



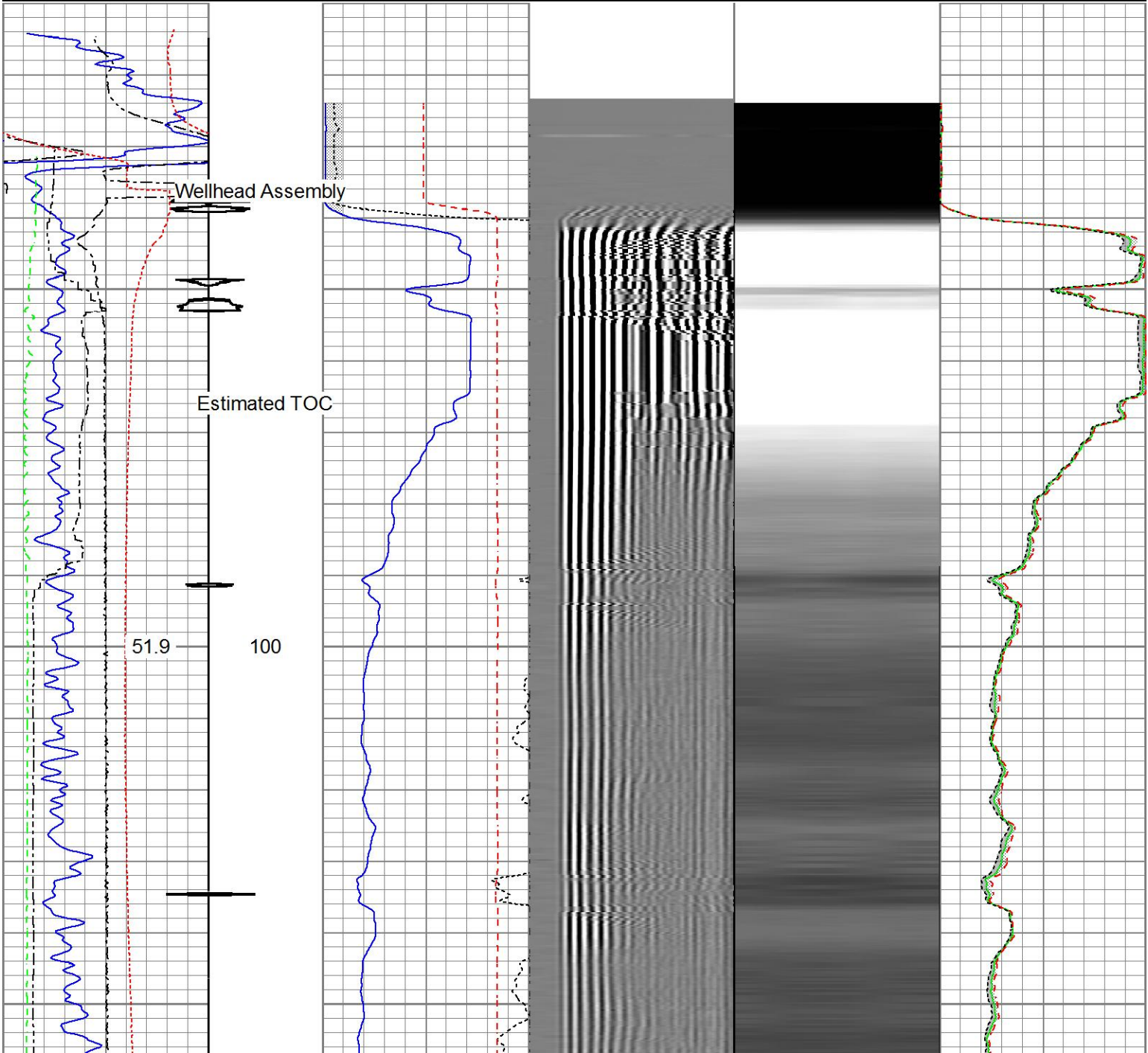
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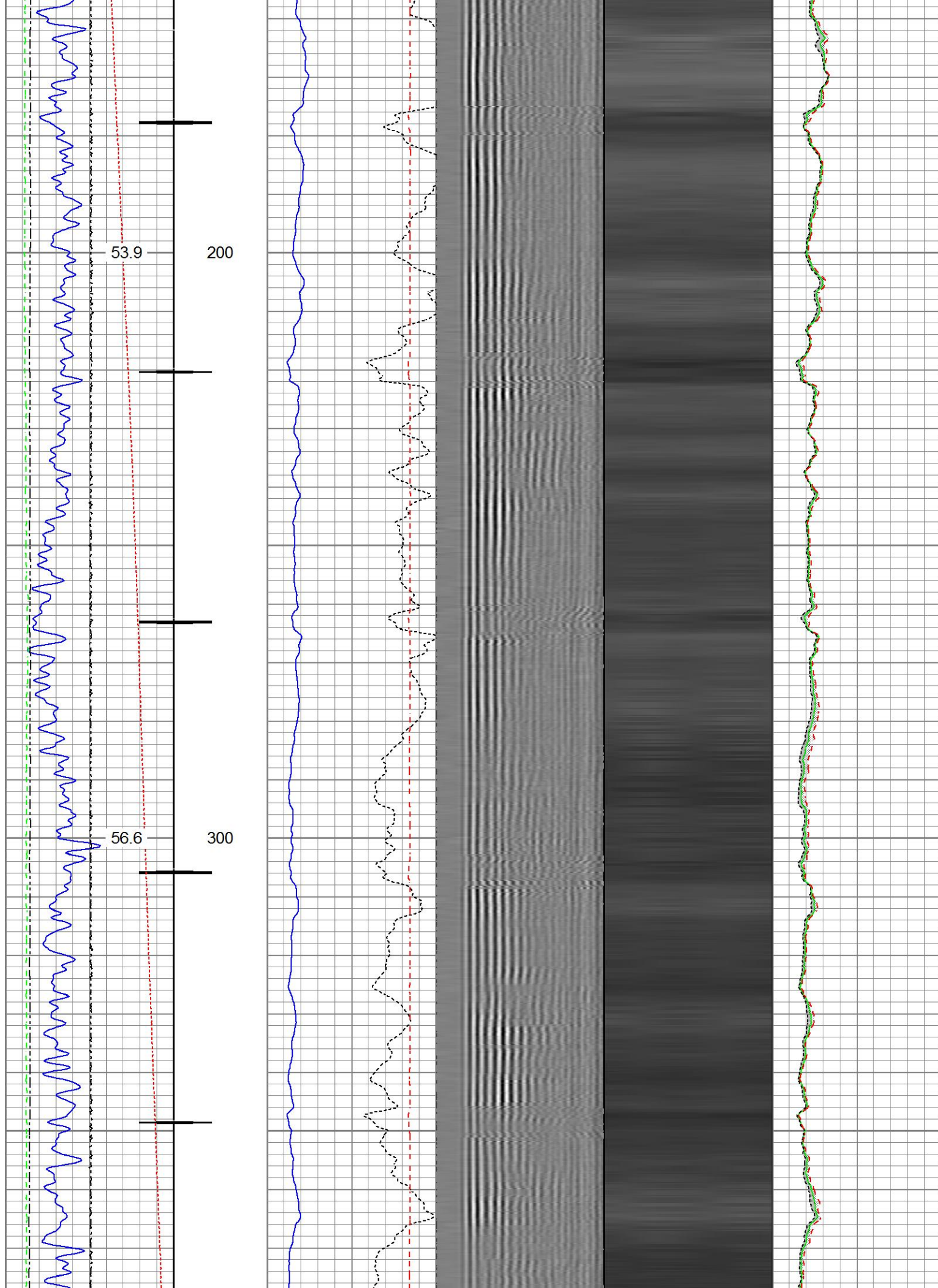
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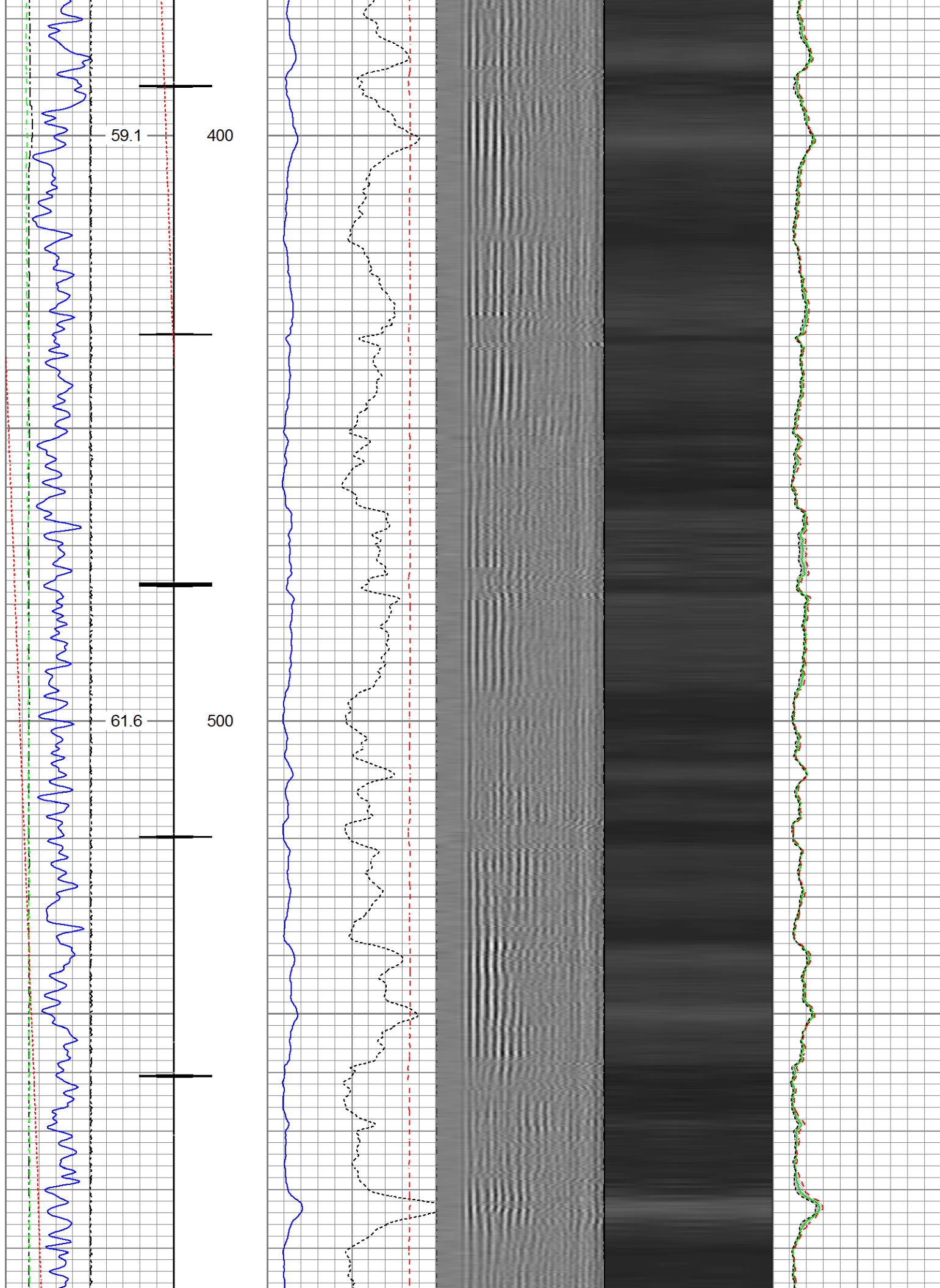


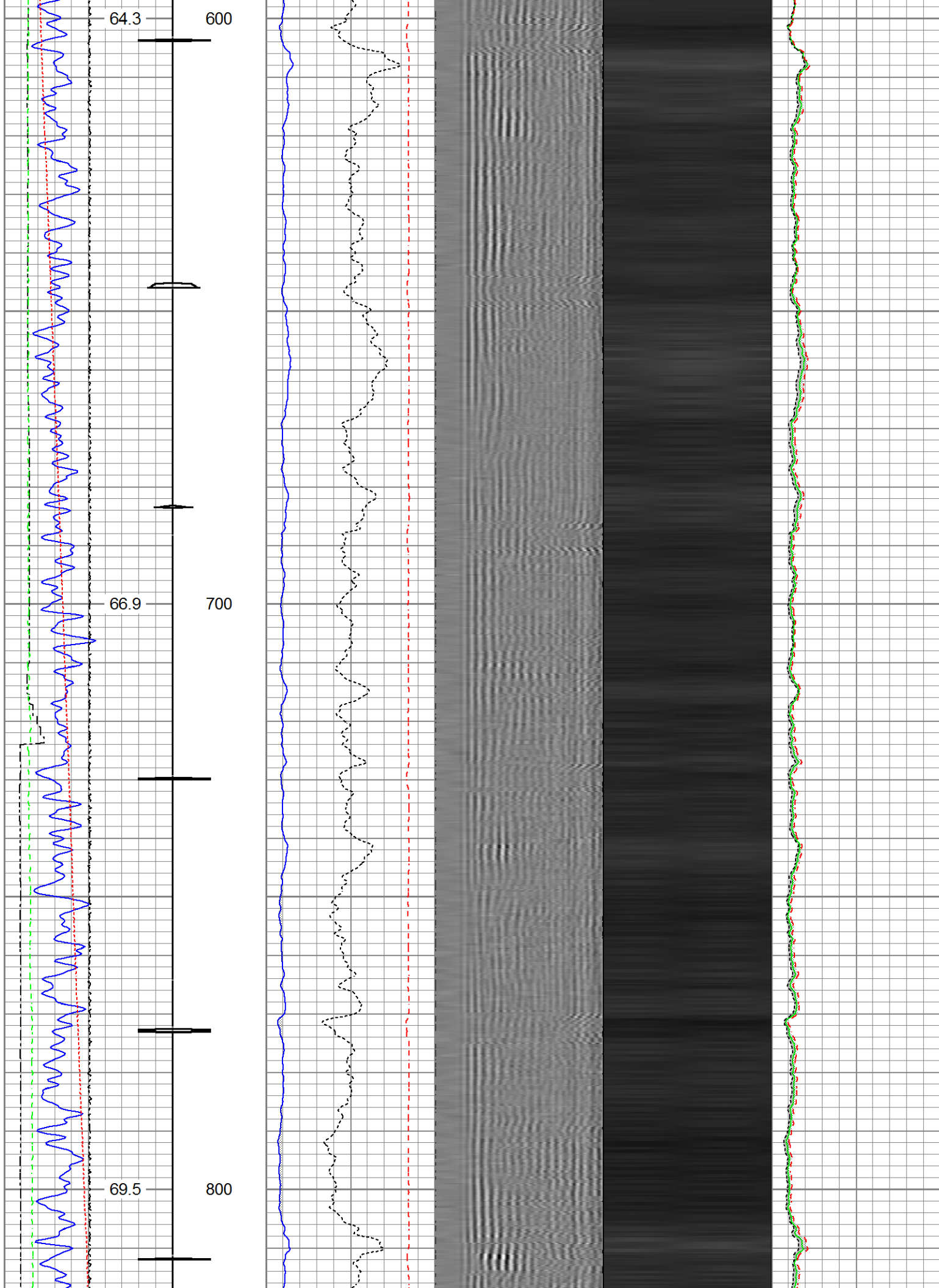
Recorded With 1500 PSI Surface Induced Pressure

