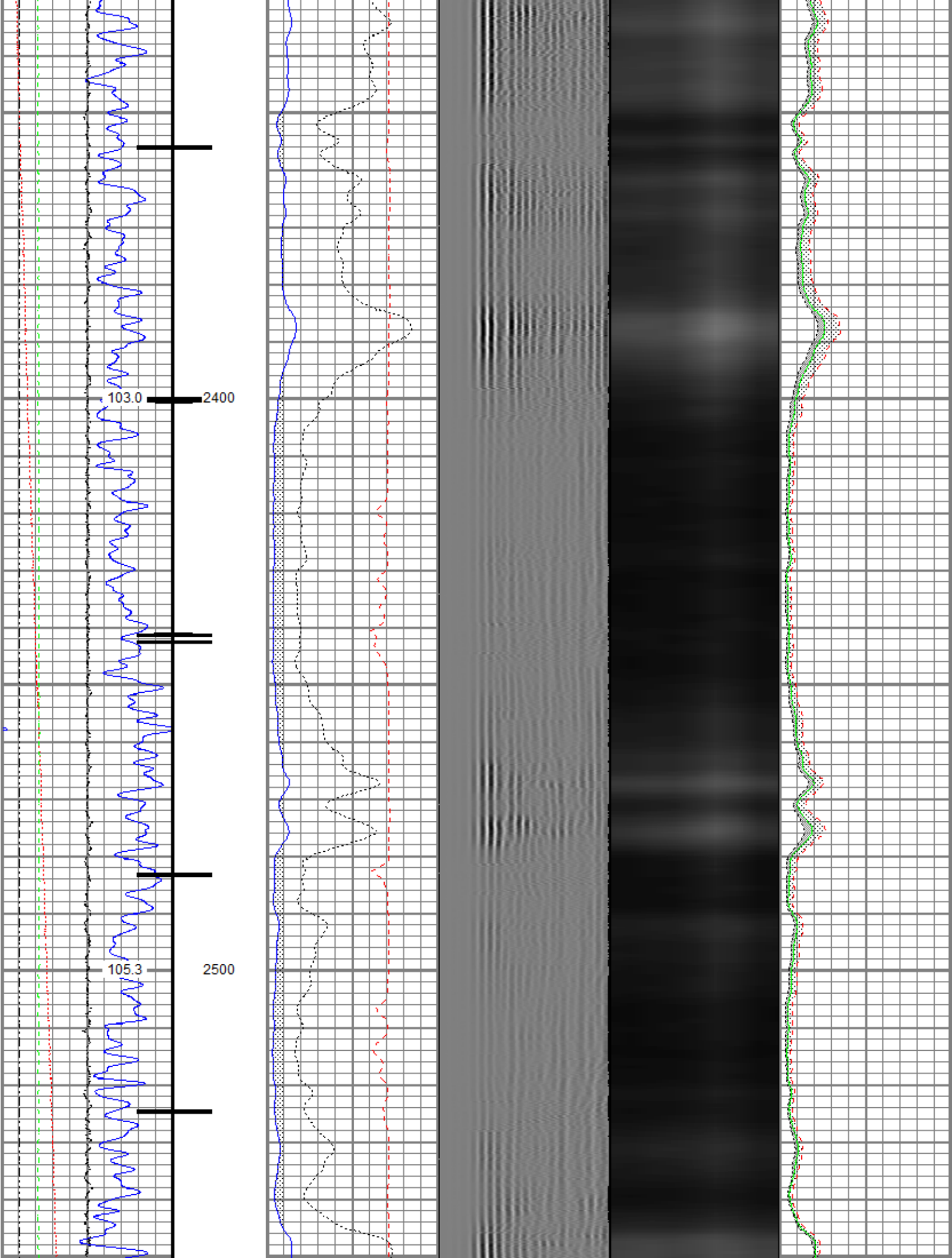


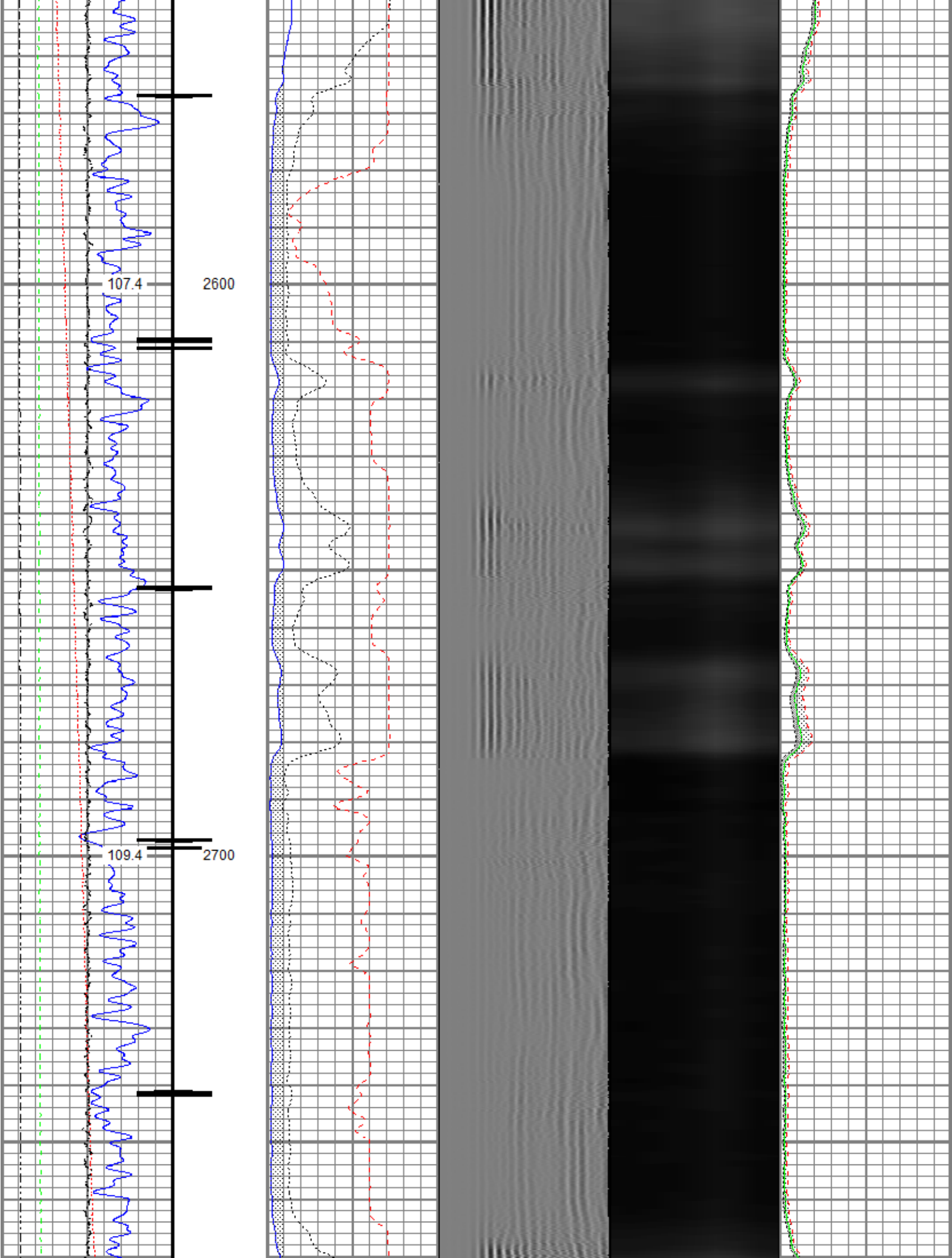


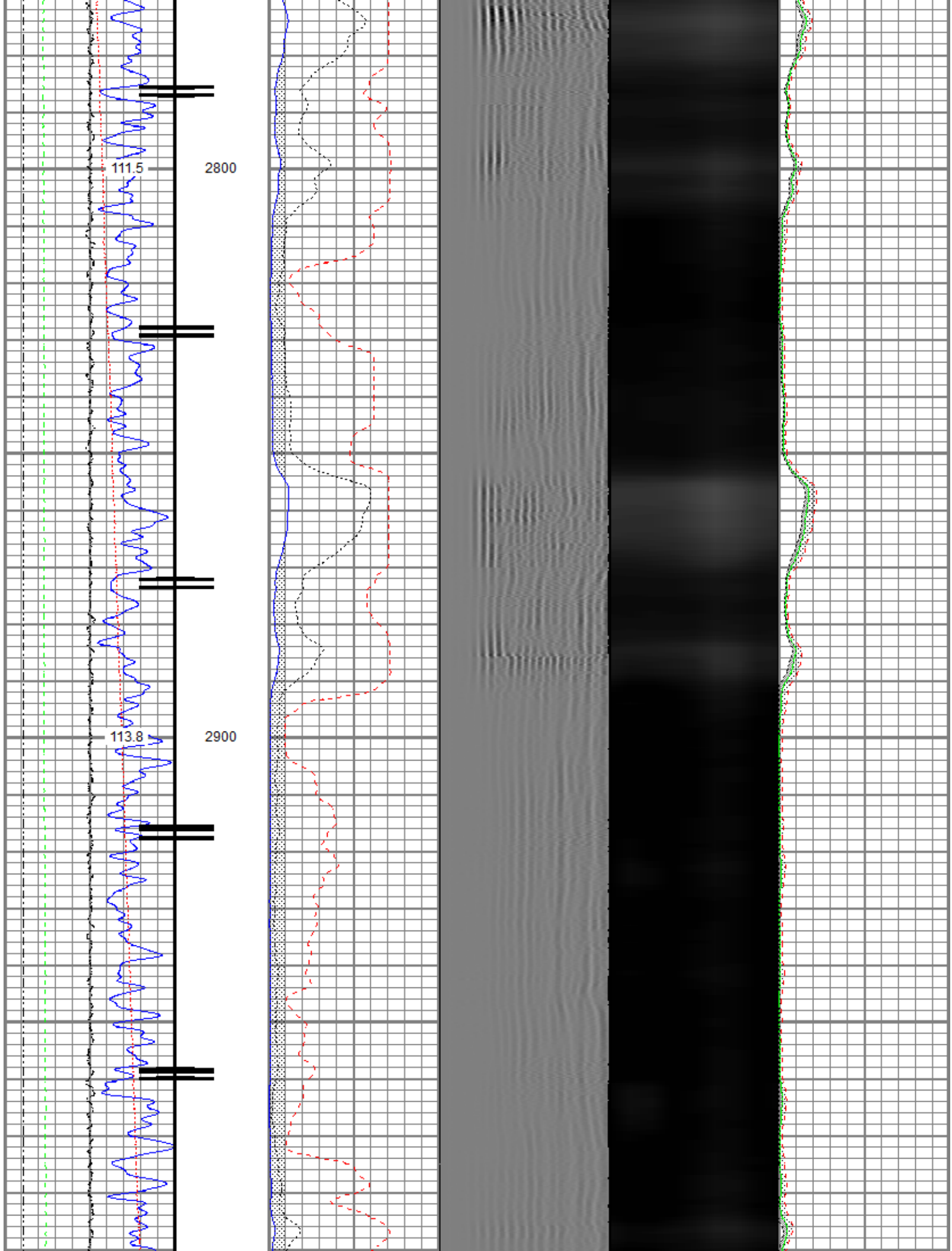


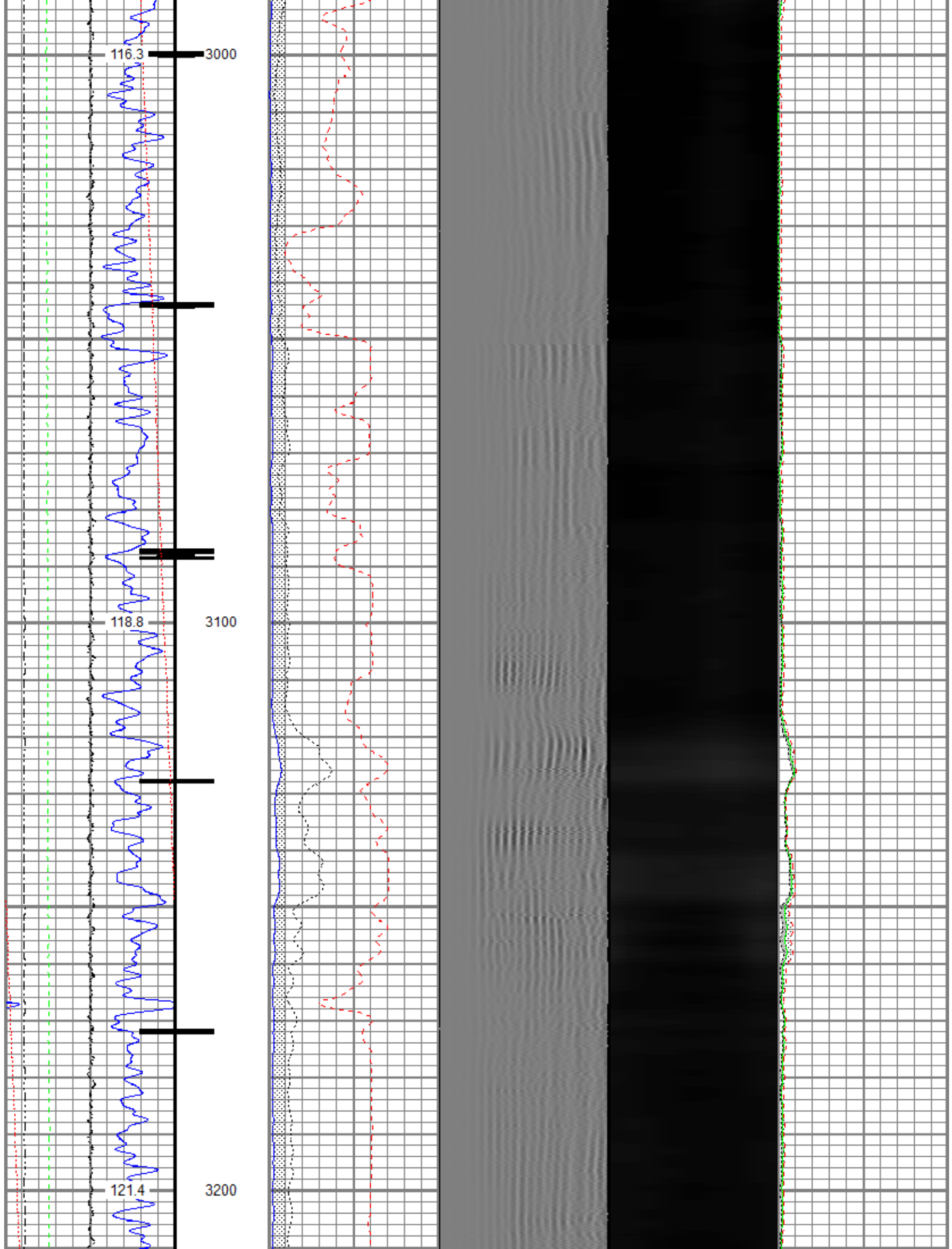


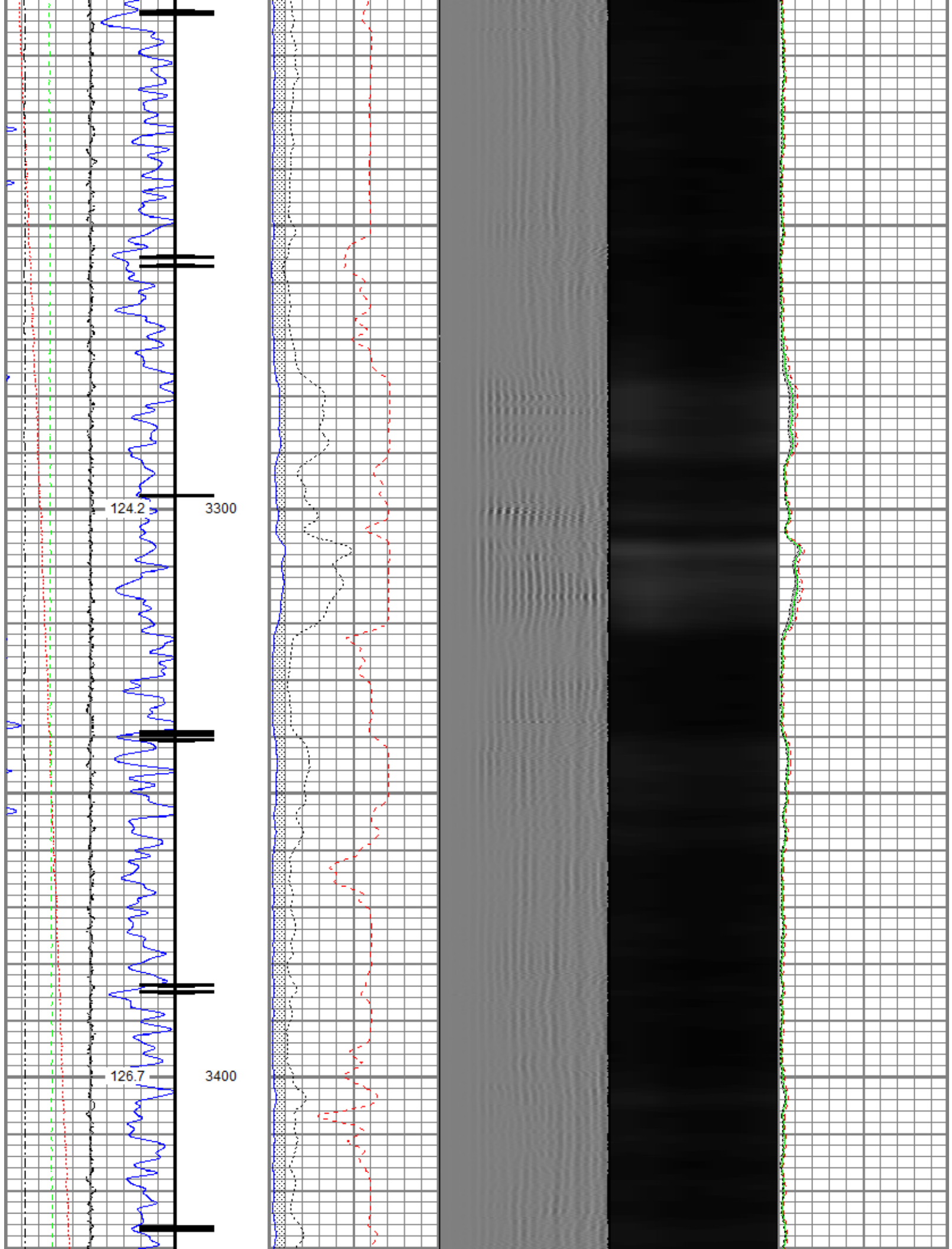


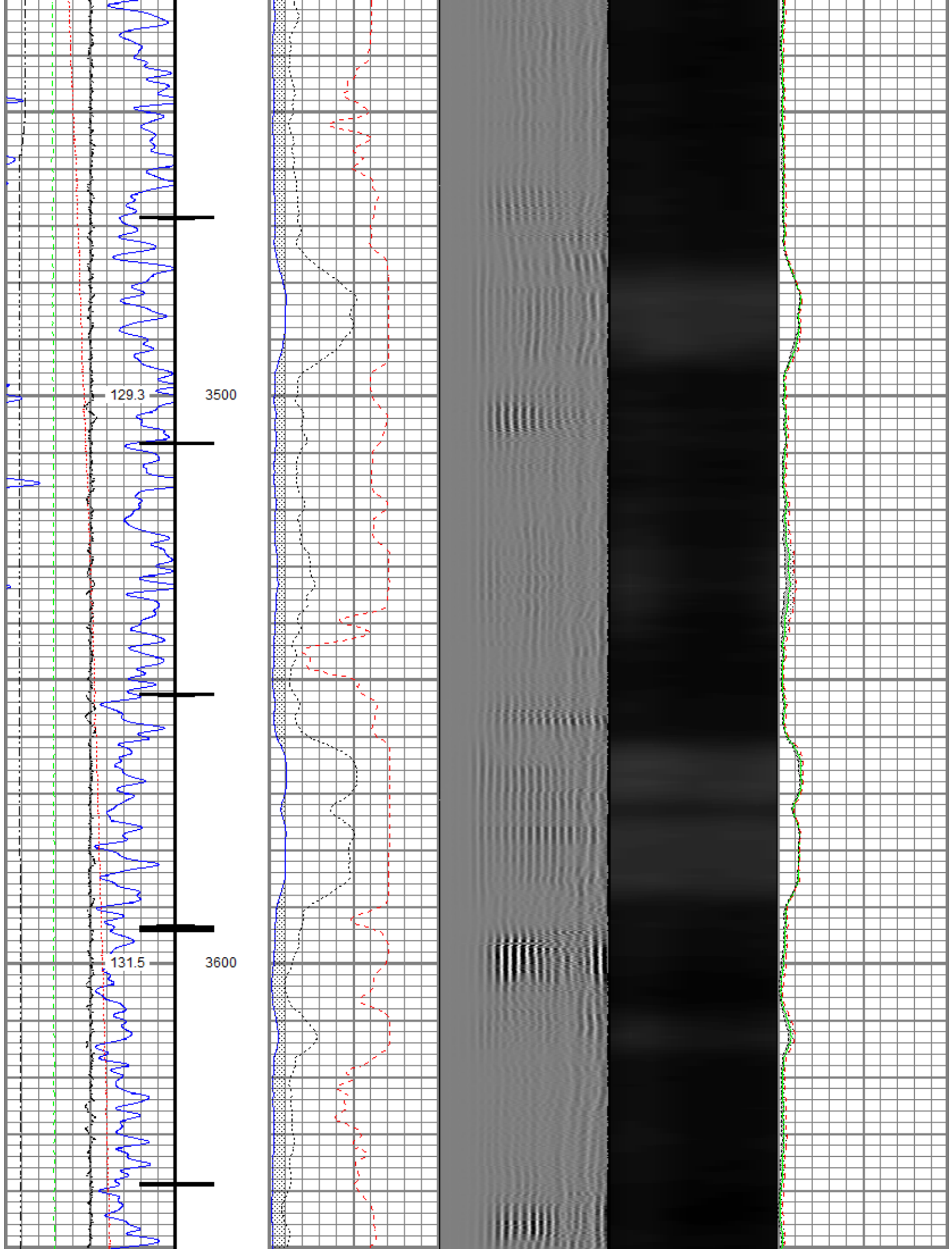


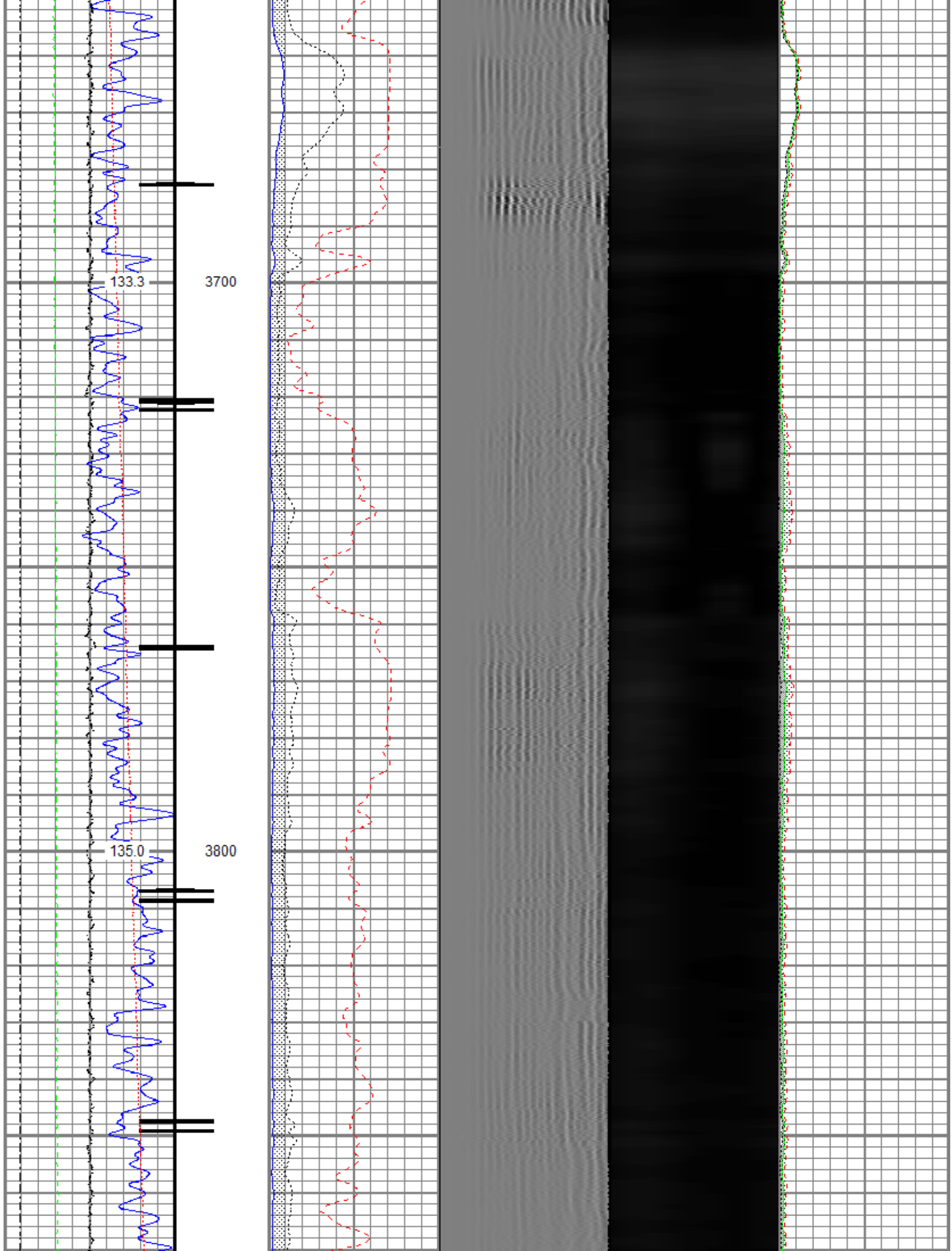


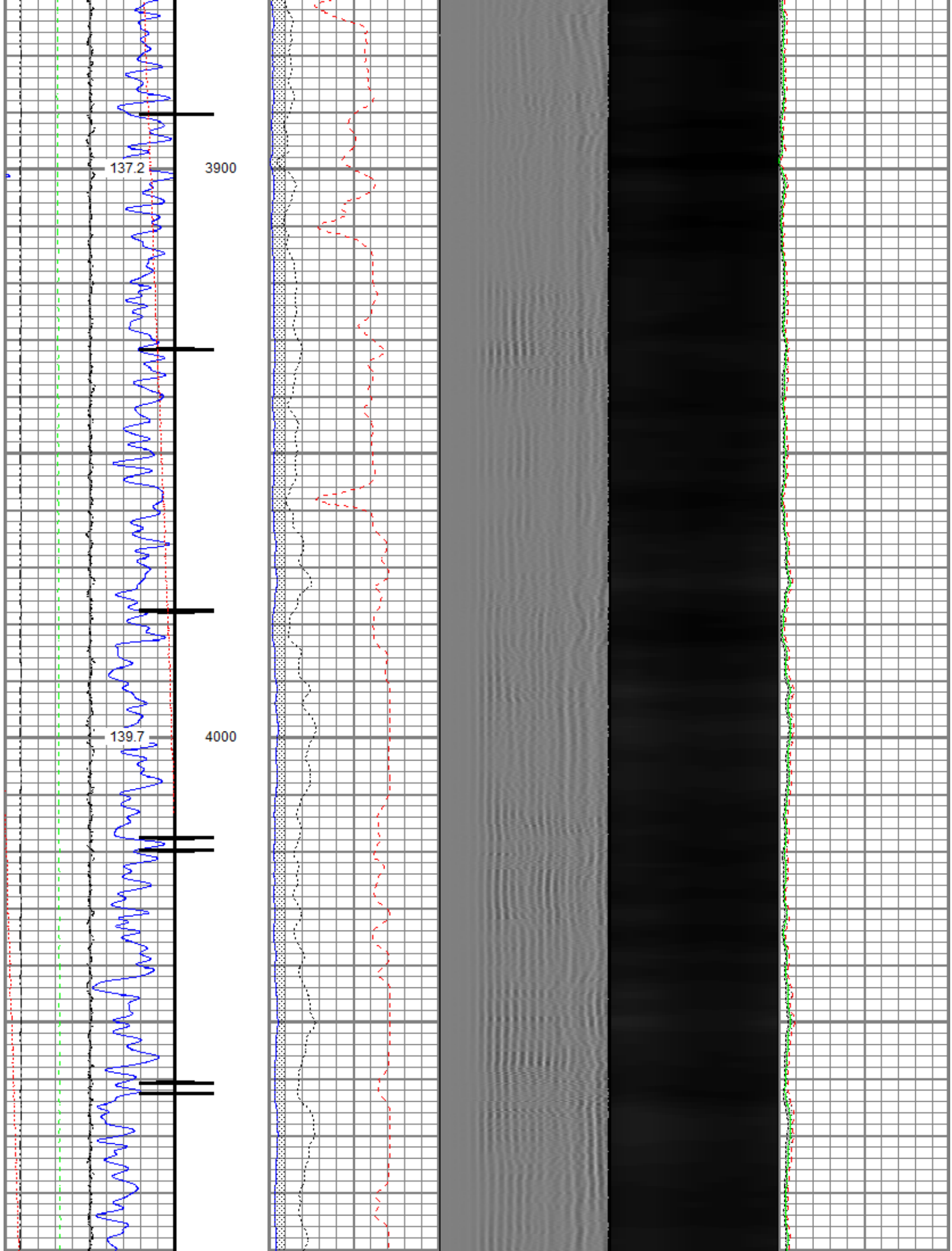


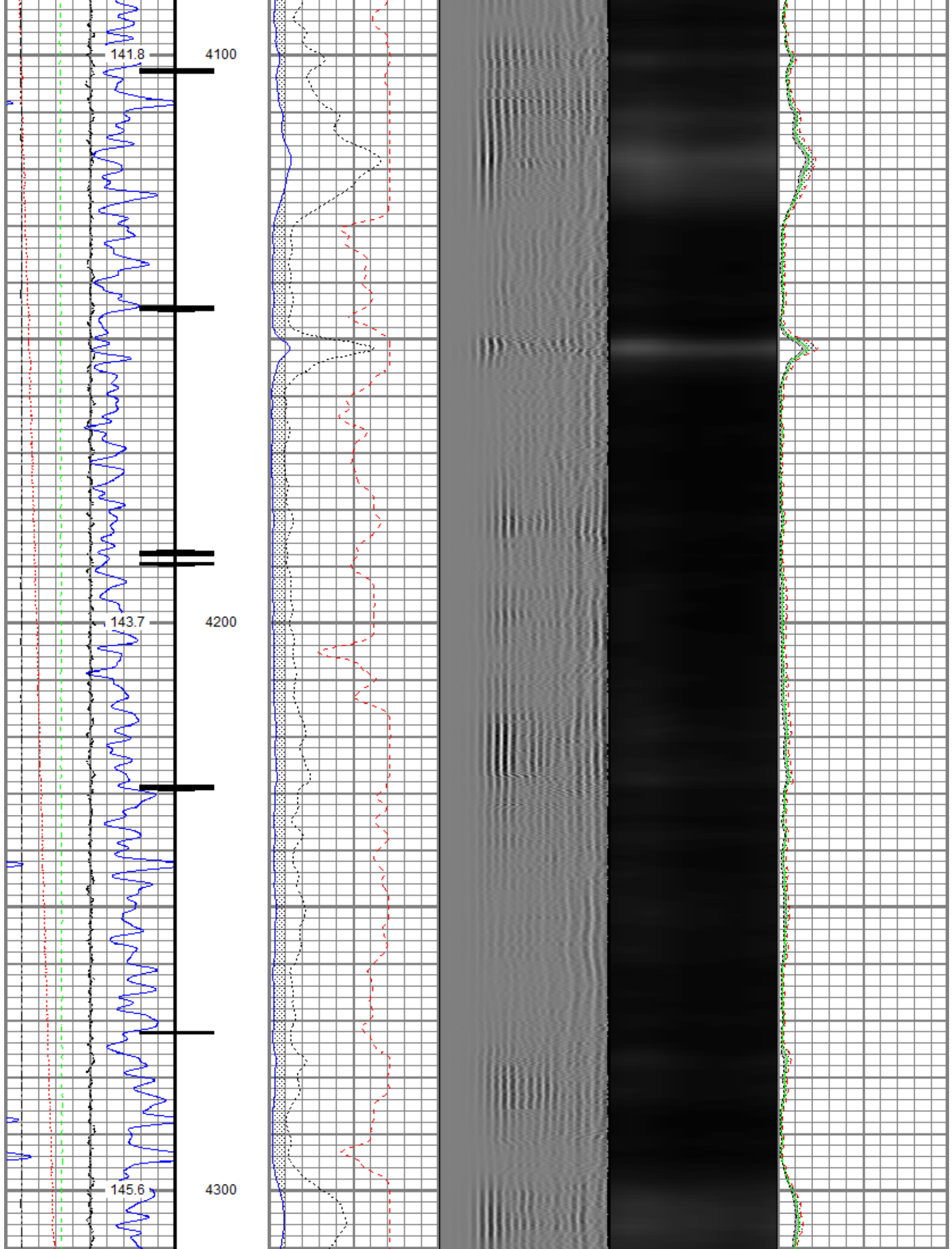


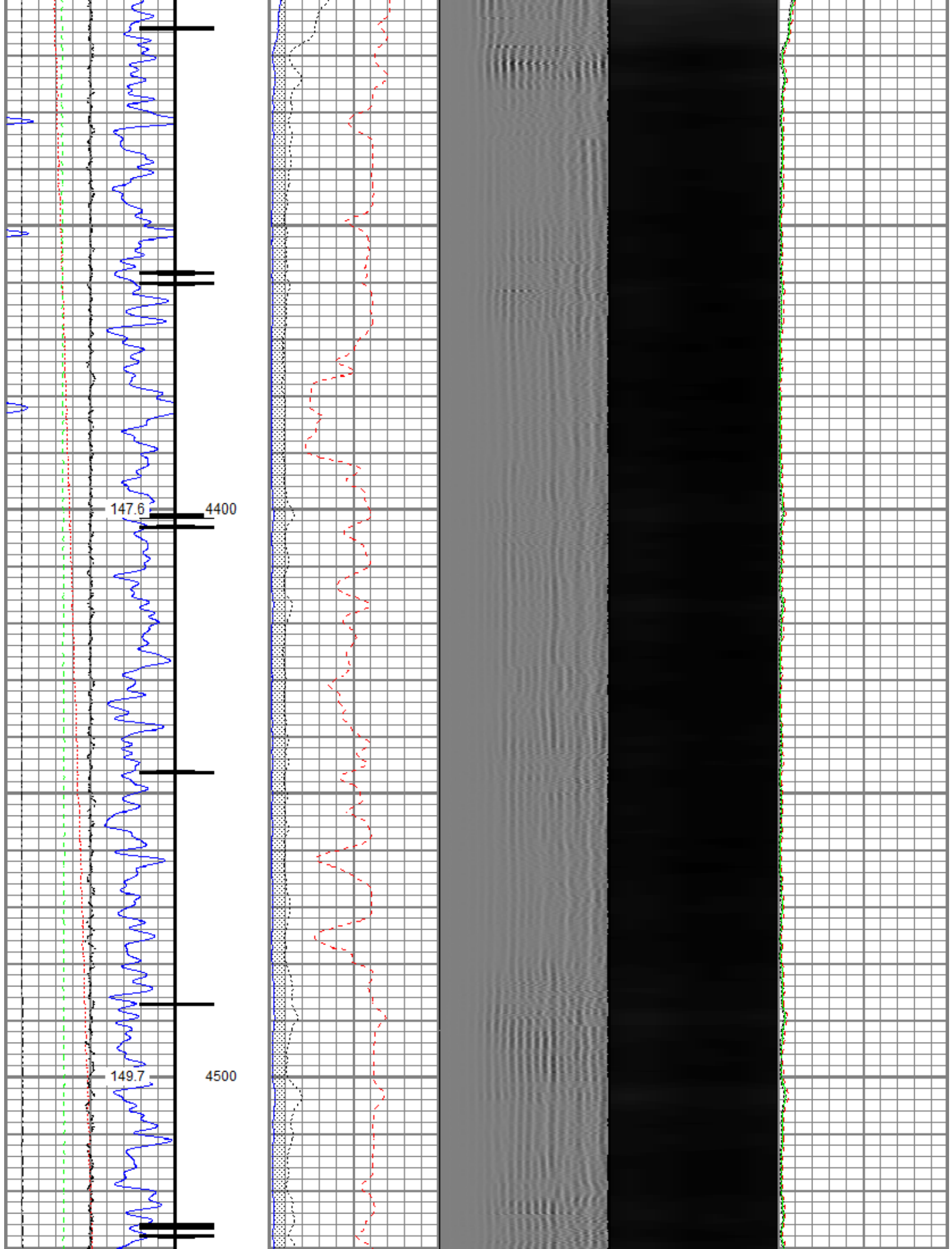


