



County Weld State Colorado

K.B.	4961'
D.F.	---
G.L.	4941'

ate	14-JUL-2018
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Four

Septin Uriller	1/430 F-1
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Bottom Logged Interval	6577 FT
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Open Hole Size	---
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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	08:50
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Location	Platteville, CO
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Witnessed By	Justin McMillan
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Run Number	Bit	From	To

Surface Casings	9 5/8	36
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intermediate #2			
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Comments

Log ran as per customer request
Log Correlated To Marker Joint @ 6526 FT
Gauge Ring/Junk Basket ran to 7826 FT with no debris
Adjusted +17.4 FT To Correlate with Marker Joint
Log ran 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!!

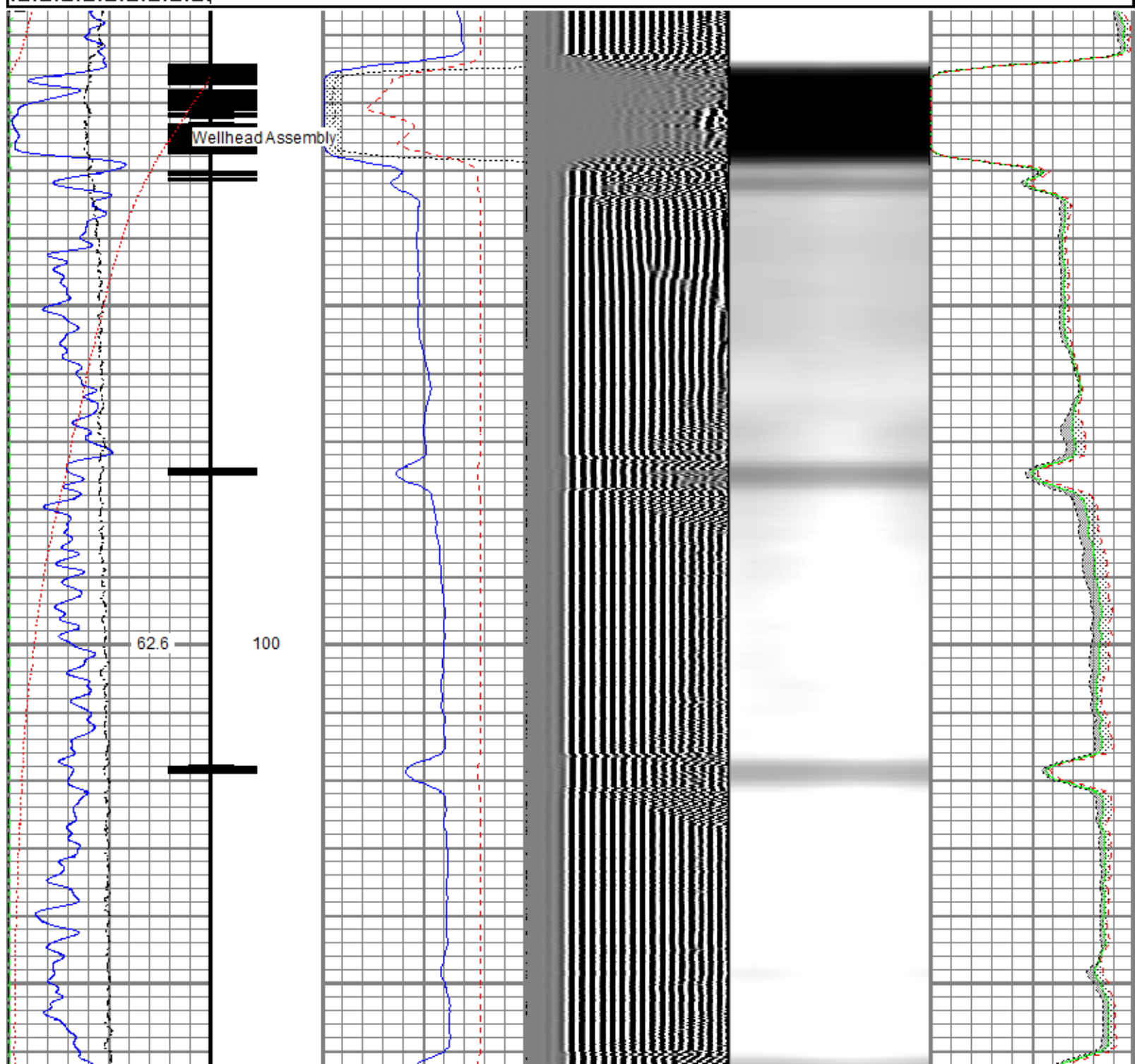
Main Pass

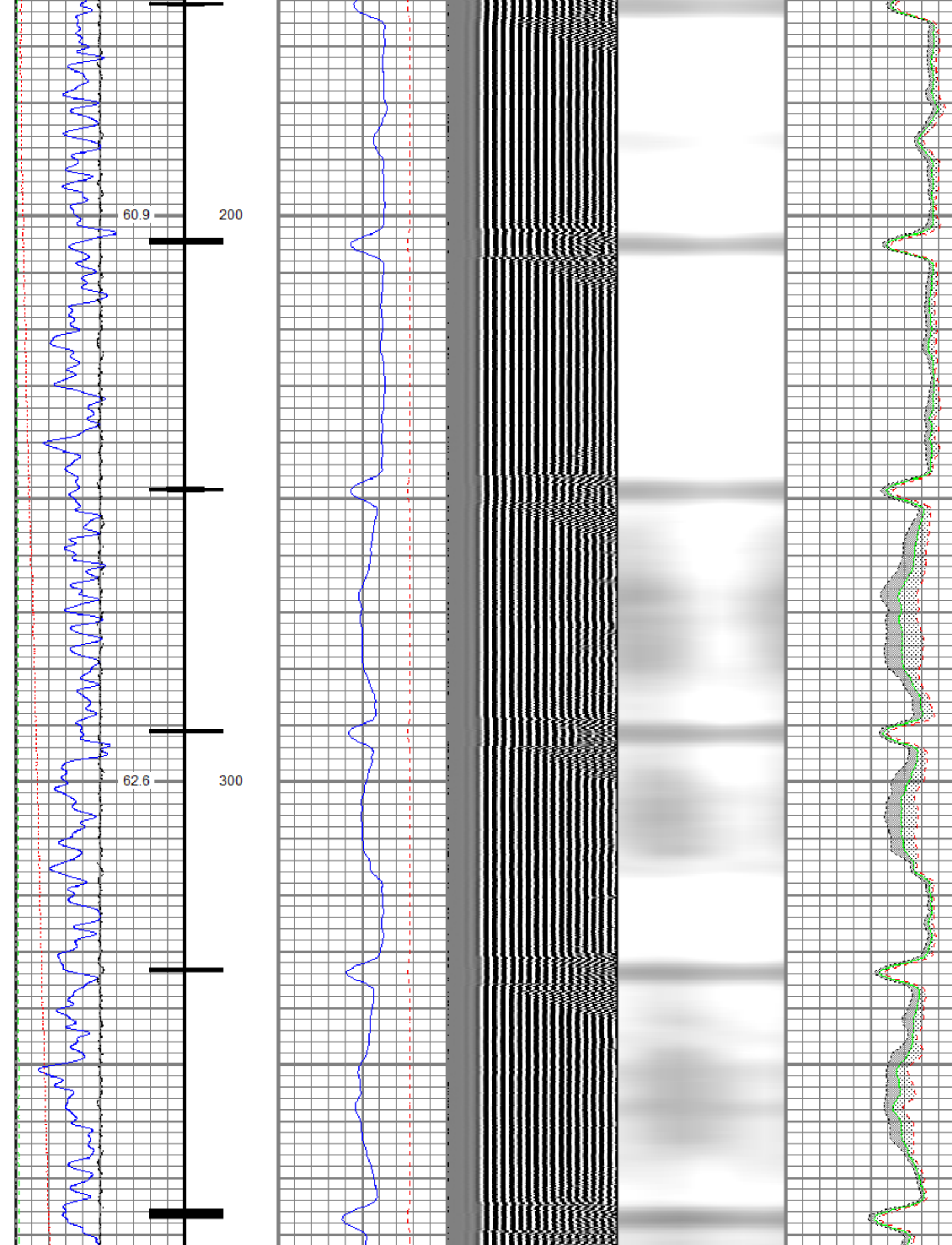


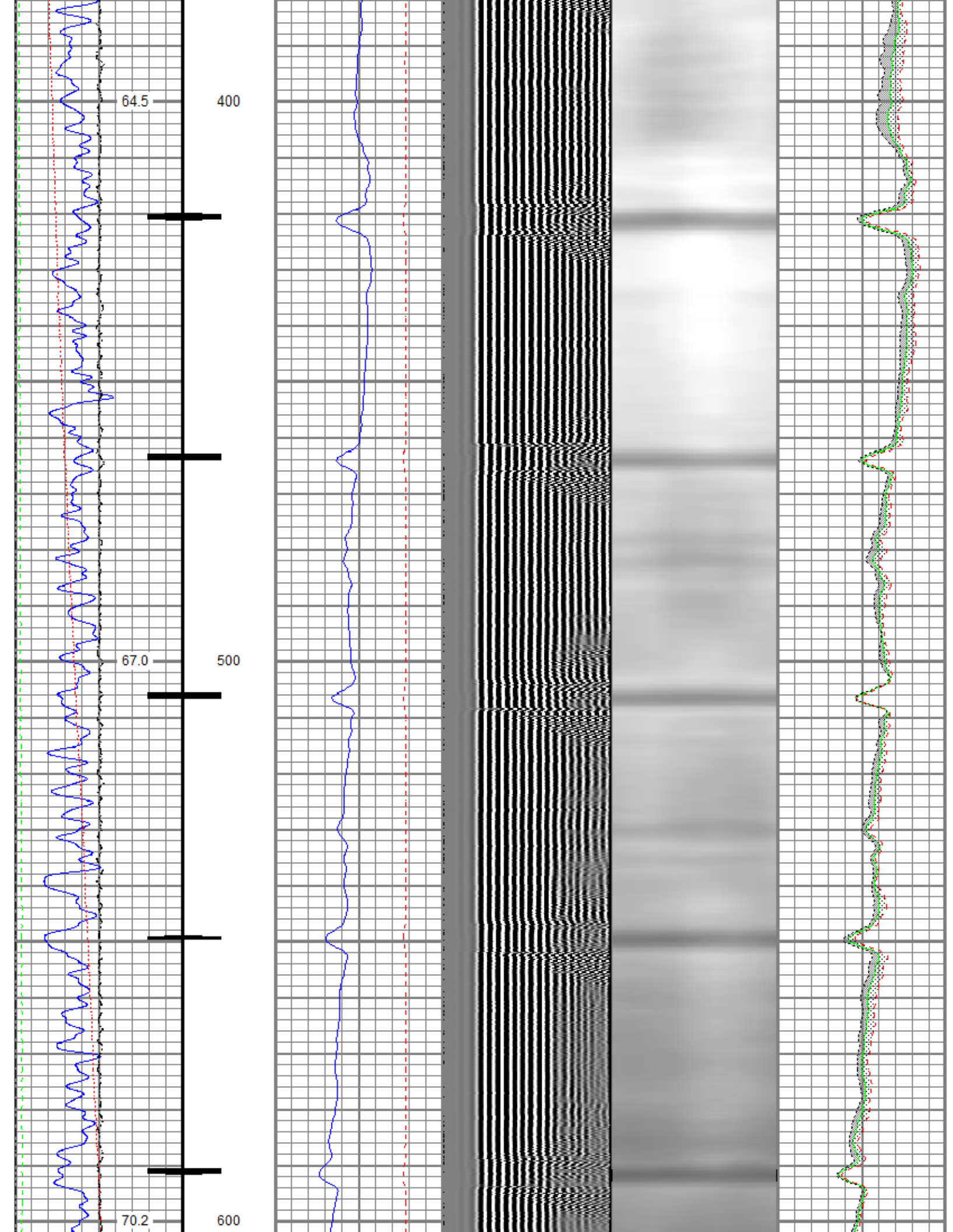
Recorded With 2000 PSI Surface-Induced Pressure

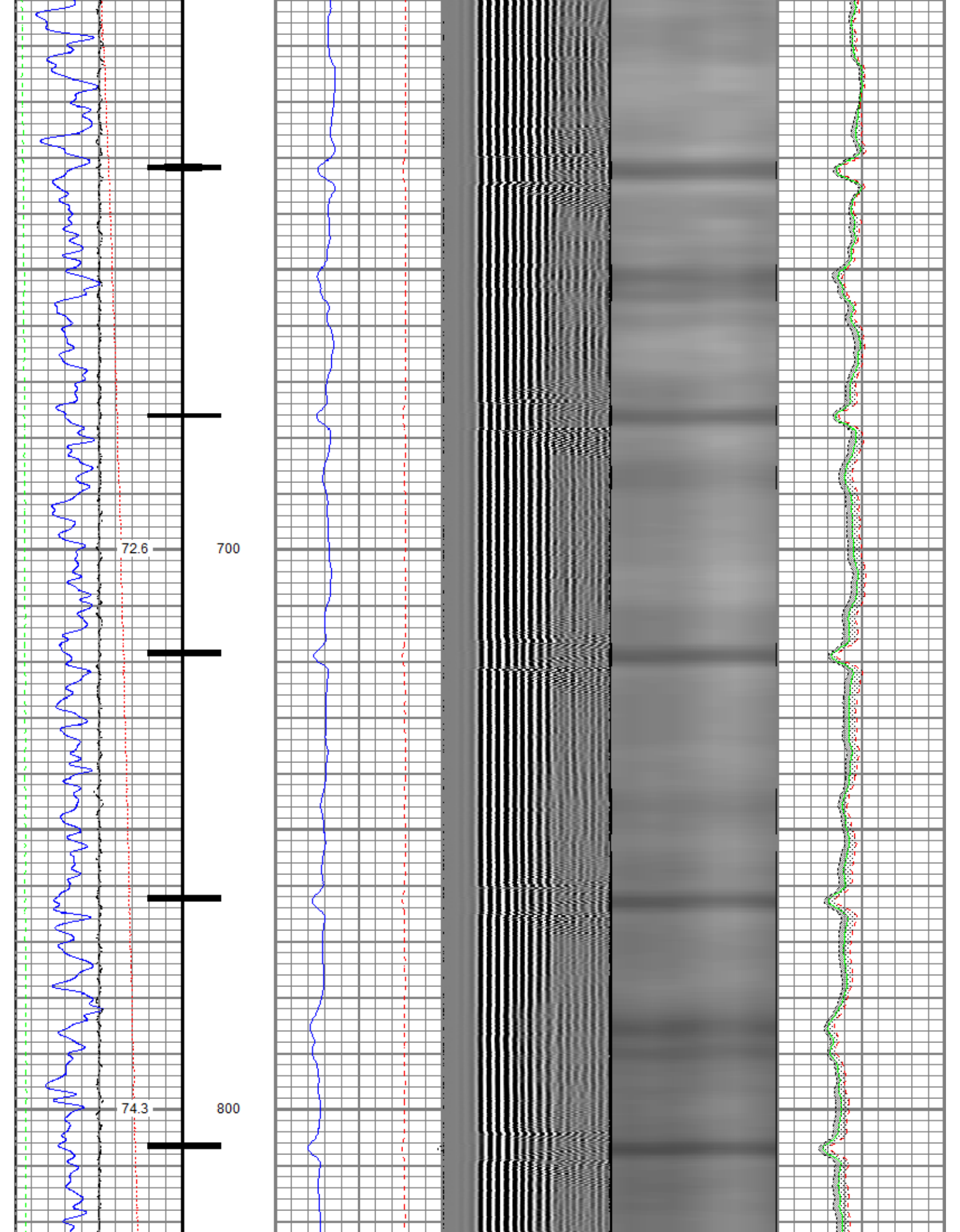
Database File	anadarko\0512346263_anadarko_quarter circle 24-6hz_rbl_07-14-18\processed_0512346263_anadarko_quarter circle 24-6h
Dataset Pathname	pass4
Presentation Format	ros_radri
Dataset Creation	Sat Jul 14 08:55:44 2018
Charted by	Depth in Feet scaled 1:240

