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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 Recorded Marker Joint at 6655 FT Log ran from 7660 FT to surface Log ran with 2800 PSI surface induced pressure Thank you for choosing FMC Technologies Completion Services, Inc.!!



Recorded with 2800 PSI Surface Induced Pressure

Database File:0512341284_anadarko_bat 29n1-9hz_08-03-15_rbl.db

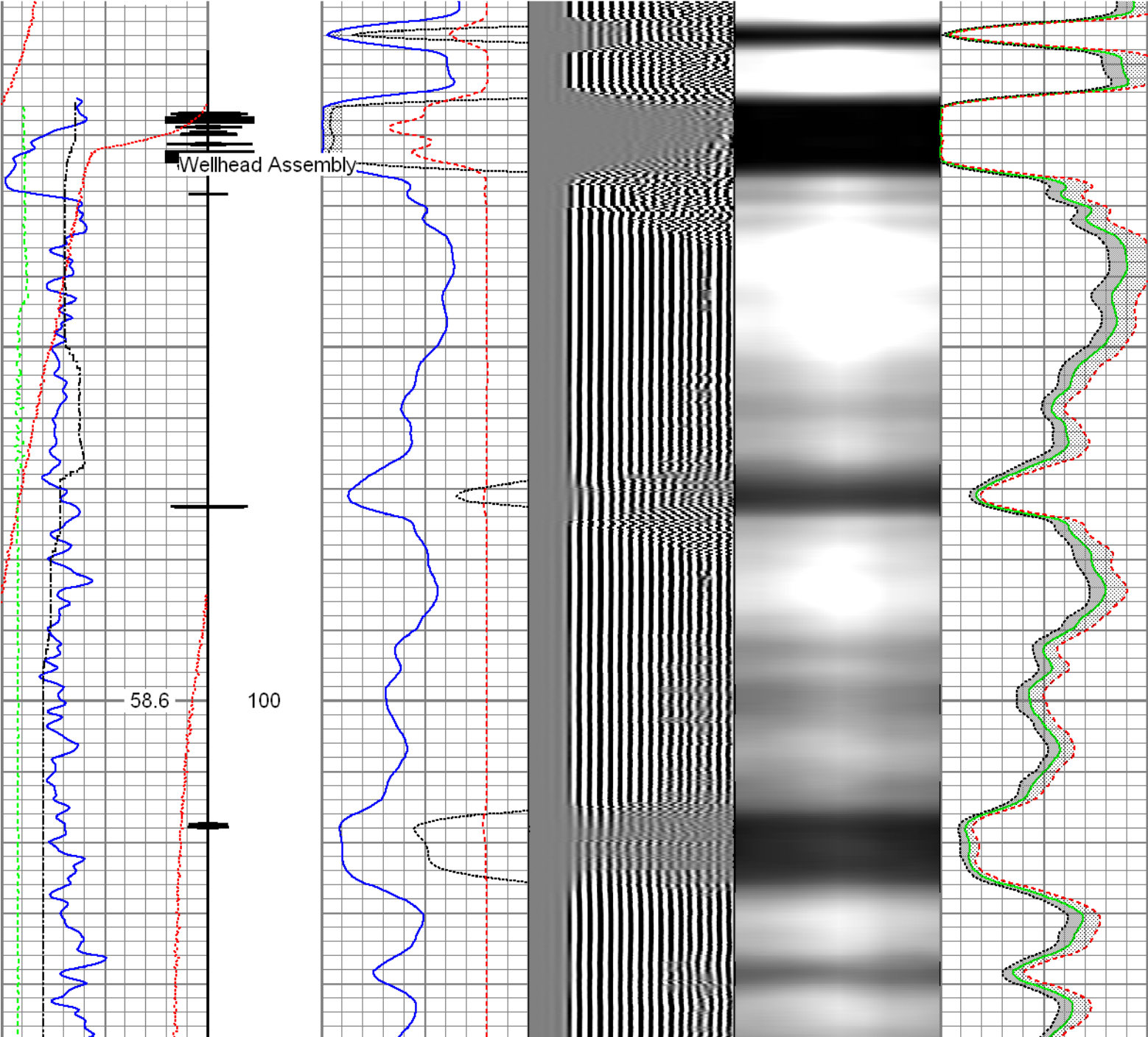
Dataset Pathname:MainPass

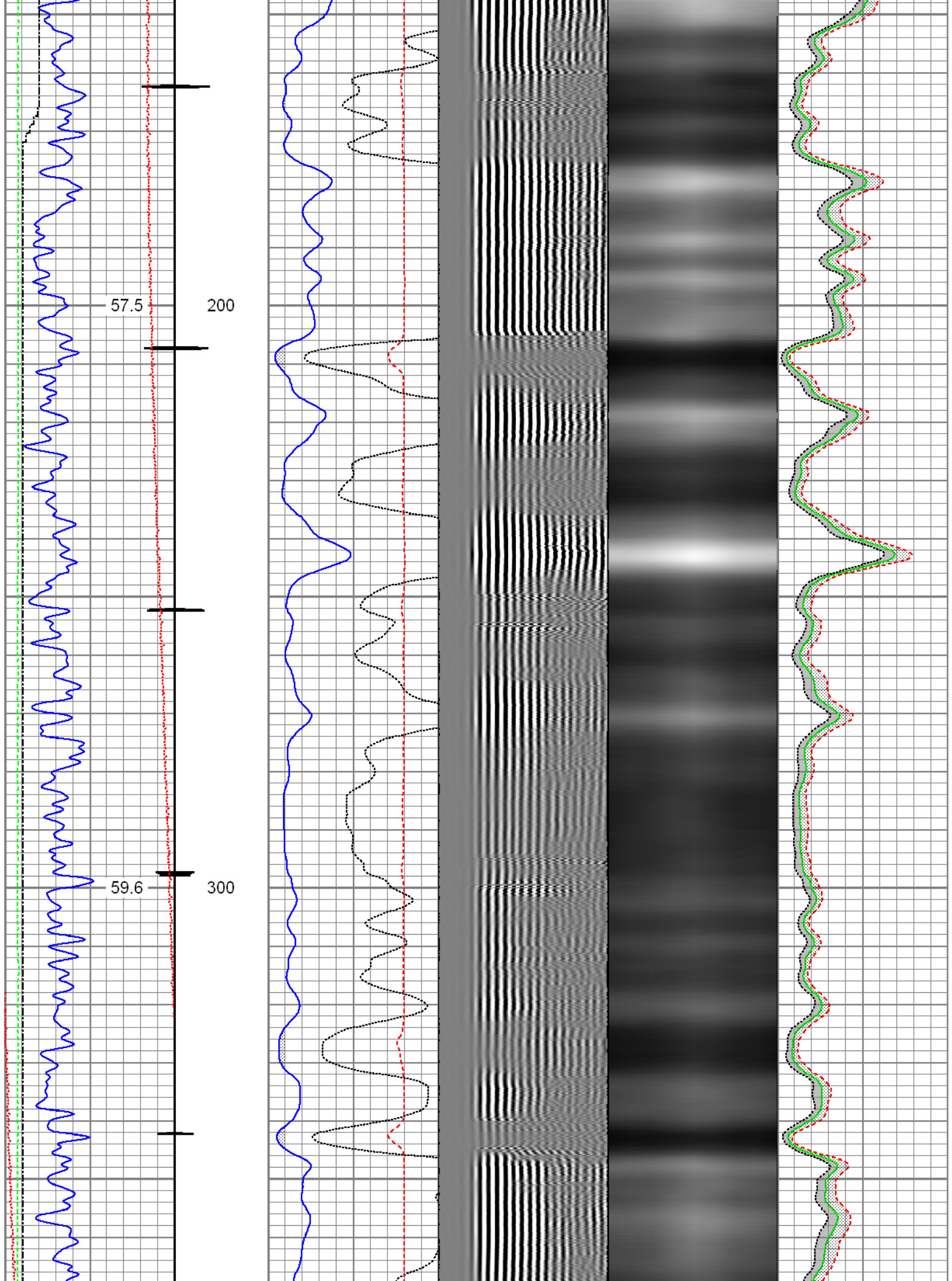
Presentation Format:radii

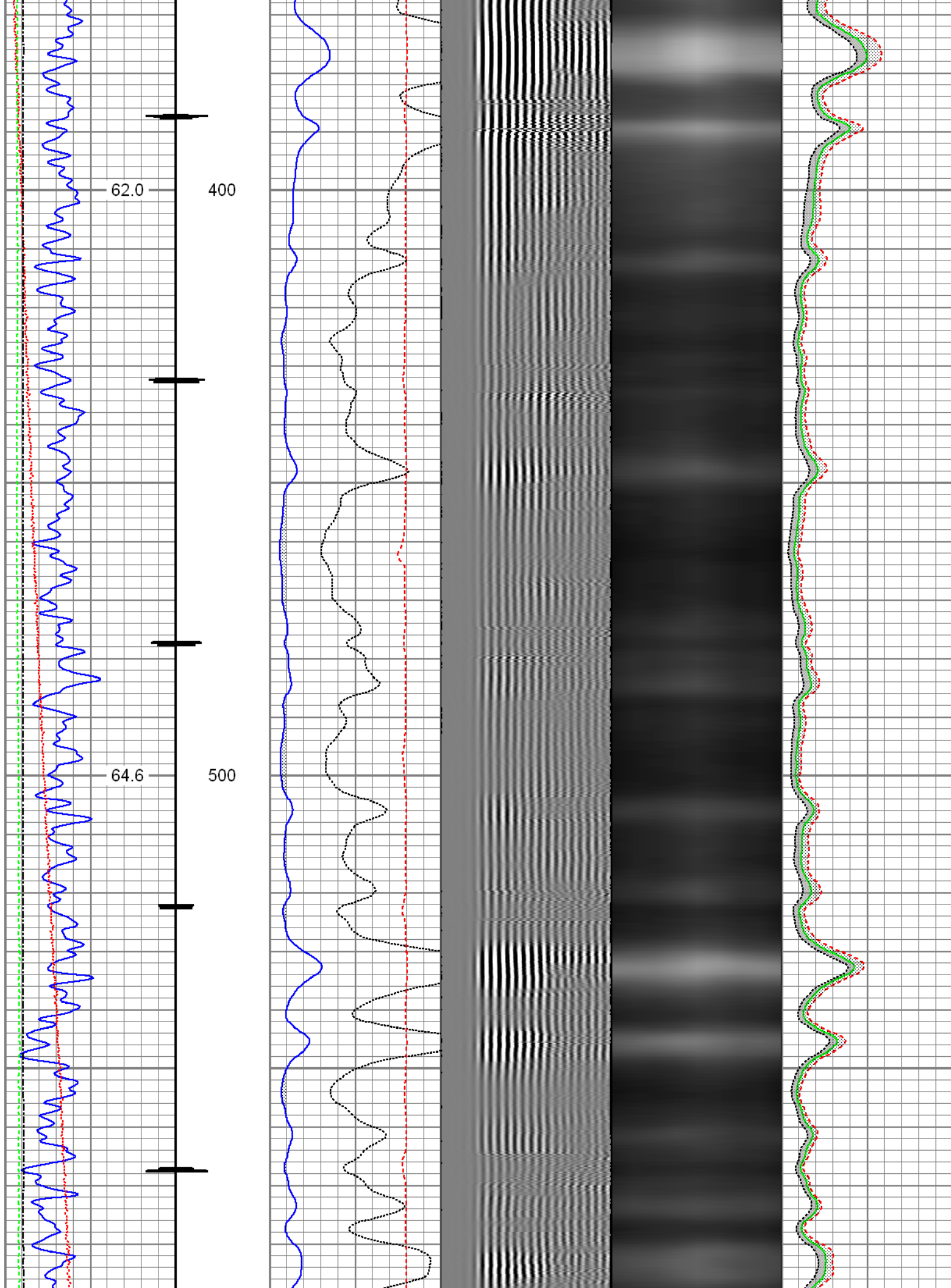
Dataset Creation:Mon Aug 03 14:09:27 2015 by Log 7.0 B1

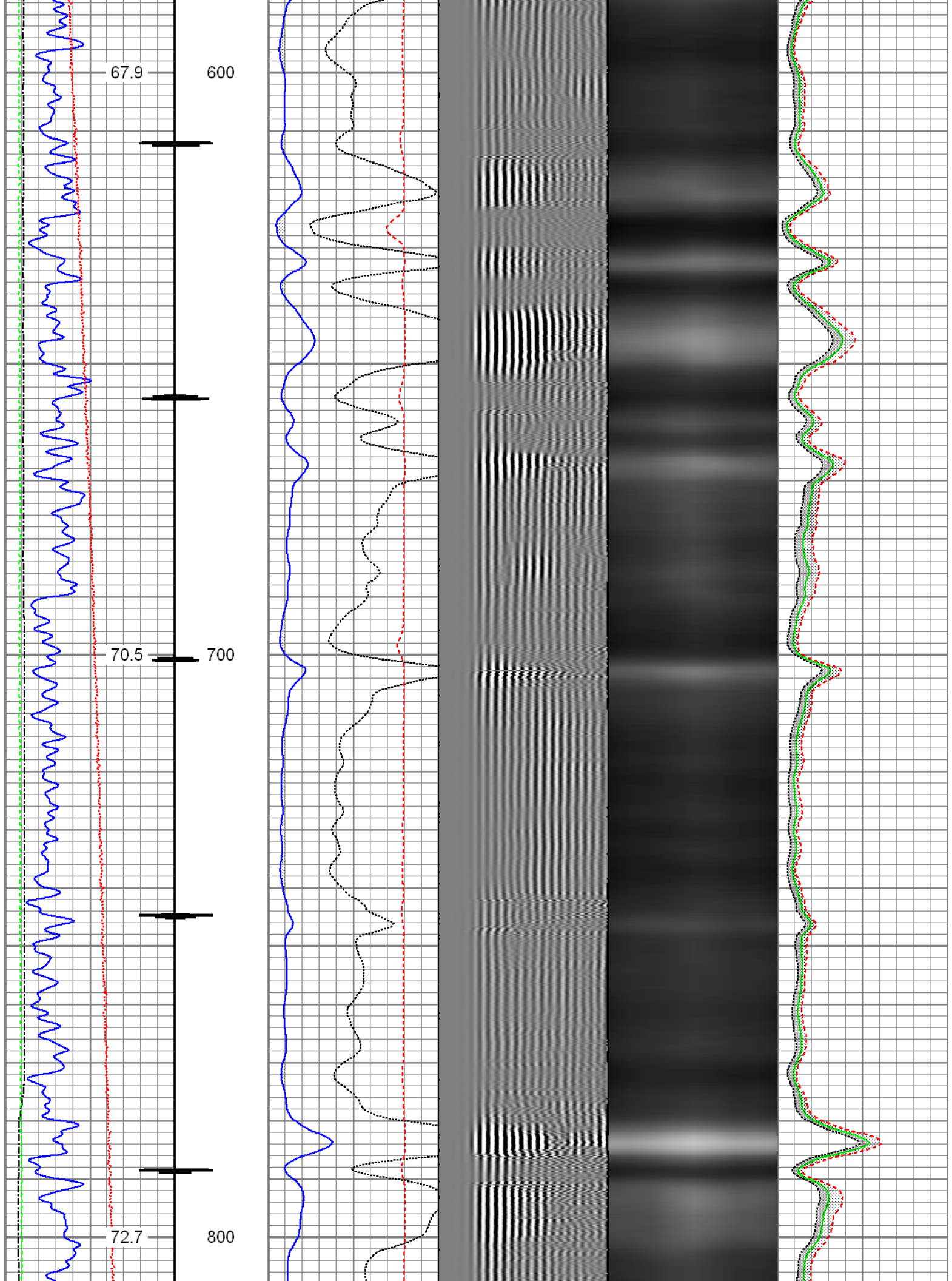
Charted by:Depth in Feet scaled 1:240

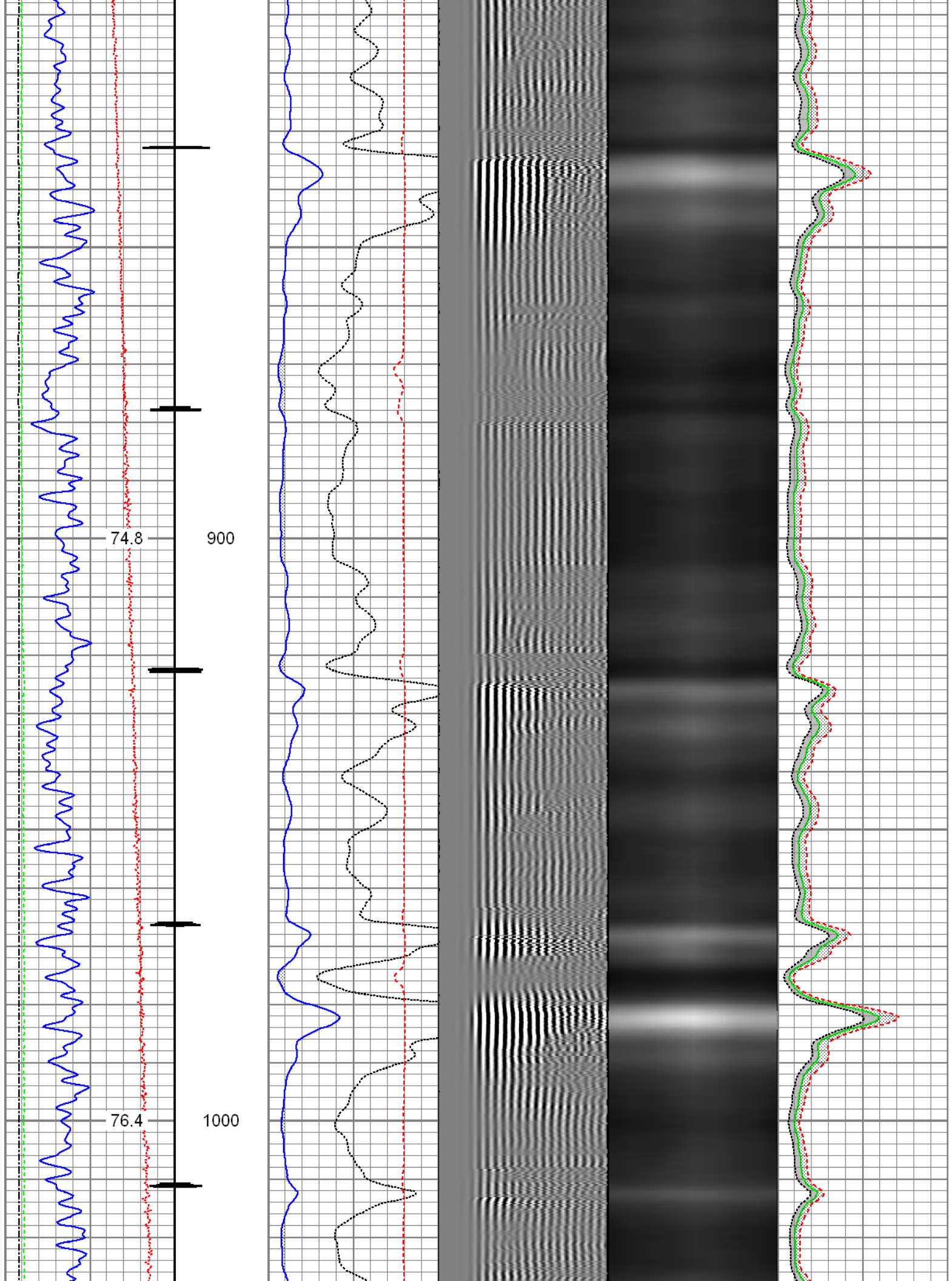
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Temperature	0 (mV) 20			0 100
0 (degF) 20	3' Travel Time			Maximum Amplitude
Line Speed	650 (usec) 150			0 100
-150 (ft/min) 150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

