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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages, or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to our general terms and conditions set out in our current Price Schedule.
Comments
Log ran as per customer request Depth referenced to Casing Tally reported Marker Joint at 7008 FT Adjusted log +8 FT to correlate with Marker Joint Gauge Ring/Junk Basket ran to 7574 FT with no debris found Log ran from 7574 FT 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 FMC Technologies Completion Services, Inc.!!



Recorded with 2800 PSI Surface Induced Pressure

Database File: c:\warrior\data\0512341554_anadarko_carter 35c-33hz_11-03-15_rb\0512341554_anadarko_carter 3

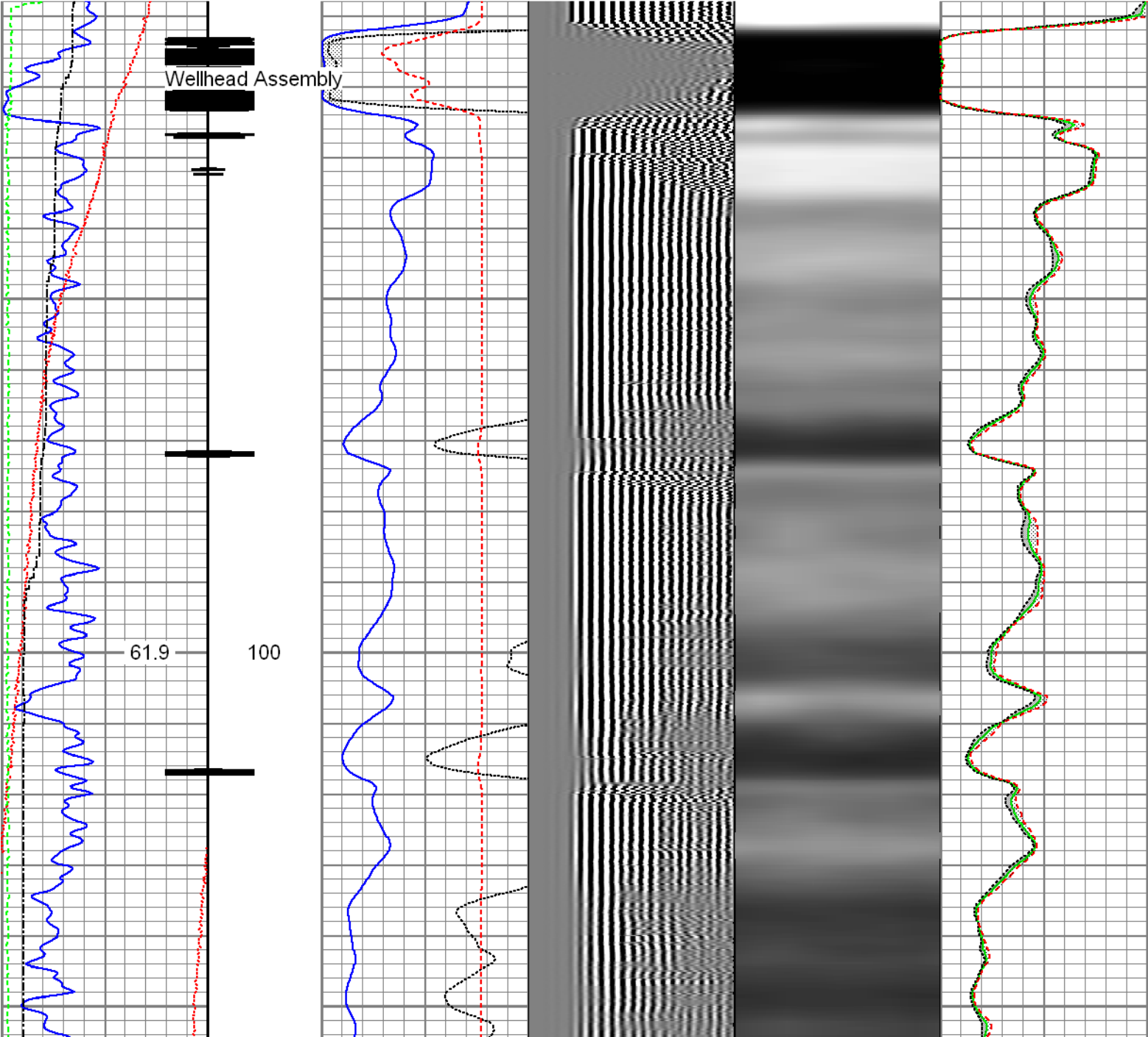
Dataset Pathname: pass6.1

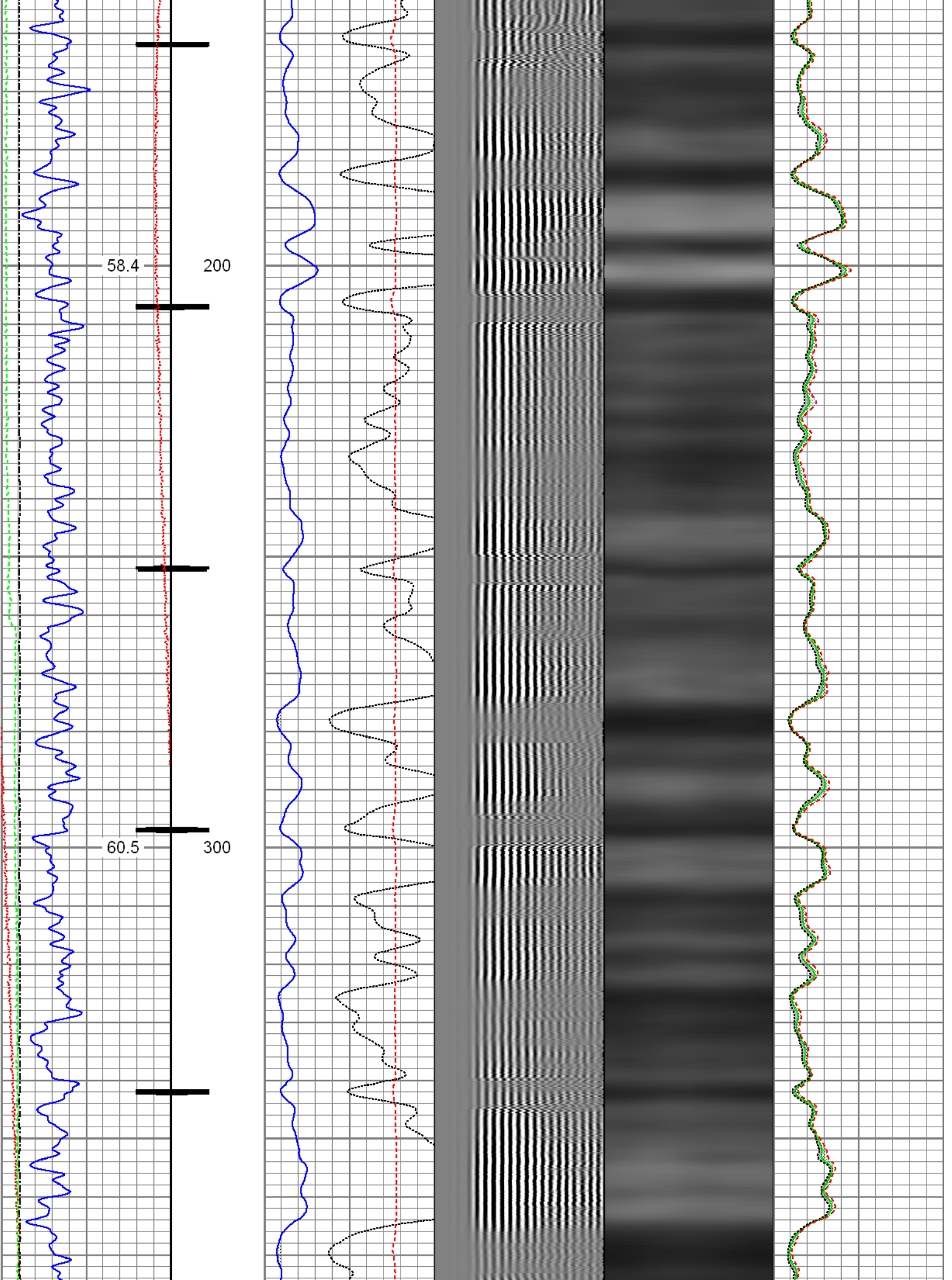
Presentation Format: radii

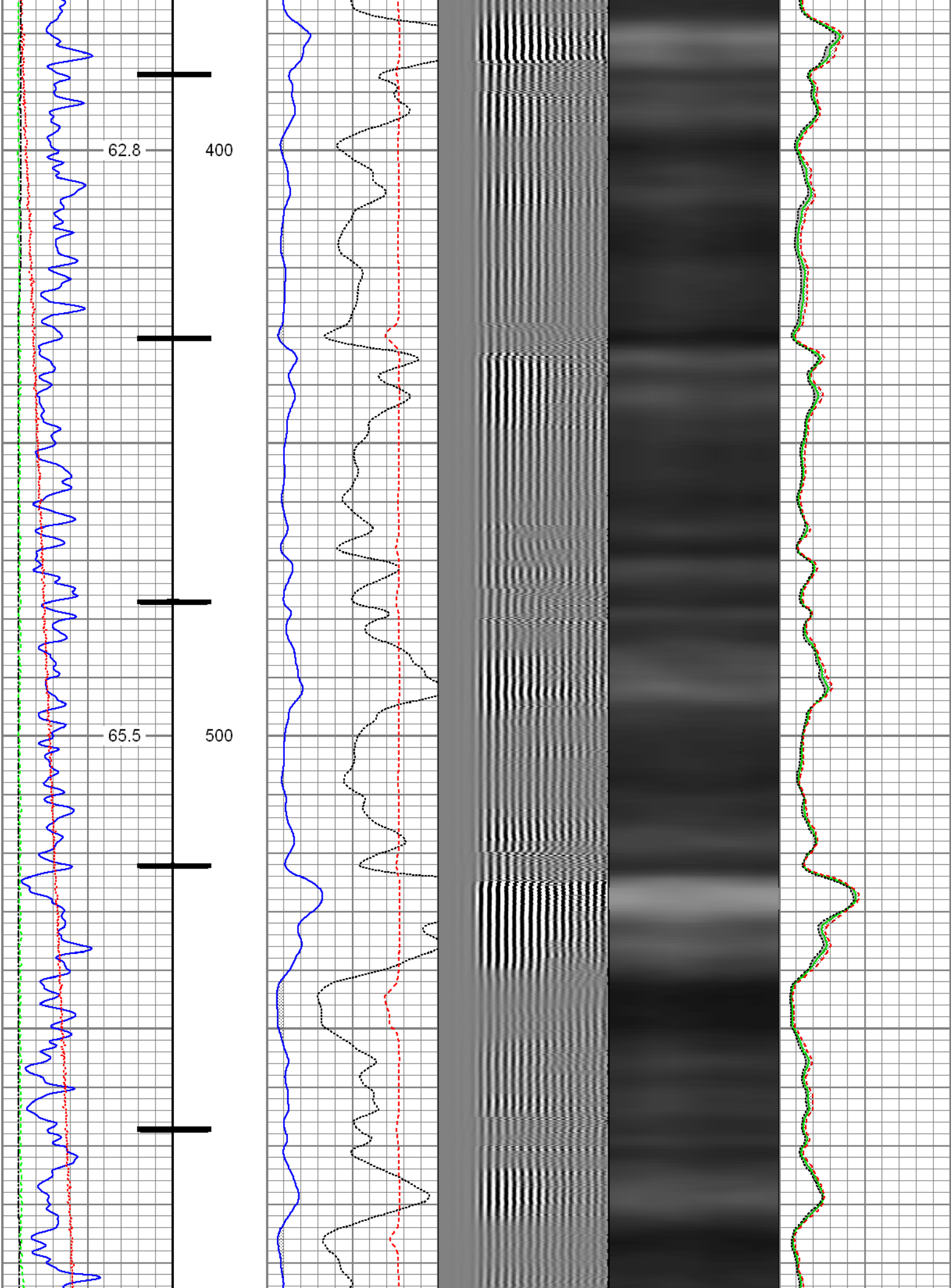
Dataset Creation: Tue Nov 03 16:11:50 2015 by Calc 7.0 B1

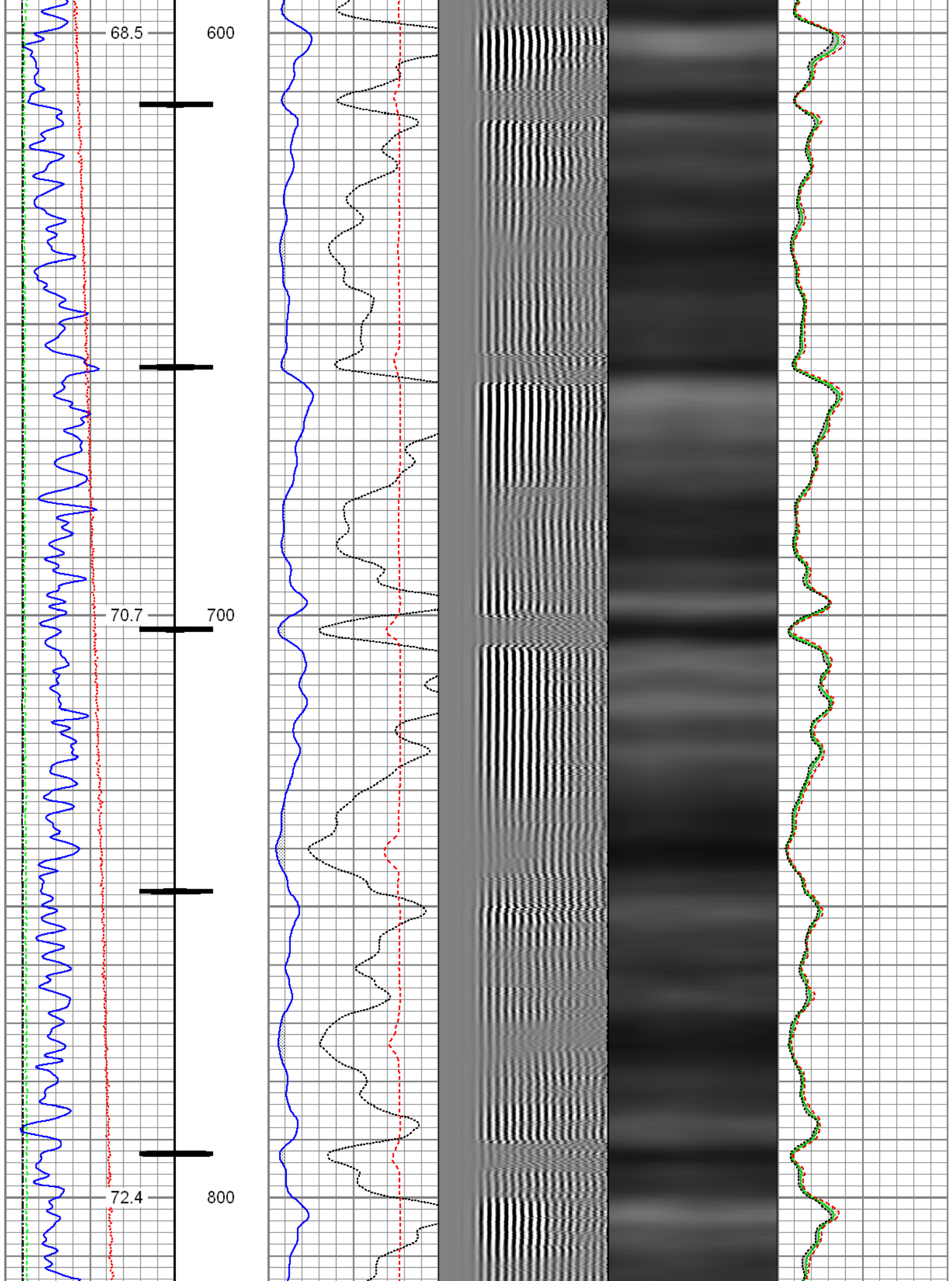
Charted by: Depth in Feet scaled 1:240

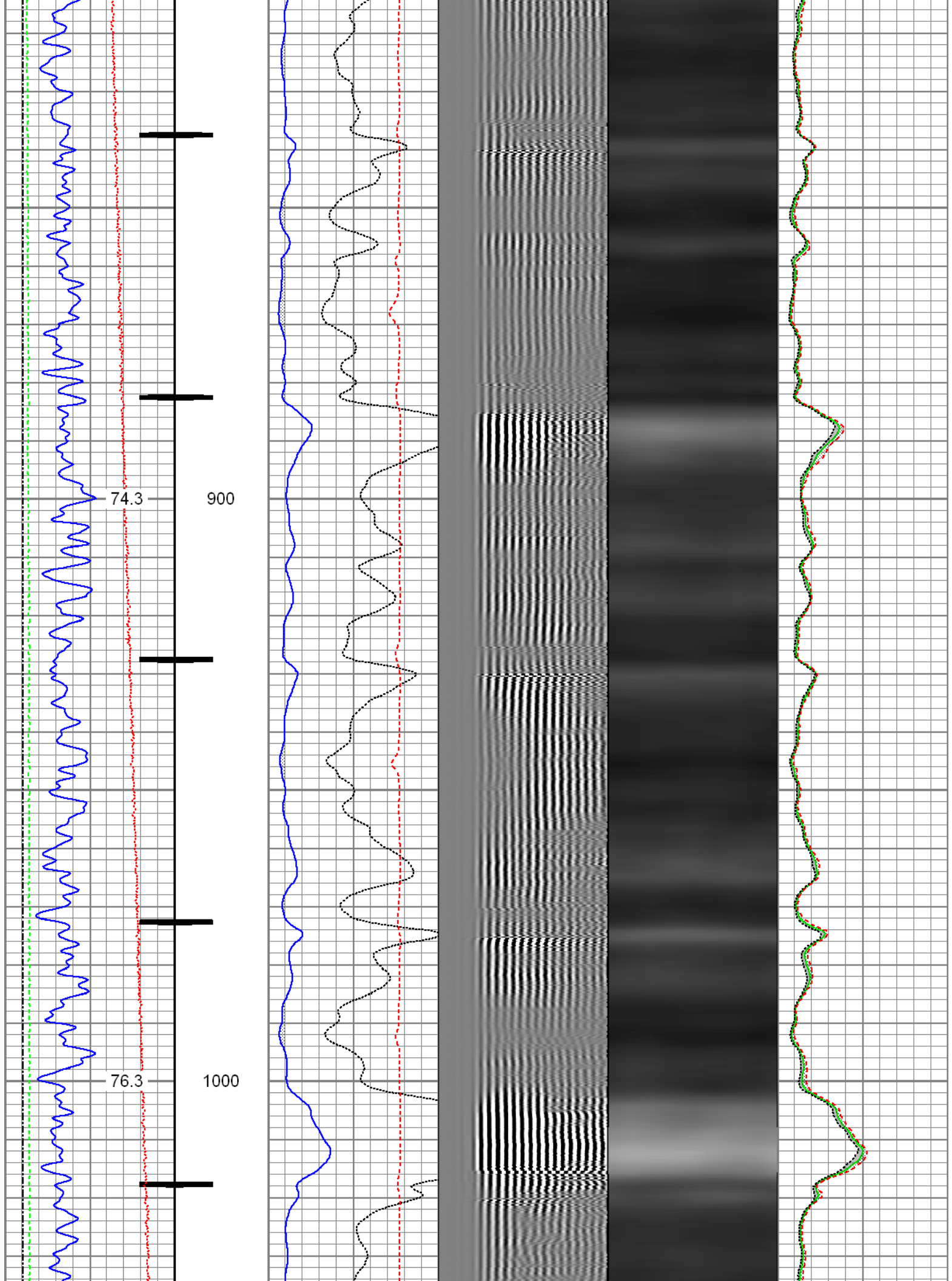
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Temperature	0 (mV) 20			0 100
0 (degF) 20	3' Travel Time			Maximum Amplitude
Line Speed	650 (usec) 150			0 100
-150 (ft/min) 150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