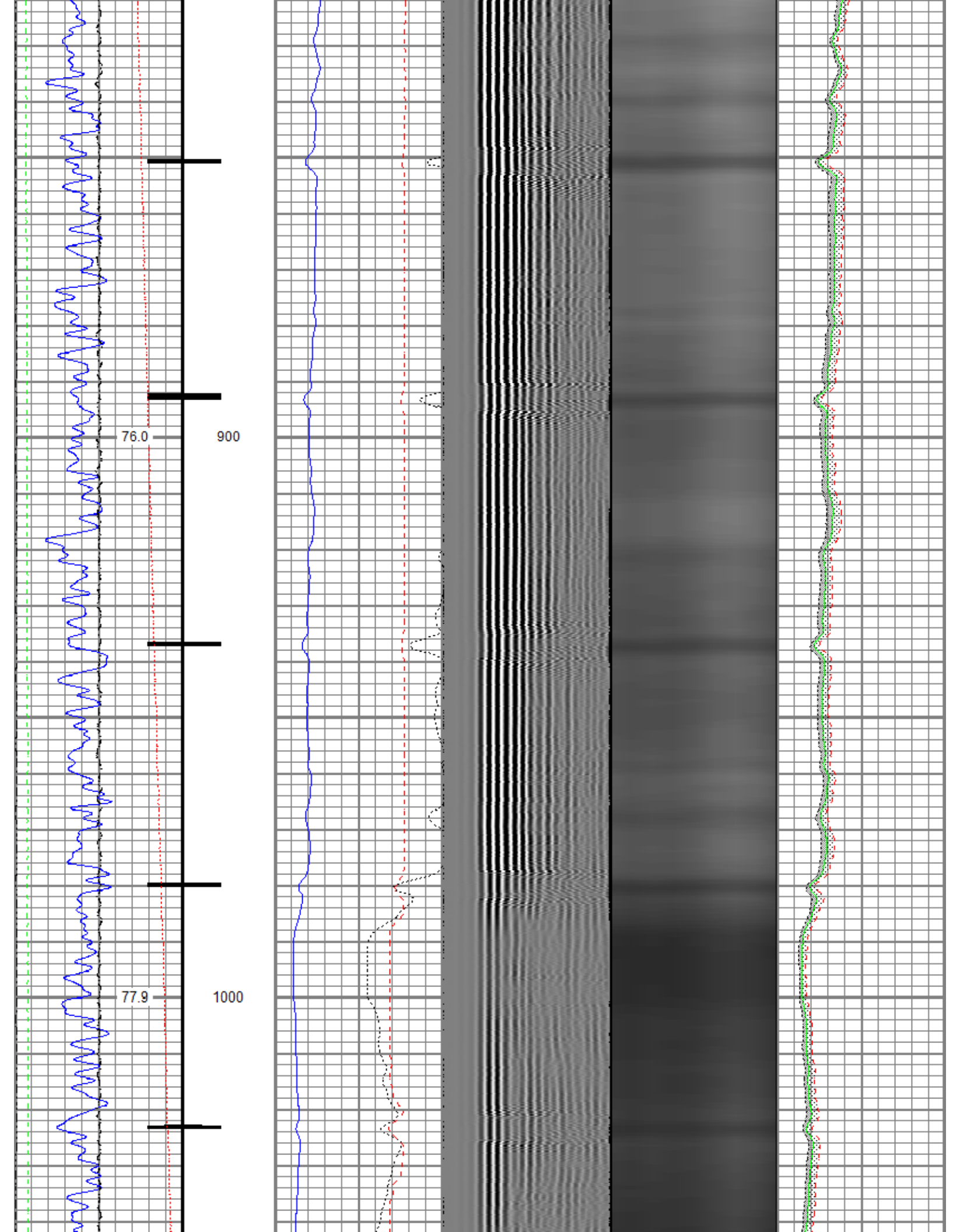
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200	1200		Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min) 150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

