



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company Kerr-McGee Oil & Gas Onshore, L.P.

Well George 25-6HZ

Field Wattenberg

County Weld State Colorado

Location: API #: 05-123-46333

SEC 25 TWP 2N RGE 65W

Other Services
JB/GR
RBP
RBL 0PSI

Permanent Datum
Log Measured From
Drilling Measured From

Ground Level
Kelly Bushing
Kelly Bushing

Elevation
17 FT
4900'

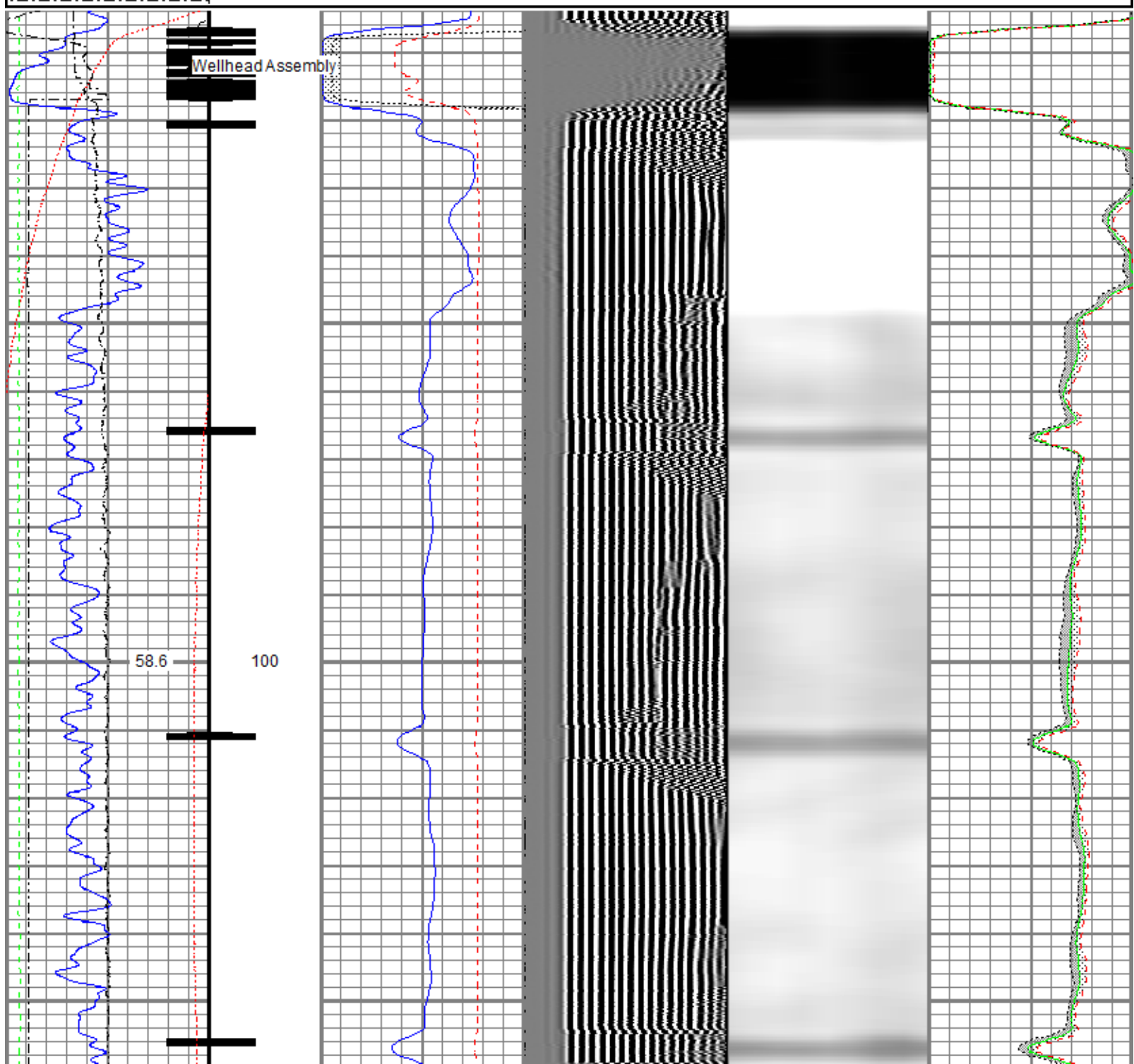
K.B. 4917'
D.F. ---
G.L. 4900'

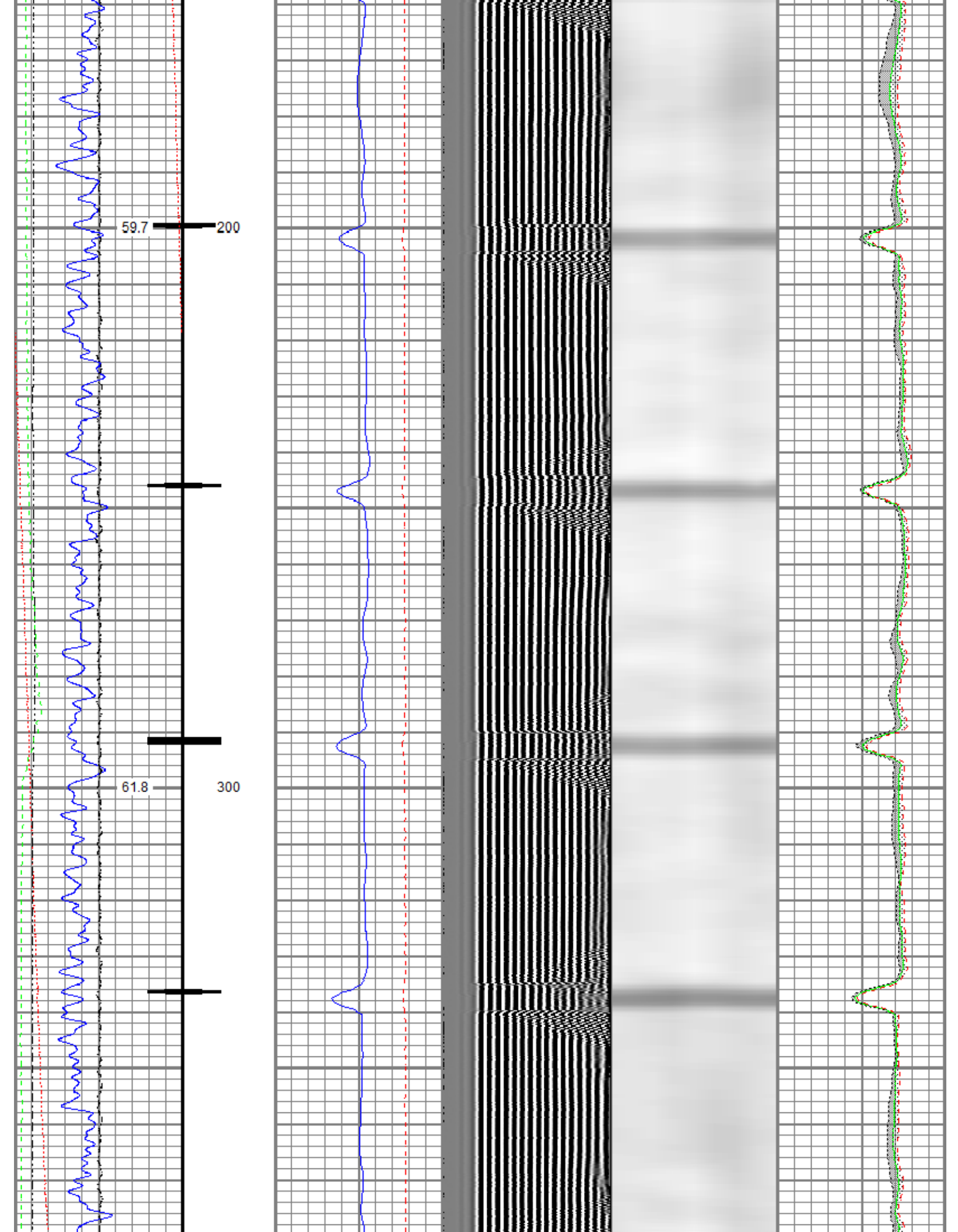
Company Kerr-McGee Oil & Gas Onshore, L.P.
Well George 25-6HZ
Field Wattenberg
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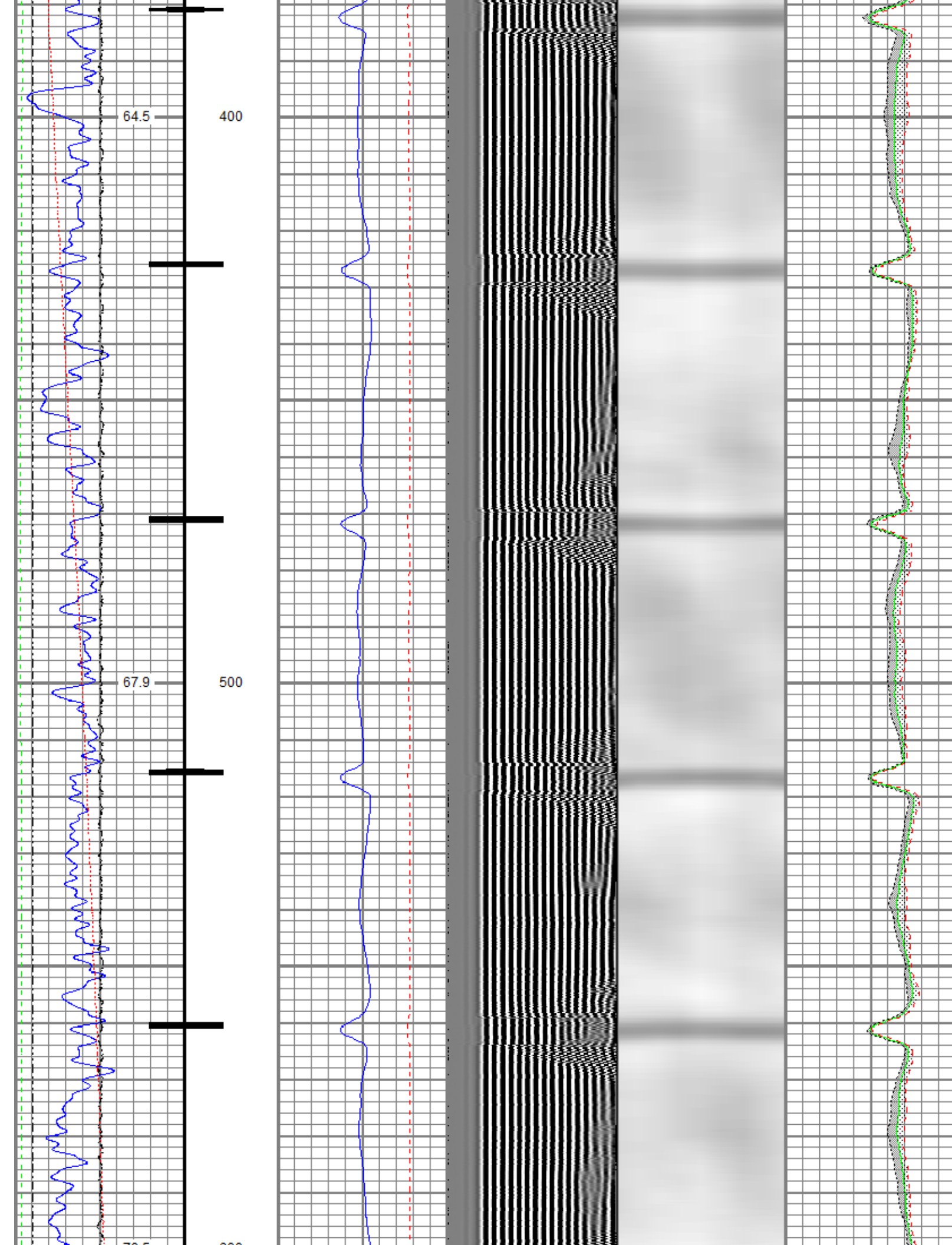
Date	16-AUG-2018									
Run Number	One									
Depth Driller	16146 FT									
Depth Logger	6652 FT									
Bottom Logged Interval	6638 FT									
Top Log Interval	Surface									
Open Hole Size	7.88"									
Type Fluid	Water									
Density / Viscosity	8.34 lb/gal									
Max. Recorded Temp.	220°F									
E estimated Cement Top	See Log									
Time Well Ready	ROA									
Time Logger on Bottom	11:39									
Equipment Number	HD-363									
Location	Platteville, CO									
Recorded By	J. Morrison									
Witnessed By	Kyle Carver									
Borehole Record										
Run Number	Bit	From	To	Size	Weight	From	To			
Casing Record	Size (in)	Wgt (lbs/ft)	Grade	Top	Bottom					
Surface Casing	9 5/8	36	J-55	Surface	1876 FT					
Intermediate #1	5 1/2	17	HCP 110	Surface	16136 FT					
Intermediate #2										
Liner										

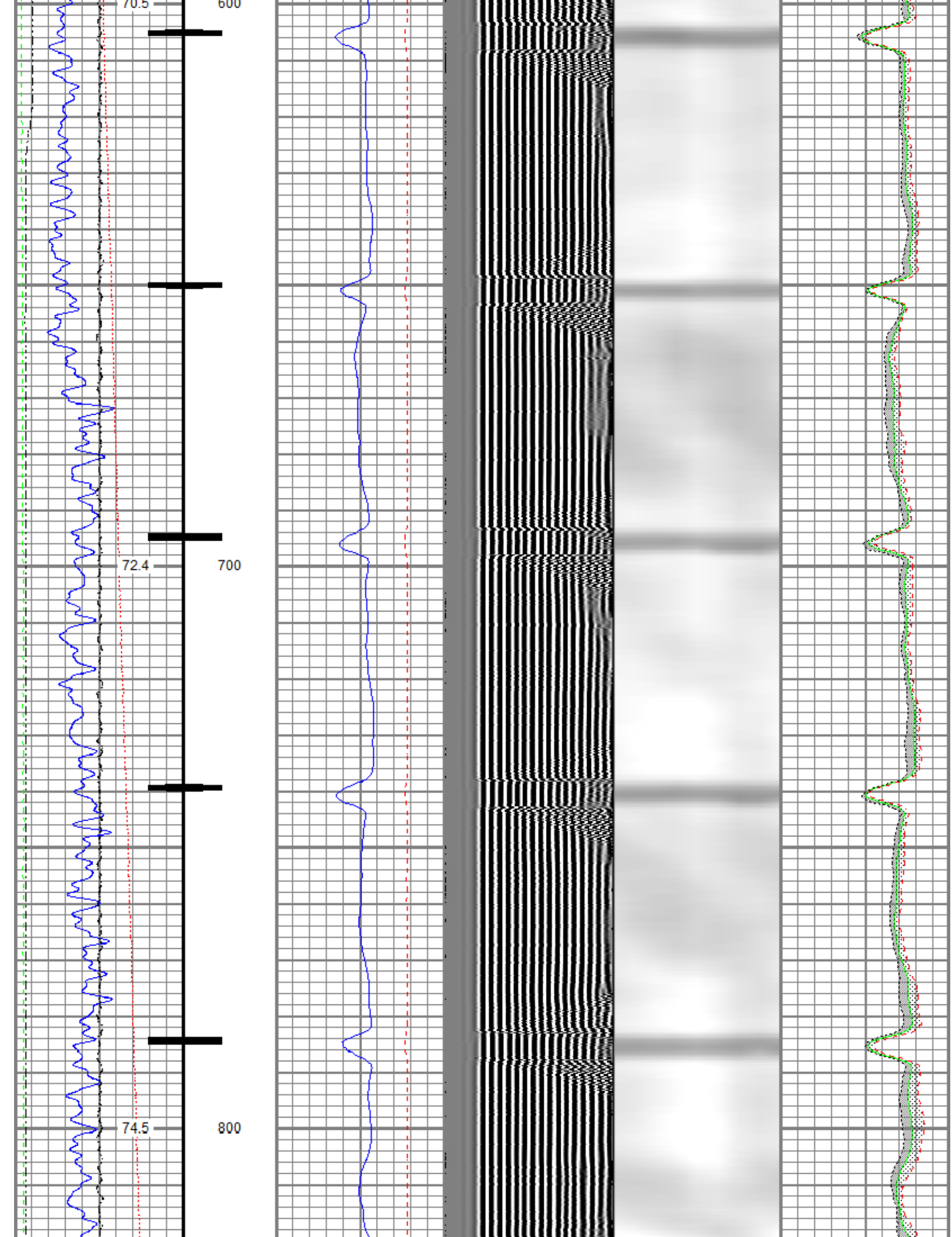
Database File new folder (3)\0512346333_anadarko_george 25-6hz_rbl_08-16-18_2800 psi.db
 Dataset Pathname Main.6
 Presentation Format ros_radri
 Dataset Creation Fri Aug 17 11:11:48 2018
 Charted by Depth in Feet scaled 1:240