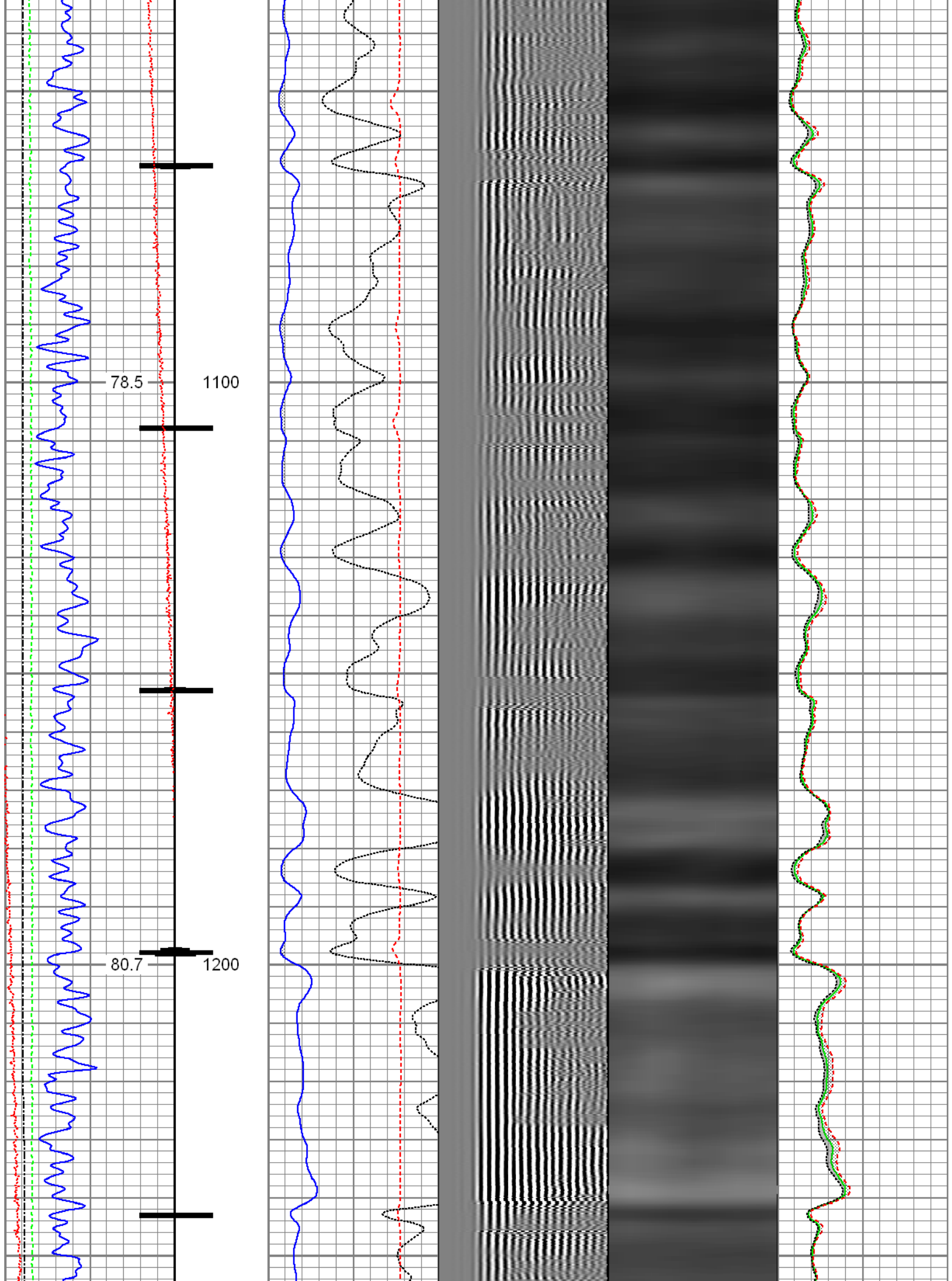


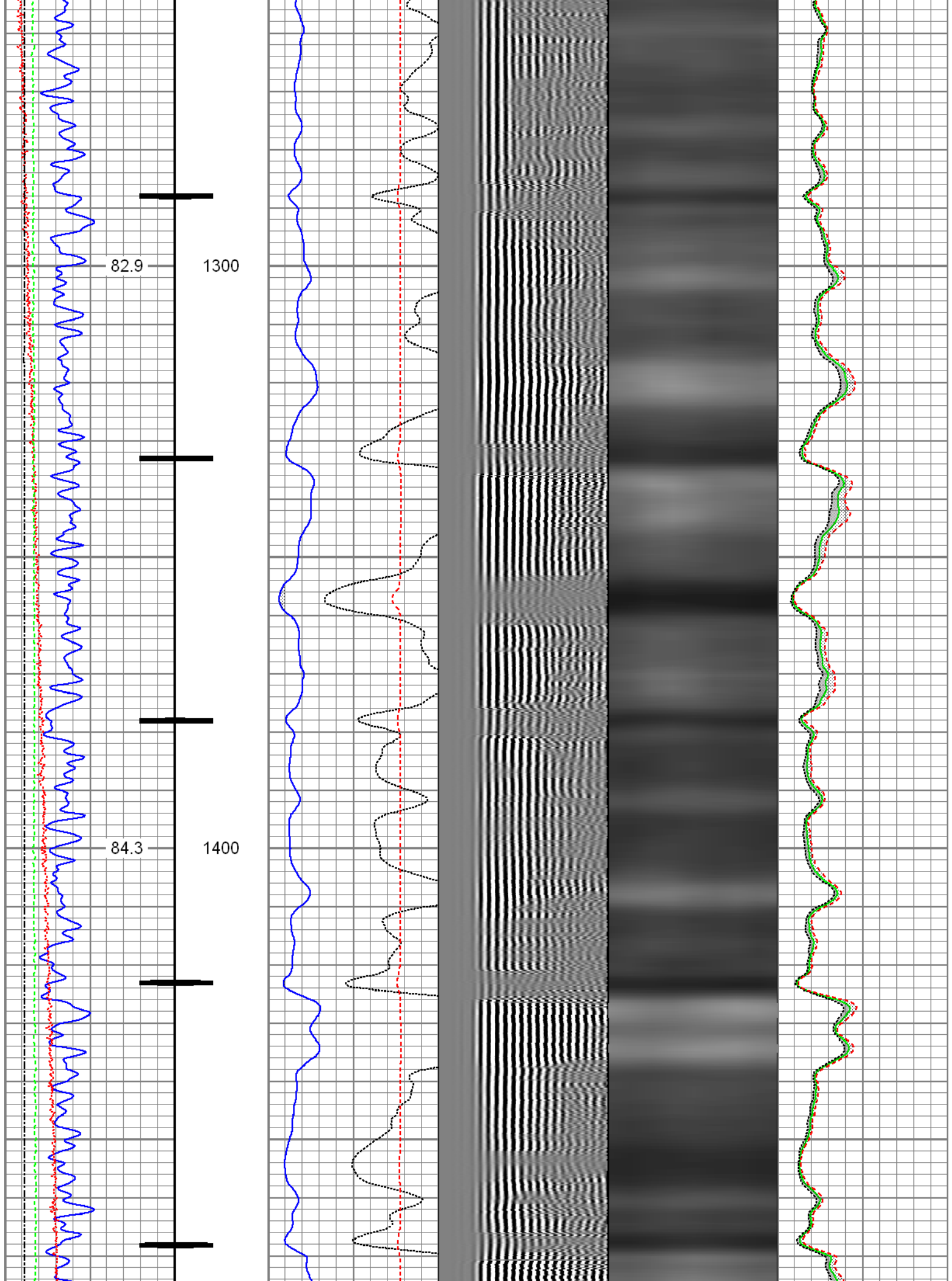


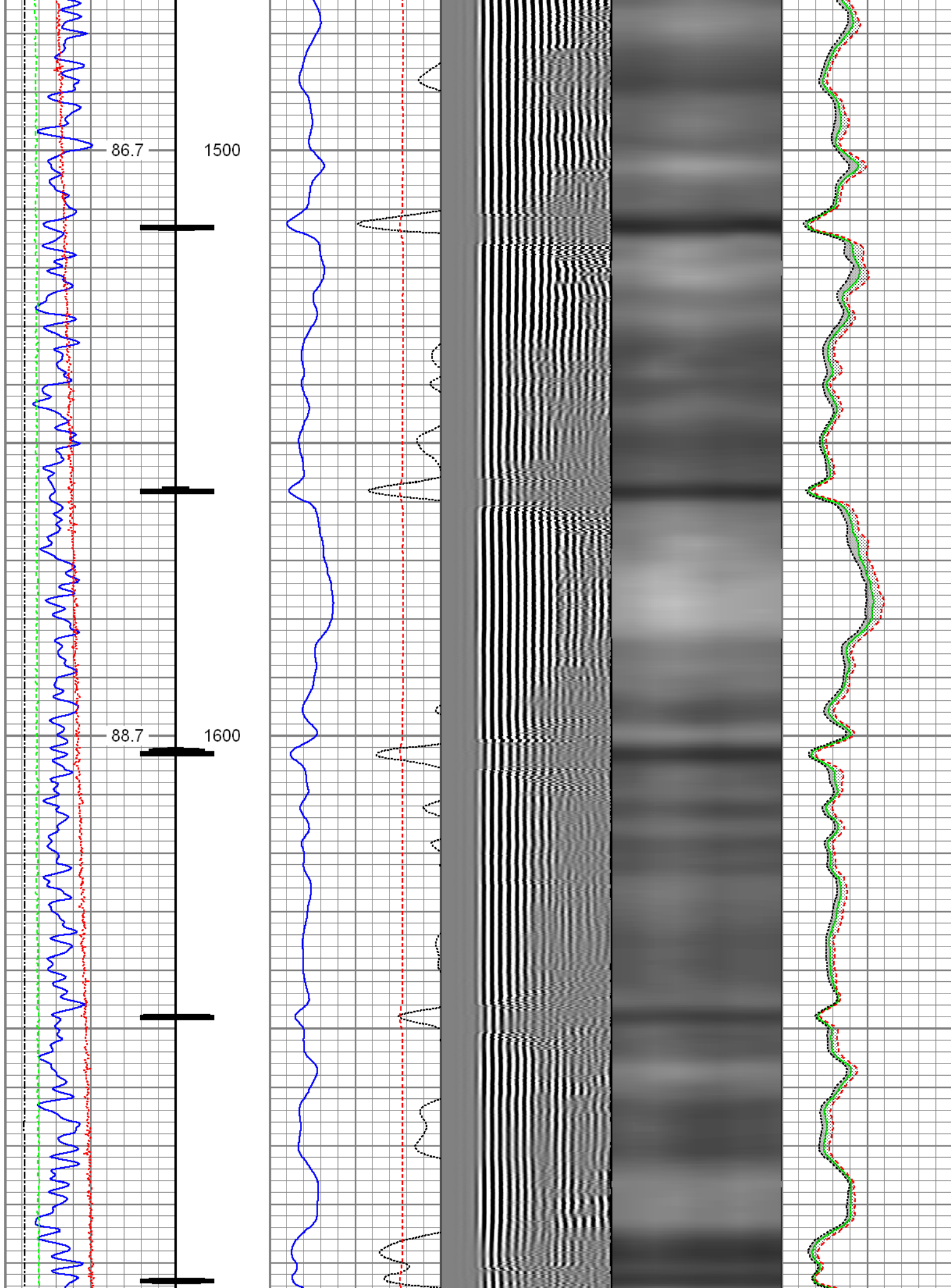


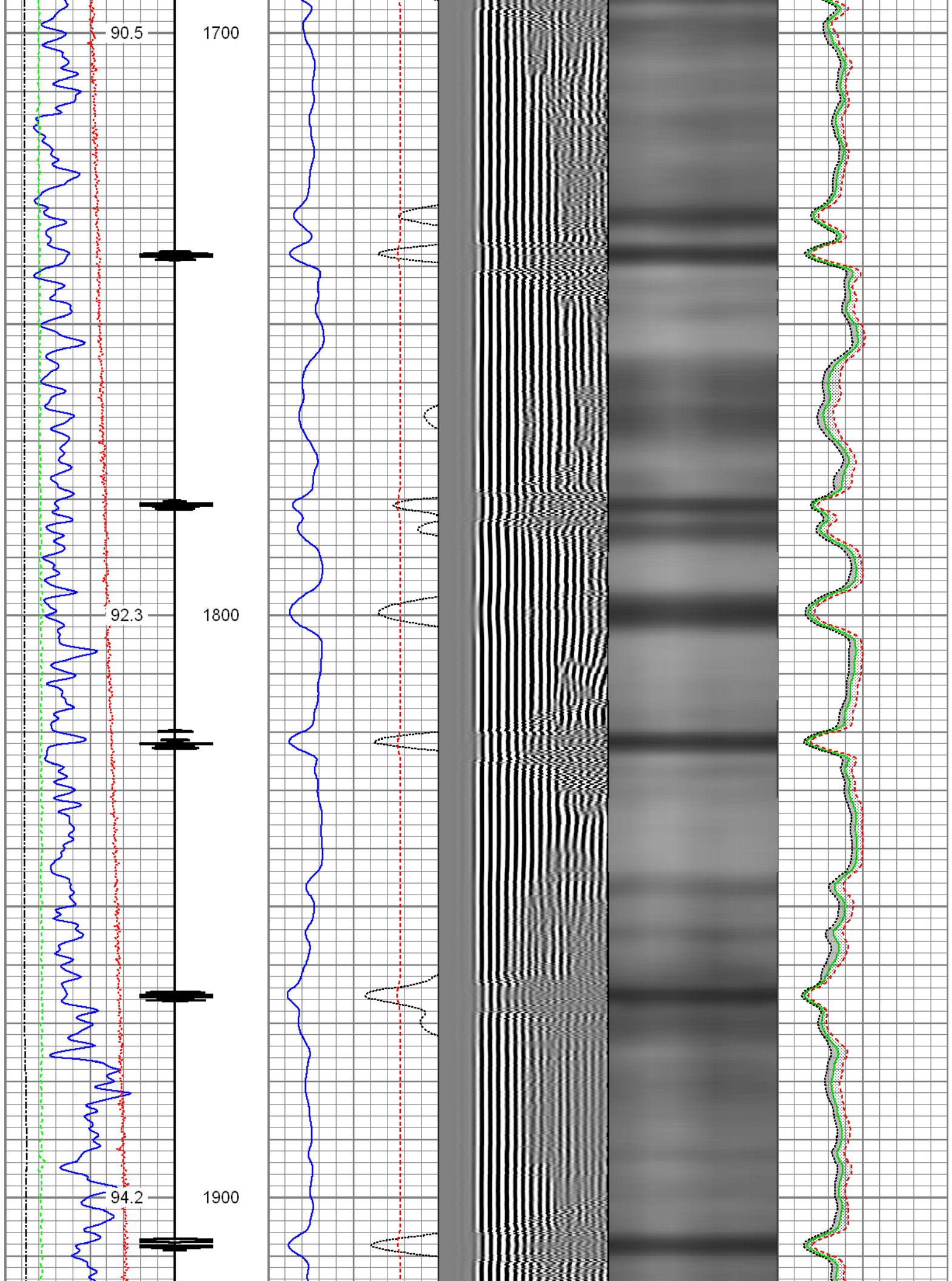


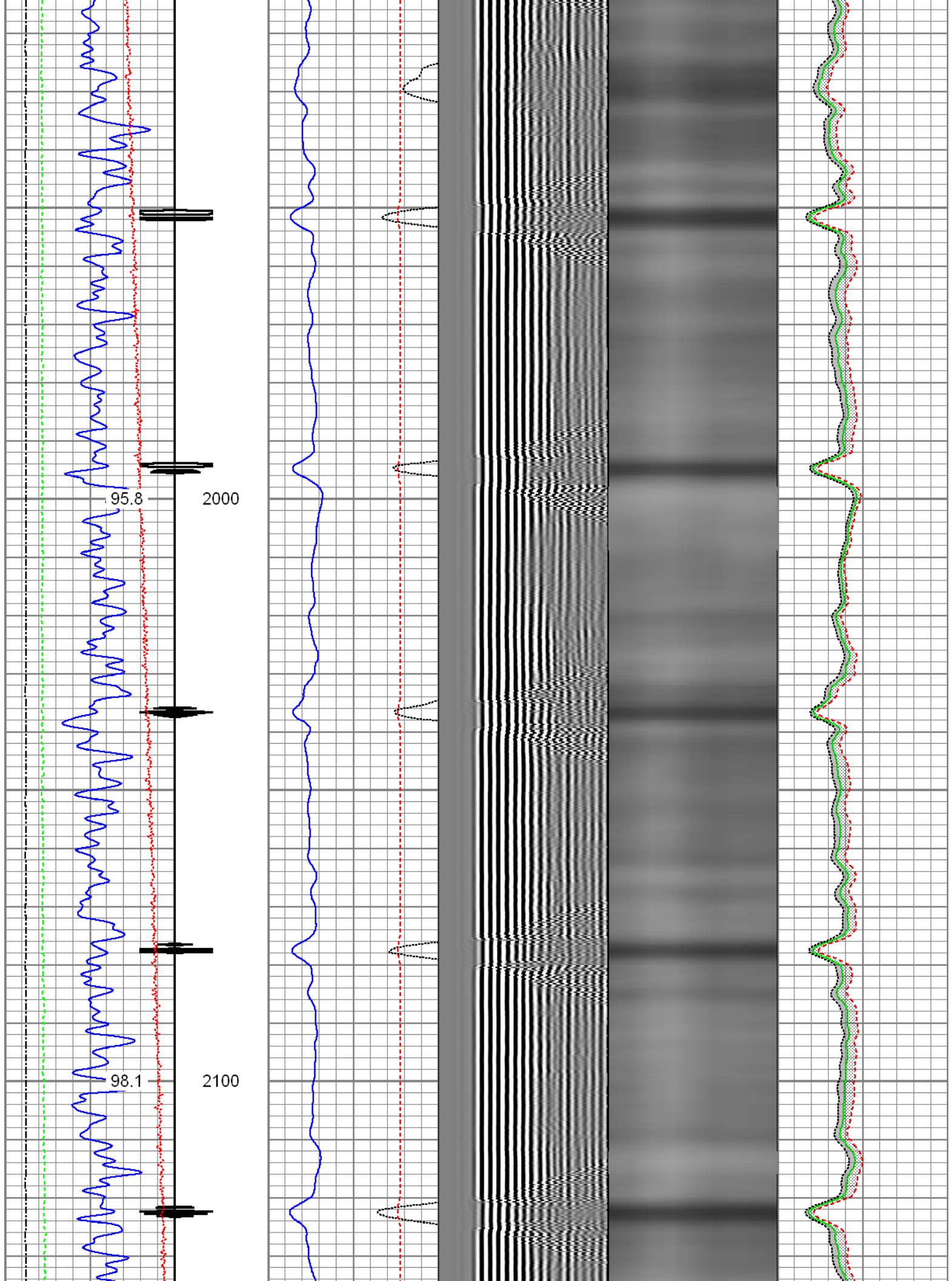


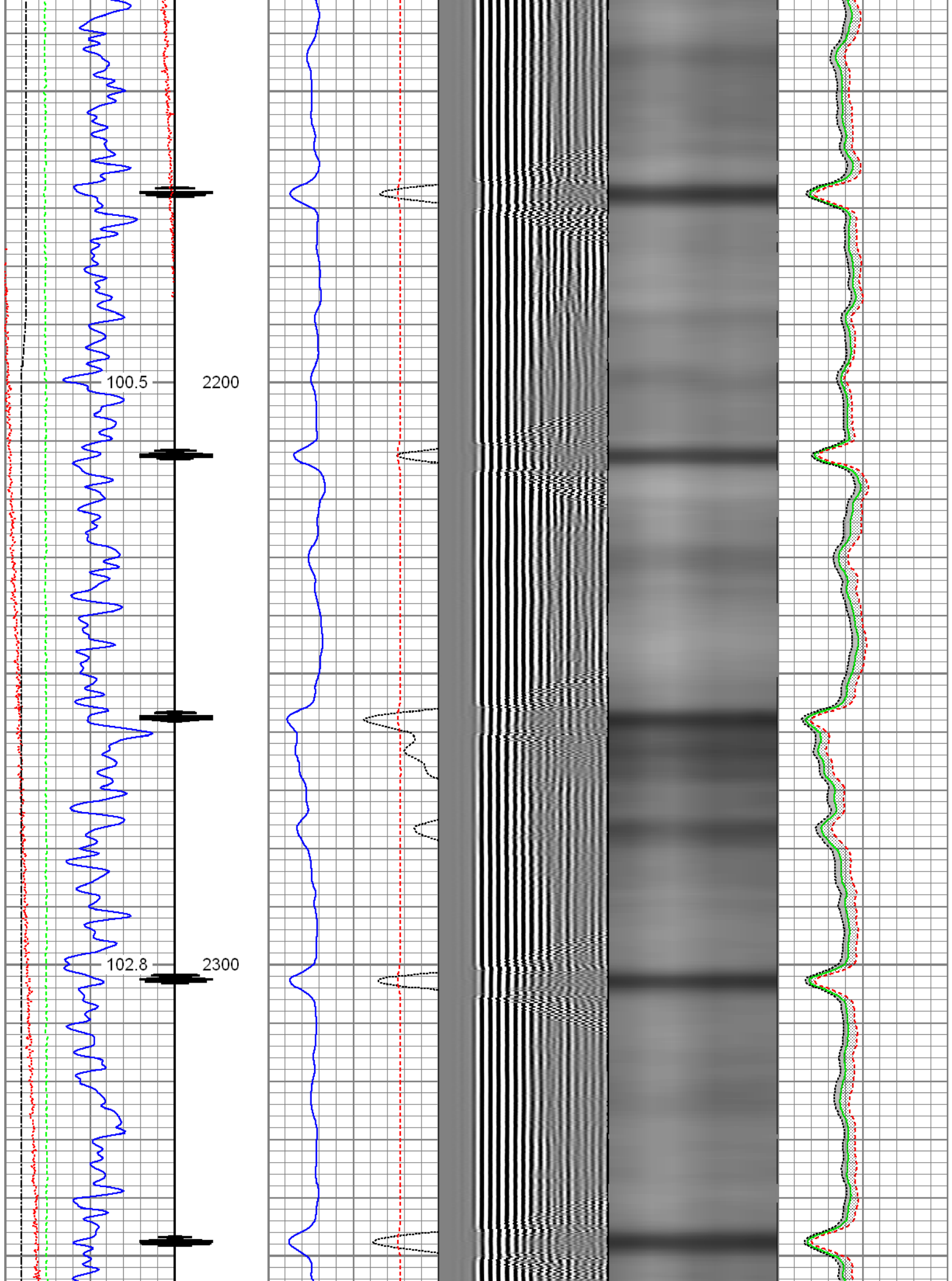


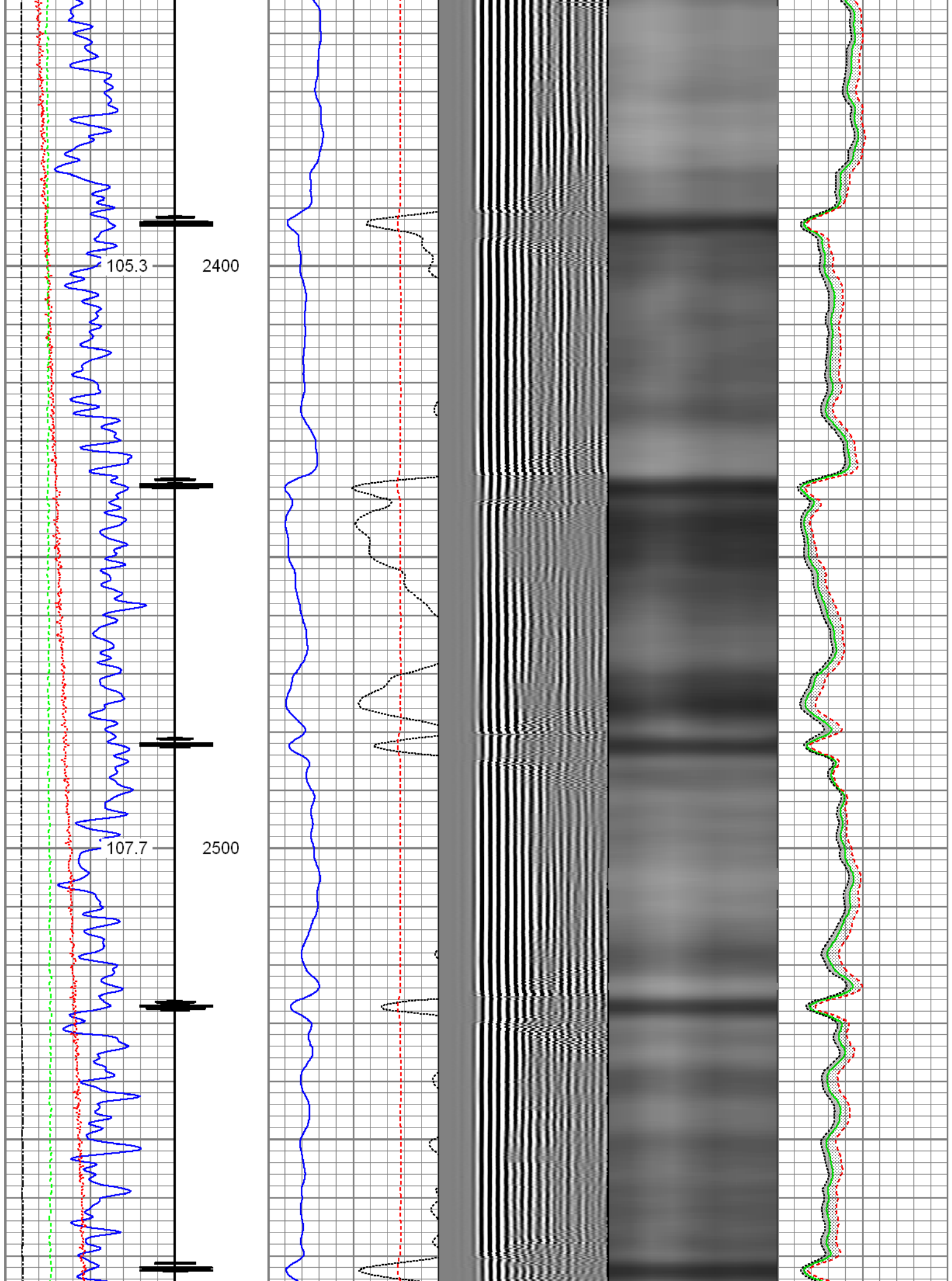


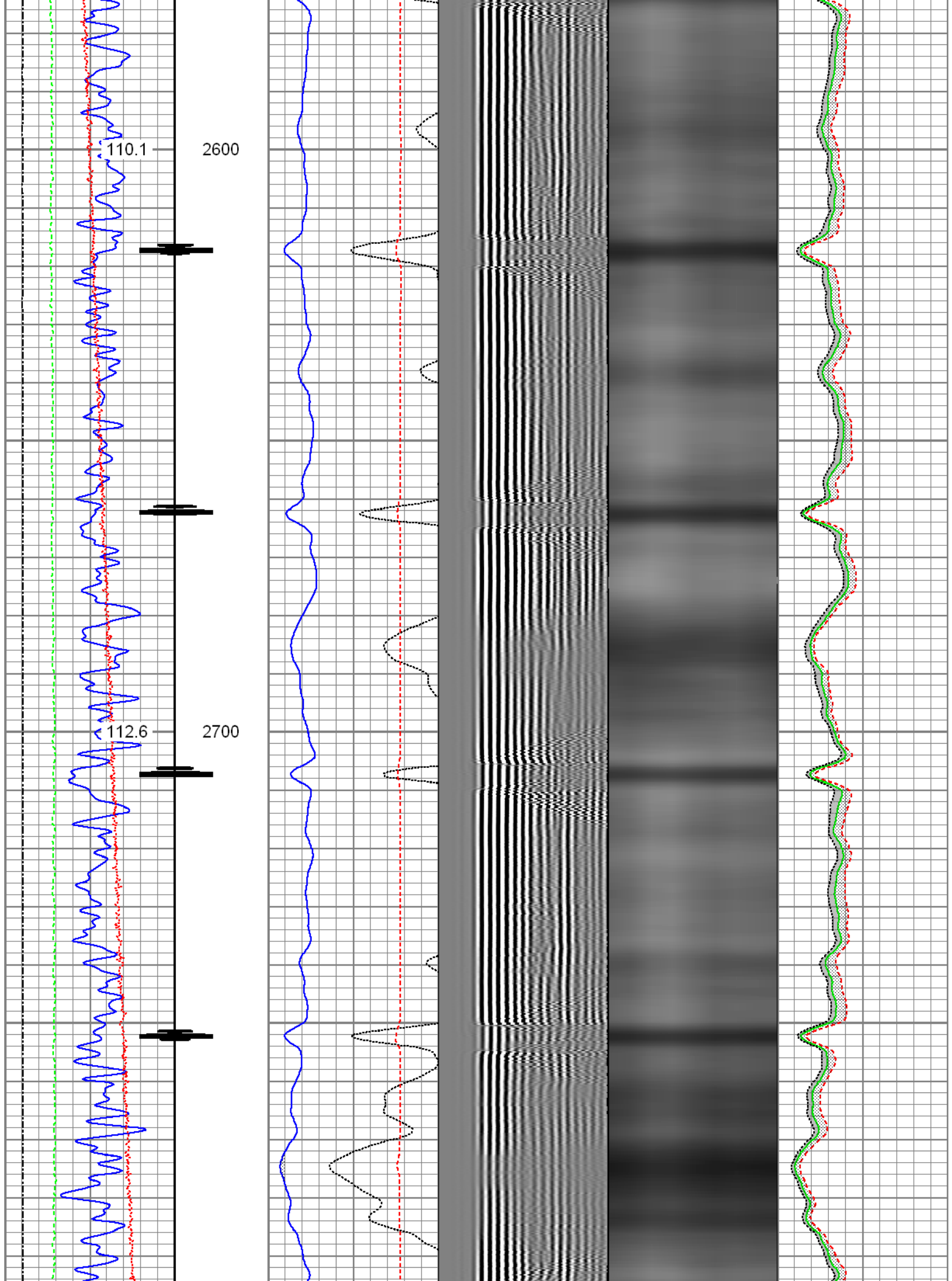


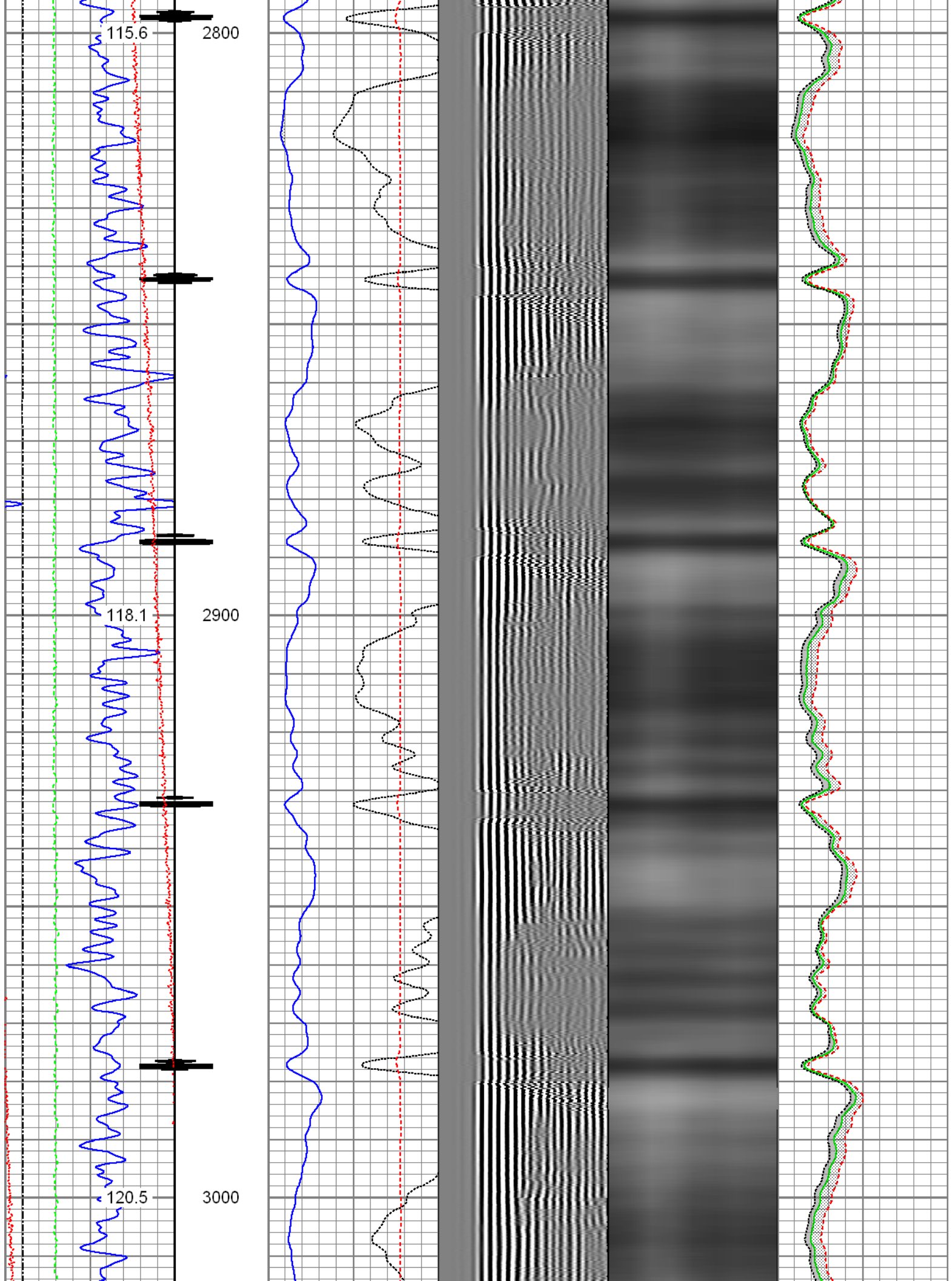


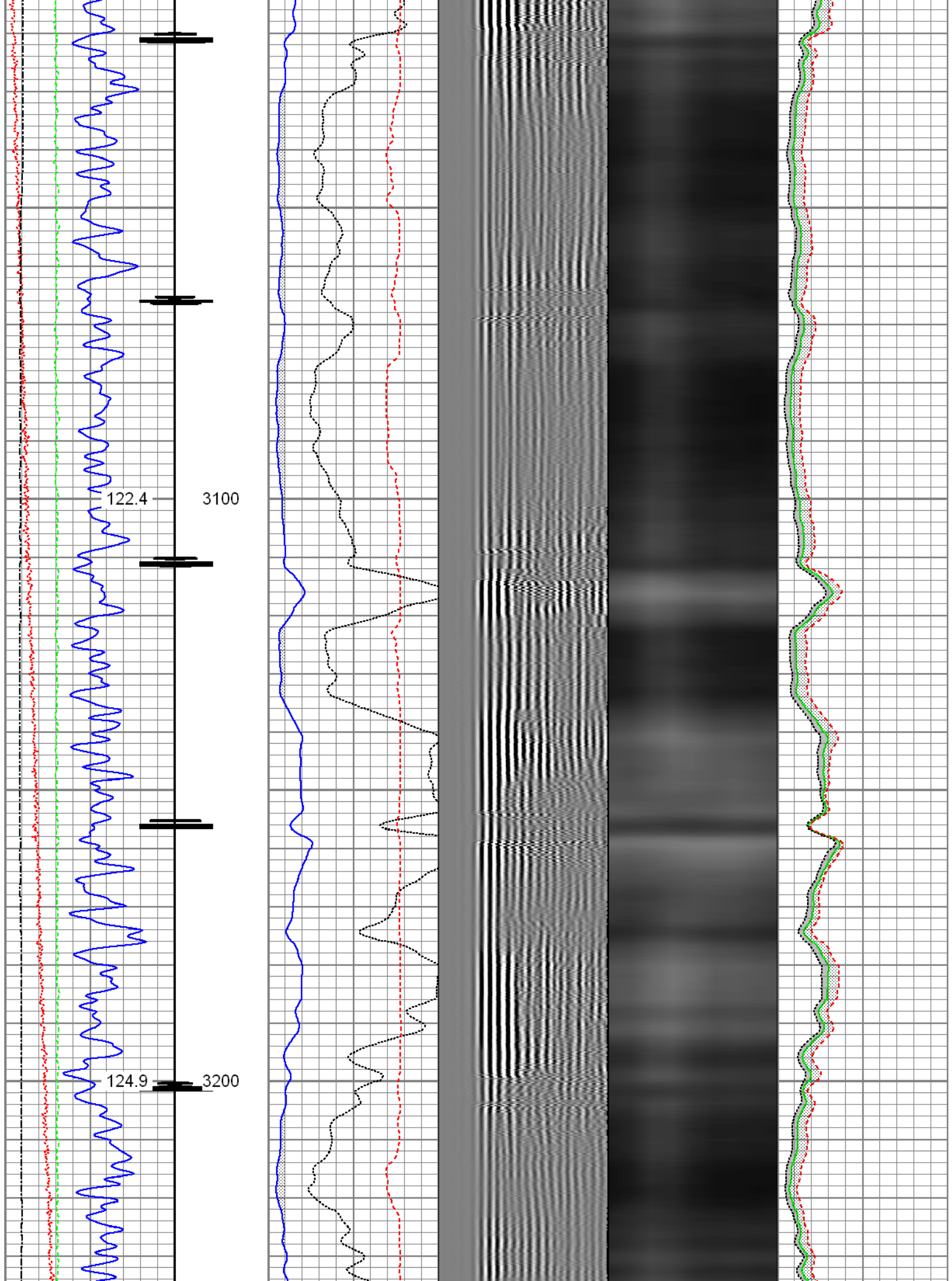


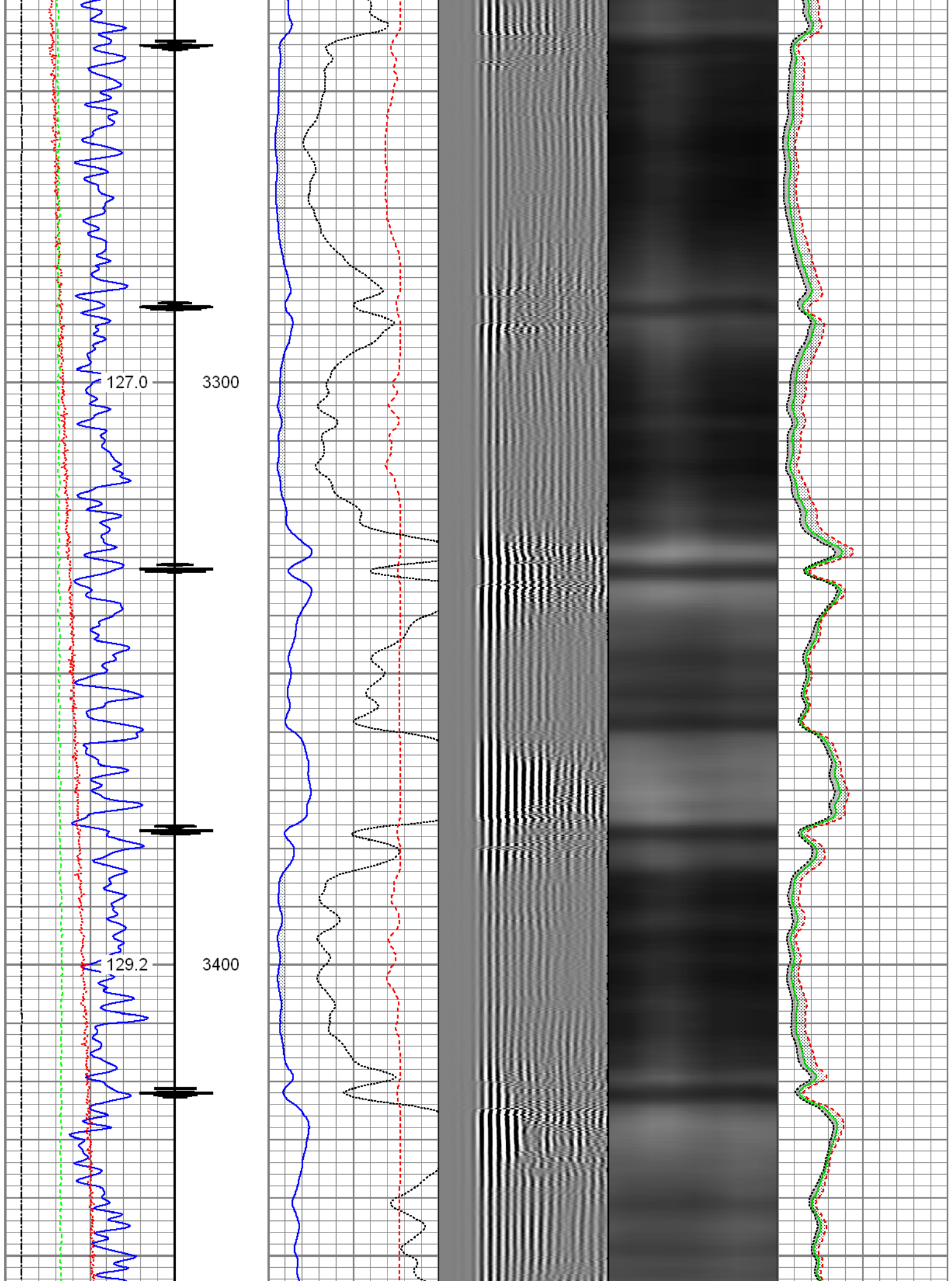


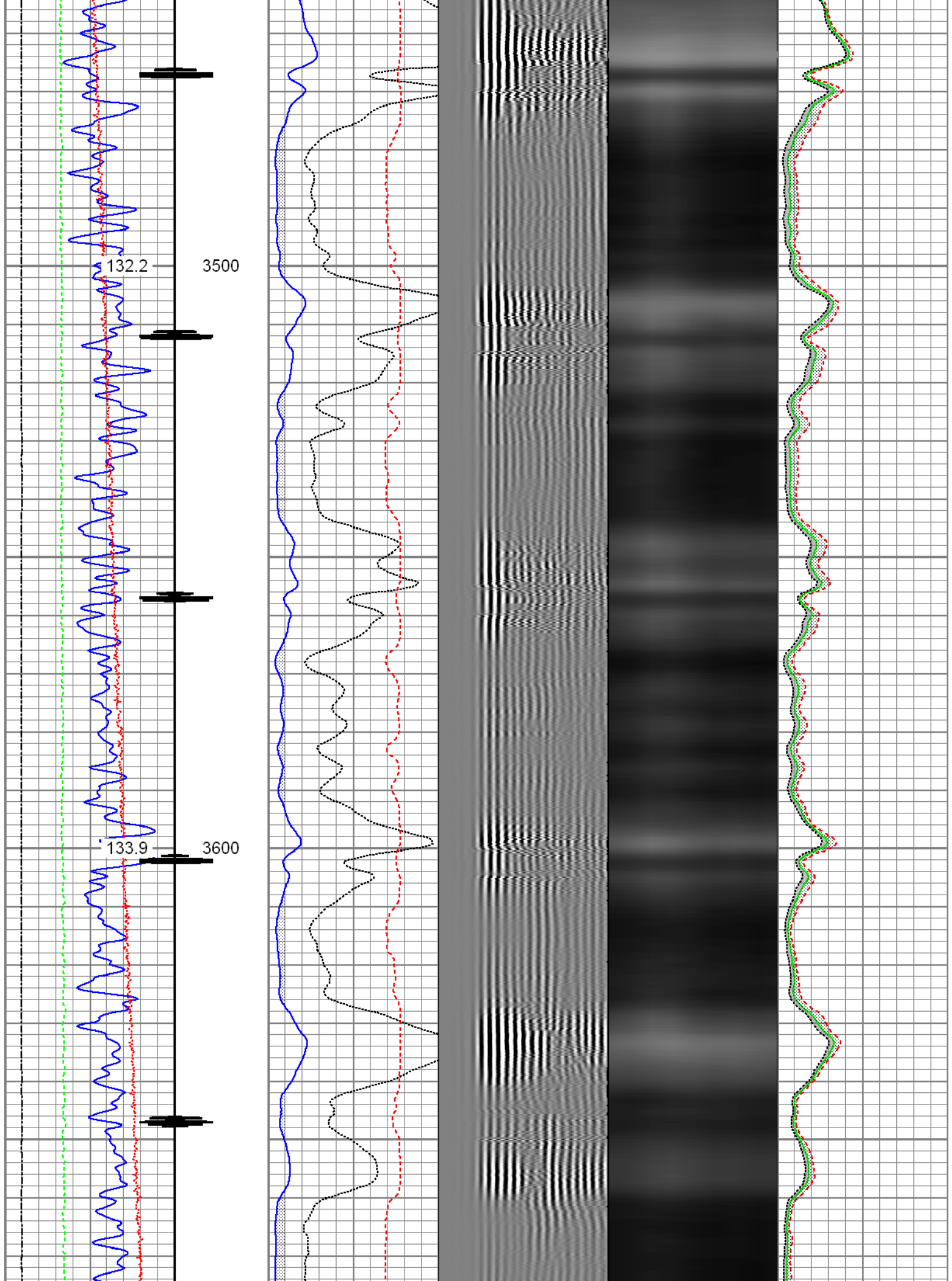


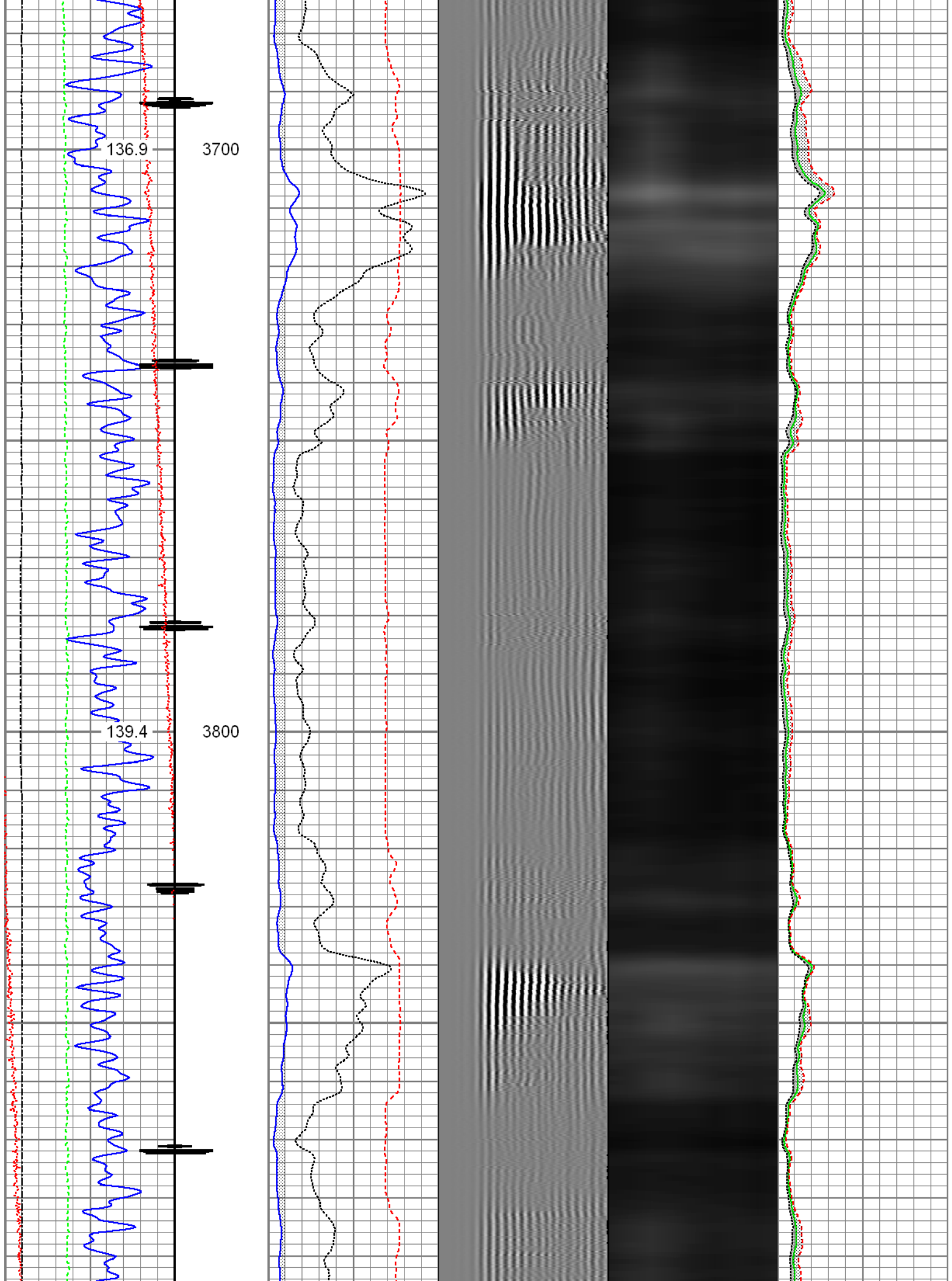


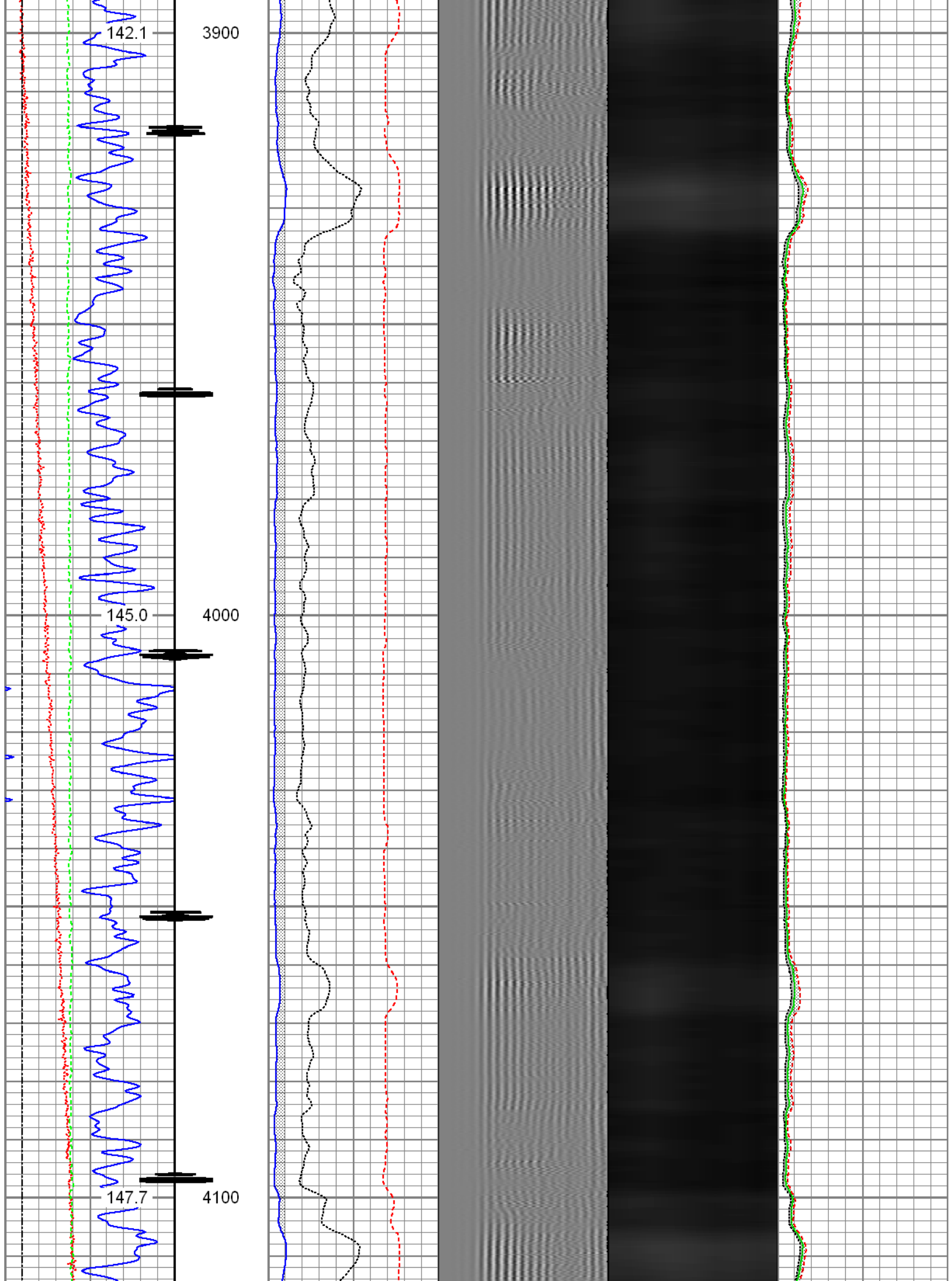