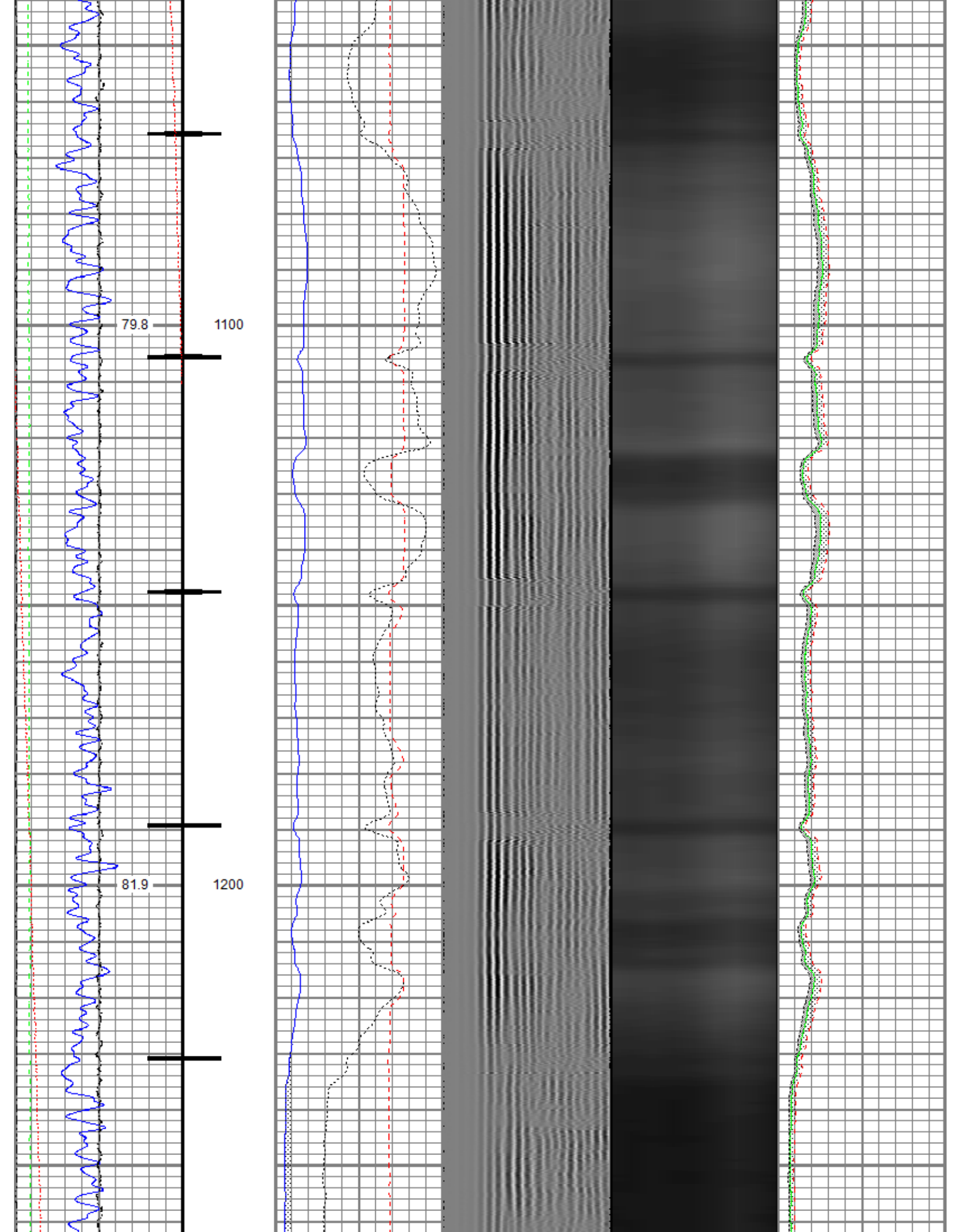


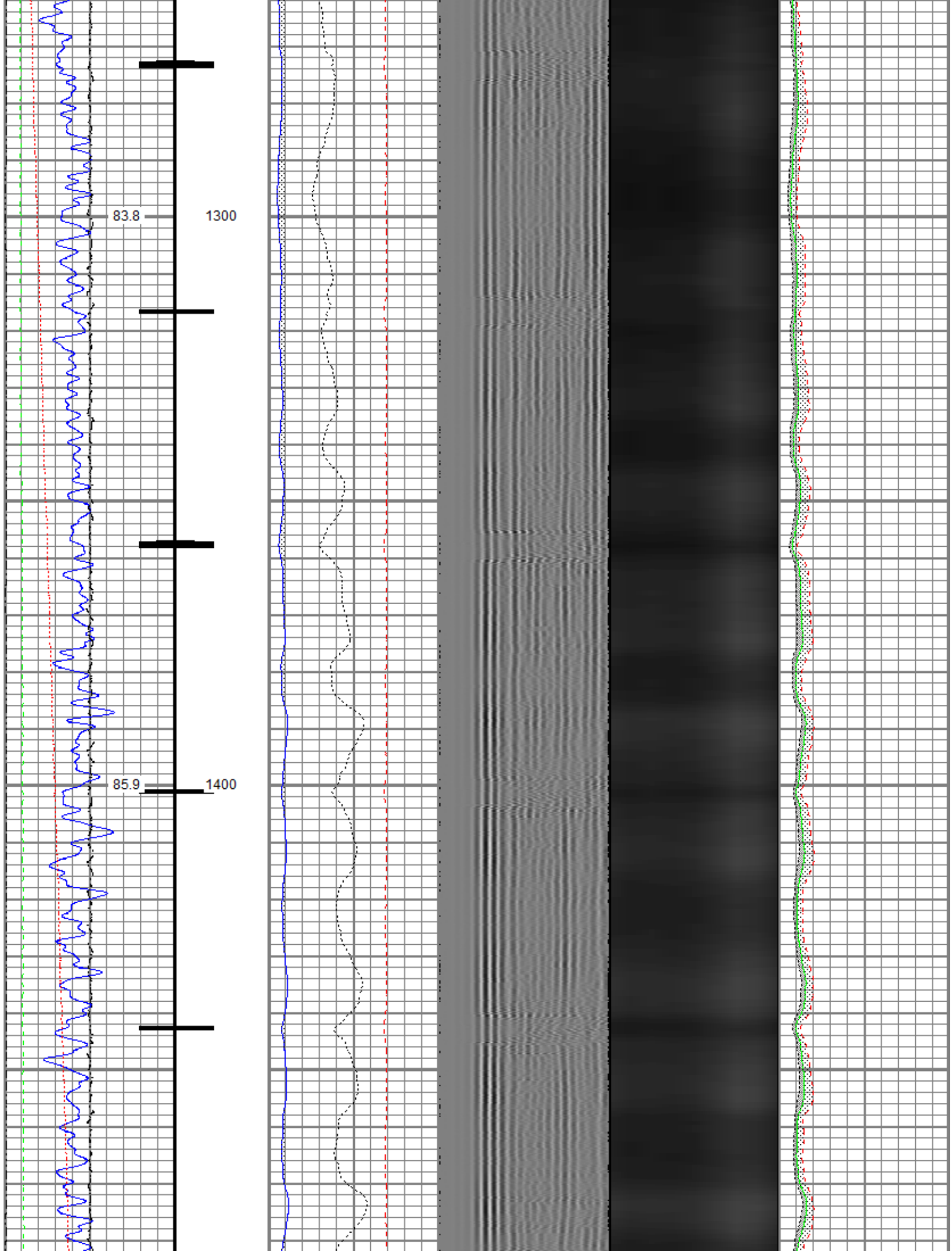


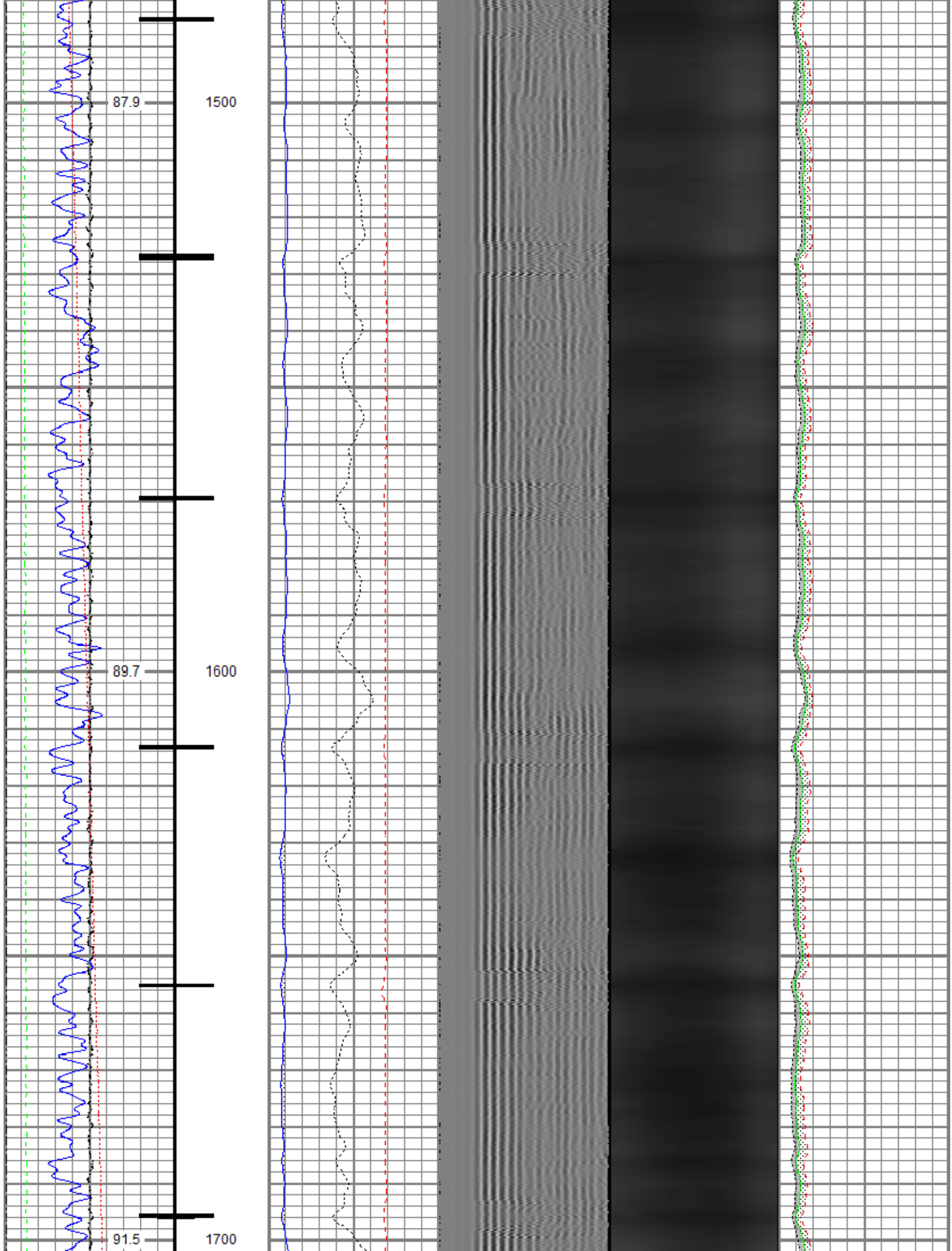


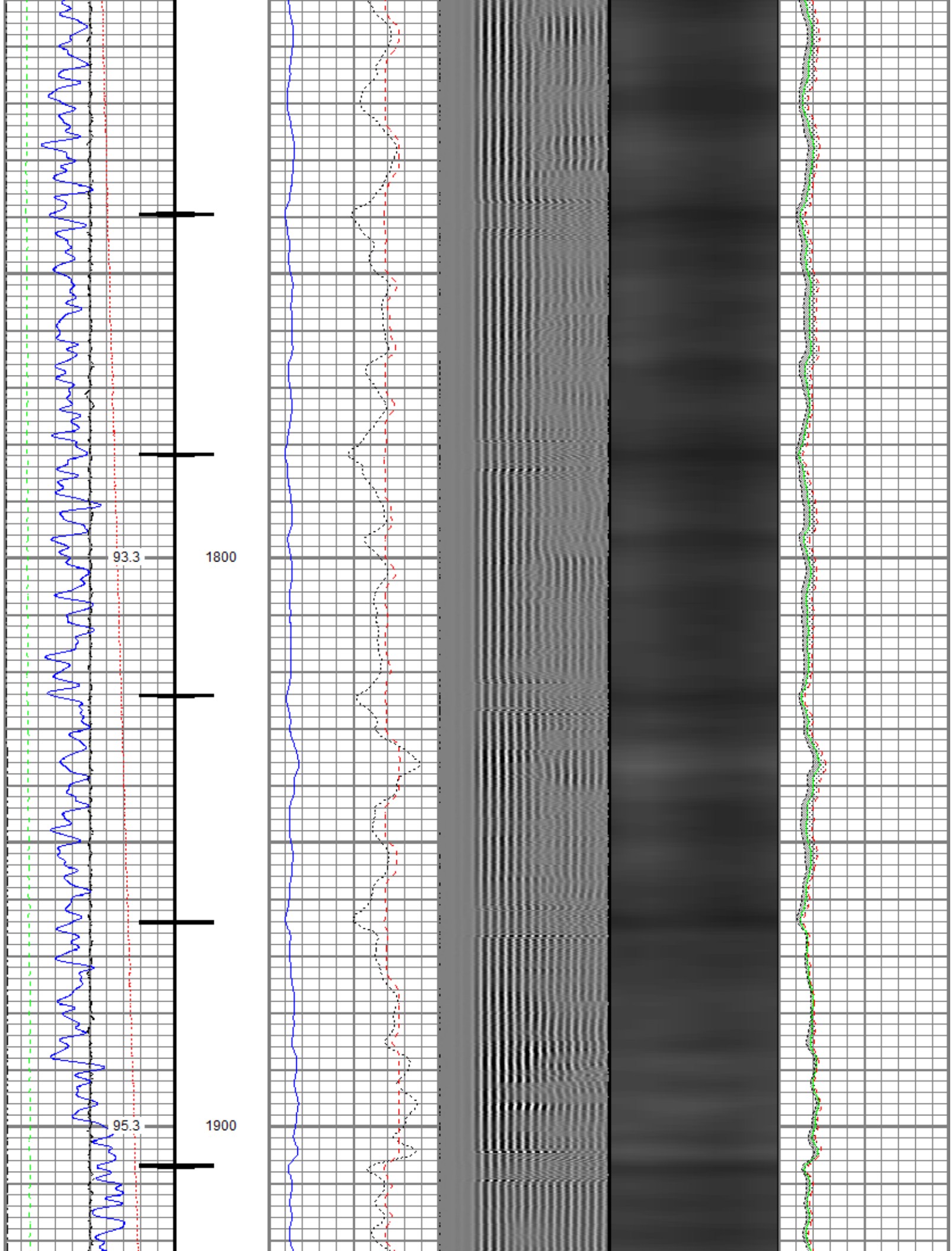


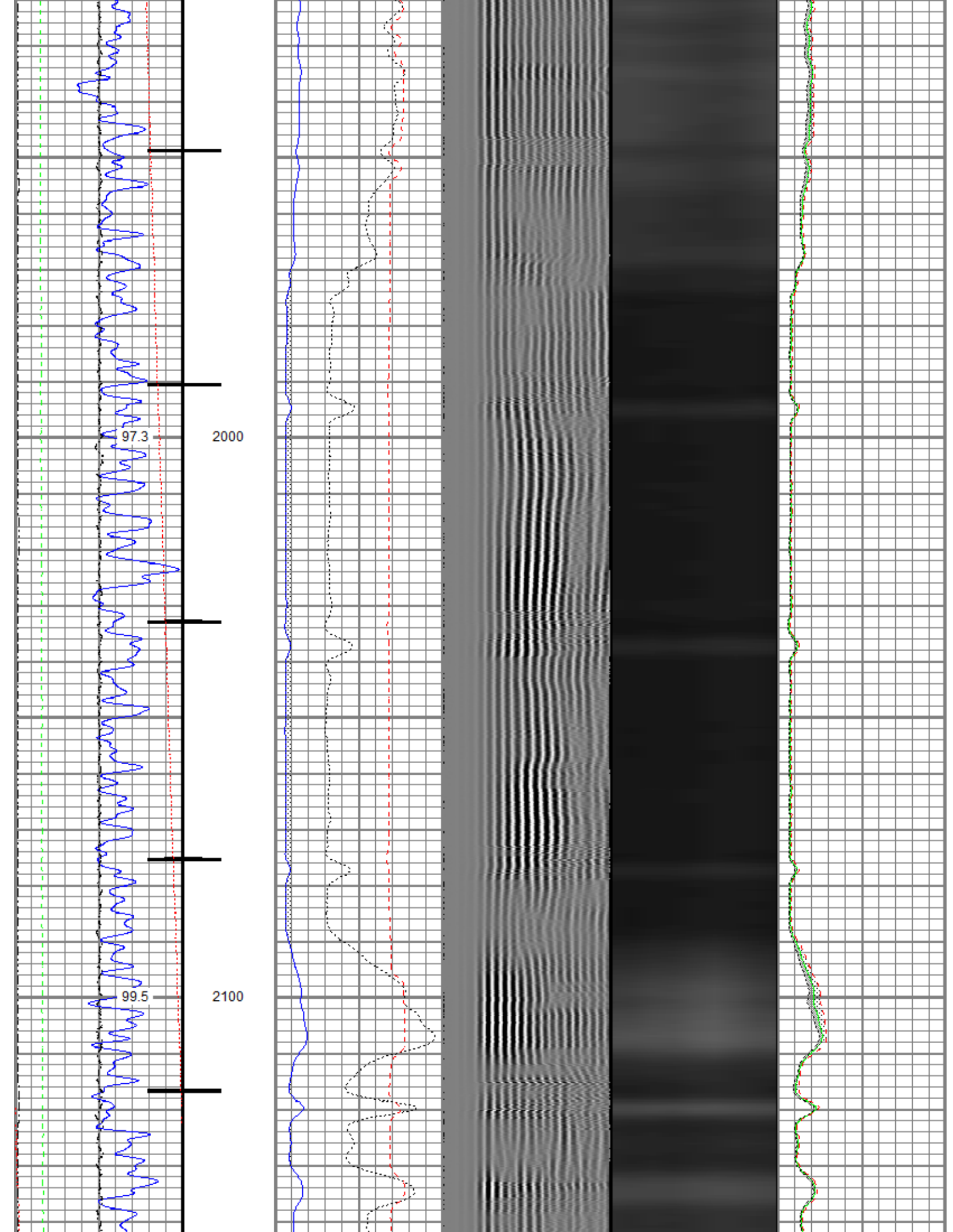


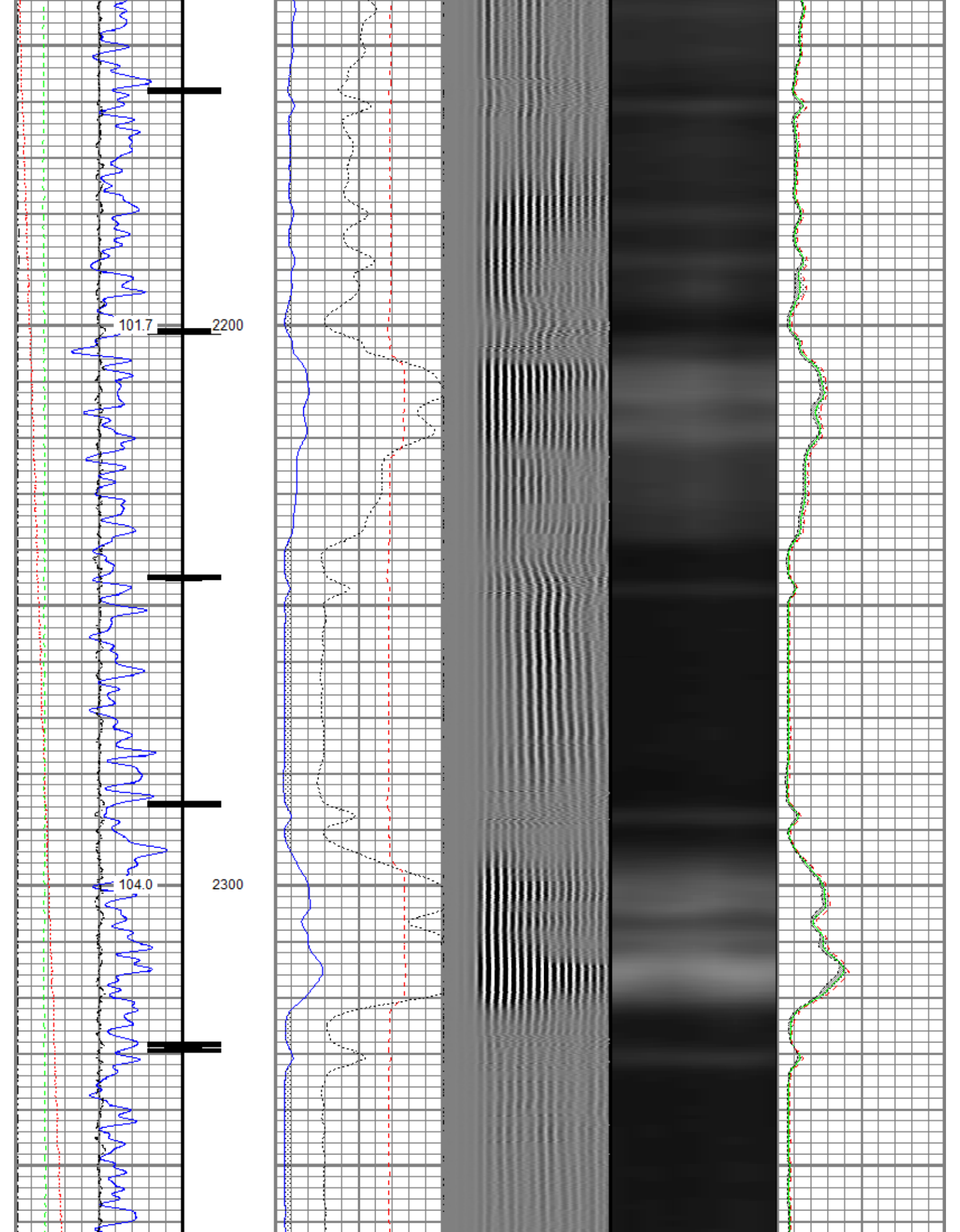


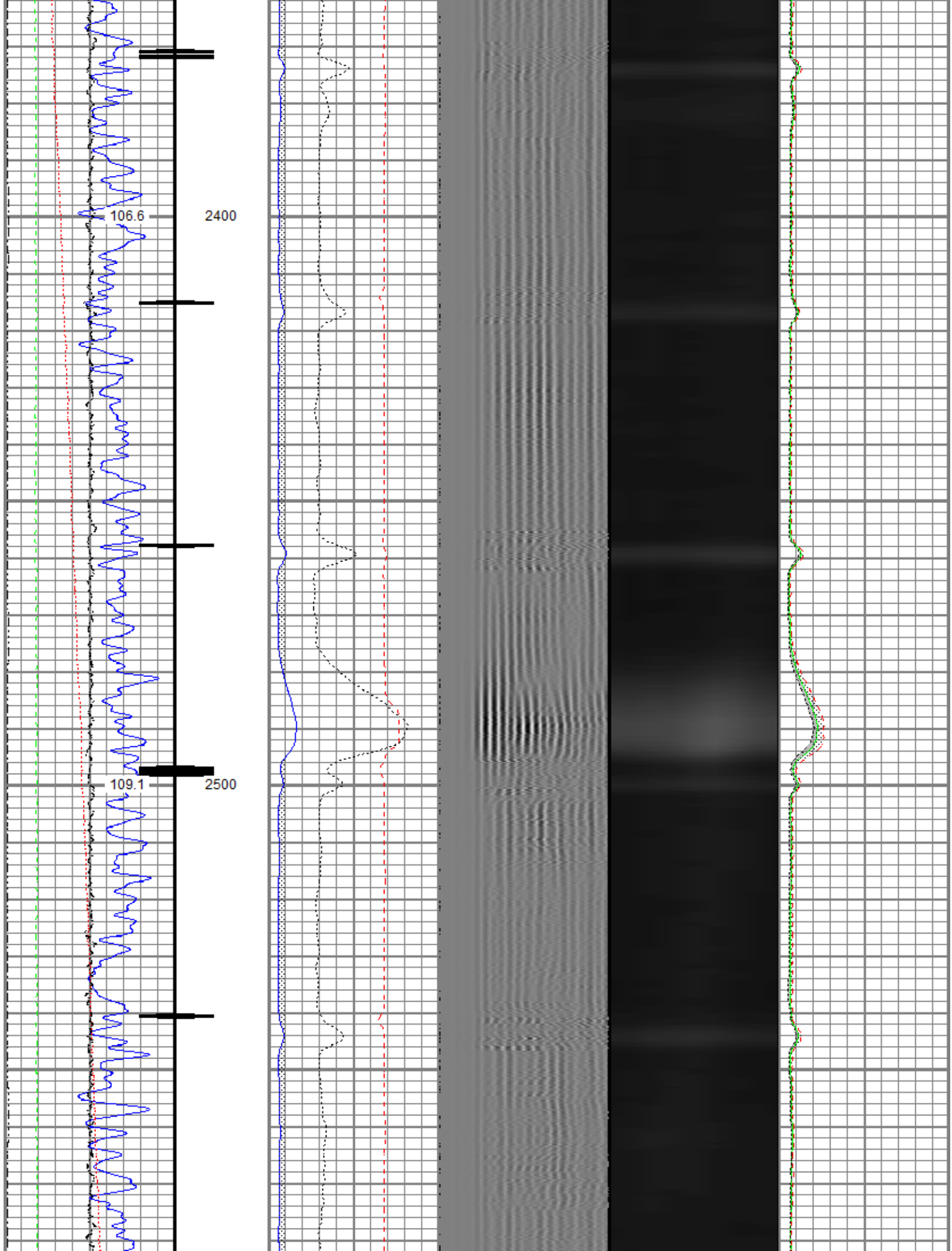


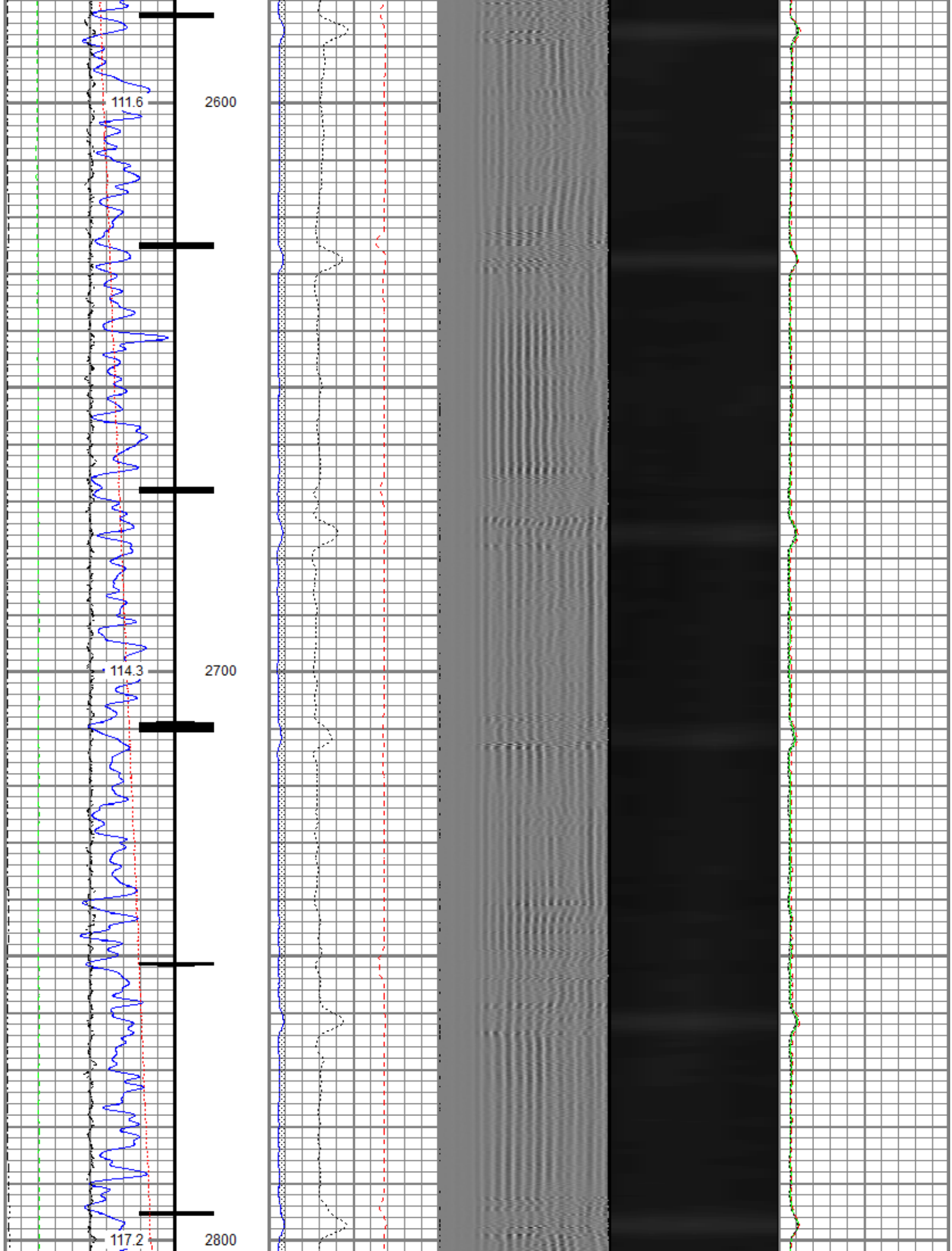


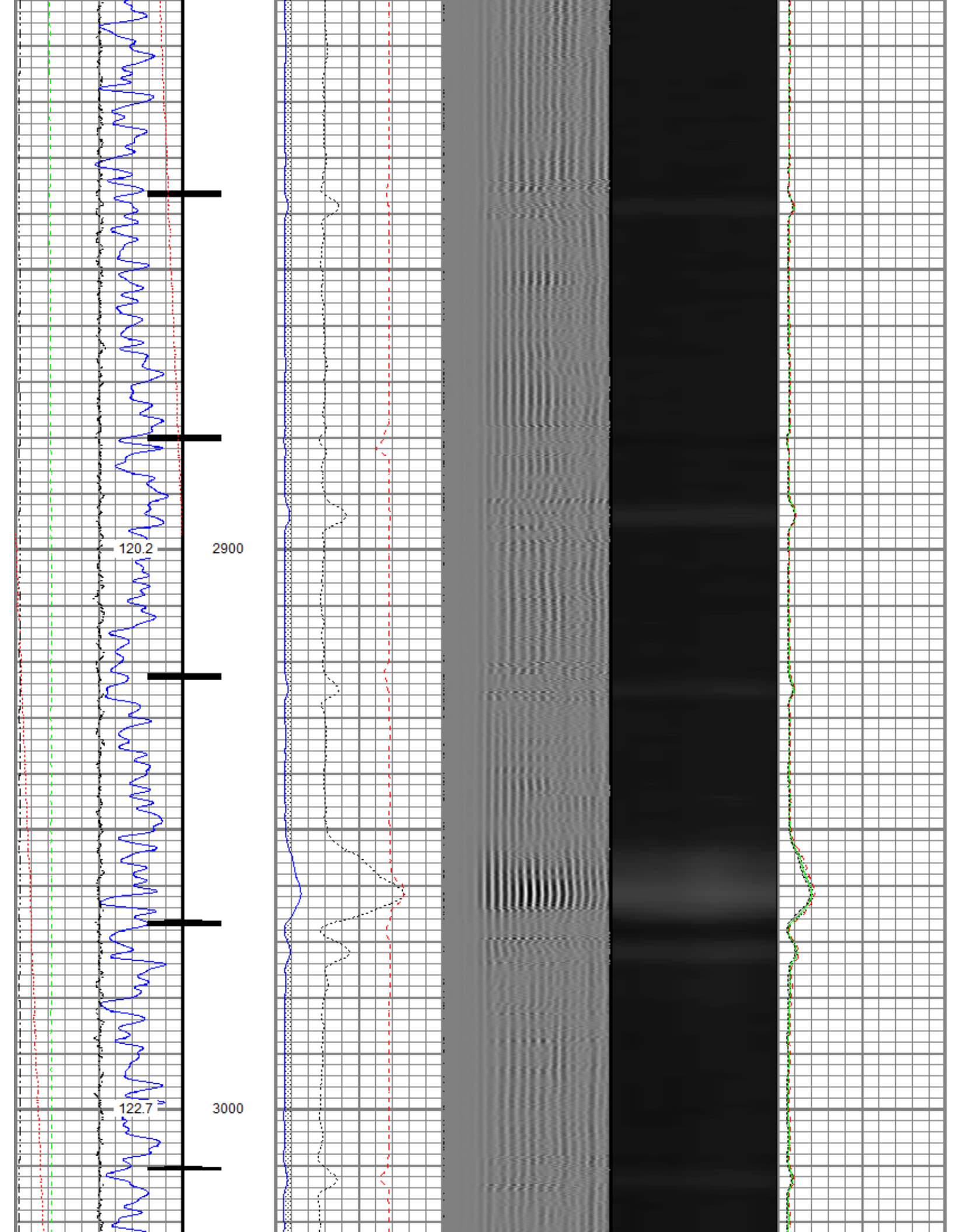


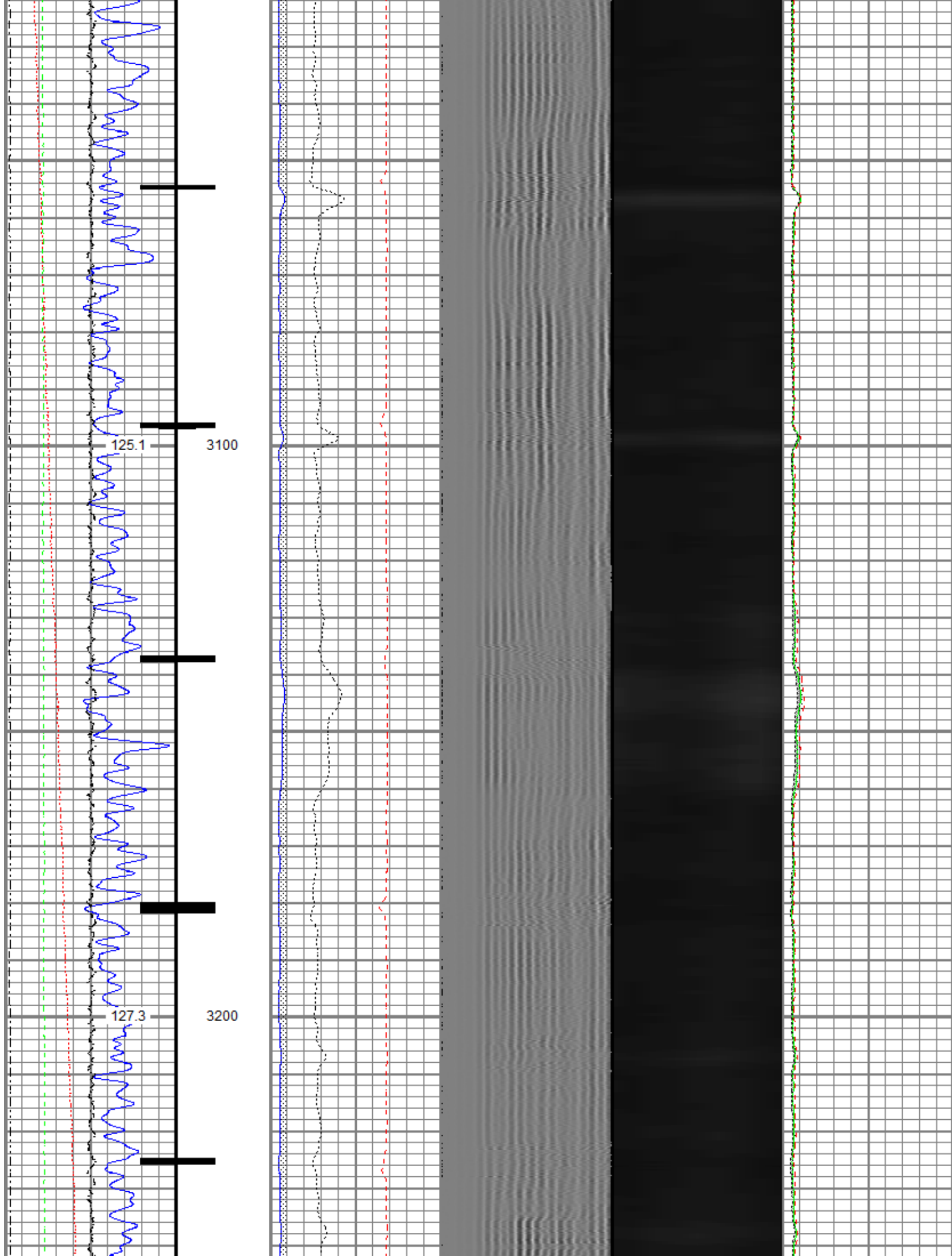


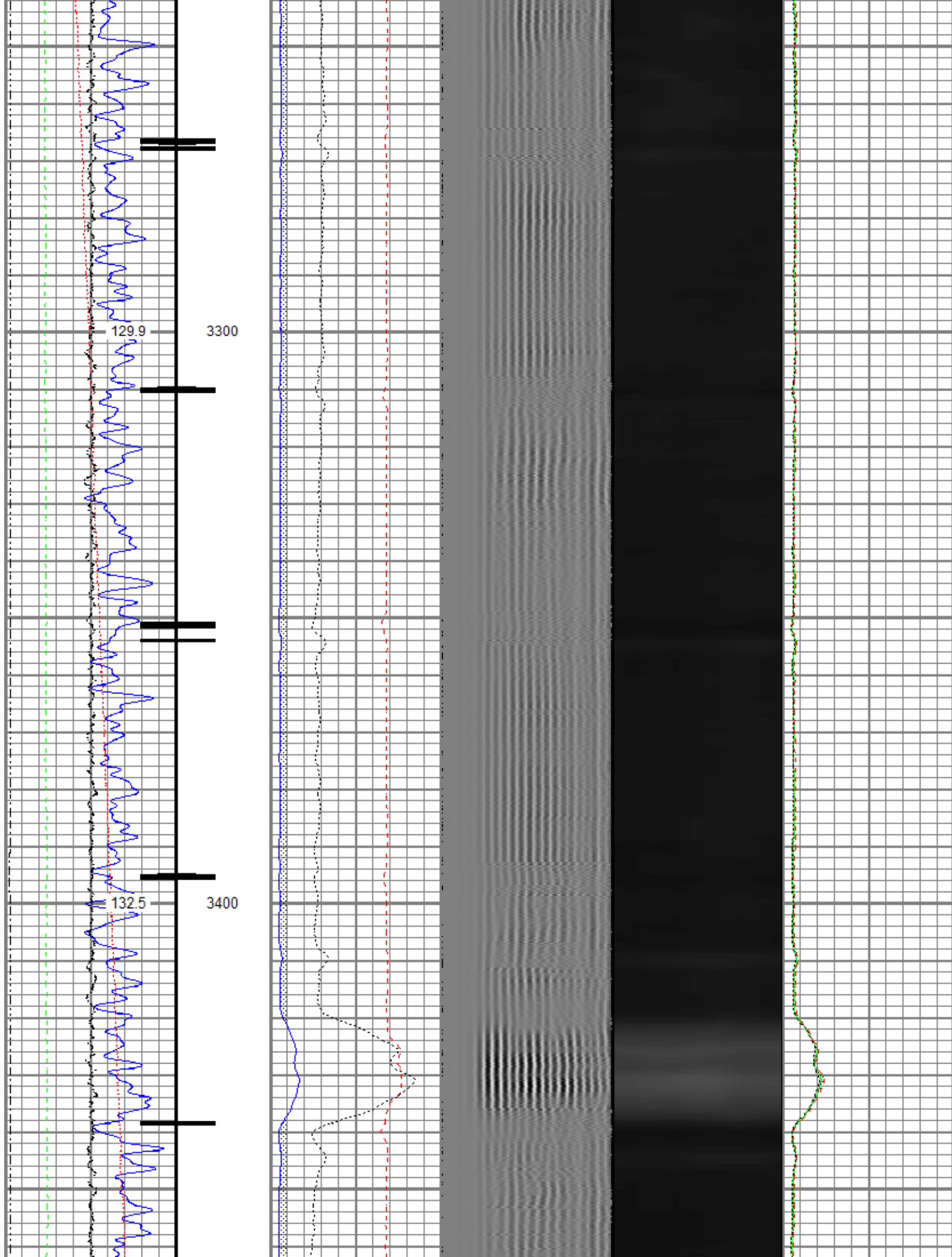


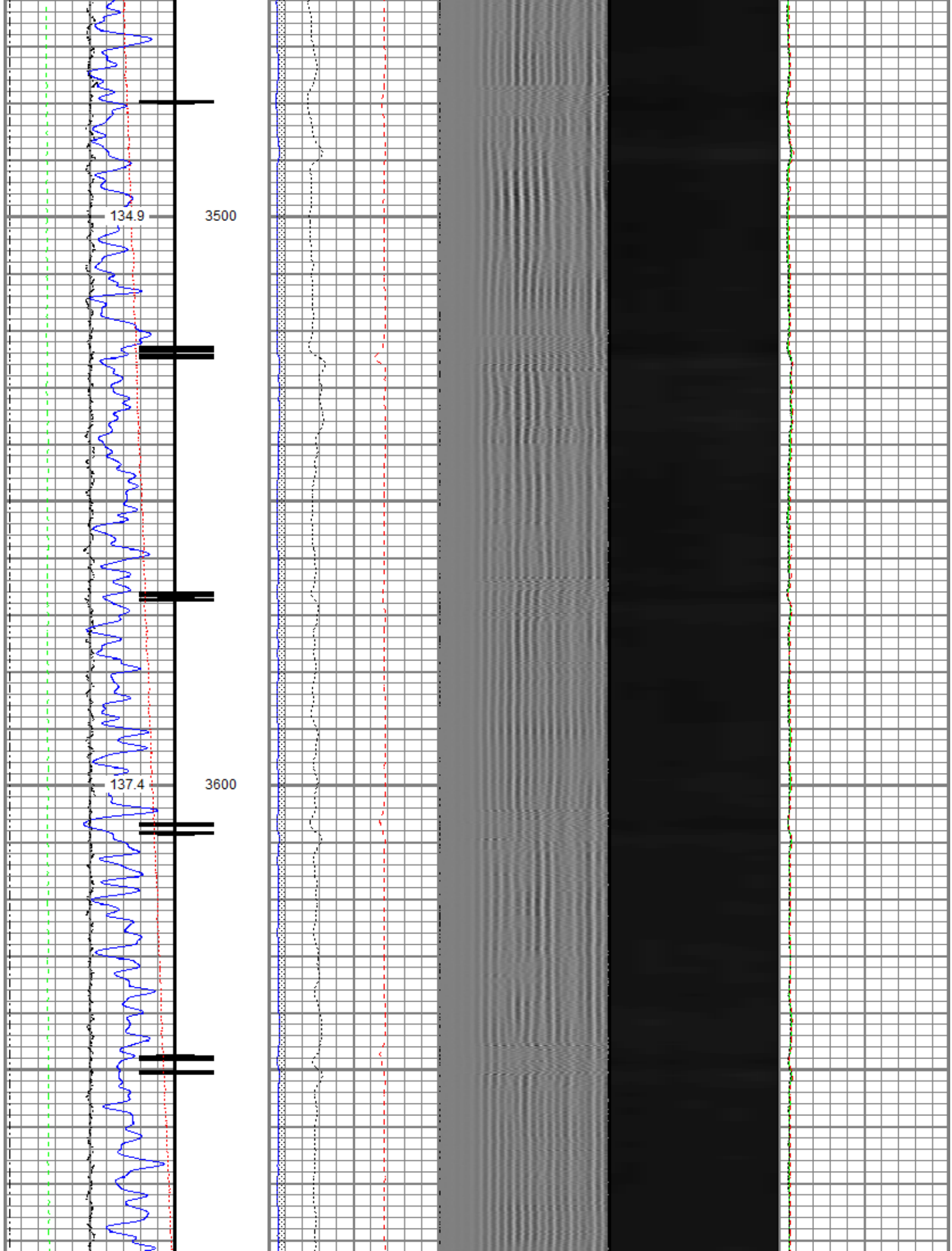


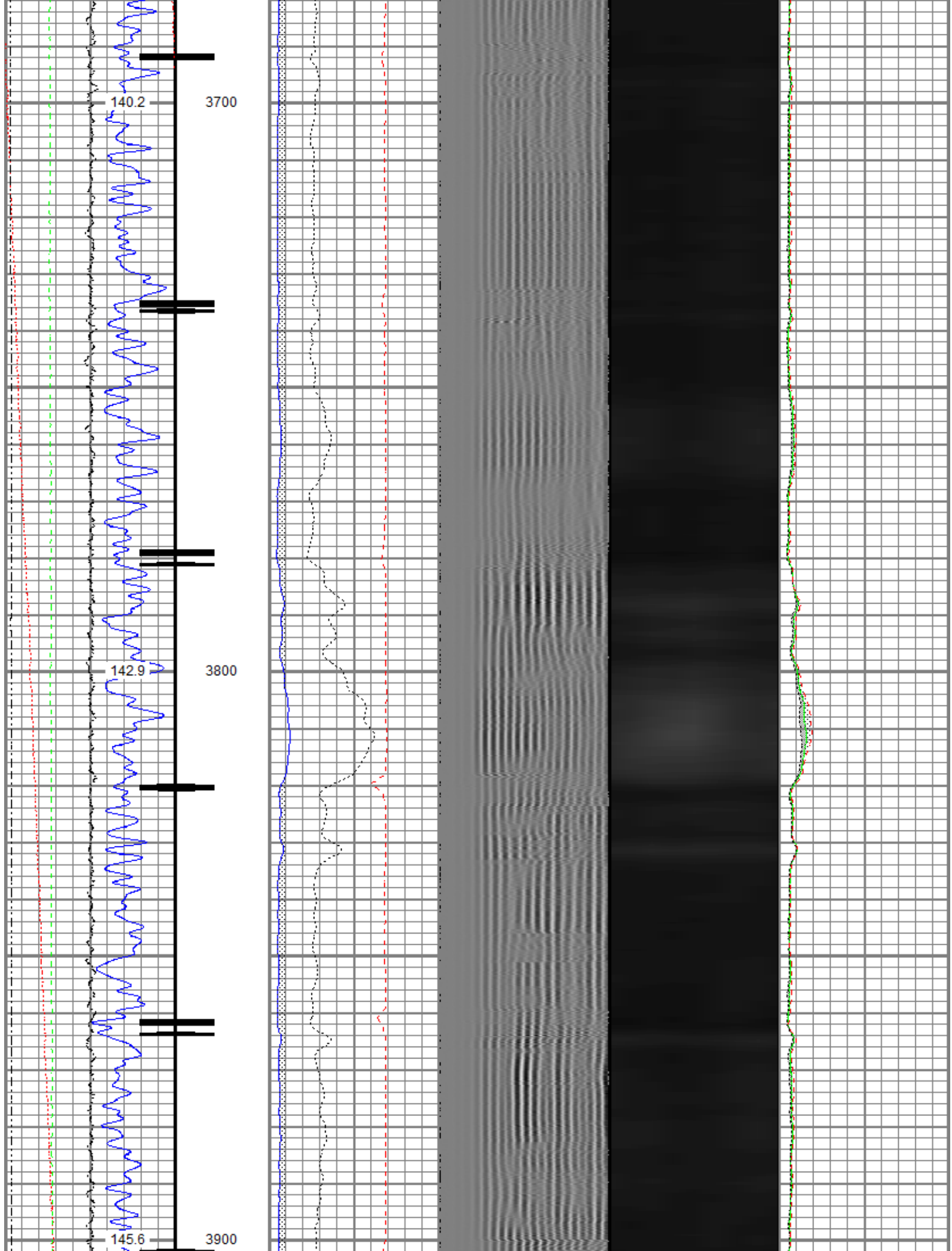


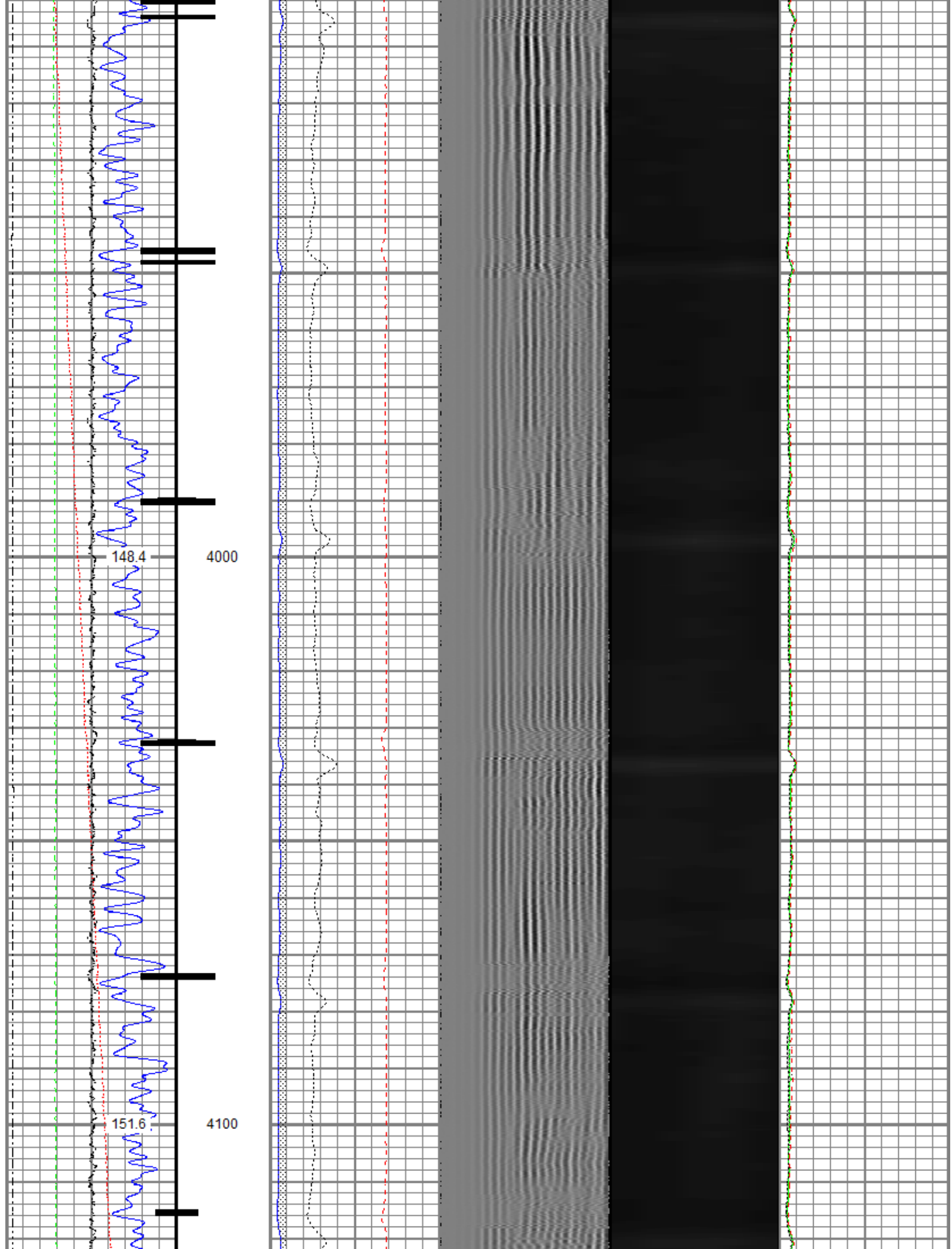


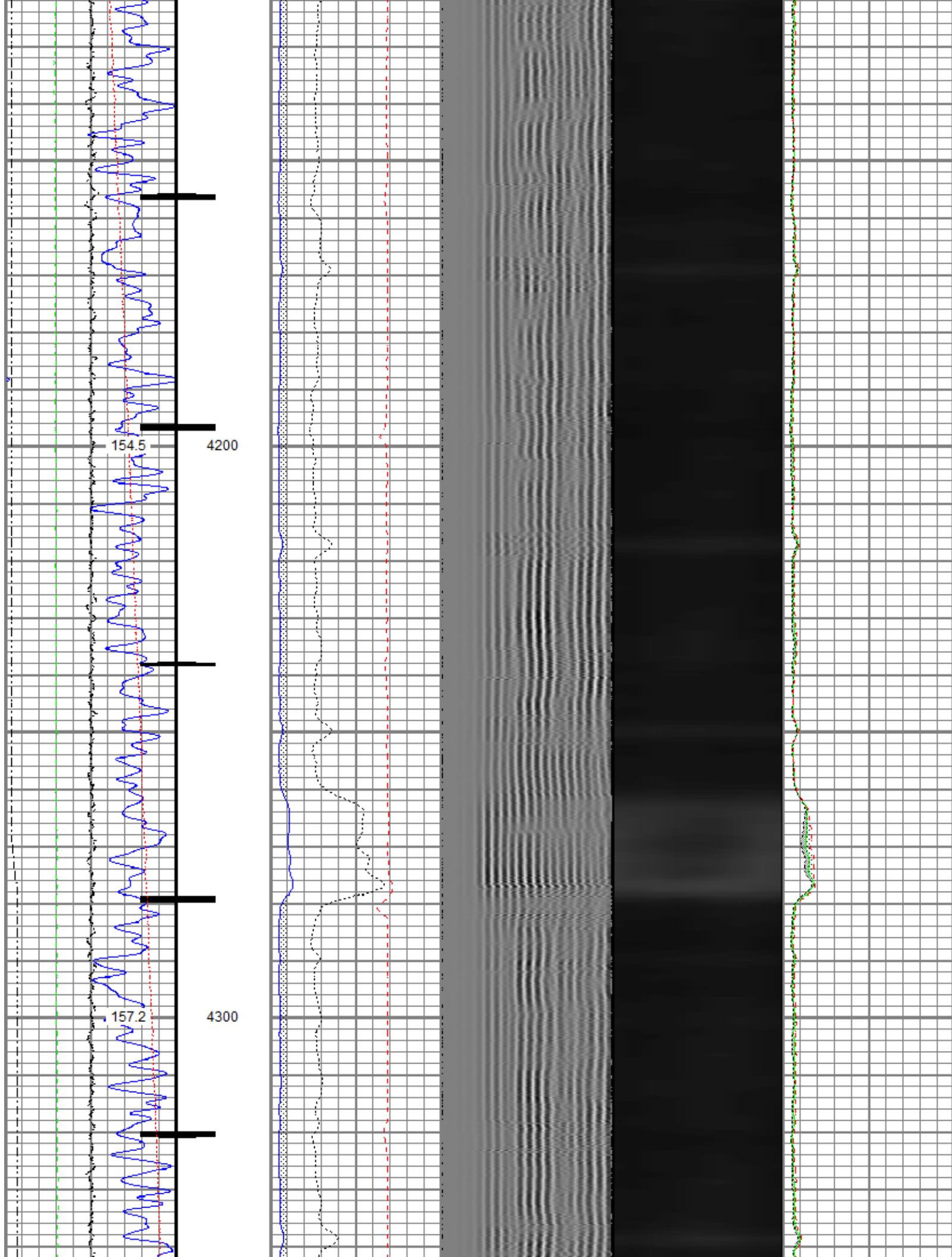


