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Comments

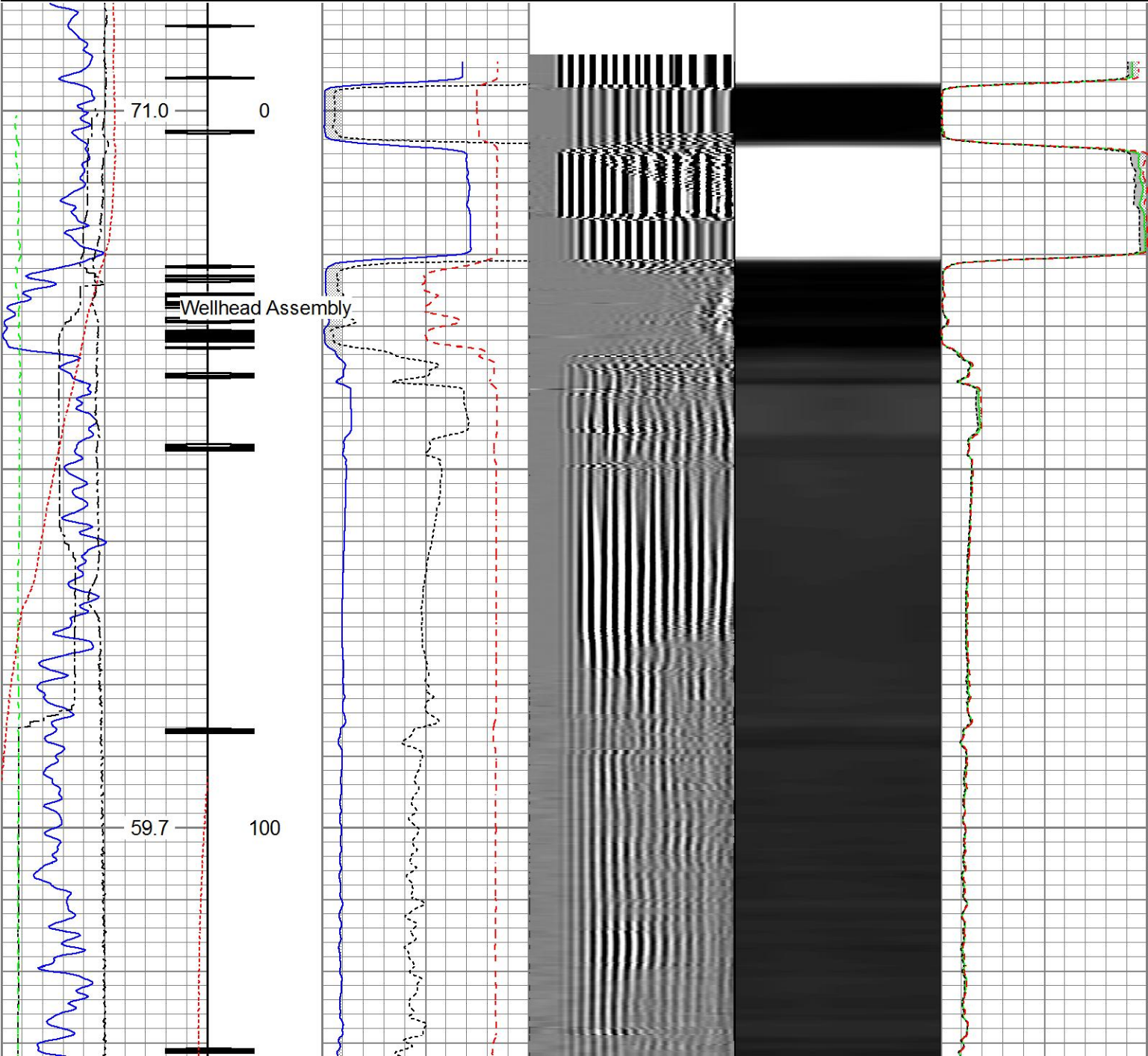
Log ran as per customer request
Depth referenced to Casing Tally reported Marker Joint at 6598 FT
Adjusted +5 FT to correlate with Marker Joint
Gauge Ring/Junk Basket ran to 7445 FT with no debris
Retrievable Bridge Plug set at 6650 FT
Log ran from just above RBP to surface
Log ran with 2800 PSI surface induced pressure
Logging tools were clean and free of any debris upon completion of operations

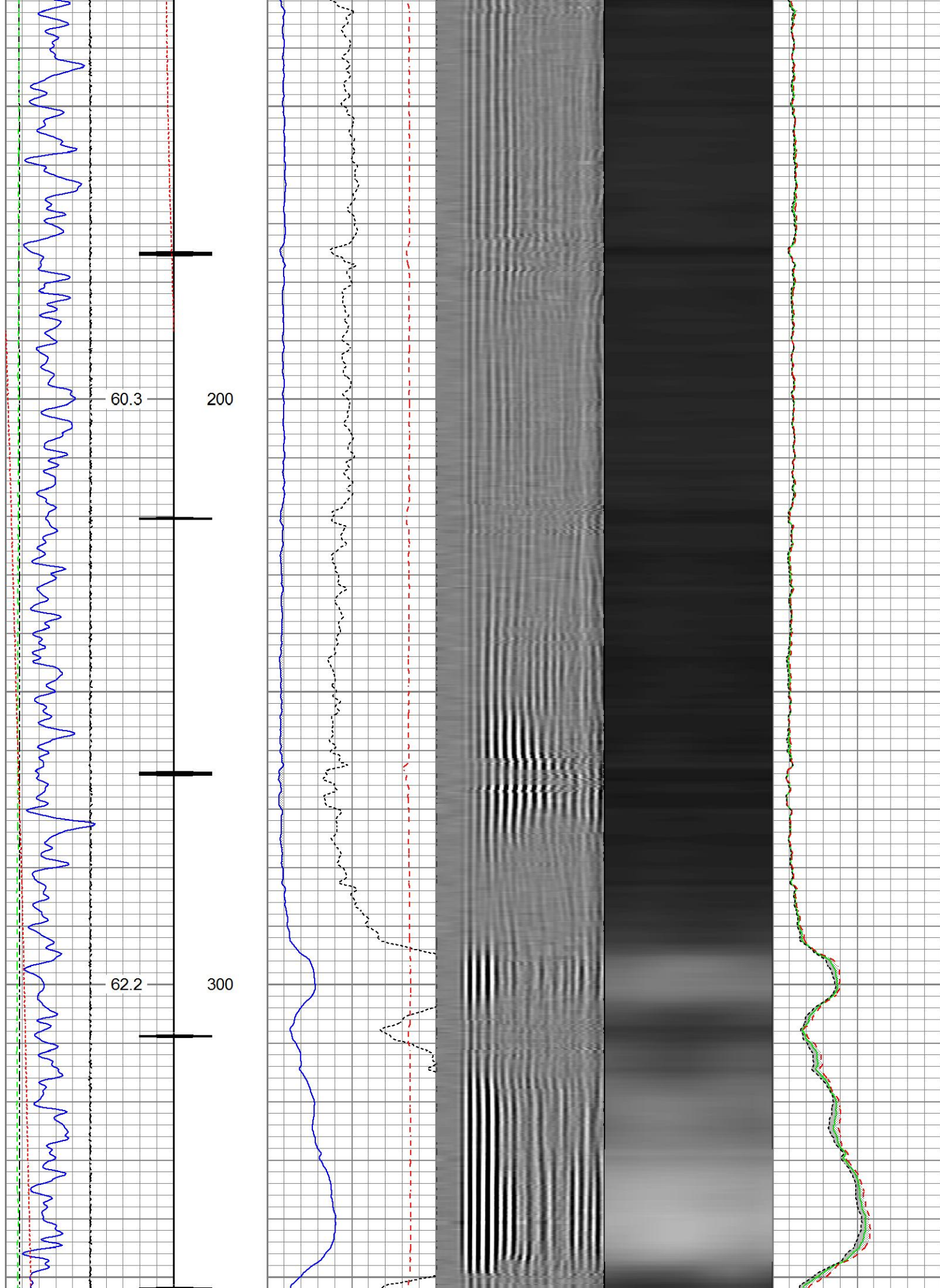
Thank you for choosing Reliance Oilfield Services, LLC!!

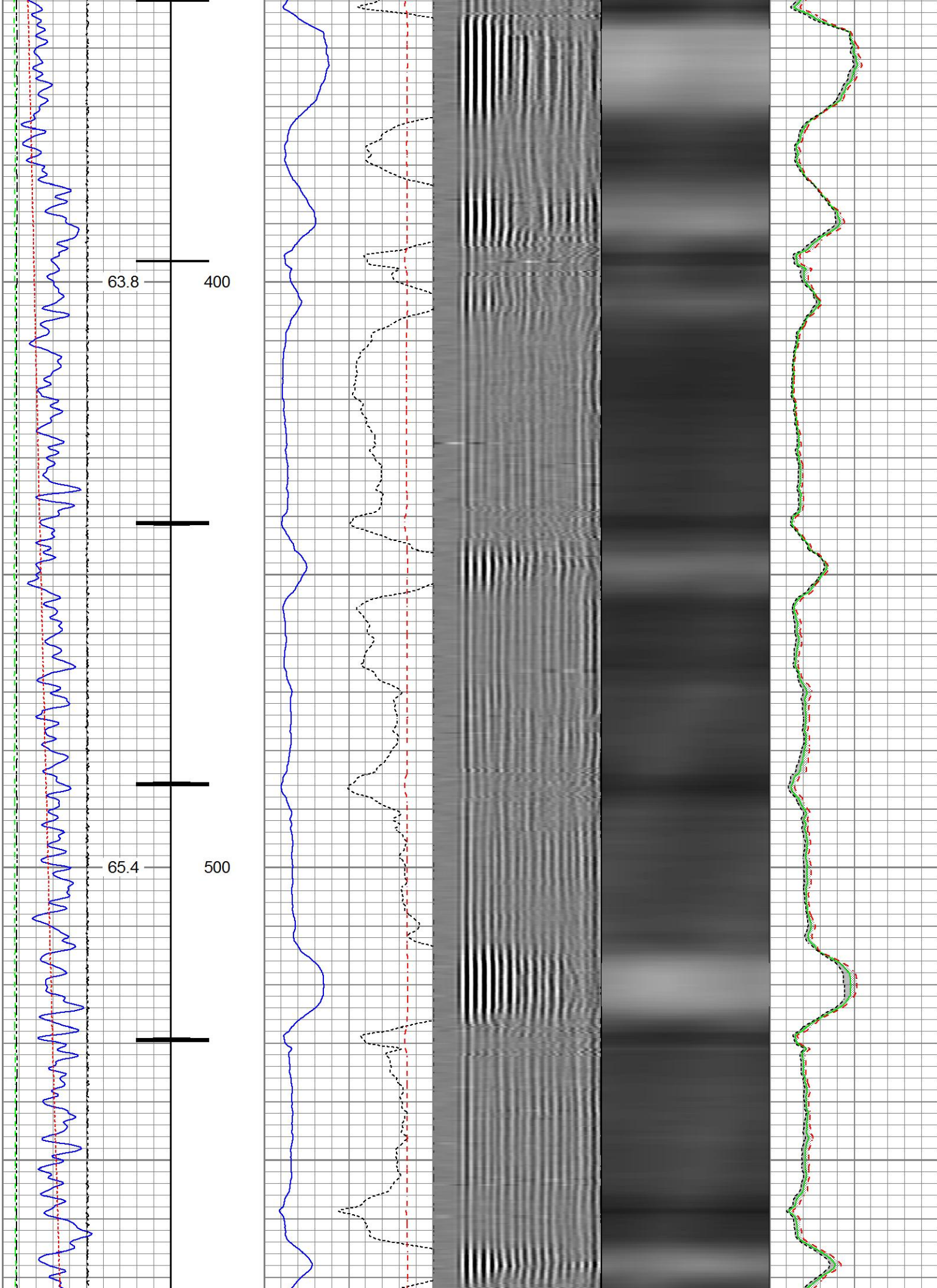


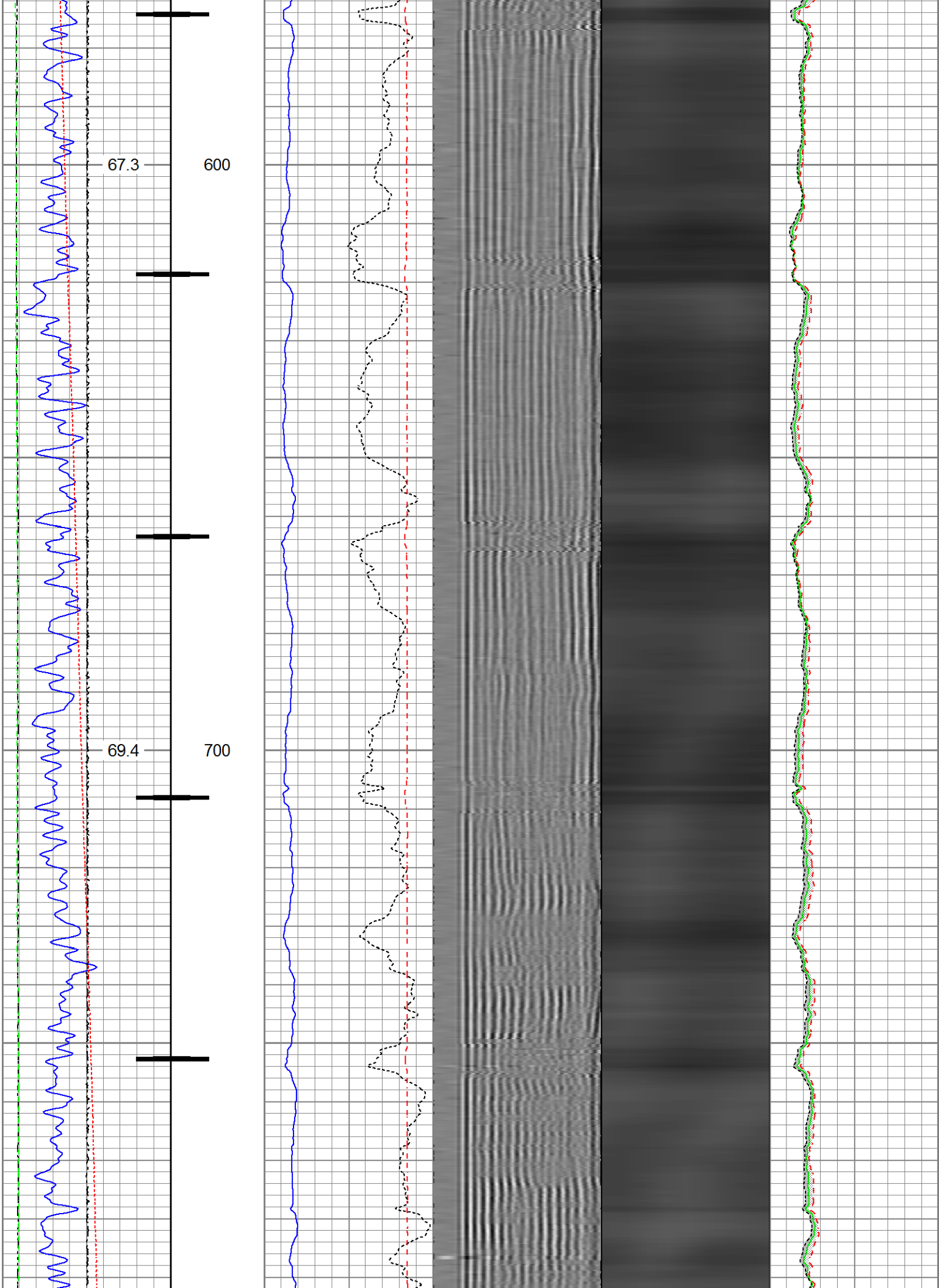
Recorded With 2800PSI Surface Induced Pressure