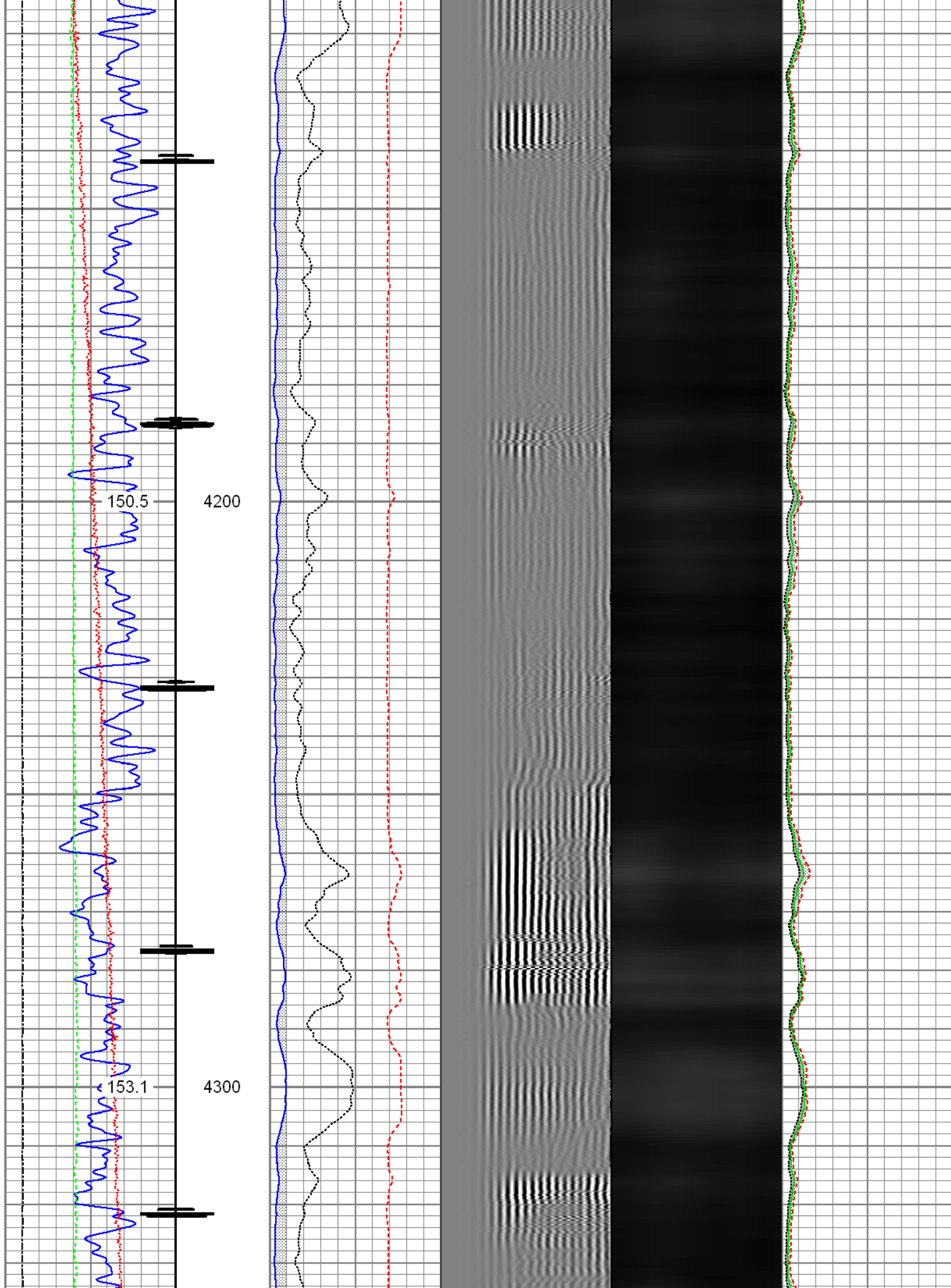


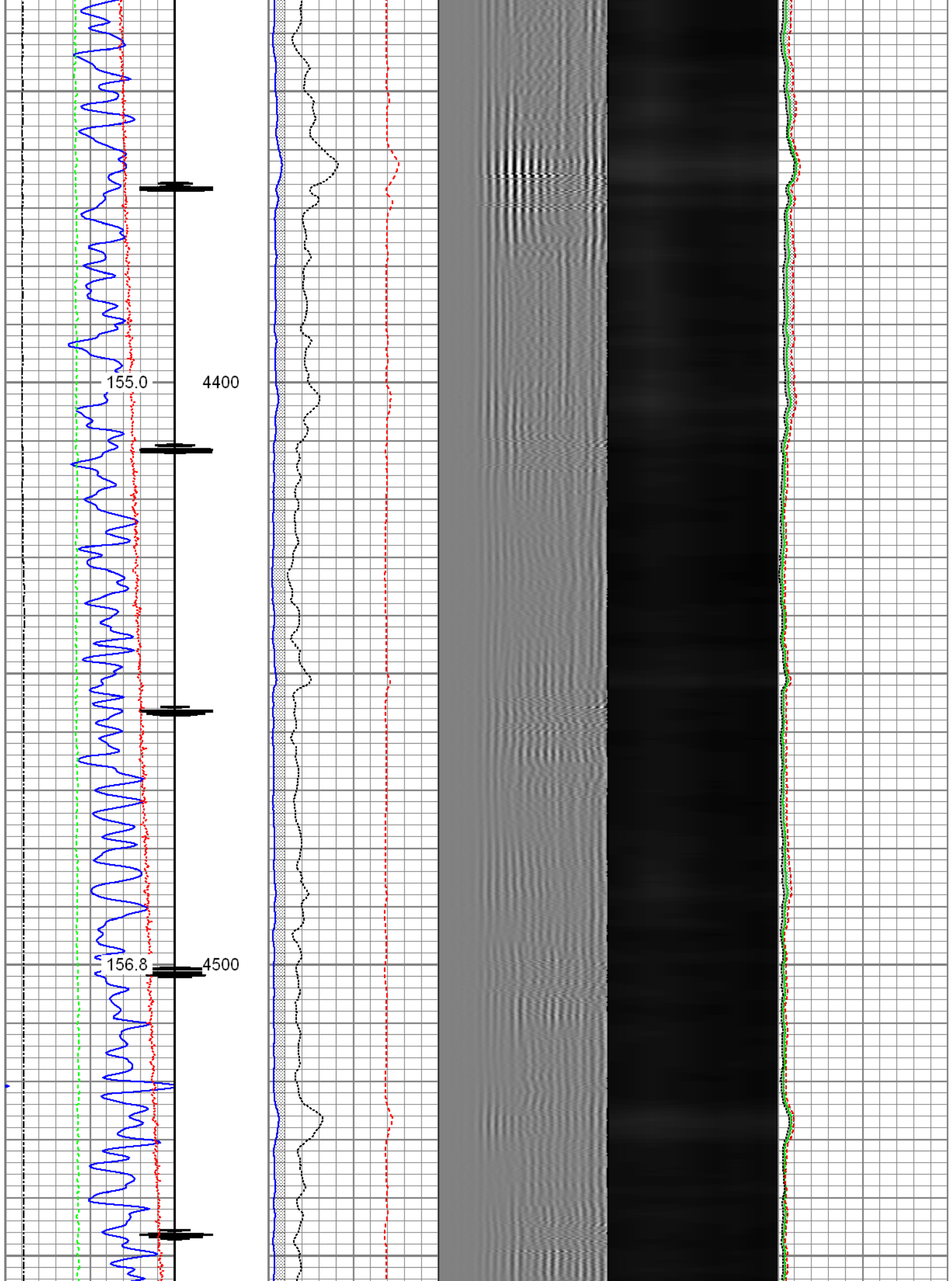


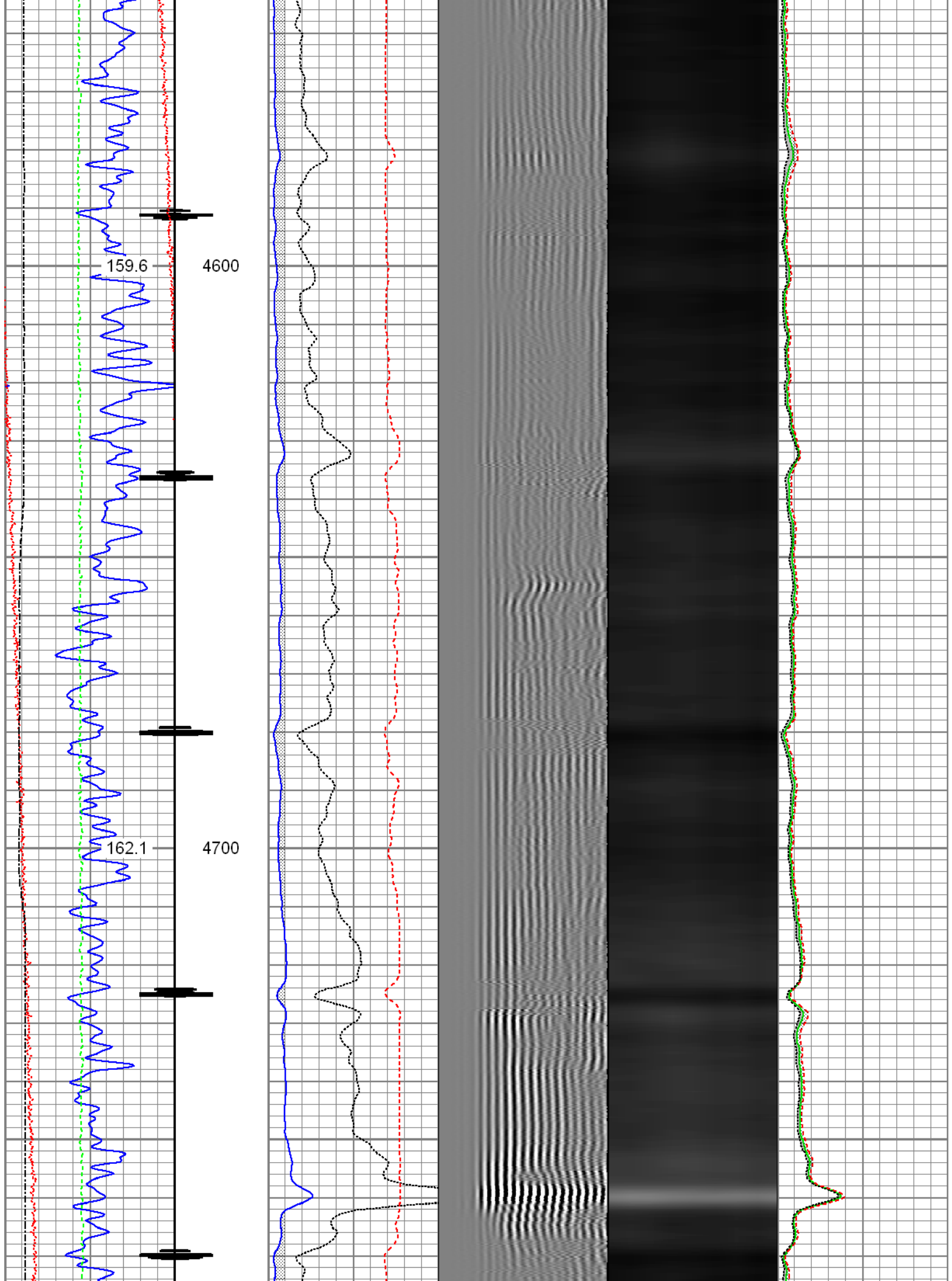


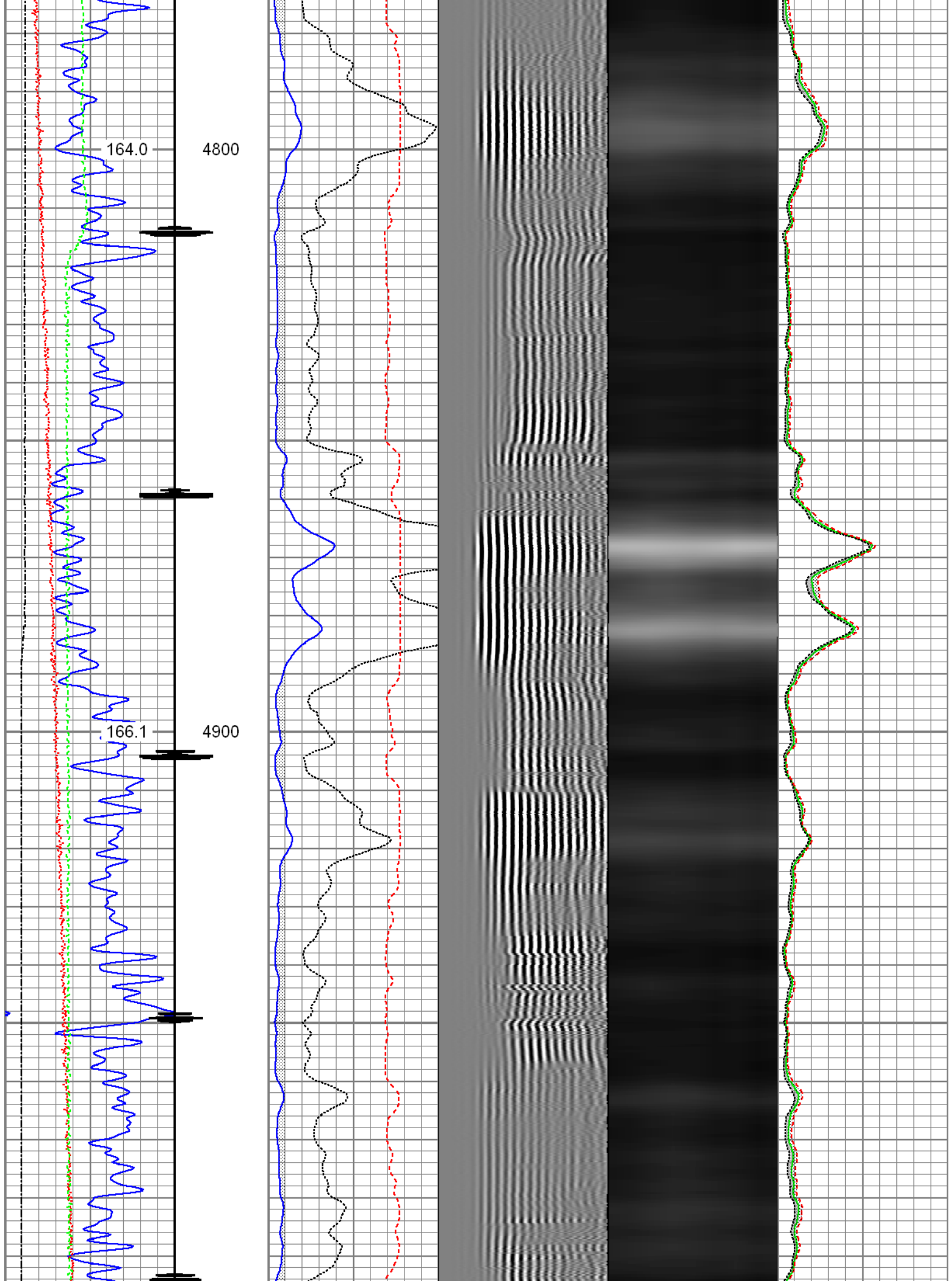


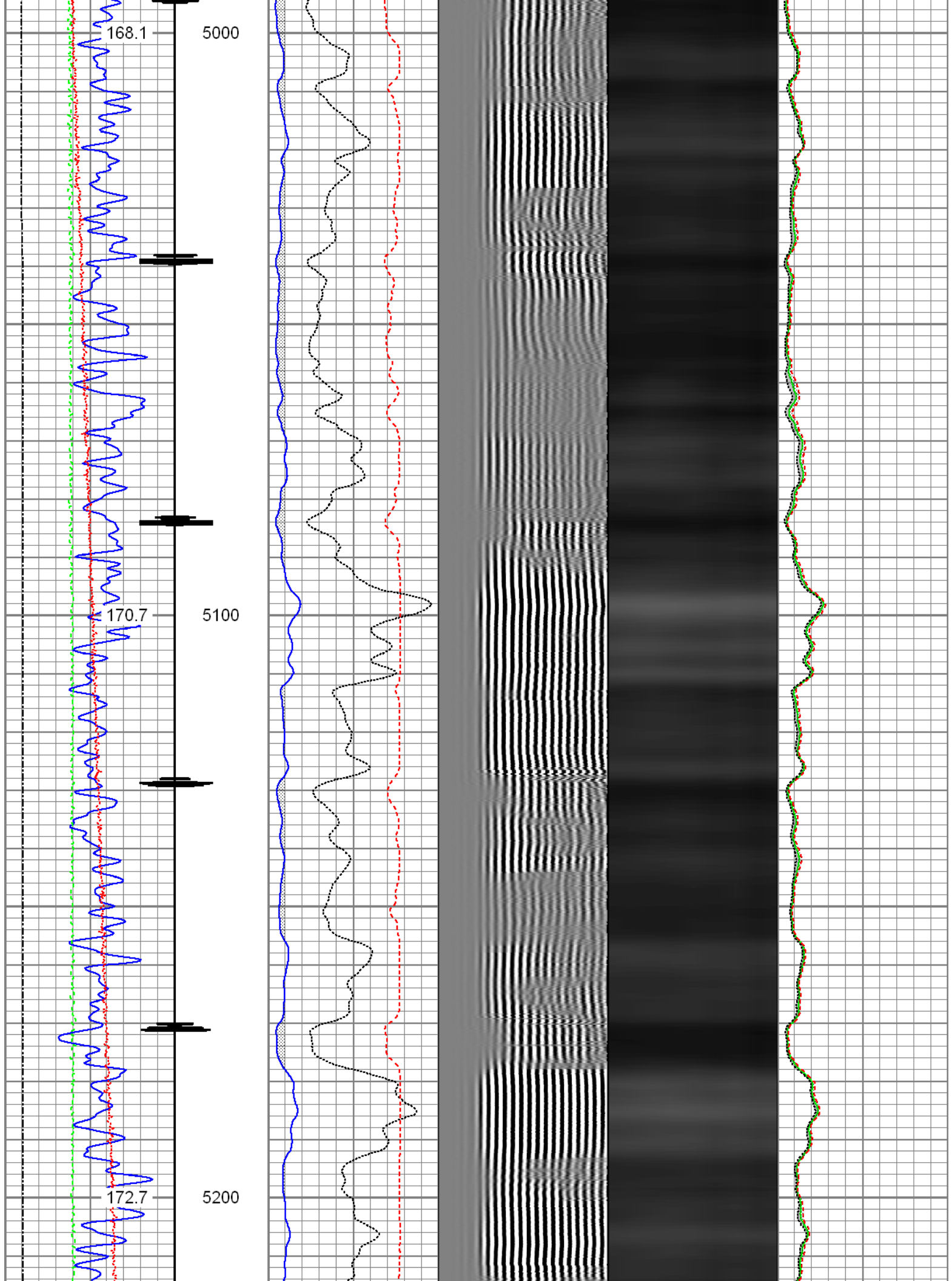


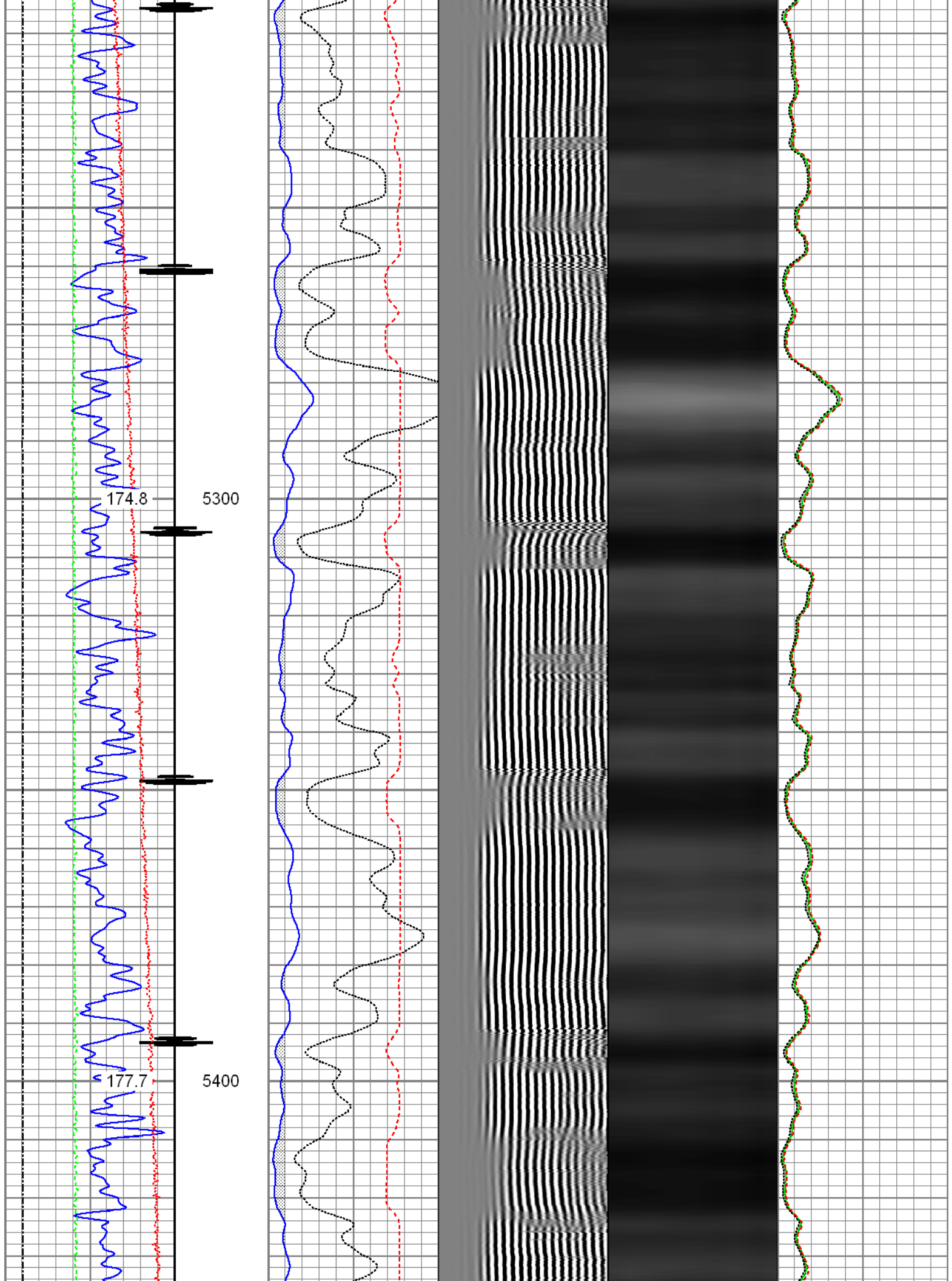


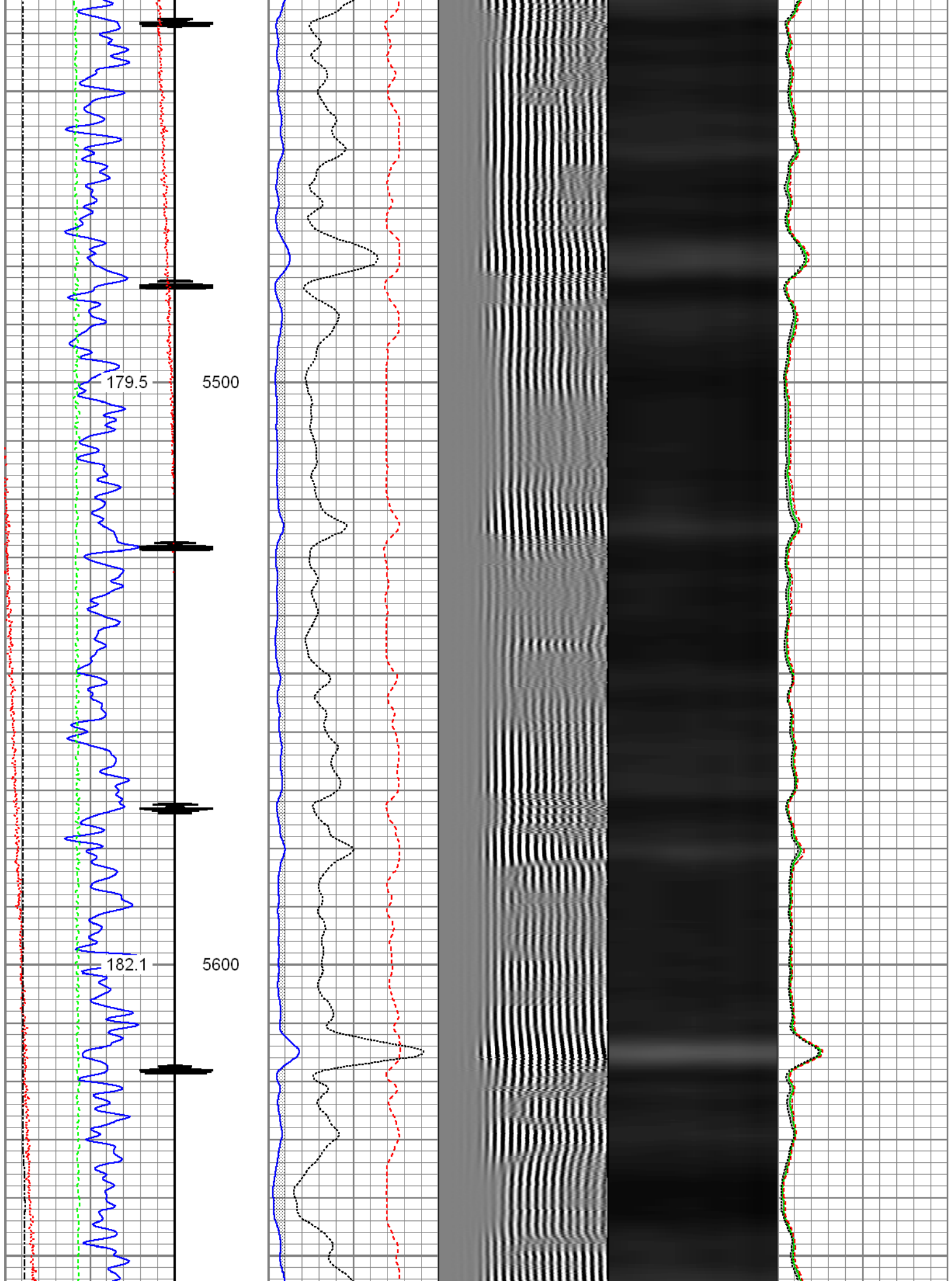


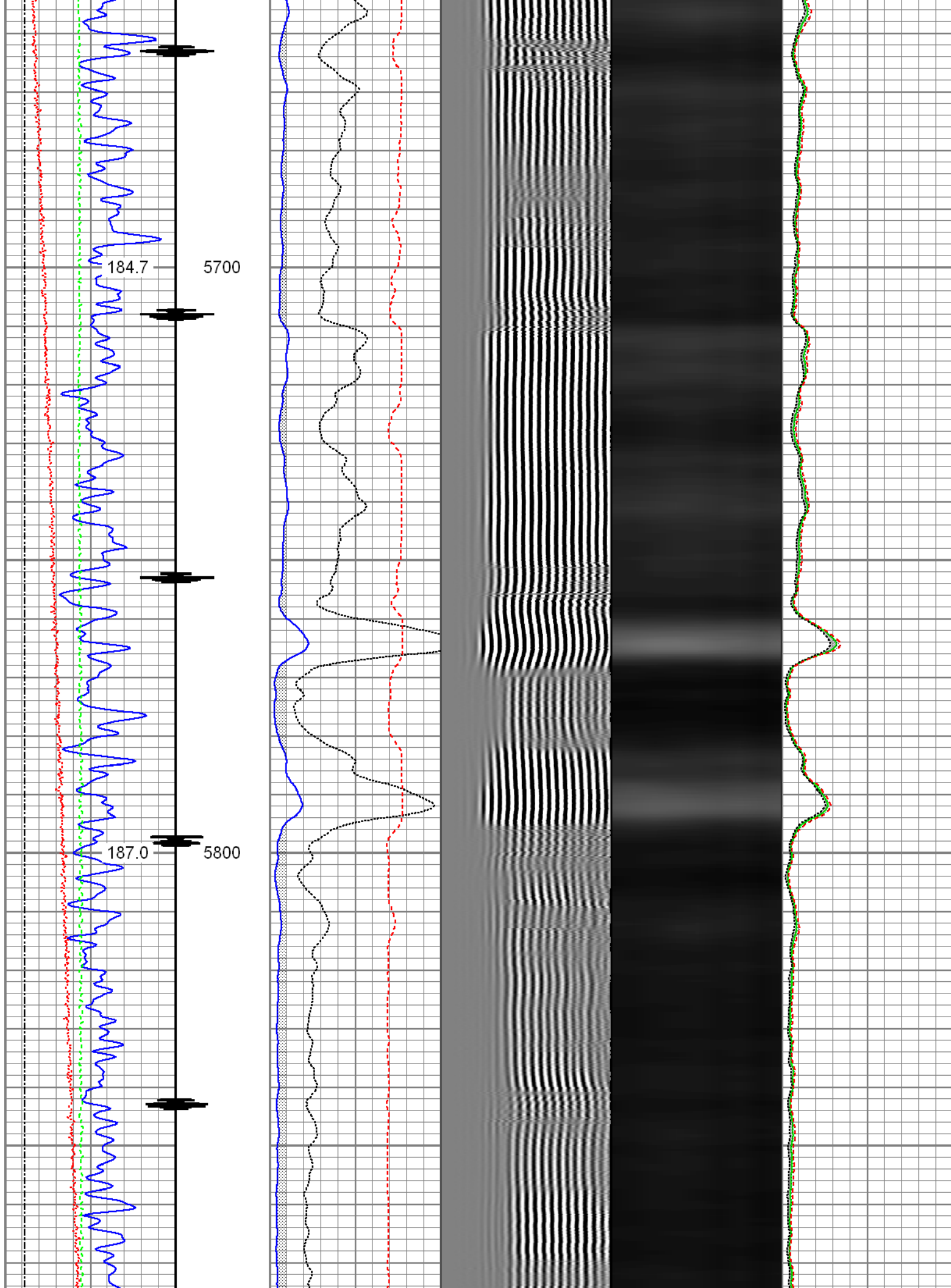


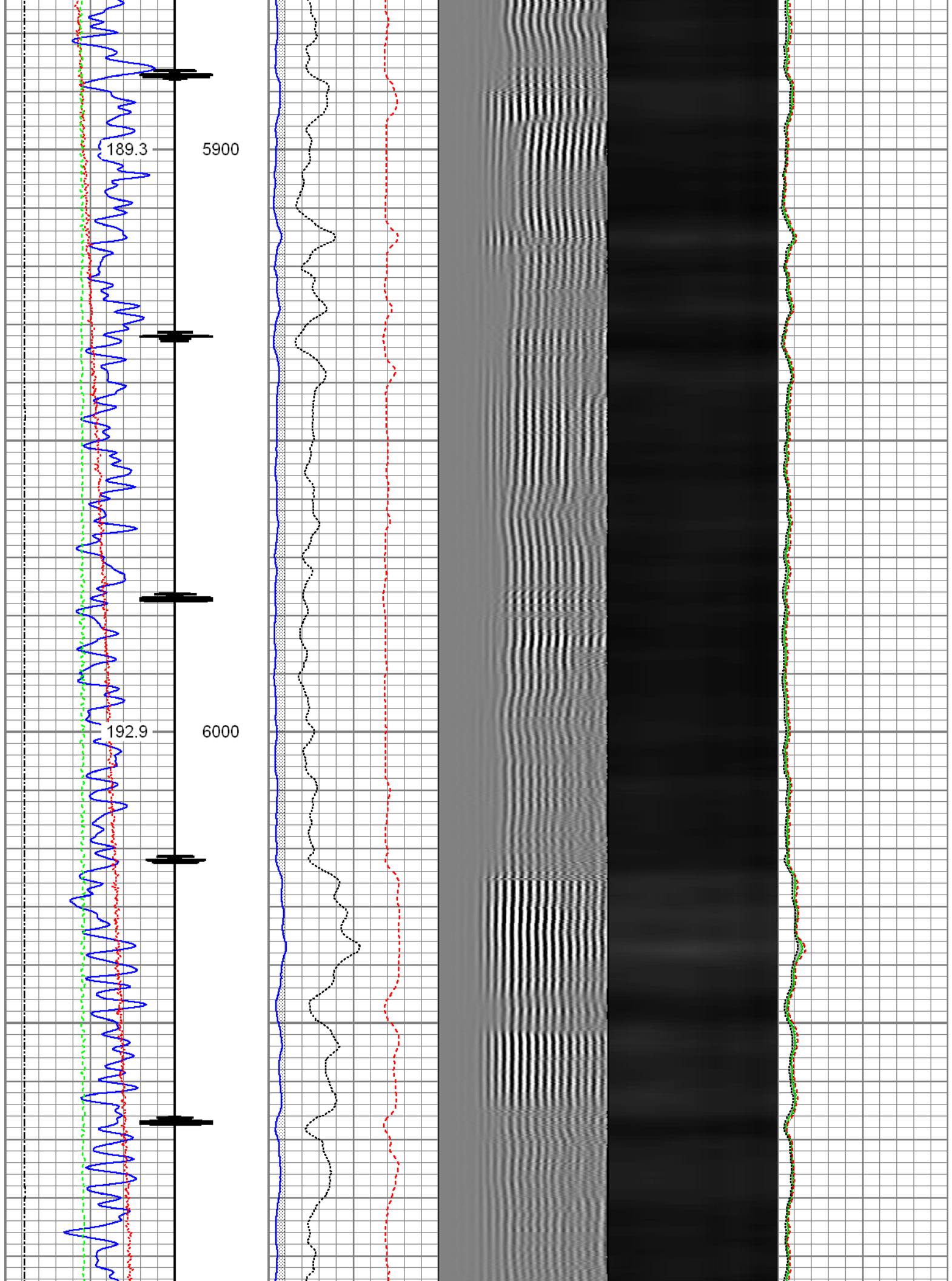


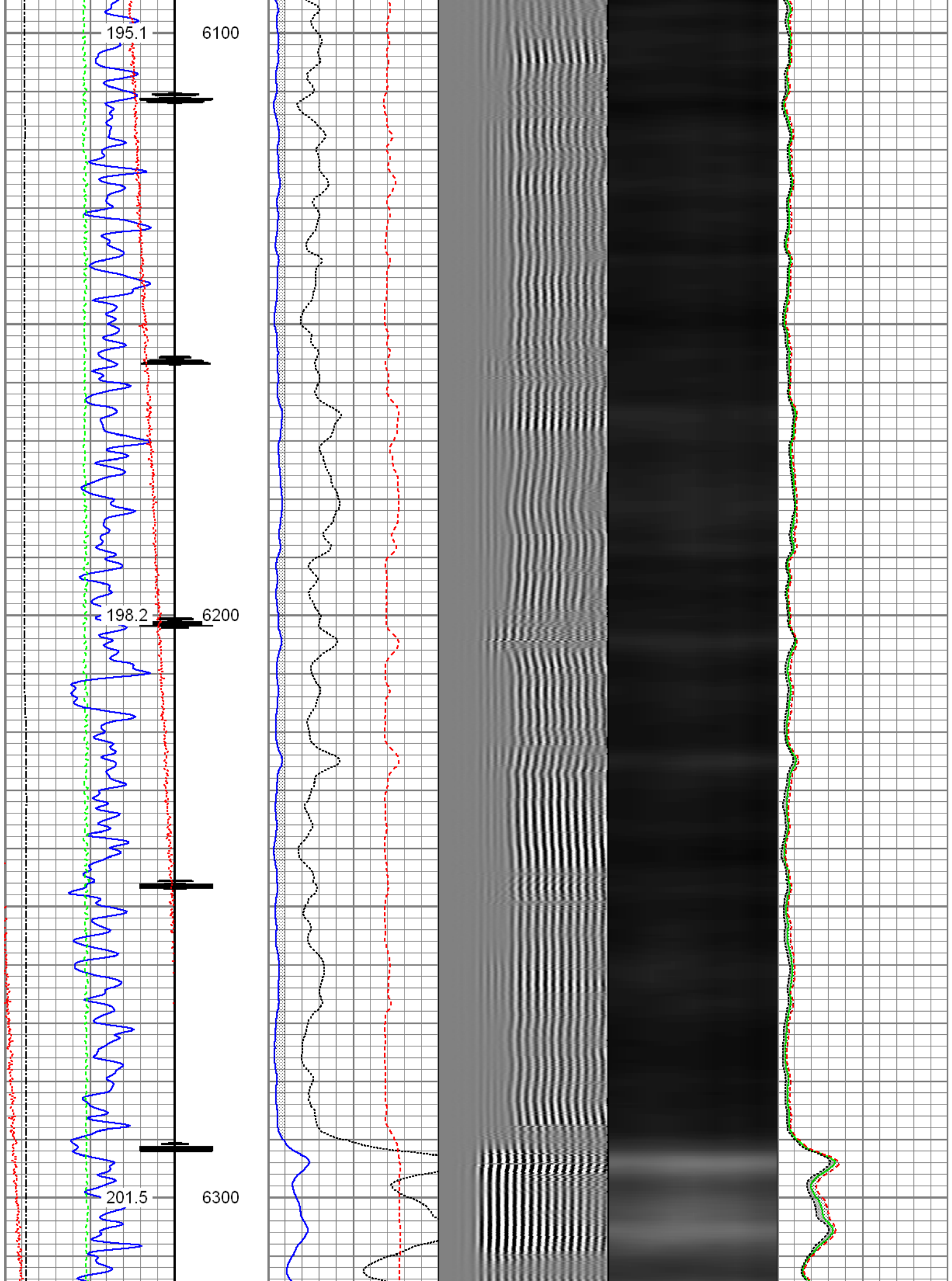


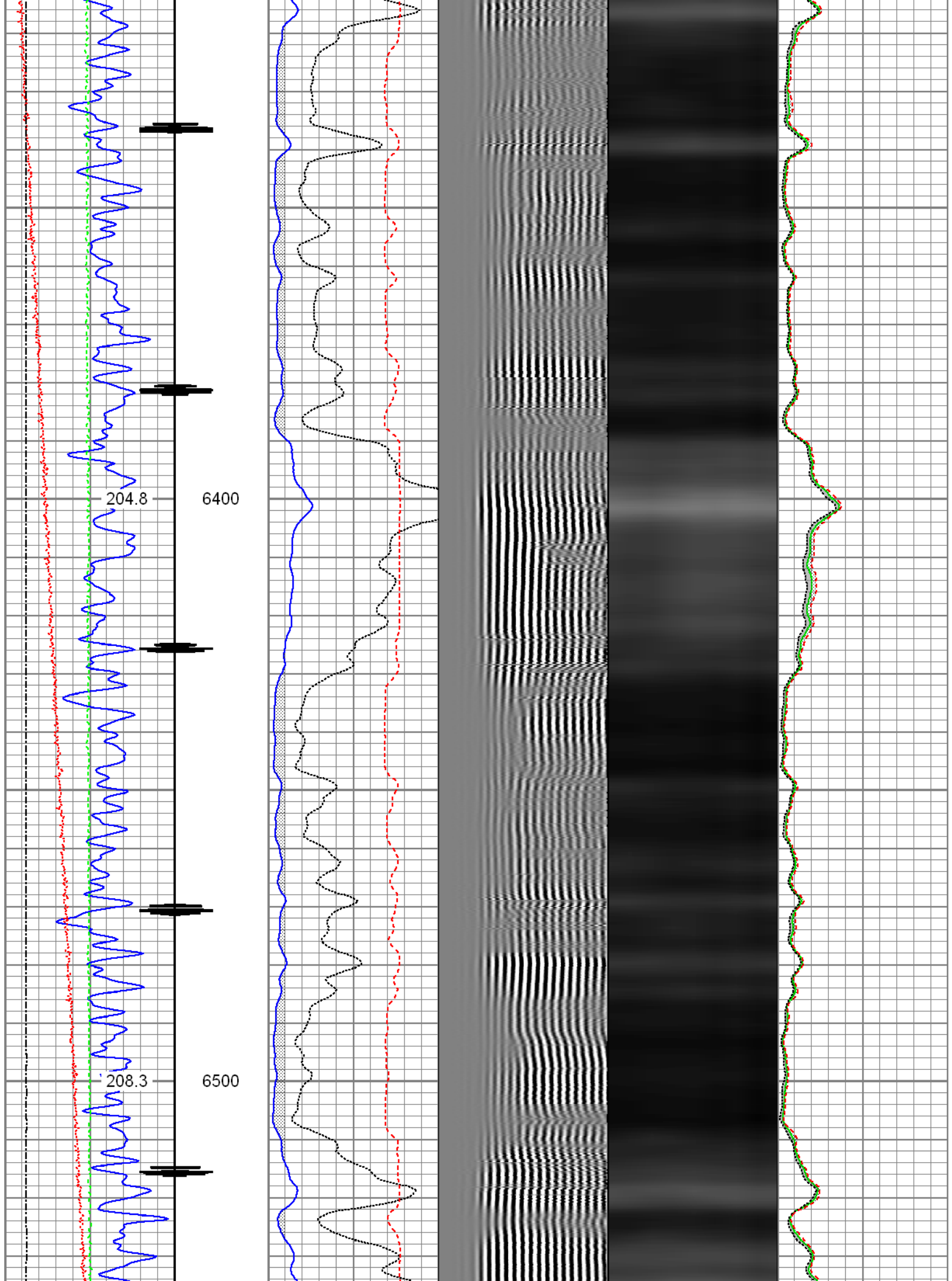


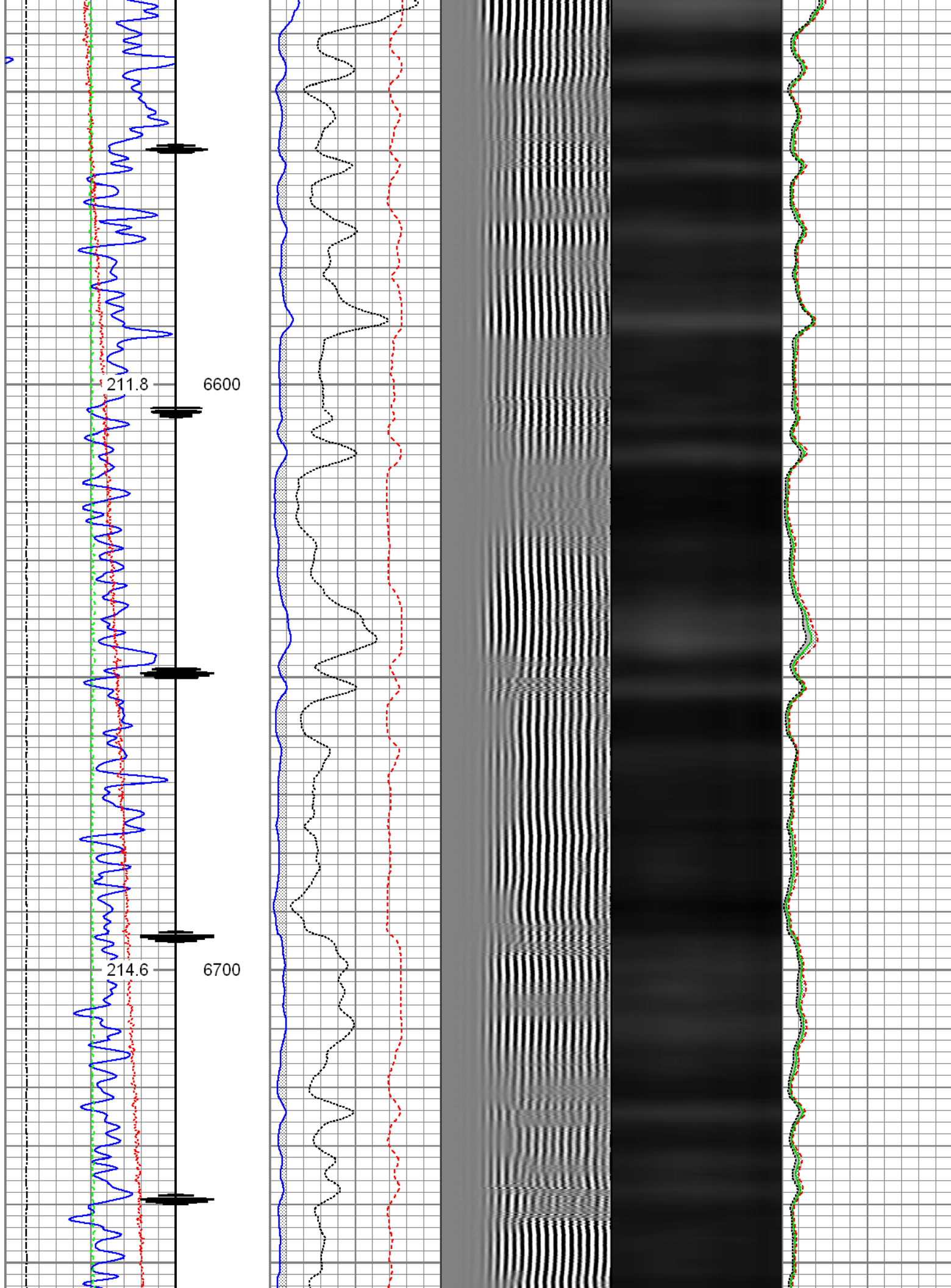


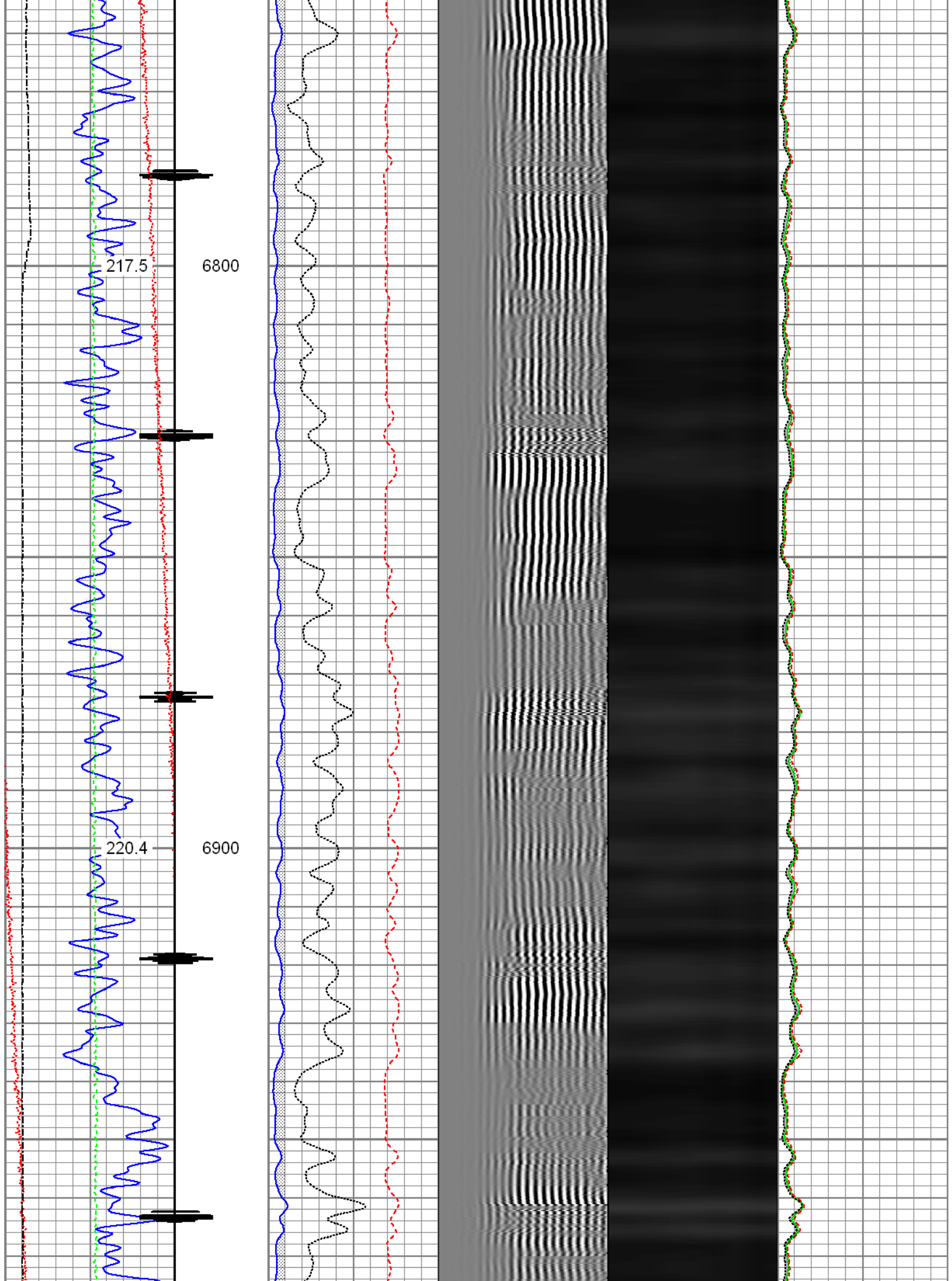


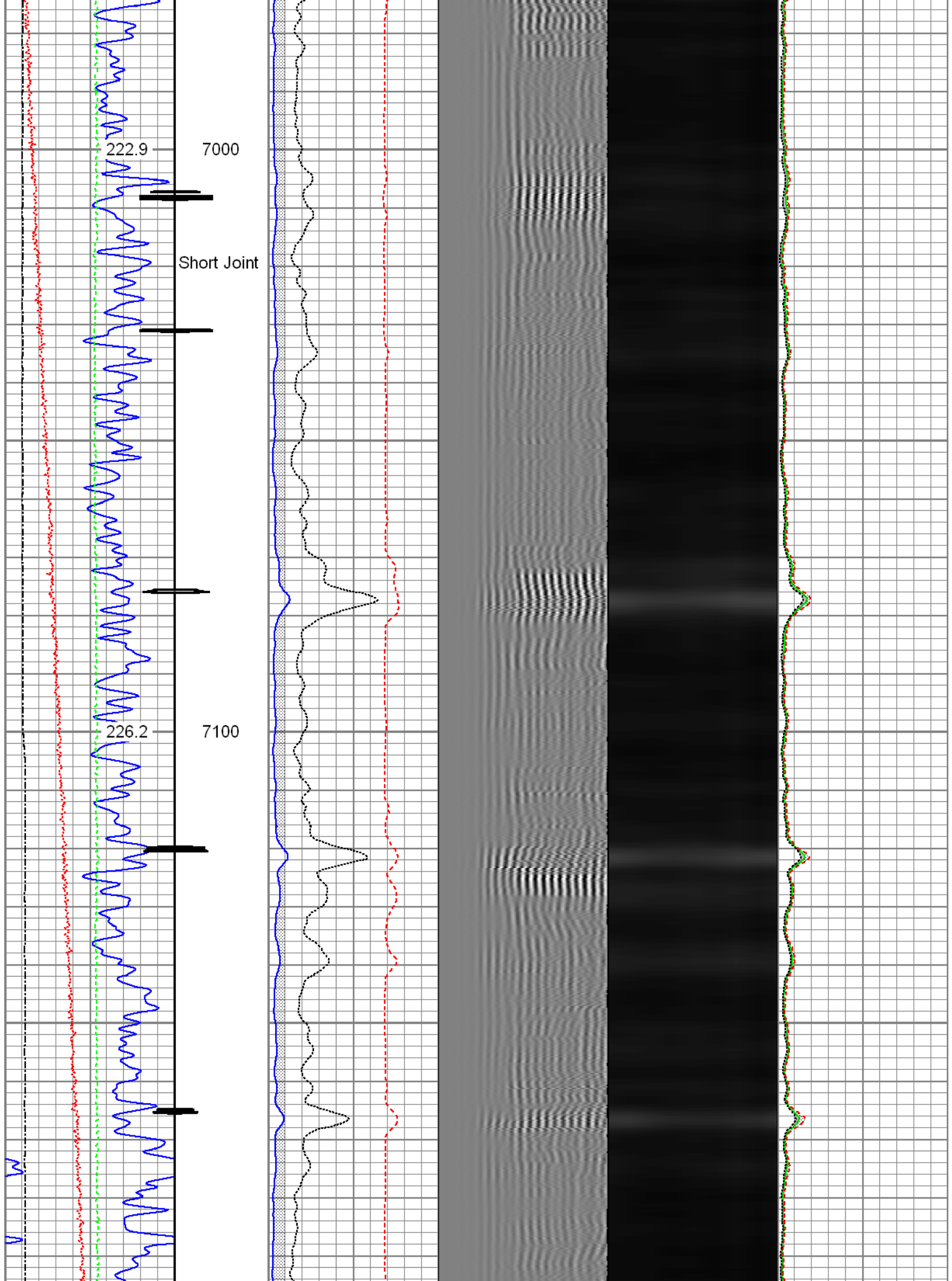