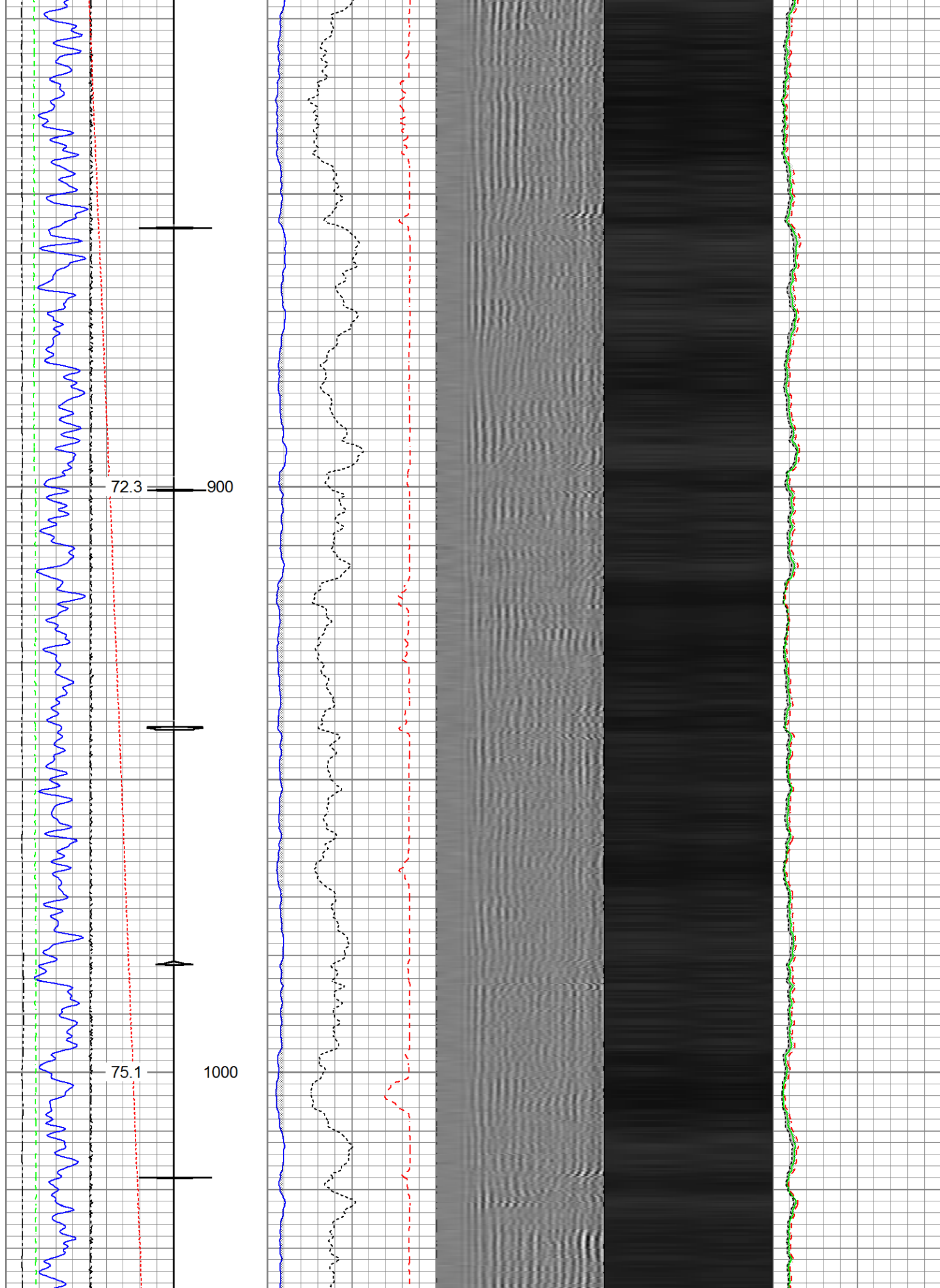
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-150 (ft/min) 150	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000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

