

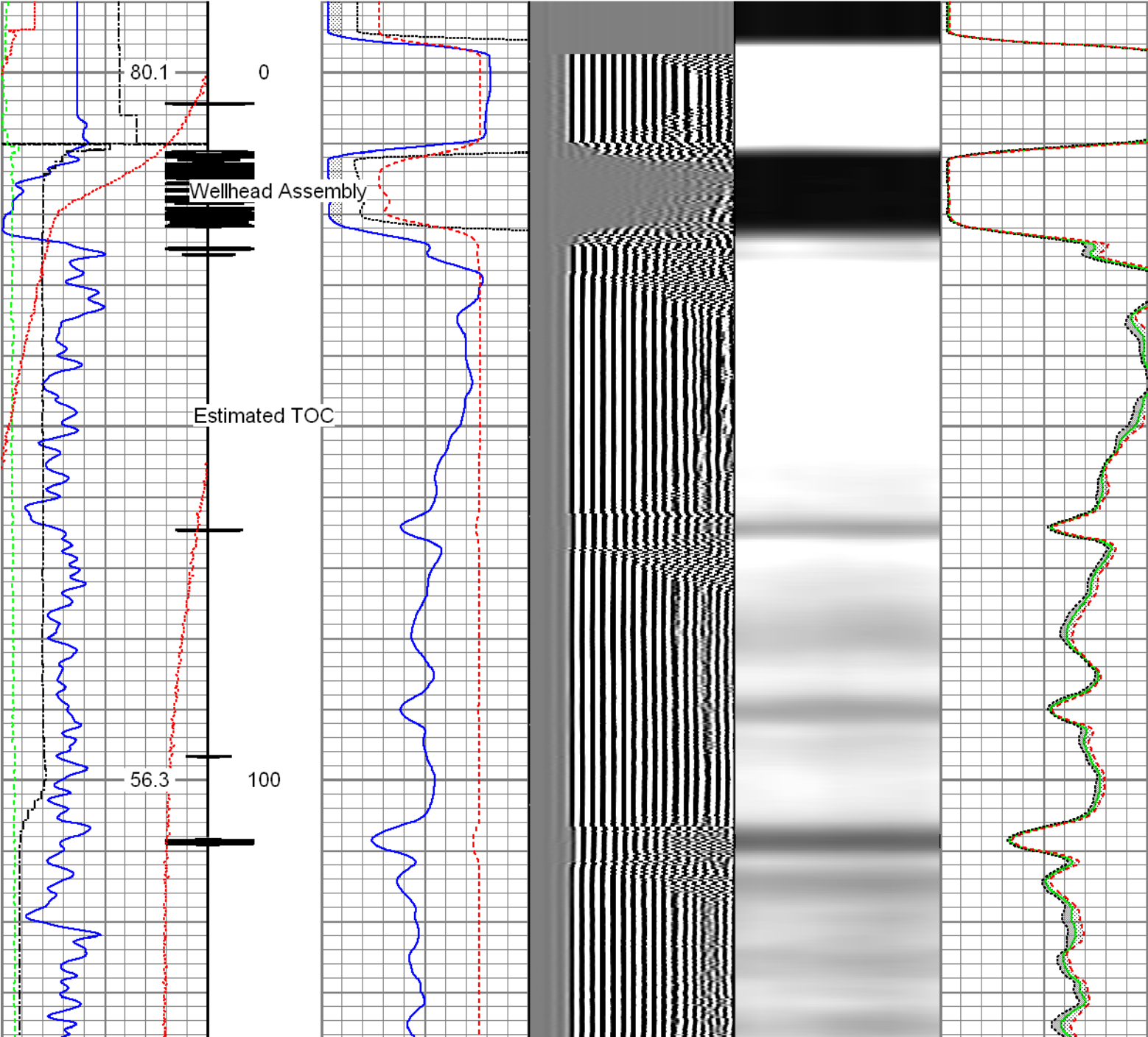


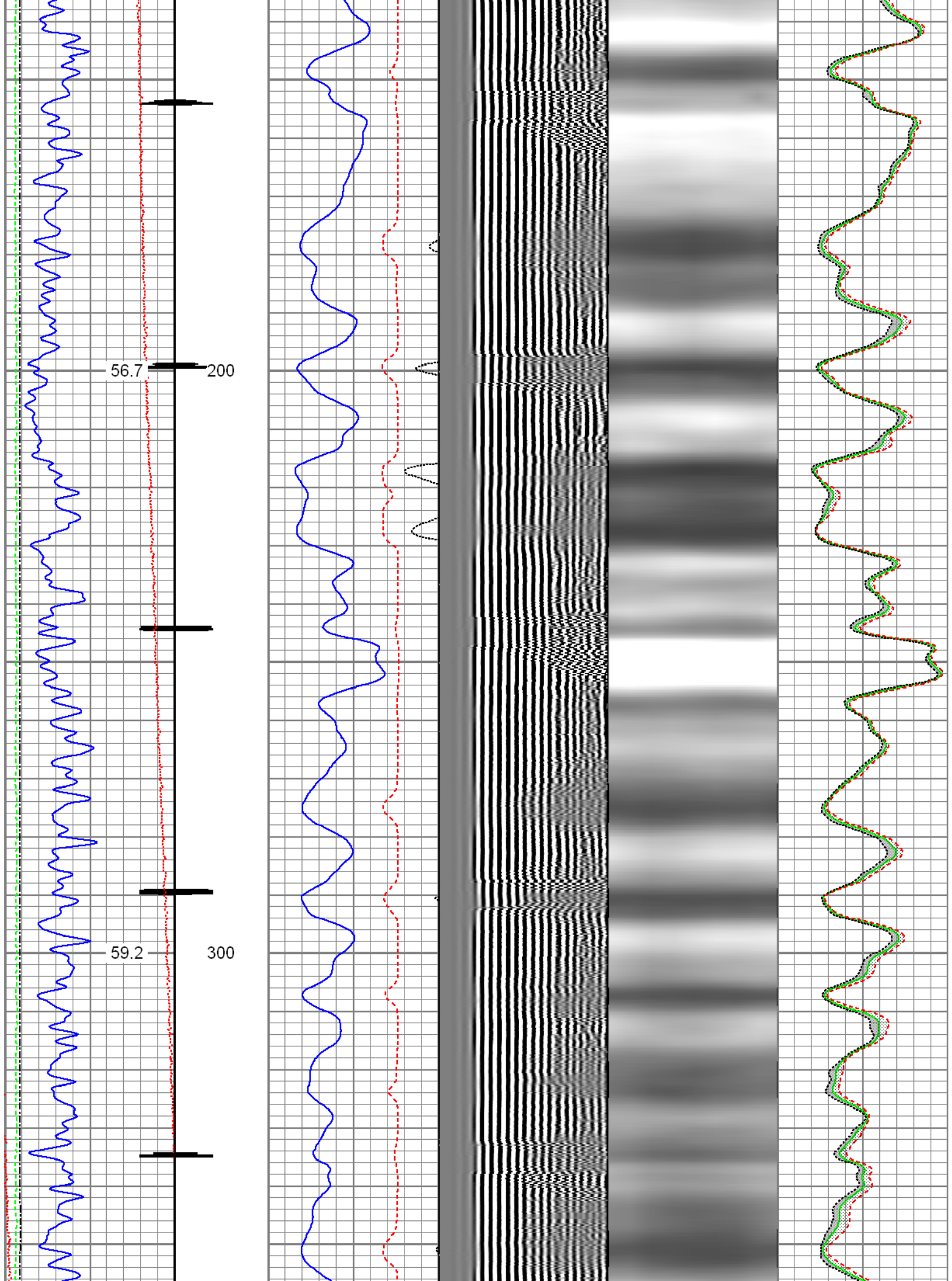
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 Casing Tally reported Marker Joint at 6702' Recorded Marker Joint at 6700'-6722' Log ran from as deep as possible in heel to surface Log ran with 2800 PSI surface induced pressure Logging tools were clean and free of debris upon completion of operations Thank you for choosing FMC Technologies Completion Services, Inc.!!

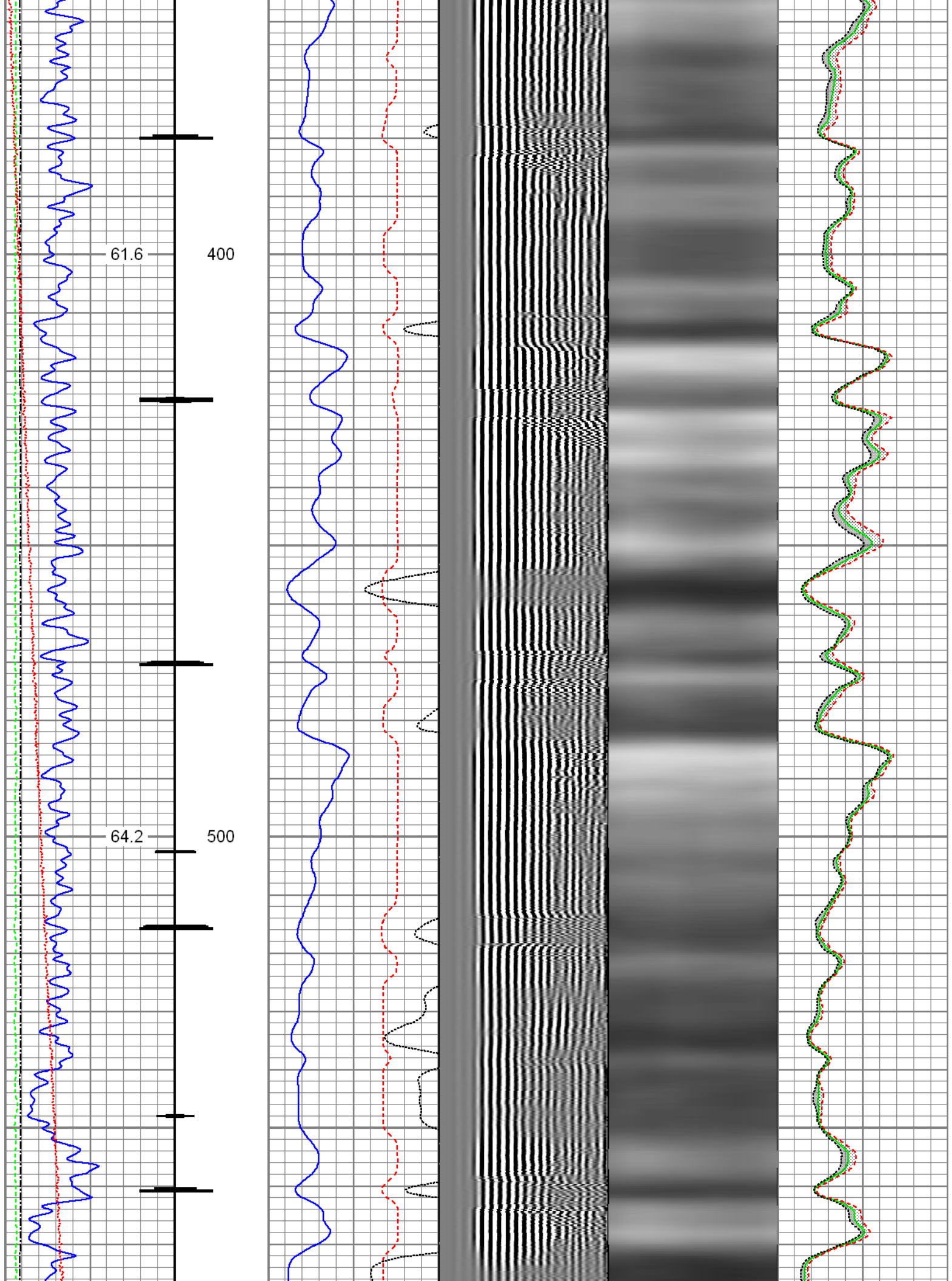


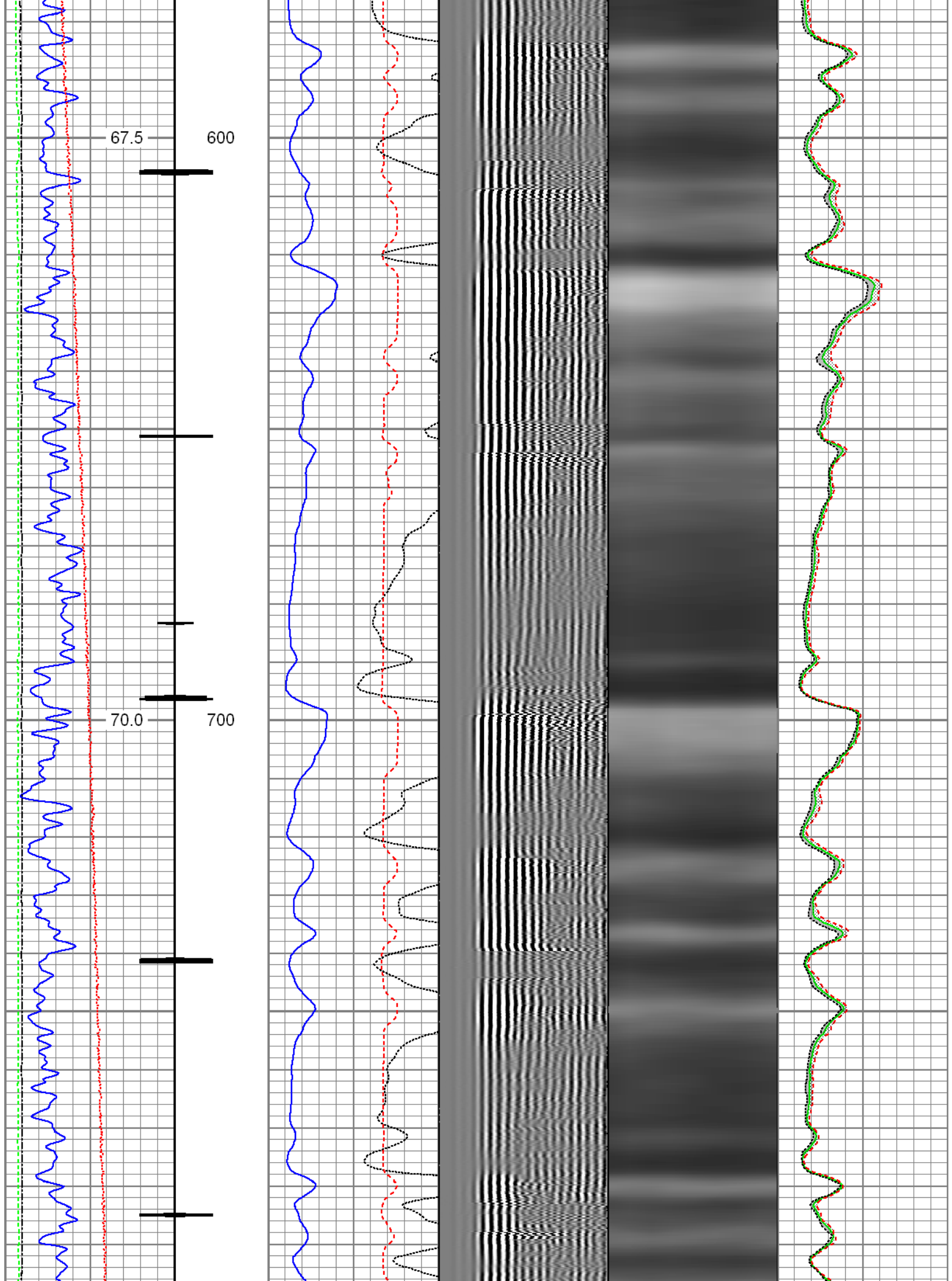
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Dataset Pathname: Main
Presentation Format: rbt004
Dataset Creation: Mon Aug 03 12:35:56 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