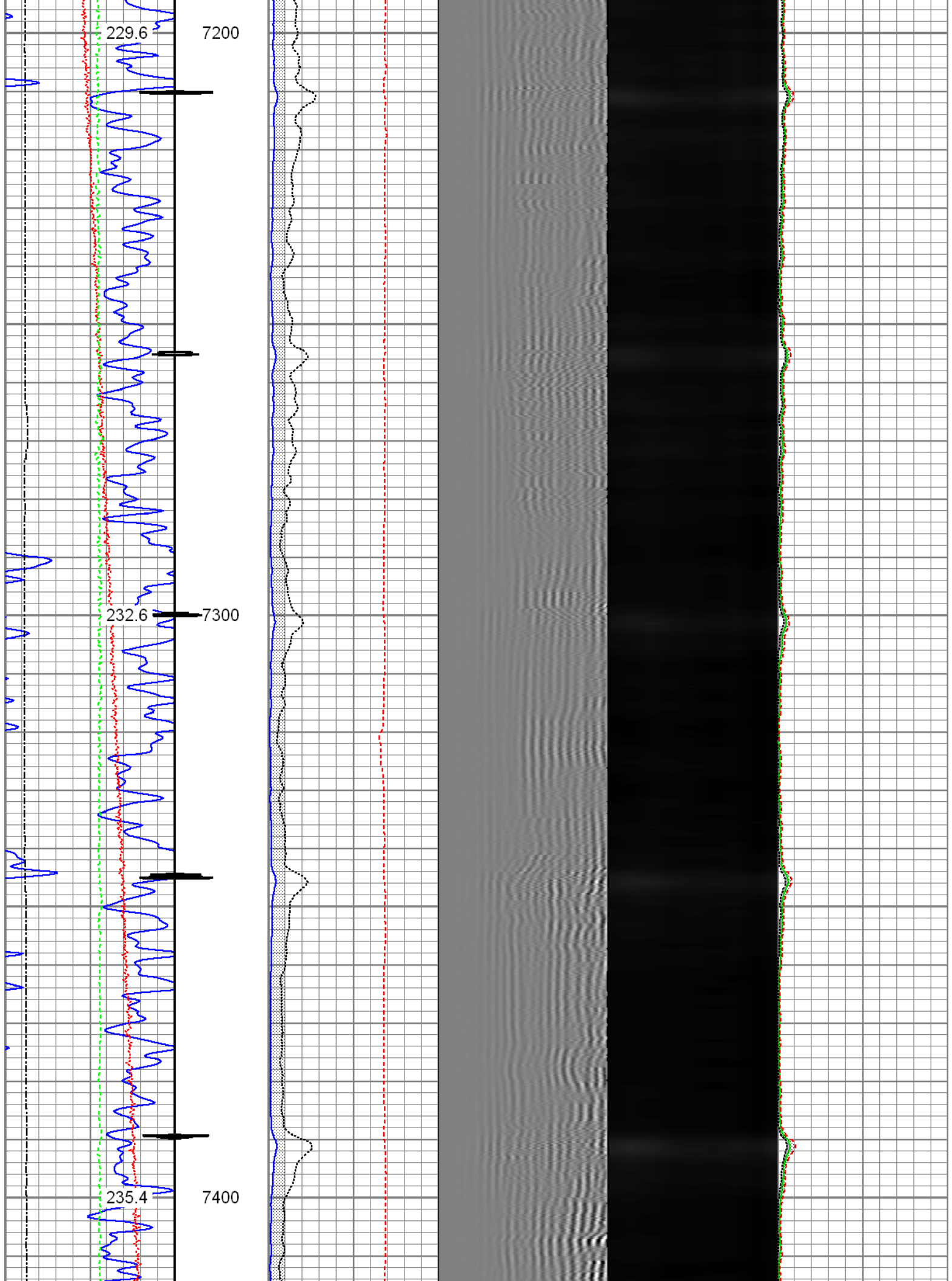


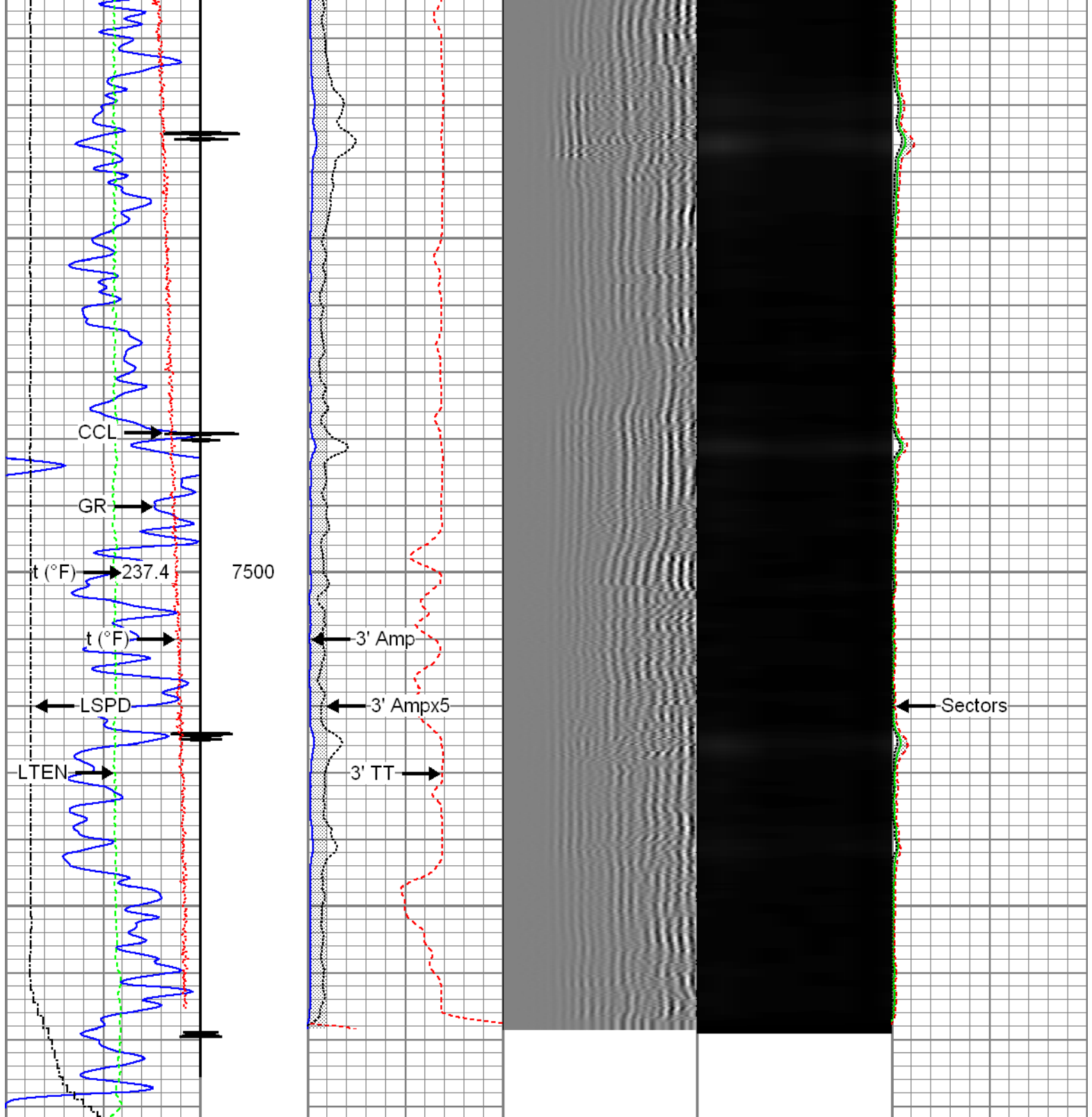








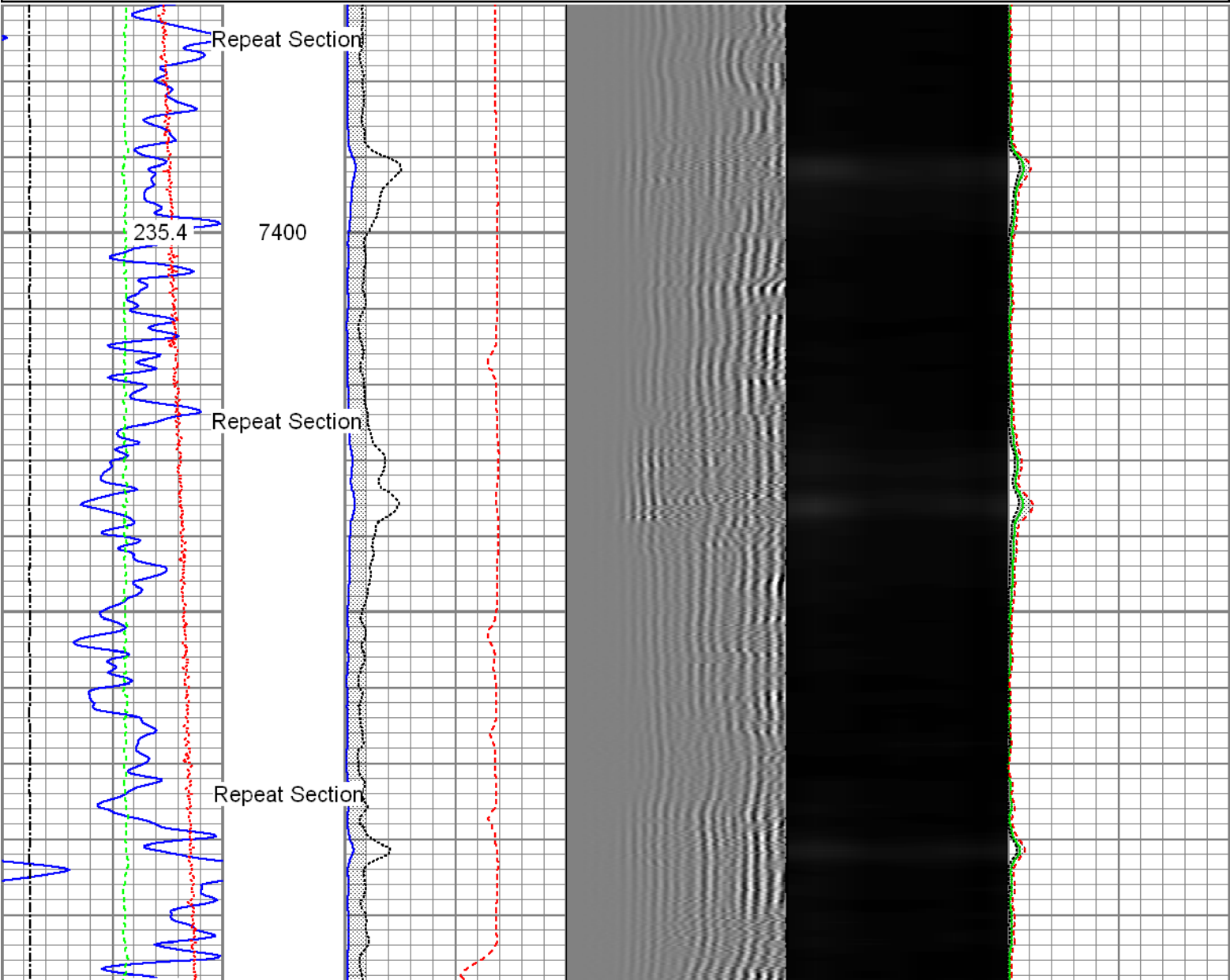


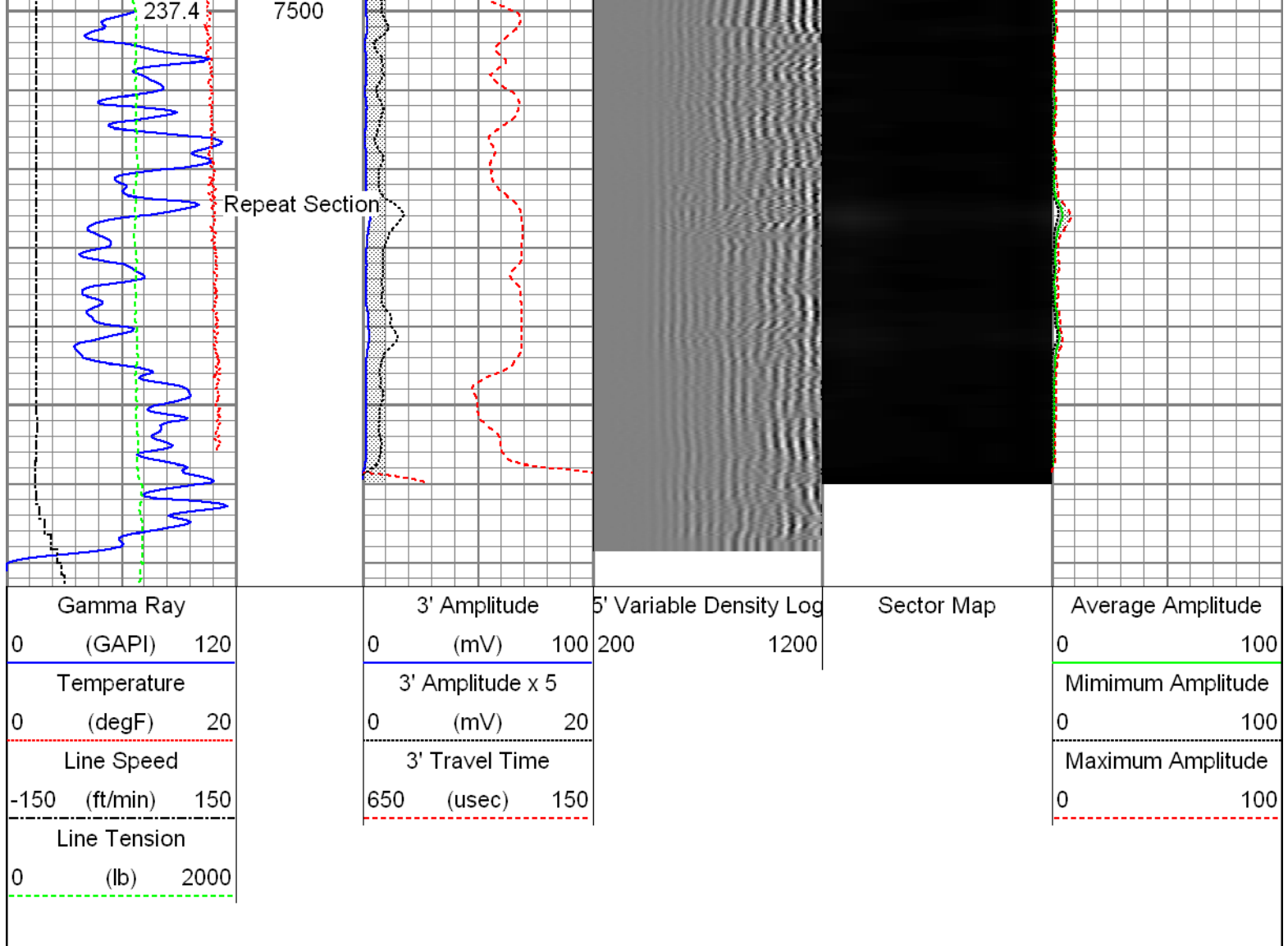


Gamma Ray		3' Amplitude		5' Variable Density Log		Sector Map		Average Amplitude	
0	(GAPI) 120	0	(mV) 100	200	1200			0	100
Casing Collar Locator		3' Amplitude x 5						Minimum Amplitude	
Temperature		0 (mV) 20						0 100	
0	(degF) 20	3' Travel Time						Maximum Amplitude	
Line Speed		650 (usec) 150		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

Database File: c:\warrior\data\0512341554_anadarko_carter 35c-33hz_11-03-15_rb\0512341554_anadarko_carter
