



<<< Fold Here >>>
<p>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.</p>
Comments
<p>Log ran as per customer request Depth referenced to Kelly Bushing at 25 FT Adjusted log 9 FT to correlate with Marker Joint at 7035 FT Gauge Ring/Junk Basket ran to 7822 FT with no debris found Log ran from 7739 FT to surface Log ran with 2800 PSI surface induced pressure Logging tools were clean and free of any debris upon completion of operations</p> <p>Thank you for choosing FMC Technologies Completion Services, Inc.!!</p>



Recorded with 2800 PSI Surface Induced Pressure

Database File: c:\warrior\data\0512341795_anadarko_tedford 3c-28hz_10-21-15_rbl_cn\0512341795_anadarko_tec

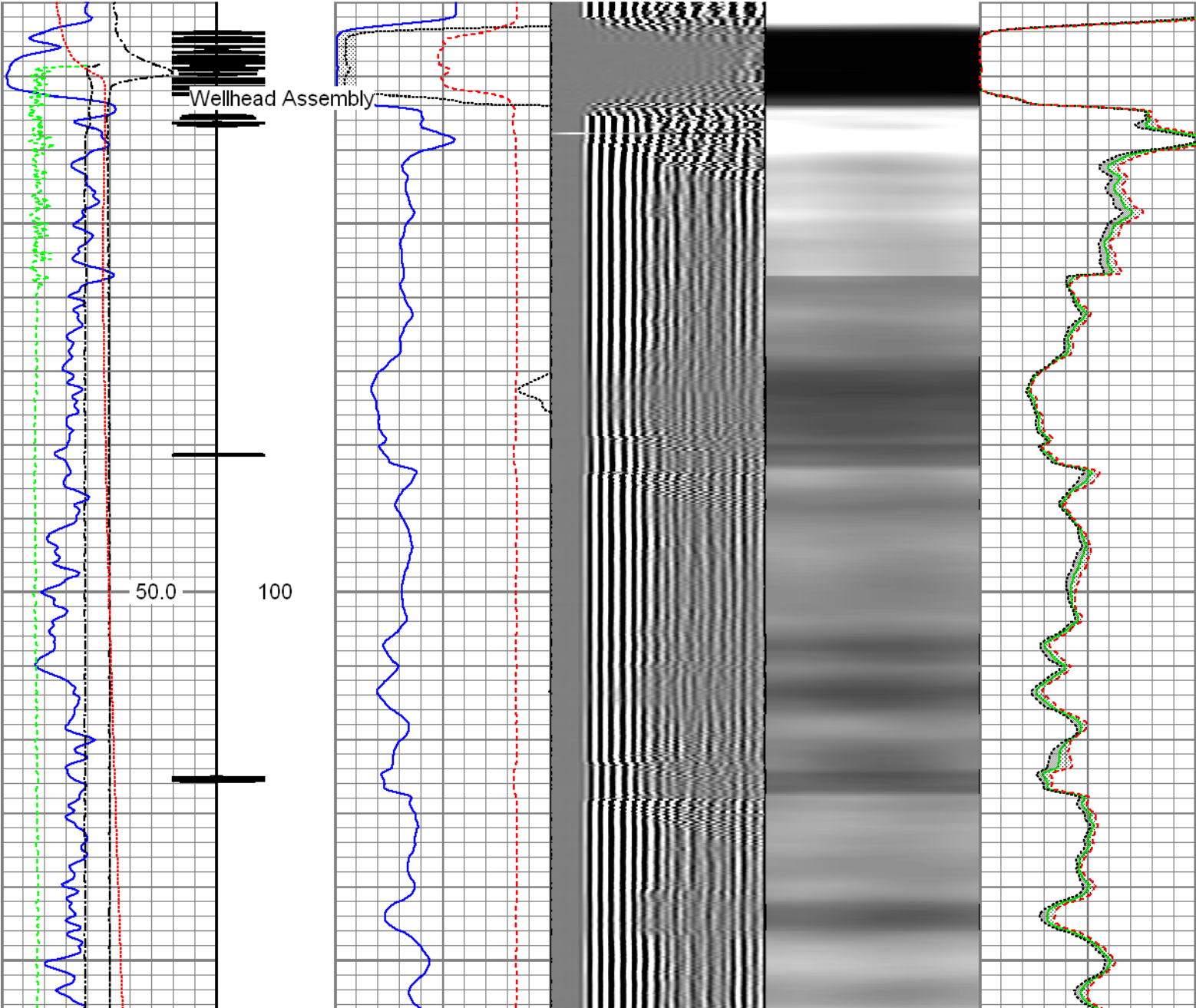
Dataset Pathname: pass7

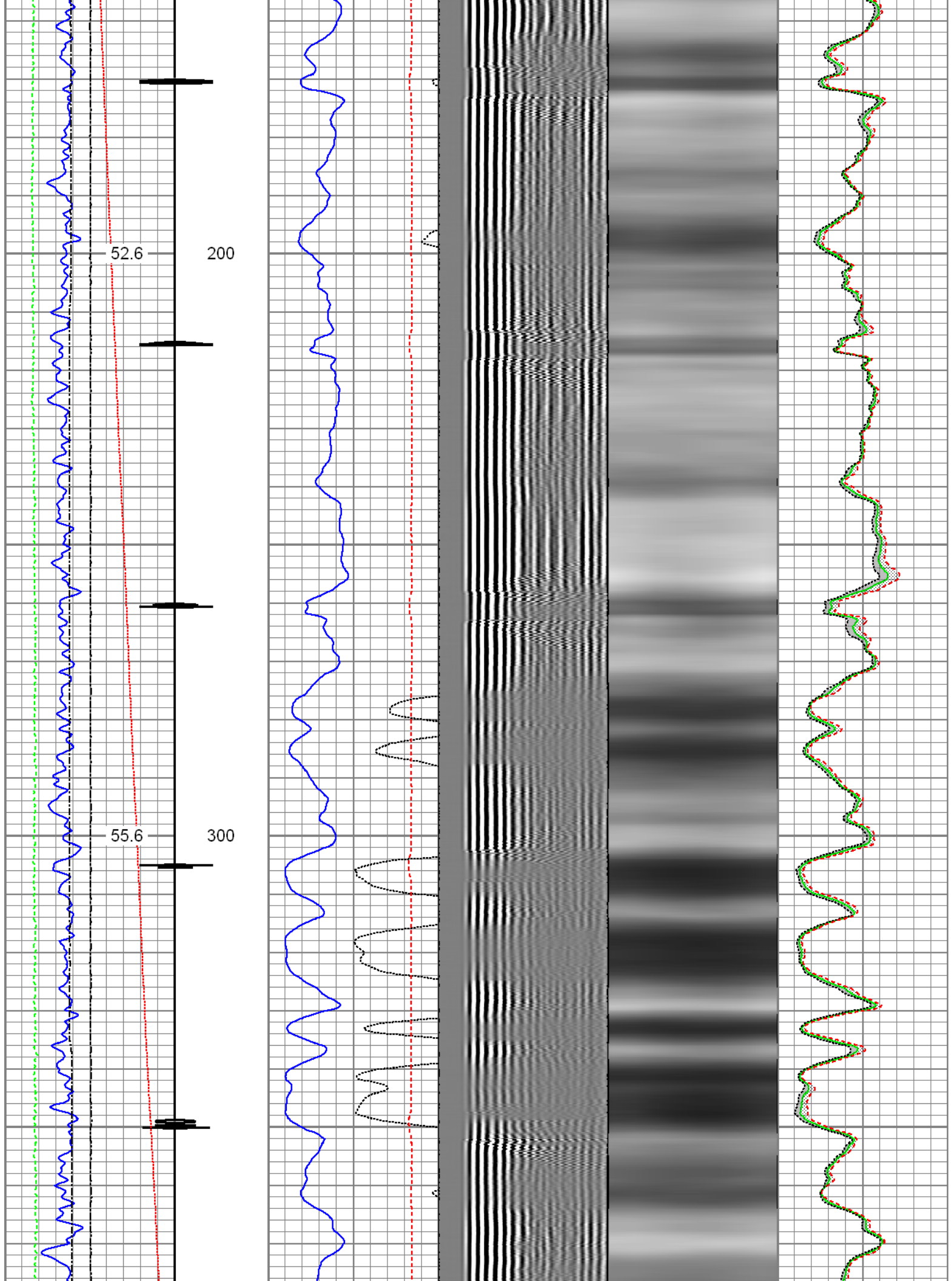
Presentation Format: rbt003

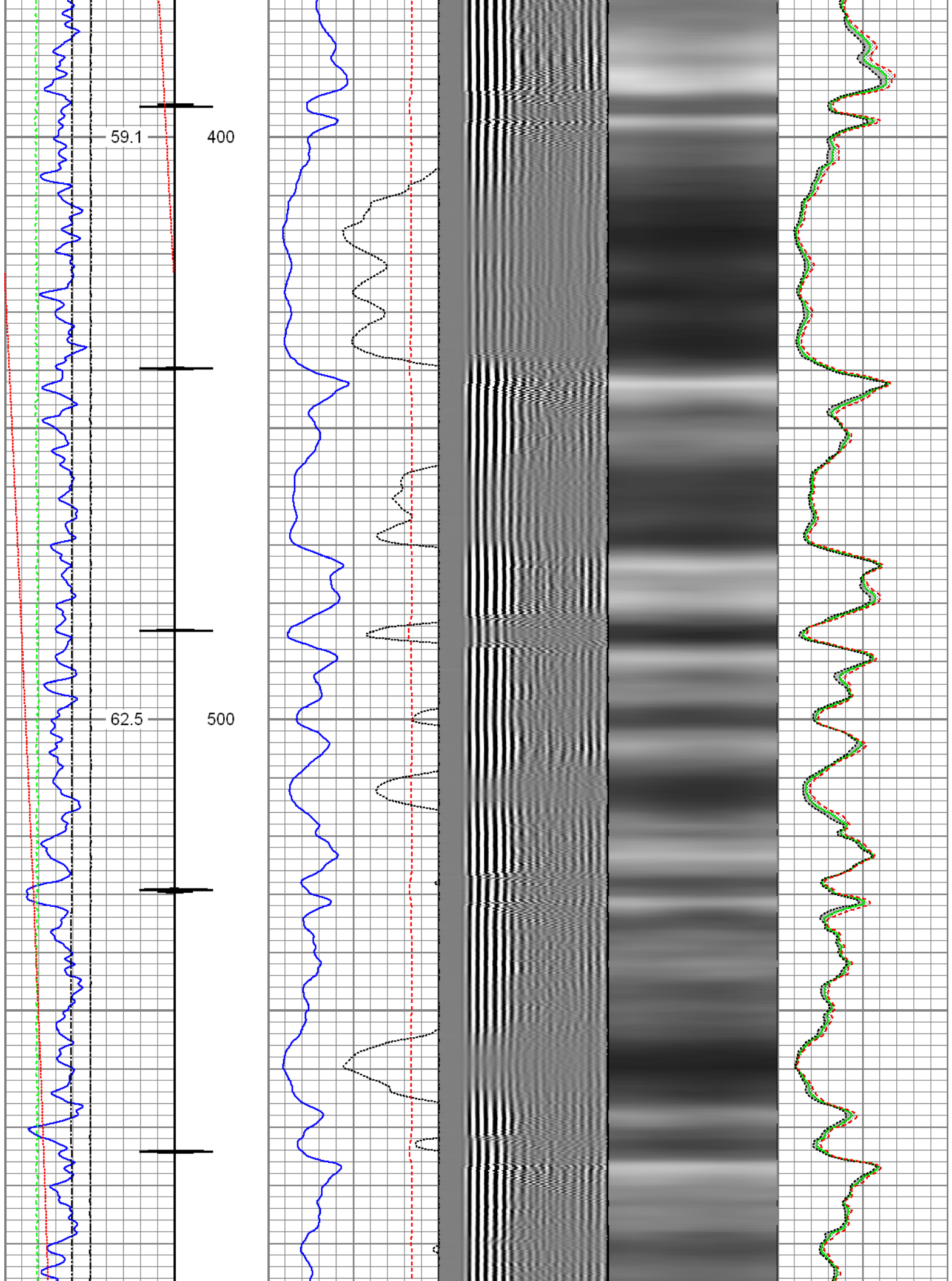
Dataset Creation: Wed Oct 21 13:45:12 2015 by Log 7.0 B1

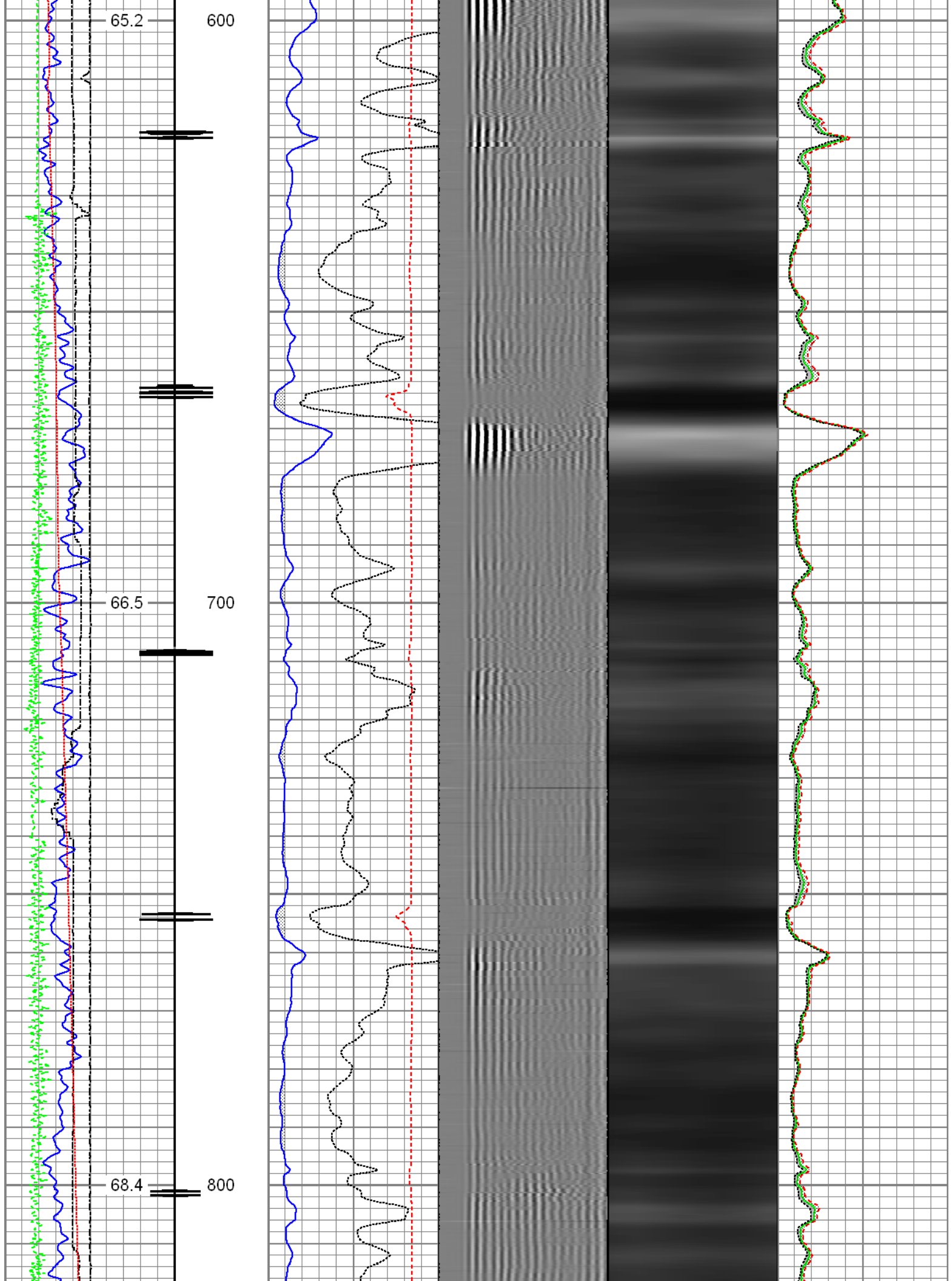
Charted by: Depth in Feet scaled 1:240

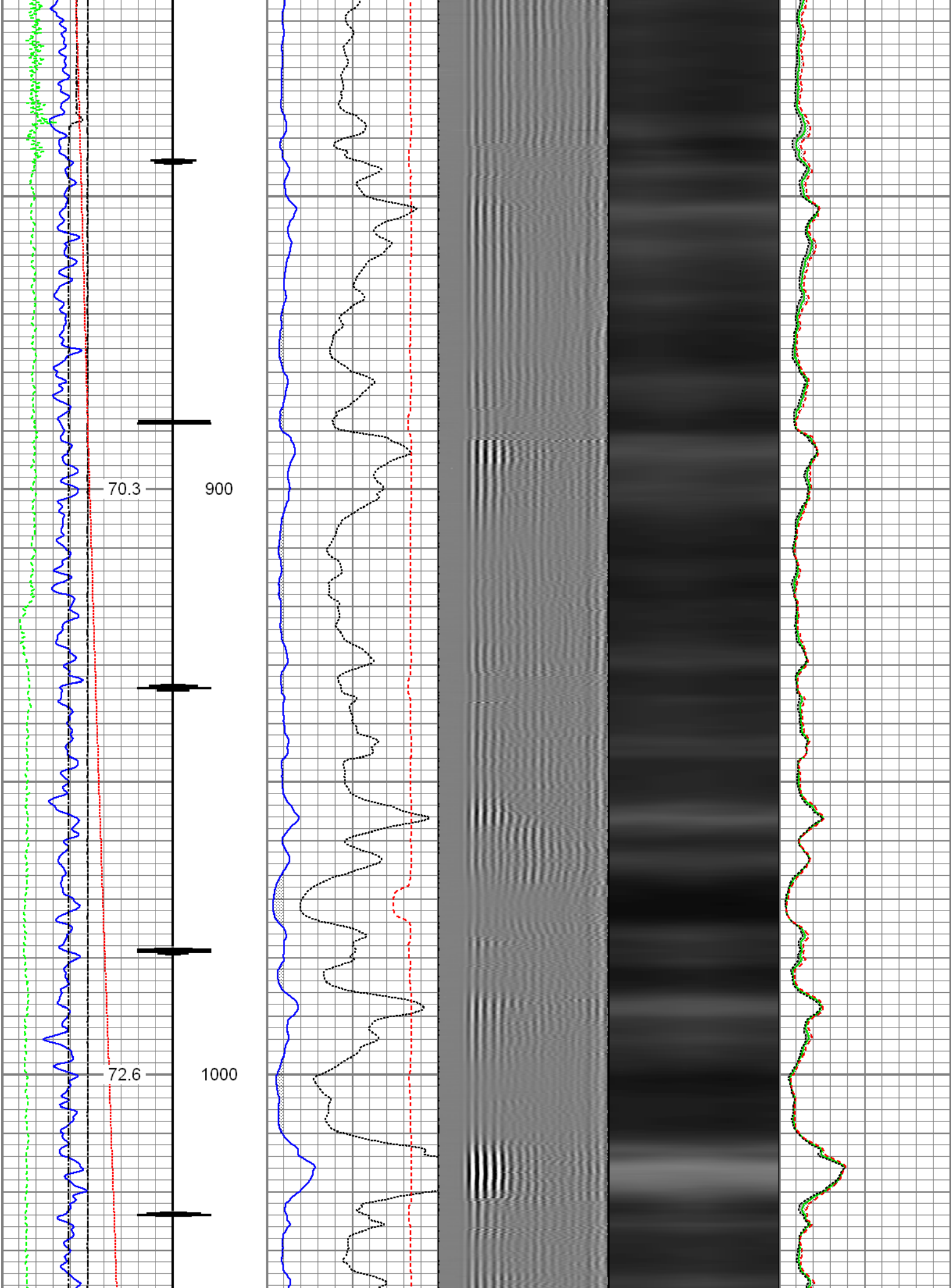
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Minimum Amplitude
Line Speed	0 (mV) 20			0 100
-150 (ft/min) 150	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000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

