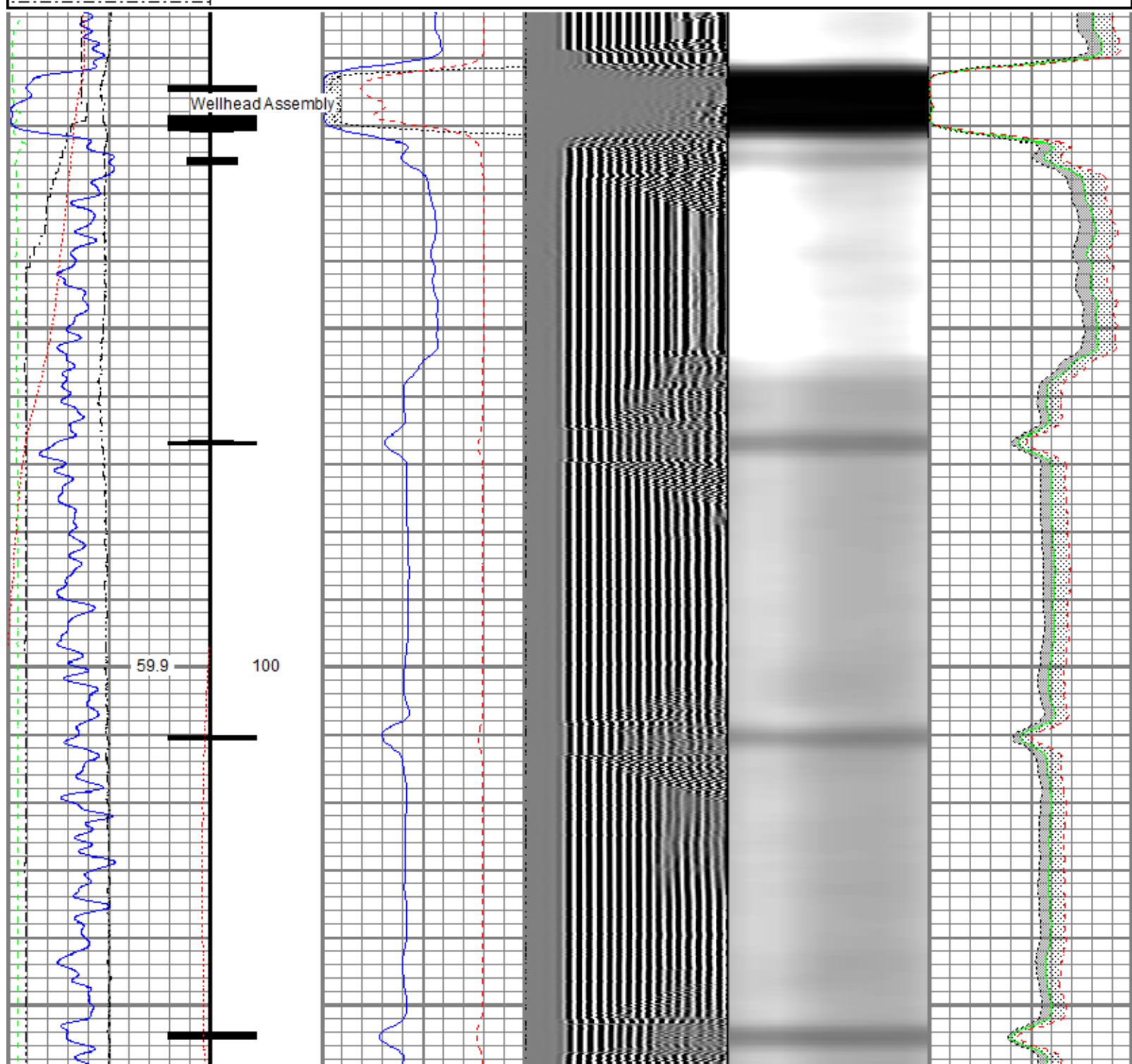
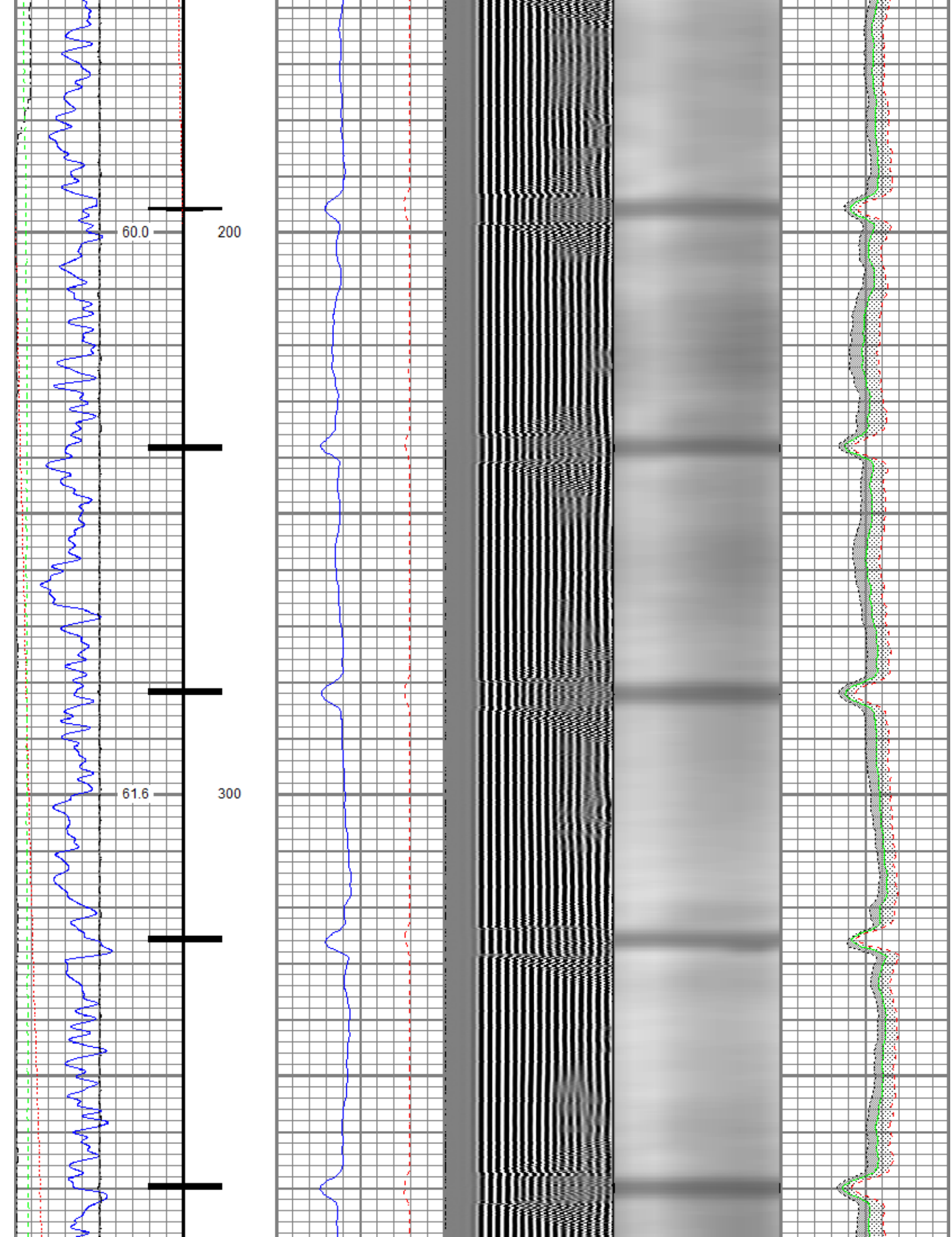
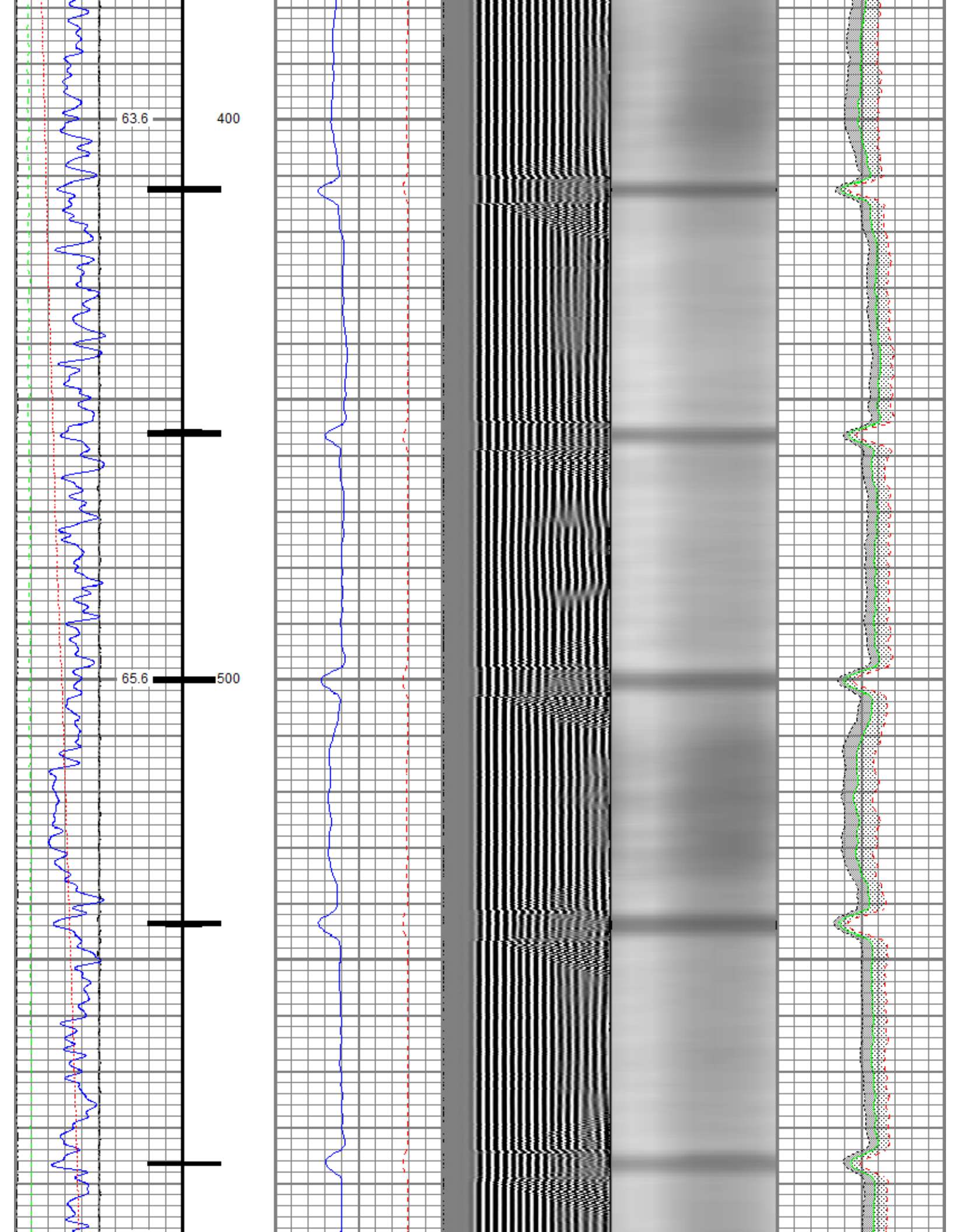


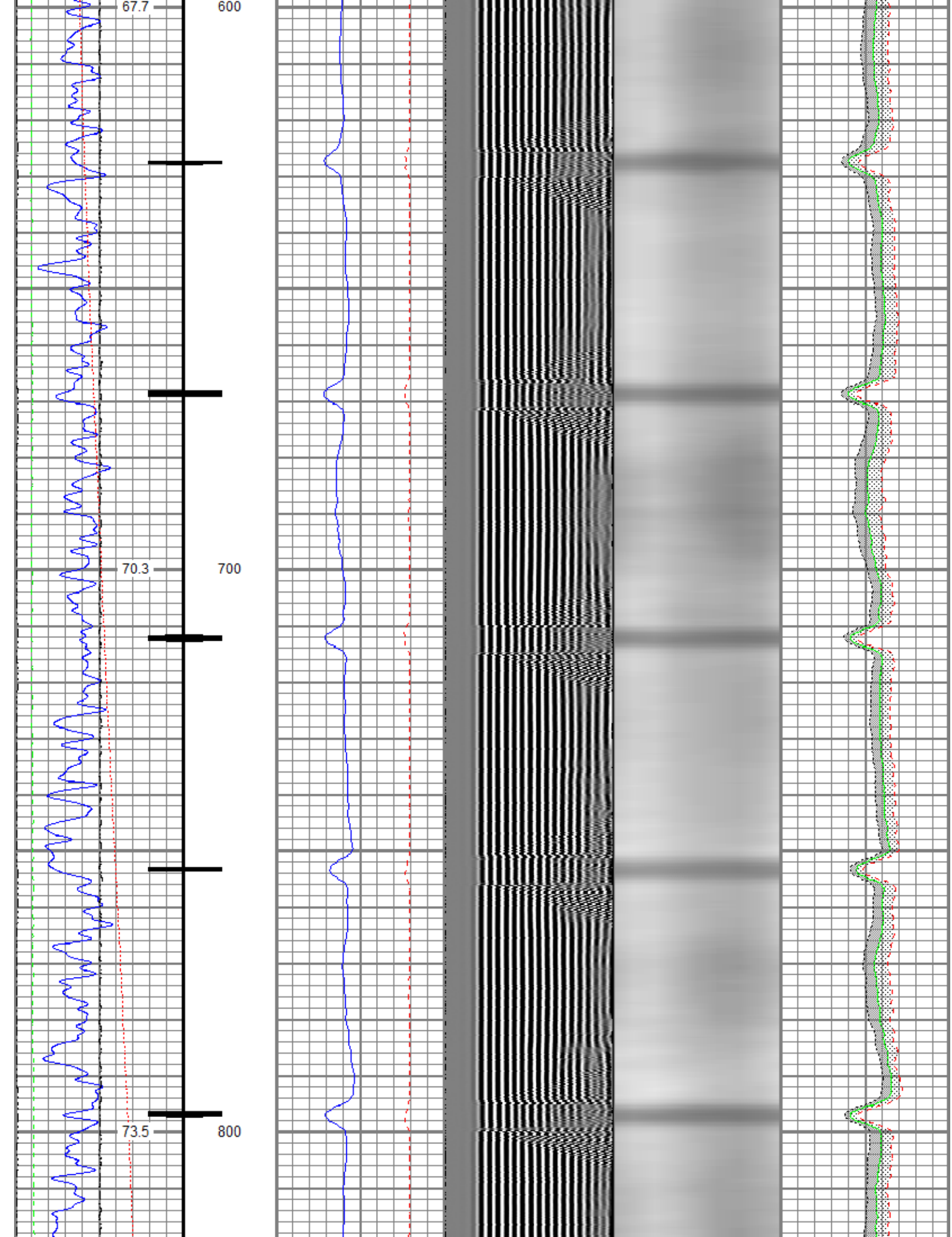
Database File anadarkolazul 13-8hz\0512345910_anadarko_azul 13-8hz_rbl_05-13-18_2800 psi.db
 Dataset Pathname pass5.1
 Presentation Format ros_radri
 Dataset Creation Sun May 13 16:17:57 2018
 Charted by Depth in Feet scaled 1:240

