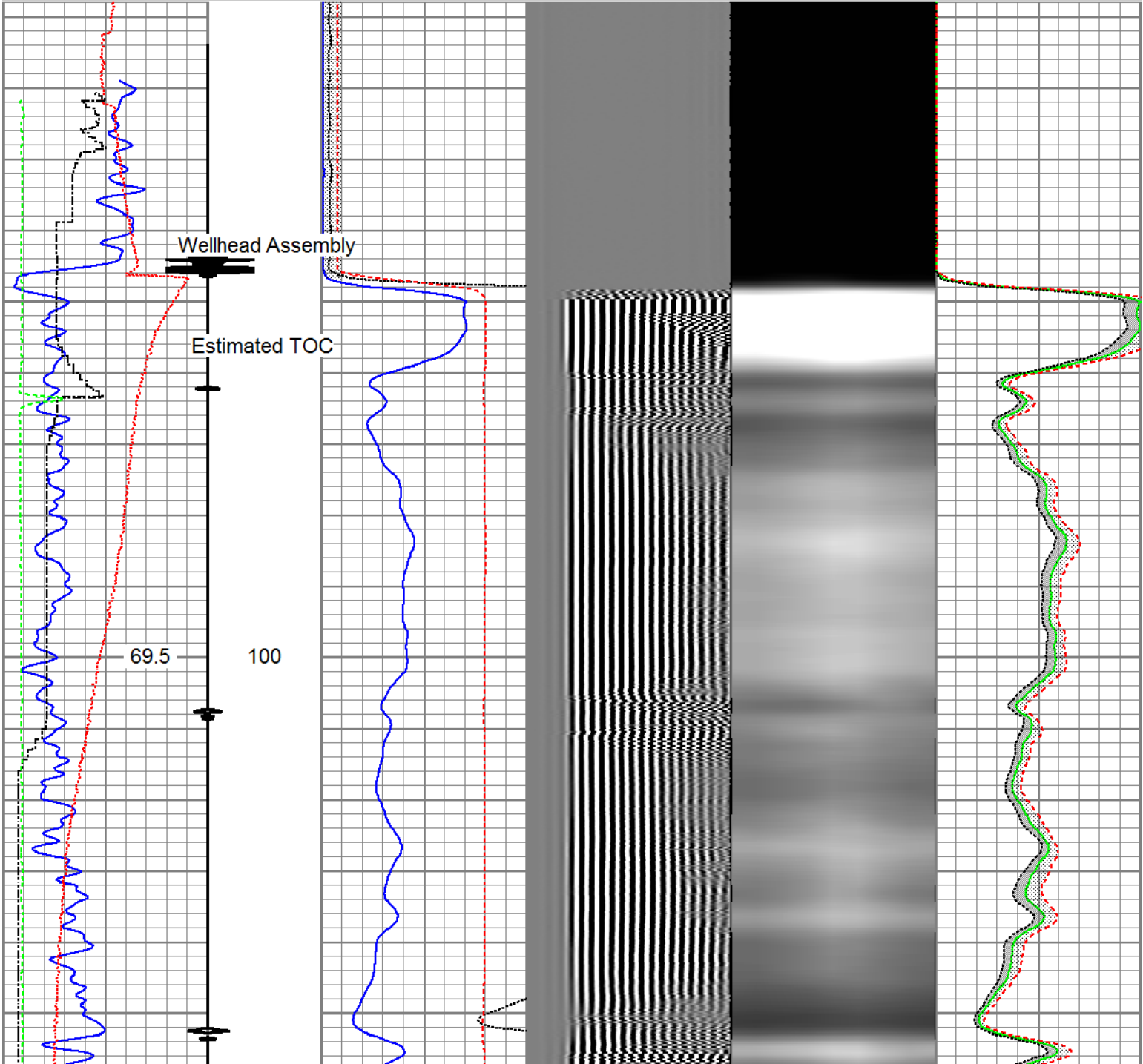


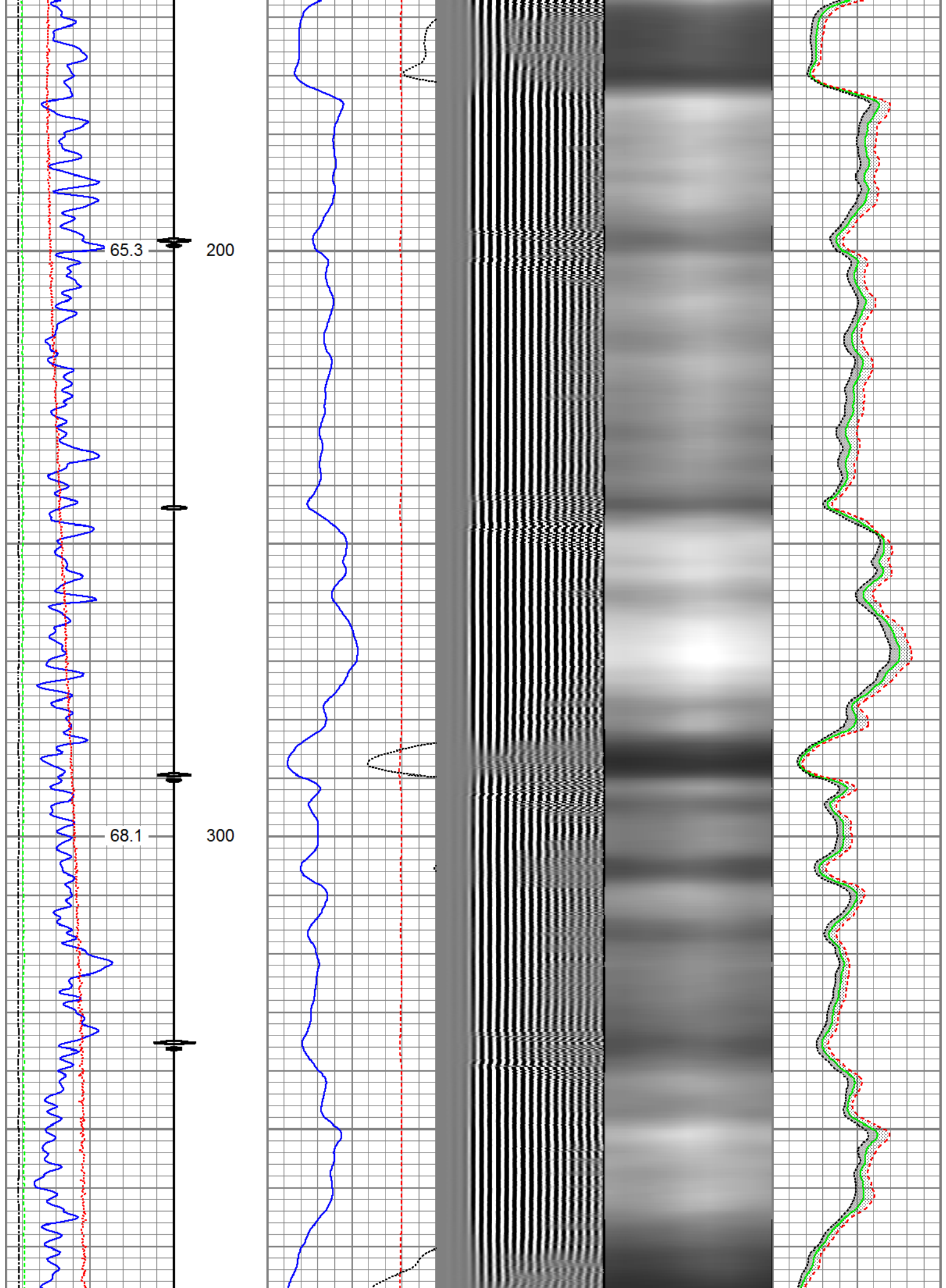


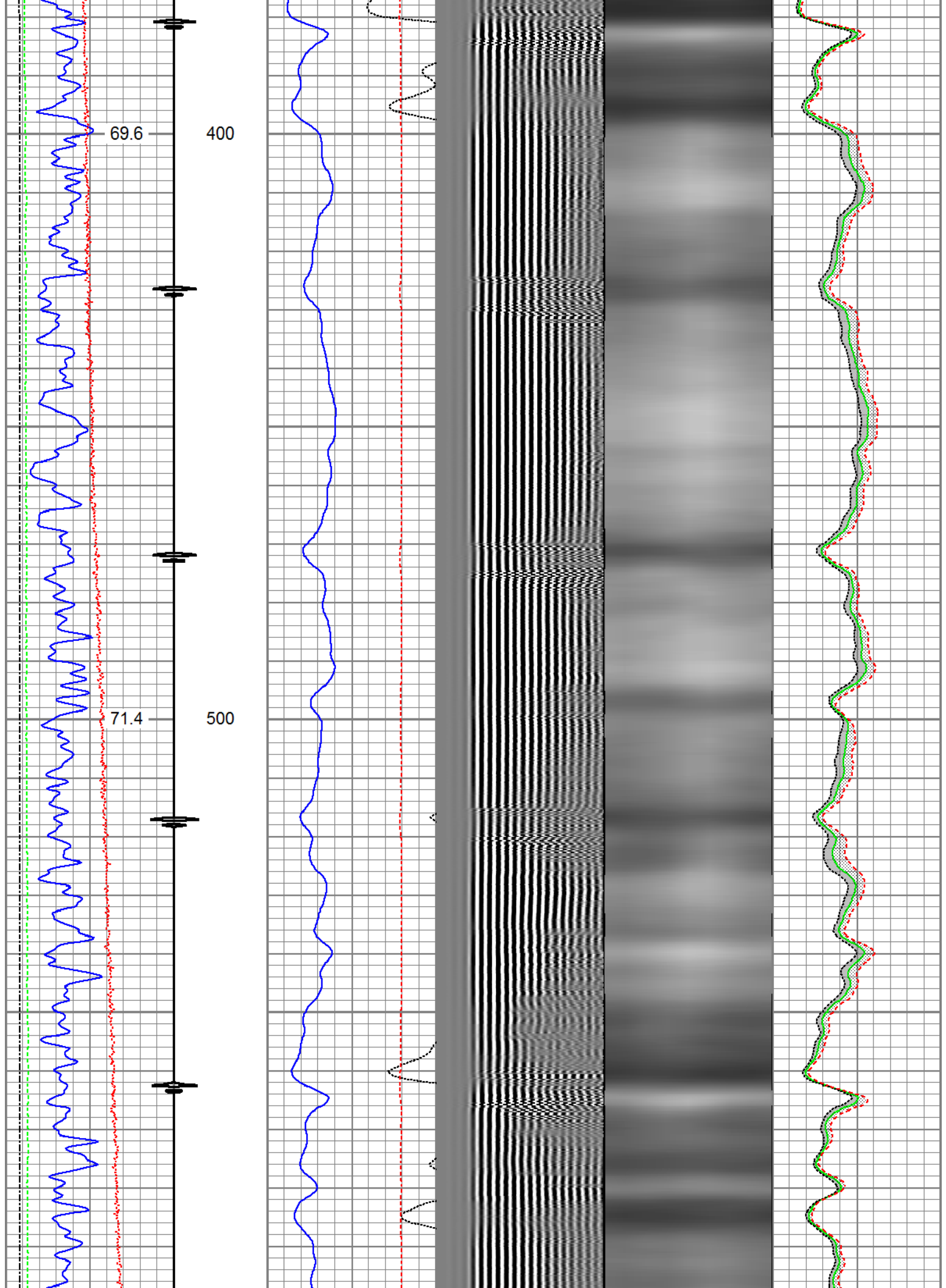
Recorded with 1500 PSI Surface Induced Pressure

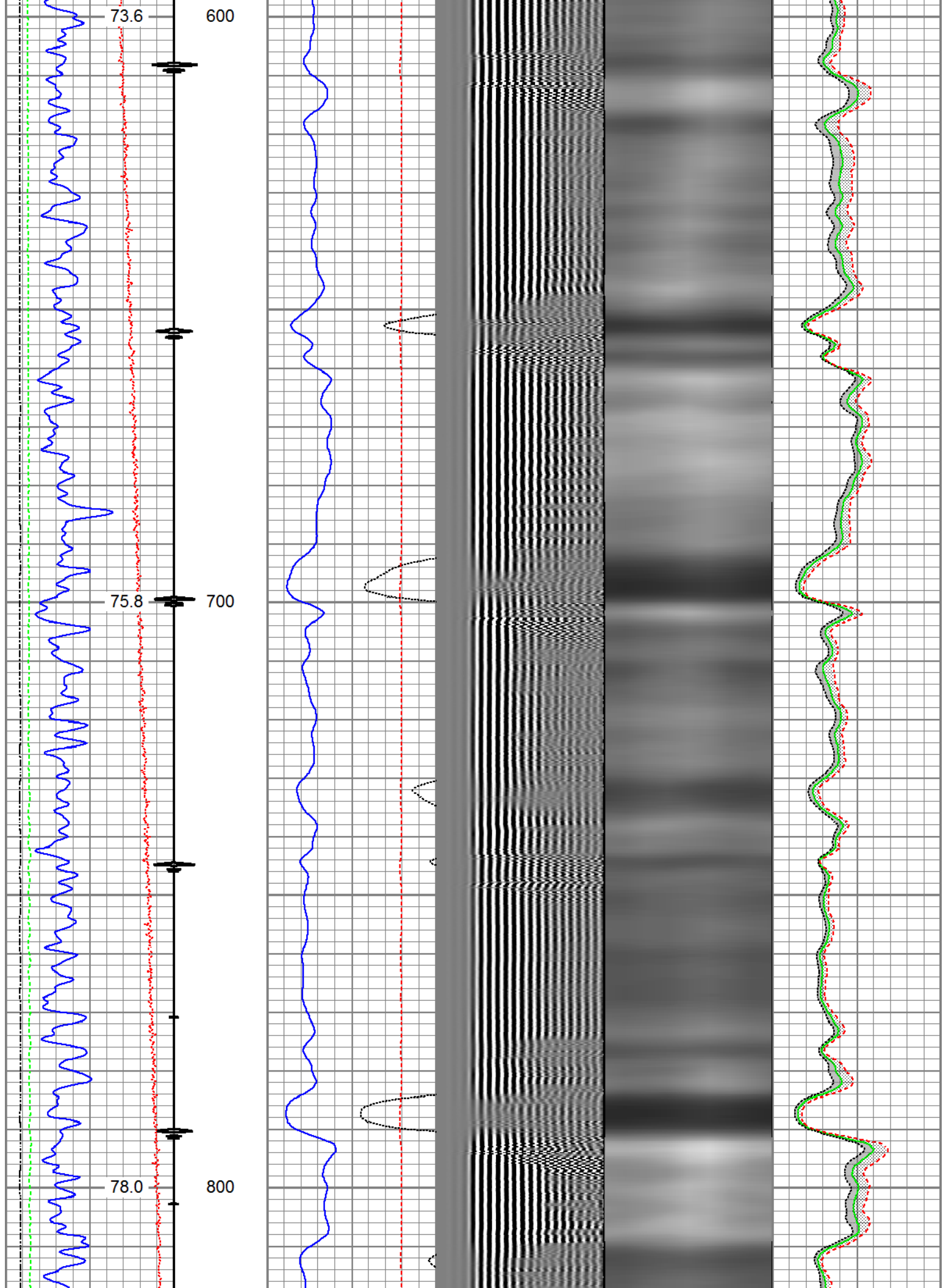
Database File	06-10-16_whiting_horsetail 08c-1707_rbl_w8\06-10-16_whiting_horsetail 08c-1707_rbl_w8.db
Dataset Pathname	Main
Presentation Format	ros_radri
Dataset Creation	Fri Jun 10 10:51:10 2016
Charted by	Depth in Feet scaled 1:240

