



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company SRC Energy Inc.				Company SRC Energy Inc.			
Well Beebe 23C-26-M				Well Beebe 23C-26-M			
Field Wattenberg				Field Wattenberg			
County Weld				County Weld			
State Colorado				State Colorado			
Location:		API # : 05-123-44762		Other Services		JB/GR	
SEC 34 TWP 6N RGE 66W							
Permanent Datum		Ground Level		Elevation		4700'	
Log Measured From		Ground Level					
Drilling Measured From		Ground Level					
Date		18-AUG-2017					
Run Number		Two					
Depth Driller		14415 FT					
Depth Logger		6751 FT					
Bottom Logged Interval		6747 FT					
Top Log Interval		Surface					
Open Hole Size		---					
Type Fluid		Water					
Density / Viscosity		8.34 lb/gal					
Max. Recorded Temp.		218°F					
Estimated Cement Top		See Log					
Time Well Ready		ROA					
Time Logger on Bottom		10:14					
Equipment Number		HD-325					
Location		Fort Lupton, CO					
Recorded By		G. Lueck					
Witnessed By		T. Mattern					
Borehole Record				Tubing Record			
Run Number		Bit From To		Size		Weight From To	
Casing Record		Size (in)		Wgt (lbs/Ft)		Grade	
Surface Casing		9 5/8		36		---	
Intermediate #1		5 1/2		20		P-110	
Intermediate #2							
Liner							

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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

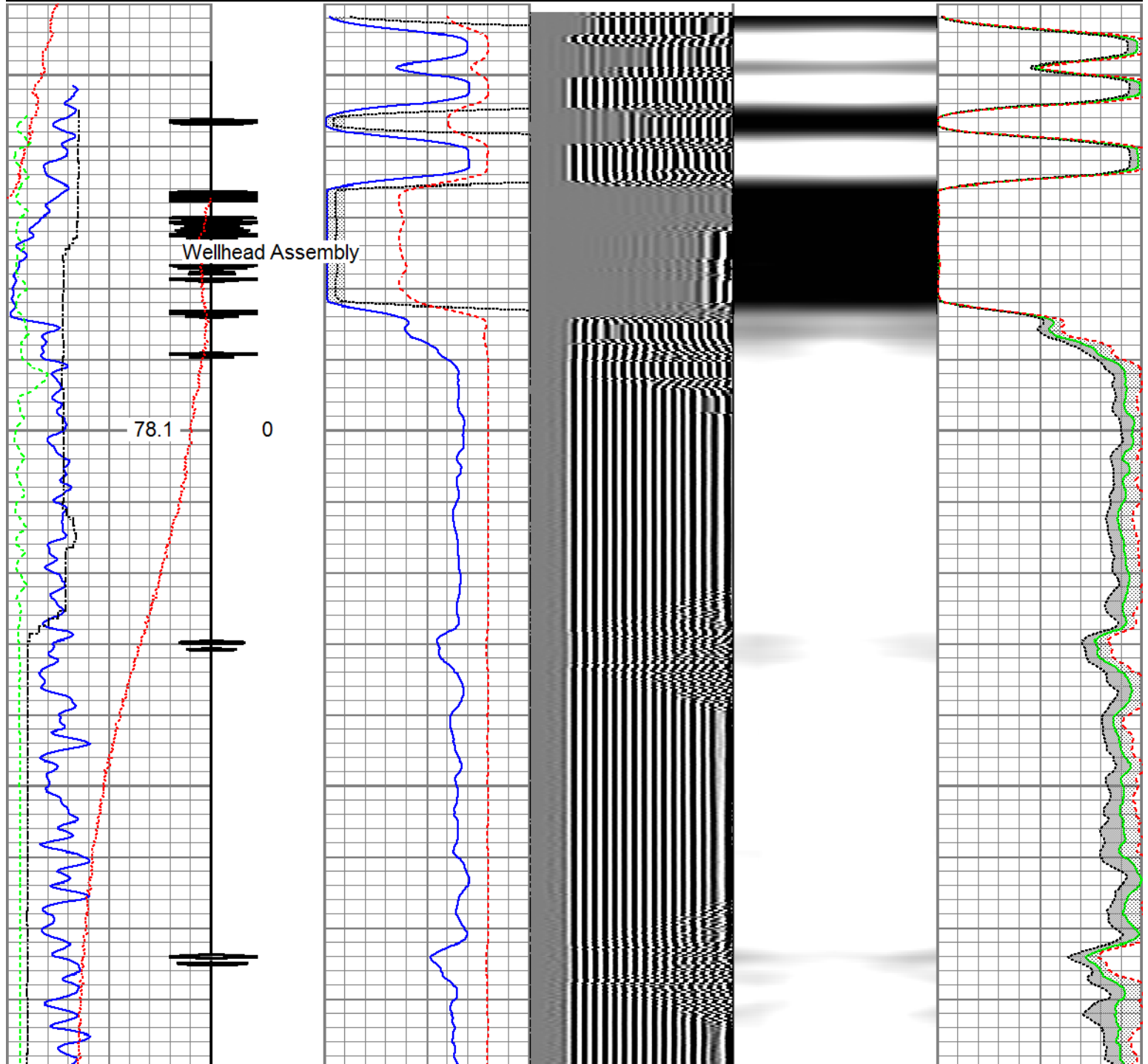
Log ran as per customer request  
Depth referenced to Casing Tally reported Marker Joint at 6684 FT  
Adjusted -12 FT to correlate with Marker Joint  
Gauge Ring/Junk Basket ran to 7588 FT with no debris  
Log ran with 2500 PSI surface induced pressure  
Logging tools were clean and free of any debris upon completion of operations  
  
Thank you for choosing Reliance Oilfield Services, LLC!!

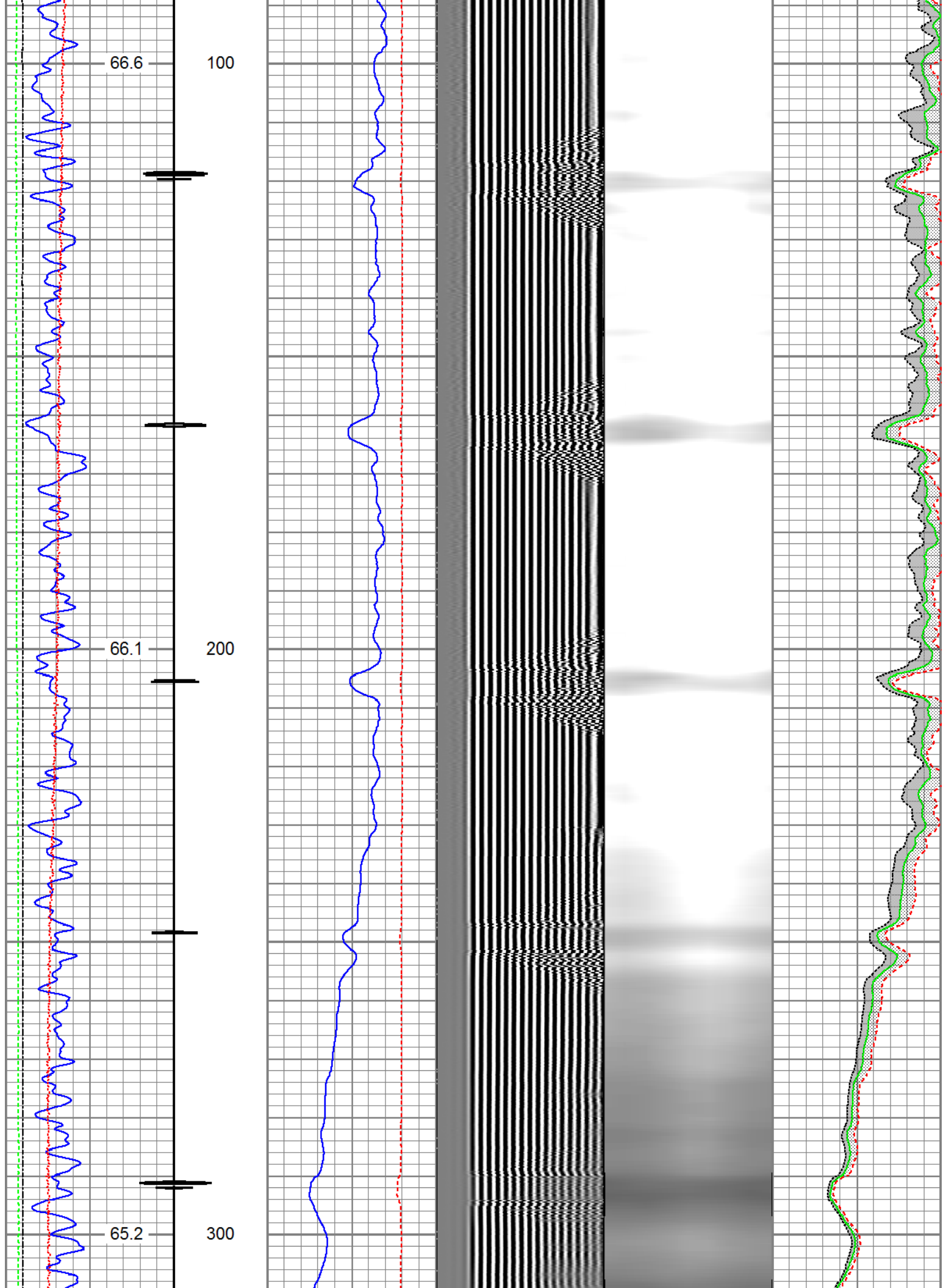


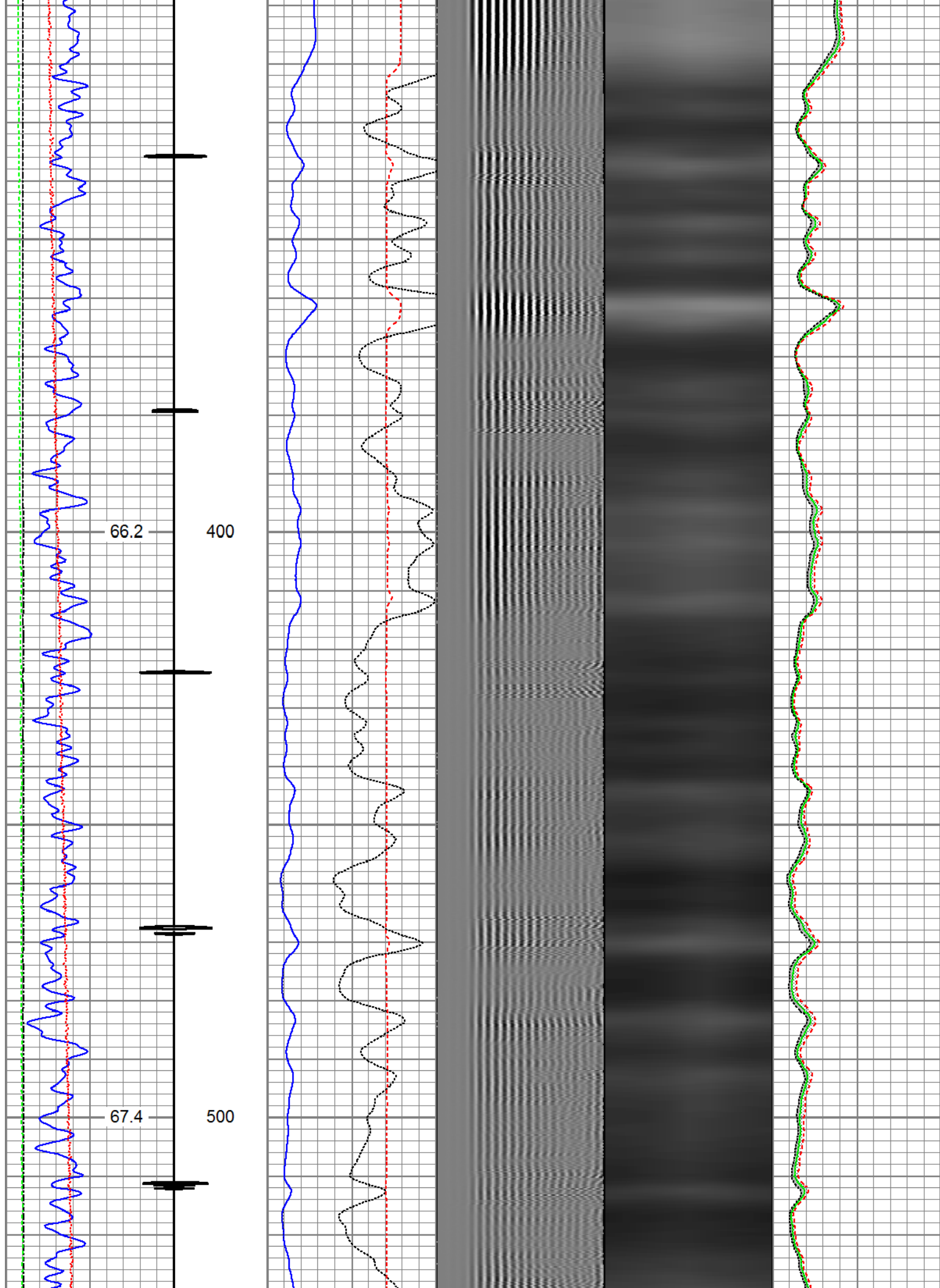
Main Pass

Recorded with 2500 PSI Surface Induced Pressure

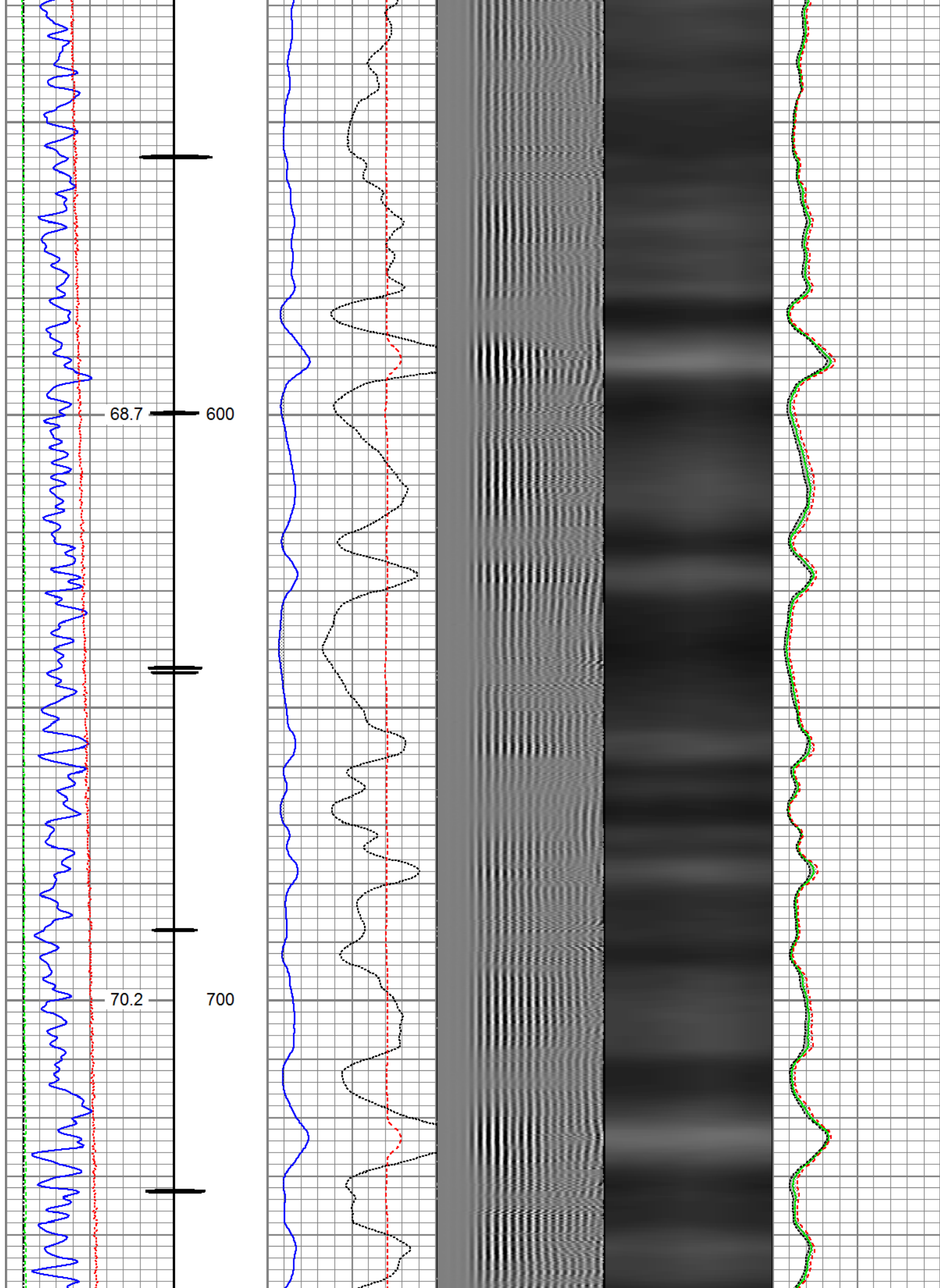
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
	0 (mV) 20			0 100
Temperature	3' Travel Time			Maximum Amplitude
0 (degF) 20	650 (usec) 150			0 100
Line Speed				
-150 (ft/min)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