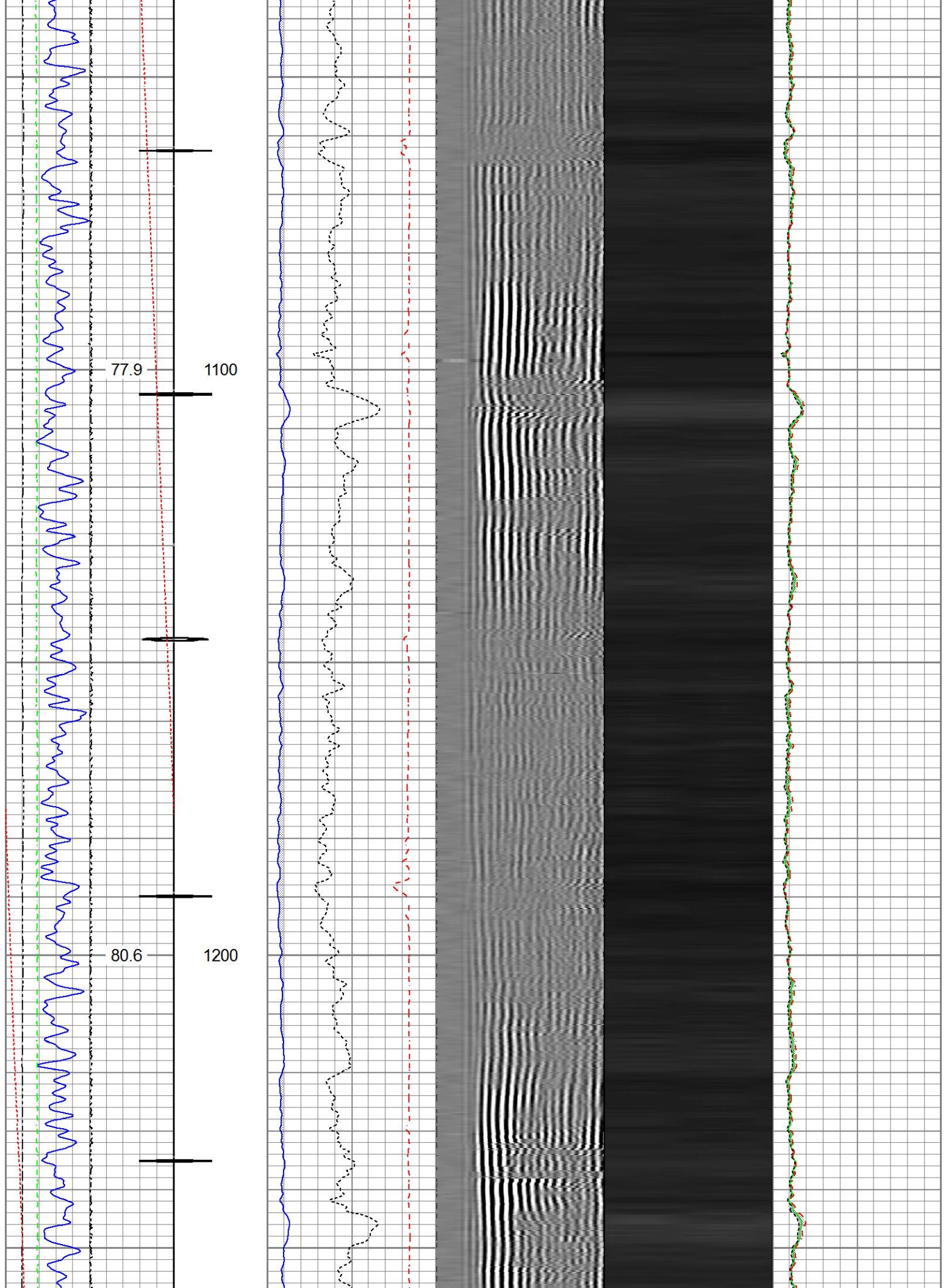


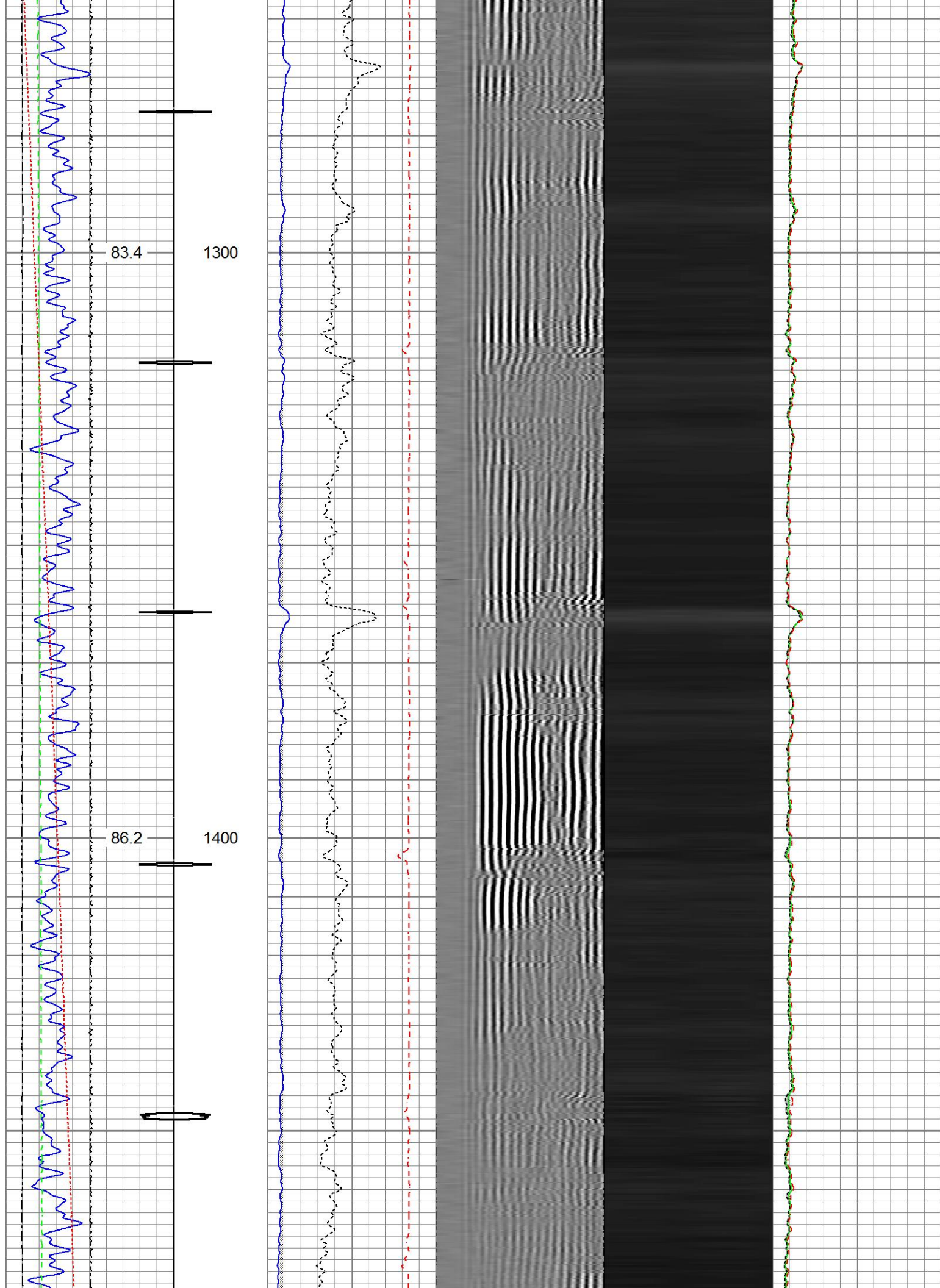


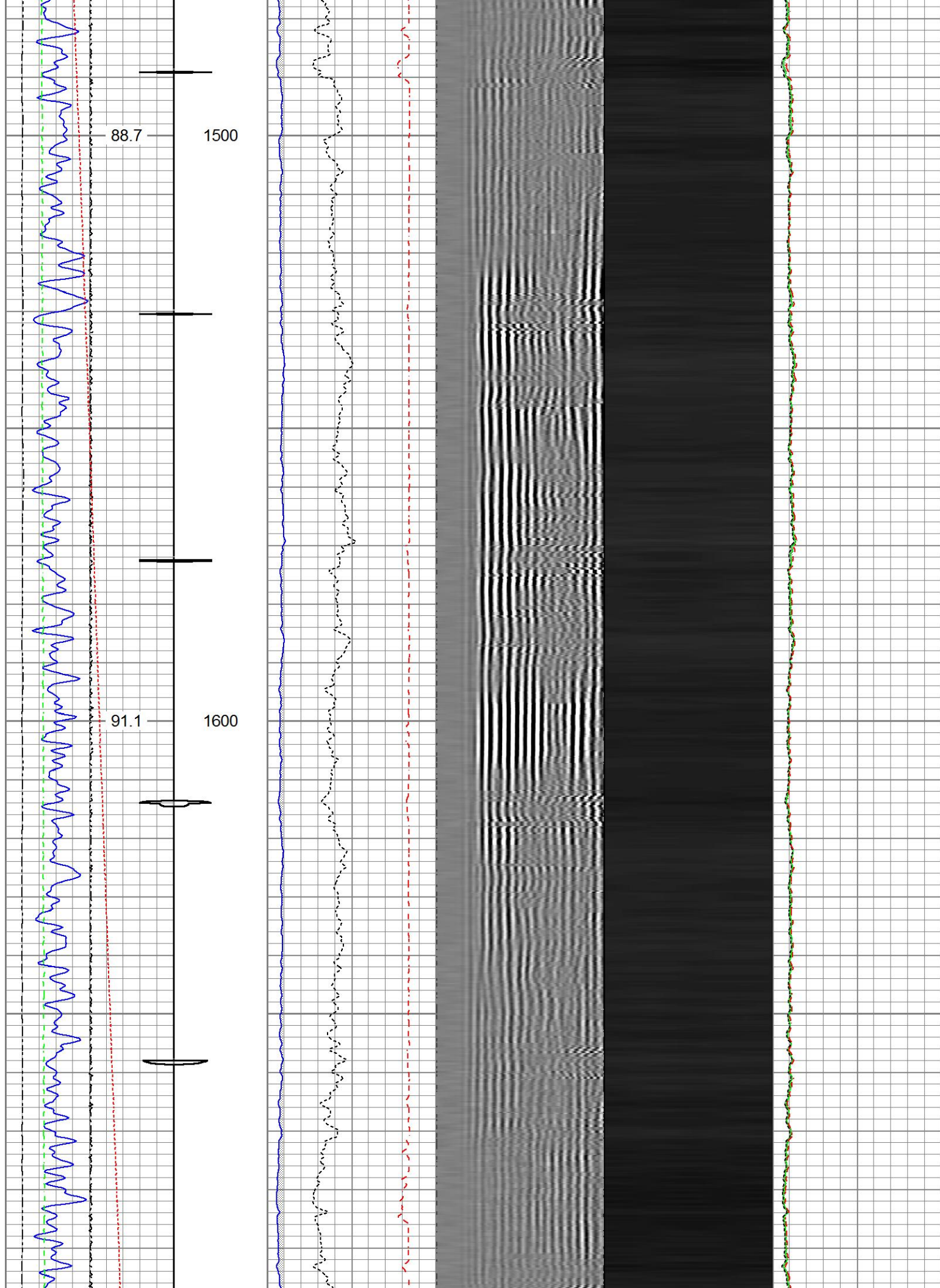


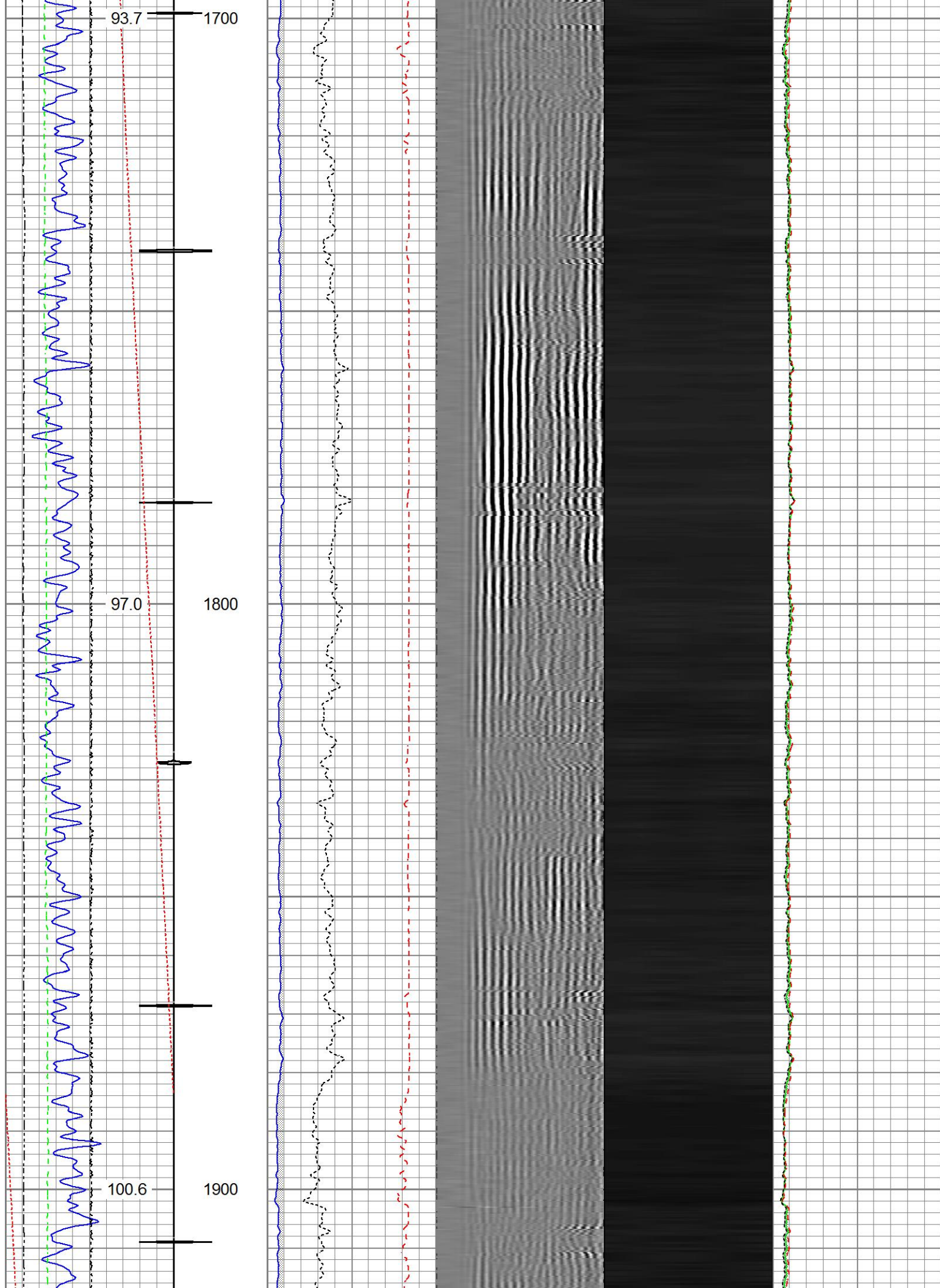


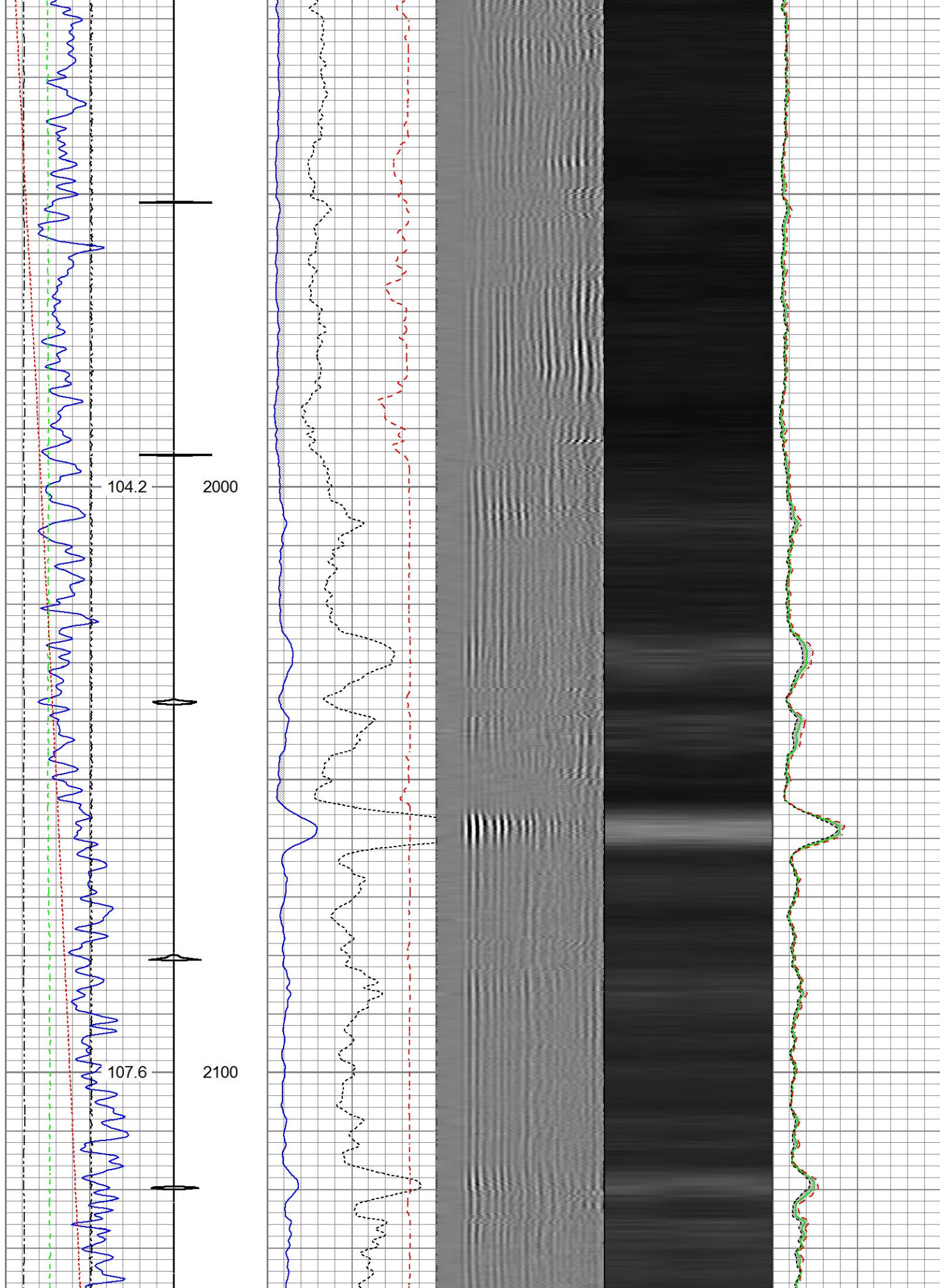