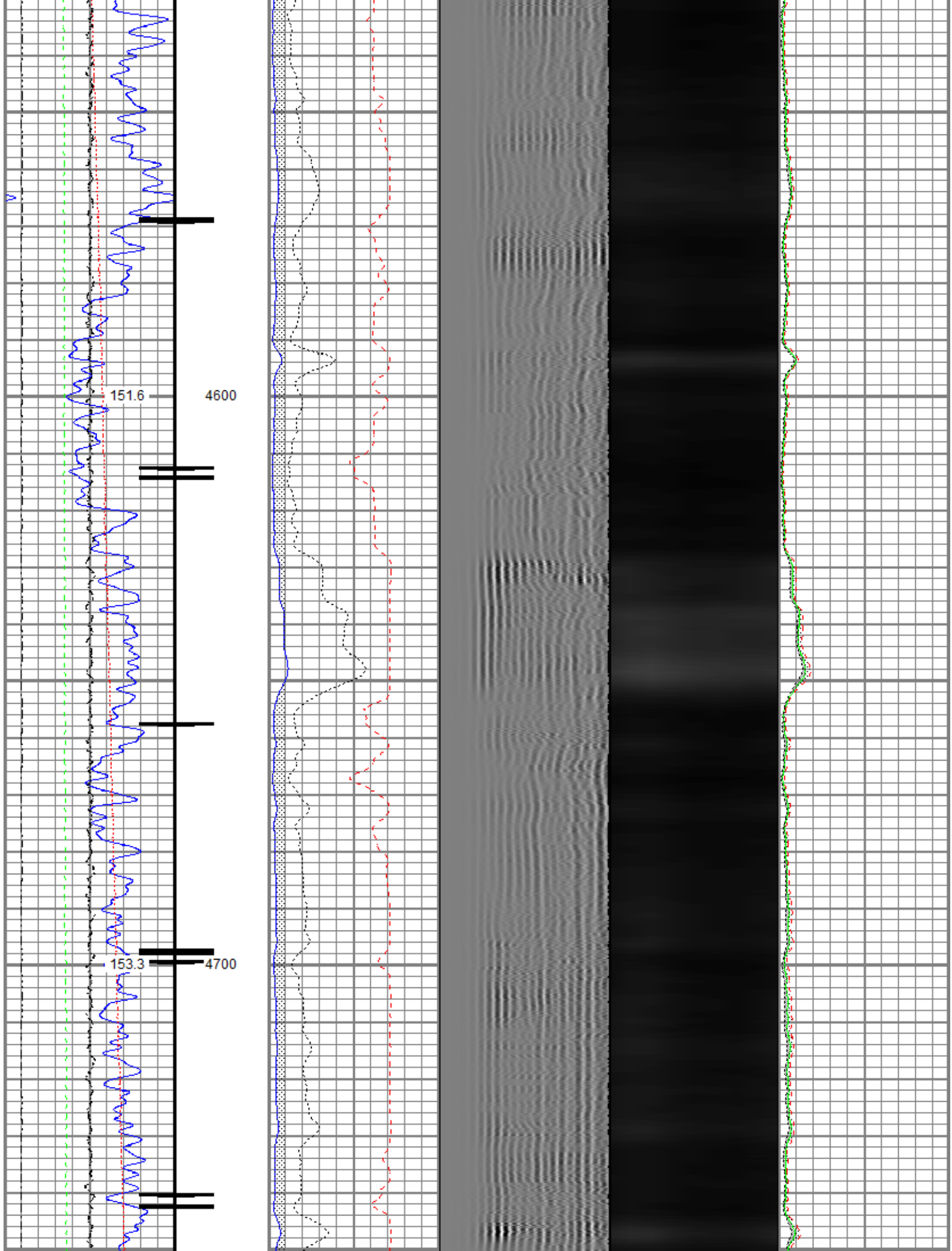


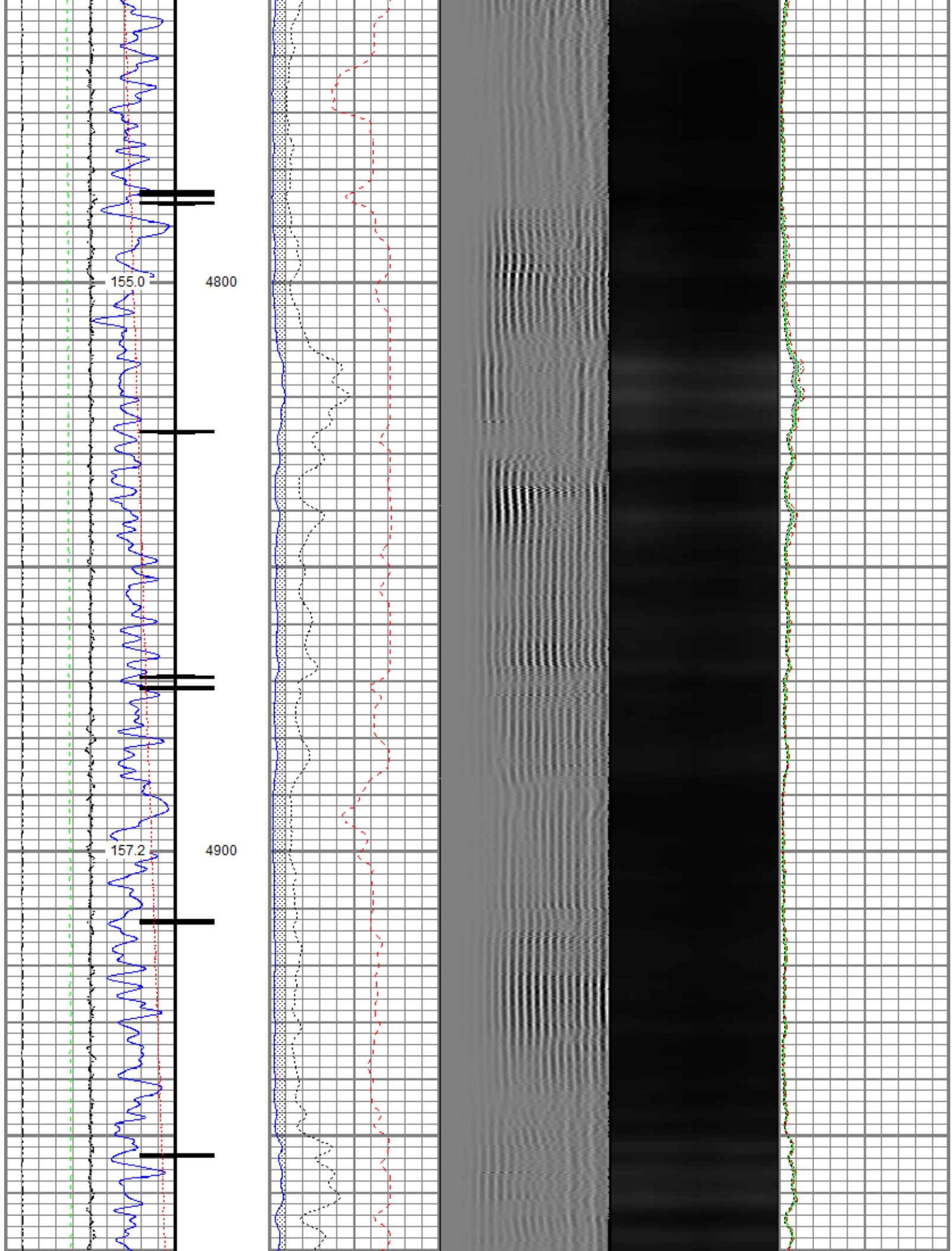


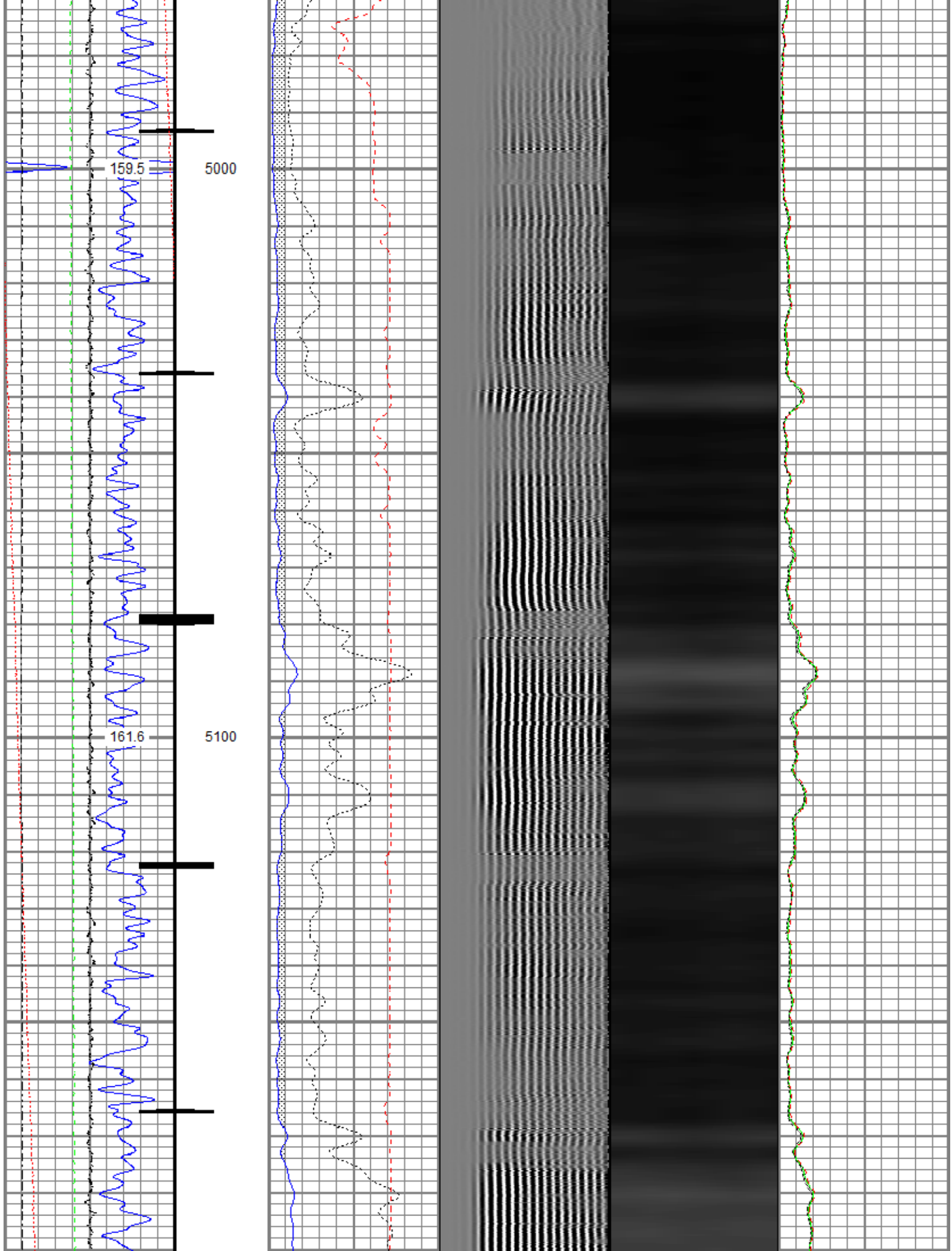


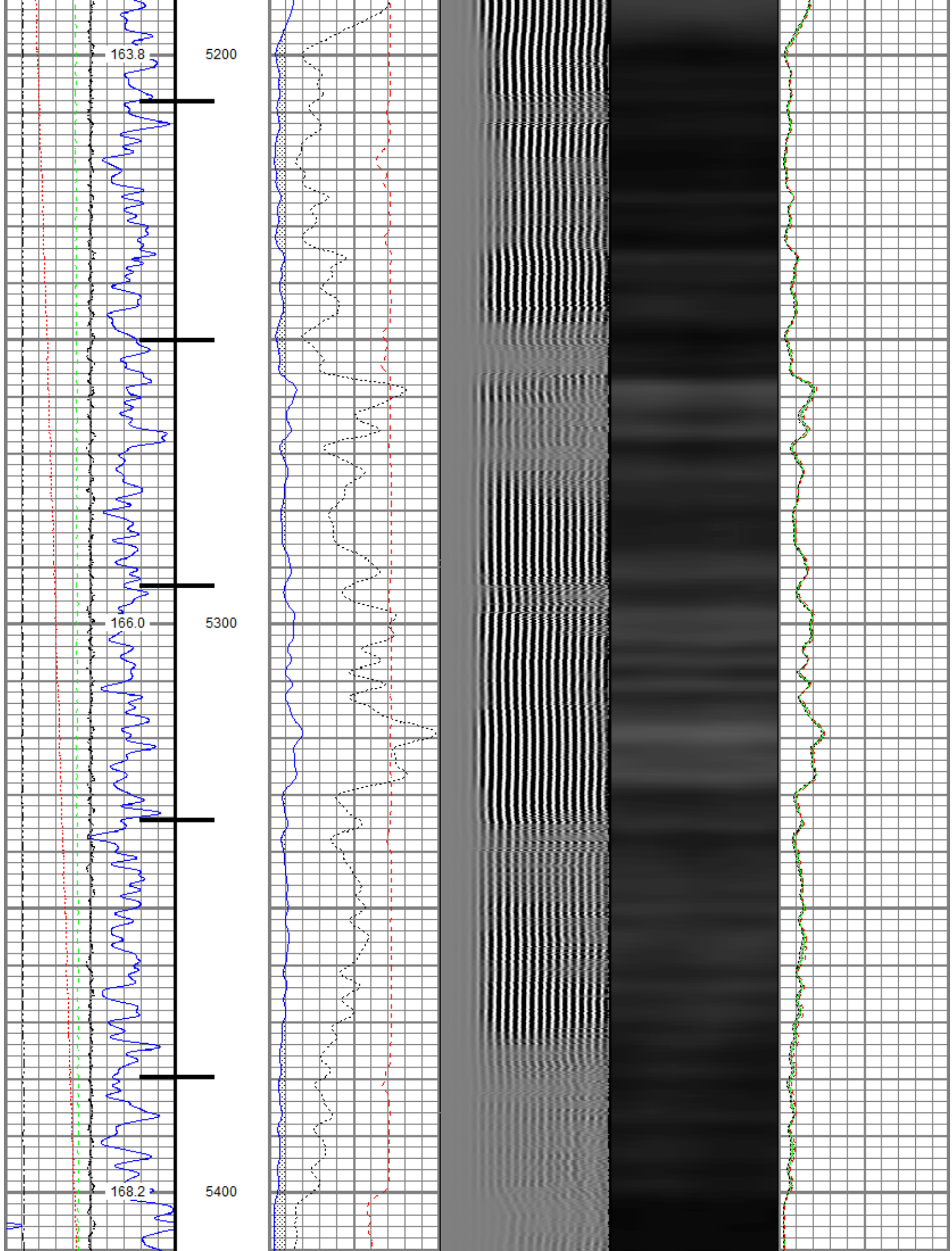


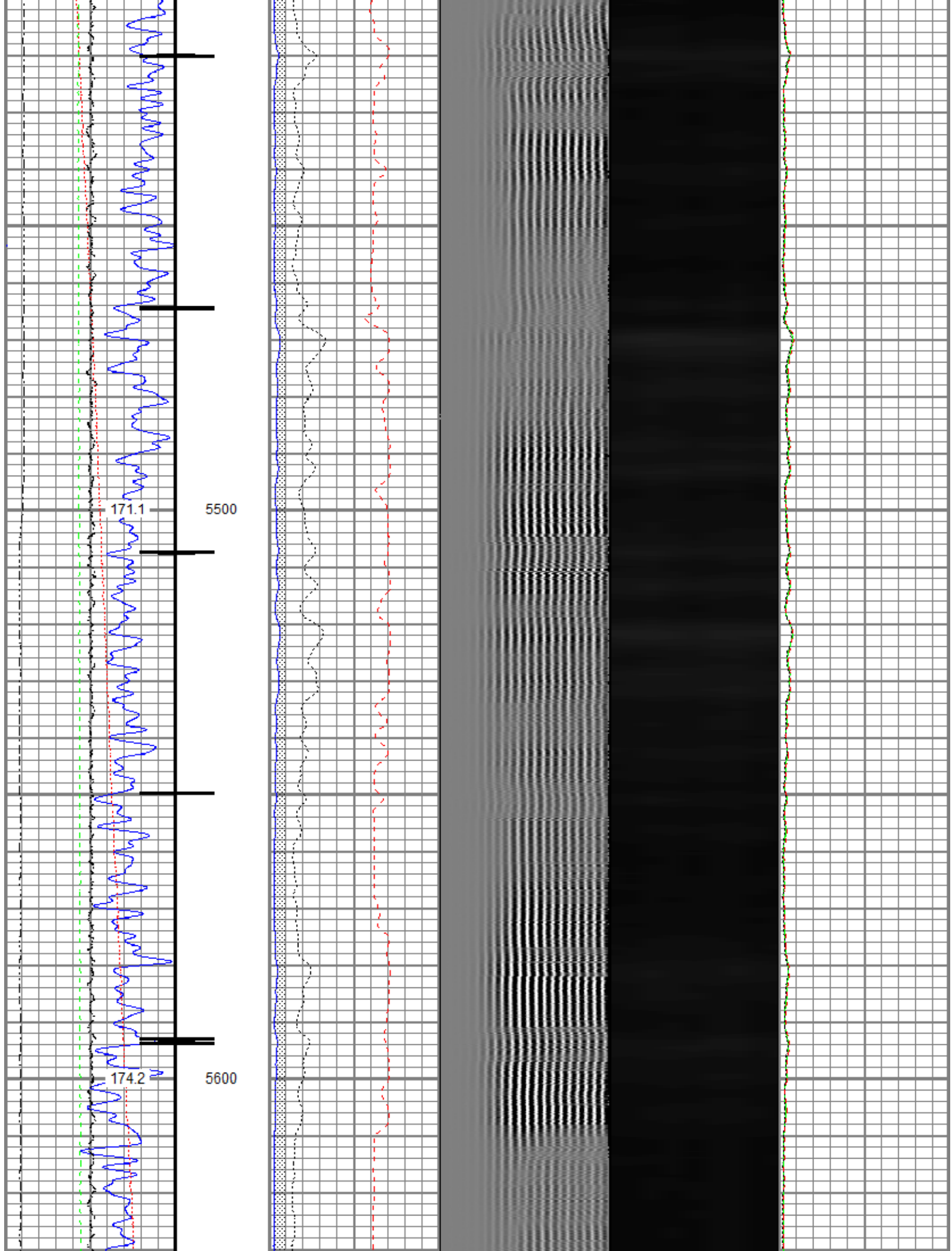


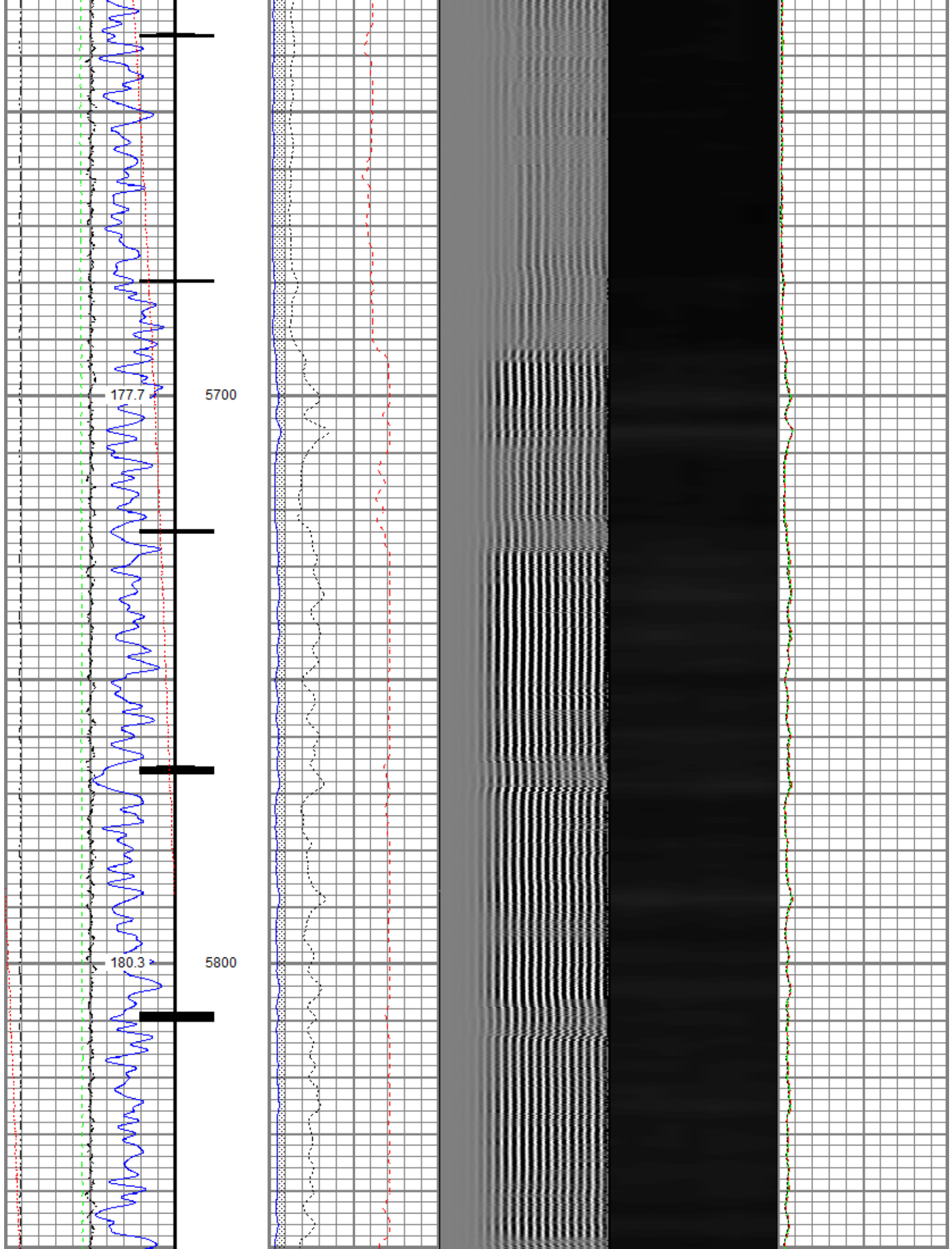


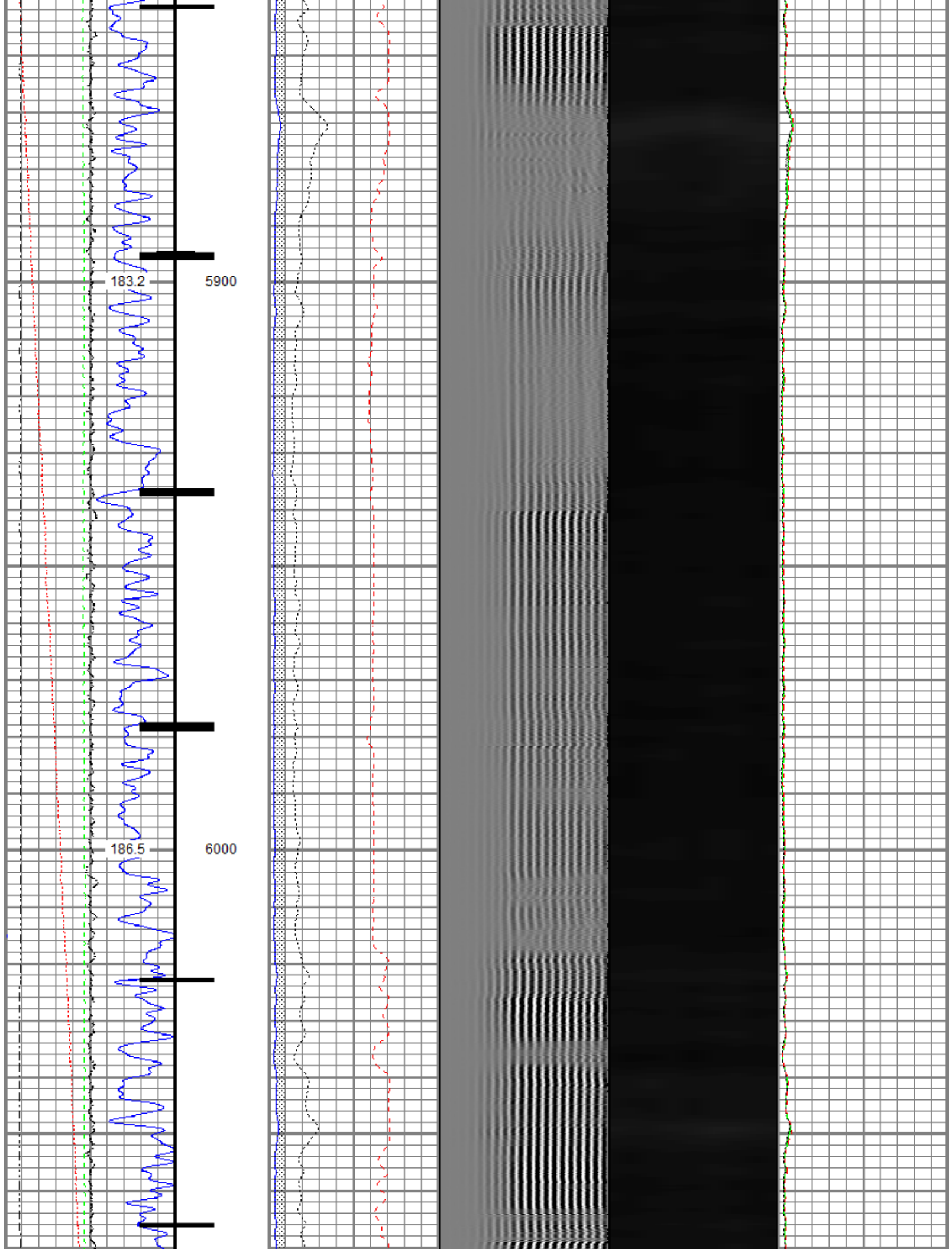


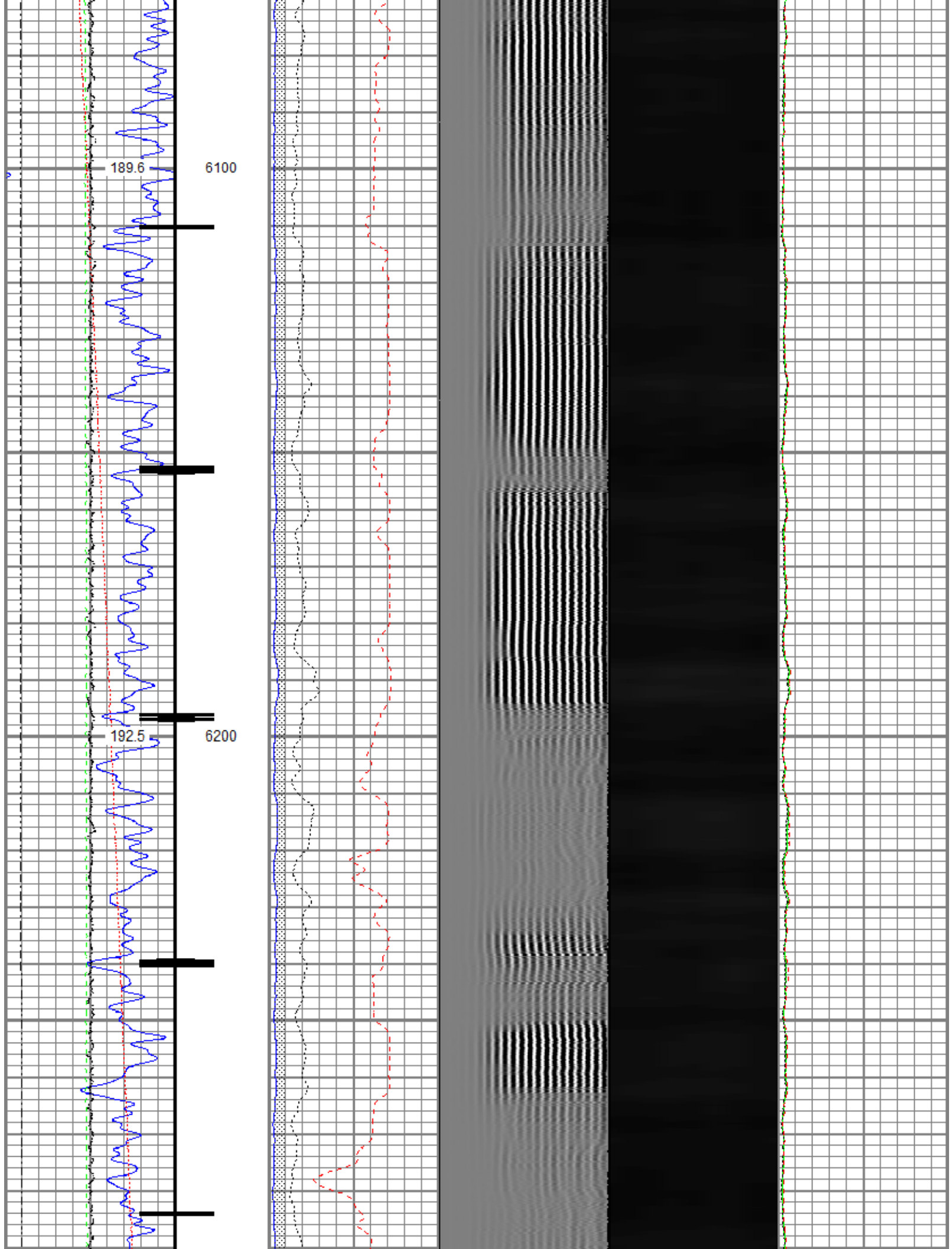


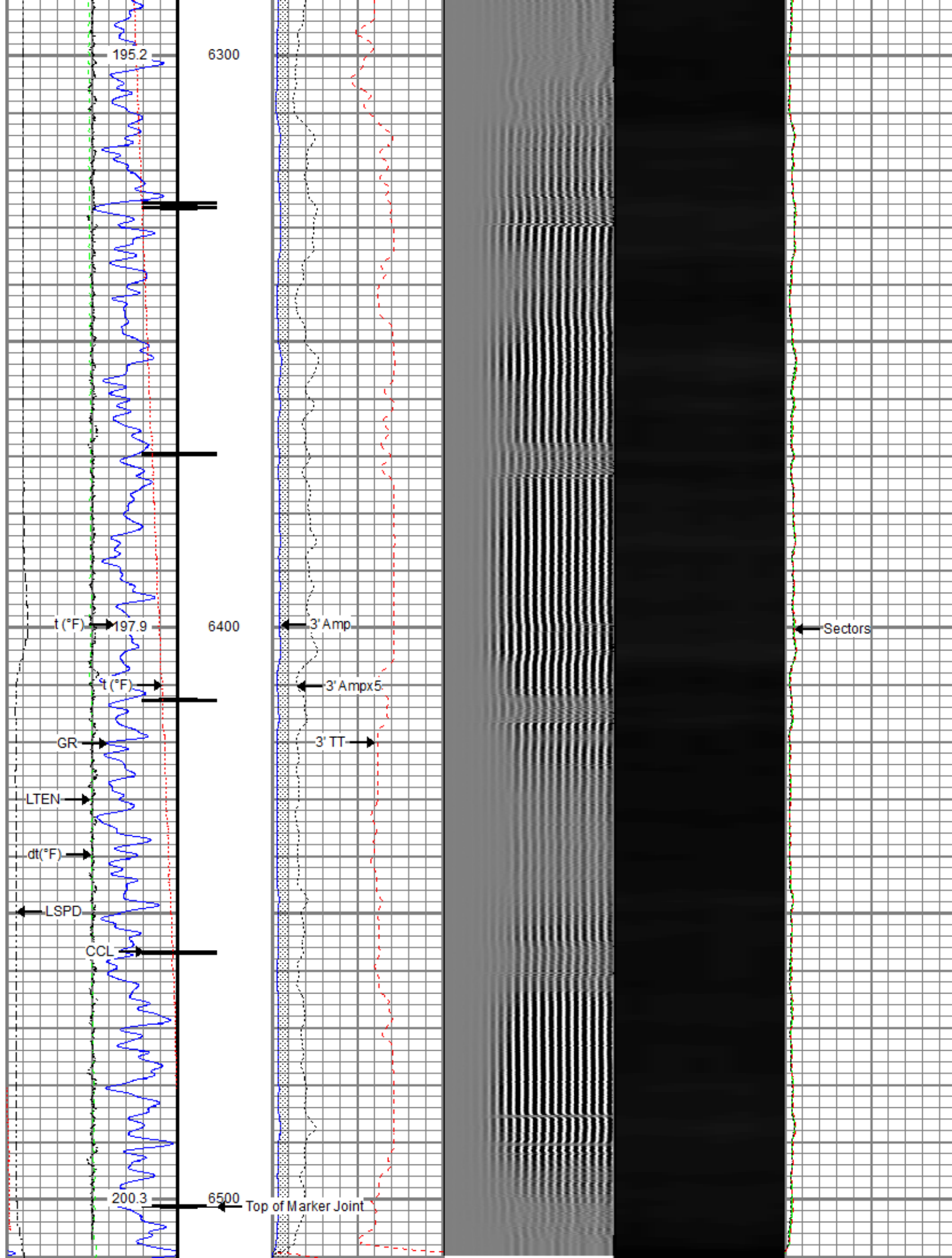


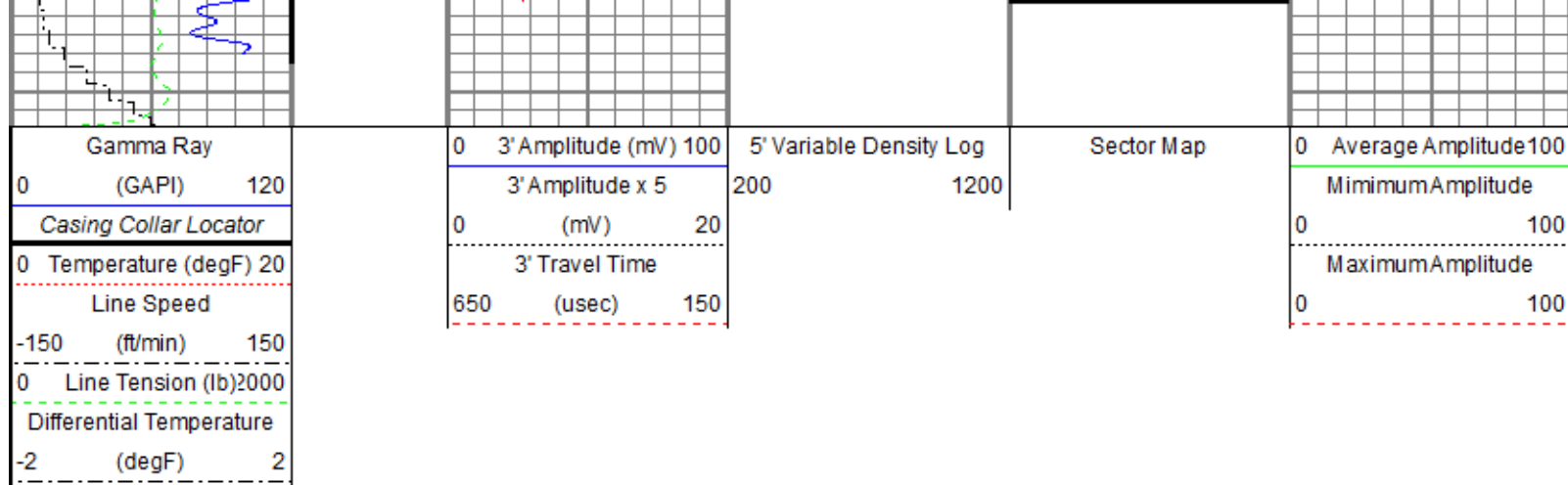