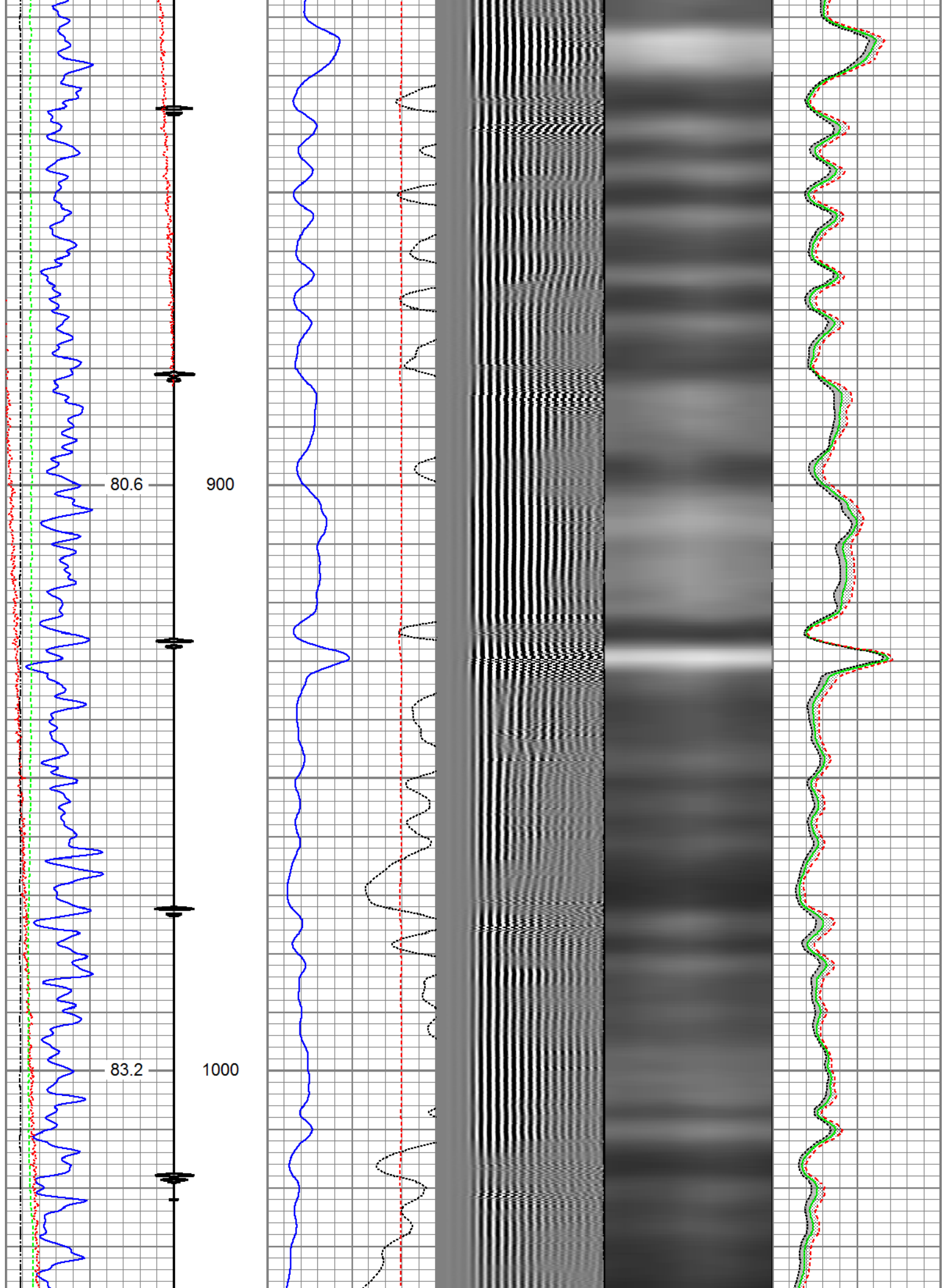
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
	0 (mV) 20			0 100
Temperature	3' Travel Time			Maximum Amplitude
0 (degF) 20	650 (usec) 150			0 100
Line Speed				
-150 (ft/min)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