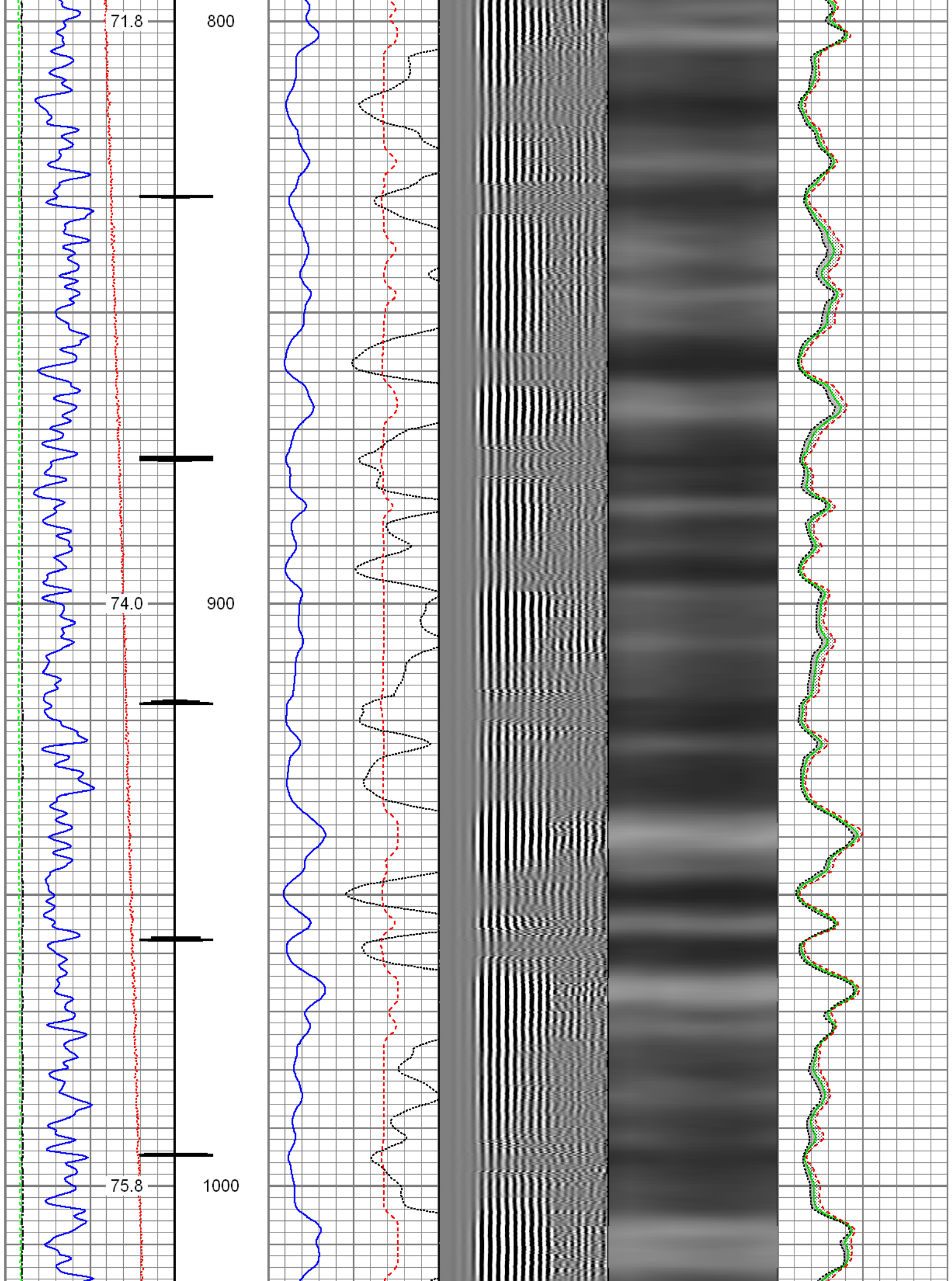
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Line Speed	0 (mV) 20			0 100
-150 (ft/min) 150	3' Travel Time			Maximum Amplitude
Line Tension	650 (usec) 150			0 100
0 (lb) 2000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

