



County Weld State Colorado

G.L. 5071*

Date	18-JUN-2018
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Run Number	F-04F
Depth Driller	18789 FT
Depth	6700 FT

Bottom Logged Interval	6766 FT
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Open Hole Size	7.875"
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Density / Viscosity	8.34 lb/gal
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Estimated Cement Top	See Log
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Time Logger on Bottom	12:30
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Location	Platteville, CO
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Witnessed By	Kyle Carver
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Run Number	Bit	From	To
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Surface Casing	9 5/8	36
Production Stringer	7 1/8	47

Intermediate #2		
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[illegible]

Comments

Log ran as per customer request
Depth referenced to Marker Joint at 6722 FT
Adjusted -10 FT to correlate with Marker Joint
Gauge Ring/Junk Basket ran to 7789 FT with no debris
Set RBP at 6805 FT
Log ran from 6766 FT to Surface
Recorded with 2800 PSI Surface Induced Pressure
Logging tools were clean and free of debris upon completion of operations

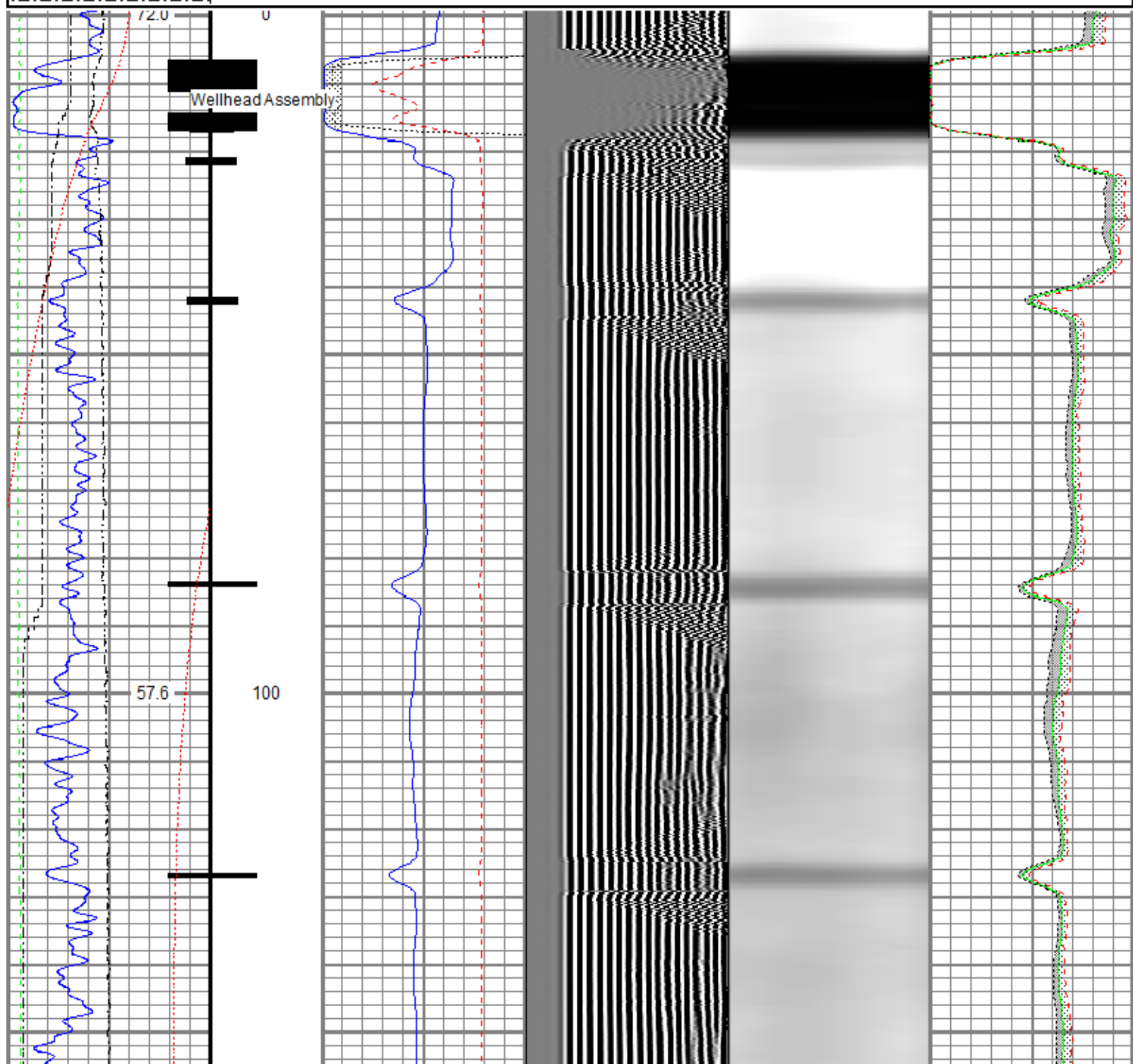
Thank you for choosing Reliance Oilfield Services, LLC!!

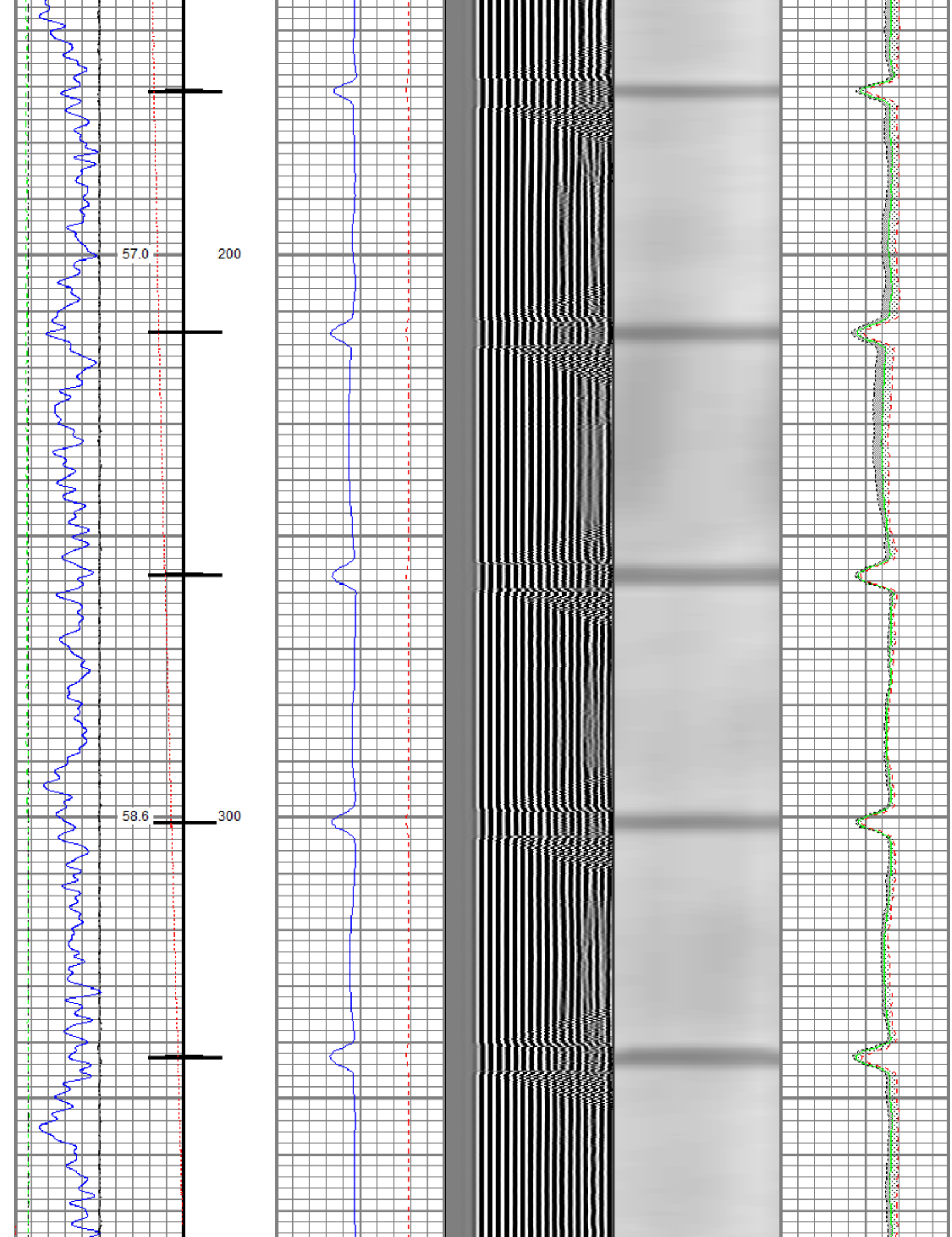
Main Pass

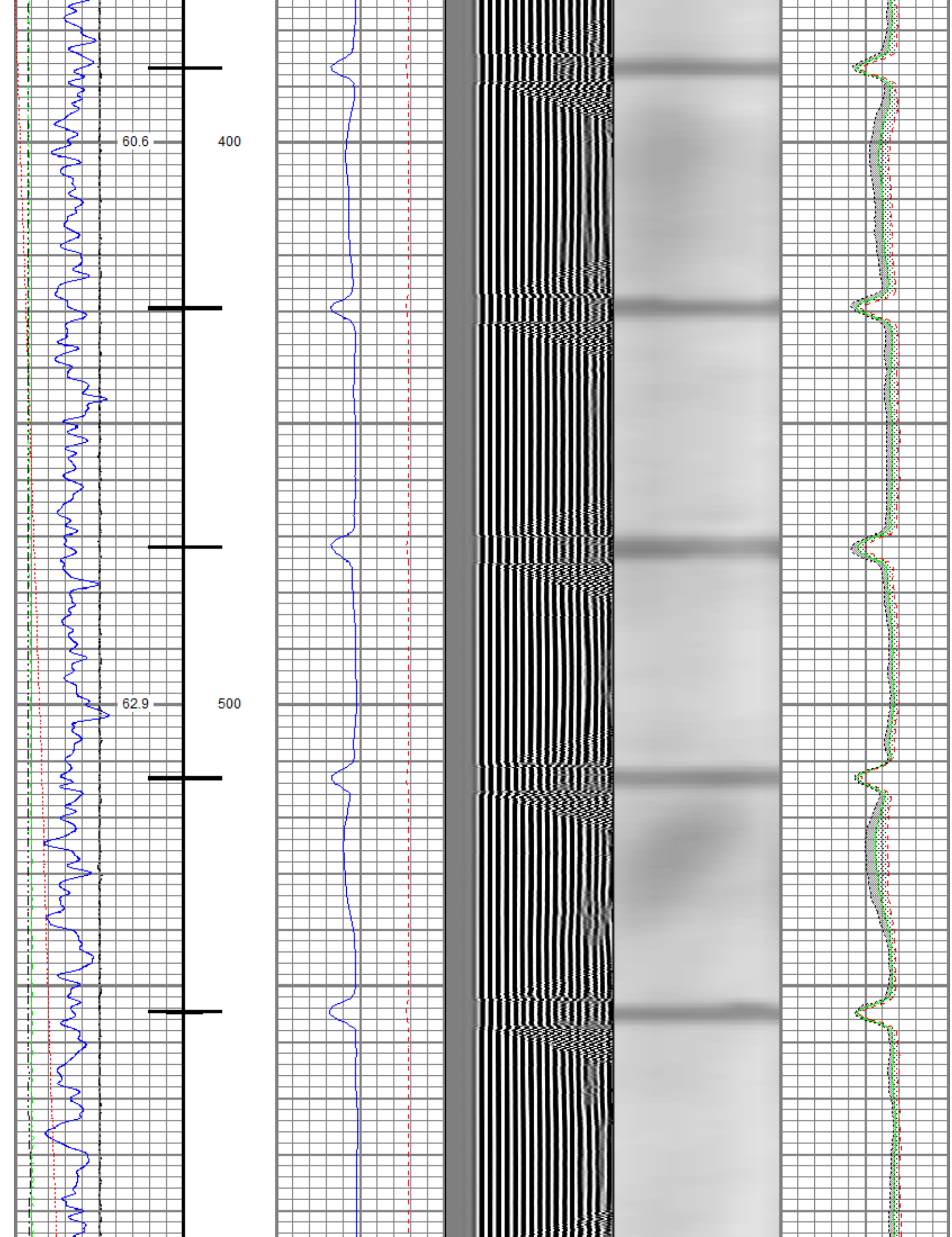


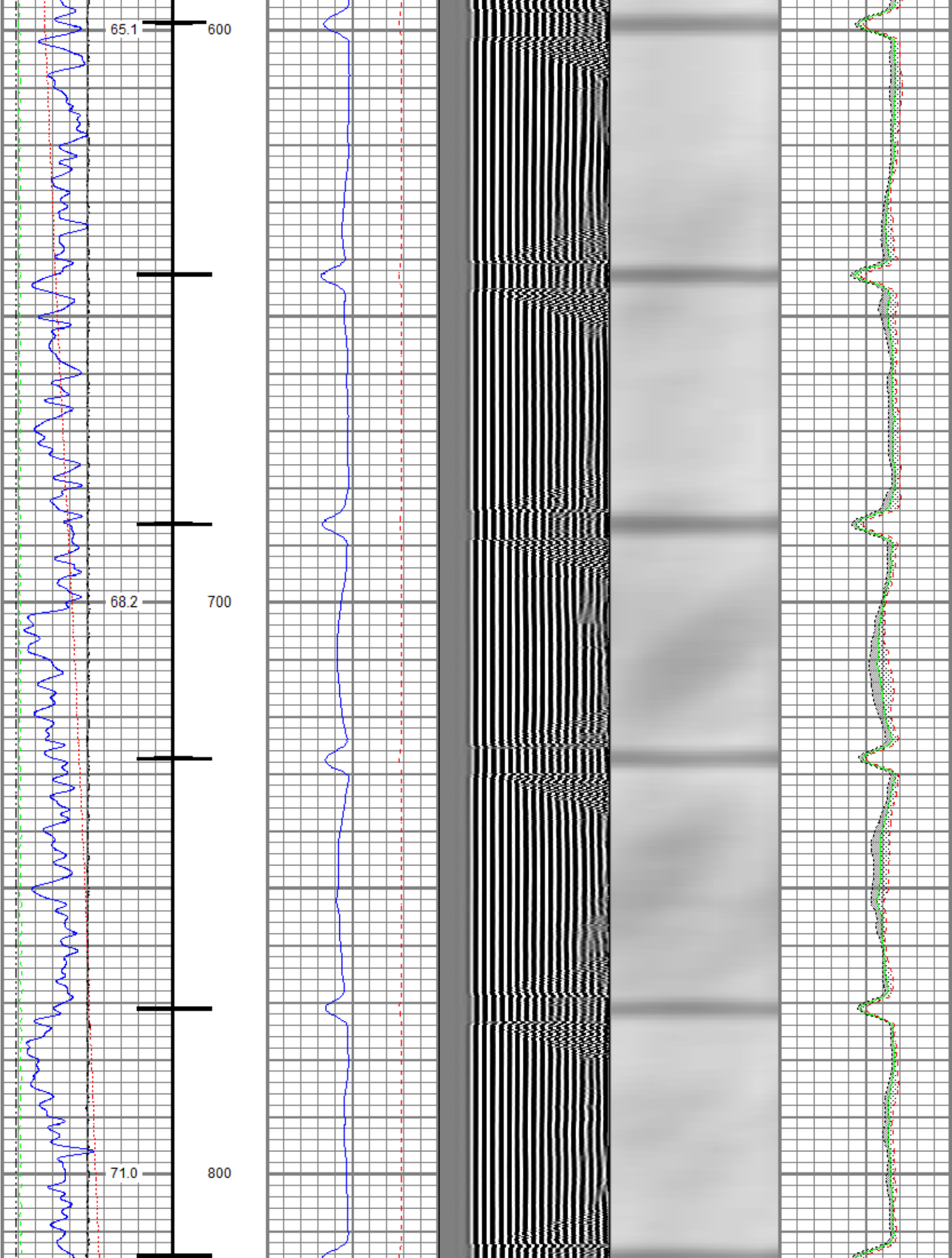
Database File anadarko\verde 13-10hz\0512346254_anadarko_verde 13-10hz_rbl_06-18-18_2800 psi.db
 Dataset Pathname pass4
 Presentation Format ros_radrii
 Dataset Creation Mon Jun 18 12:35:17 2018
 Charted by Depth in Feet scaled 1:240