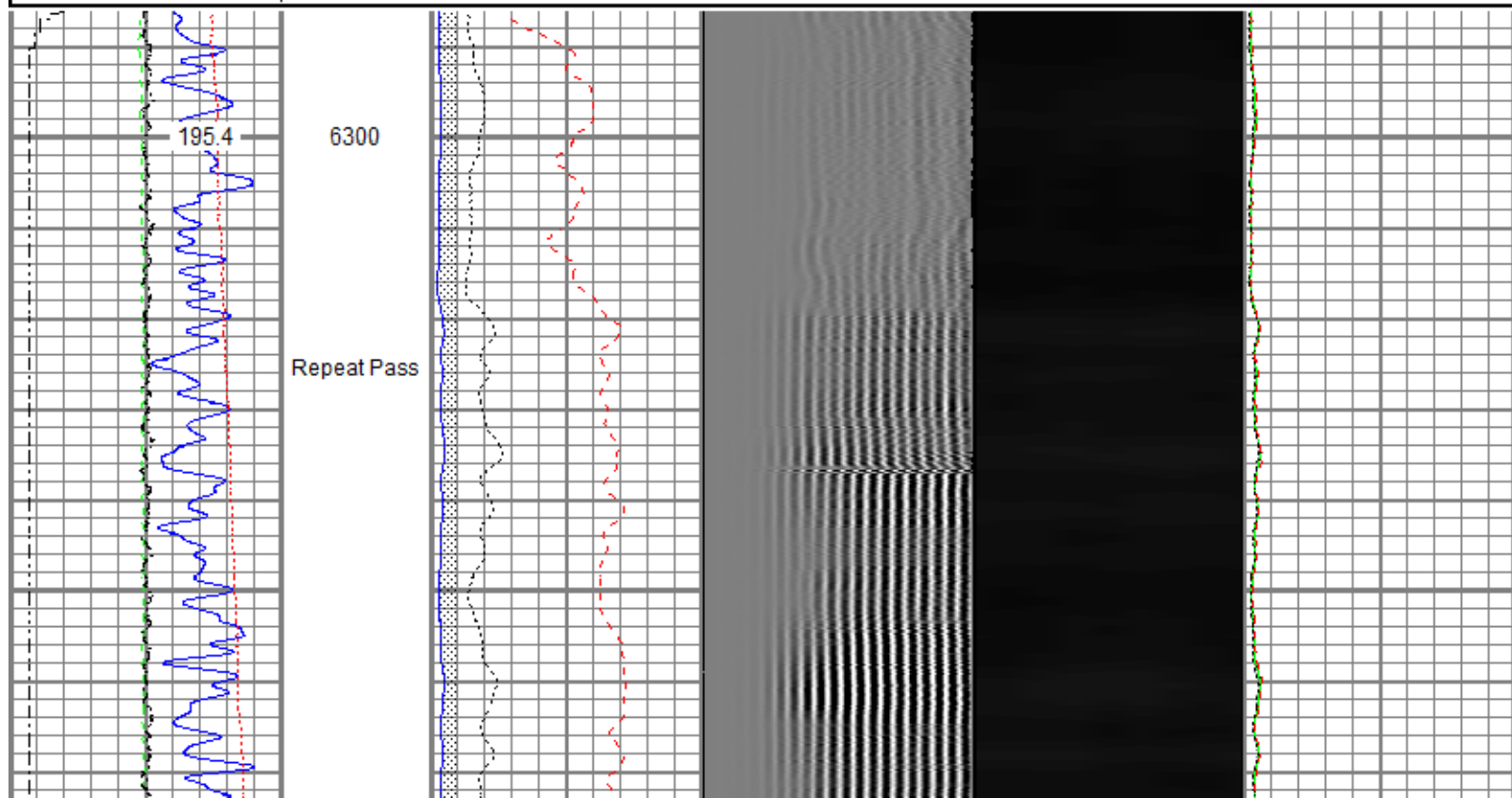
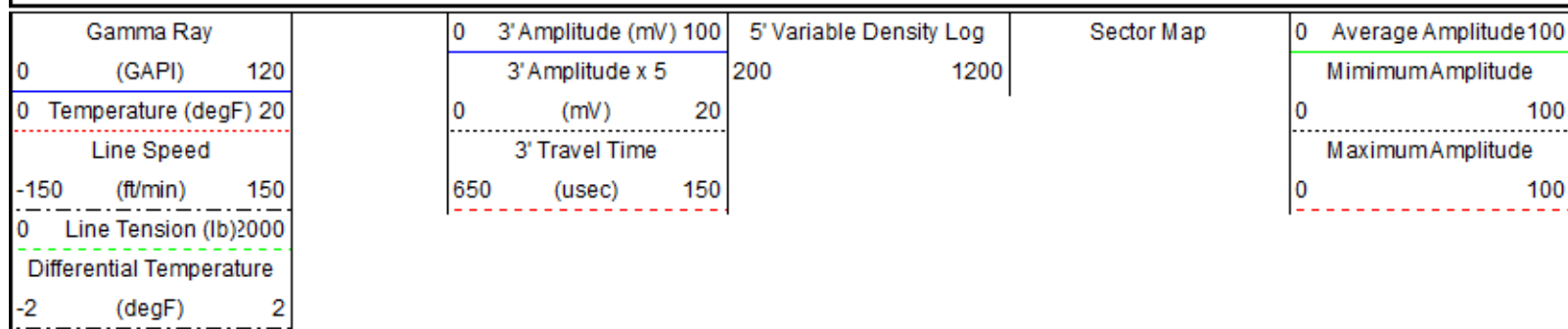


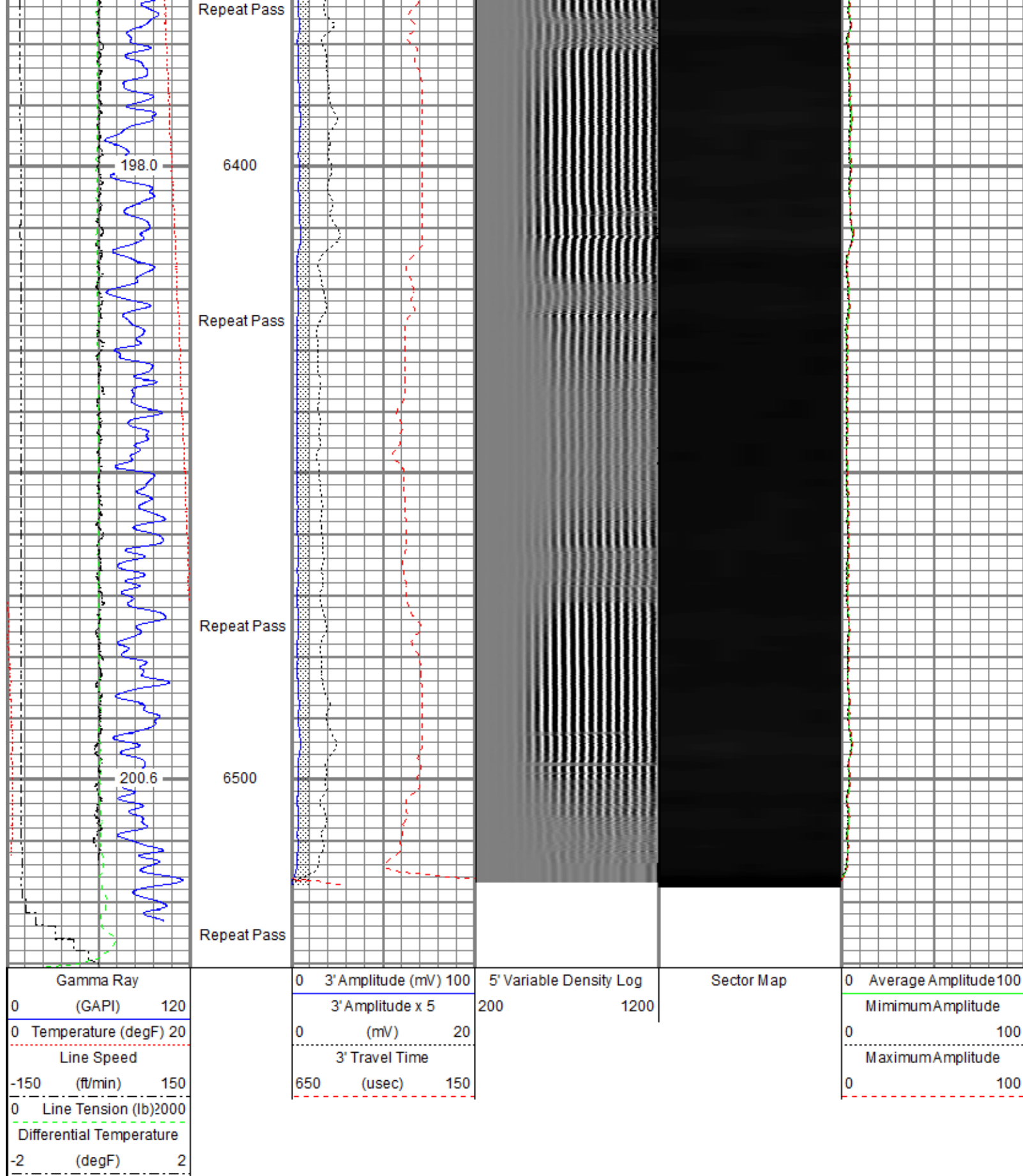


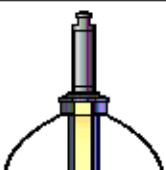
Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

Database File 0512345858_anadarko_hergenreder 25n-4hz_rbl_04-10-18\0512345858_anadarko_hergenreder 25n-4hz_rbl_04-10-18.db
 Dataset Pathname pass11.2
 Presentation Format ros_radrii