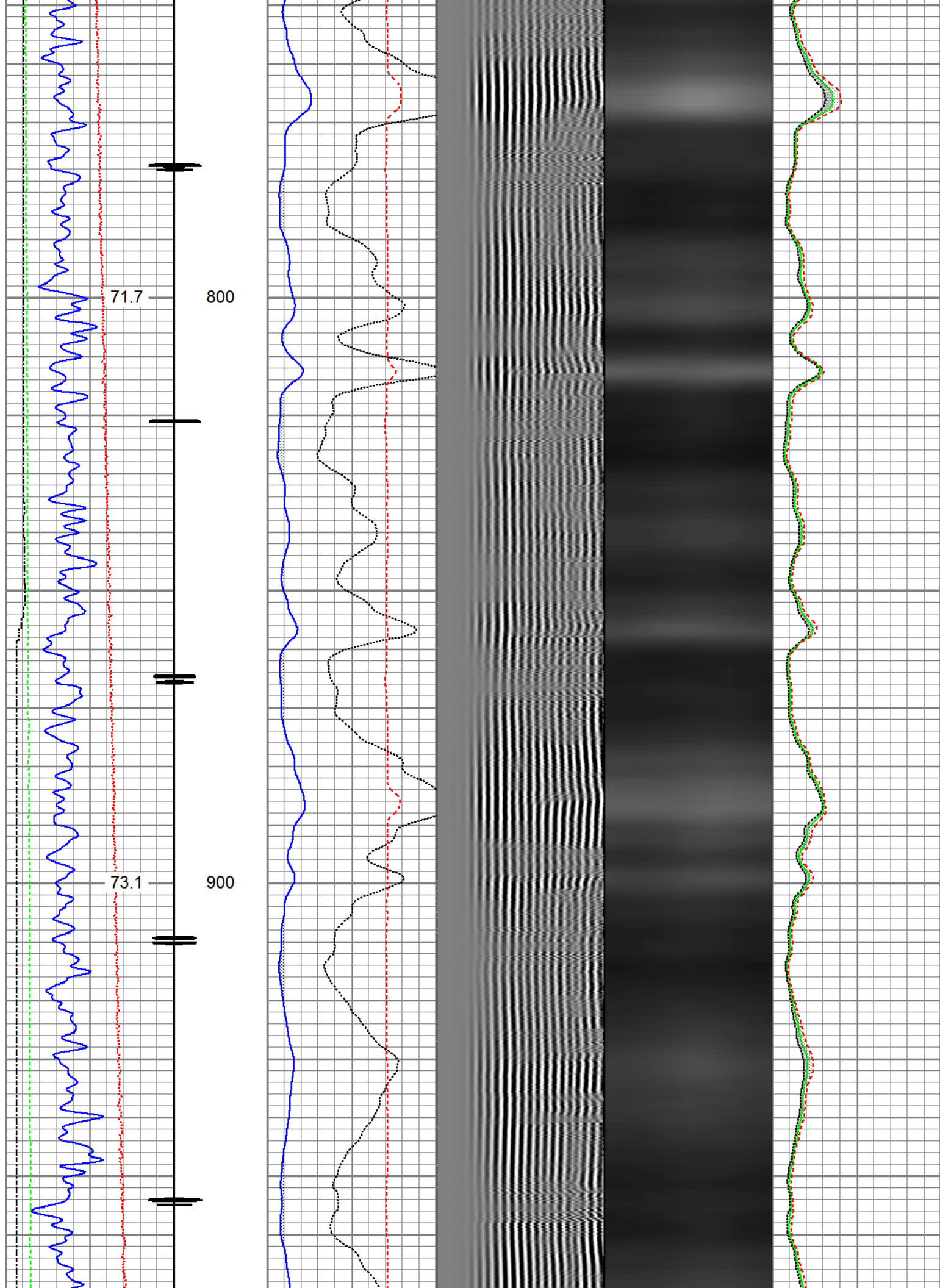


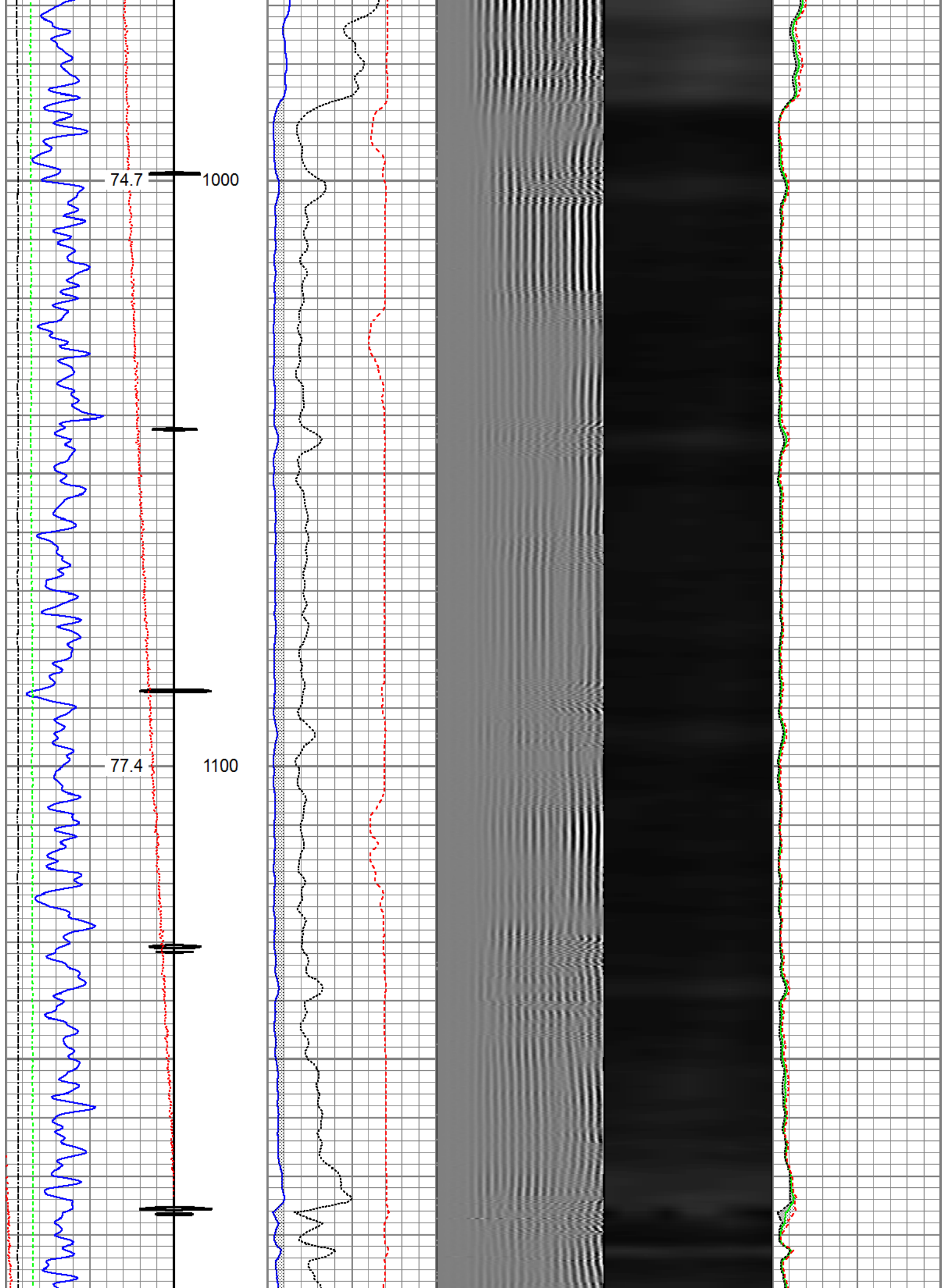


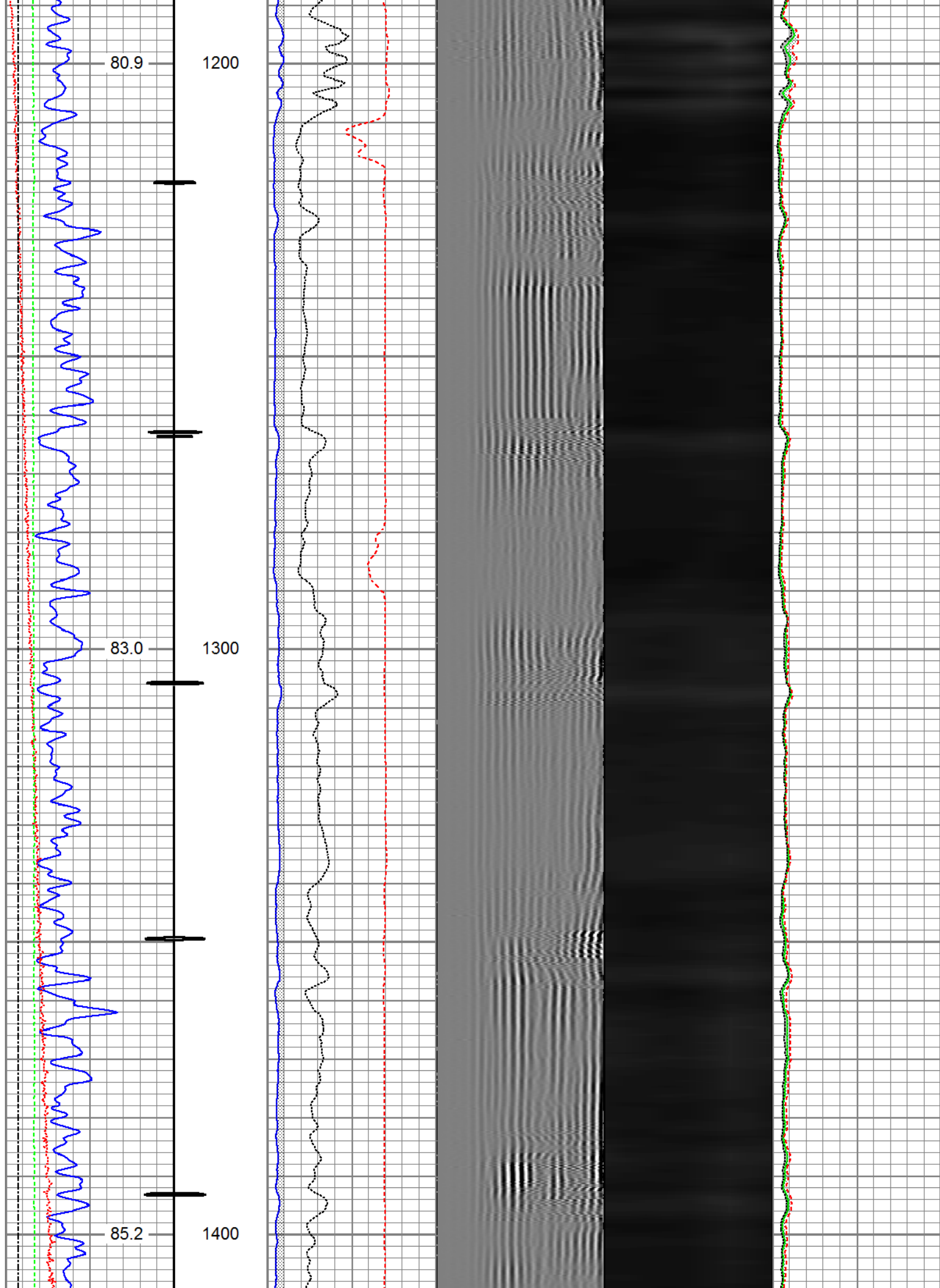




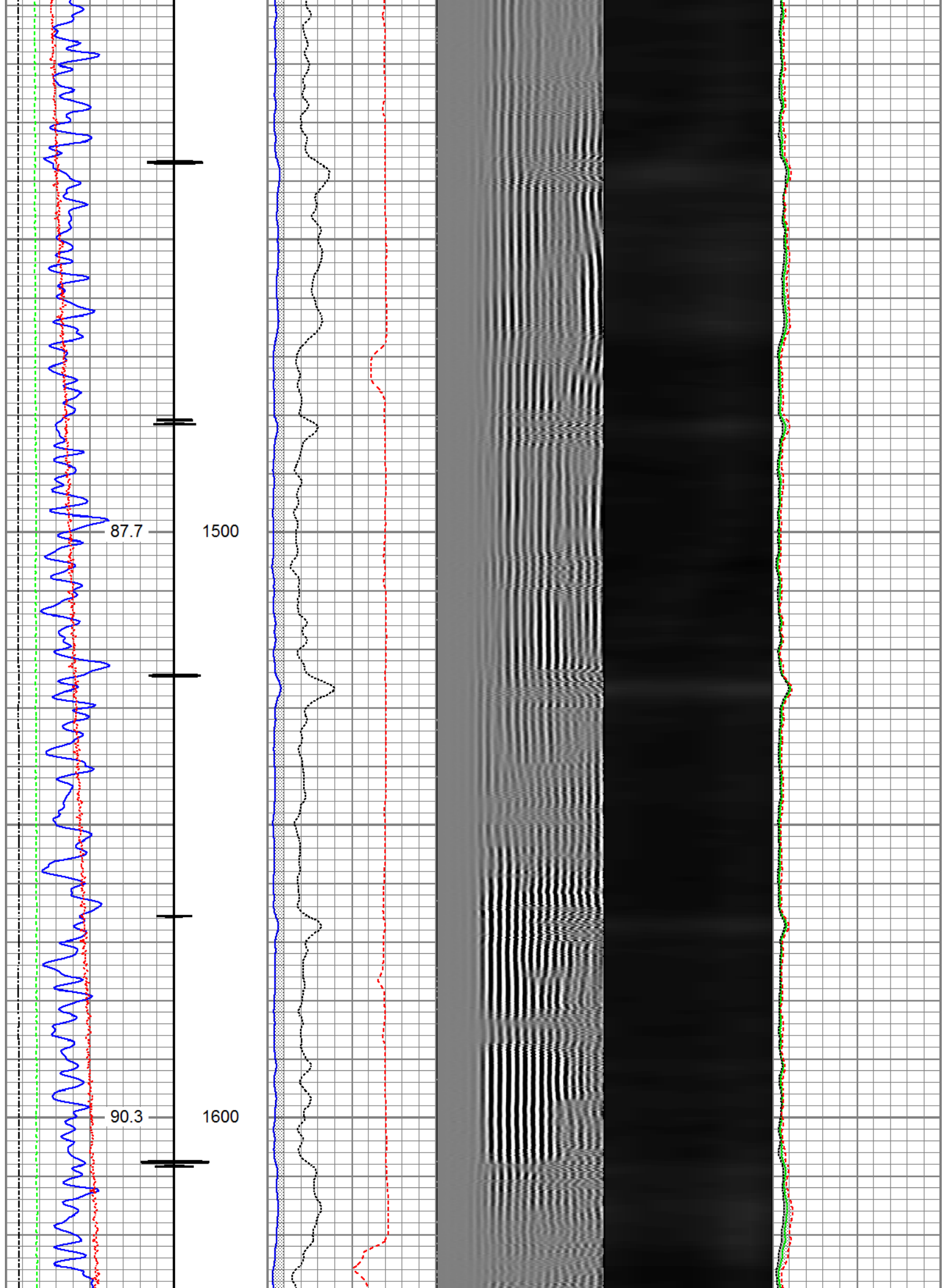


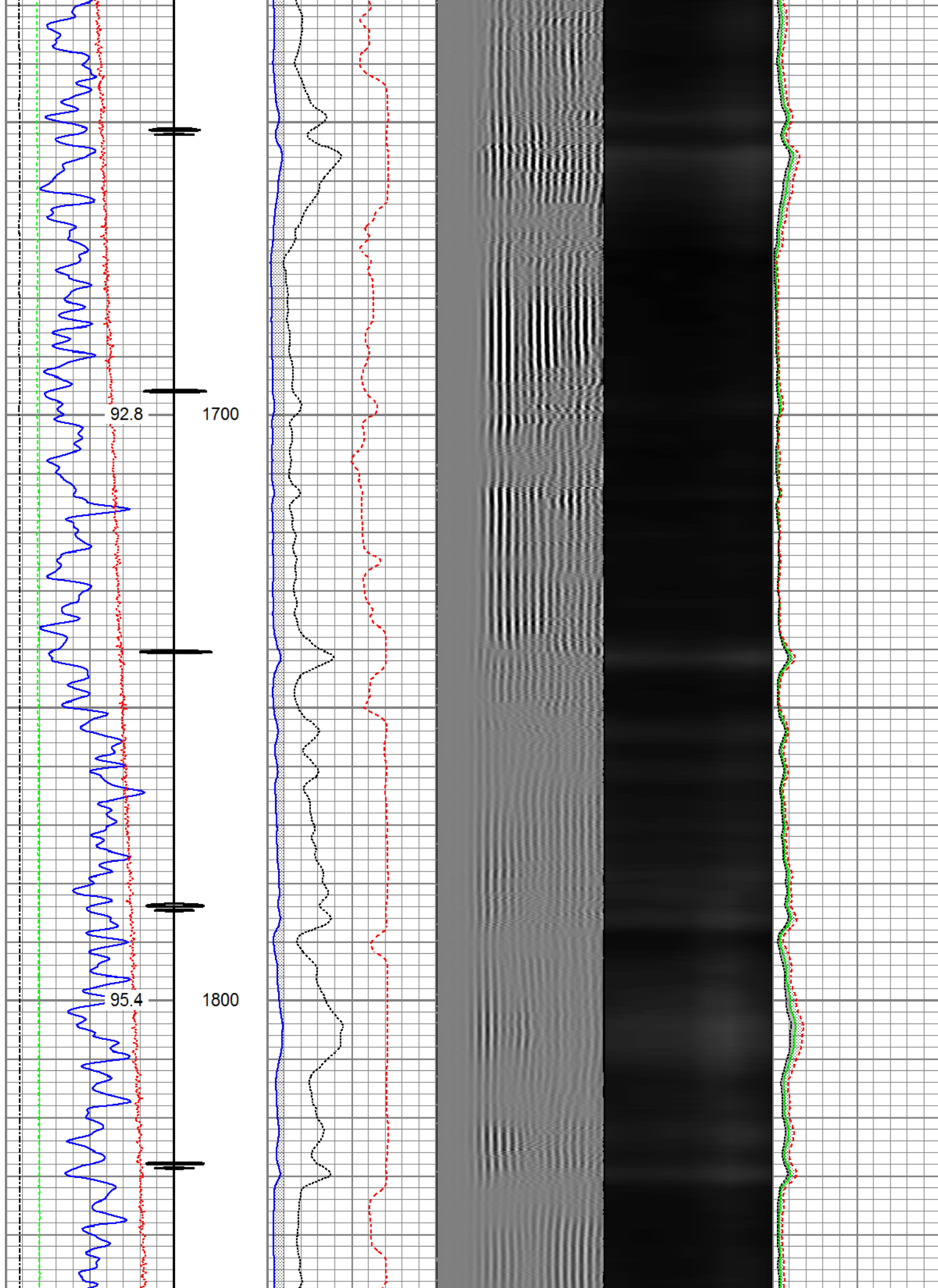


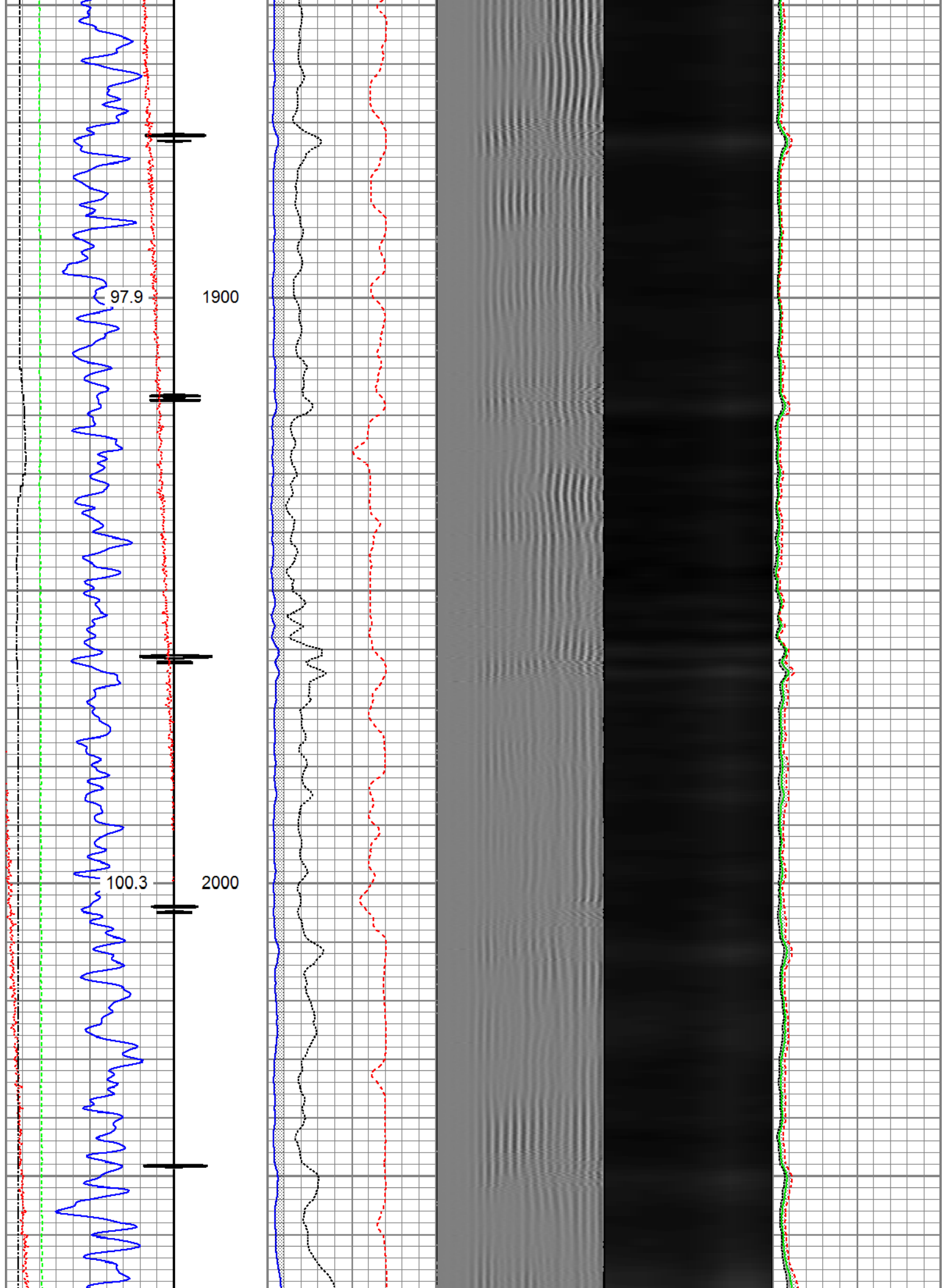


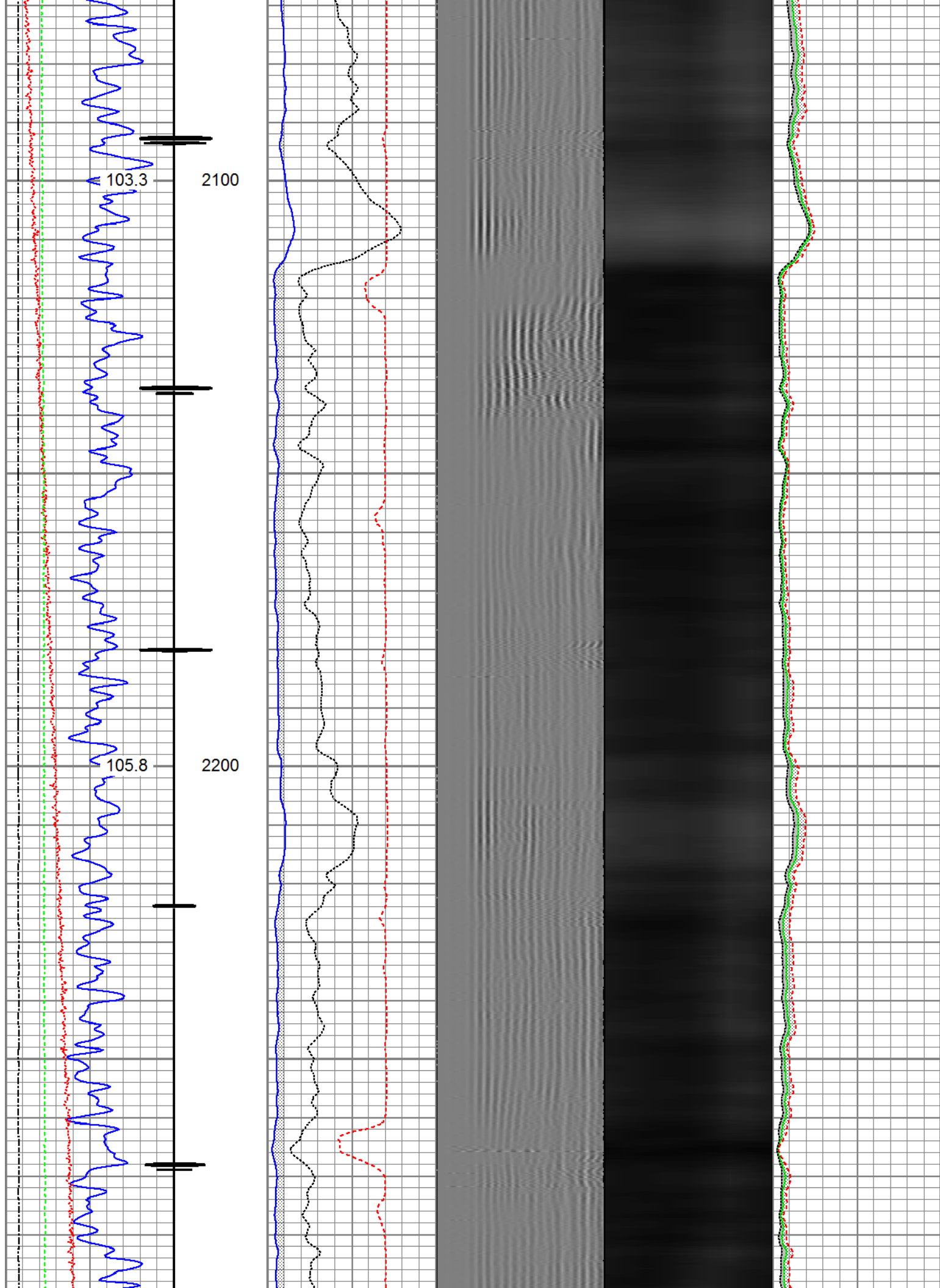




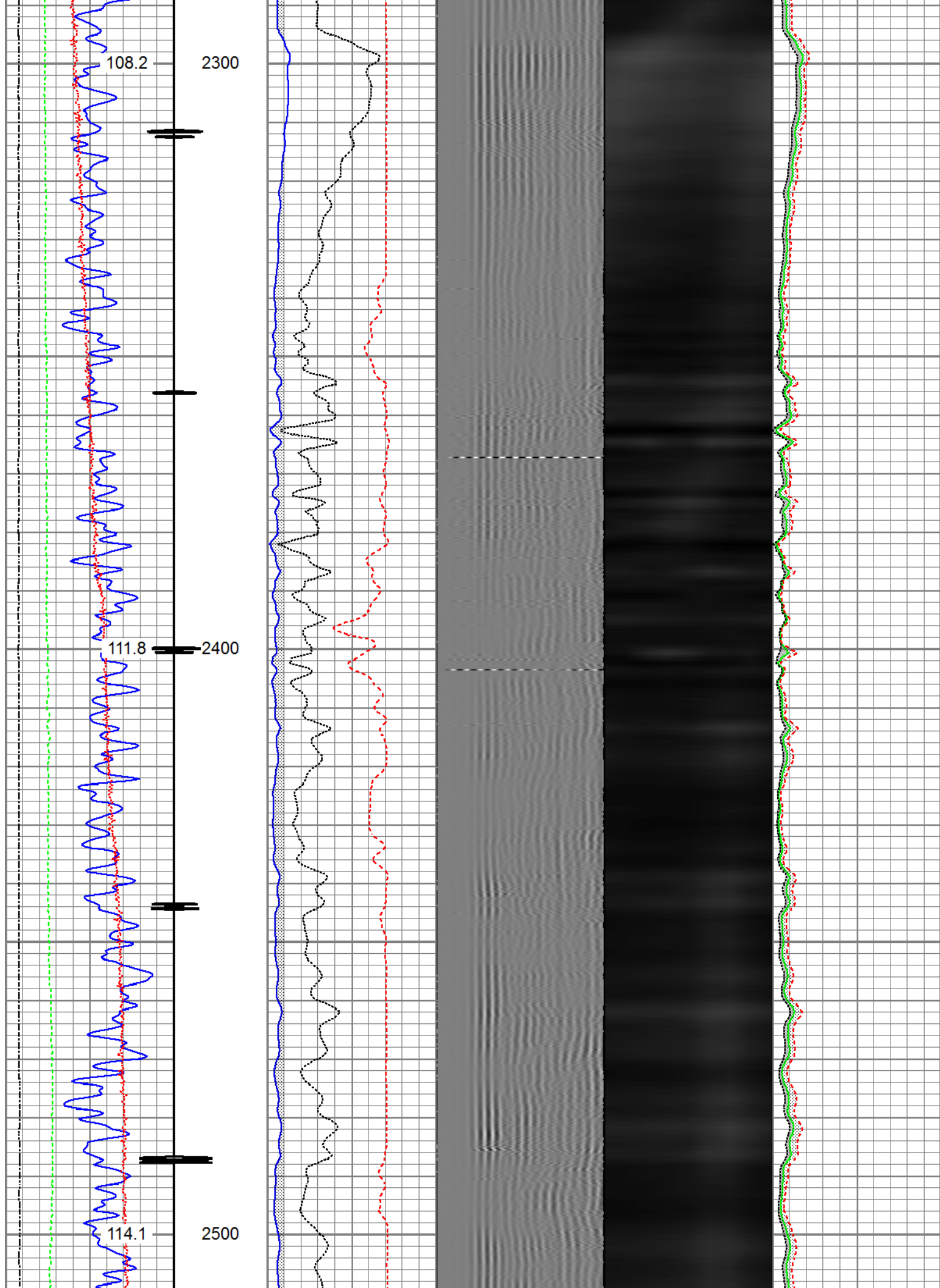


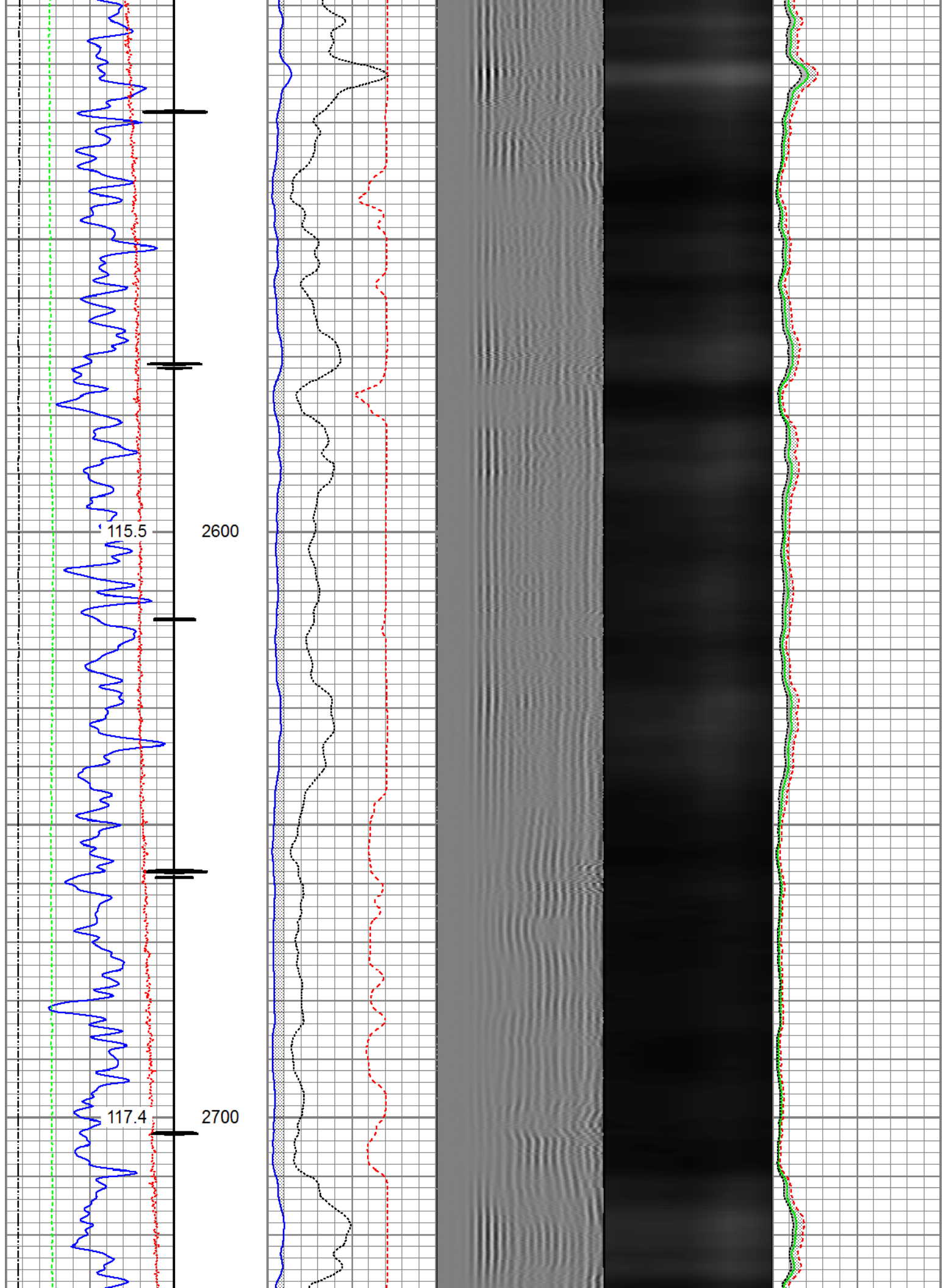


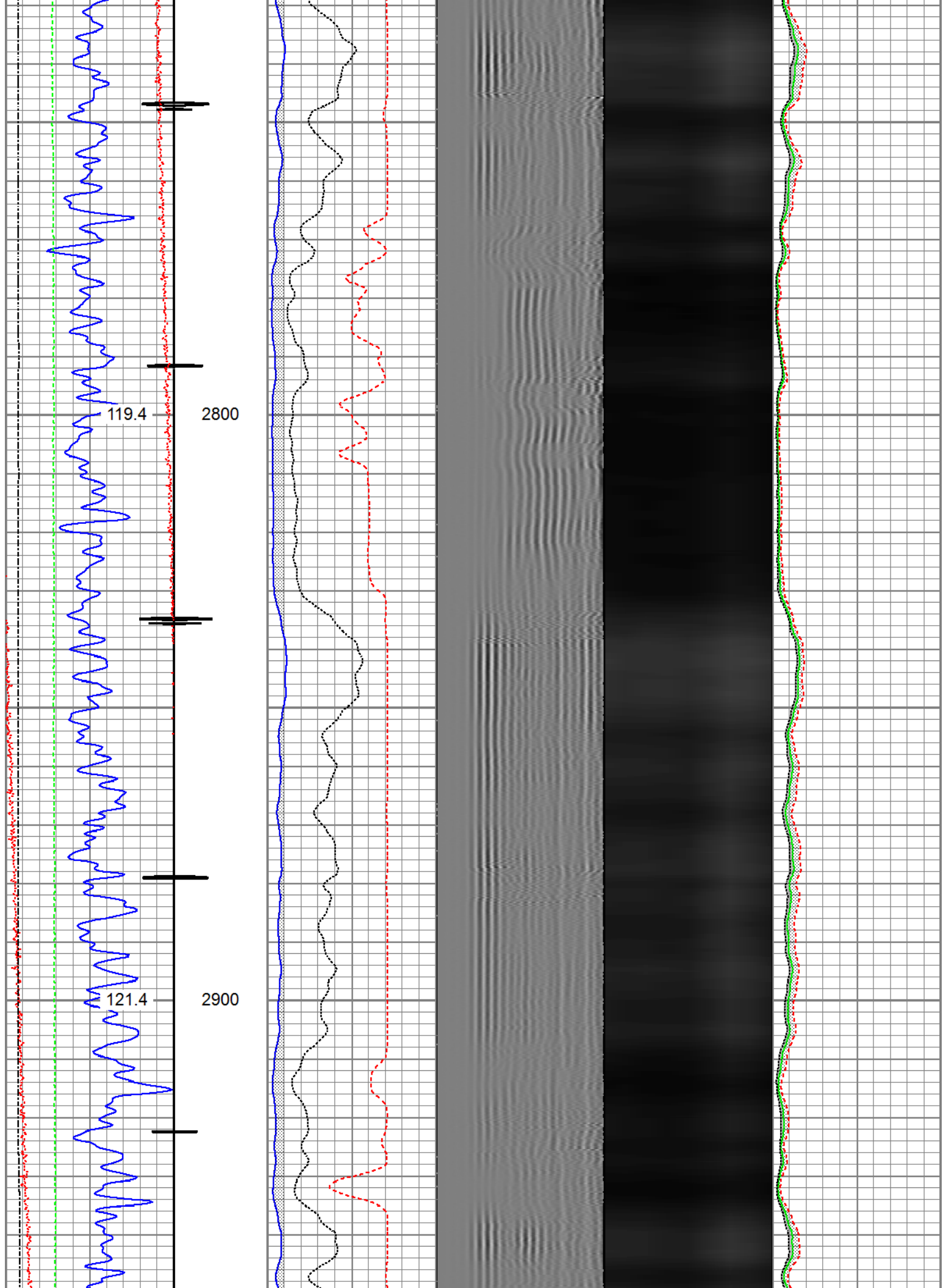


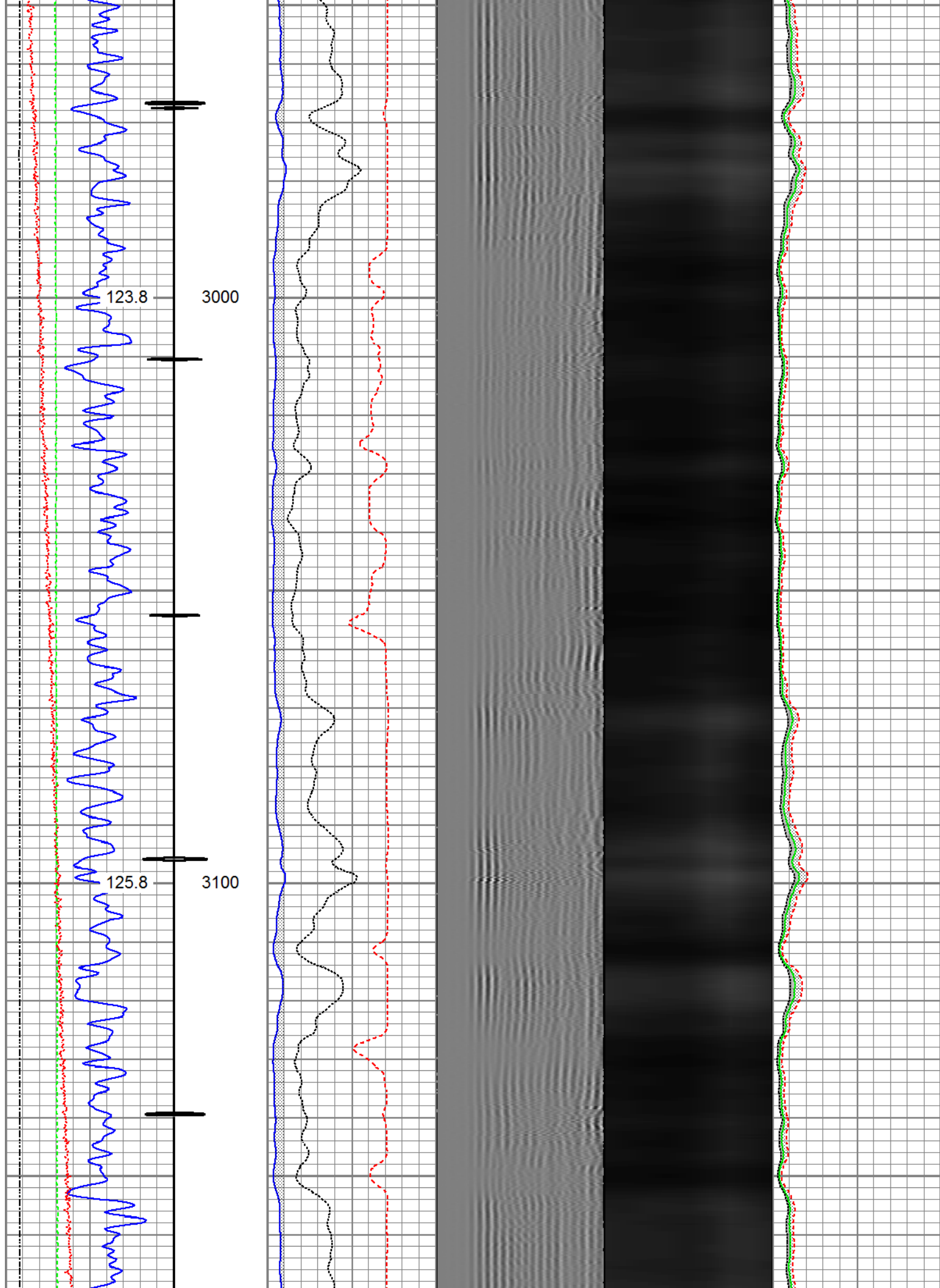




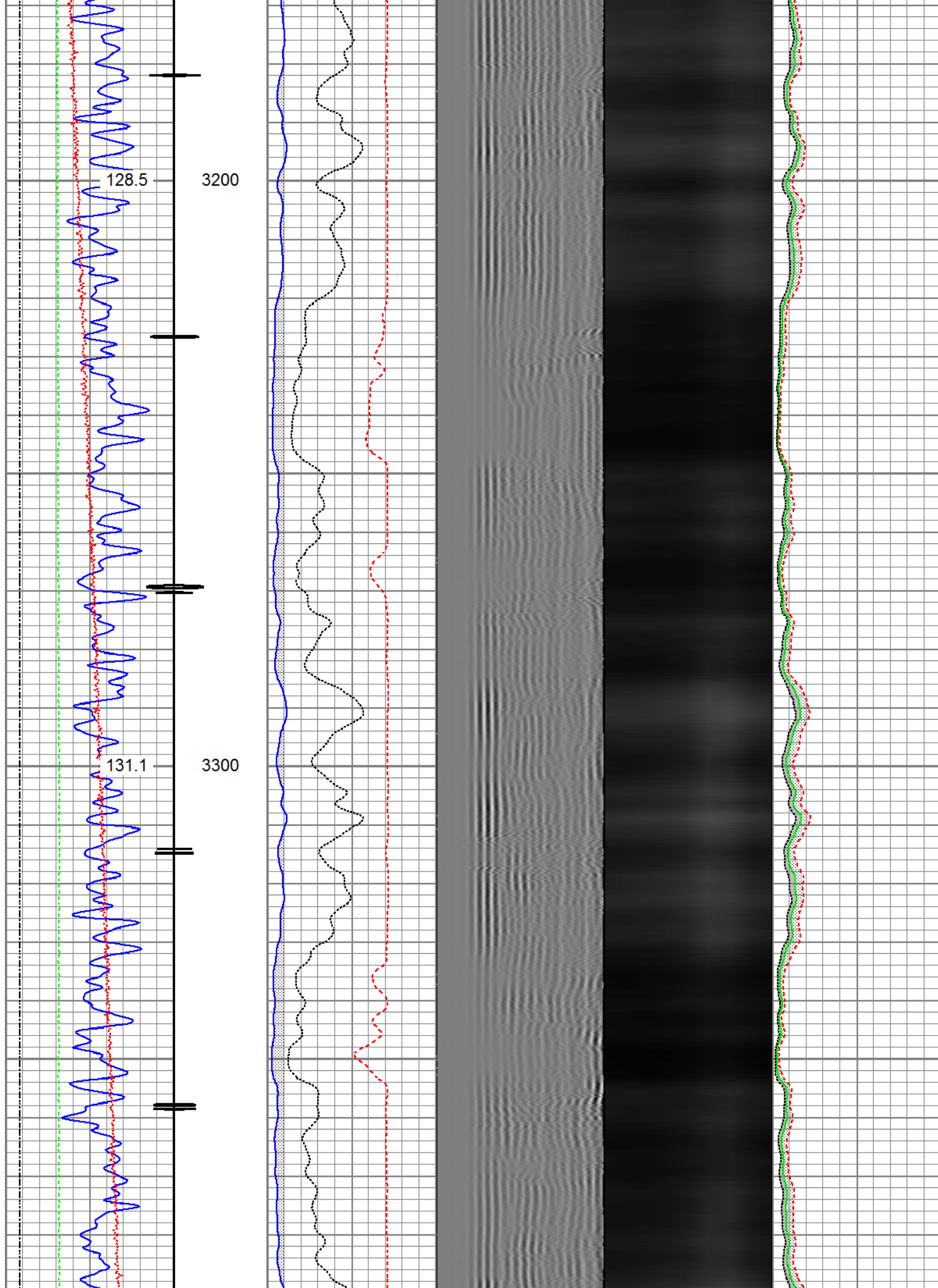


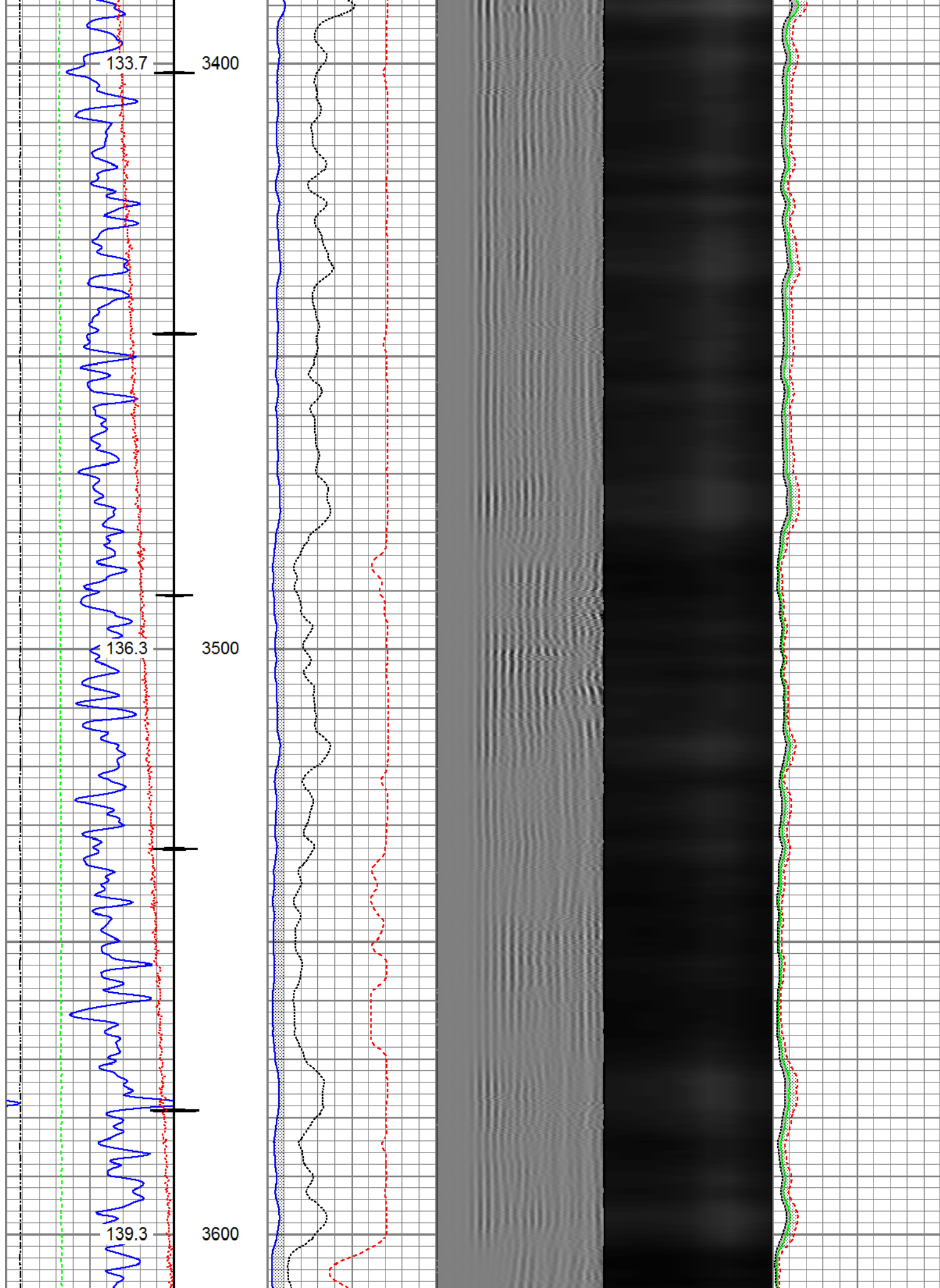


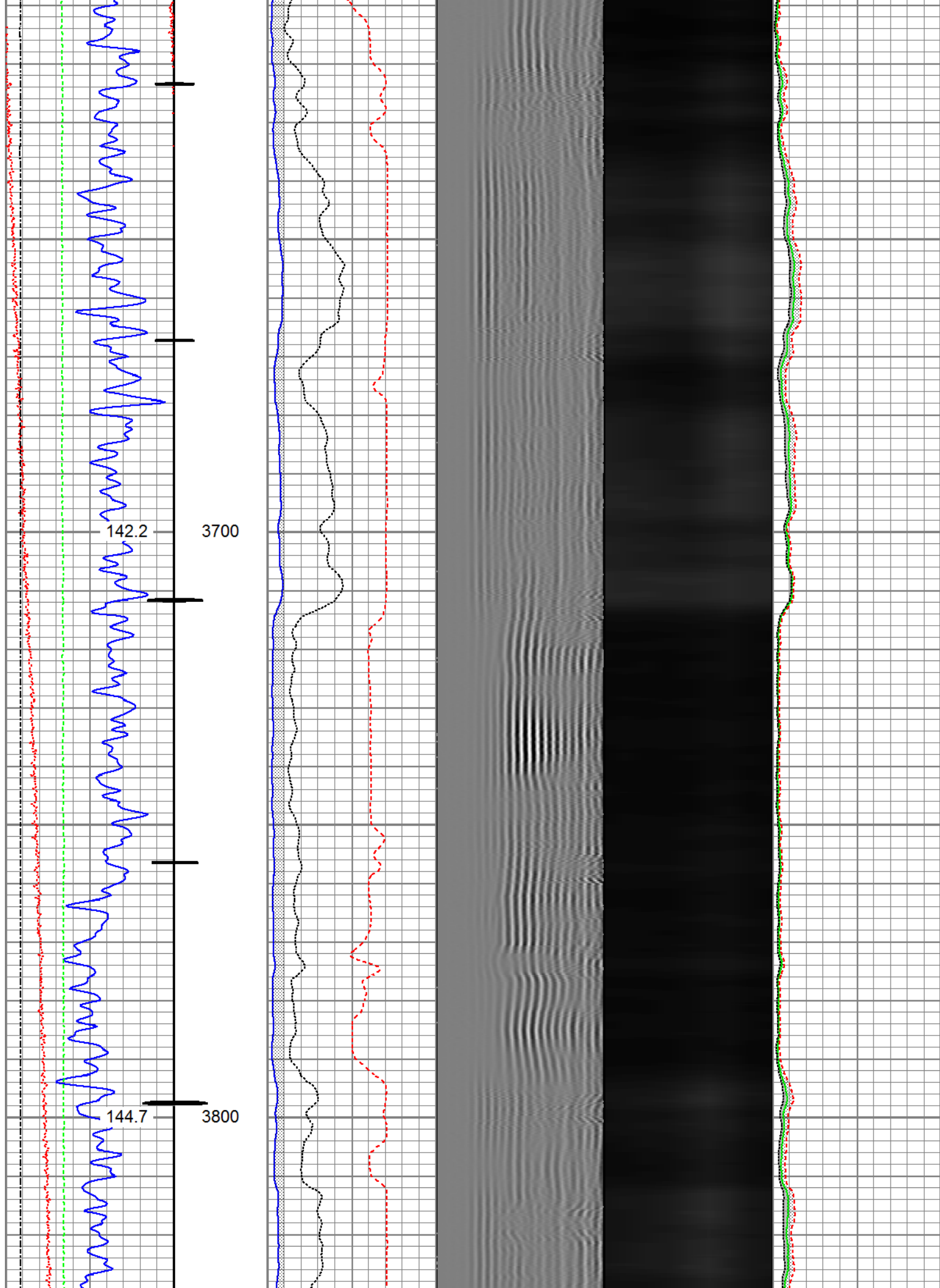