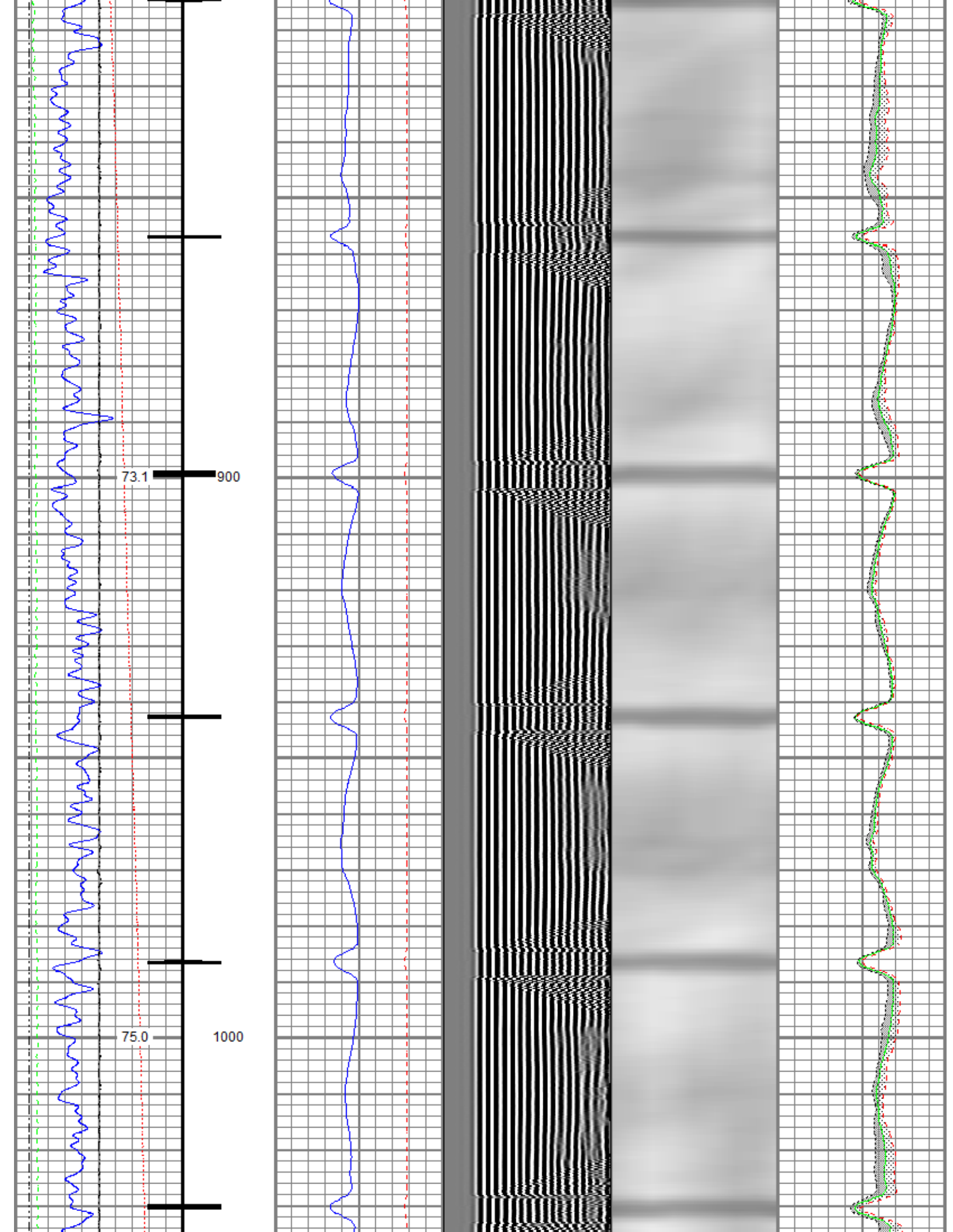
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200 (usec) 1200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min)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