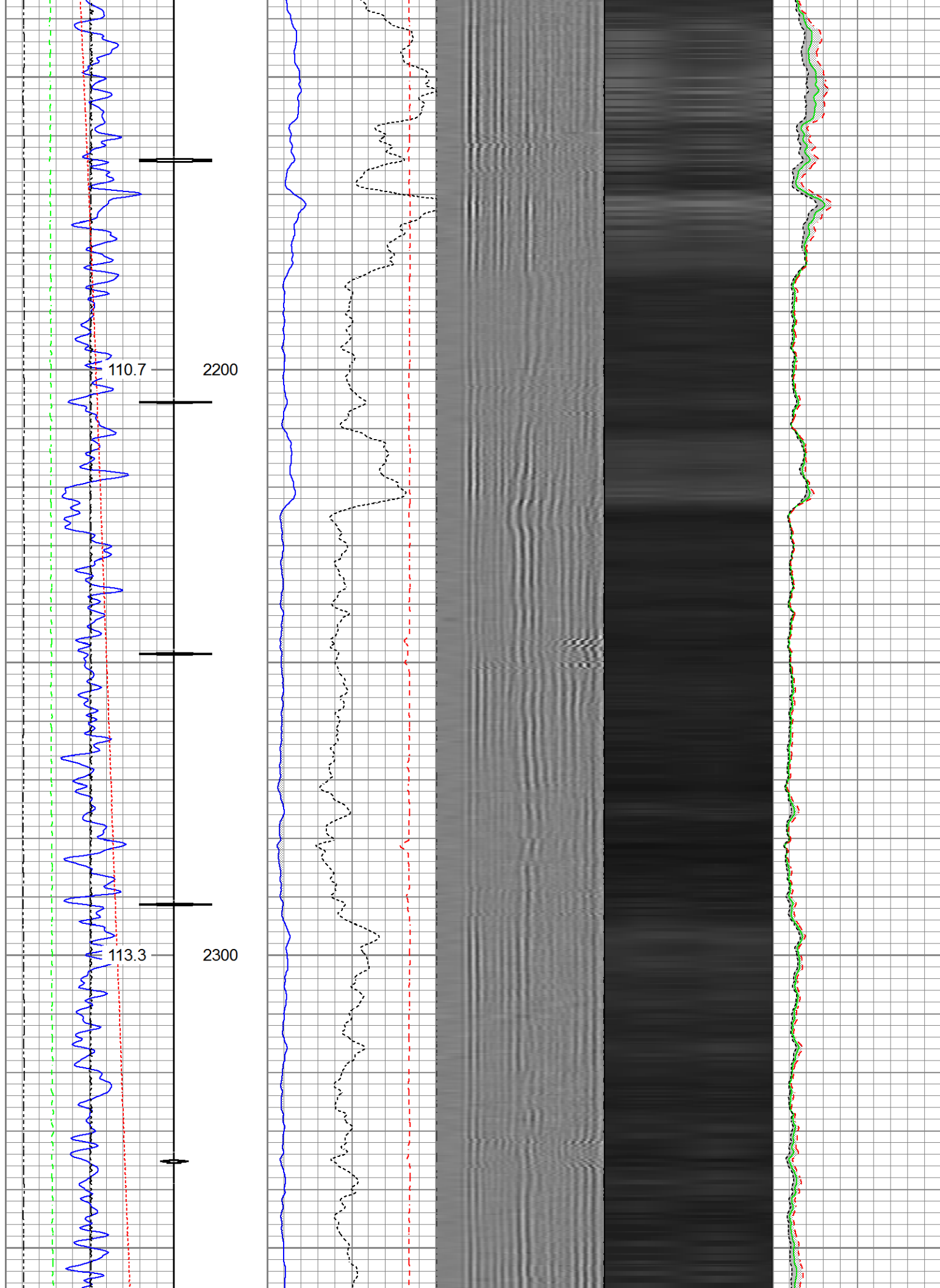


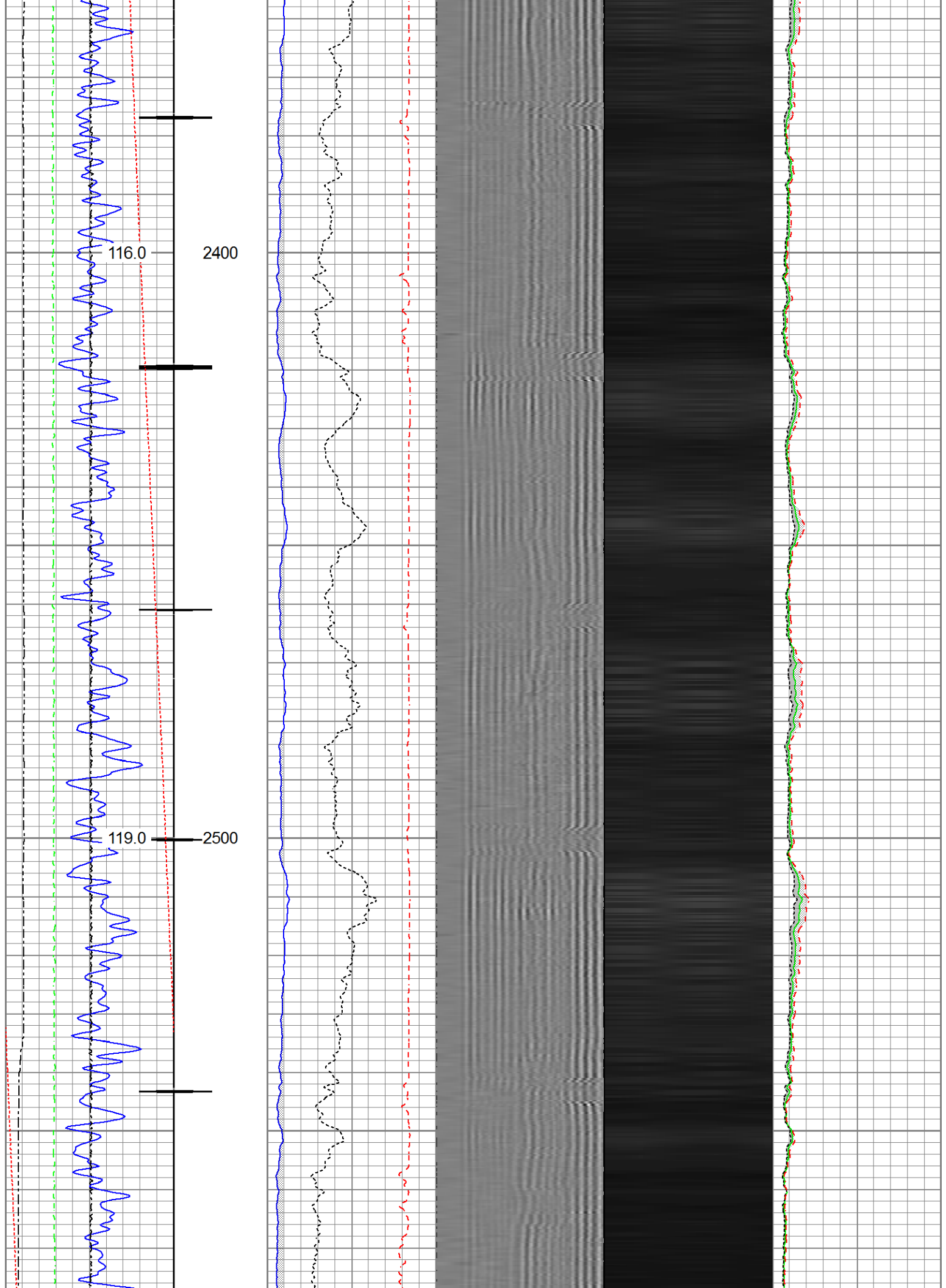


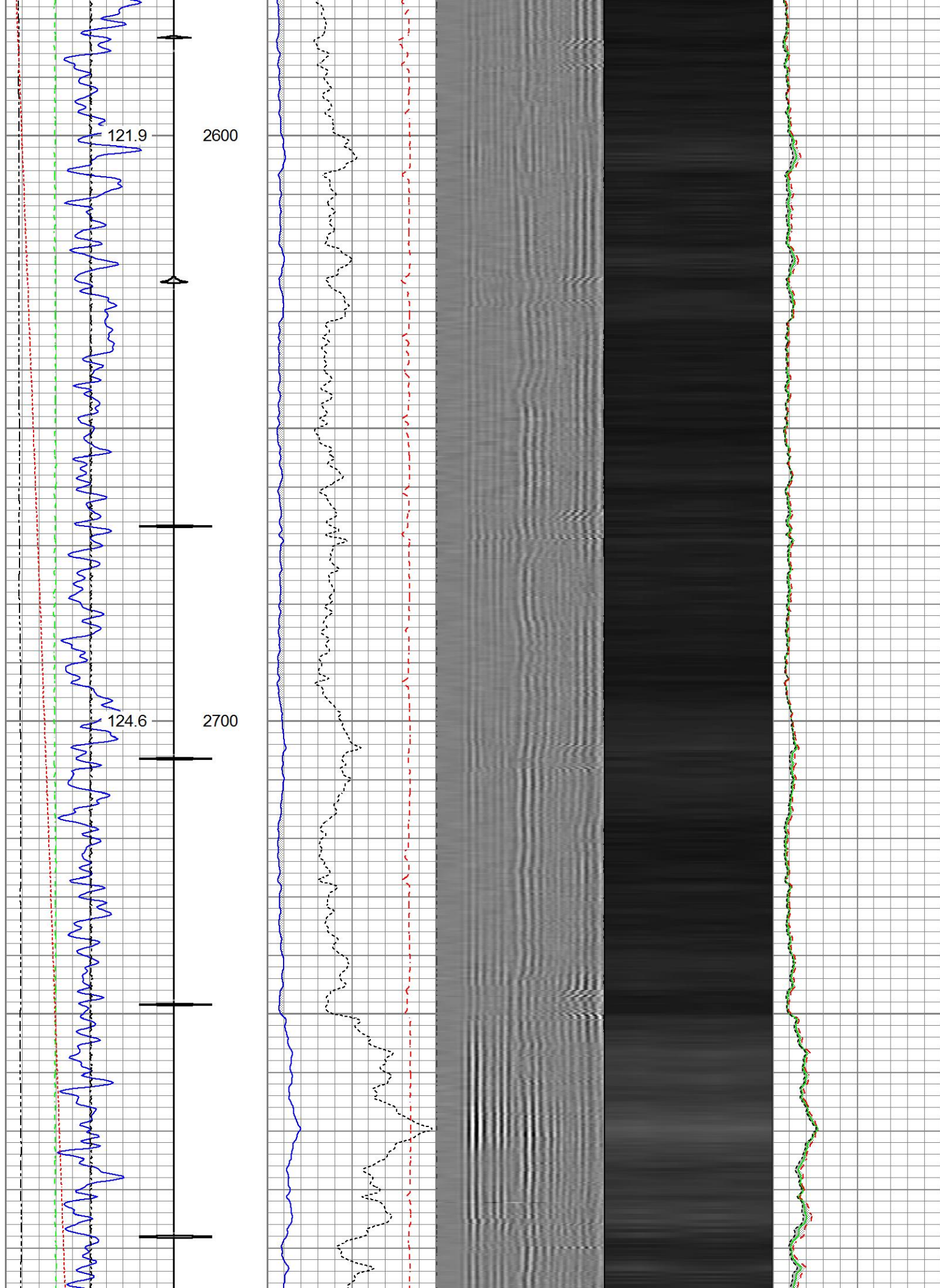


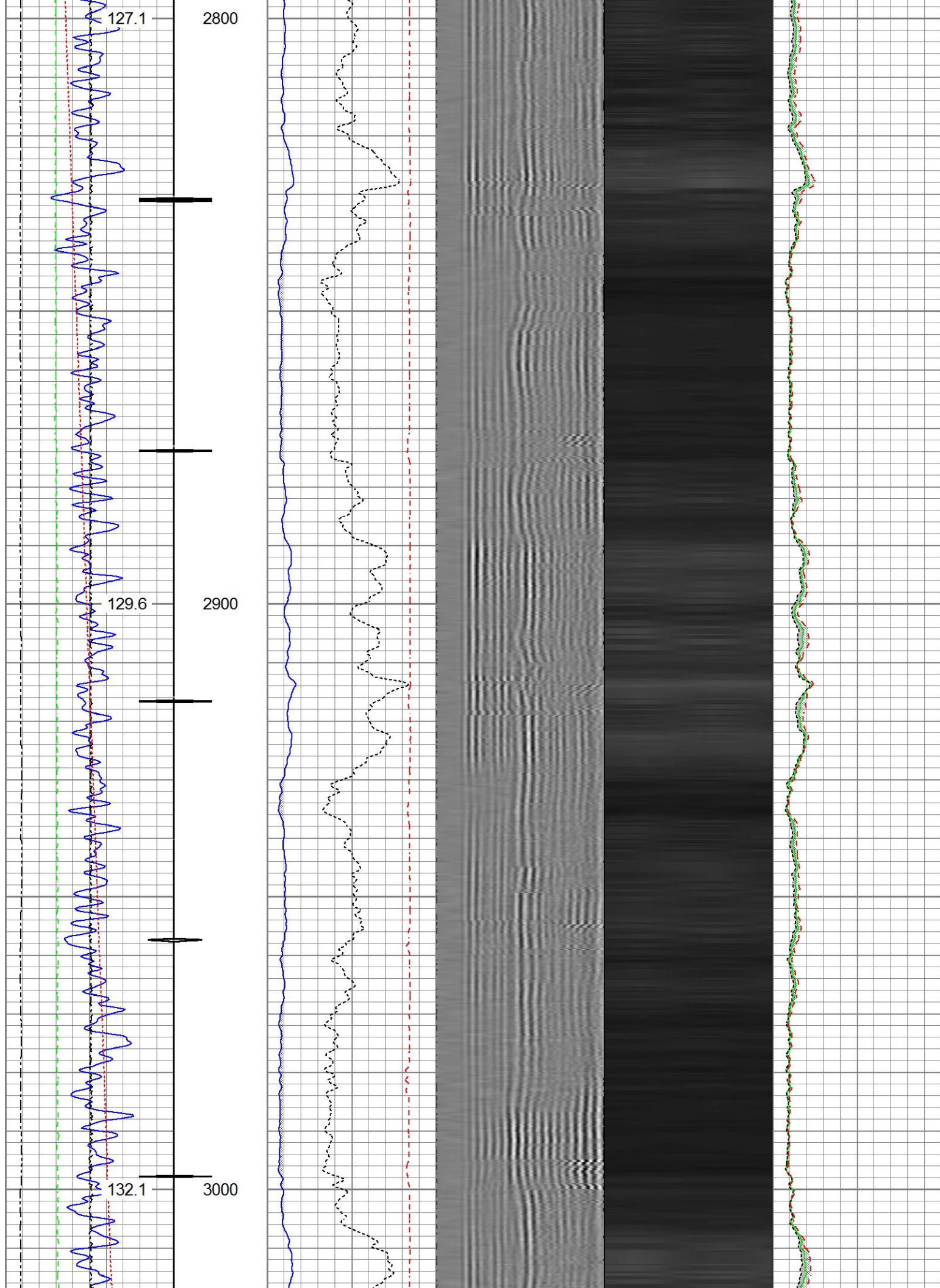


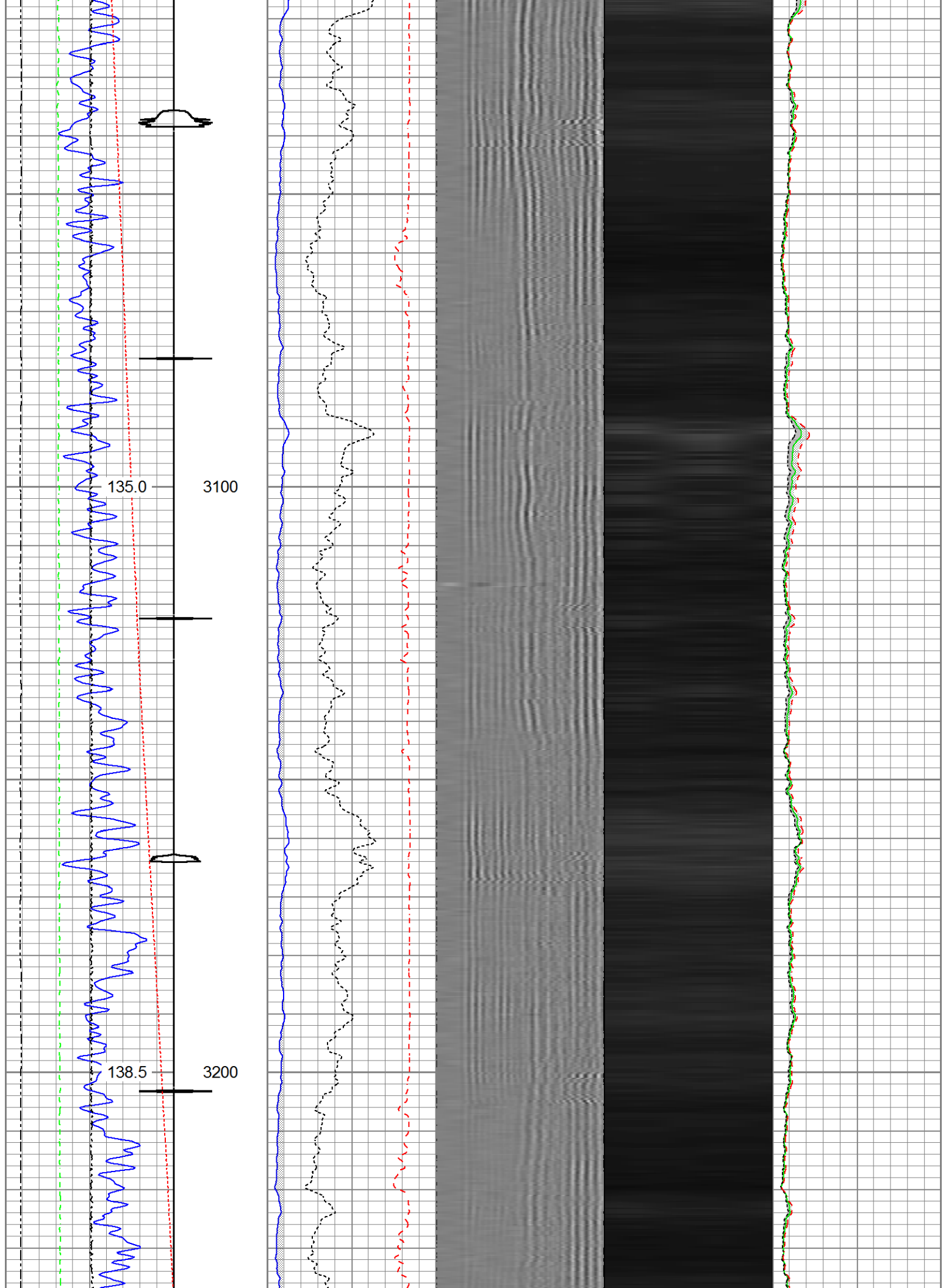


