



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.

Log ran as per customer request
Depth referenced to Casing Tally reported Floating Sub at 7893 FT
Adjusted -13 FT to correlate with Floating Sub
Gauge Ring/Junk Basket ran to 8700 FT
Log ran with 2000 PSI Surface Induced Pressure
Logging tools were clean and free of debris upon completion of operations

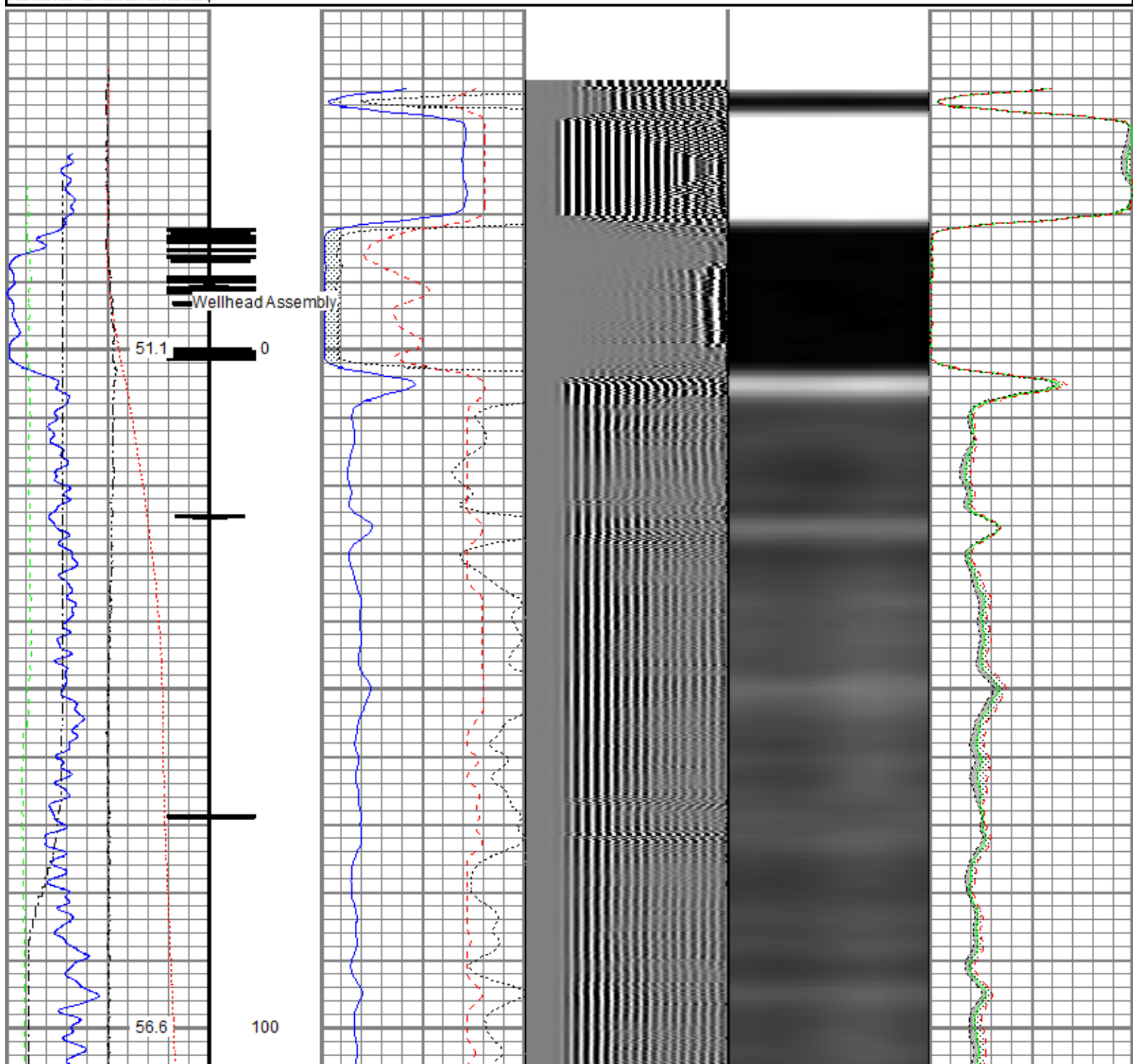
Thank you for choosing Reliance Oilfield Services, LLC!!

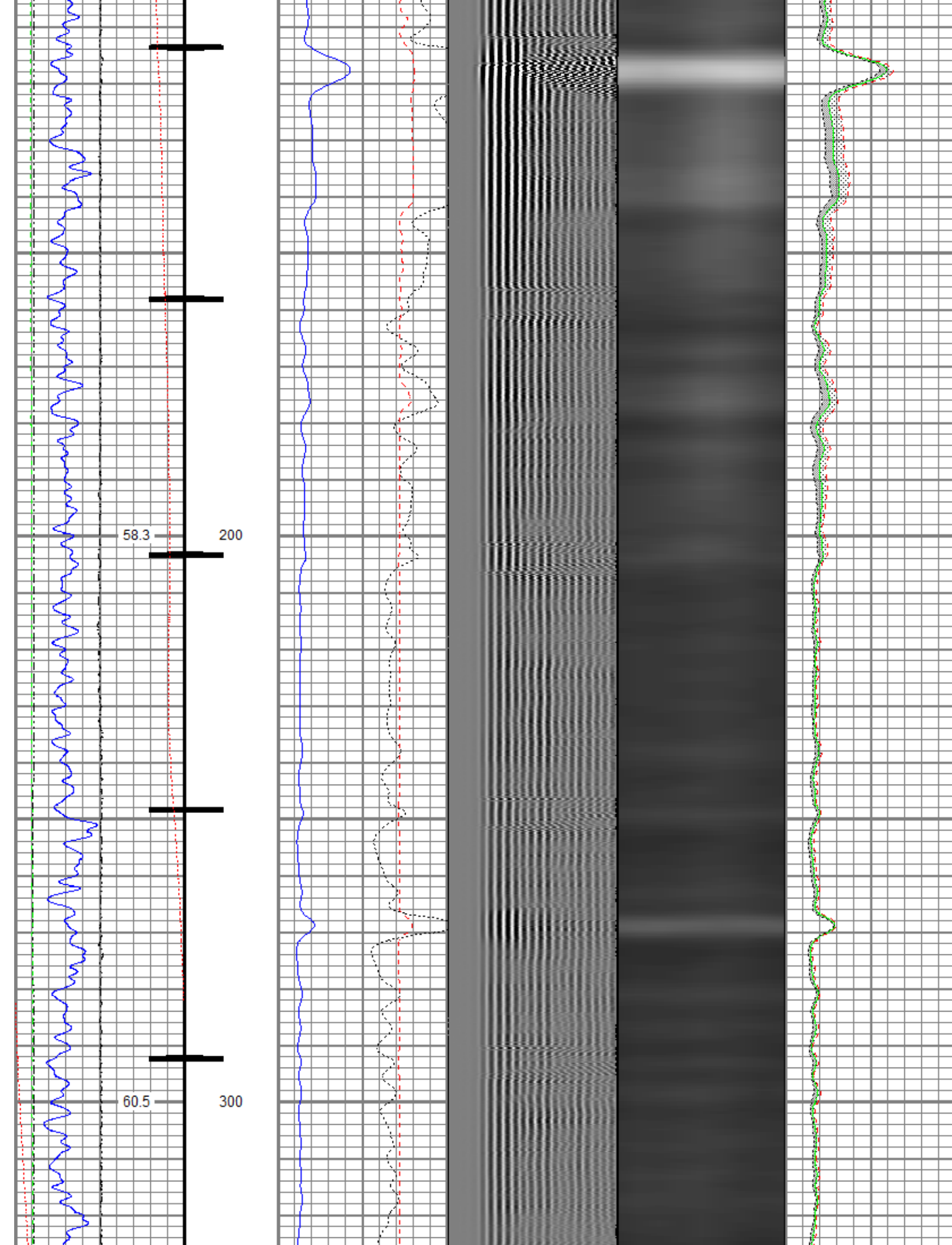
Main Pass

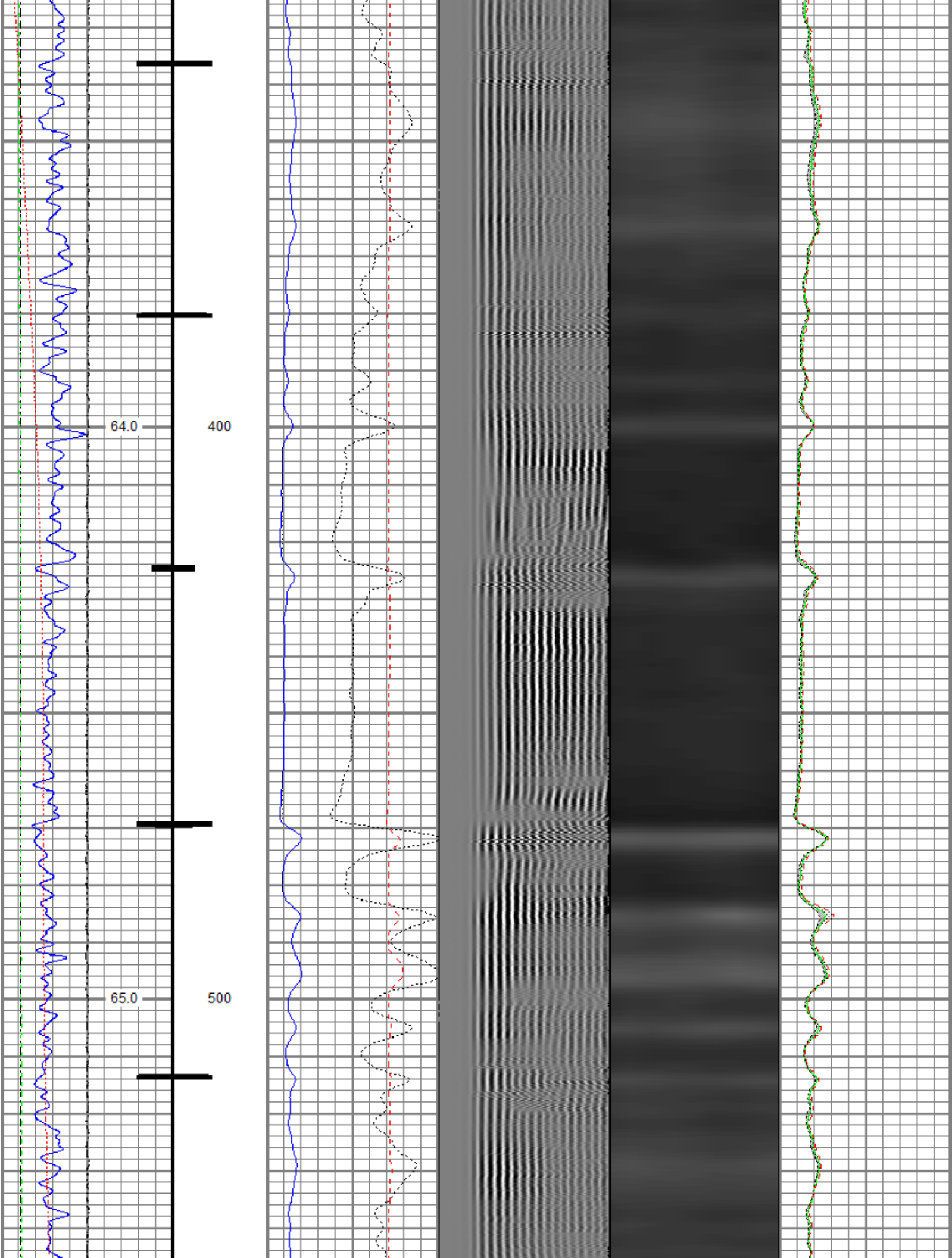


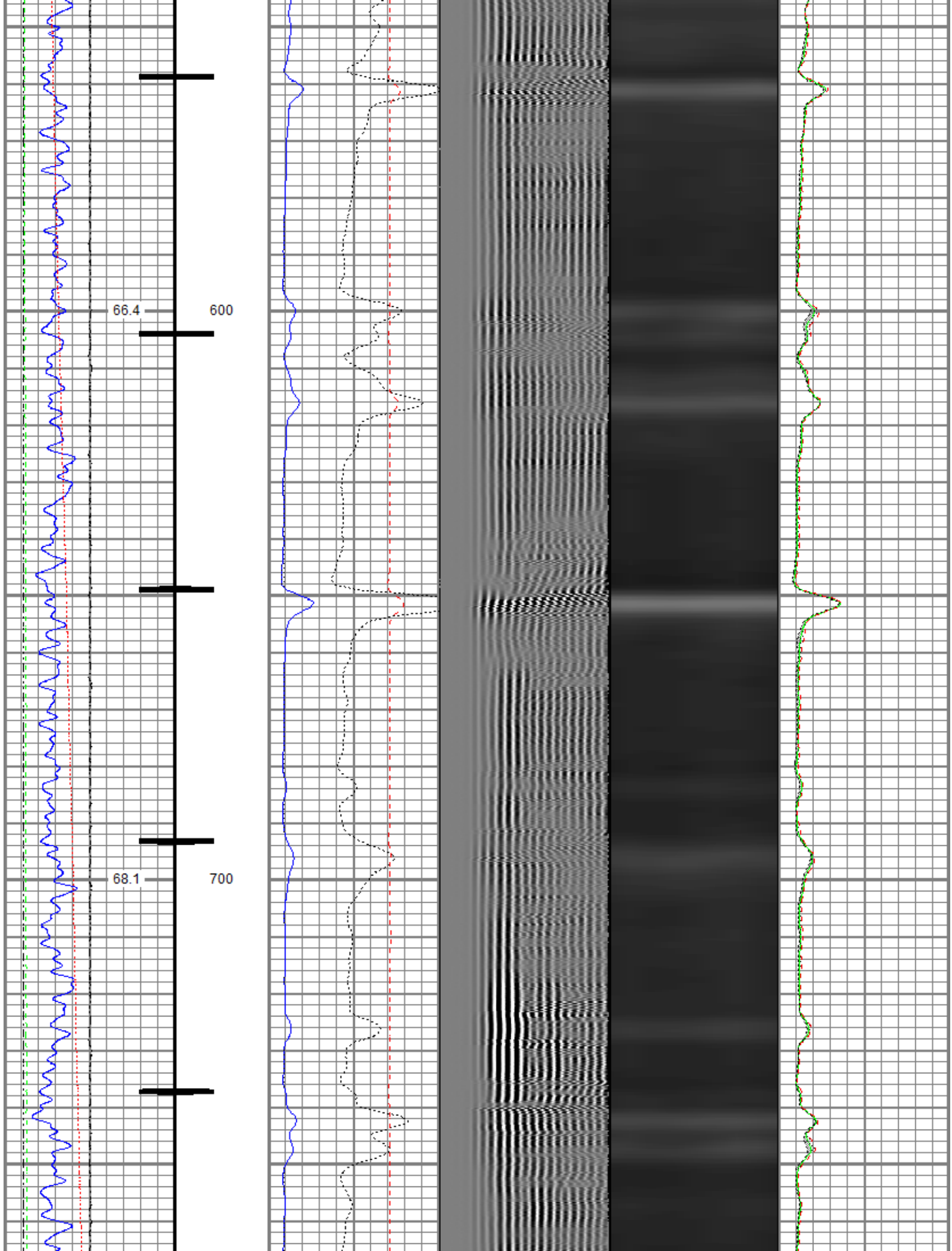
Database File	clear creek_true ranch fee 502-2326h\clear creek_true ranch fee 502-2326h_rbl_11-27-18.db
Dataset Pathname	RCBL/pass8.1
Presentation Format	ros_radri
Dataset Creation	Tue Nov 27 13:08:38 2018
Charted by	Depth in Feet scaled 1:240

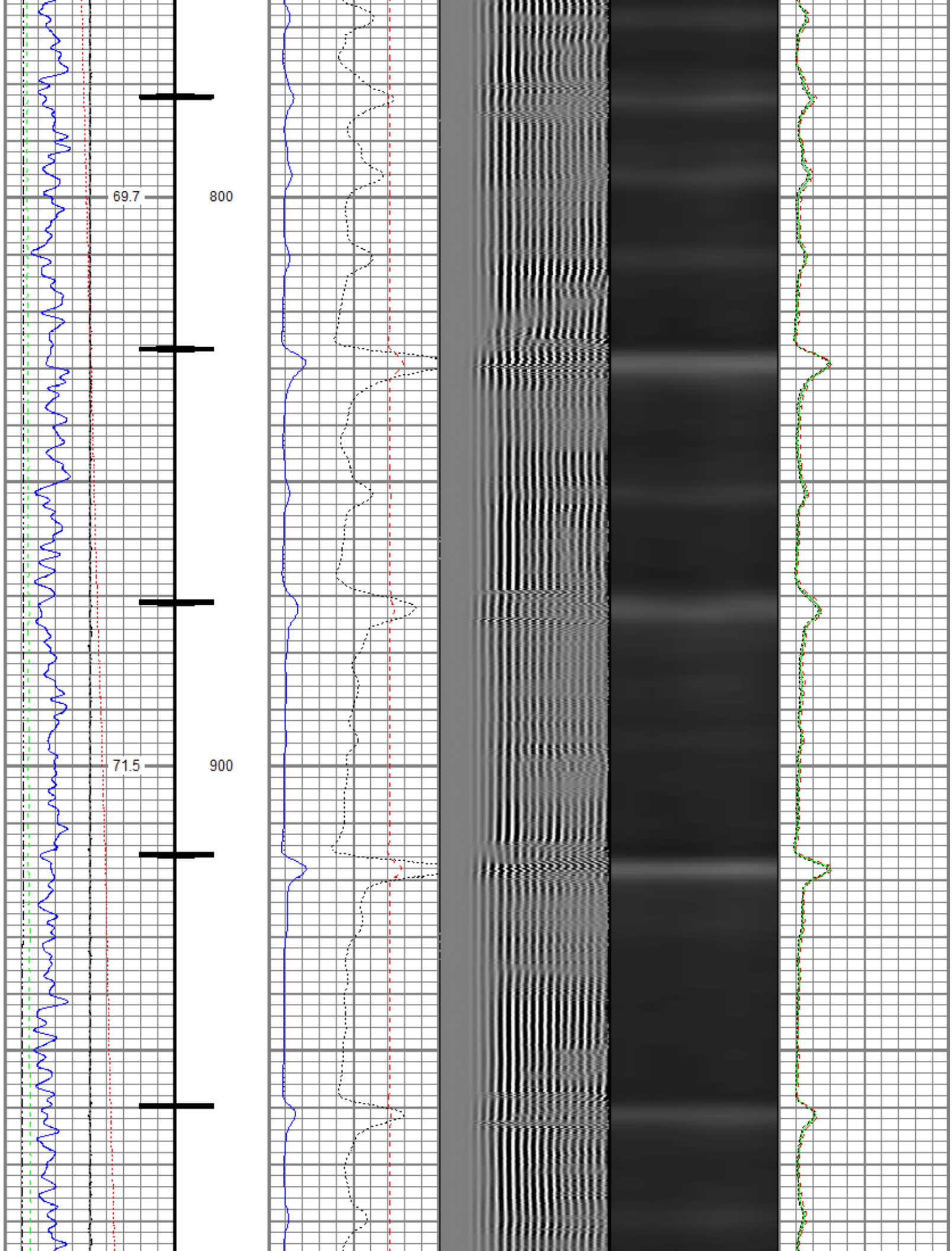
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200 (usec) 1200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
(ft/min) 150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