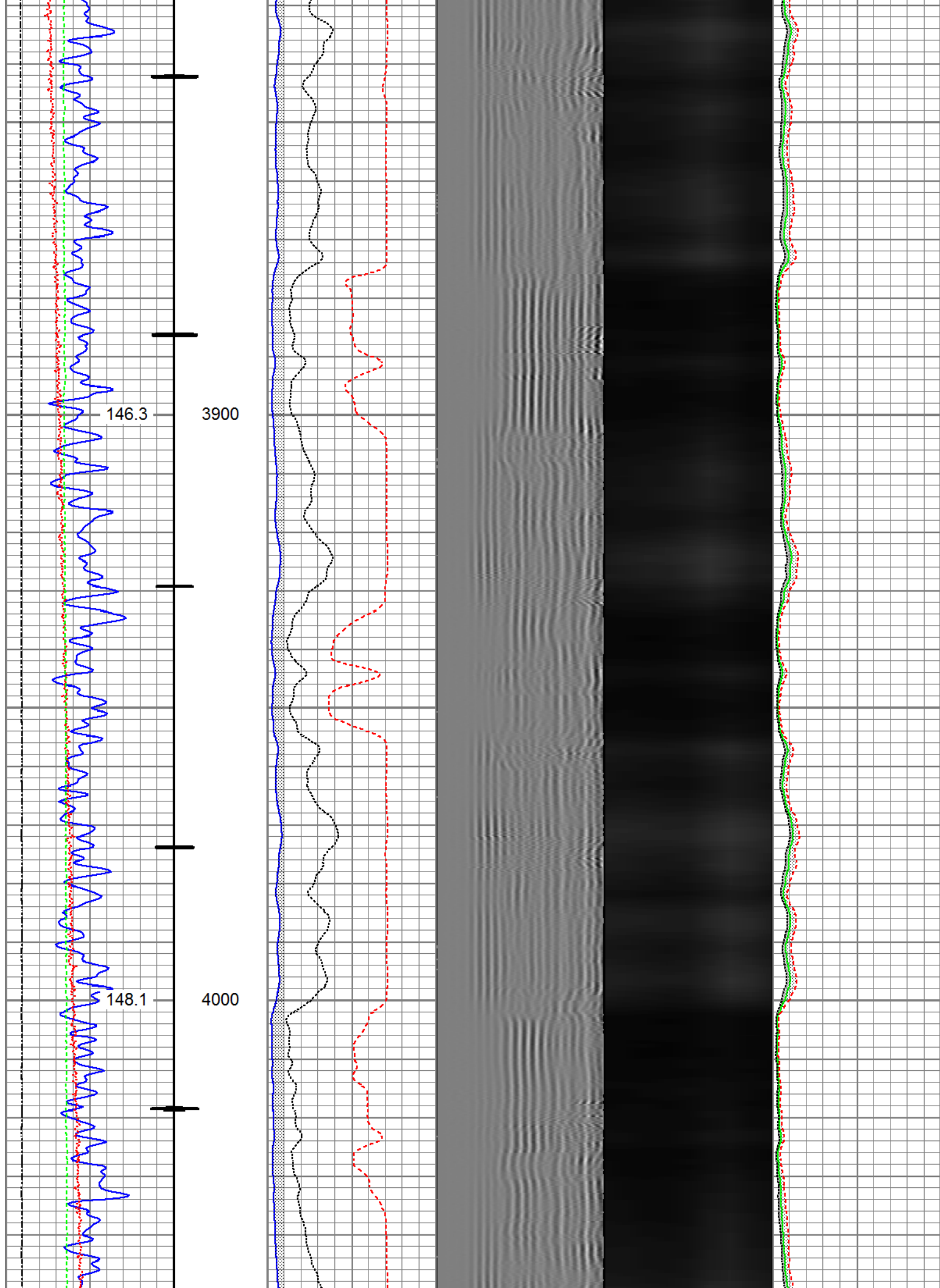




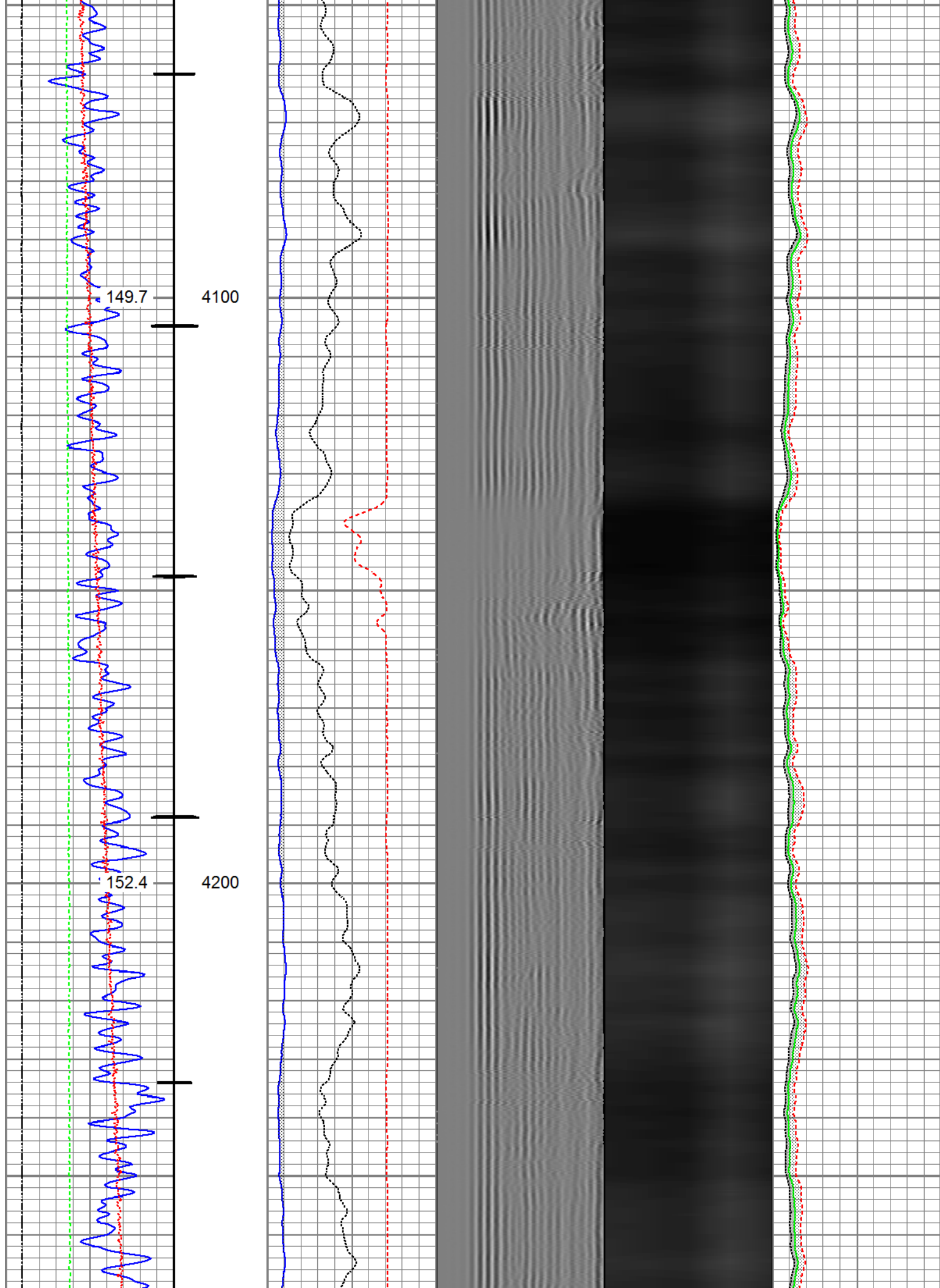


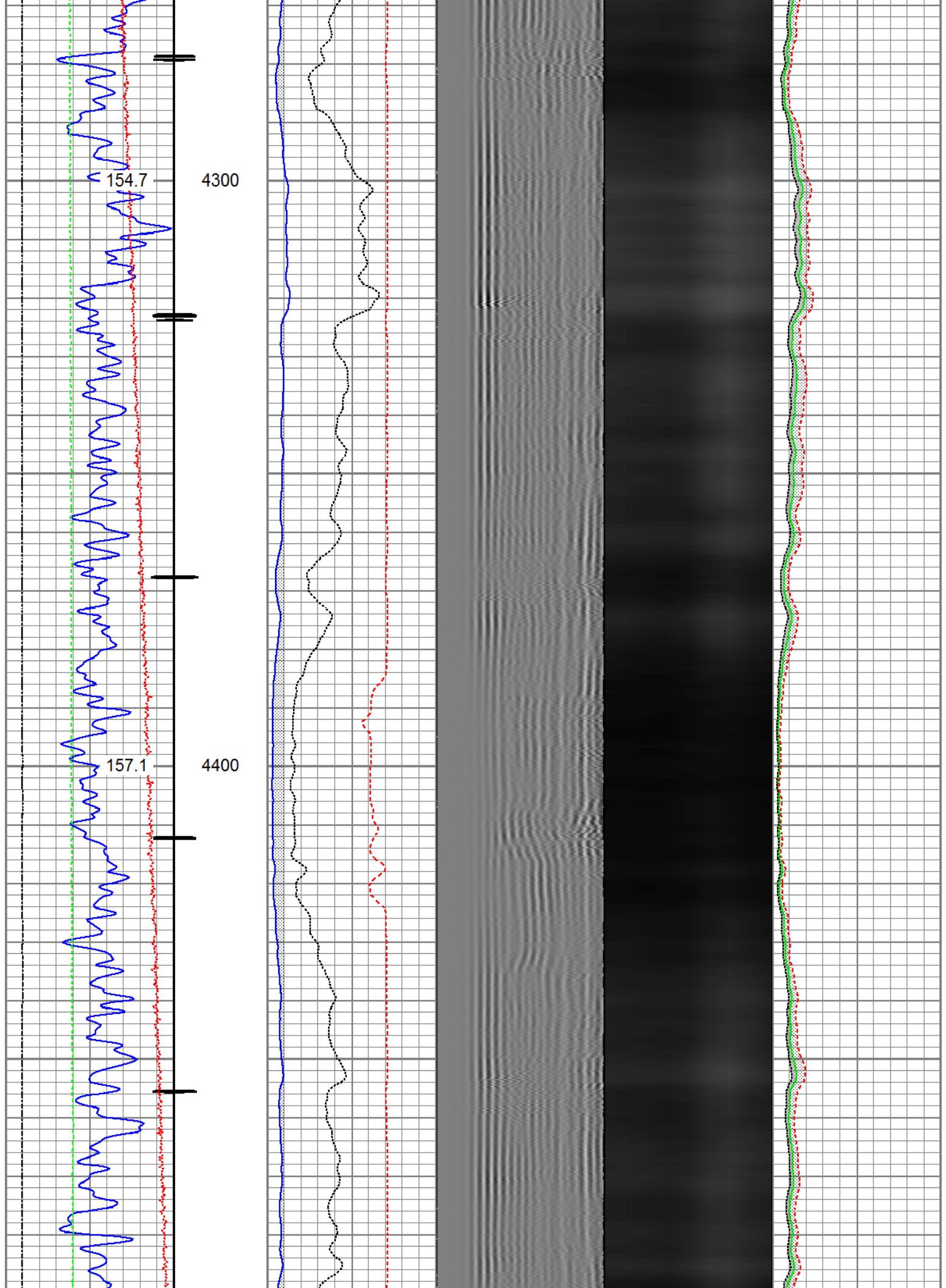


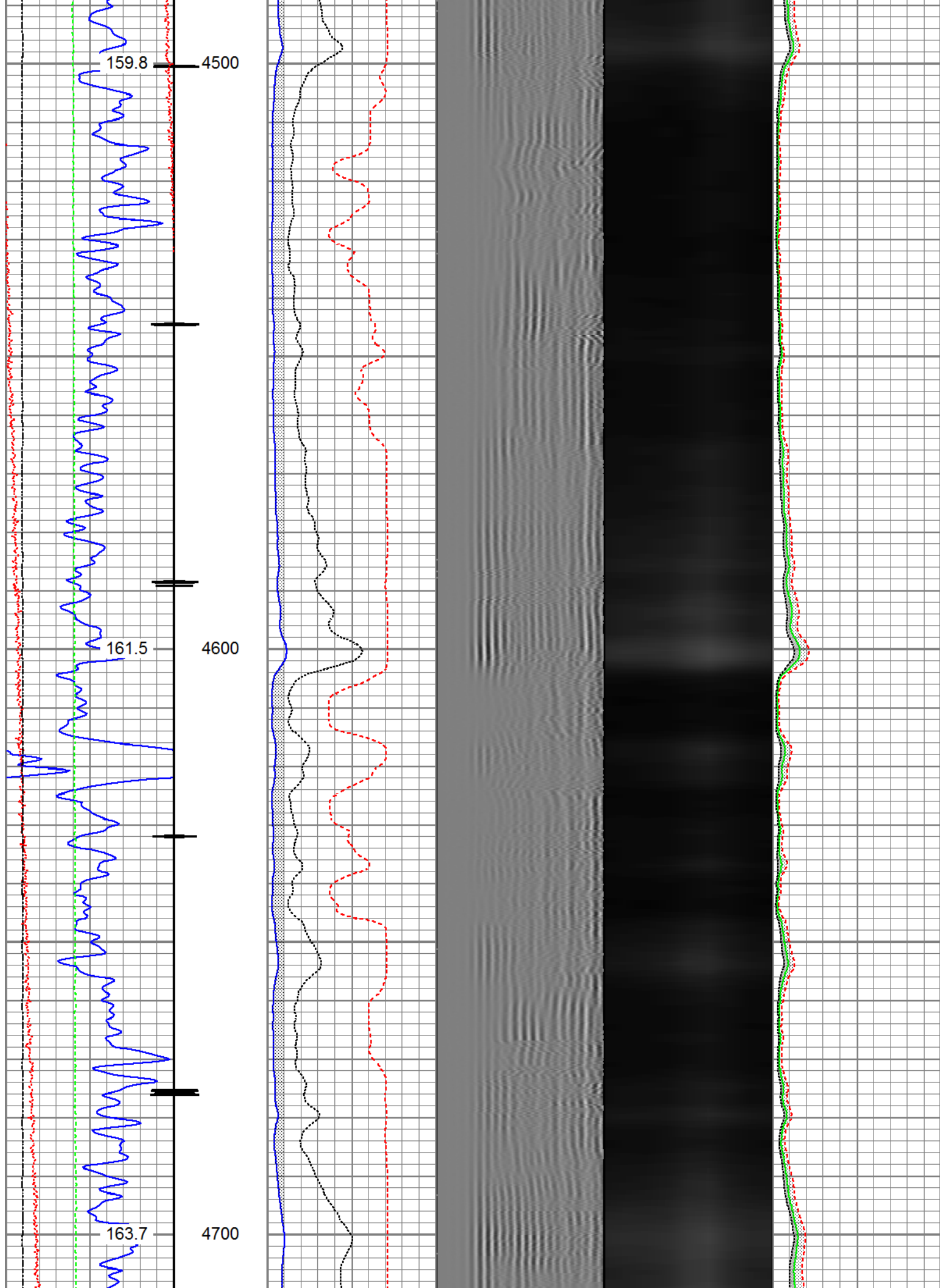


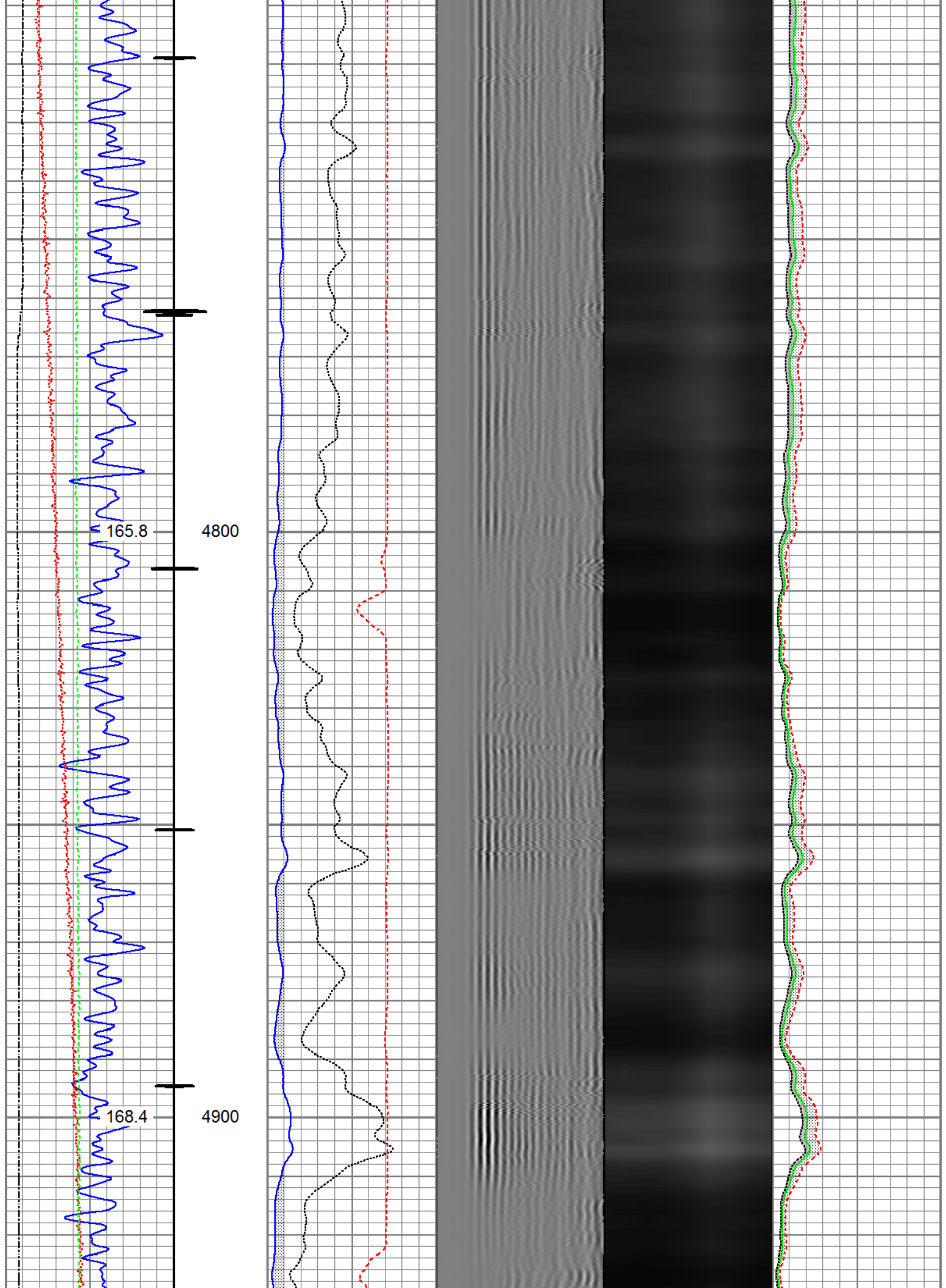




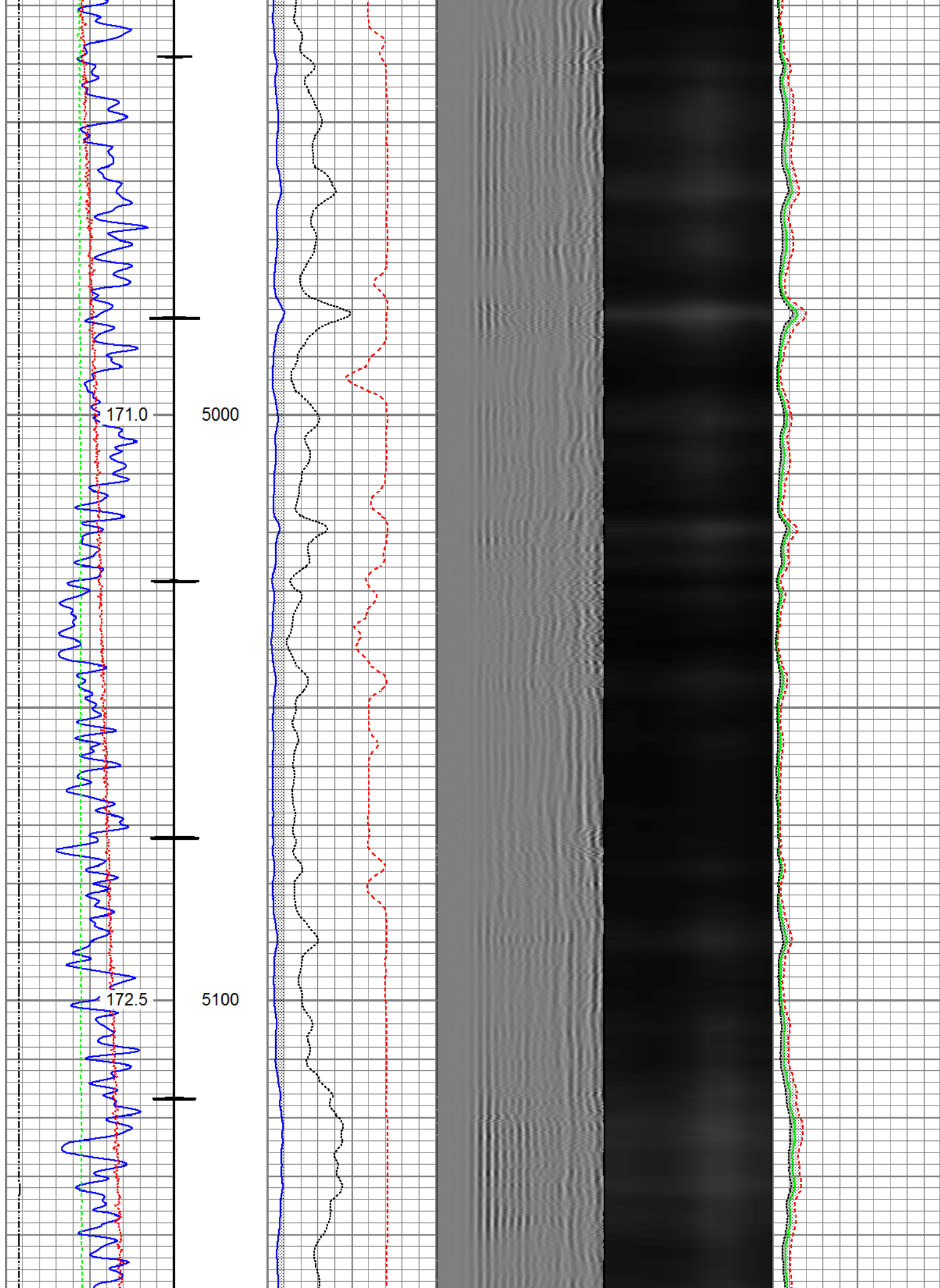


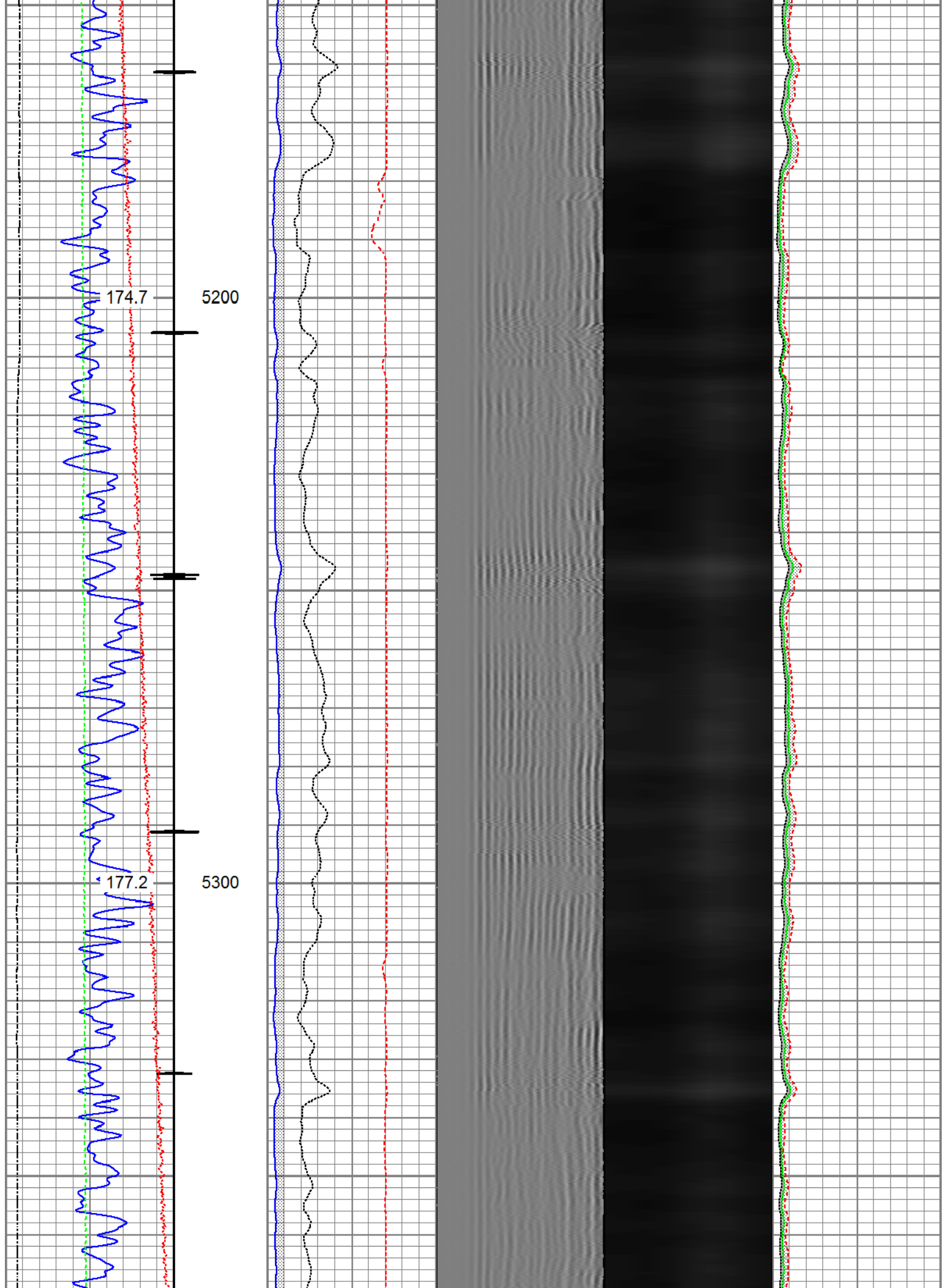


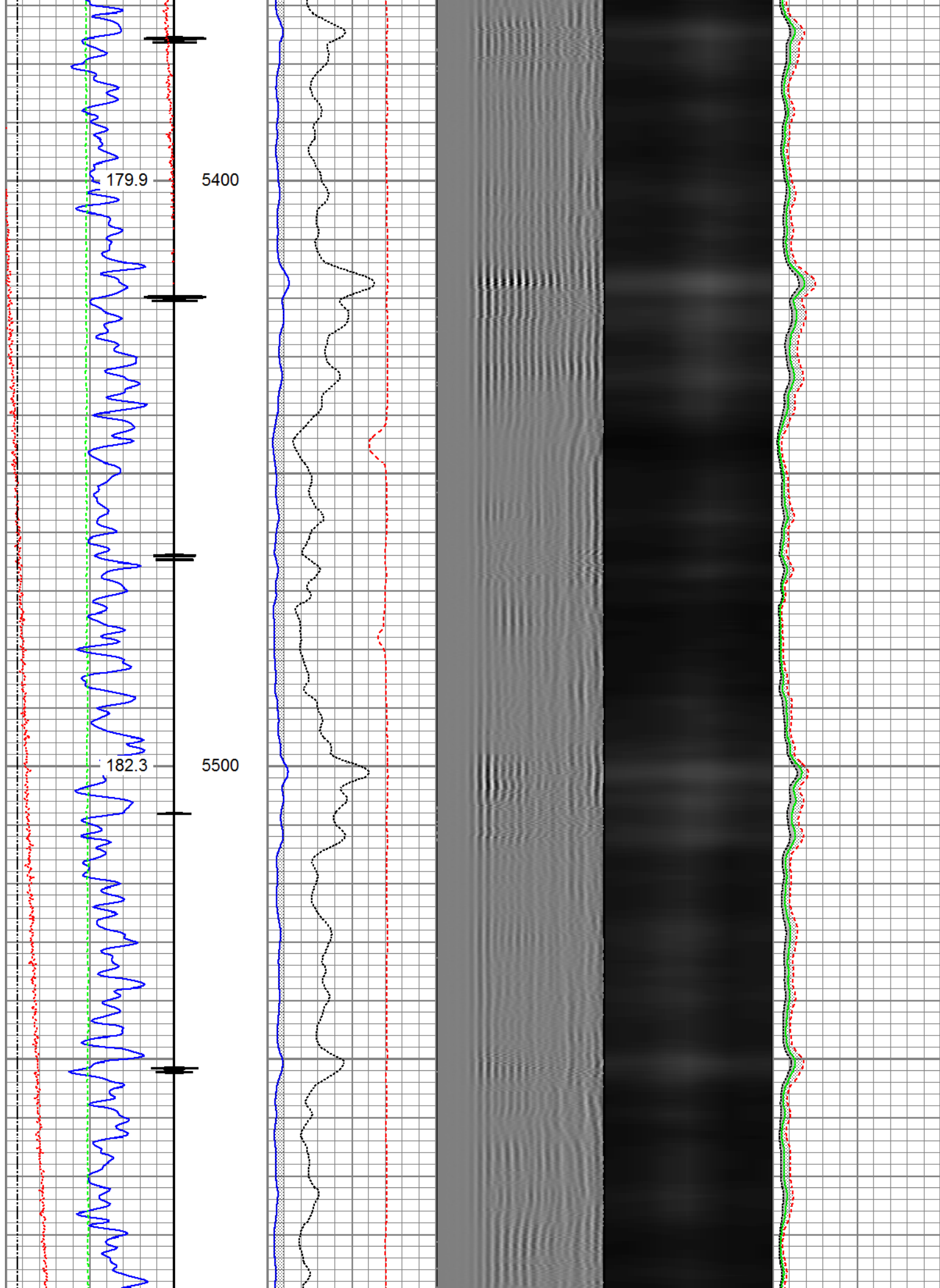


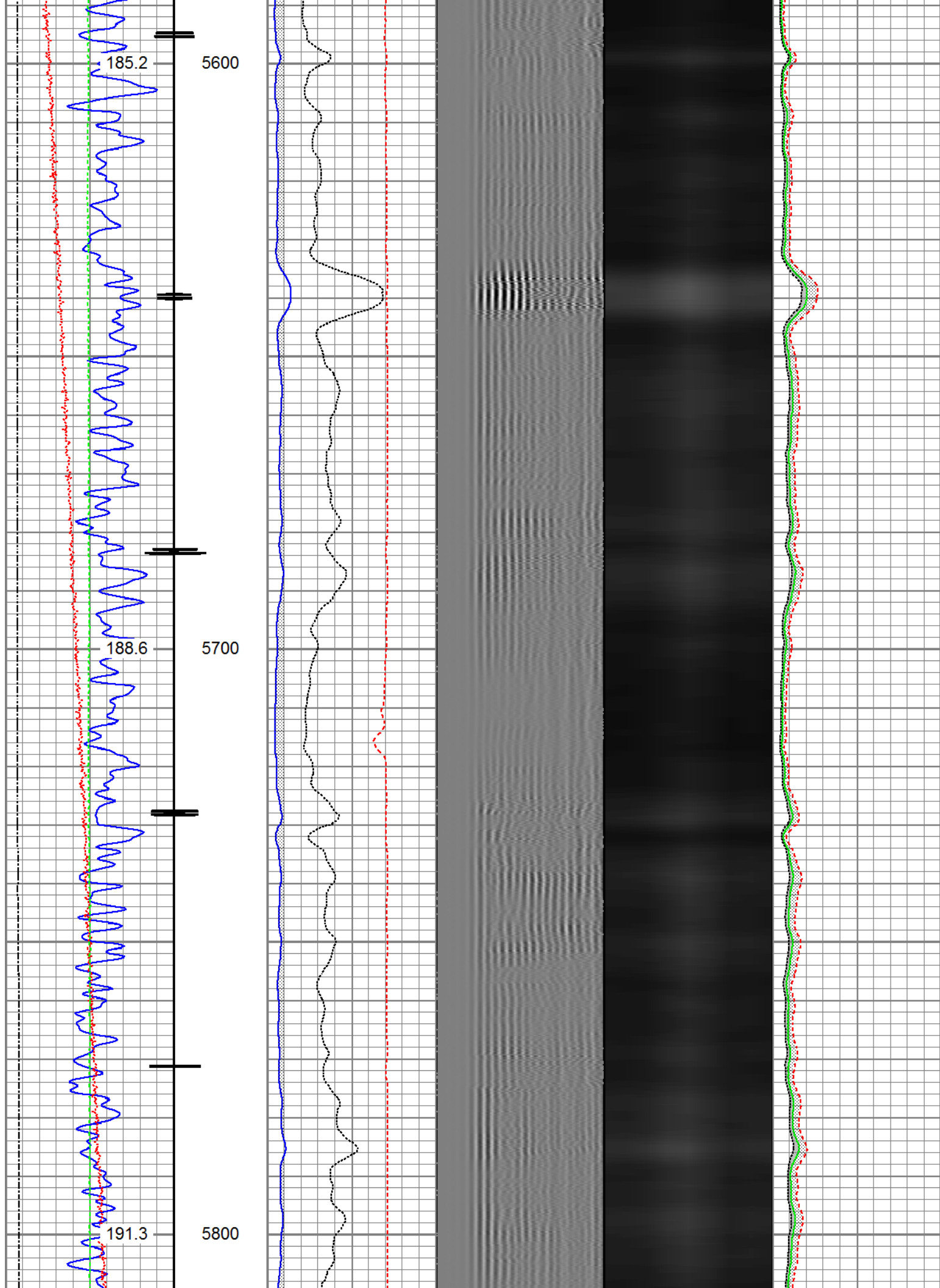




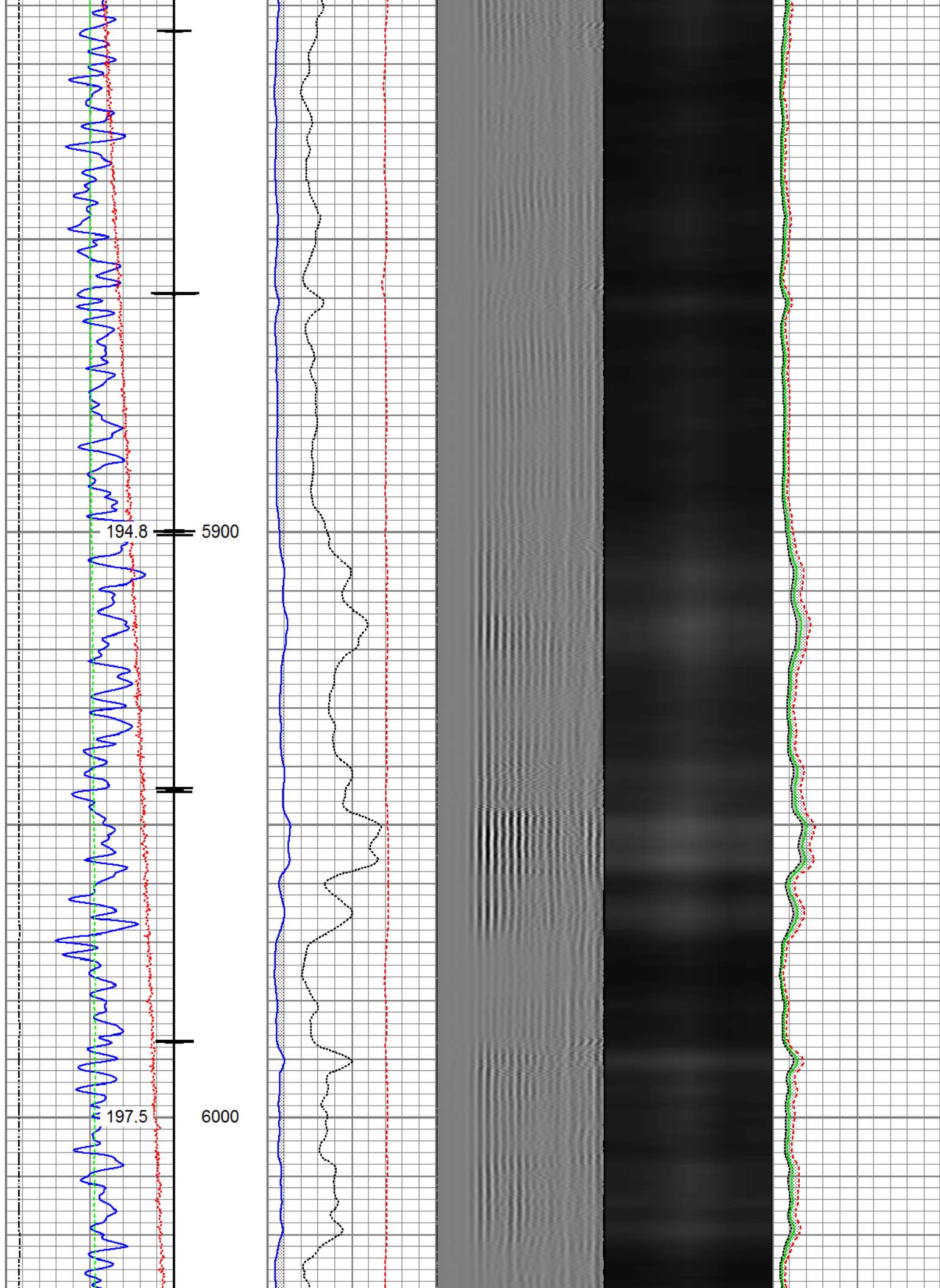


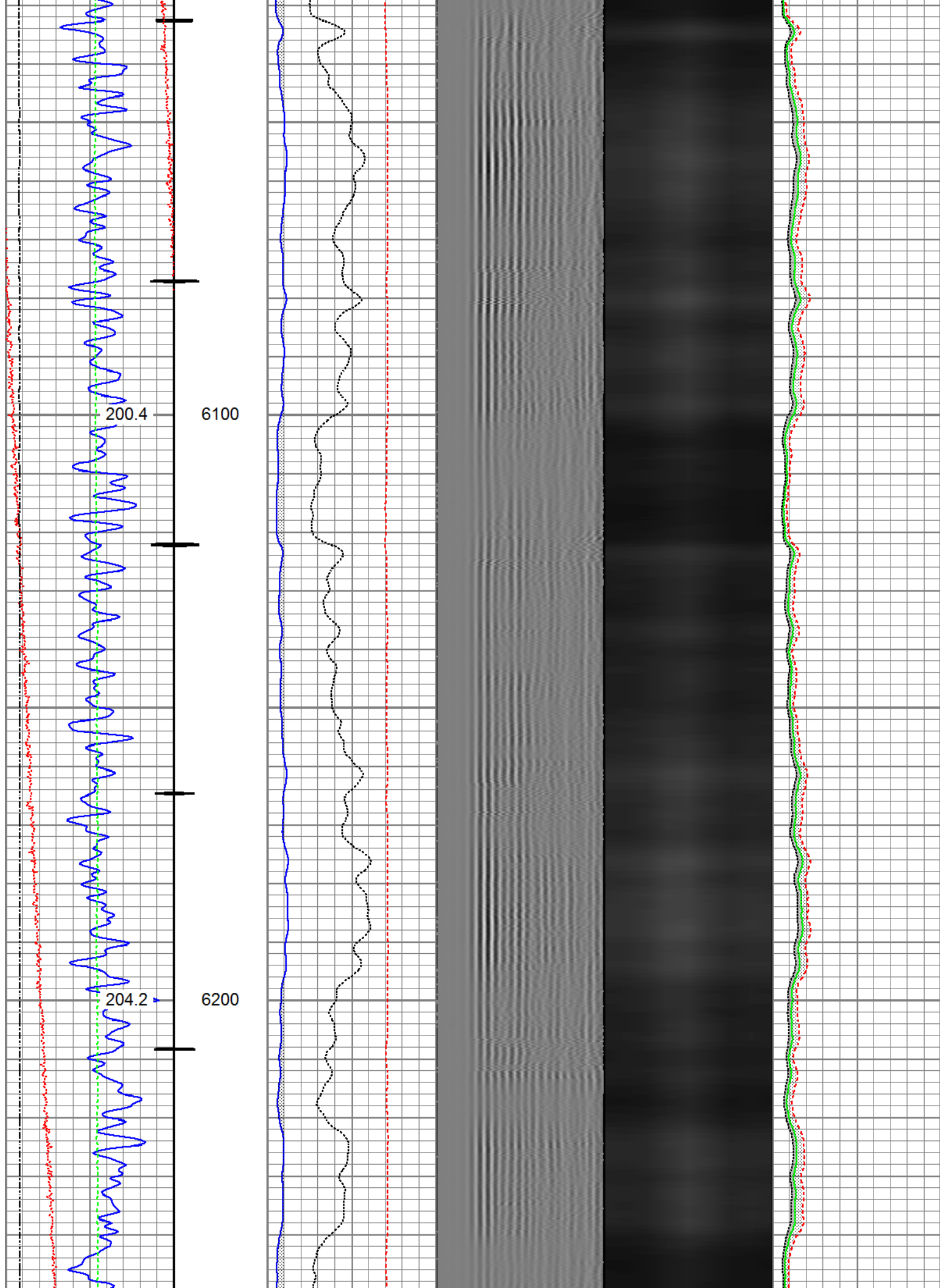


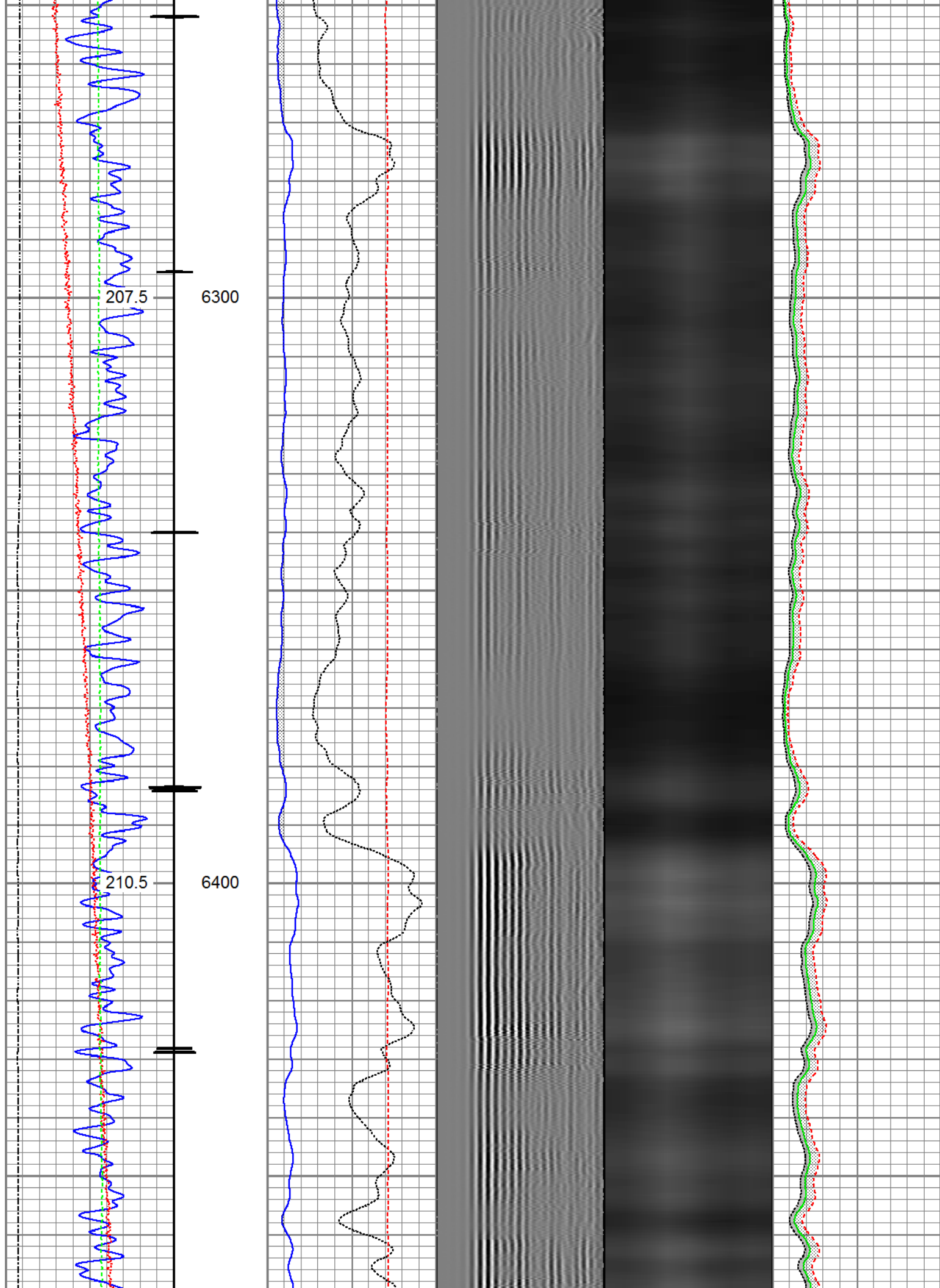


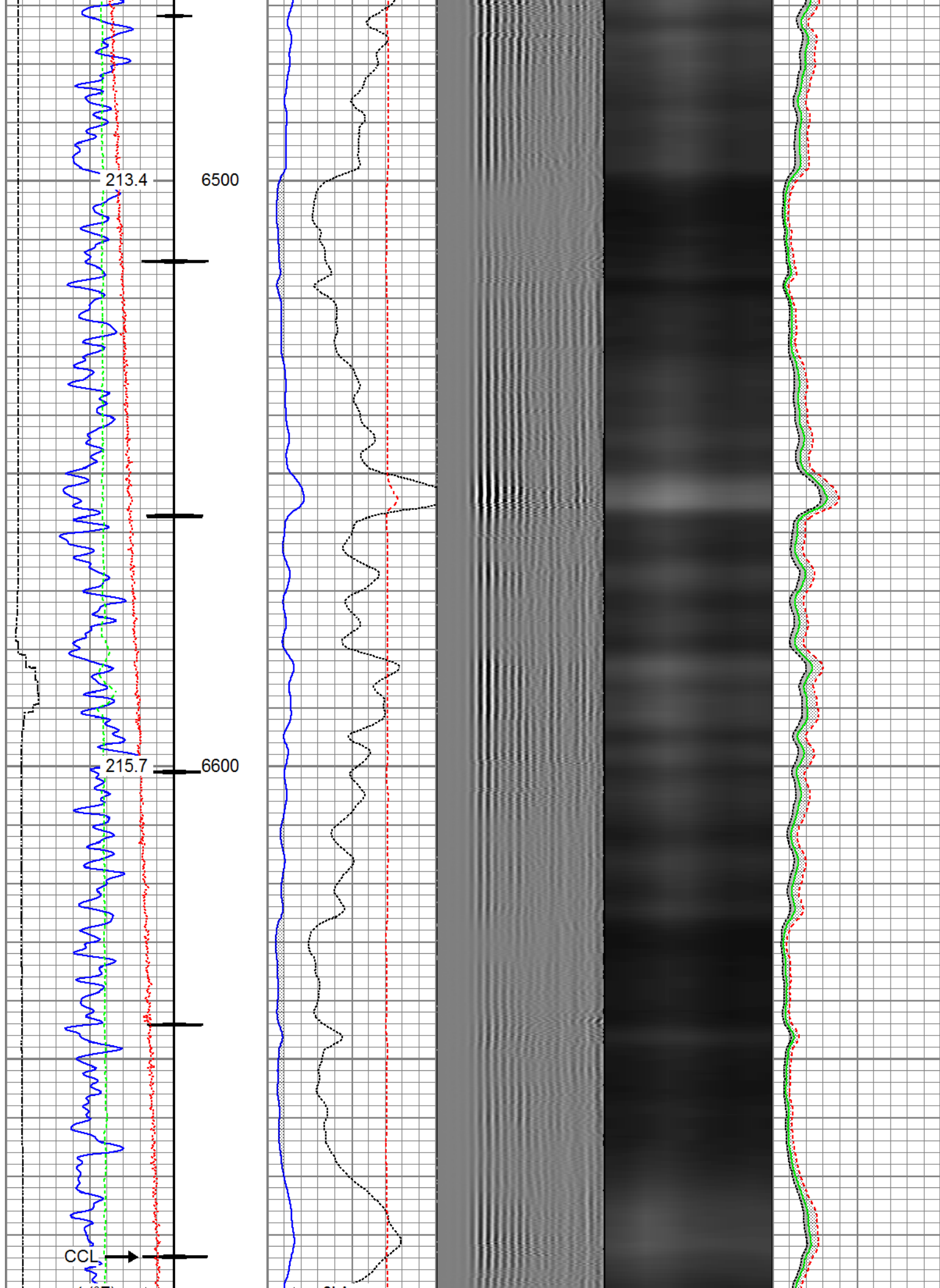