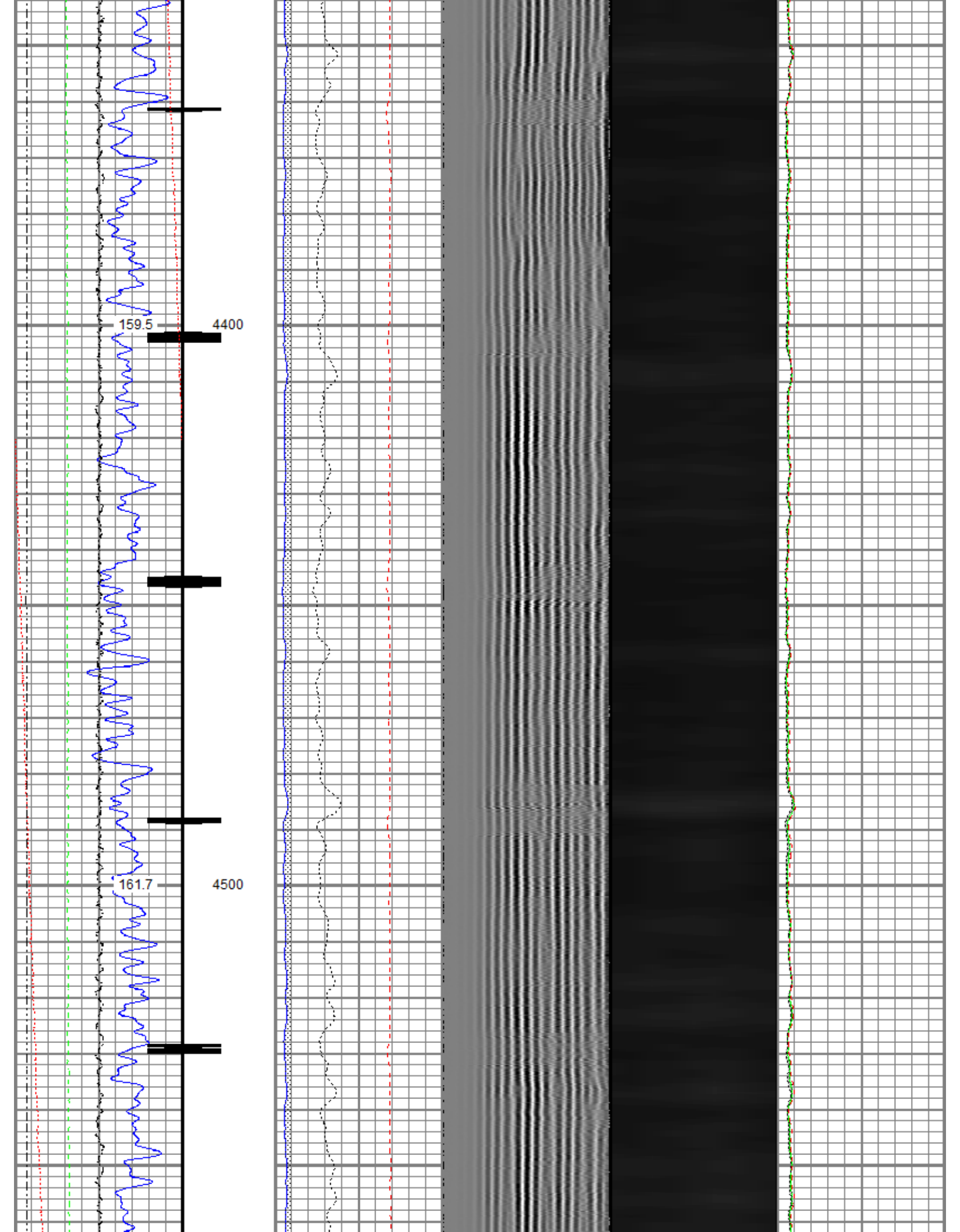


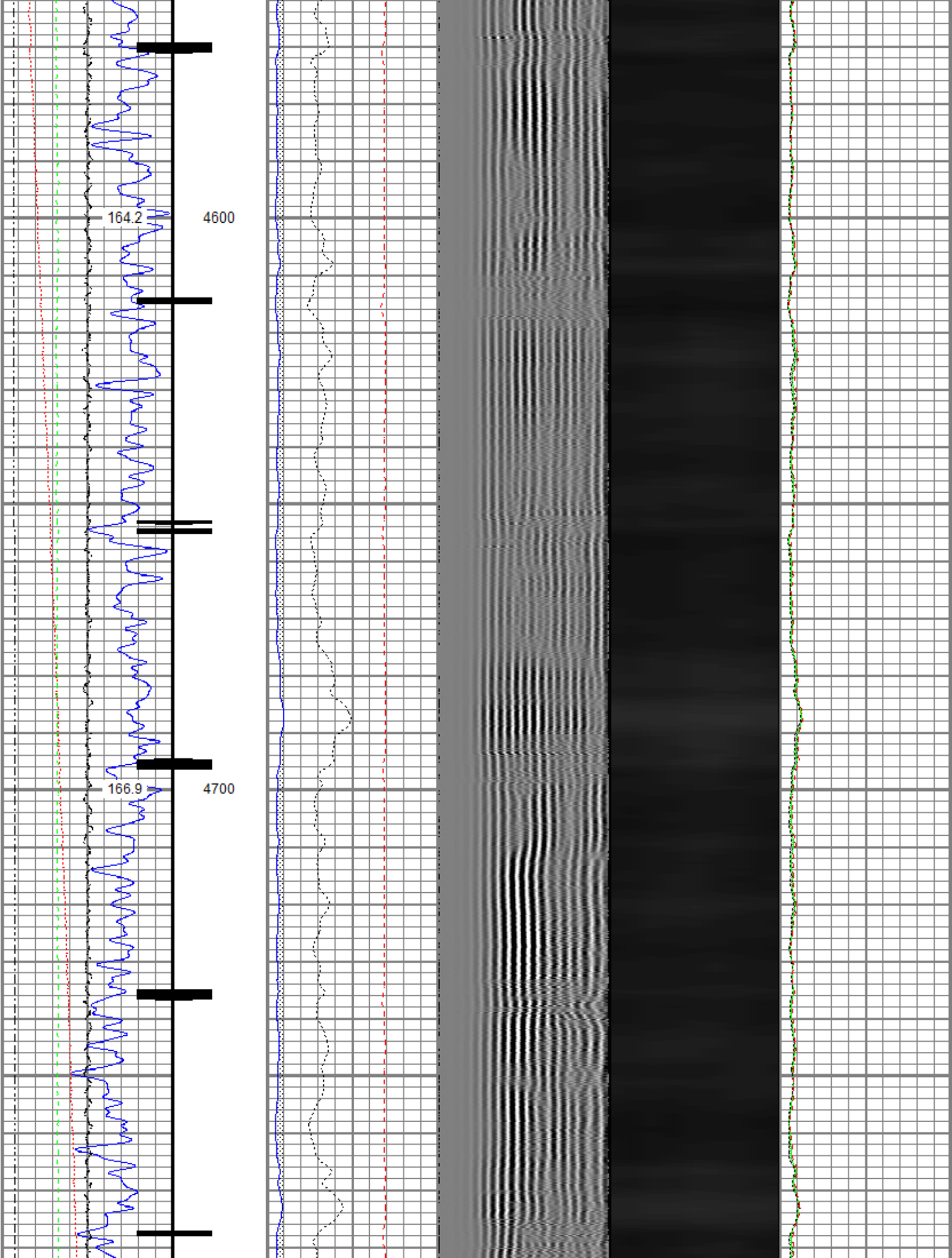


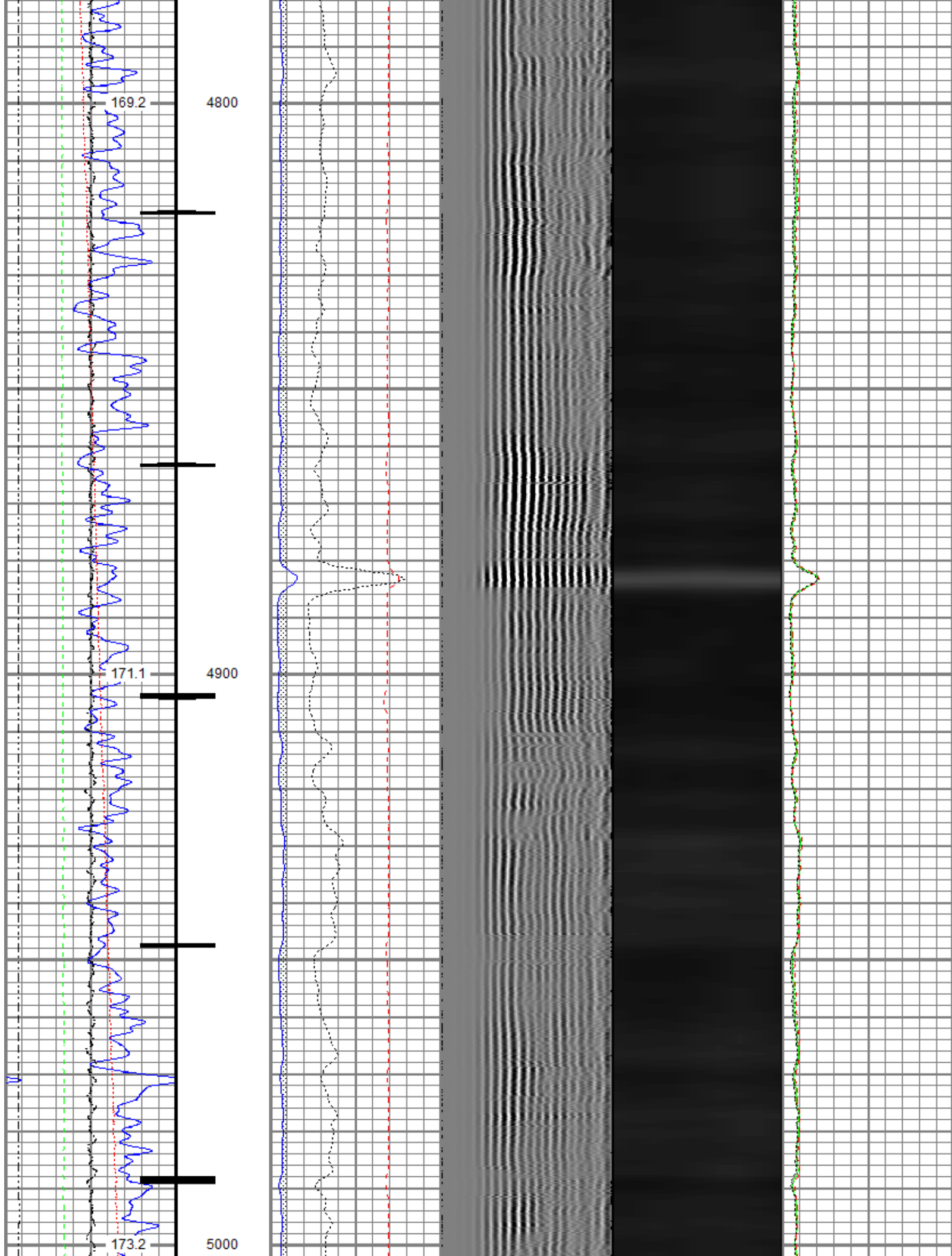


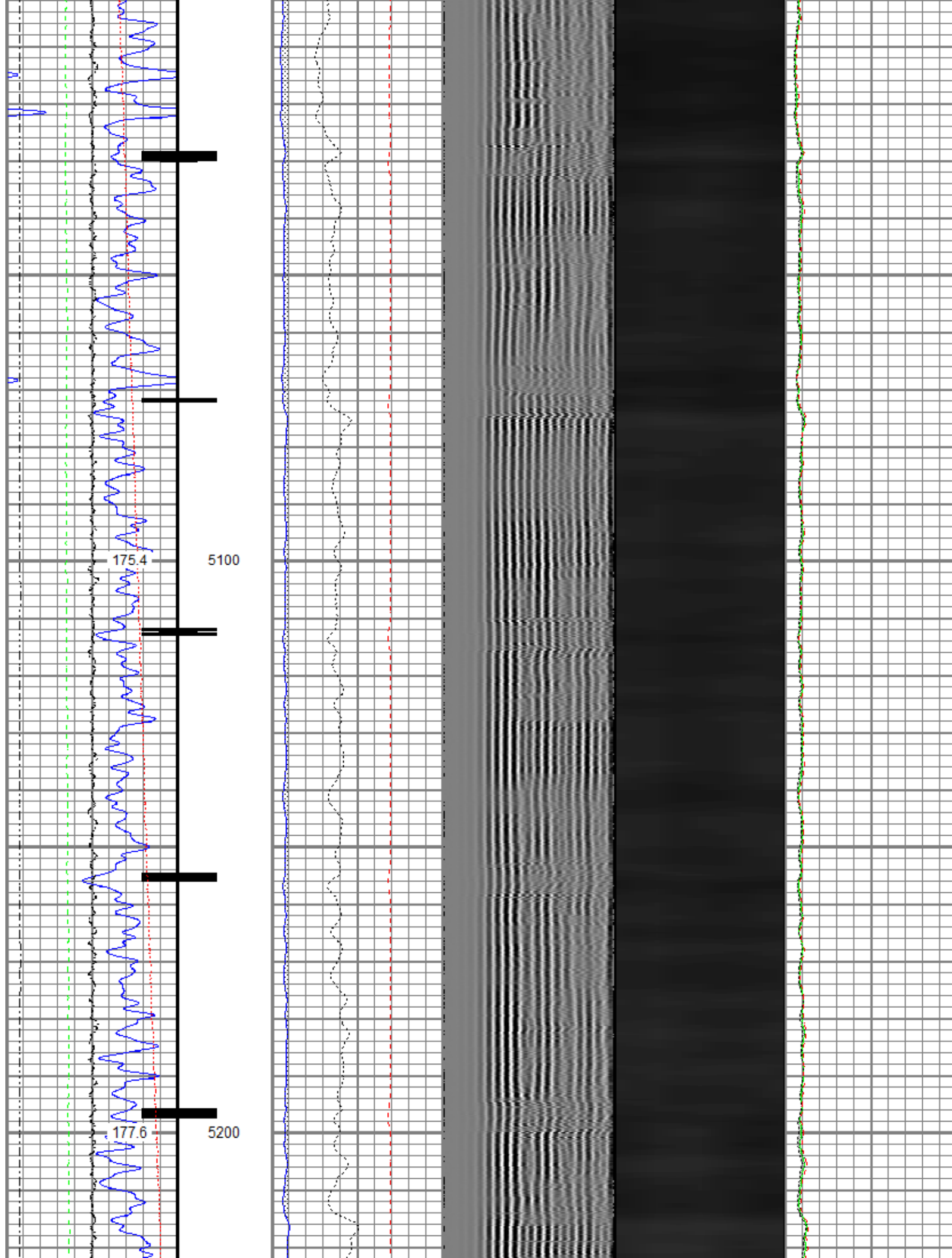


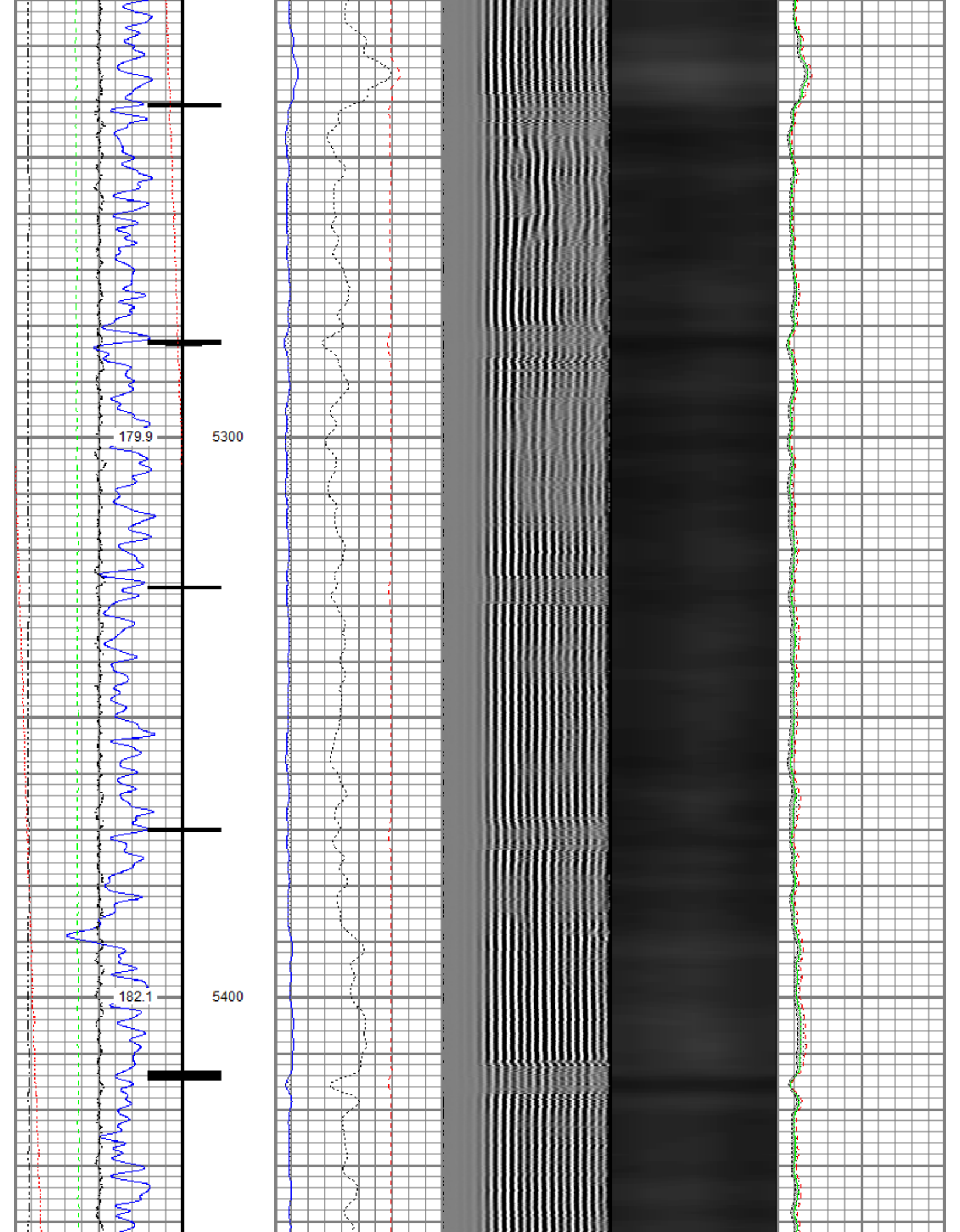


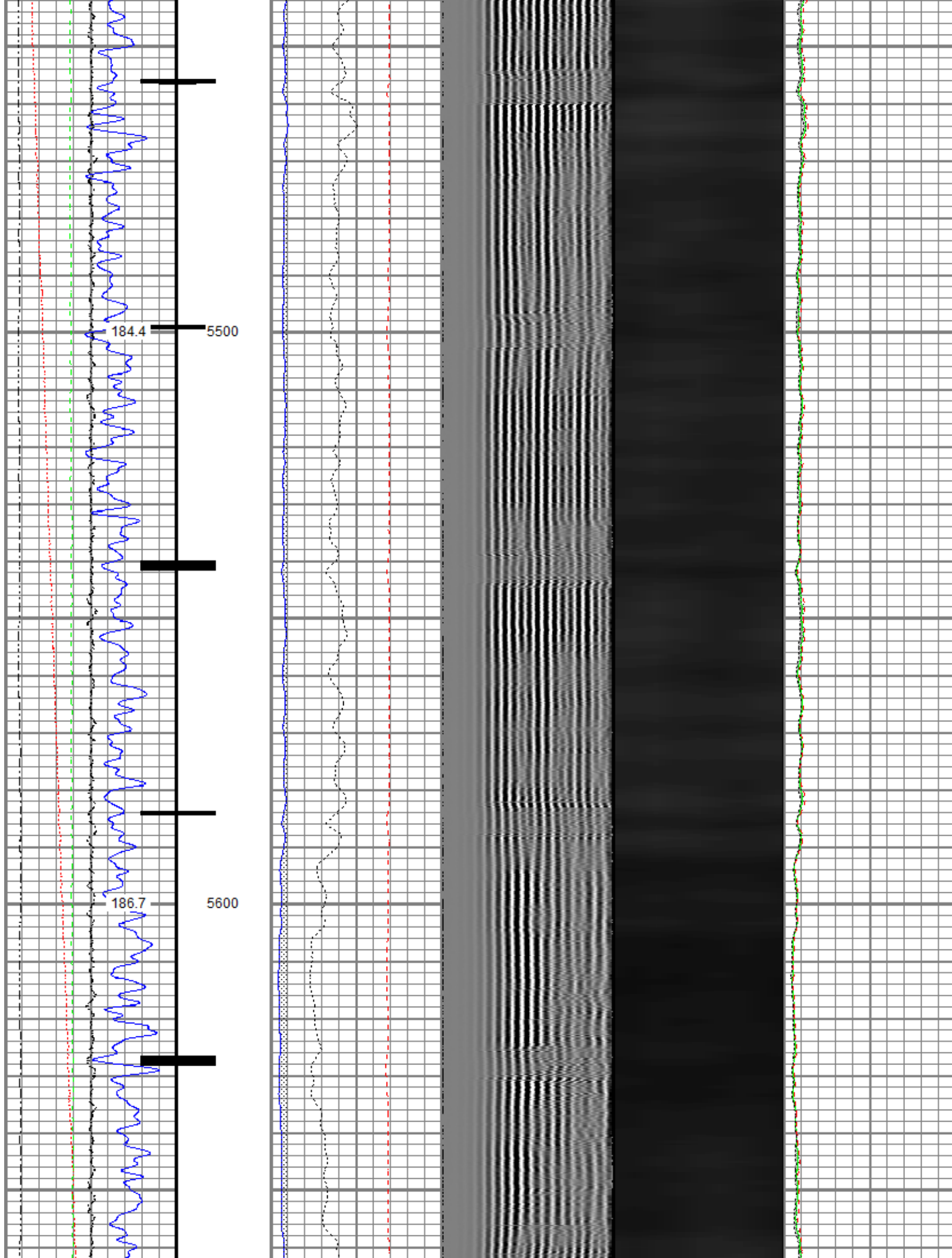


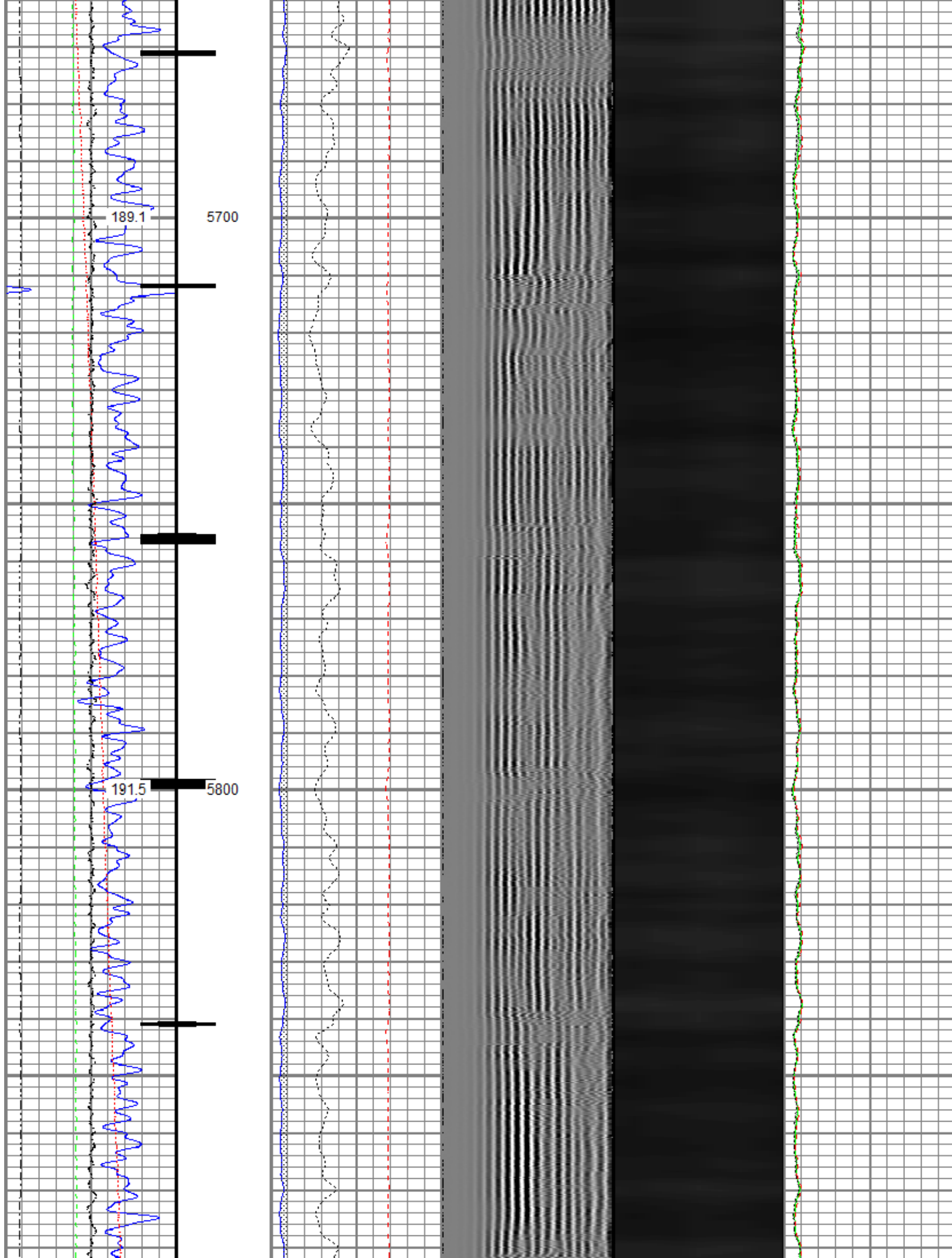


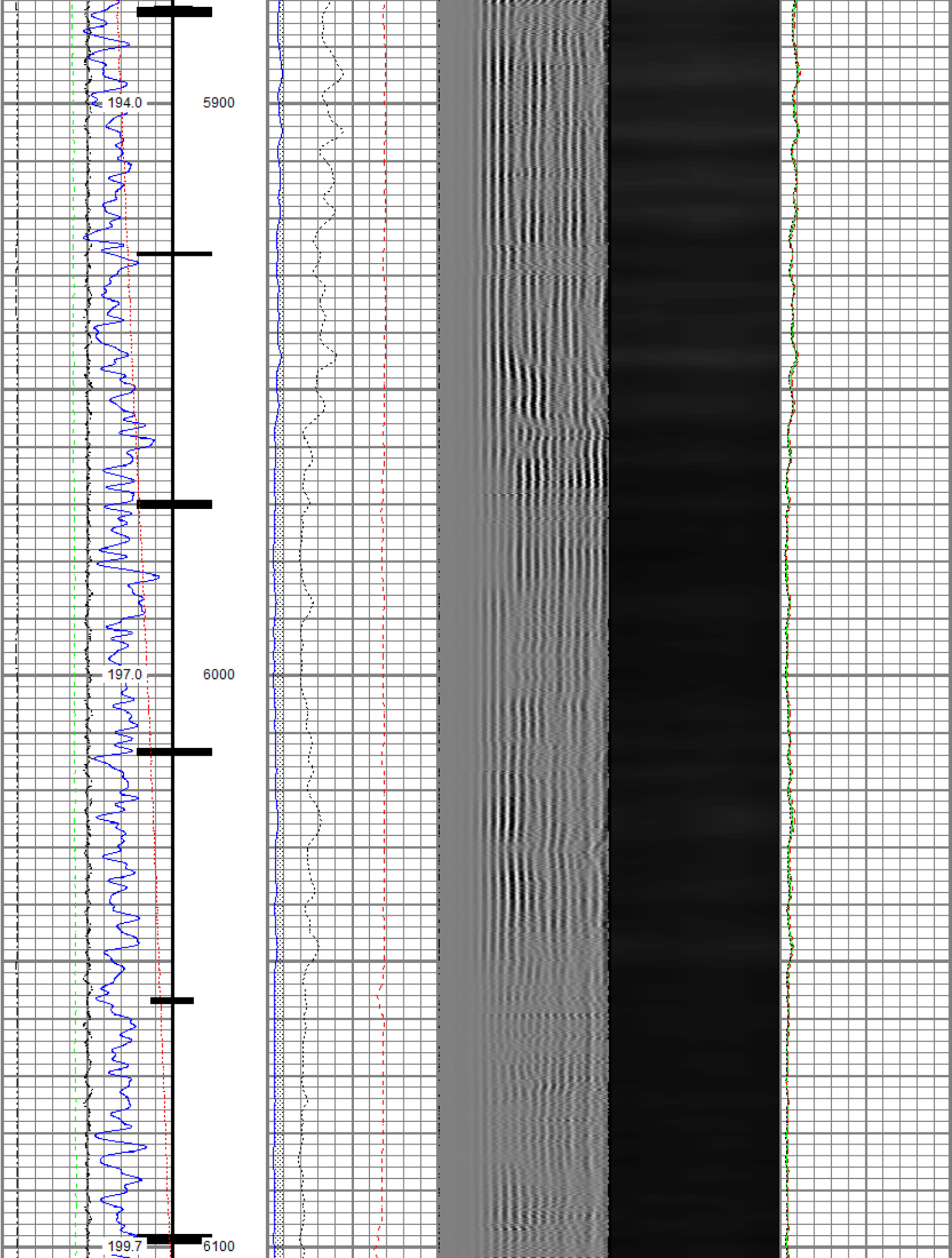


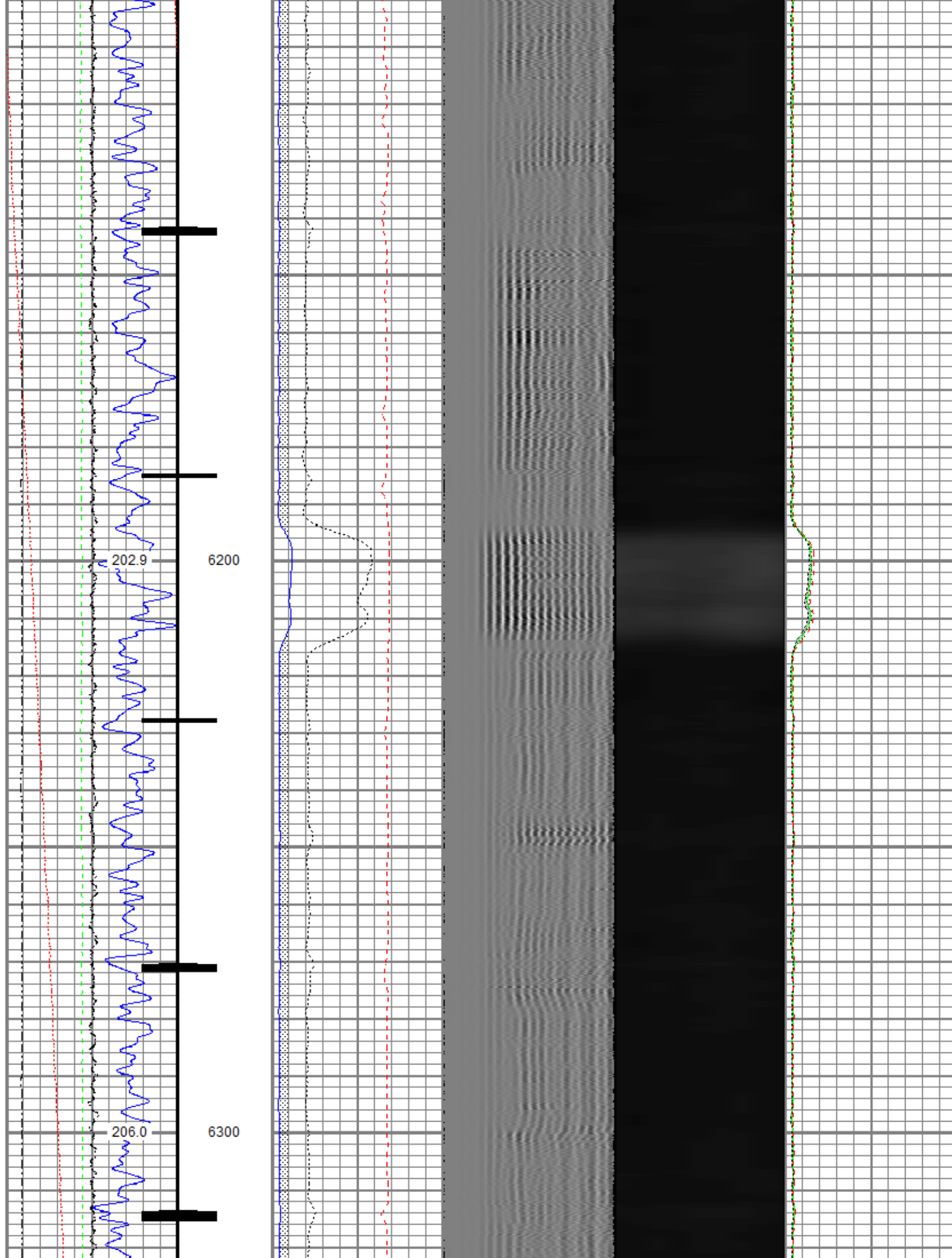


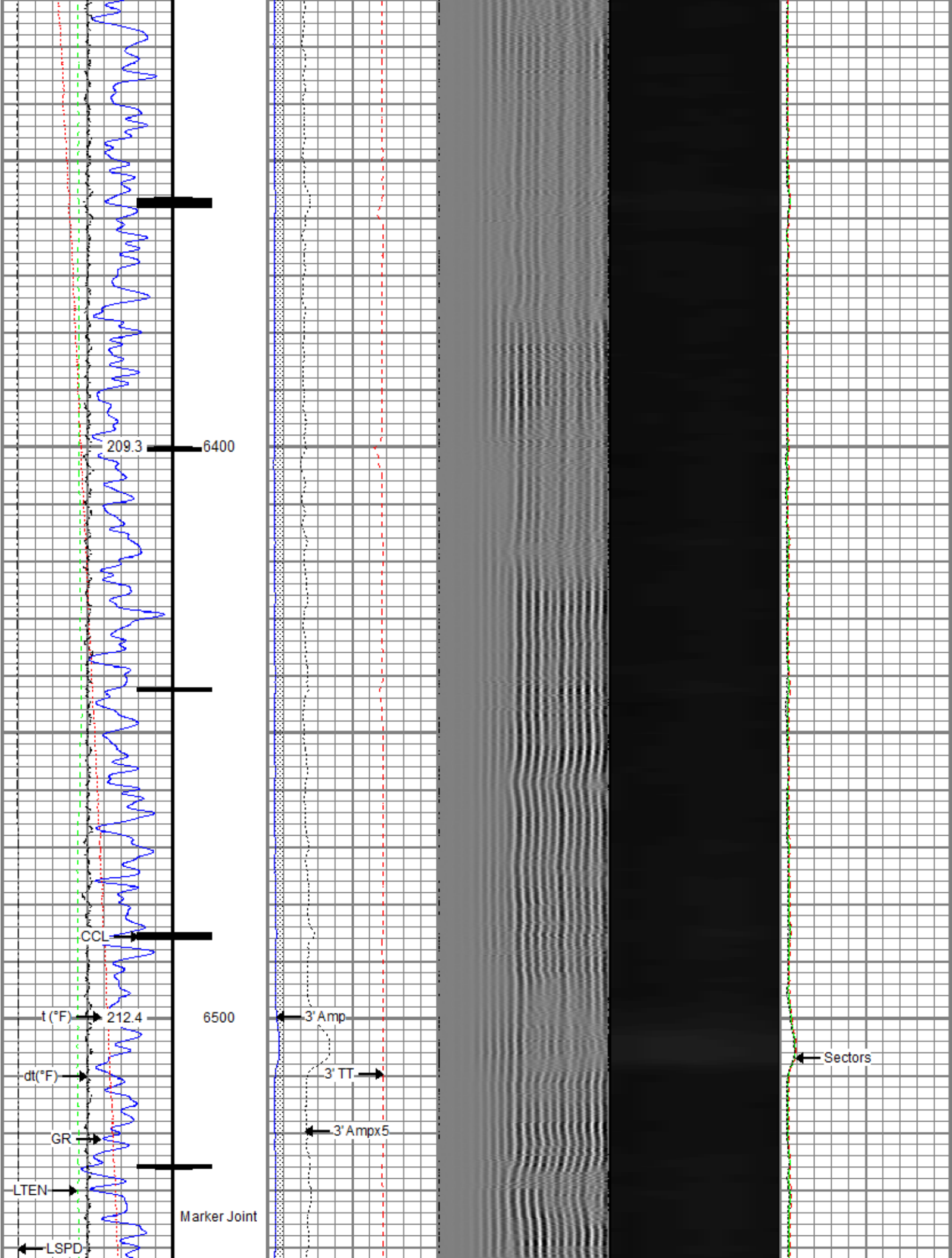


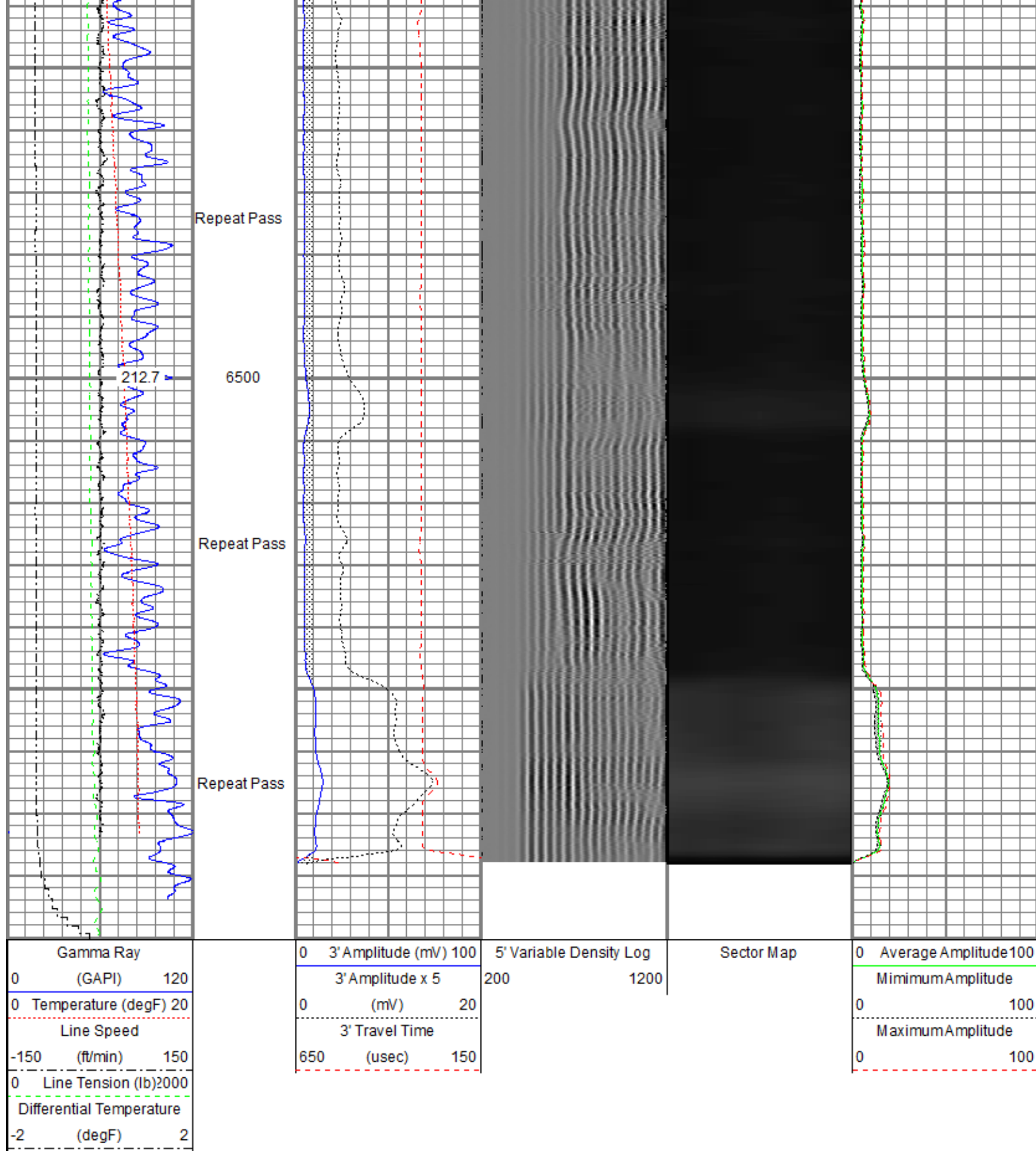




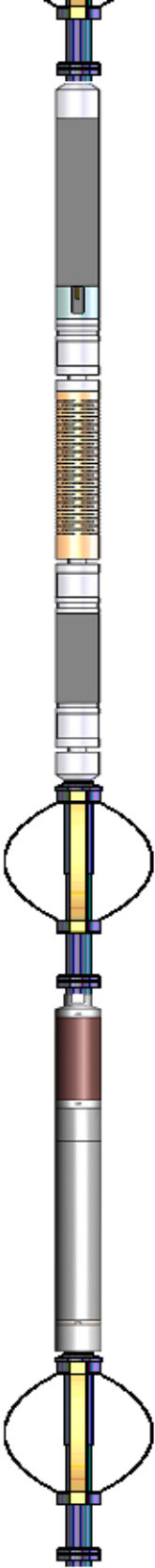








Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Titan CHD-14375 GO Titan 1-7/16" Assembled Electric Cable Head w/ 1" Fishing Neck	1.03	1.44	3.60