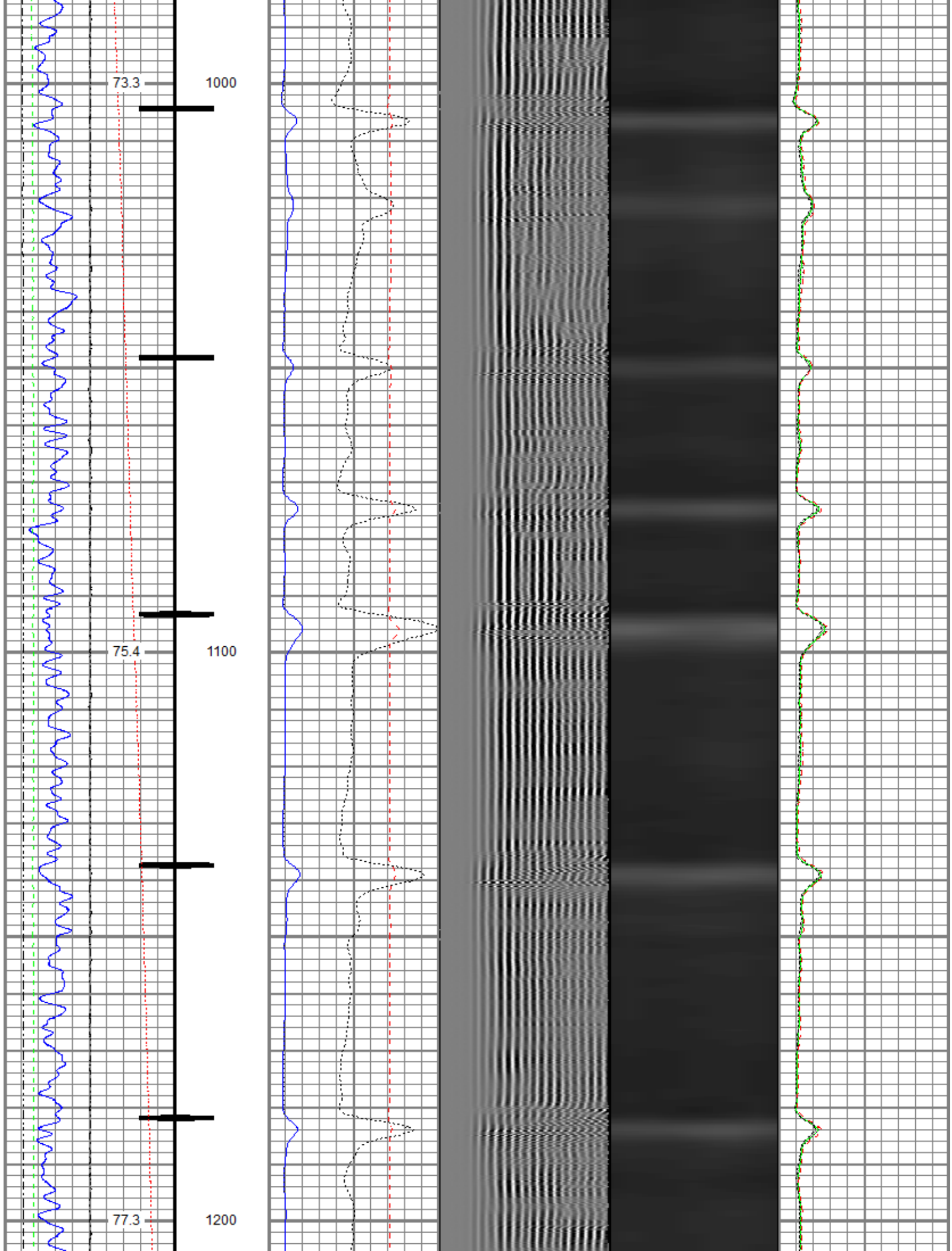


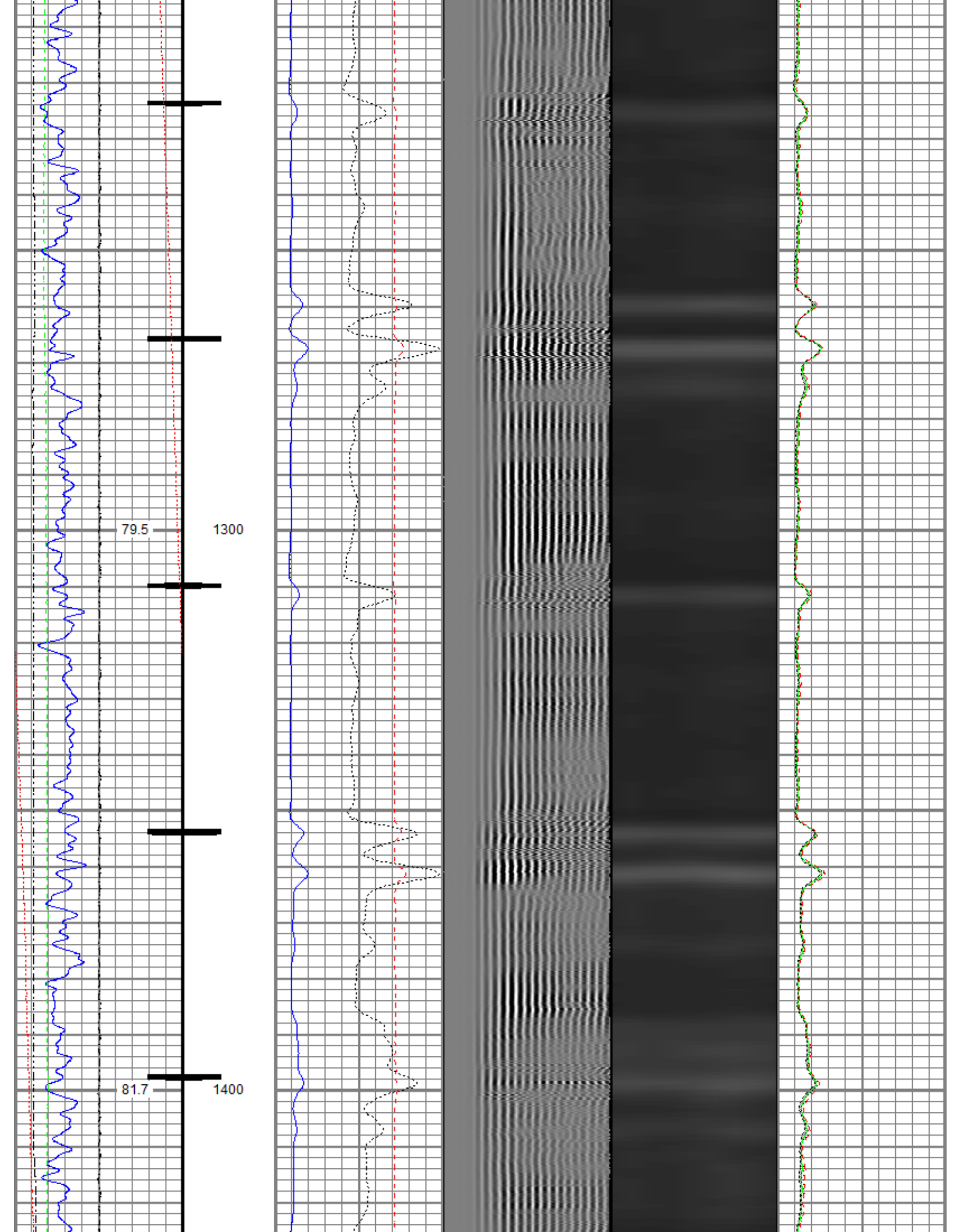


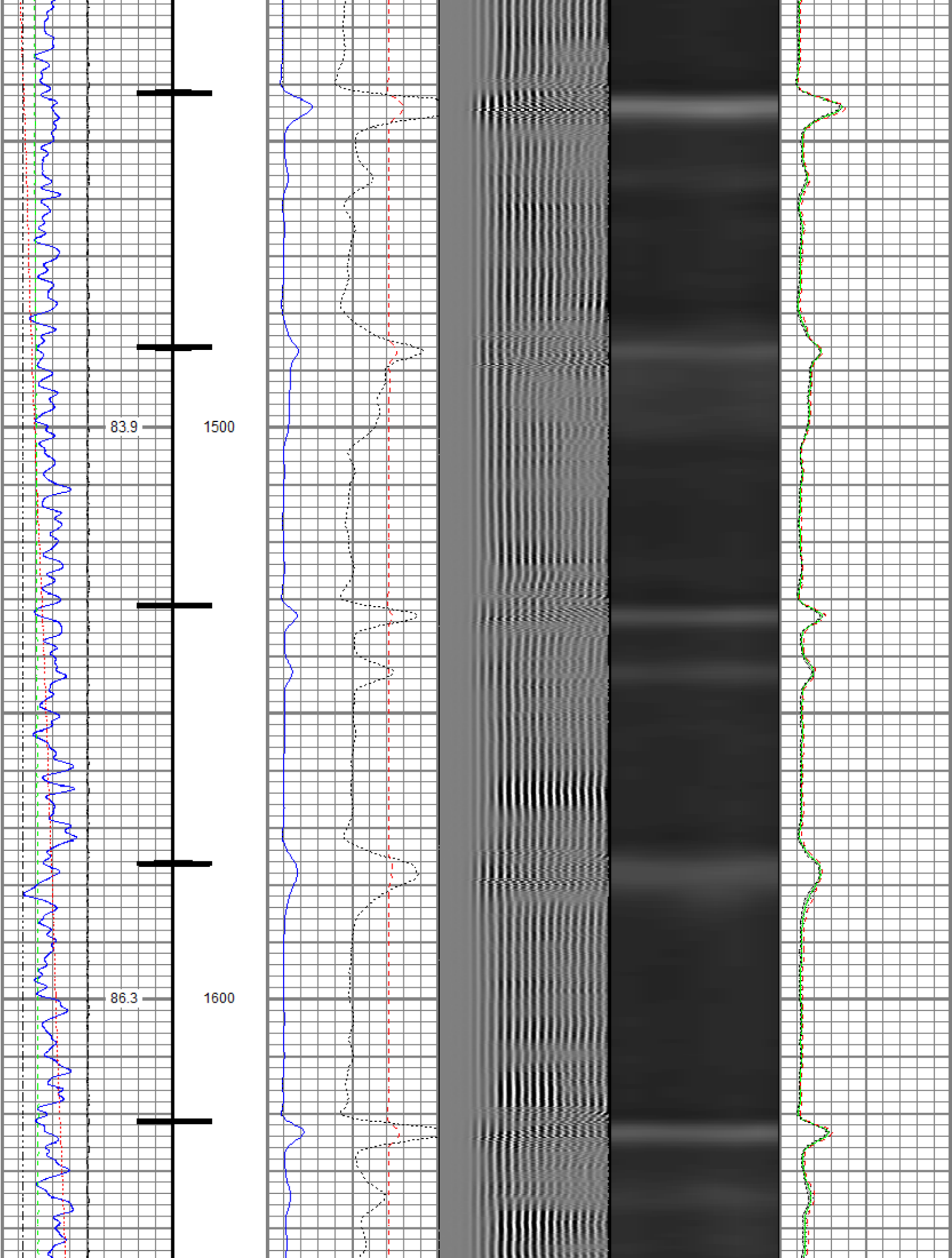


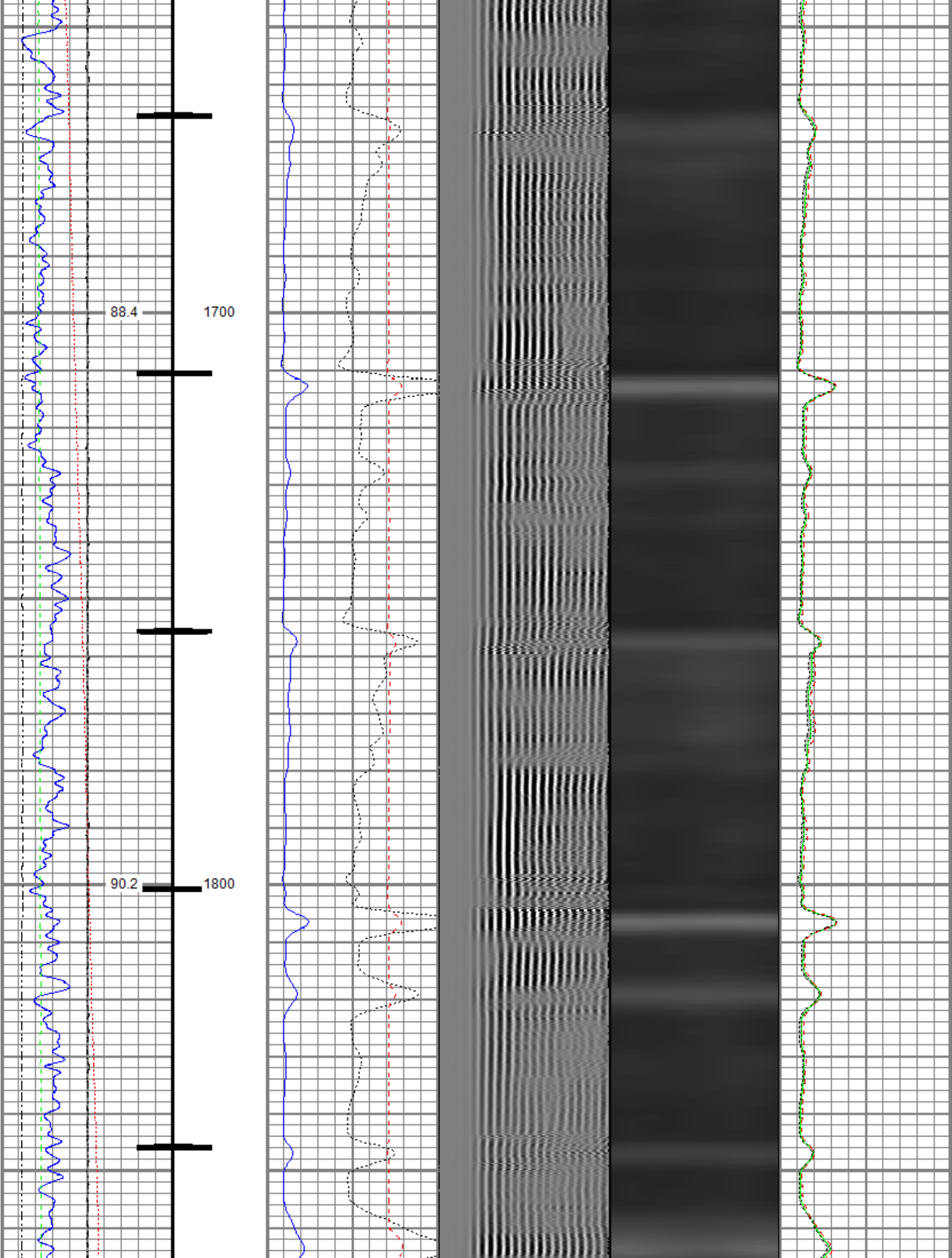


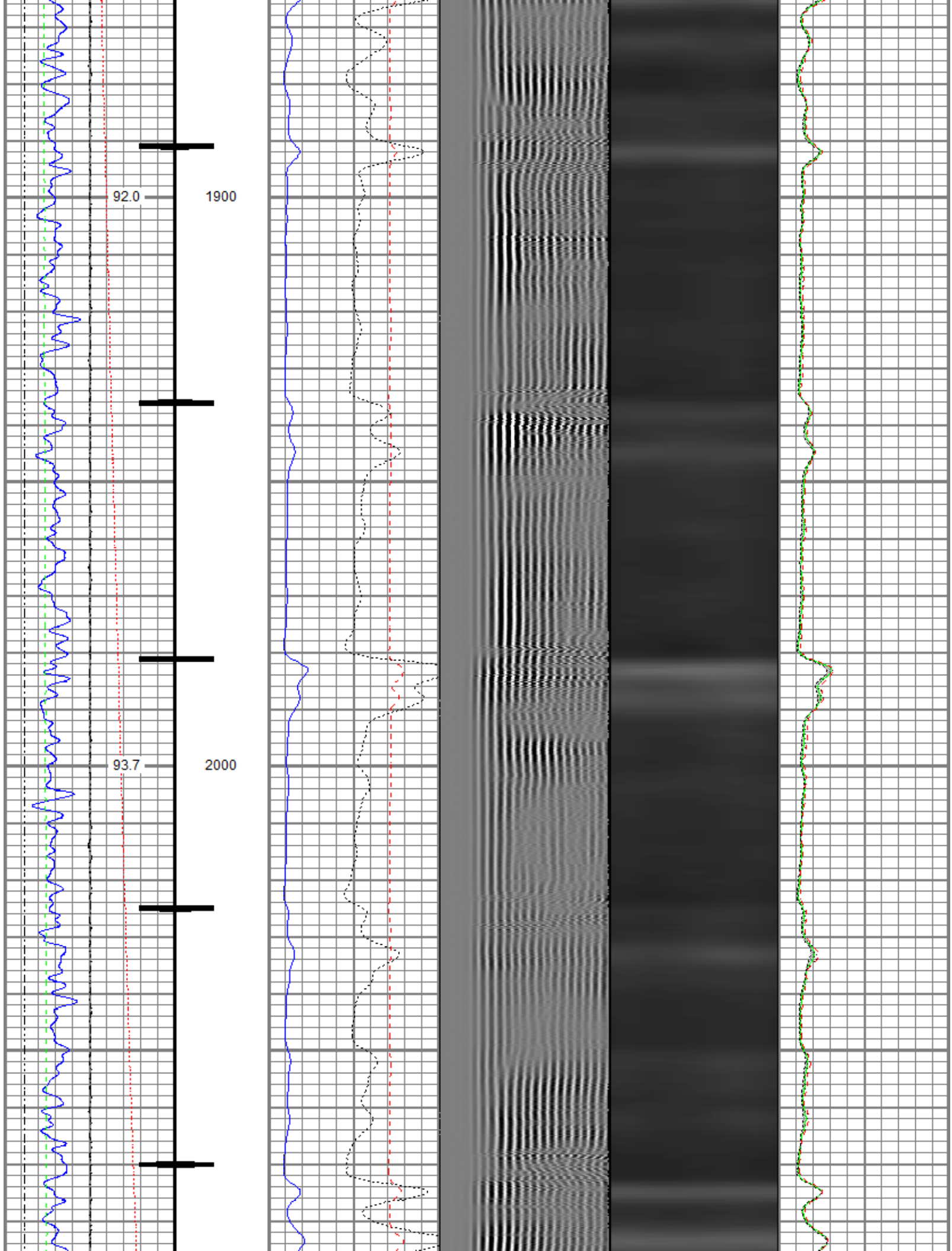


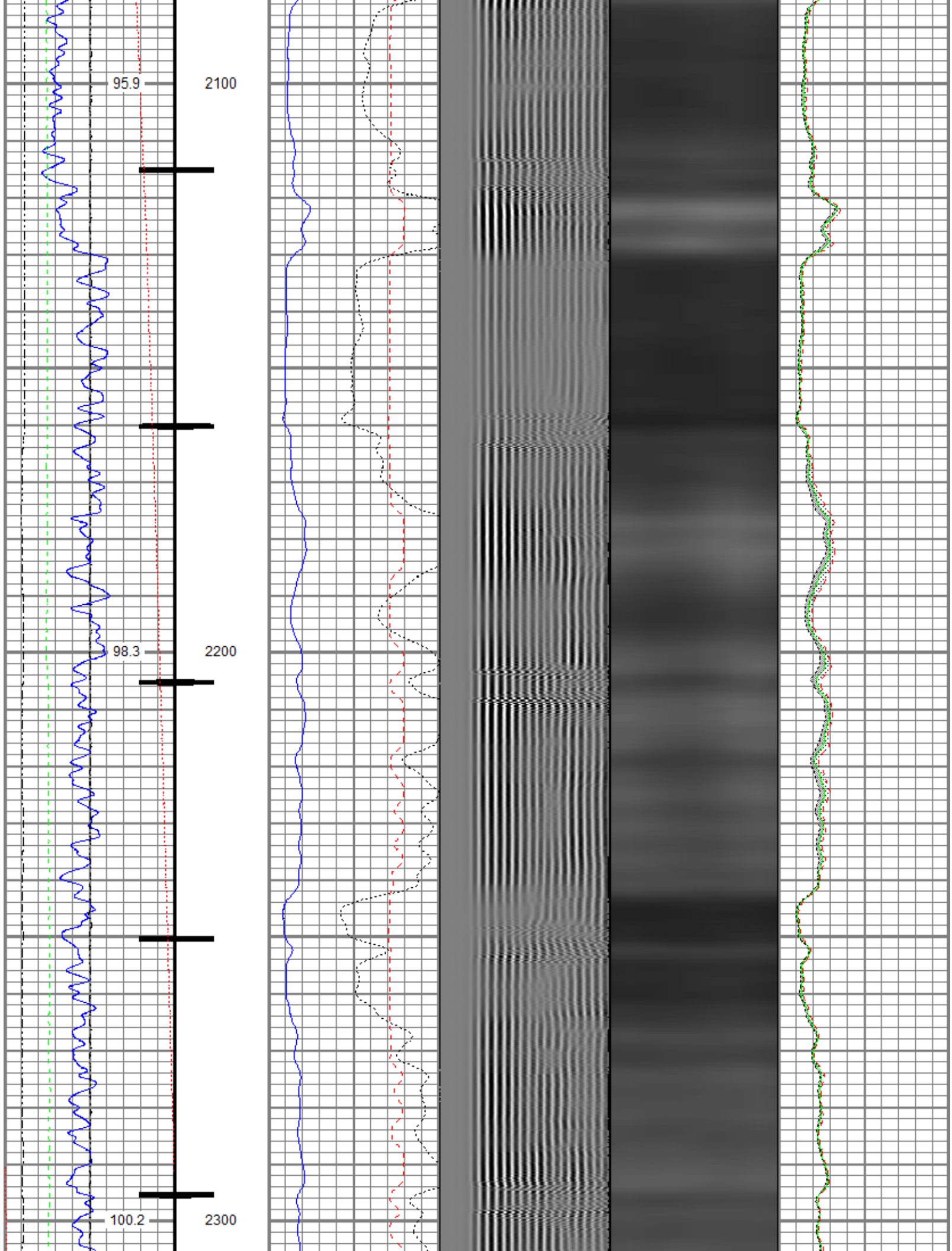


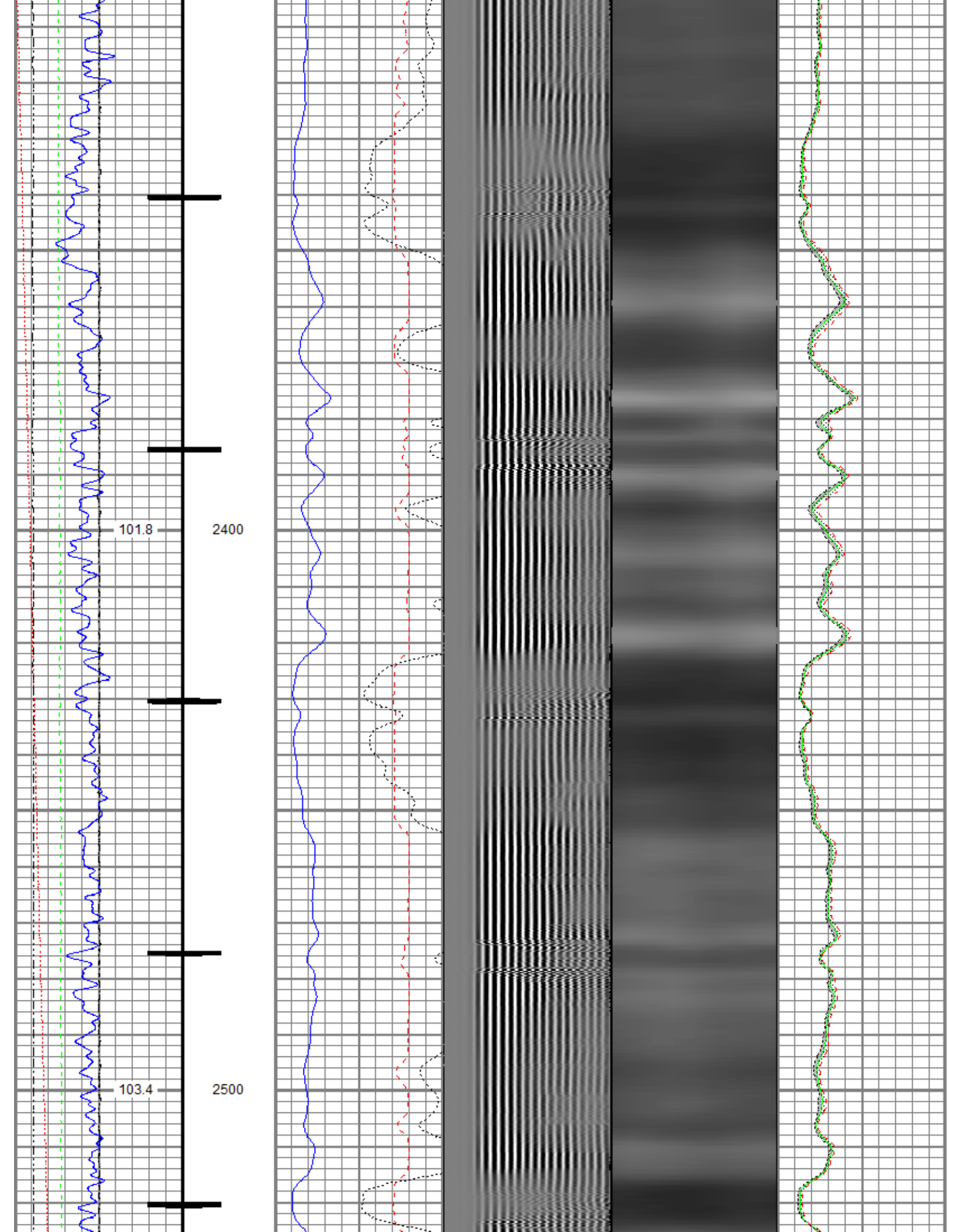


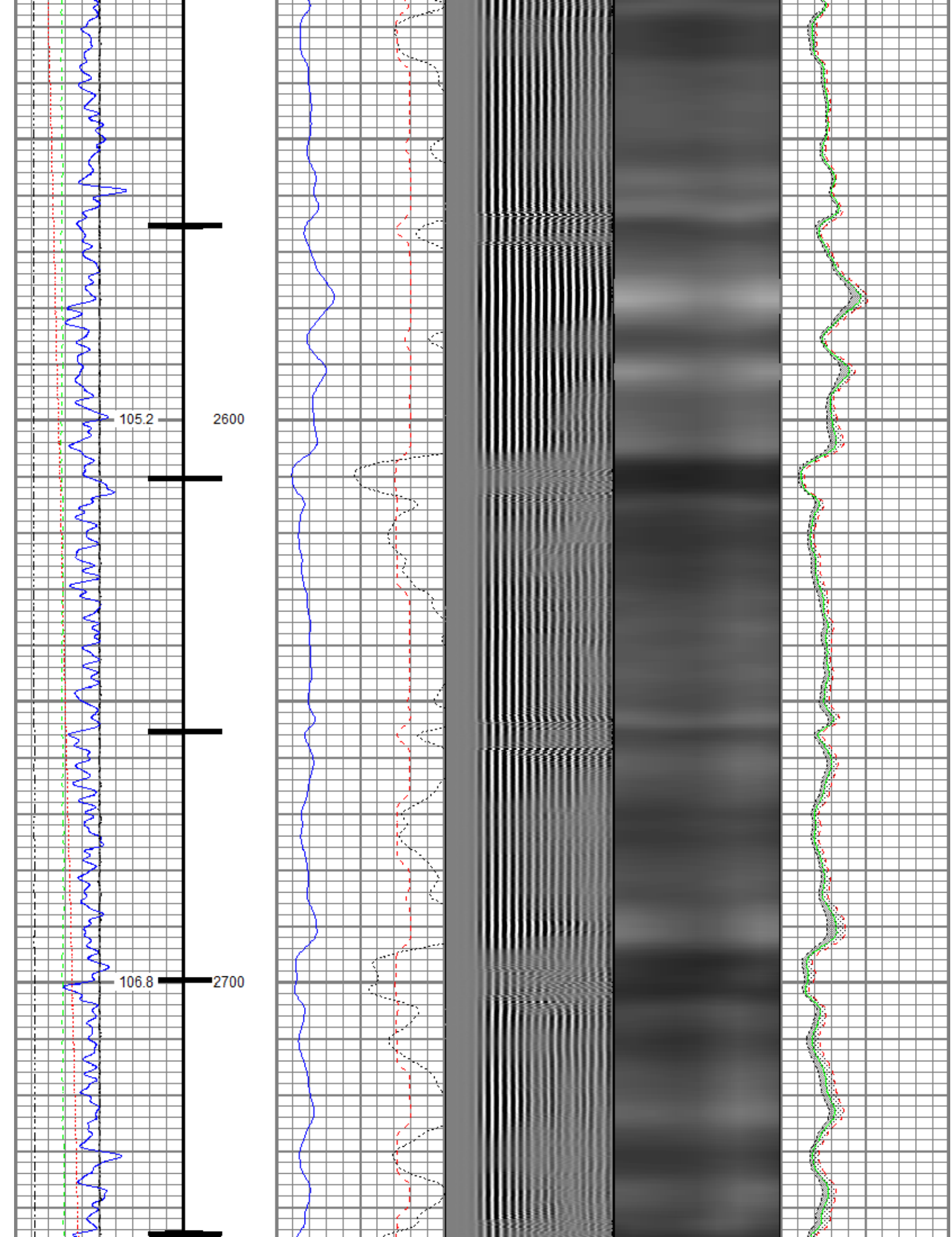


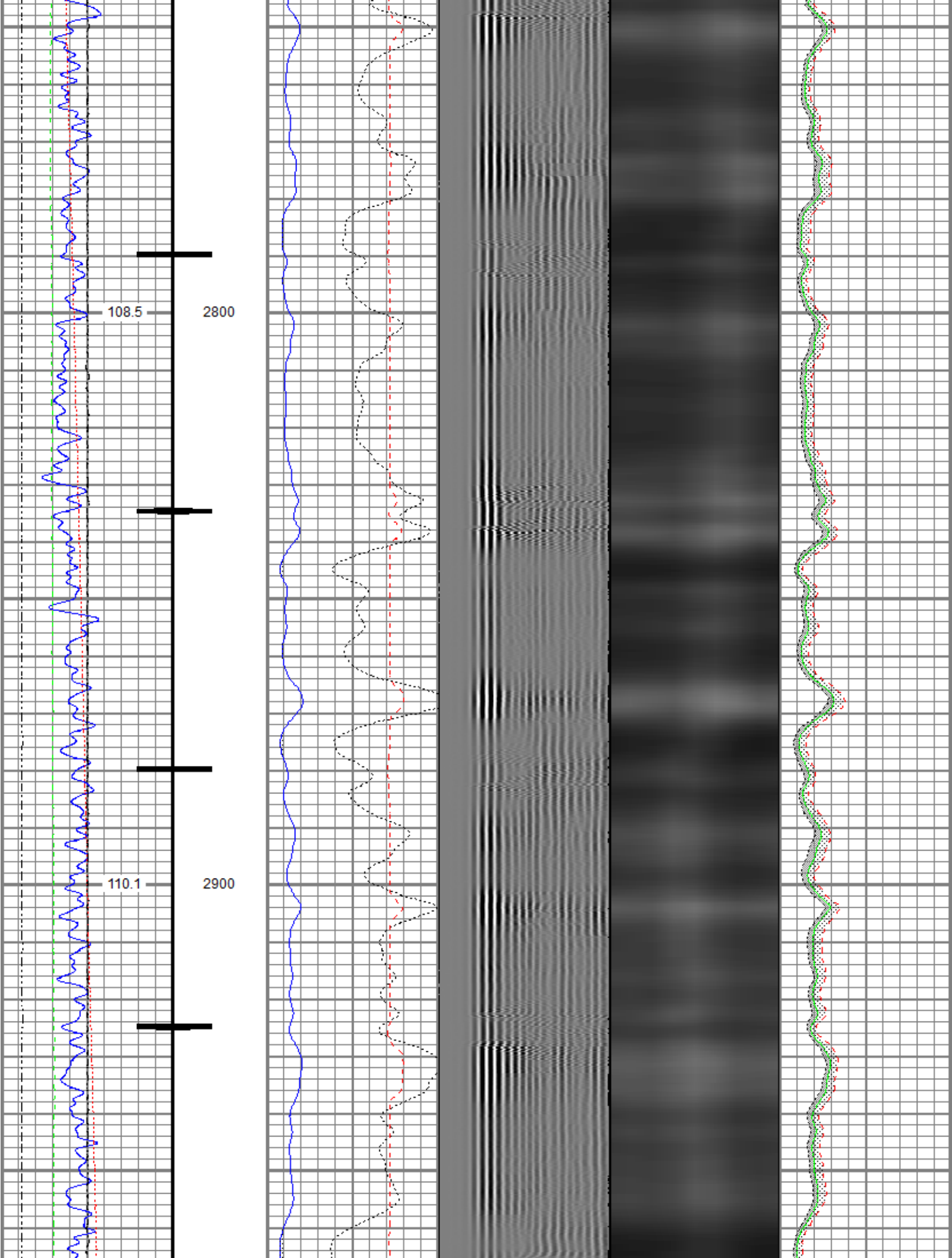


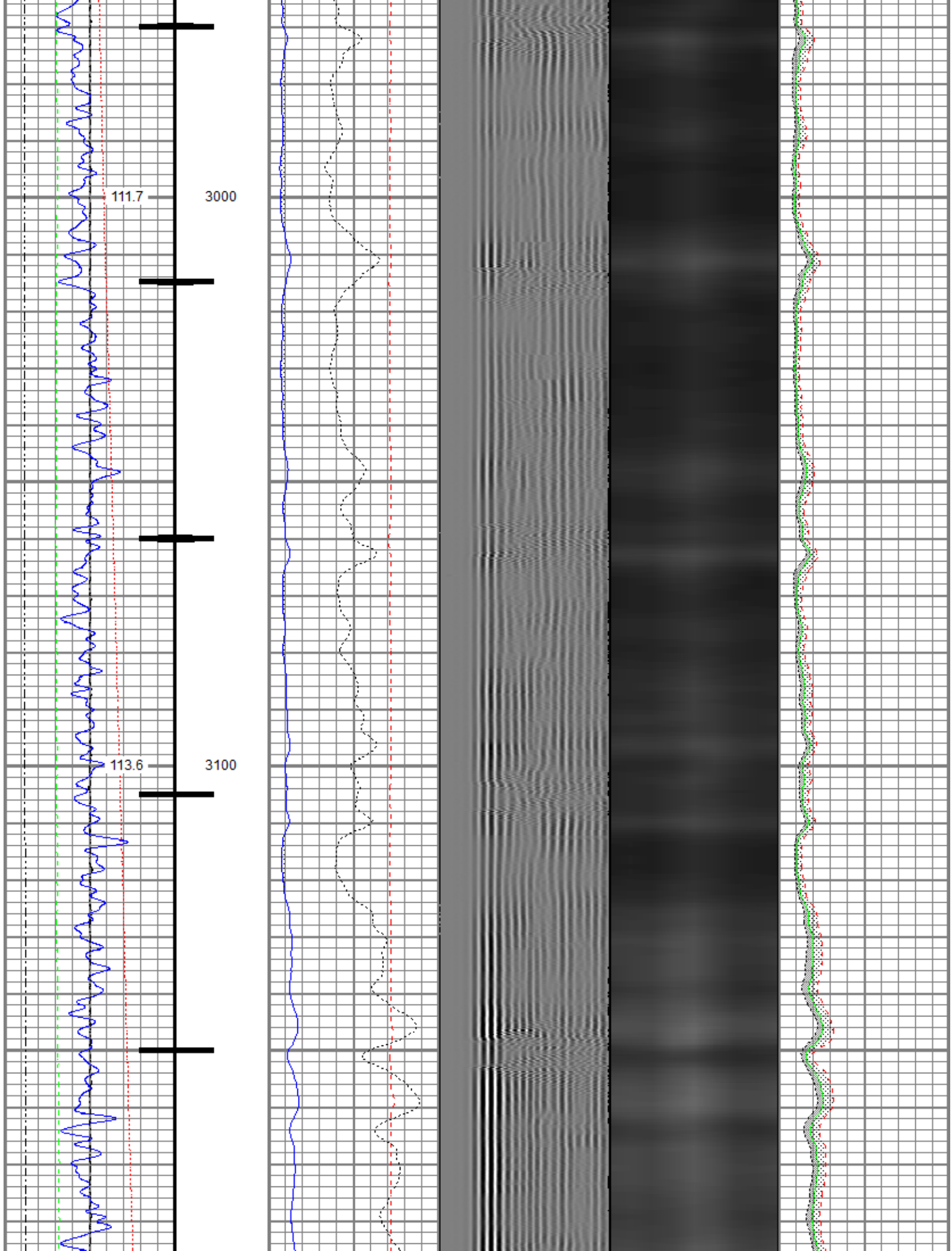


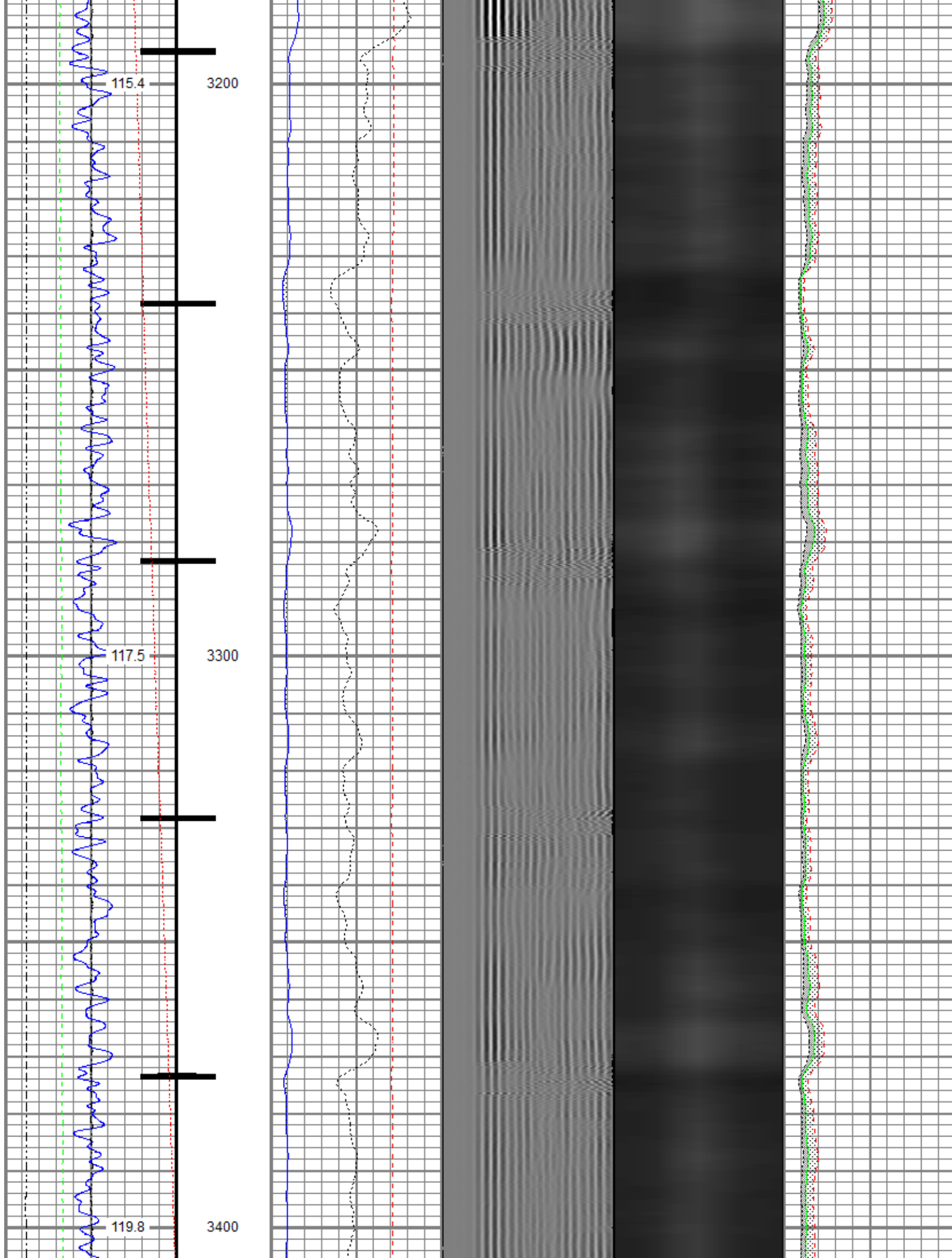


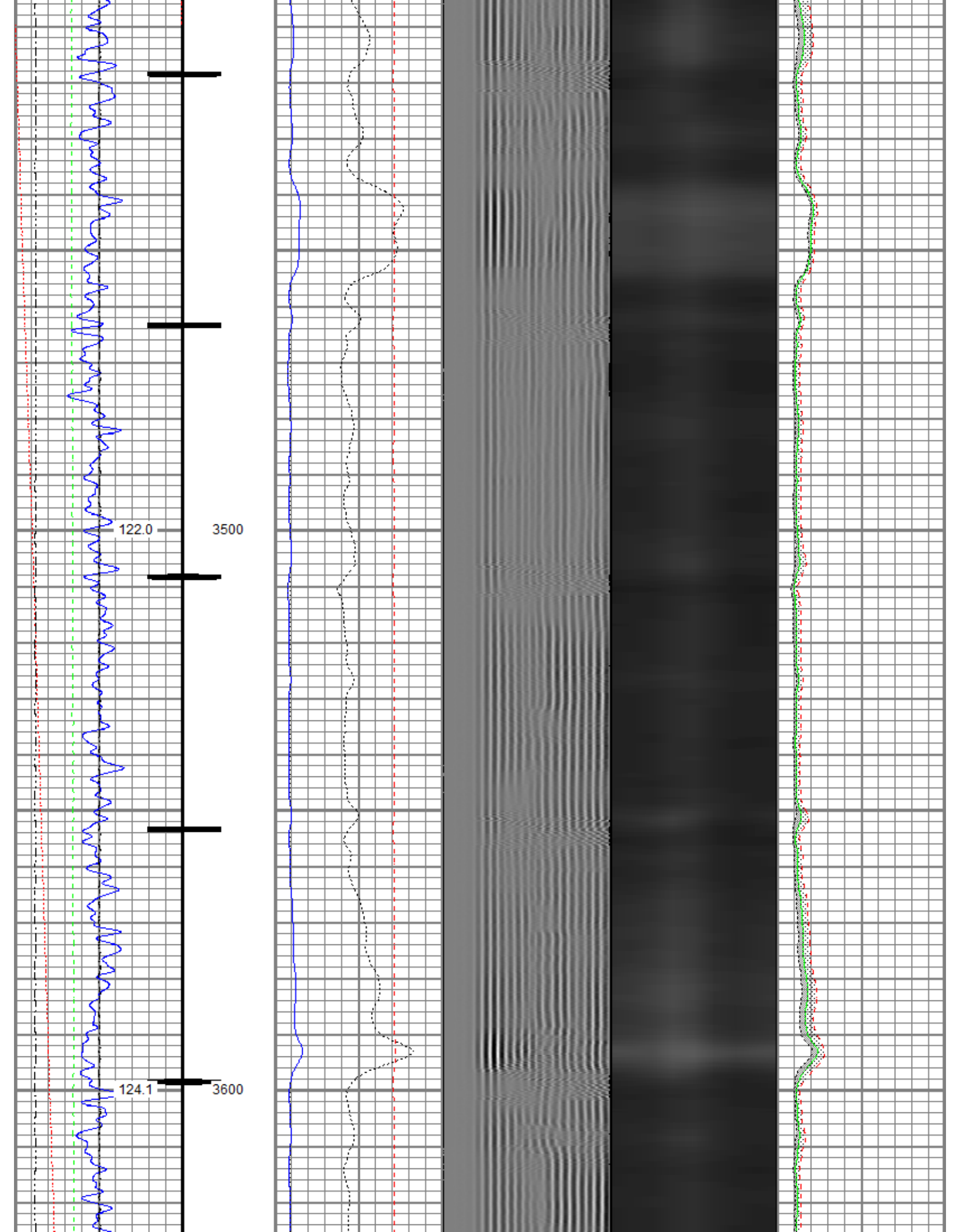


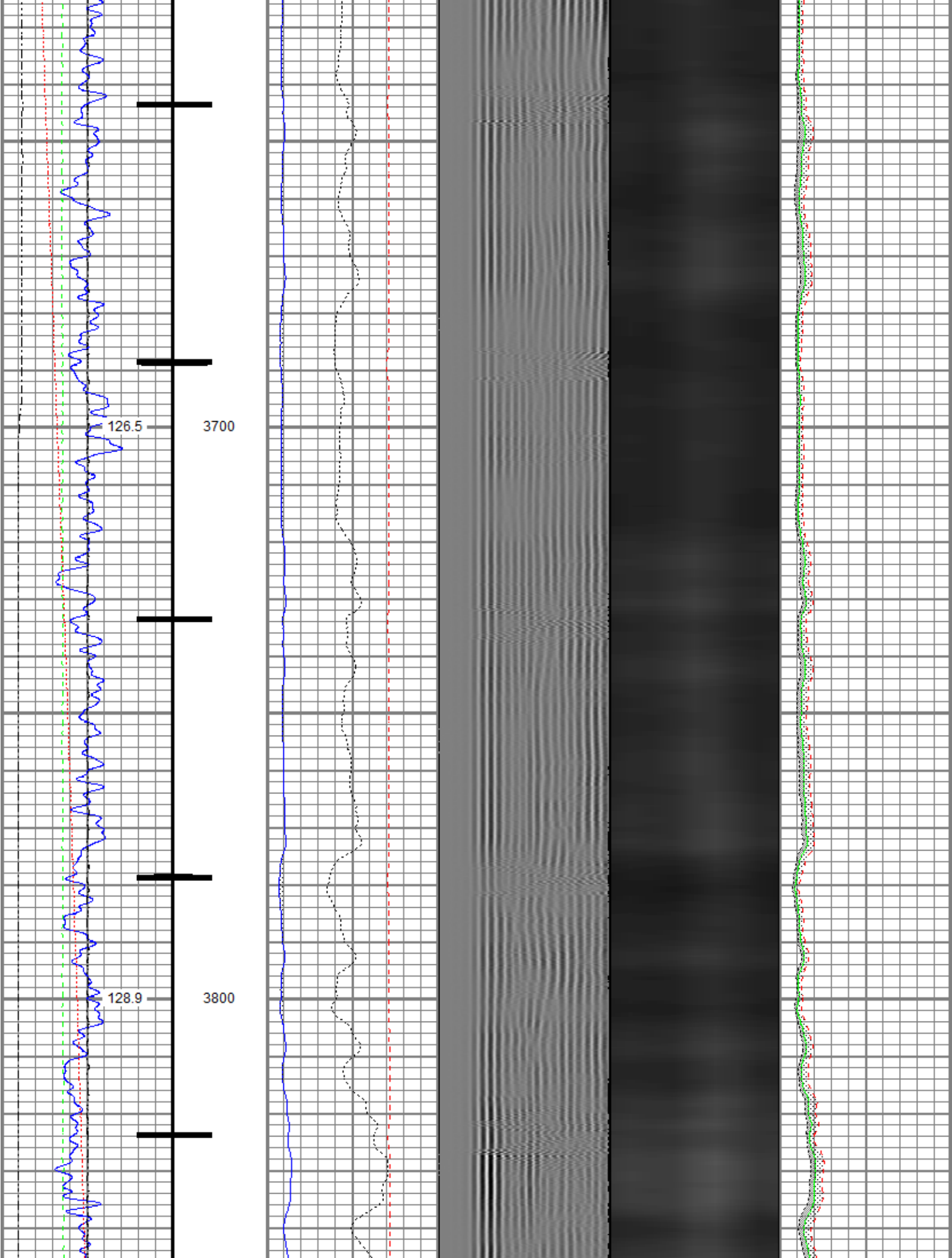


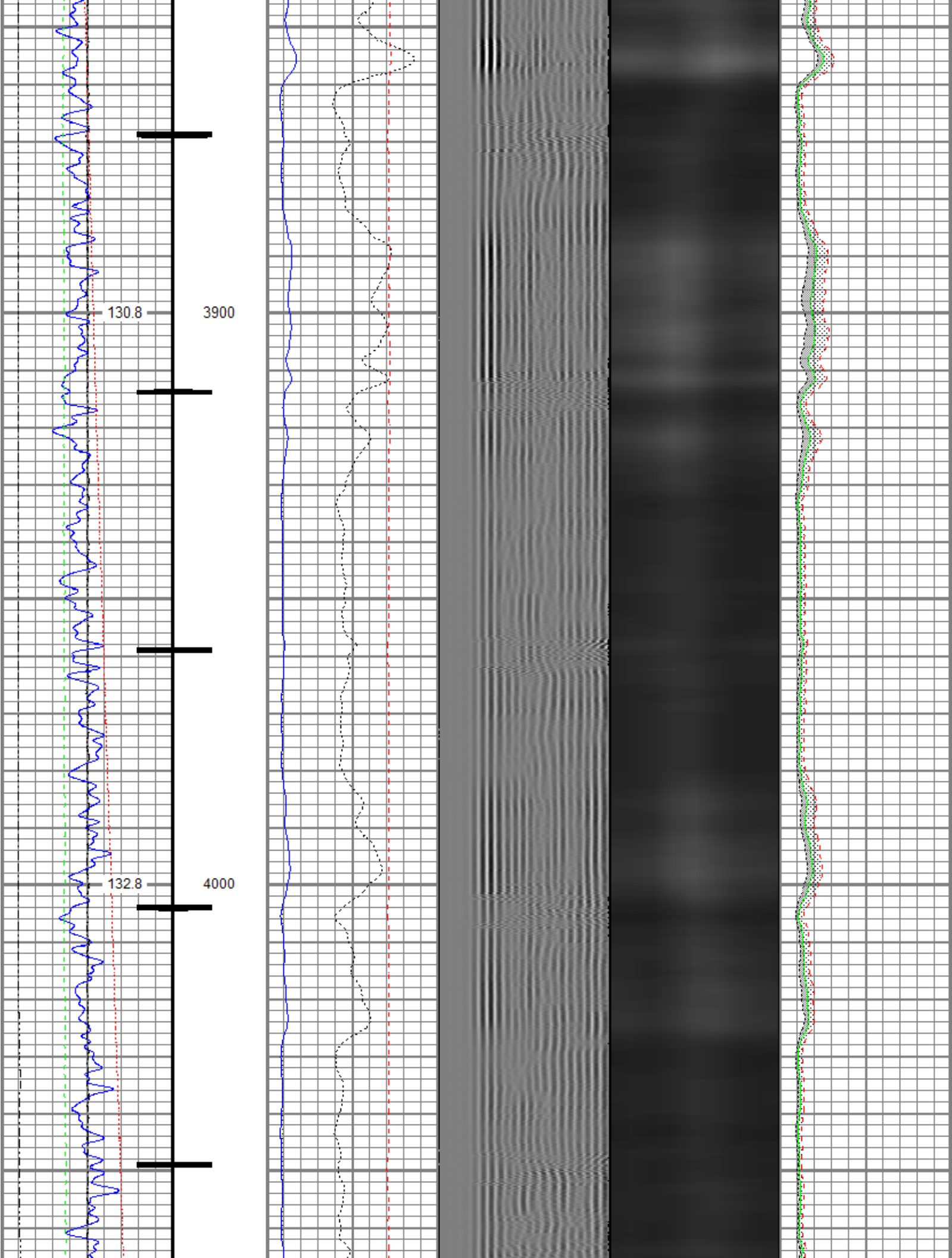


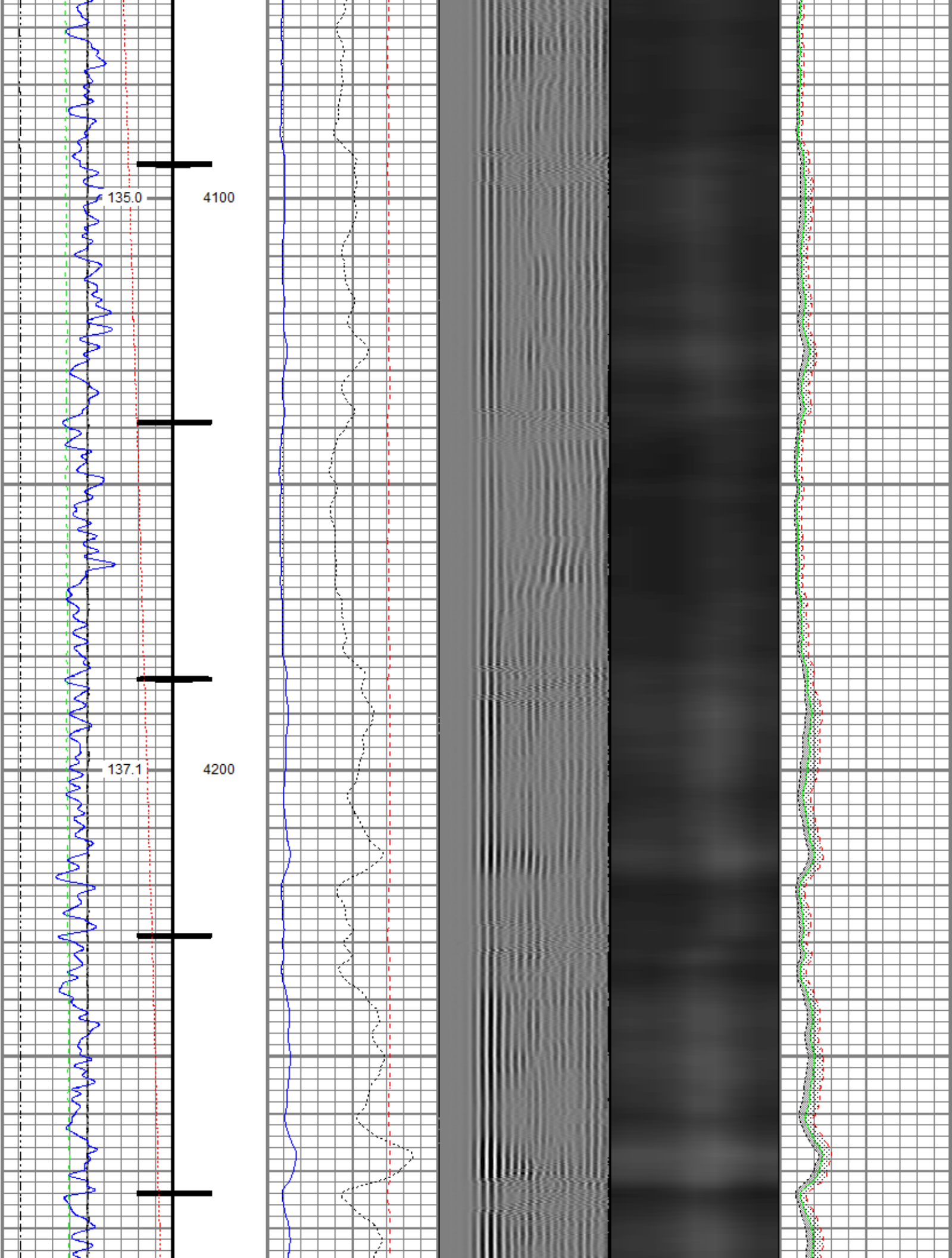