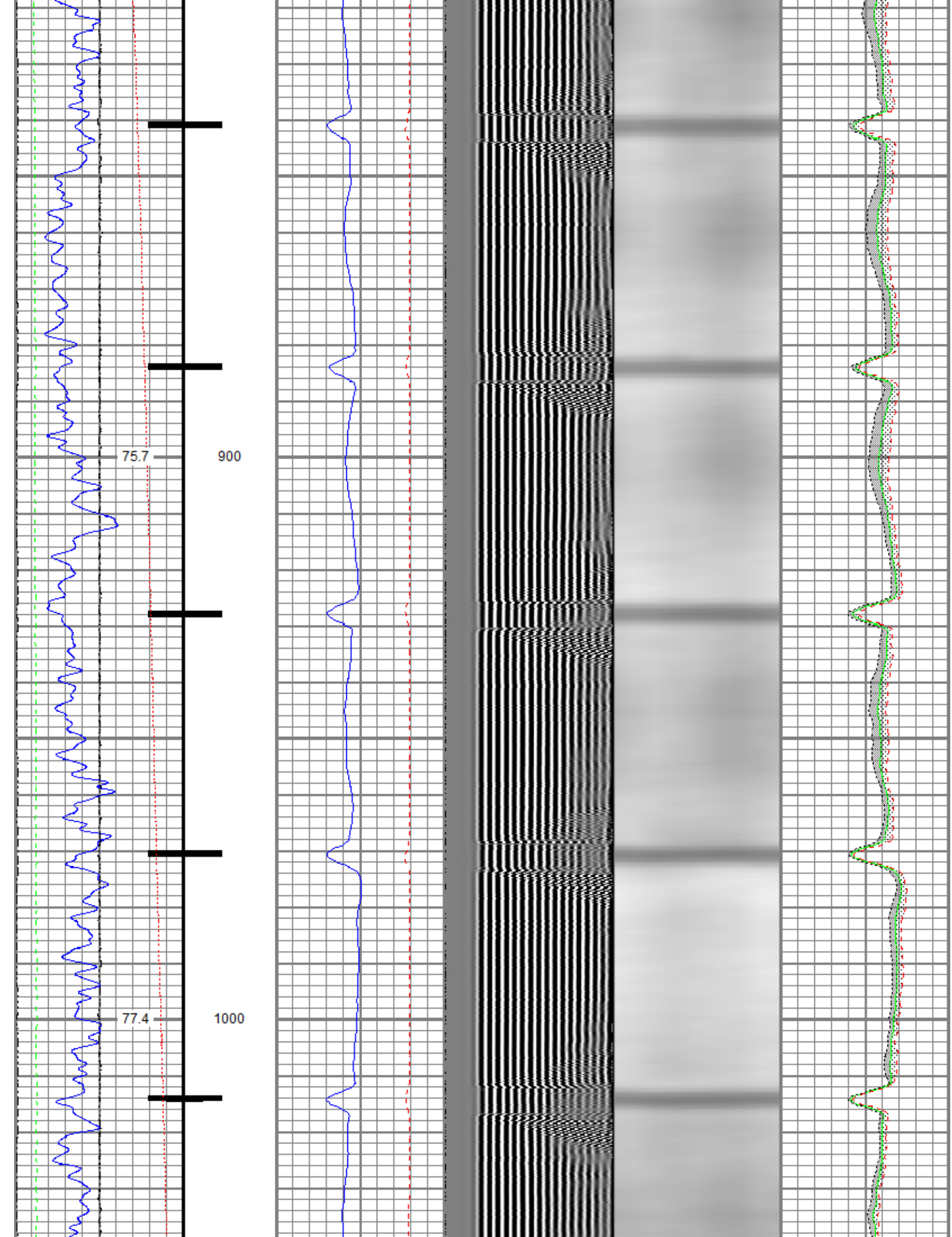
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200 (usec) 1200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min)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