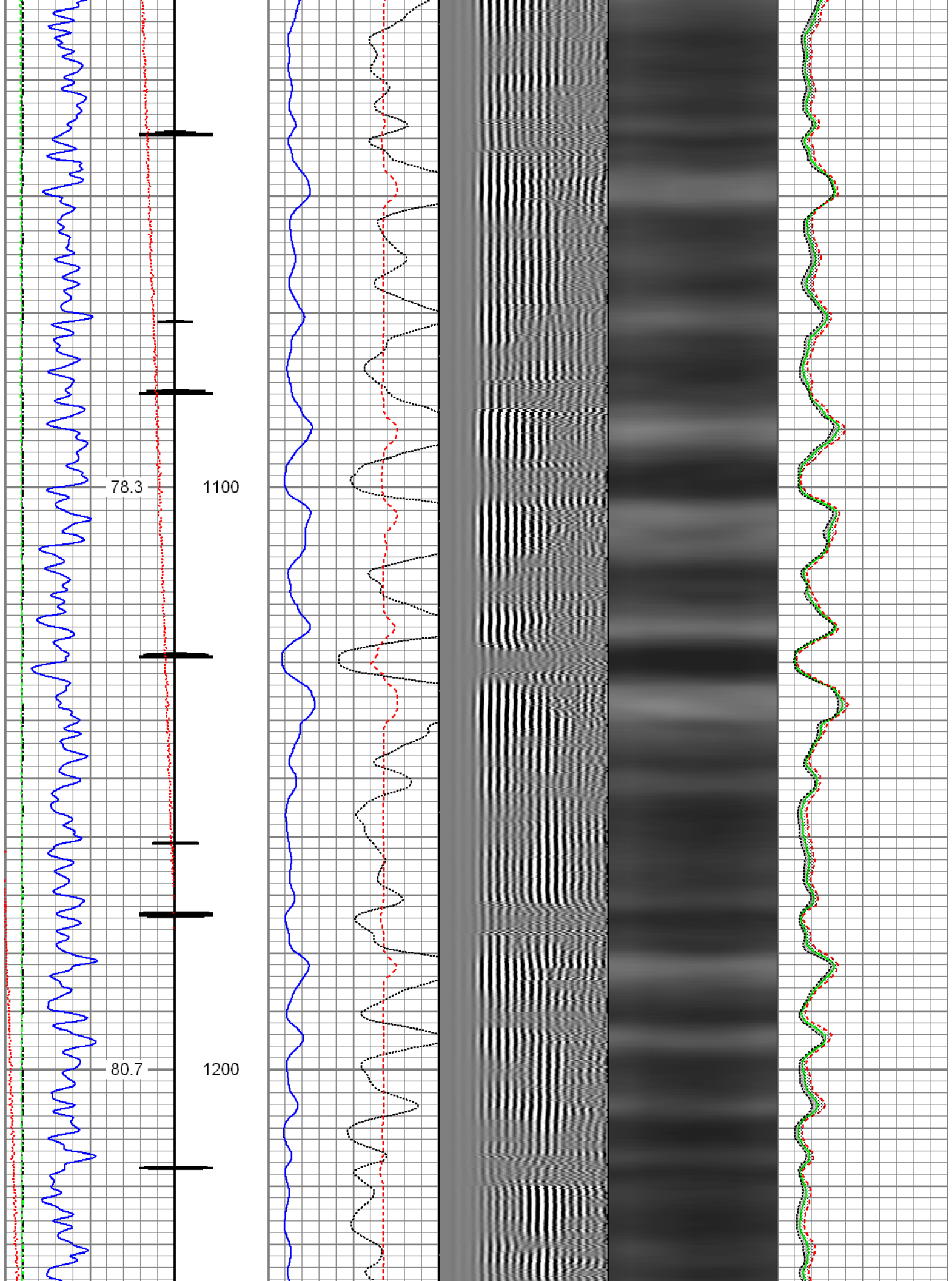


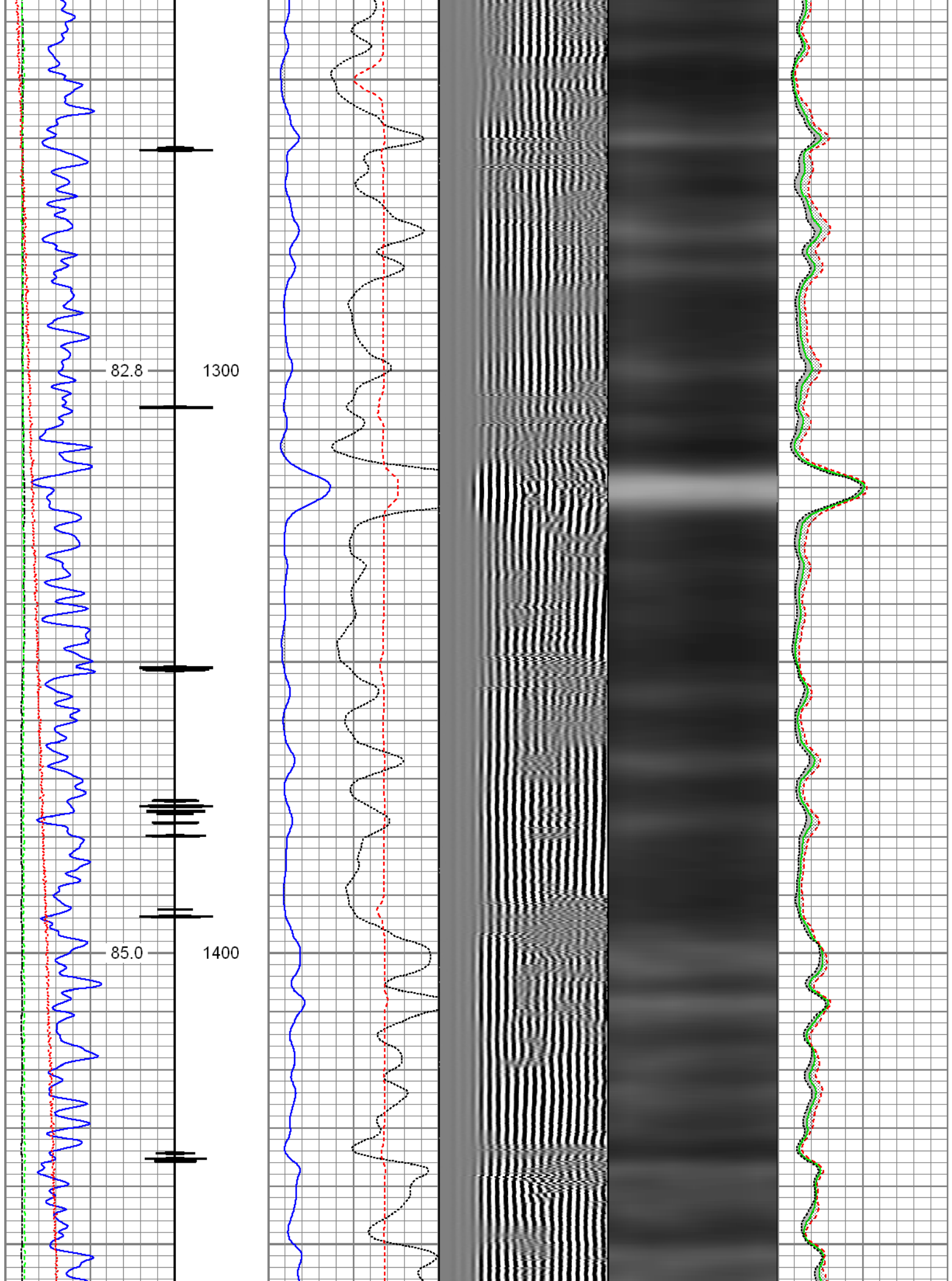


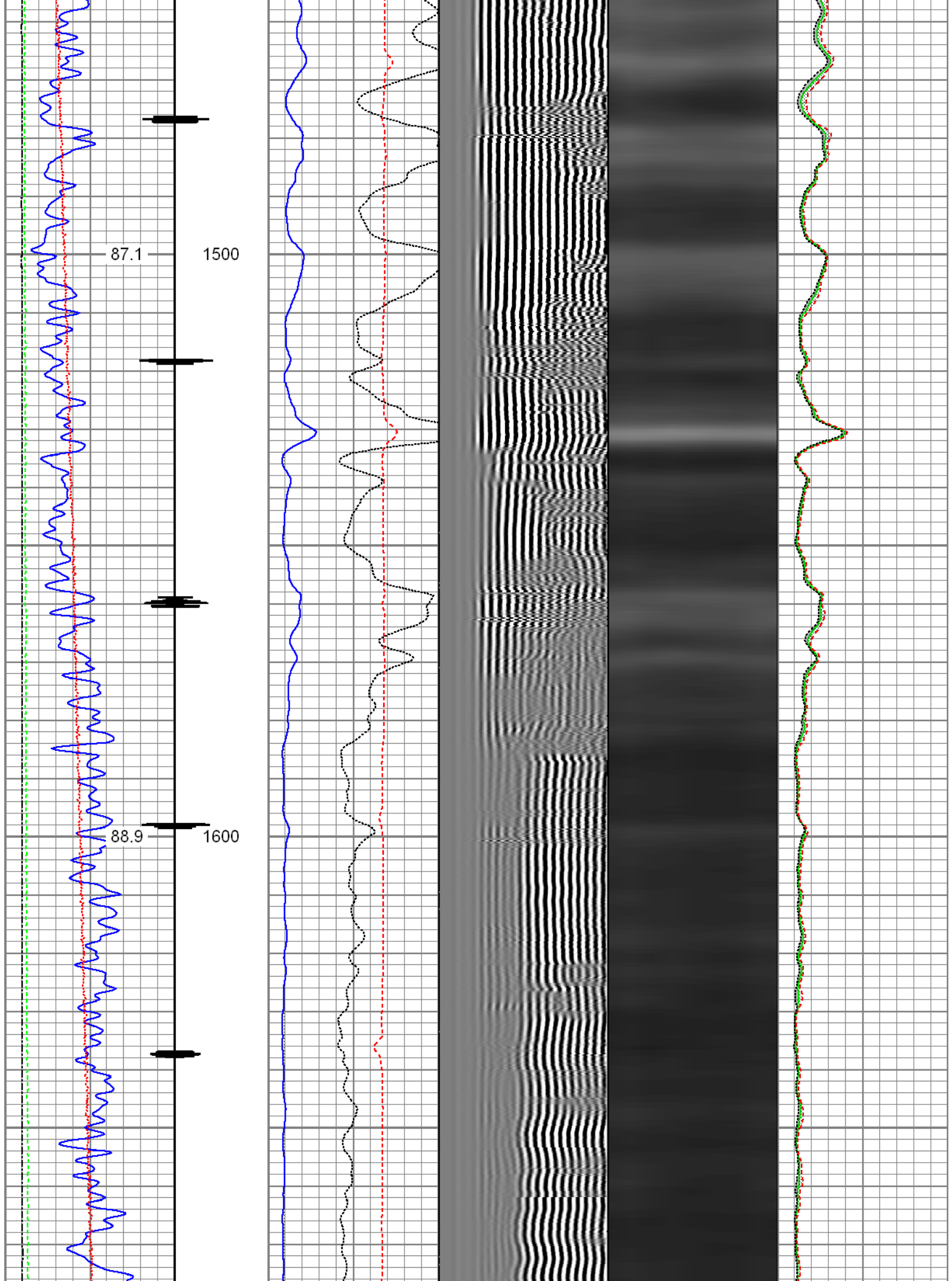


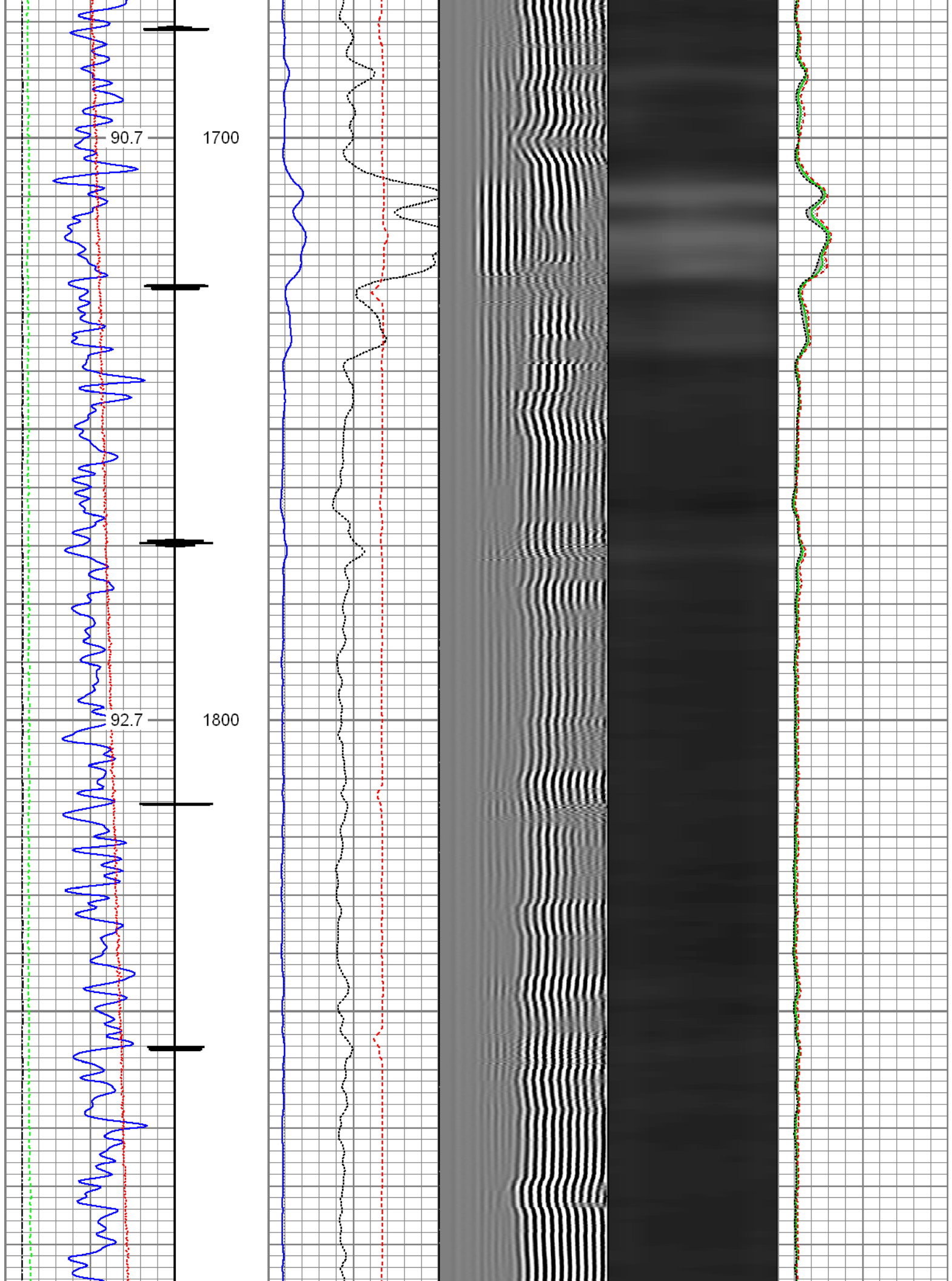