			Probe CENT-2750 Probe 2 3/4" Electric In-line Borewing Controller	2.88	2.75	20.00

				Probe 2-3/4" Electric Inline Bowspring Centralizer				
TEMP	17.04							
WVFS8	14.81			Probe Radii-2750 RBT (FW1308-091)	9.39	2.75	105.00	
WVFS7	14.81			Probe 2-3/4" Radial Cement Bond Tool with Integral				
WVFS6	14.81			Temperature Sub				
WVFS5	14.81							
WVFS4	14.81							
WVFS3	14.81							
WVFS2	14.81							
WVFS1	14.81							
WVFCAL	14.81							
WVF3FT	14.81							
WVF5FT	13.81							
HEADVOLT	10.56			Probe CENT-2750	2.88	2.75	20.00	
				Probe 2-3/4" Electric Inline Bowspring Centralizer				
CCL\$2	6.80							
CCL\$1	6.80							
GR	5.46			Probe GR-CCL-2750 6PB (101001)	4.80	2.75	55.00	
				Probe 2-3/4" rev.1 Digital Scintillation Gamma				
				Ray/CCL Combined with 6 Pin Bottom for CNT				
				Probe CENT-2750	2.88	2.75	20.00	
				Probe 2-3/4" Electric Inline Bowspring Centralizer				
Dataset: PROCESSED_0512346263_Anadarko_Quarter Circle 24-6HZ_RBL_07-14-18_2800 PSI.db: field/well/run1/pass4								
Total length: 23.86 ft								
Total weight: 223.60 lb								
O.D.: 2.75 in								

Calibration Report	
Database File	C:\ProgramData\Warrior\Data\Anadarko\0512346263_Anadarko_Quarter Circle 24-6HZ_RBL_07-14-18\PROCESSED_0512346