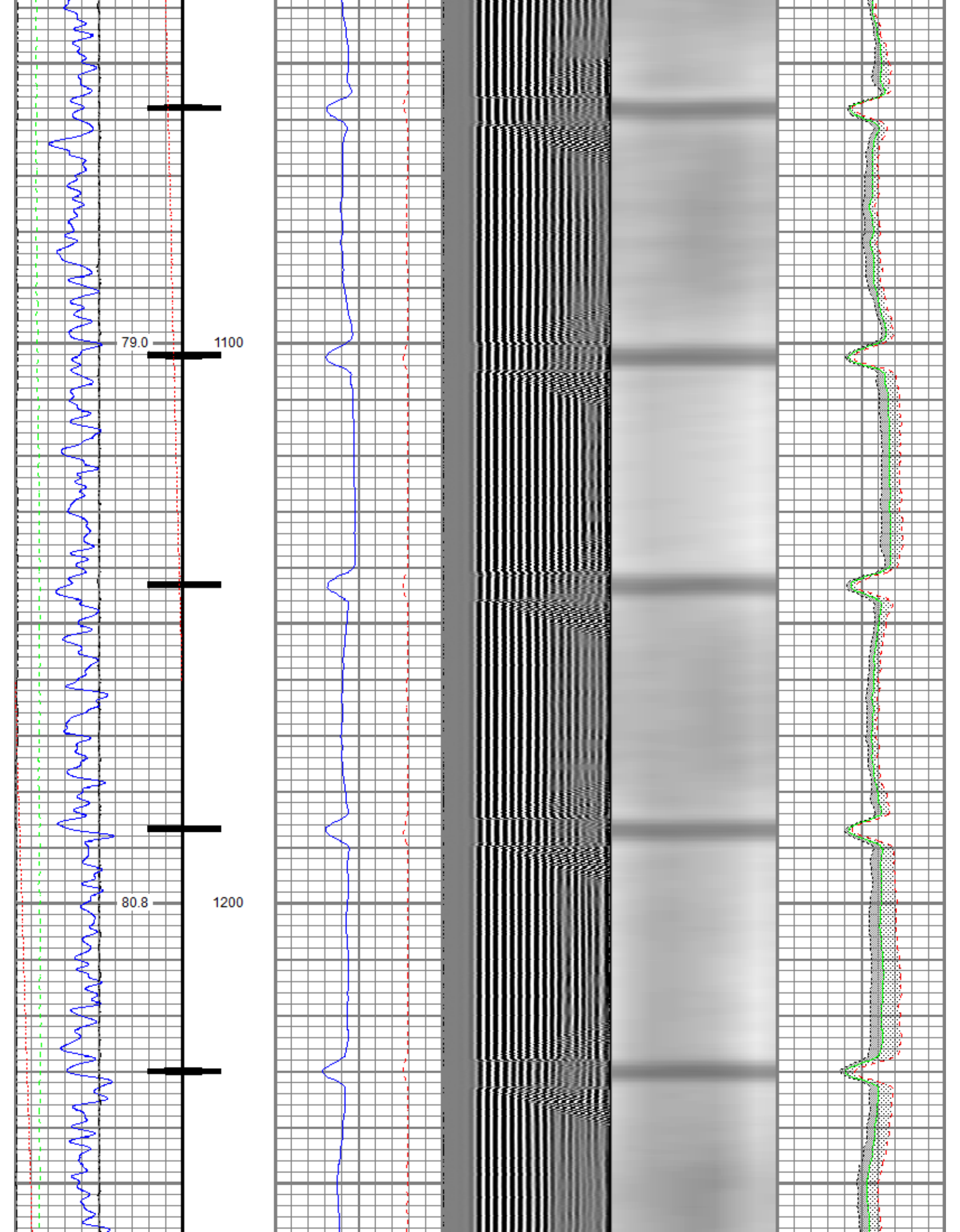


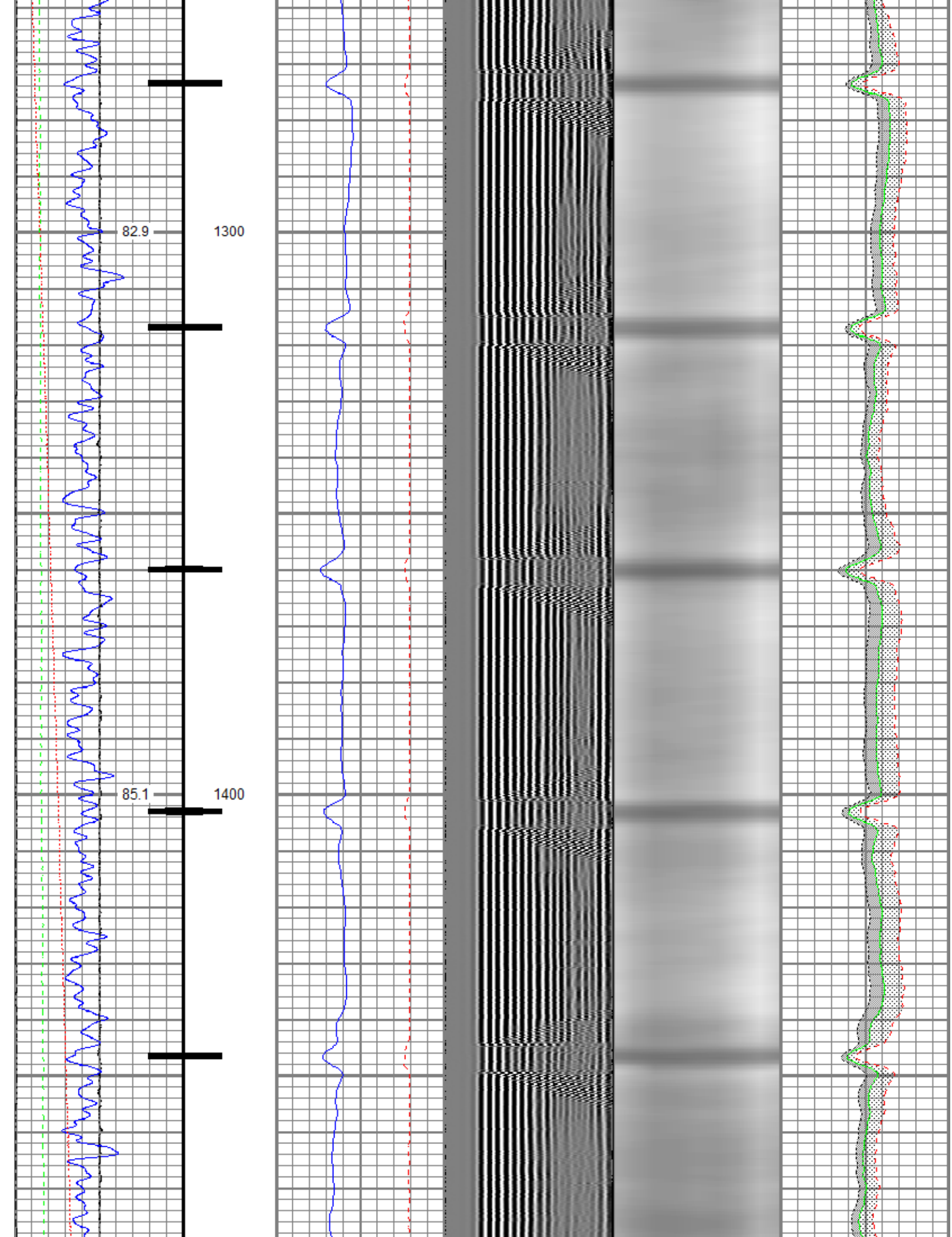


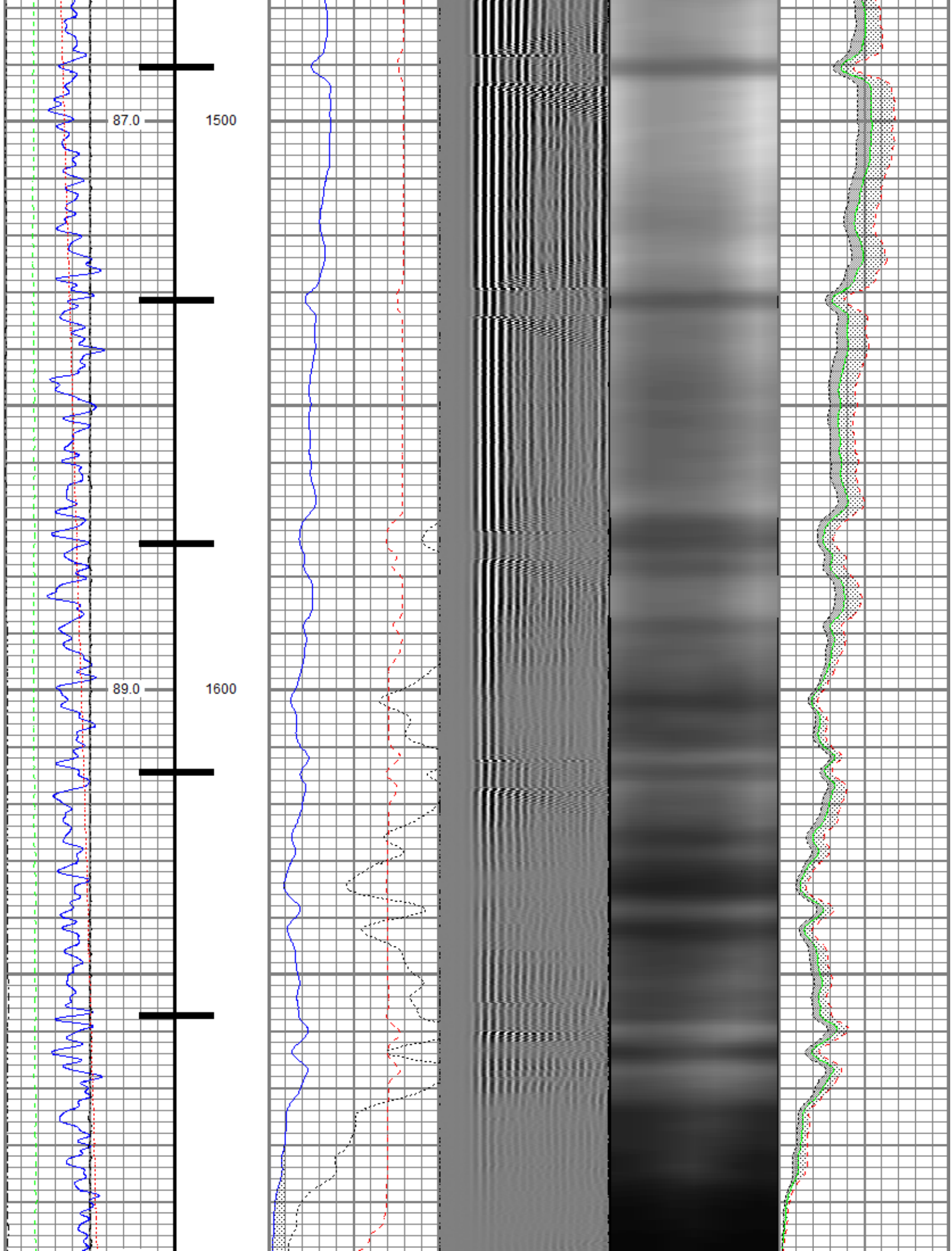












1700

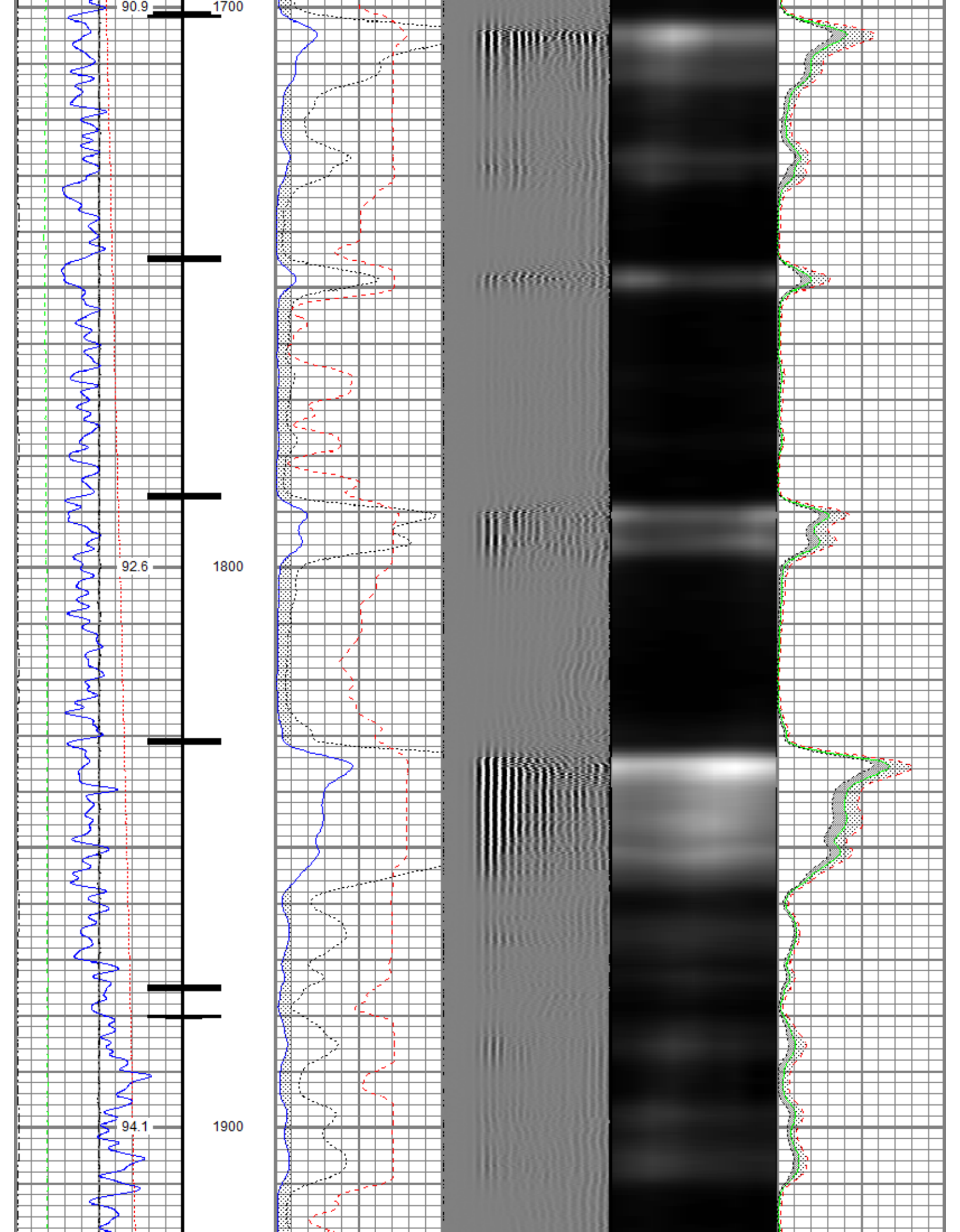
1800

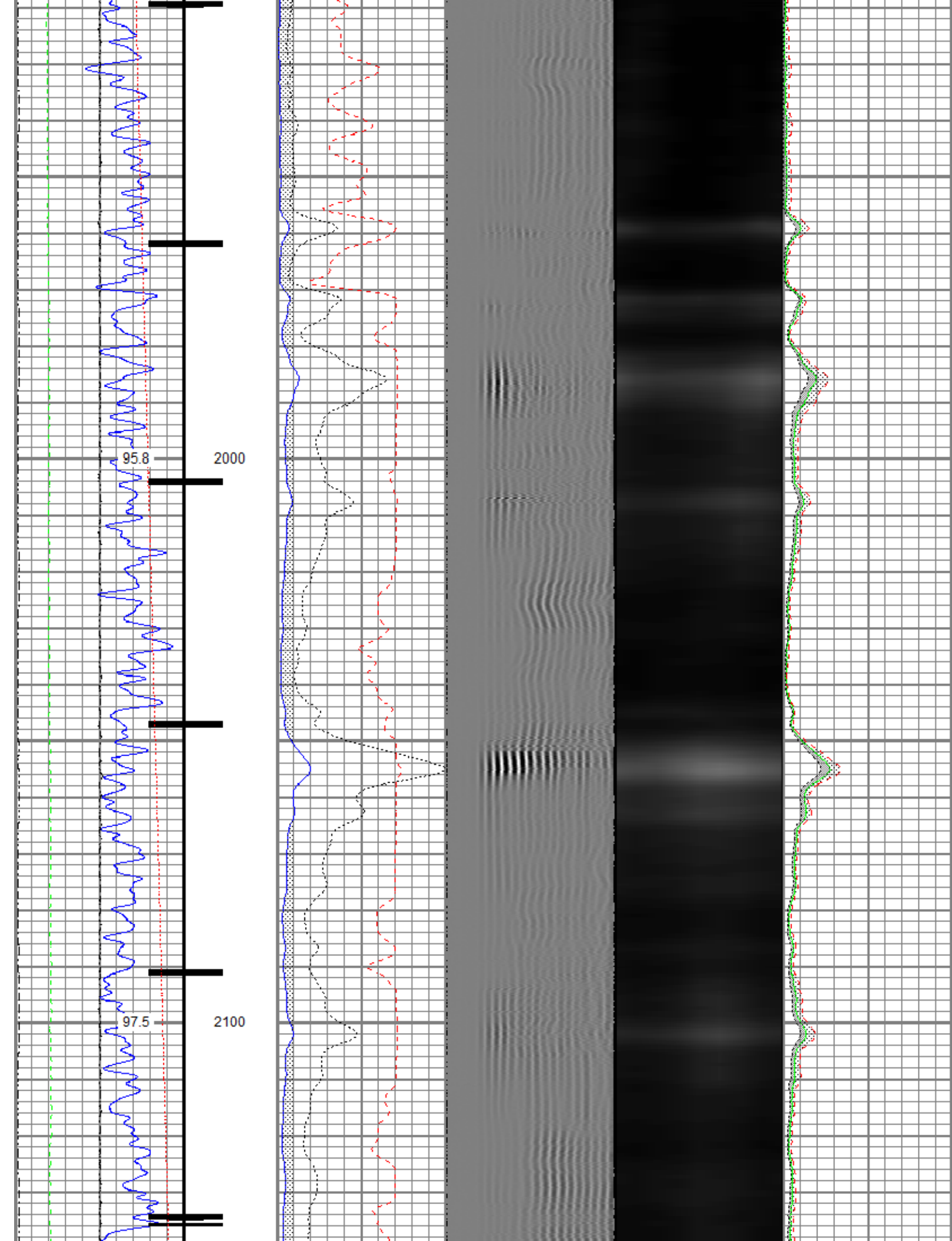
1900

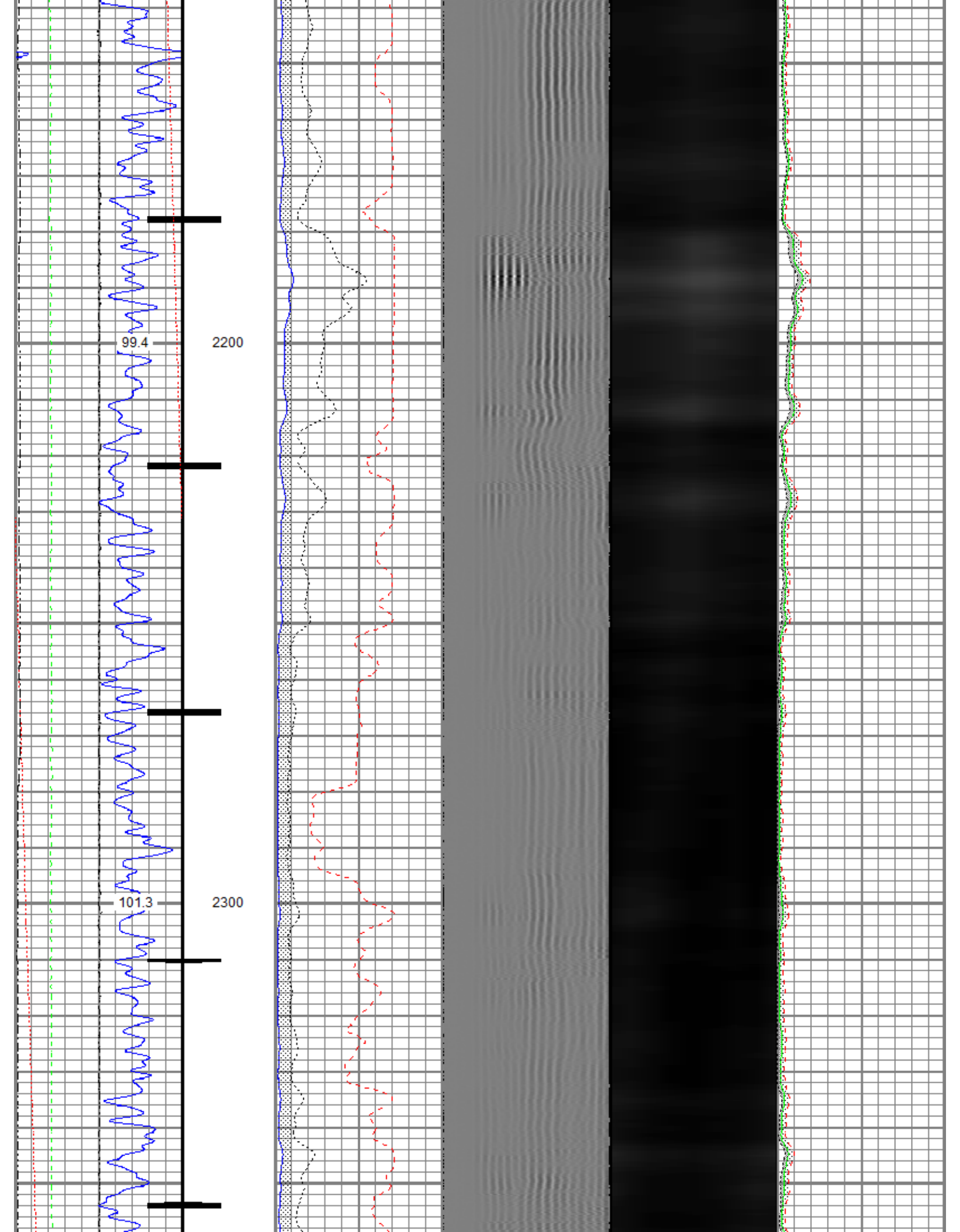
90.9