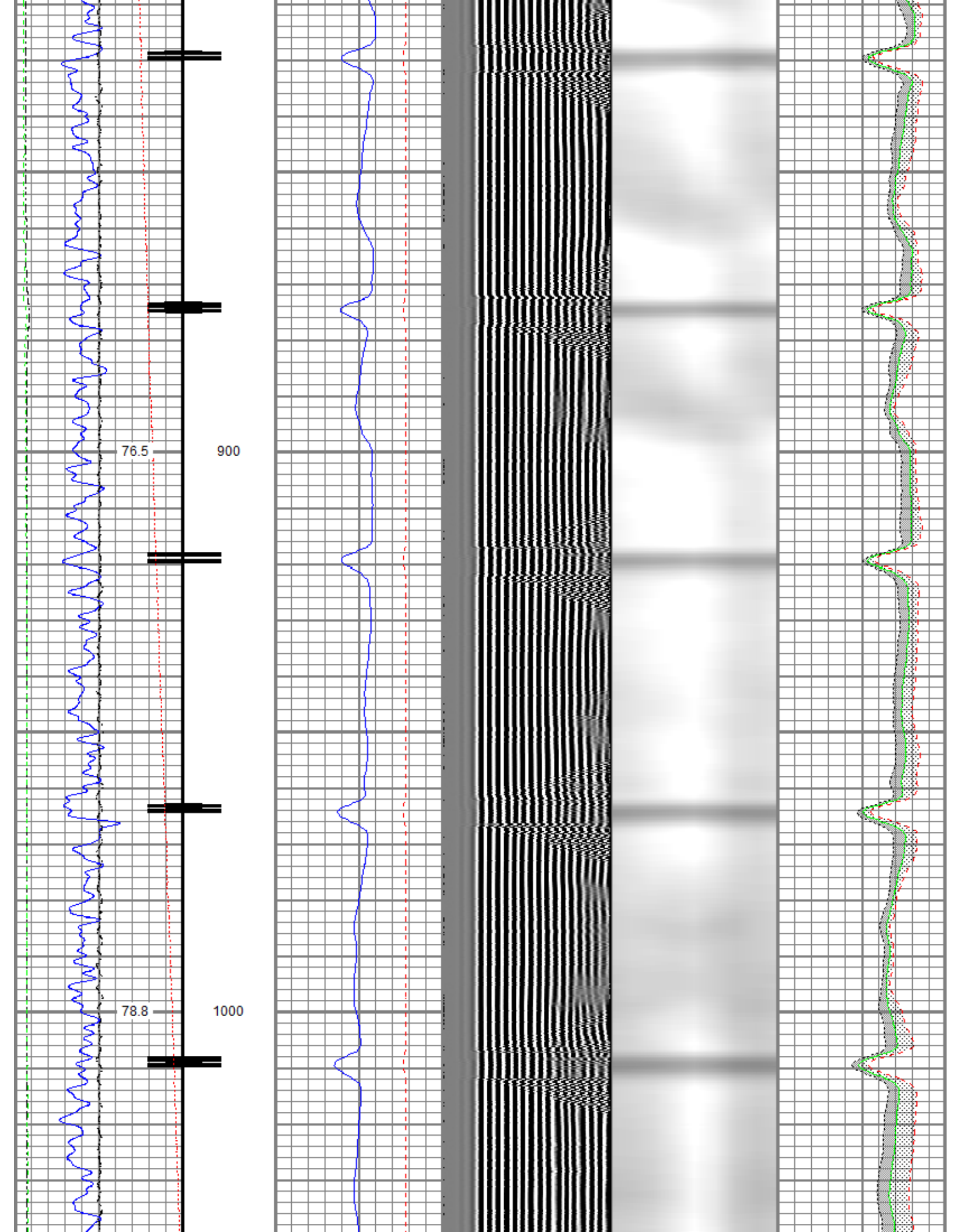
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min) 150				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