 Dataset Creation Thu Apr 12 10:57:13 2018
 Charted by Depth in Feet scaled 1:240





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	17.04					
WVFS8	14.81		Probe Radii-2750 RBT (FW0712-020) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
WVFS7	14.81					
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 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
CCL\$2	6.80					
CCL\$1	6.80					
GR	5.46		Probe GR-CCL-2750 6PB (101001) Probe 2-3/4" rev.1 Digital Scintillation Gamma Ray/CCL Combined with 6 Pin Bottom for CNT	4.80	2.75	55.00
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
Dataset: 0512345858_anadarko_hergenreder 25n-4hz_rbl_04-10-18.db: field/well/run1/pass13.4 Total length: 23.86 ft Total weight: 223.60 lb O.D.: 2.75 in						

Calibration Report

Database File c:\programdata\warrior\data\0512345858_anadarko_hergenreder 25n-4hz_rbl_04-10-18\0512345858_anadarko_hergenreder 2
 Dataset Pathname pass13.4
 Dataset Creation Thu Apr 12 10:50:36 2018

Gamma Ray Calibration Report

Serial Number:	101001	
Tool Model:	2750 6PB	
Performed:	Sun Nov 12 11:25:32 2017	
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:	FW0712-020	
Tool Model:	2750 RBT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	-0.199	ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	0.370	0.800	71.921	195.793	-0.541
CAL	0.006	0.383				
5'	0.008	0.323	0.800	71.921	225.698	-0.988
SUM						
S1	0.005	0.366	0.000	100.000	276.948	-1.421
S2	0.006	0.367	0.000	100.000	277.541	-1.777
S3	0.006	0.365	0.000	100.000	278.930	-1.737
S4	0.006	0.365	0.000	100.000	279.065	-1.731
S5	0.007	0.375	0.000	100.000	271.570	-1.901
S6	0.006	0.382	0.000	100.000	266.115	-1.644
S7	0.006	0.379	0.000	100.000	268.142	-1.623
S8	0.007	0.375	0.000	100.000	271.680	-1.814

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	0.383	1.000	0.000

Air Zero Calibration, performed Sun Apr 08 06:38:45 2018:

	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: Thu Dec 21 07:48:40 2017

	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	Hergenreder 25N-4HZ
Field	Wattenberg
County	Weld
State	Colorado