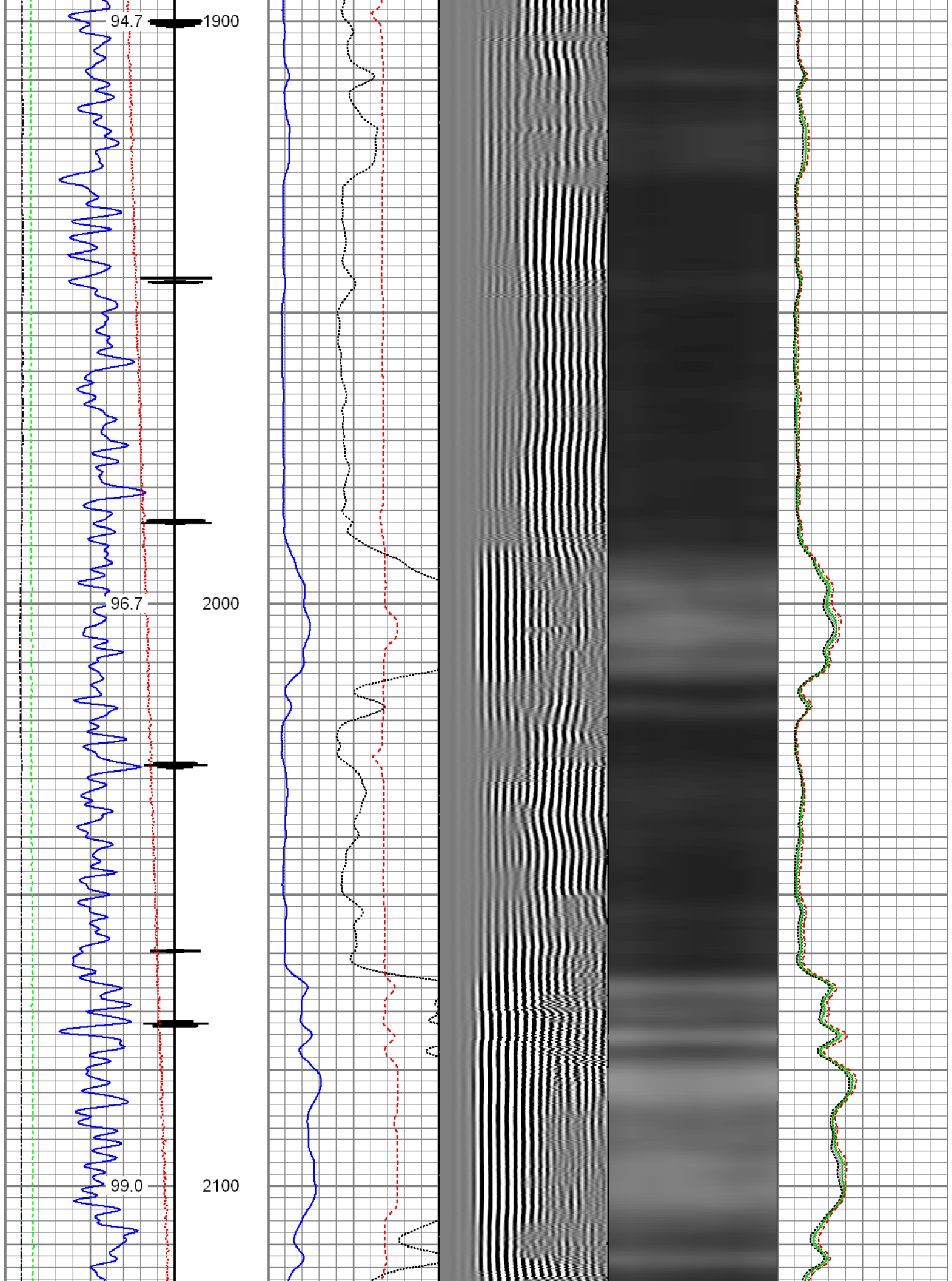


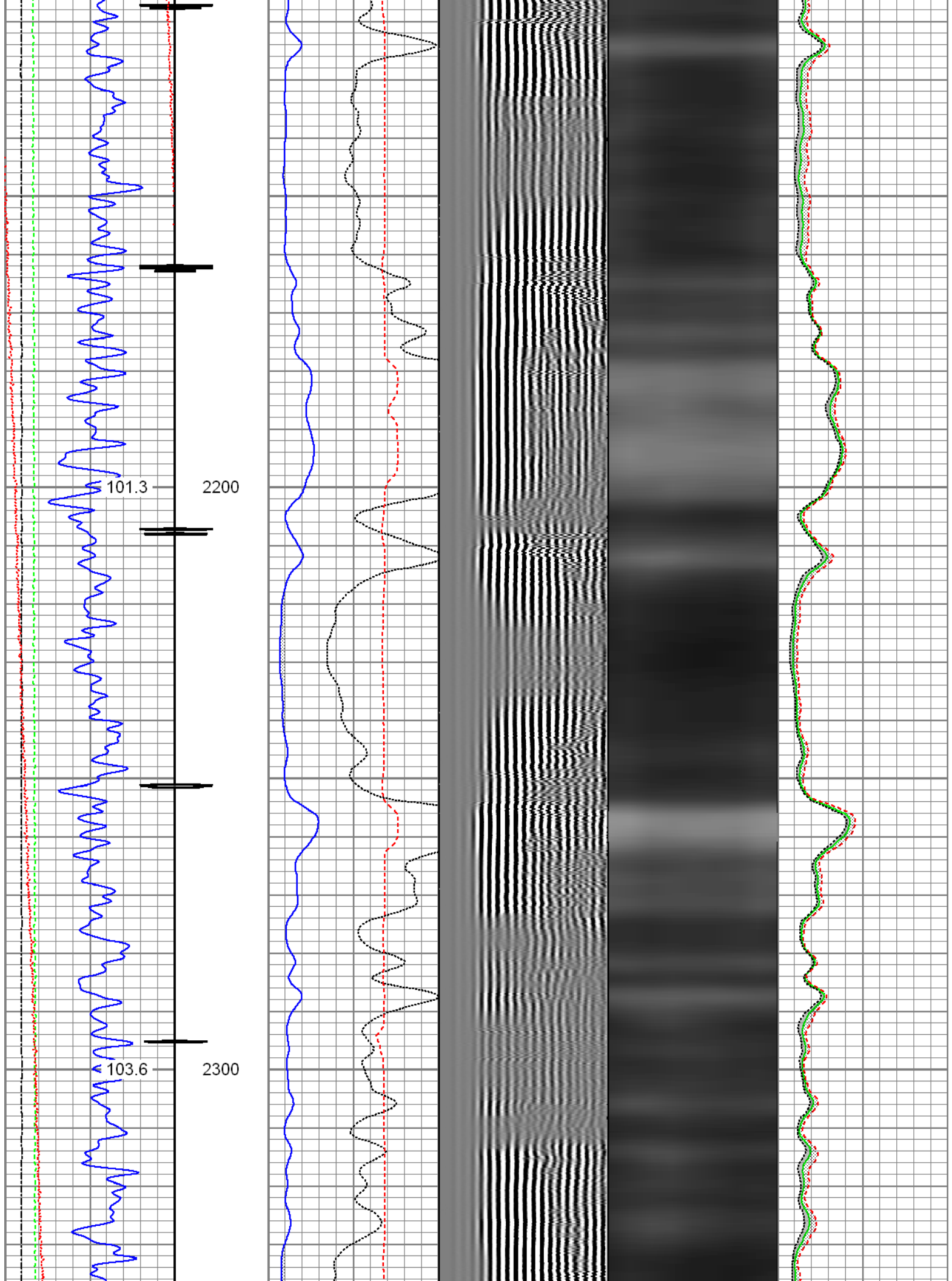


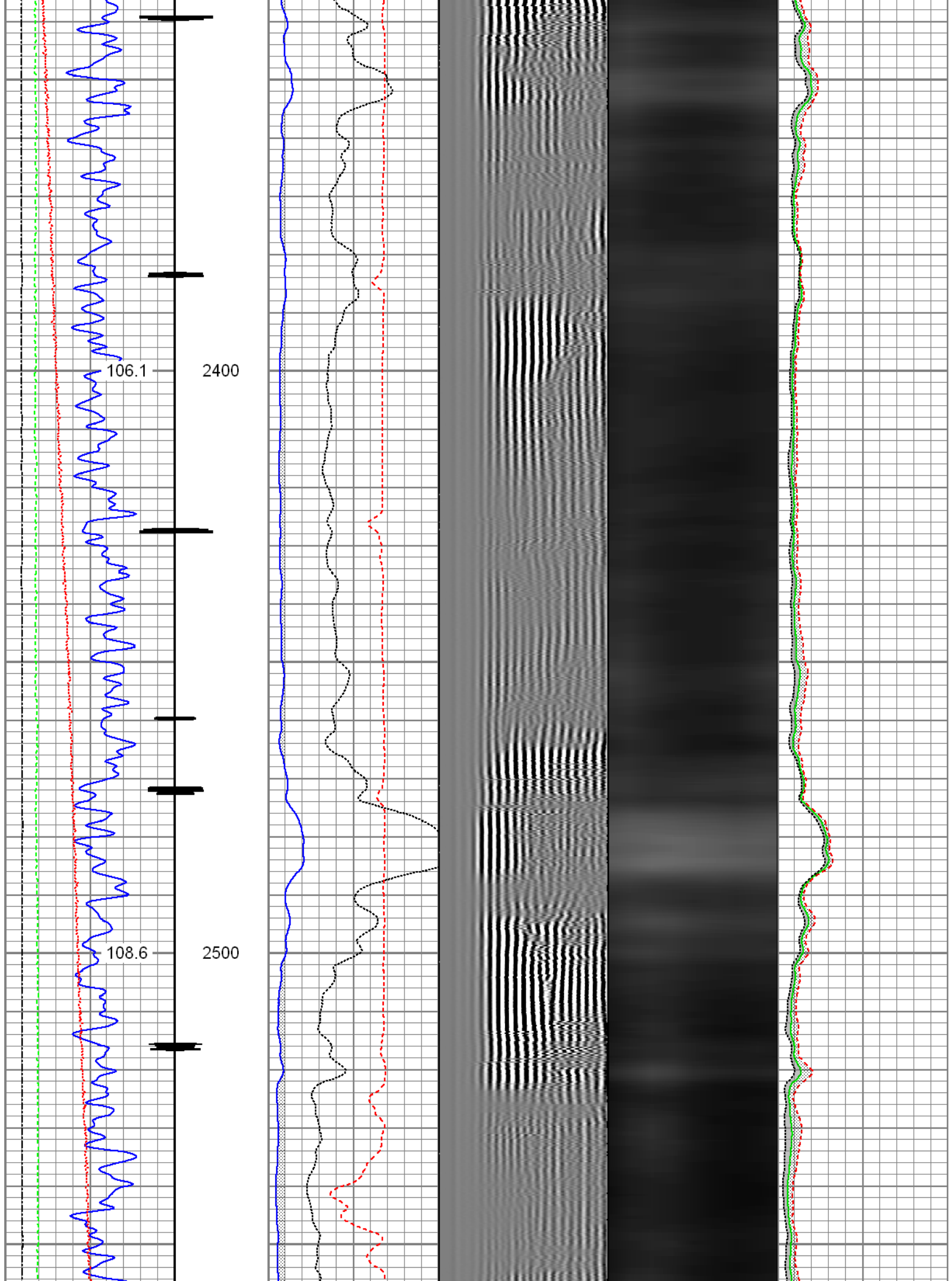


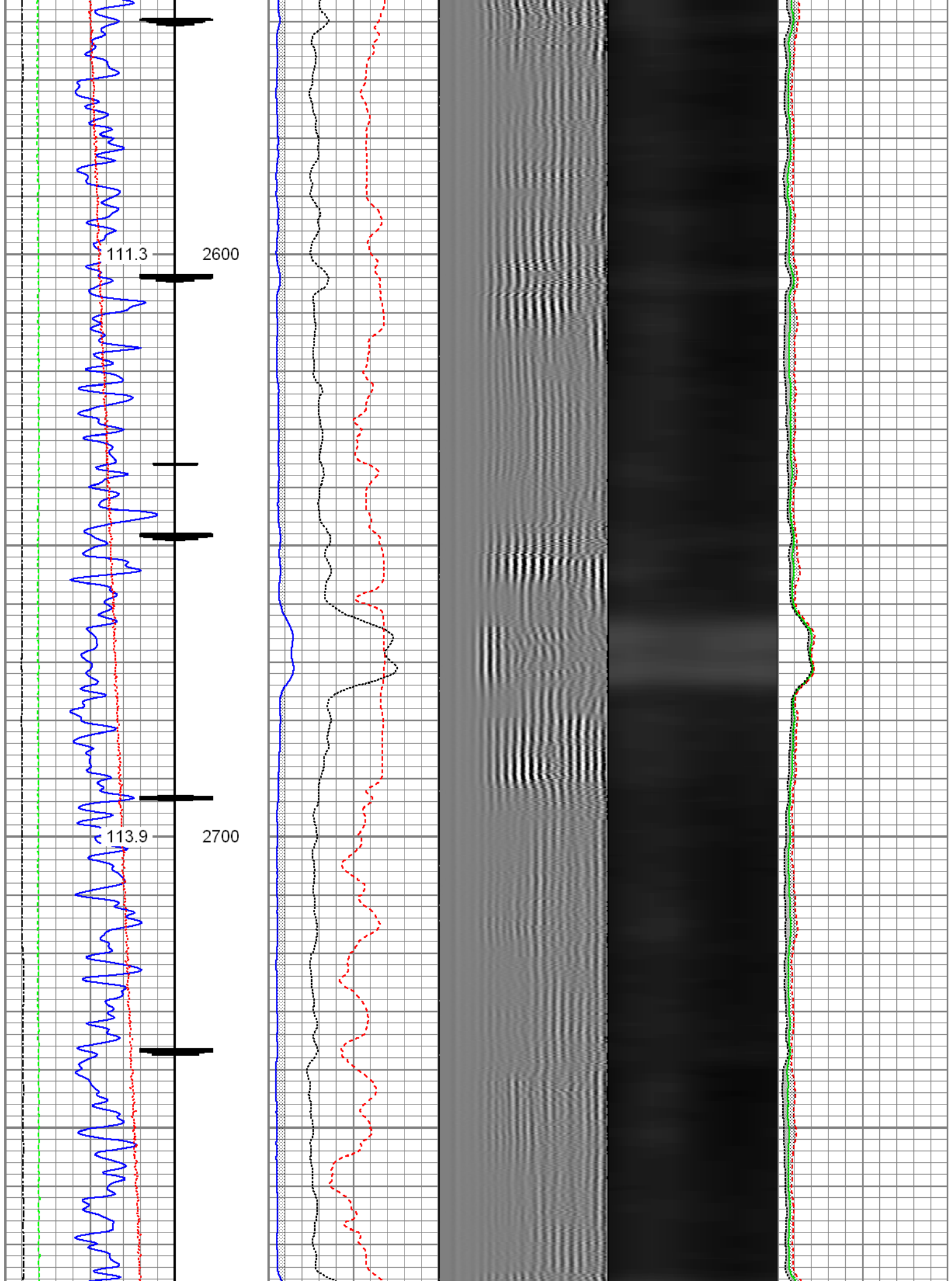