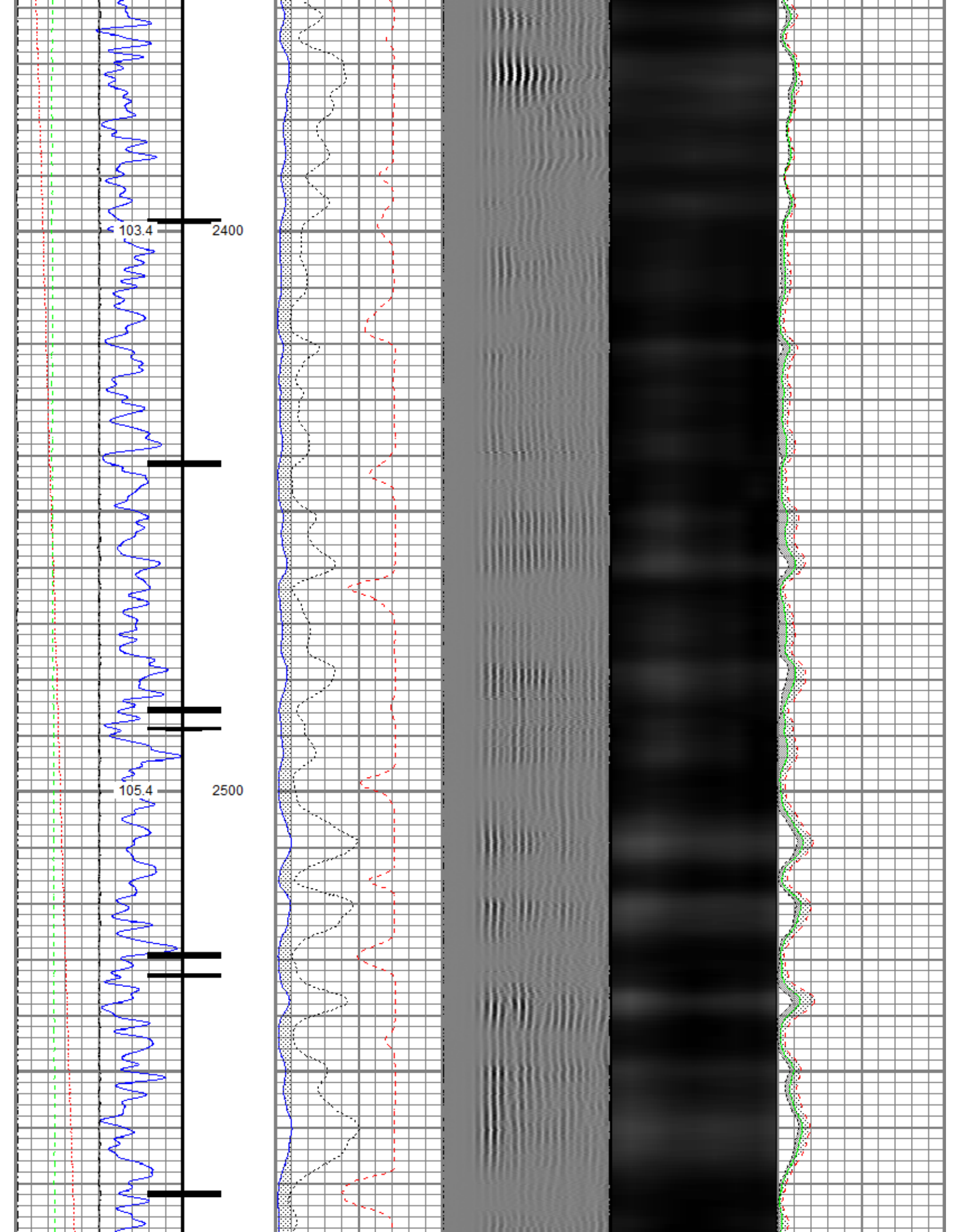
92.6

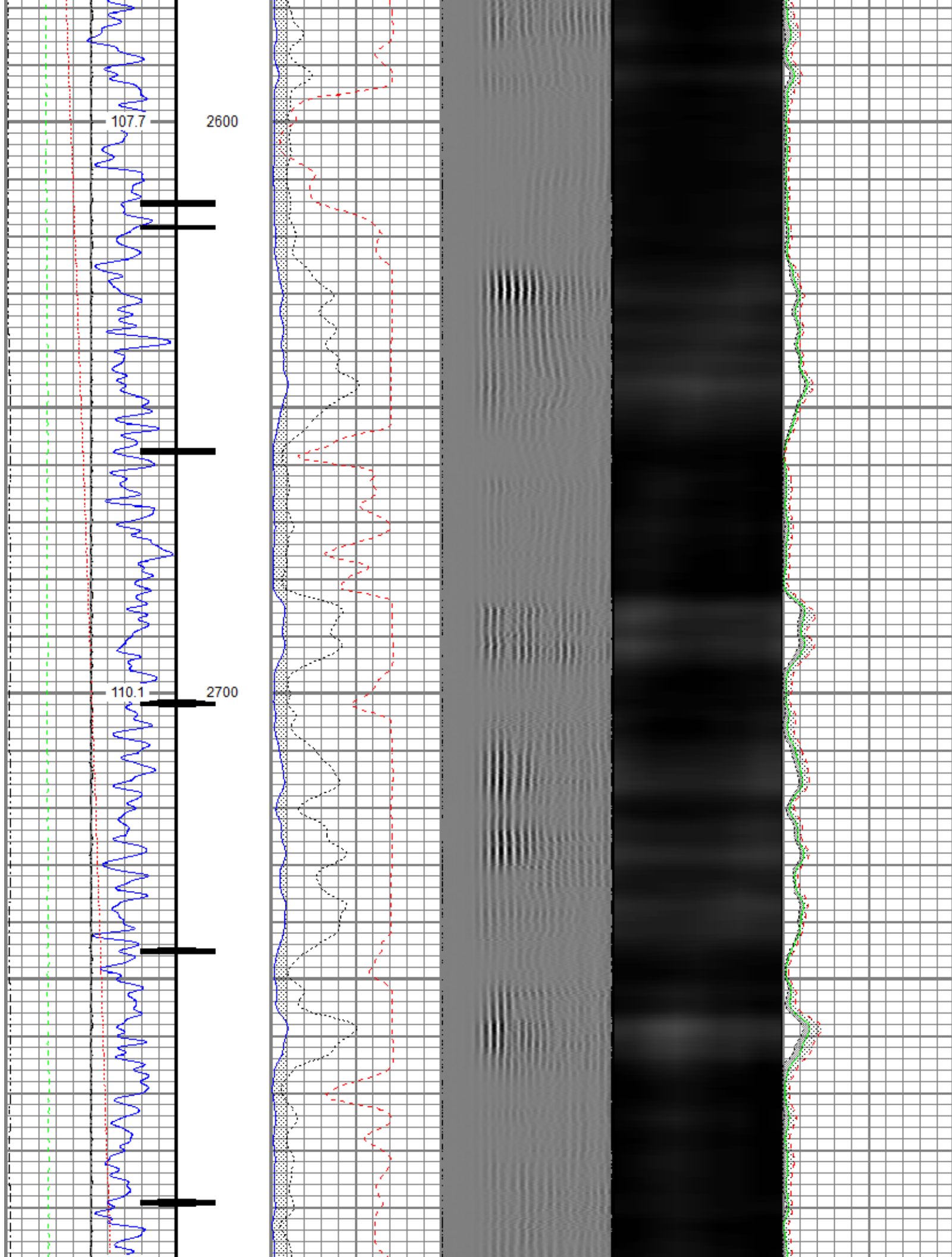
94.1

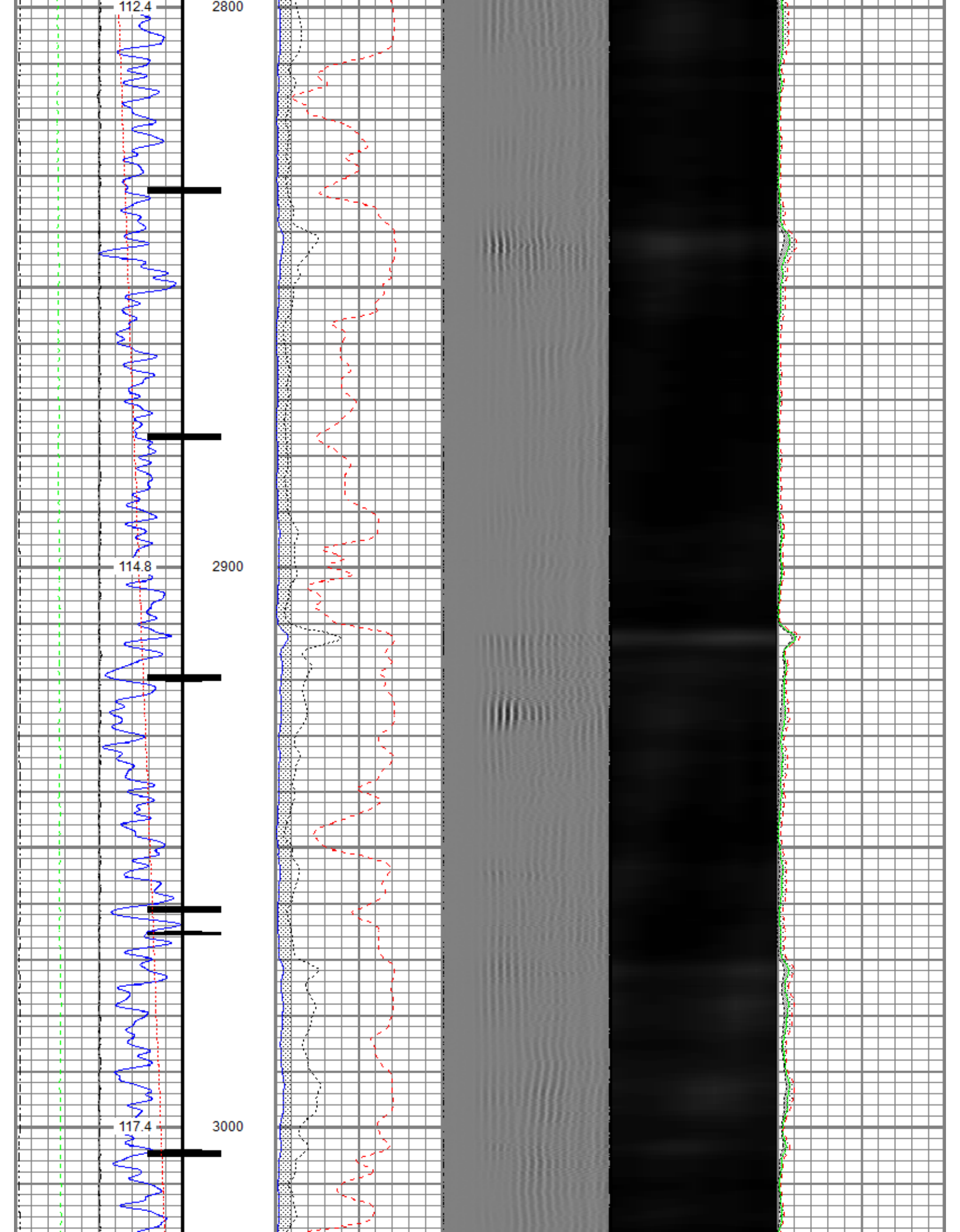


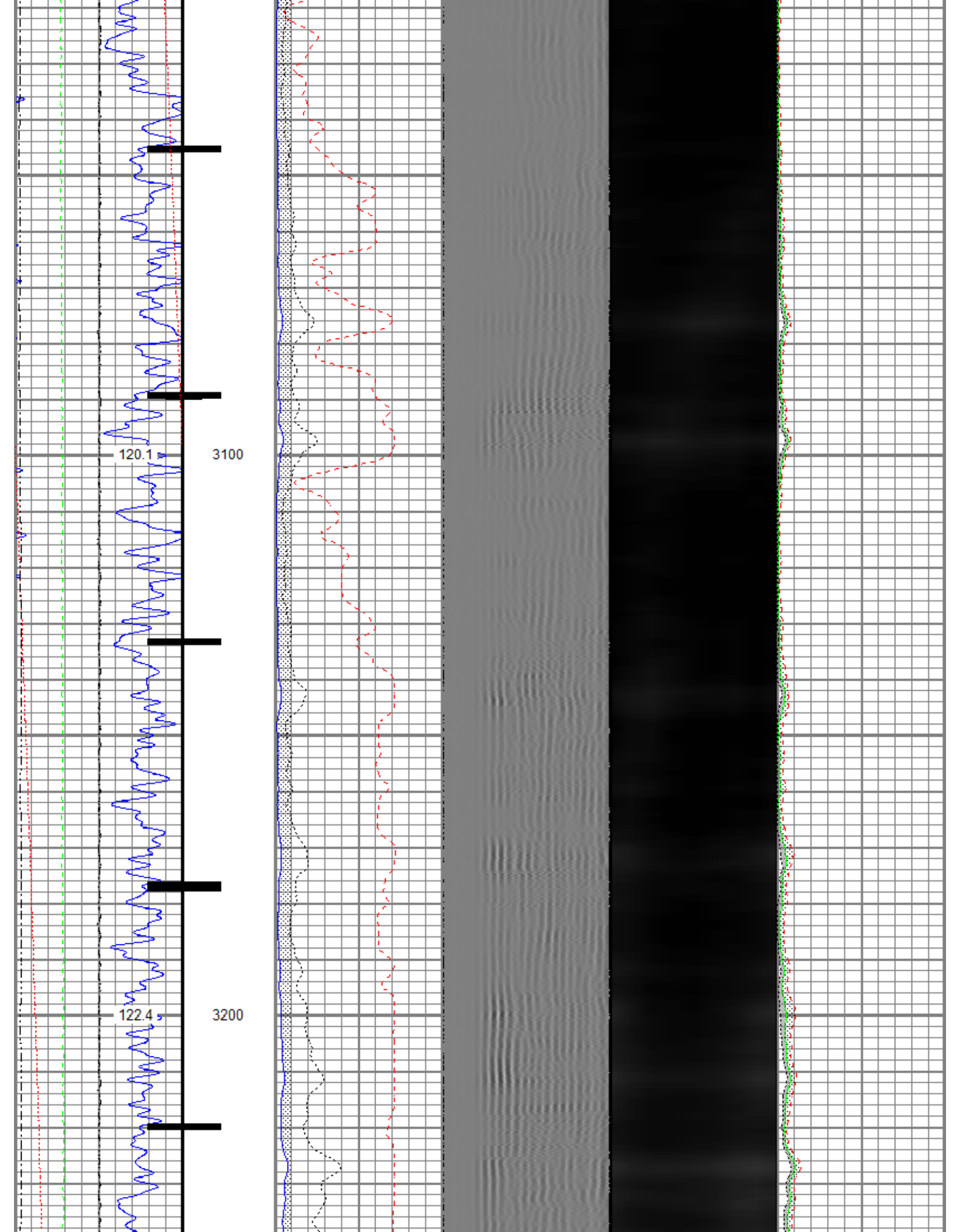


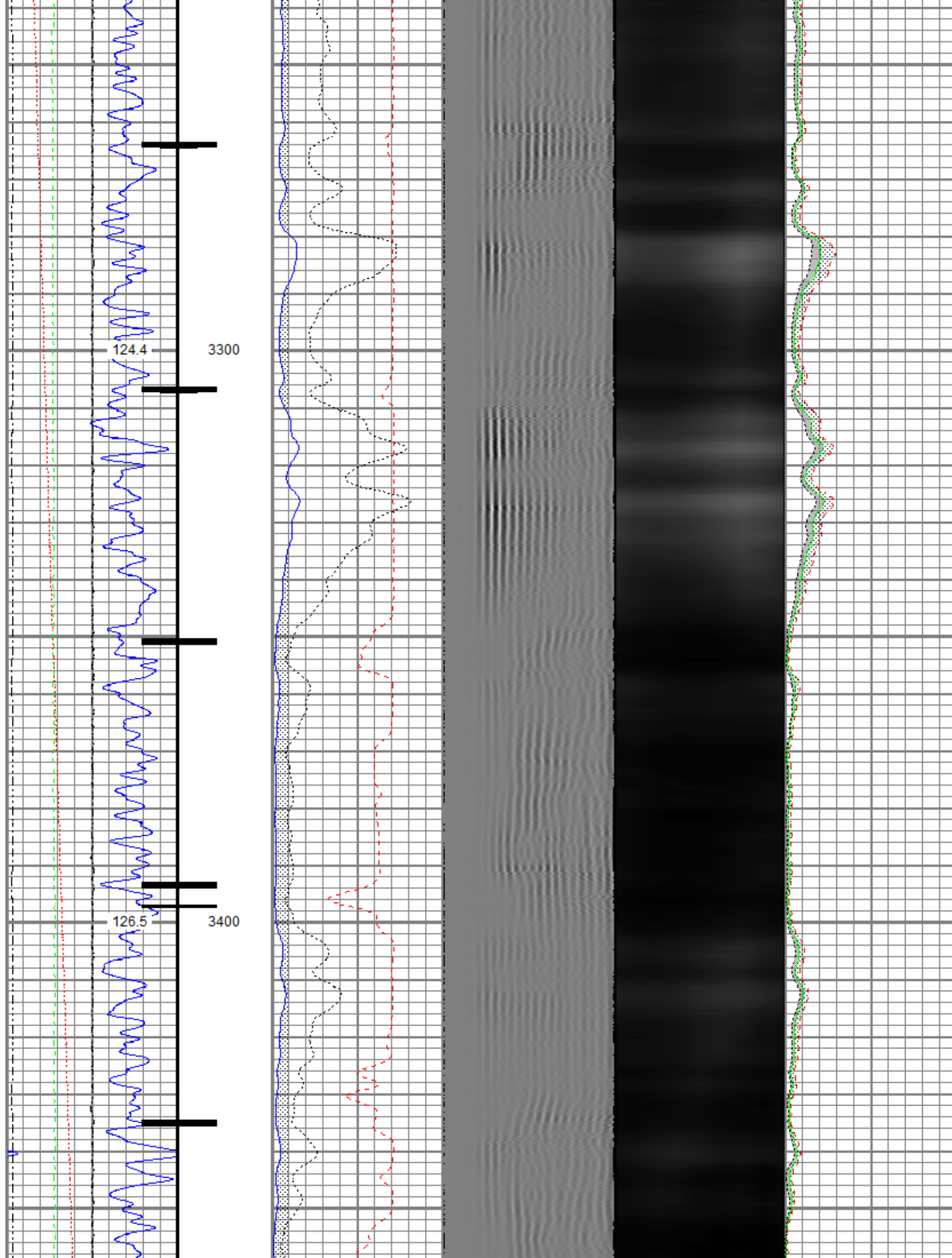










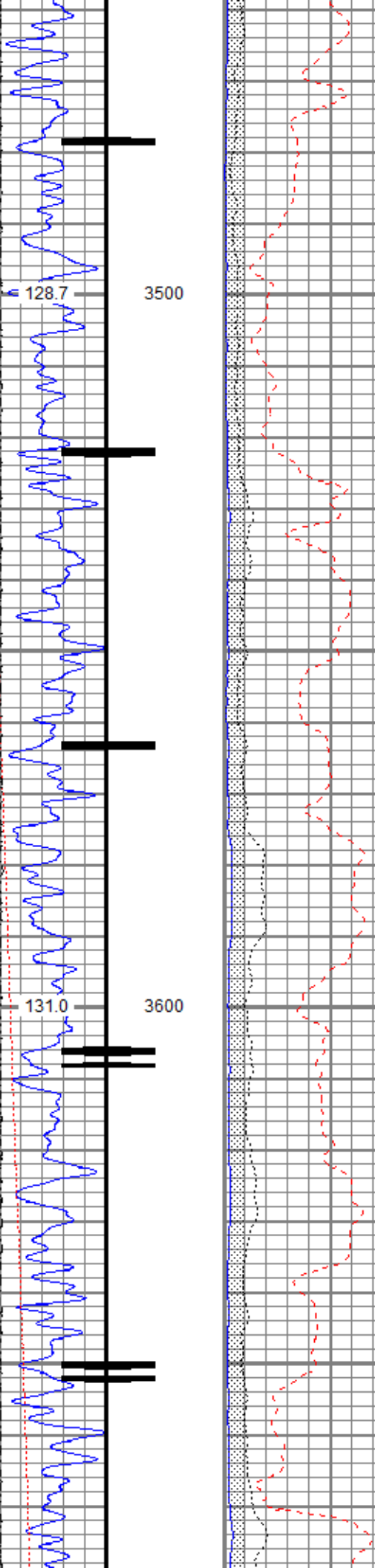


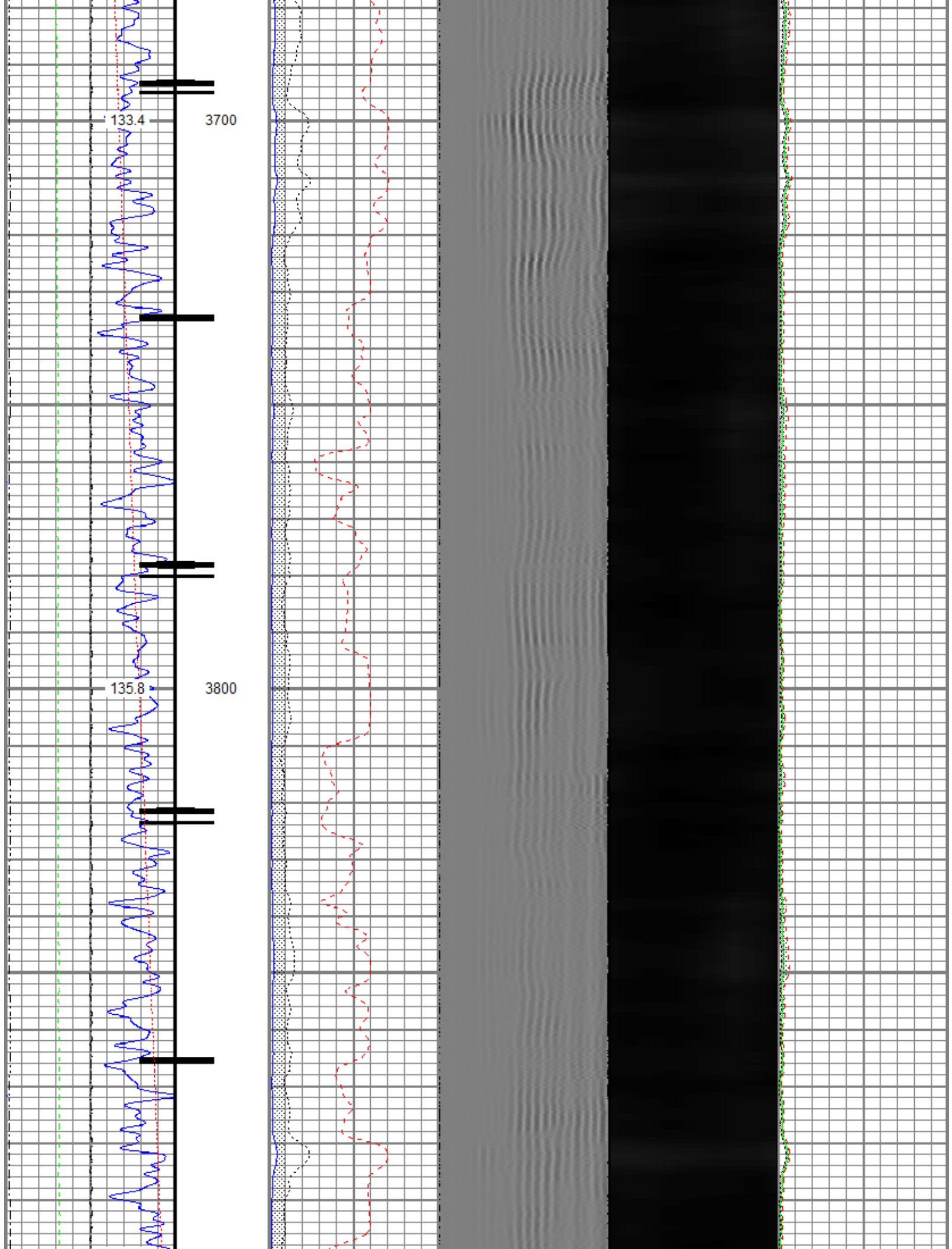