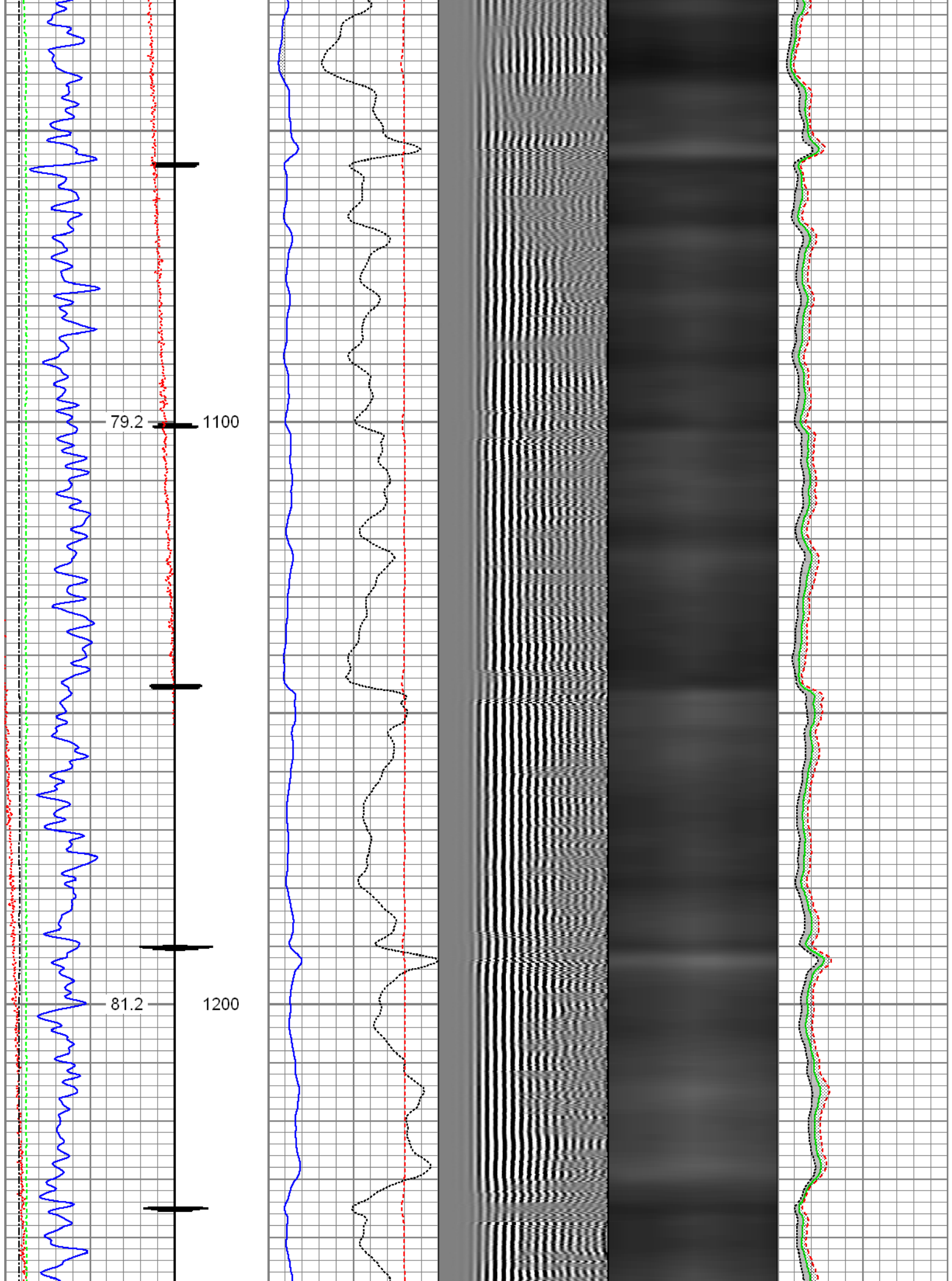


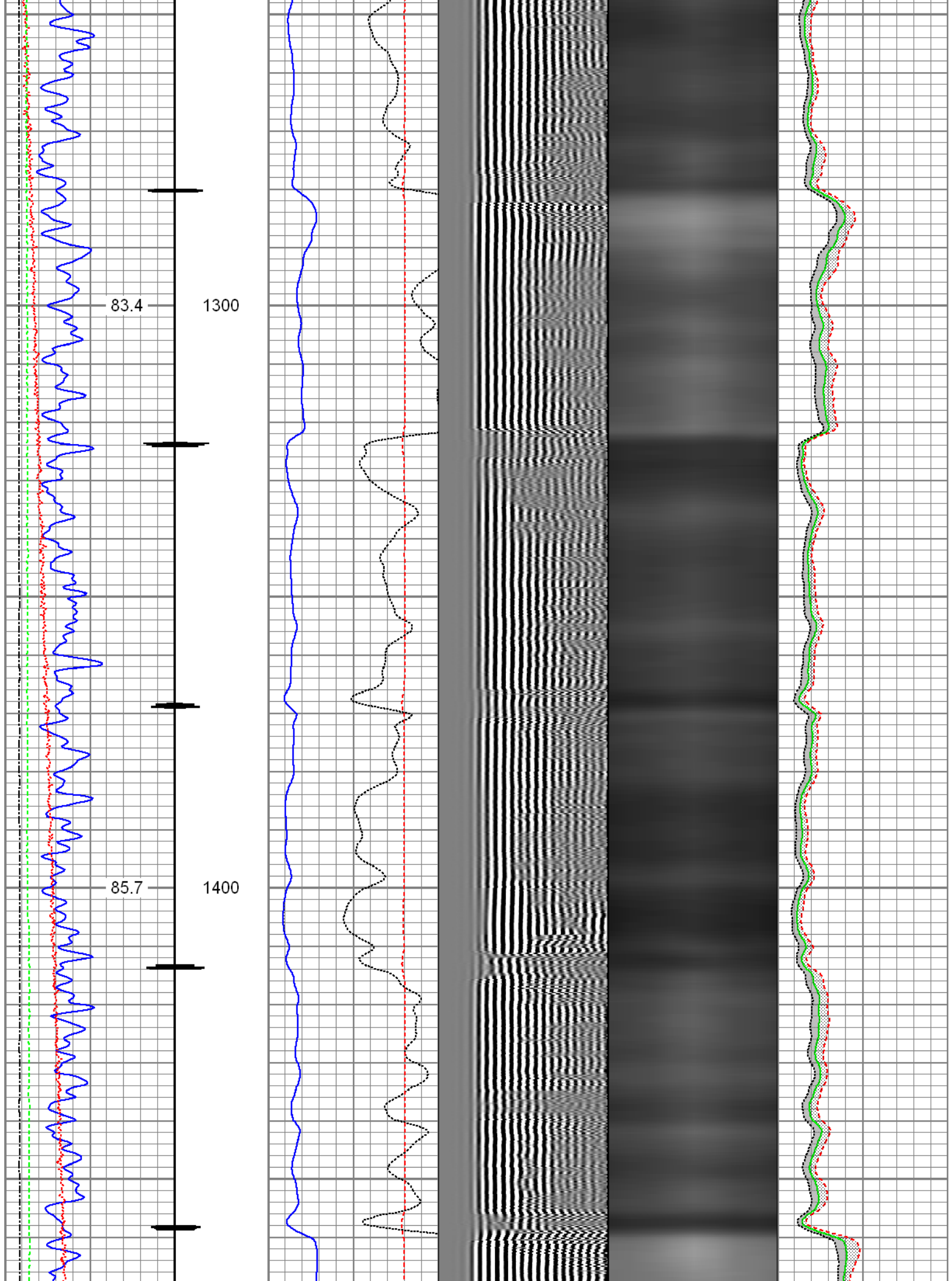


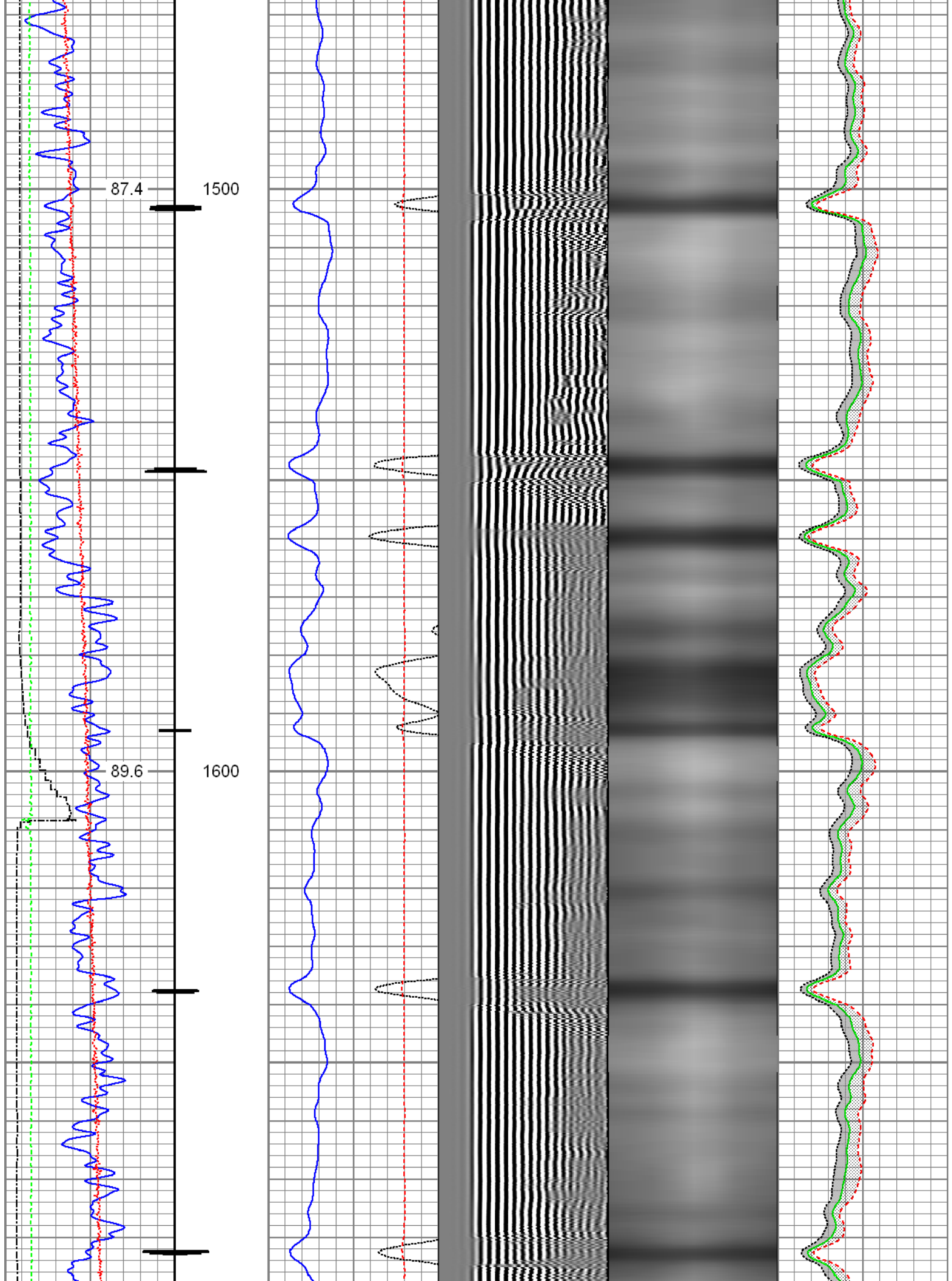


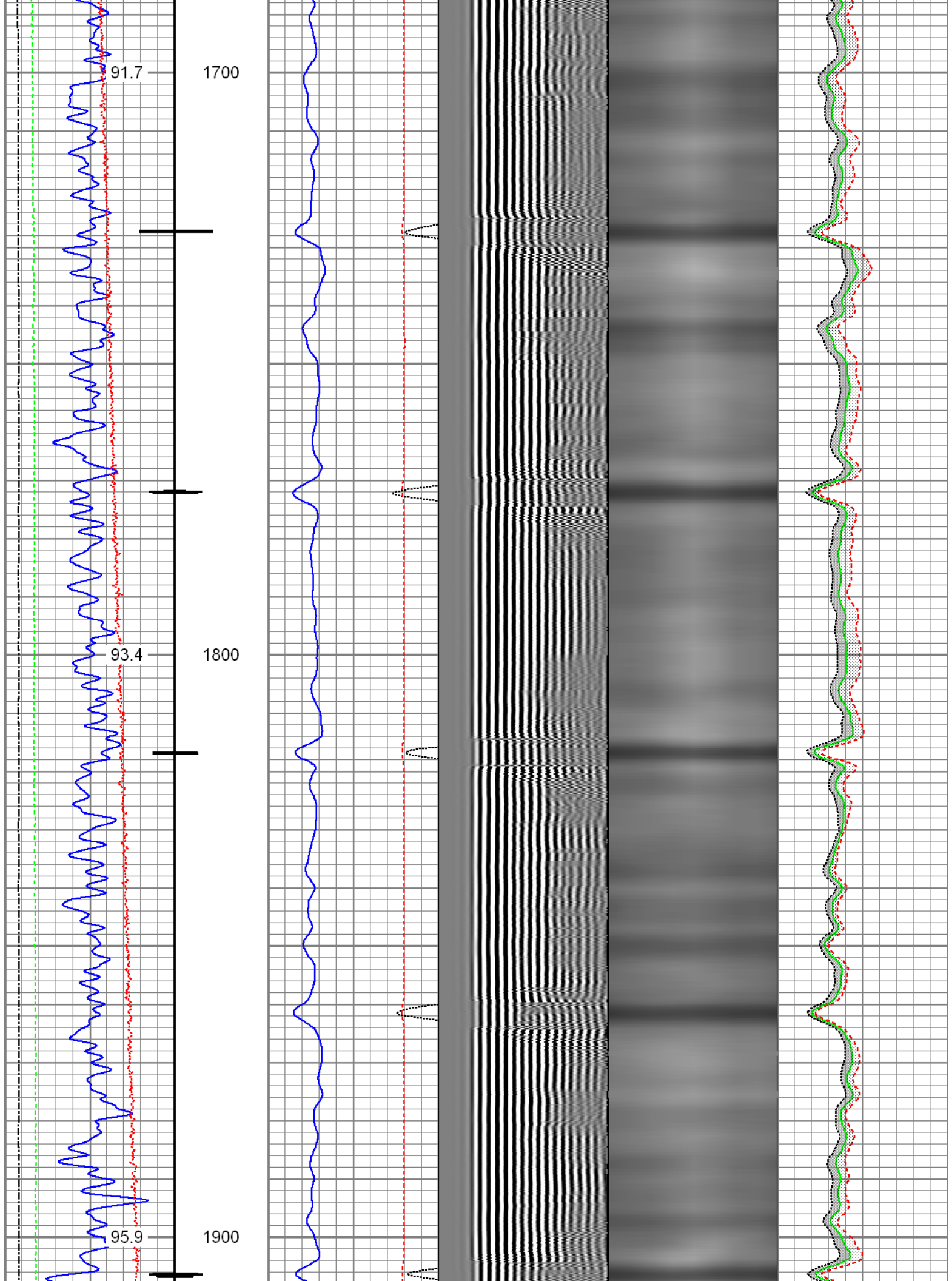


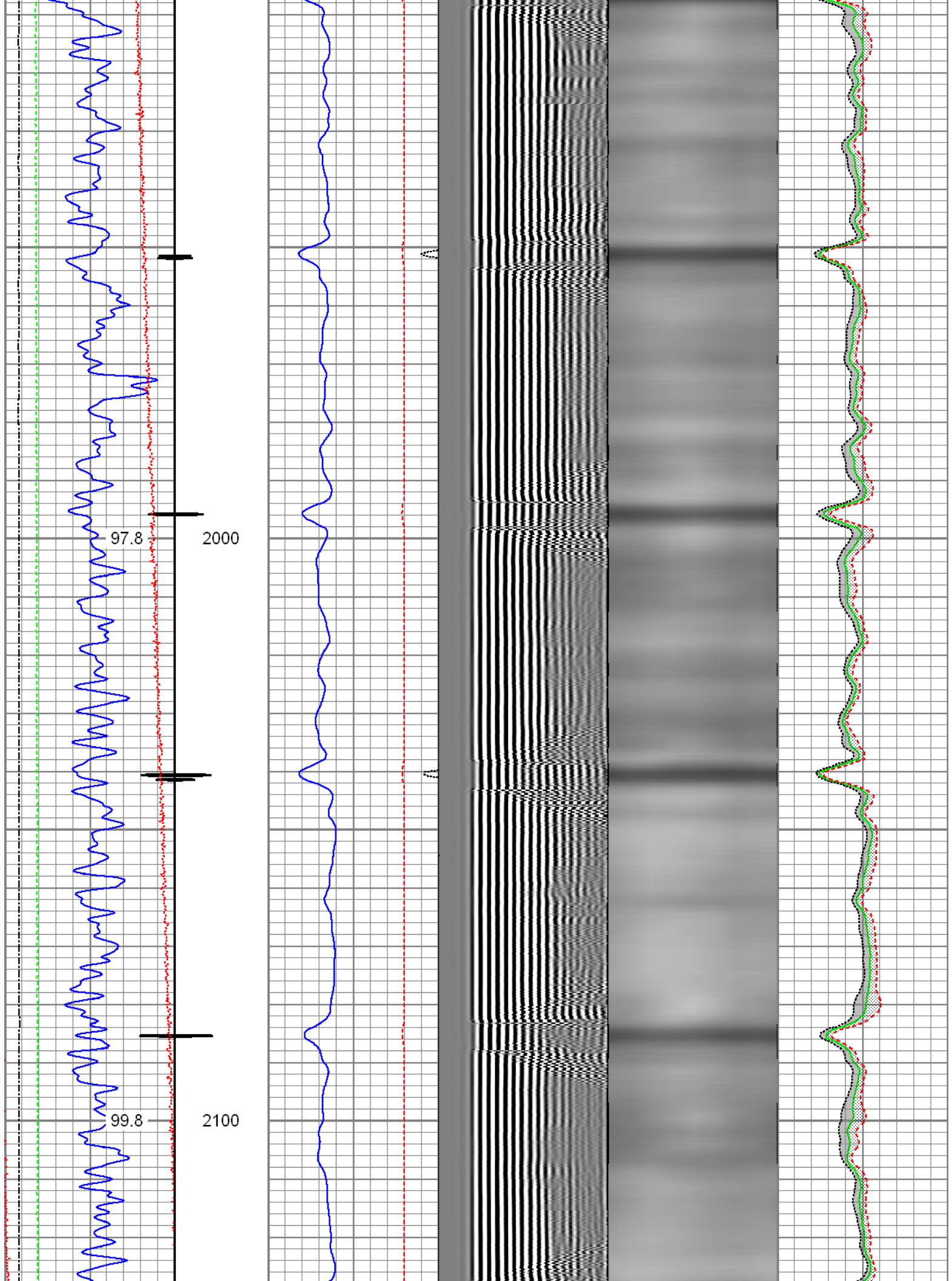


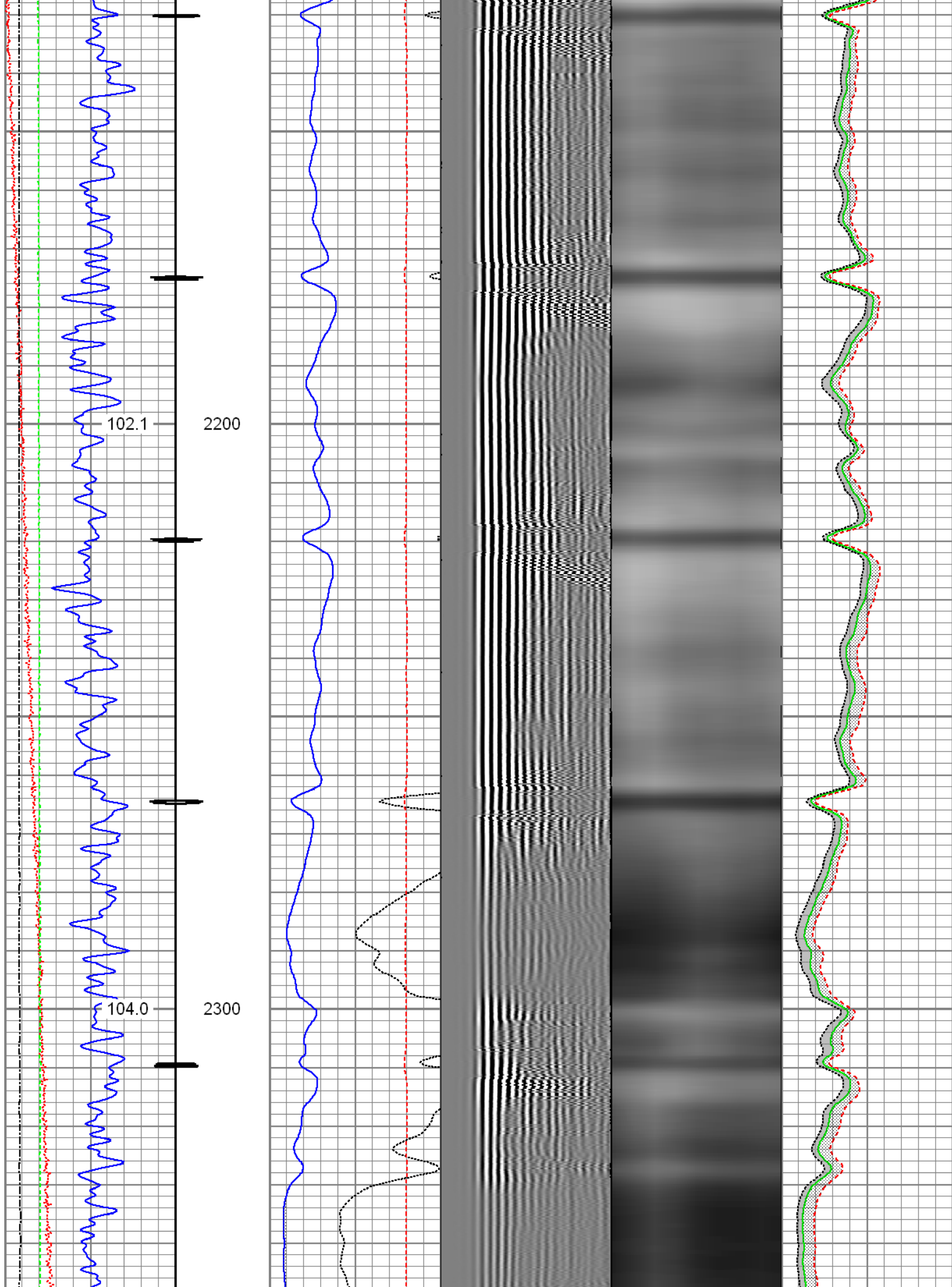


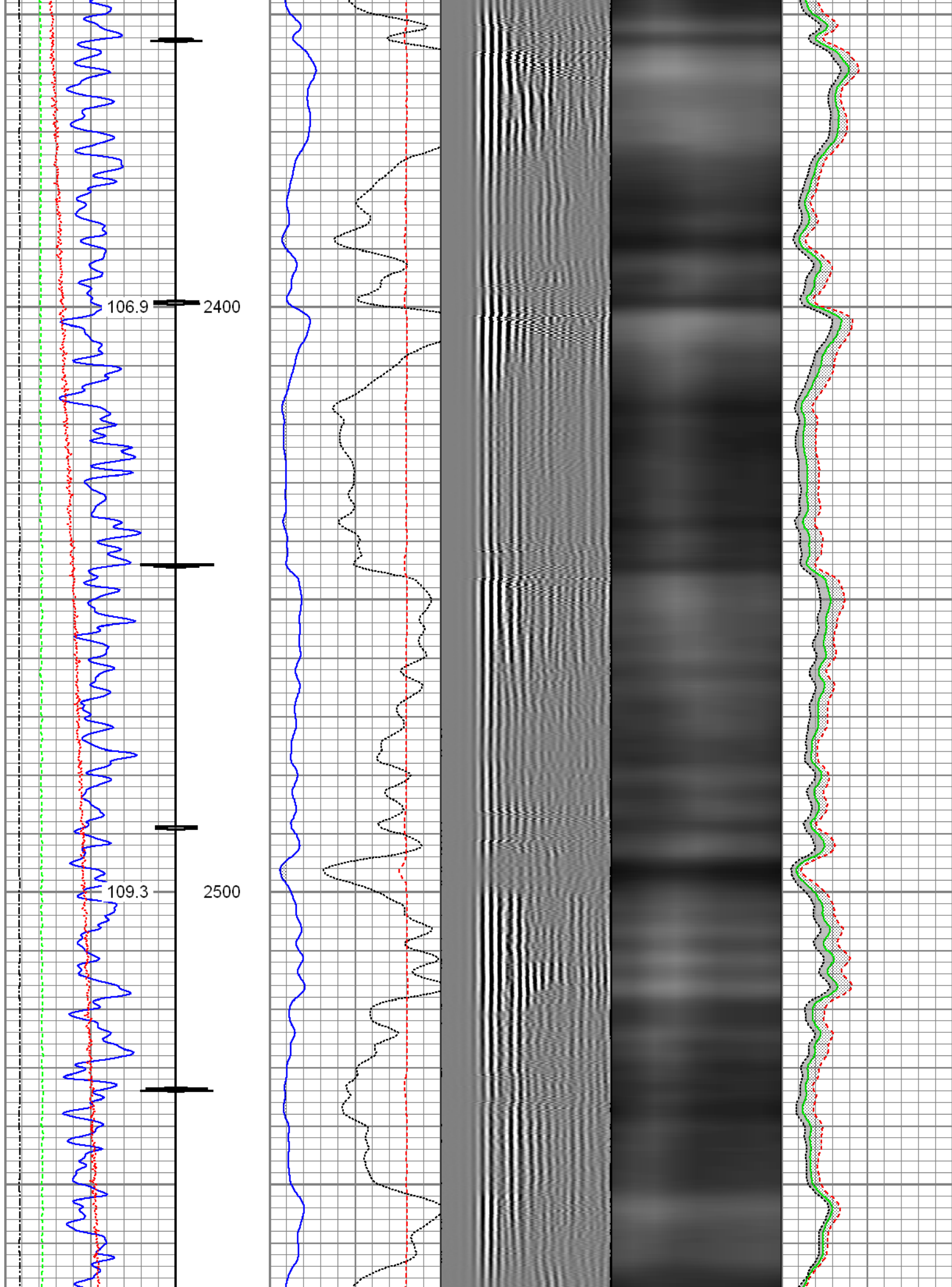


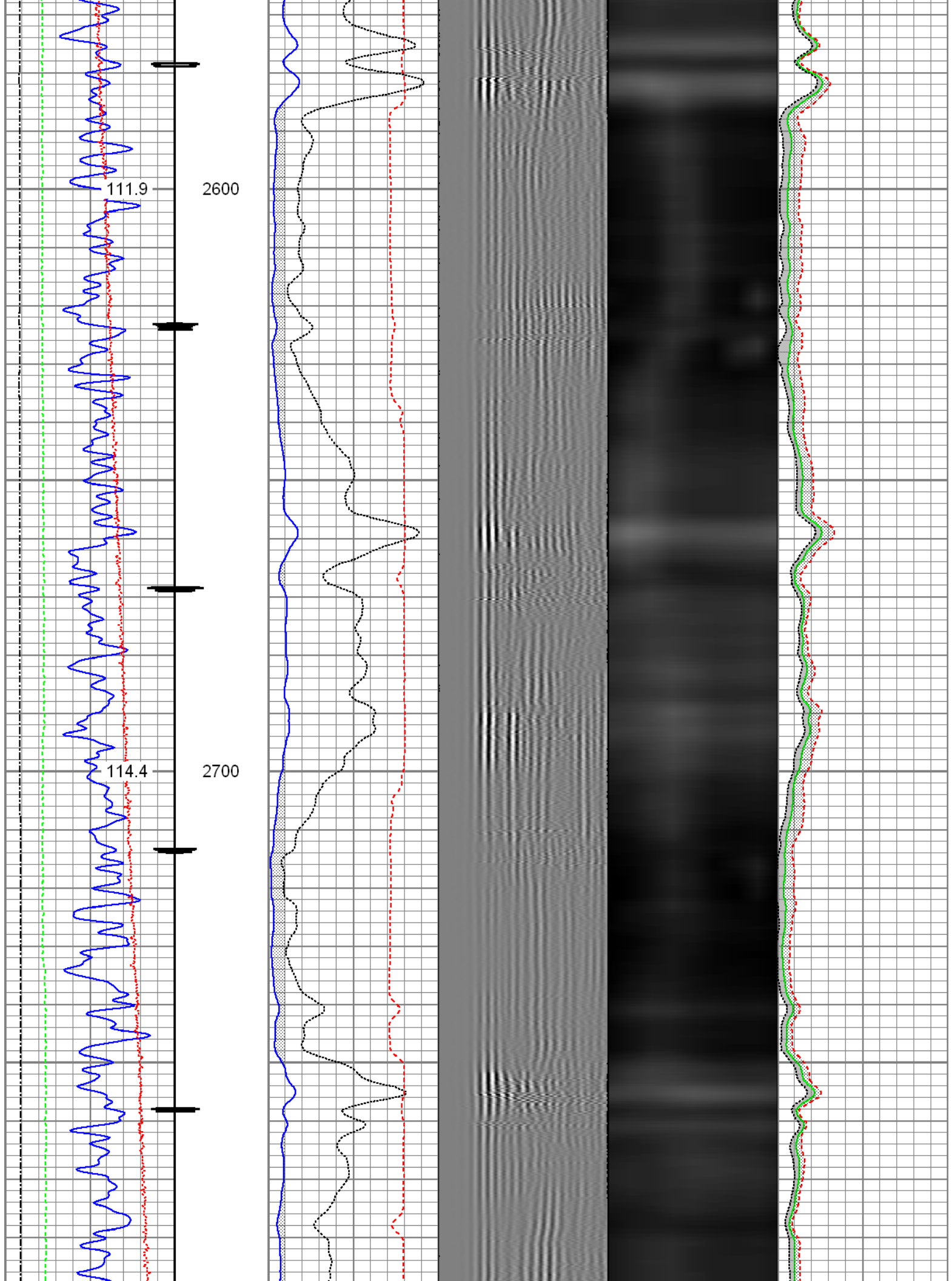


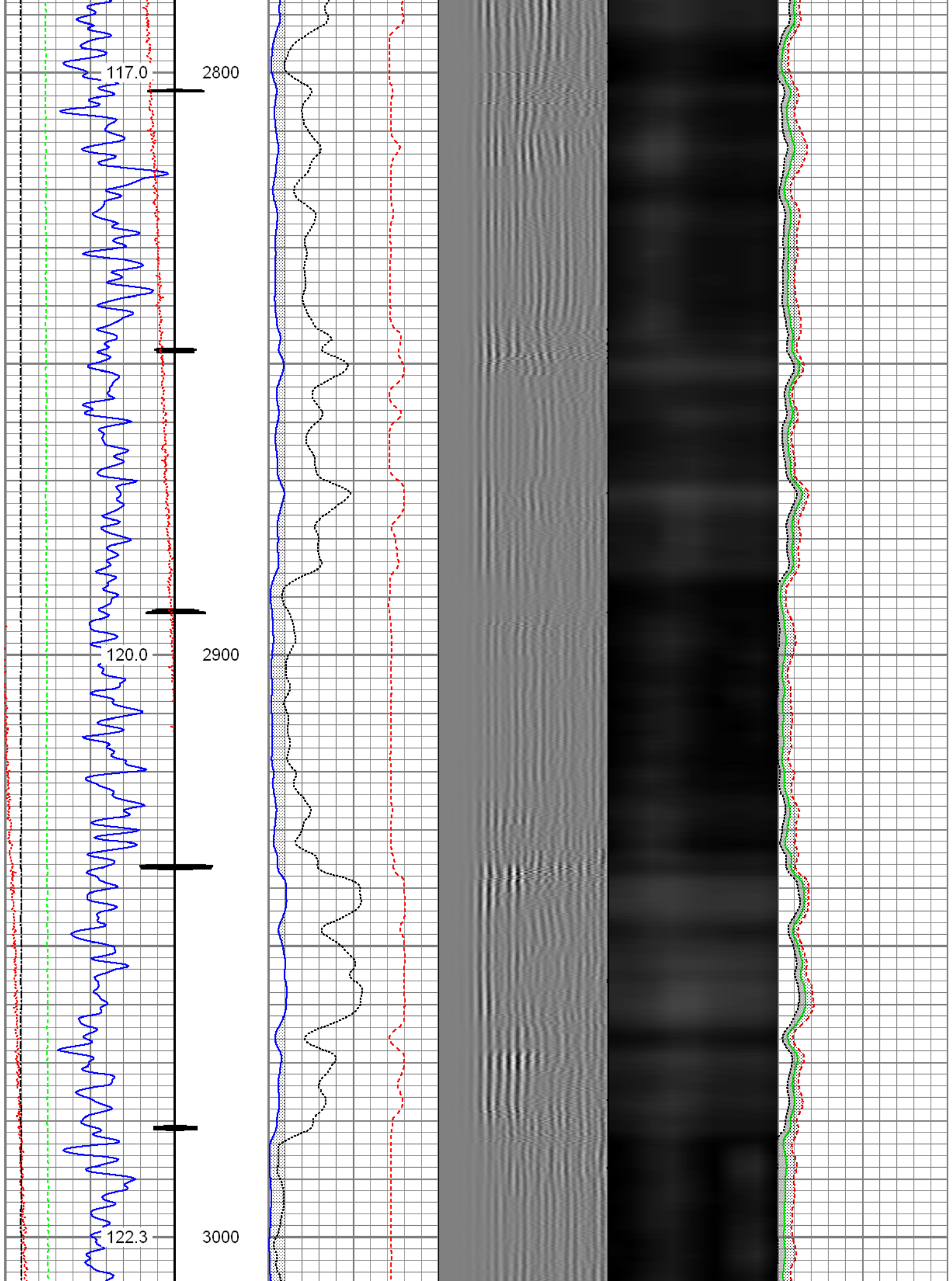


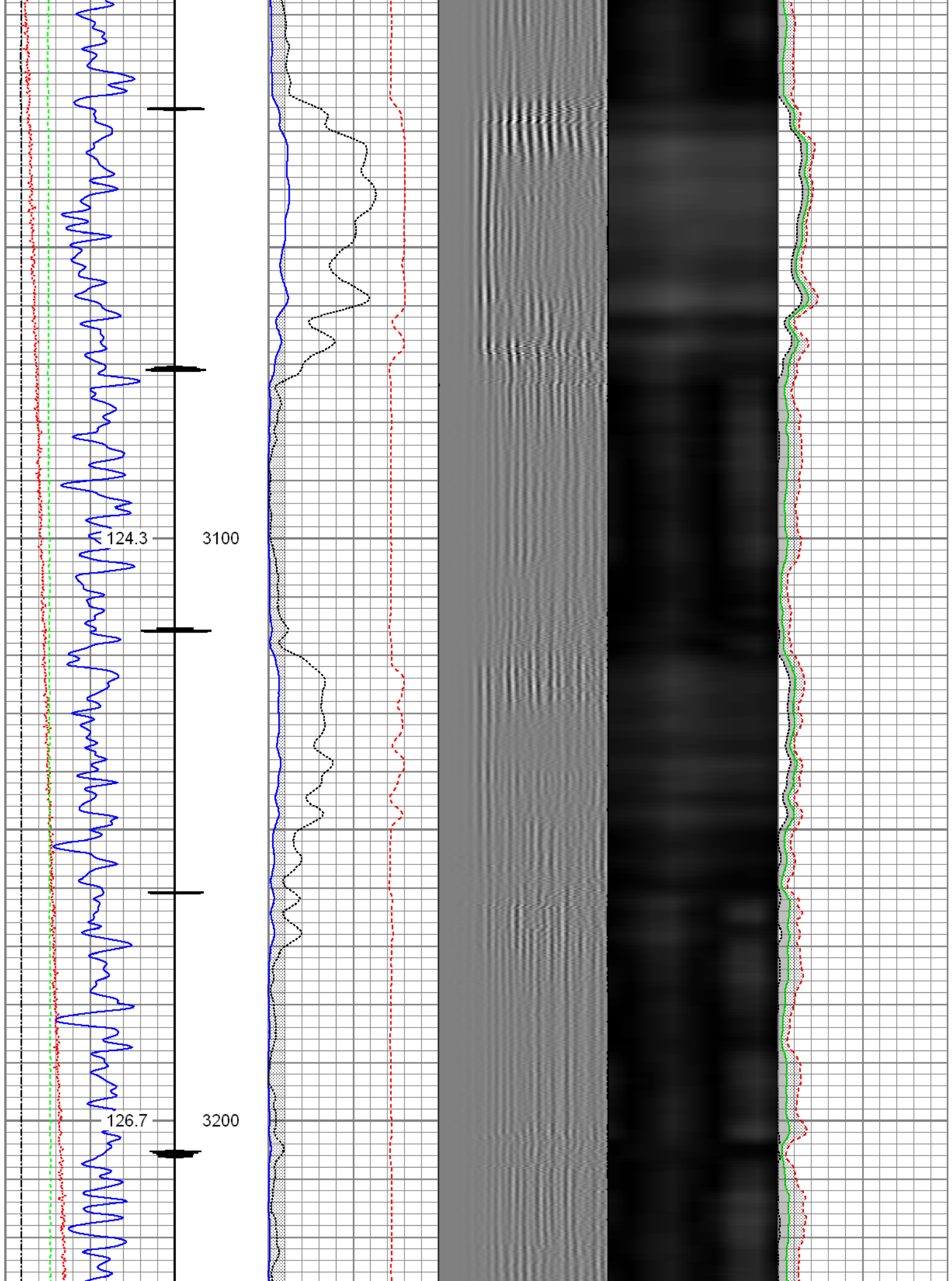


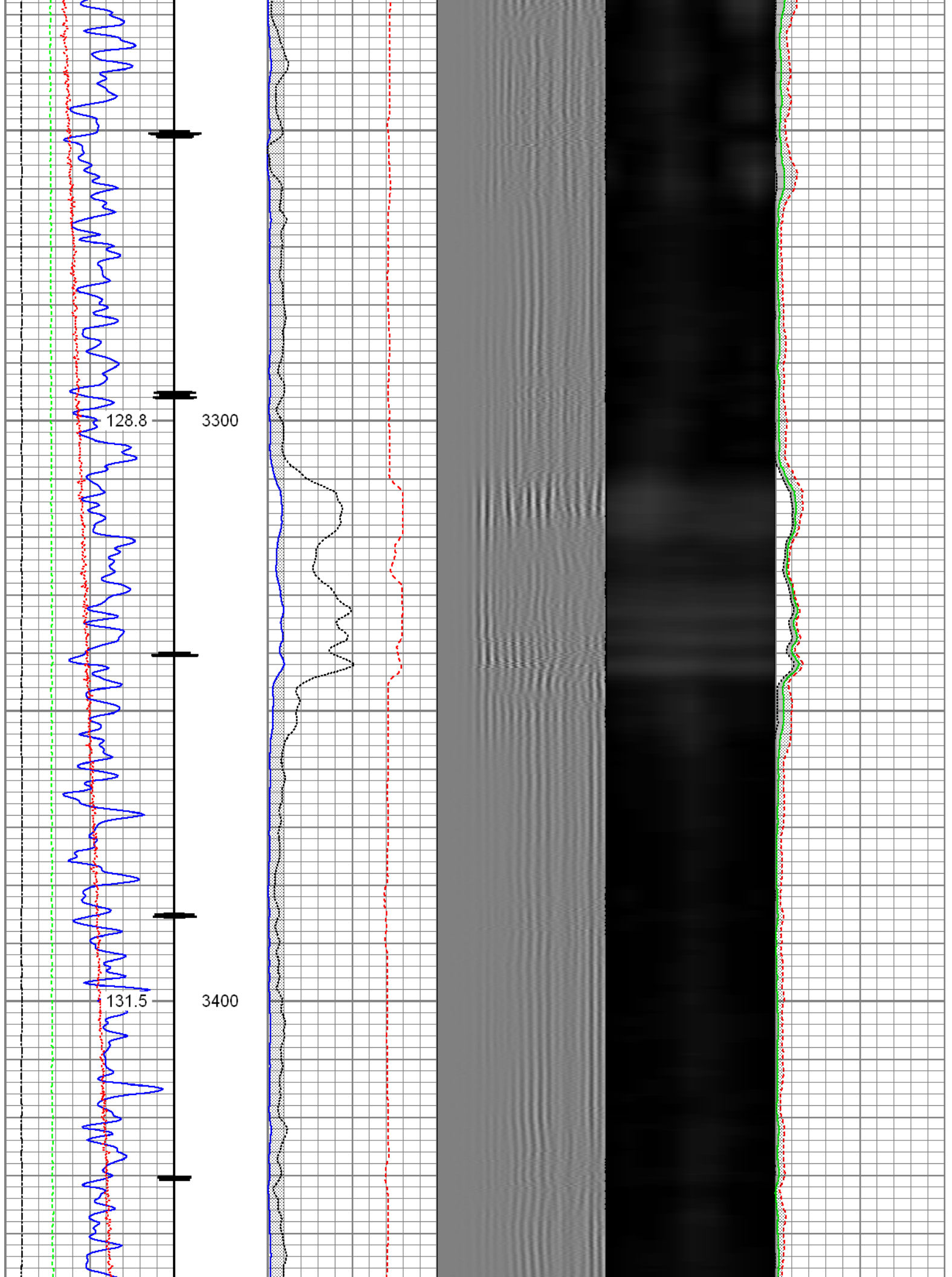


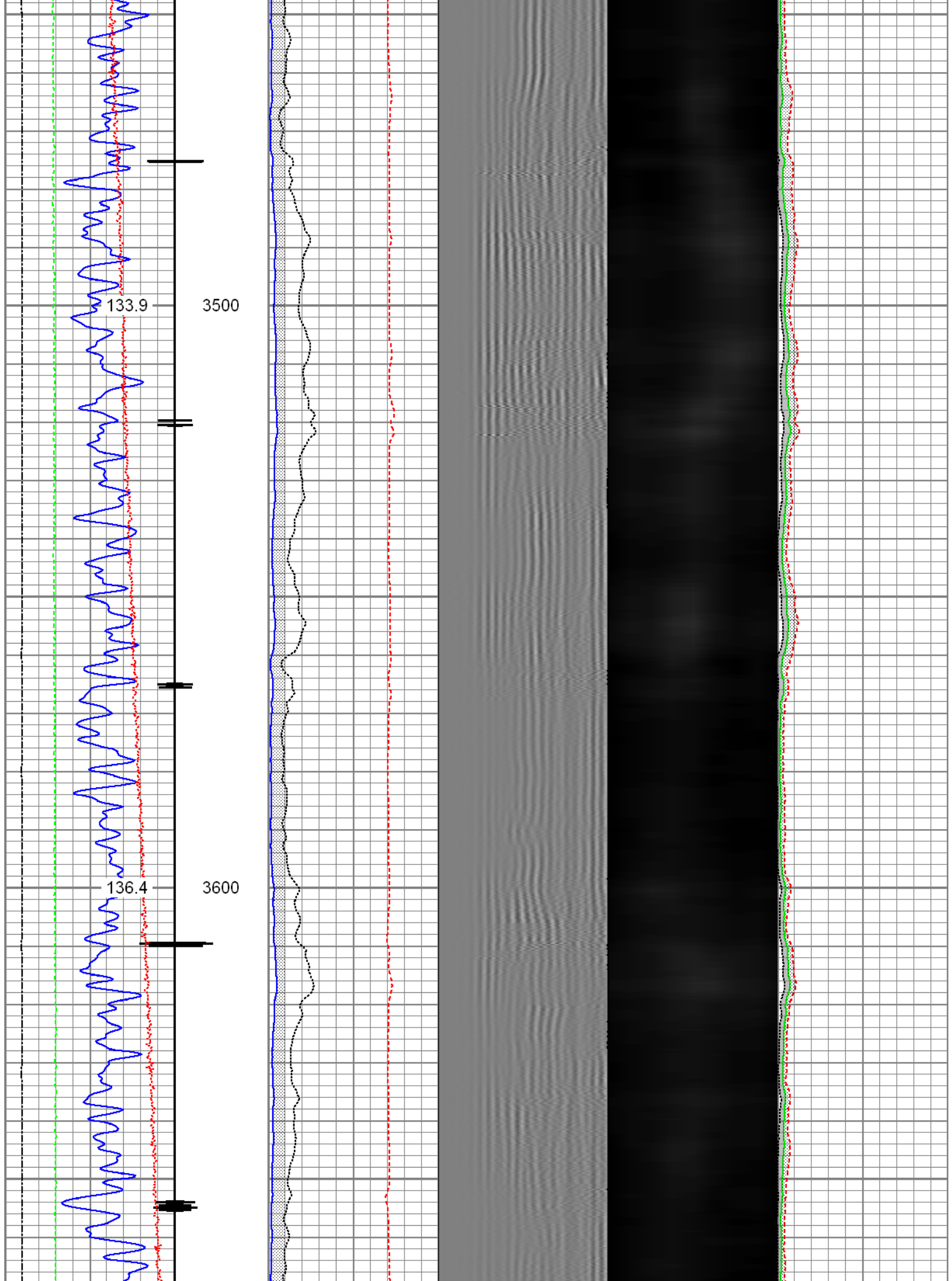


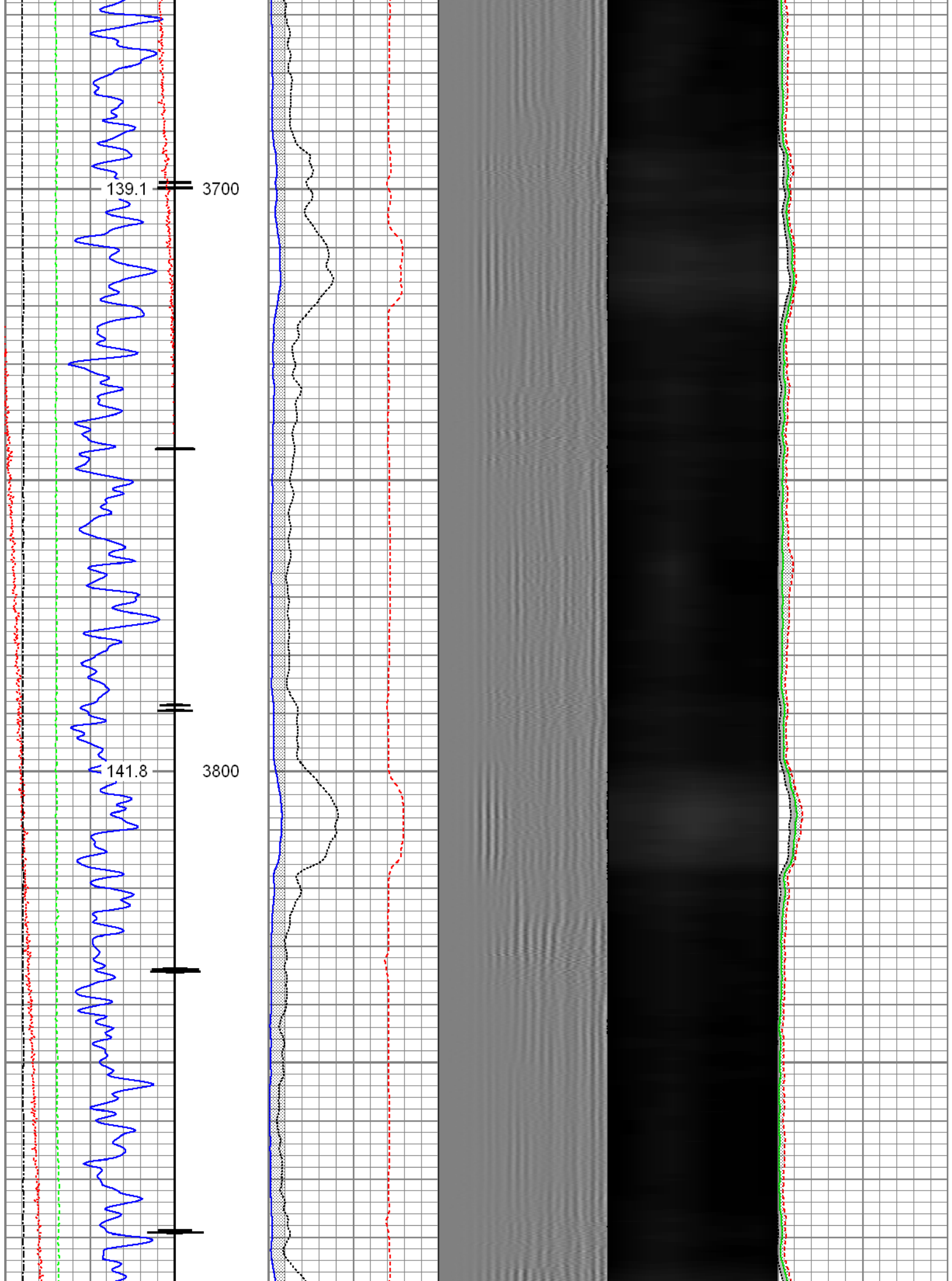


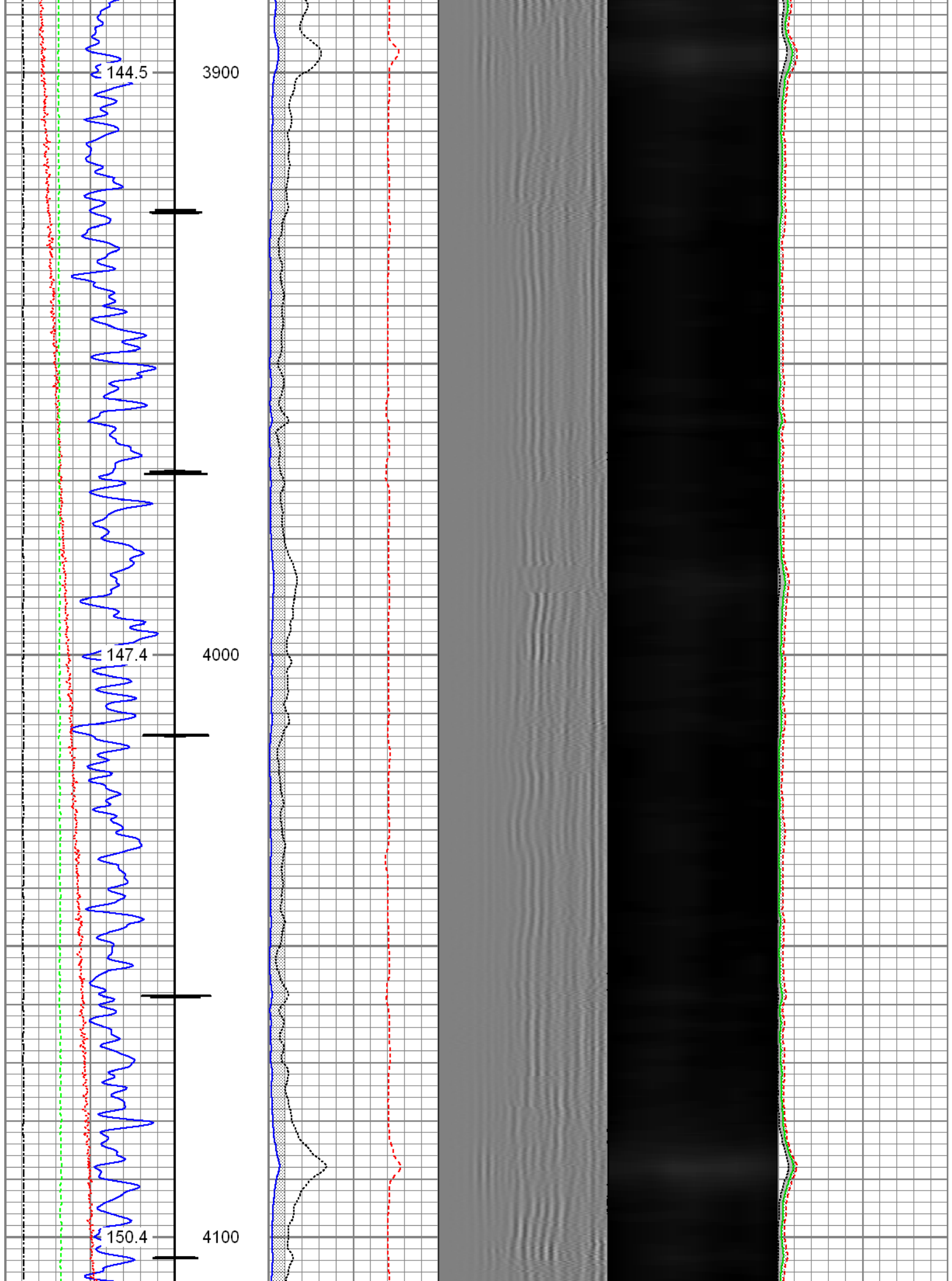