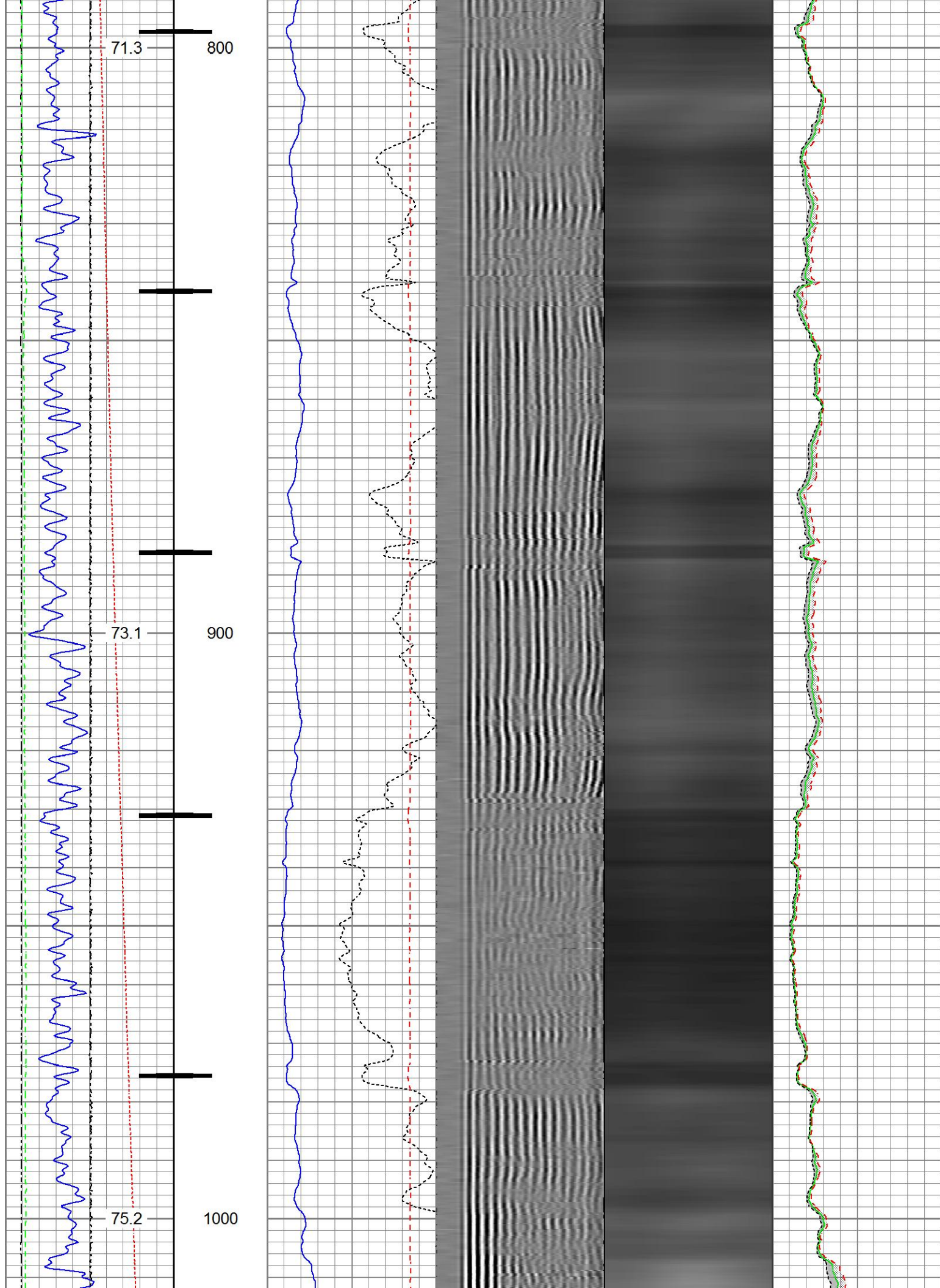
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-150 (ft/min) 150	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000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