128.7

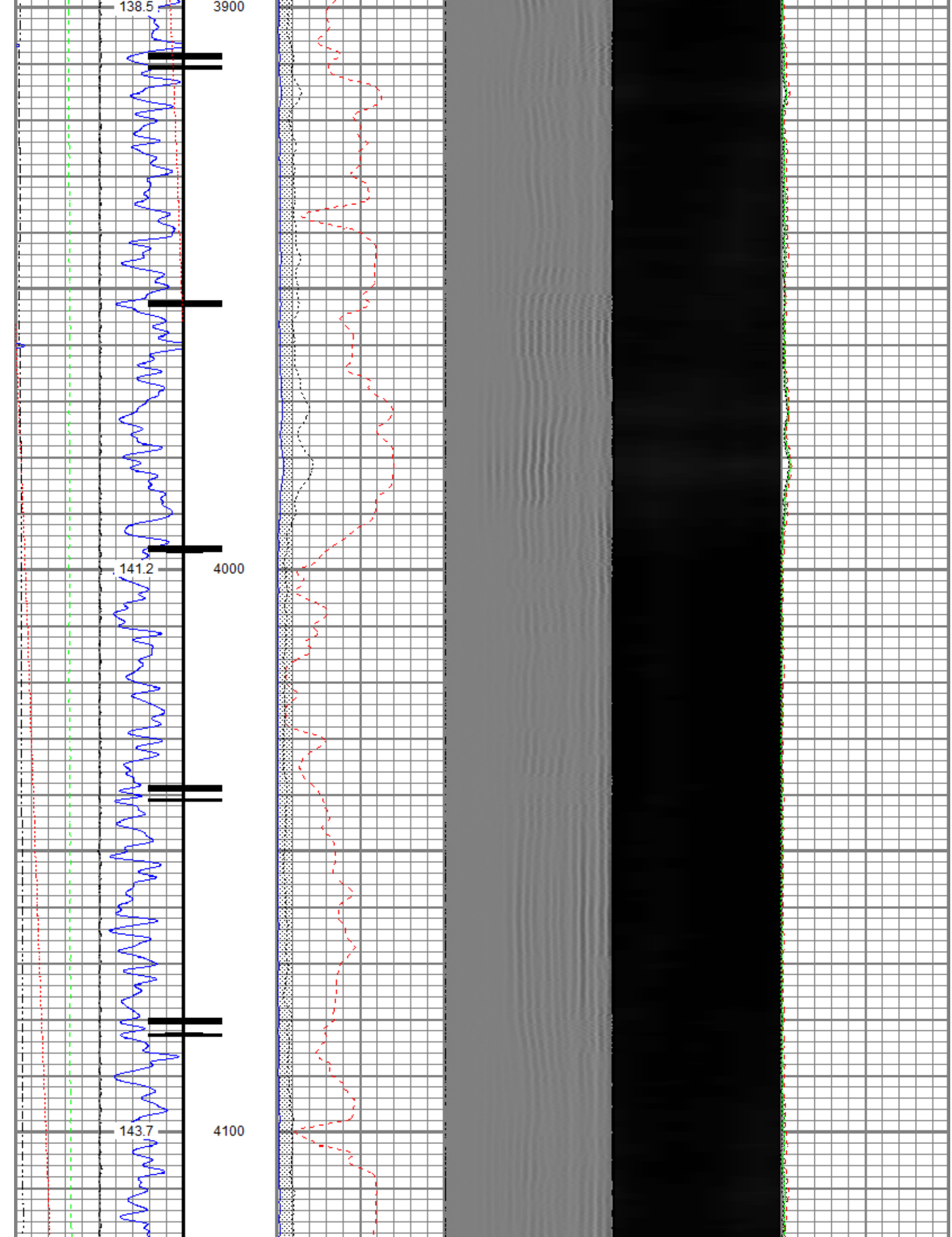
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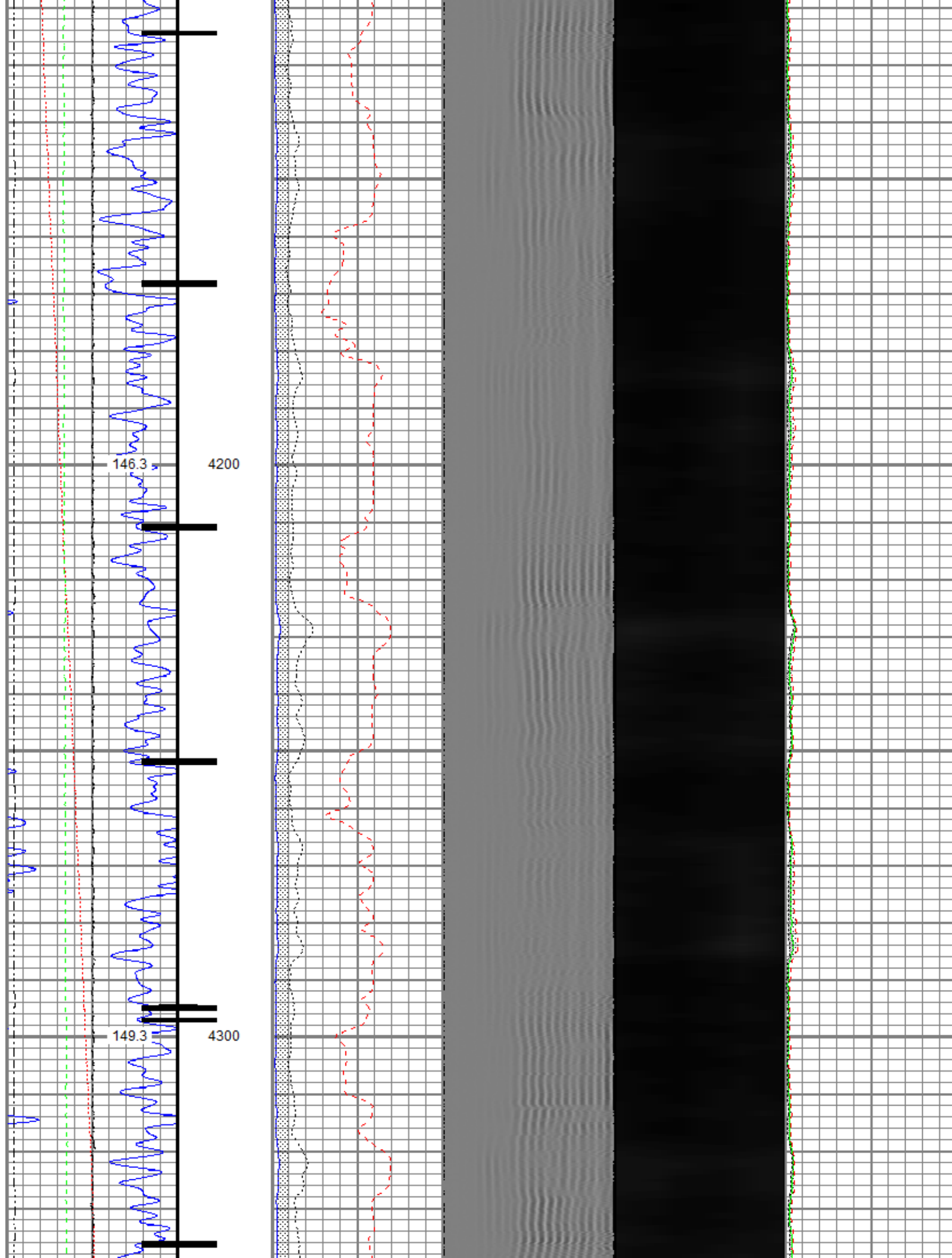
131.0

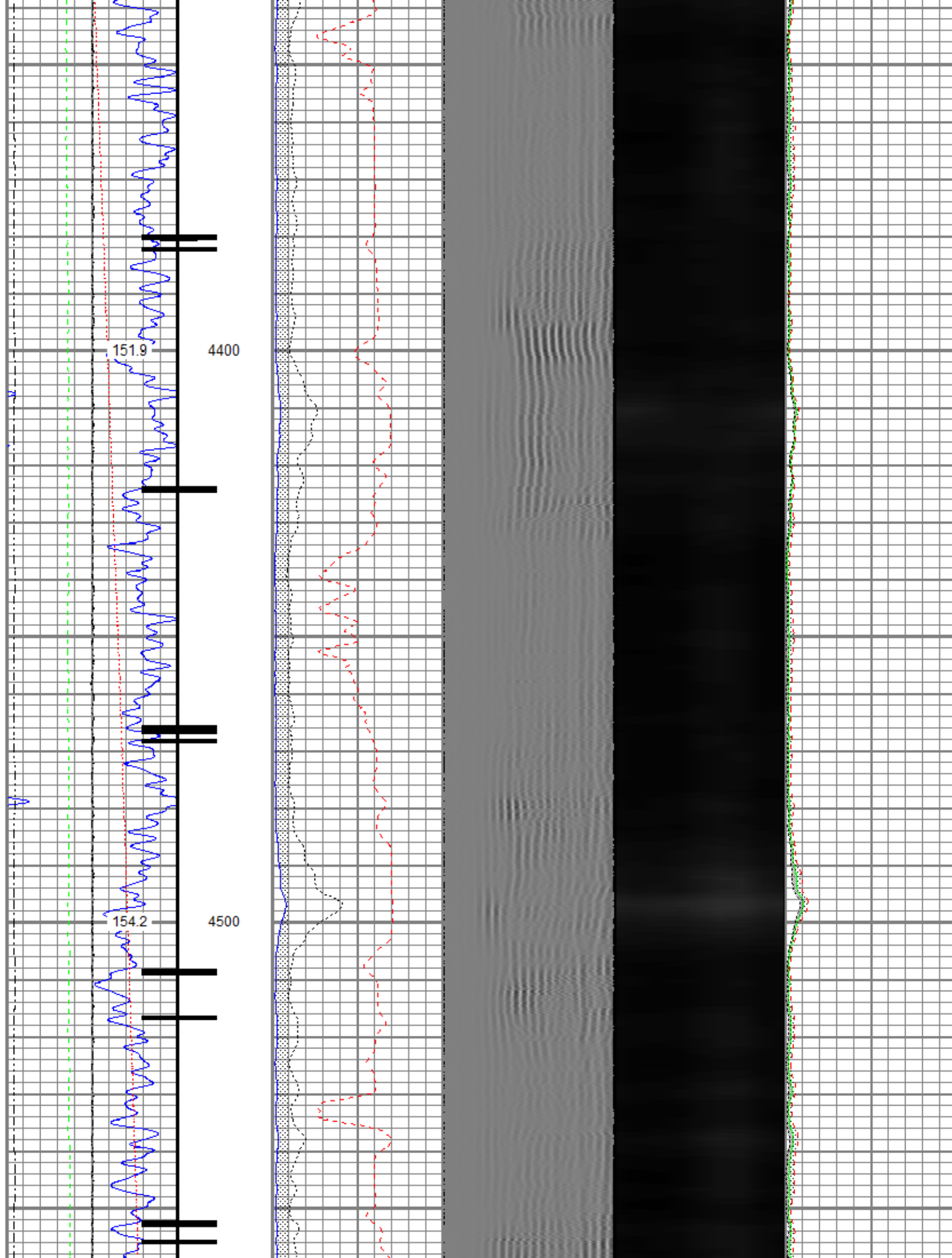
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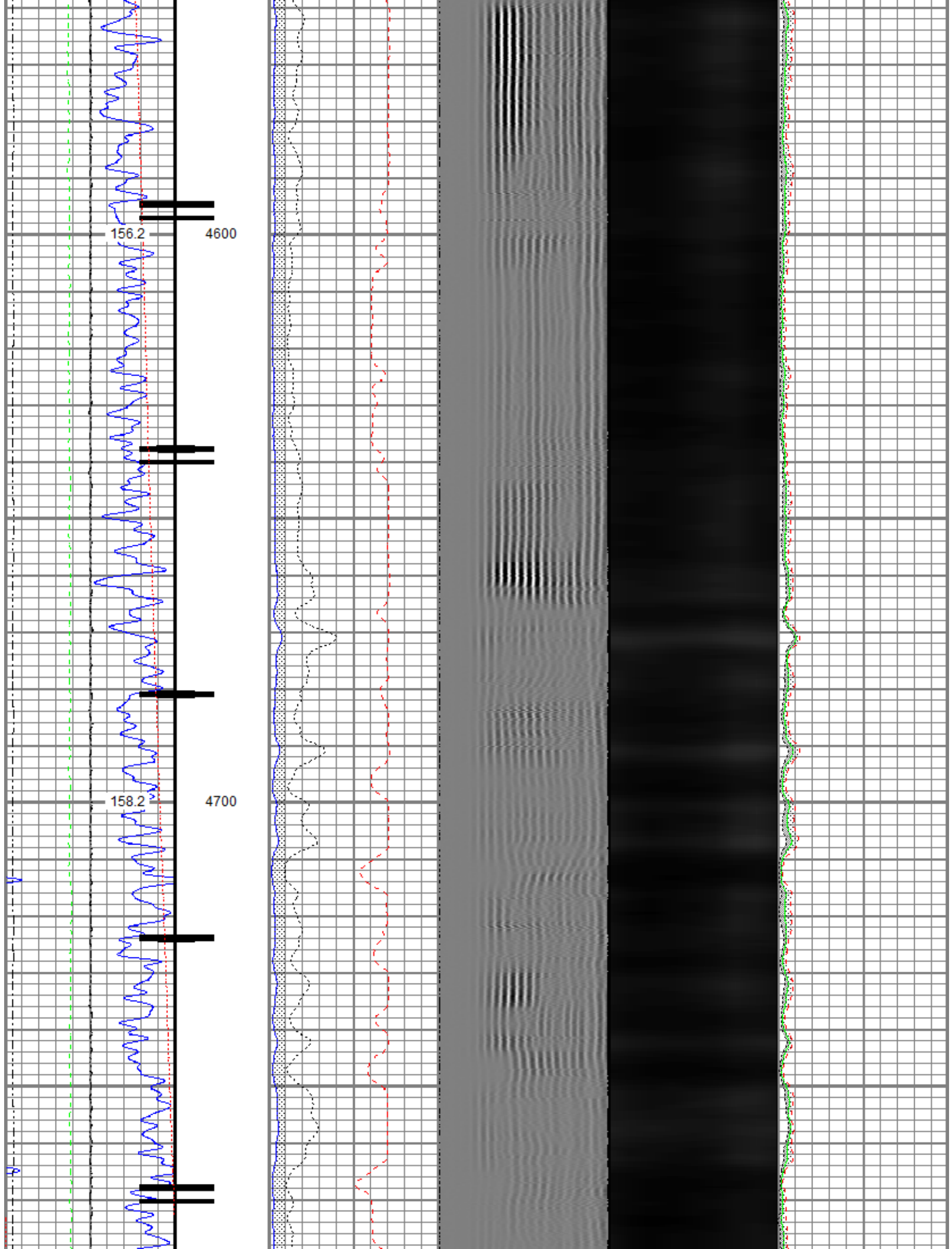