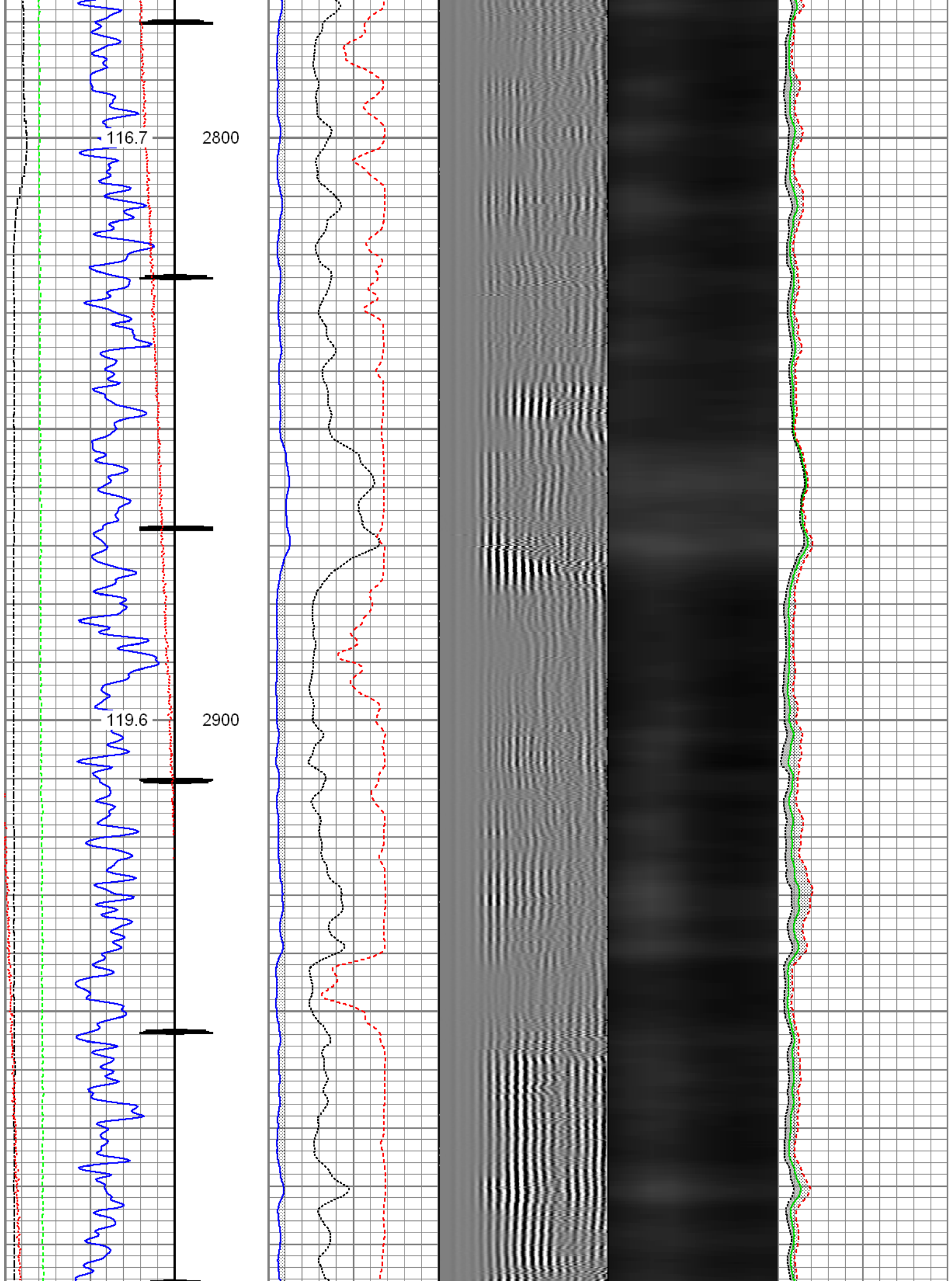


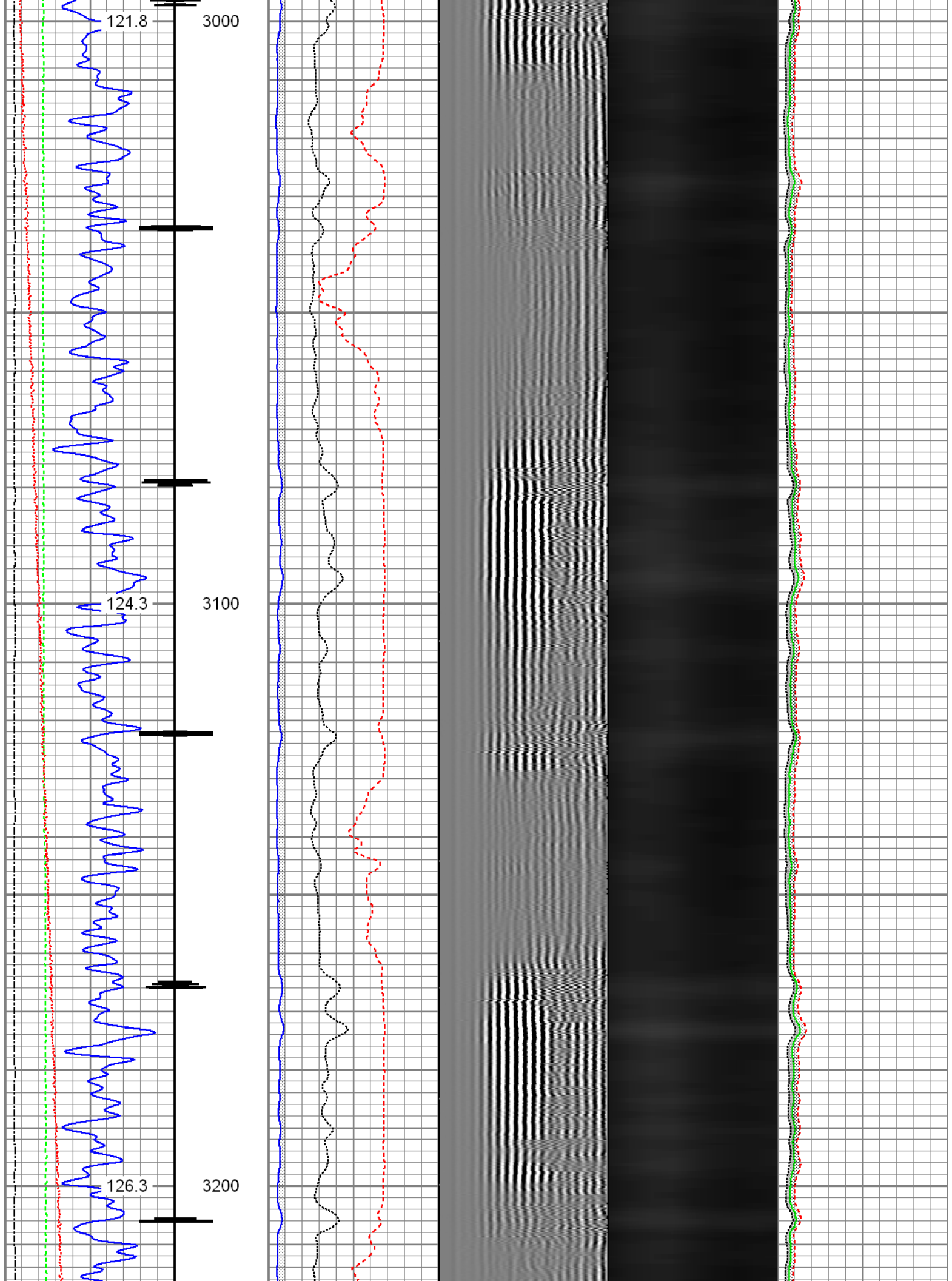


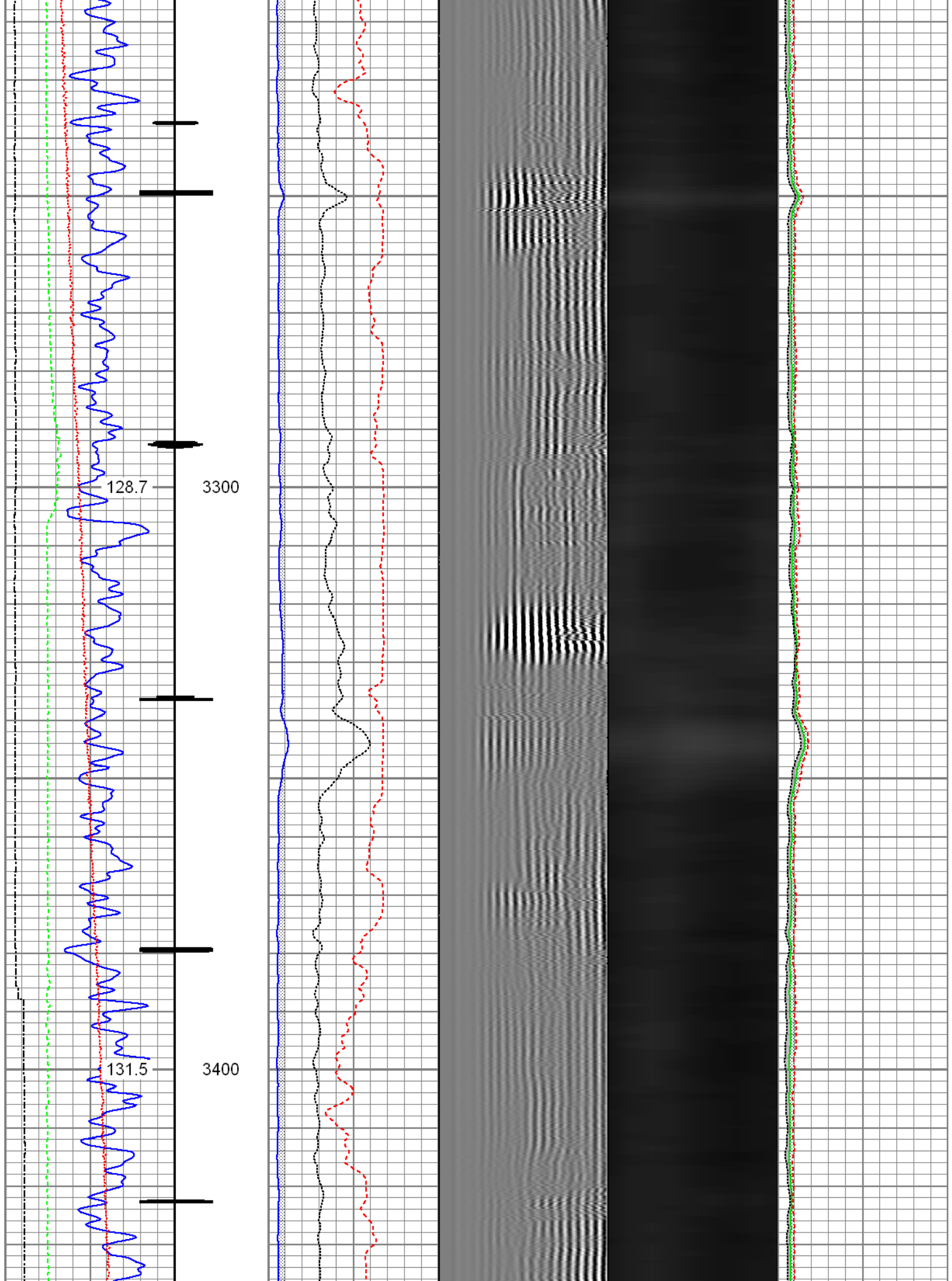


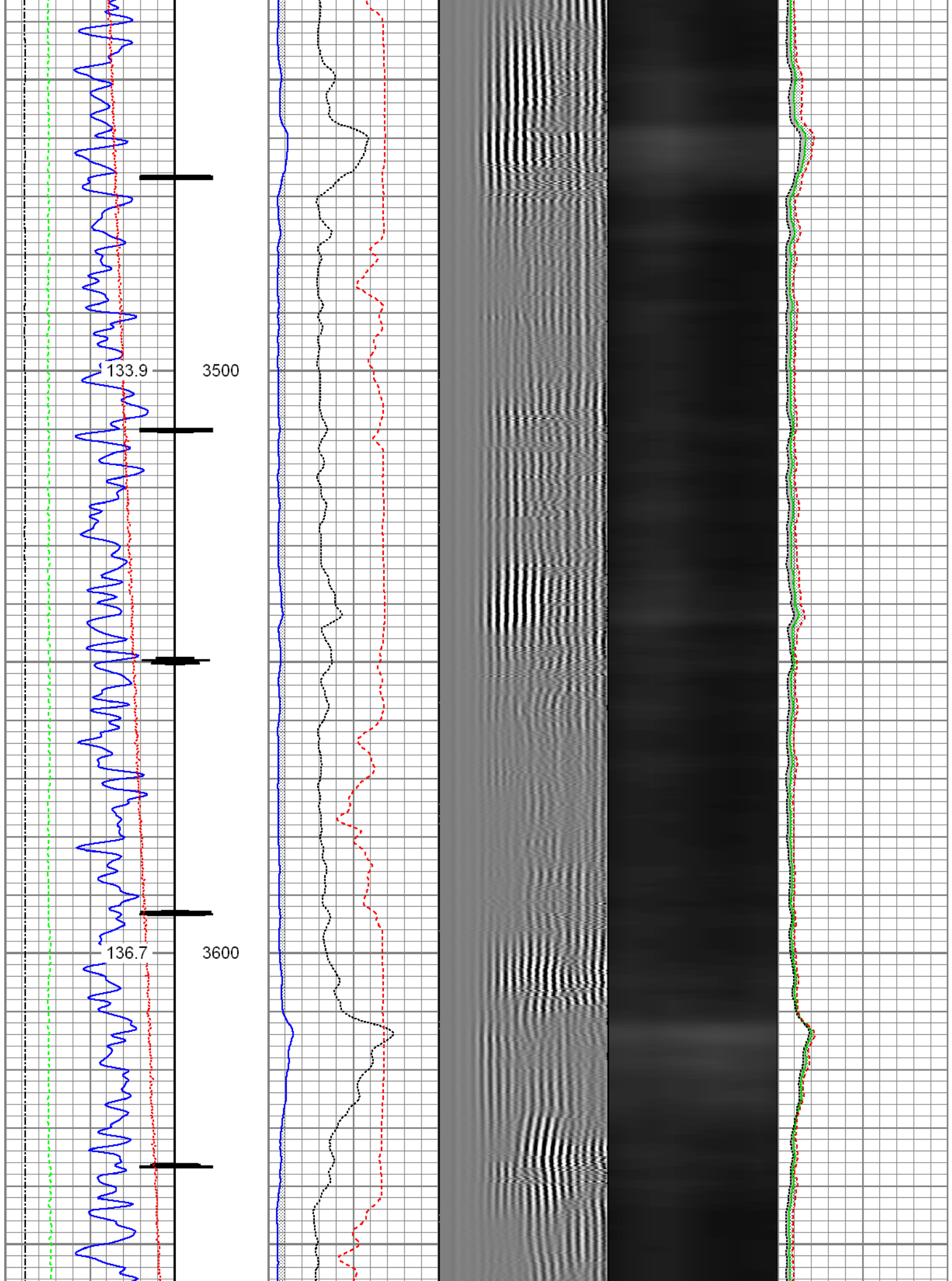