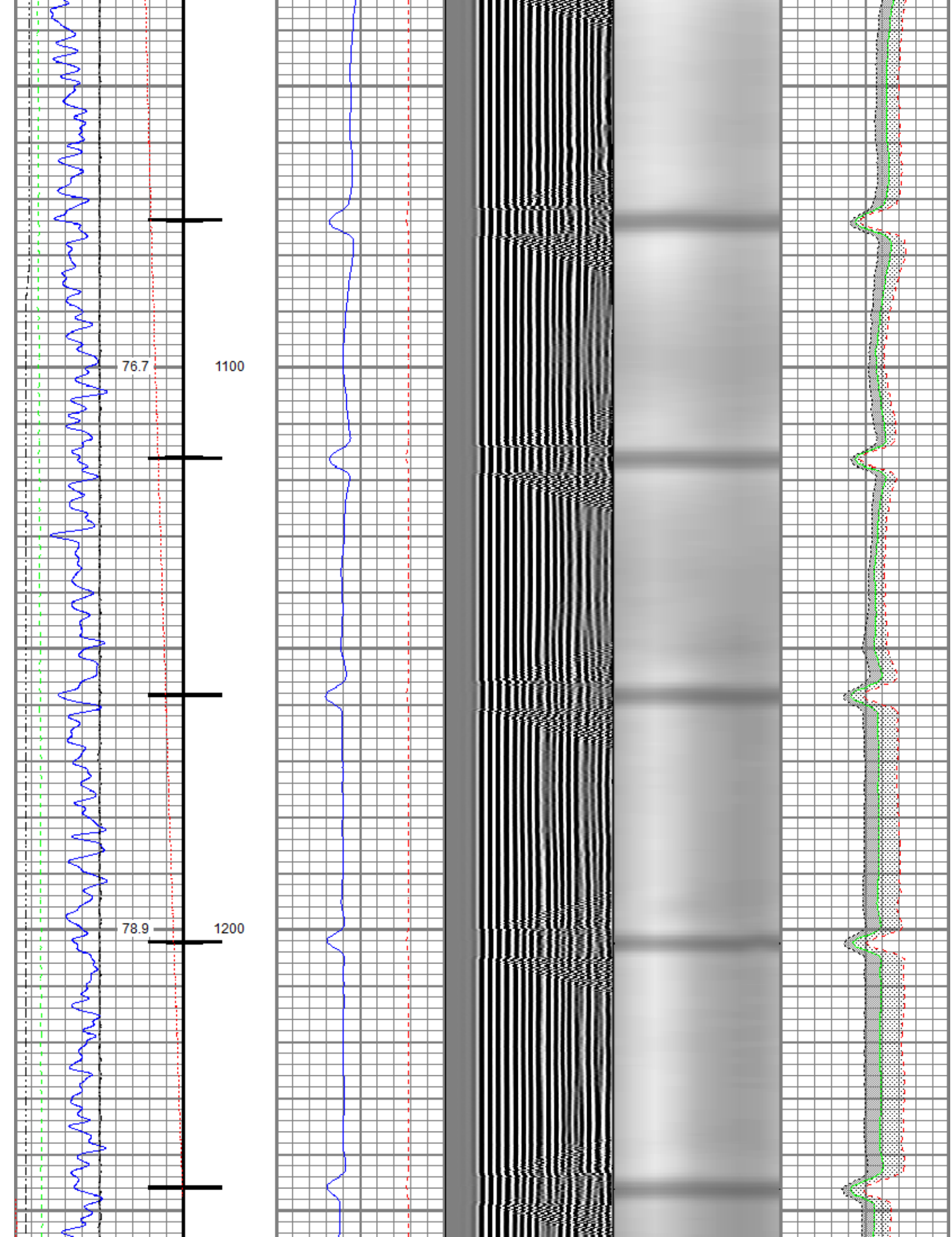


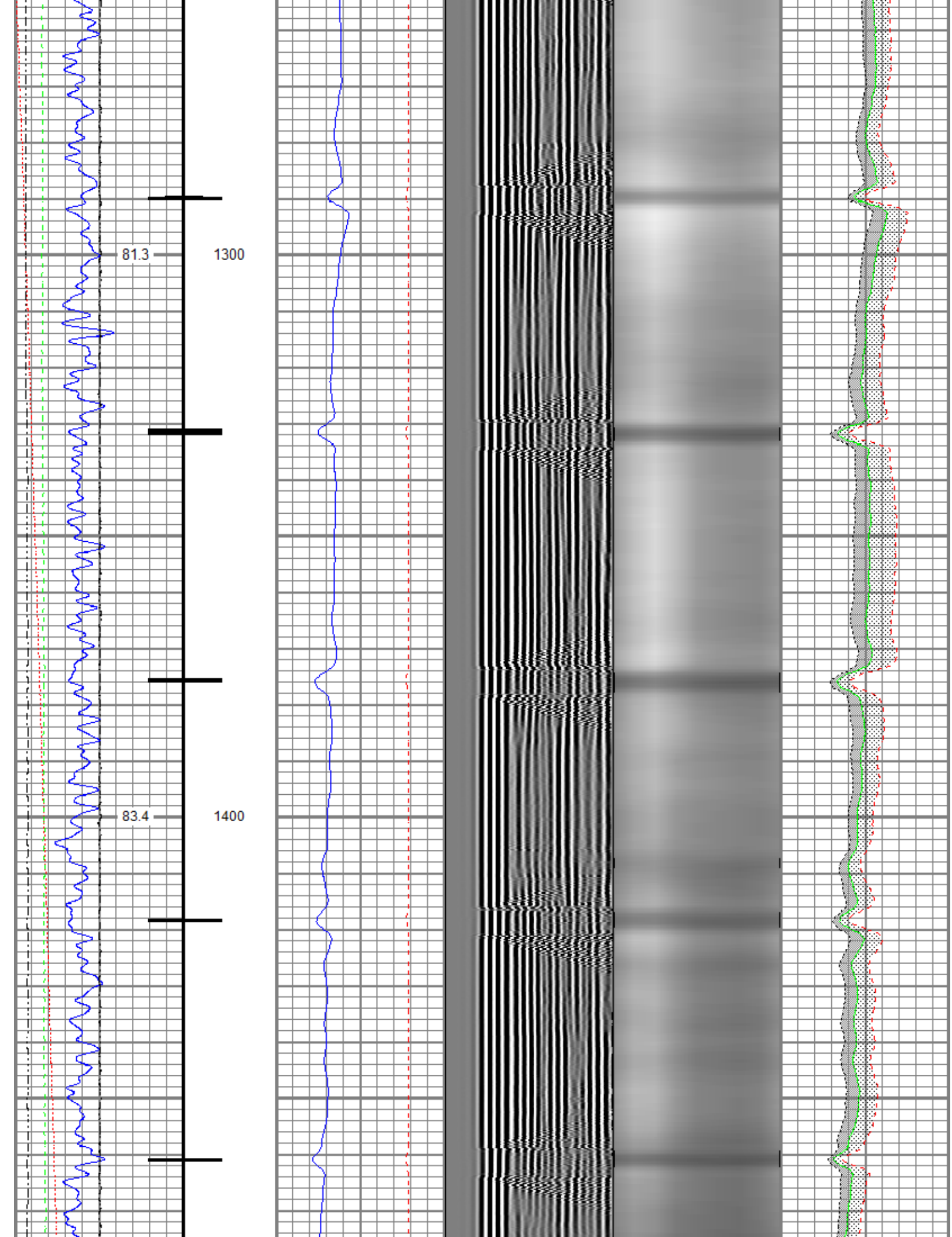


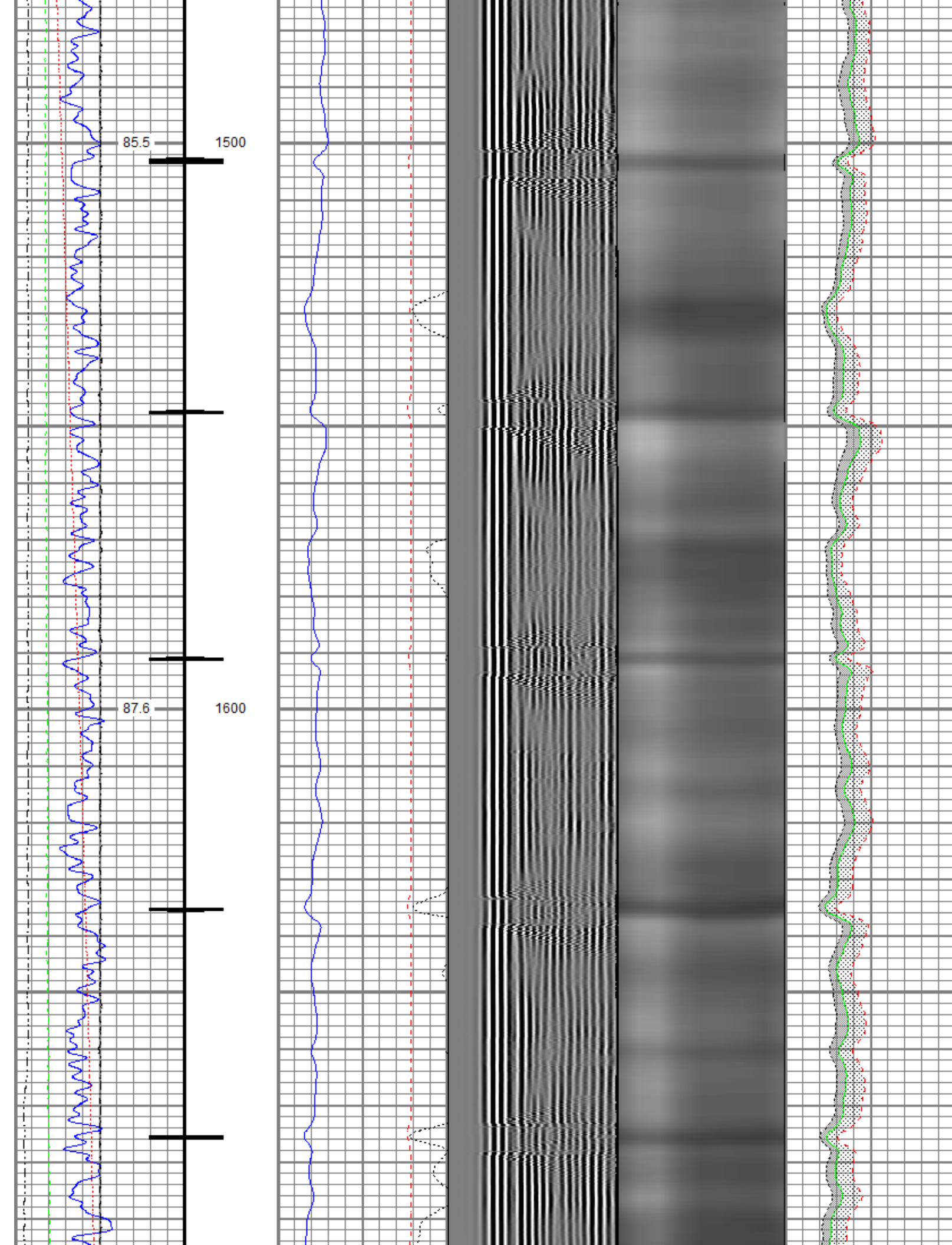


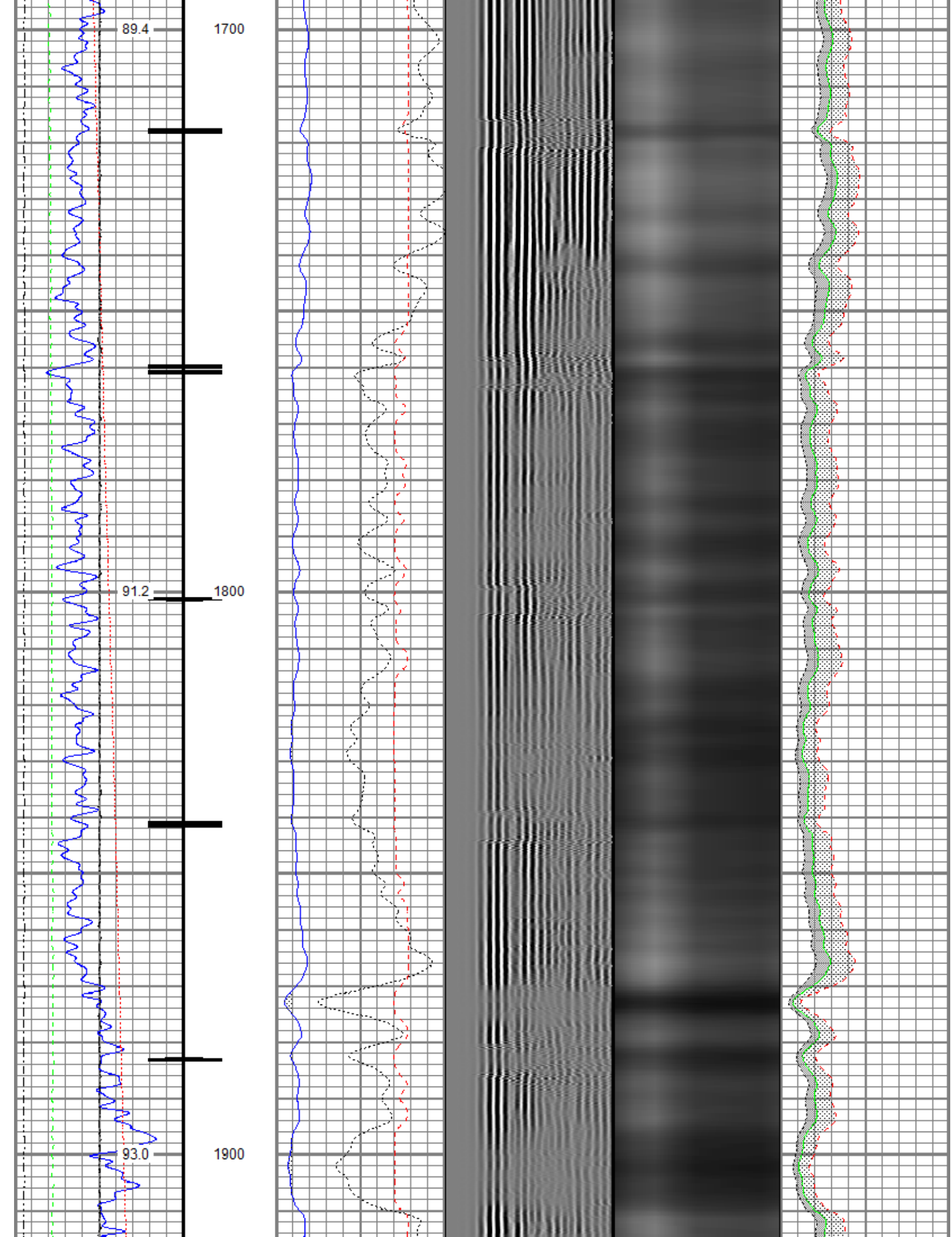


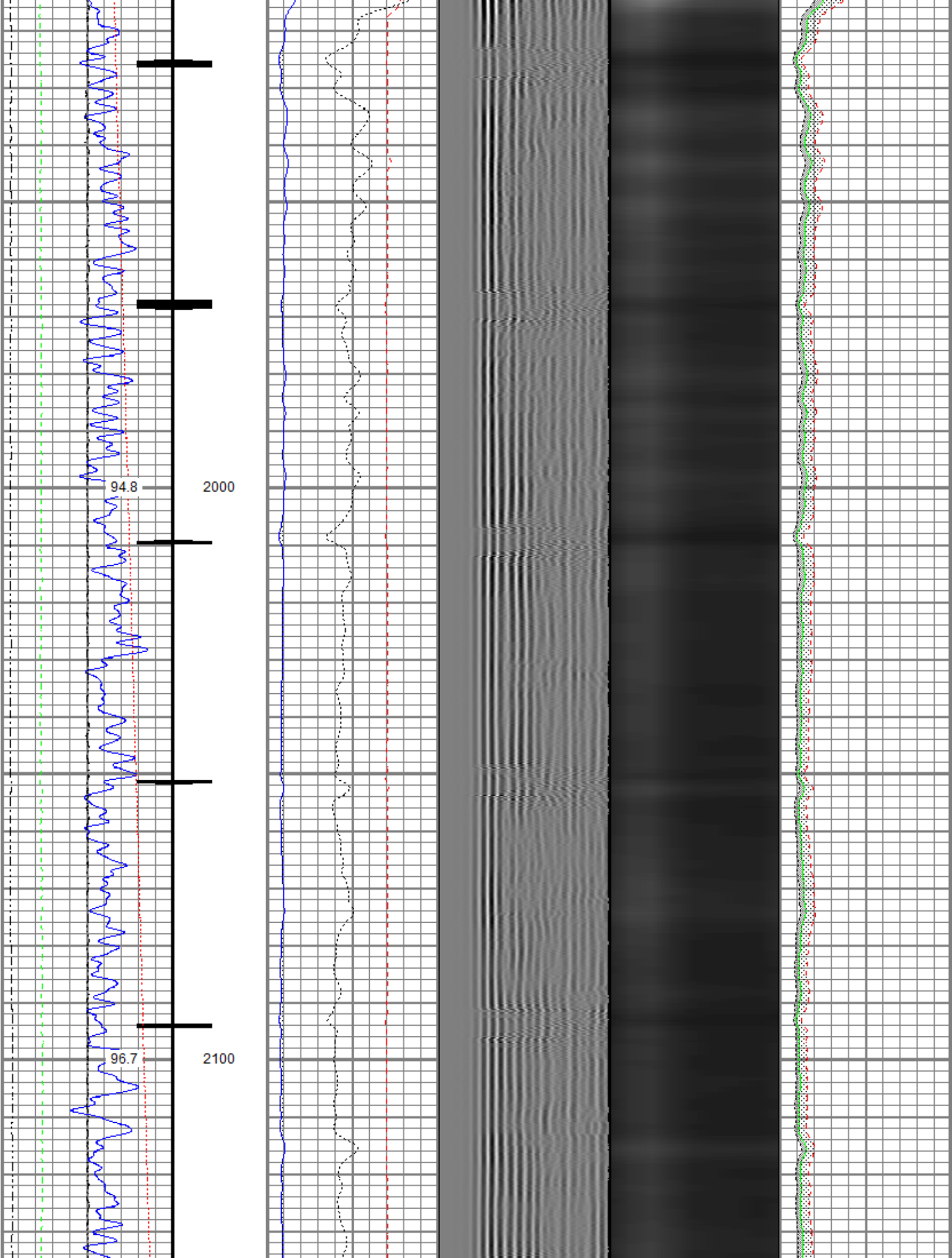


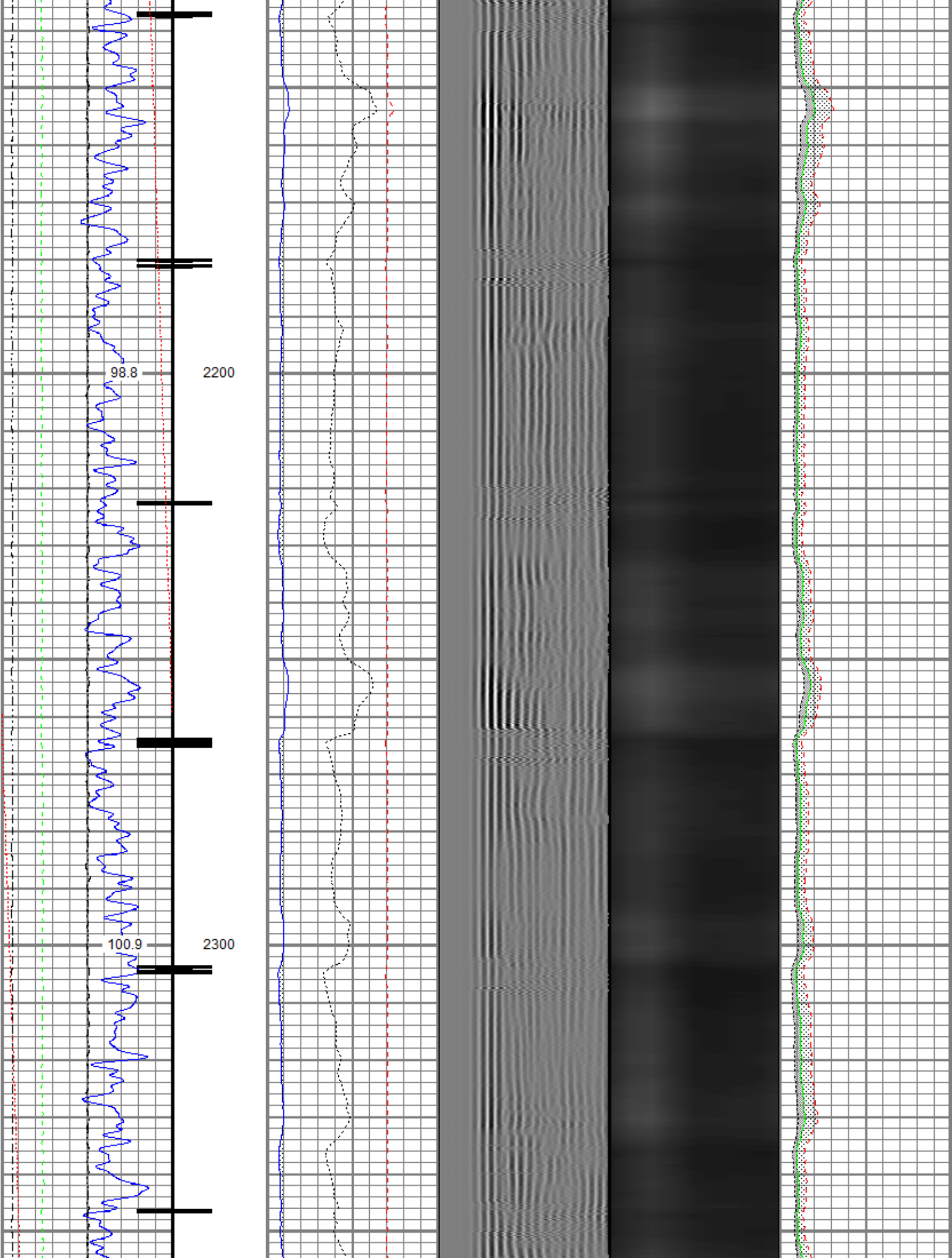


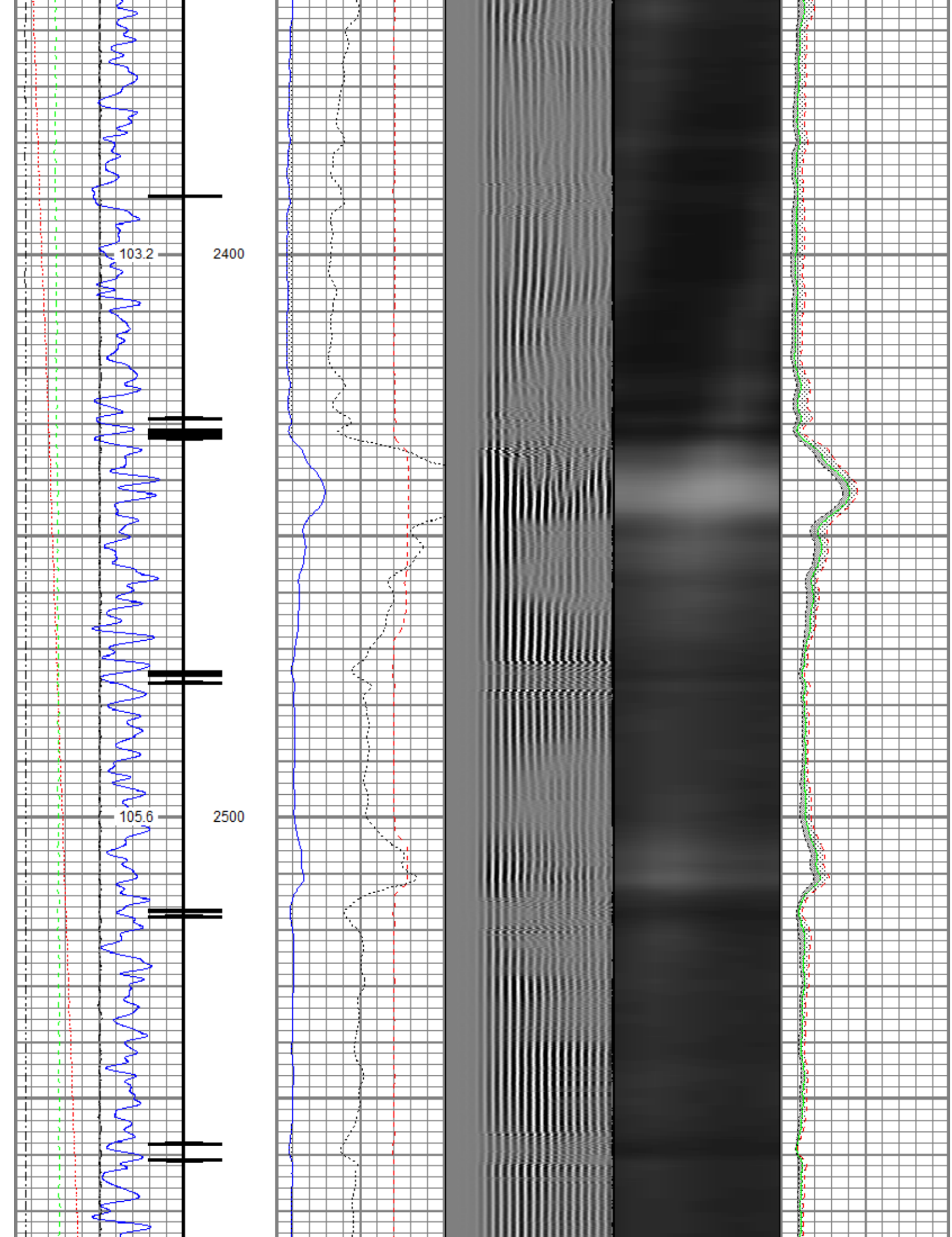


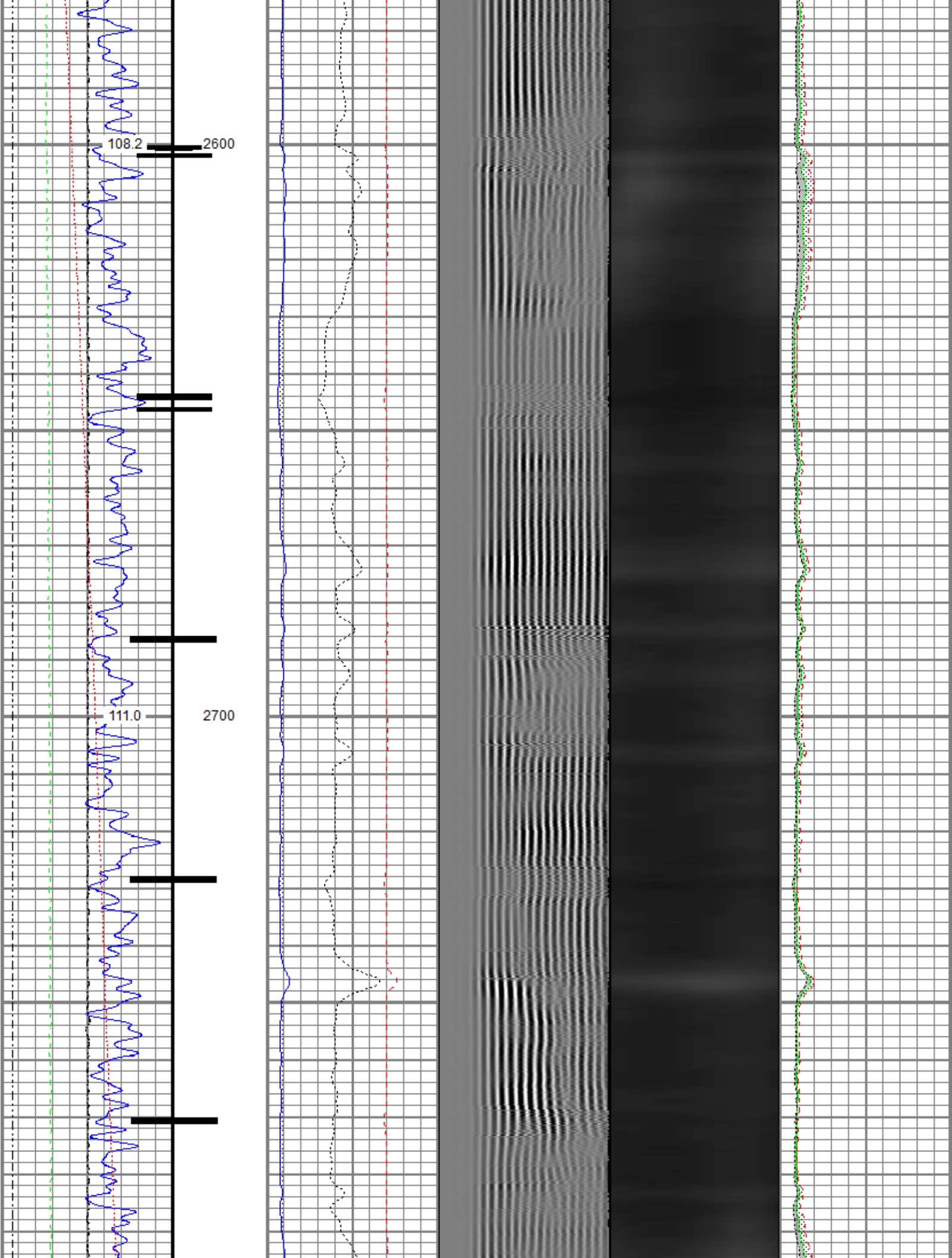


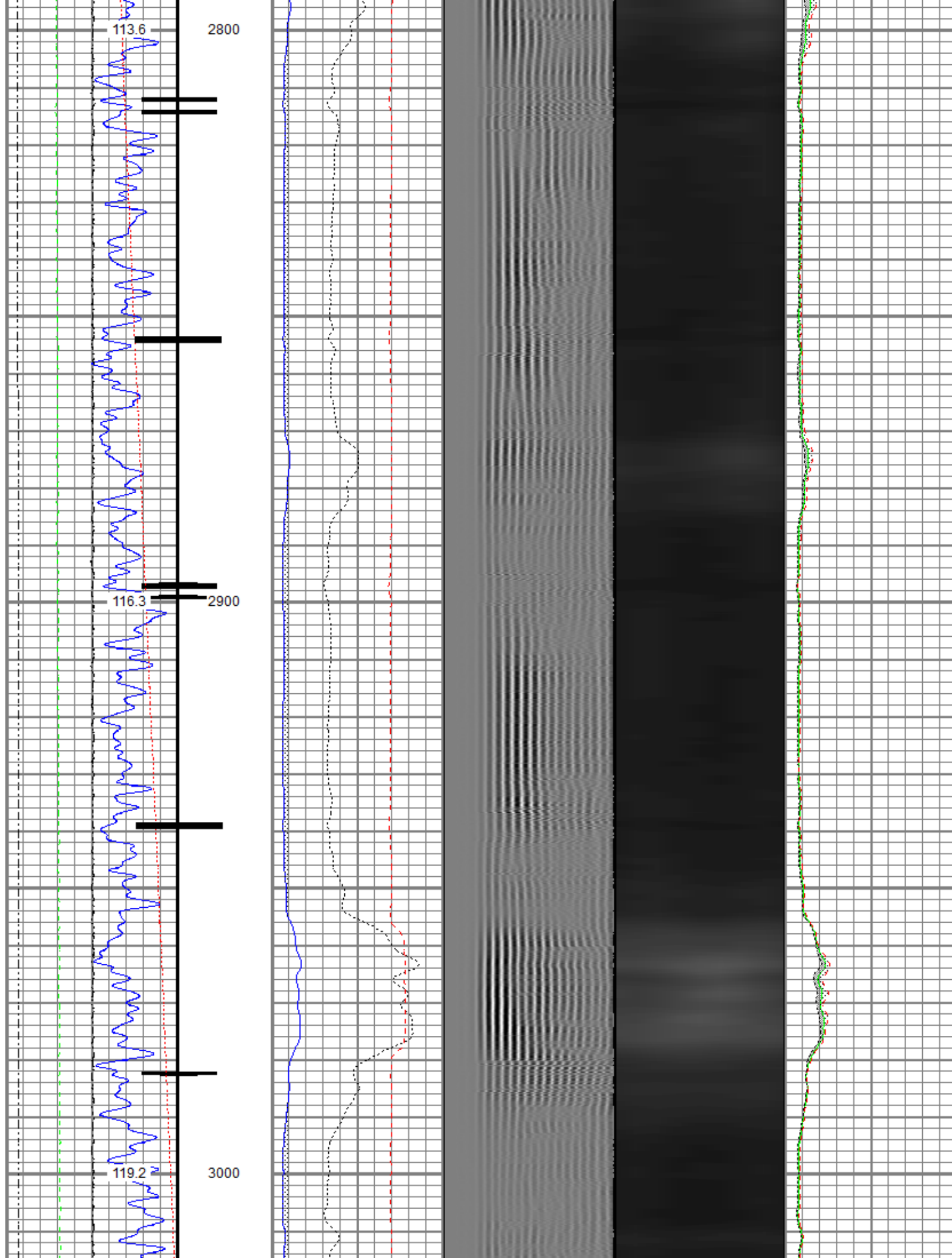


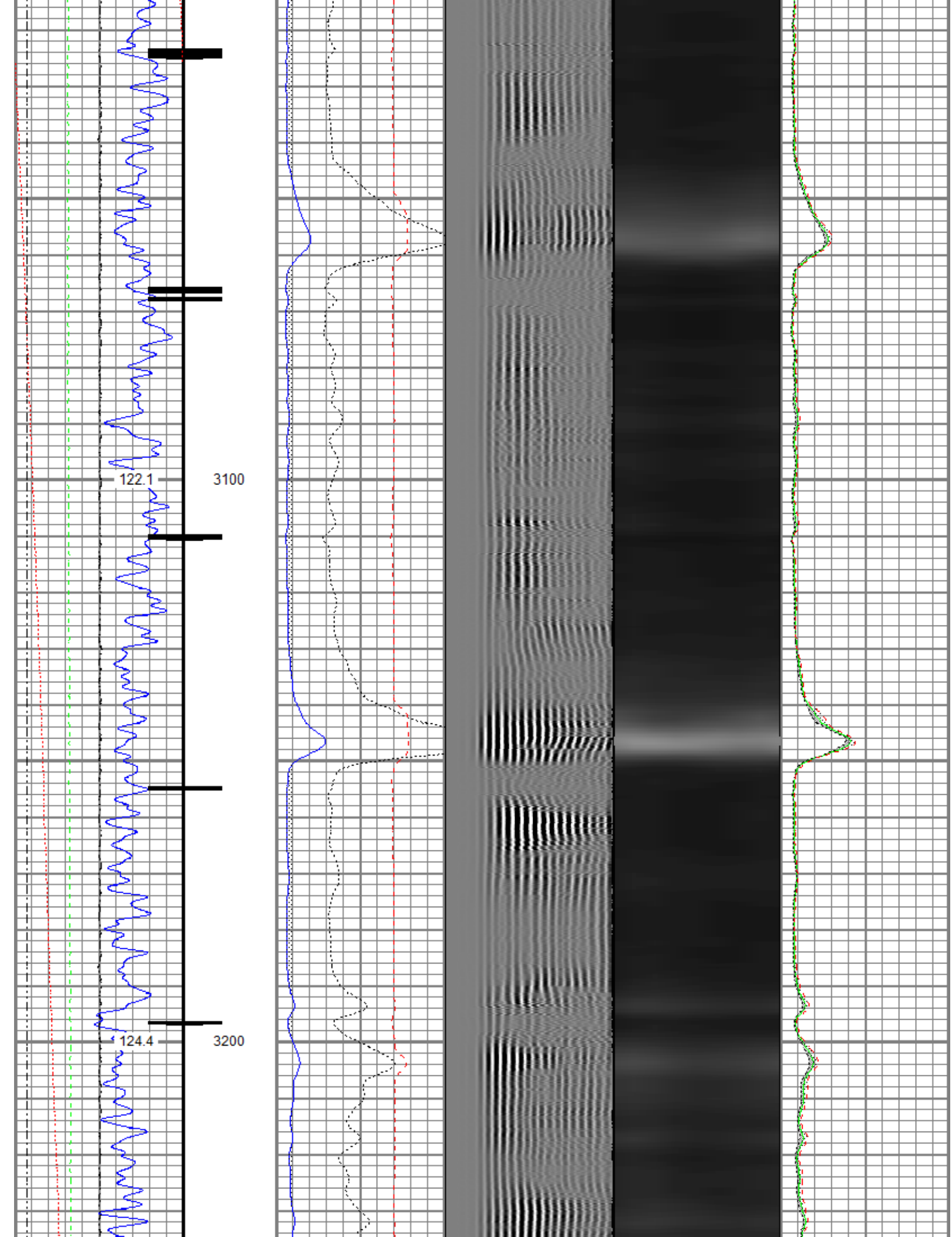


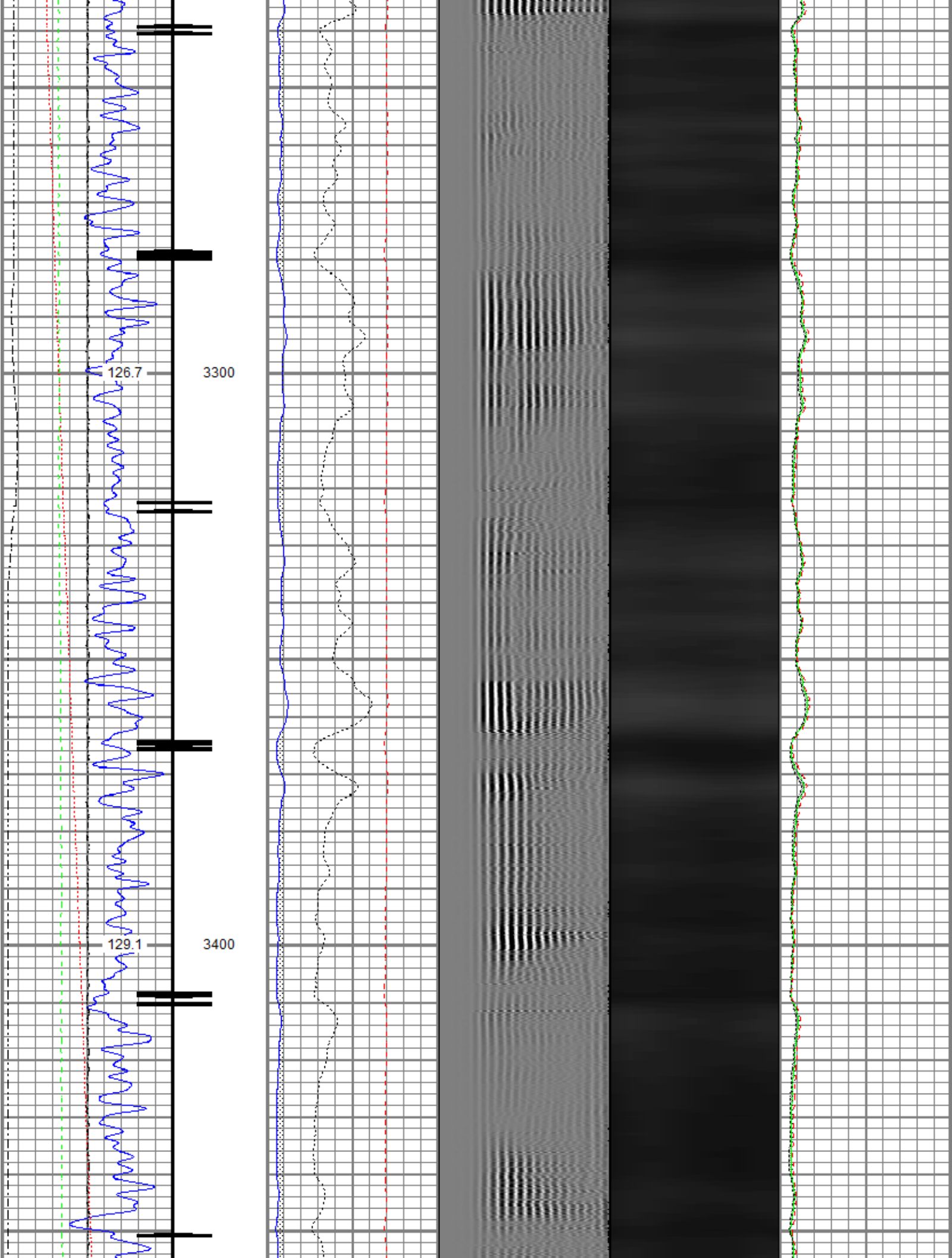


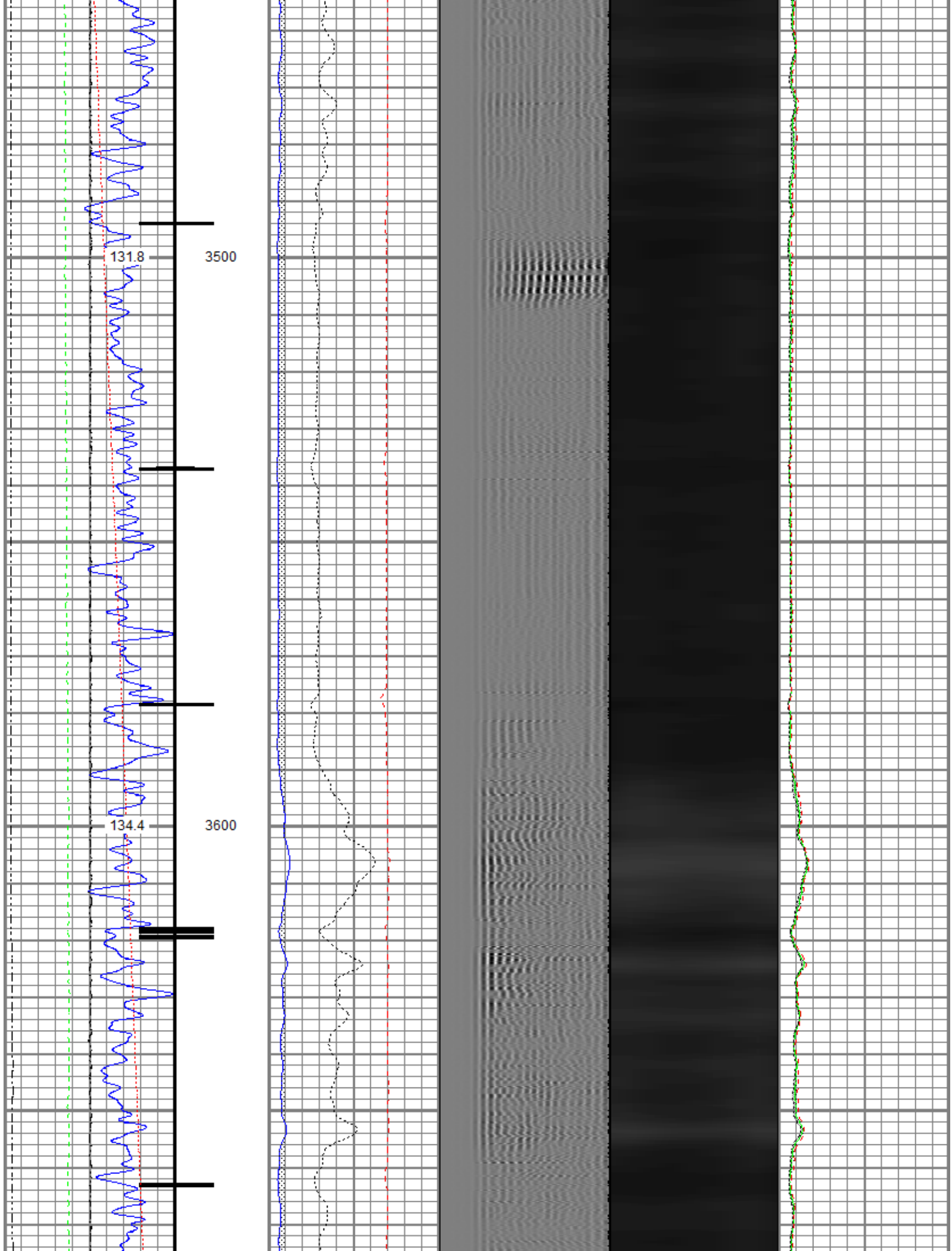


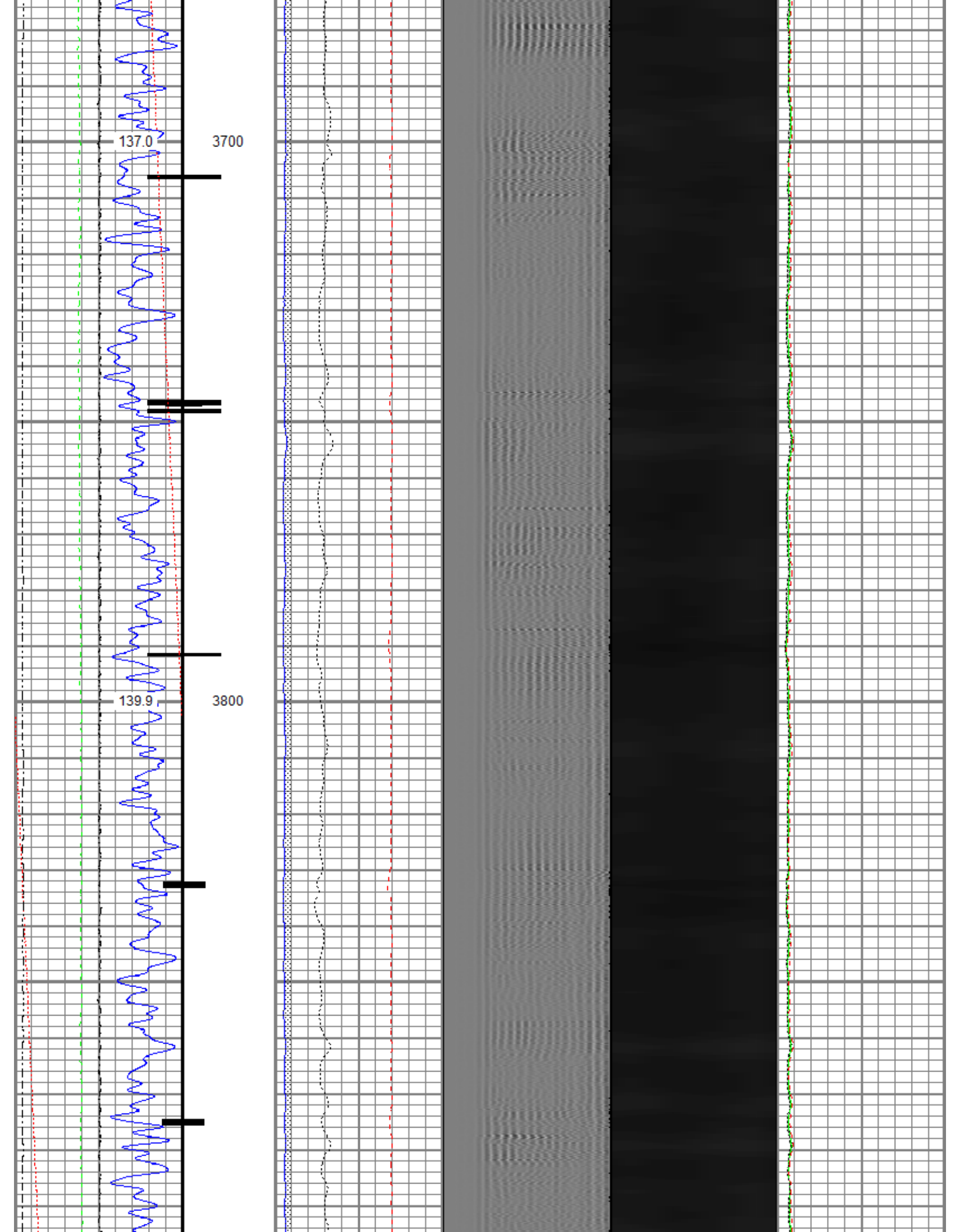


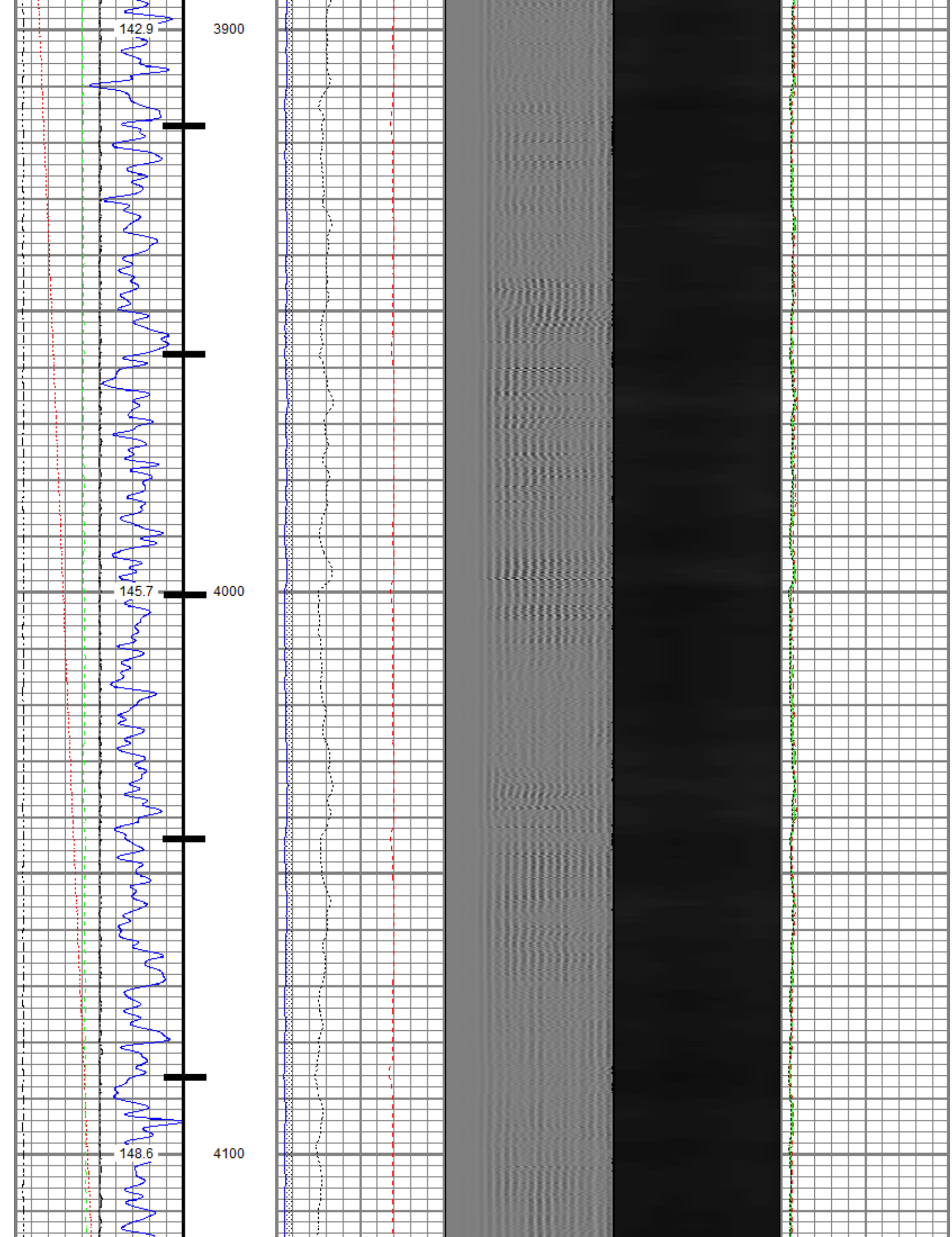


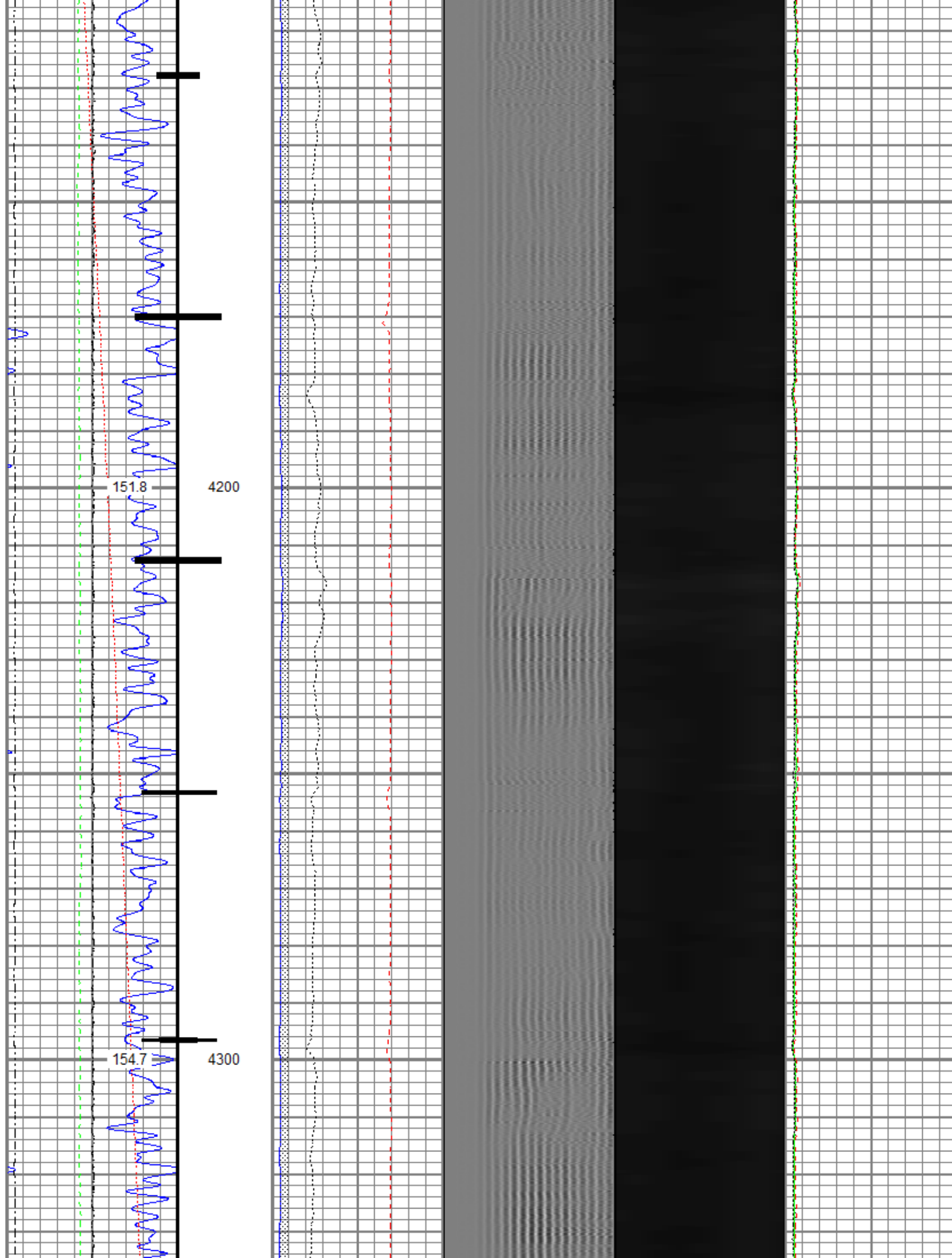


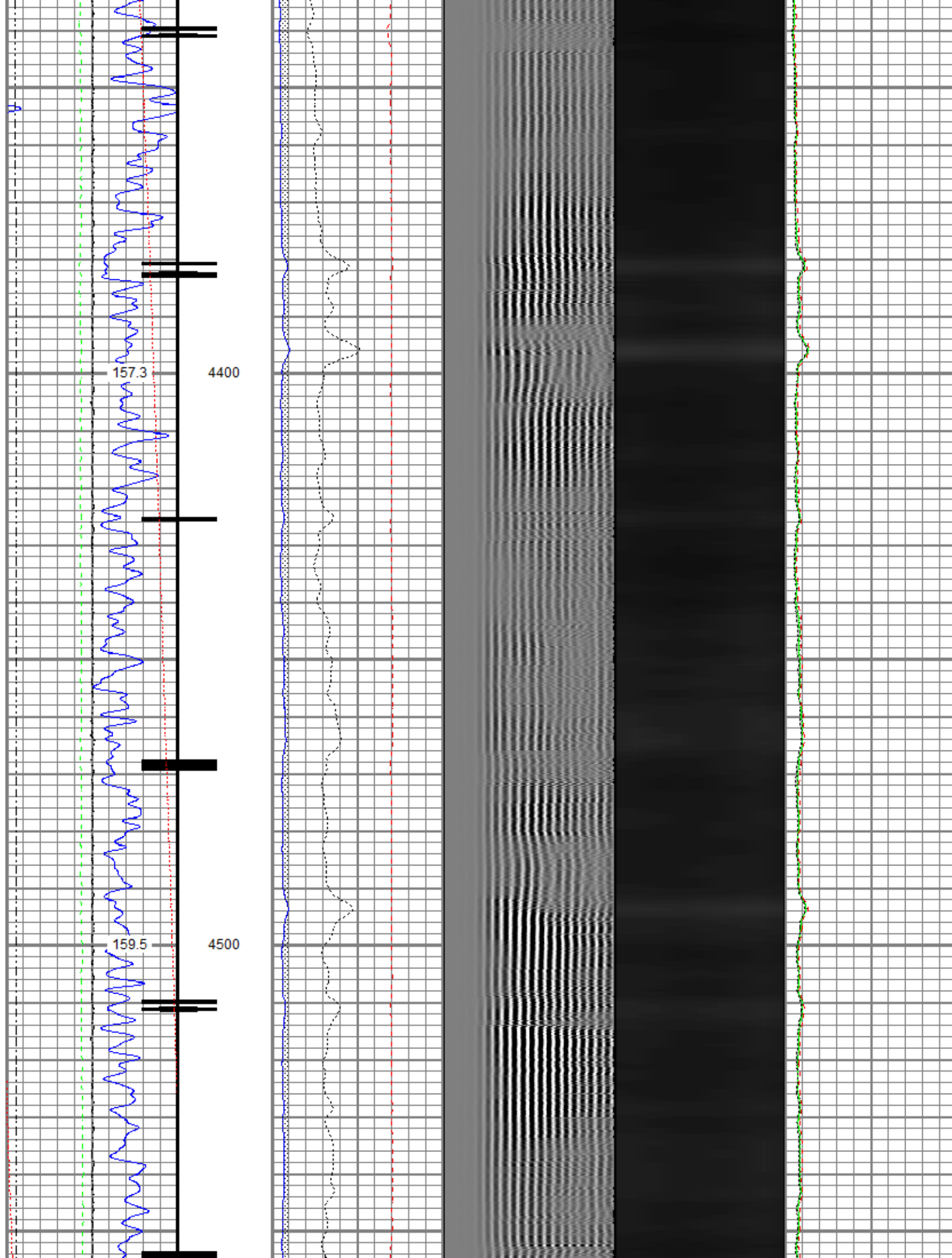