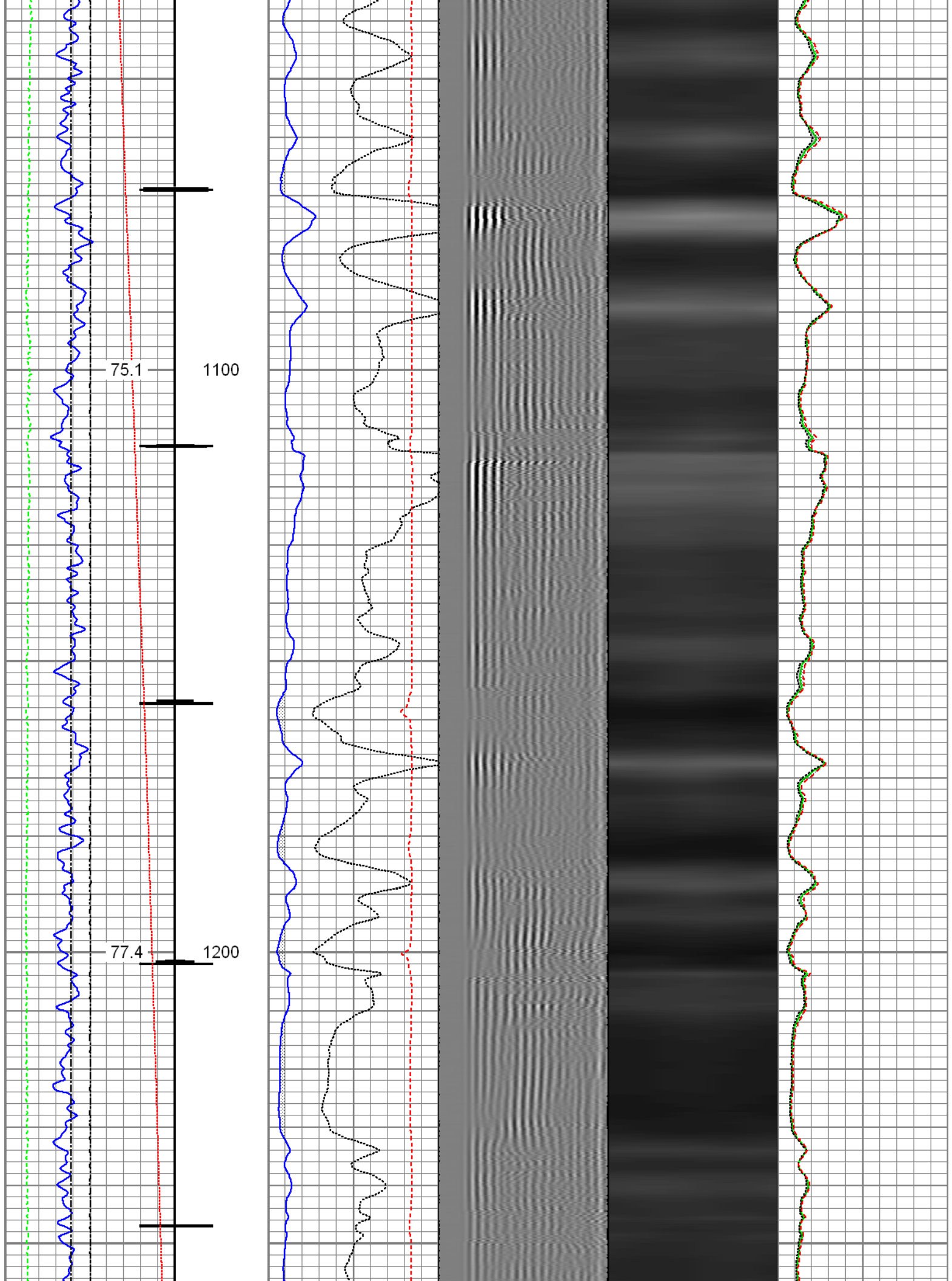


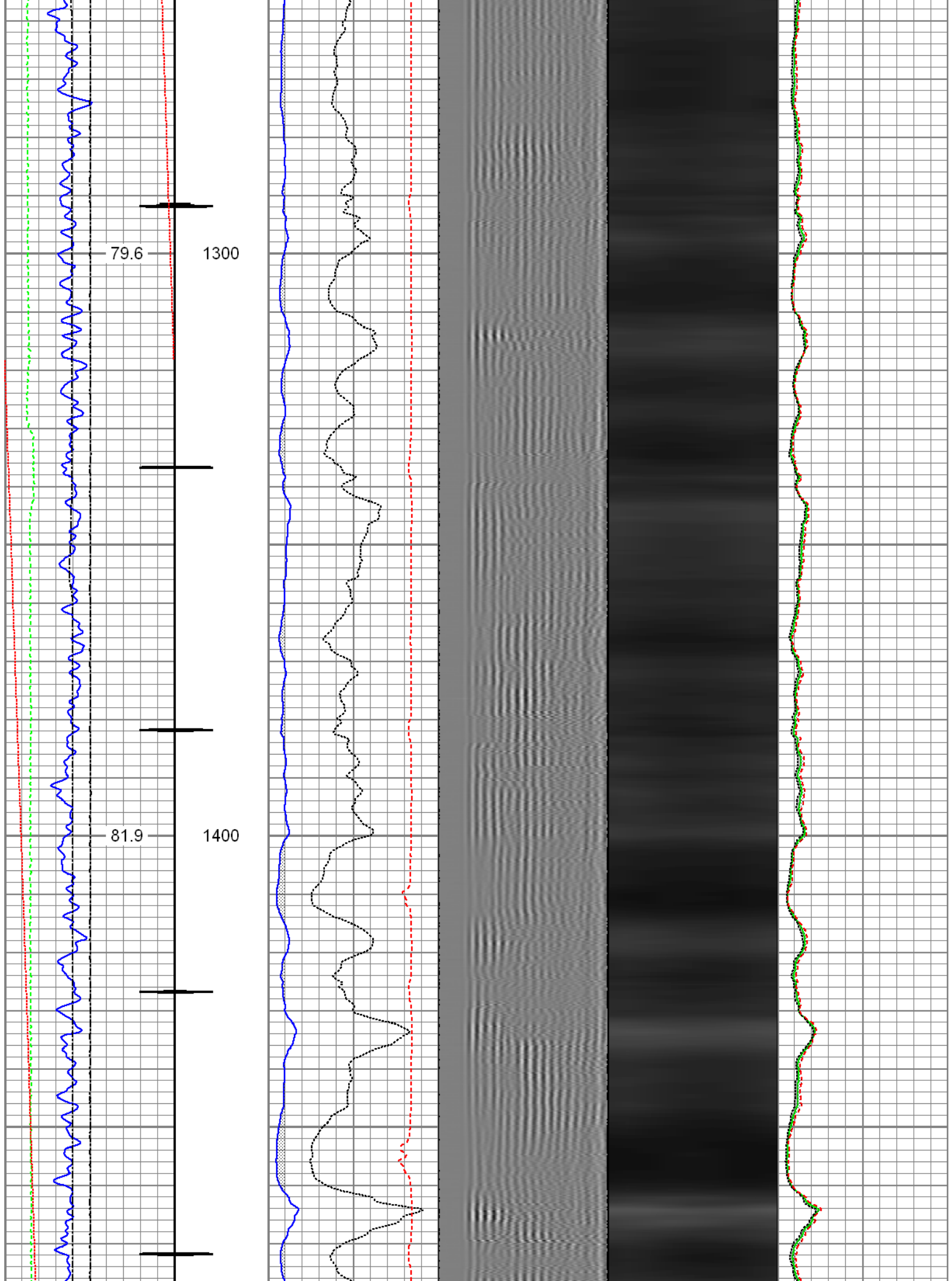


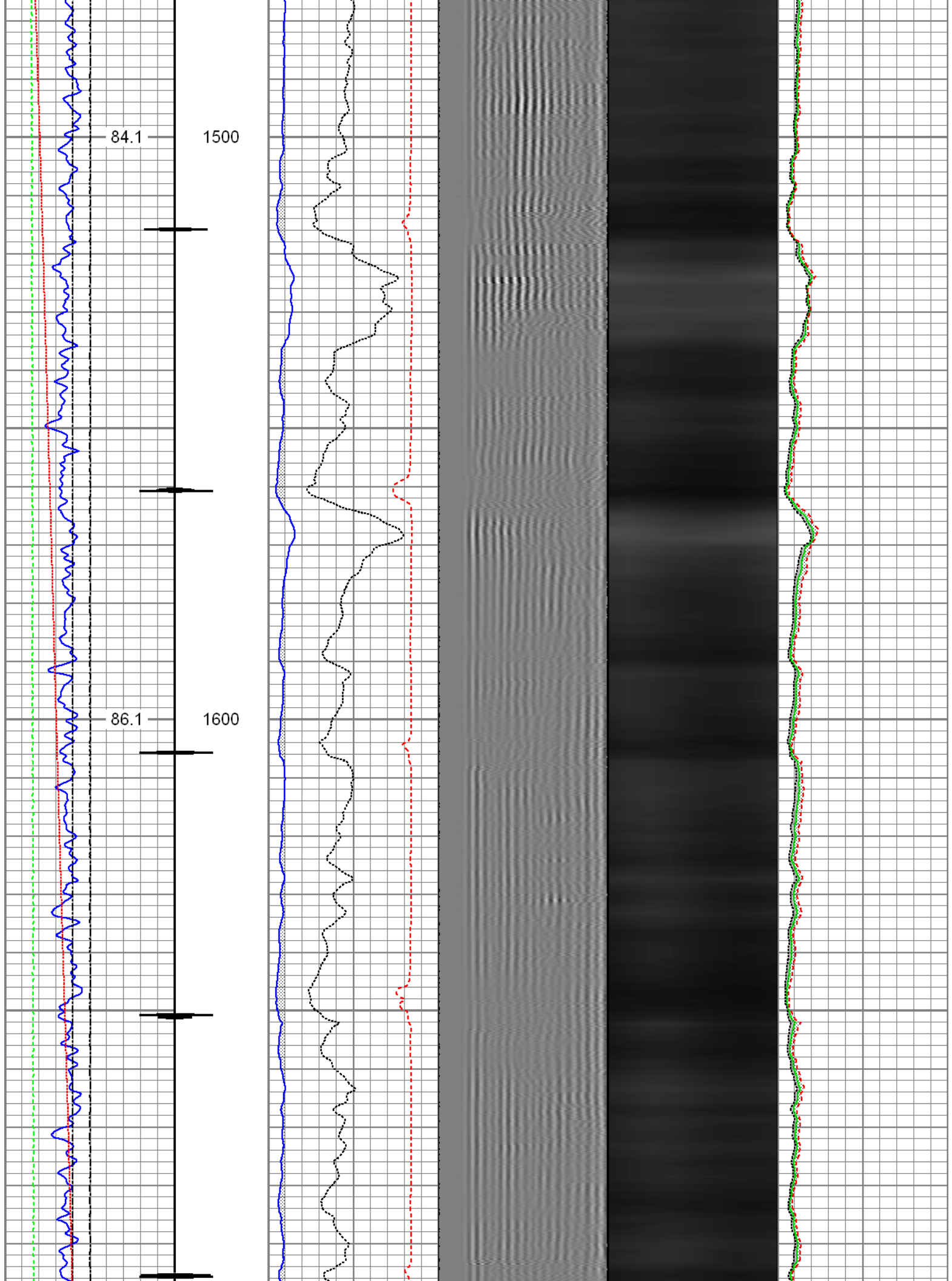


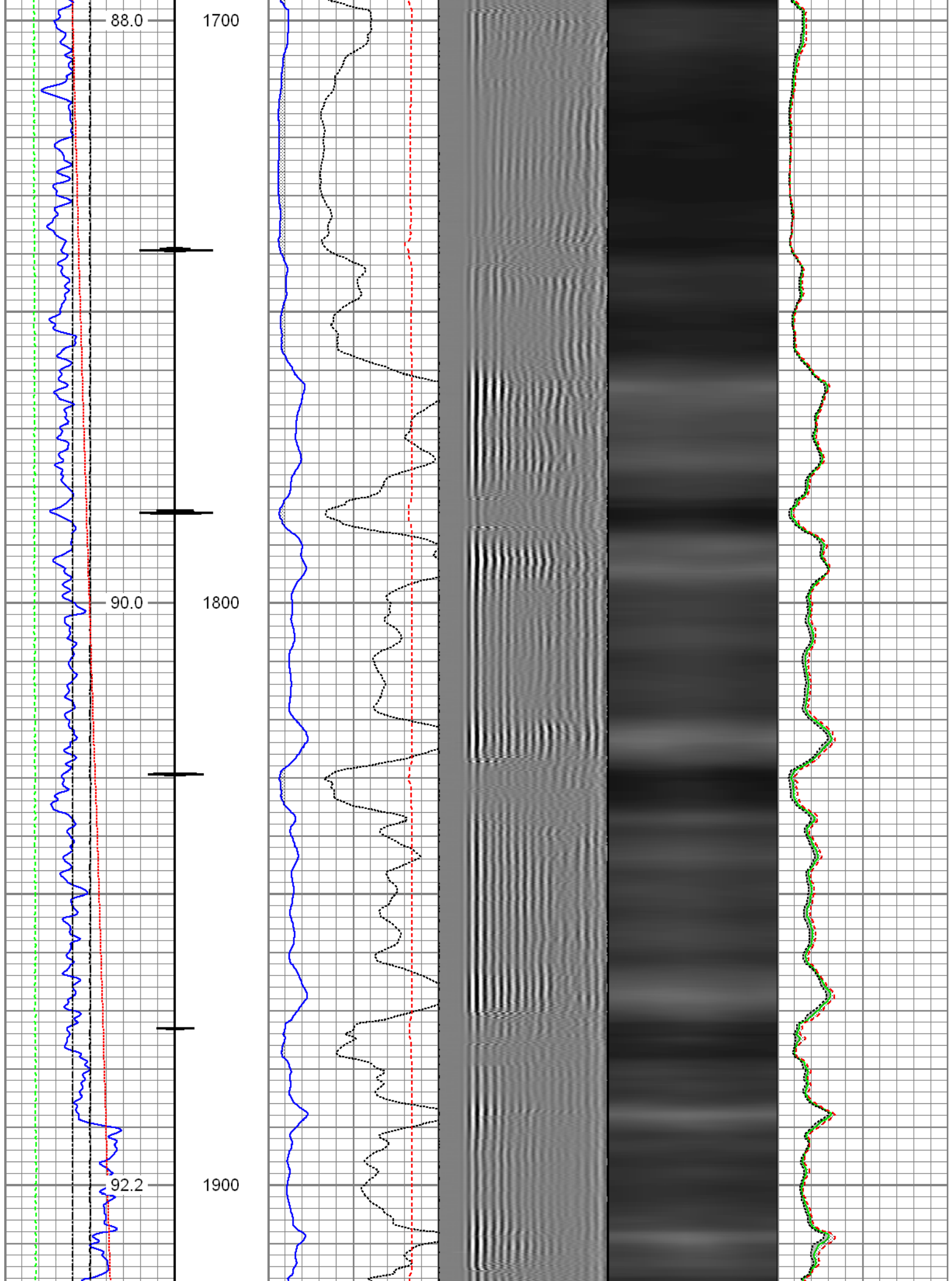


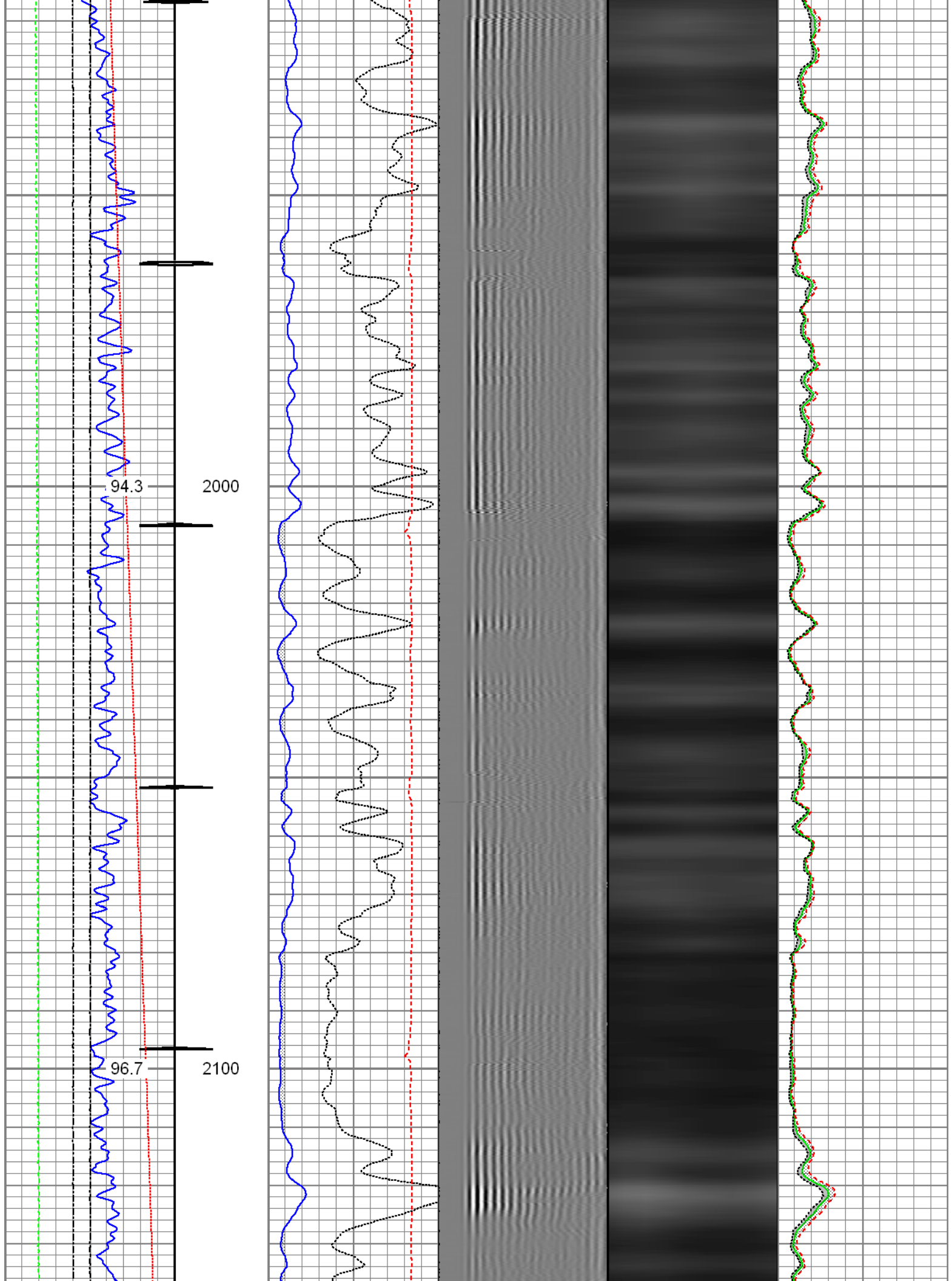


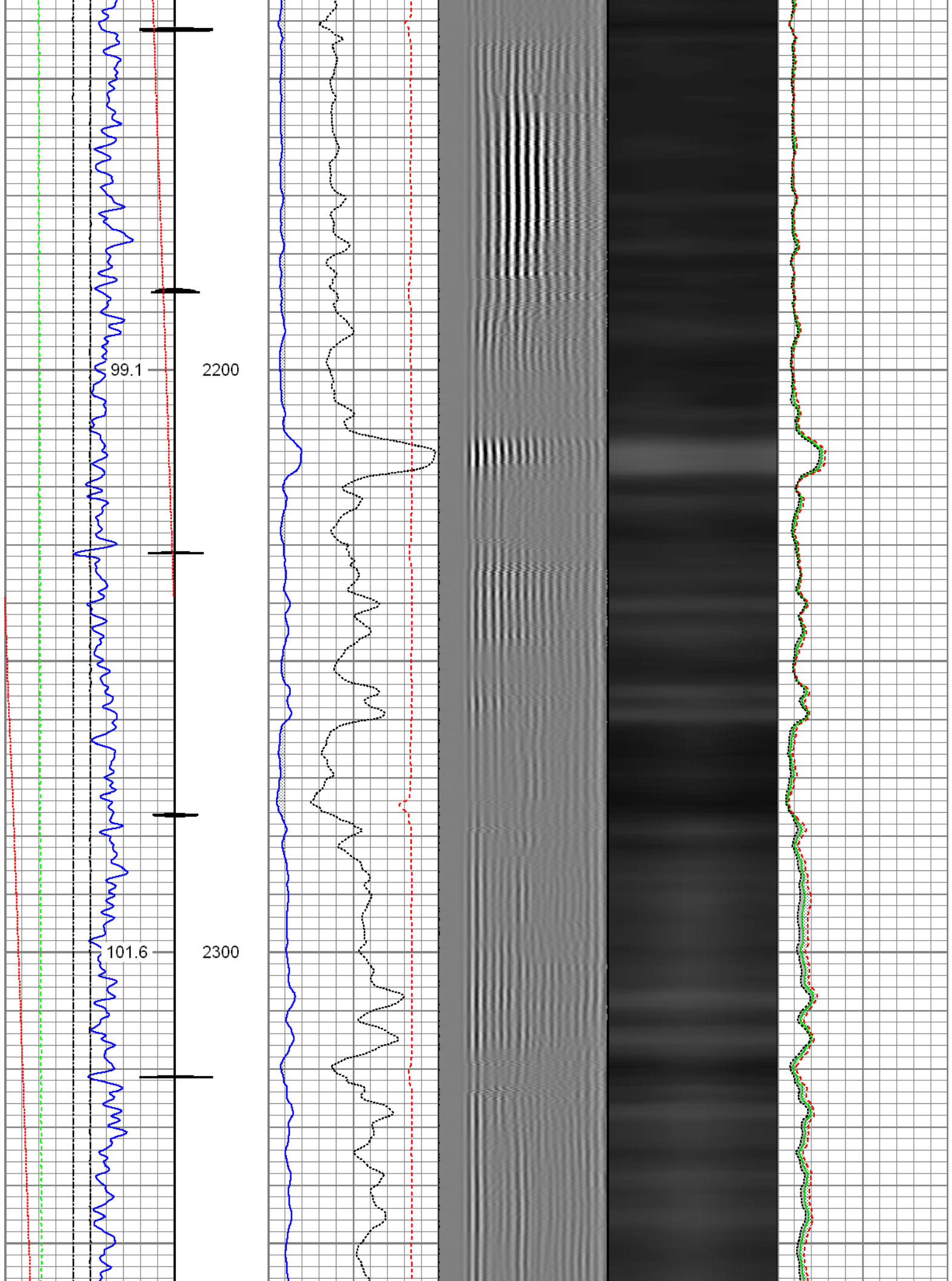


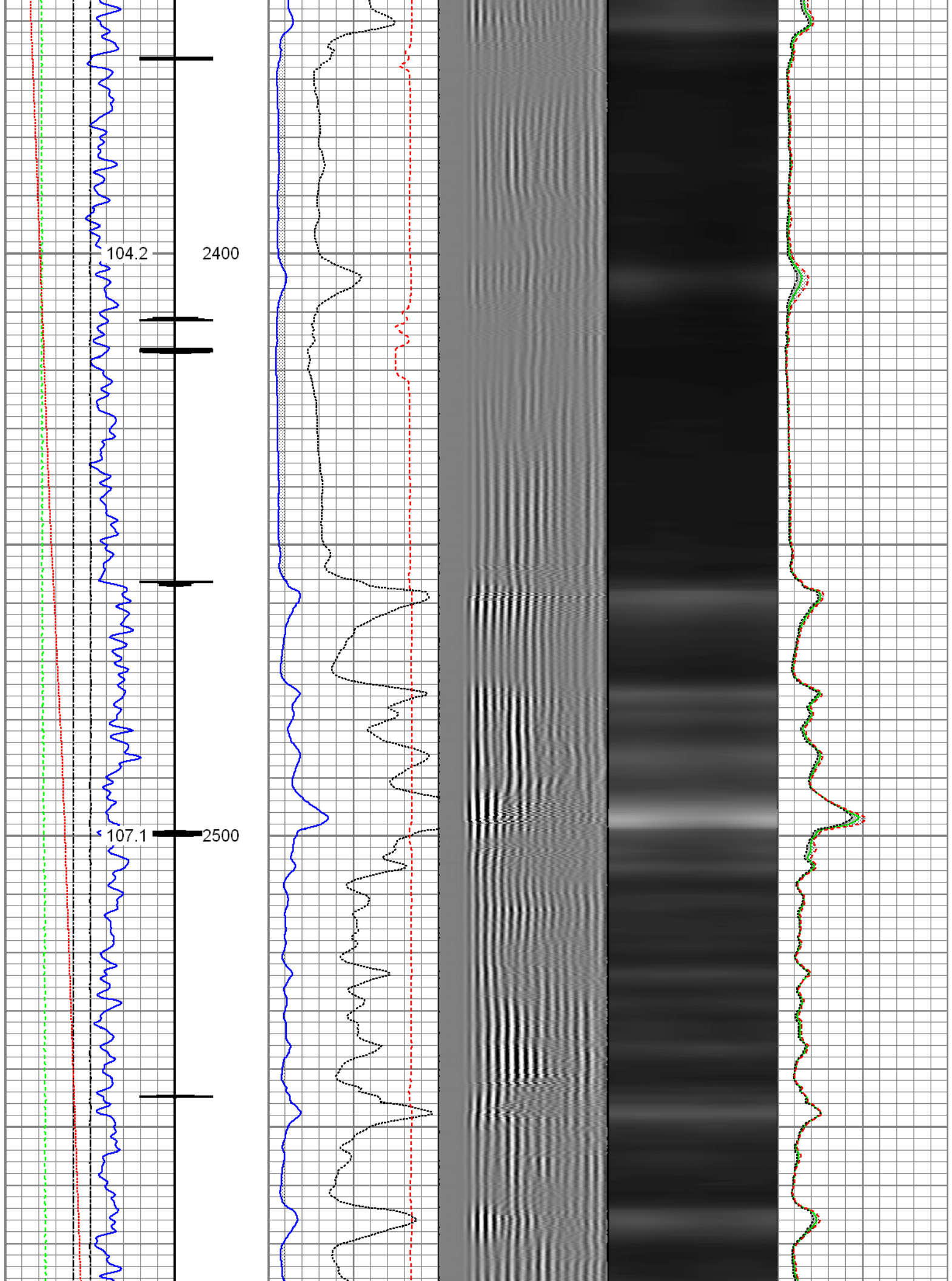


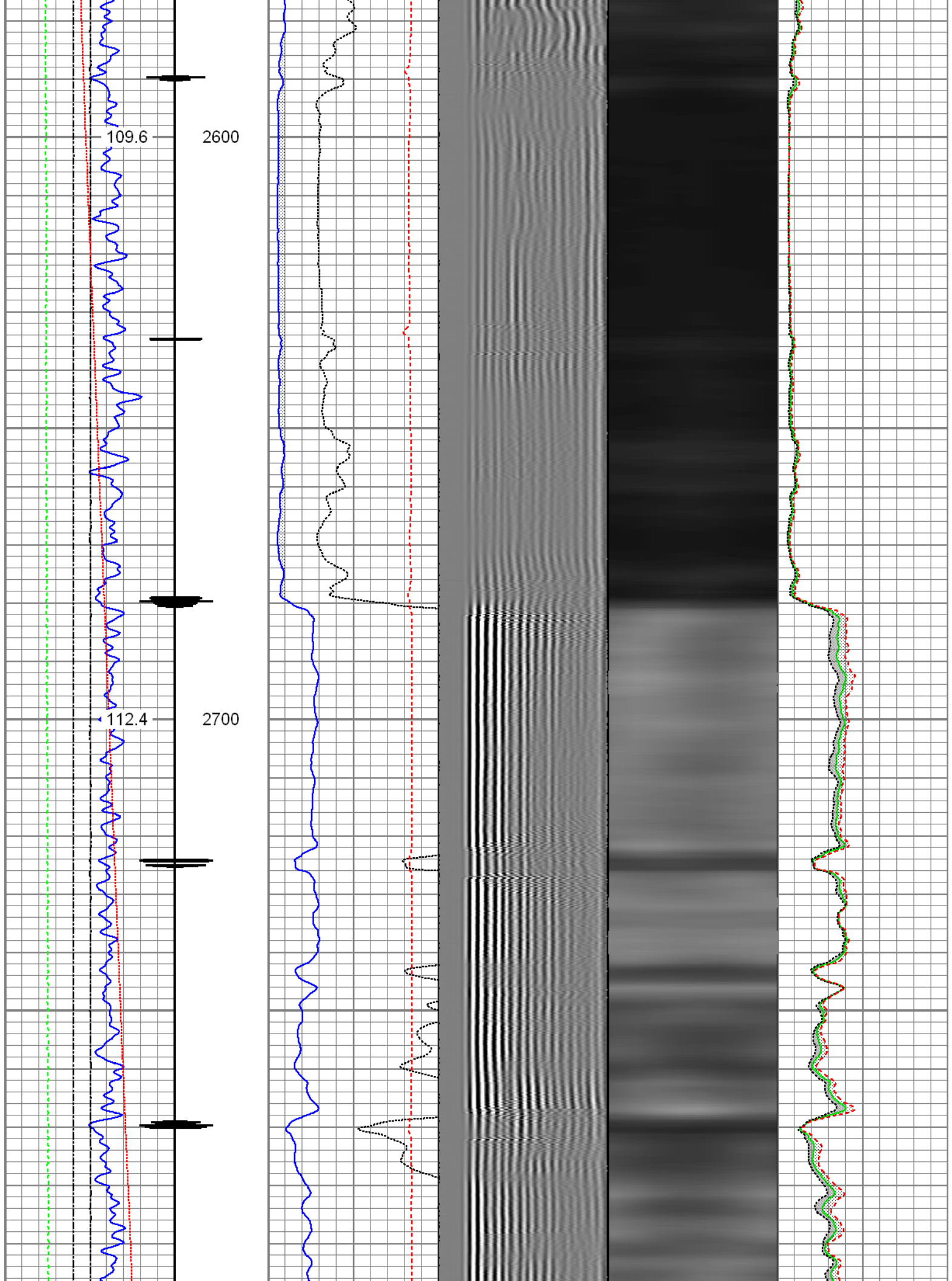


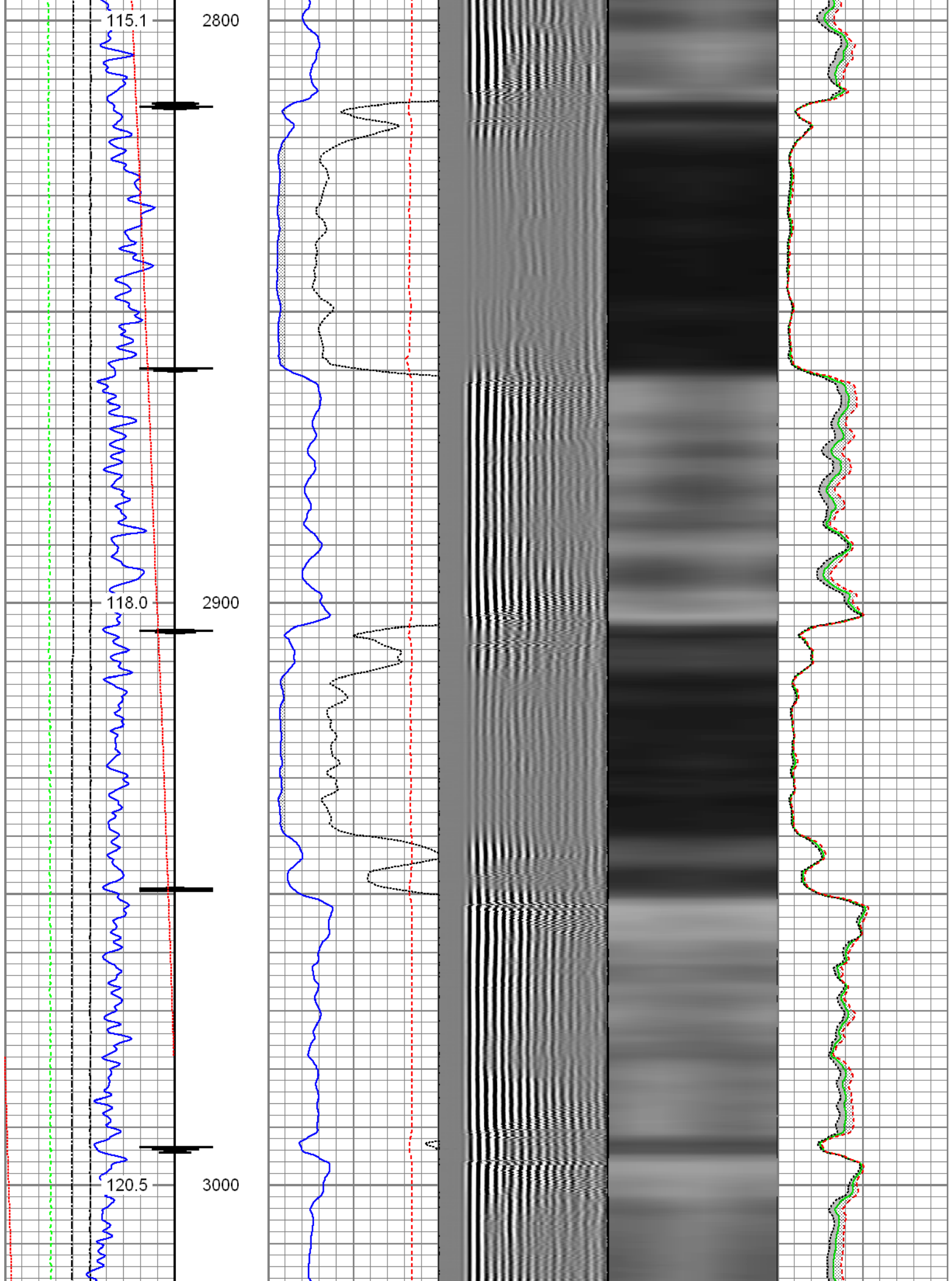


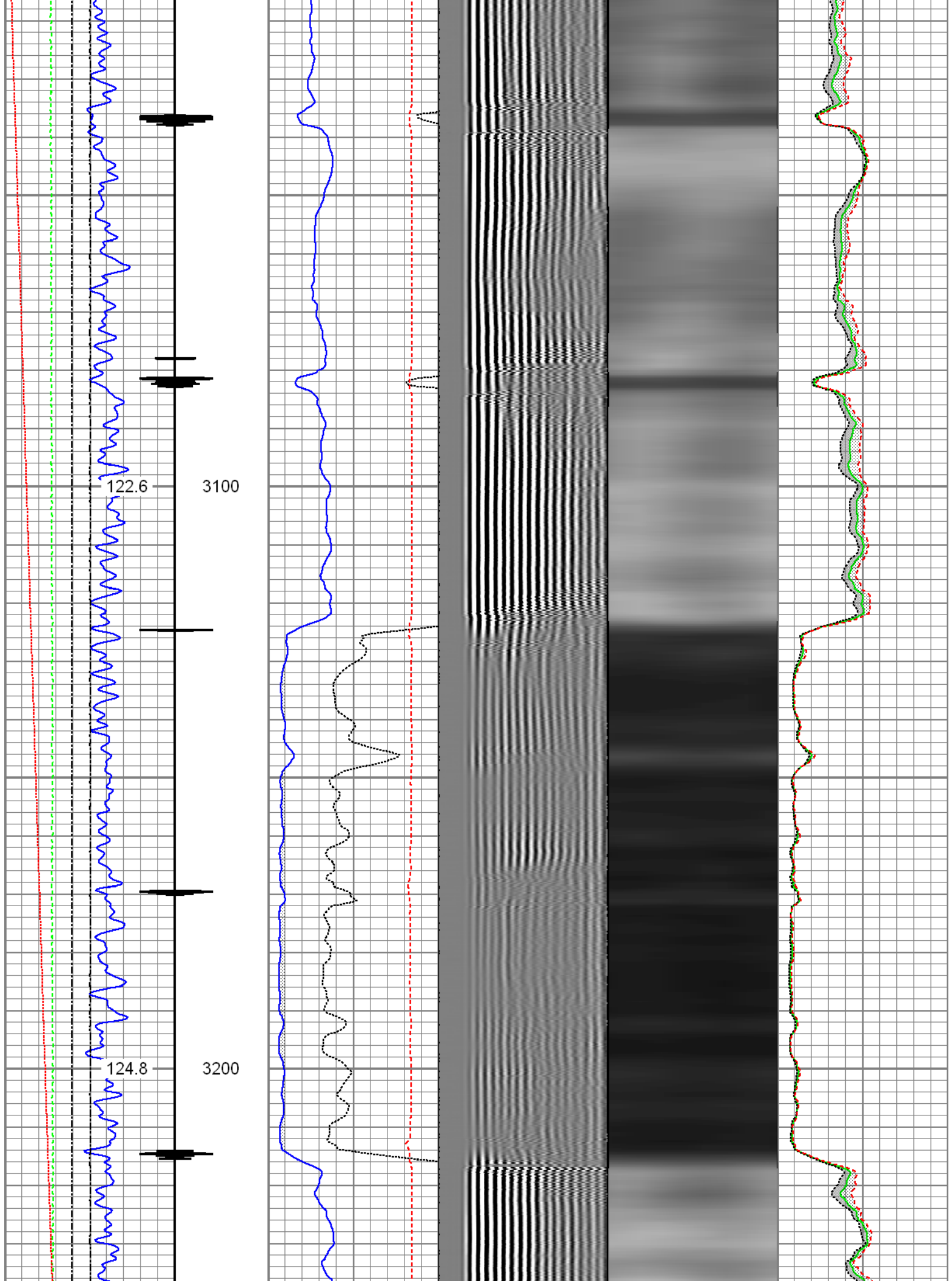


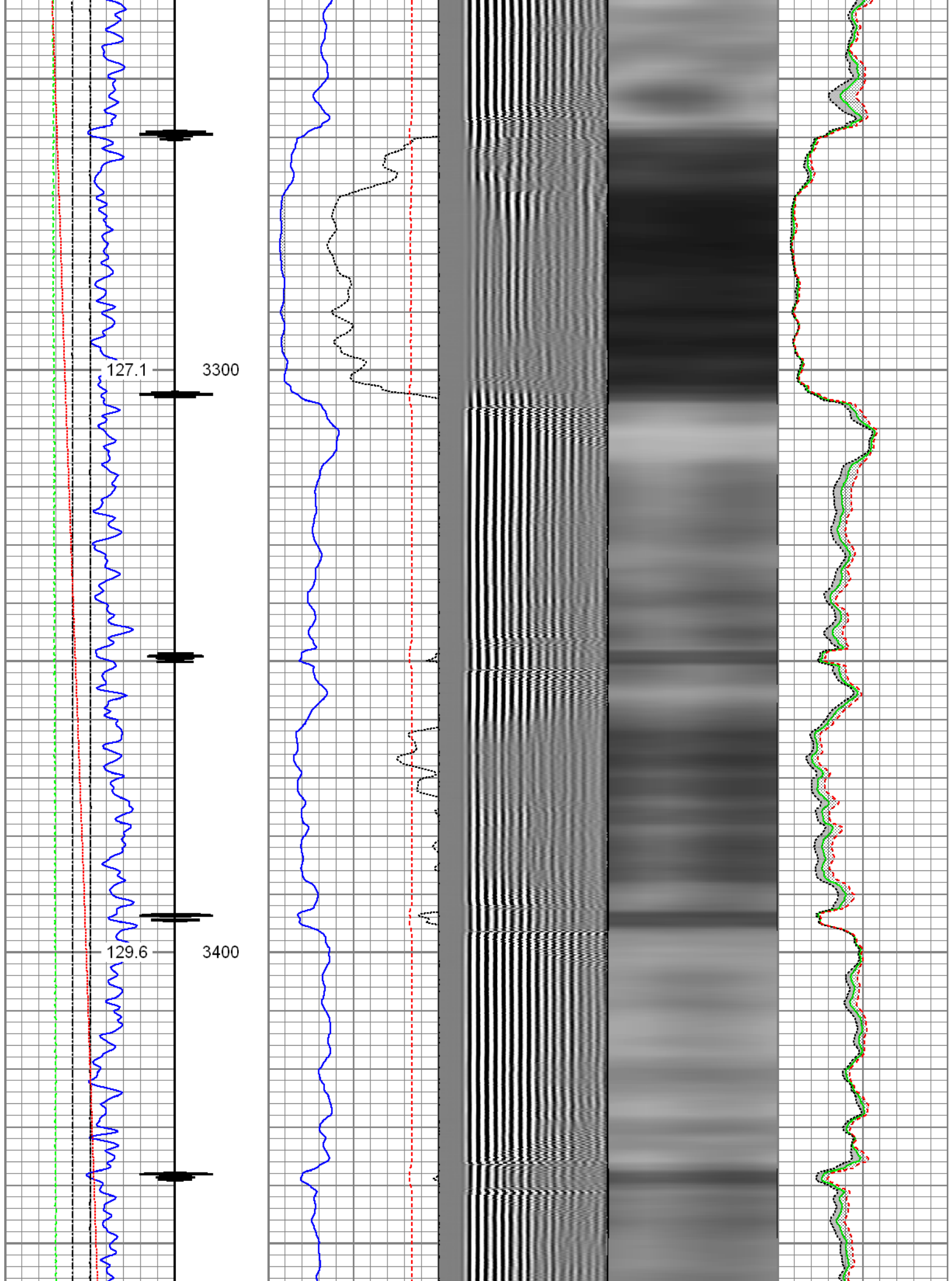


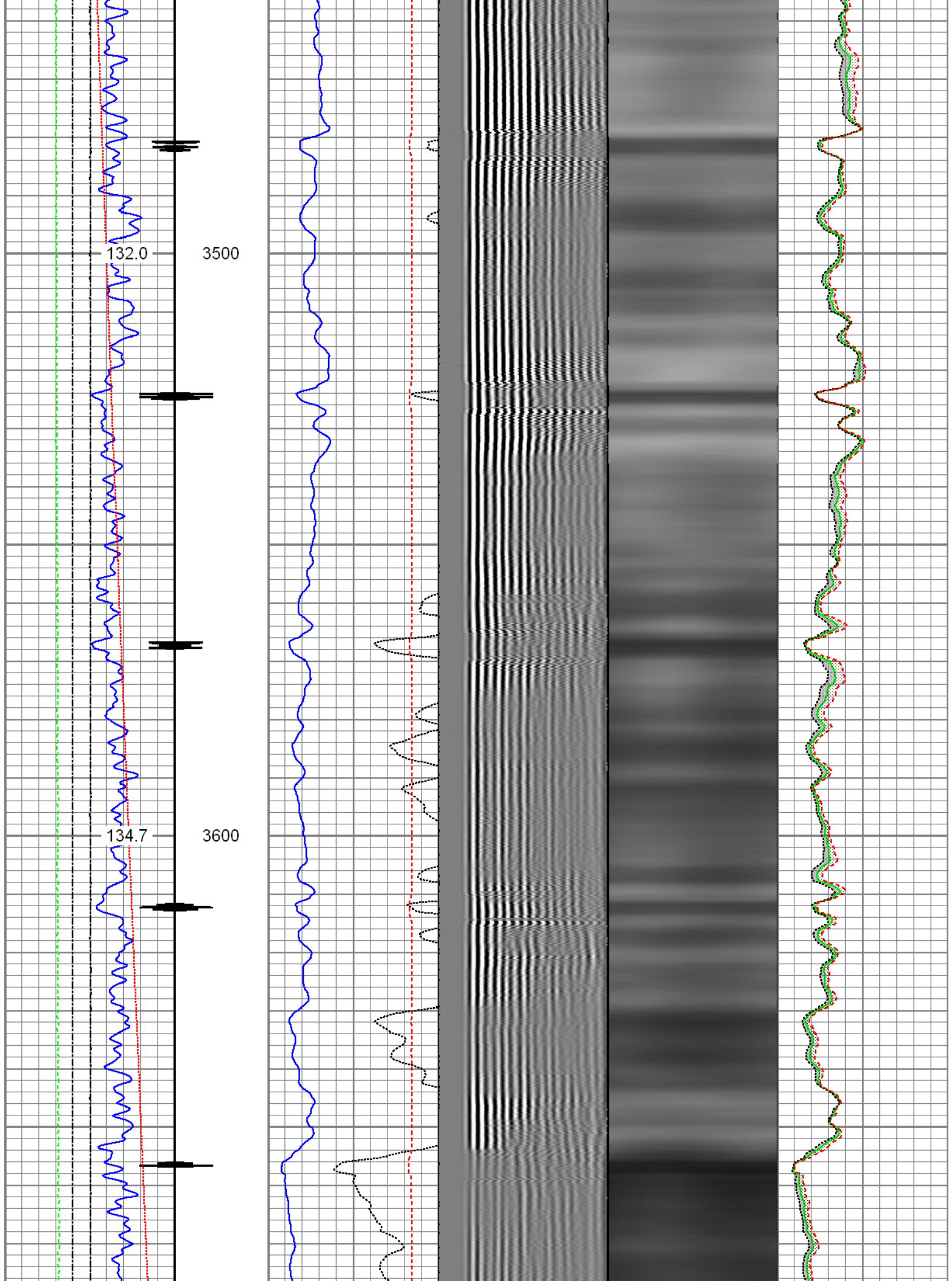


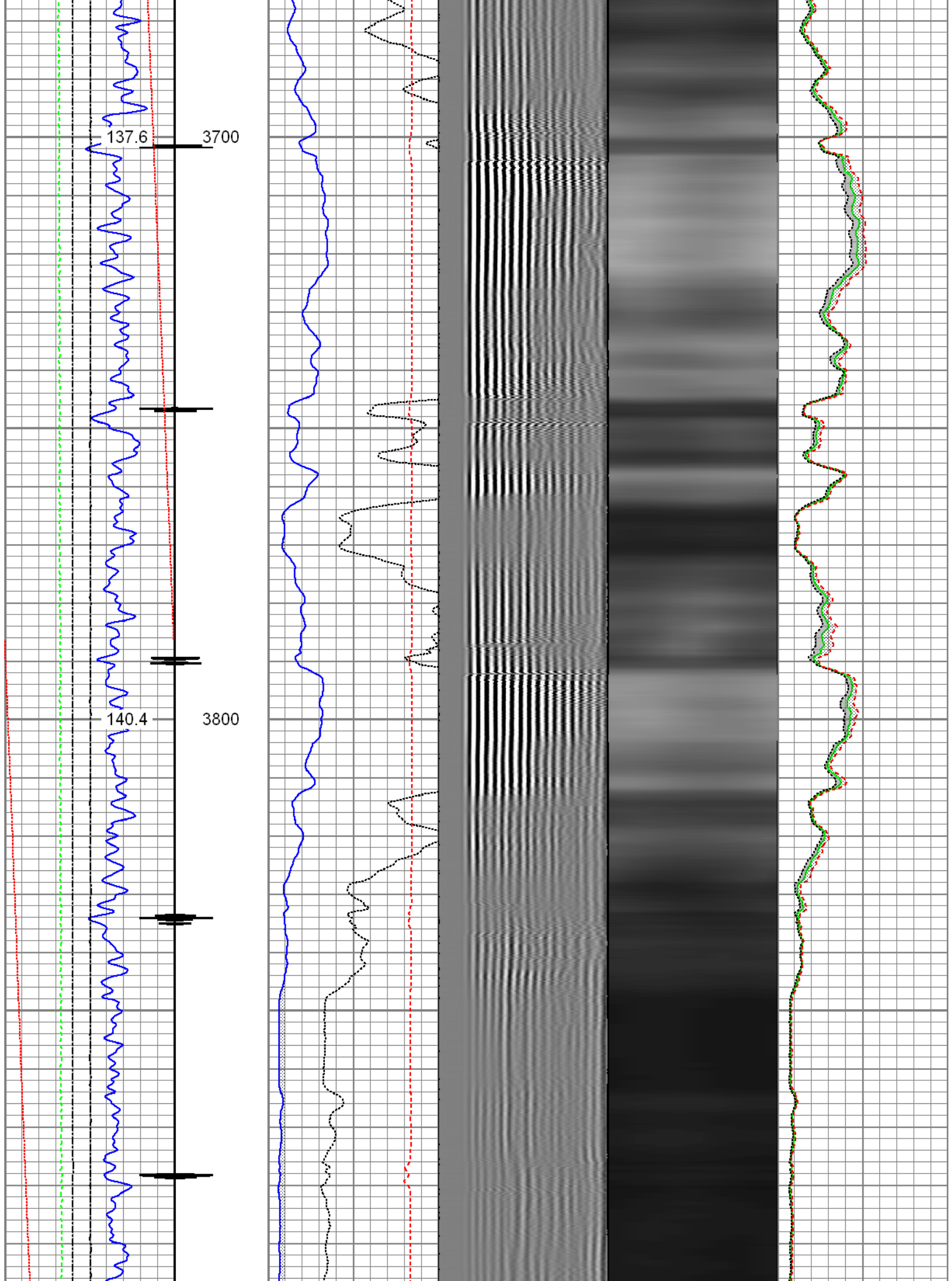


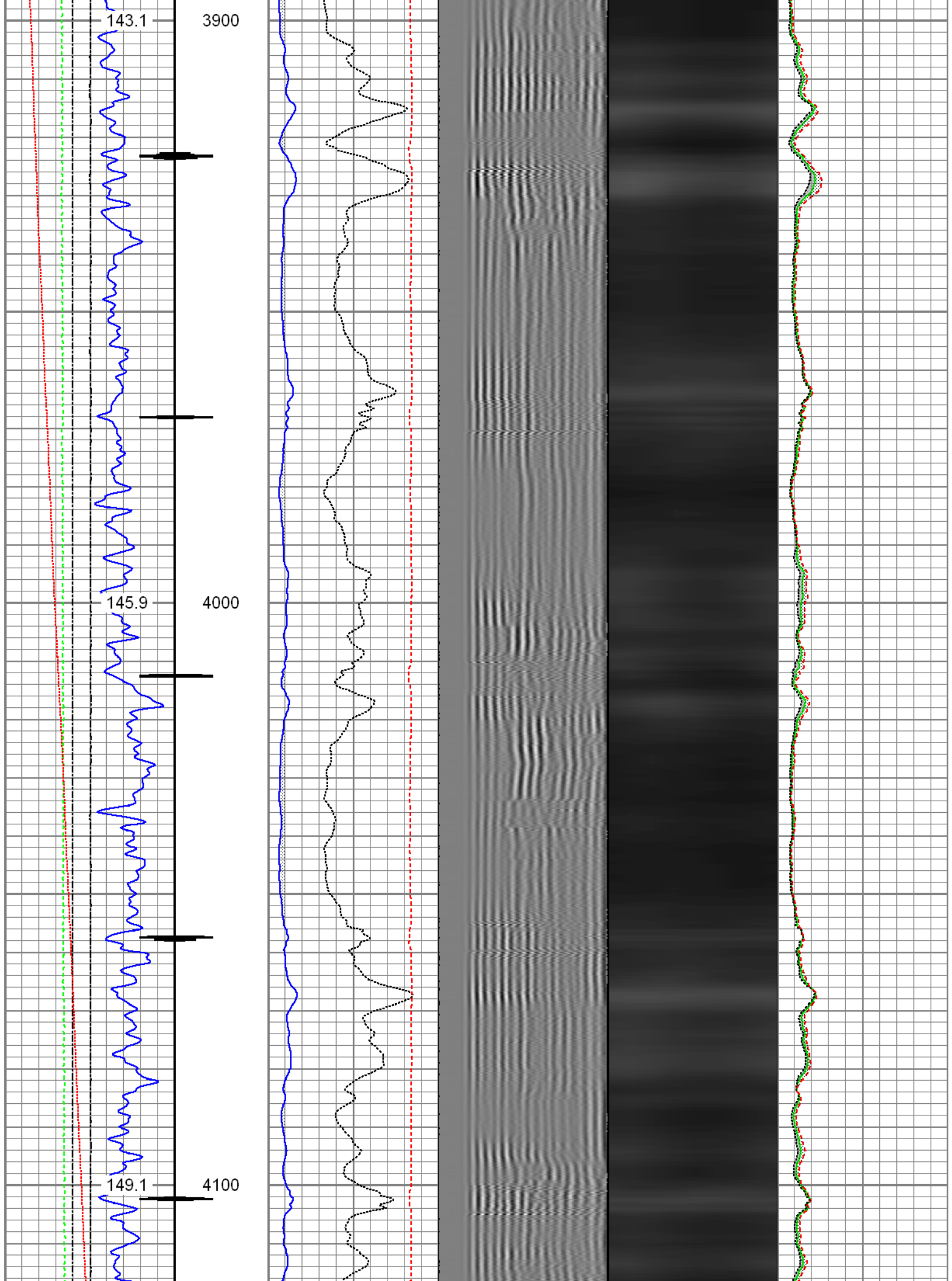


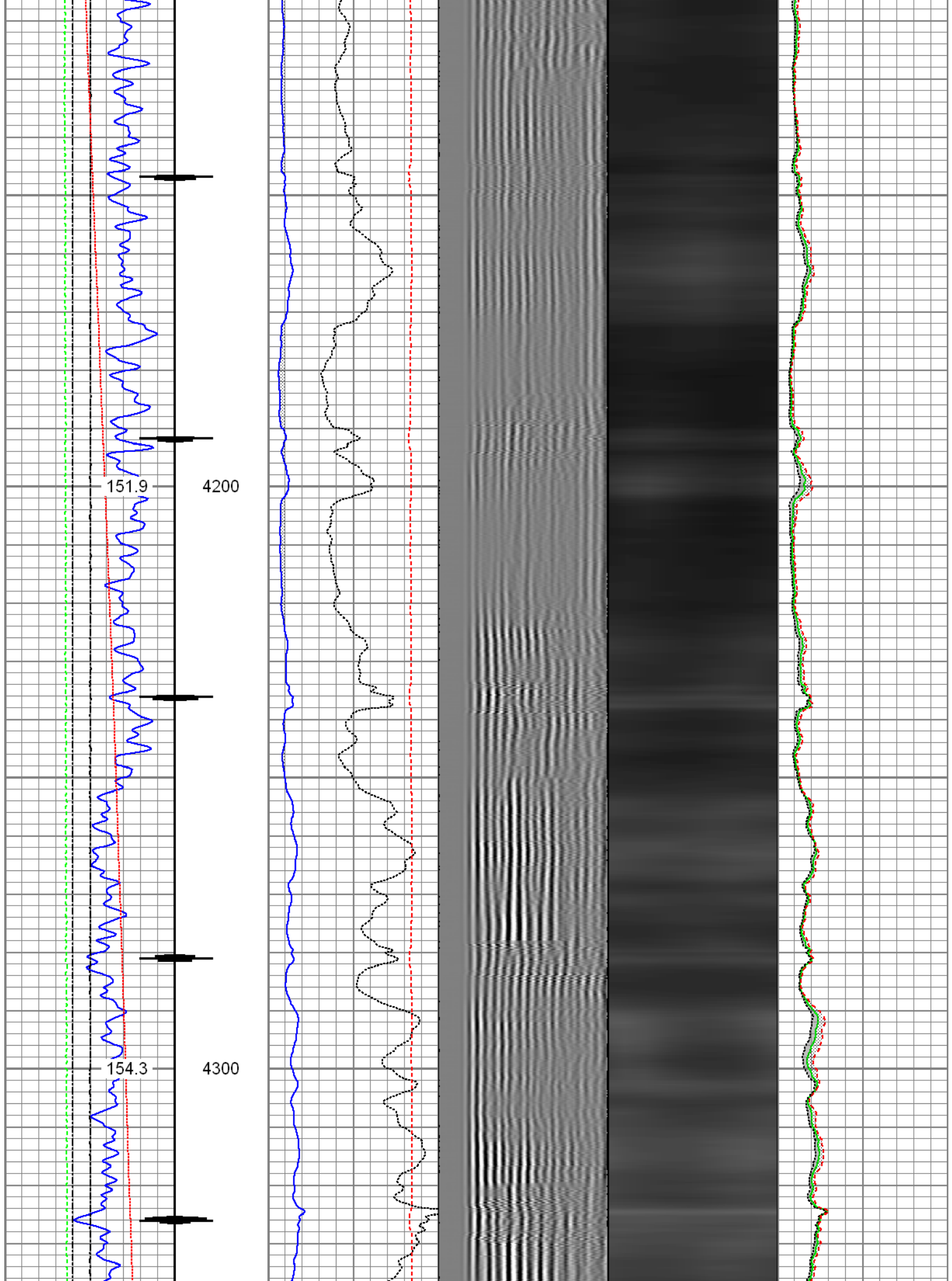


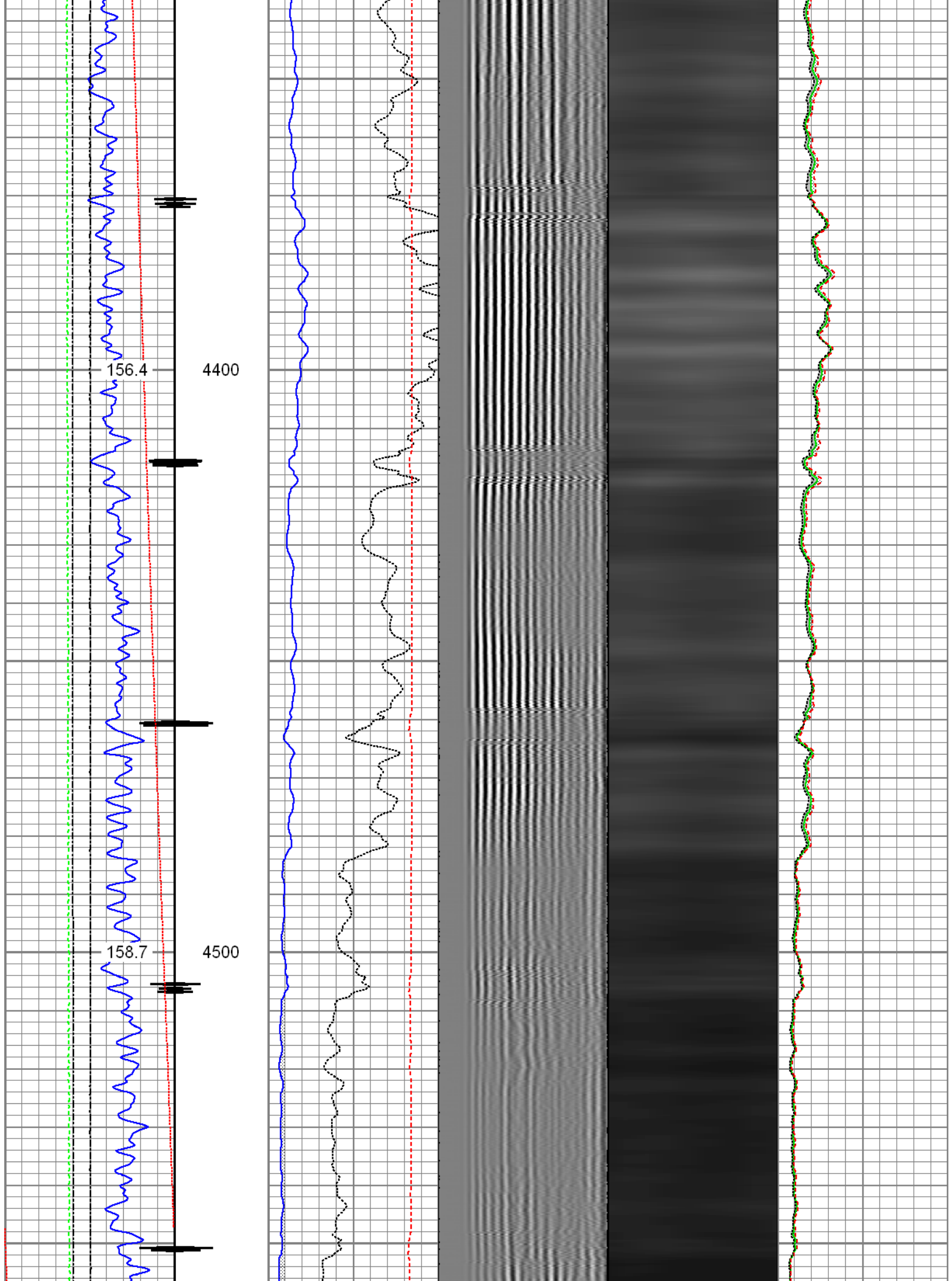