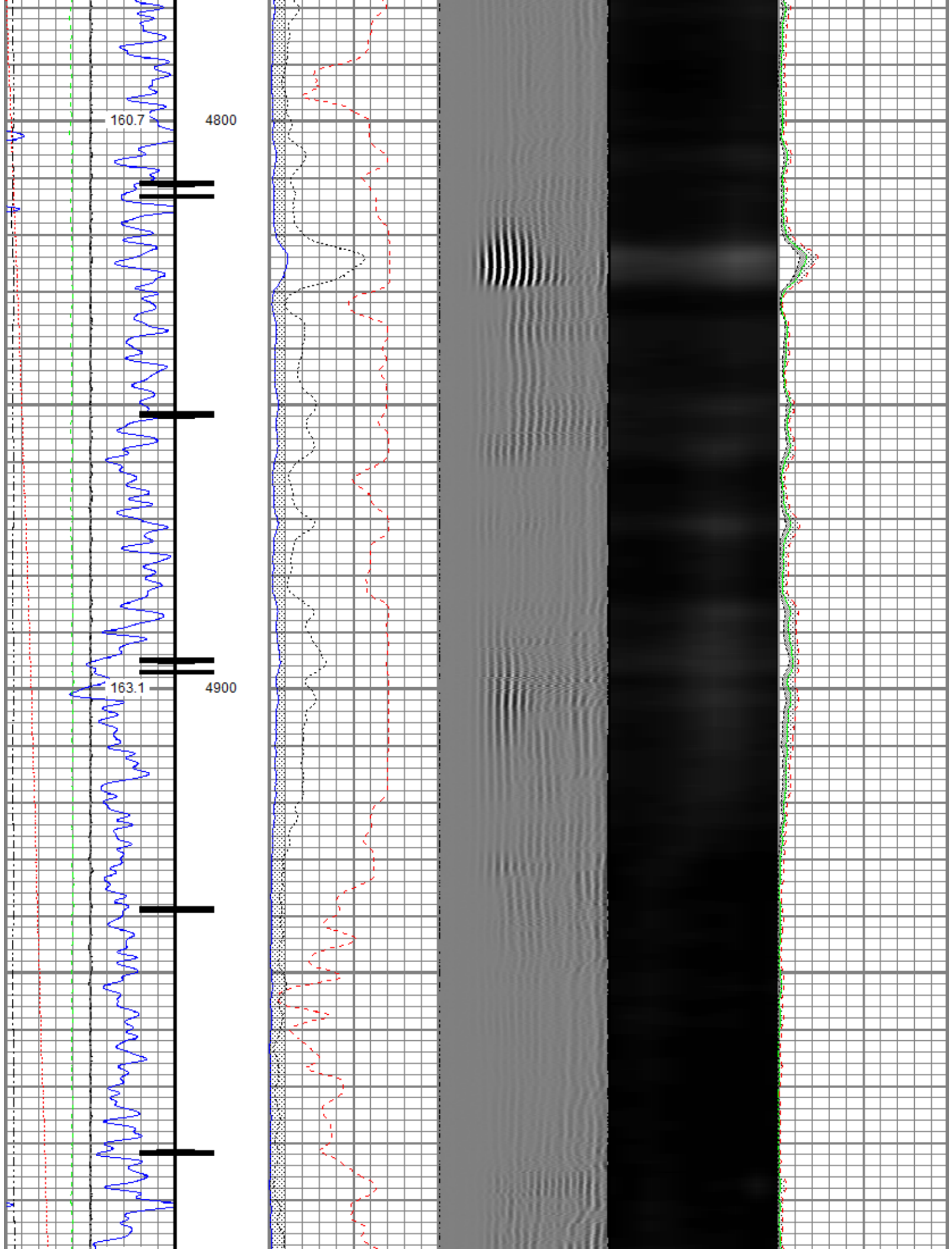


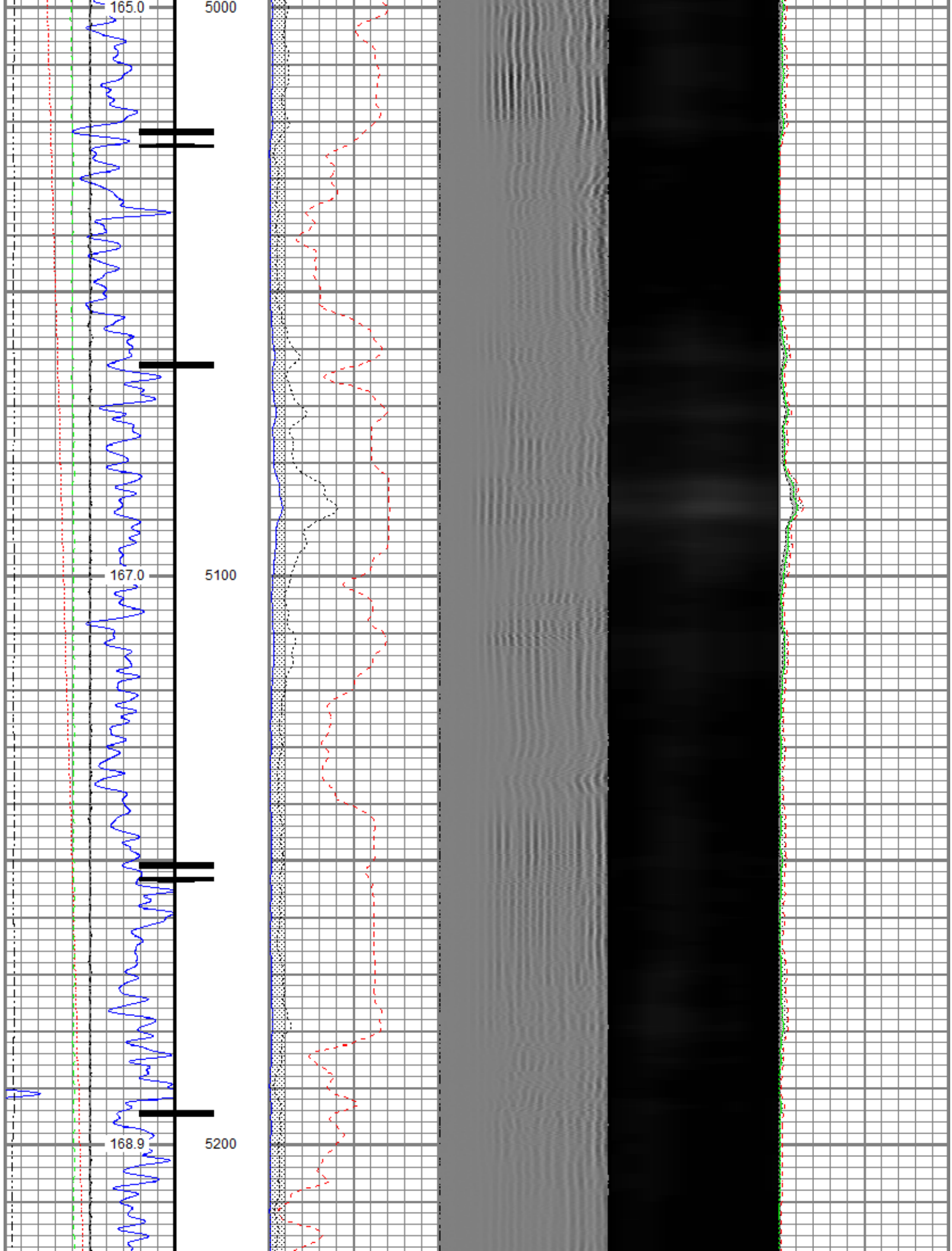


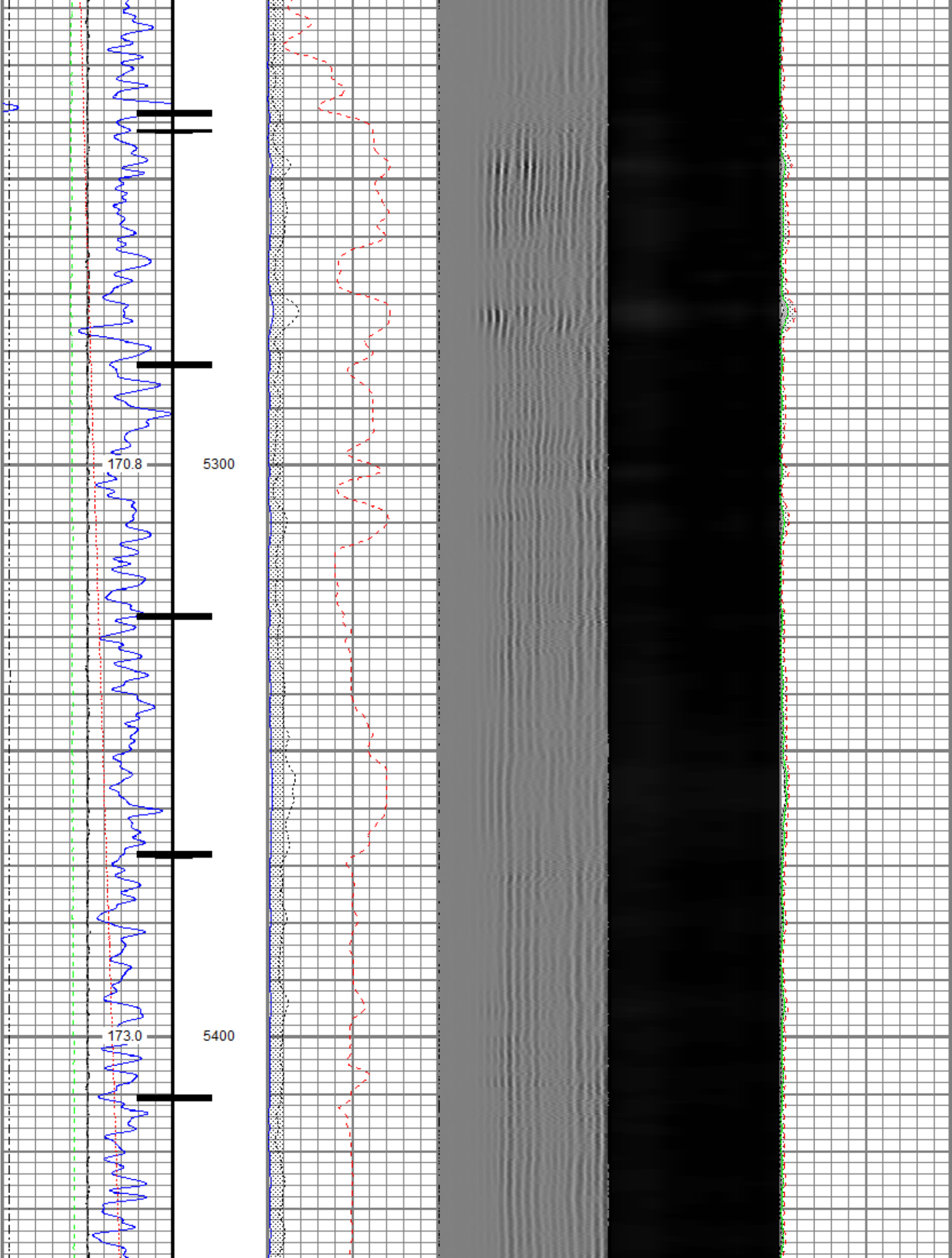


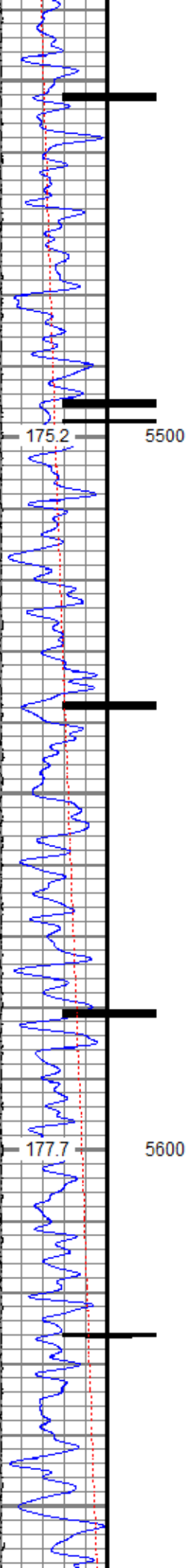




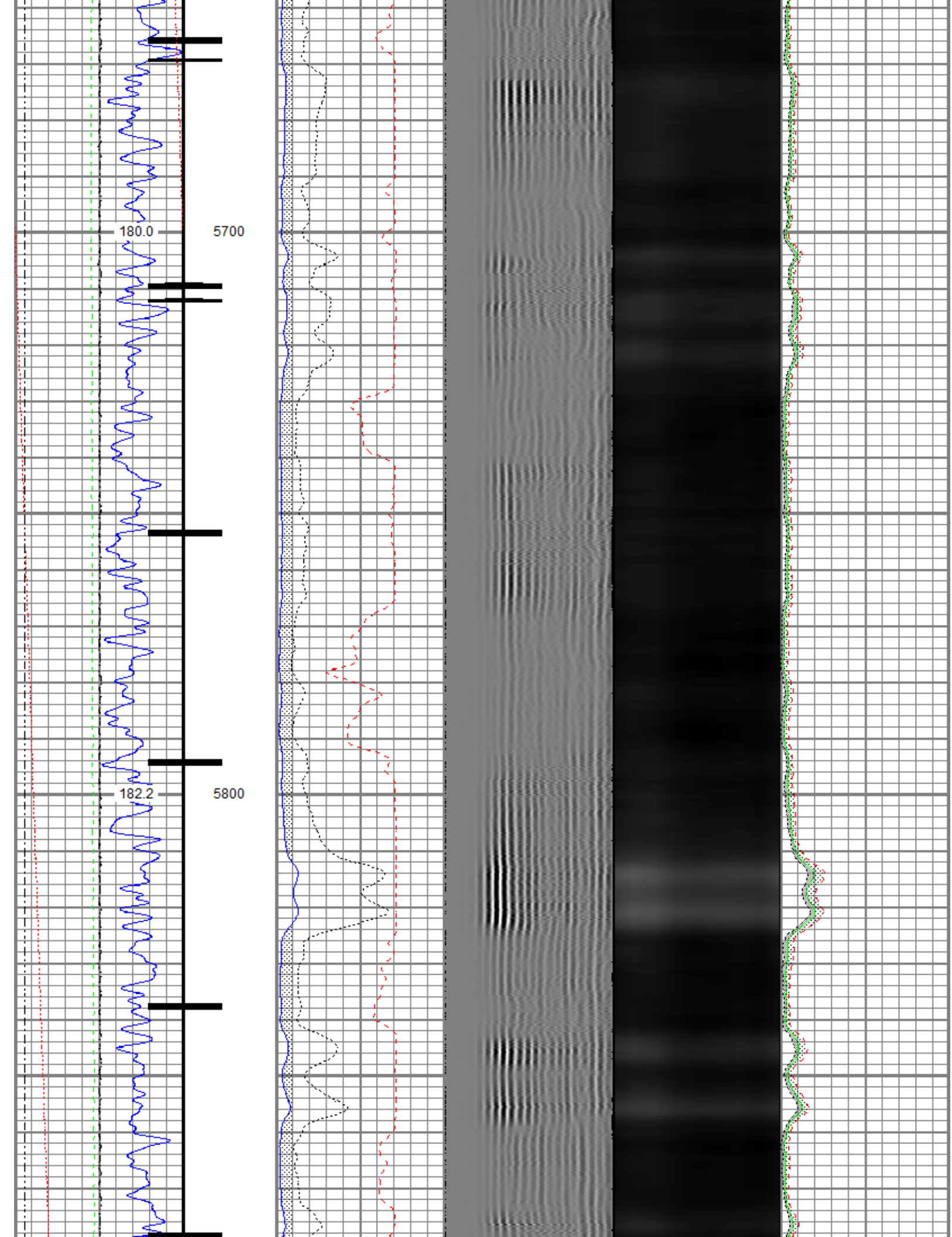


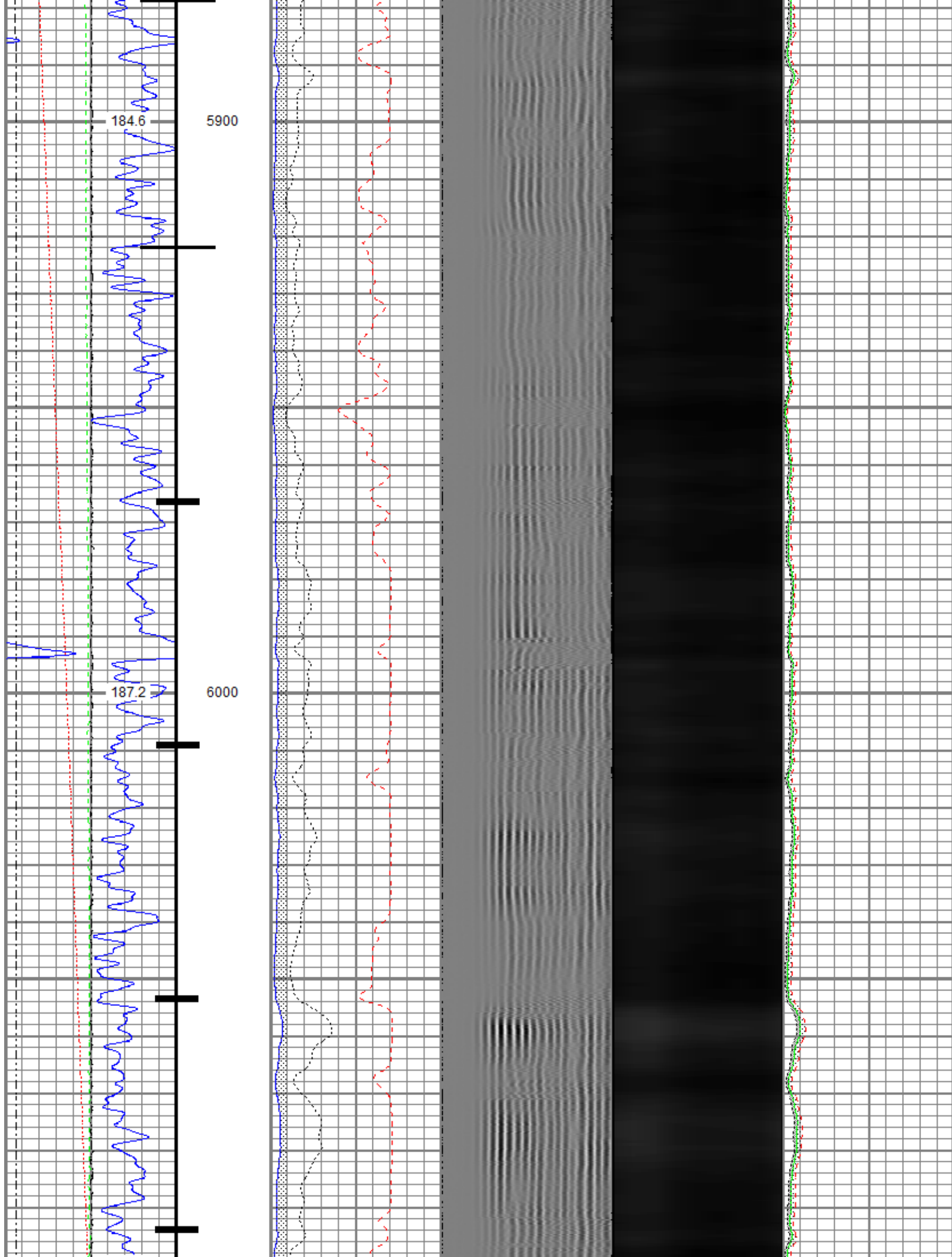