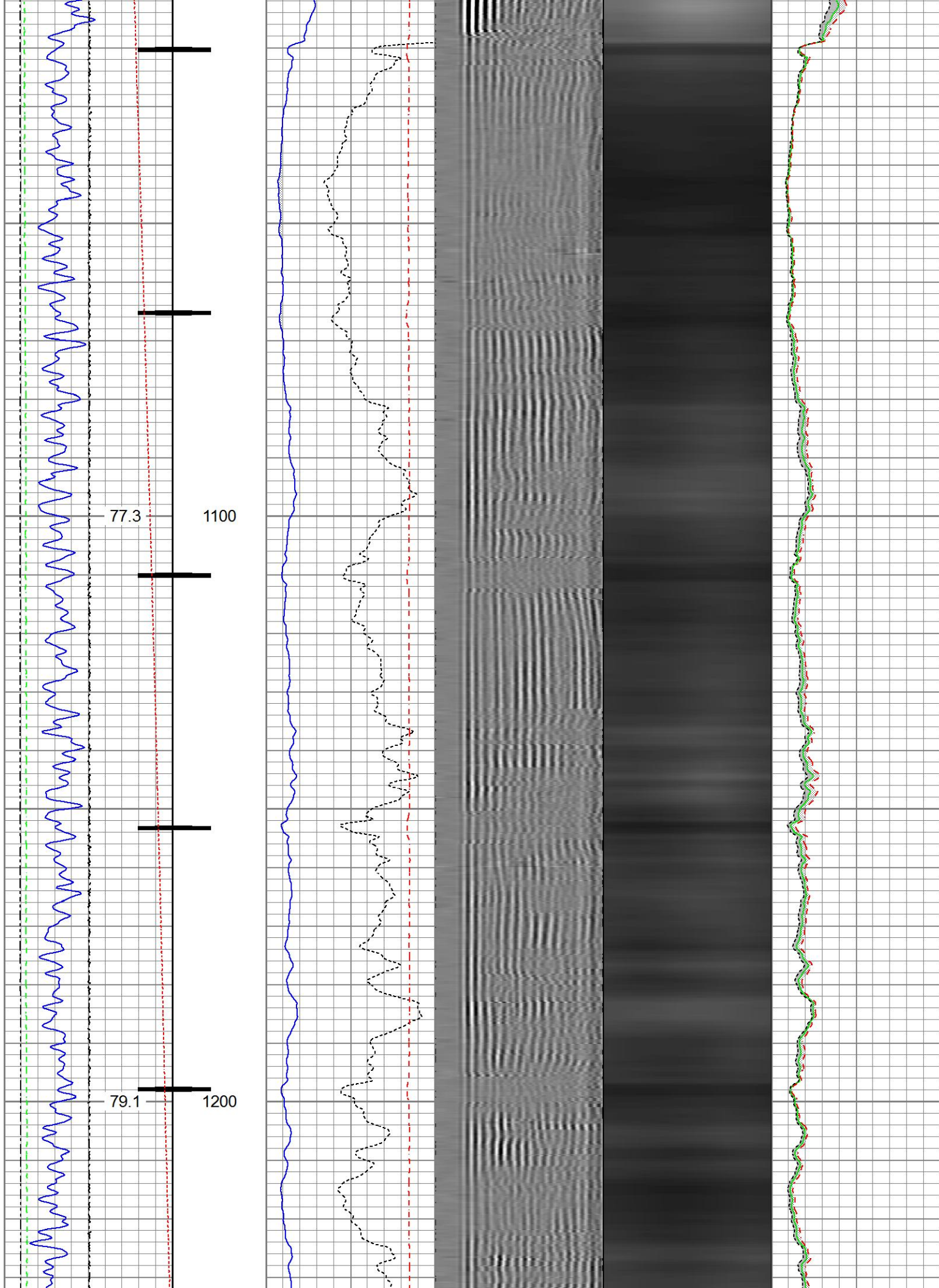


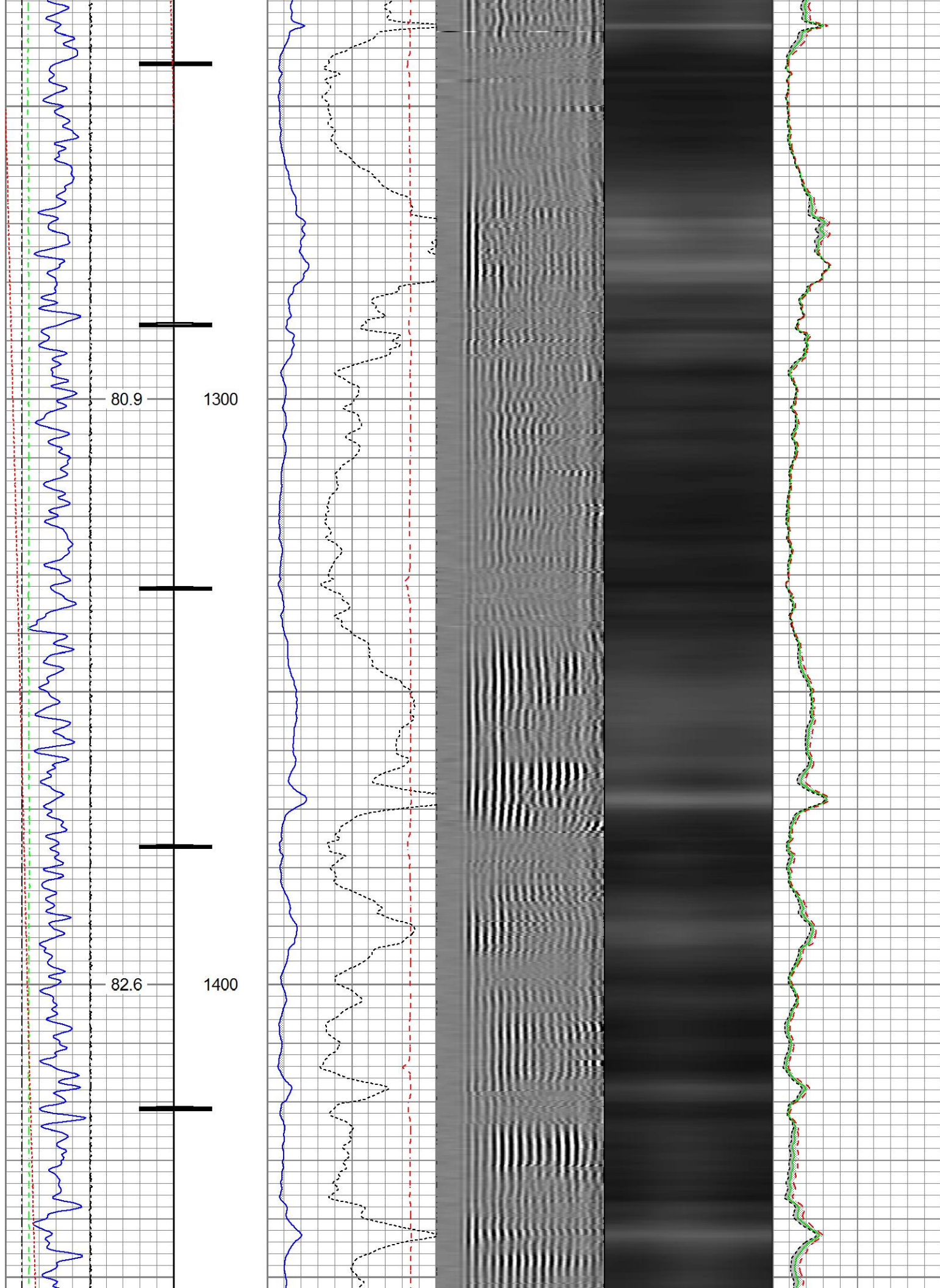


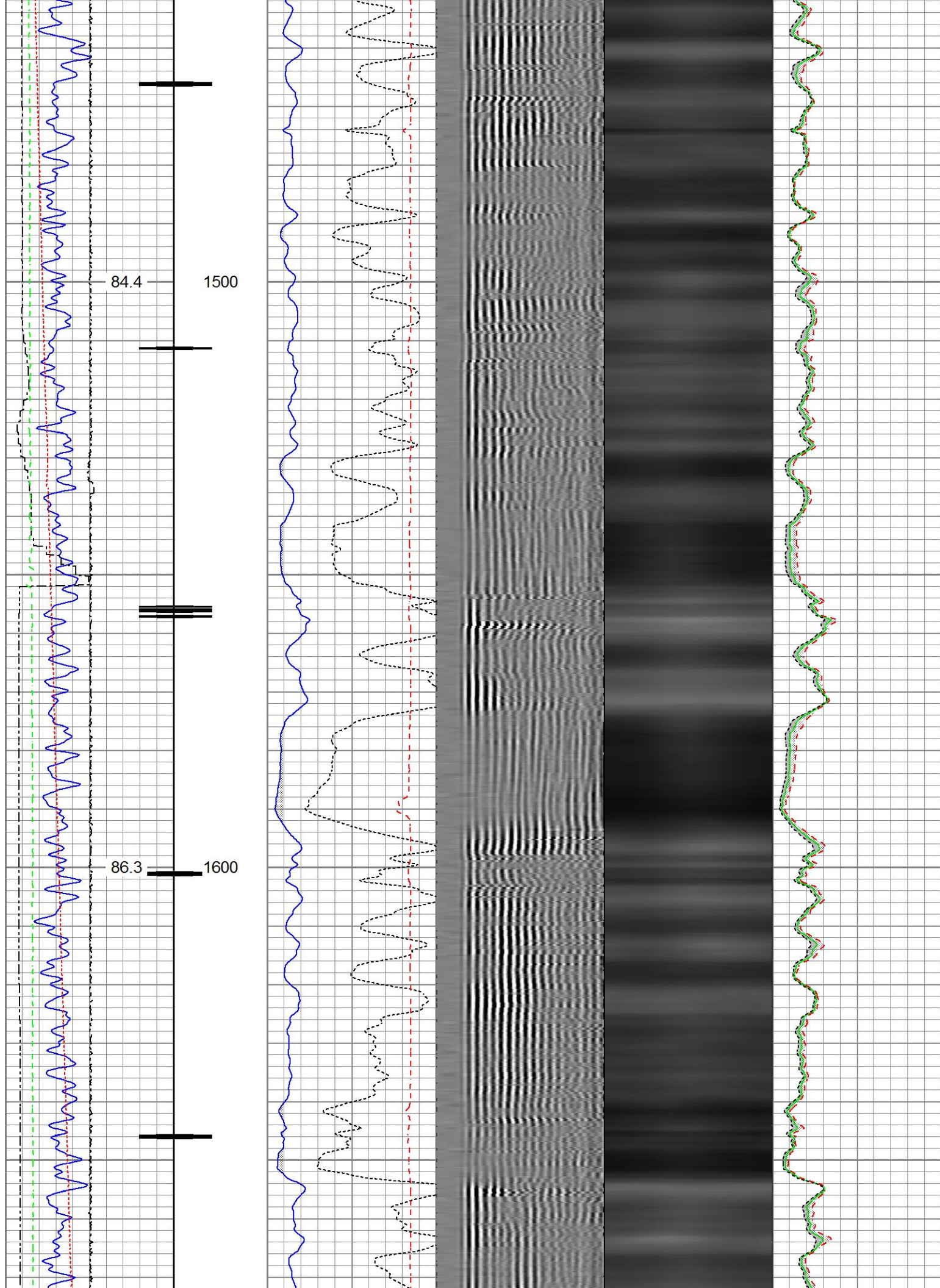


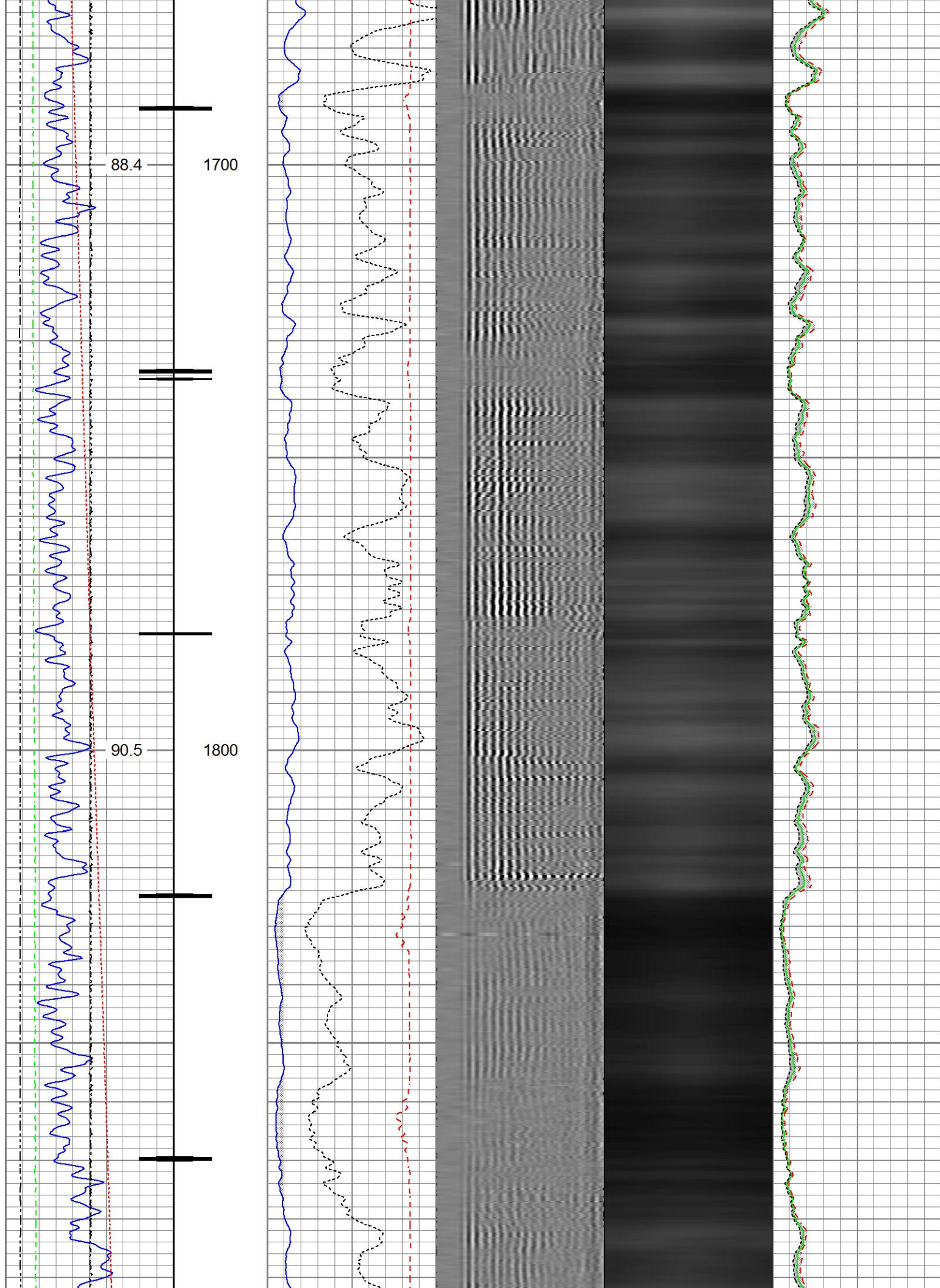


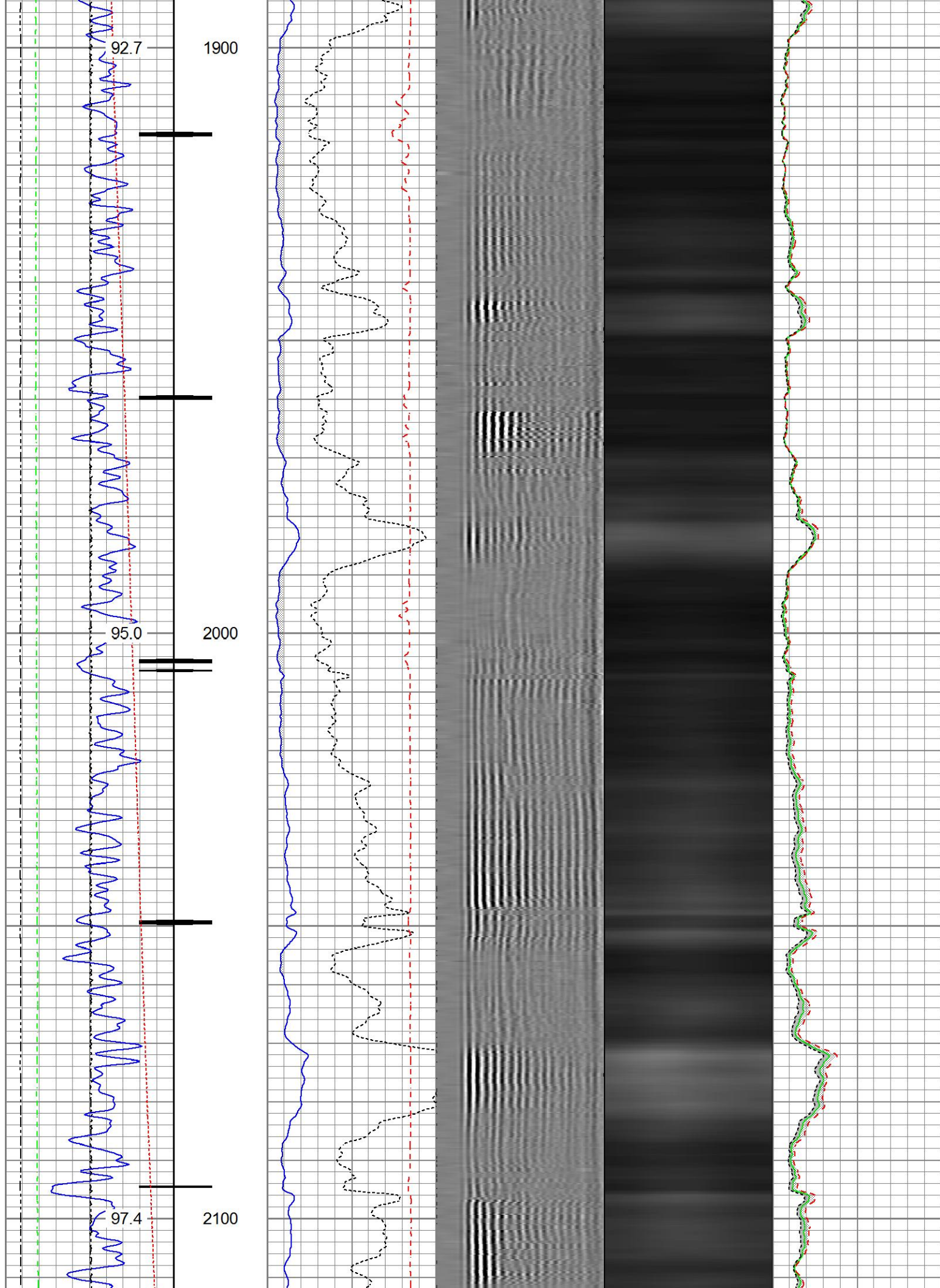


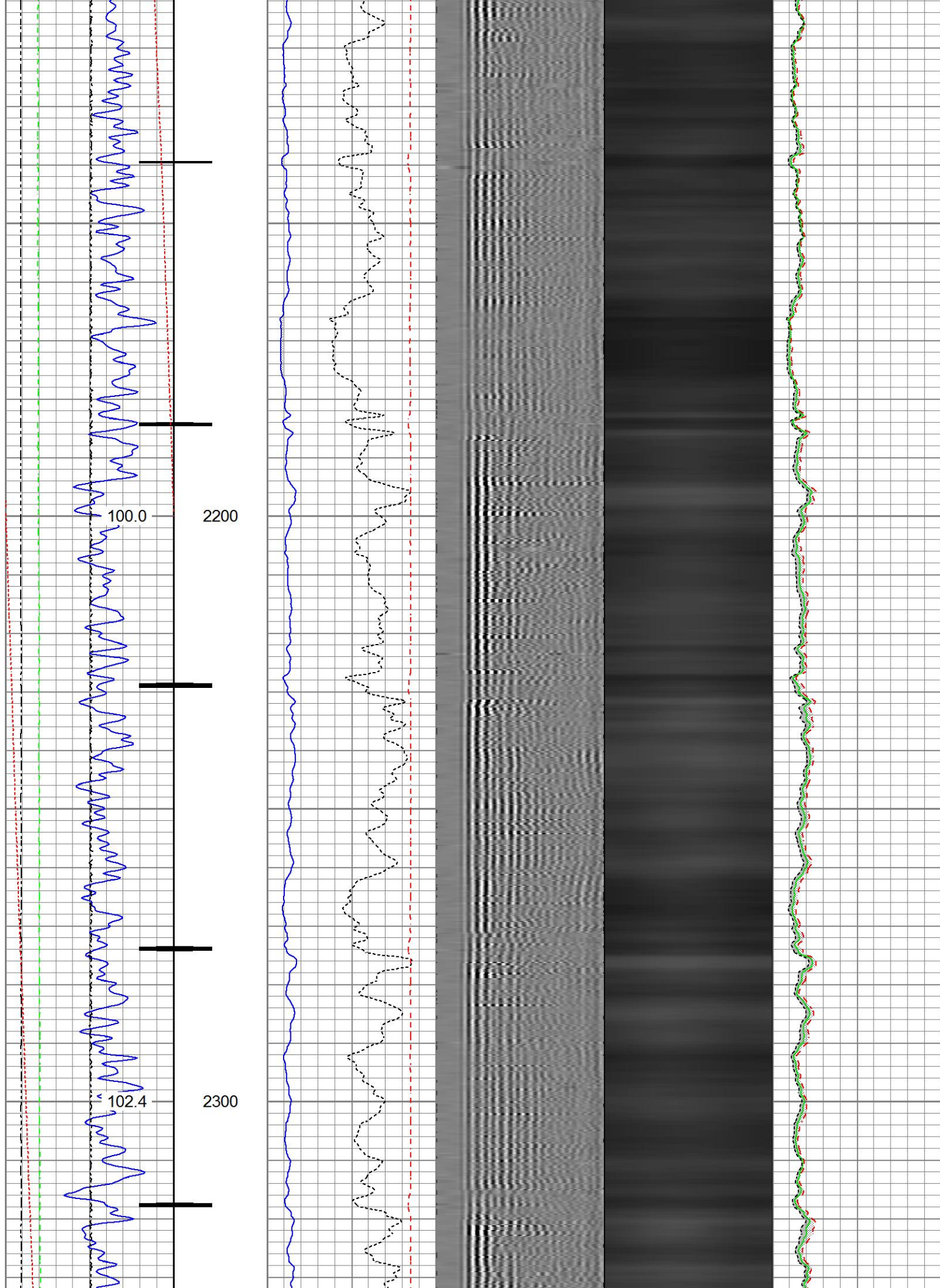


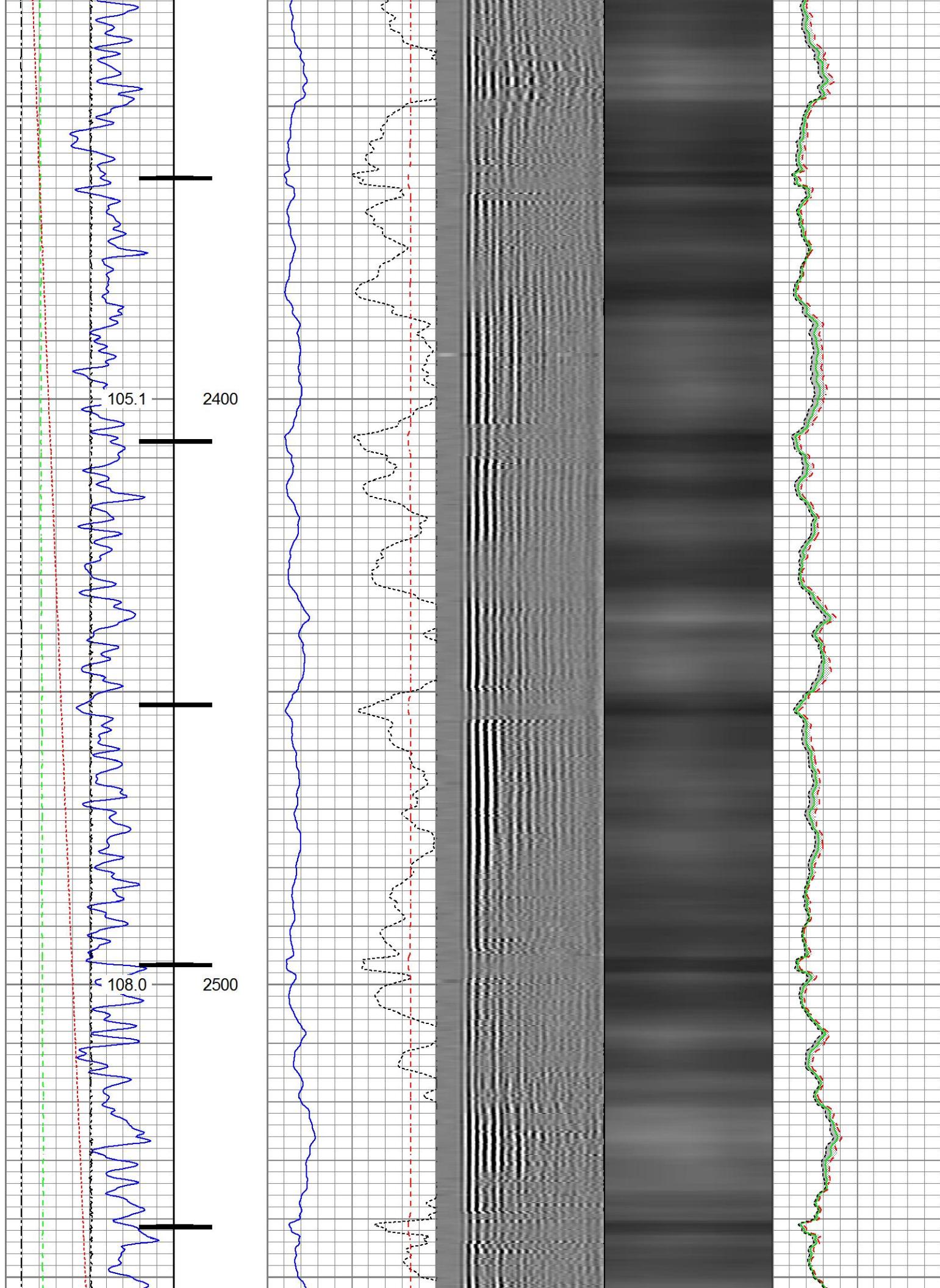


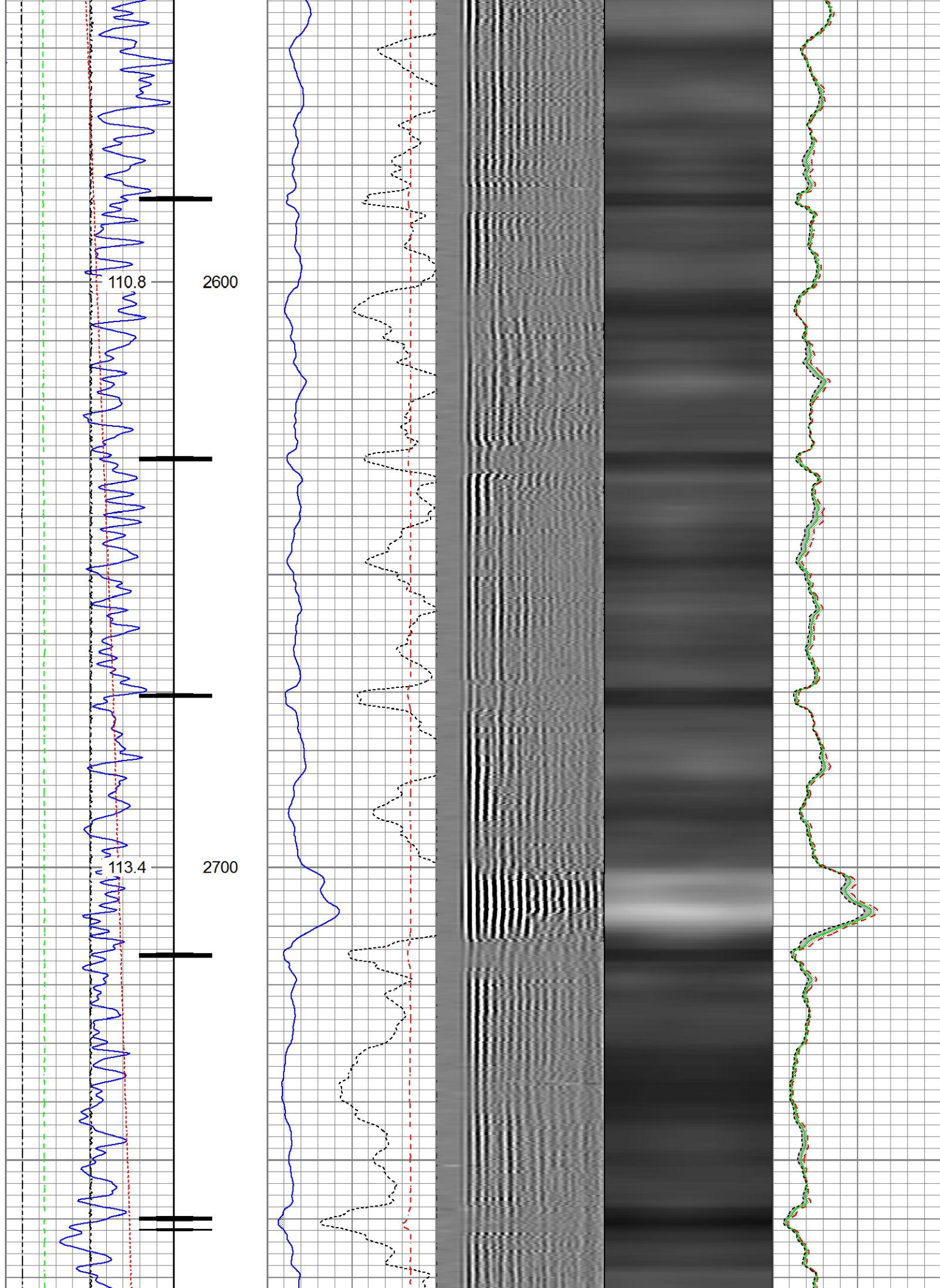


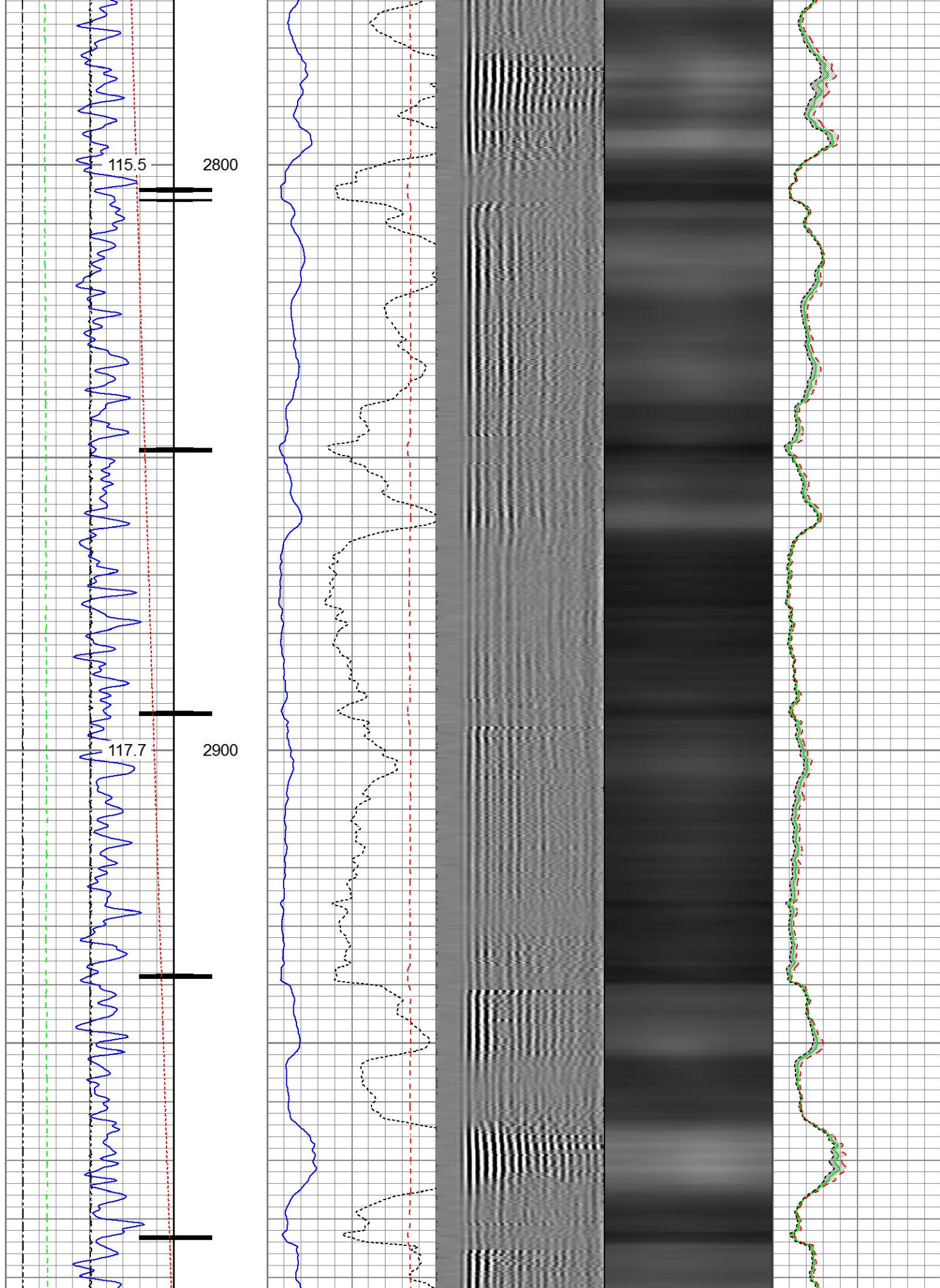


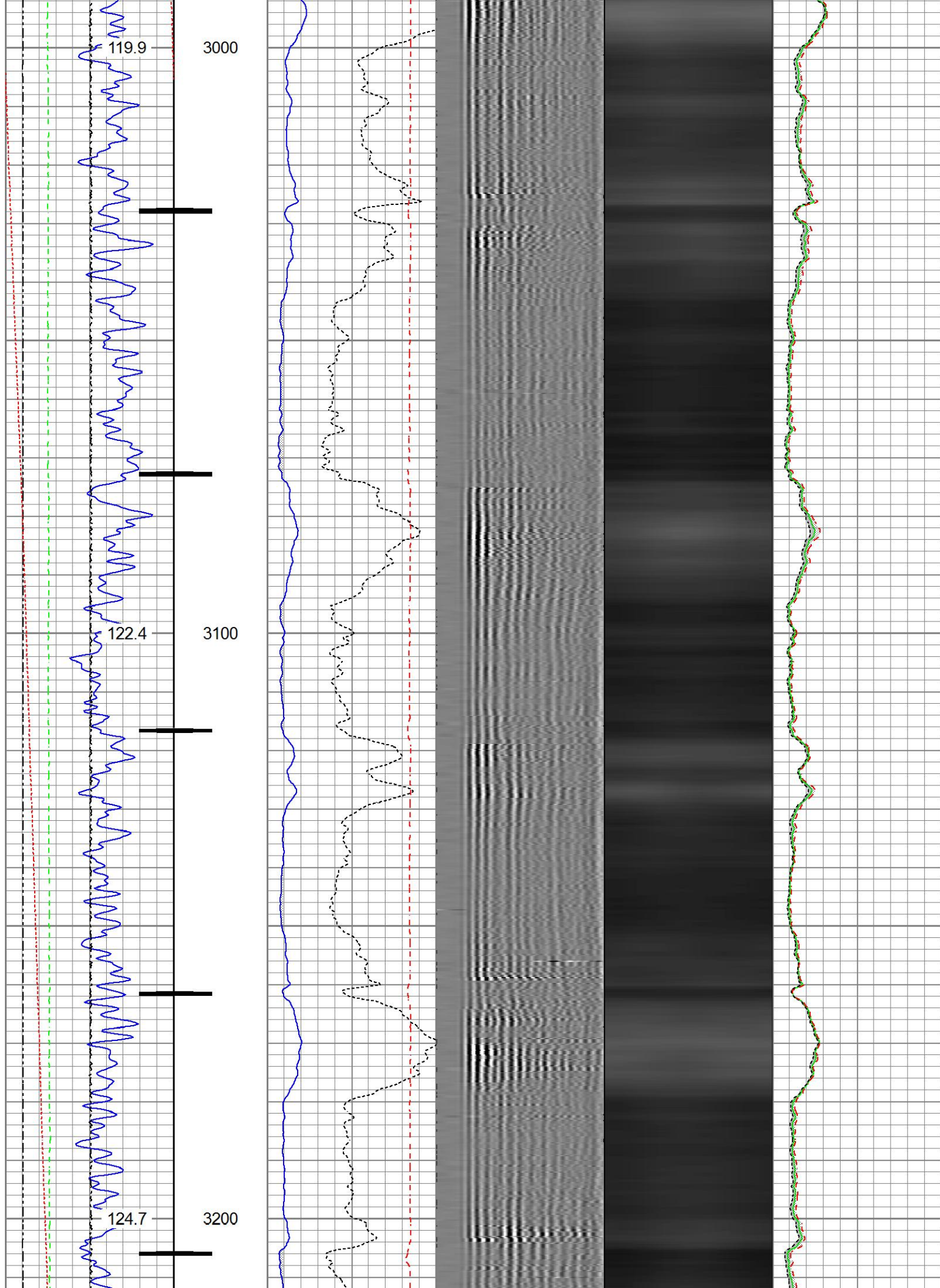


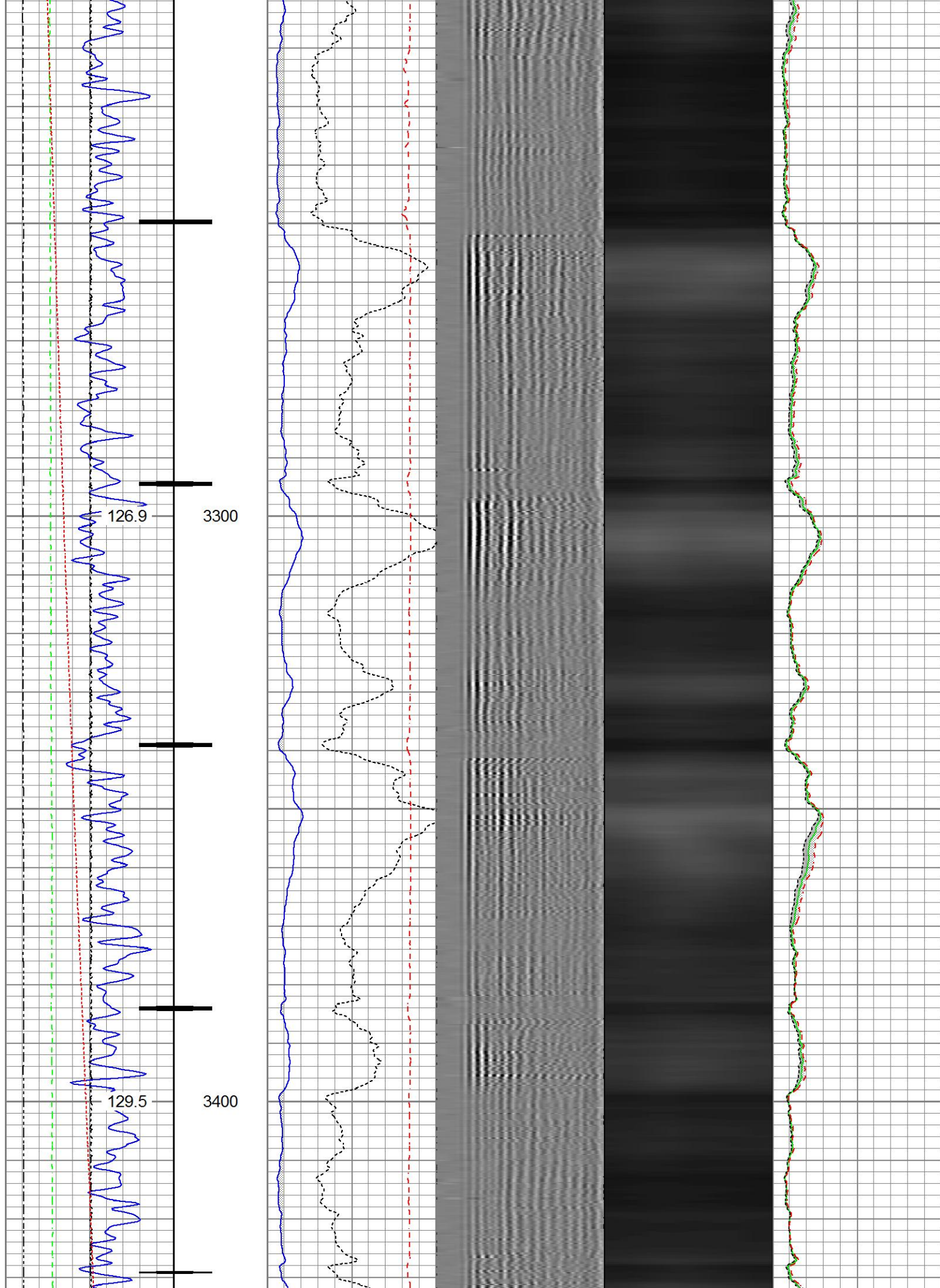


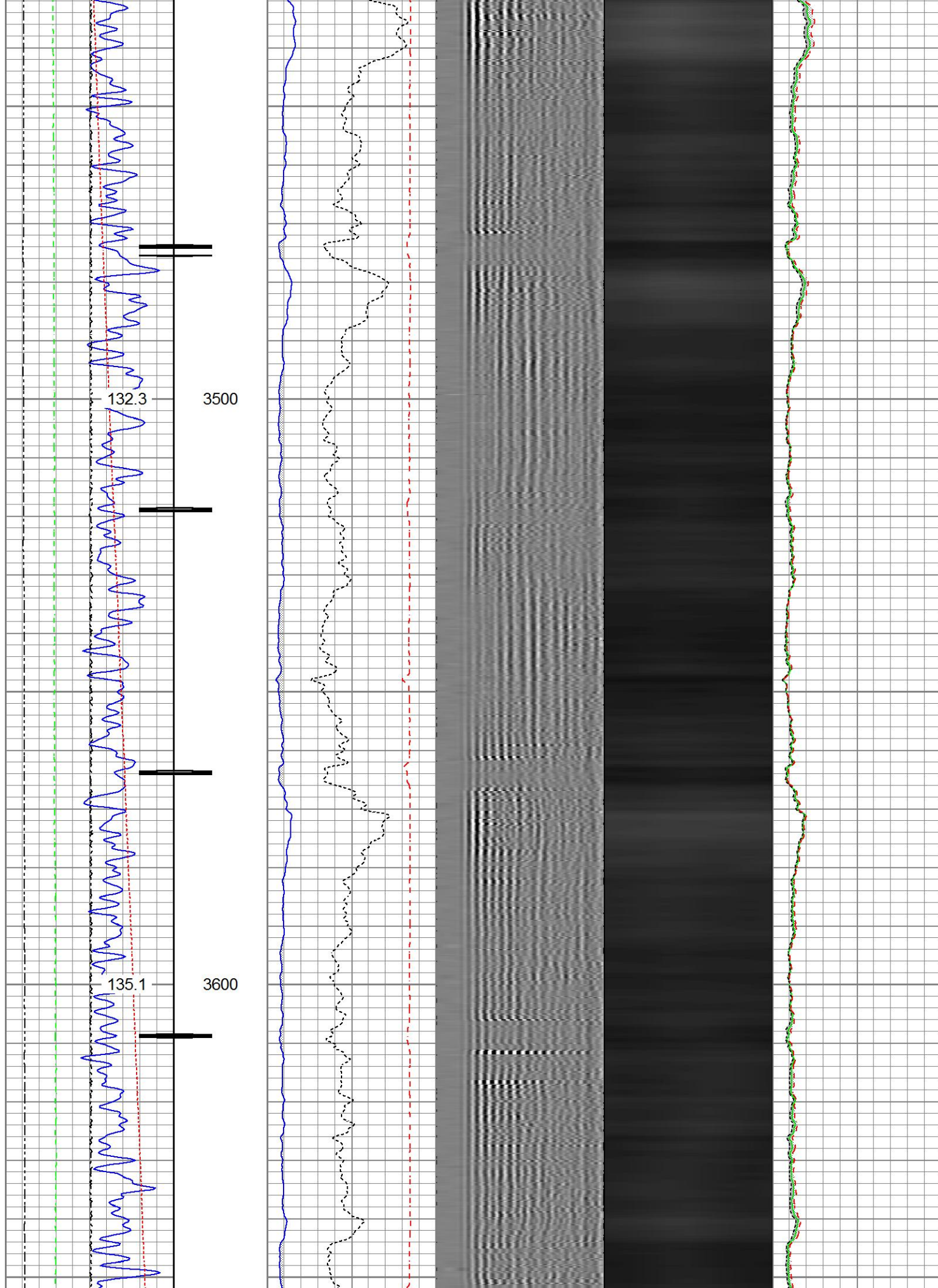


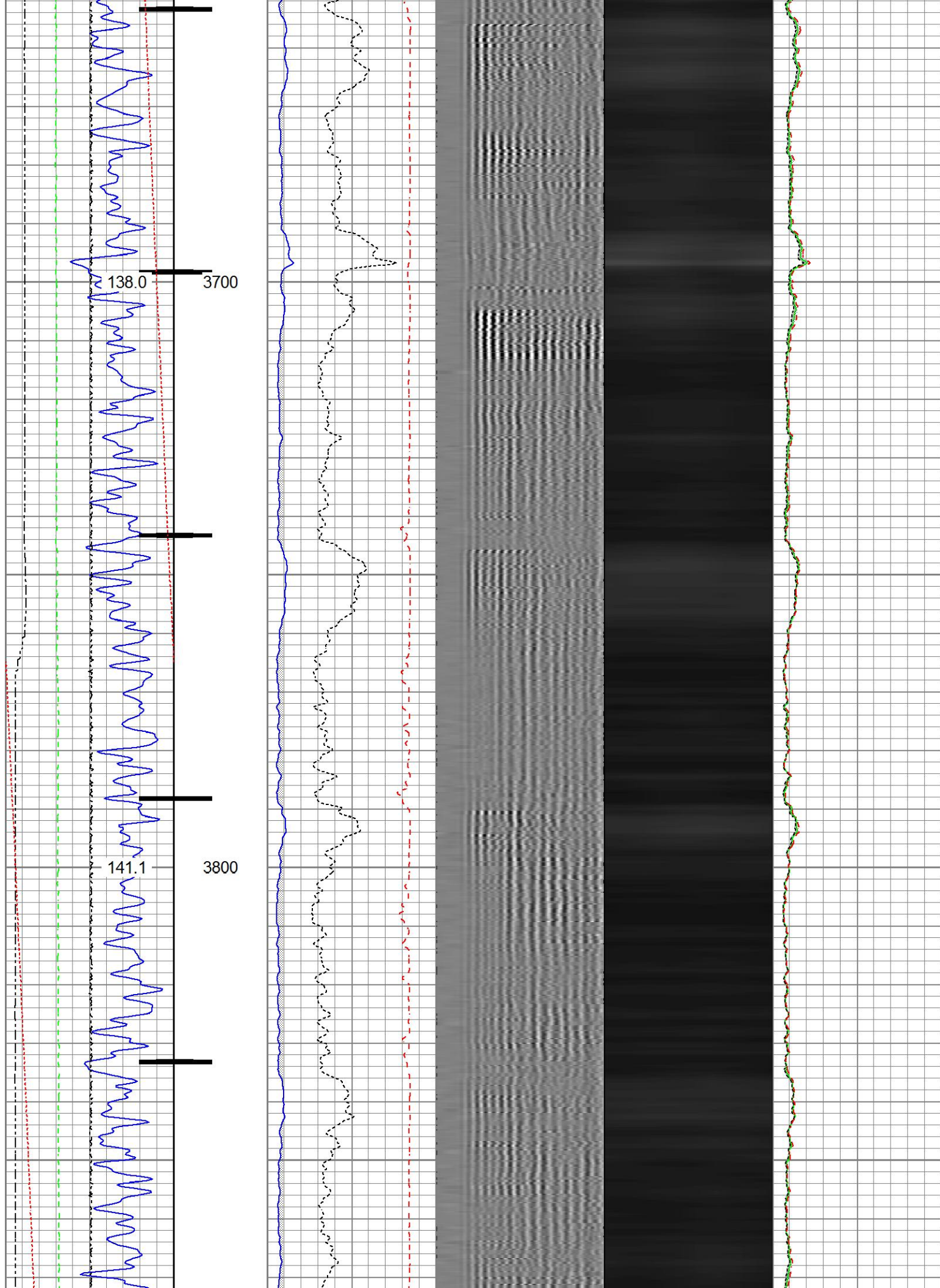


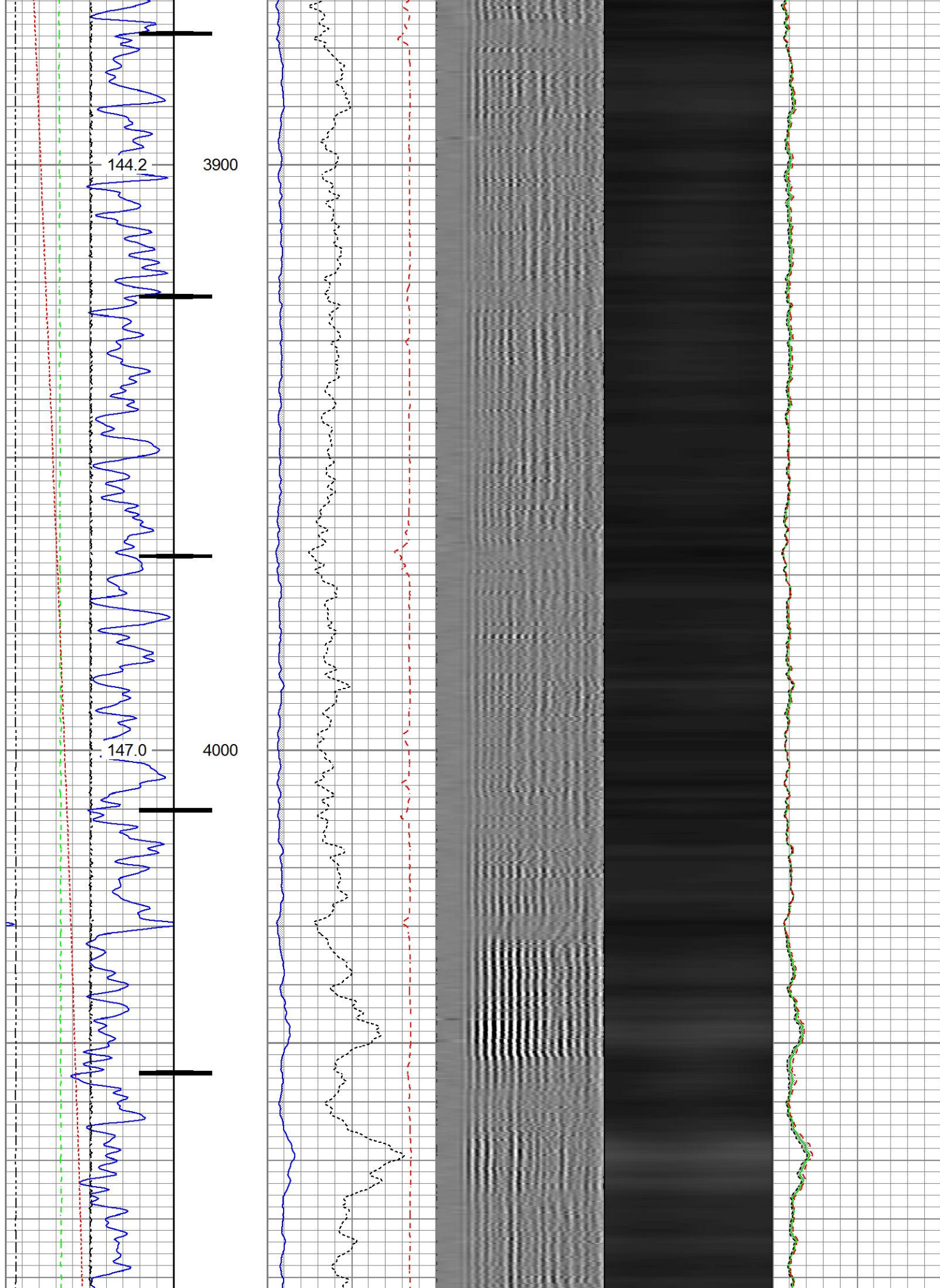


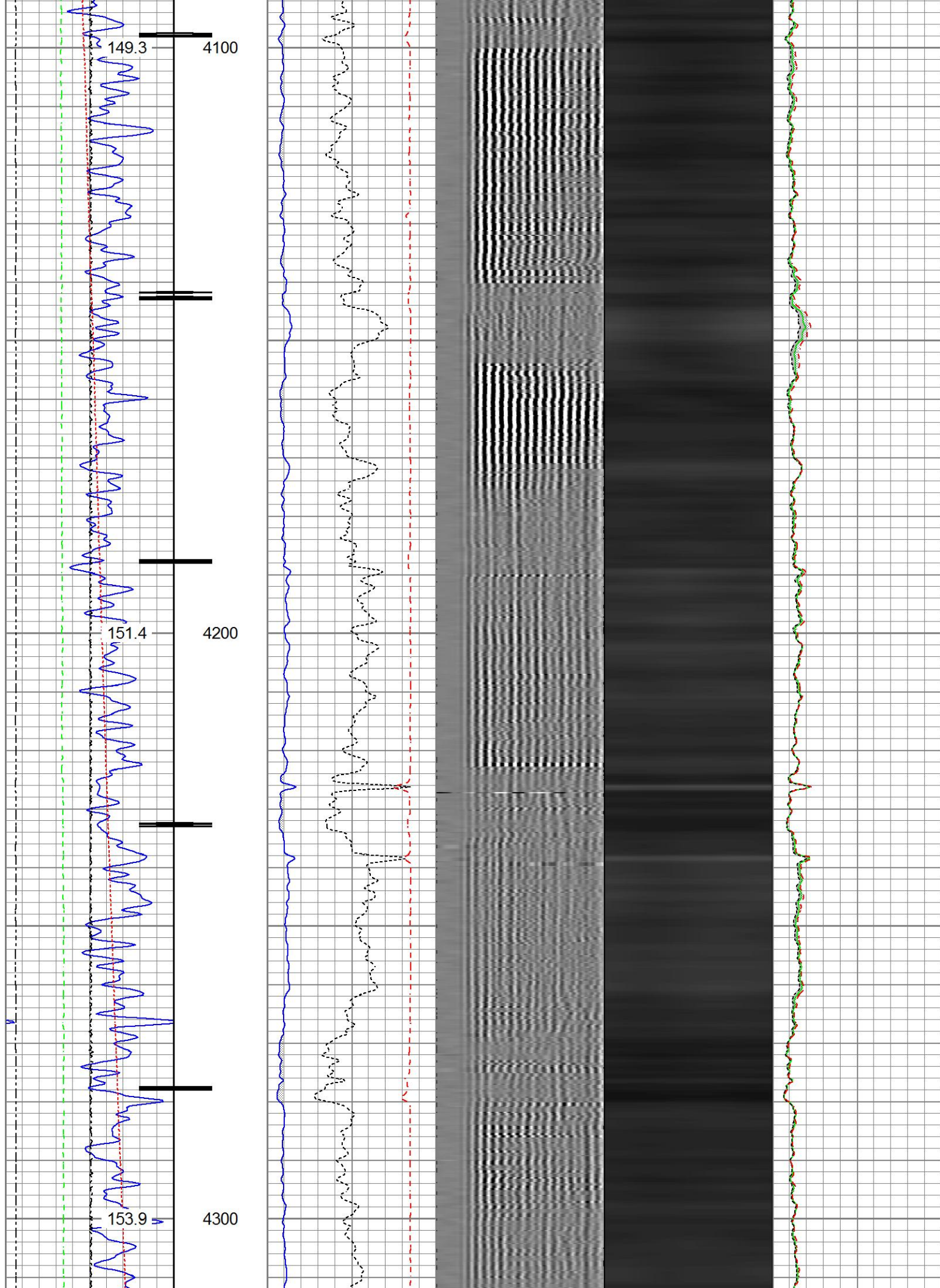


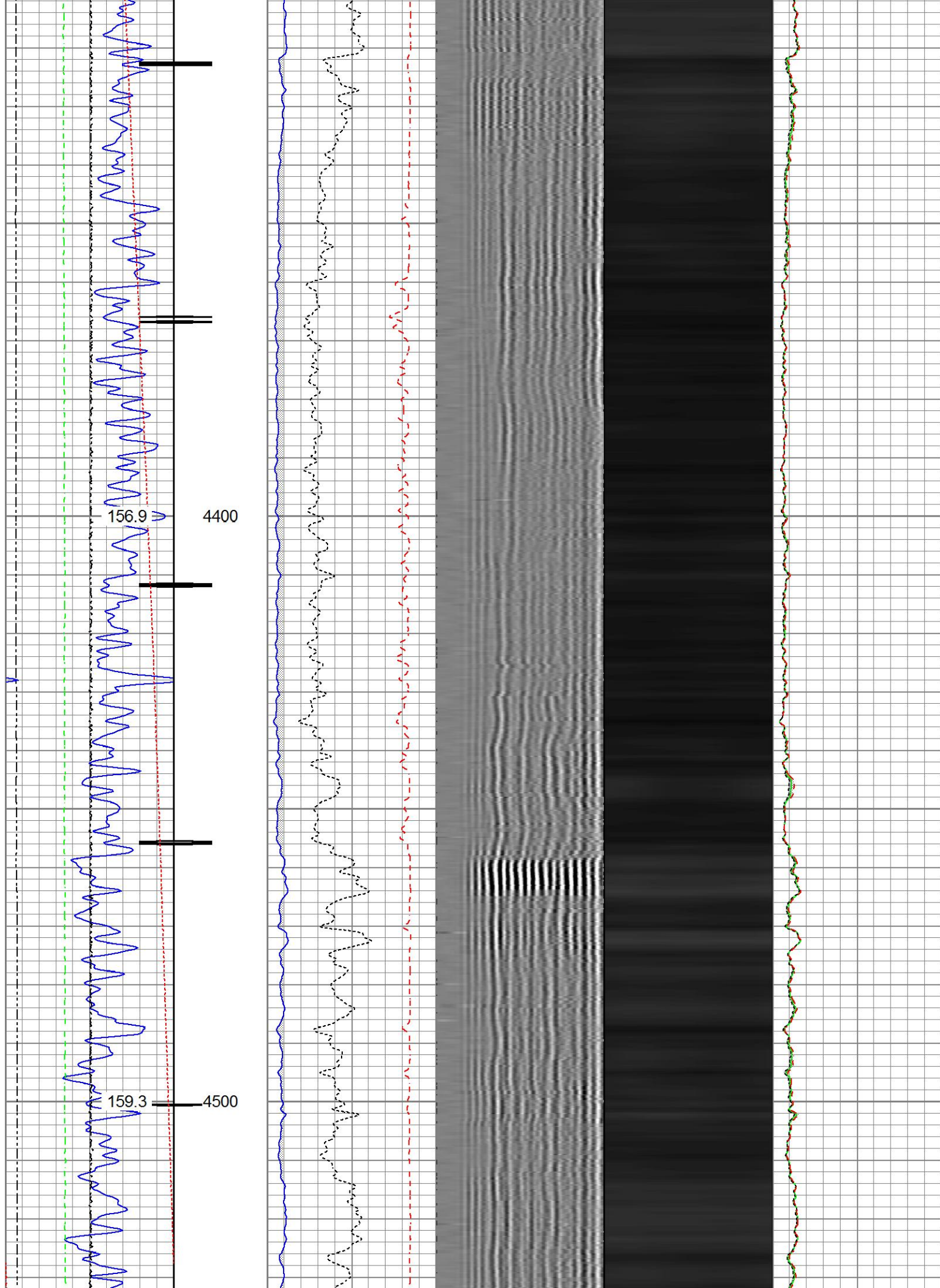


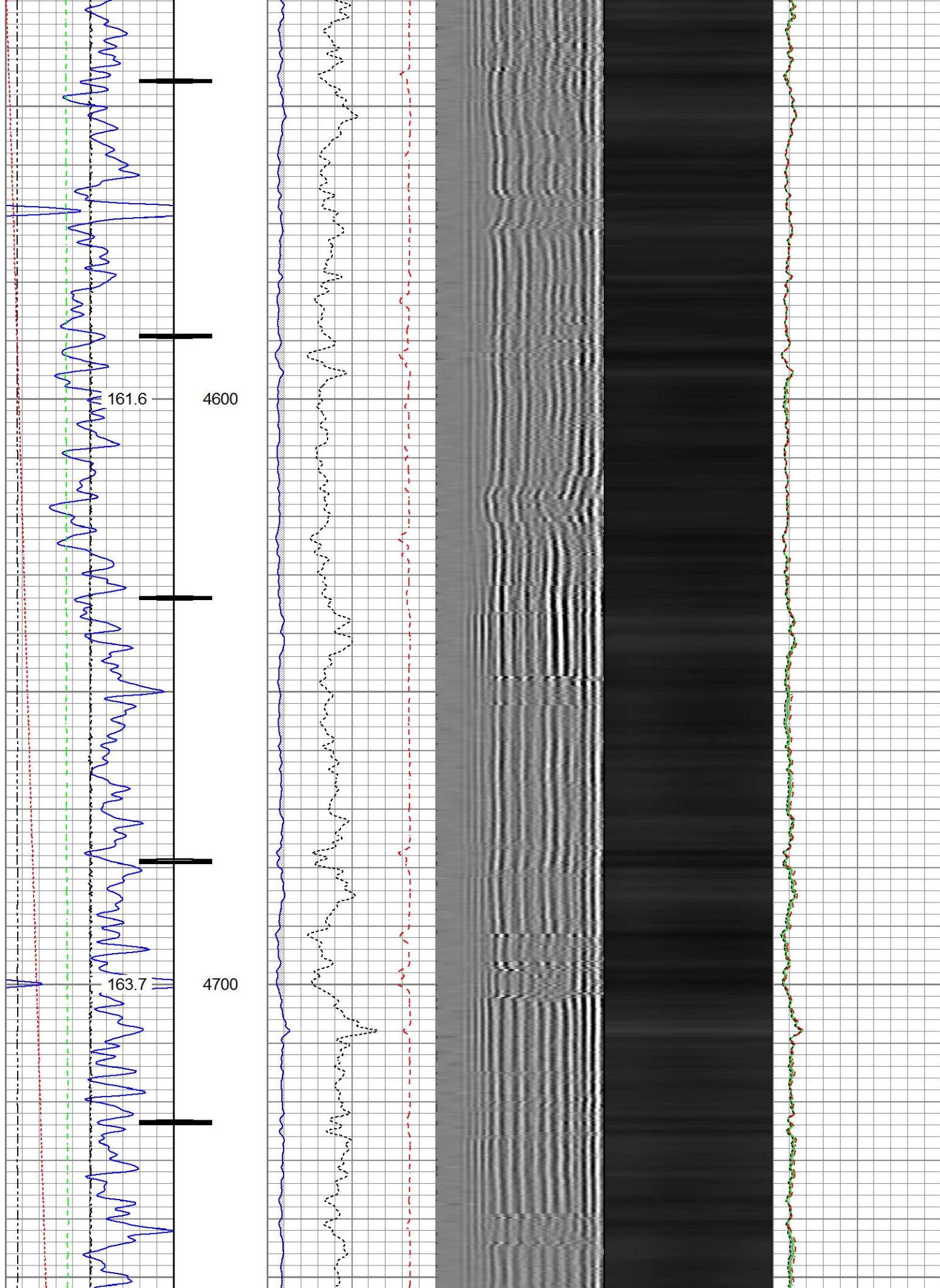


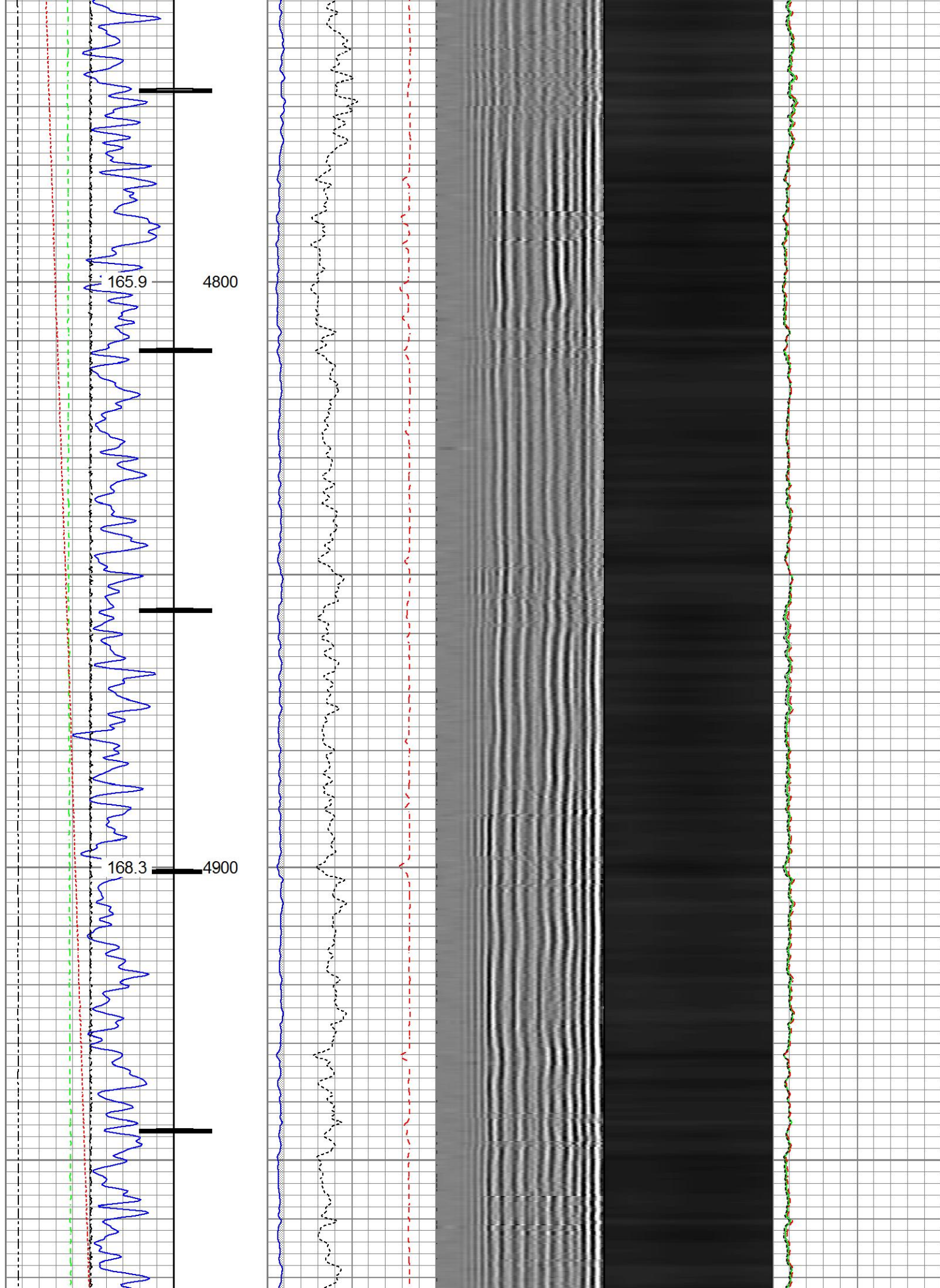


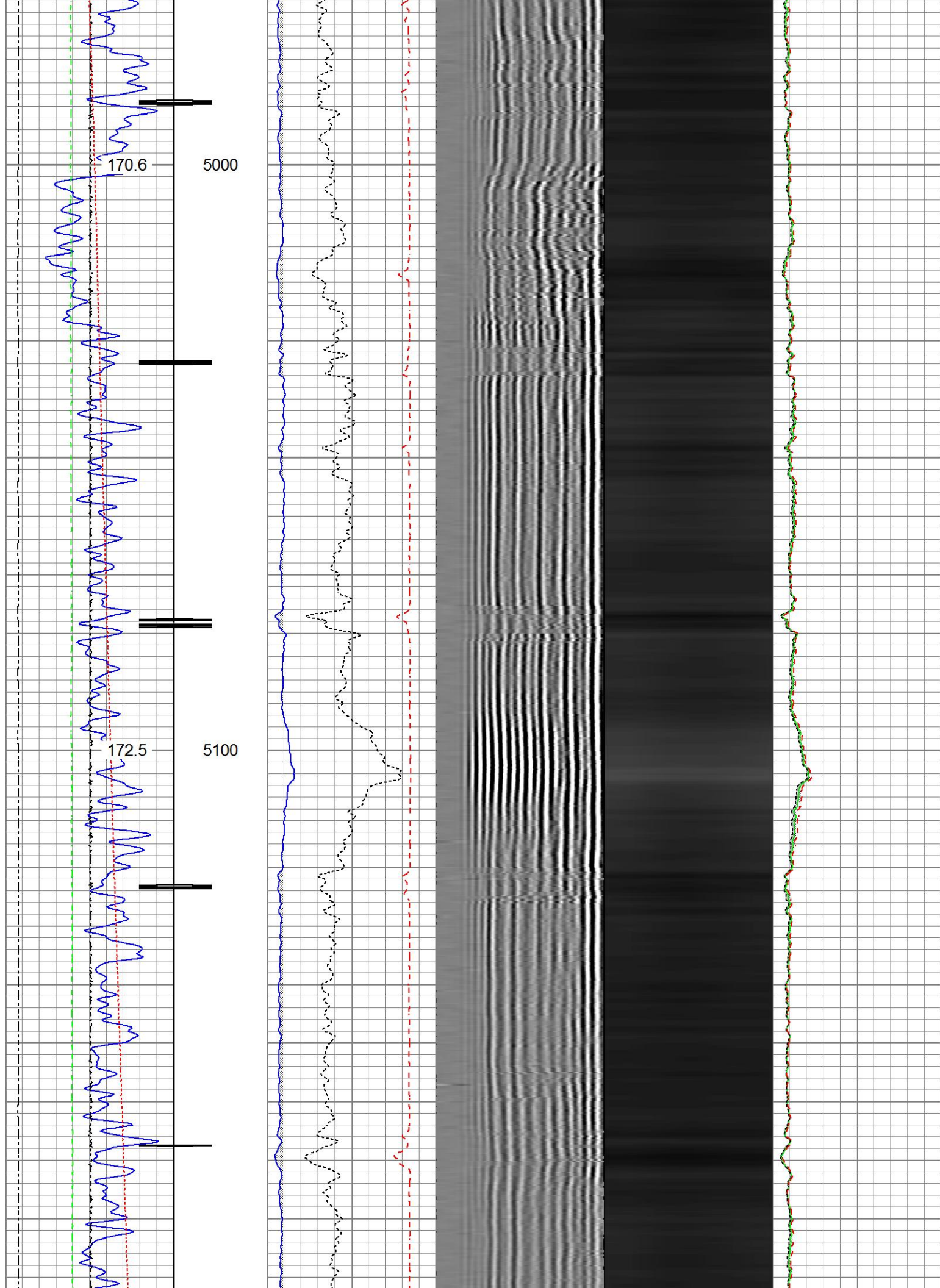