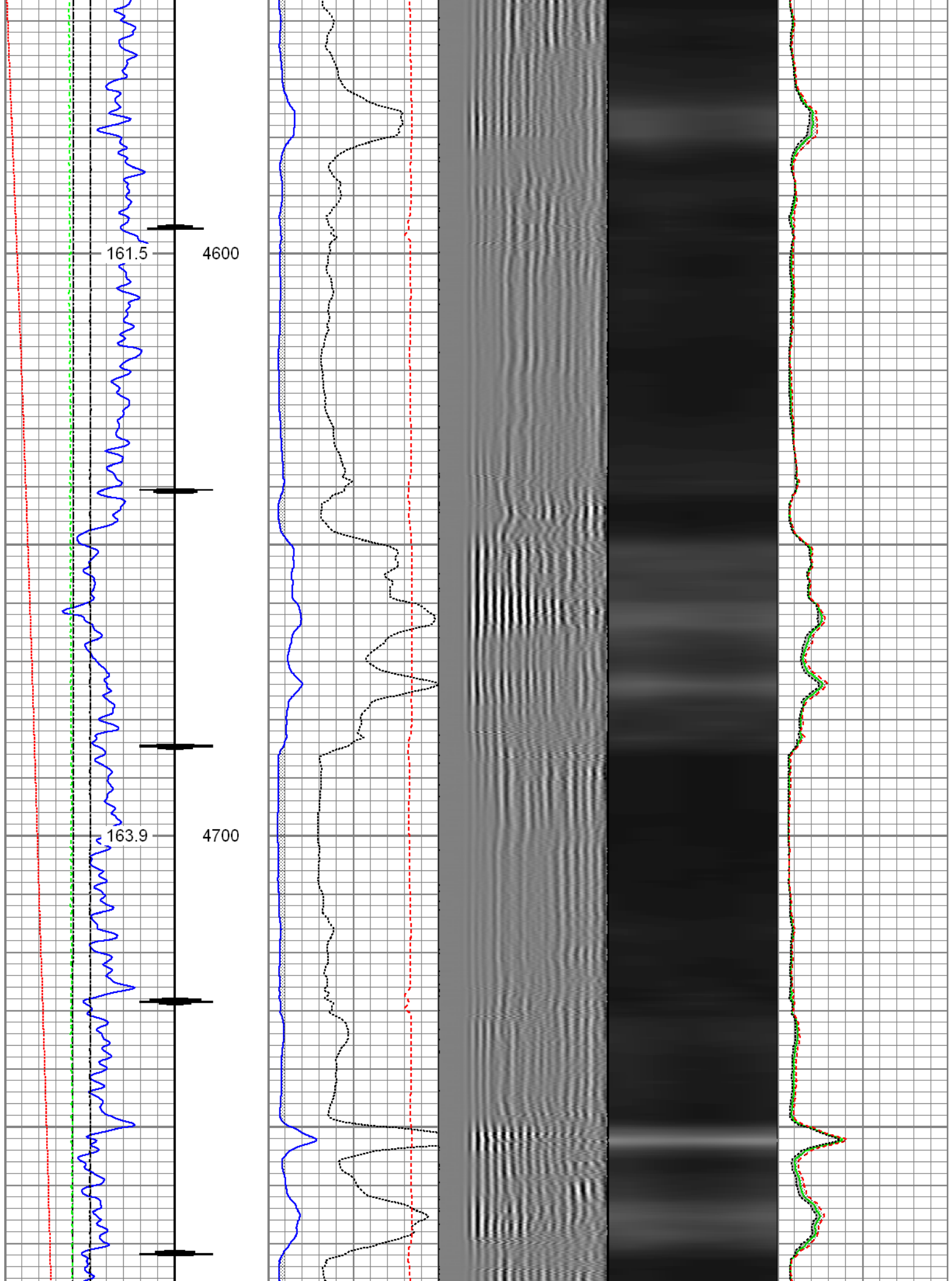


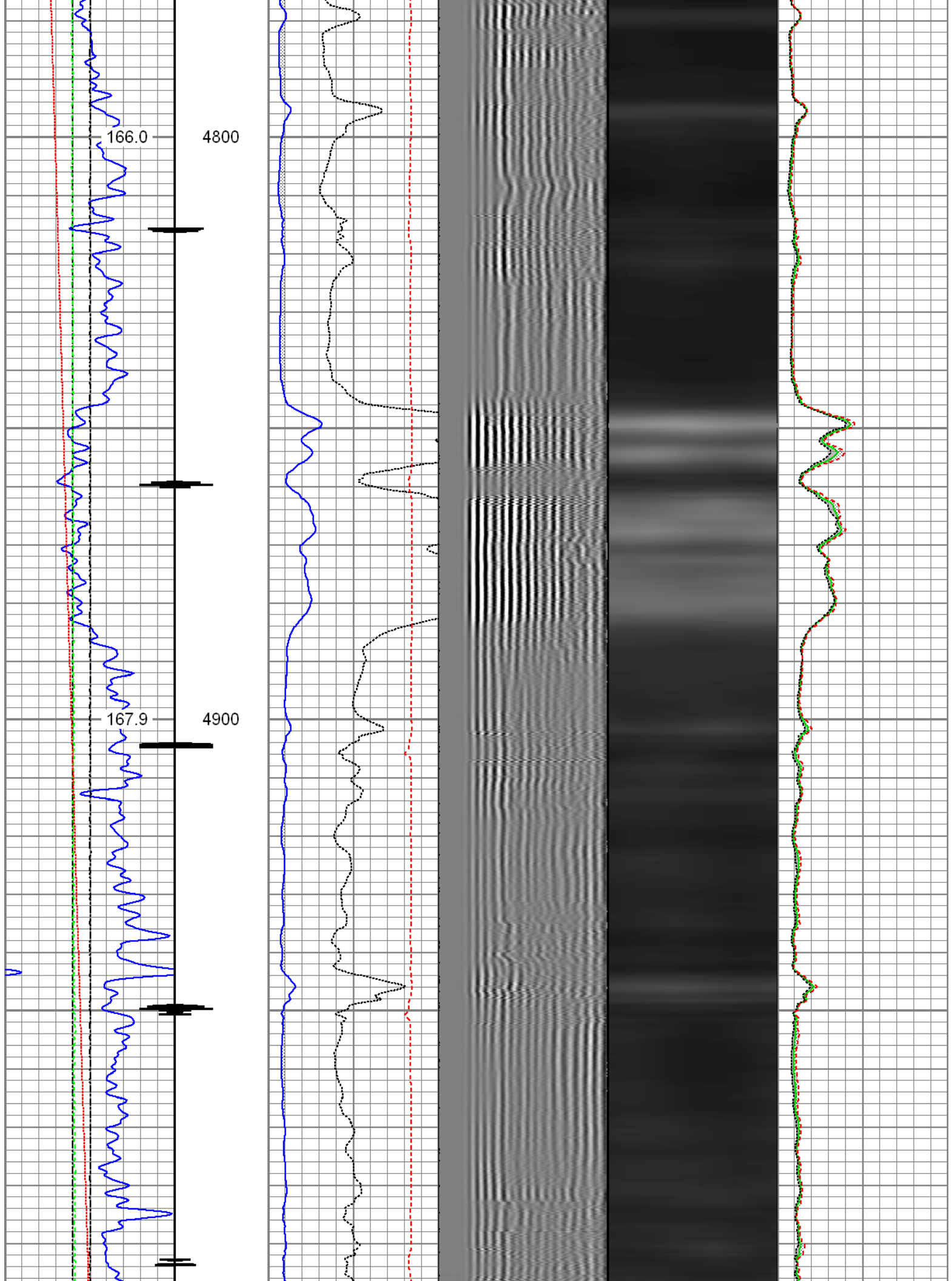


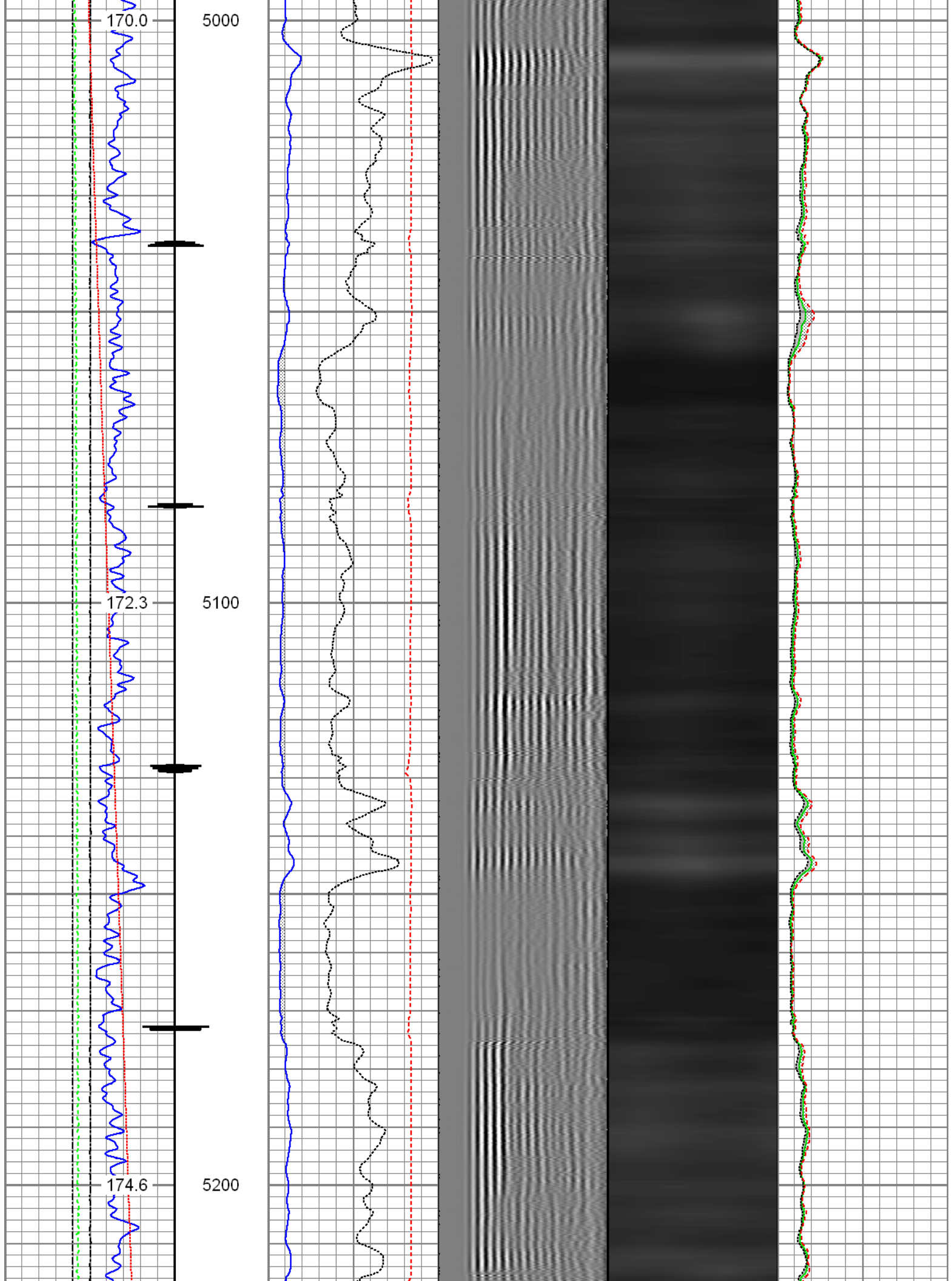


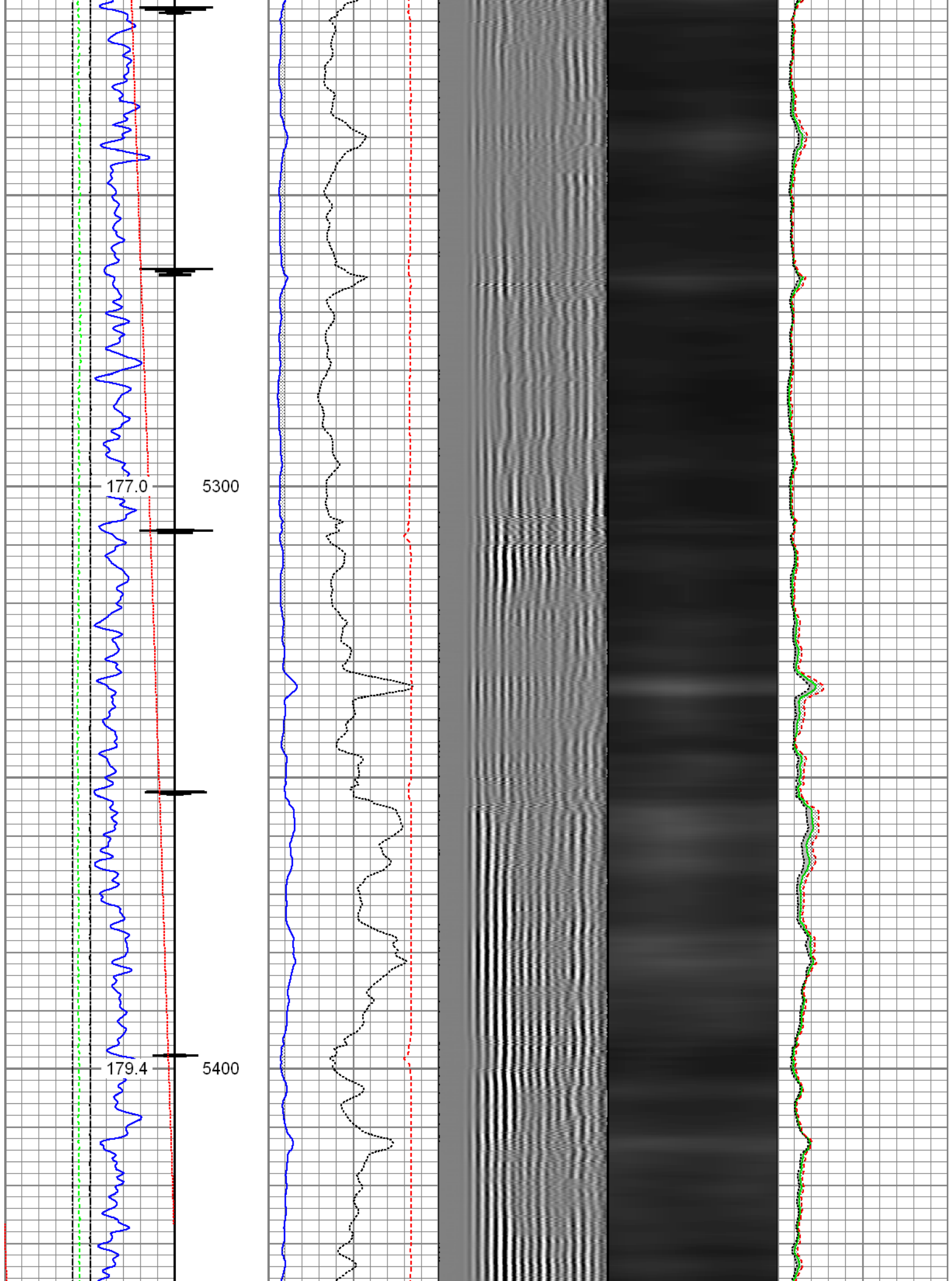


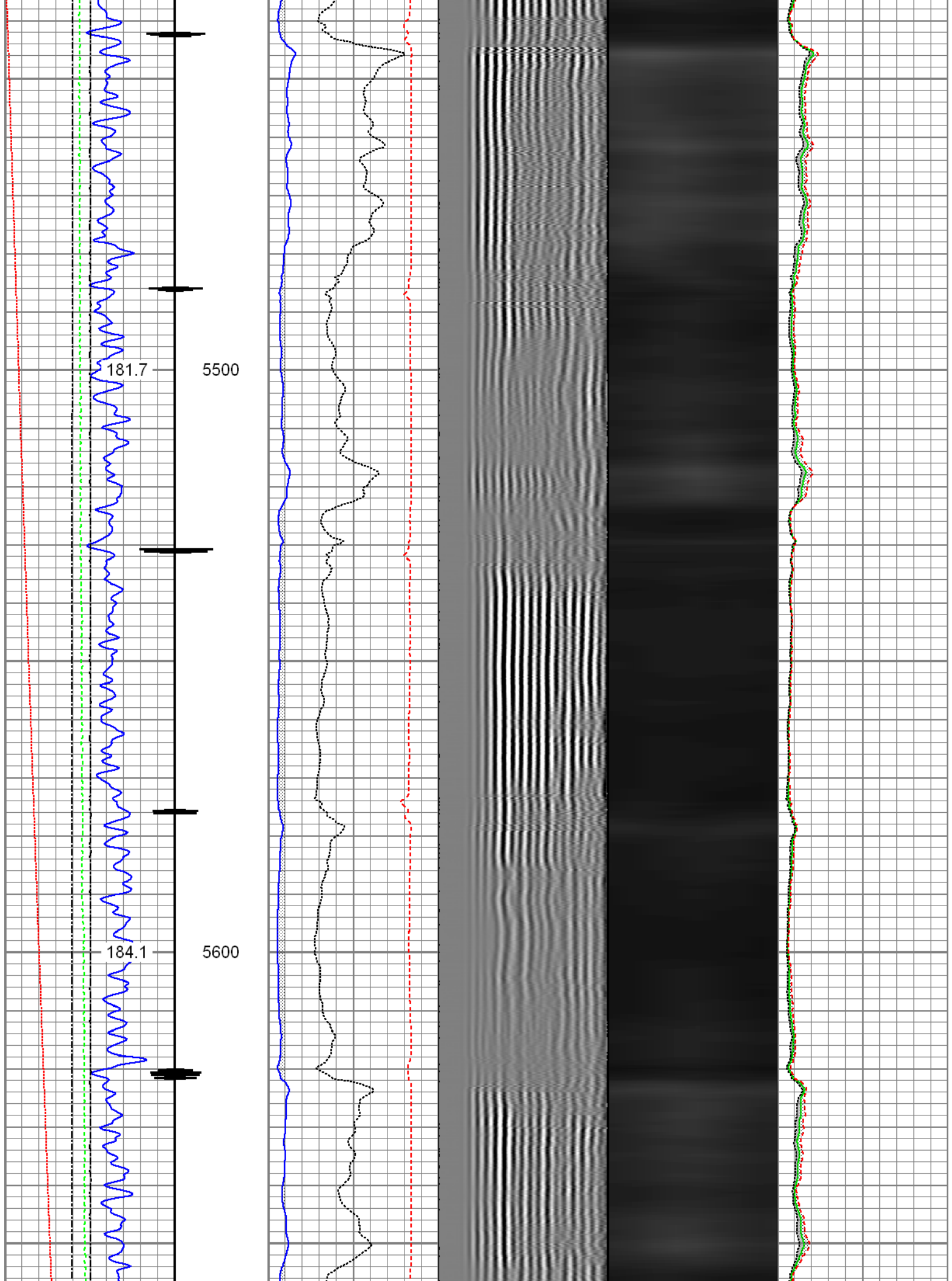


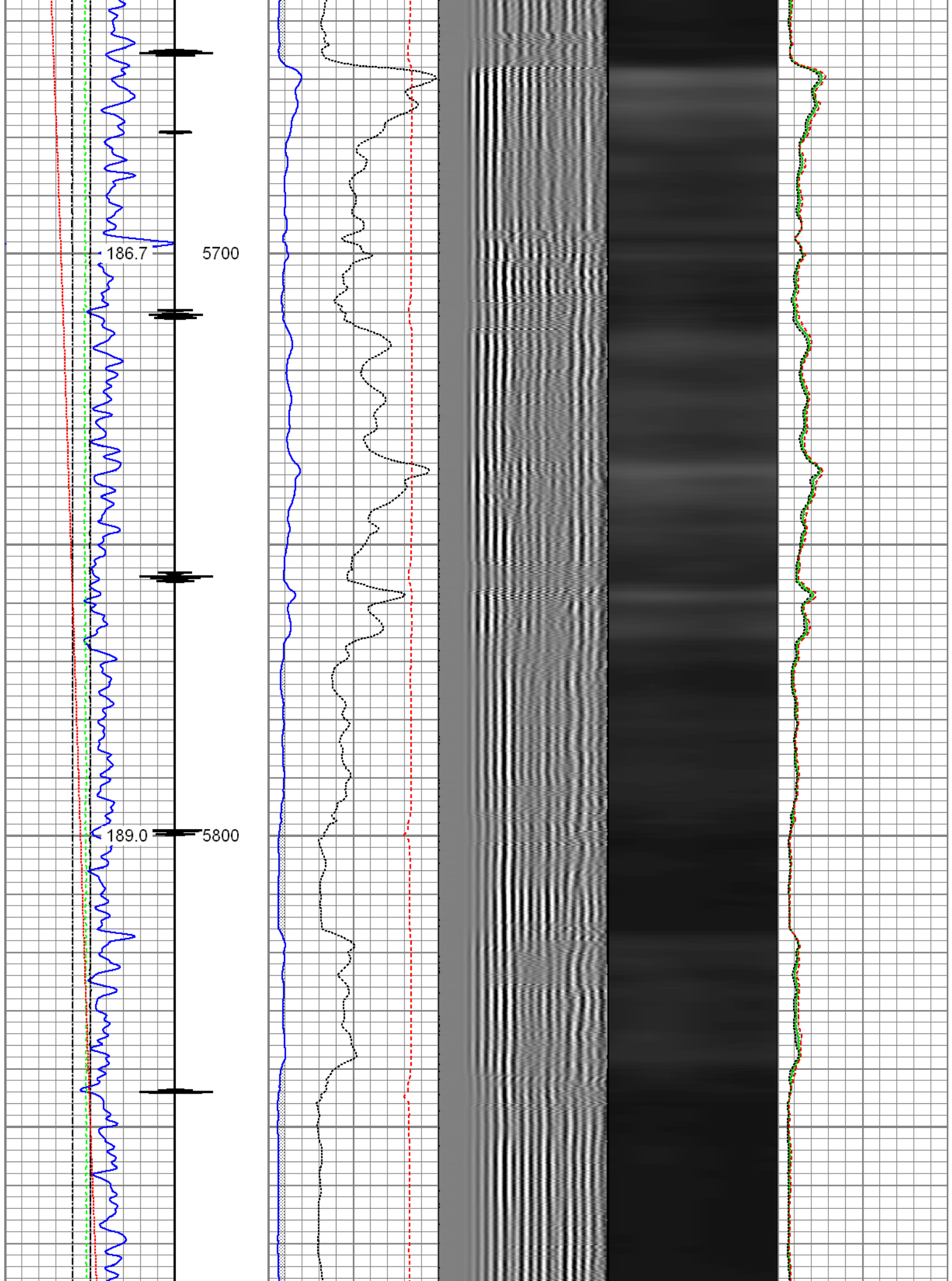


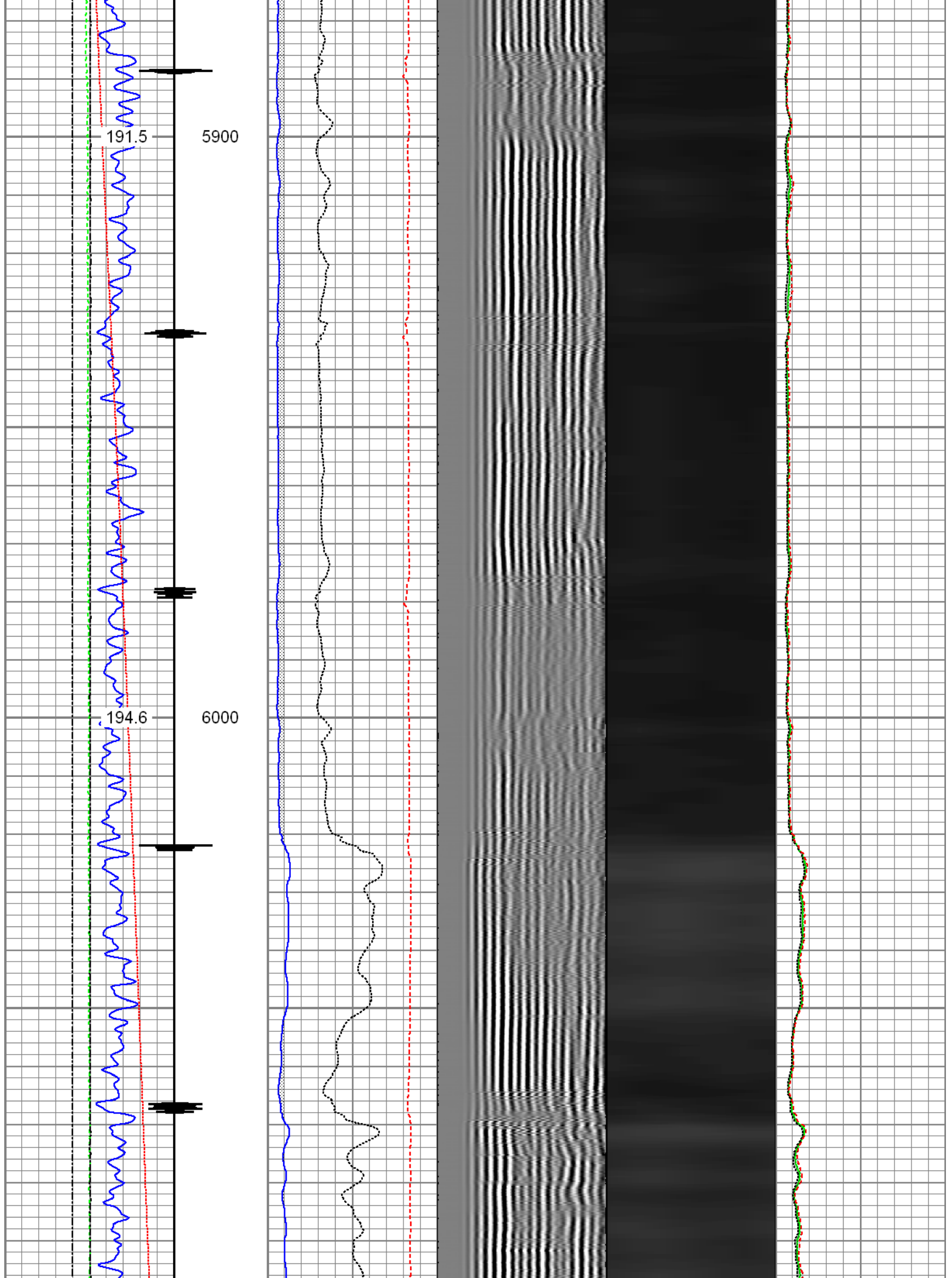


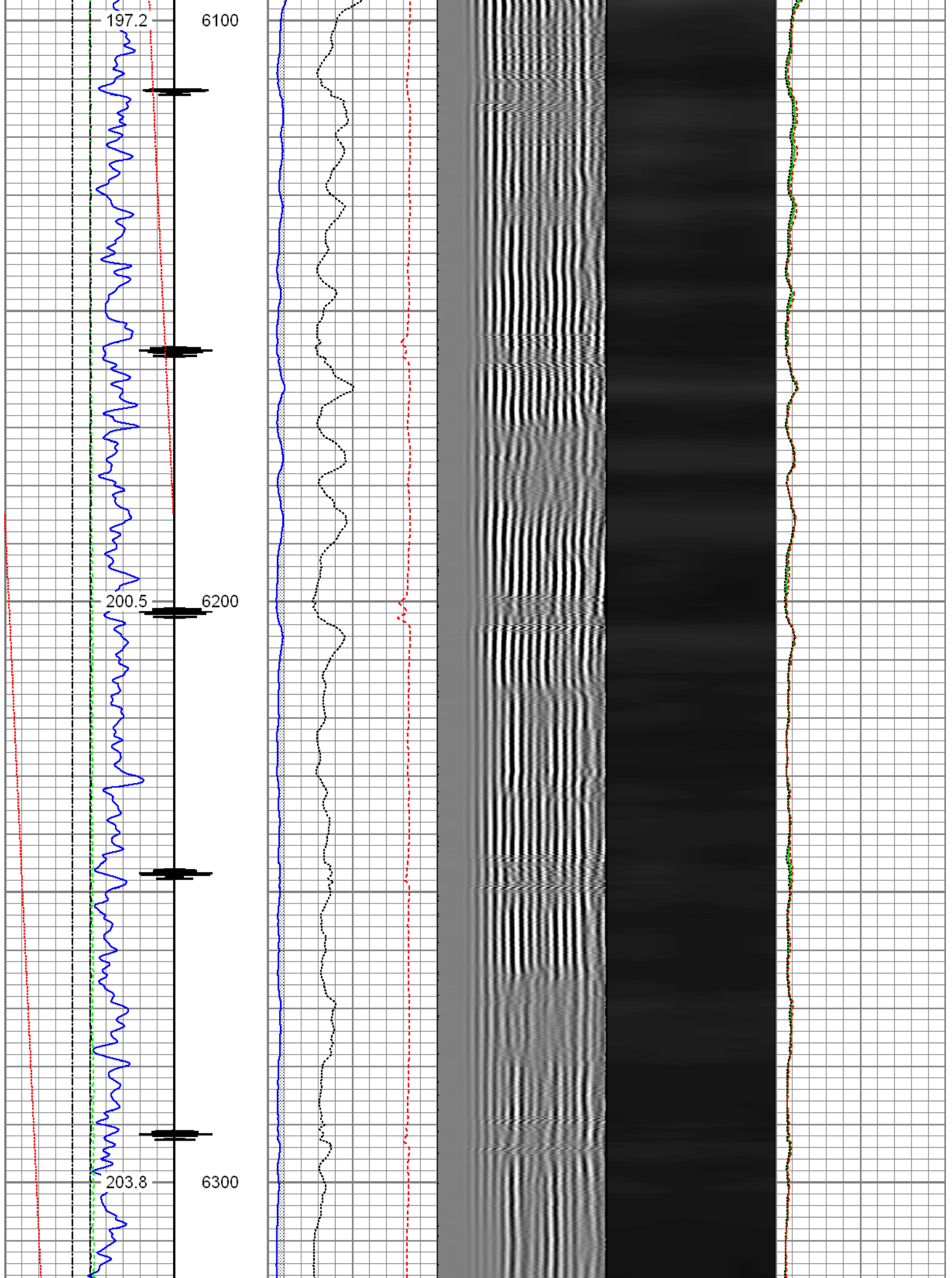


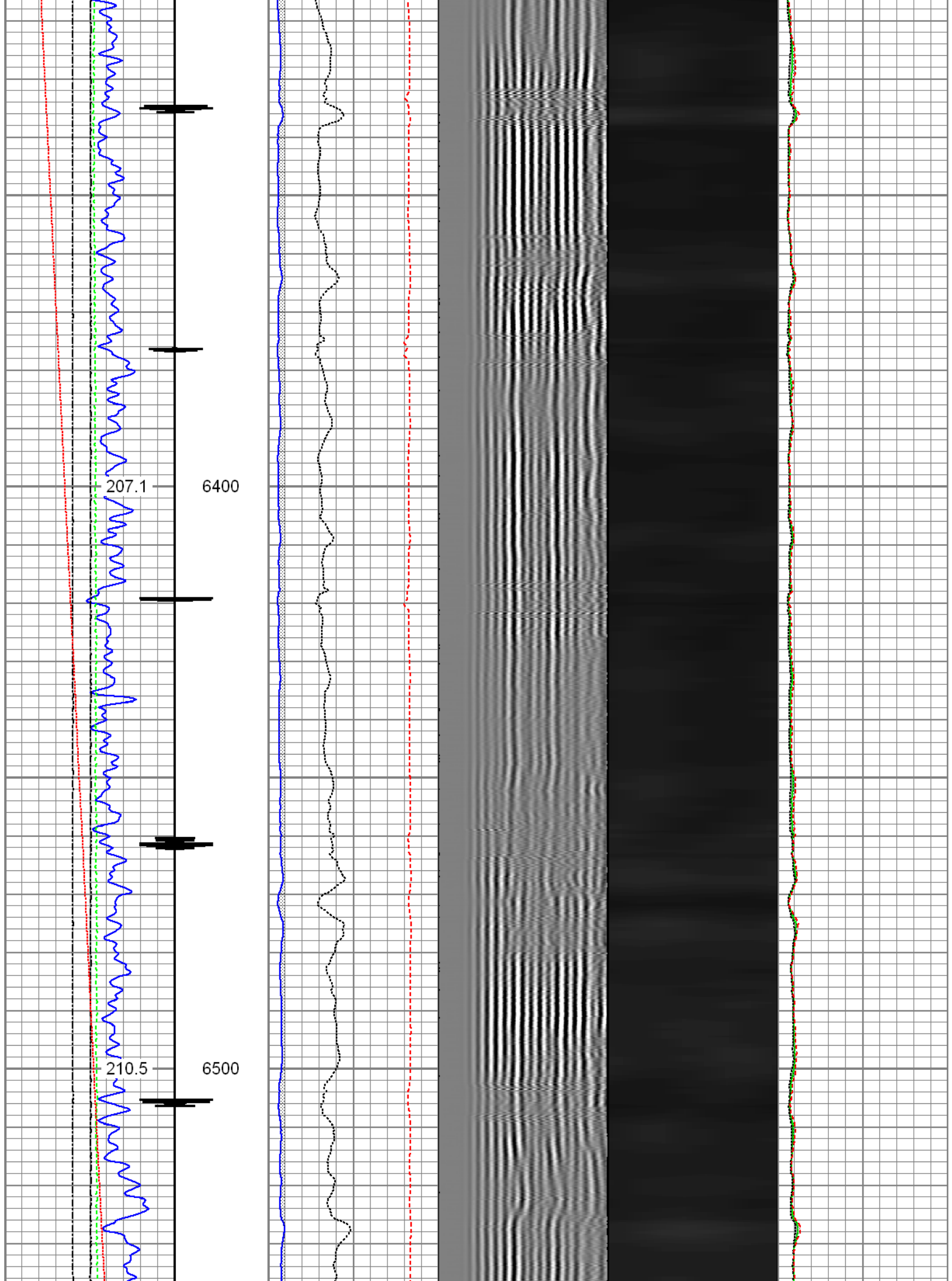


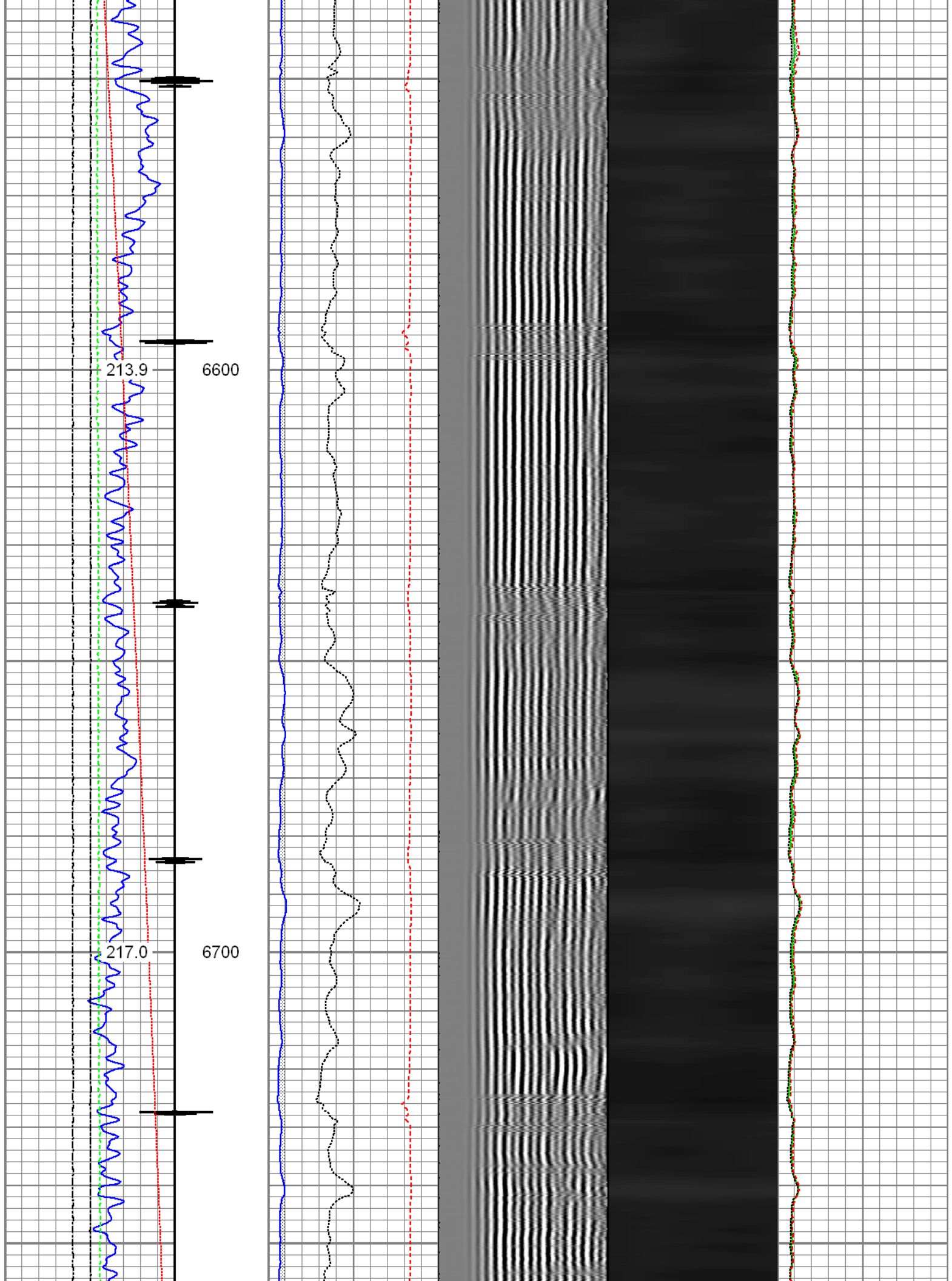


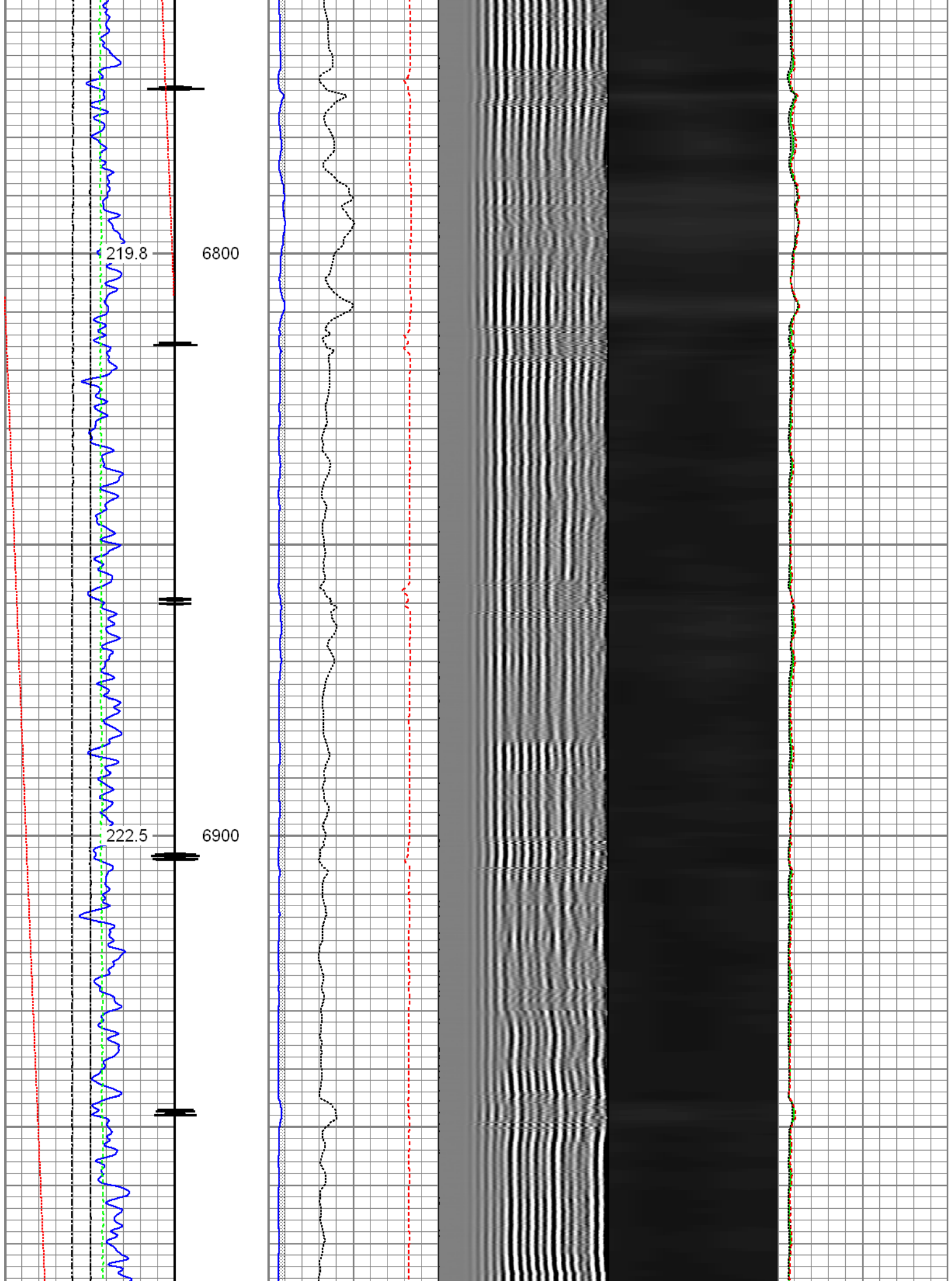


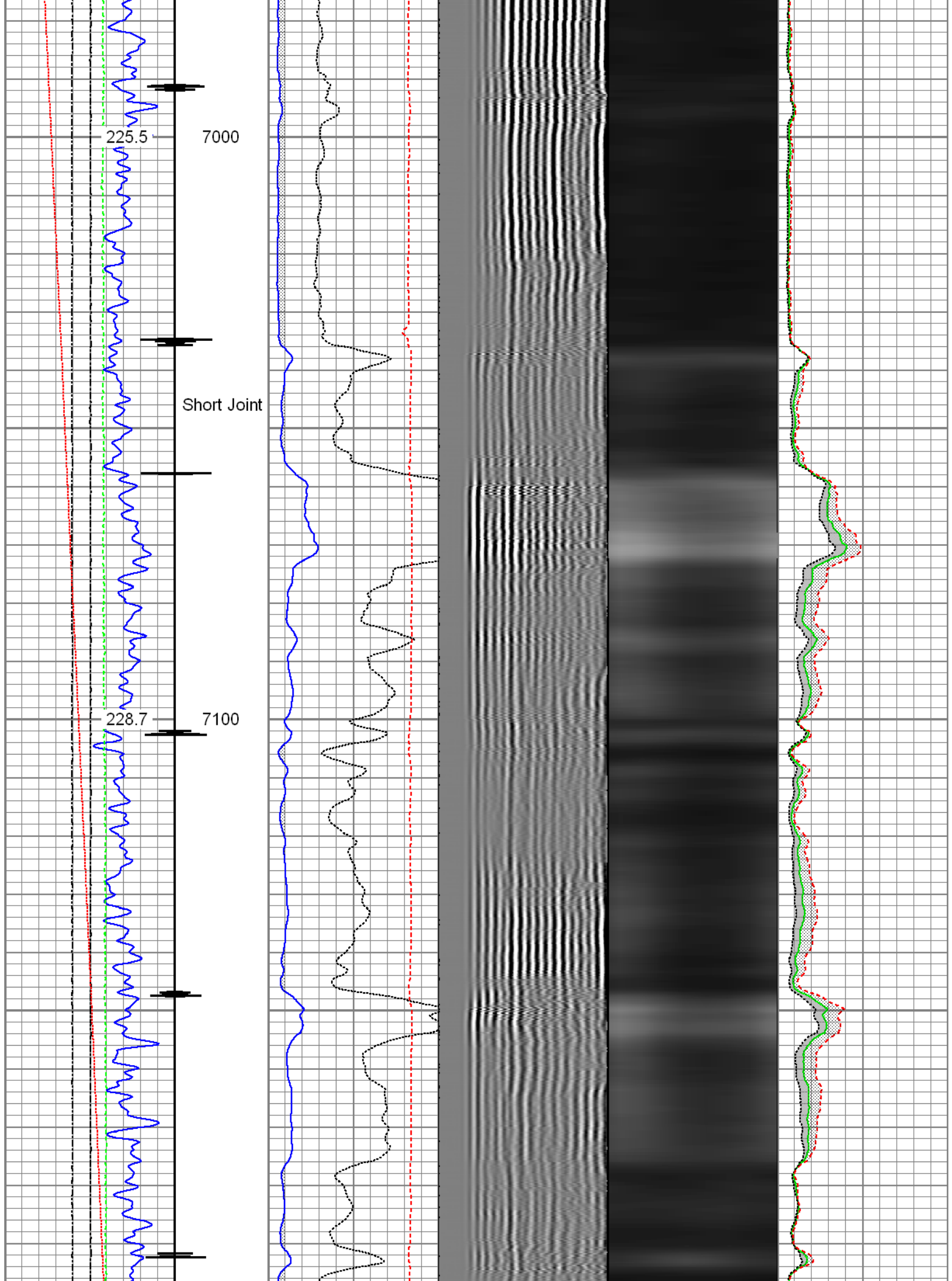


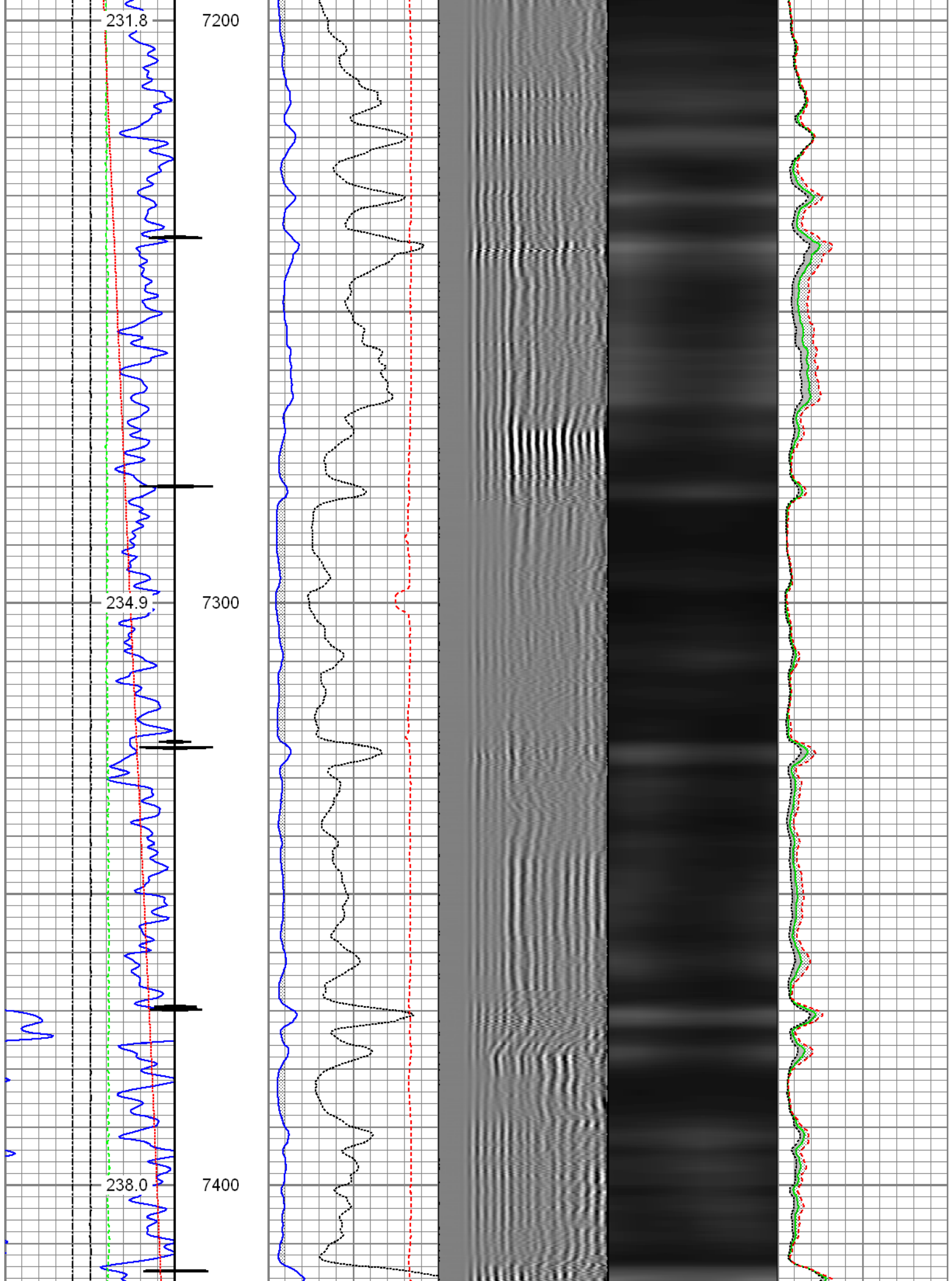


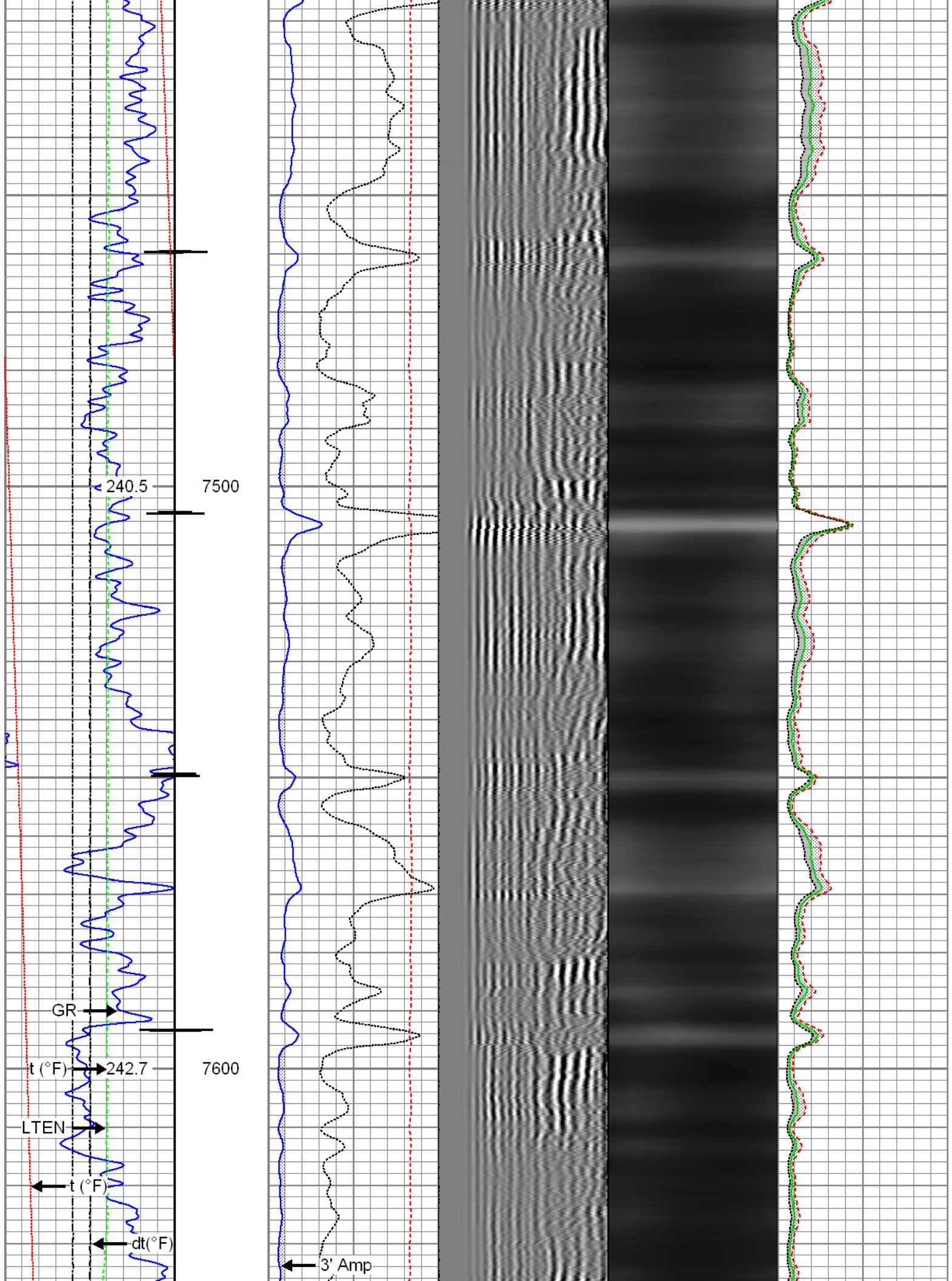


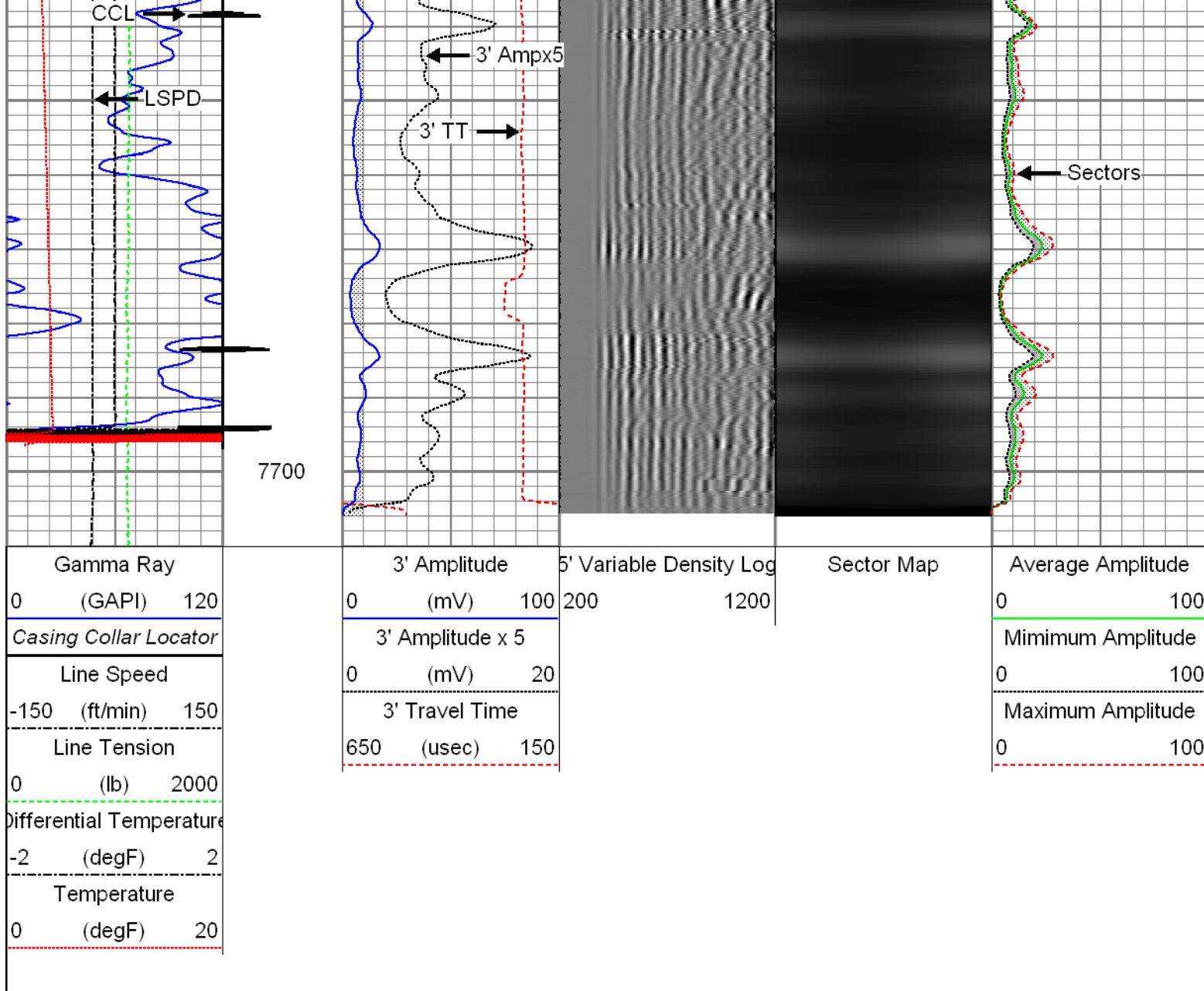