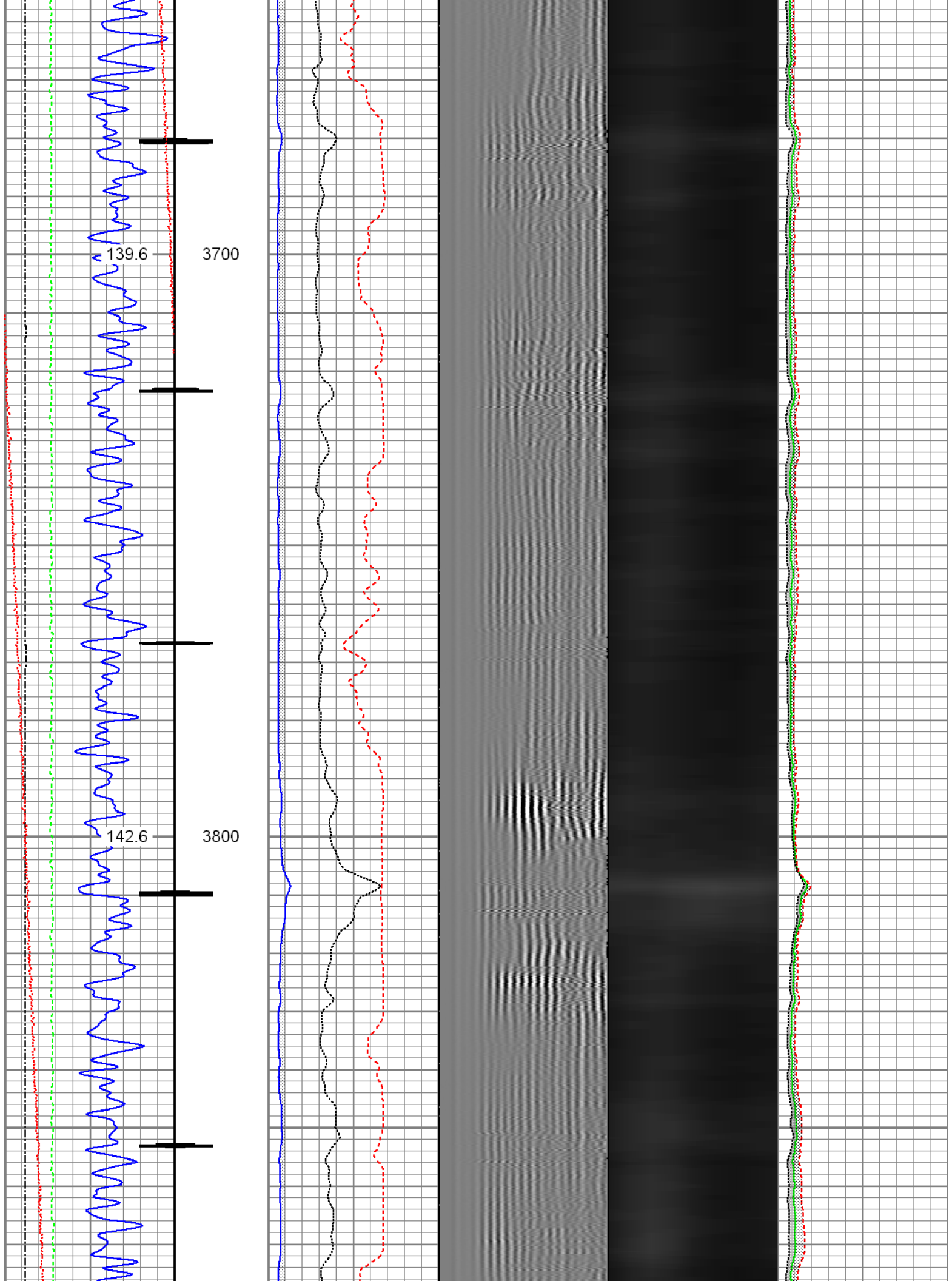


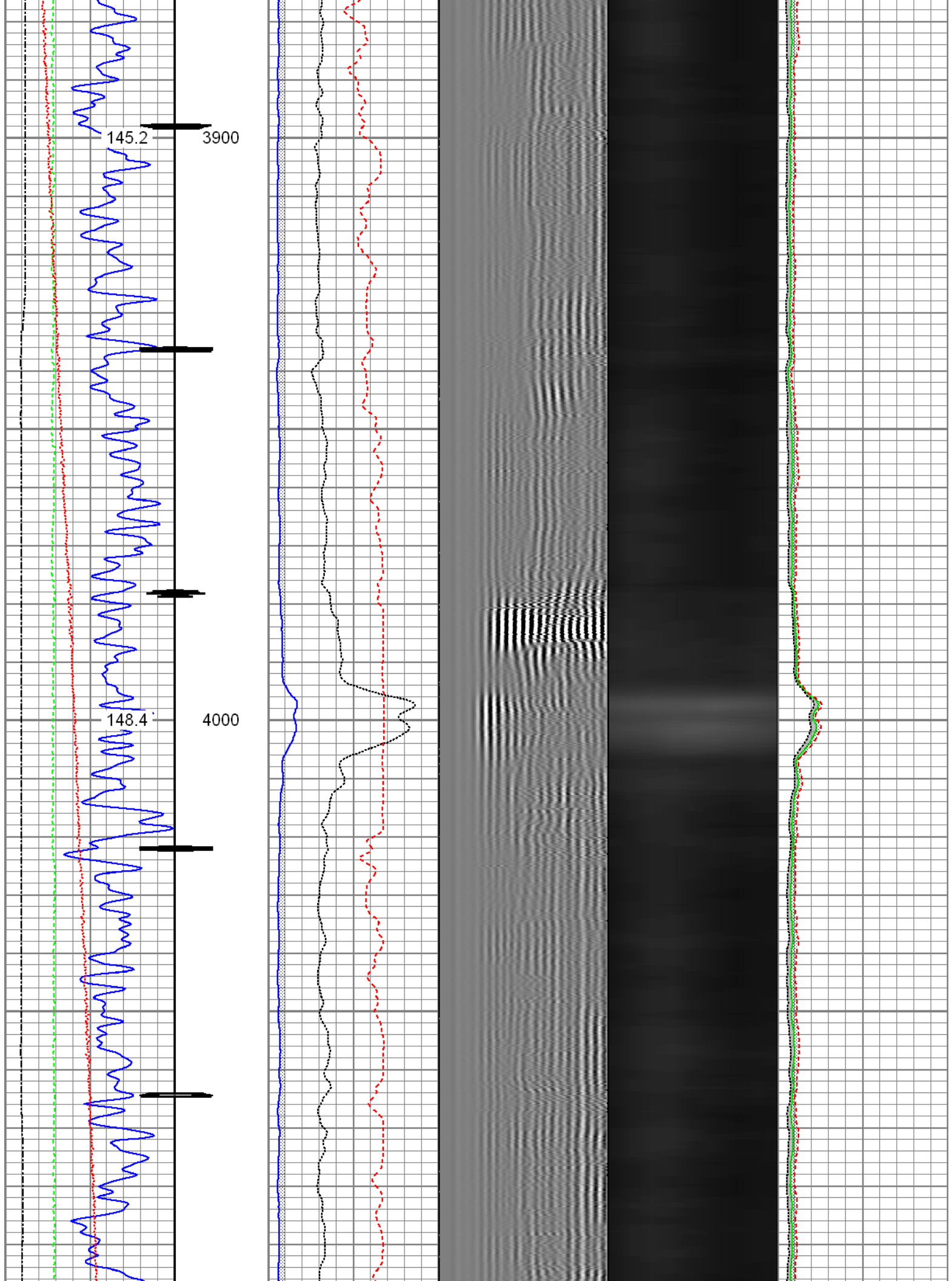


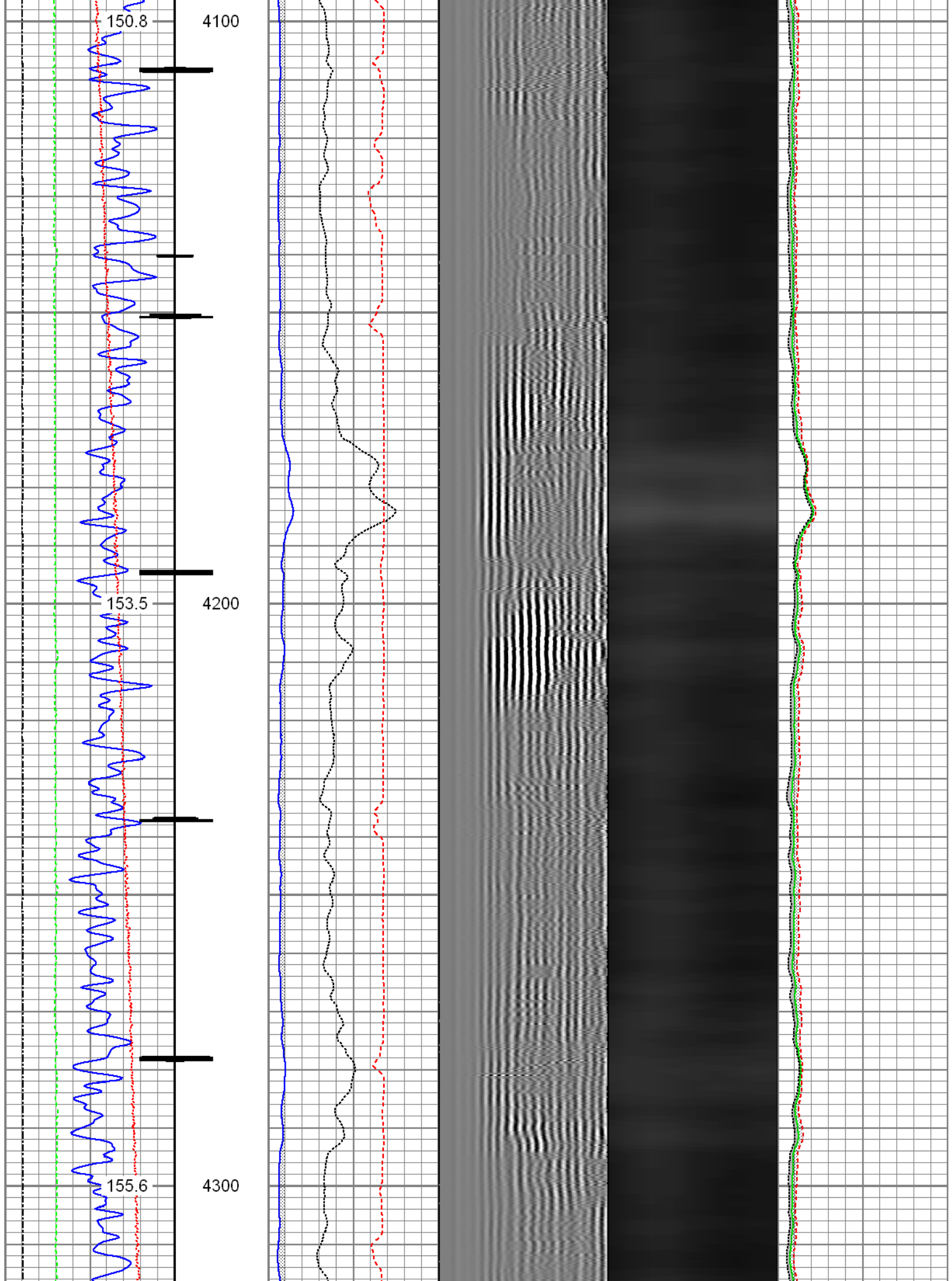


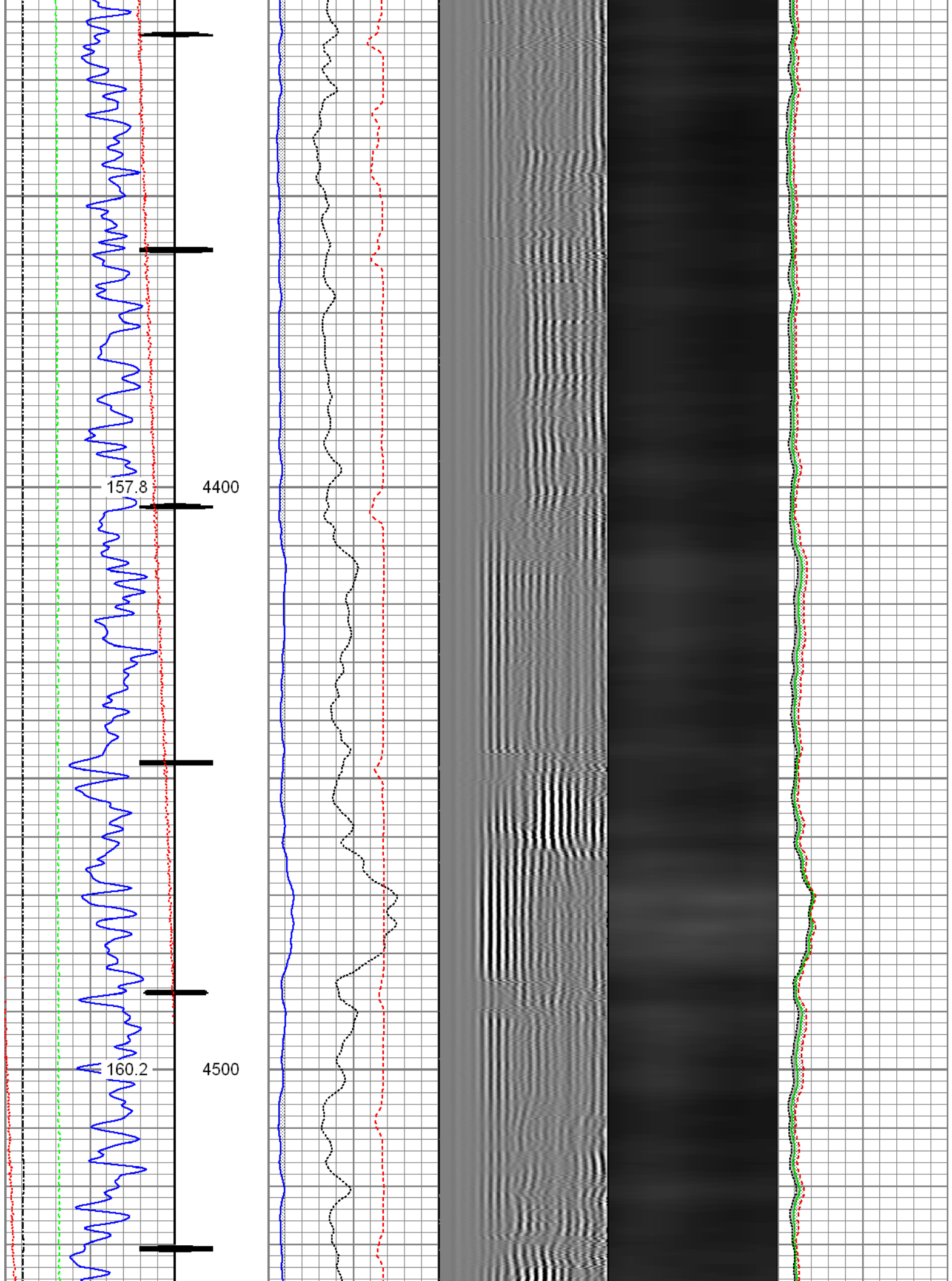


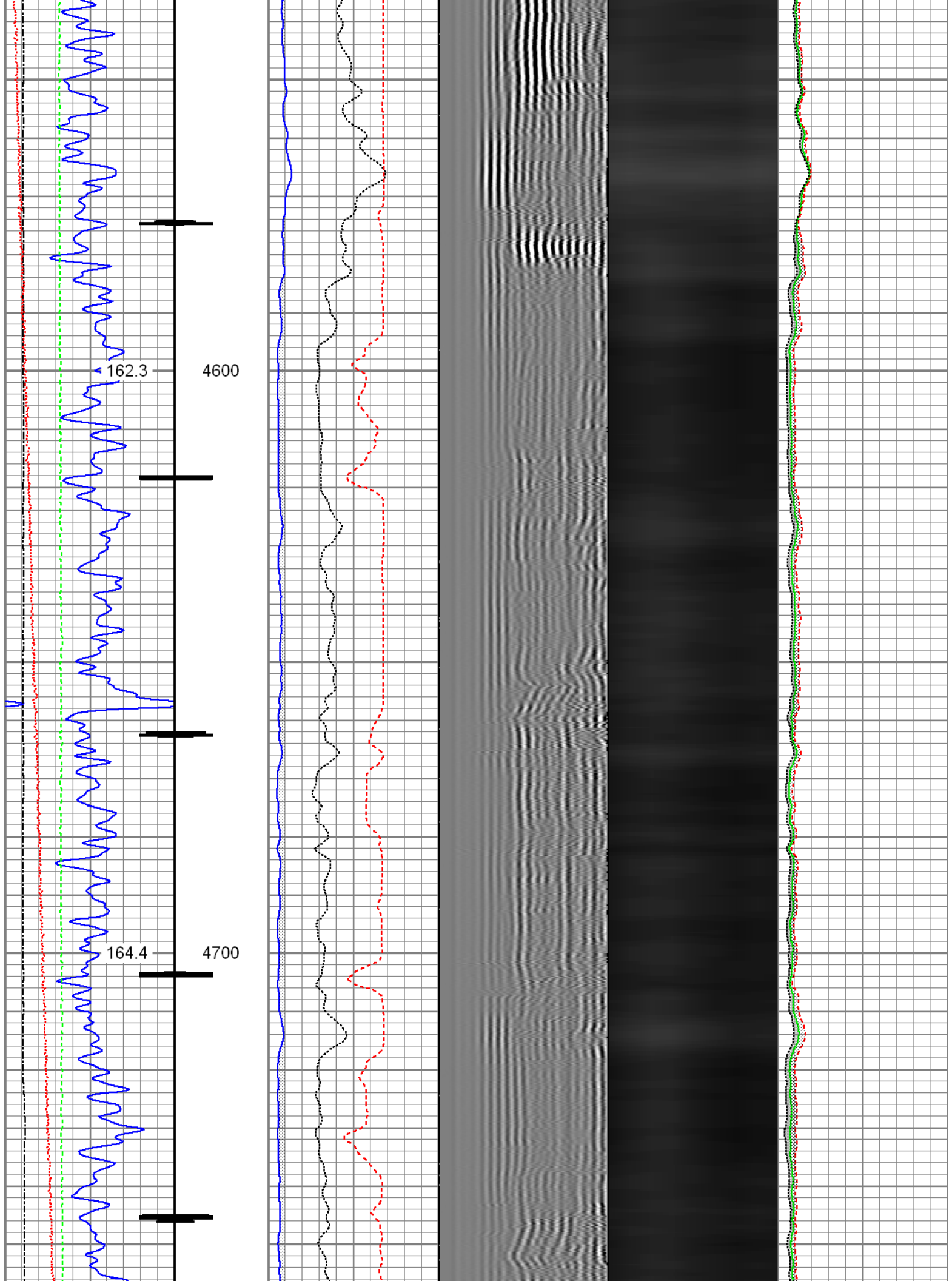