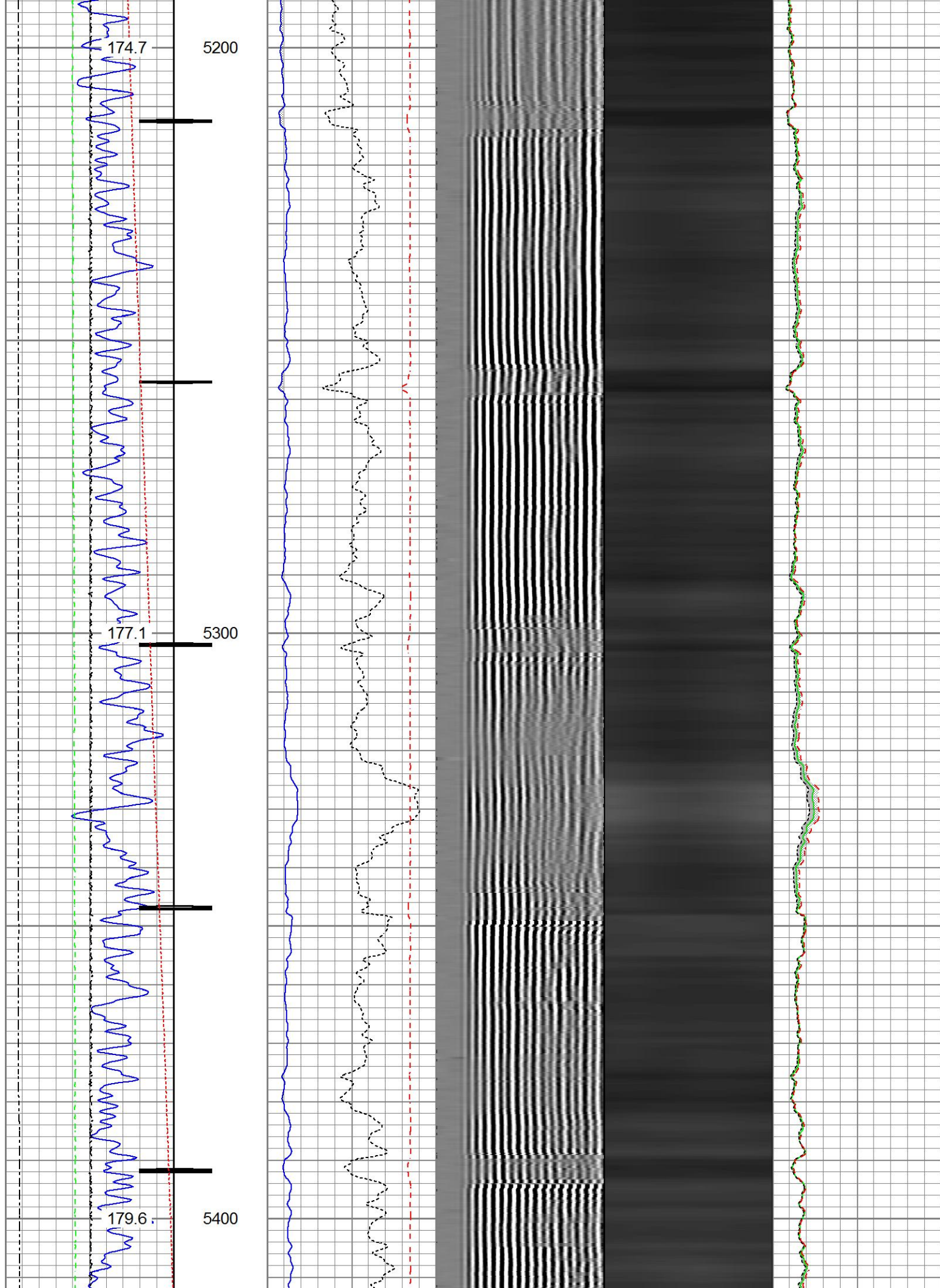


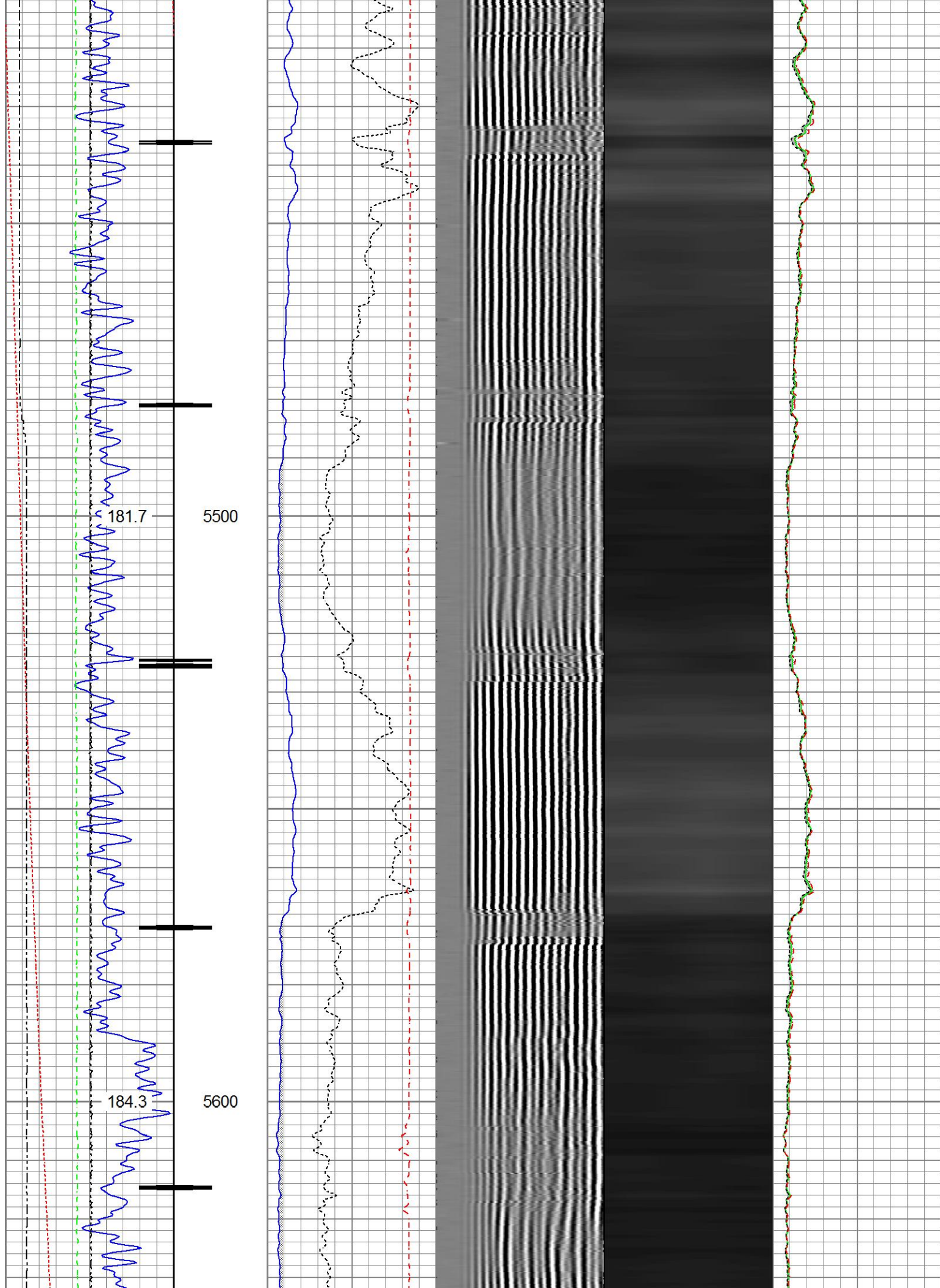


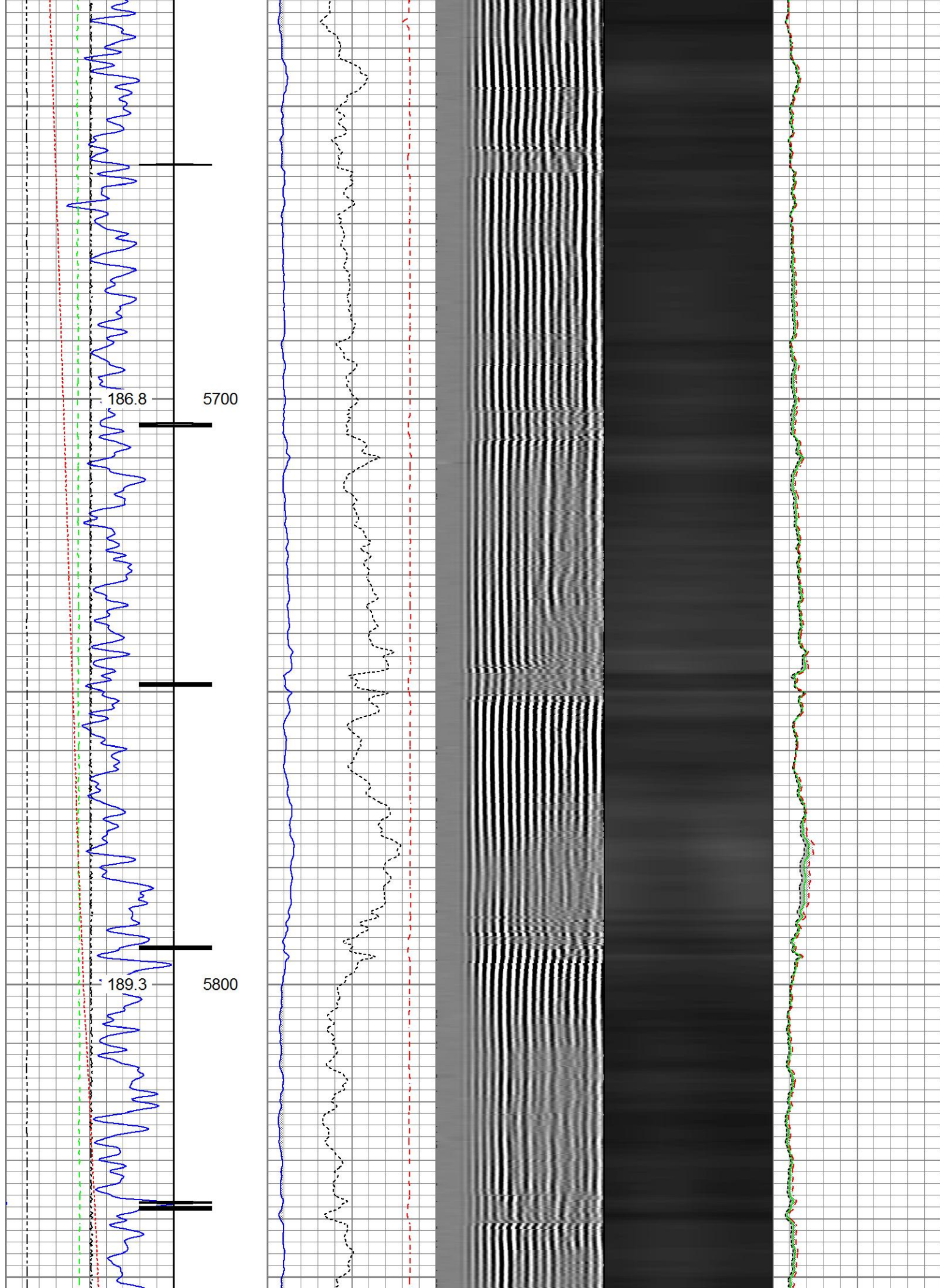


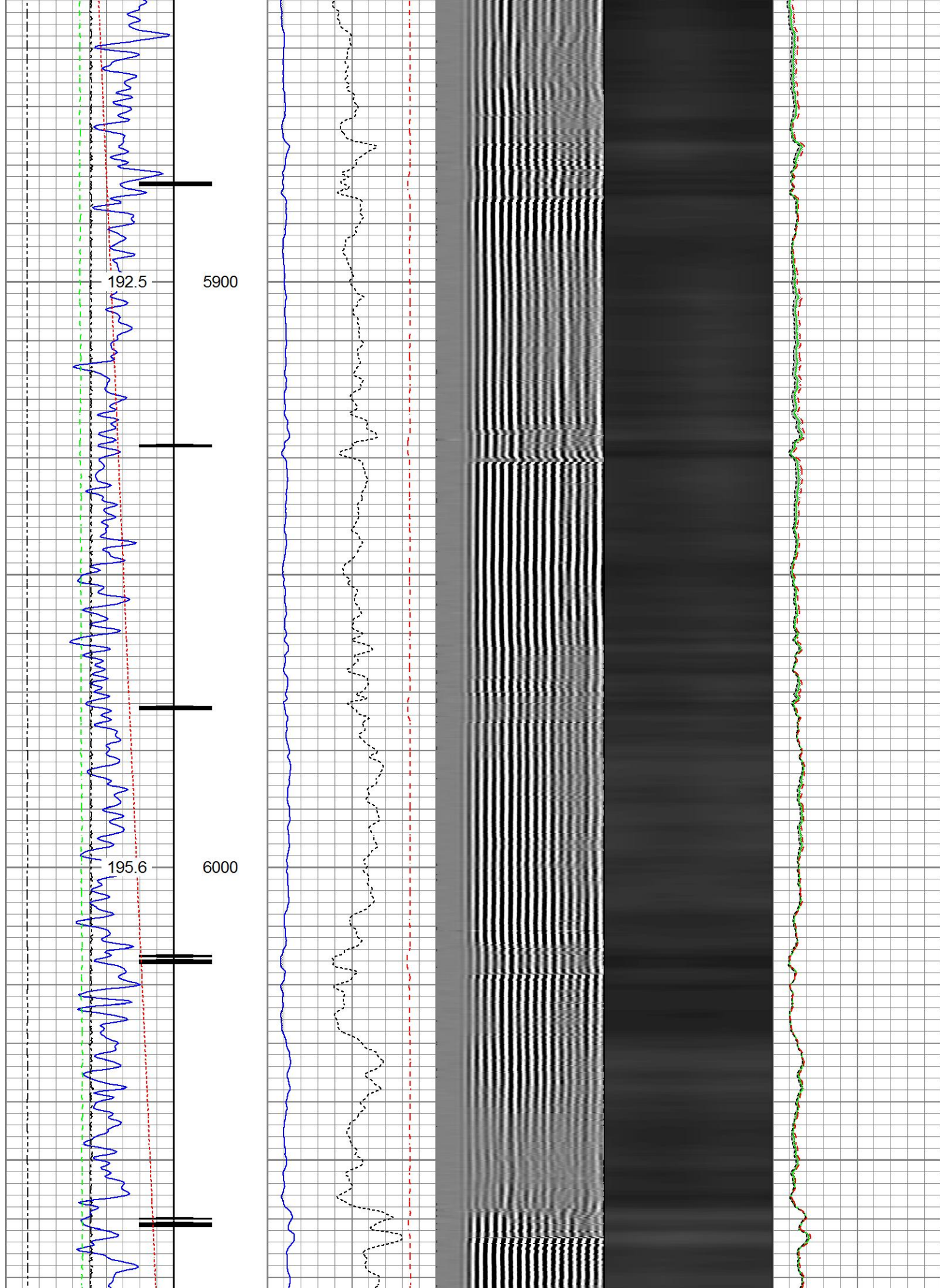


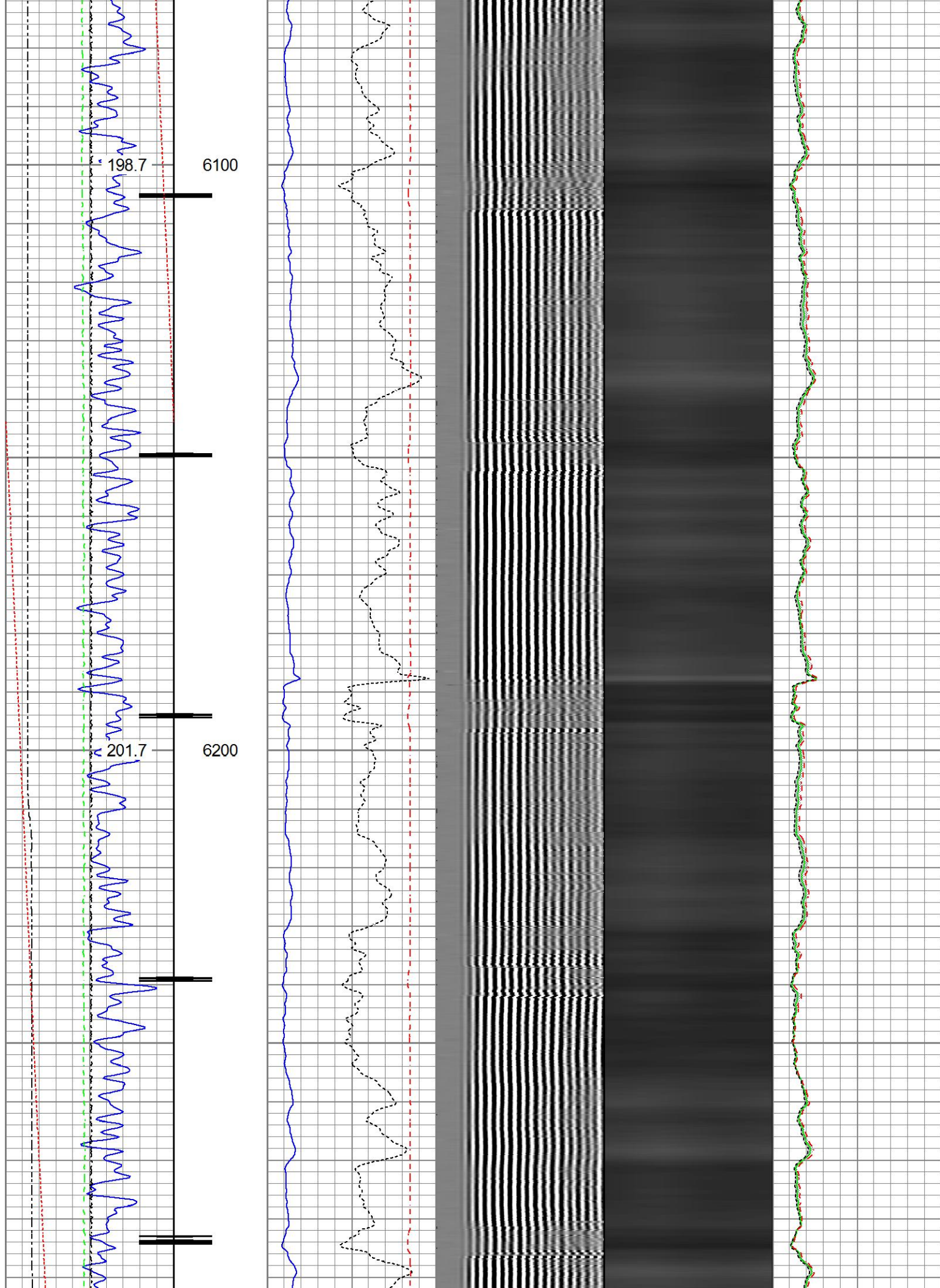


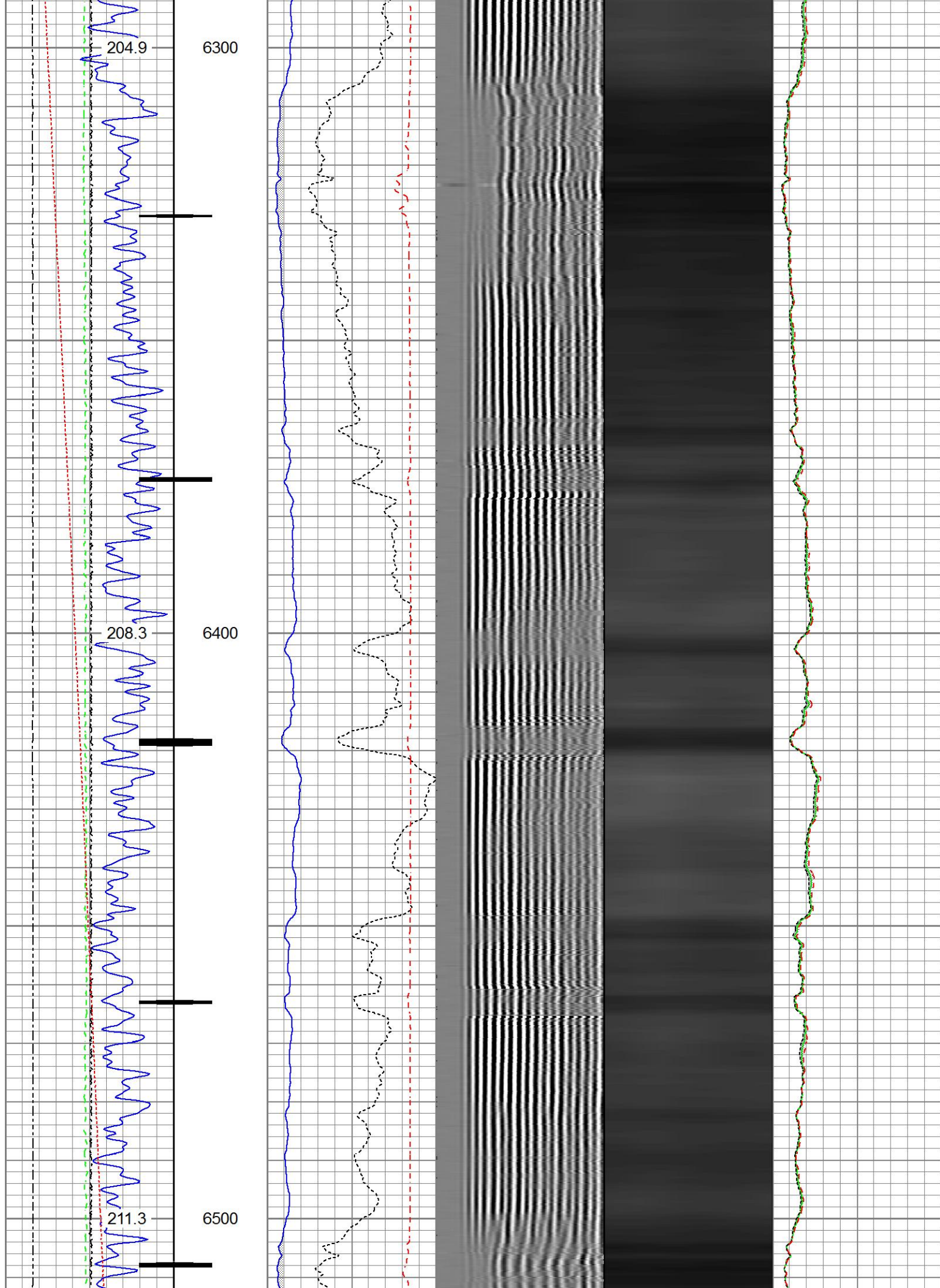


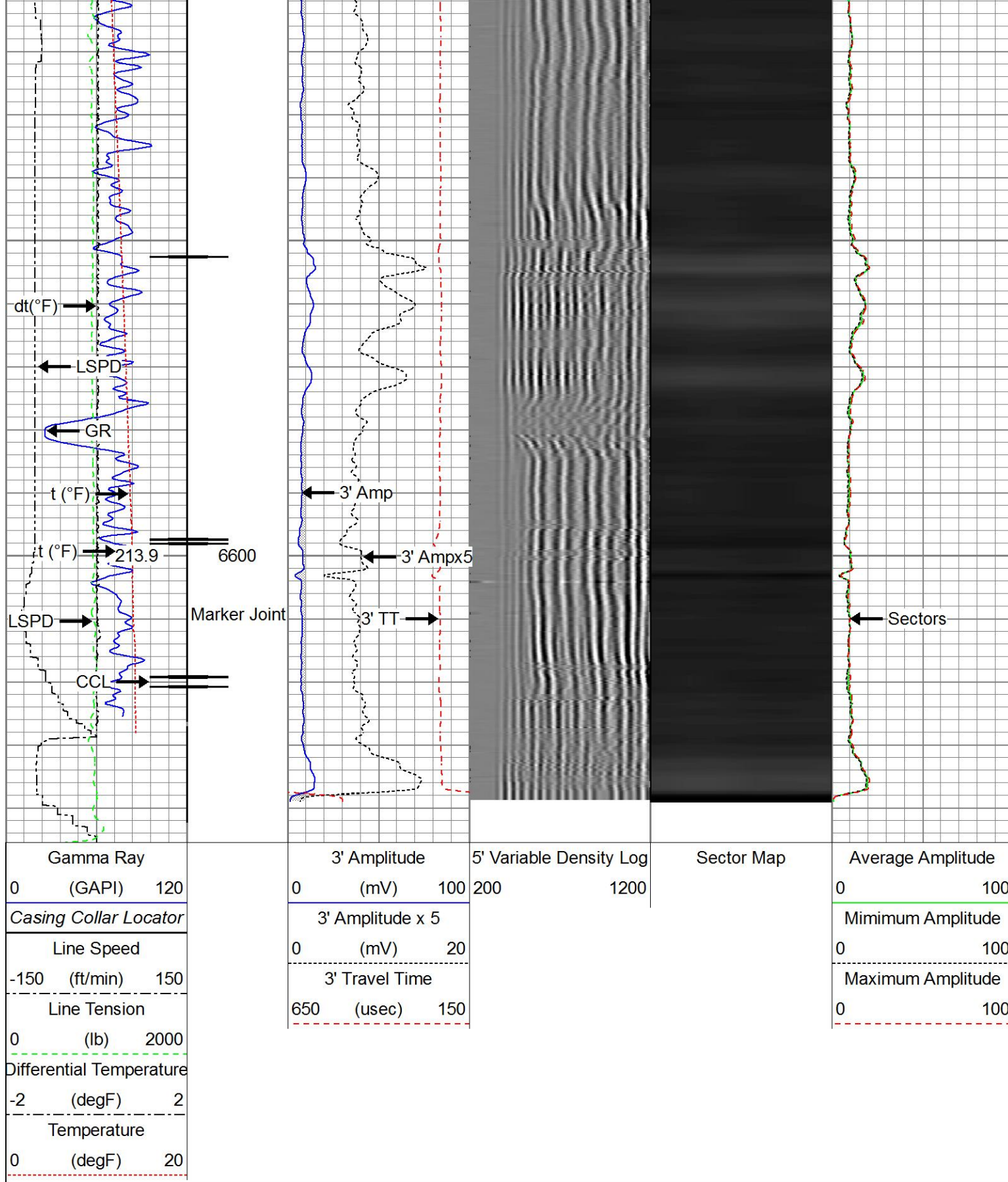








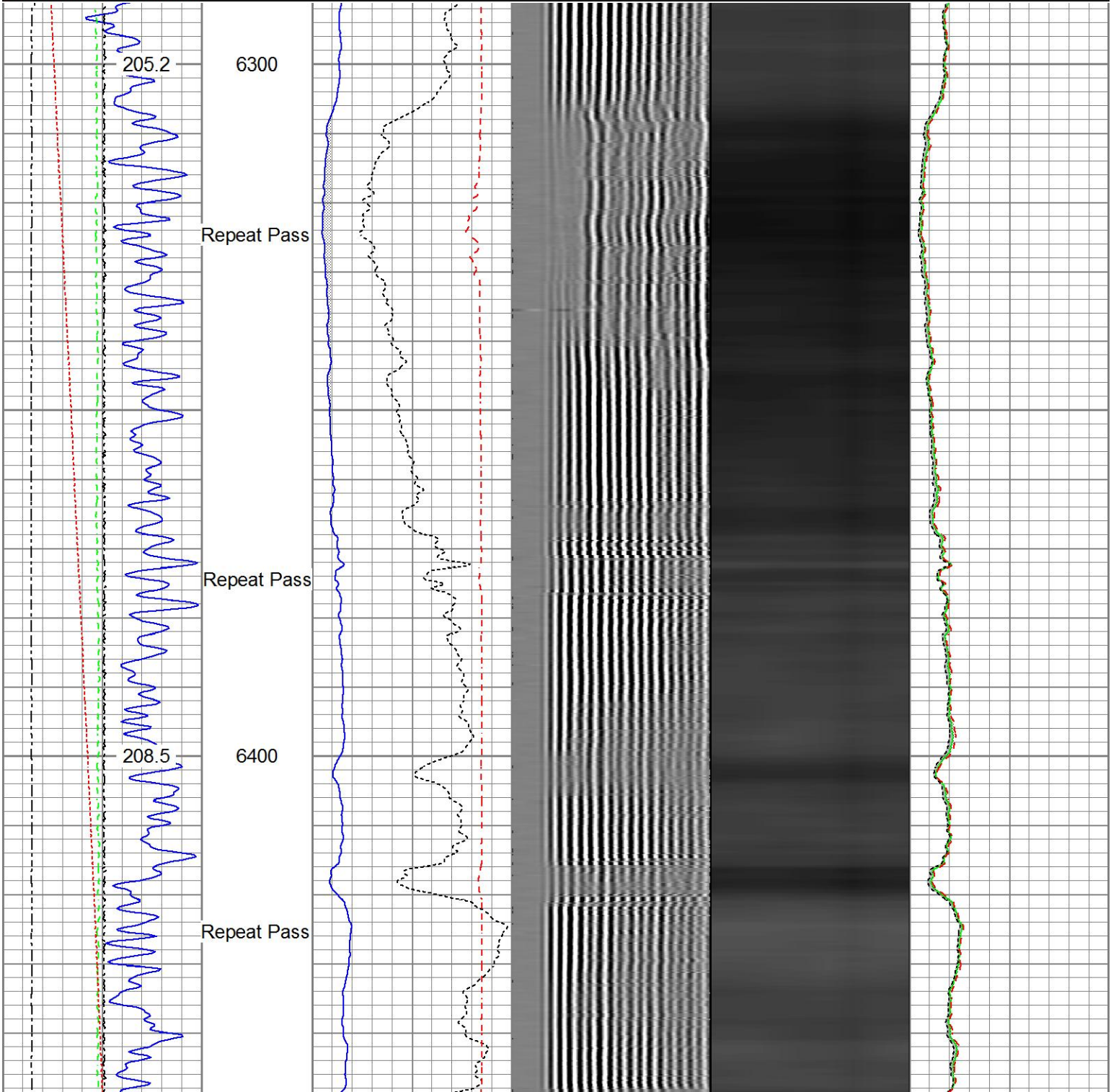


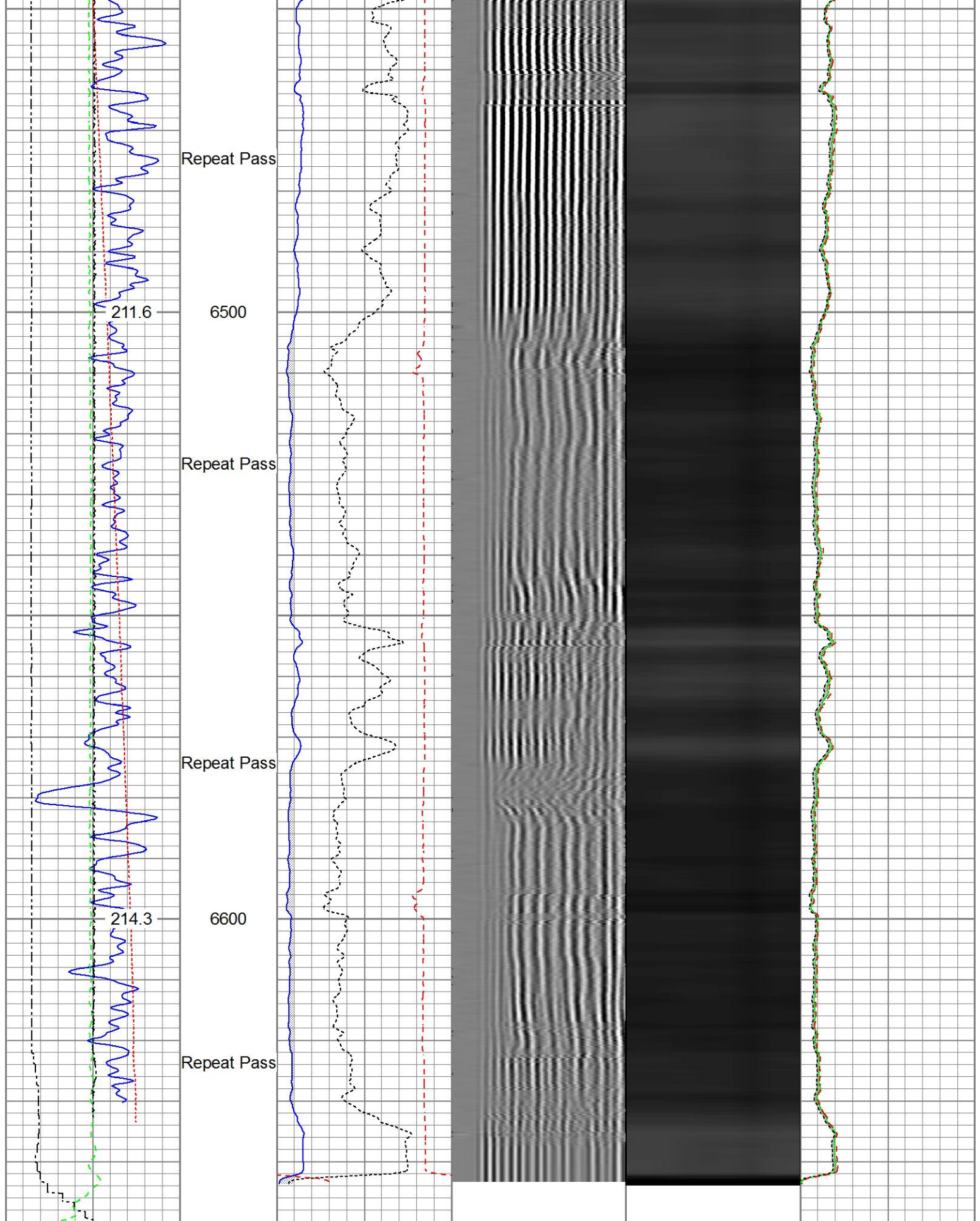


Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

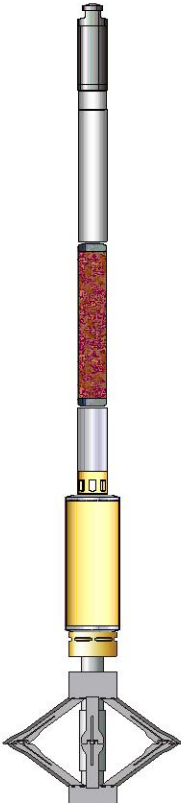
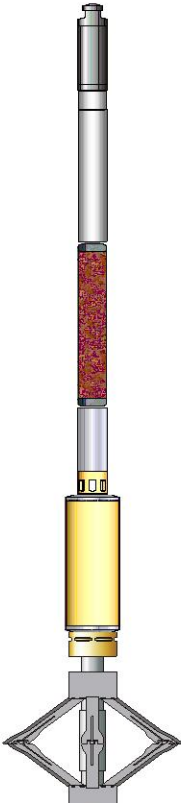
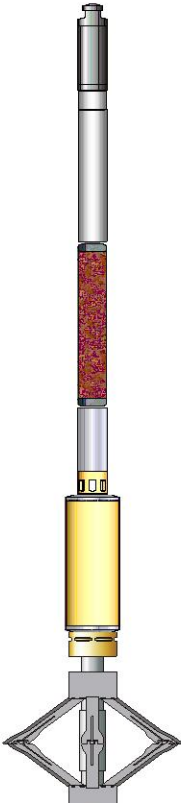
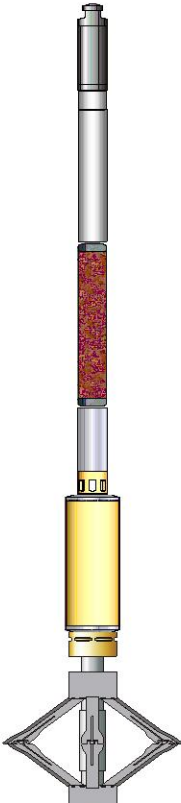

Gamma Ray (GAPI)	3' Amplitude (mV)	5' Variable Density Log	Sector Map	Average Amplitude
0 120	0 100	200 1200		0 100
Line Speed (ft/min)	3' Amplitude x 5 (mV)			Minimum Amplitude