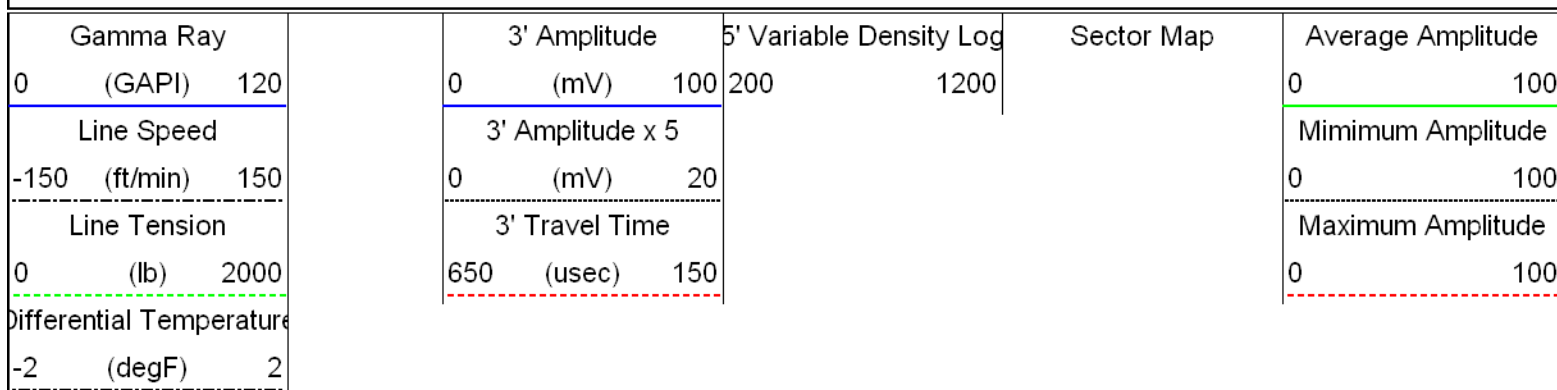


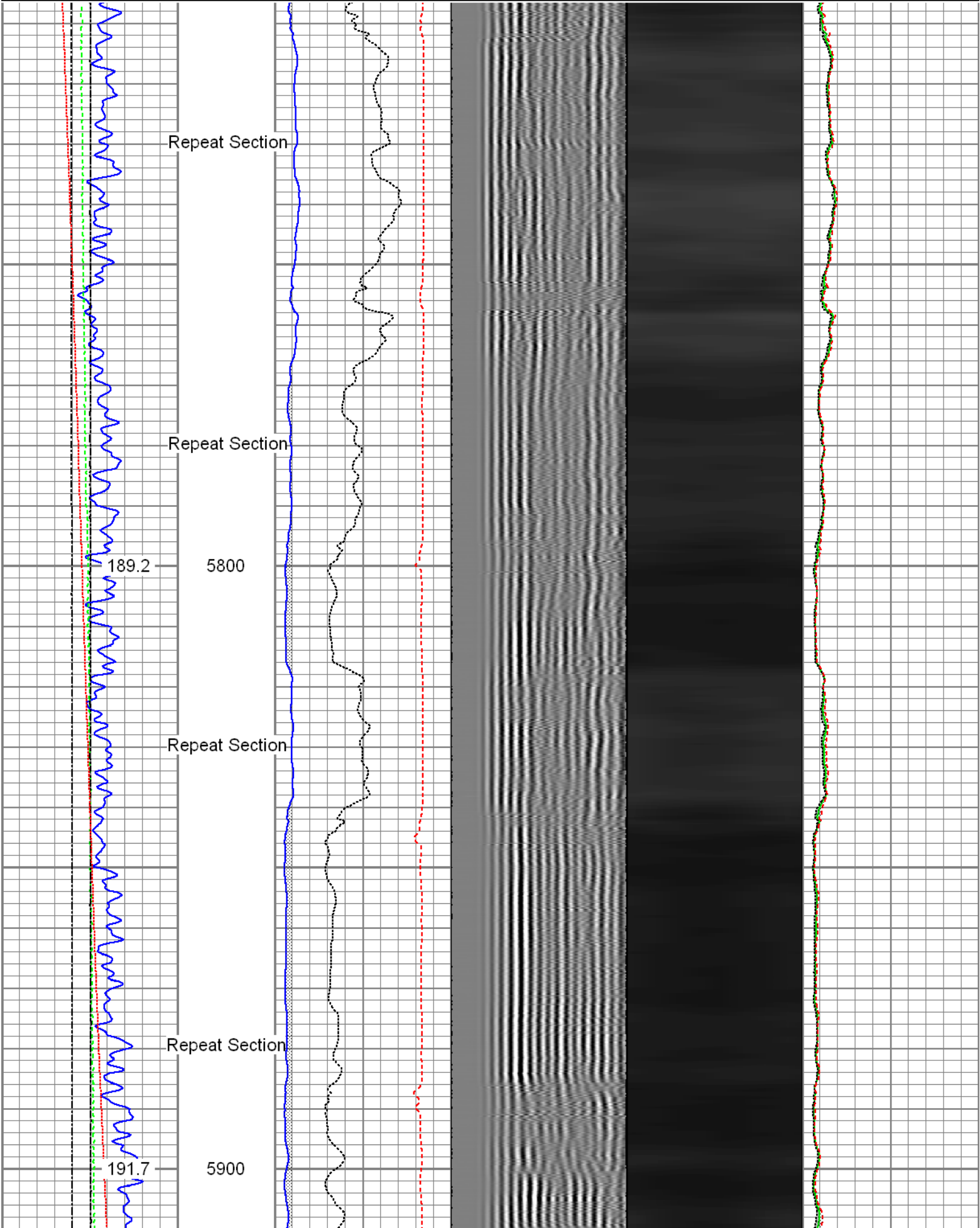
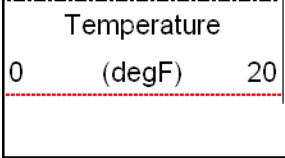


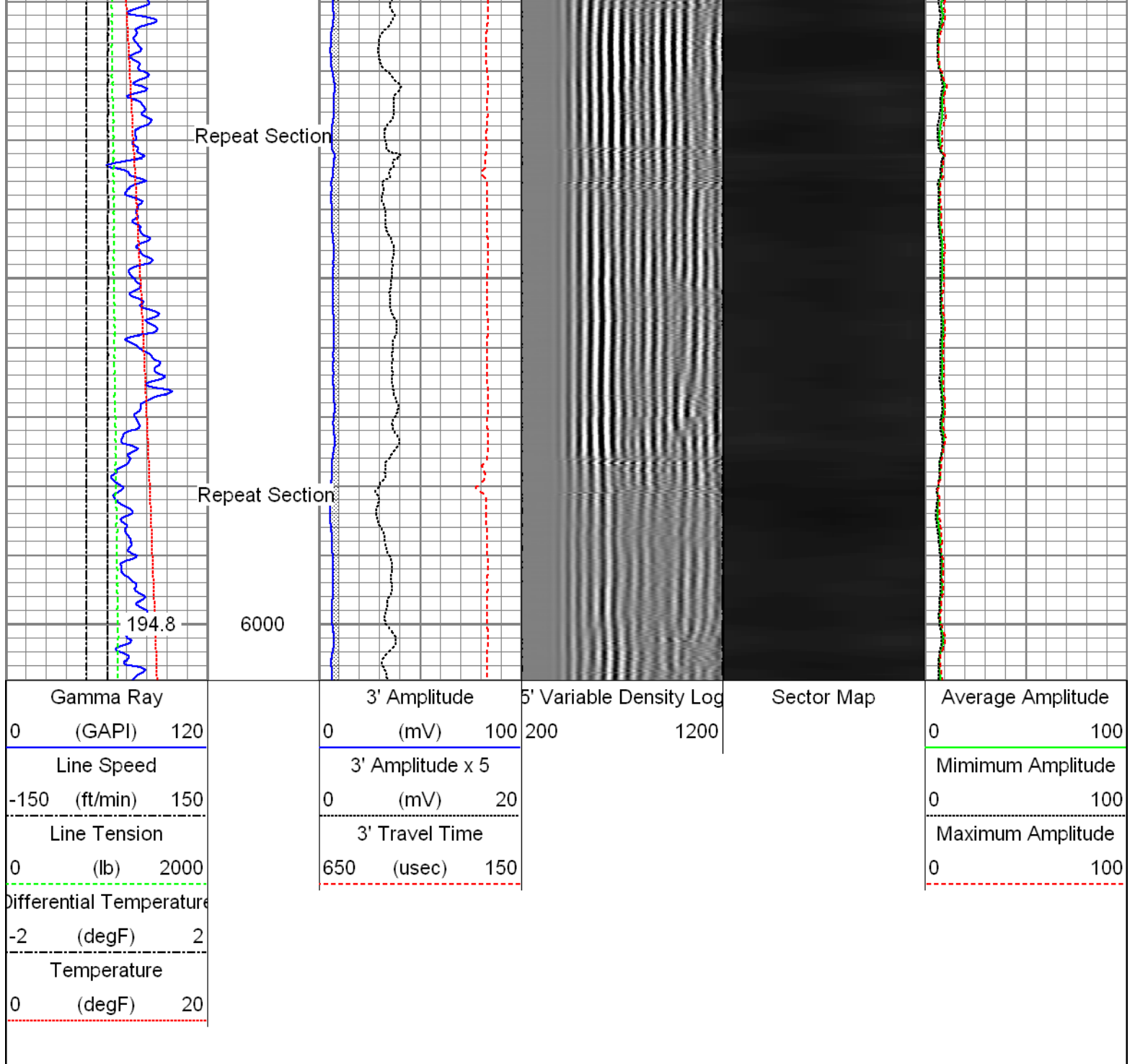




	<h2>Repeat Pass</h2> <p>Recorded with 2800 PSI Surface Induced Pressure</p>
<p>Database File:</p> <p>Dataset Pathname:</p> <p>Presentation Format:</p> <p>Dataset Creation:</p> <p>Charted by:</p>	<p>c:\warrior\data\0512341795_anadarko_tedford 3c-28hz_10-21-15_rbl_cn\0512341795_anadarko_tec</p> <p>pass5</p> <p>rbt003</p> <p>Wed Oct 21 13:23:27 2015 by Log 7.0 B1</p> <p>Depth in Feet scaled 1:240</p>







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