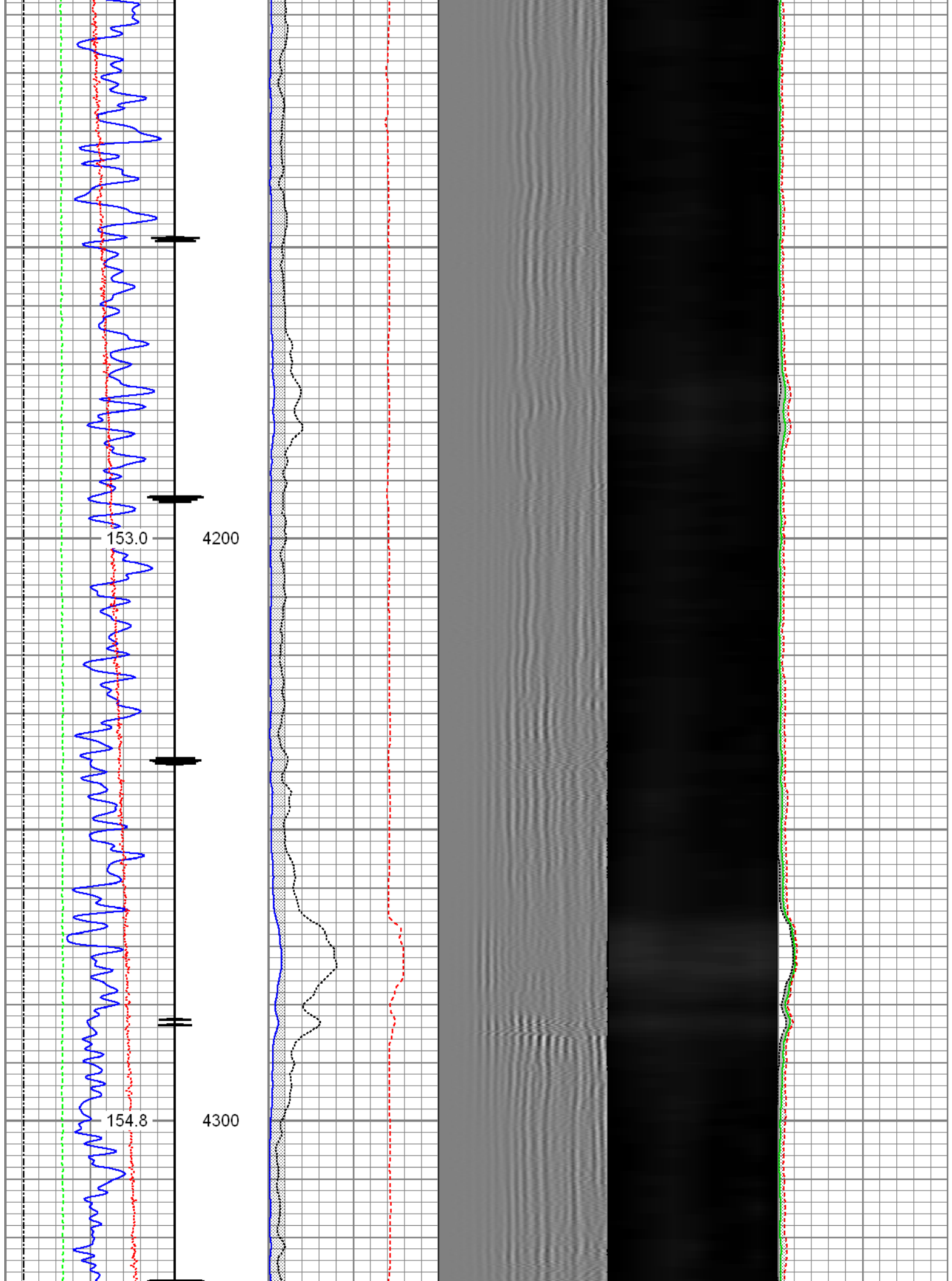


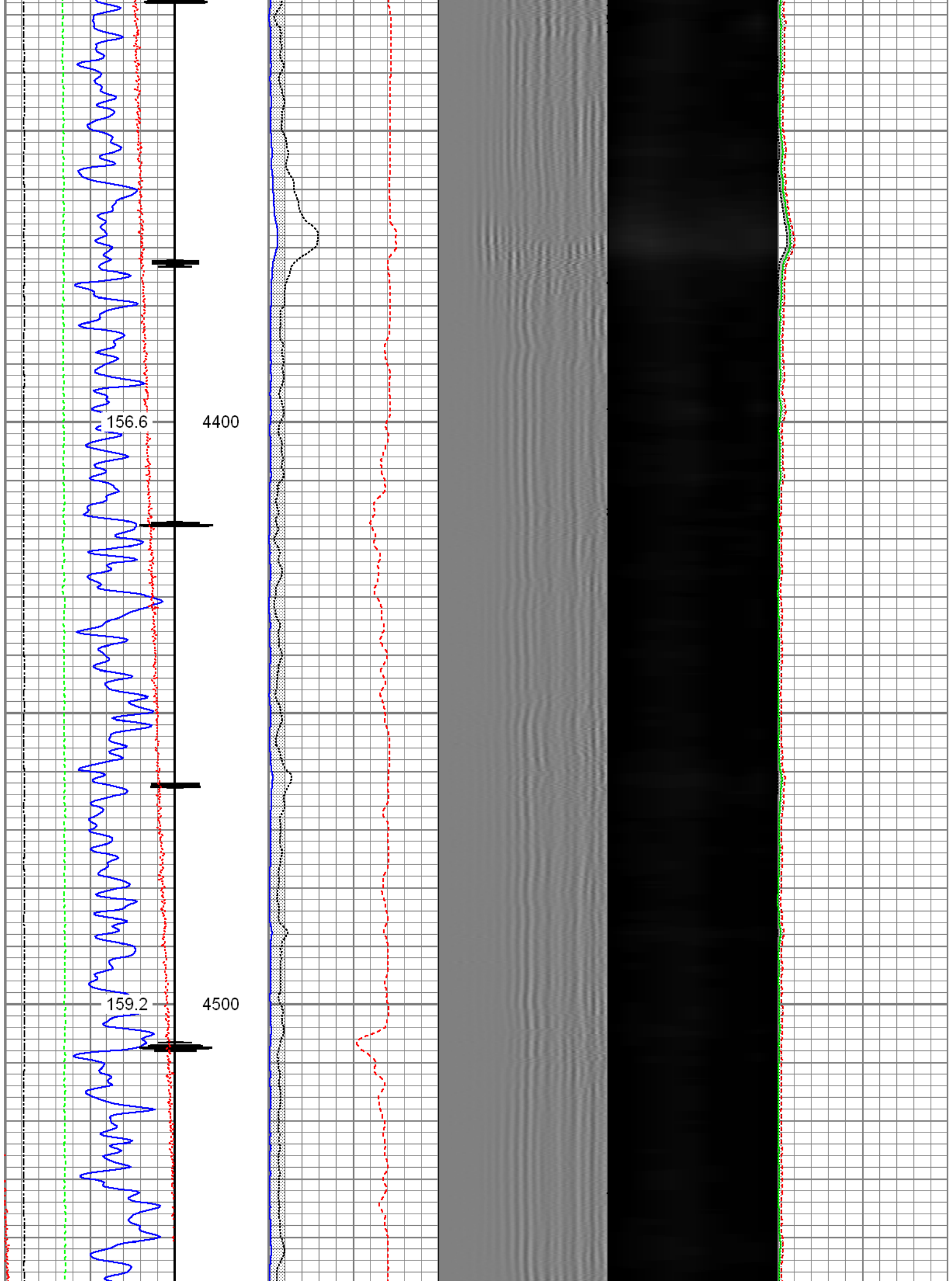


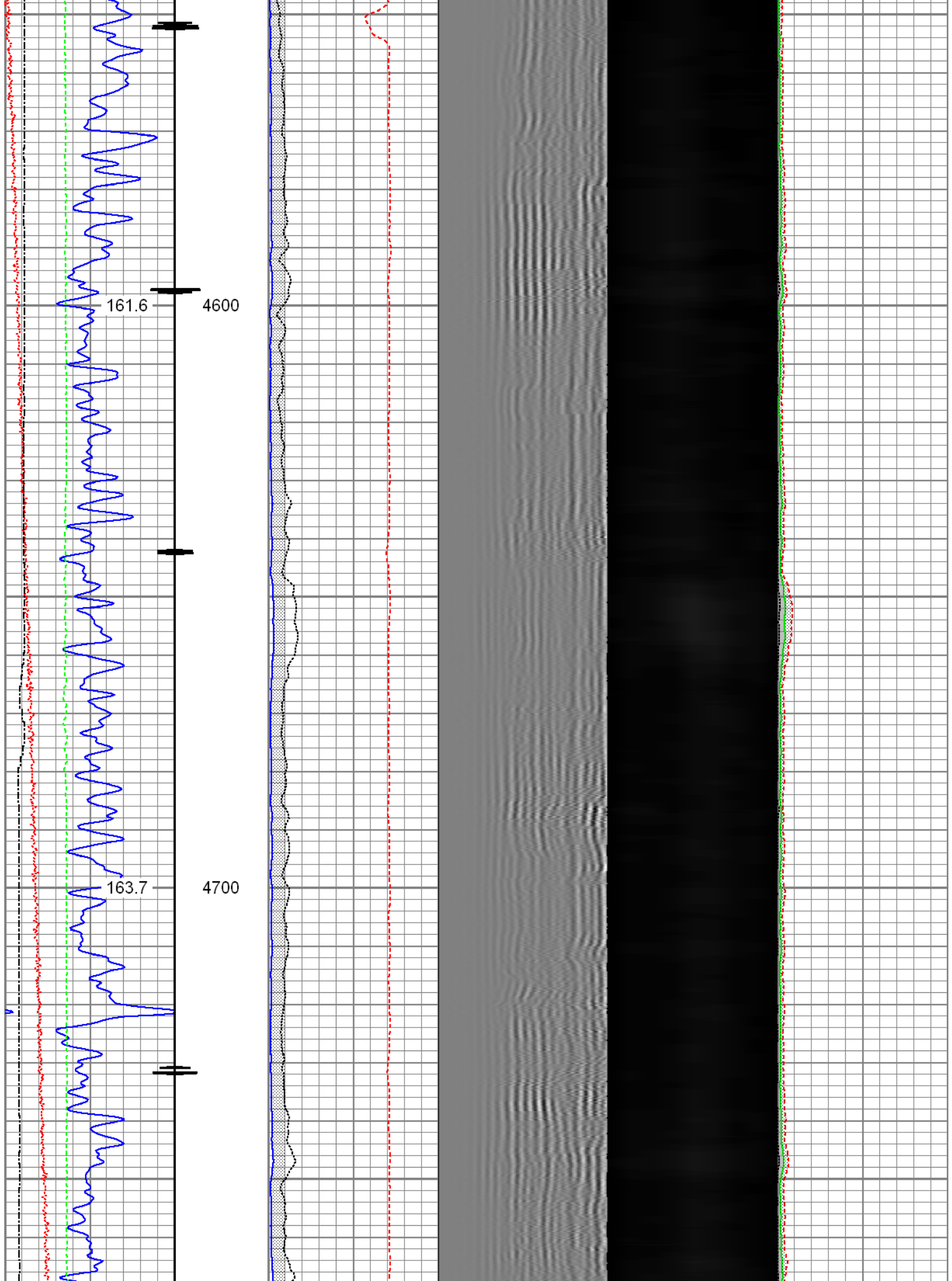


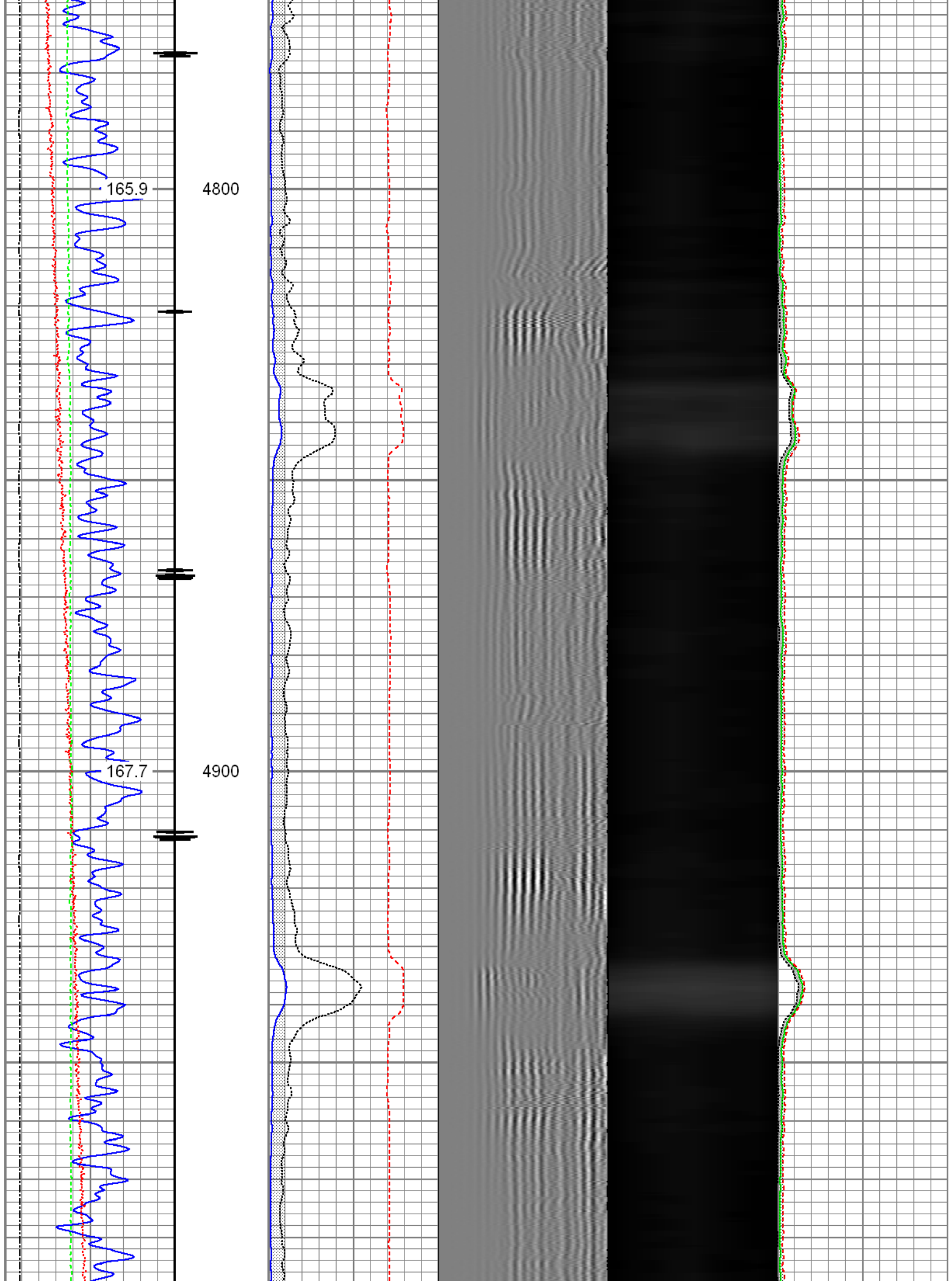


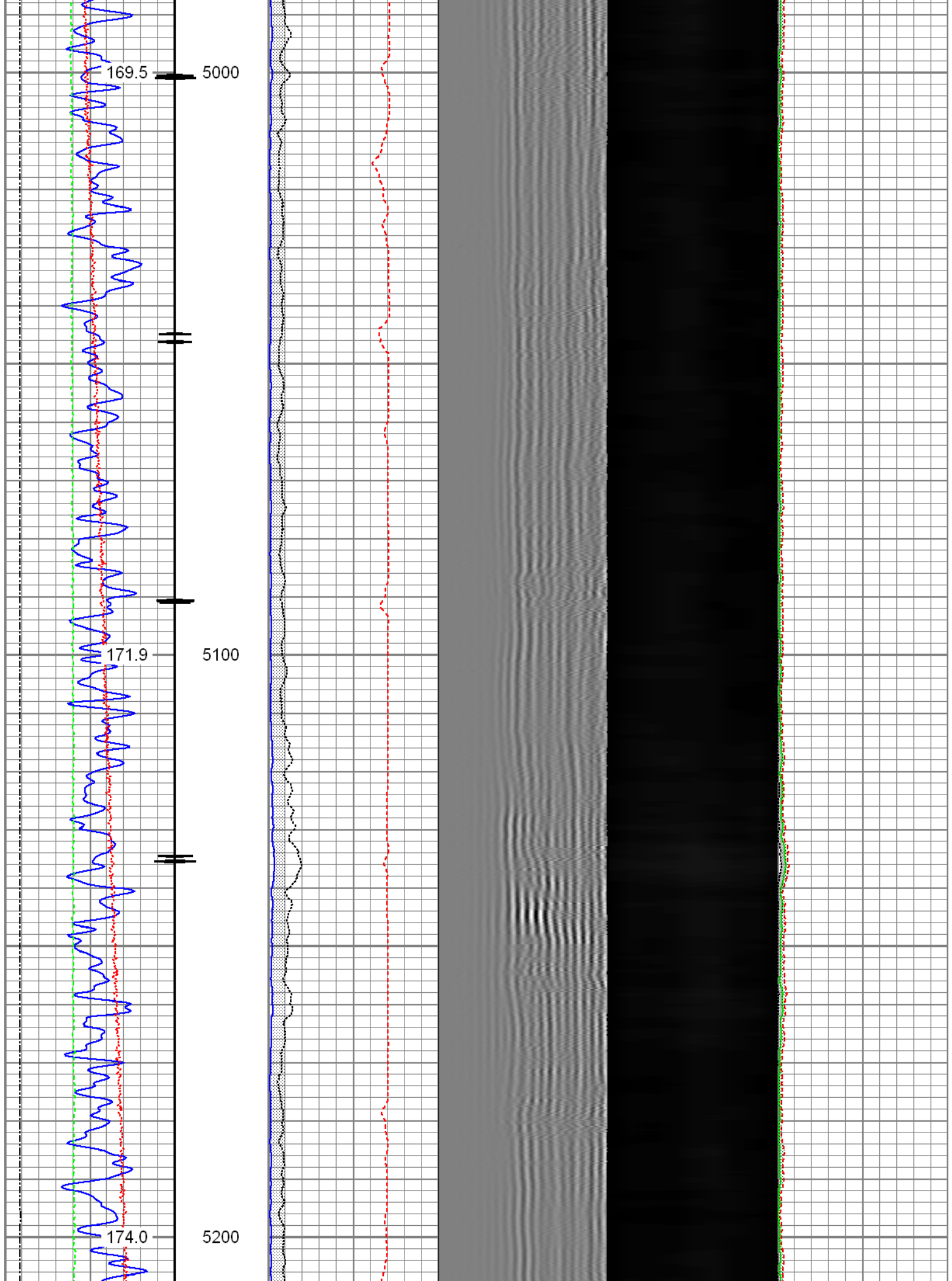


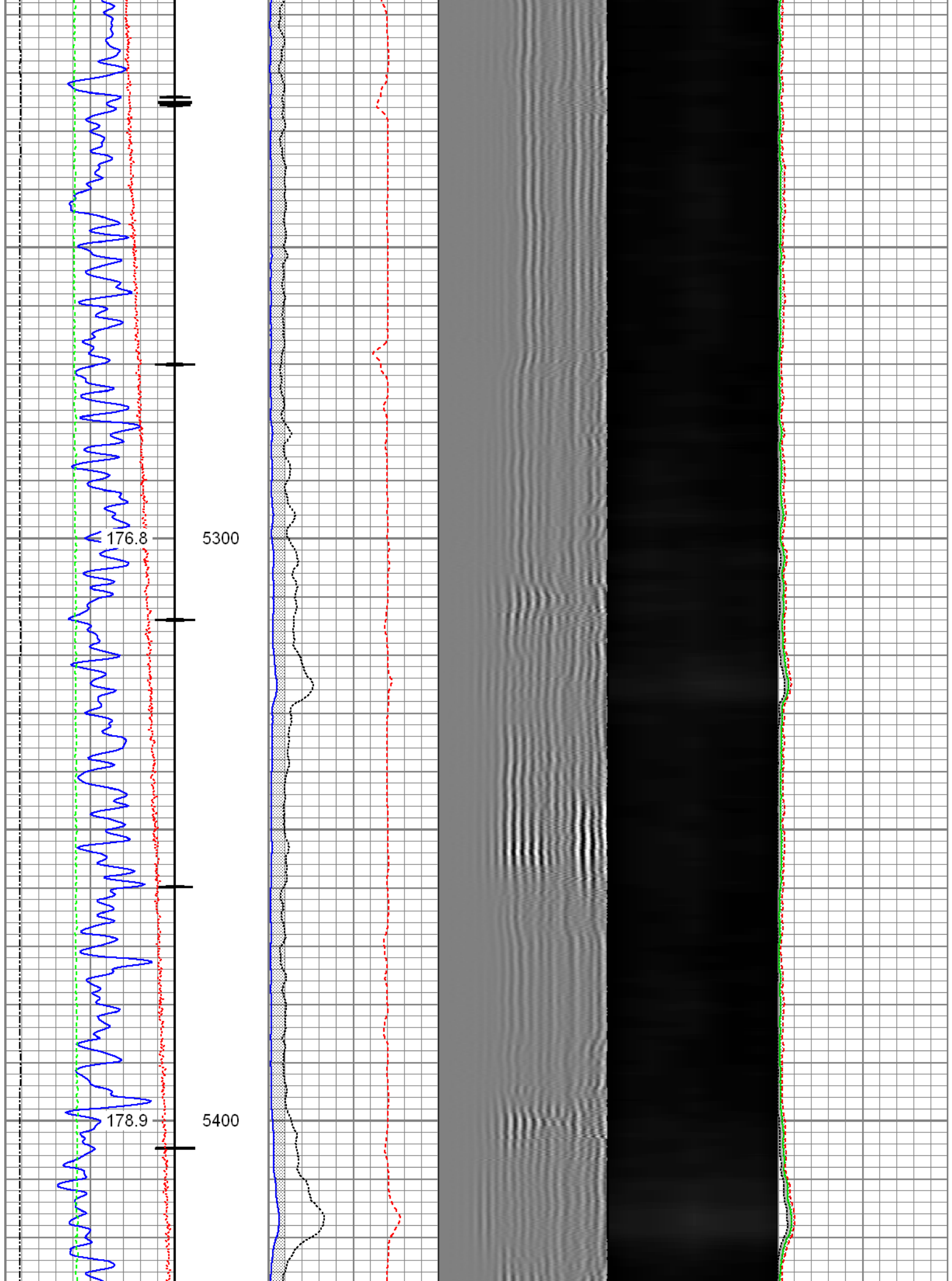


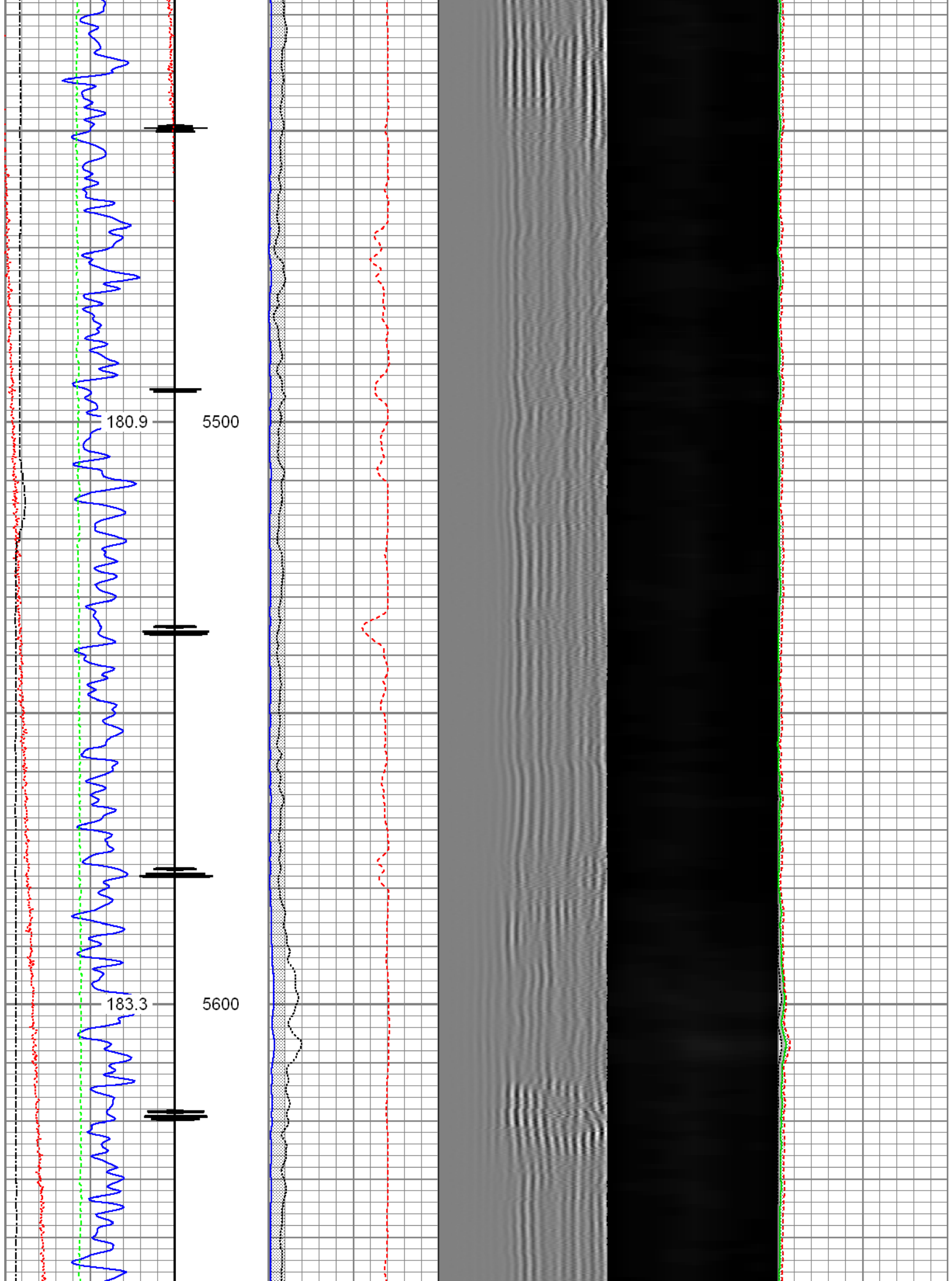


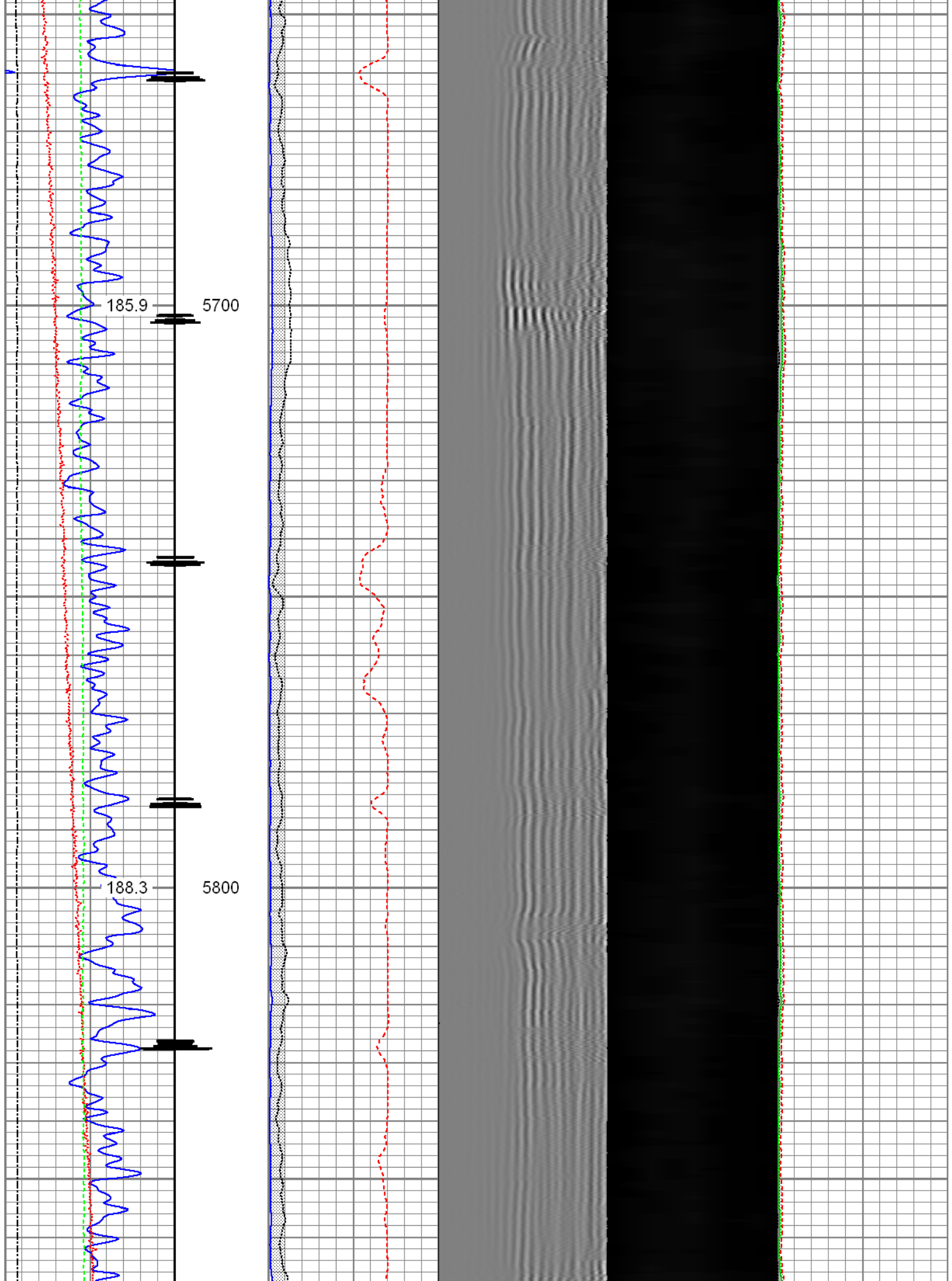


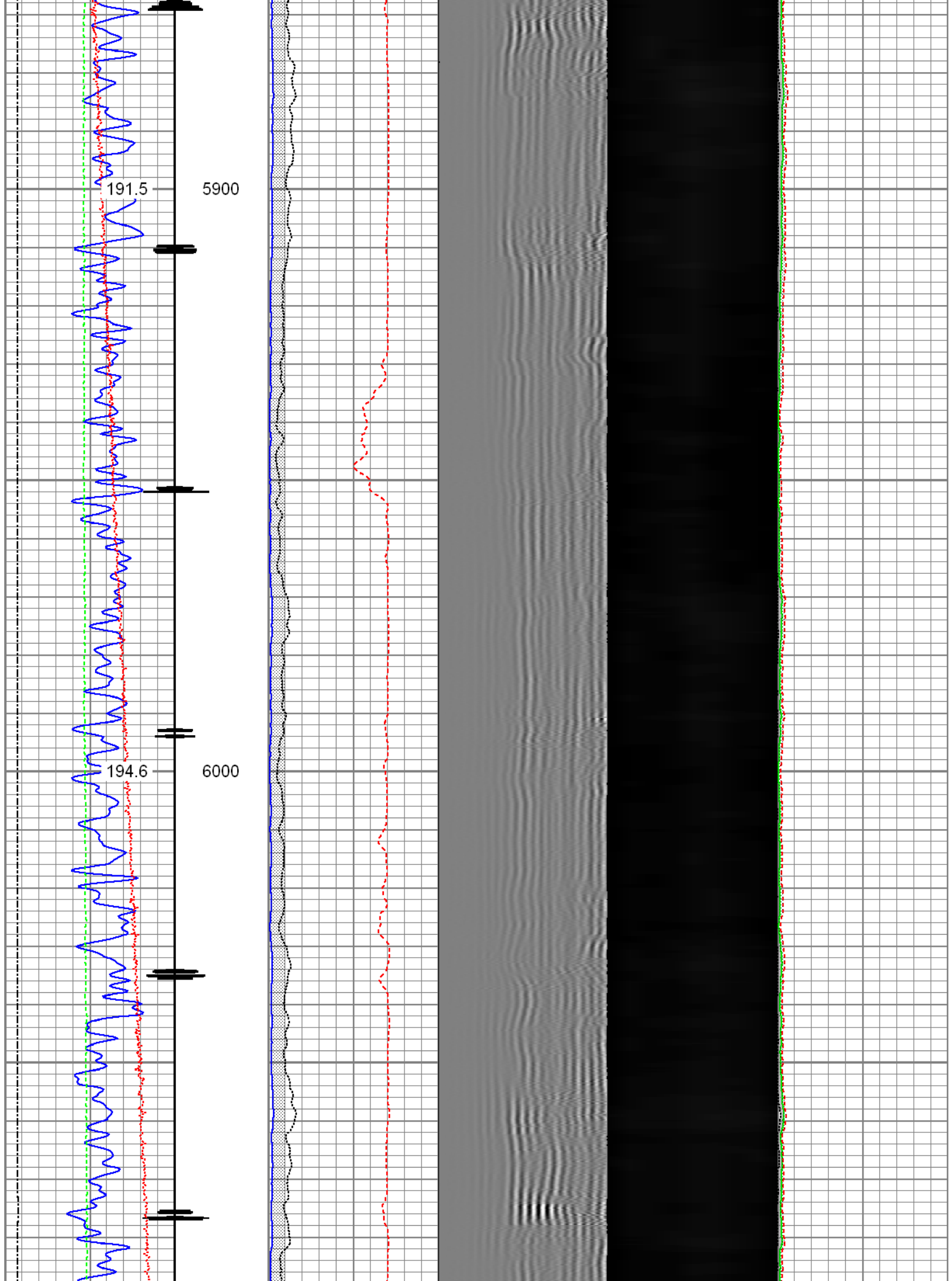


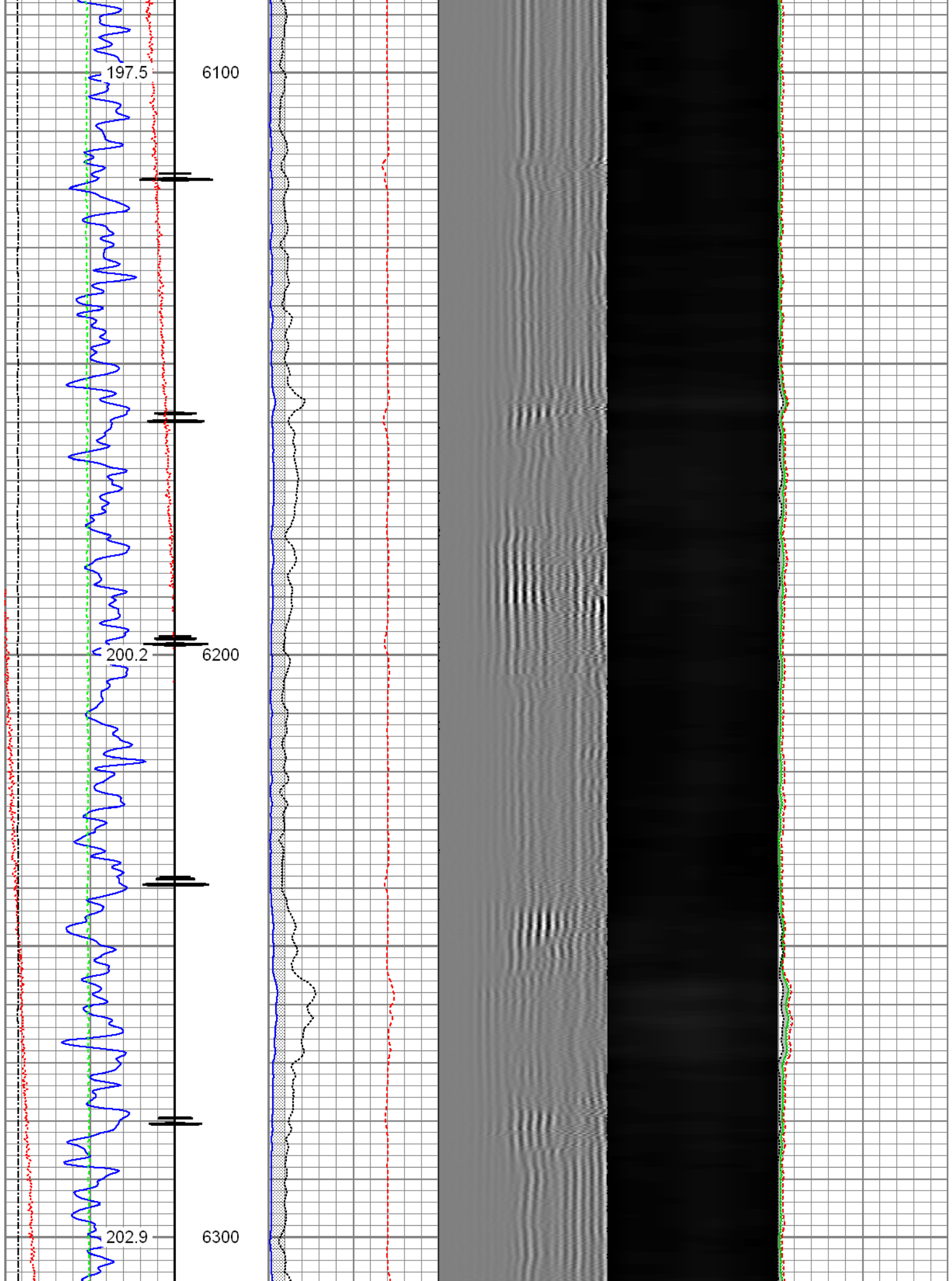


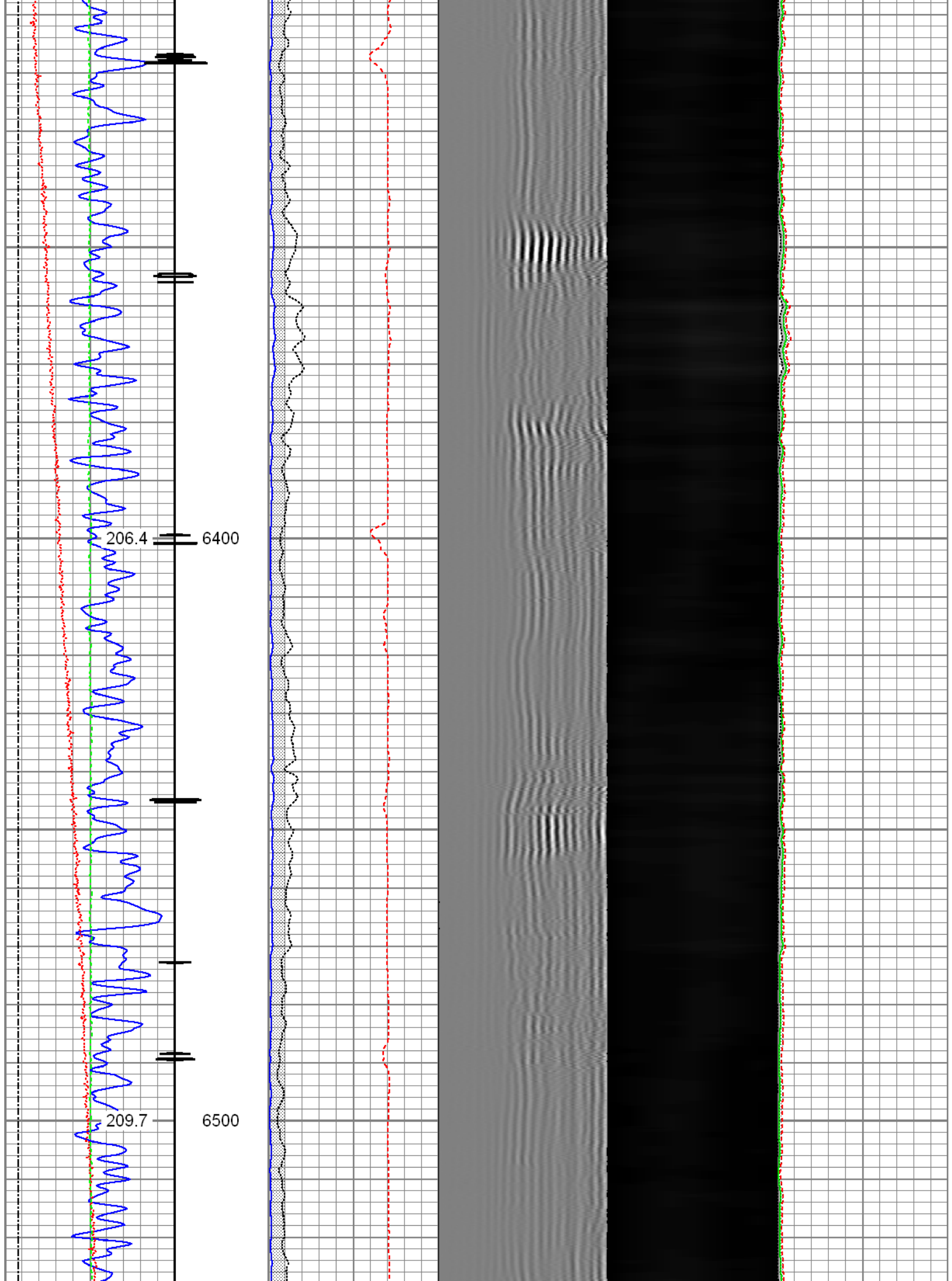


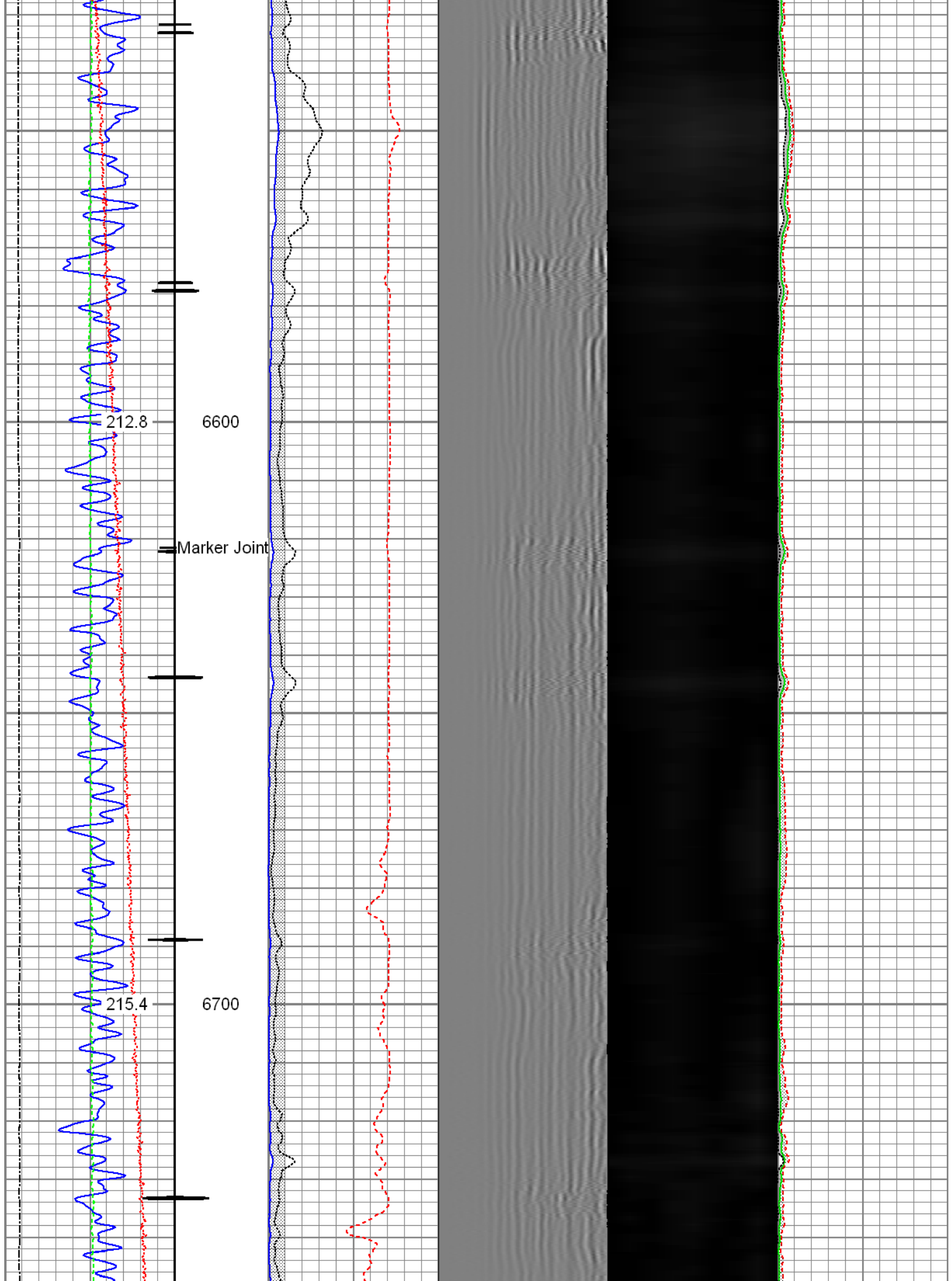


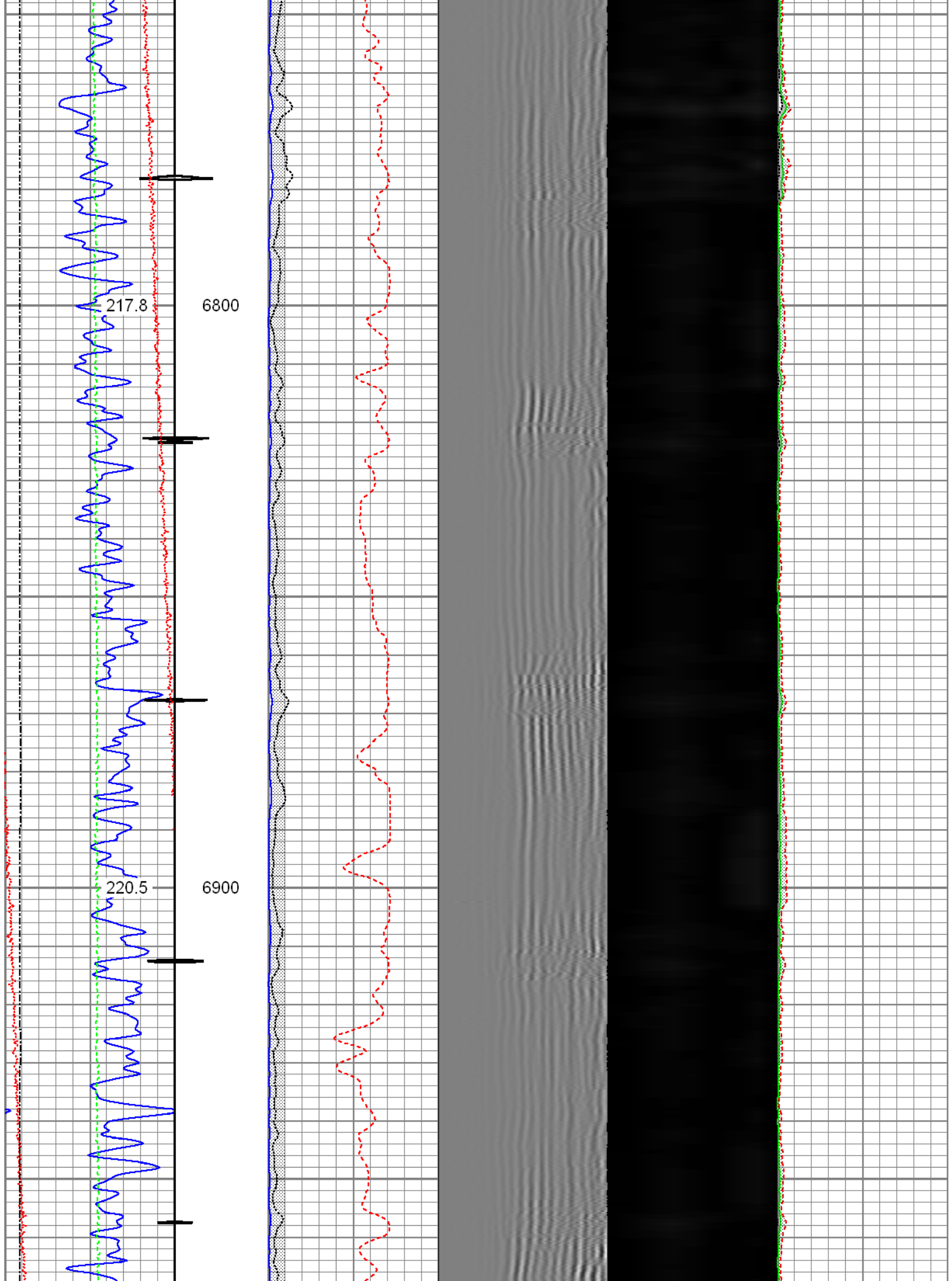


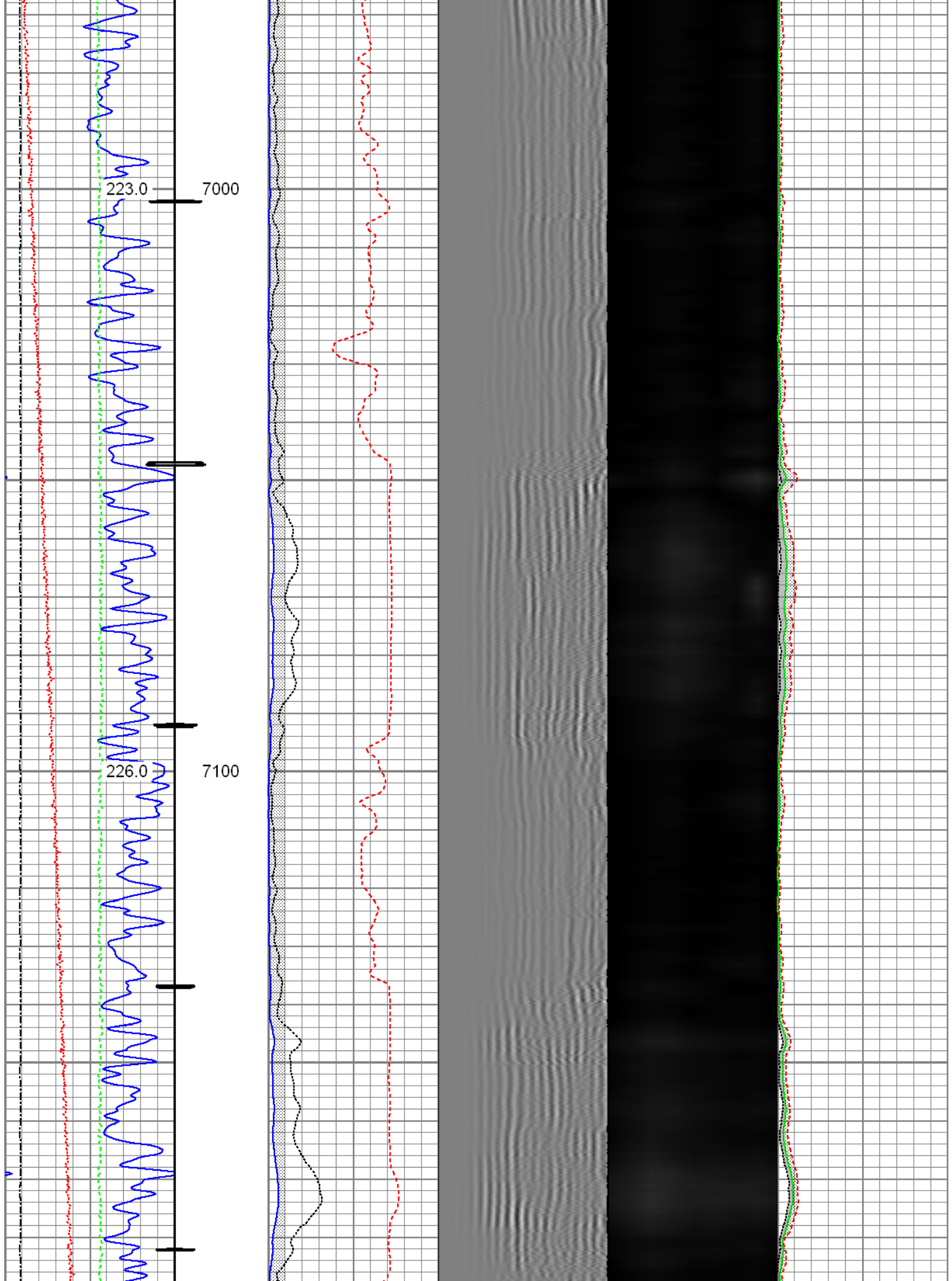