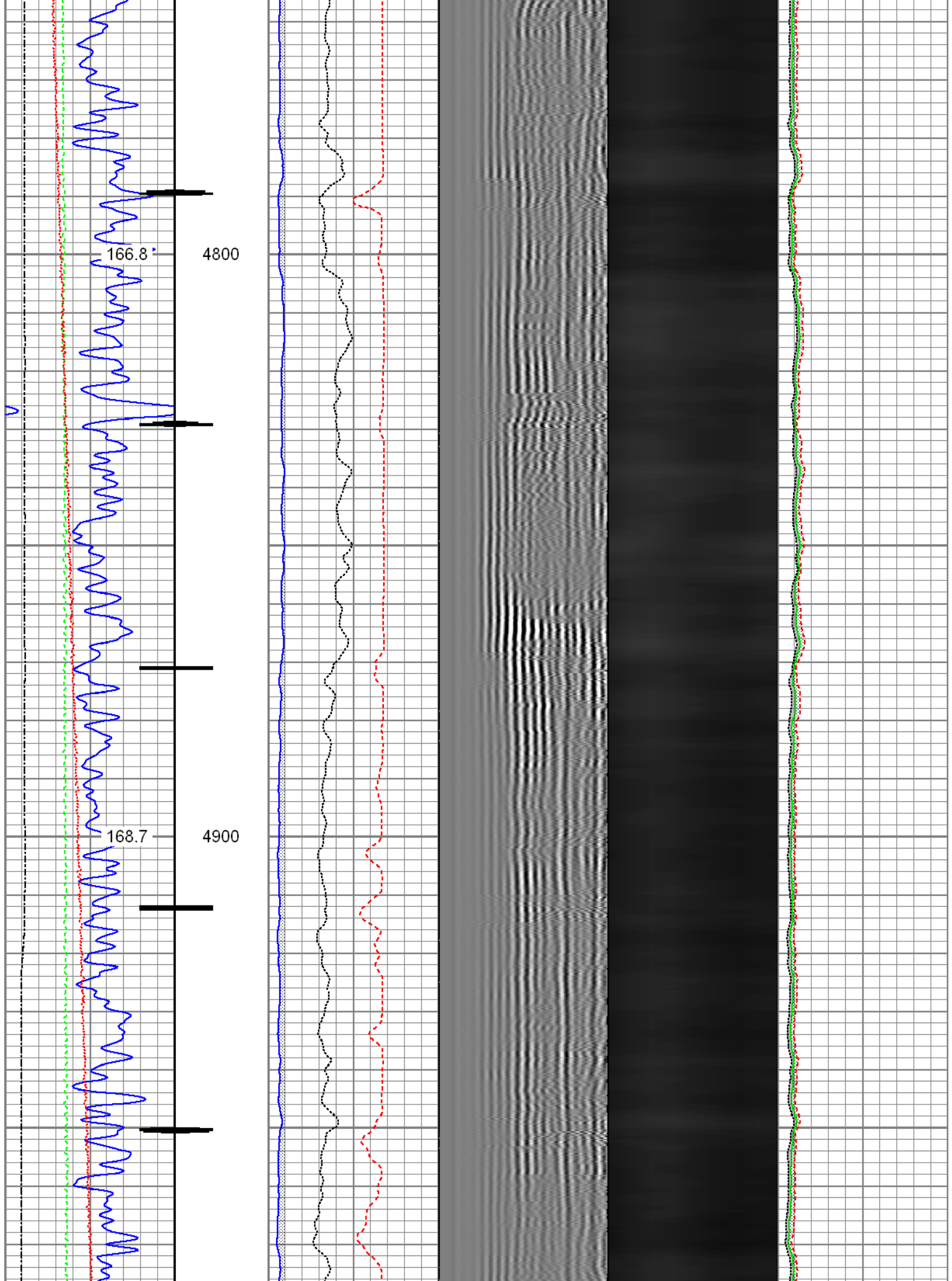


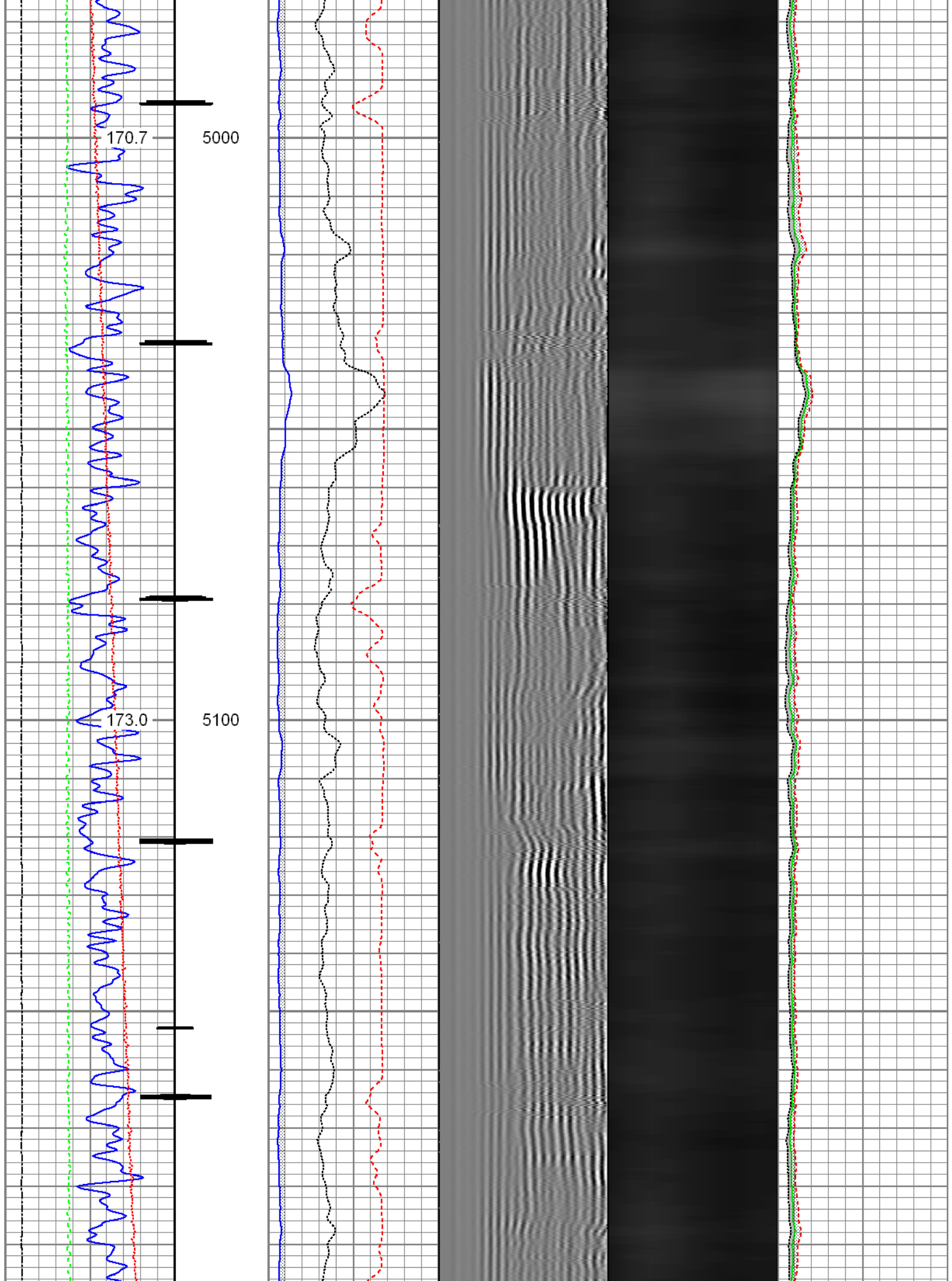


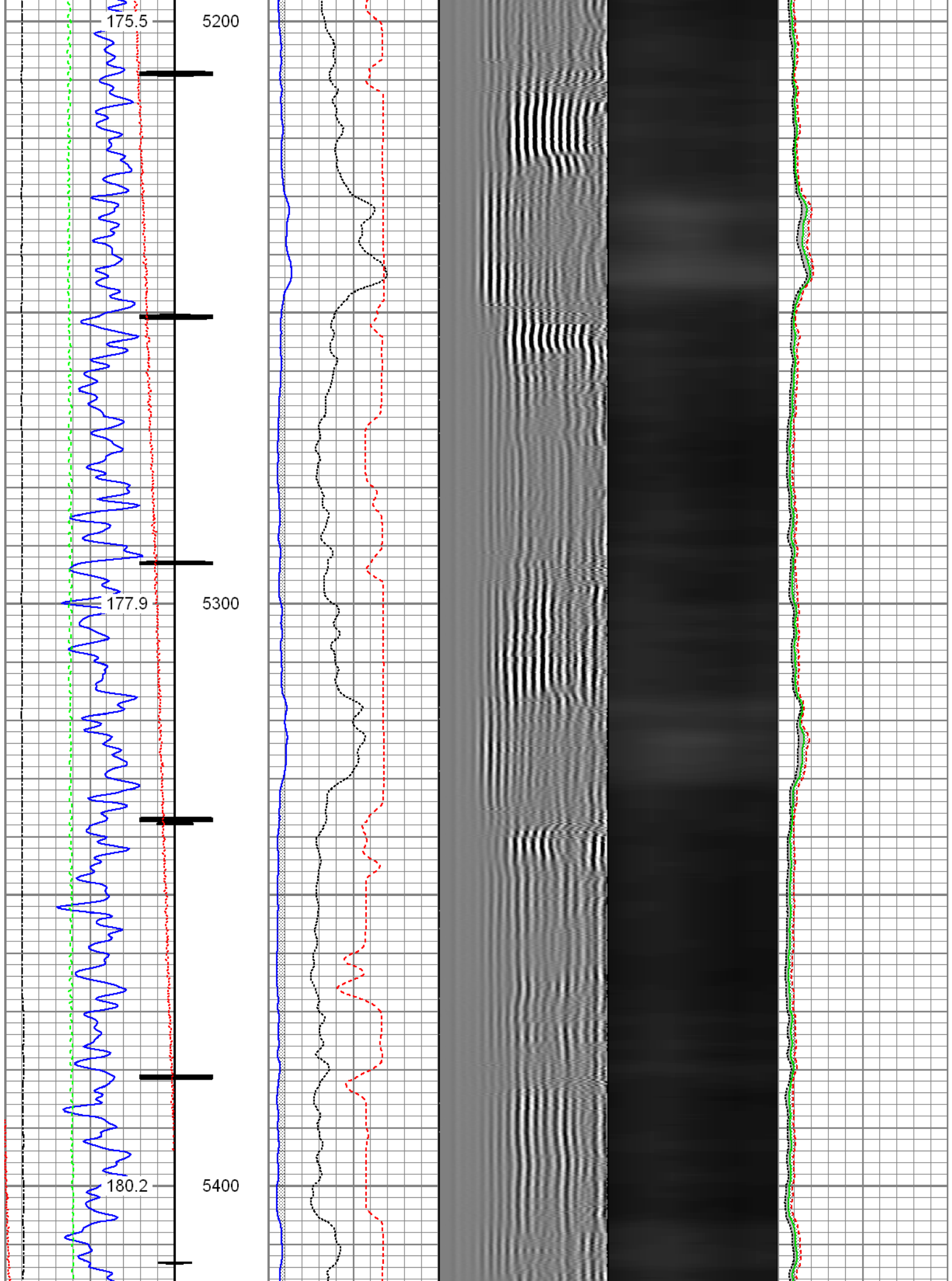


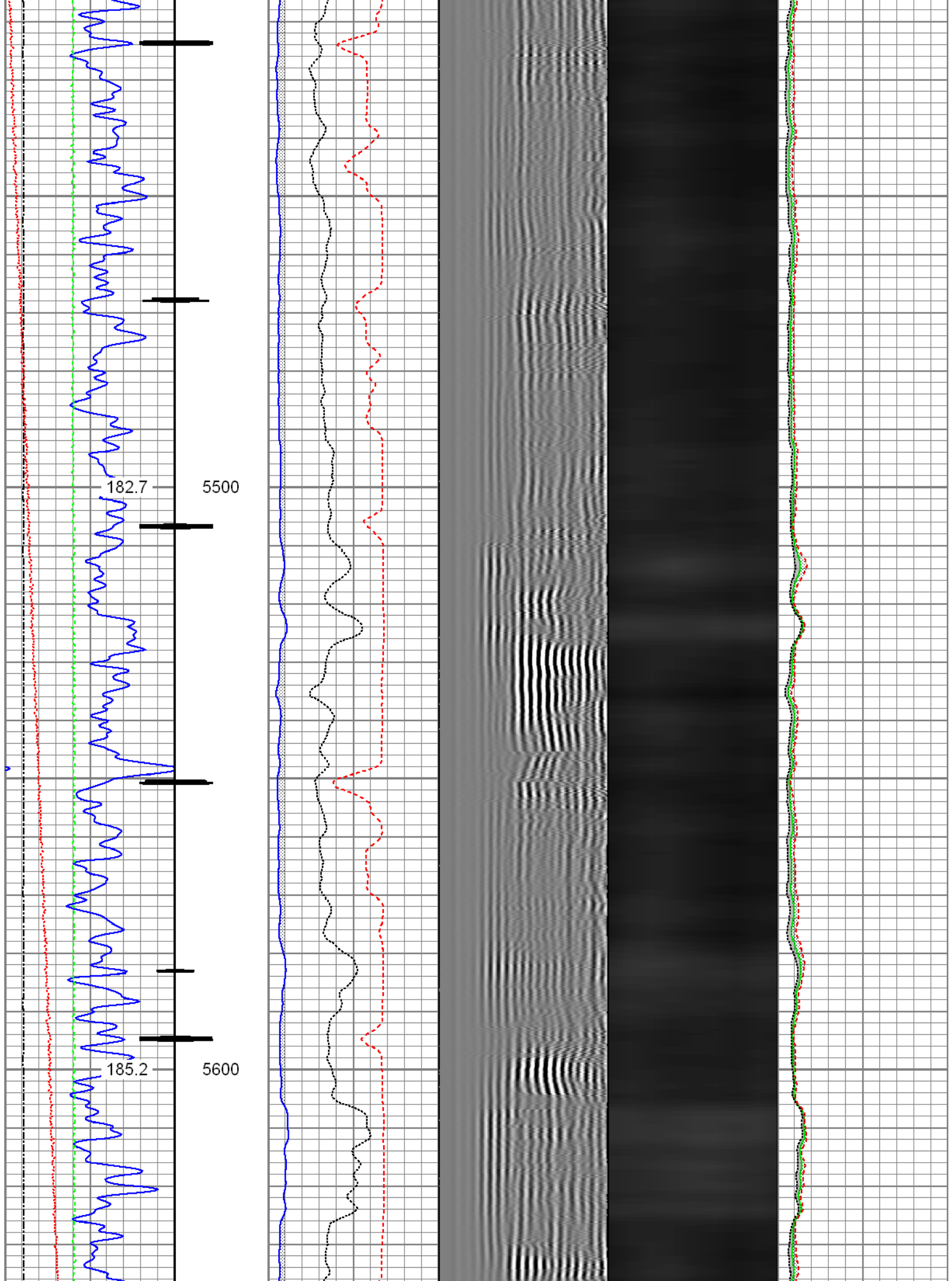