			UW_XTU-UW_XTU_002 (219135) Crossover Ultrawire Toolbus to Ultralink	1.58	1.69	6.50
			UW_AGS-UW_AGS_001 (215017) Sondex Adapter - GO Box to Sondex Pin	0.21	1.69	1.00
GR	24.77		UW_PGR-UW_PGR_020 (10013902) Production Gamma Ray	1.93	1.69	9.50
TEMP	23.37		UW_PRT-UW_PRT_016 (10025095) Platinum Resistance Thermometer	1.04	1.69	5.20
CCL	22.12		UW_CCL-UW_CCL_028 (10009470) Ultrawire 3-1/8" CCL	1.61	3.13	36.00

Tool Joint	Tool Joint Length (ft)	Tool Joint Weight (lb)	Tool Joint O.D. (in)	Tool Joint ID (in)	Tool Joint Weight (lb)	Tool Joint O.D. (in)	Tool Joint ID (in)
UW_PRC #3 -DSSRAC (080) 2-3/4" DSS 5 Arm Roller Centralizer	2.55	2.75	32.00				
UW_RBT-UW_RBT_004 (10013454) Sondex Ultrawire 3-1/8" Radial Bond Tool	9.47	3.13	140.00				
UW_PRC-UW_PRC_057 (1037) Sondex 2-3/4" 4-Arm Production Roller Centraliser	2.98	2.75	32.00				
CNL-007 (1005) Compensated Neutron Logging Tool	6.61	1.69	30.00				
CNLSC	1.53						
CNSSC	1.12						
TSTAMP	0.00						
Dataset: 0512341795_Anadarko_Tedford 3C-28HZ_10-21-15_RBL_CNL.db: field/well/run1/pass7 Total Length: 29.01 ft Total Weight: 296.20 lb O.D.: 3.13 in							

Ratio	Measured	Reference
CNRAT Gain K	0.8150	Sleeve: 1.0000
	1.0271	
Before Survey		
Detector	Readings	
Short Space		cps
Long Space		cps
Ratio	Measured	Reference
After Survey		
Detector	Readings	
Short Space		cps
Long Space		cps
Ratio	Measured	Reference