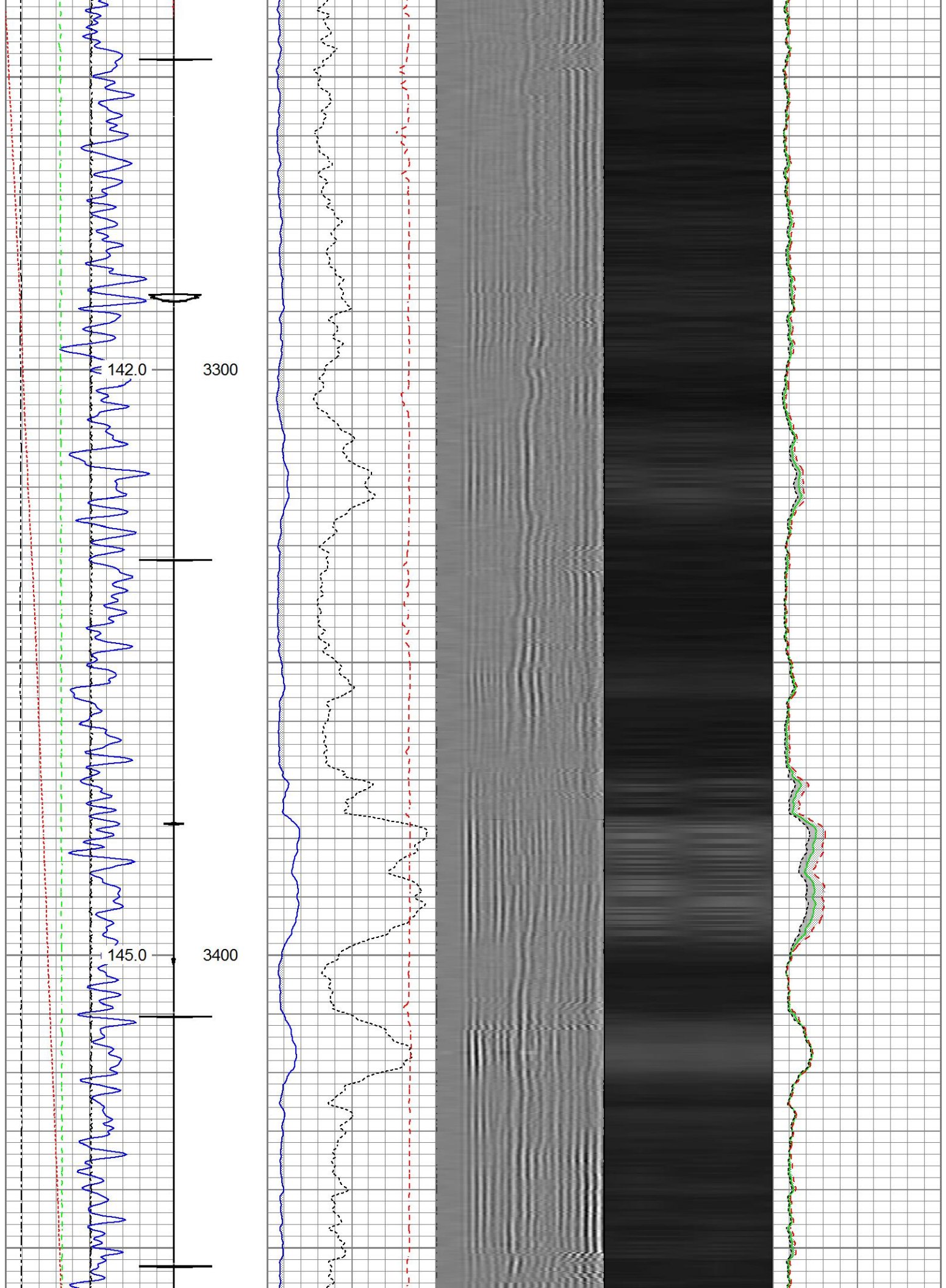


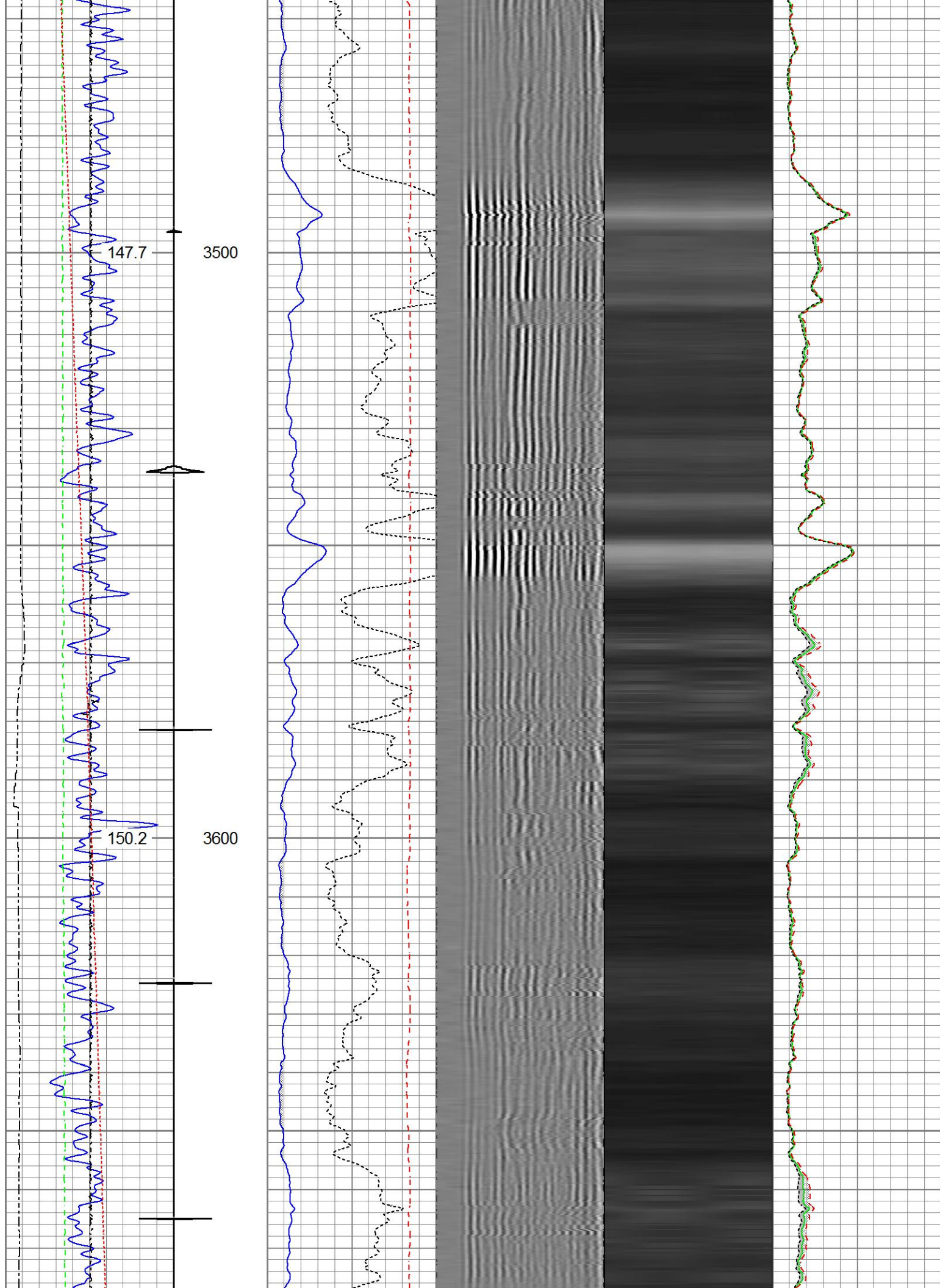


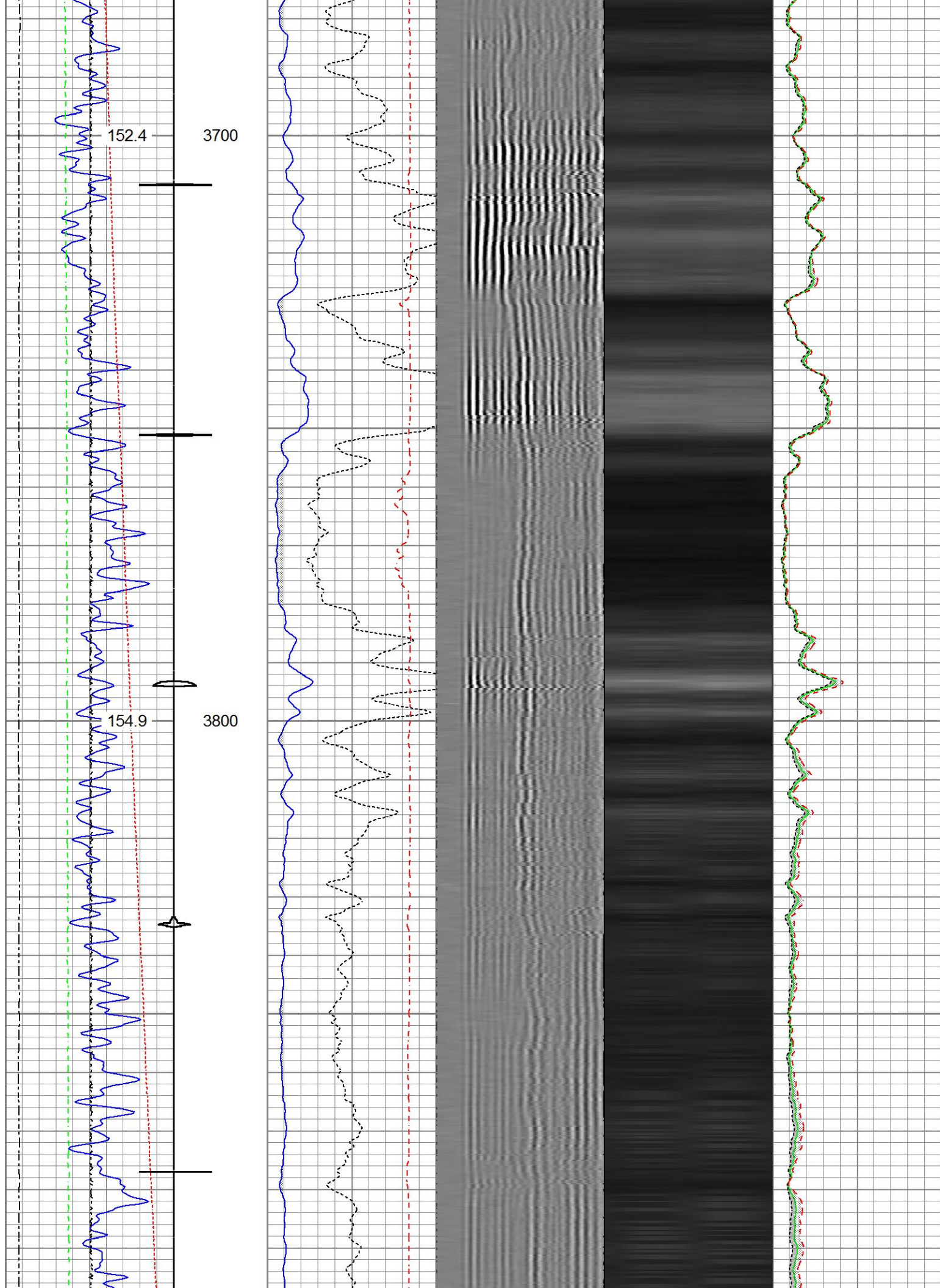


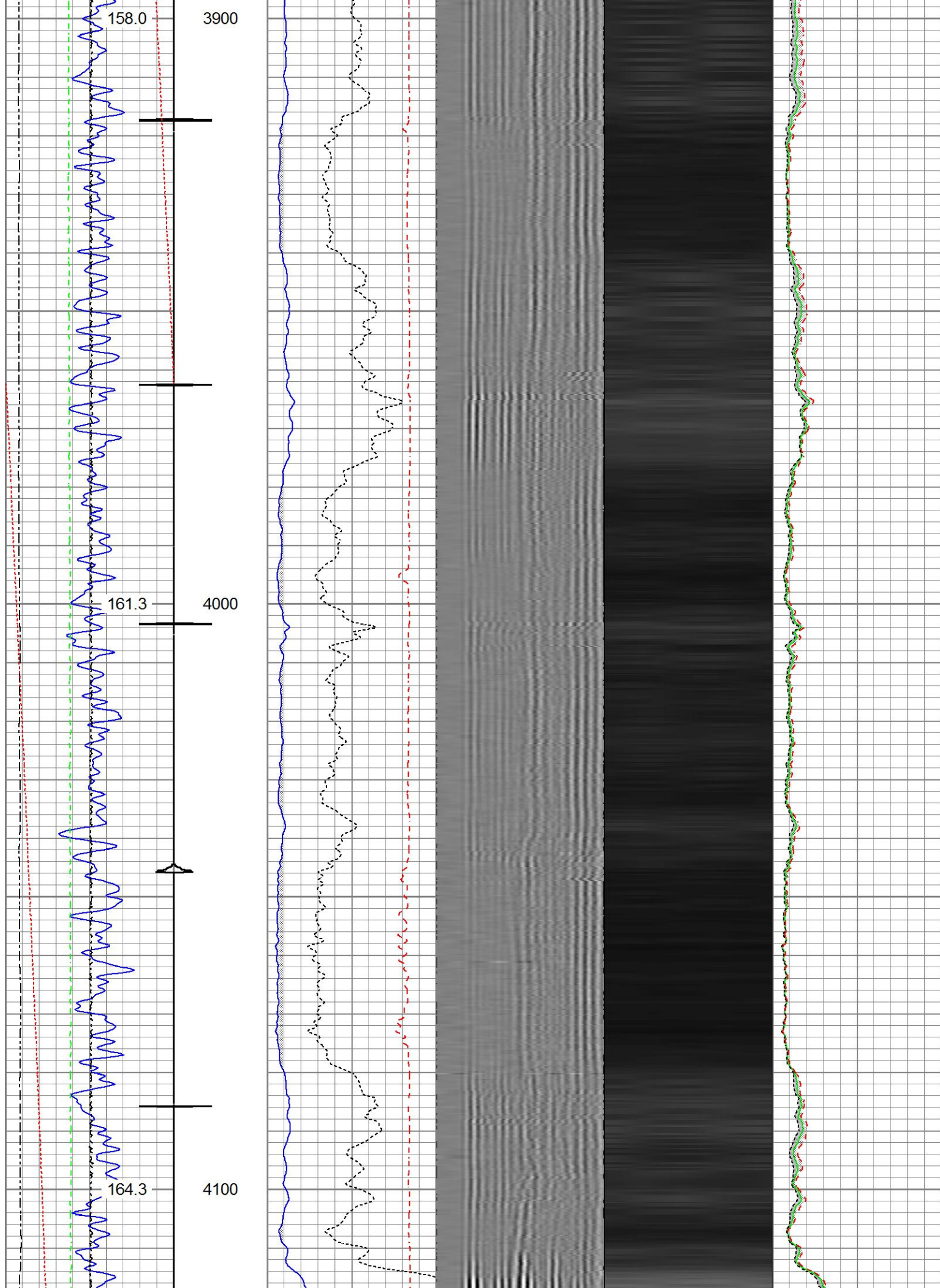


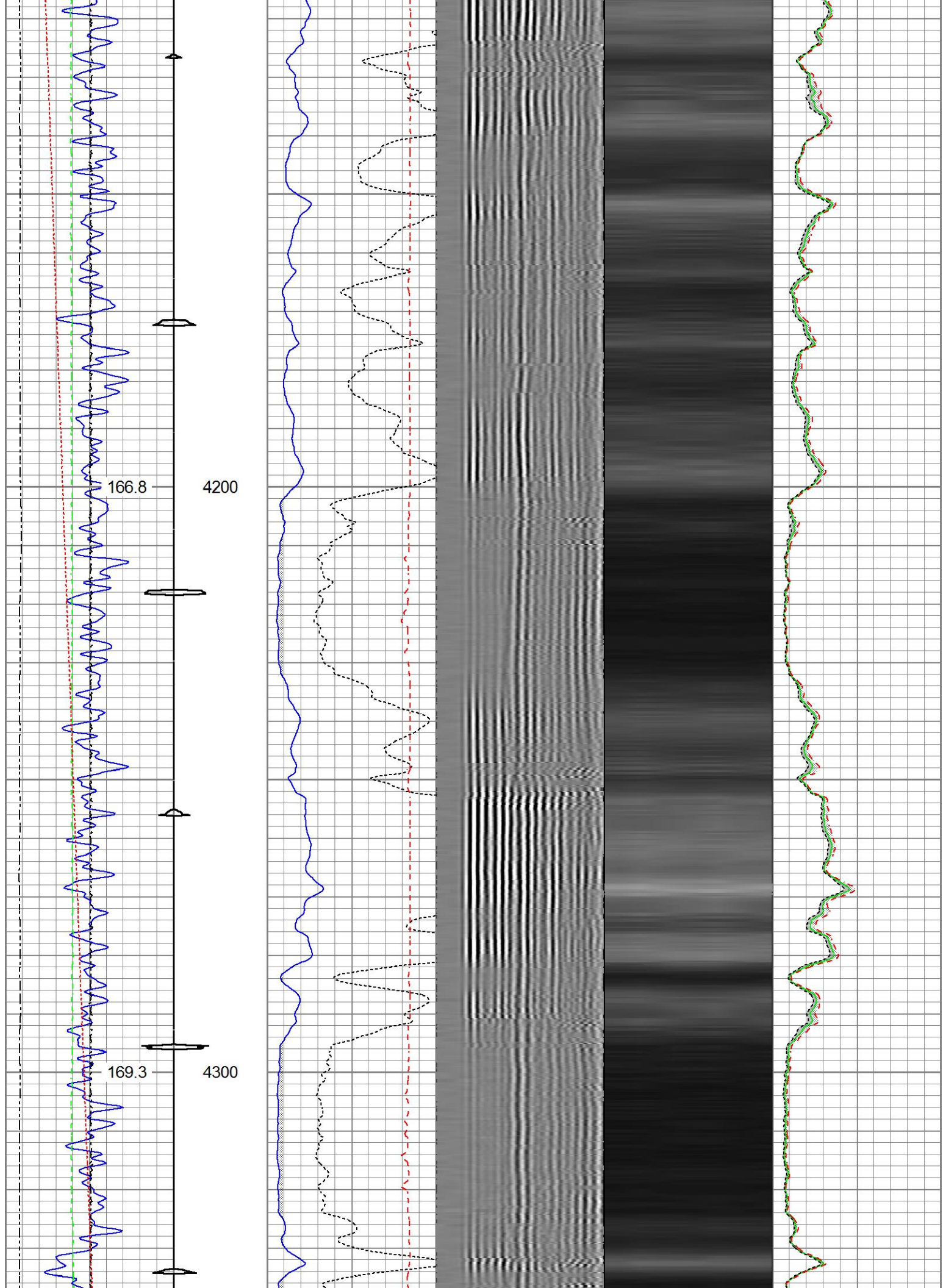