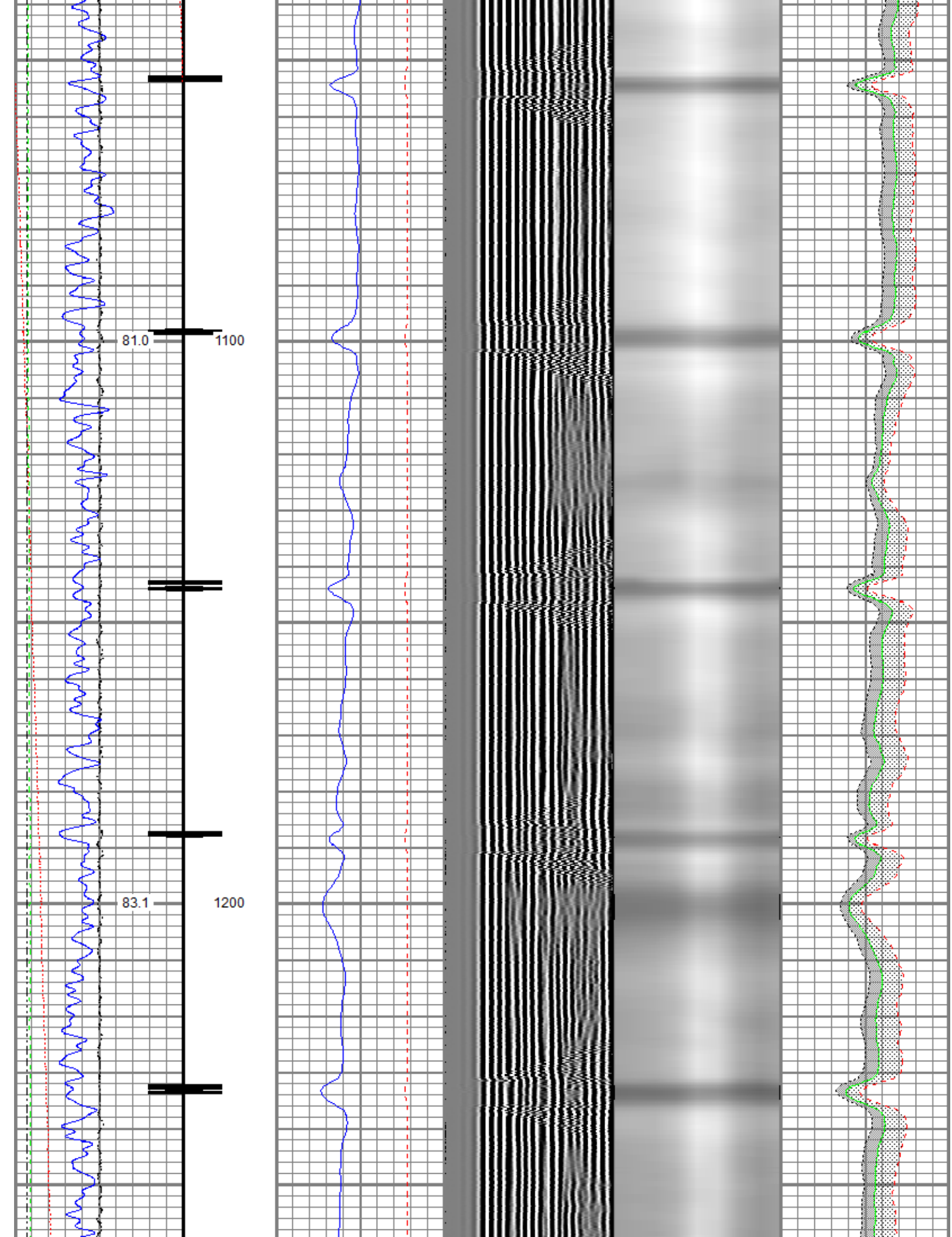


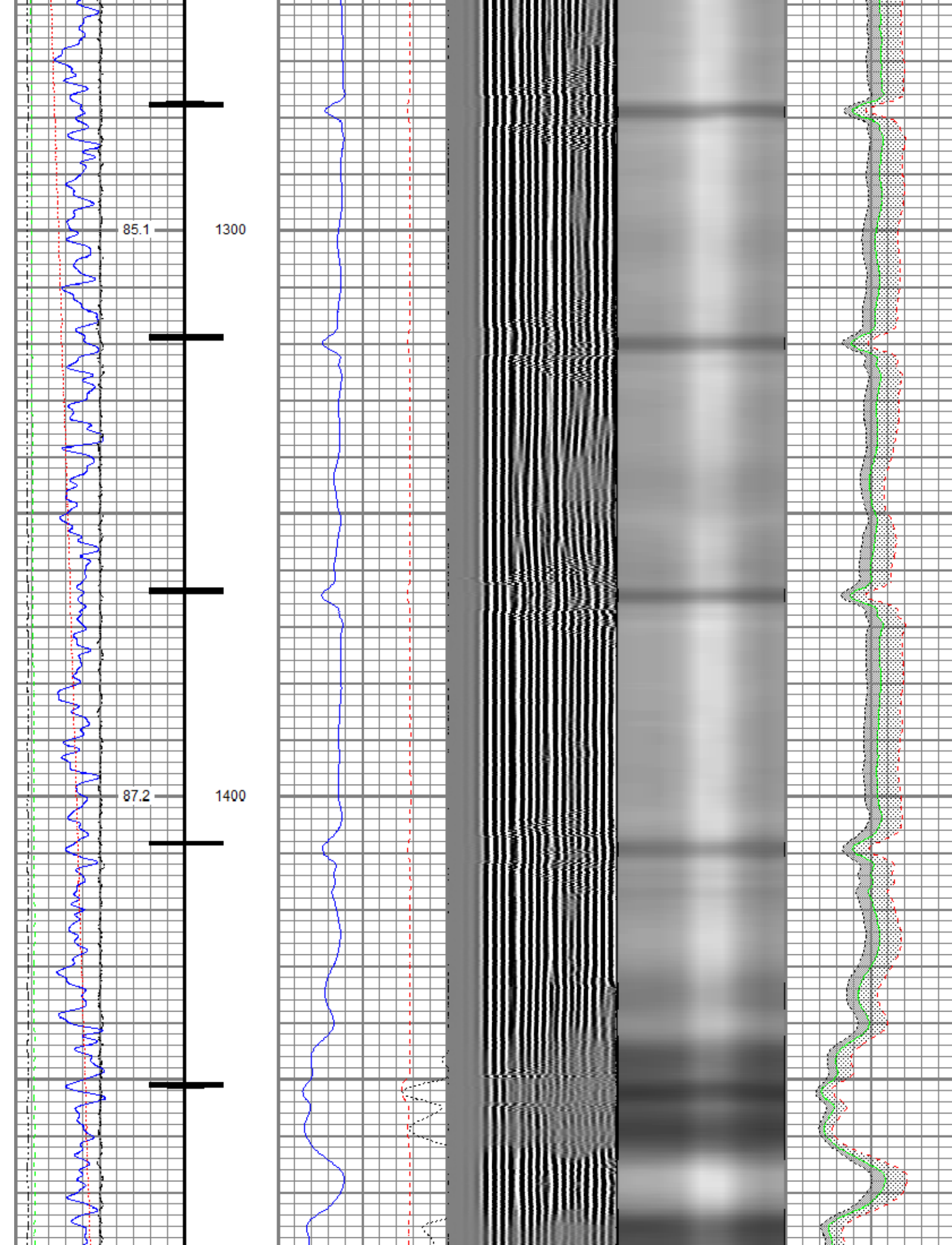


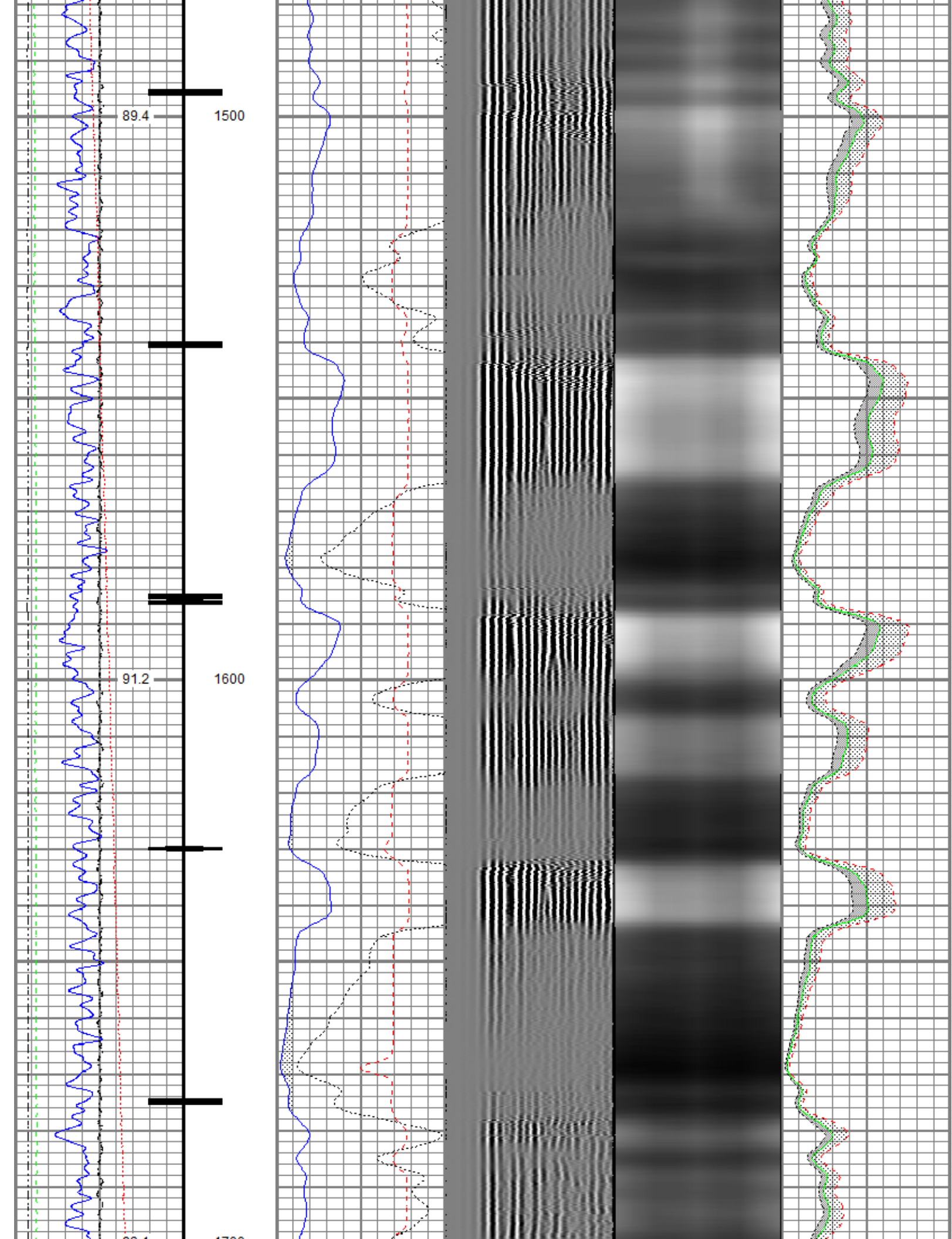


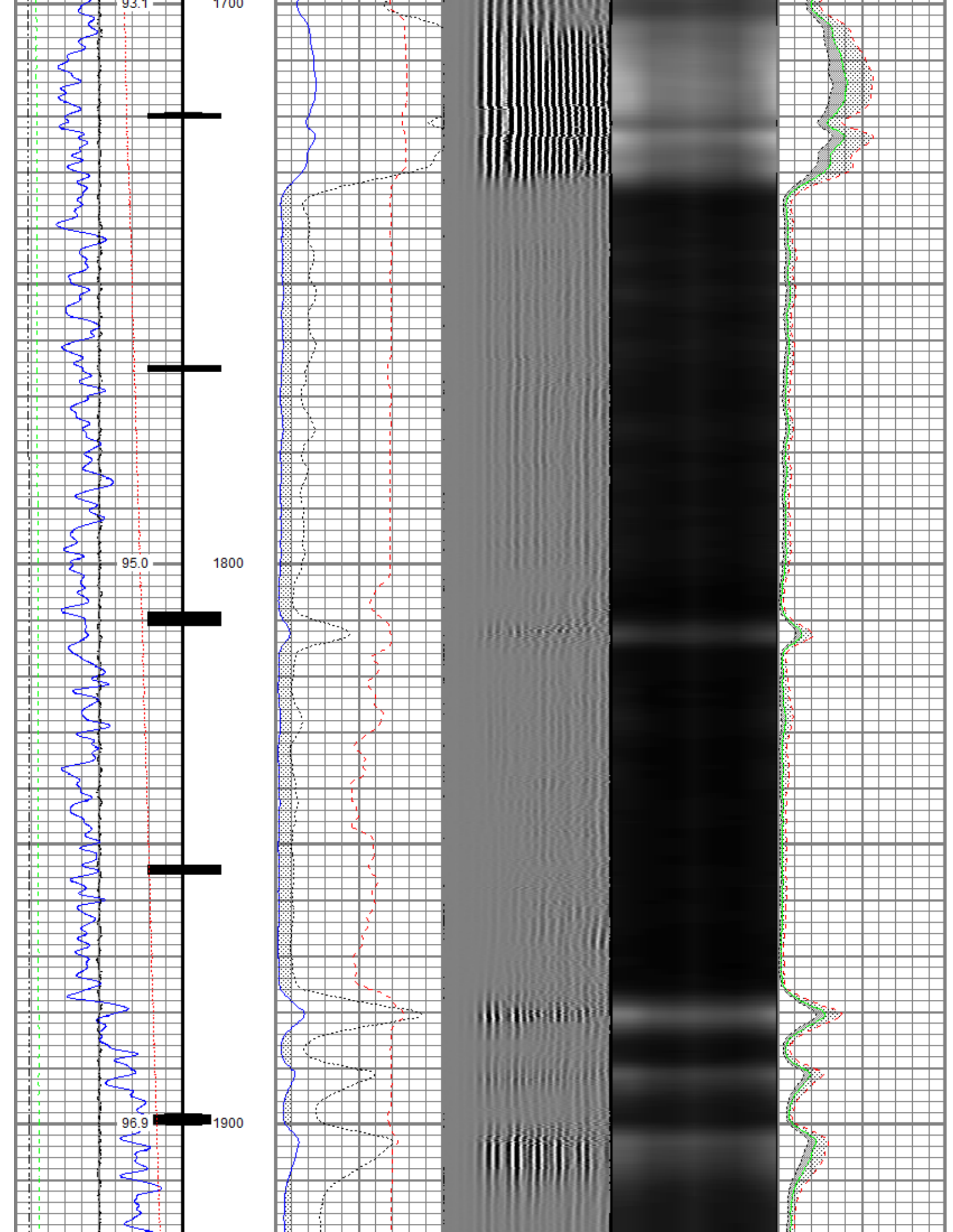


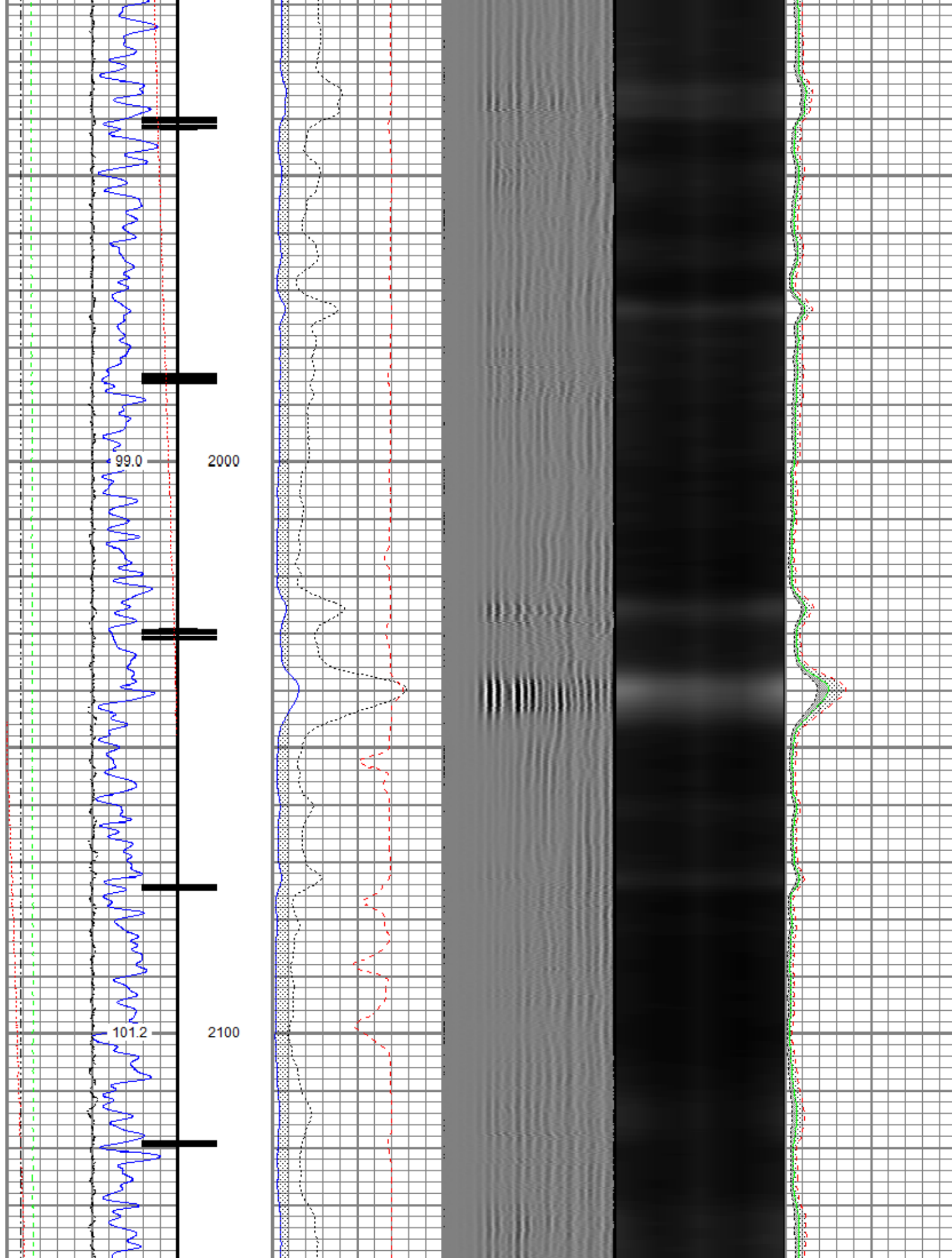


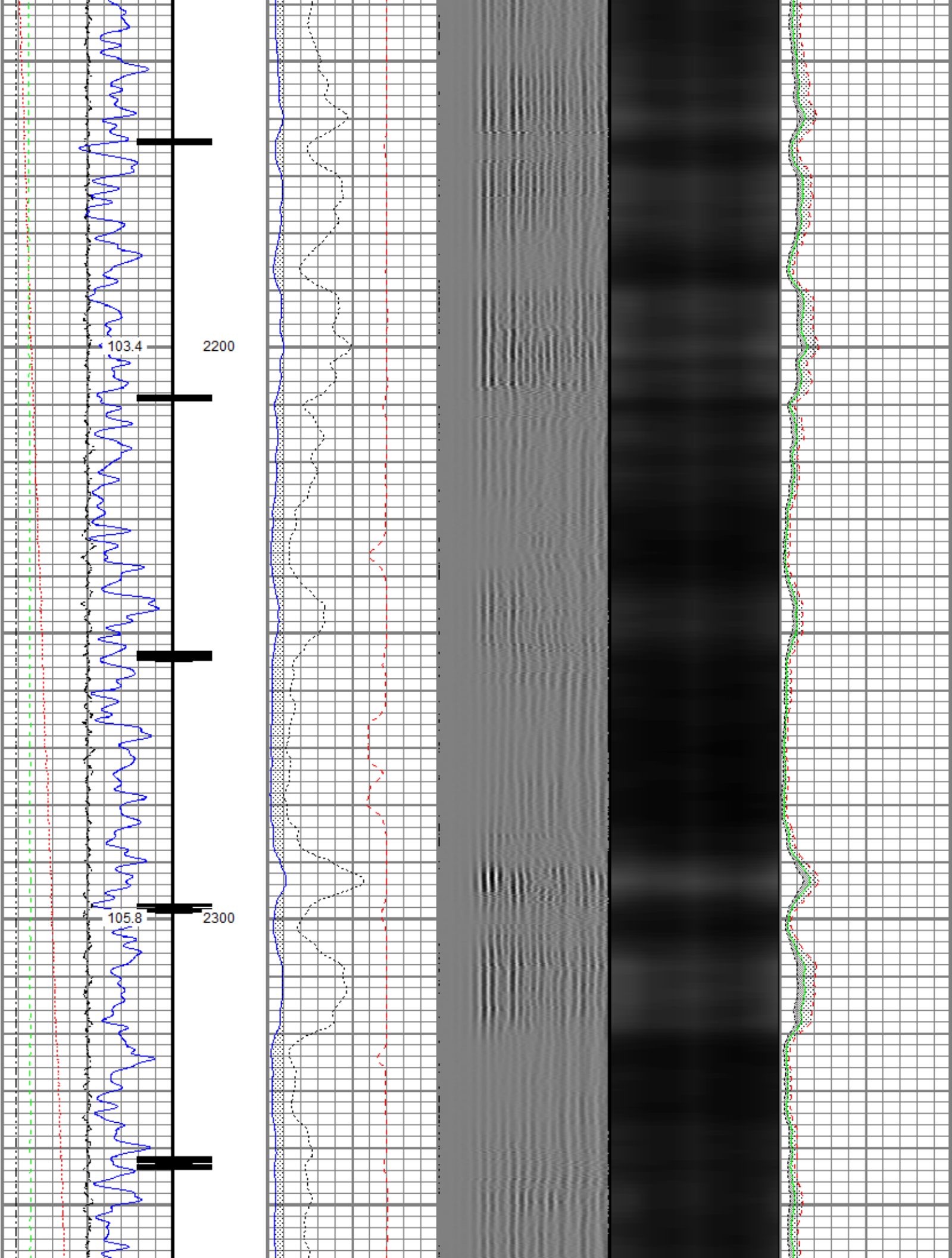


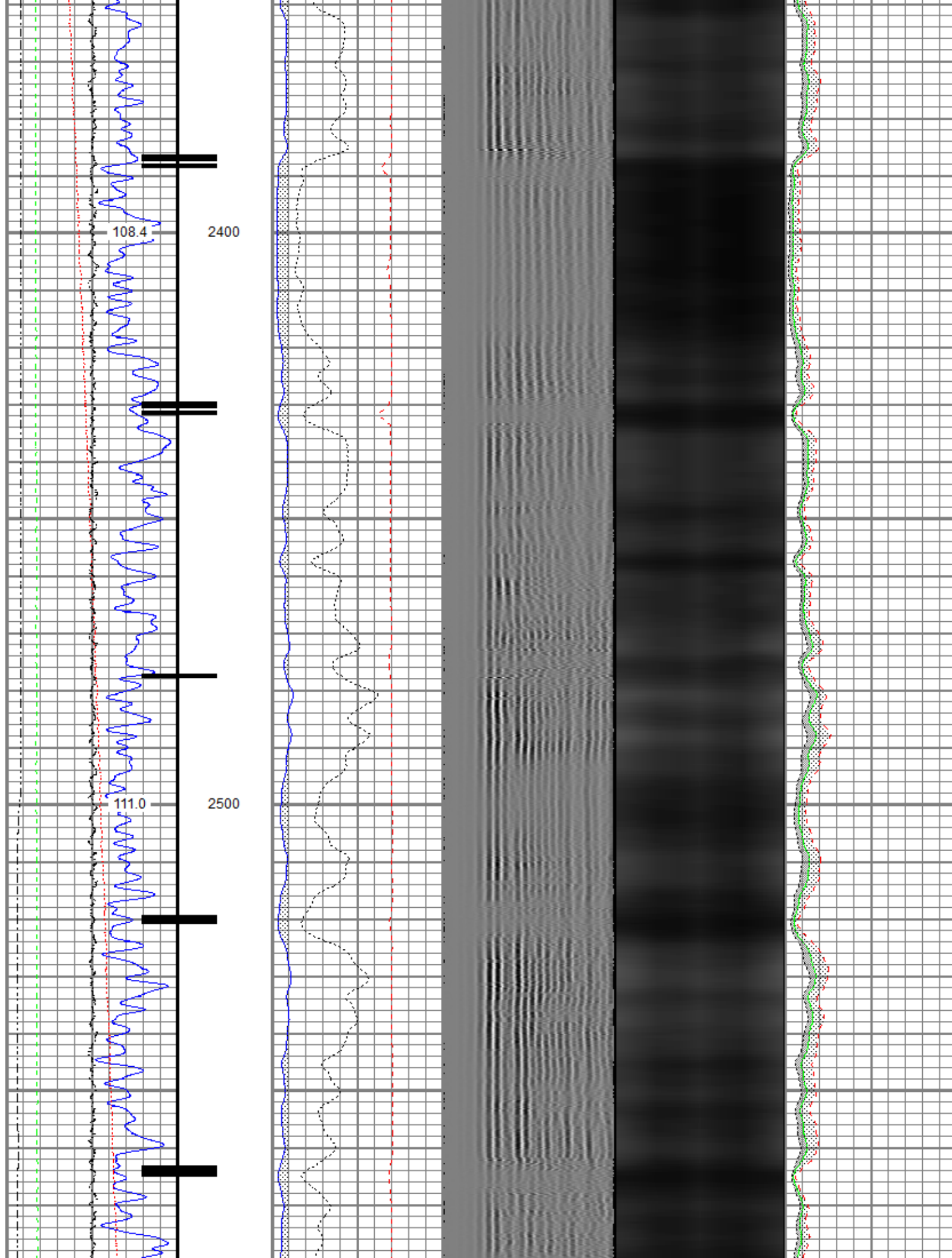


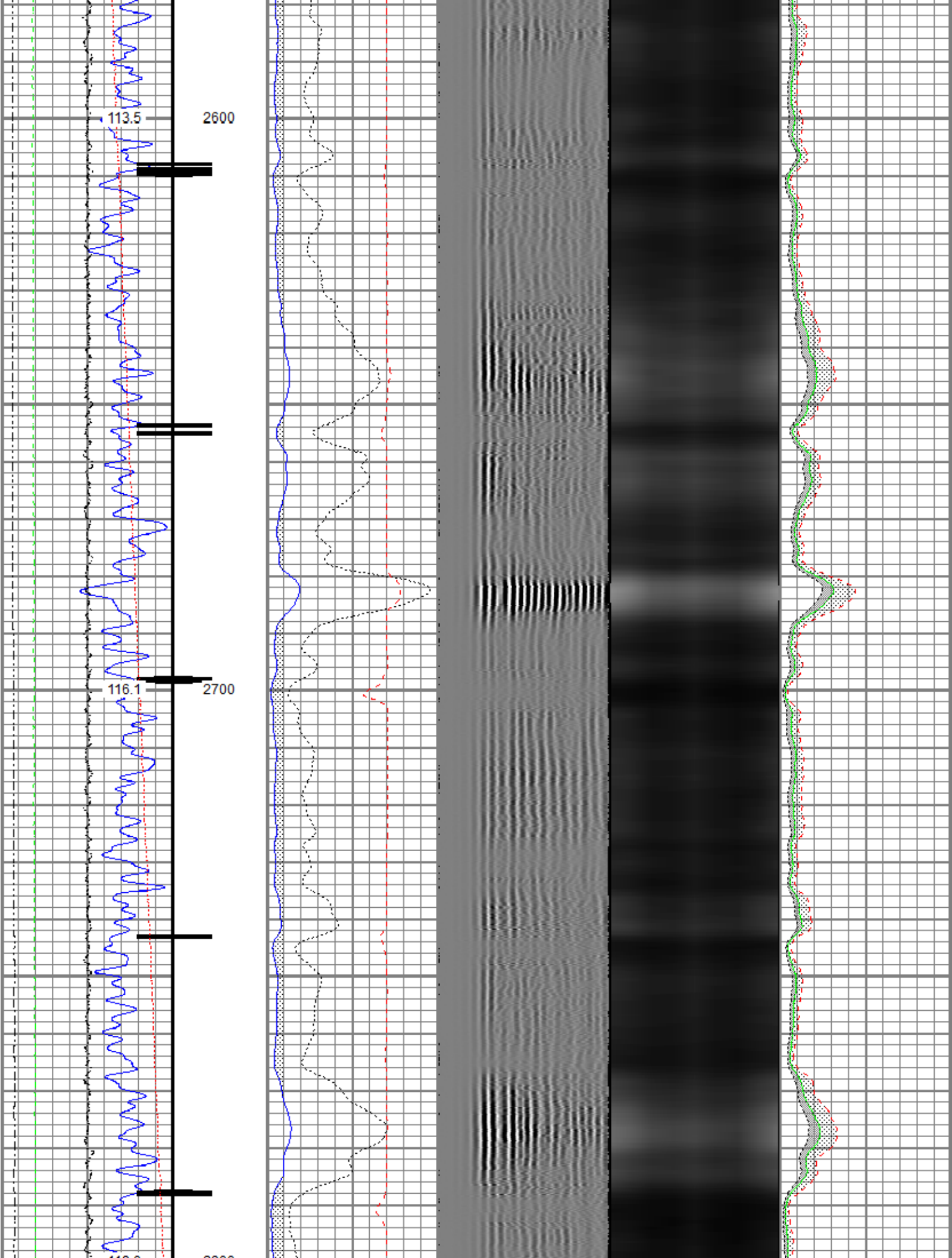


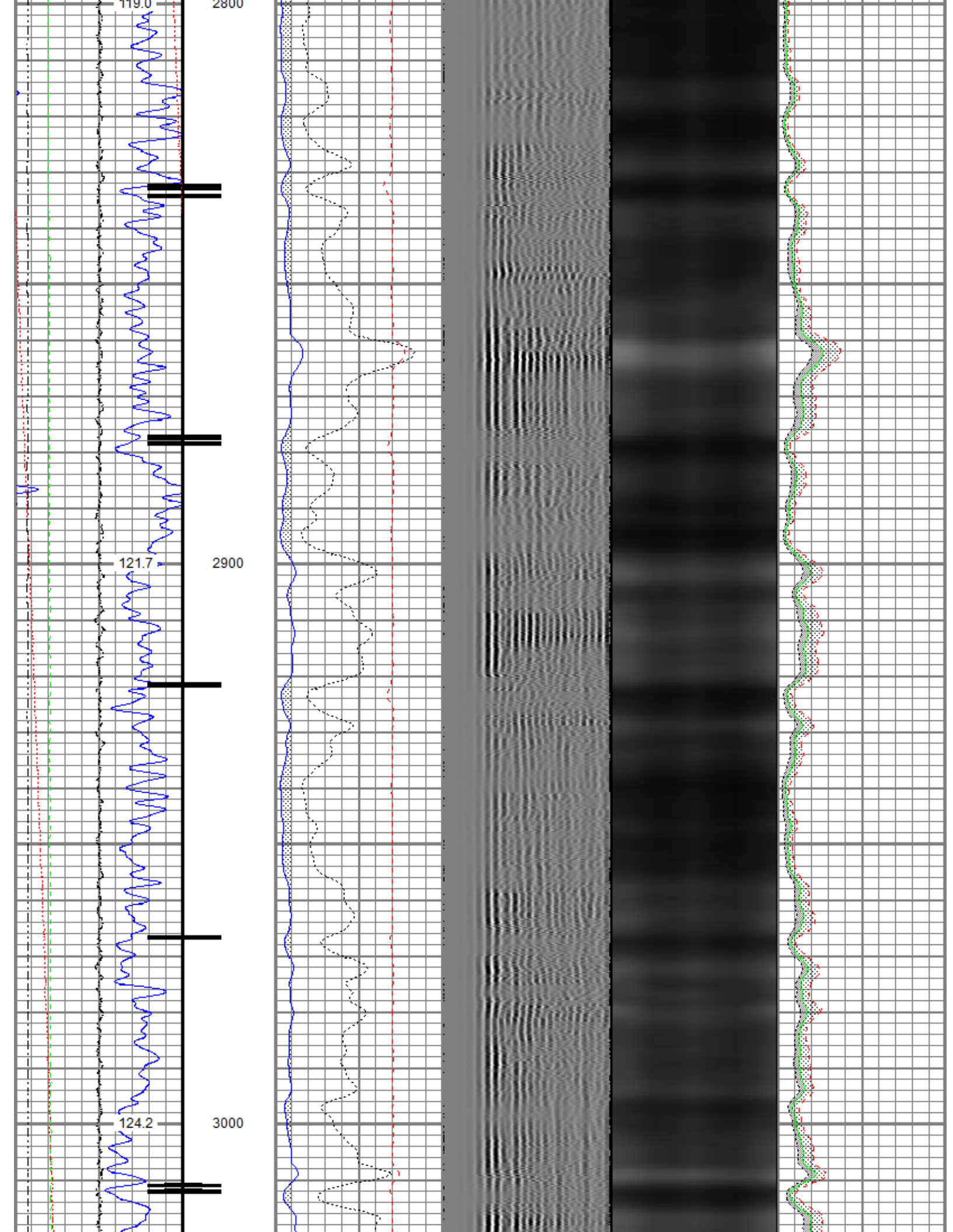


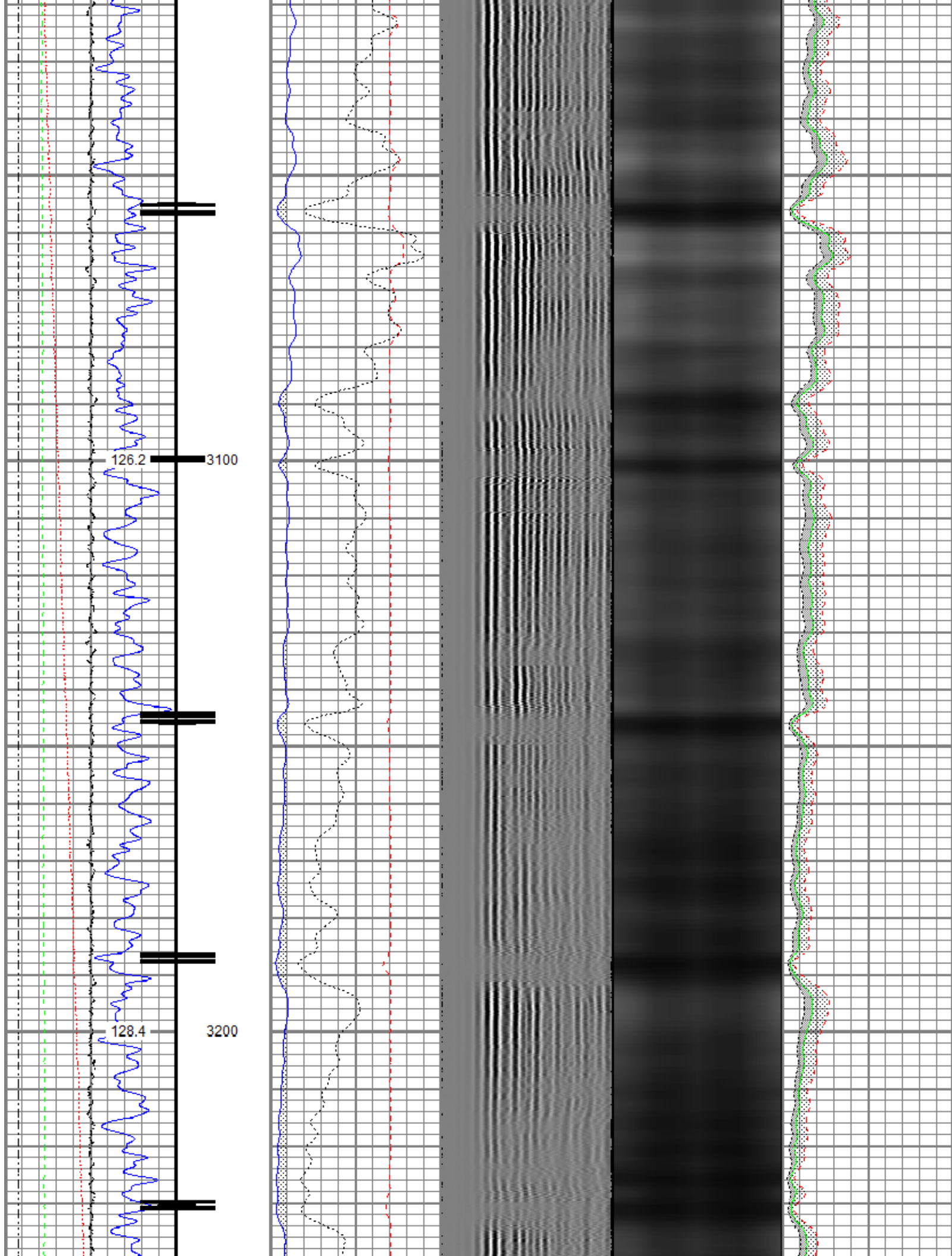


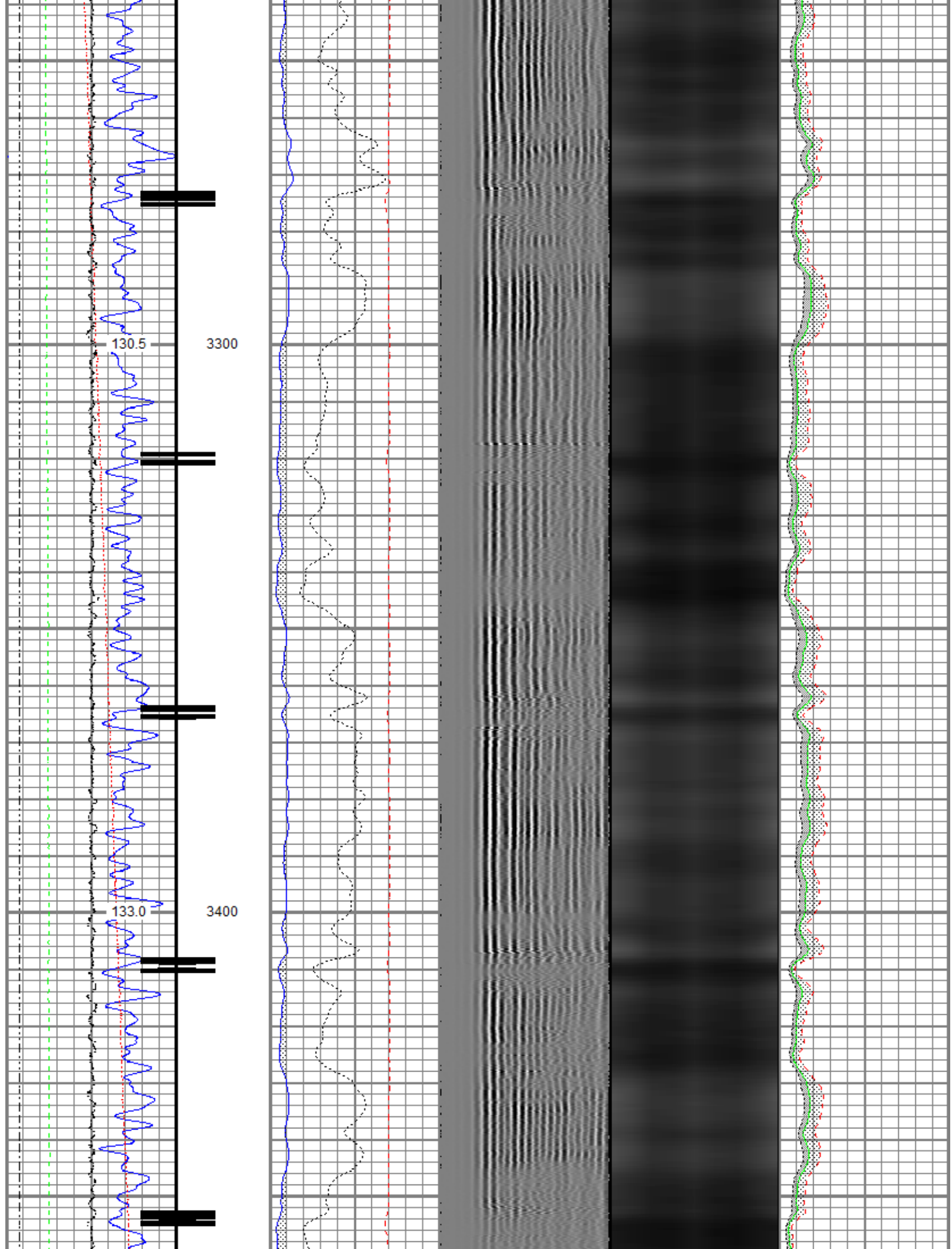


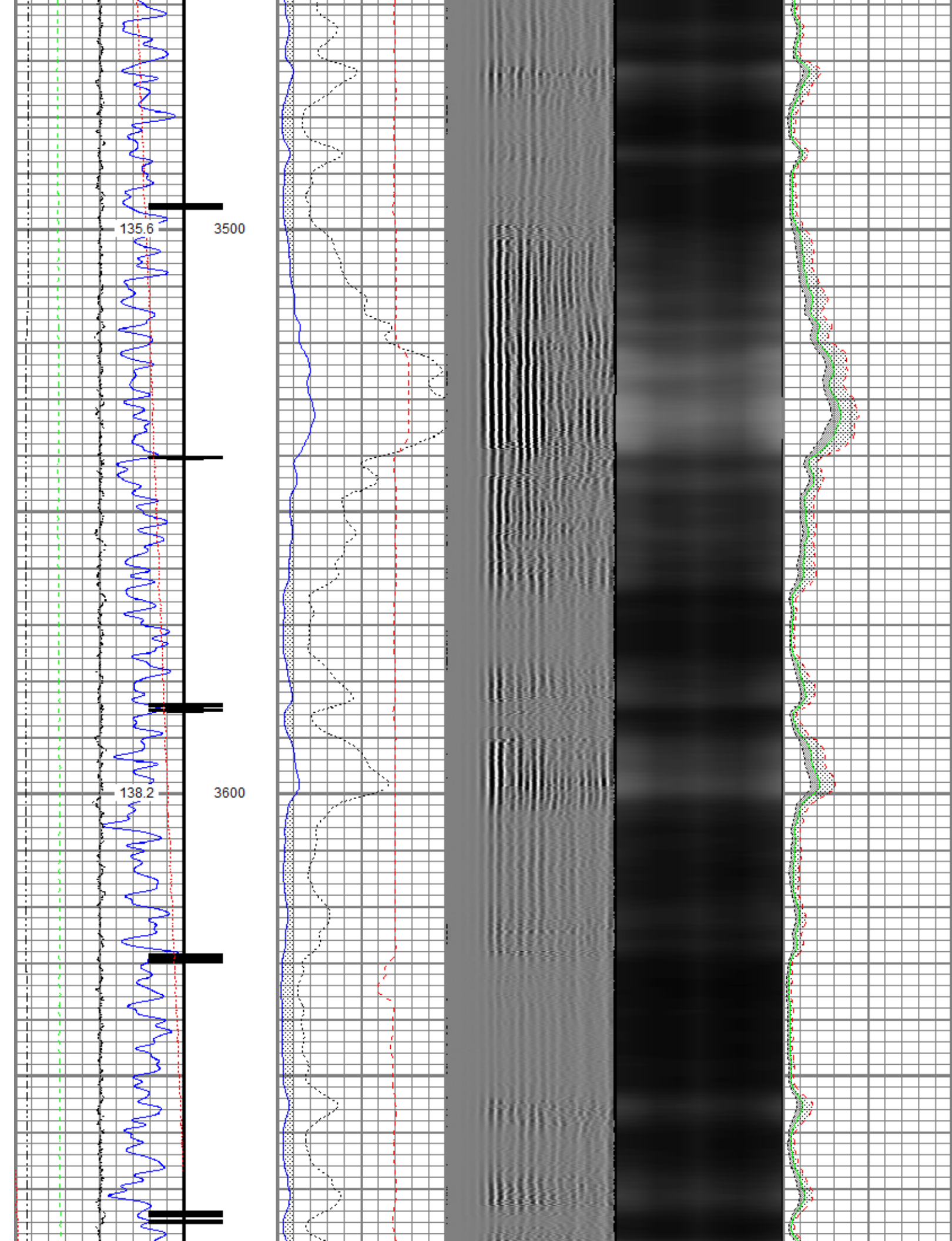


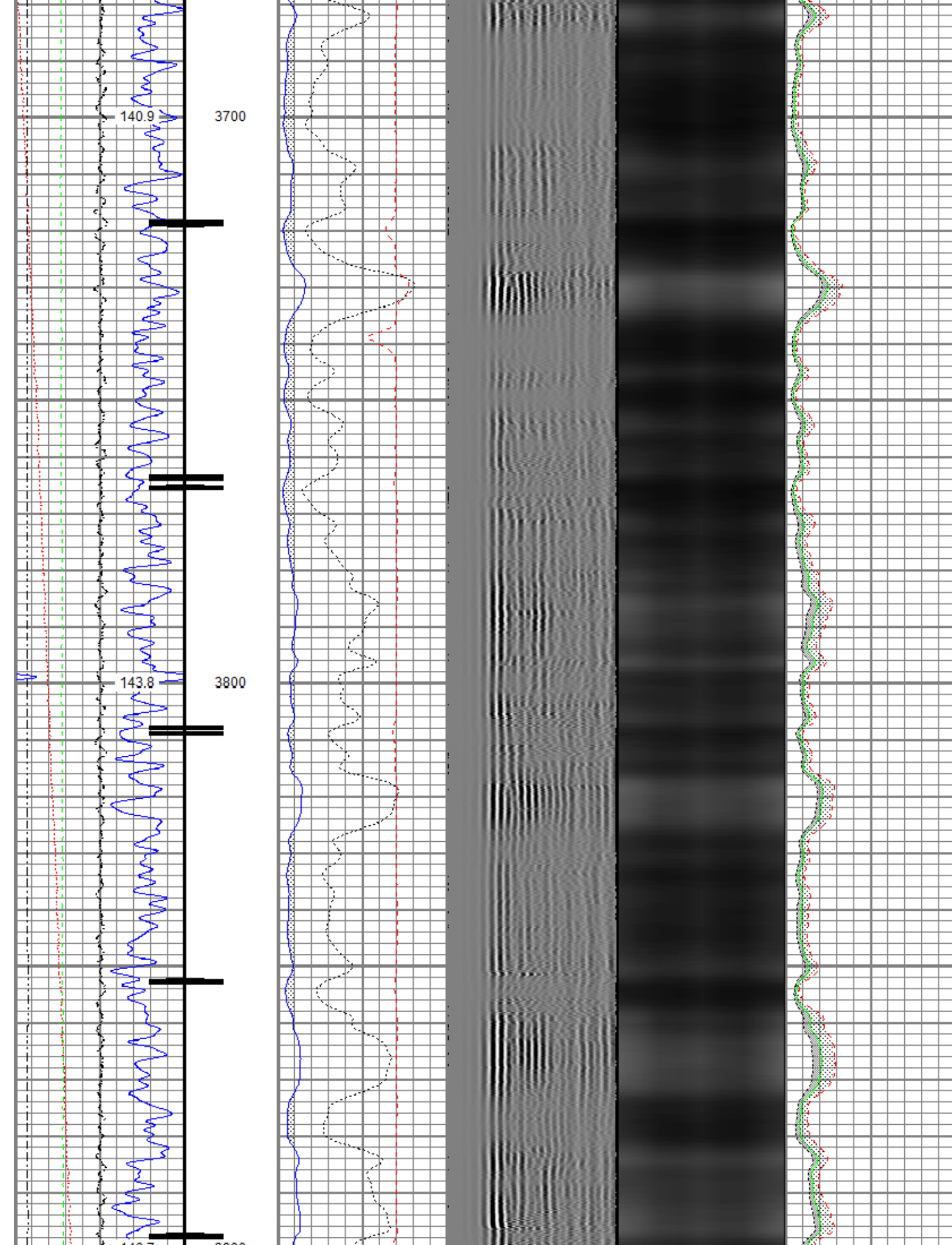


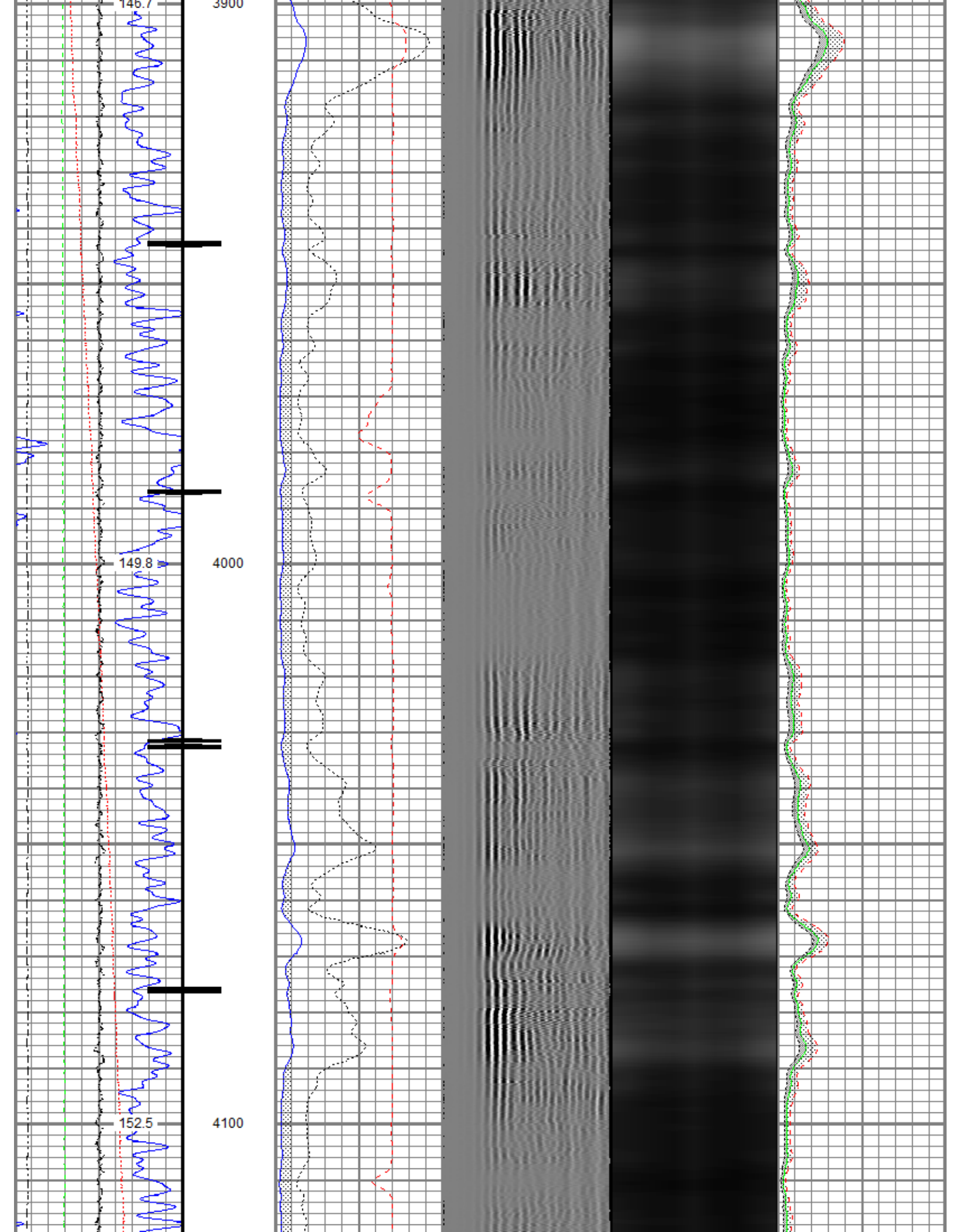


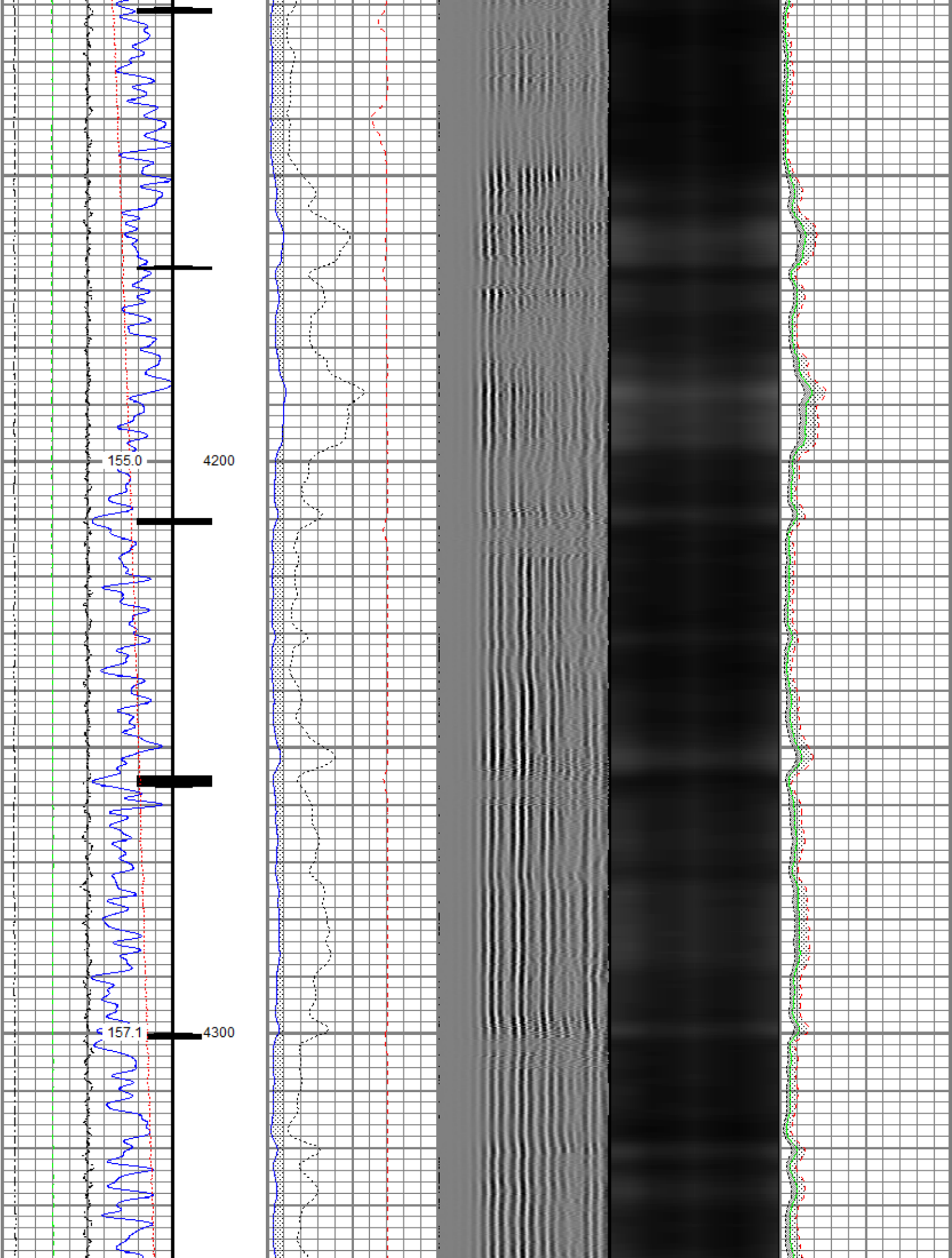


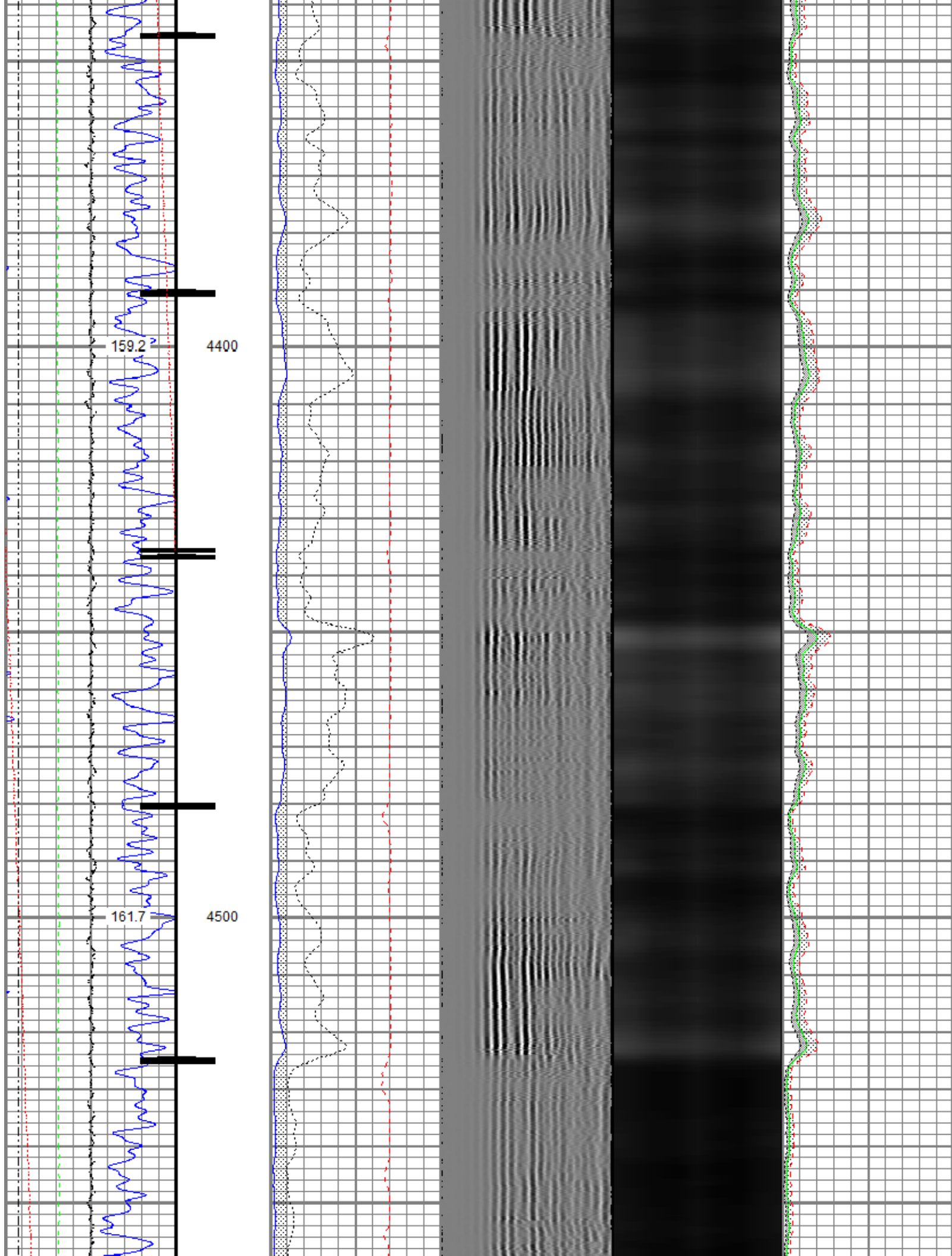