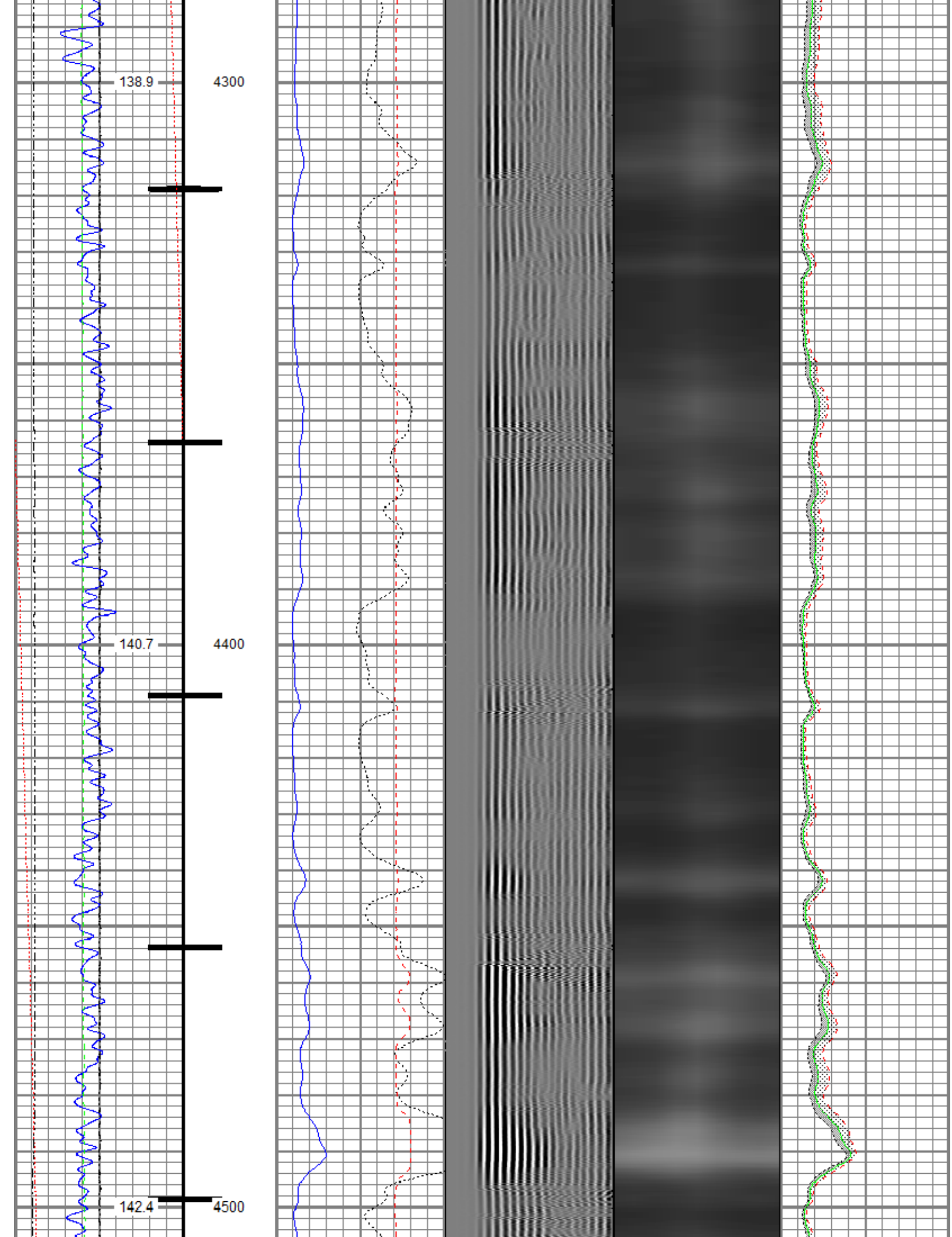


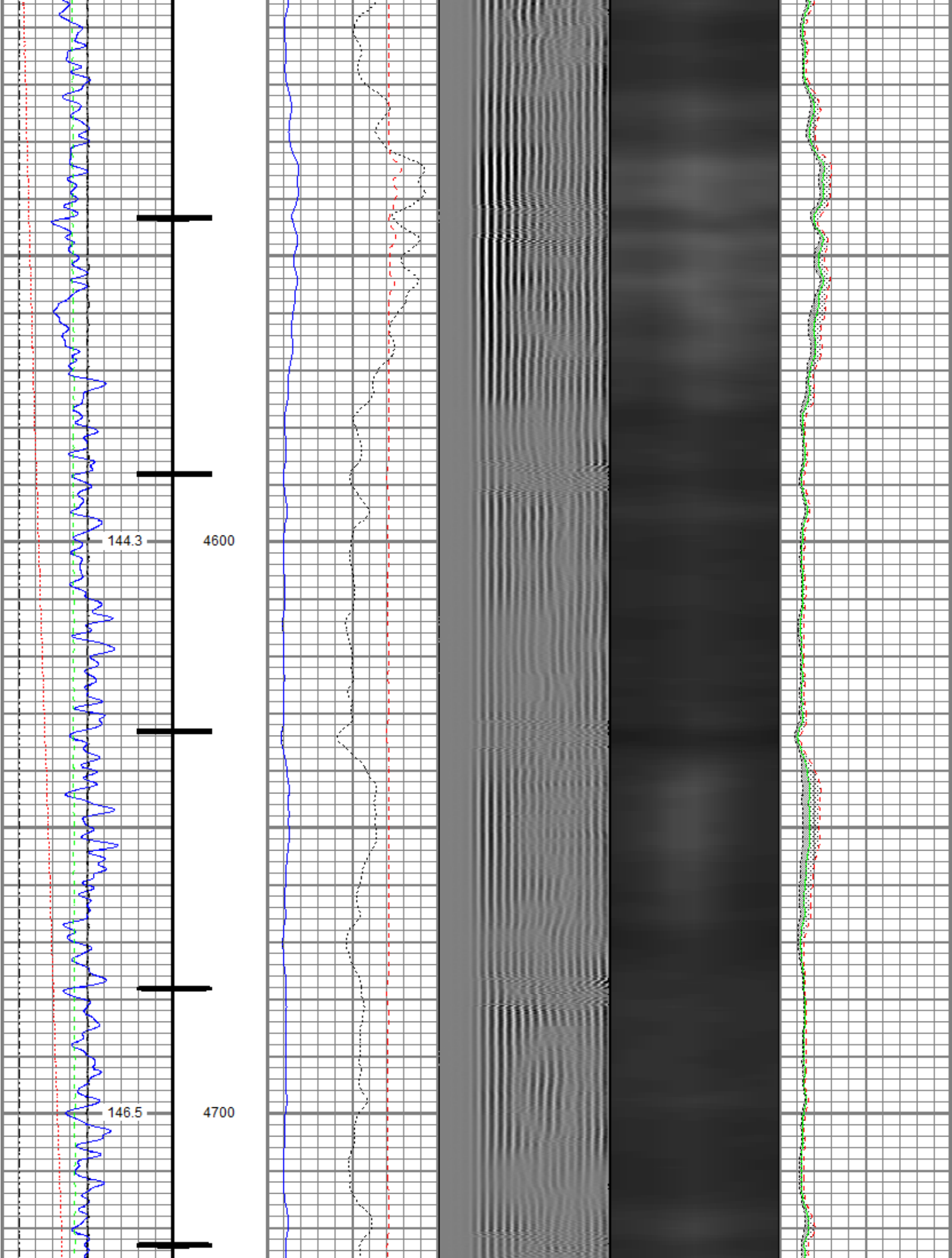


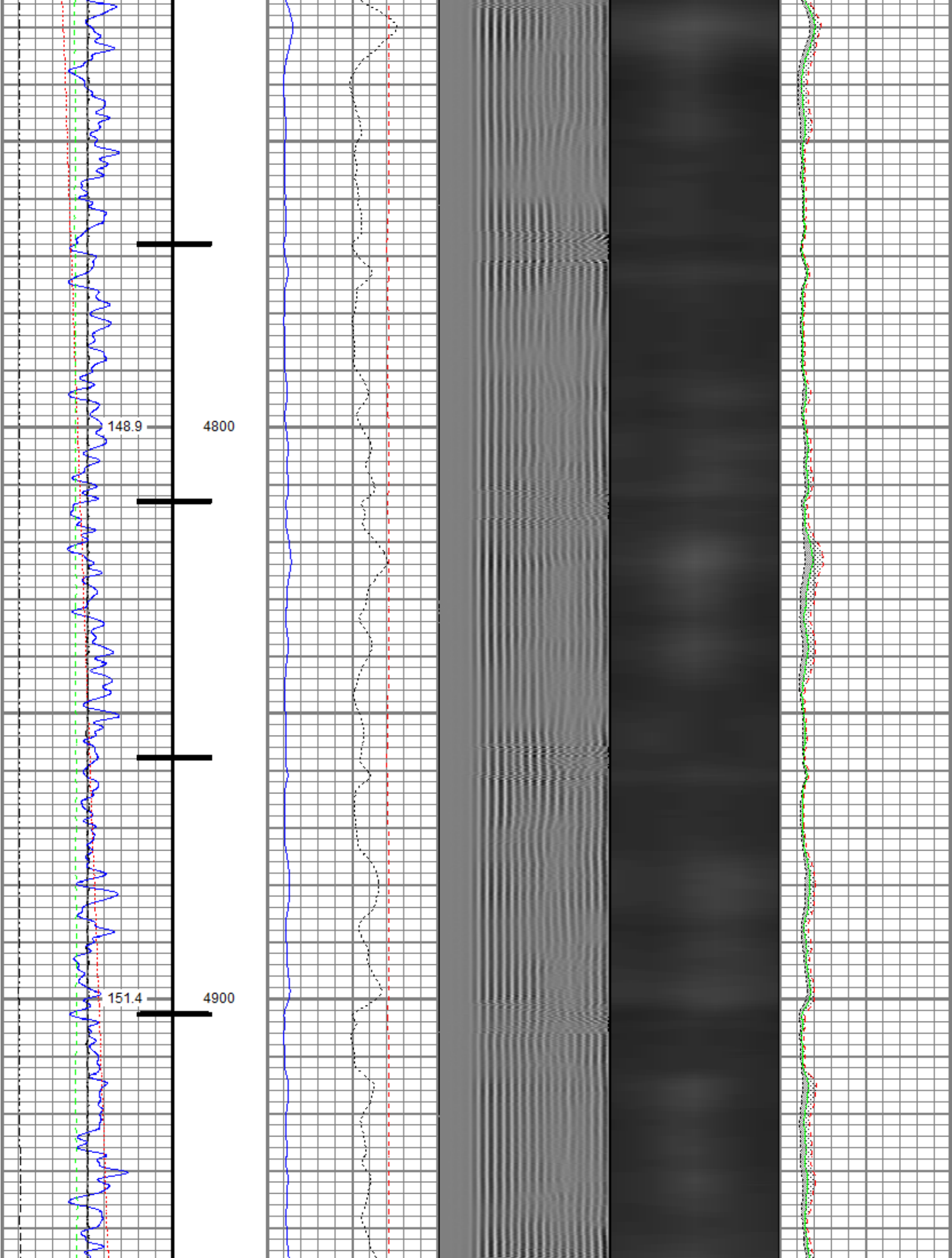


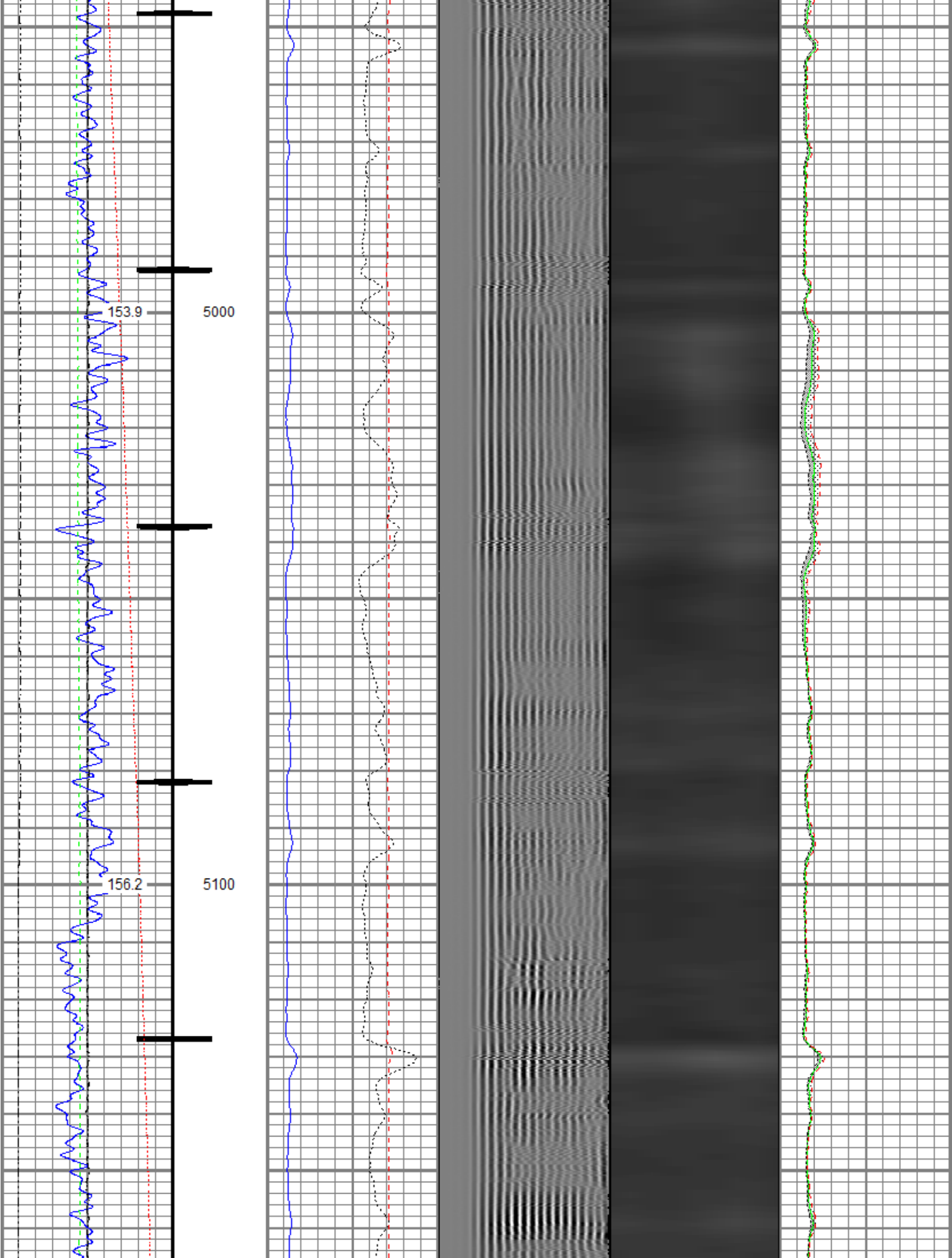


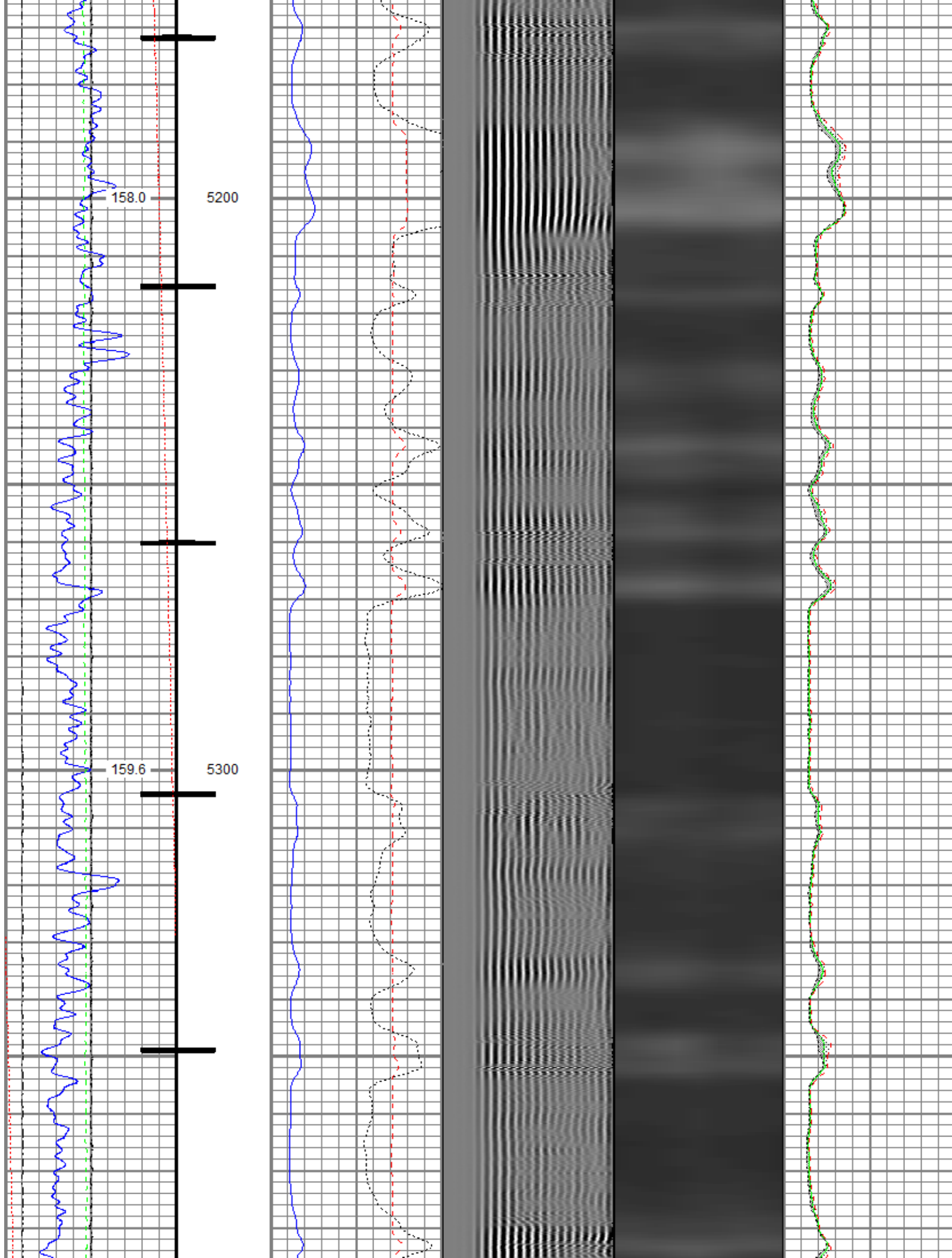


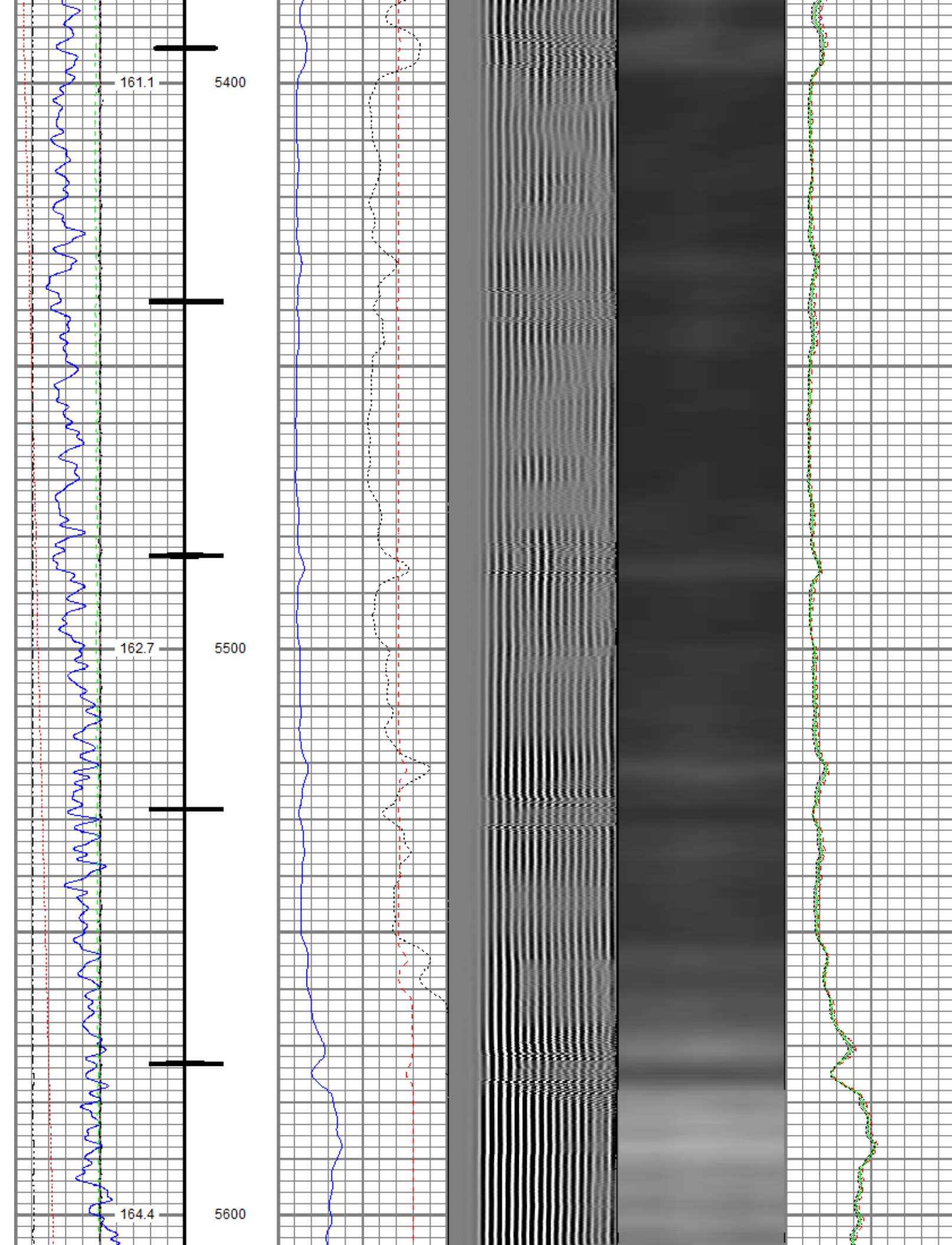


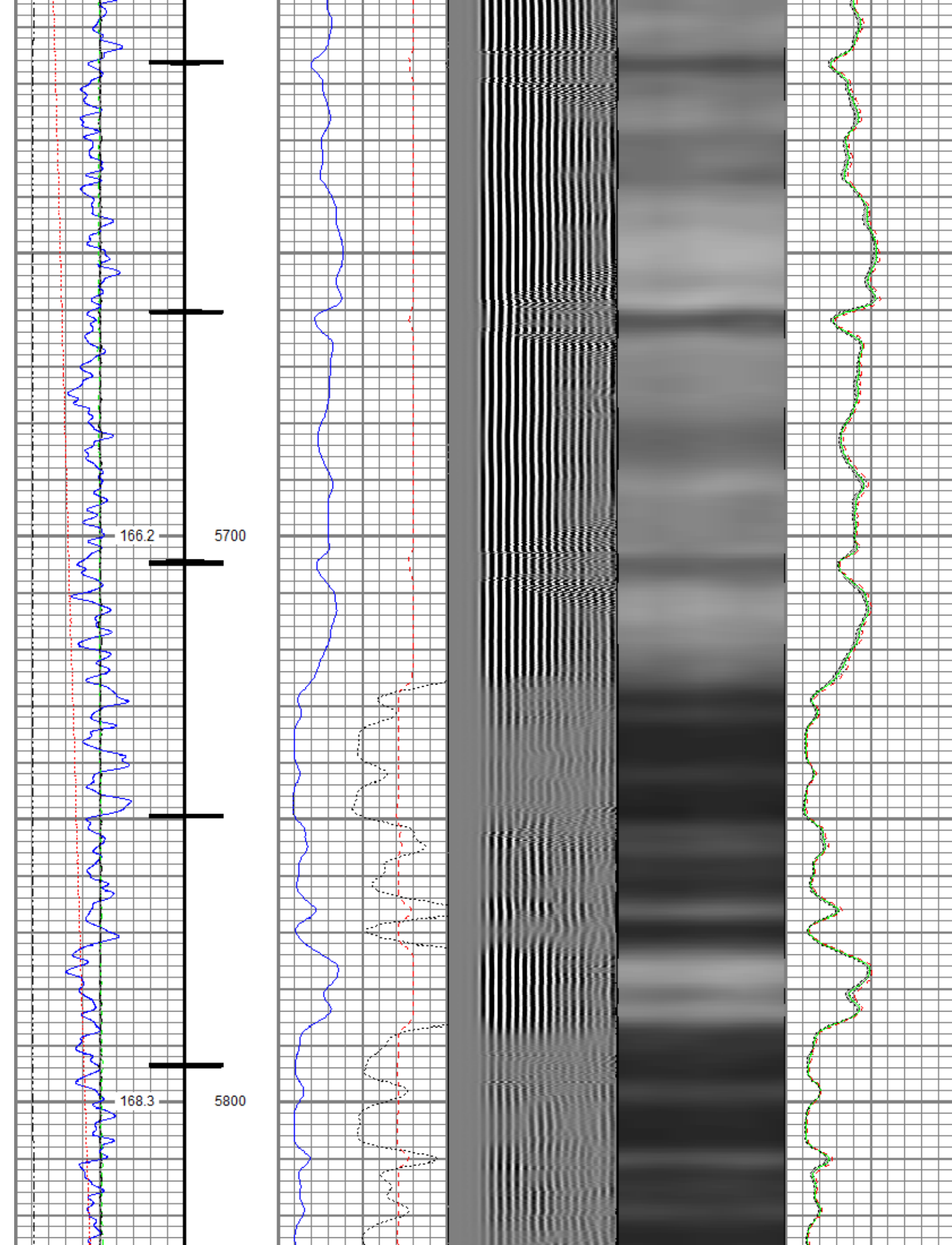


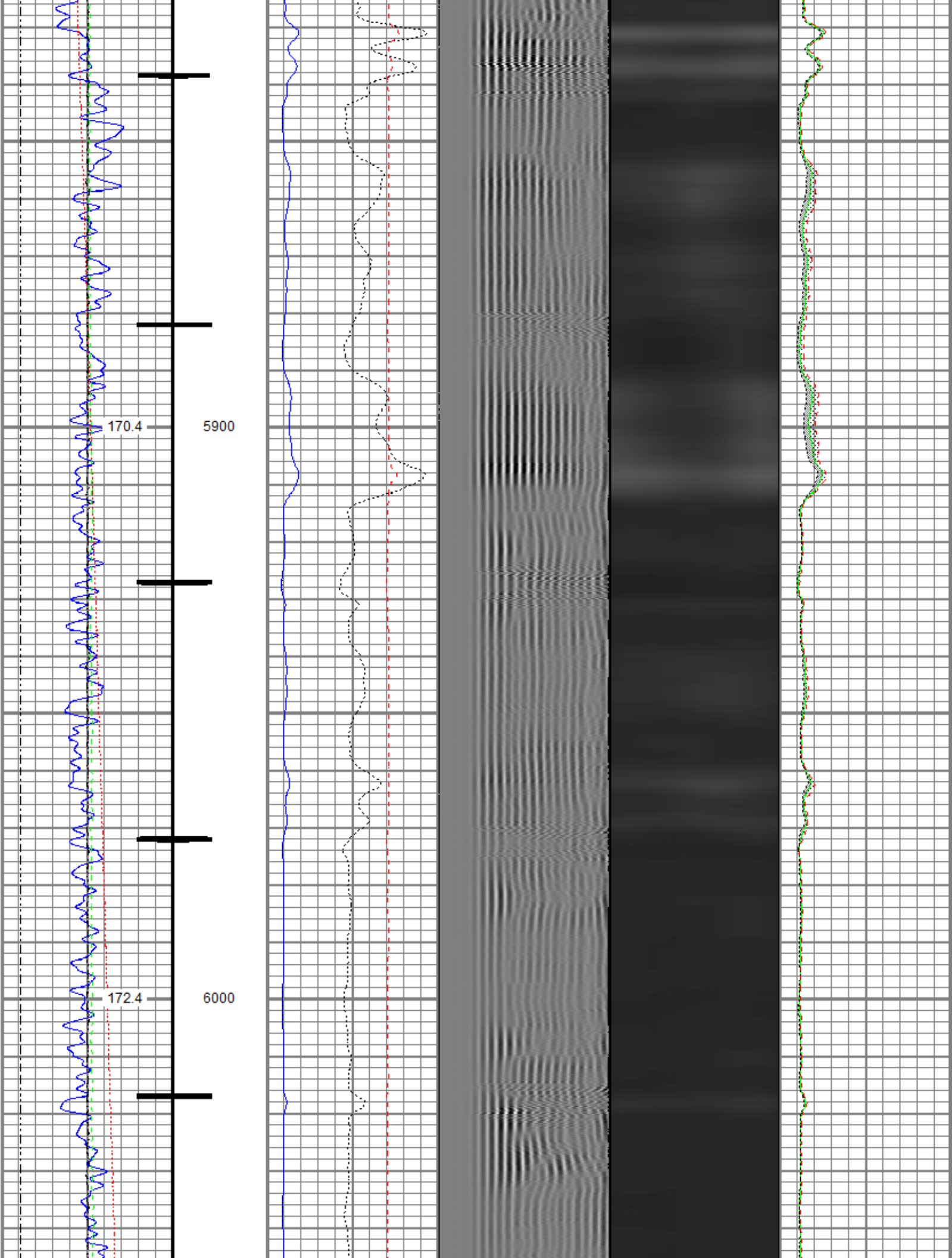


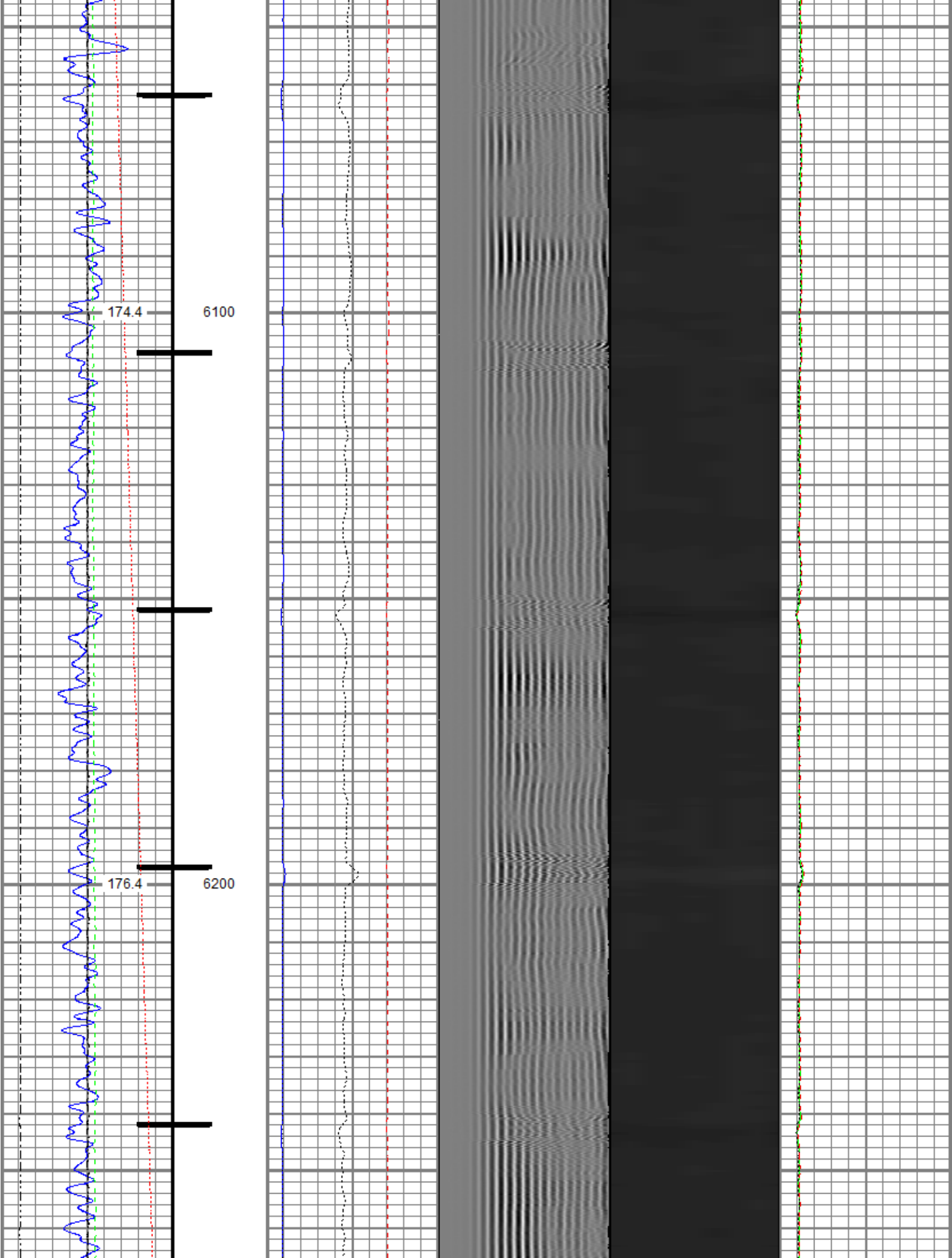


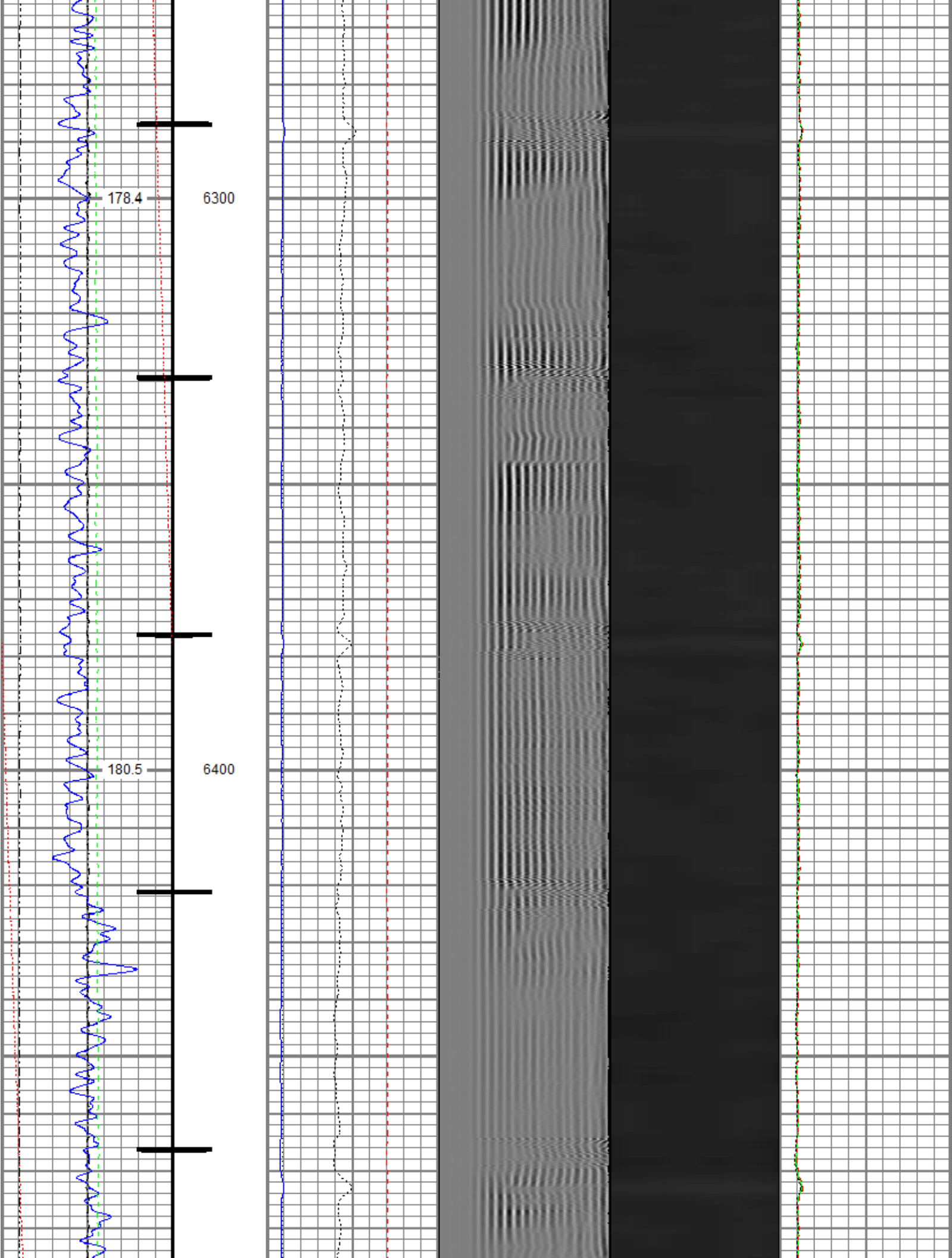


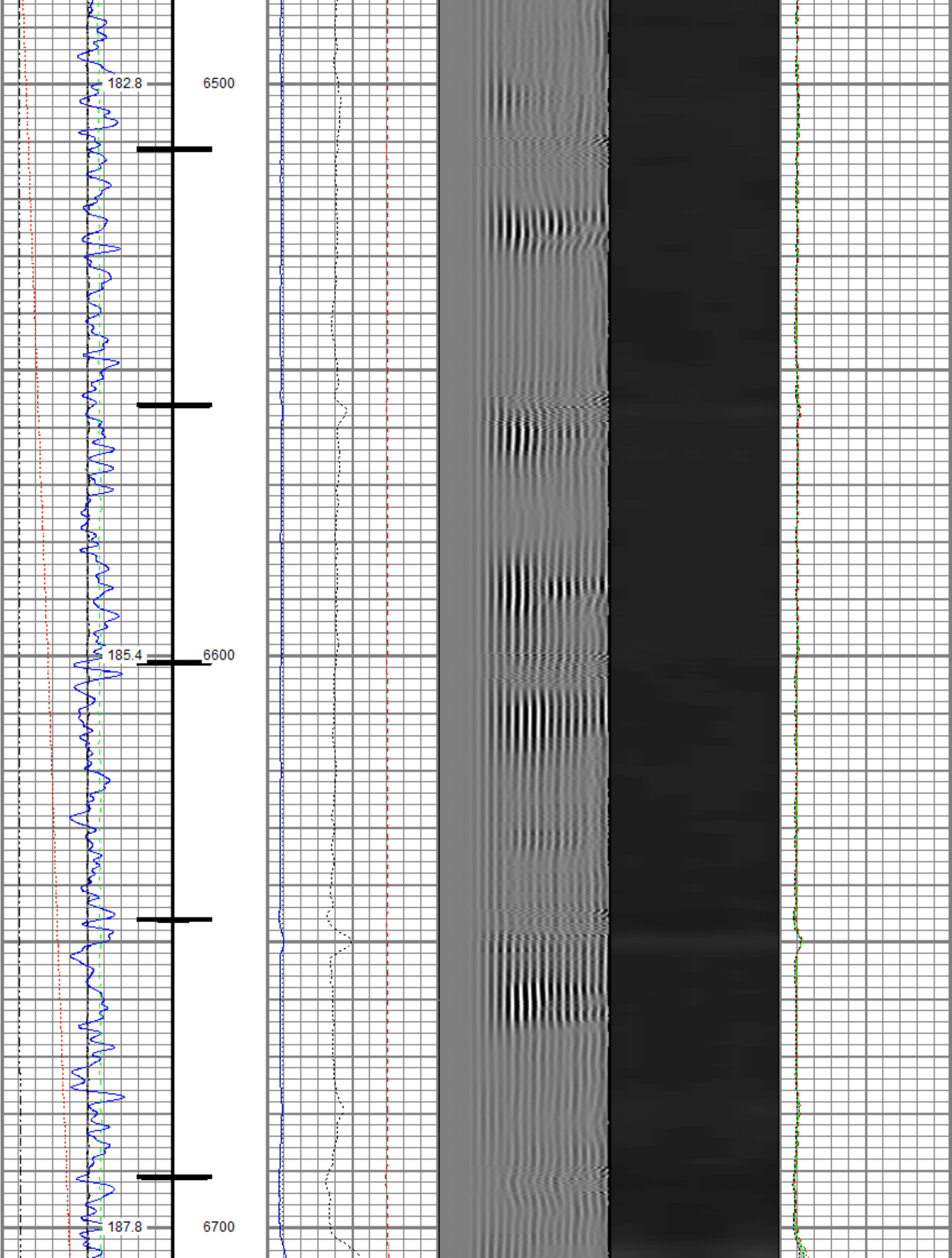


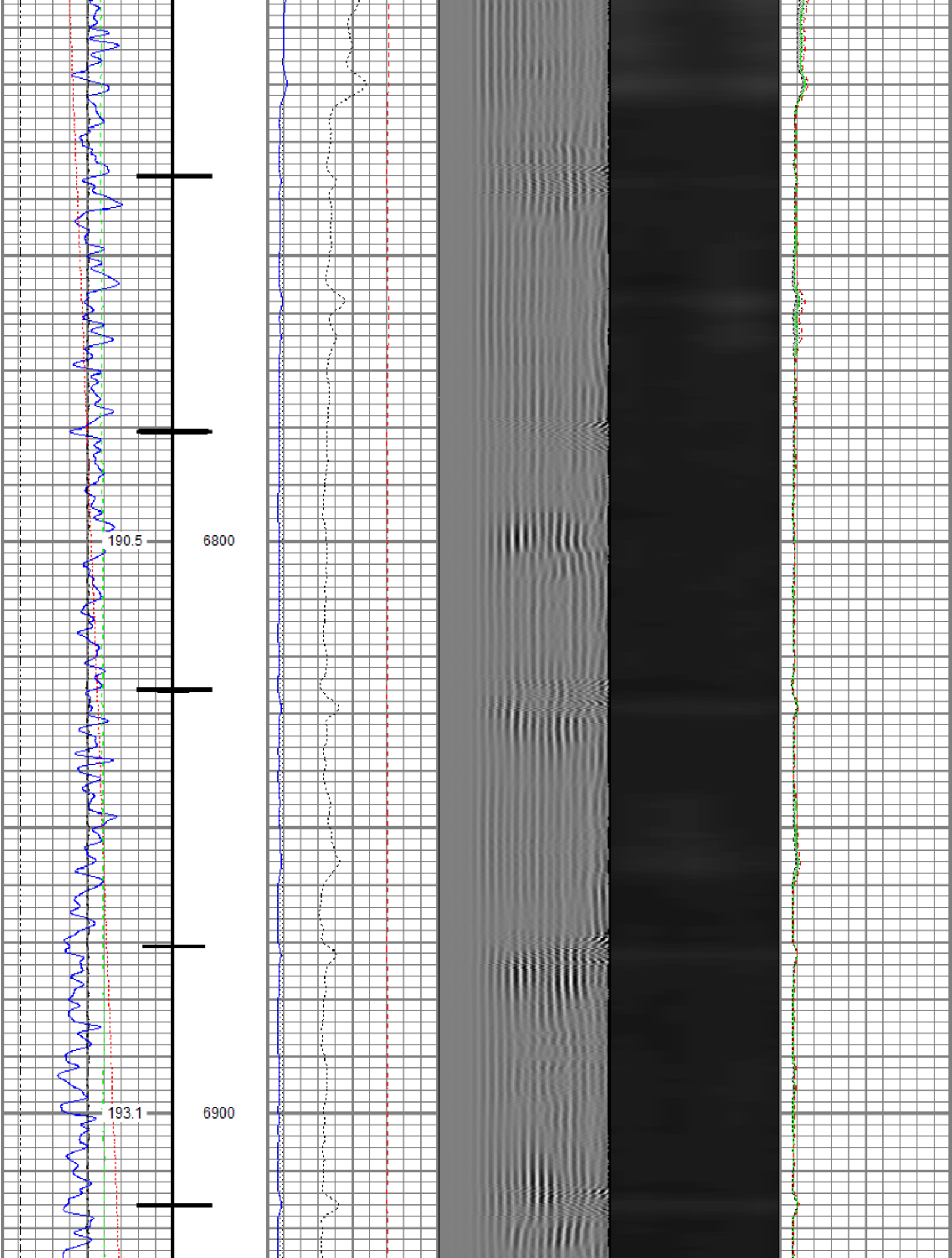


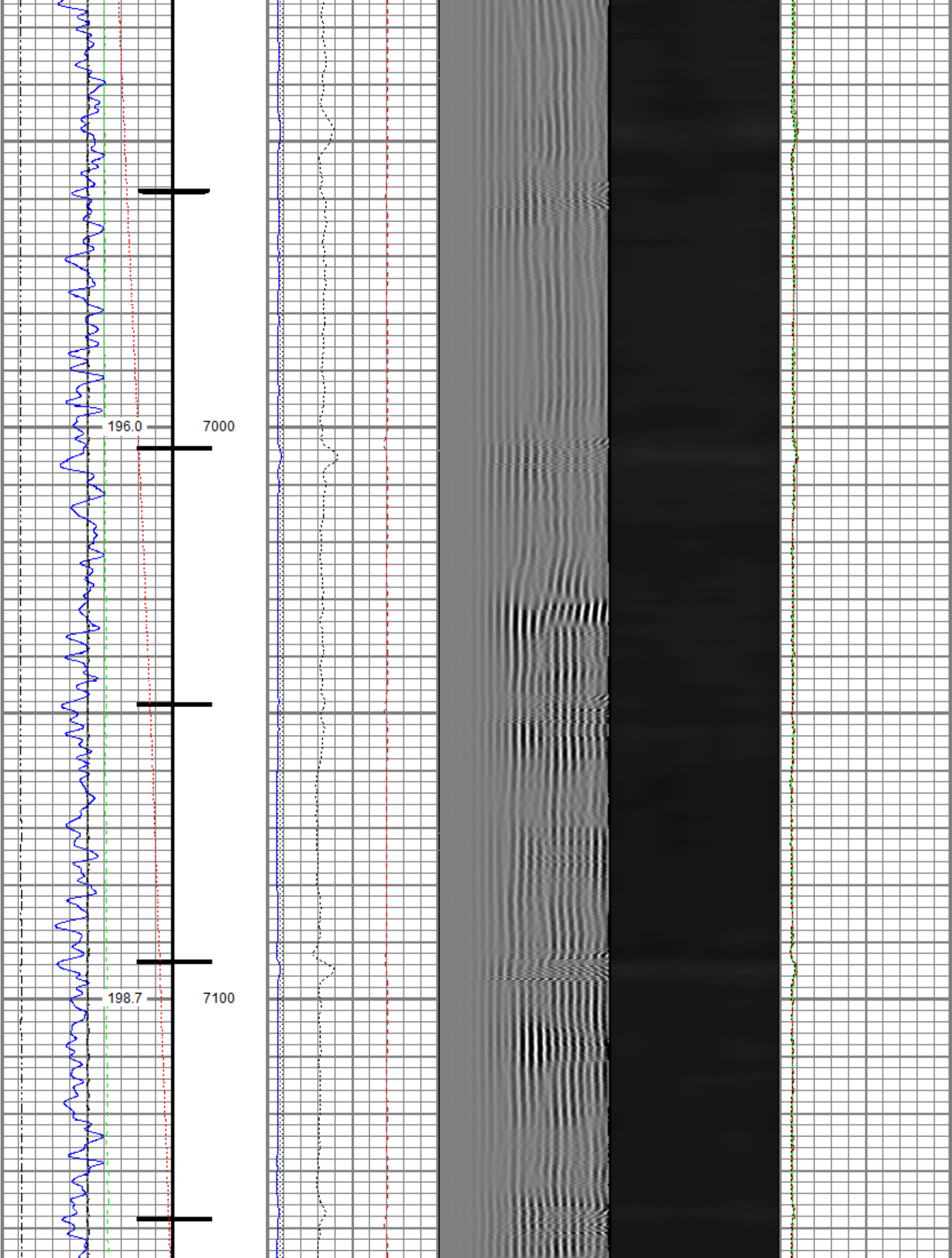


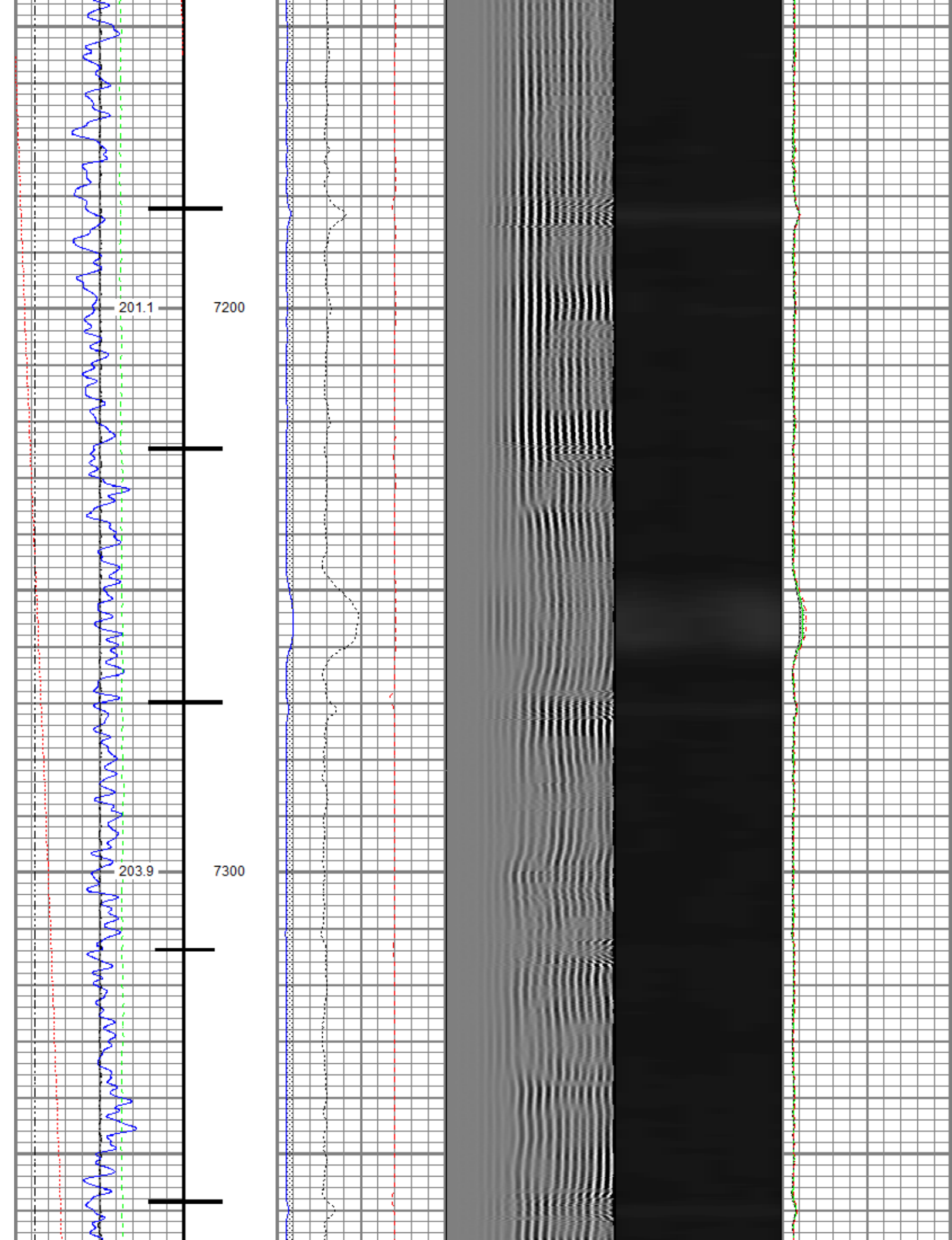


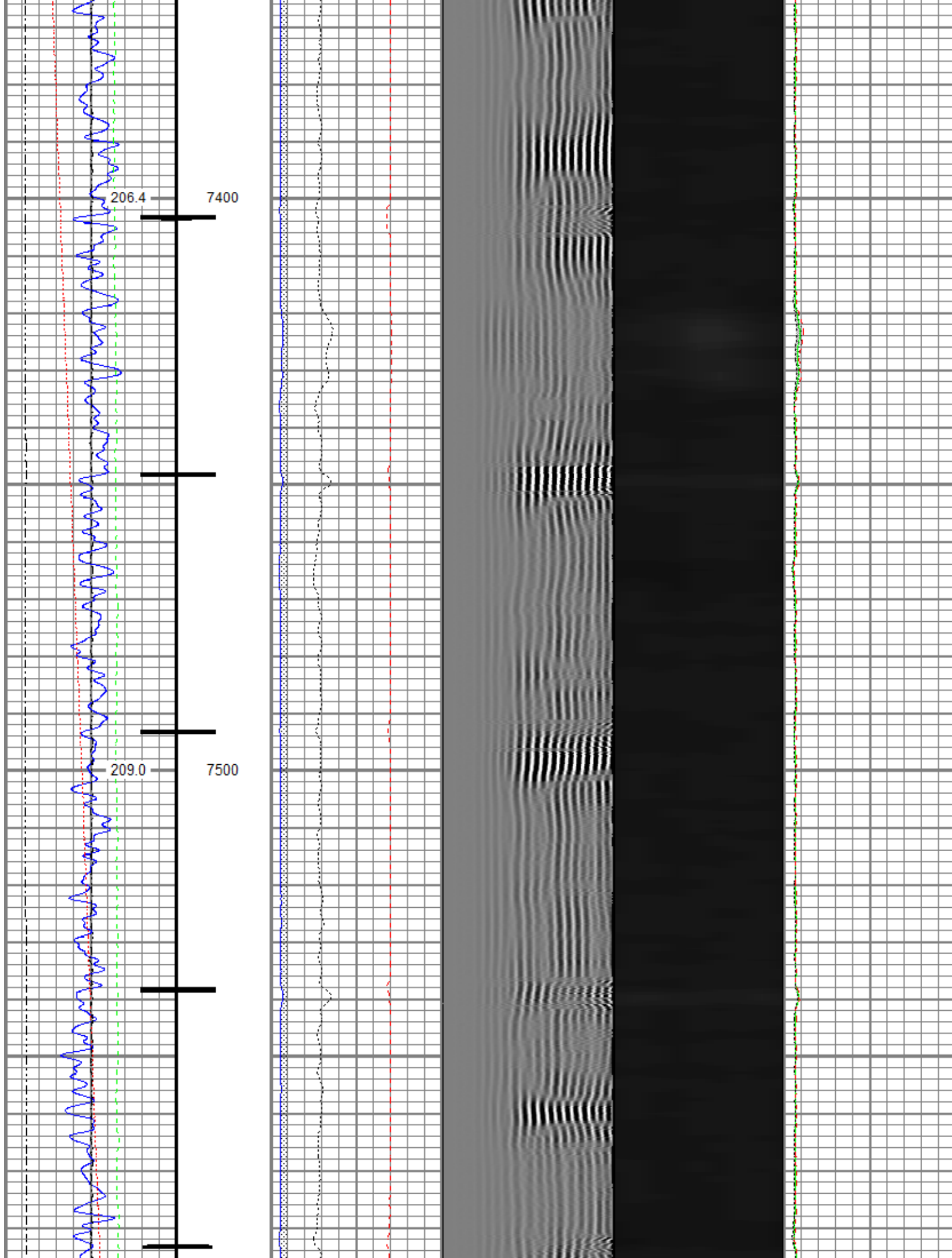