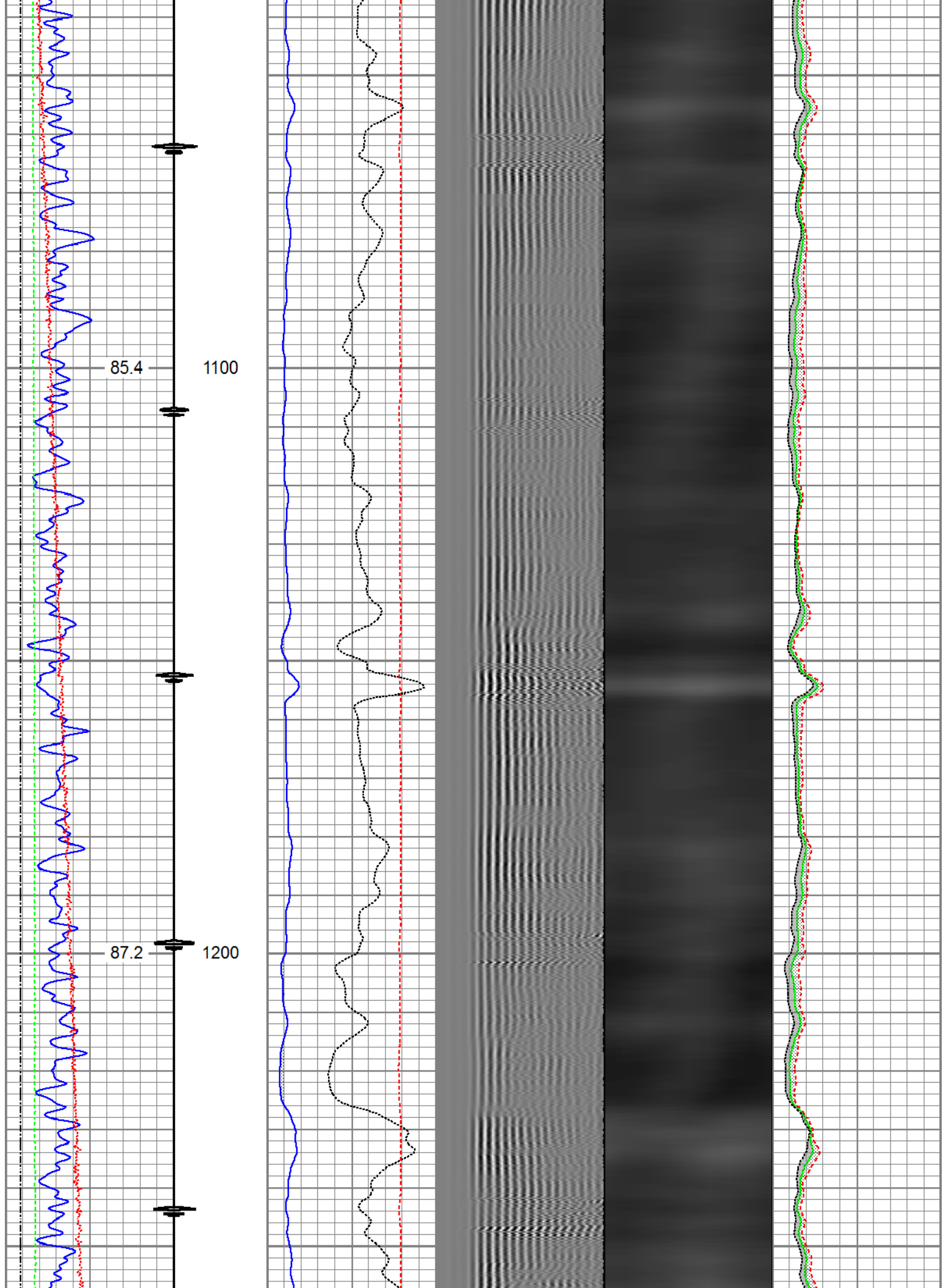


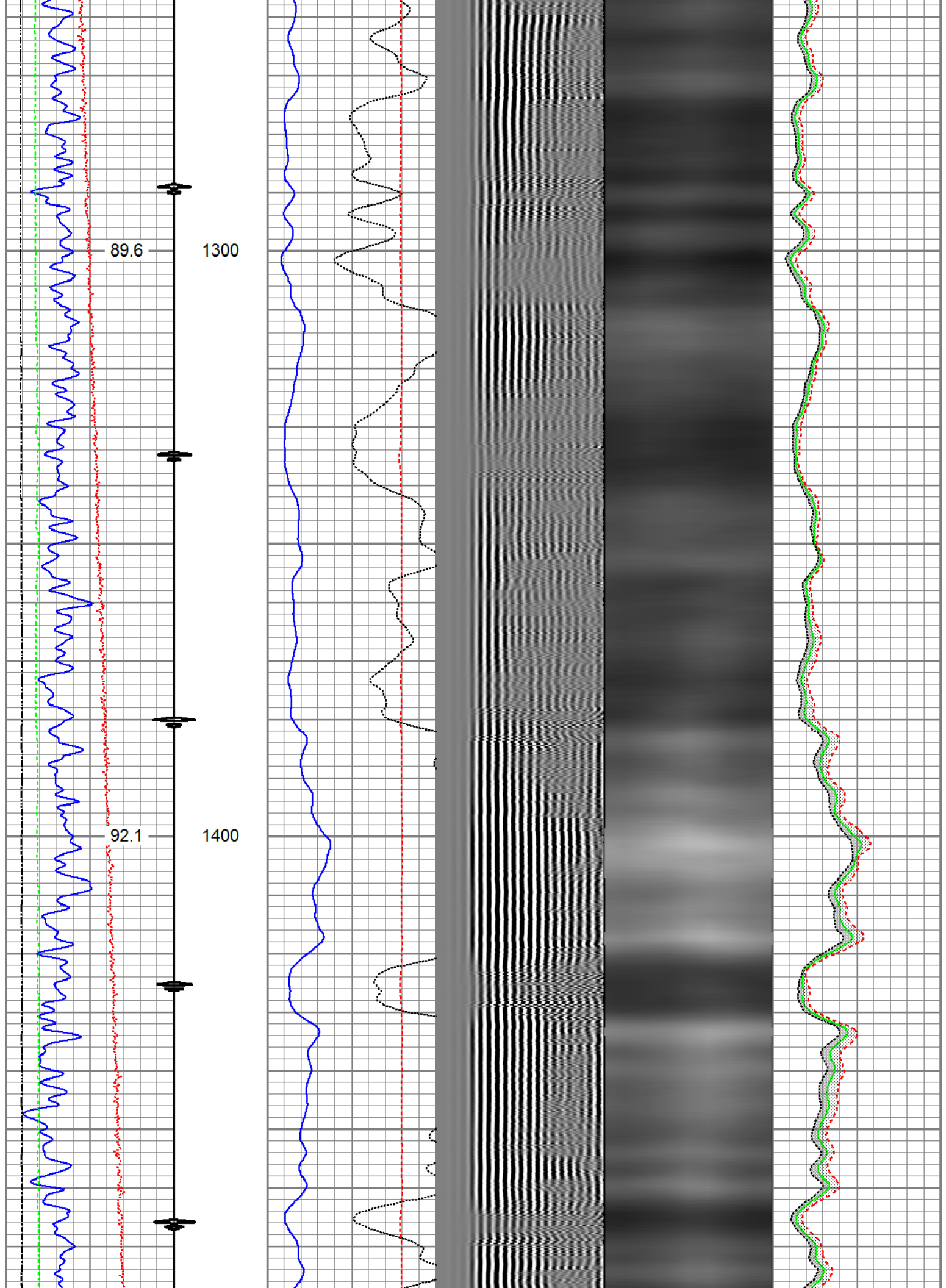


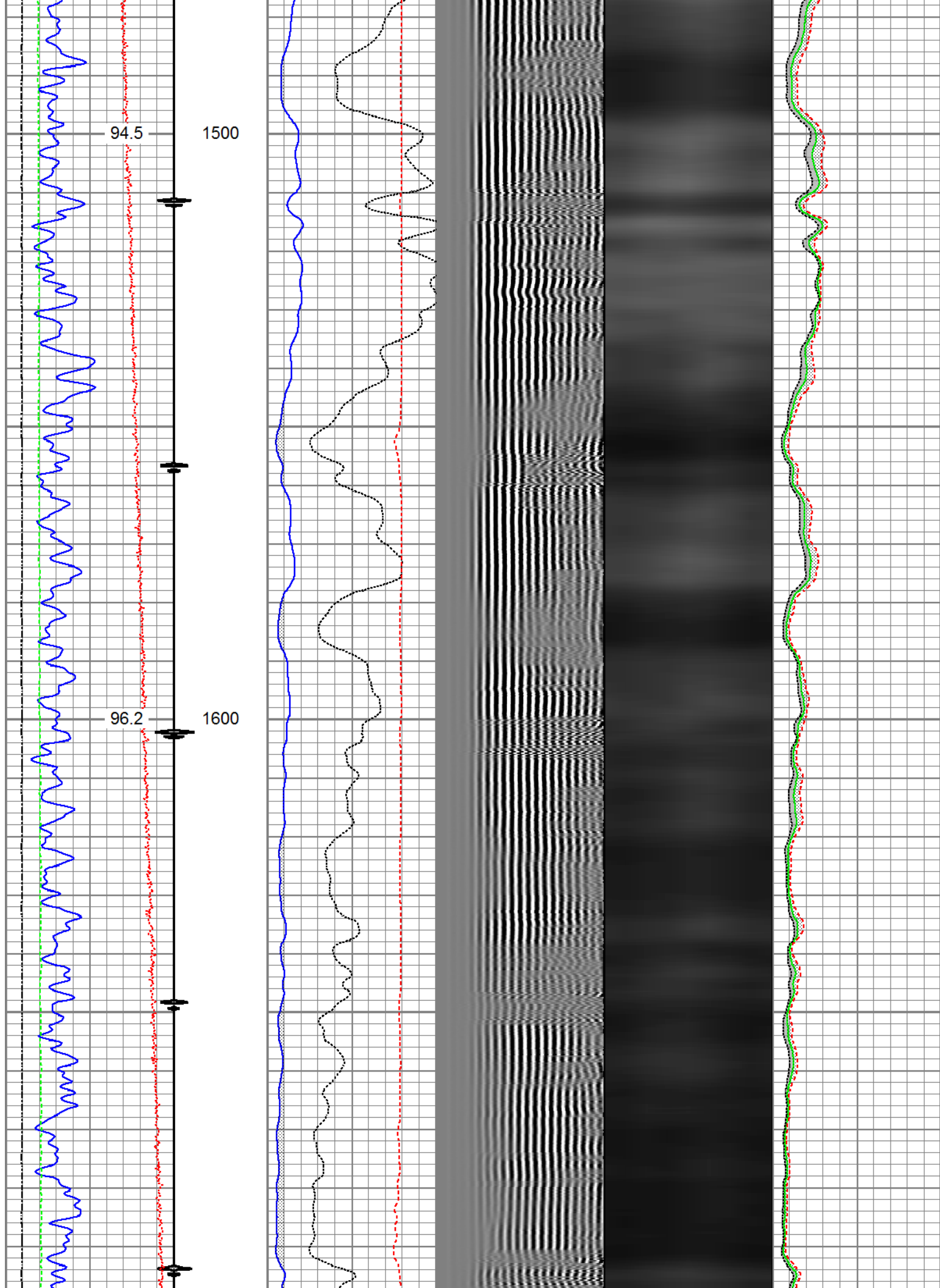


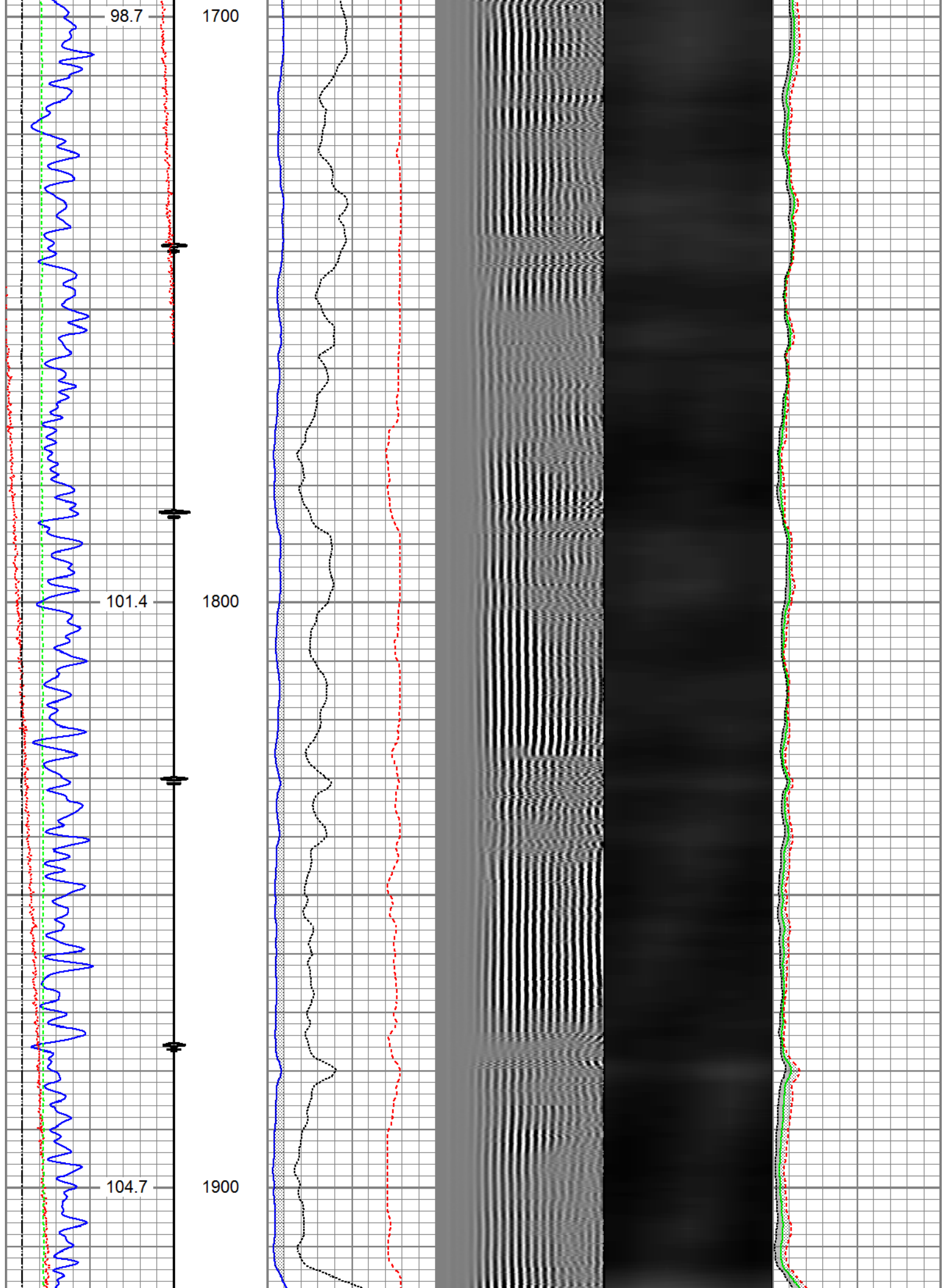


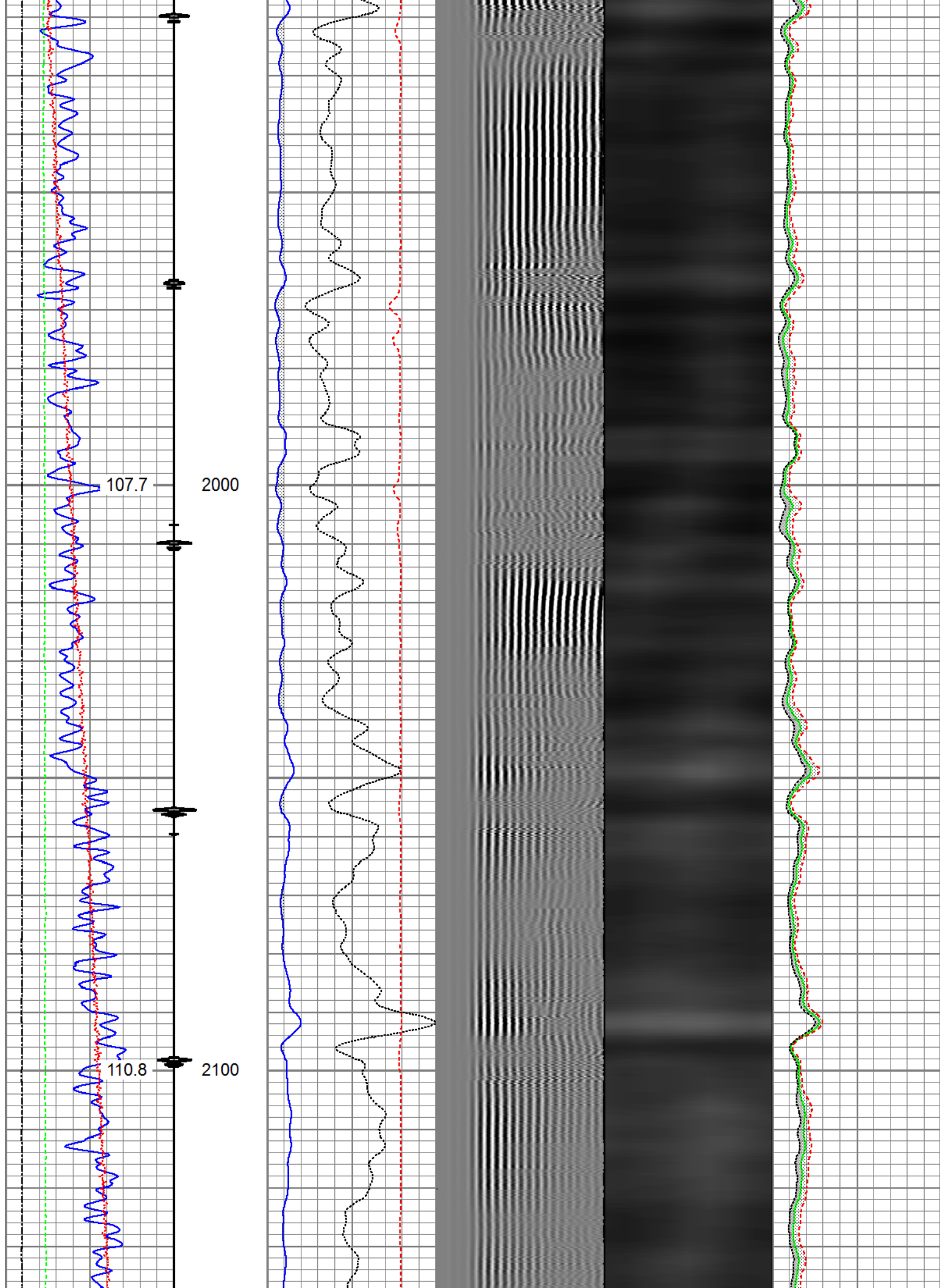


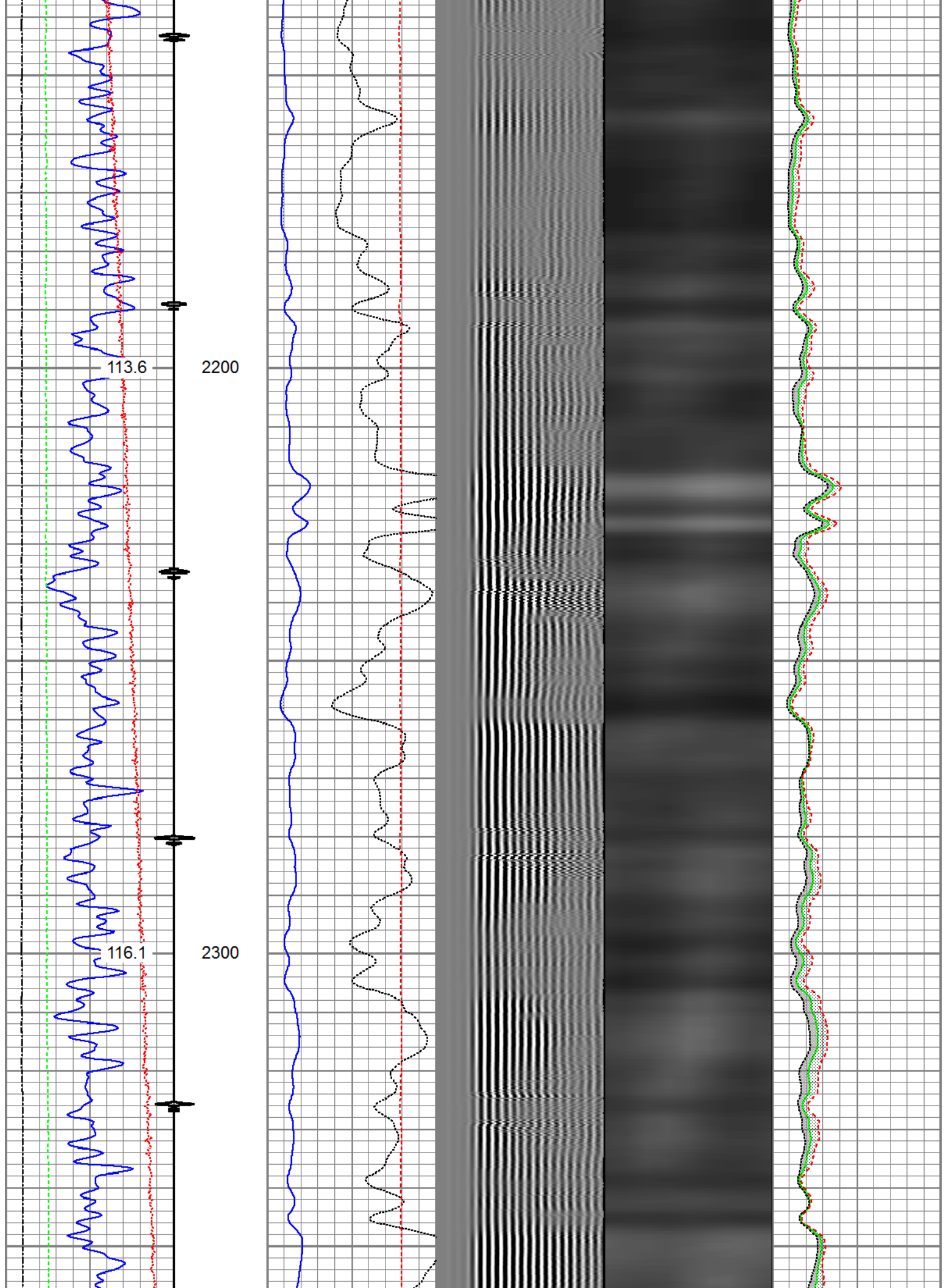


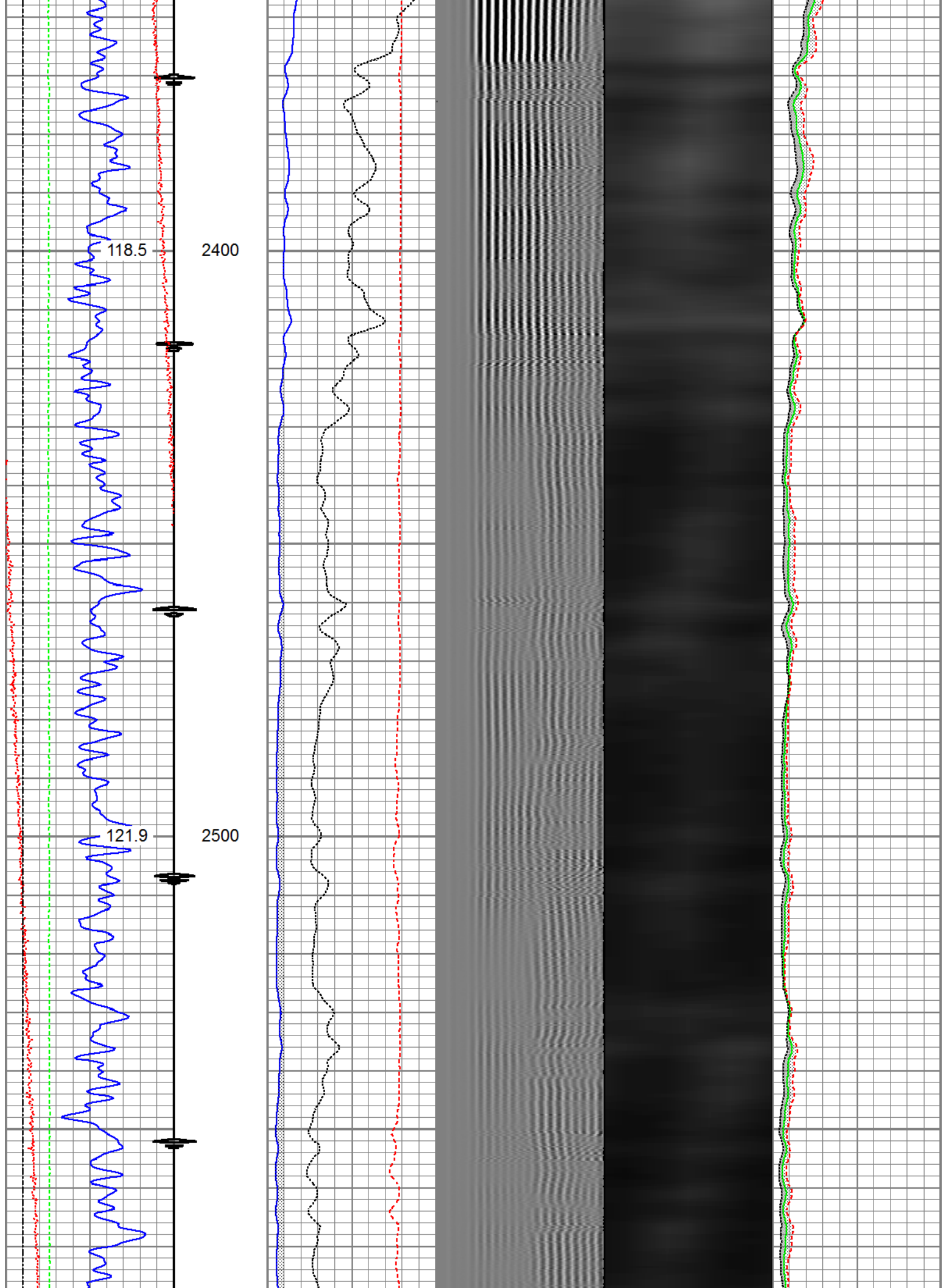


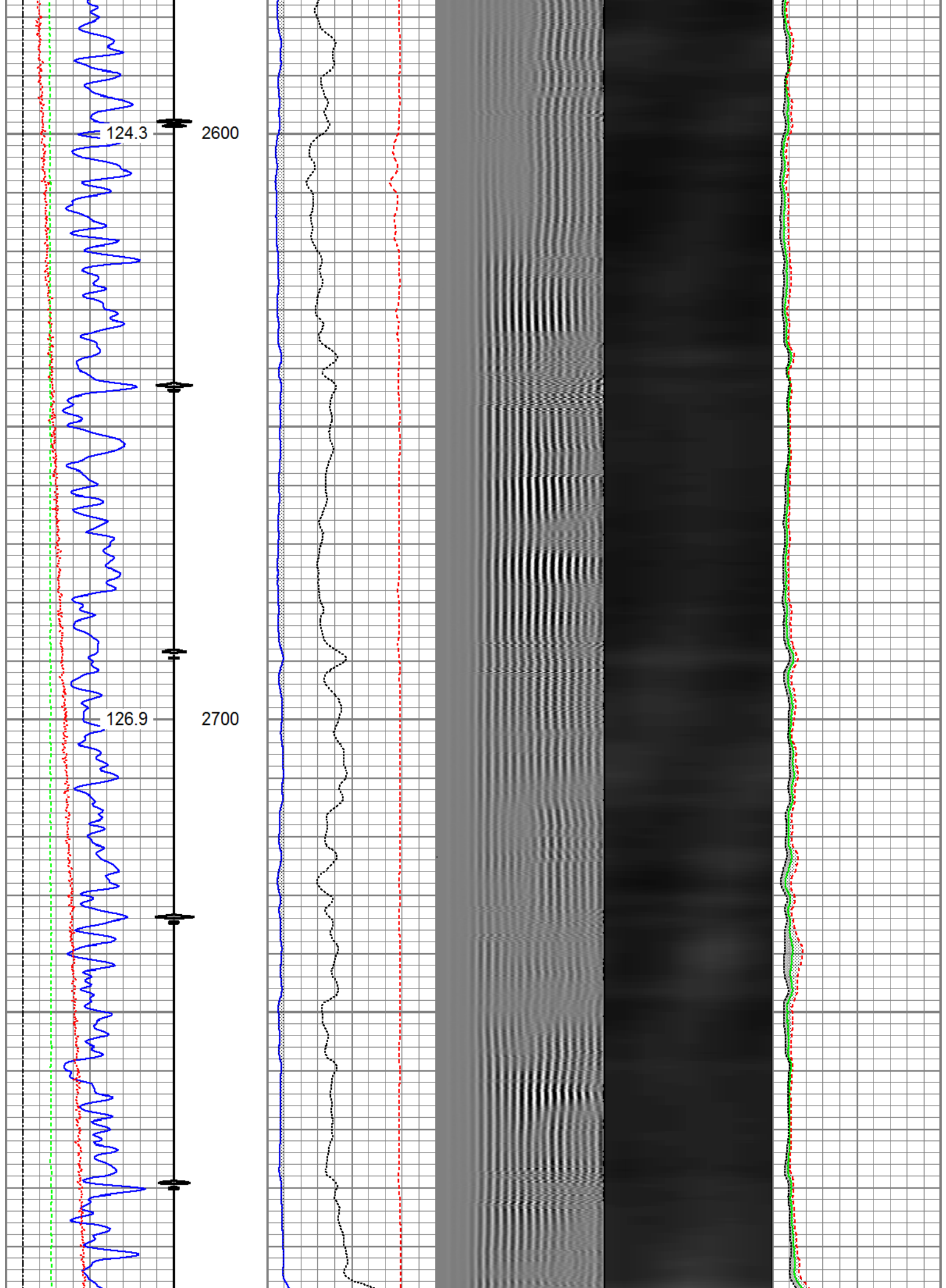


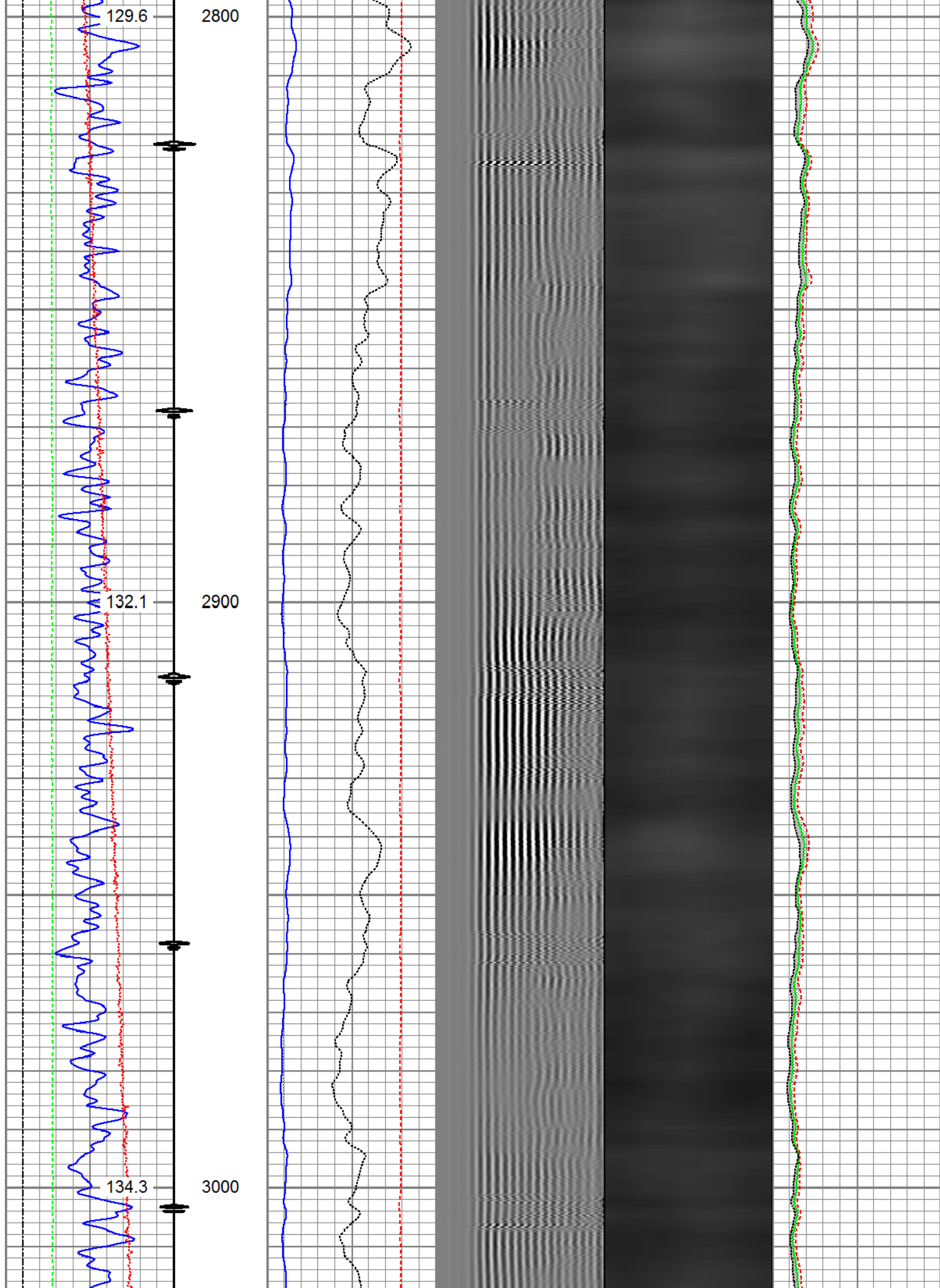


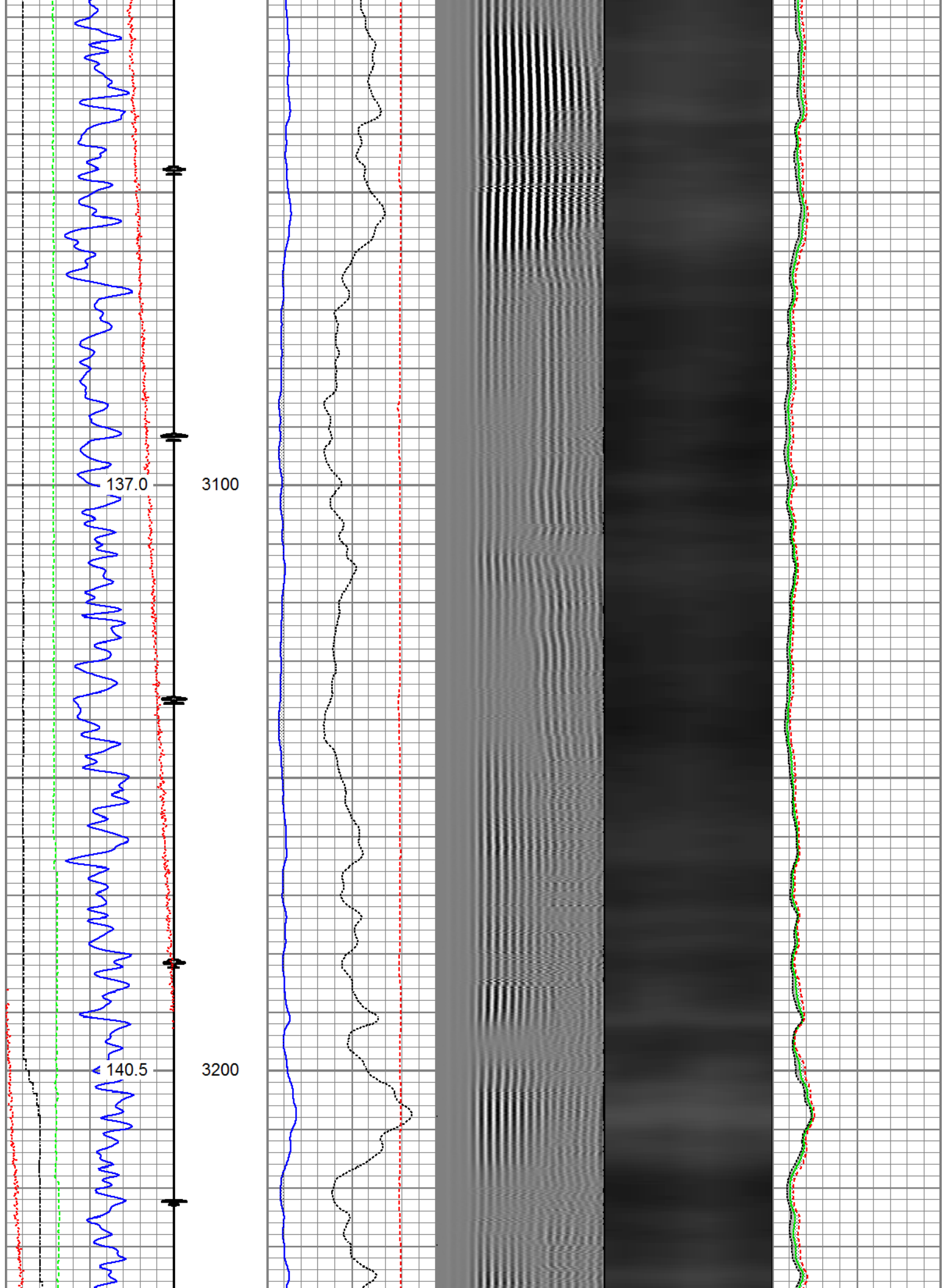


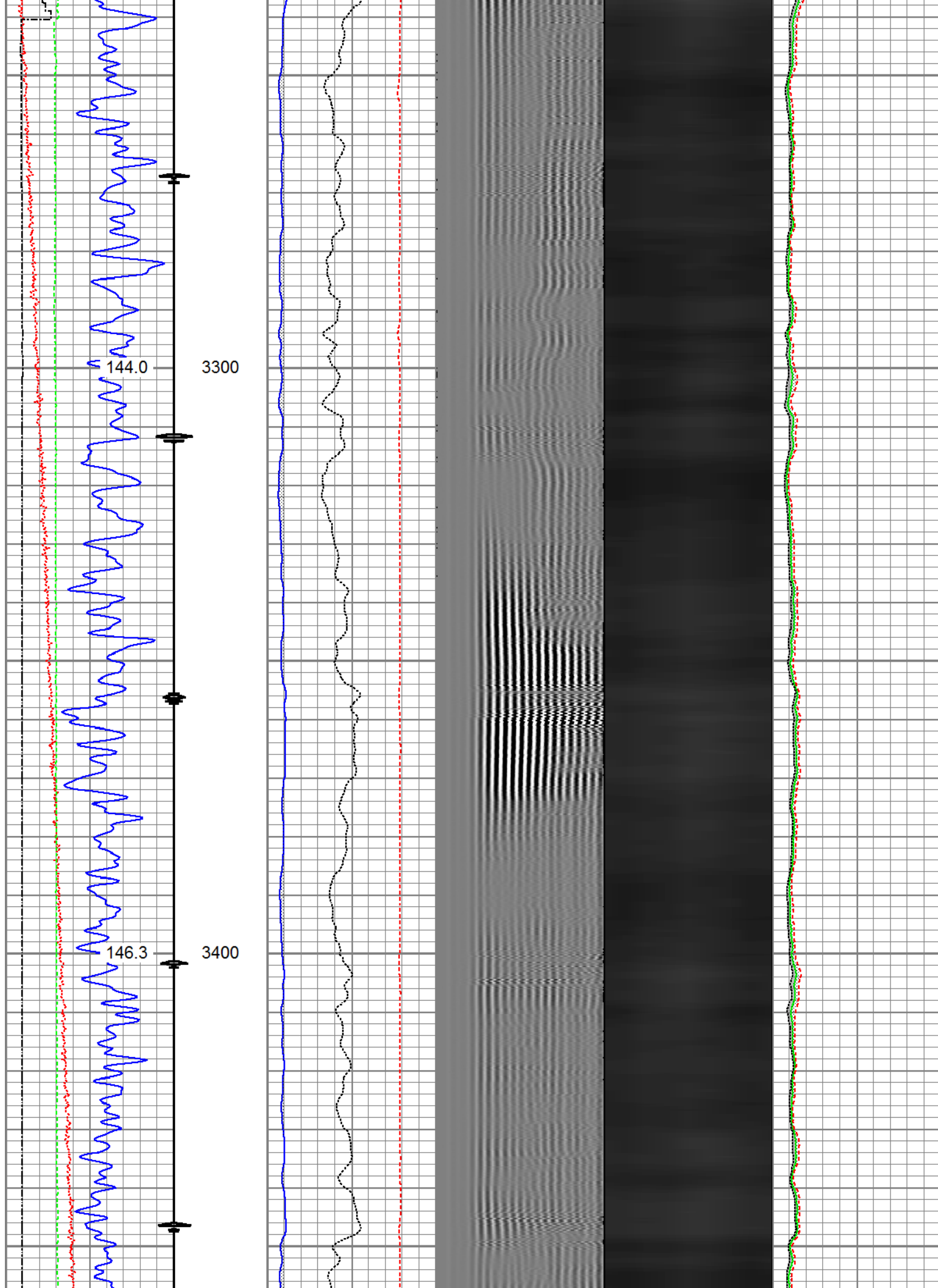


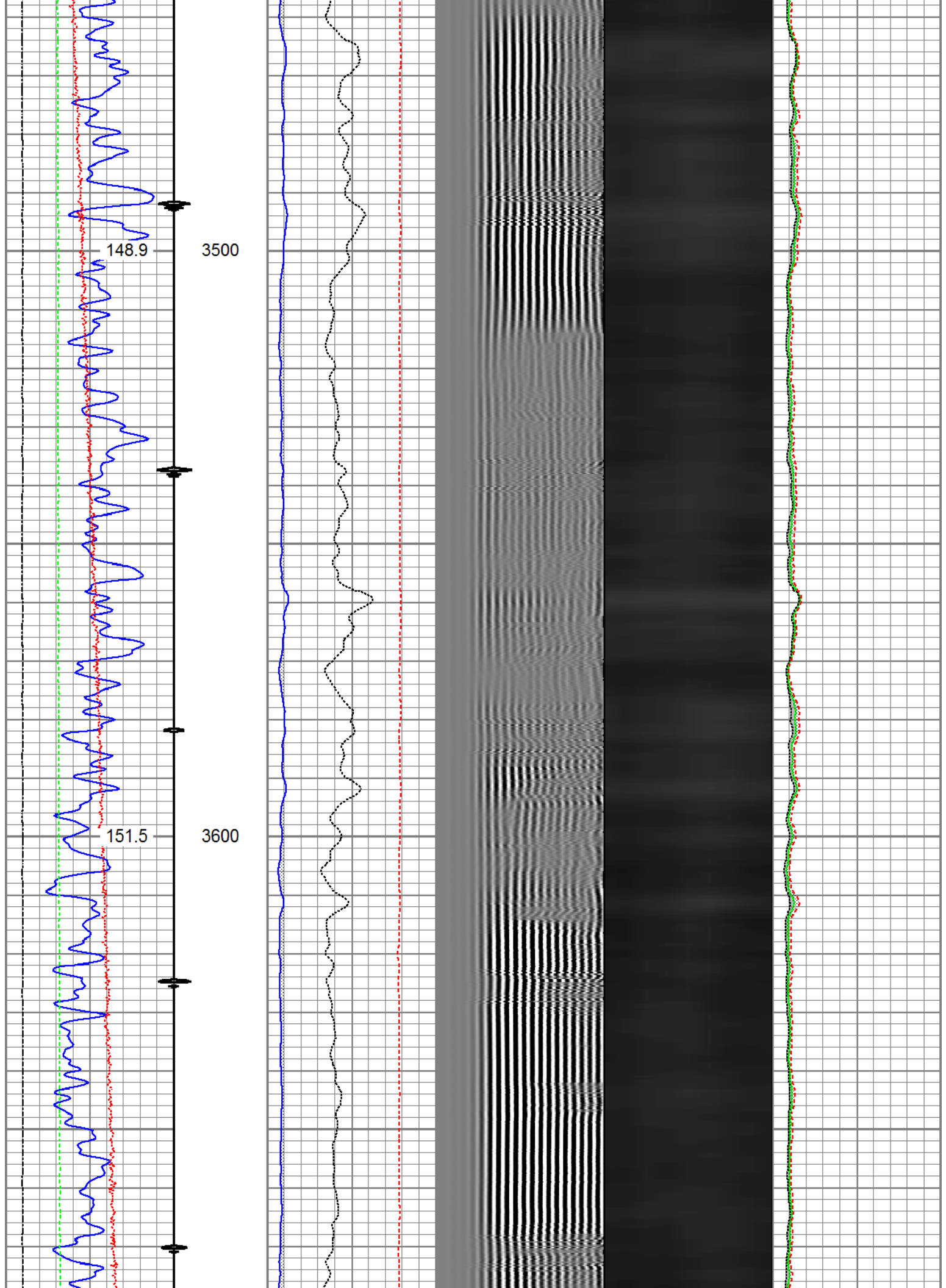


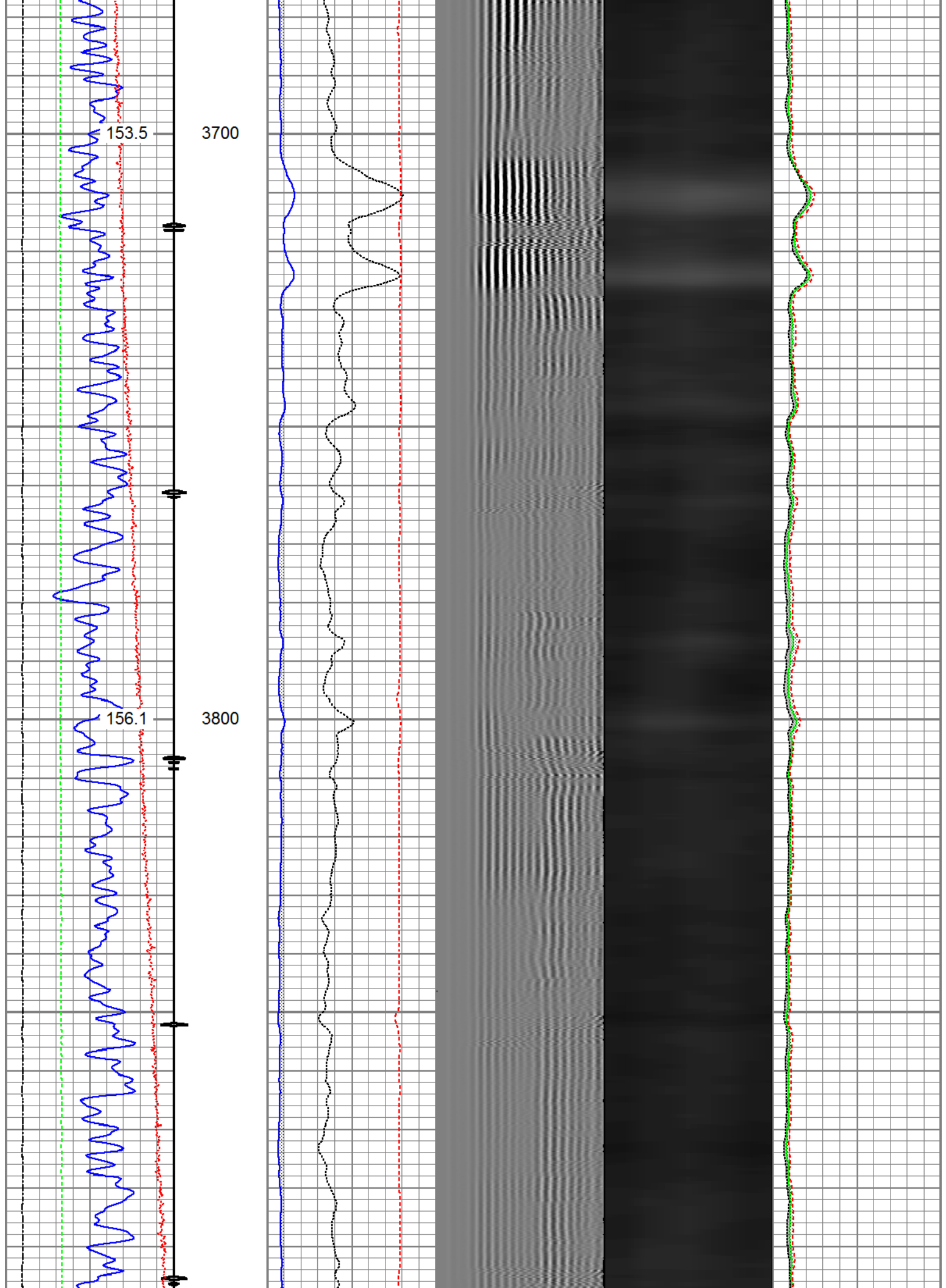


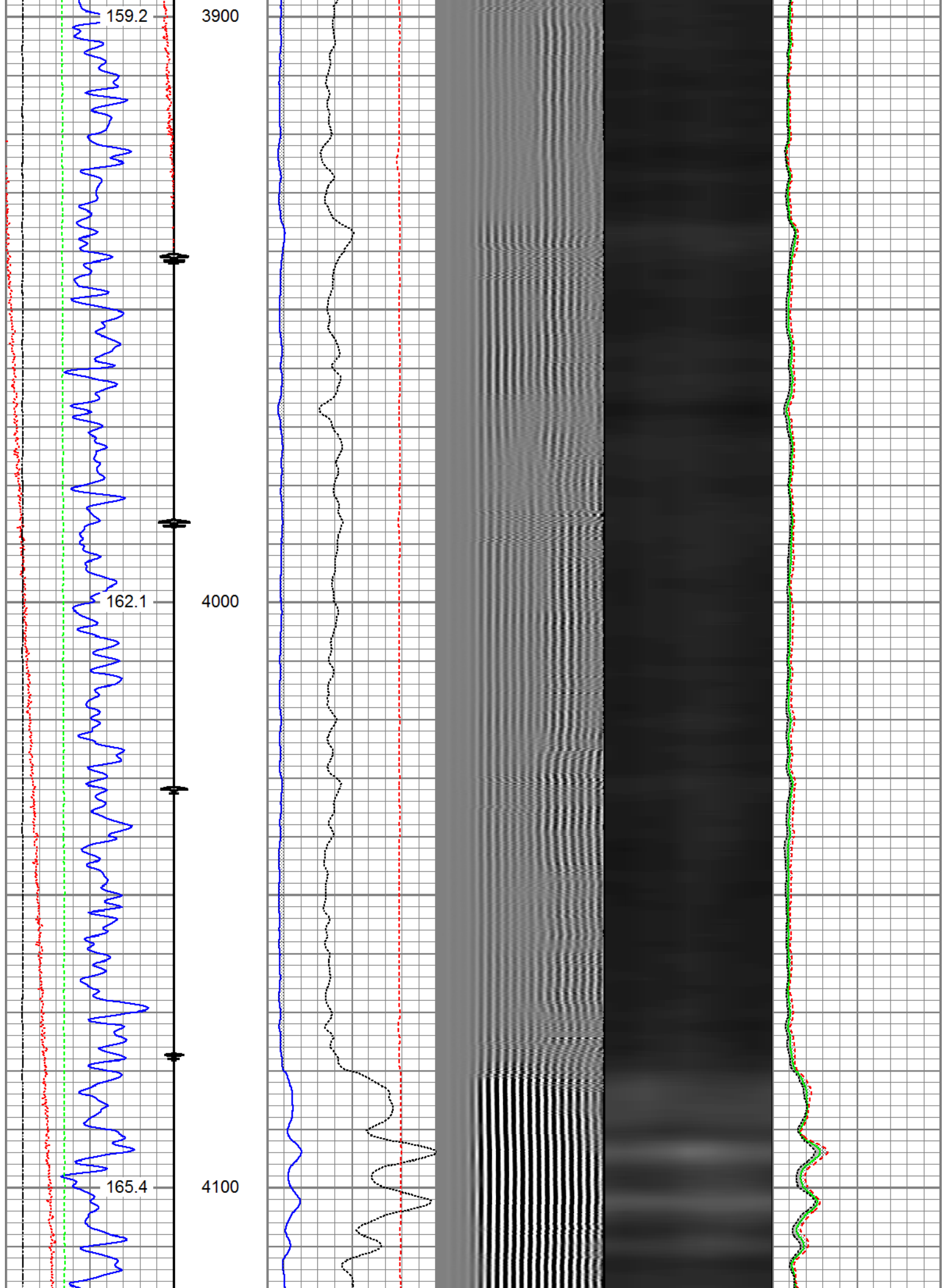


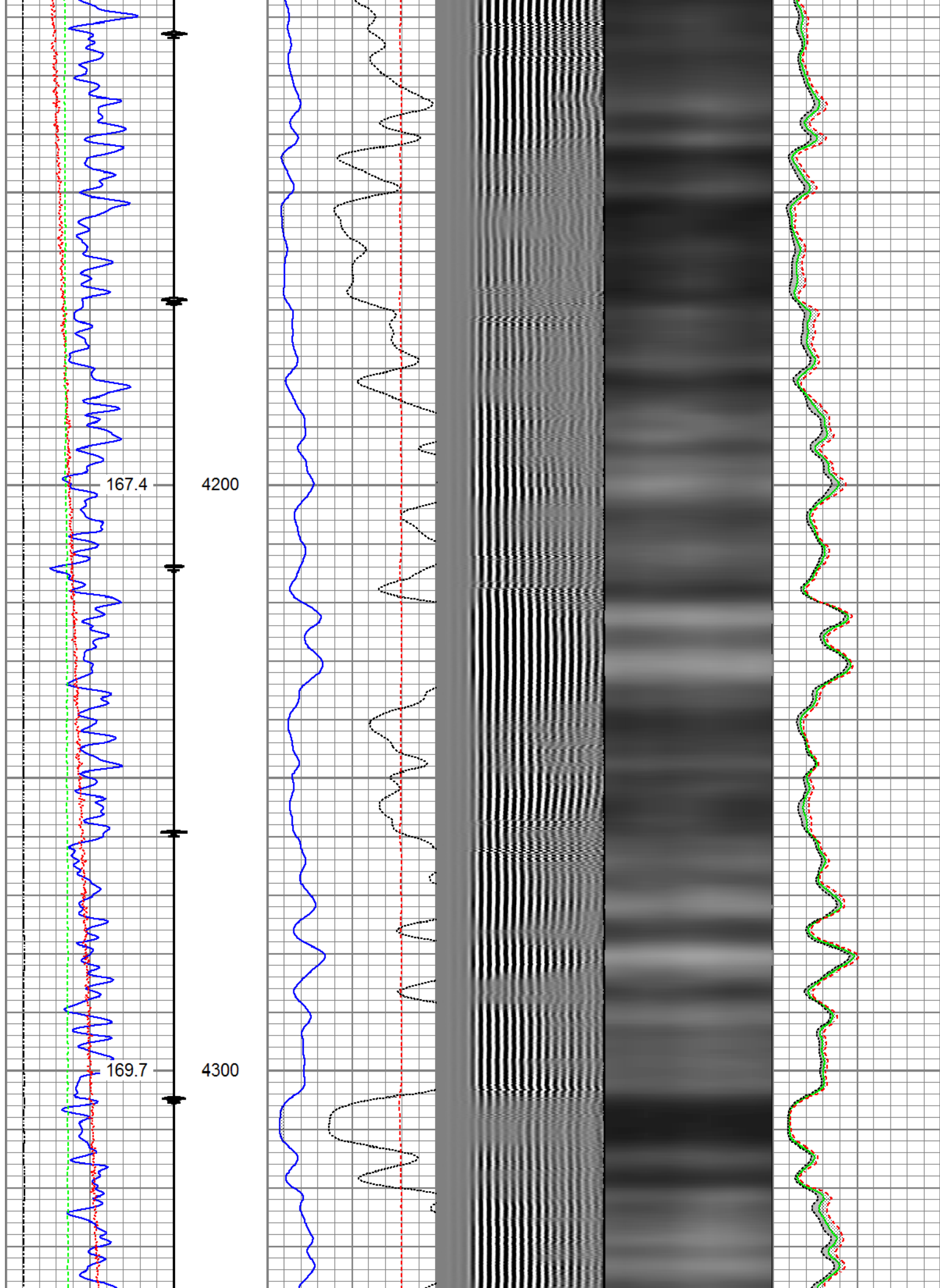


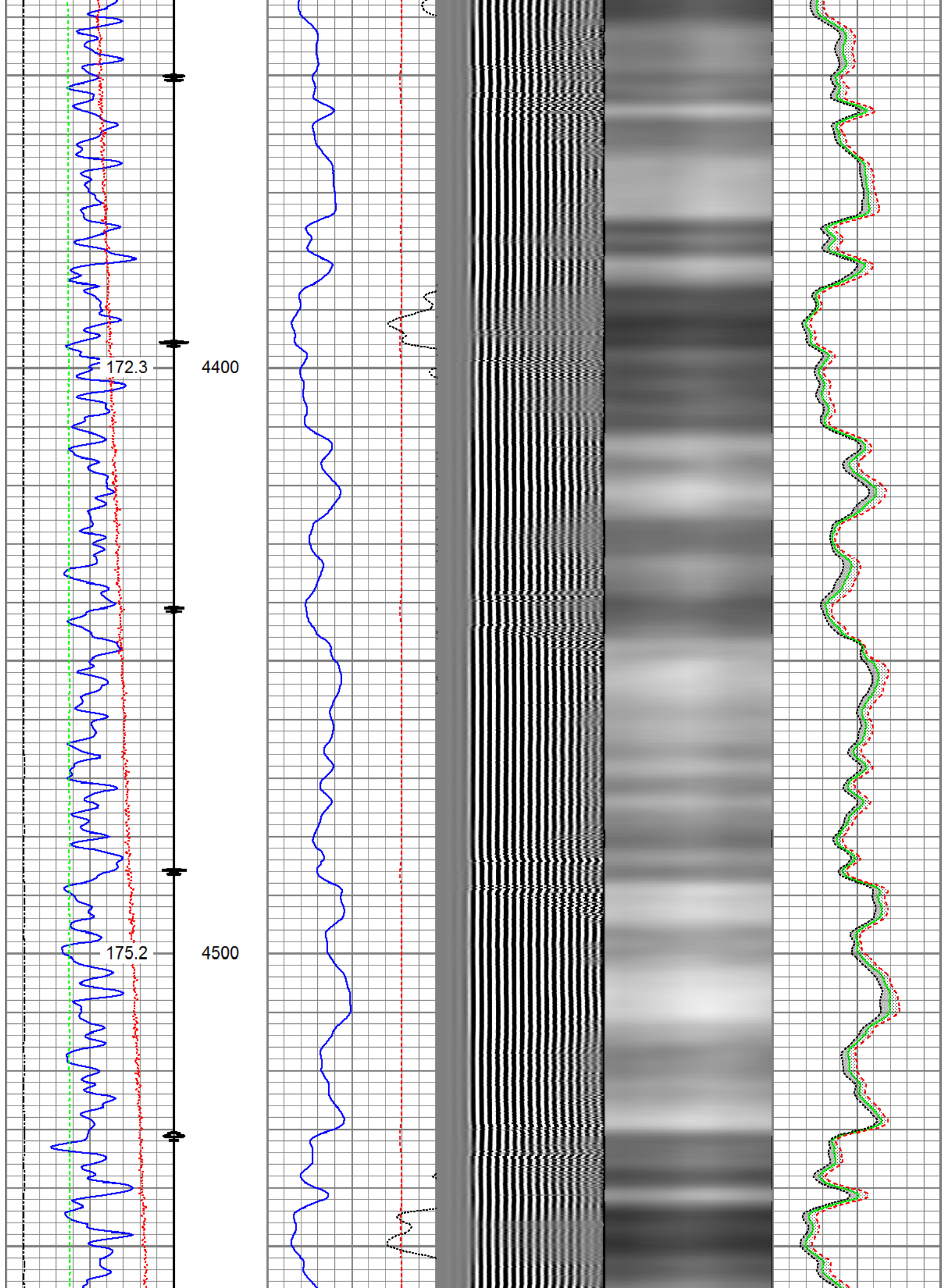