-150 150	0 20			0 100
Line Tension (lb)	3' Travel Time (usec)			Maximum Amplitude
0 2000	650 150			0 100
Differential Temperature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

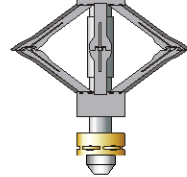




Gamma Ray (GAPI)	3' Amplitude (mV)	5' Variable Density Log	Sector Map	Average Amplitude
0 120	0 100	200 1200		0 100
Line Speed (ft/min)	3' Amplitude x 5 (mV)			Minimum Amplitude
-150 150	0 20			0 100

Line Tension			3' Travel Time			Maximum Amplitude	
0	(lb)	2000	650	(usec)	150	0	100
Differential Temperature							
-2	(degF)	2					
Temperature							
0	(degF)	20					

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GR	17.94		Titan_Electric_Cable_Heads-Titan_1-11/16	161.03	1.69	5.40
			Electric Cable Head with 1" Fishing Neck			
			UW_AGS-UW_AGS_001 (218874)	0.21	1.69	1.00
			Sondex Adapter - GO Box to Sondex Pin			
TEMP	16.54		UW_XTU-UW_XTU_002 (218874)	1.58	1.69	6.50
			Crossover Ultrawire Toolbus to Ultralink			
			UW_PGR-UW_PGR_020 (10013902)	1.92	1.69	9.50
CCL	15.30		Production Gamma Ray			
			UW_PRT-PRT_016 (10024052)	1.04	1.69	5.20
			Platinum Resistance Thermometer			
CBLROT	7.90		UW_CCL-UW_CCL_028 (10026417)	1.61	3.13	36.00
			3-1/8" Ultrawire Casing Collar Locator			
			UW_PRC-DSS_RAC	2.55	2.75	32.00
WVFS8	7.90		UW_RBT-UW_RBT_004 (1063)	9.48	3.13	140.00
WVFS7	7.90					
WVFS6	7.90					
WVFS5	7.90					
WVFS4	7.90					
WVFS3	7.90					
WVFS2	7.90					
WVFS1	7.90					
WVF3FT	7.90					
WVF5FT	6.90					
CBLTEMP	2.77					

TSTAMP	0.00		UW_PRC-DSS_RAC 5 Arm 2-3/4" Roller Centralizer	2.55	2.75	32.00
			UW_BUL-UW_BUL_006 (031422) Sondex Ultrawire Bullnose Terminator	0.22	1.69	1.20