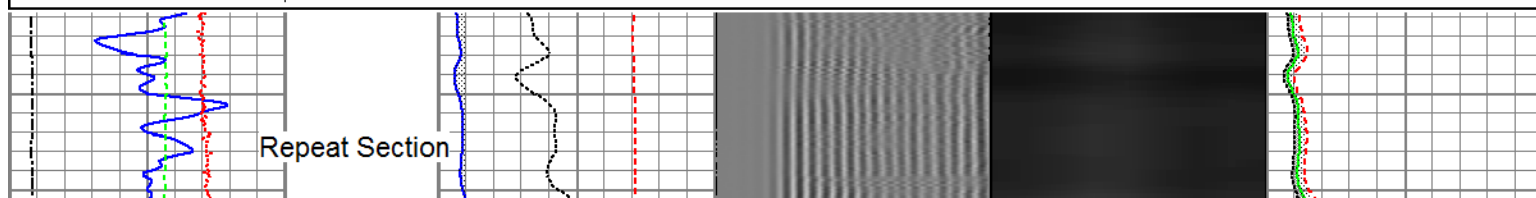
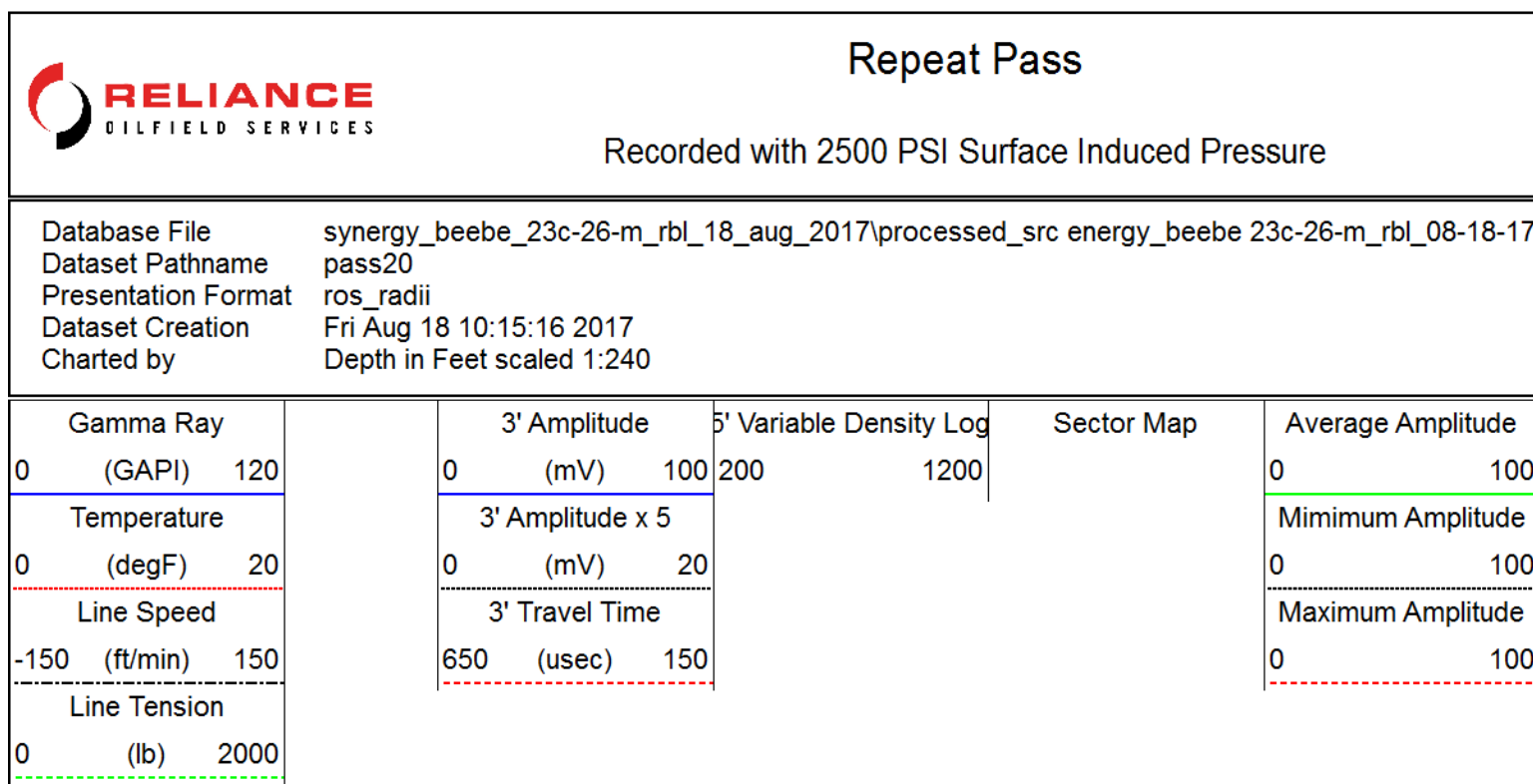
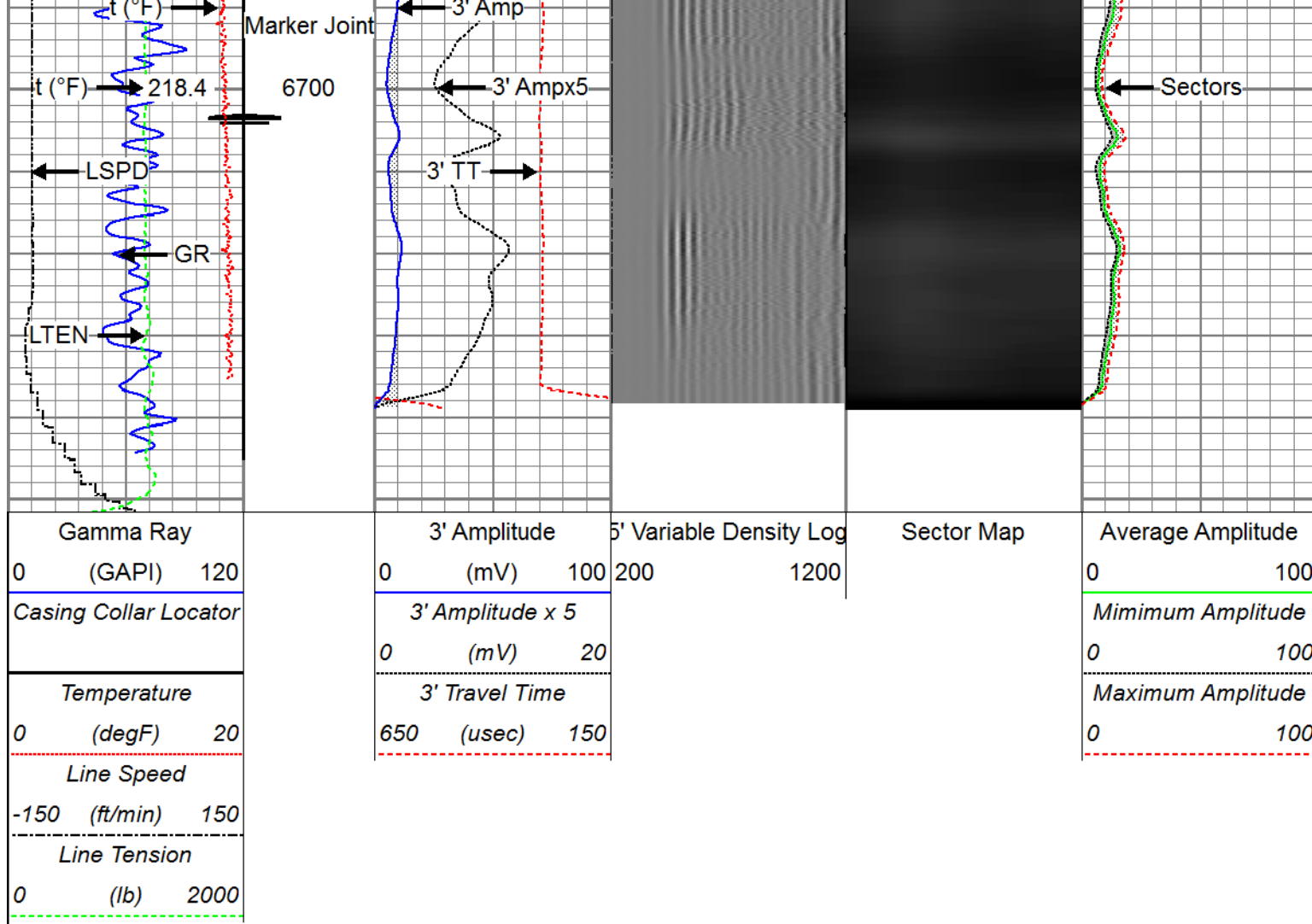


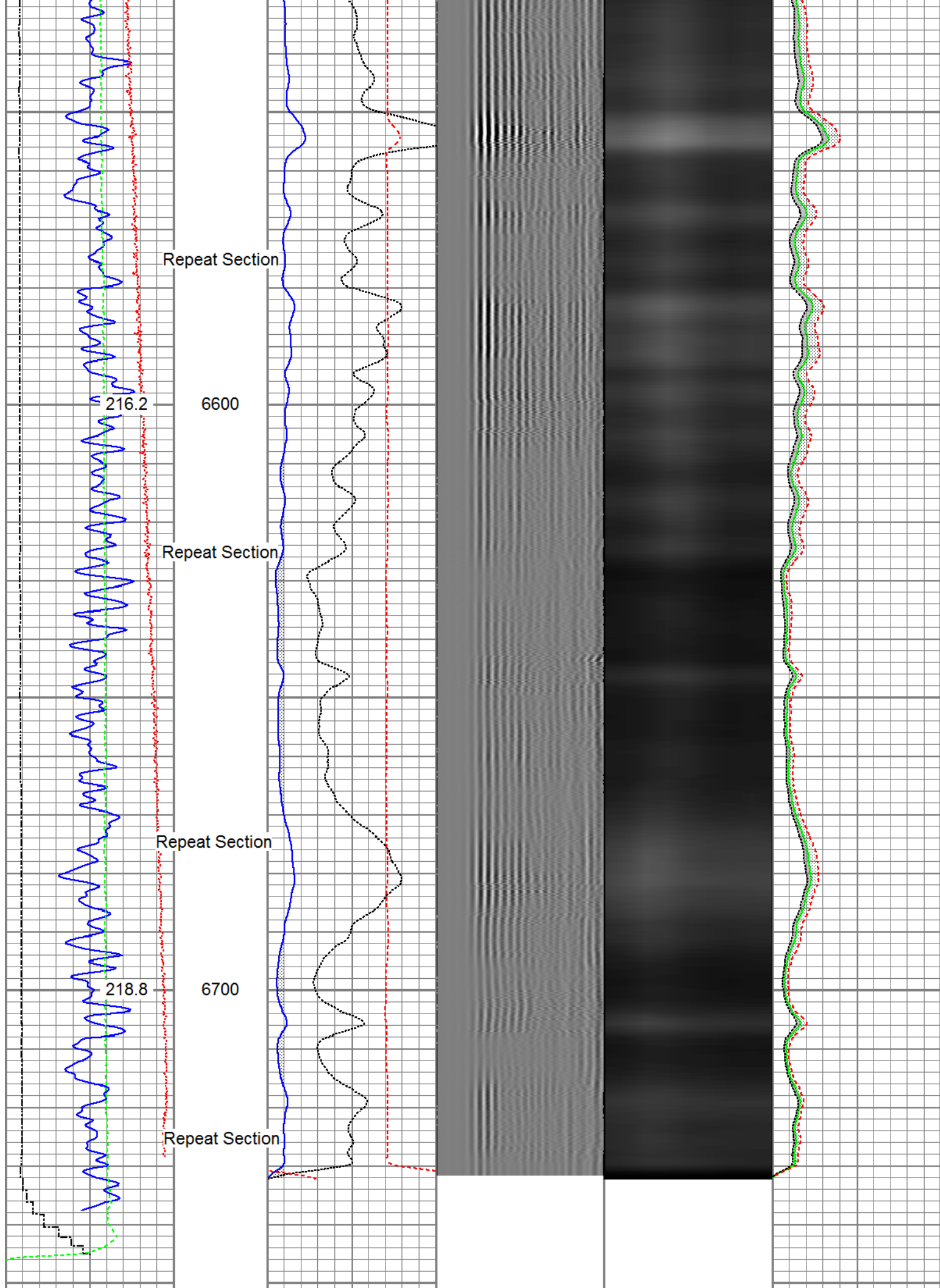






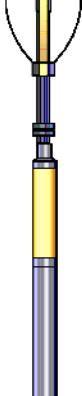


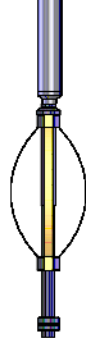






Gamma Ray			3' Amplitude			5' Variable Density Log			Sector Map			Average Amplitude		
0	(GAPI)	120	0	(mV)	100	200		1200				0		100
Temperature			3' Amplitude x 5									Minimum Amplitude		
0	(degF)	20	0	(mV)	20							0		100
Line Speed			3' Travel Time									Maximum Amplitude		
-150	(ft/min)	150	650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