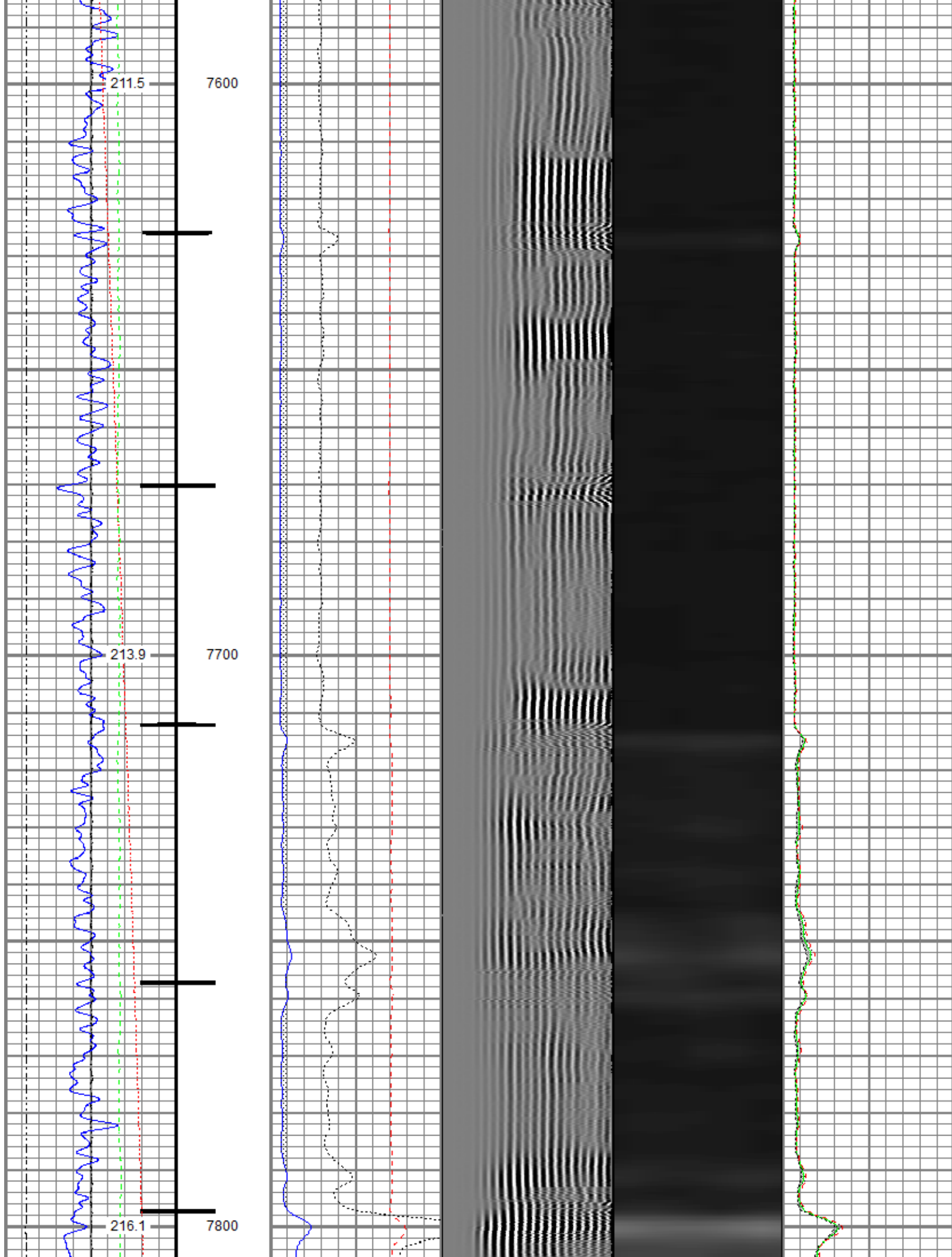


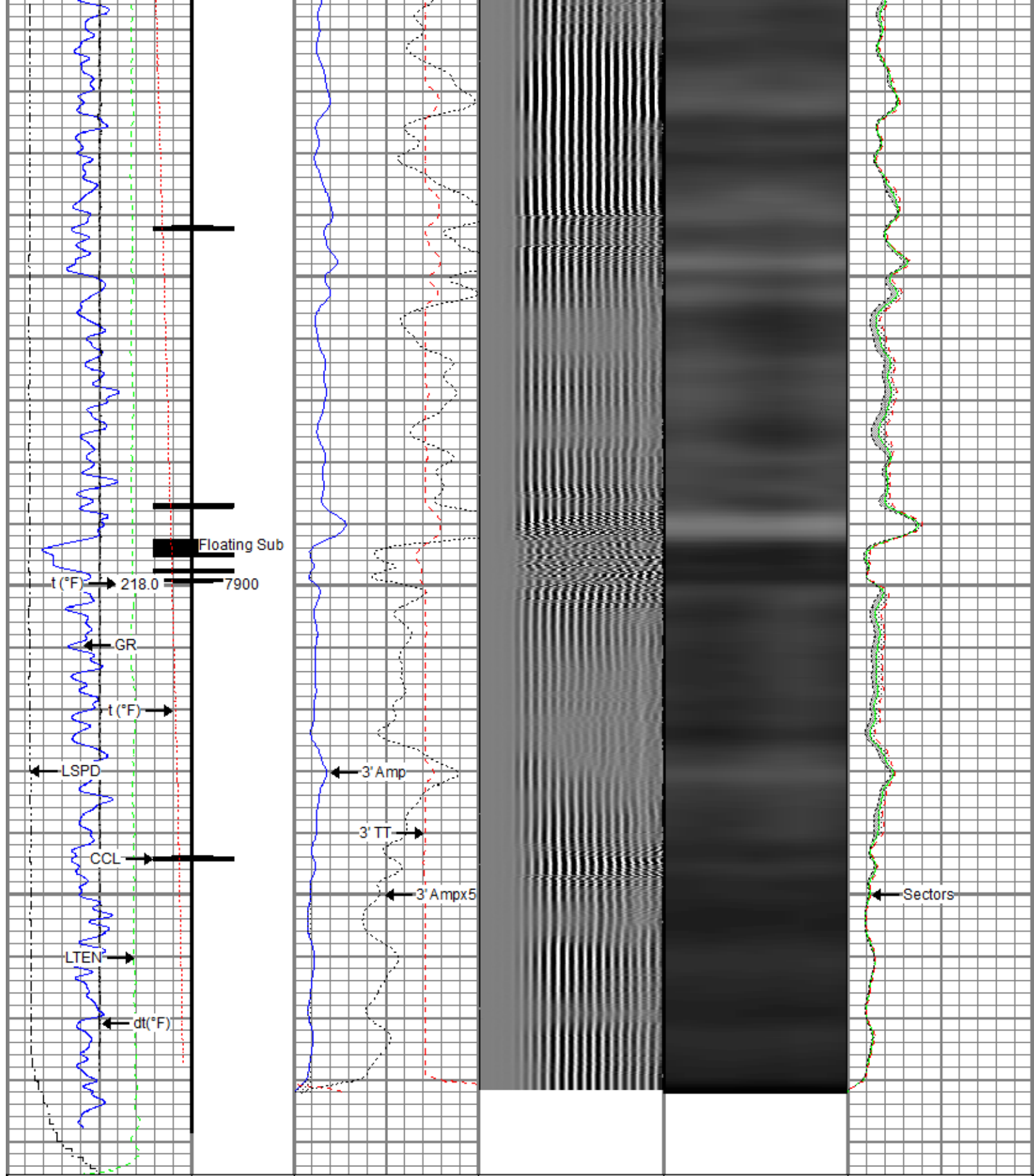












Gamma Ray		0 3' Amplitude (mV) 100		5' Variable Density Log		Sector Map		0 Average Amplitude 100	
0 (GAPI) 120		3' Amplitude x 5		200 (uSec) 1200				Minimum Amplitude	
Casing Collar Locator		0 (mV) 20						0 100	
0 Temperature (degF) 20		3' Travel Time						Maximum Amplitude	
Line Speed		650 (uSec) 150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

Differential Temperature
-2 (degF) 2

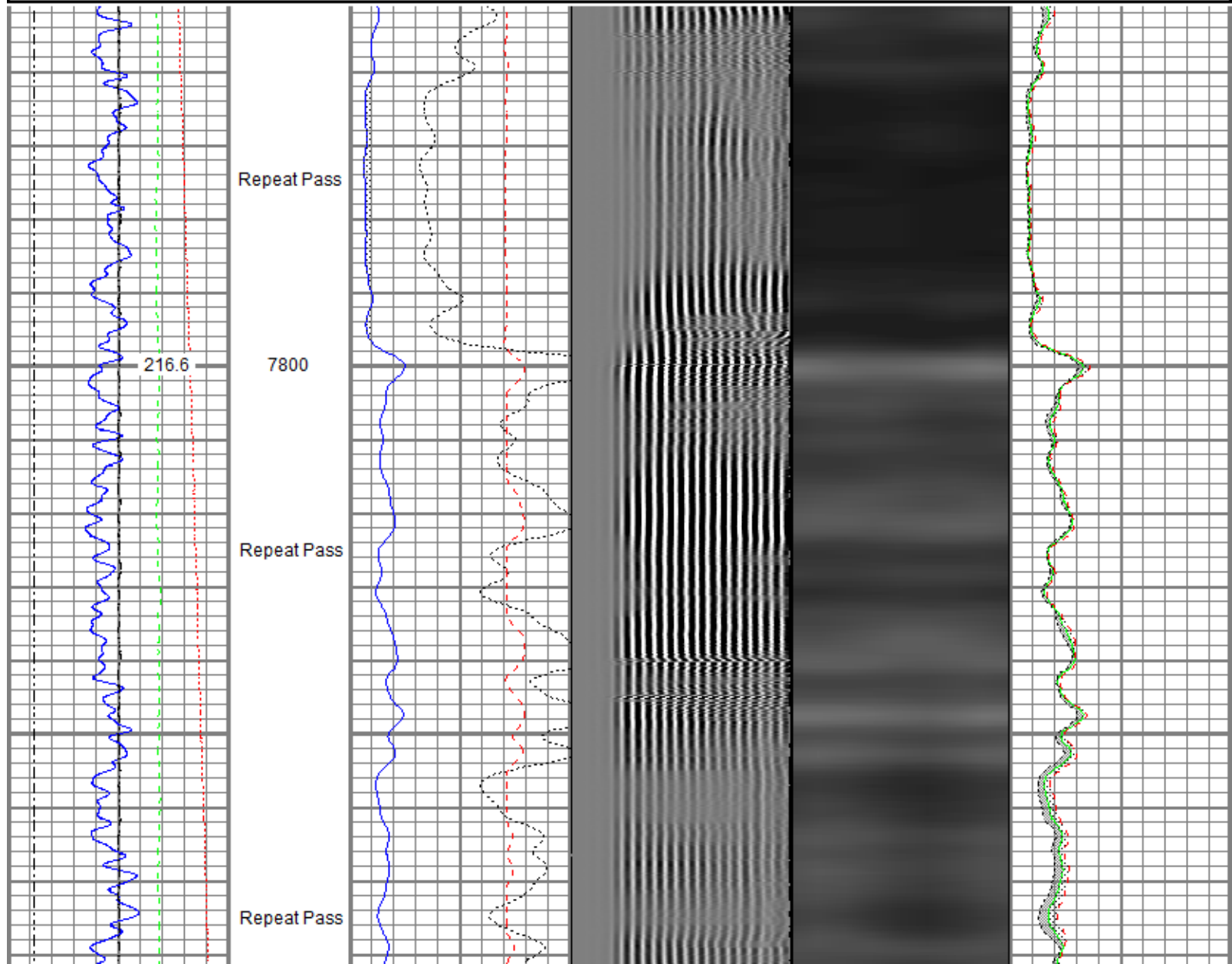


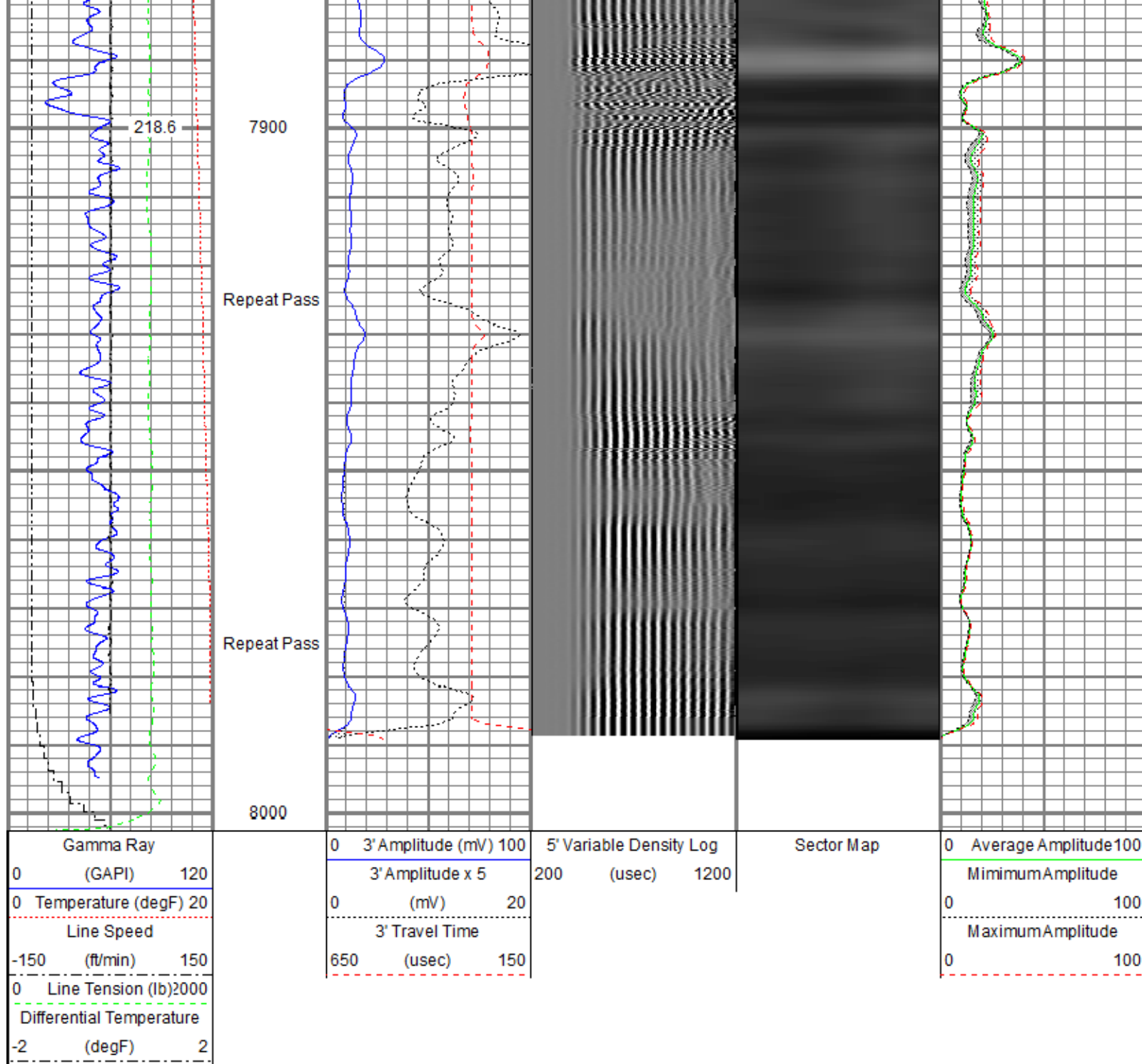
Repeat Pass

Recorded With 2000 PSI Surface Induced Pressure