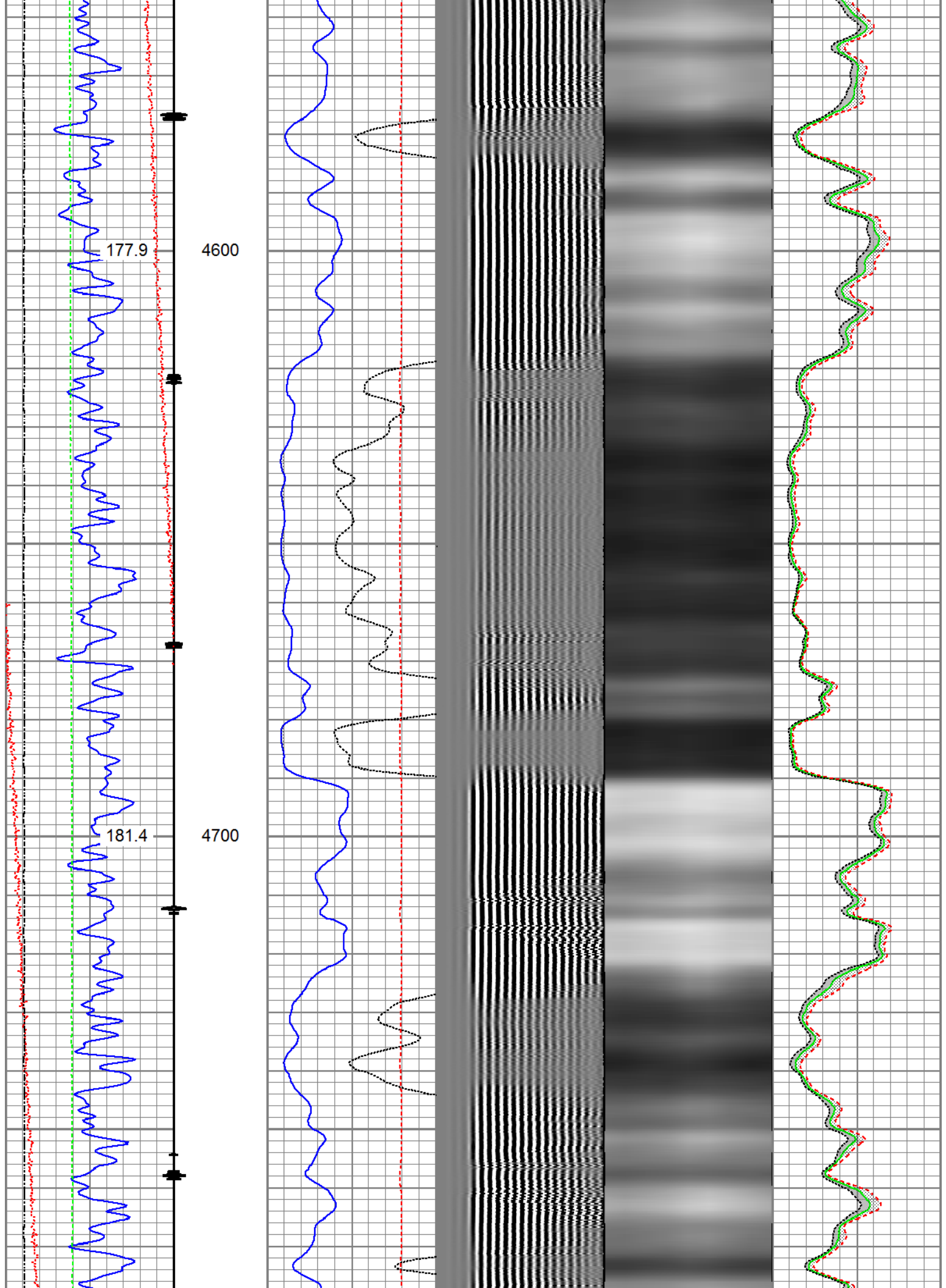


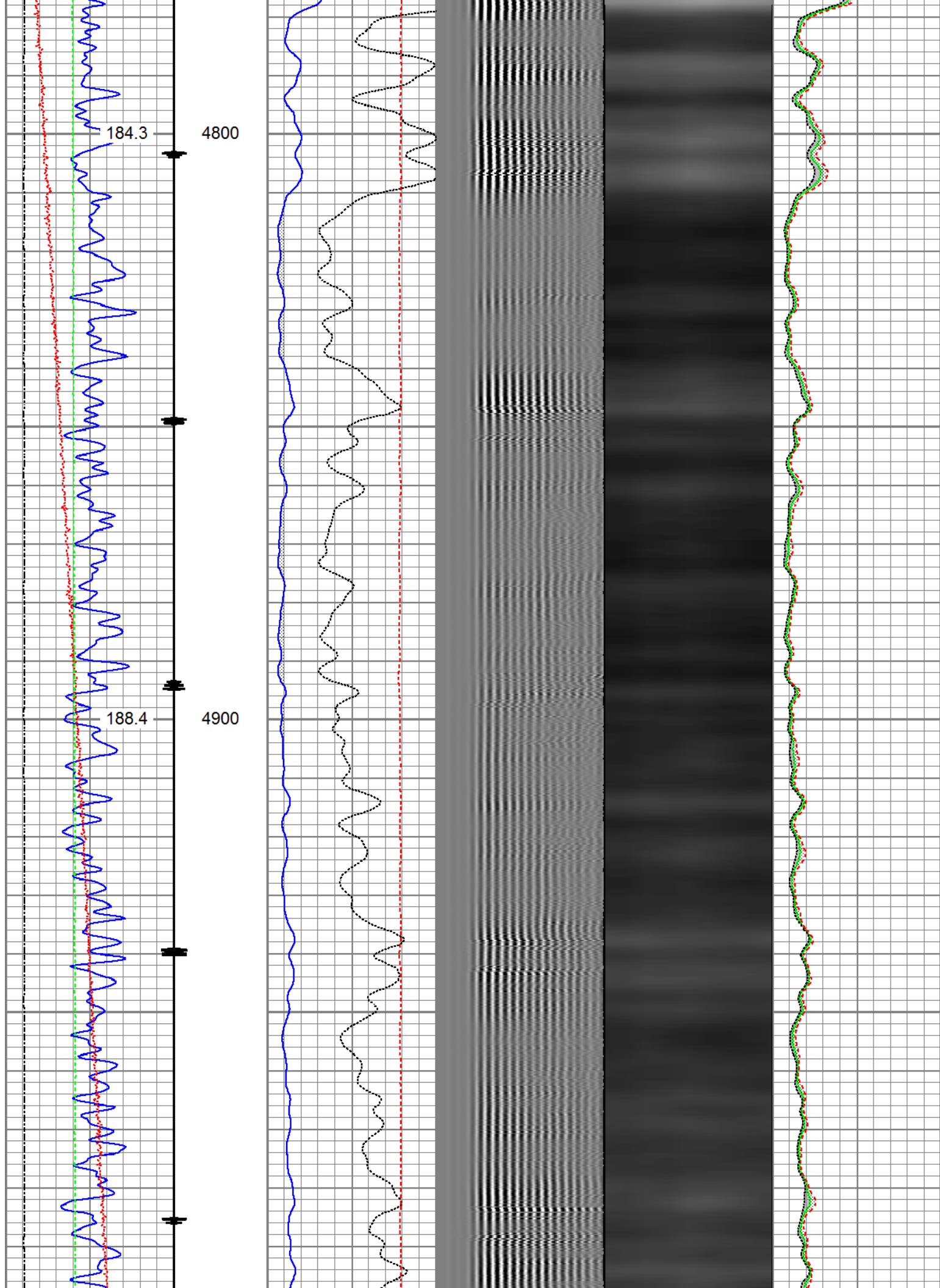


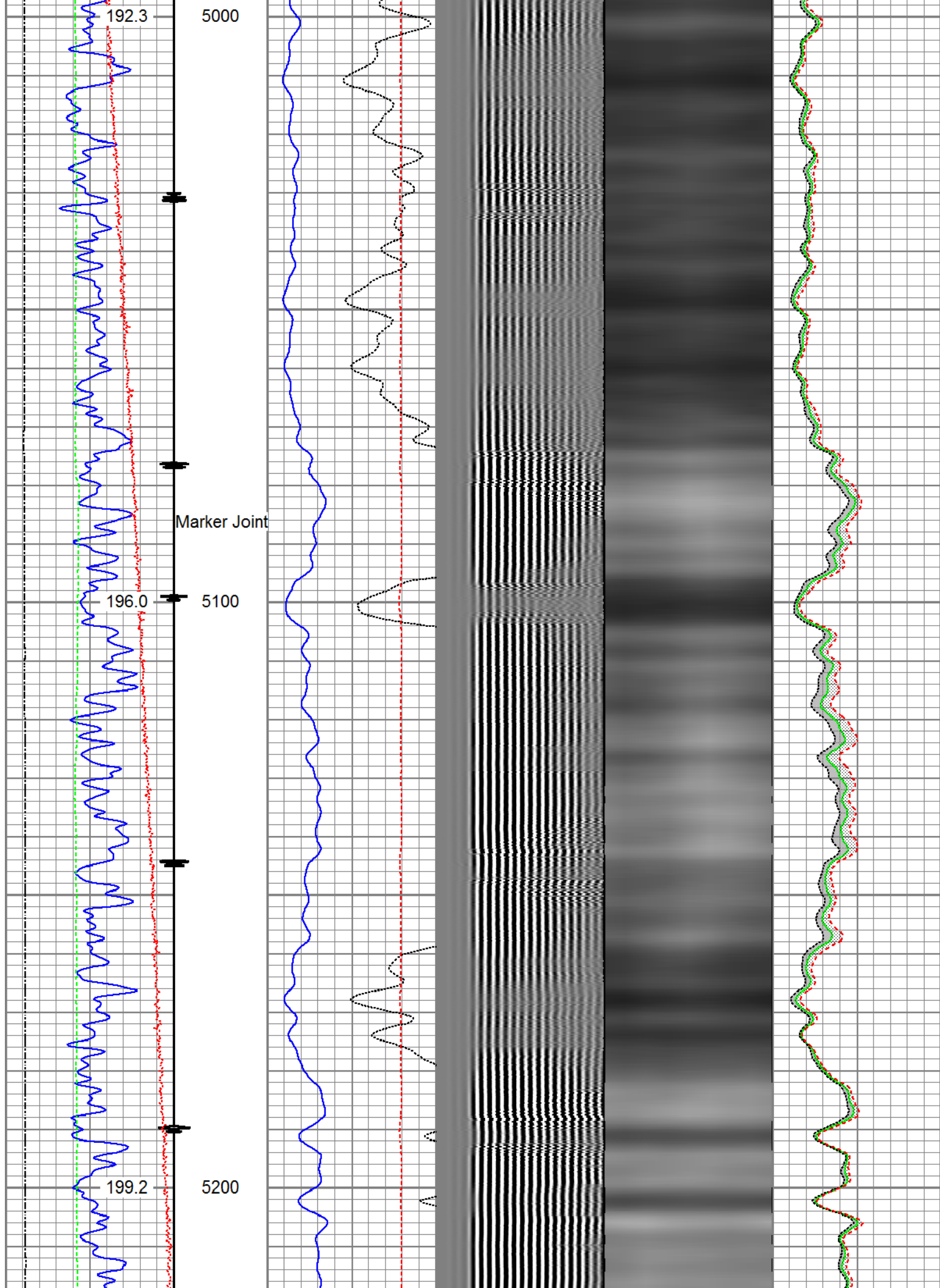


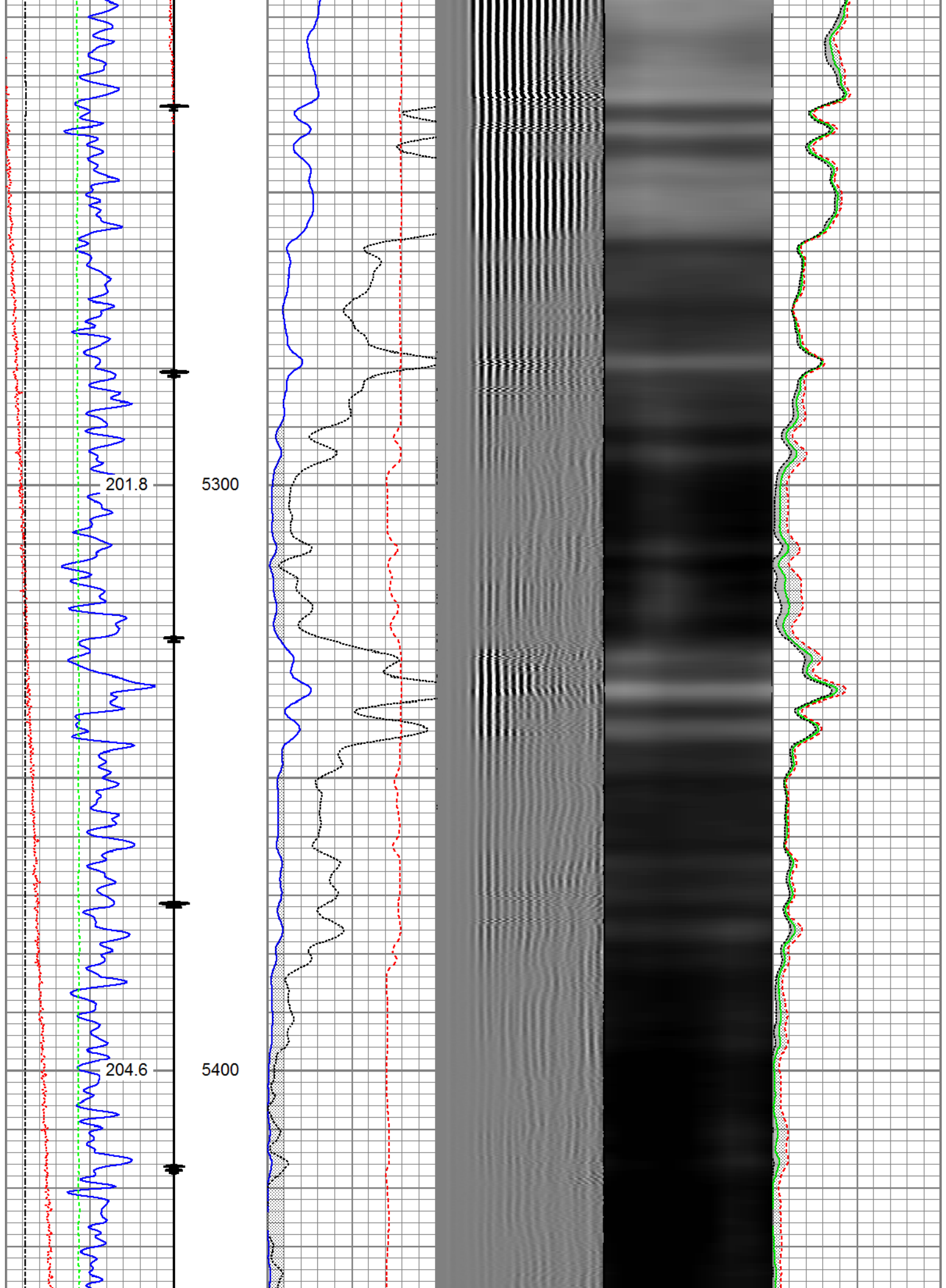


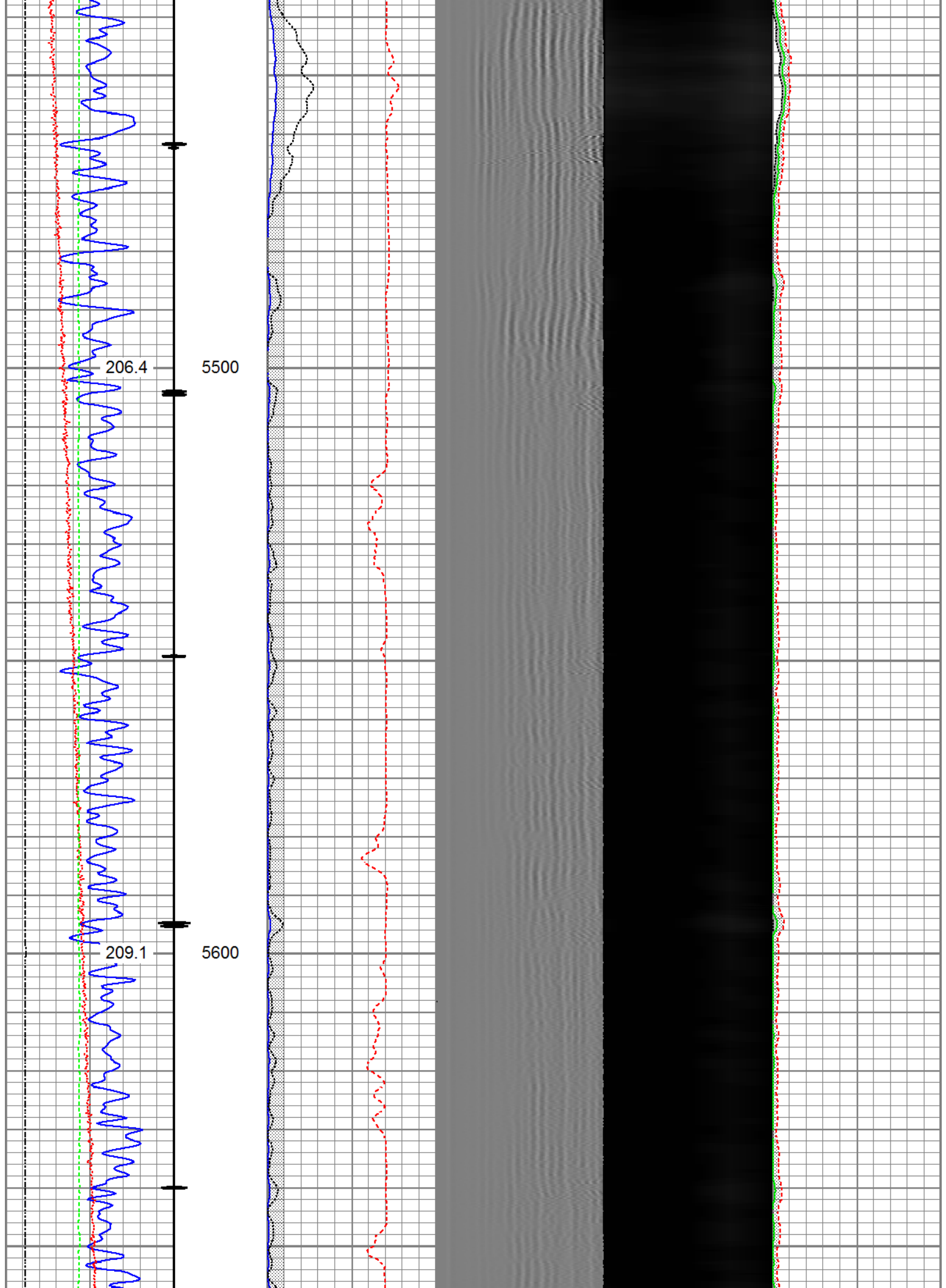


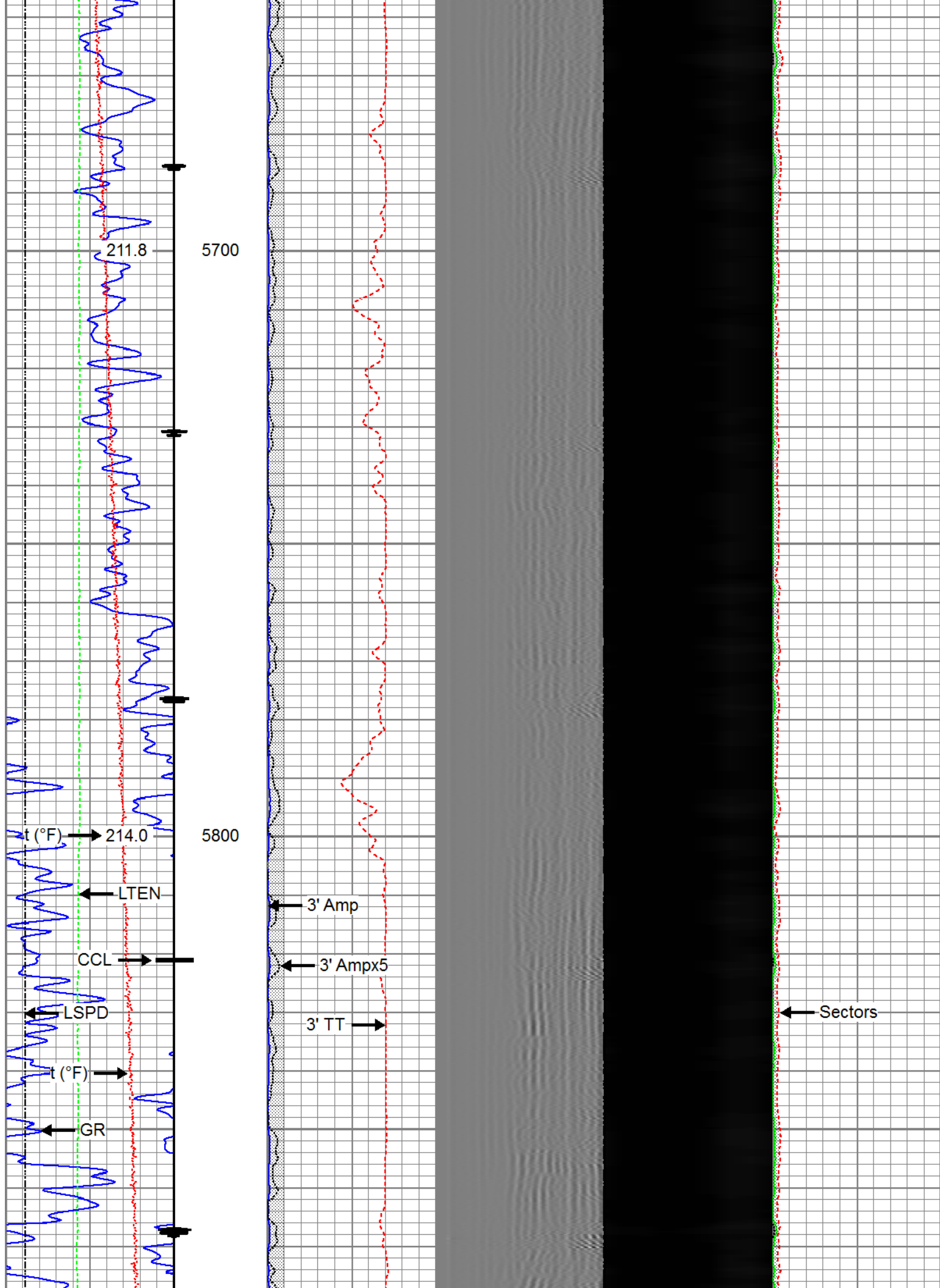


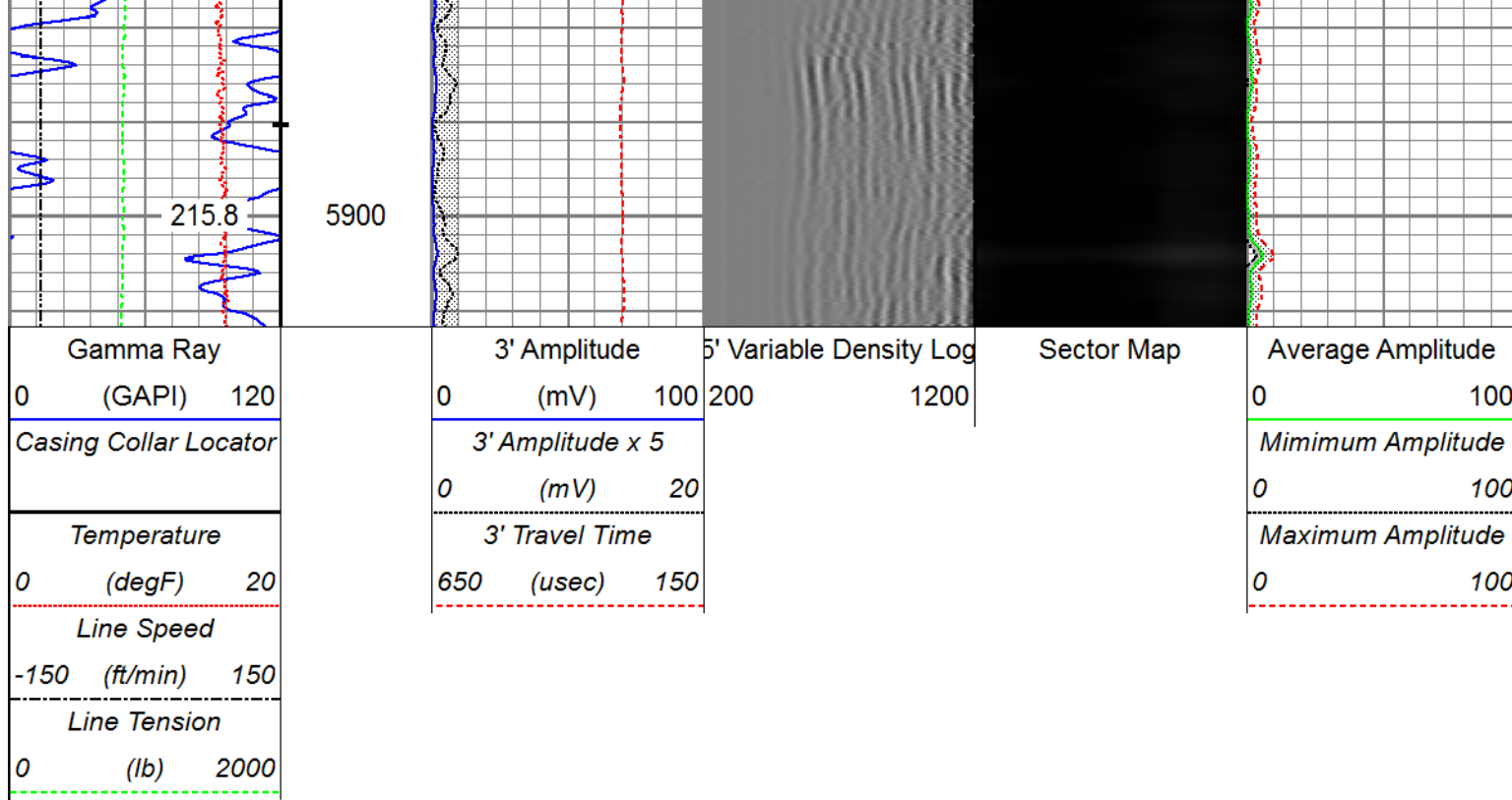








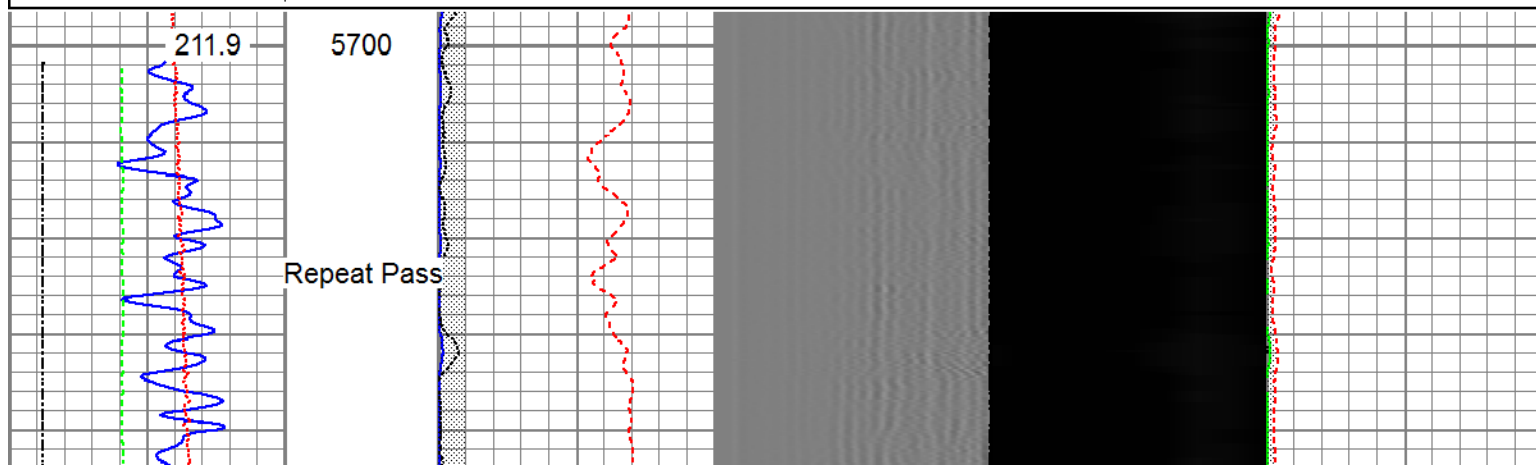
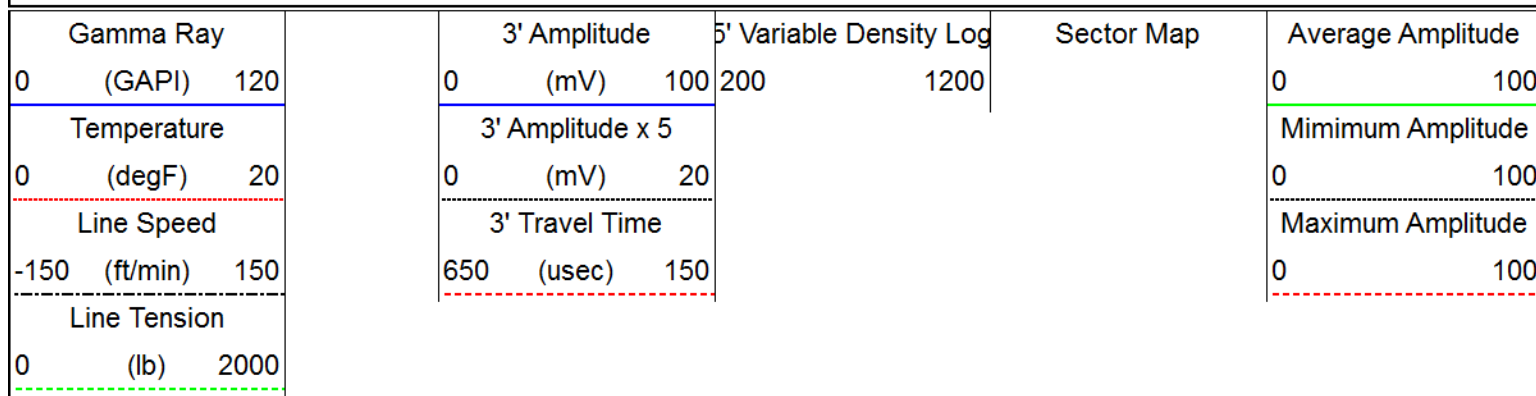


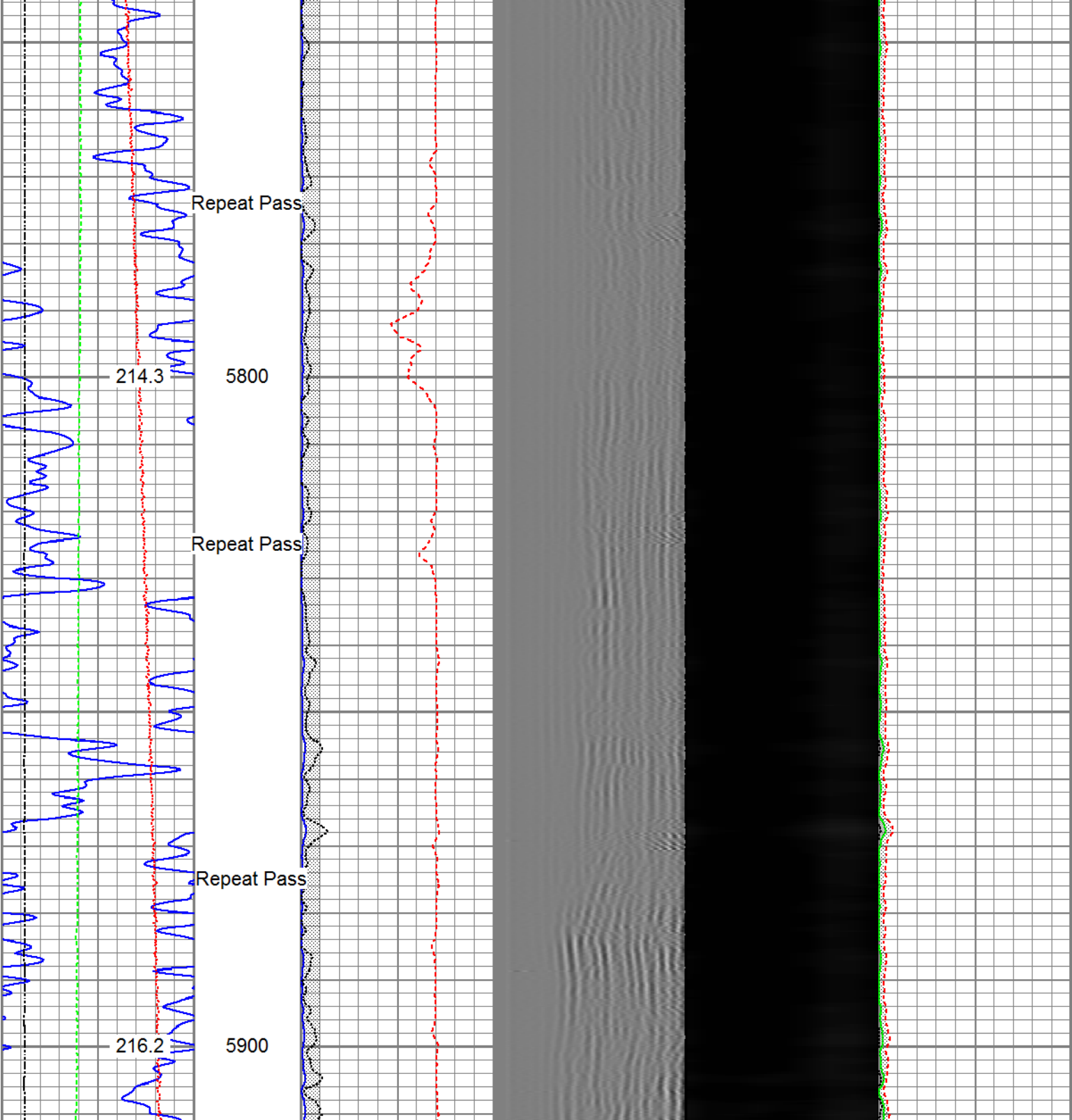


Repeat Pass

Recorded with 1500 PSI Surface Induced Pressure

Database File 06-10-16_whiting_horsetail 08c-1707_rbl_w8\06-10-16_whiting_horsetail 08c-1707_rbl_w8.db
 Dataset Pathname pass2
 Presentation Format ros_radrii