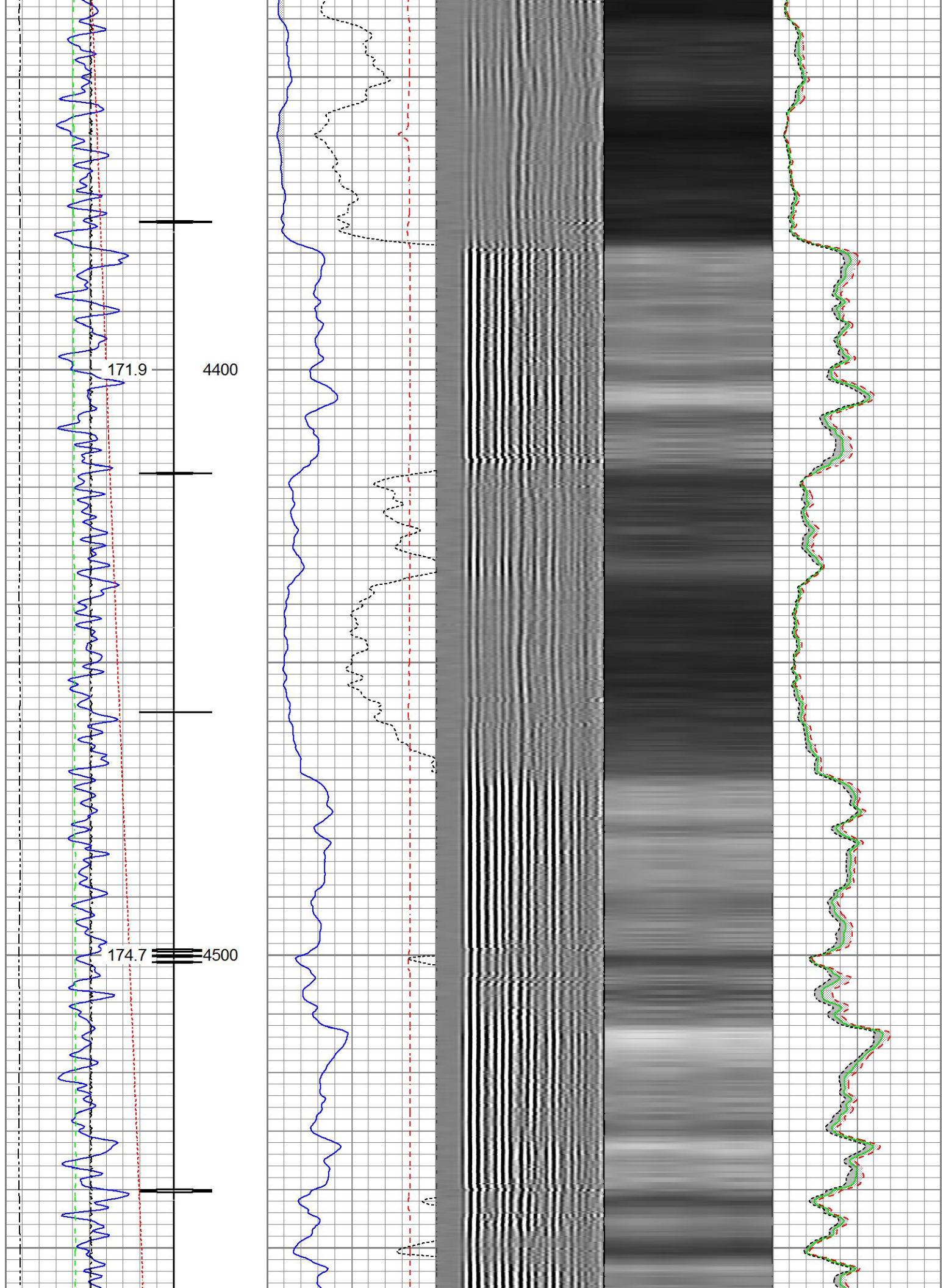


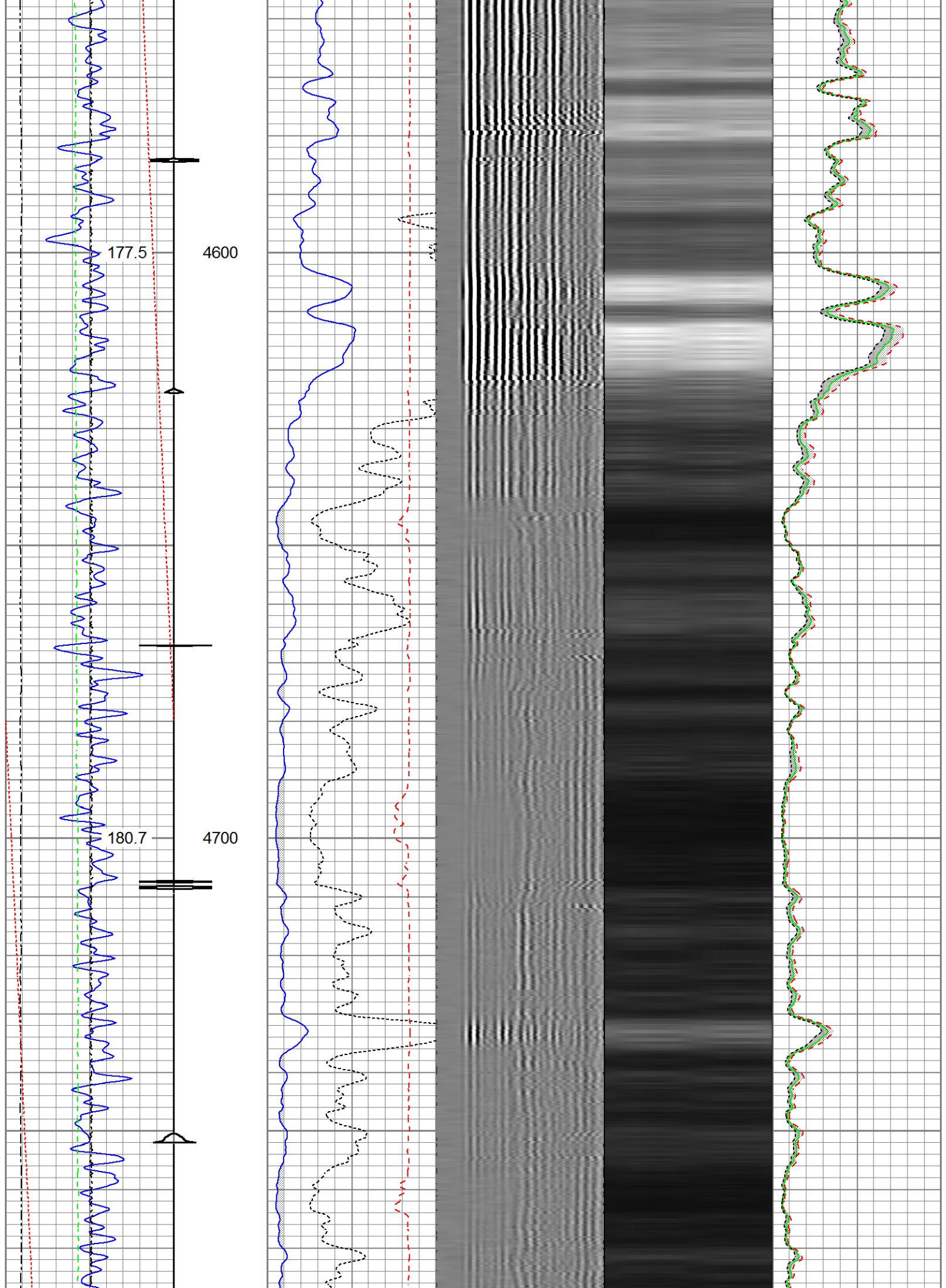


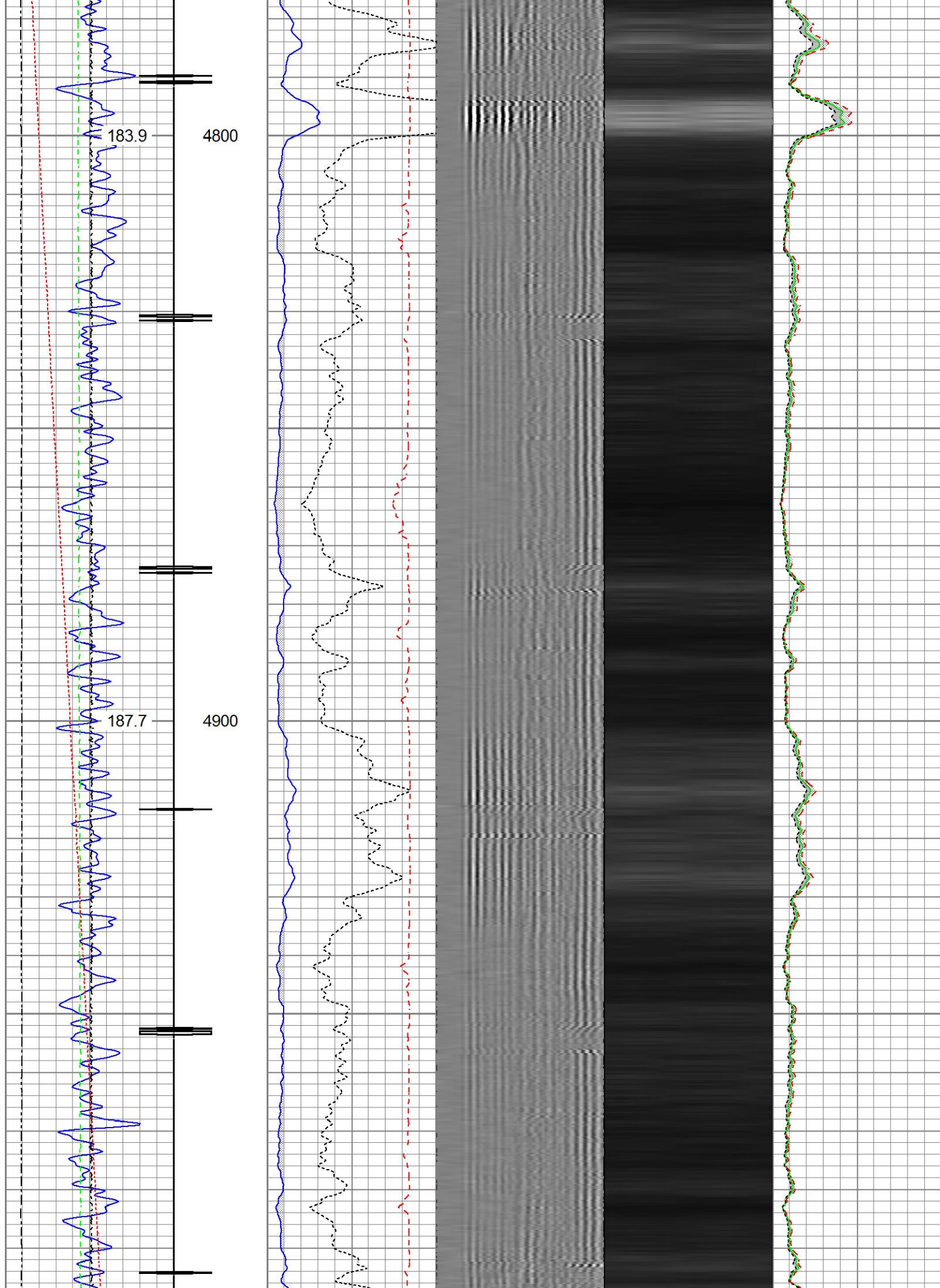


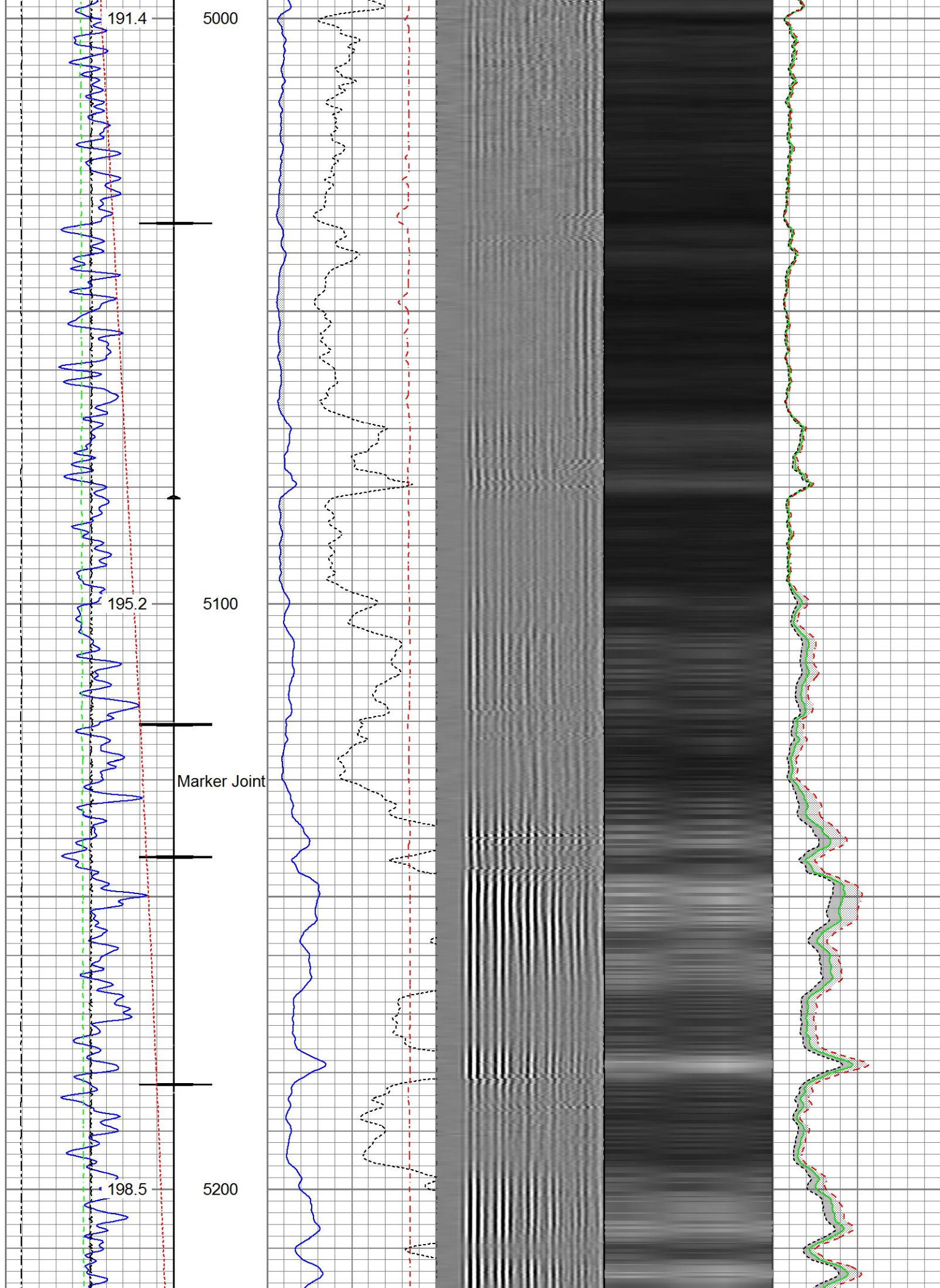


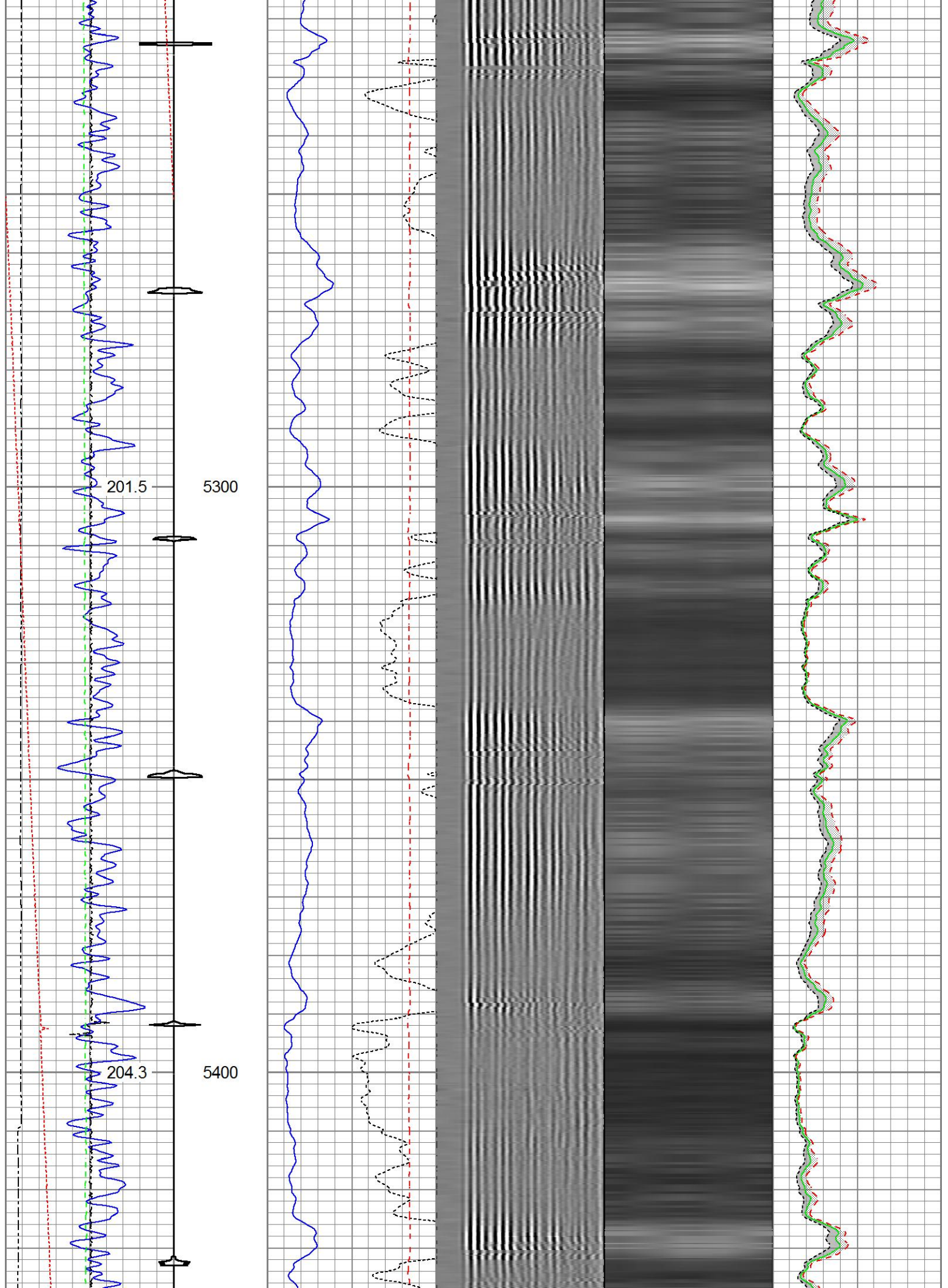