Database File	clear creek_true ranch fee 502-2326h\clear creek_true ranch fee 502-2326h_rbl_11-27-18.db
Dataset Pathname	RCBL/pass6.1
Presentation Format	ros_radrii
Dataset Creation	Wed Nov 28 17:50:11 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
0 (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				





TEMP	17.04					
WVFS8	14.81			Probe Radii-2750 RBT (120855)	9.39	2.75
WVFS7	14.81			Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub		105.00
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	2.88	2.75
				Probe 2-3/4" Electric Inline Bowspring Centralizer		20.00
CCL\$2	6.80					
CCL\$1	6.80					
GR	5.46			Probe GR-CCL-2750 6PB (FW1810-044)	4.80	2.75
				Probe 2-3/4" rev.1 Digital Scintillation Gamma Ray/CCL Combined with 6 Pin Bottom for CNT		55.00
				Probe CENT-2750	2.88	2.75
				Probe 2-3/4" Electric Inline Bowspring Centralizer		20.00
Dataset: Clear Creek_True Ranch Fee 502-2326H_RBL_11-27-18.db: field/well/RCBL/pass8.1 Total length: 23.86 ft Total weight: 223.60 lb O.D.: 2.75 in						

Calibration Report		
Database File	C:\ProgramData\Warrior\Data\Clear Creek_True Ranch Fee 502-2326H\Clear Creek_True Ranch Fee 502-2326H_RBL_11-27-1	
Dataset Pathname	RCBL/pass8.1	
Dataset Creation	Tue Nov 27 13:08:38 2018	
Gamma Ray Calibration Report		
Serial Number:	FW1810-044	
Tool Model:	2750 6PB	