177.7 5600





189.7

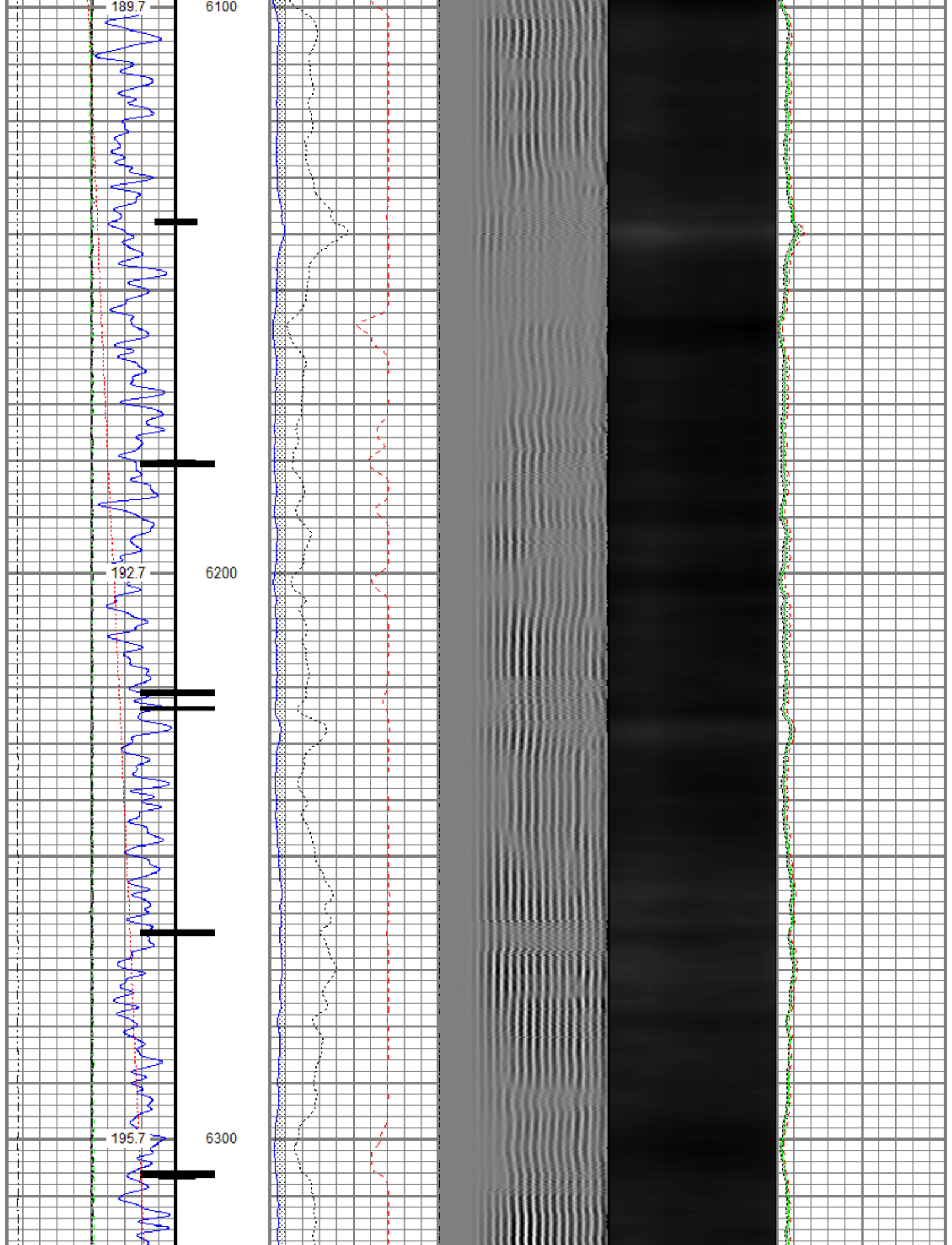
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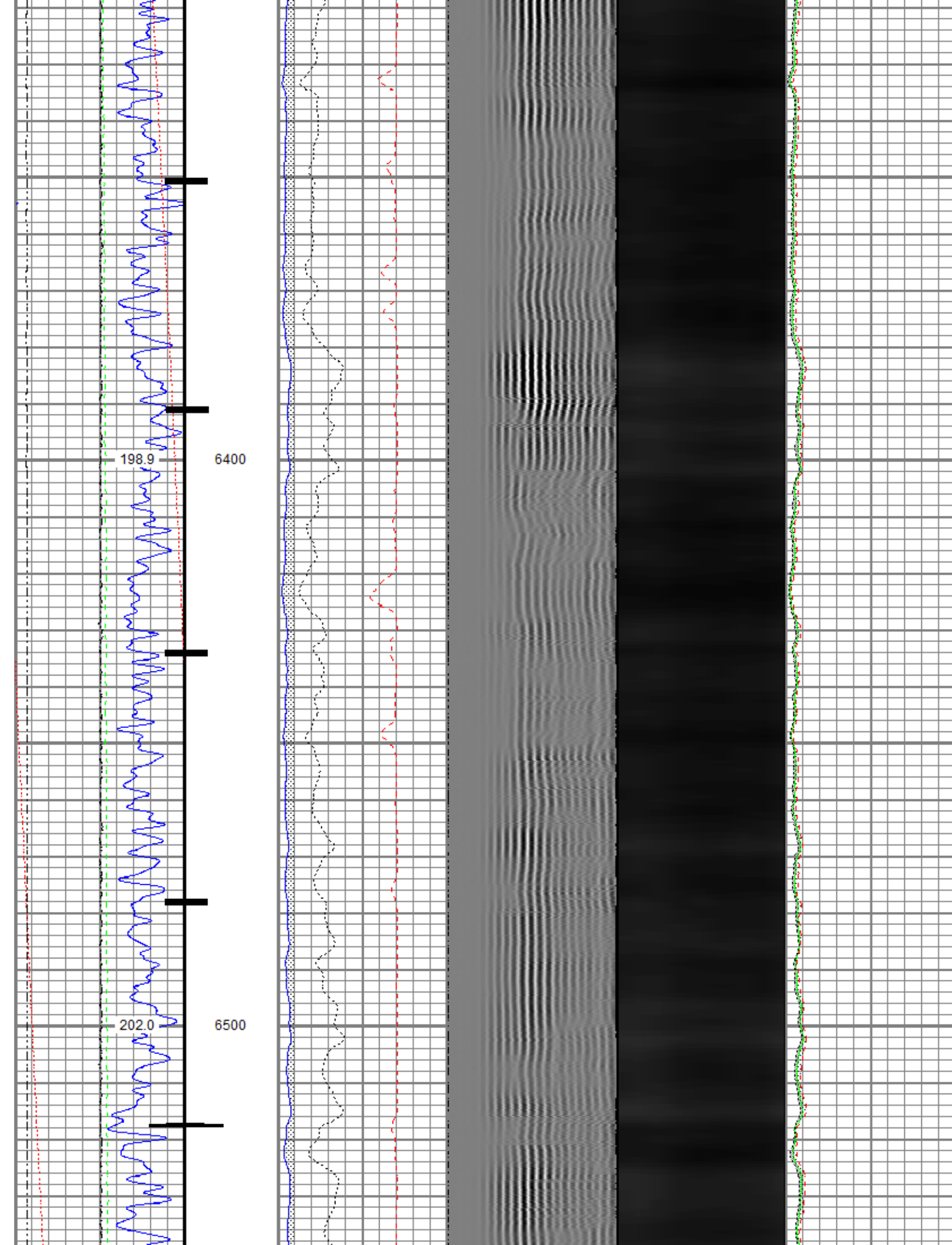
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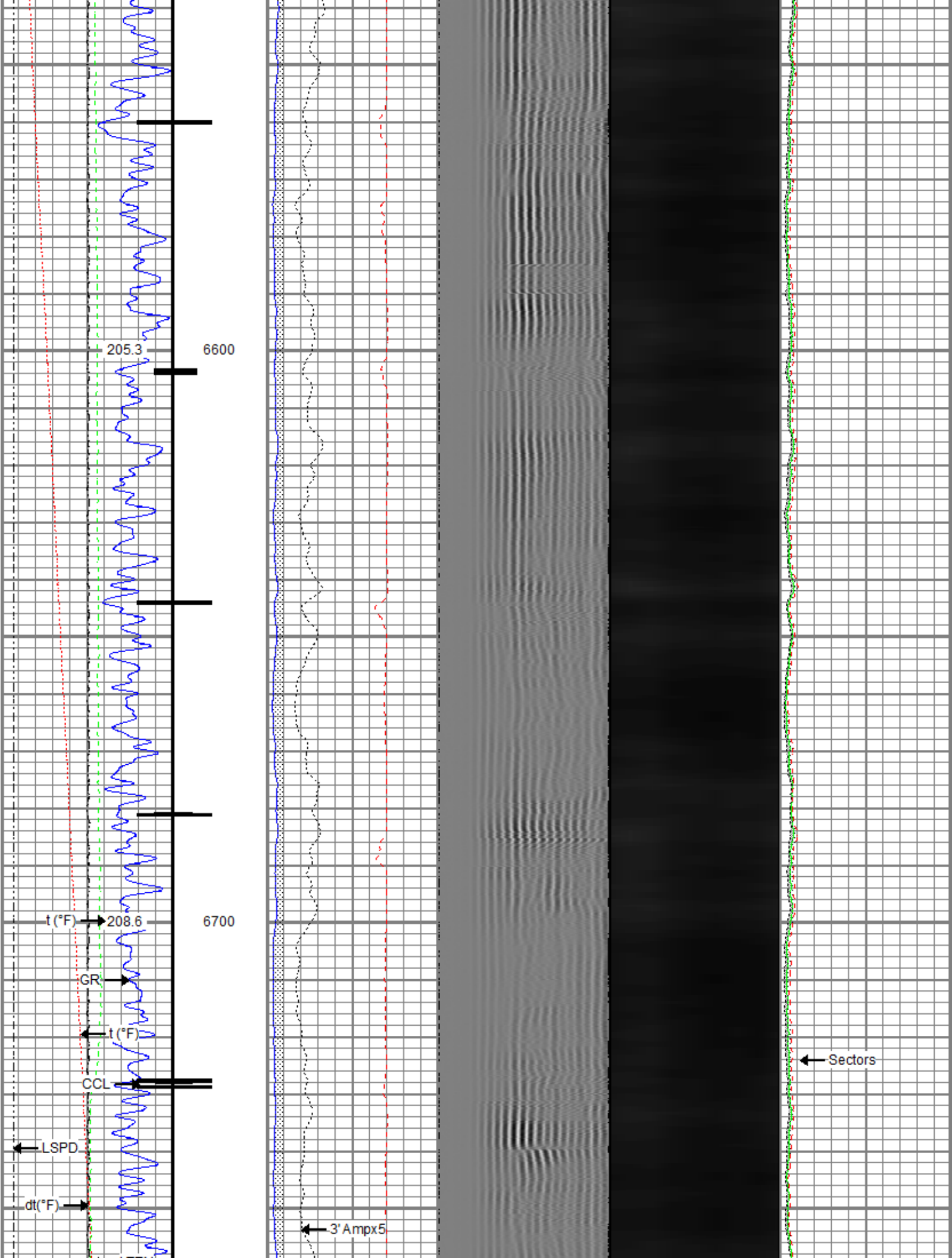
6200