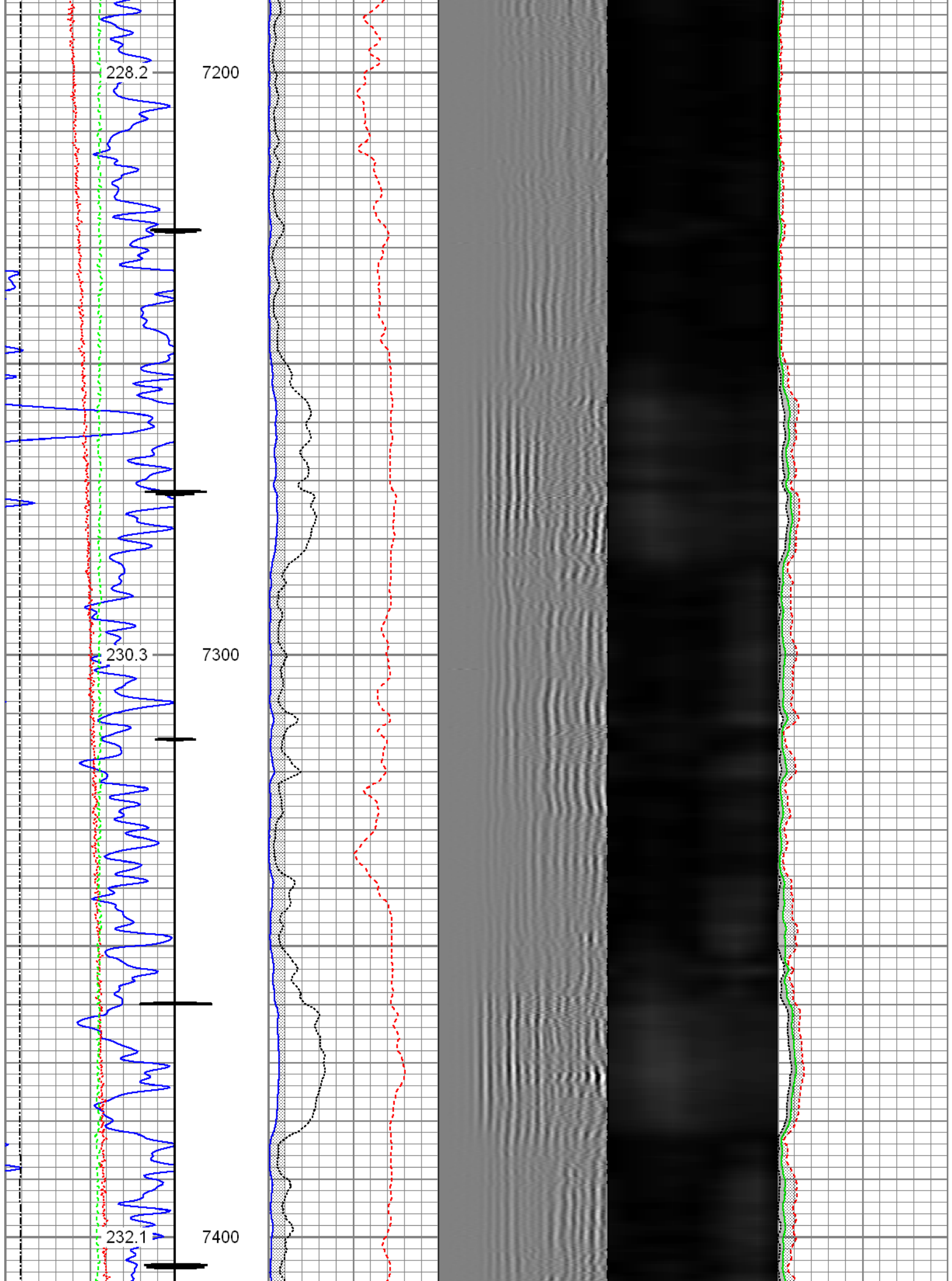


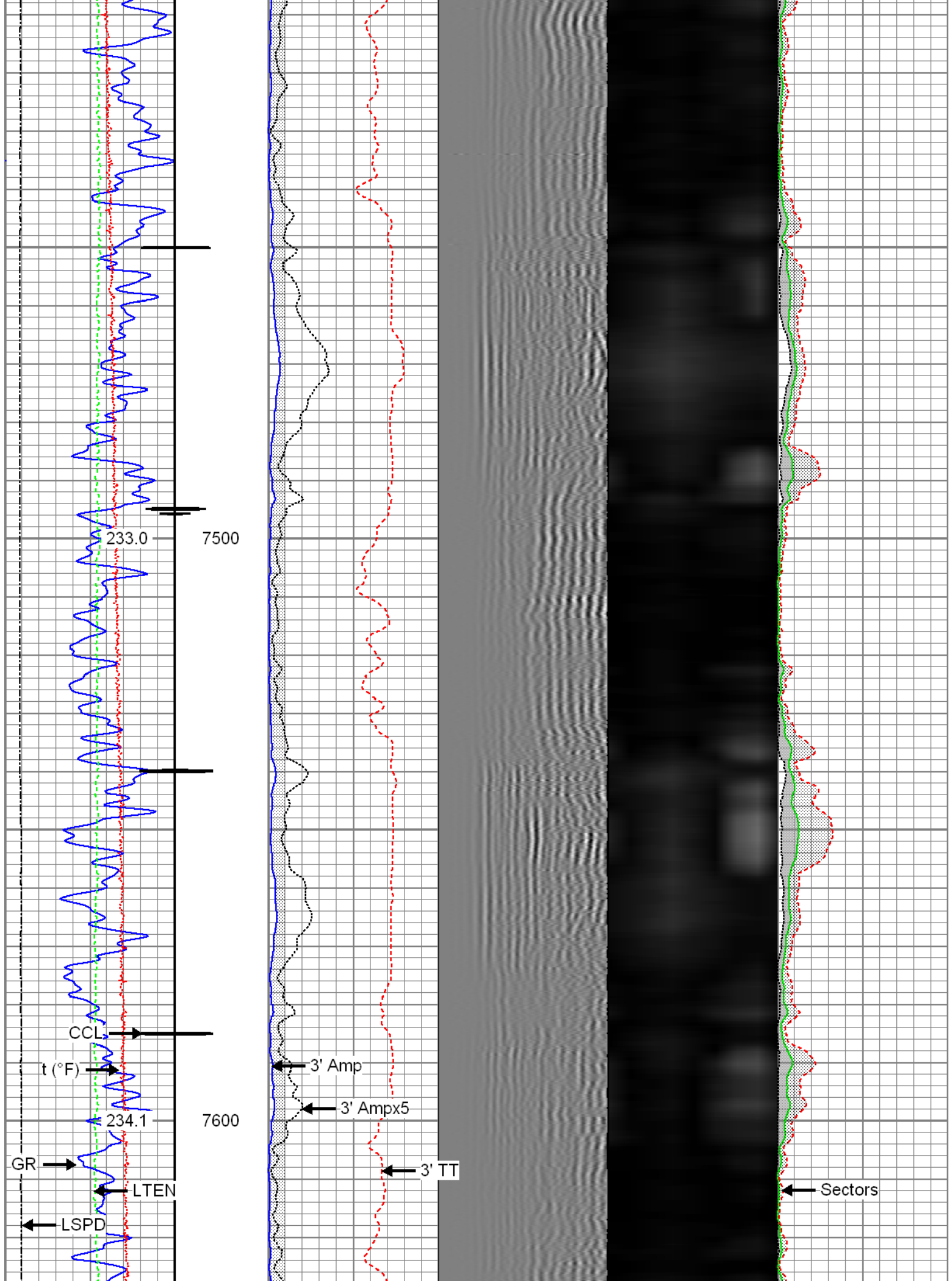


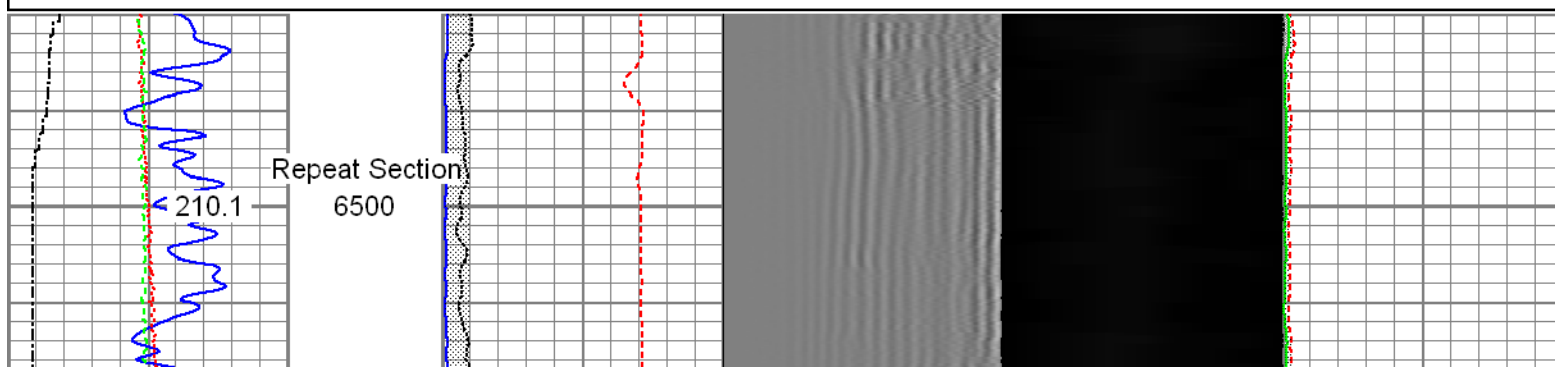
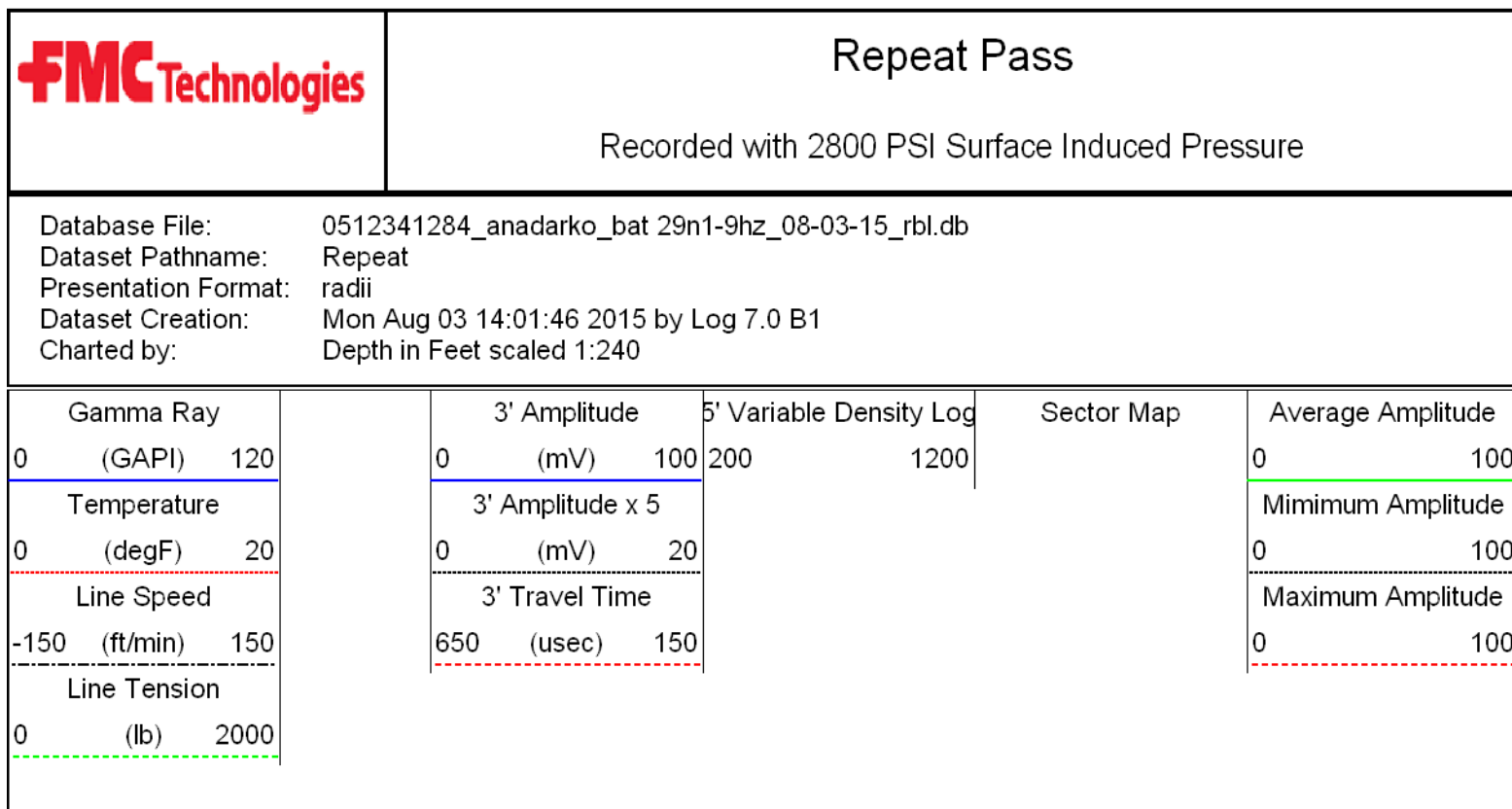
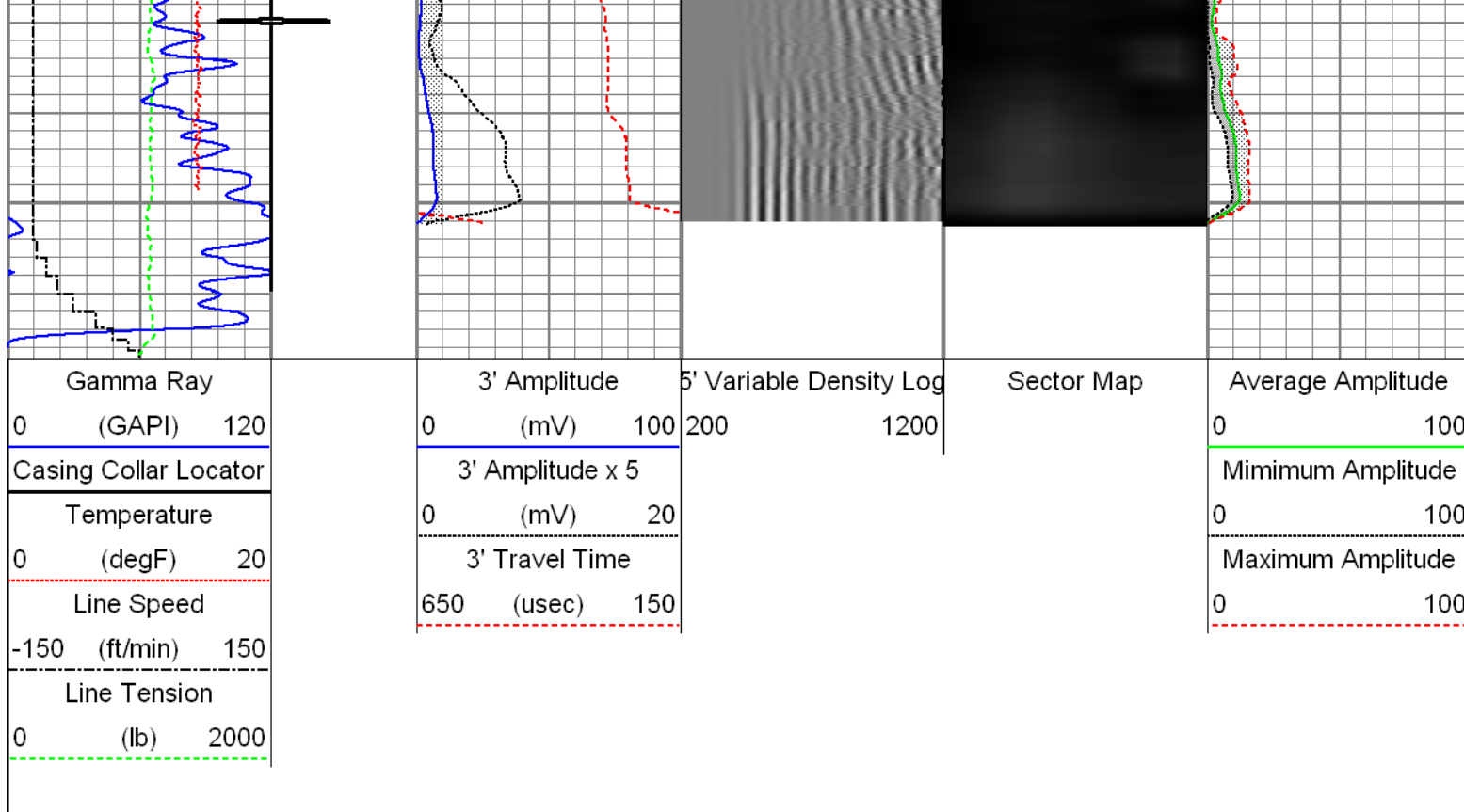


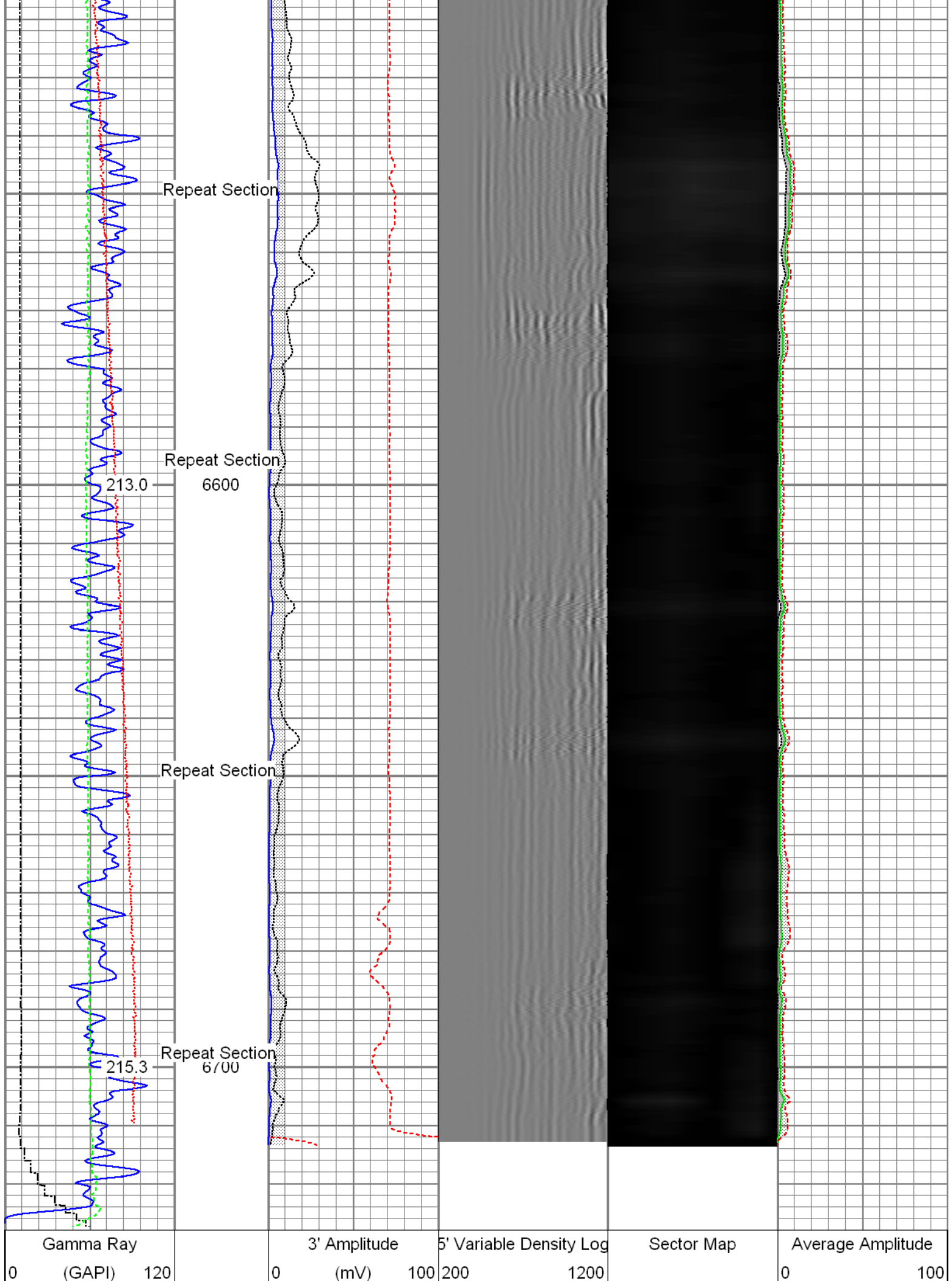




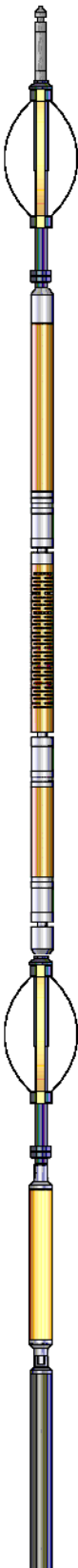


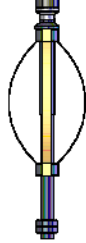






Temperature	3' Amplitude x 5	Mimimum Amplitude
0 (degF) 20	0 (mV) 20	0 100
Line Speed	3' Travel Time	Maximum Amplitude
-150 (ft/min) 150	650 (usec) 150	0 100
Line Tension		
0 (lb) 2000		

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