 Dataset Creation Fri Jun 10 10:46:28 2016
 Charted by Depth in Feet scaled 1:240





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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)

			Titan_Electric_Cable_Heads-Titan_1-11/16" 1.03 Electric Cable Head with 1" Fishing Neck	1.69	5.40
			Probe_ELine_BowSpring_Centralizer-P_EB\$2.8875 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.75	20.00
HeadVolt	19.51				
Temp	16.72				
WVFS8	14.55		Probe_RADII-C-P_RBT_2750 (FW1302-0029.19 Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	2.75	105.00
WVFS7	14.55				
WVFS6	14.55				
WVFS5	14.55				
WVFS4	14.55				
WVFS3	14.55				
WVFS2	14.55				
WVFS1	14.55				
WVFCAL	14.55				
WVF3FT	14.55				
WVF5FT	13.55				
HEADVOLT	10.30				
			Probe_ELine_BowSpring_Centralizer-P_EB\$2.8875 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.75	20.00
DCCL	6.51				
CCL	6.51				
			Probe_GR_CCL-P_CGR_2750_S (FW13074.54) Probe 2-3/4" Digital CCL / Gamma Ray Combined	2.75	55.00
GR	3.77				
			Probe_ELine_BowSpring_Centralizer-P_EB\$2.8875 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.75	20.00
Dataset: 06-10-16_Whiting_Horsetail 08C-1707_RBL_W8.db: field/well/run1/Main Total length: 23.40 ft Total weight: 225.40 lb O.D.: 2.75 in					

Calibration Report

Database File C:\ProgramData\Warrior\Data\06-10-16_Whiting_Horsetail 08C-1707_RBL_W8\06-10-16_Whiting_Ho