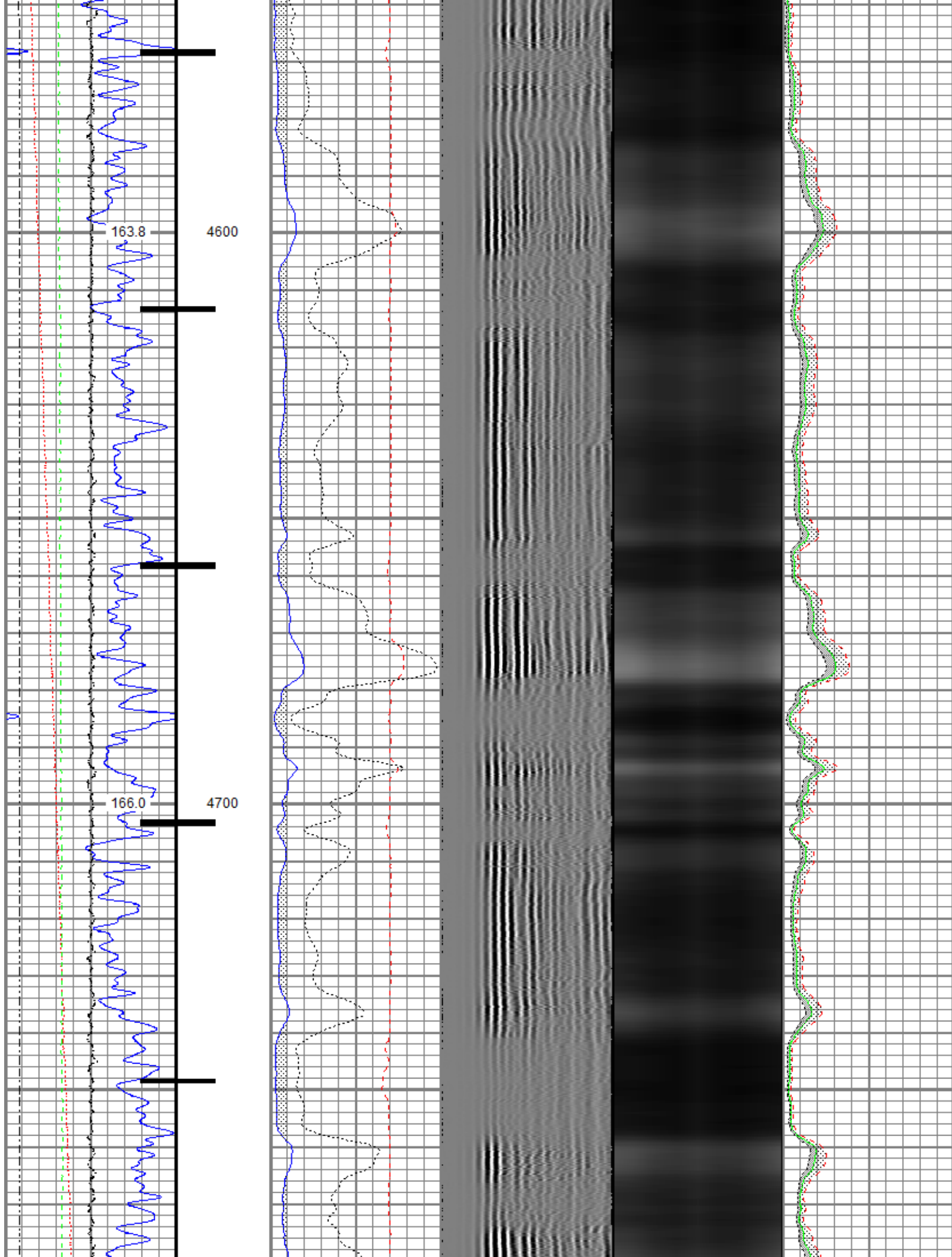


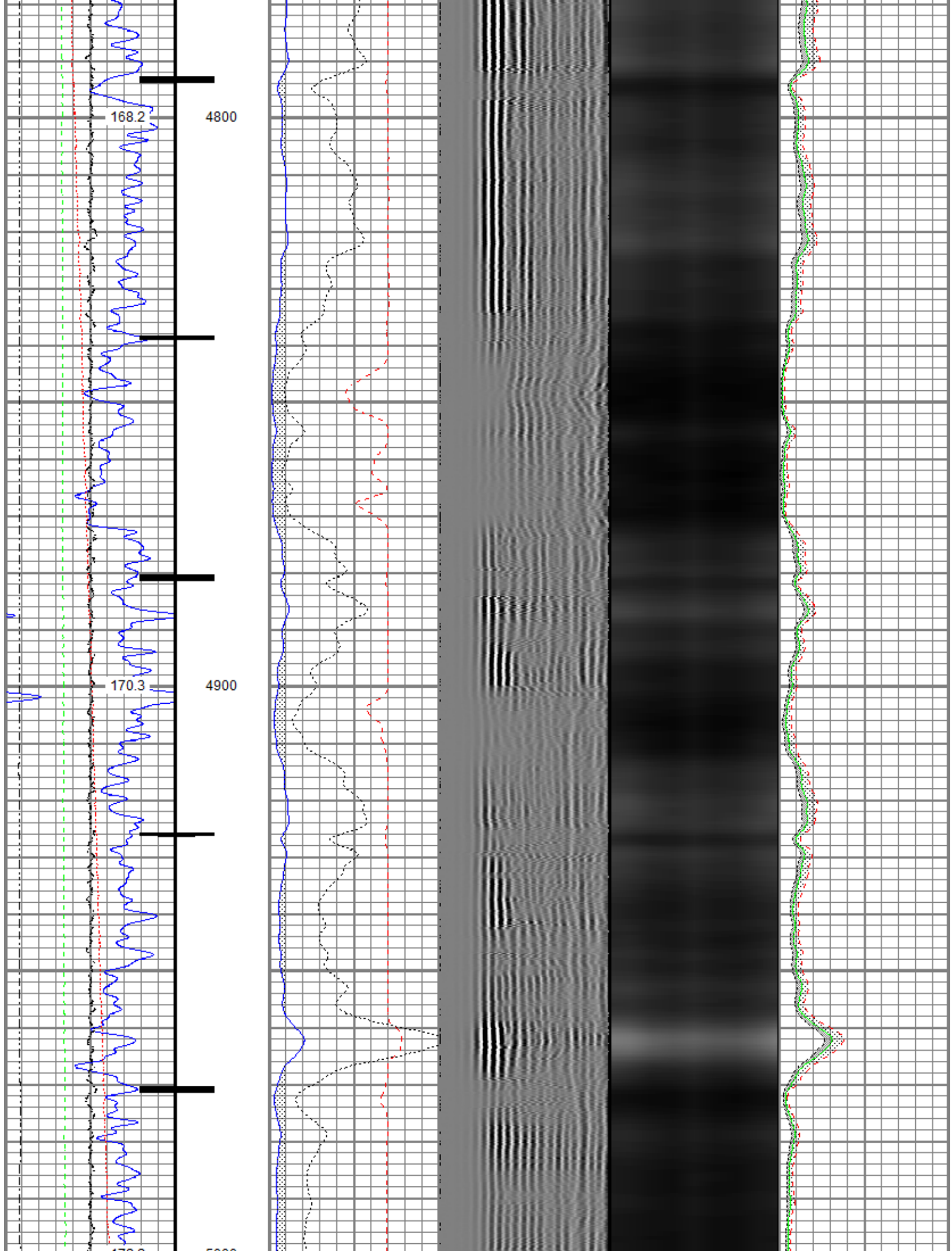


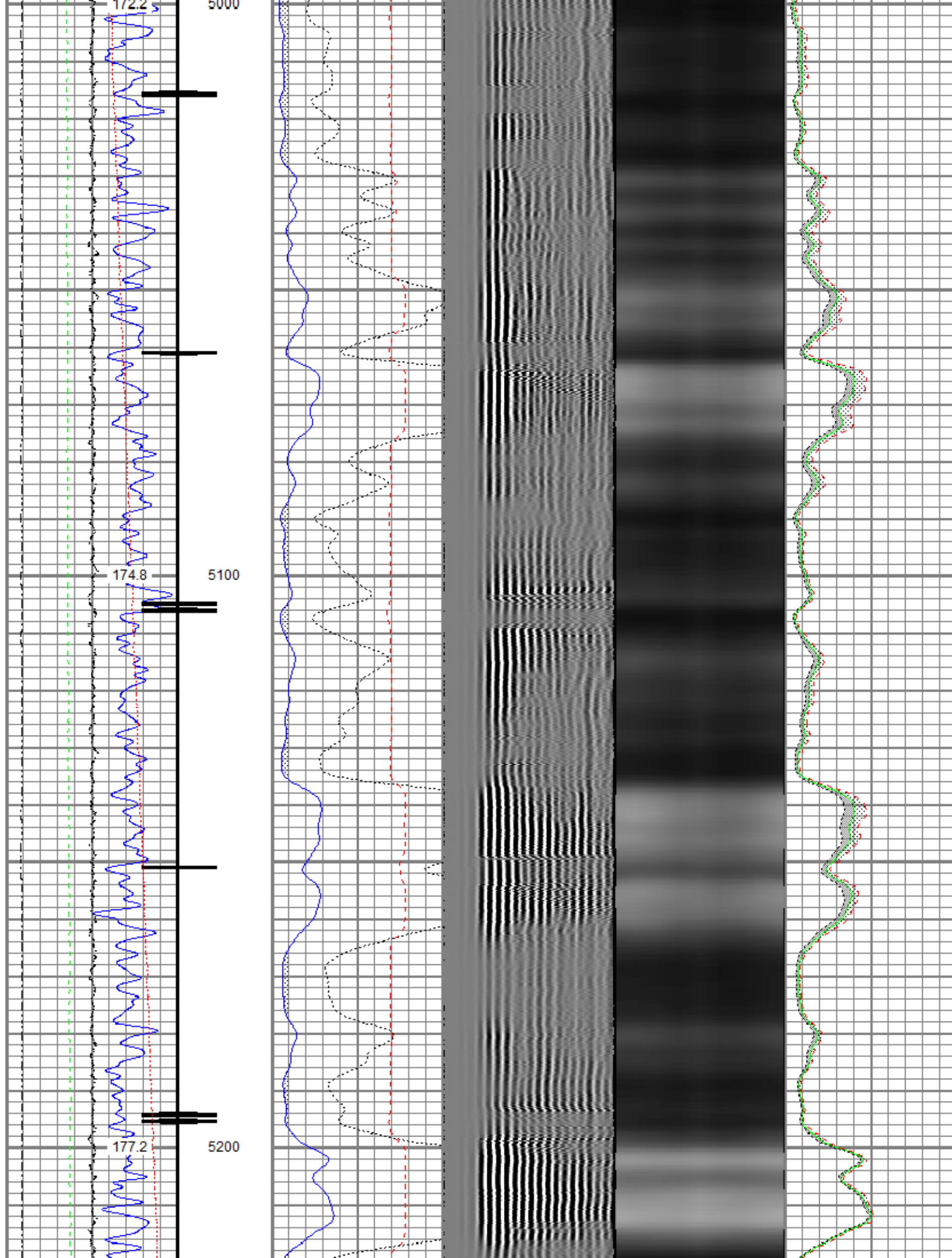


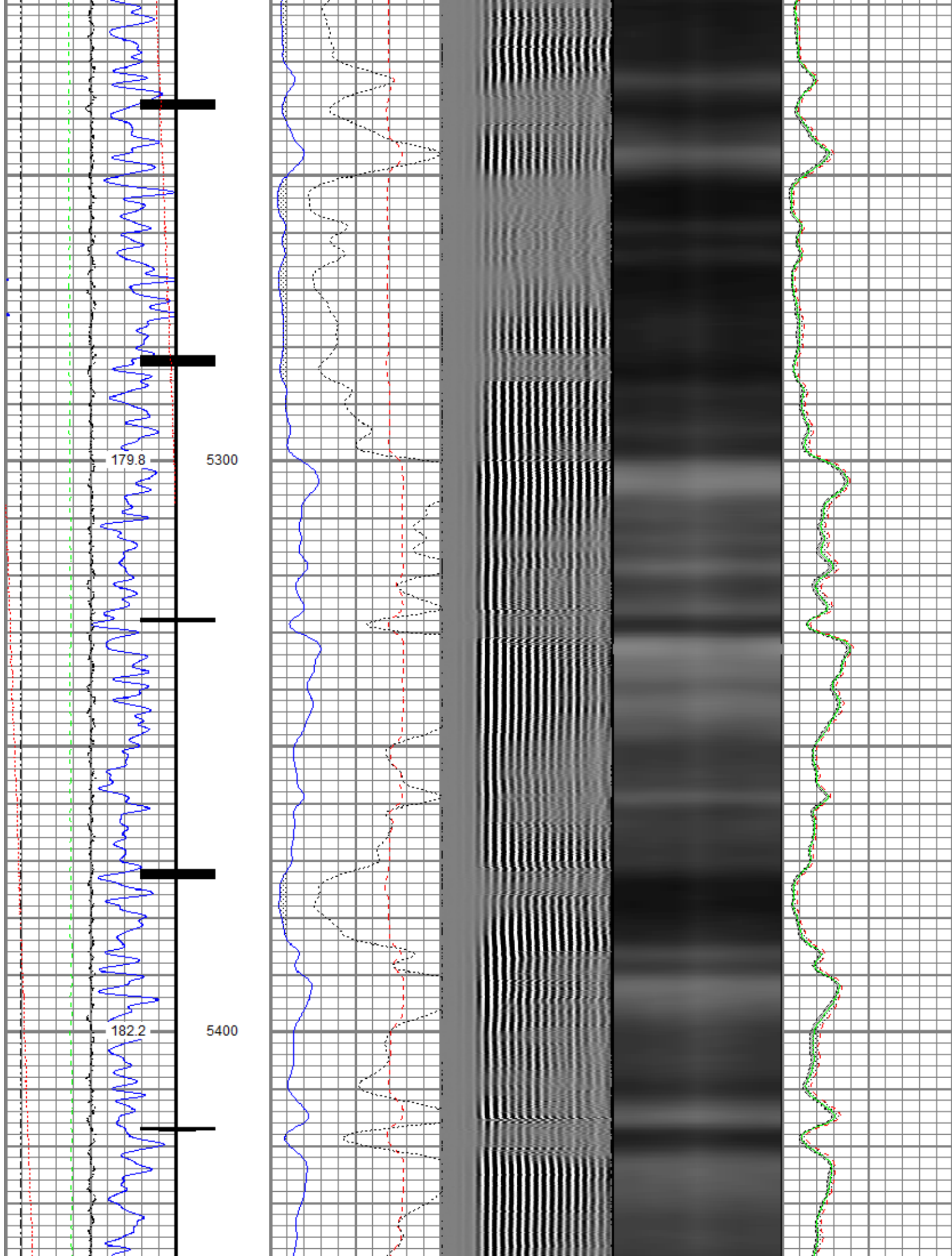


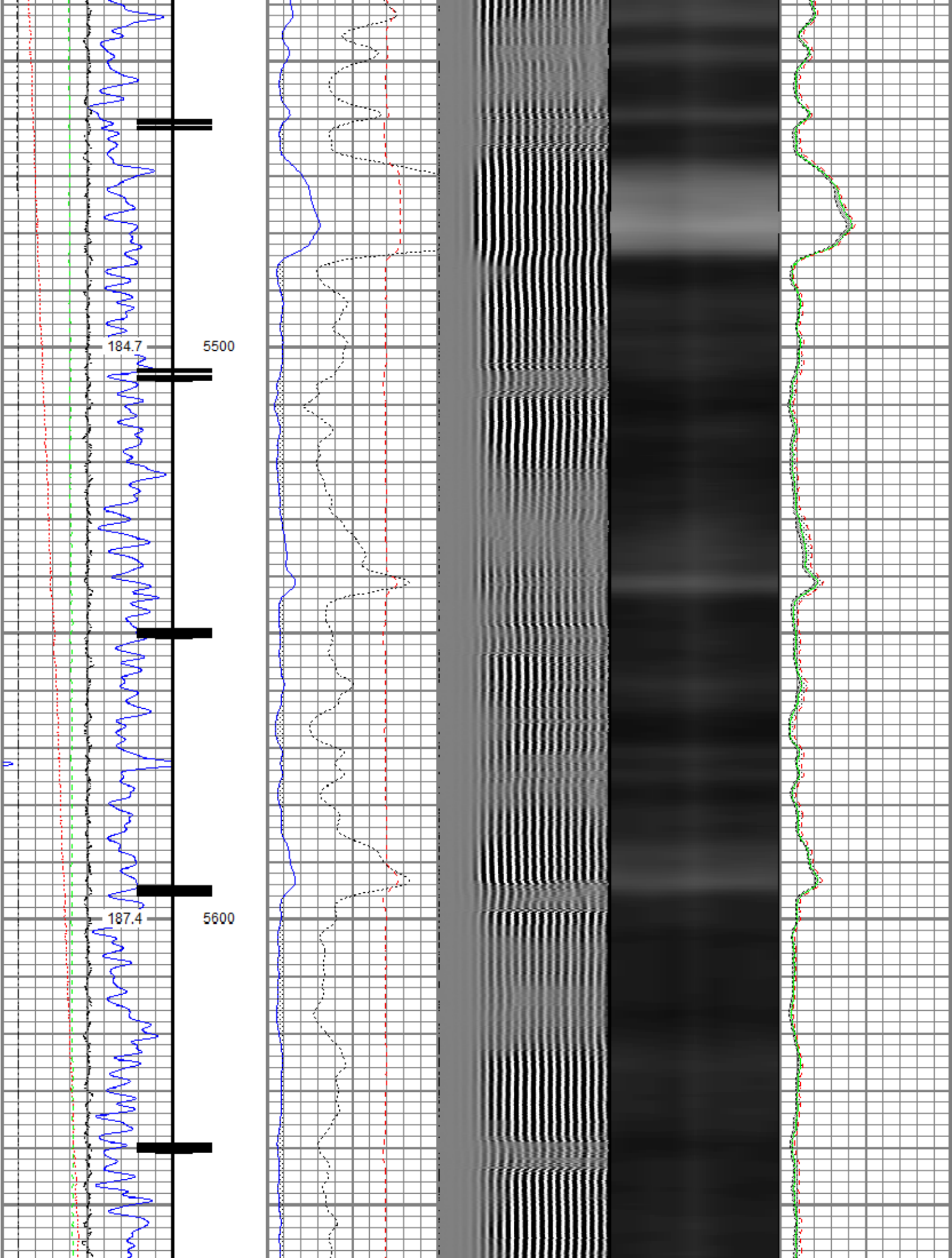


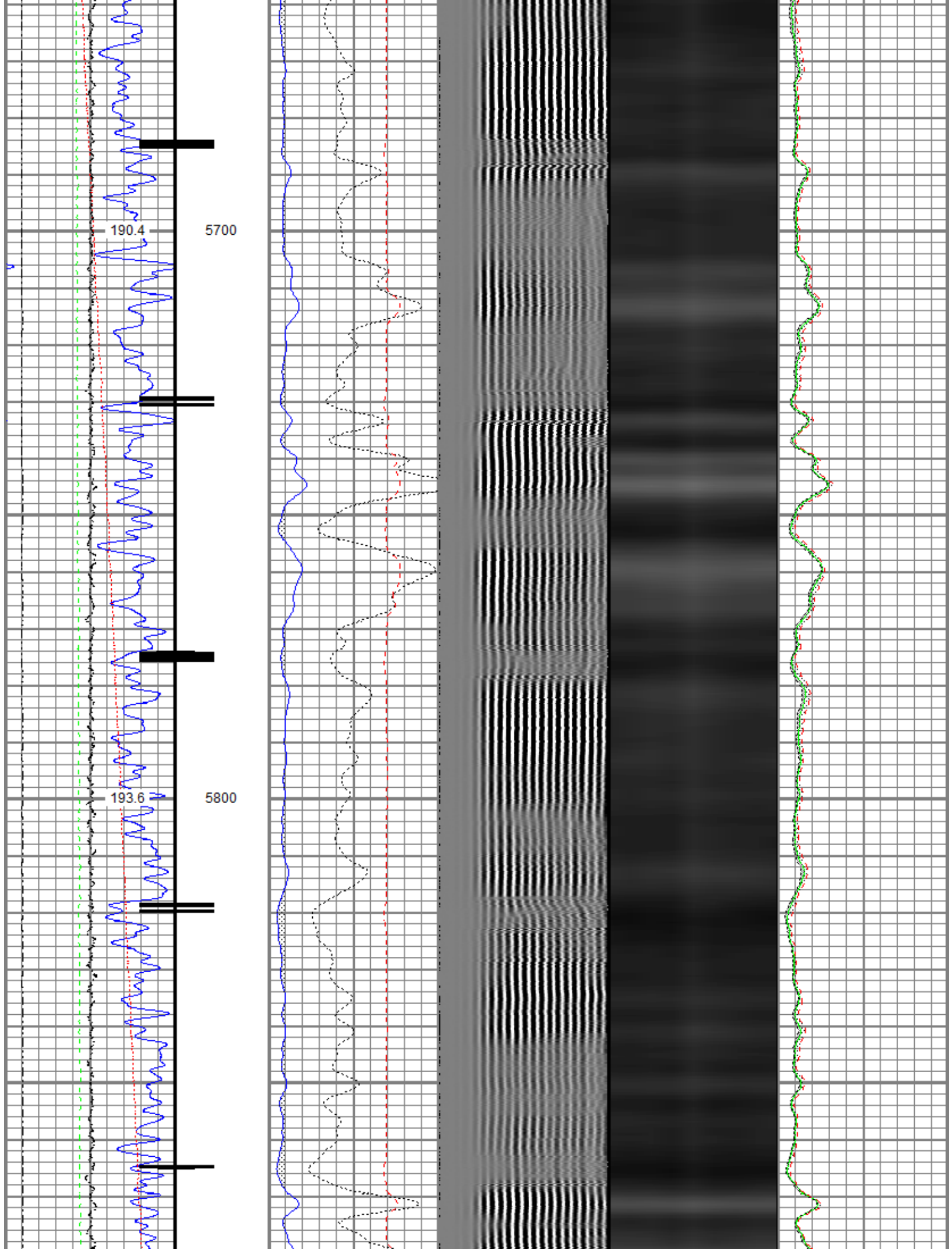


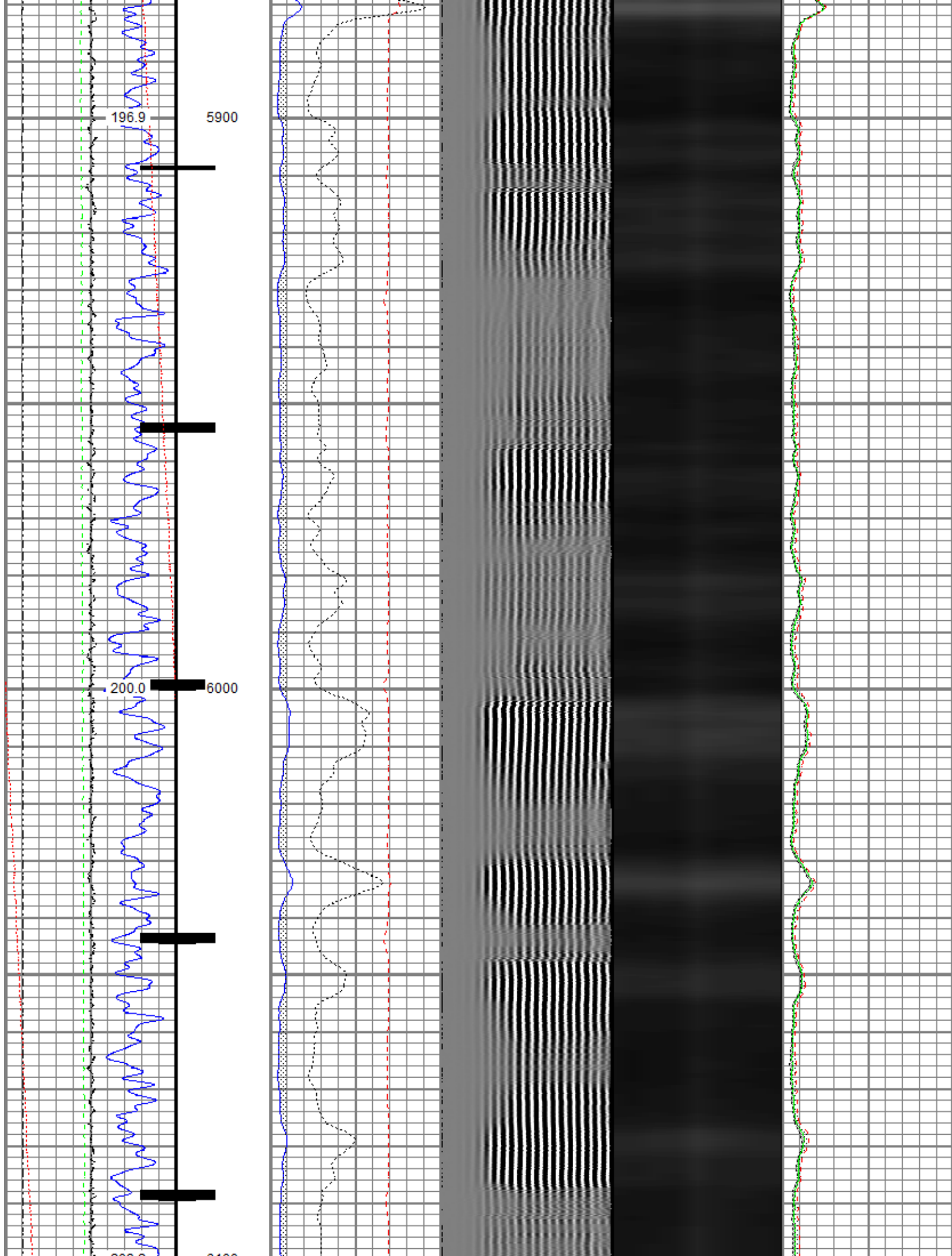


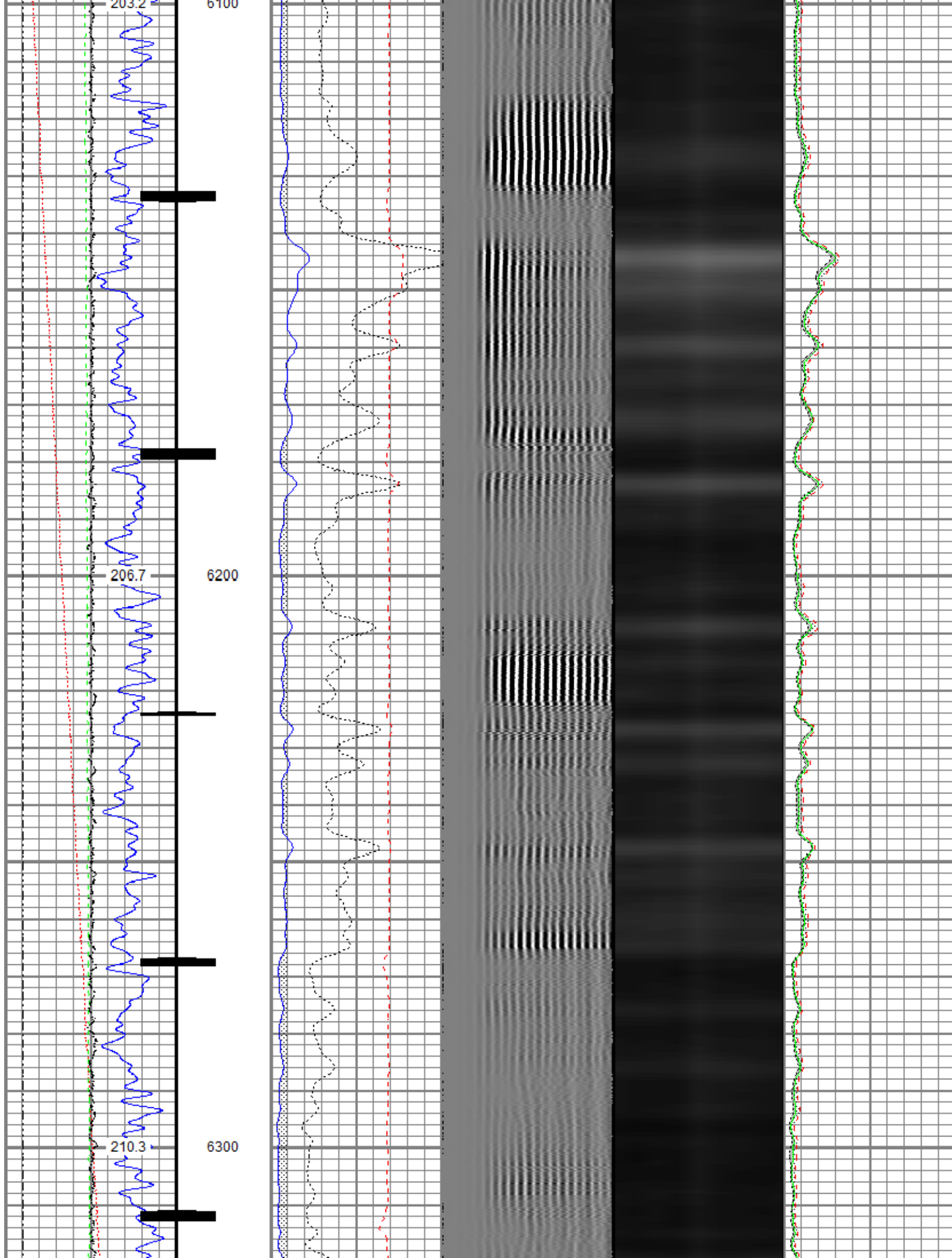


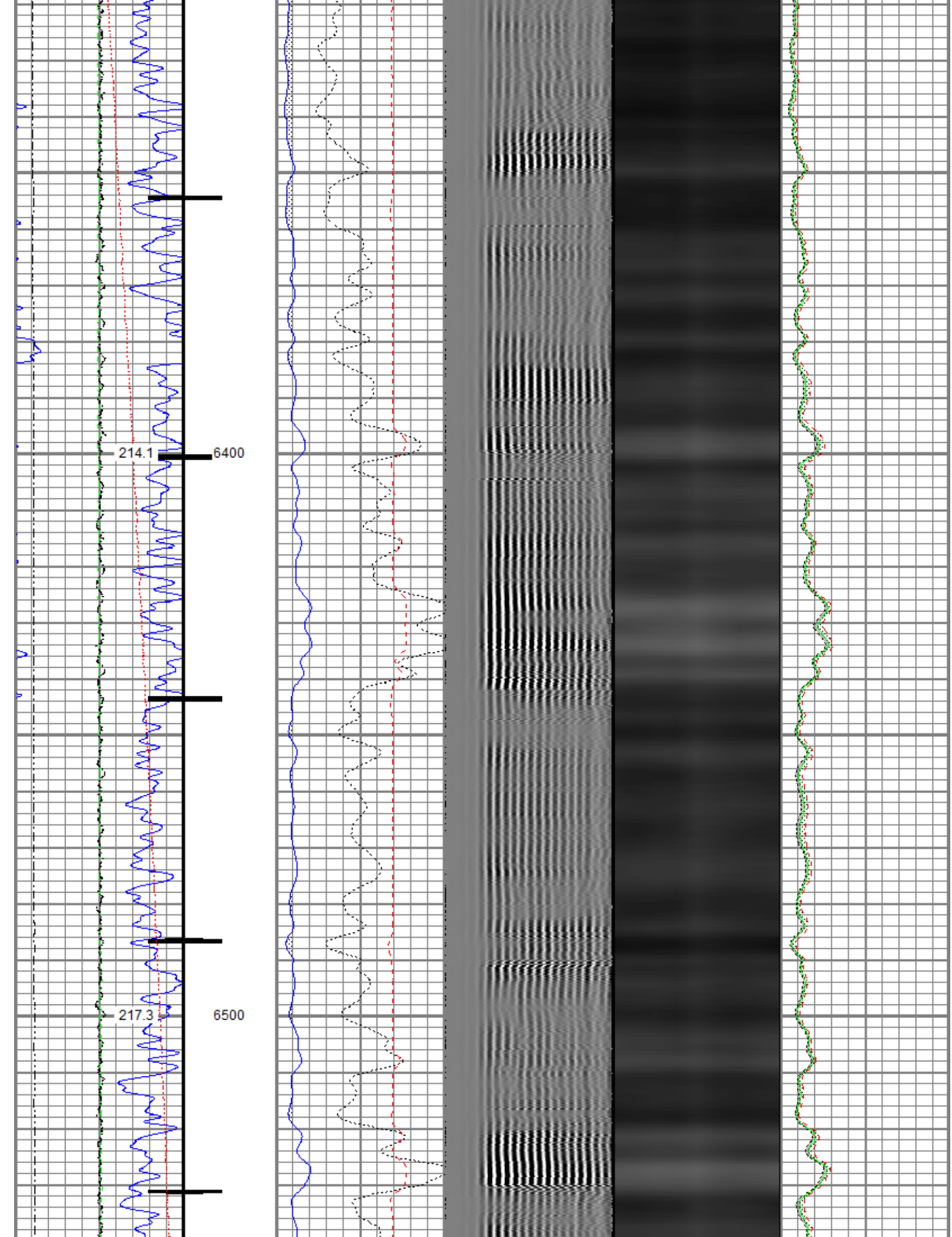


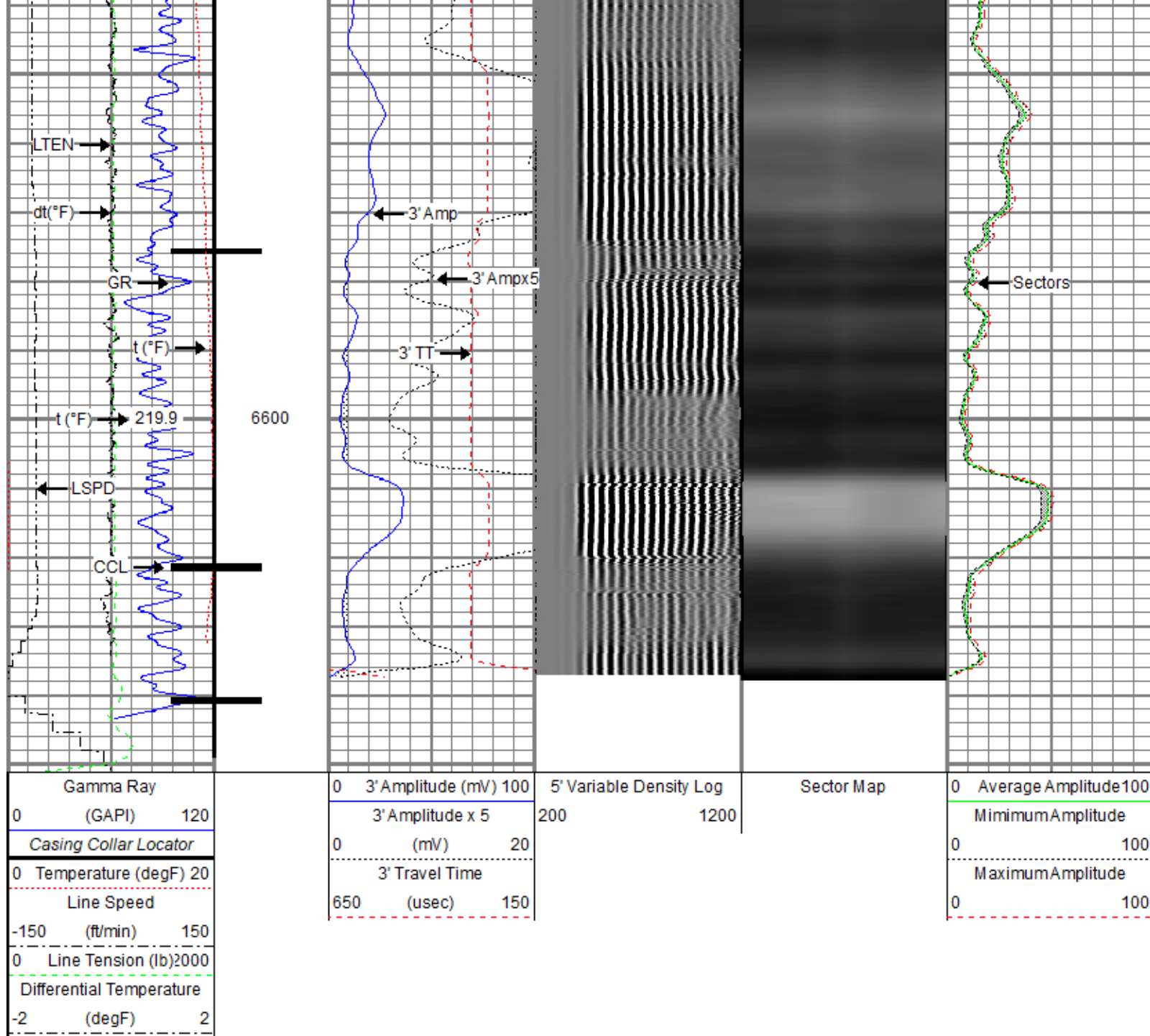








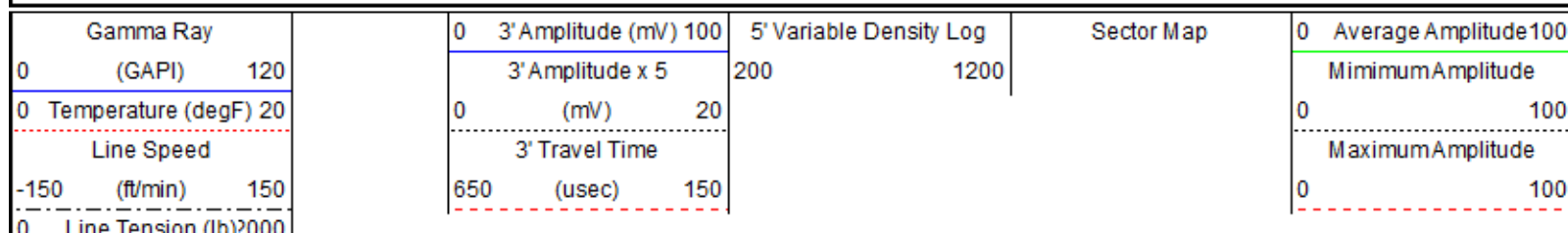


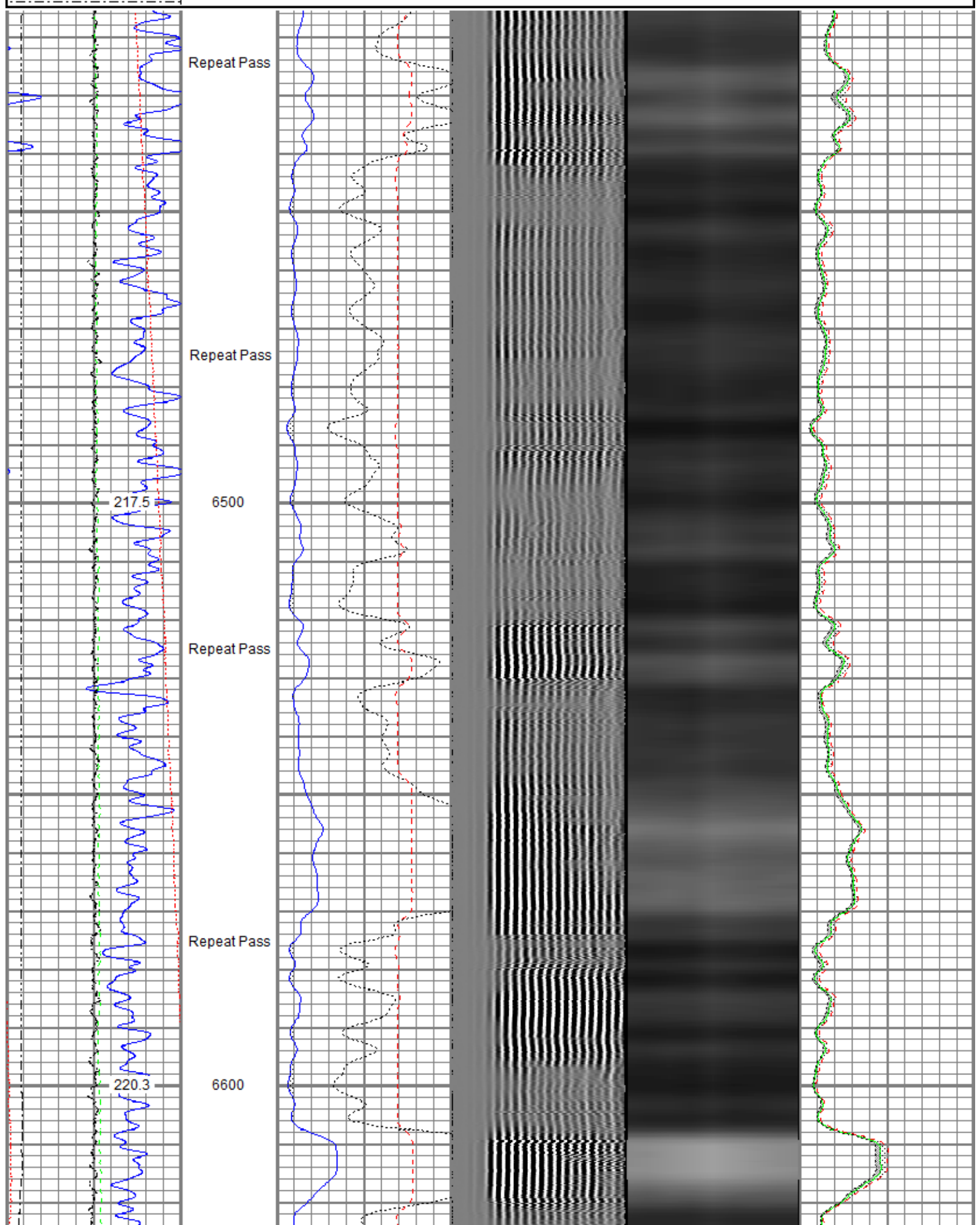


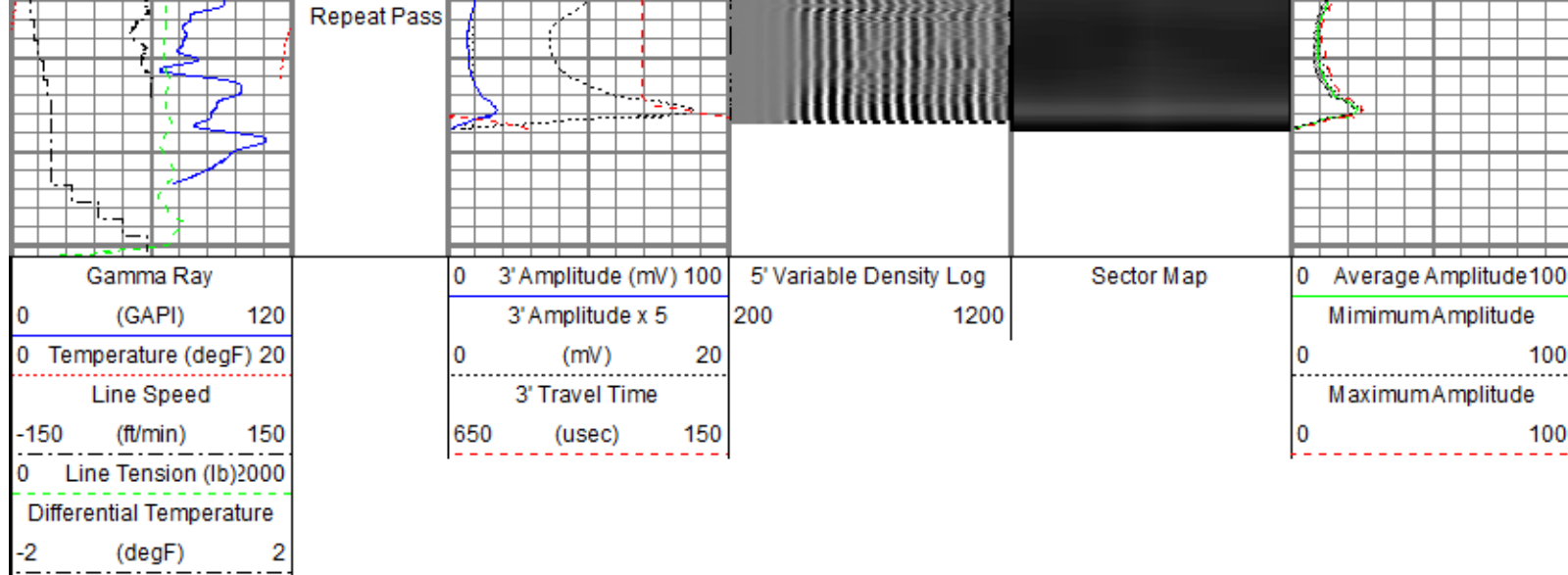
Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

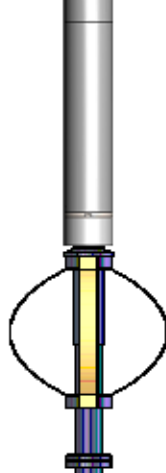