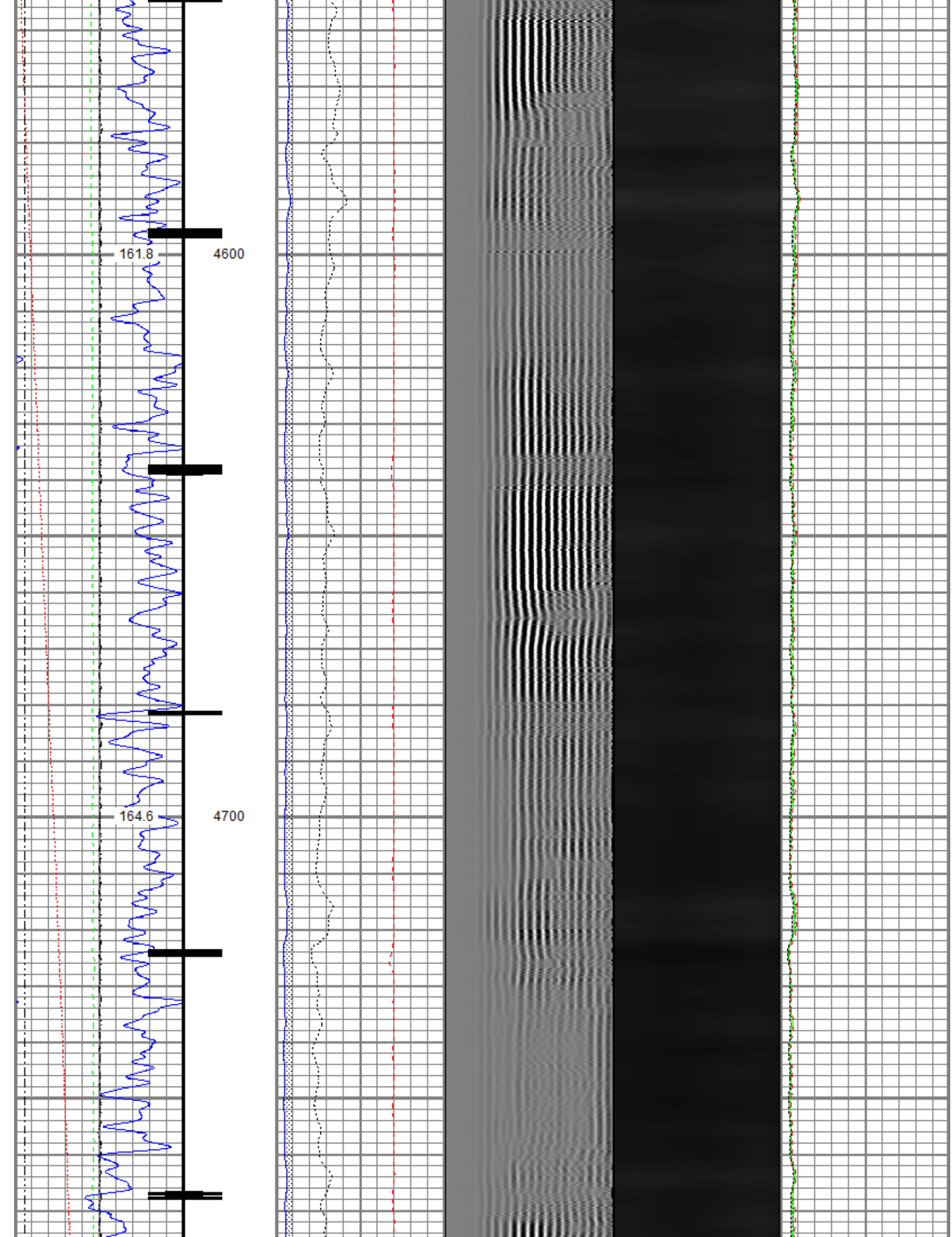


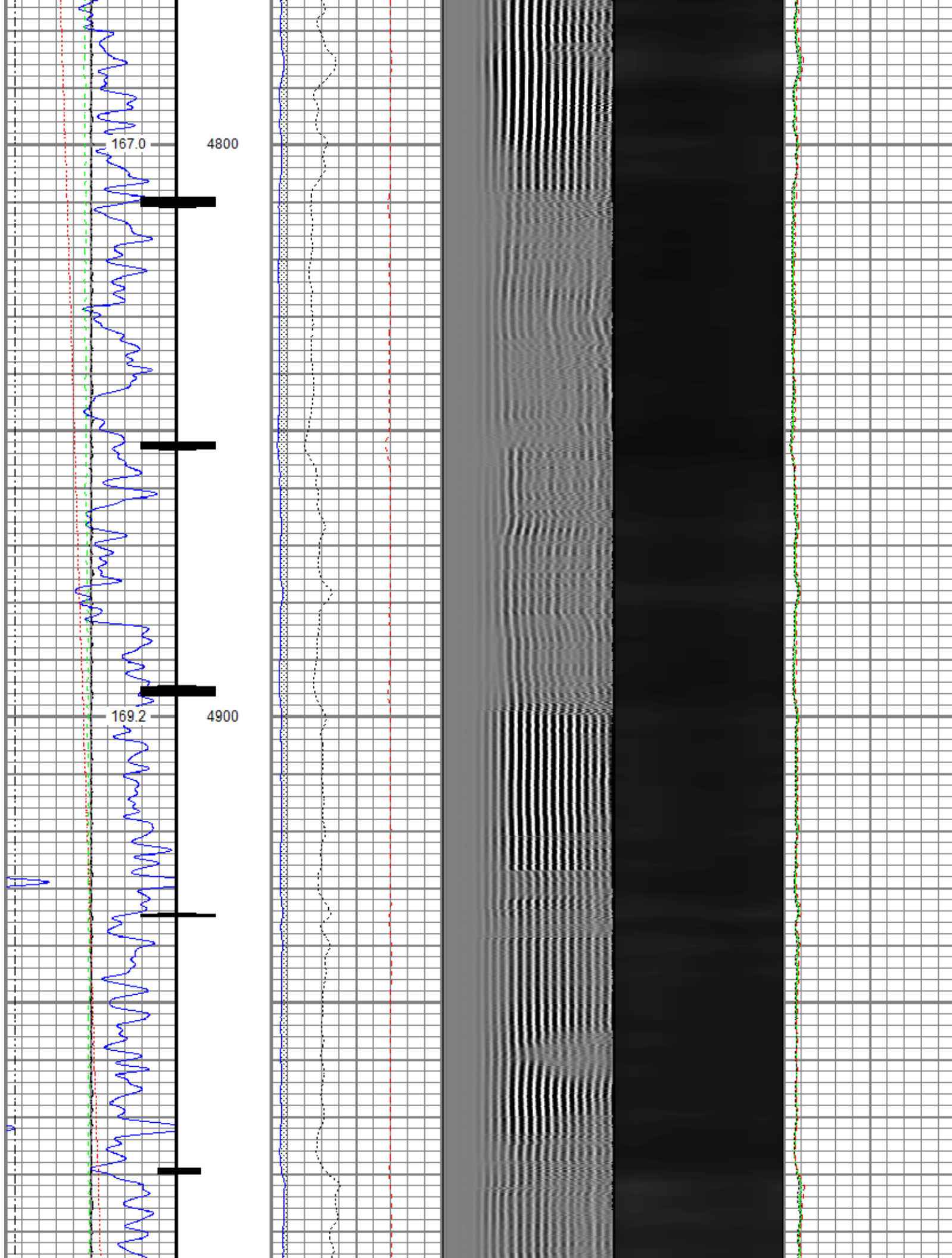


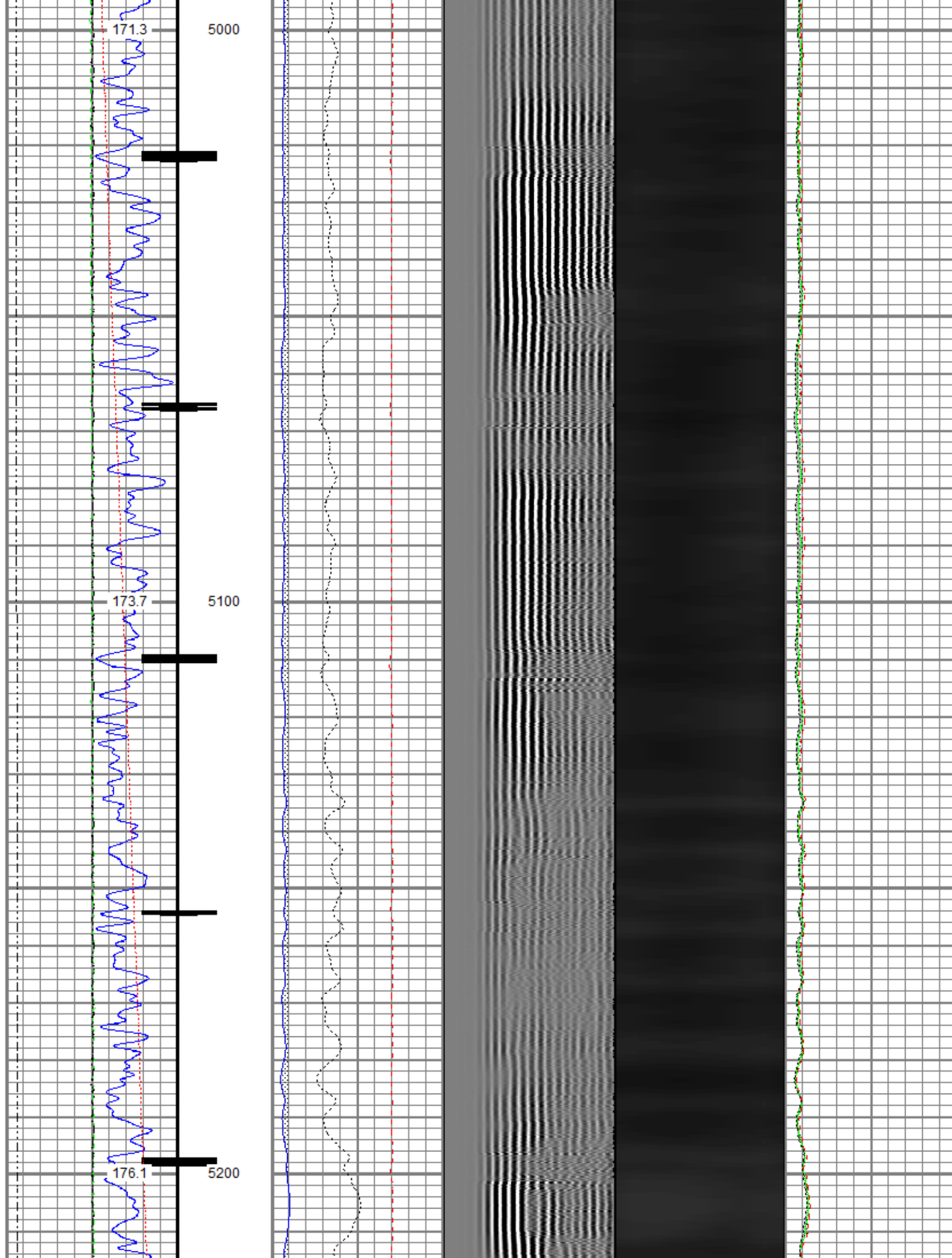


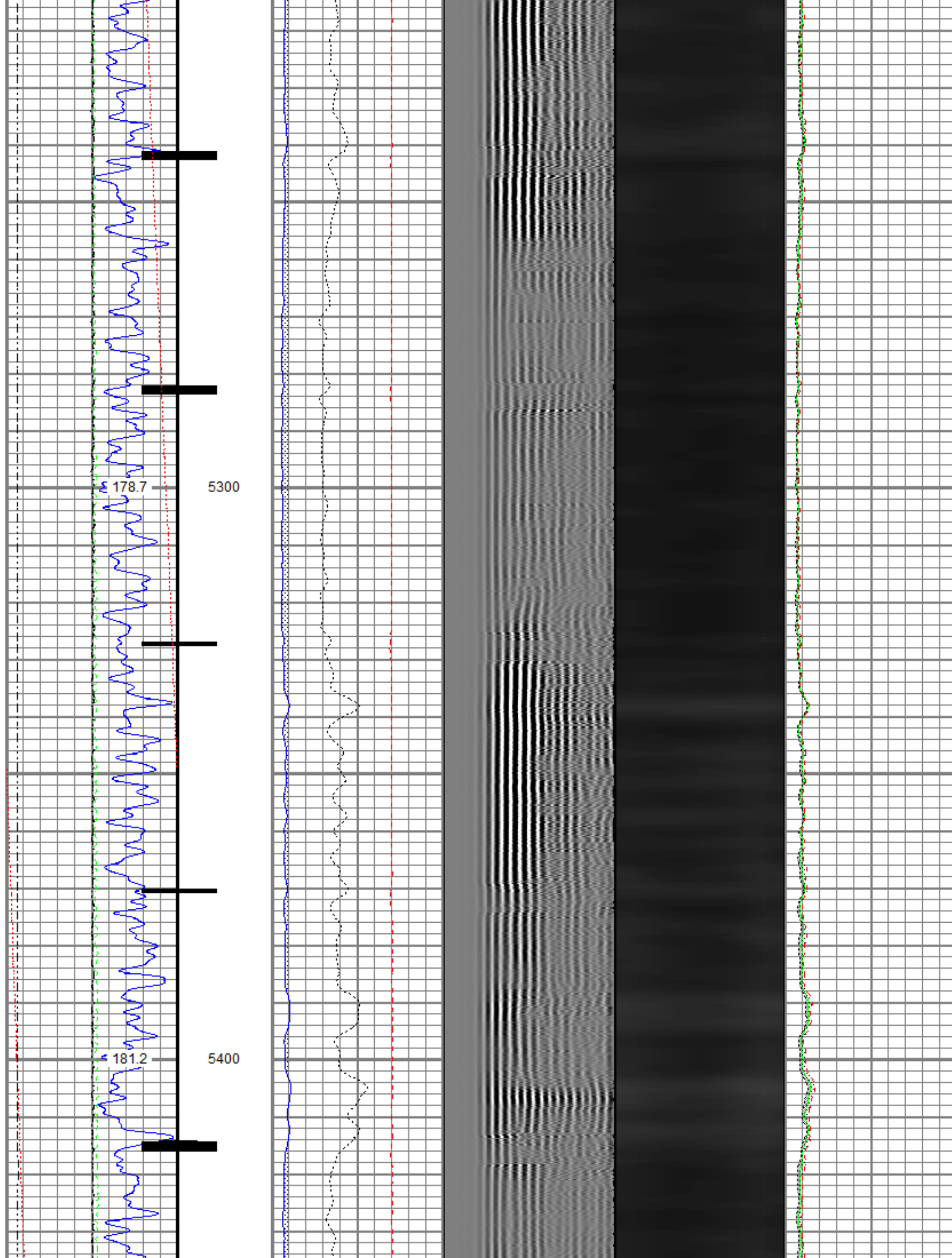


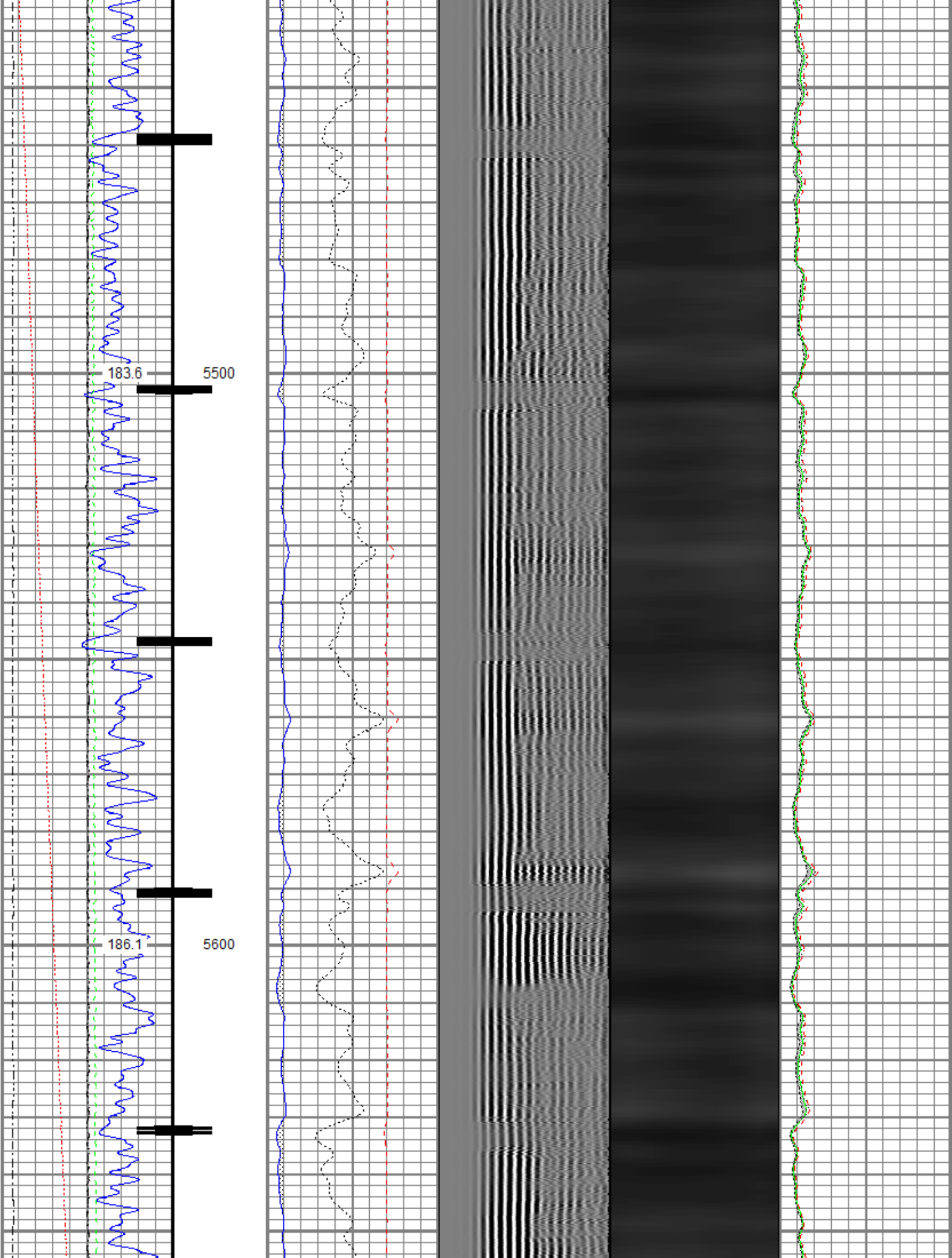


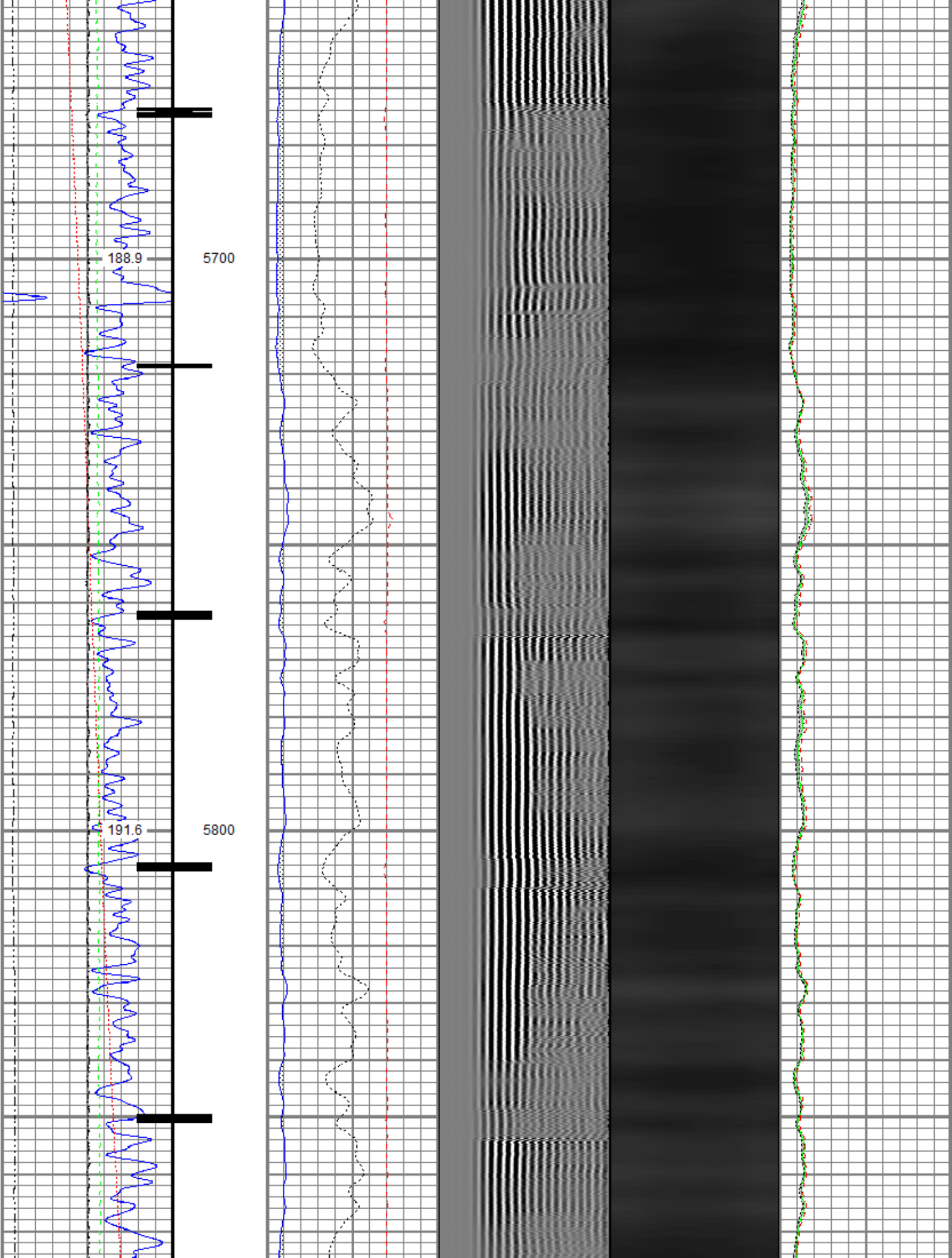


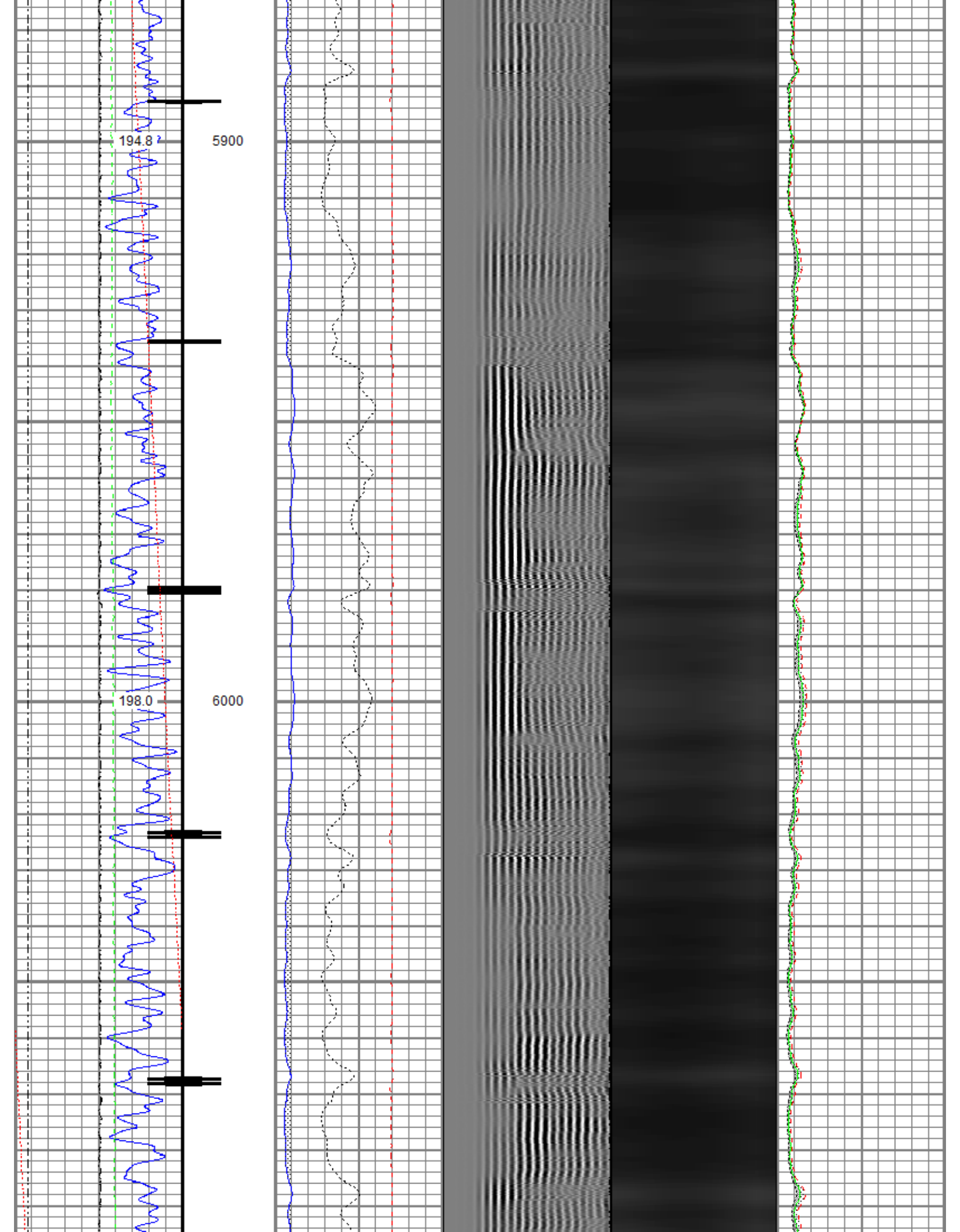


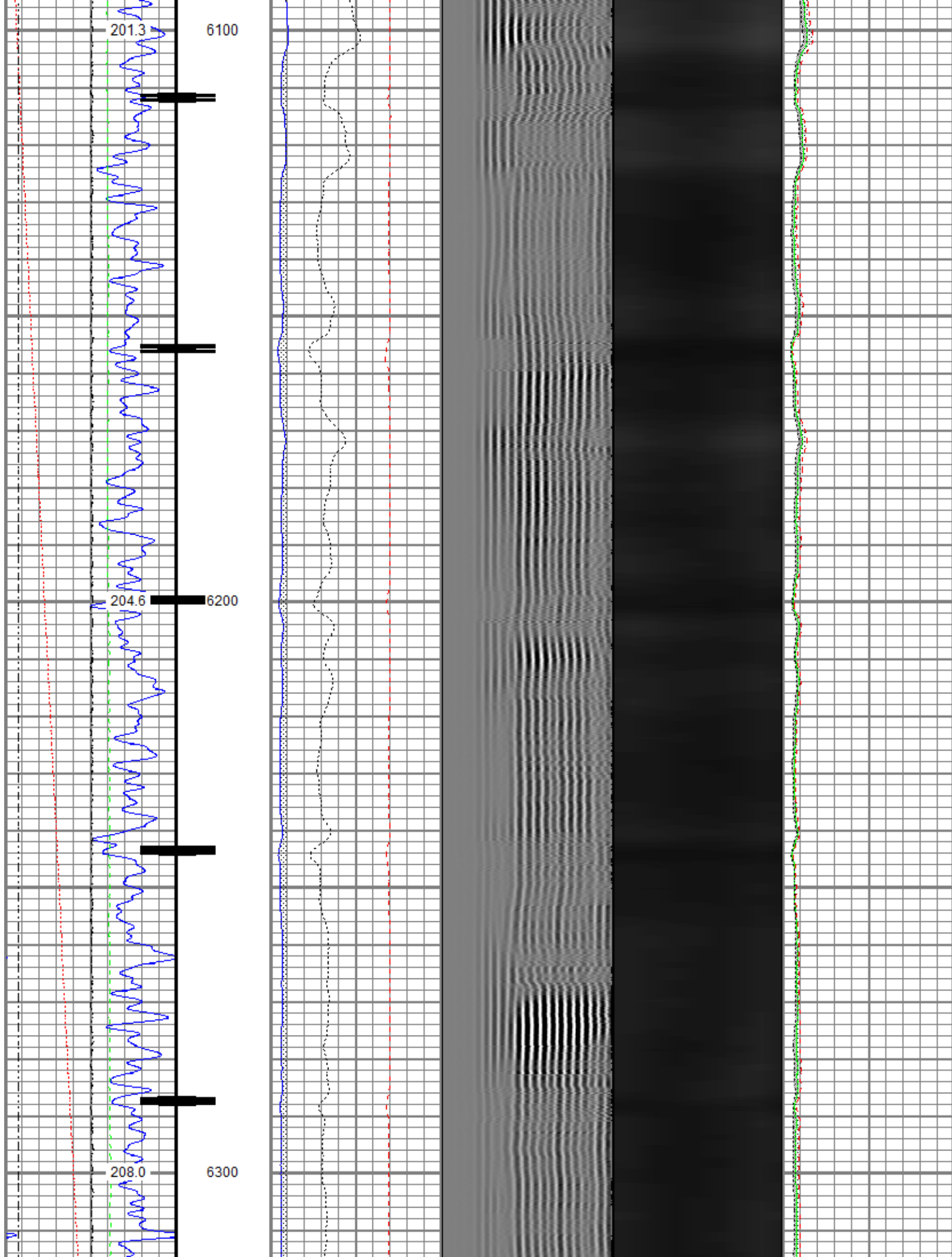


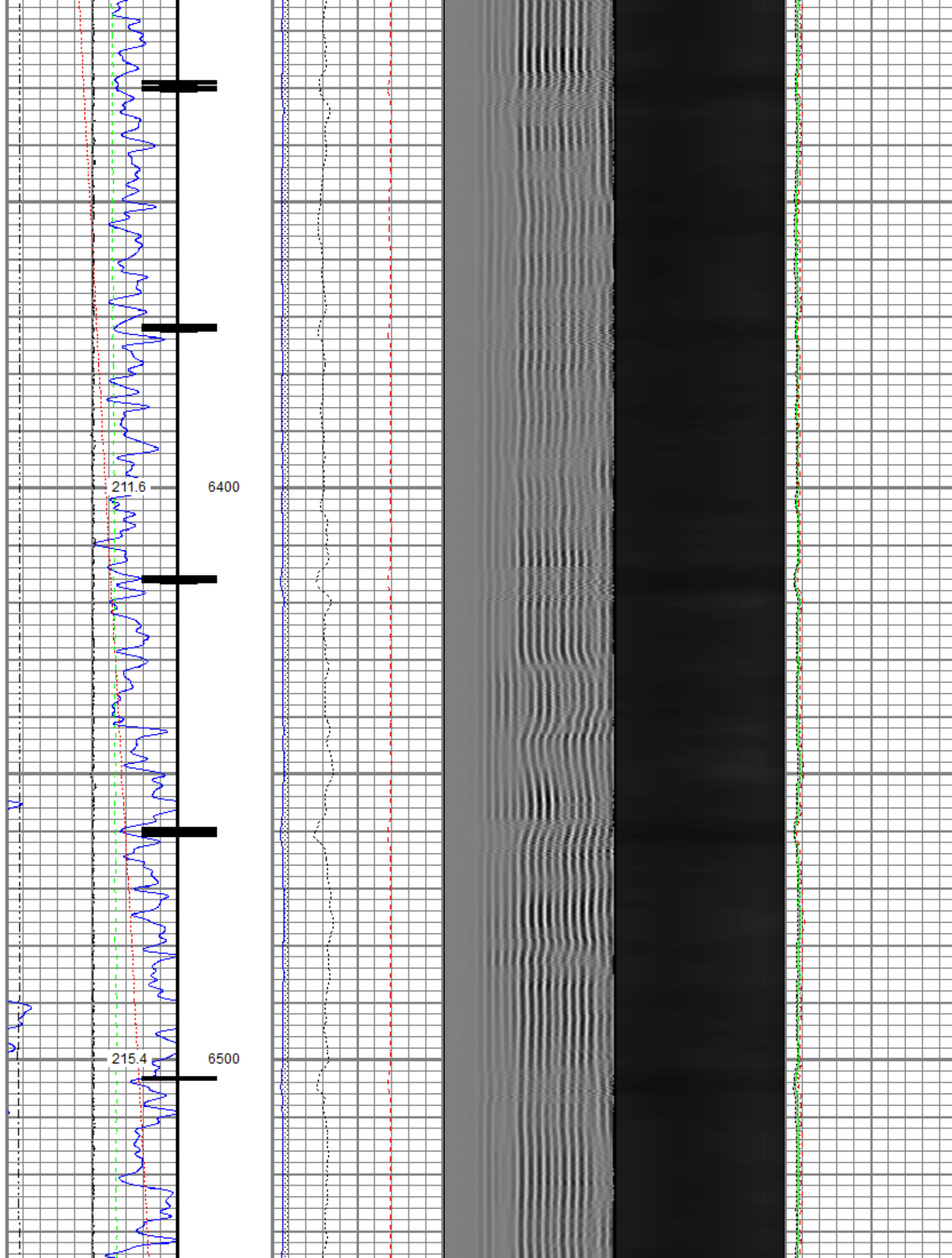


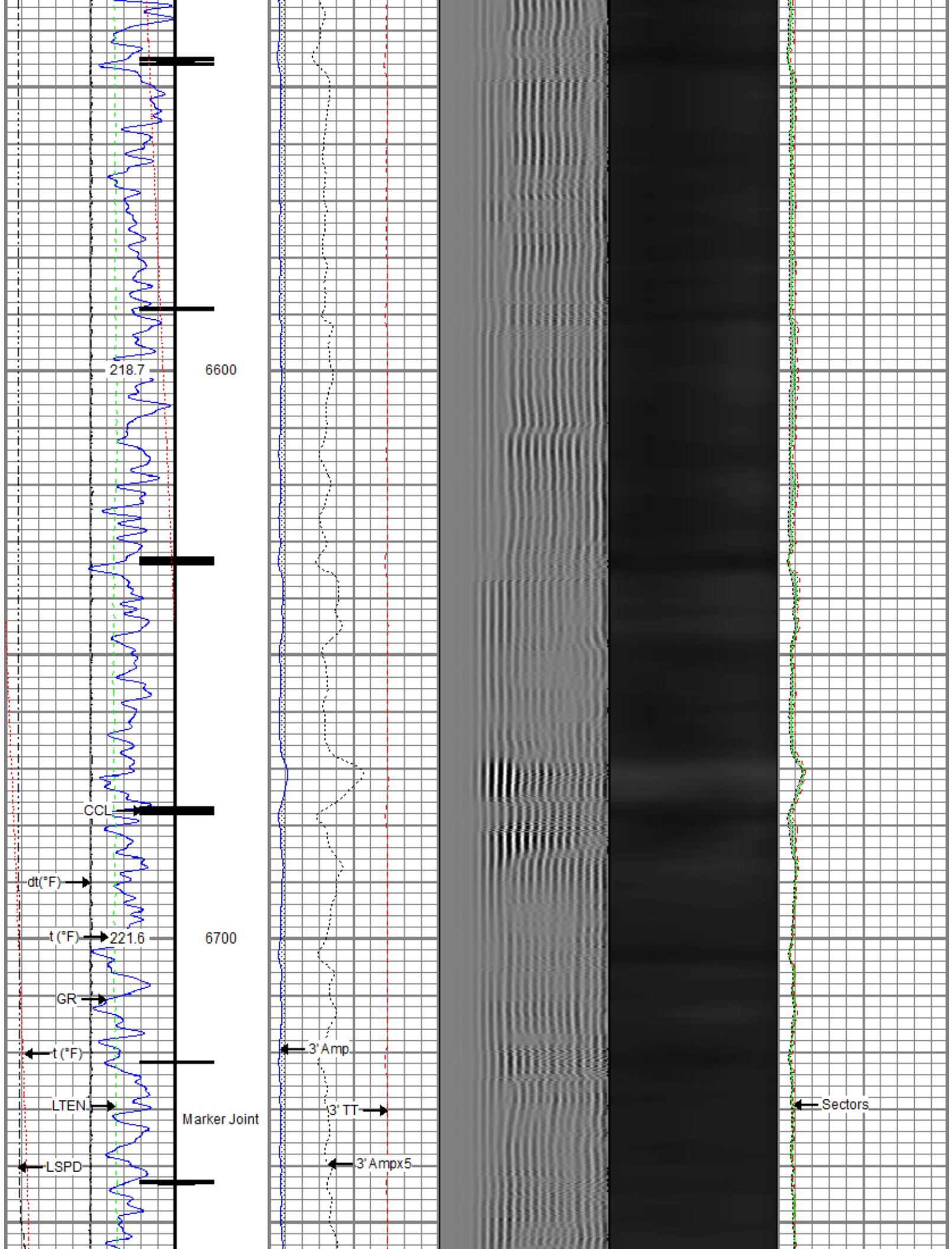


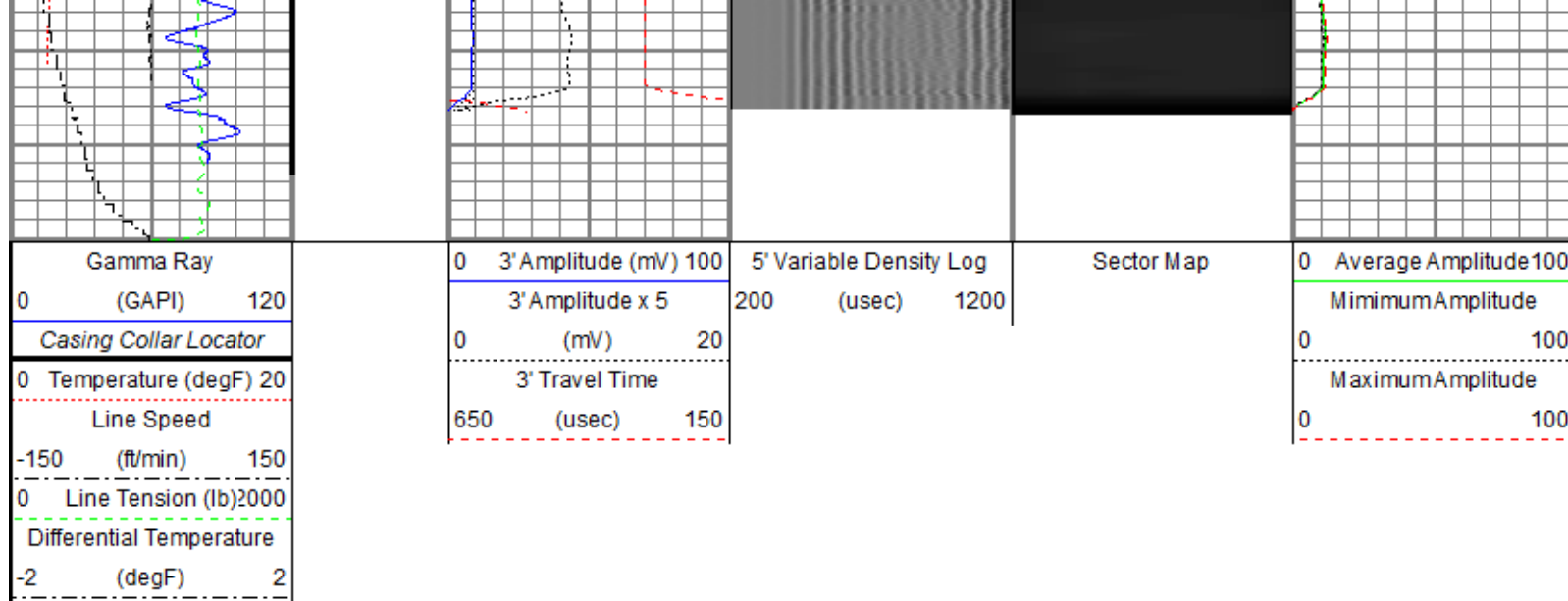








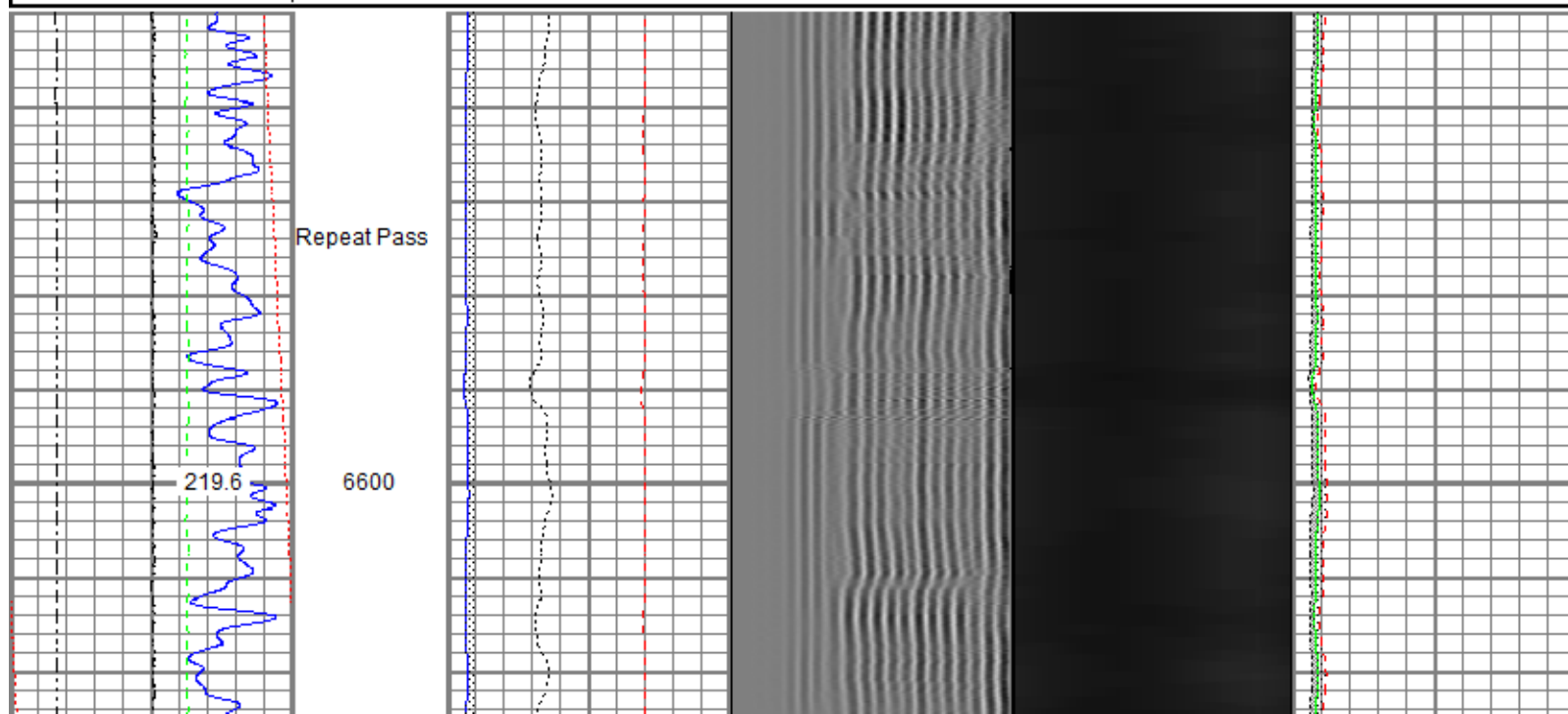
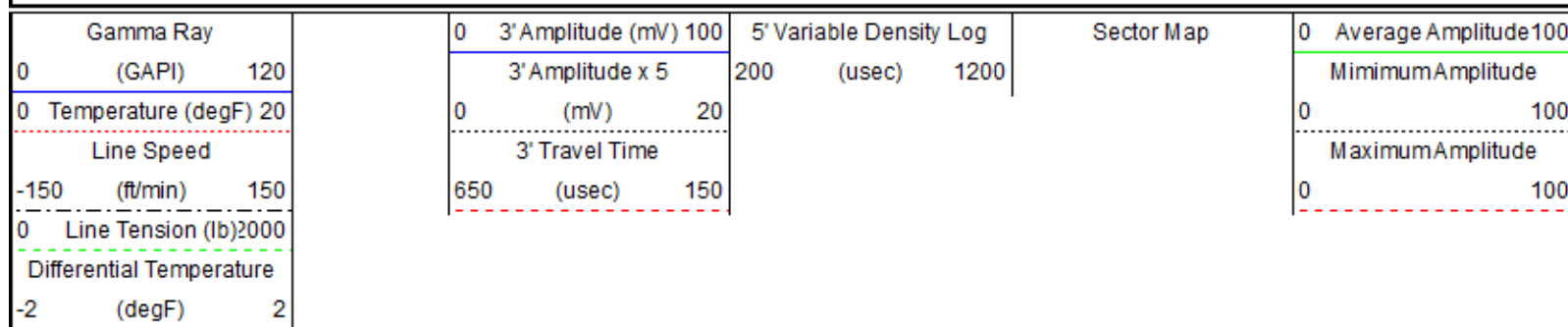


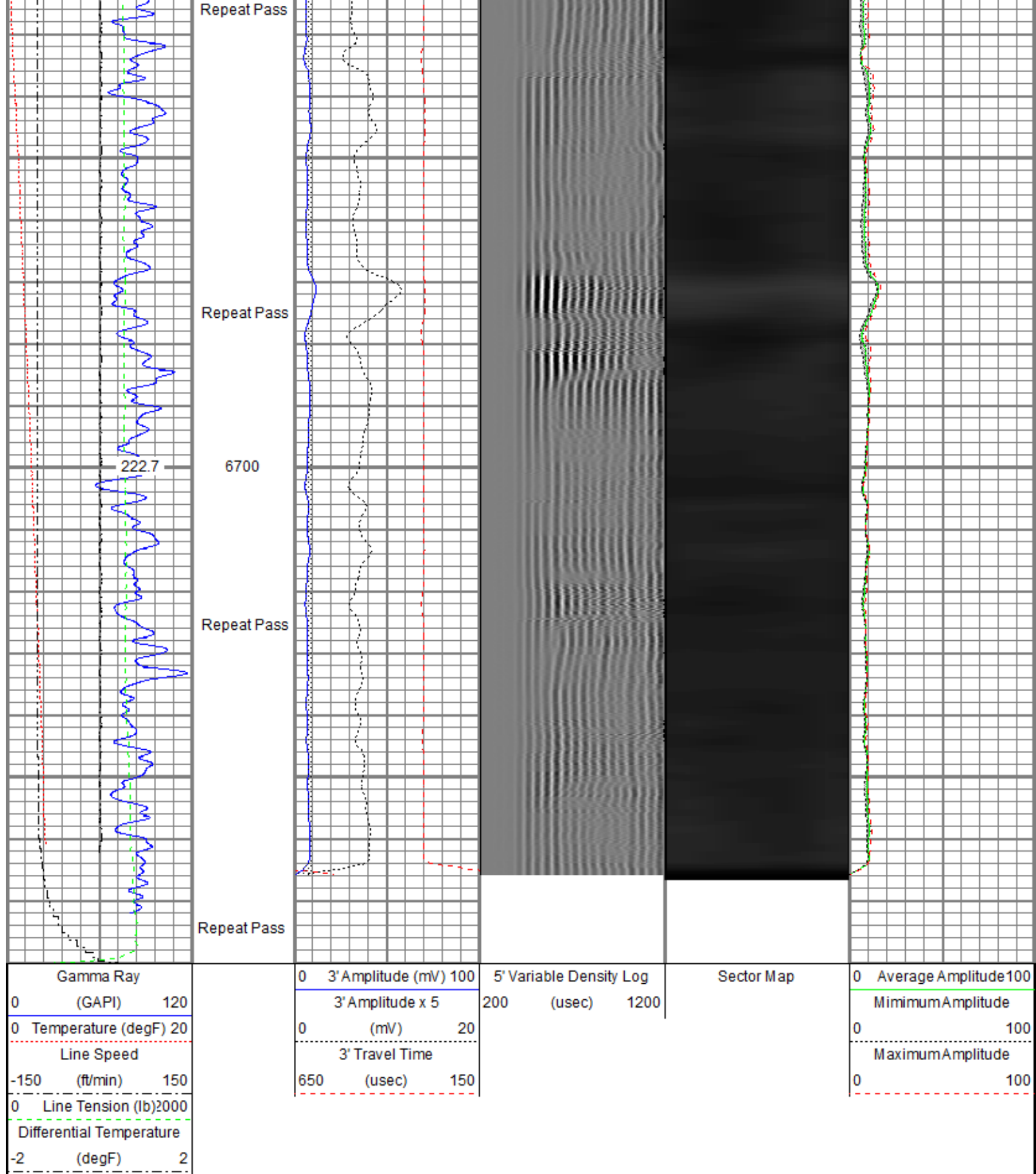


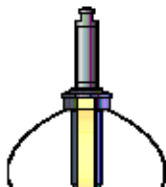
Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

Database File: anadarko\verde 13-10hz\0512346254_anadarko_verde 13-10hz_rbl_06-18-18_2800 psi.db
 Dataset Pathname: pass2
 Presentation Format: ros_radrii
 Dataset Creation: Mon Jun 18 12:30:49 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	17.33					
WVFS8	15.09		Probe Radd-2750 RBT (120855) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
WVFS7	15.09					
WVFS6	15.09					
WVFS5	15.09					
WVFS4	15.09					
WVFS3	15.09					
WVFS2	15.09					
WVFS1	15.09					
WVFCAL	15.09					
WVF3FT	15.09					
WVF5FT	14.09					
HEADVOLT	10.84		Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
CCL\$2	7.08					
CCL\$1	7.08					
GR	5.75		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 ADPT-6P-GO Probe 2-3/4" 6-Pin Top to GO Bottom Adaptor Sub	0.28	2.75	2.00
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
Dataset: 0512346254_Anadarko_Verde 13-10HZ_RBL_06-18-18_2800 PSI.db: field/well/run1/pass4 Total length: 24.15 ft Total weight: 225.60 lb O.D.: 2.75 in						

Calibration Report	
Database File	C:\ProgramData\Warrior\Data\Anadarko\Verde 13-10HZ\0512346254_Anadarko_Verde 13-10HZ_RBL_06-18-18_2800 PSI.db
Dataset Pathname	pass4
Dataset Creation	Mon Jun 18 12:35:17 2018

Serial Number: 101001
Tool Model: 2750 6PB
Performed: Mon Jun 18 10:09:36 2018

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: 120855
Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
Calibration Depth: 23.089 ft

Master Calibration, performed Mon Jun 18 10:13:30 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	0.700	0.800	71.921	102.623	0.122
CAL	0.007	0.704				
5'	0.007	0.660	0.800	71.921	108.790	0.071
SUM						
S1	0.007	0.698	0.000	100.000	144.643	-1.003
S2	0.007	0.708	0.000	100.000	142.755	-1.004
S3	0.007	0.701	0.000	100.000	144.187	-1.038
S4	0.007	0.697	0.000	100.000	144.817	-1.009
S5	0.007	0.697	0.000	100.000	144.981	-0.986
S6	0.007	0.695	0.000	100.000	145.344	-0.983
S7	0.007	0.696	0.000	100.000	145.138	-0.948
S8	0.007	0.693	0.000	100.000	145.610	-0.965

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.007	0.704	1.000	0.000


Air Zero Calibration, performed Mon Jun 18 10:13:51 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.007		0.000		-0.000	
5'	0.007		0.000		-0.000	
SUM						
S1	0.007		0.000		0.000	
S2	0.007		0.000		0.000	
S3	0.007		0.000		0.000	
S4	0.007		0.000		-0.000	
S5	0.007		0.000		-0.000	
S6	0.007		0.000		-0.000	
S7	0.007		0.000		-0.000	
S8	0.007		0.000		-0.000	

Temperature Calibration Report

Serial Number: 120855
Tool Model: 2750 RBT
Performed: Mon Jun 18 10:05:52 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	Kerr-McGee Oil & Gas Onshore, L.P.
	Well	Verde 13-10HZ
	Field	Wattenberg
	County	Weld
	State	Colorado