Performed:	Tue Nov 06 15:24:34 2018	
Calibrator Value:	637.0	GAPI
Background Reading:	105.3	cps
Calibrator Reading:	1221.0	cps
Sensitivity:	0.5709	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 120855
 Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
 Calibration Depth: -1.084 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.509	0.800	71.921	139.992	0.647
CAL	0.006	0.582				
5'	0.000	0.475	0.800	71.921	149.743	0.744
SUM						
S1	0.001	0.473	0.000	100.000	211.858	-0.211
S2	0.001	0.471	0.000	100.000	212.859	-0.212
S3	0.001	0.493	0.000	100.000	203.388	-0.228
S4	0.001	0.538	0.000	100.000	186.372	-0.218
S5	0.001	0.582	0.000	100.000	172.042	-0.197
S6	0.001	0.585	0.000	100.000	171.381	-0.209
S7	0.001	0.544	0.000	100.000	184.157	-0.206
S8	0.001	0.496	0.000	100.000	202.211	-0.227

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	0.582	1.000	0.000

Air Zero Calibration, performed Tue Nov 27 11:00:47 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: 120855
 Tool Model: 2750 RBT
 Performed: Mon Oct 01 11:32:15 2018

	Reference		Reading	
Low Reference:	100.00	degF	112.30	degF
High Reference:	350.00	degF	394.75	degF
Gain:	0.89			
Offset:	0.60			
Delta Spacing	1			



Company	Clear Creek Resource Partners
Well	True Ranch Fee 502-2326H
Field	Wildcat
County	Weld
State	Colorado