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 Dataset Pathname Repeat.3
 Presentation Format ros_radrii
 Dataset Creation Fri Aug 17 10:31:04 2018
 Charted by Depth in Feet scaled 1:240







Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	17.04		Titan CHD-14375 GO	1.03	1.44	3.60
			Titan 1-7/16" Assembled Electric Cable Head w/ 1" Fishing Neck			
			Probe CENT-2750	2.88	2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
WVFS8	14.81		Probe Radii-2750 RBT (FW1308-089)	9.39	2.75	105.00
WVFS7	14.81		Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub			
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					
CCL\$2	6.80		Probe CENT-2750	2.88	2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			
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: 0512346333_anadarko_george 25-6hz_rbl_08-16-18_2800 psi.db: field/well/run1/Main.6 Total length: 23.86 ft Total weight: 223.60 lb O.D.: 2.75 in						

Calibration Report	
Database File	c:\programdata\warrior\data\new folder (3)\0512346333_anadarko_george 25-6hz_rbl_08-16-18_2800 psi.db
Dataset Pathname	Main.6
Dataset Creation	Fri Aug 17 11:11:48 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:	FW1308-089	
Tool Model:	2750 RBT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	0.000	ft

Master Calibration, performed (Derived):						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.614	0.800	71.921	116.596	0.294