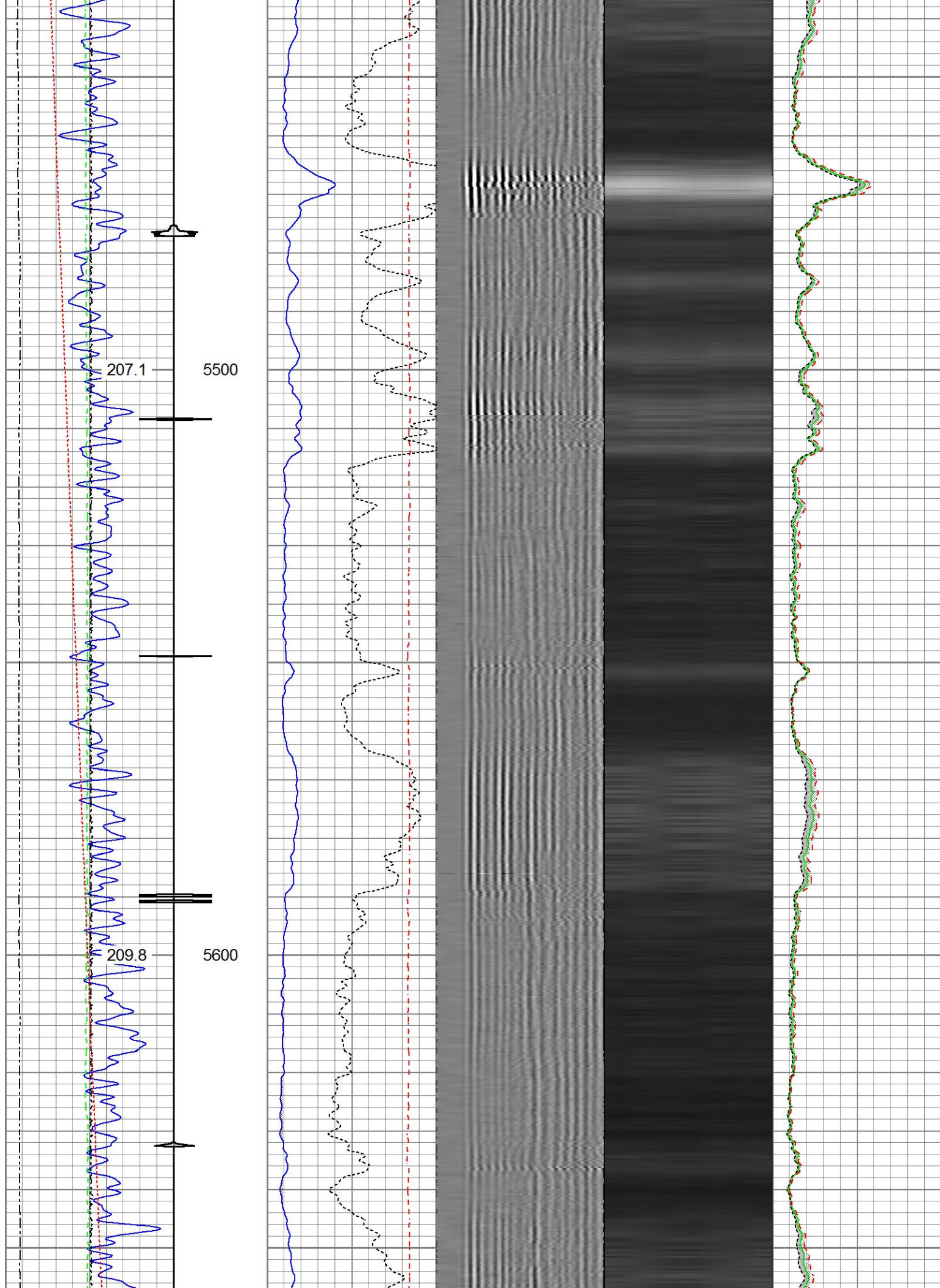


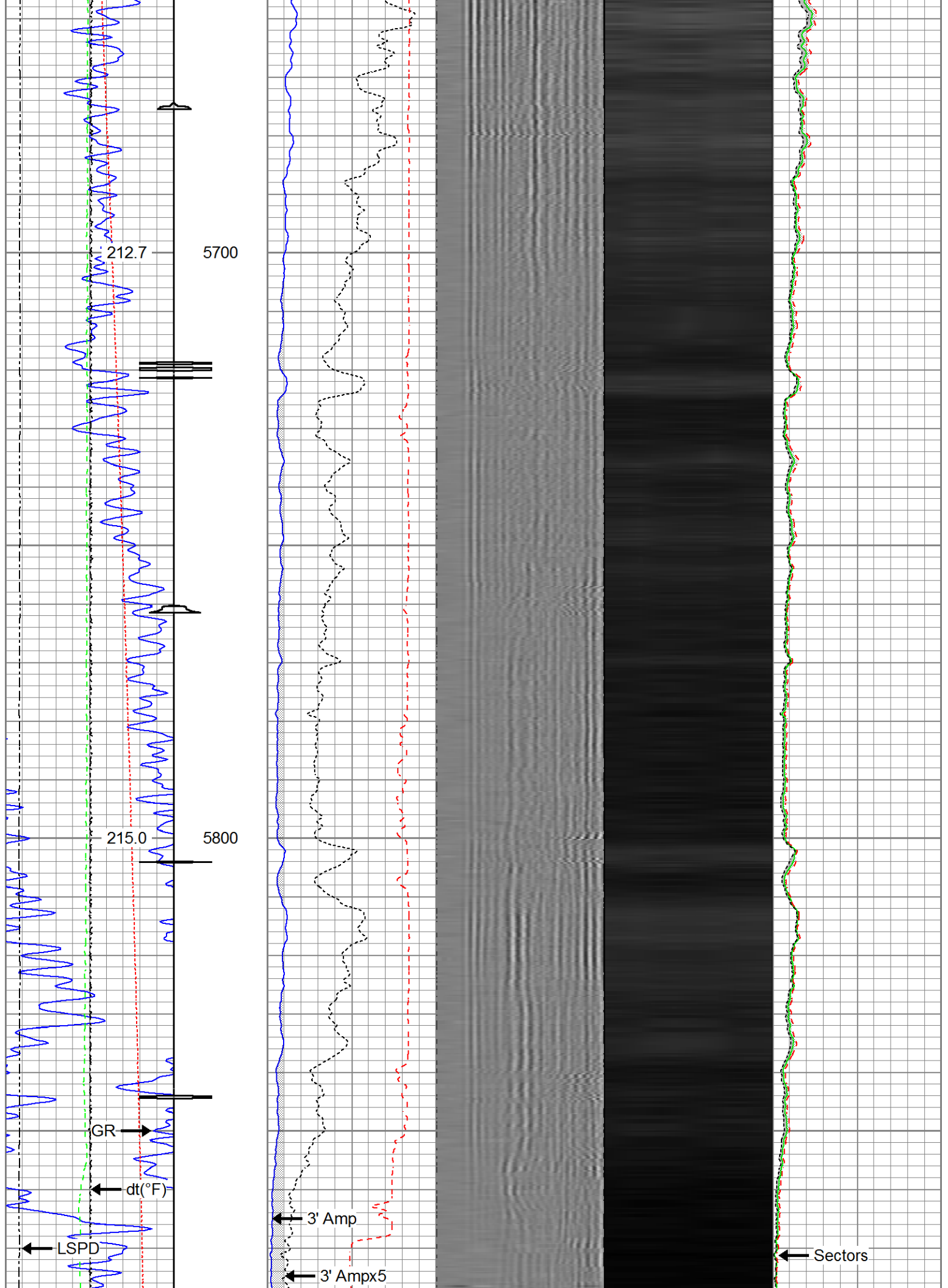


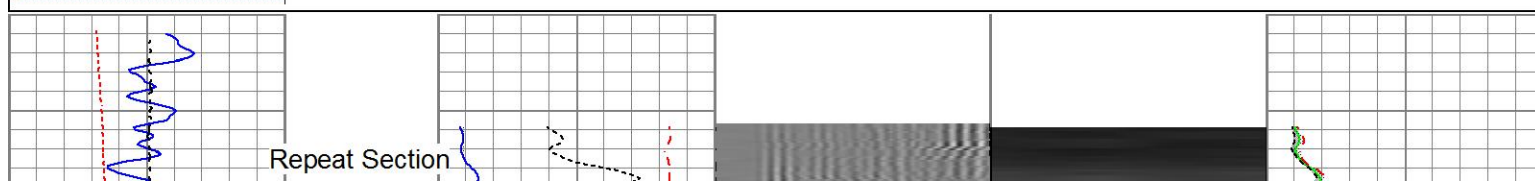
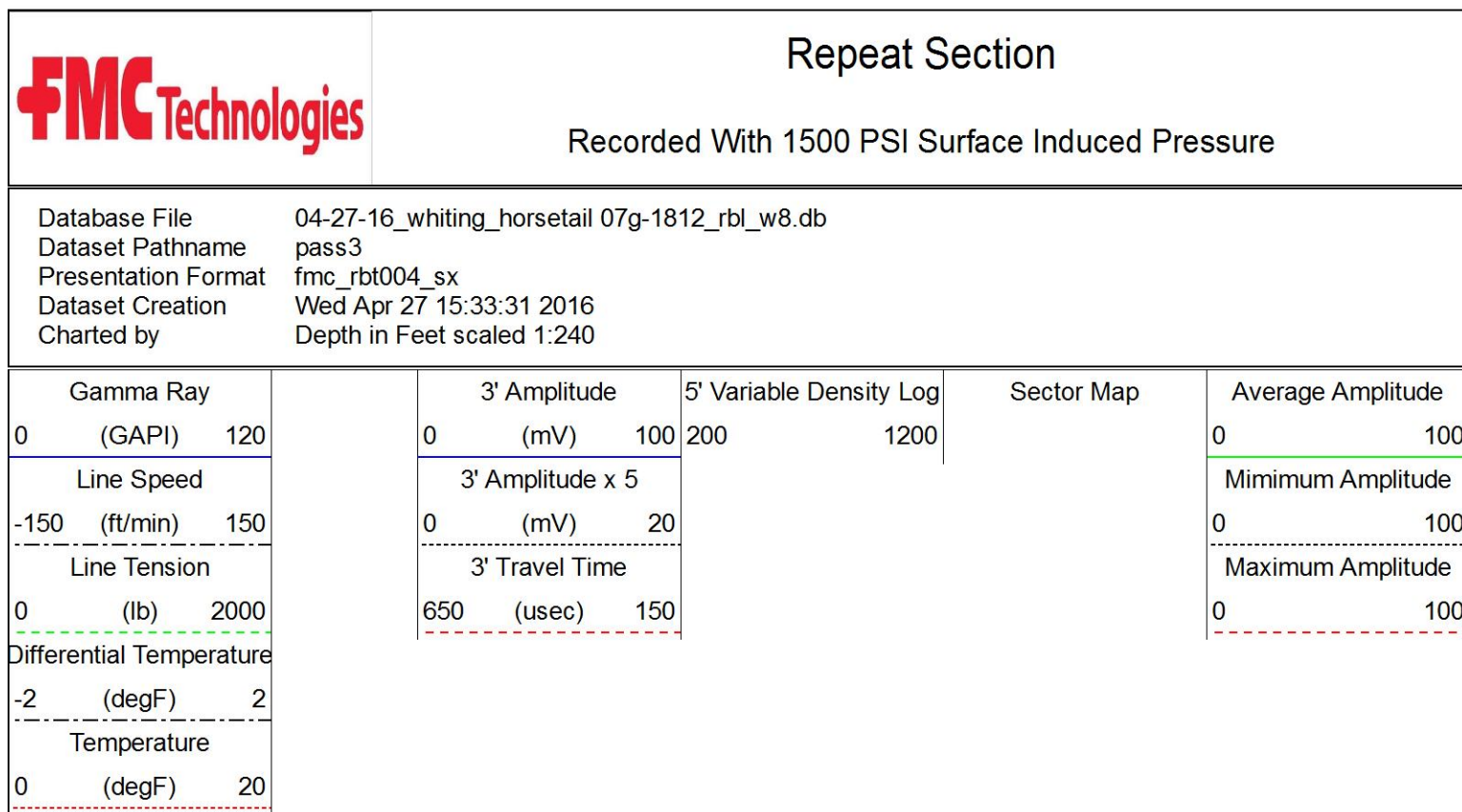
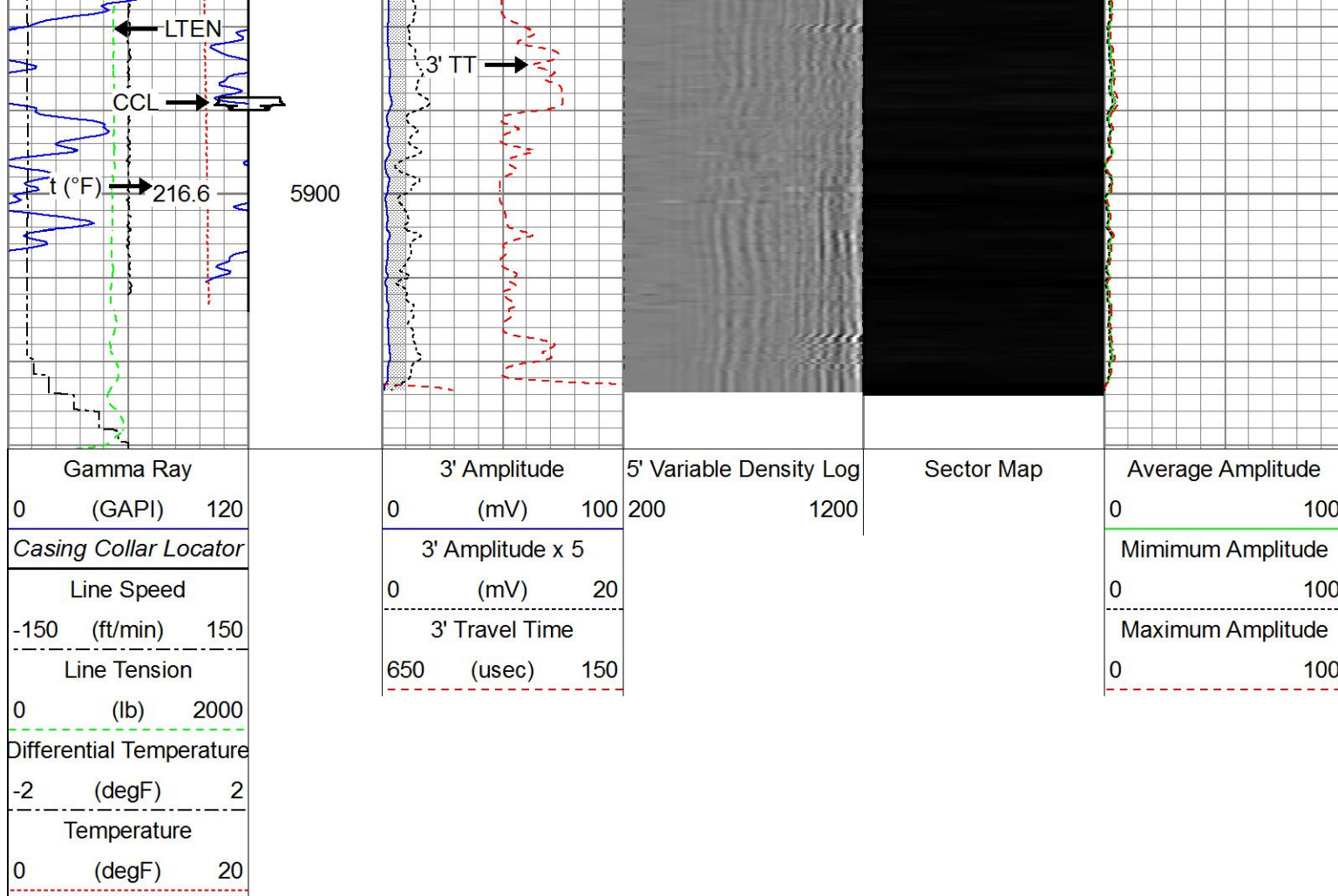