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
HeadVolt	19.51		Titan_Electric_Cable_Heads-Titan_1-11/16" 1.03 Electric Cable Head with 1" Fishing Neck	1.03	1.69	5.40
			Probe_ELine_BowSpring_Centralizer-P_EB2.8875 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.8875	2.75	20.00
Temp	16.72		Probe_RADII-C-P_RBT_2750 (FW1305-0969.19 Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	69.19	2.75	105.00
WVFS8	14.55		Probe_ELine_BowSpring_Centralizer-P_EB2.8875 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.8875	2.75	20.00
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					
DCCL	6.51		Probe_GR_CCL-P_CGR_2750_S (FW13074.54) Probe 2-3/4" Digital CCL / Gamma Ray Combined	74.54	2.75	55.00
CCL	6.51					
GR	5.30					



Probe\_ELine\_BowSpring\_Centralizer-P\_EB  
Probe 2-3/4" Electric Inline Bowspring Centralizer

2.8875

2.75

20.00

Dataset: PROCESSED\_SRC Energy\_Beebe 23C-26-M\_RBL\_08-18-17.db: field/well/run1/pass22  
Total length: 23.40 ft  
Total weight: 225.40 lb  
O.D.: 2.75 in

### Calibration Report

Database File C:\ProgramData\Warrior\Data\synergy\_beebe\_23c-26-m\_rbl\_18\_aug\_2017\PROCESSED\_SRC Energy\_Beebe 23C-26-M\_RBL\_08-18-17.db: field/well/run1/pass22  