Dataset Pathname: pass4.1
Presentation Format: radii
Dataset Creation: Tue Nov 03 16:40:15 2015 by Calc 7.0 B1
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	Len (ft)	OD (in)	Wt (lb)
			T_CH14375_1_GO Titan 1-7/16" Assembled Electric Cable Head with 1" Fishing Neck	1.03	1.44	4.00
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
HeadVolt	19.49					
Temp	16.72					
WVF3FT	14.55		Probe_RADII-C-2-3/4" (FW1305-098) Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	9.19	2.75	105.00
WVFCAL	14.55					
WVFS1	14.55					
WVFS2	14.55					
WVFS3	14.55					

	Tool Joint Depth	Cable Gauge	Probe Name	Length	Weight	O.D.
WVFS3	14.55					
WVFS4	14.55					
WVFS5	14.55					
WVFS6	14.55					
WVFS7	14.55					
WVFS8	14.55					
WVF5FT	13.55					
			Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
CCL DCCL	6.51 6.51		Probe_CCL_GR-2.75"Digital (FW1212-026) Probe 2-3/4" Digital CCL / Gamma Ray Combined	4.54	2.75	55.00
GR	3.77		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
Dataset: 0512341554_Anadarko_Carter 35C-33HZ_11-03-15_RBL.db: field/well/run1/pass6.1 Total Length: 23.40 ft Total Weight: 194.00 lb O.D.: 2.75 in						