CAL	0.707	0.709				
5'	0.001	0.613	0.800	71.921	116.192	0.716
SUM						
S1	0.003	0.612	0.000	100.000	164.295	-0.558
S2	0.003	0.619	0.000	100.000	162.460	-0.567
S3	0.003	0.627	0.000	100.000	160.275	-0.425
S4	0.003	0.627	0.000	100.000	160.256	-0.522
S5	-0.011	0.632	0.000	100.000	155.549	1.651
S6	0.001	0.642	0.000	100.000	155.863	-0.114
S7	0.003	0.641	0.000	100.000	156.910	-0.505
S8	0.003	0.636	0.000	100.000	158.023	-0.478

Internal Reference Calibration, performed (Not Performed):
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	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.707	0.709	1.000	0.000

Air Zero Calibration, performed Thu Aug 16 06:26:10 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.005		0.000		0.001	
5'	0.008		0.000		-0.001	
SUM						
S1	0.004		0.000		0.000	
S2	0.006		0.000		-0.001	
S3	0.005		0.000		-0.000	
S4	0.005		0.000		-0.000	
S5	0.006		0.000		-0.001	
S6	0.005		0.000		-0.000	
S7	0.005		0.000		-0.000	
S8	0.005		0.000		0.000	

Temperature Calibration Report

Serial Number: FW1308-089
Tool Model: 2750 RBT
Performed: Sun Nov 12 13:49:09 2017

	Reference	Reading
Low Reference:	100.00 degF	106.47 degF
High Reference:	350.00 degF	395.10 degF
Gain:	0.87	
Offset:	7.78	
Delta Spacing	1	



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	George 25-6HZ
Field	Wattenberg
County	Weld
State	Colorado