Dataset Pathname pass22  
Dataset Creation Fri Aug 18 10:19:50 2017

### 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: FW1305-096  
Tool Model: P\_RBT\_2750  
  
Calibration Casing Diameter: 5.500 in  
Calibration Depth: -29.900 ft

Master Calibration, performed Thu Aug 17 10:42:25 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.447	0.800	71.921	161.021	-0.132
CAL	0.006	0.489				
5'	0.006	0.438	0.800	71.921	164.457	-0.136
SUM						
S1	0.006	0.446	0.000	100.000	227.101	-1.350
S2	0.006	0.445	0.000	100.000	227.593	-1.353
S3	0.006	0.443	0.000	100.000	228.712	-1.343
S4	0.006	0.441	0.000	100.000	230.035	-1.393
S5	0.006	0.444	0.000	100.000	228.425	-1.391
S6	0.006	0.446	0.000	100.000	227.234	-1.373
S7	0.006	0.450	0.000	100.000	225.358	-1.337
S8	0.006	0.451	0.000	100.000	224.765	-1.350

Internal Reference Calibration, performed (Not Performed):



	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	0.489	1.000	0.000

Air Zero Calibration, performed Tue Aug 15 13:18:11 2017:

	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	SRC Energy Inc.
Well	Beebe 23C-26-M
Field	Wattenberg
County	Weld
State	Colorado