Head/Volt	20.94		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
Temp	18.17					
WVF3FT	16.00		Probe_RADII-C-2-3/4" (FW1302-002) Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	9.19	2.75	105.00
WVFCAL	16.00					
WVFS1	16.00					
WVFS2	16.00					
WVFS3	16.00					
WVFS4	16.00					
WVFS5	16.00					
WVFS6	16.00					
WVFS7	16.00					
WVFS8	16.00					
WVF5FT	15.00					
CCL DCCL	7.38		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
			CCL_LOG-Probe_SA_CCL (FW1307-076) Probe 2-3/4" Digital Six Magnet Logging CCL	2.66	2.75	35.00
			GR-Probe_SA_GR (FW1307-078) Probe 2-3/4" Scintillating Gamma Ray	3.33	2.75	55.00

GR	2.88		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
Dataset: 0512341284_Anadarko_Bat 29N1-9HZ_08-03-15_RBL.db: field/well/run1/MainPass Total Length: 24.85 ft Total Weight: 229.00 lb O.D. 2.75 in						

Calibration Report	
Database File:	0512341284_Anadarko_Bat 29N1-9HZ_08-03-15_RBL.db
Dataset Pathname:	MainPass
Dataset Creation:	Mon Aug 03 14:09:27 2015 by Log 7.0 B1


Gamma Ray Calibration Report		
Serial Number:	FW1307-078	
Tool Model:	Probe_SA_GR	
Performed:	Mon Aug 03 07:39:05 2015	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	0.6000	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1302-002	