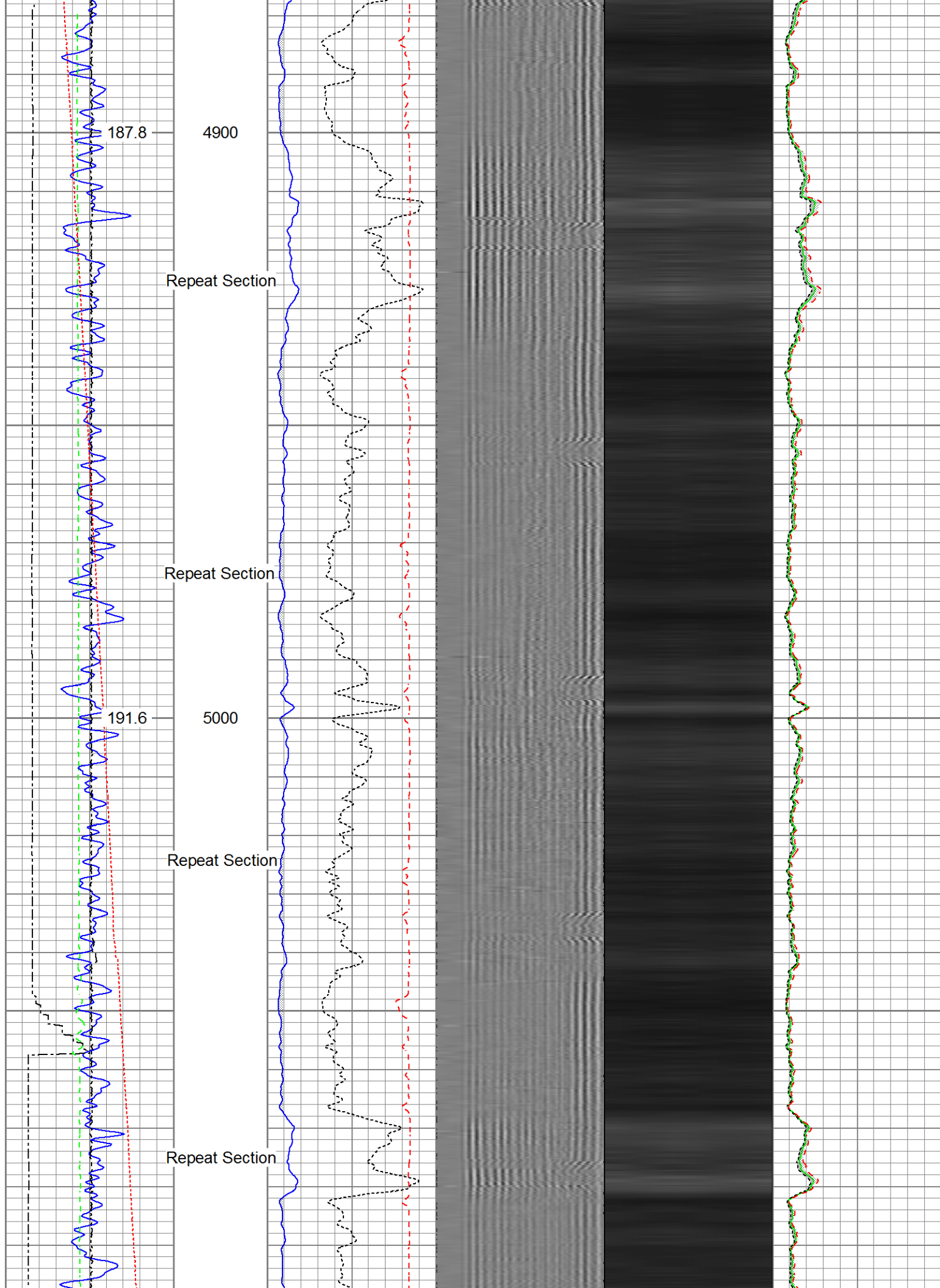


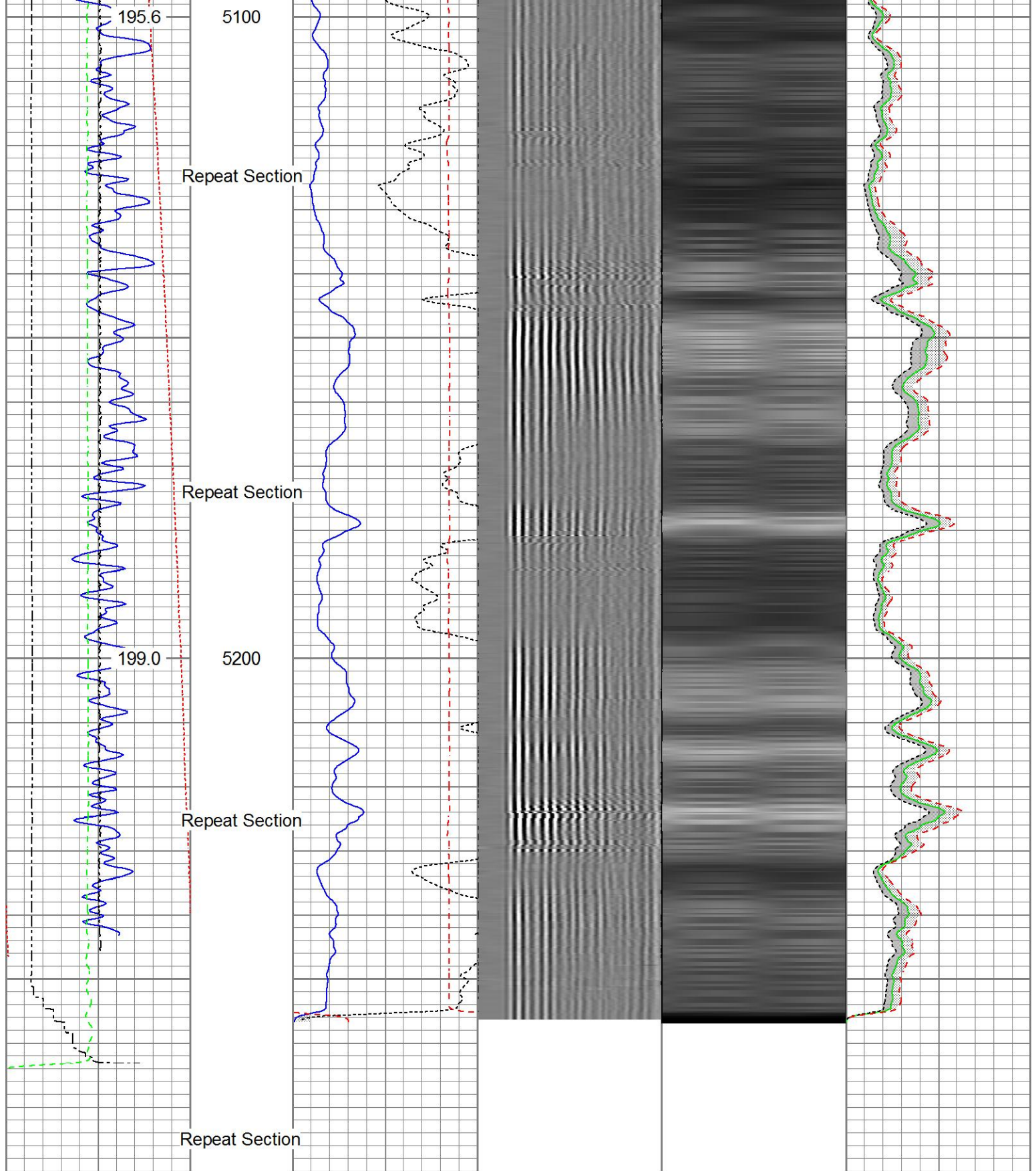












Gamma Ray		3' Amplitude		5' Variable Density Log		Sector Map		Average Amplitude	
0	(GAPI) 120	0	(mV) 100	200	1200			0	100
Line Speed		3' Amplitude x 5						Minimum Amplitude	
-150	(ft/min) 150	0	(mV) 20					0	100
Line Tension		3' Travel Time						Maximum Amplitude	
0	(lb) 2000	650	(usec) 150					0	100
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 (219135)	0.21	1.69	1.00
			Sondex Adapter - GO Box to Sondex Pin			
TEMP	16.54		UW_XTU-UW_XTU_002 (219135)	1.58	1.69	6.50
			Crossover Ultrawire Toolbus to Ultralink			
CCL	15.30		UW_PGR-UW_PGR_020 (10013899)	1.92	1.69	9.50
			Production Gamma Ray			
CBLROT	7.90		UW_PRT-PRT_016 (10025100)	1.04	1.69	5.20
			Platinum Resistance Thermometer			
		UW_CCL-UW_CCL_028 (10018437)	1.61	3.13	36.00	
		3-1/8" Ultrawire Casing Collar Locator				
WVFS8	7.90	UW_PRC-DSS_RAC	2.55	2.75	32.00	
WVFS7	7.90					
WVFS6	7.90					
WVFS5	7.90					
WVFS4	7.90					
WVFS3	7.90					
WVFS2	7.90					
WVFS1	7.90					
WVF3FT	7.90	UW_RBT-UW_RBT_004 (1066)	9.48	3.13	140.00	
WVF5FT	6.90					
CBLTEMP	2.77	UW_PRC-DSS_RAC	2.55	2.75	32.00	
TSTAMP	0.00					
		UW_BUL-UW_BUL_006 (031422)	0.22	1.69	1.20	

Dataset: 04-27-16_Whiting_Horsetail 07G-1812_RBL_W8.db: field/well/run1/pass5.1
 Total length: 22.19 ft
 Total weight: 268.80 lb
 O.D.: 3.13 in

Calibration Report

Database File 04-27-16_Whiting_Horsetail 07G-1812_RBL_W8.db
 Dataset Pathname pass5.1
 Dataset Creation Wed Apr 27 16:53:46 2016

Segmented Cement Bond Log Calibration Report

Serial Number: 1066
 Tool Model: UW_RBT_004

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 13.750 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.000	0.921	0.800	71.921	77.196	0.800
5FT	-0.040	0.952	0.800	71.921	71.735	3.639
S1	0.000	0.900	0.000	100.000	111.112	-0.000
S2	-0.001	0.942	0.000	100.000	106.021	0.150
S3	0.000	0.922	0.000	100.000	108.408	-0.000
S4	-0.001	0.917	0.000	100.000	108.984	0.090
S5	0.000	0.889	0.000	100.000	112.436	-0.000
S6	-0.000	0.904	0.000	100.000	110.555	0.048
S7	-0.000	0.959	0.000	100.000	104.240	0.036
S8	0.000	0.946	0.000	100.000	105.695	-0.000

Temperature Calibration Report

Serial Number: 10025100
 Tool Model: PRT_016
 Performed: Sun Oct 11 12:46:03 2015

Point #	Reading		Reference	
1	13249.00	cps	68.00	degF
2	18454.00	cps	104.00	degF
3	29735.00	cps	176.00	degF
4	41457.00	cps	248.00	degF
5	52851.00	cps	320.00	degF
6	59128.00	cps	356.00	degF
7		cps		degF
8		cps		degF
9		cps		degF
10		cps		degF

Gamma Ray Calibration Report

Serial Number: 10013899
 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	Whiting Oil & Gas Corporation
Well	Horsetail 07G-1812
Field	Wildcat
County	Weld
State	Colorado