Dataset Pathname	pass4
Dataset Creation	Sat Jul 14 08:55:44 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: FW1308-091
Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
Calibration Depth: 33.896 ft

Master Calibration, performed Sat Jul 14 06:55:18 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.676	0.800	71.921	105.914	0.360
CAL	0.004	0.727				
5'	0.004	0.609	0.800	71.921	117.649	0.299
SUM						
S1	0.004	0.673	0.000	100.000	149.364	-0.562
S2	0.004	0.681	0.000	100.000	147.721	-0.613
S3	0.004	0.685	0.000	100.000	146.892	-0.572
S4	0.004	0.680	0.000	100.000	147.929	-0.655
S5	0.004	0.682	0.000	100.000	147.444	-0.621
S6	0.005	0.687	0.000	100.000	146.579	-0.669
S7	0.004	0.682	0.000	100.000	147.532	-0.616
S8	0.004	0.683	0.000	100.000	147.253	-0.602

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.727	1.000	0.000

Air Zero Calibration, performed Sat Jul 14 06:55:43 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: FW1308-091
Tool Model: 2750 RBT
Performed: Sun Nov 12 13:50:54 2017

	Reference	Reading
Low Reference:	100.00 degF	104.72 degF
High Reference:	350.00 degF	392.24 degF
Gain:	0.87	
Offset:	8.94	
Delta Spacing	1	



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Quarter Circle 24-6HZ
Field	Wattenberg
County	Weld
State	Colorado