 Dataset Pathname Main
 Dataset Creation Fri Jun 10 10:51:10 2016

Gamma Ray Calibration Report

Serial Number: FW1307-038
 Tool Model: P_CGR_2750_S
 Performed: Sat Feb 06 11:43:09 2016

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
 Calibrator Reading: 1.6 cps

Sensitivity: 0.6061 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1302-002
 Tool Model: P_RBT_2750

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 21.646 ft

Master Calibration, performed Fri Jun 10 10:20:41 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.022	0.582	0.800	71.921	127.058	-2.051
CAL	0.729	0.610				
5'	0.007	0.568	0.800	71.921	126.776	-0.096
SUM						
S1	0.020	0.577	0.000	100.000	179.740	-3.625
S2	0.023	0.575	0.000	100.000	180.987	-4.156
S3	0.019	0.570	0.000	100.000	181.516	-3.532
S4	0.022	0.576	0.000	100.000	180.643	-3.996
S5	0.023	0.579	0.000	100.000	179.957	-4.134
S6	0.023	0.581	0.000	100.000	179.303	-4.213
S7	0.024	0.584	0.000	100.000	178.588	-4.347
S8	0.026	0.586	0.000	100.000	178.568	-4.695

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.729	0.610	1.000	0.000

Air Zero Calibration, performed Fri Jun 10 10:20:18 2016:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	

S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

	Company	Whiting Oil & Gas Corporation
	Well	Horsetail 08C-1707
	Field	Wildcat
	County	Weld
	State	Colorado