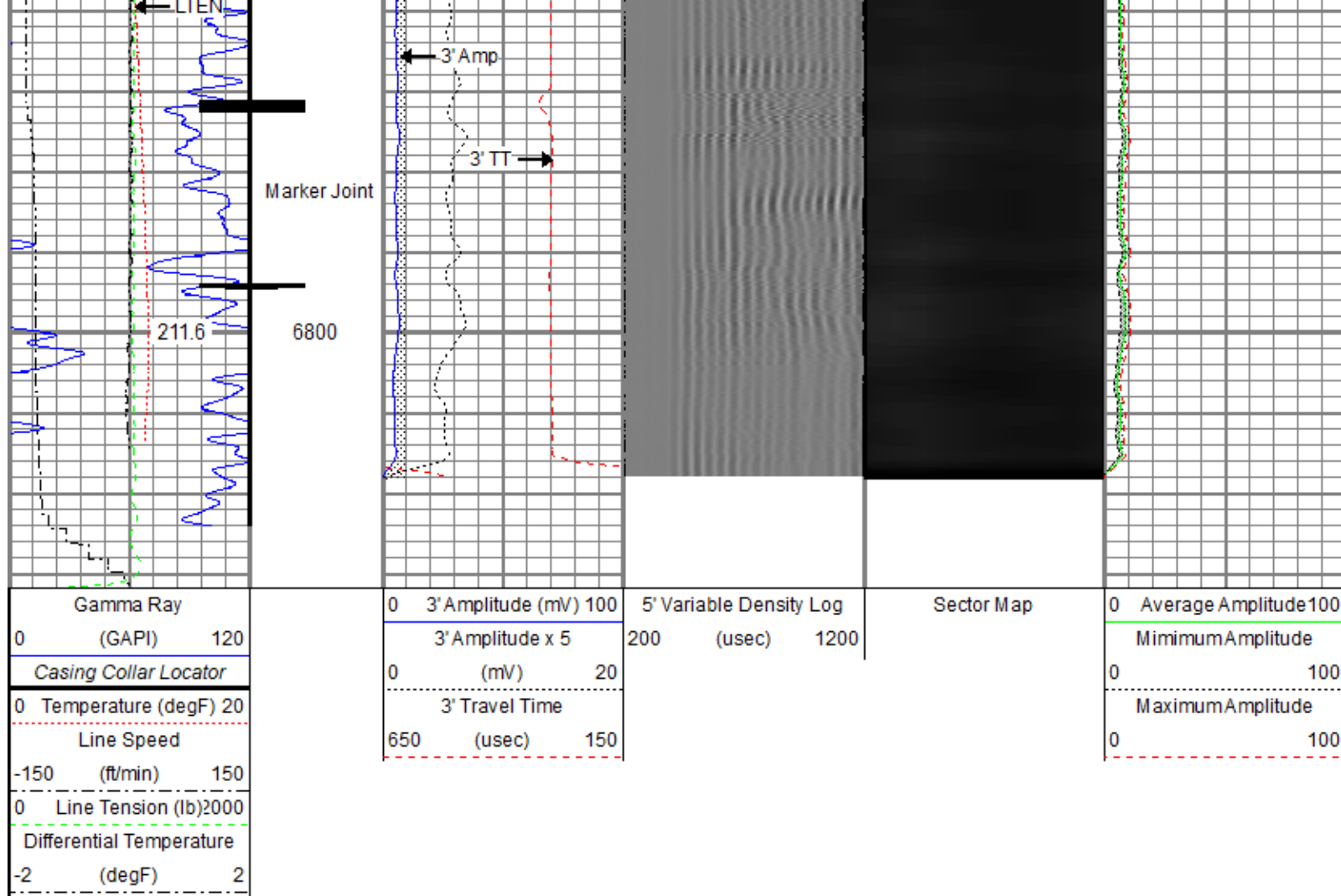
195.7

6300





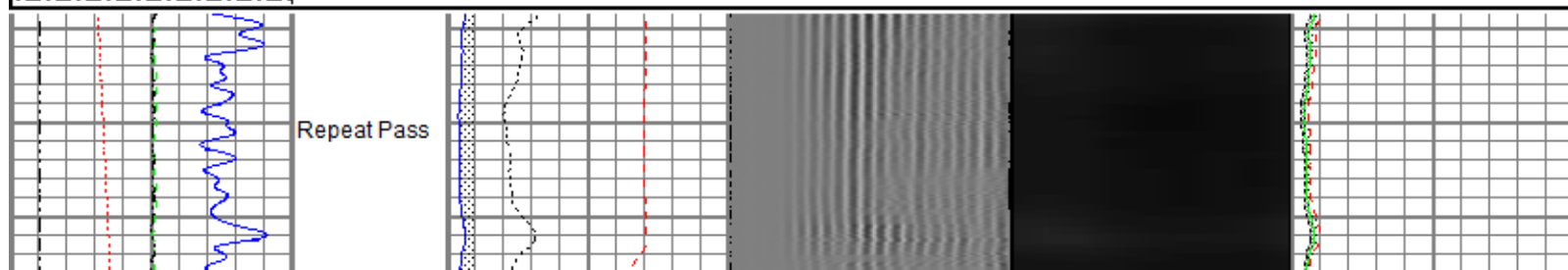
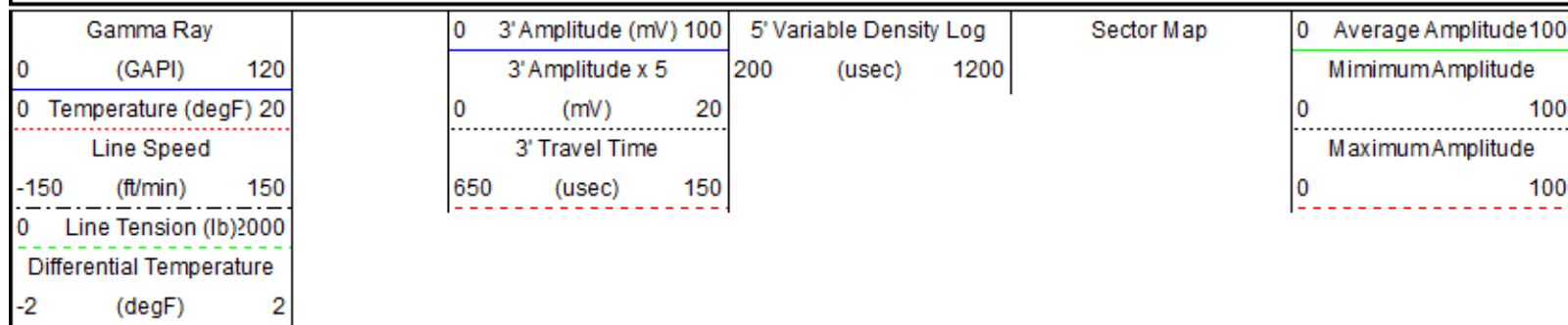


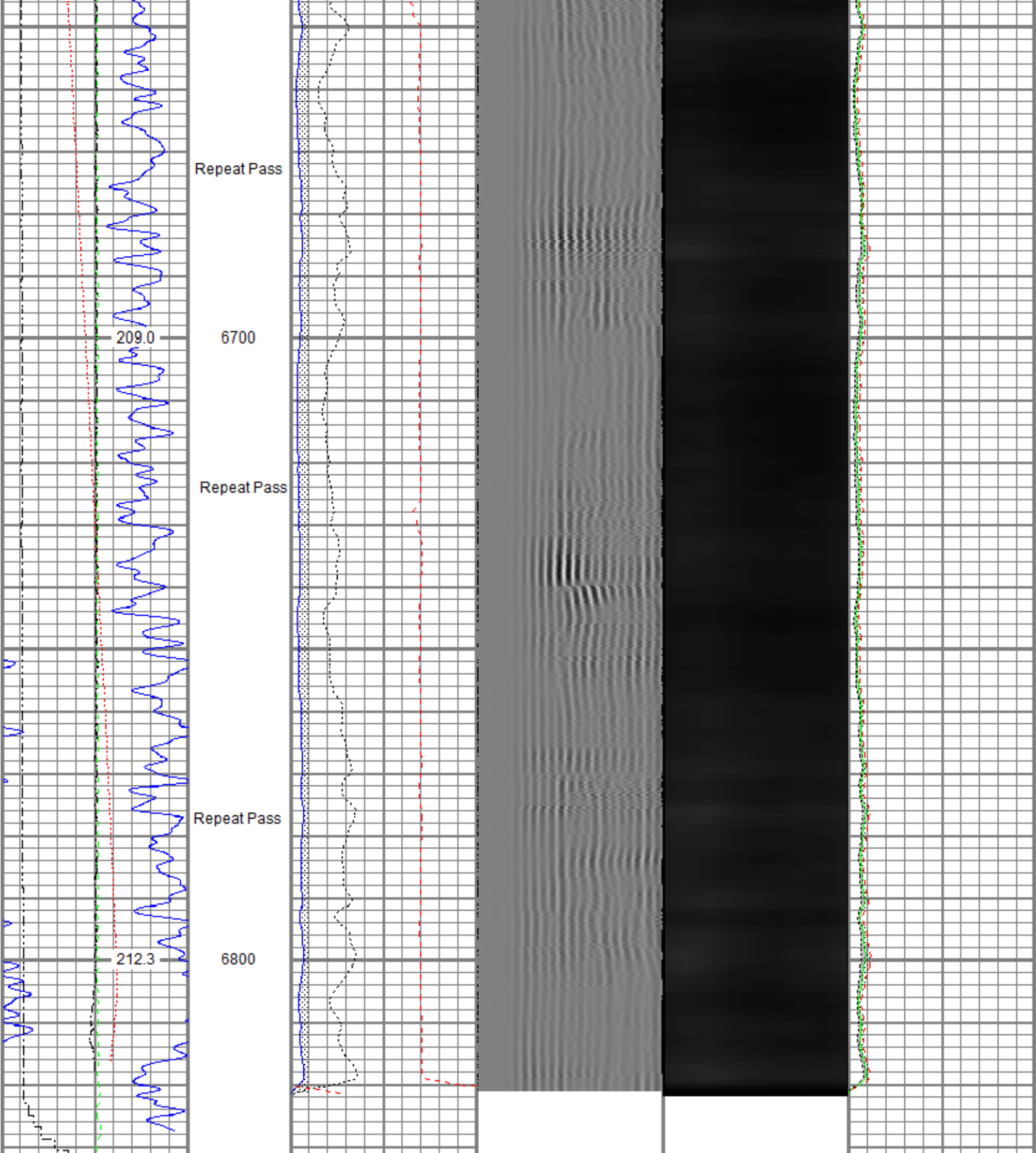


Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

Database File: anadarko\azul 13-8hz\0512345910_anadarko_azul 13-8hz_rbl_05-13-18_2800 psi.db
 Dataset Pathname: pass2
 Presentation Format: ros_radrii
 Dataset Creation: Sun May 13 15:21:44 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 (usec) 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												

Total Weight: 229.00 lb
O.D.: 2.75 in

Calibration Report

Database File C:\ProgramData\Warrior\Data\Anadarko\Azul 13-8HZ\0512345910_Anadarko_Azul 13-8HZ_RBL_05-13-18_2800 PSI.db
Dataset Pathname pass5.1
Dataset Creation Sun May 13 16:17:57 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: FW1305-096
Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
Calibration Depth: 0.000 ft

Master Calibration, performed Sun May 13 05:54:26 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.436	0.800	71.921	164.727	0.066
CAL	0.004	0.441				
5'	0.004	0.411	0.800	71.921	174.736	0.032
SUM						
S1	0.005	0.439	0.000	100.000	230.391	-1.069
S2	0.004	0.441	0.000	100.000	229.166	-0.990
S3	0.004	0.437	0.000	100.000	231.073	-0.979
S4	0.004	0.435	0.000	100.000	232.272	-1.041
S5	0.004	0.435	0.000	100.000	232.002	-0.901
S6	0.004	0.433	0.000	100.000	233.171	-1.047
S7	0.004	0.435	0.000	100.000	231.877	-0.934
S8	0.005	0.435	0.000	100.000	232.595	-1.085

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.441	1.000	0.000

Air Zero Calibration, performed Sun May 13 05:54:51 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.004		0.000		0.000	
5'	0.004		0.000		-0.000	
SUM						
S1	0.004		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	0.004	0.000	-0.000
S8	0.005	0.000	0.000

Temperature Calibration Report

Serial Number: FW1305-096
Tool Model: 2750 RBT
Performed: Sun Nov 12 13:42:10 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 Azul 13-8HZ
Field Wattenberg
County Weld
State Colorado