Tool Model:	2-3/4"	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	-17.610	ft

Master Calibration, performed Mon Aug 03 07:43:56 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.005	0.691	0.800	71.921	103.705	0.309
CAL	0.002	0.784				
5'	0.003	0.703	0.800	71.921	101.580	0.523
SUM						
S1	0.018	0.694	0.000	100.000	148.124	-2.725
S2	0.003	0.694	0.000	100.000	144.691	-0.419
S3	0.002	0.692	0.000	100.000	144.919	-0.329
S4	0.002	0.691	0.000	100.000	145.145	-0.298
S5	0.002	0.689	0.000	100.000	145.594	-0.341
S6	0.002	0.692	0.000	100.000	145.091	-0.347
S7	0.005	0.696	0.000	100.000	144.671	-0.701
S8	0.004	0.692	0.000	100.000	145.259	-0.518

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	0.002	0.784	1.000	0.000
Air Zero Calibration, performed Mon Aug 03 07:44:16 2015:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.005		0.000		0.000	
5'	0.003		0.000		0.000	
SUM						
S1	0.018		0.000		0.000	
S2	0.003		0.000		0.000	
S3	0.002		0.000		0.000	
S4	0.002		0.000		0.000	
S5	0.002		0.000		-0.000	
S6	0.002		0.000		0.000	
S7	0.005		0.000		-0.000	
S8	0.004		0.000		-0.000	

	Company	Kerr-McGee Oil & Gas Onshore, L.P.
	Well	Bat 29N1-9HZ
	Field	Wattenberg
	County	Weld
	State	Colorado