Segmented Cement Bond Log Calibration Report		
Serial Number:	10013454	
Tool Model:	UW_RBT_004	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	30.836	ft

Master Calibration, performed Wed Oct 21 12:46:32 2015:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3FT	0.004	1.002	1.000	71.921	71.027	0.742
5FT	-0.002	0.990	1.000	71.921	71.465	1.174
S1	0.002	1.002	0.000	100.000	100.054	-0.244
S2	0.001	1.002	0.000	100.000	99.905	-0.122
S3	0.001	1.007	0.000	100.000	99.454	-0.121
S4	0.001	1.007	0.000	100.000	99.412	-0.121
S5	0.001	1.009	0.000	100.000	99.201	-0.140
S6	0.001	1.009	0.000	100.000	99.202	-0.121
S7	0.001	0.998	0.000	100.000	100.349	-0.129
S8	0.002	1.000	0.000	100.000	100.191	-0.166

Temperature Calibration Report					
	Serial Number:	10025095			
	Tool Model:	UW_PRT_016			
	Performed:	Wed Feb 11 13:43:20 2015			
Point #	Reading		Reference		
1	12798.00	cps	68.00	degF	
2	18136.00	cps	104.00	degF	
3	29513.00	cps	176.00	degF	
4	40905.00	cps	248.00	degF	
5	52487.00	cps	320.00	degF	
6	58362.00	cps	356.00	degF	
7		cps		degF	

8
9
10

cps
cps
cps

degF
degF
degF

Gamma Ray Calibration Report

Serial Number:	10013902	
Tool Model:	UW_PGR_020	
Performed:	Sun Jun 13 13:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps



Company	Kerr-McGee Oil and Gas Onshore LP
Well	Tedford 3C-28HZ
Field	Wattenberg
County	Weld
State	Colorado