Dataset: 0512344520_anadarko_butterball 12n-34hz_rbl_08-05-17_w8.db: field/well/run1/main.2 Total length: 22.19 ft Total weight: 268.80 lb O.D.: 3.13 in						

Calibration Report	
Database File	d:\warrior\data\anadarko_butterball 12n-34hz\0512344520_anadarko_butterball 12n-34hz_rbl_08-05-17_w8.
Dataset Pathname	main.2
Dataset Creation	Sat Aug 05 09:28:31 2017

Segmented Cement Bond Log Calibration Report

Serial Number:	1063
Tool Model:	UW_RBT_004
Calibration Casing Diameter:	5.500 in
Calibration Depth:	-2.046 ft

Master Calibration, performed (Derived):						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	-0.008	1.129	0.800	71.921	62.546	1.329
5FT	-0.017	1.068	0.800	71.921	65.548	1.947
S1	-0.008	1.164	0.000	100.000	85.290	0.723
S2	-0.008	1.137	0.000	100.000	87.349	0.721
S3	-0.009	1.124	0.000	100.000	88.285	0.796
S4	-0.010	1.137	0.000	100.000	87.216	0.847
S5	-0.009	1.124	0.000	100.000	88.269	0.784
S6	-0.009	1.133	0.000	100.000	87.580	0.812
S7	-0.009	1.147	0.000	100.000	86.475	0.773
S8	-0.008	1.148	0.000	100.000	86.508	0.669

Temperature Calibration Report

Serial Number:			10024052	
Tool Model:			PRT_016	
Performed:			Sun Oct 11 12:16:39 2015	
Point #	Reading		Reference	
1	12242.00	cps	68.00	degF
2	18329.00	cps	104.00	degF
3	29563.00	cps	176.00	degF
4	41222.00	cps	248.00	degF
5	52988.00	cps	320.00	degF
6	58824.00	cps	356.00	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number:	10013902
Tool Model:	UW_PGR_020
Performed:	(Not Performed)

Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Butterball 12N-34HZ
Field	Wattenberg
County	Weld
State	Colorado