Gamma Ray Calibration Report

Segmented Cement Bond Log Calibration Report

Master Calibration, performed Tue Nov 03 16:11:23 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.011	0.549	0.800	71.921	132.157	-0.630
CAL	0.010	0.607				
5'	0.016	0.426	0.800	71.921	173.453	-1.969
SUM						
S1	0.010	0.537	0.000	100.000	189.755	-1.894
S2	0.012	0.567	0.000	100.000	180.036	-2.082
S3	0.011	0.605	0.000	100.000	168.362	-1.883
S4	0.011	0.607	0.000	100.000	167.799	-1.921
S5	0.011	0.587	0.000	100.000	173.582	-1.922
S6	0.011	0.548	0.000	100.000	186.208	-2.034
S7	0.012	0.521	0.000	100.000	196.230	-2.320
S8	0.013	0.517	0.000	100.000	198.432	-2.613

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.010	0.607	1.000	0.000

Air Zero Calibration, performed Tue Nov 03 14:28:44 2015:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.010		0.000		0.000	
5'	0.010		0.000		0.000	
SUM						
S1	0.010		0.000		-0.000	
S2	0.010		0.000		-0.000	
S3	0.010		0.000		-0.000	
S4	0.010		0.000		-0.000	
S5	0.010		0.000		-0.000	
S6	0.010		0.000		-0.000	
S7	0.010		0.000		-0.000	
S8	0.010		0.000		0.000	



Company Kerr-McGee Oil and Gas Onshore LP
 Well Carter 35C-33HZ
 Field Wattenberg
 County Weld
 State Colorado