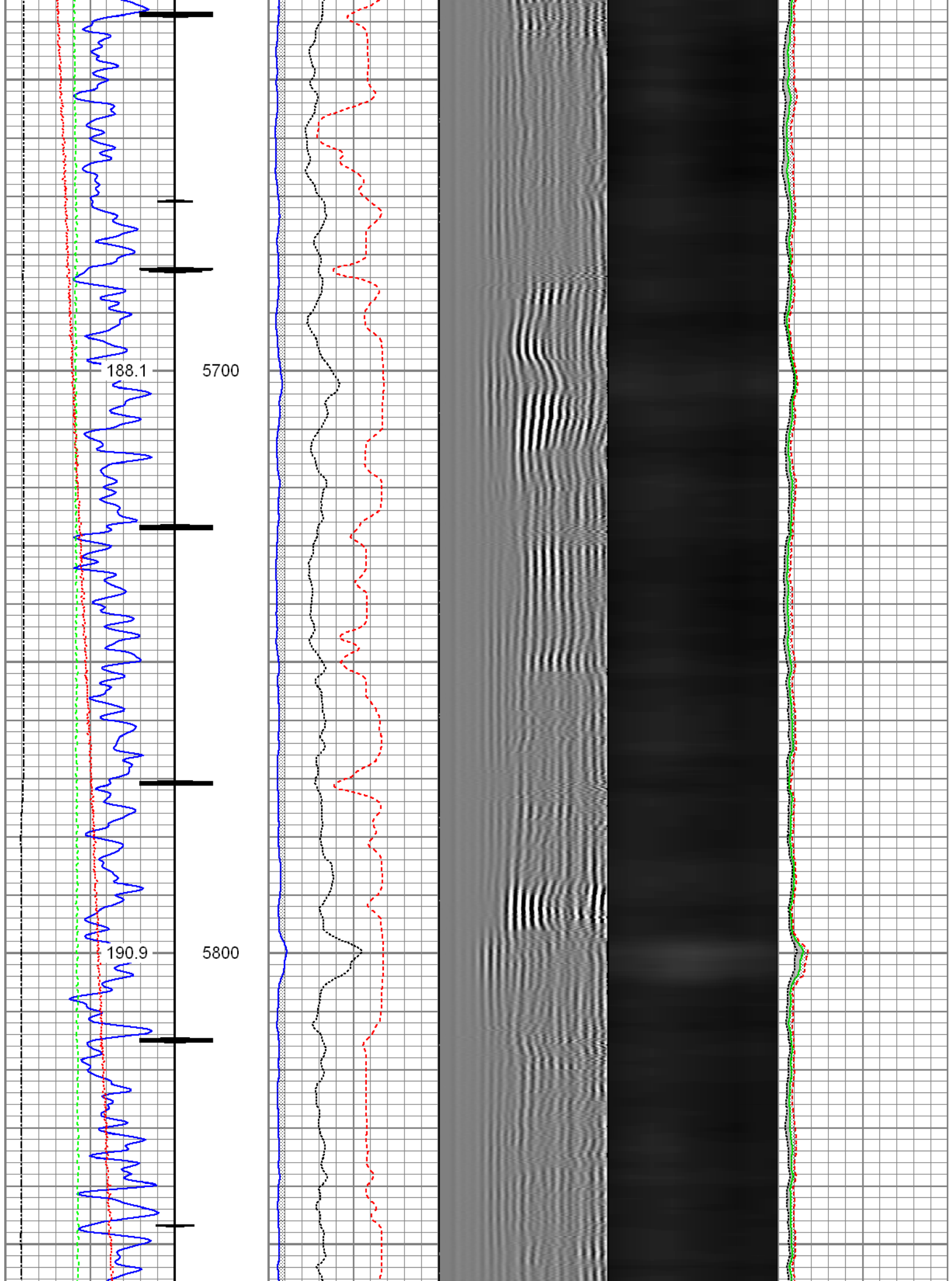


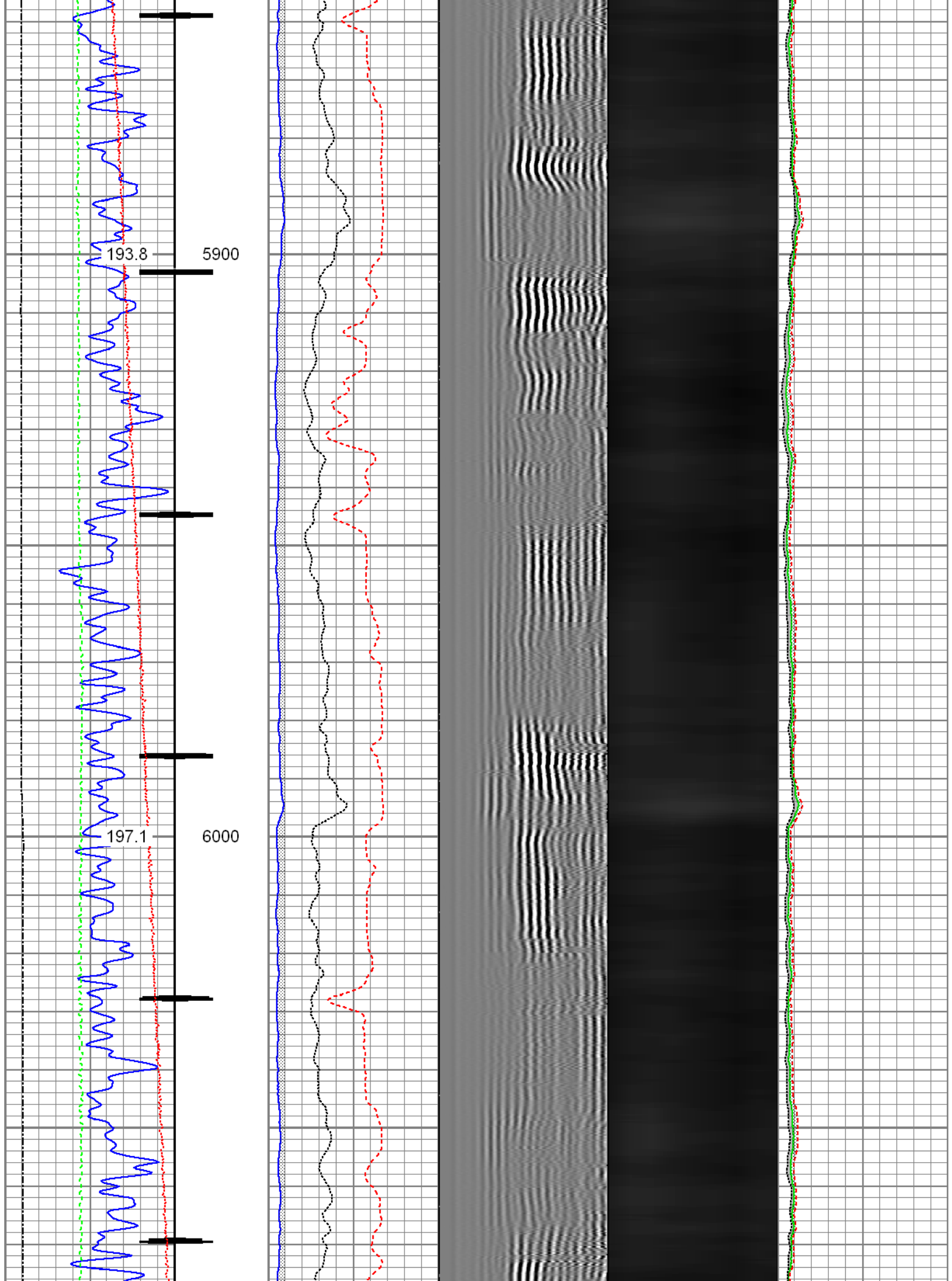


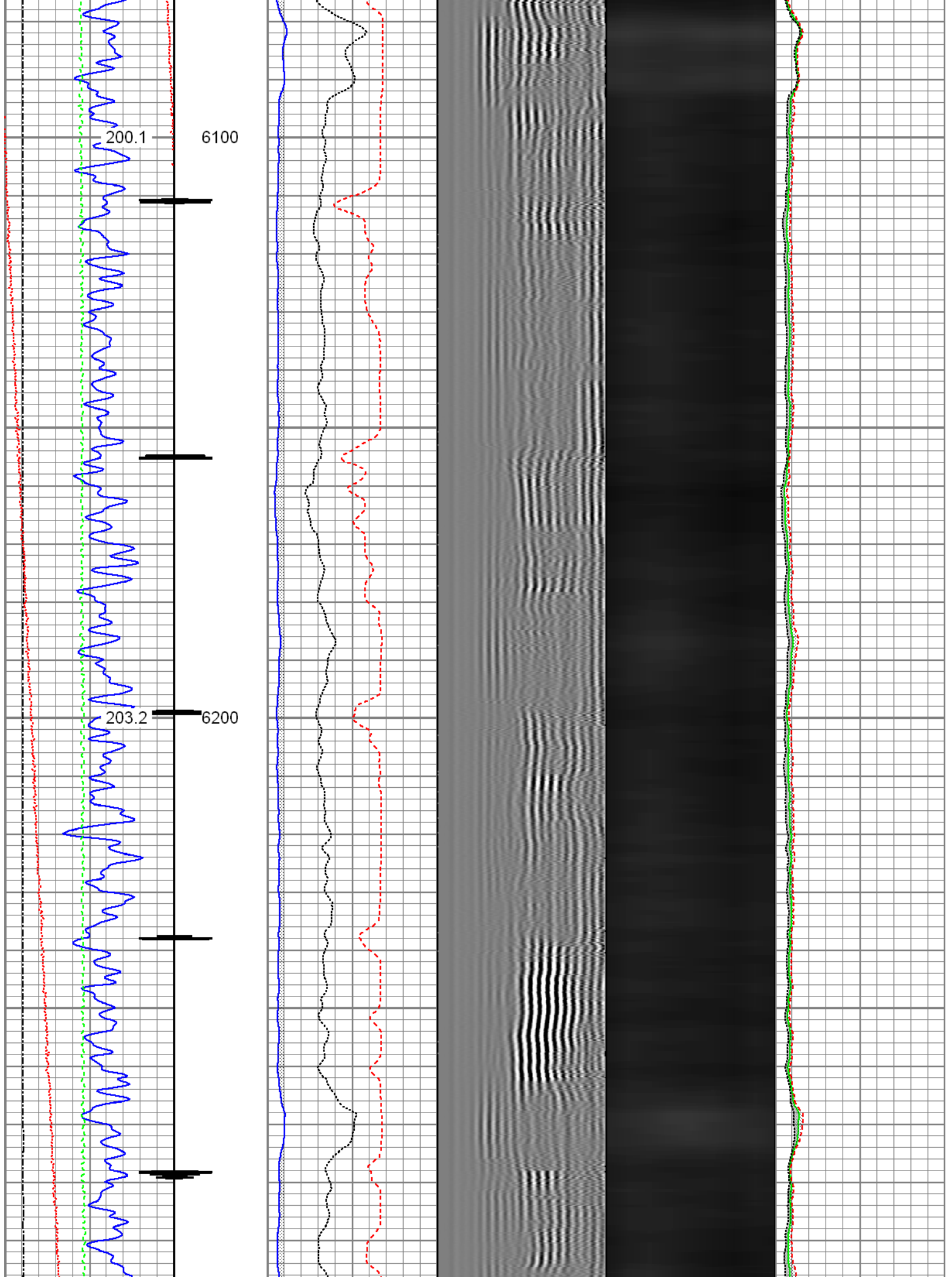


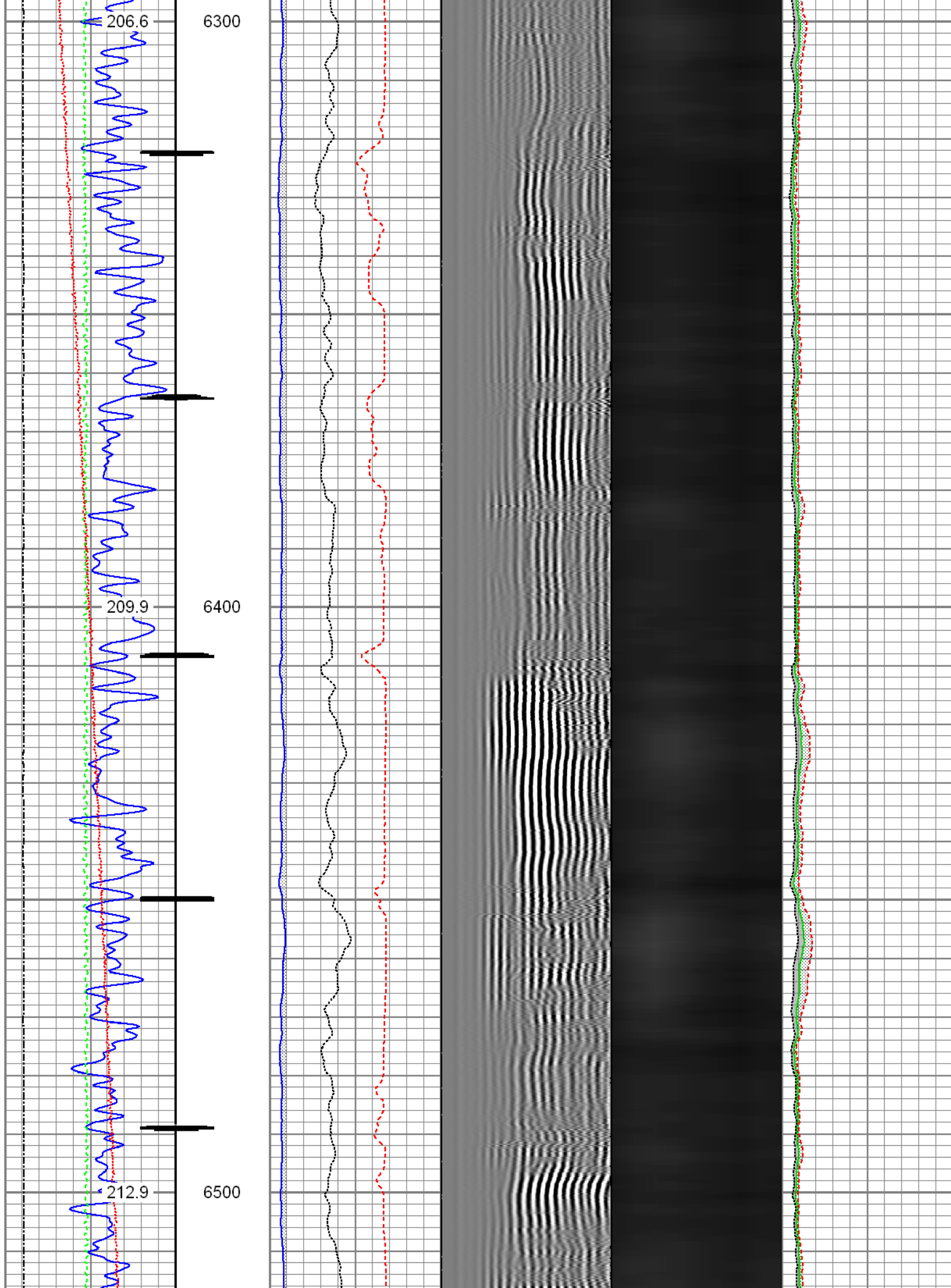


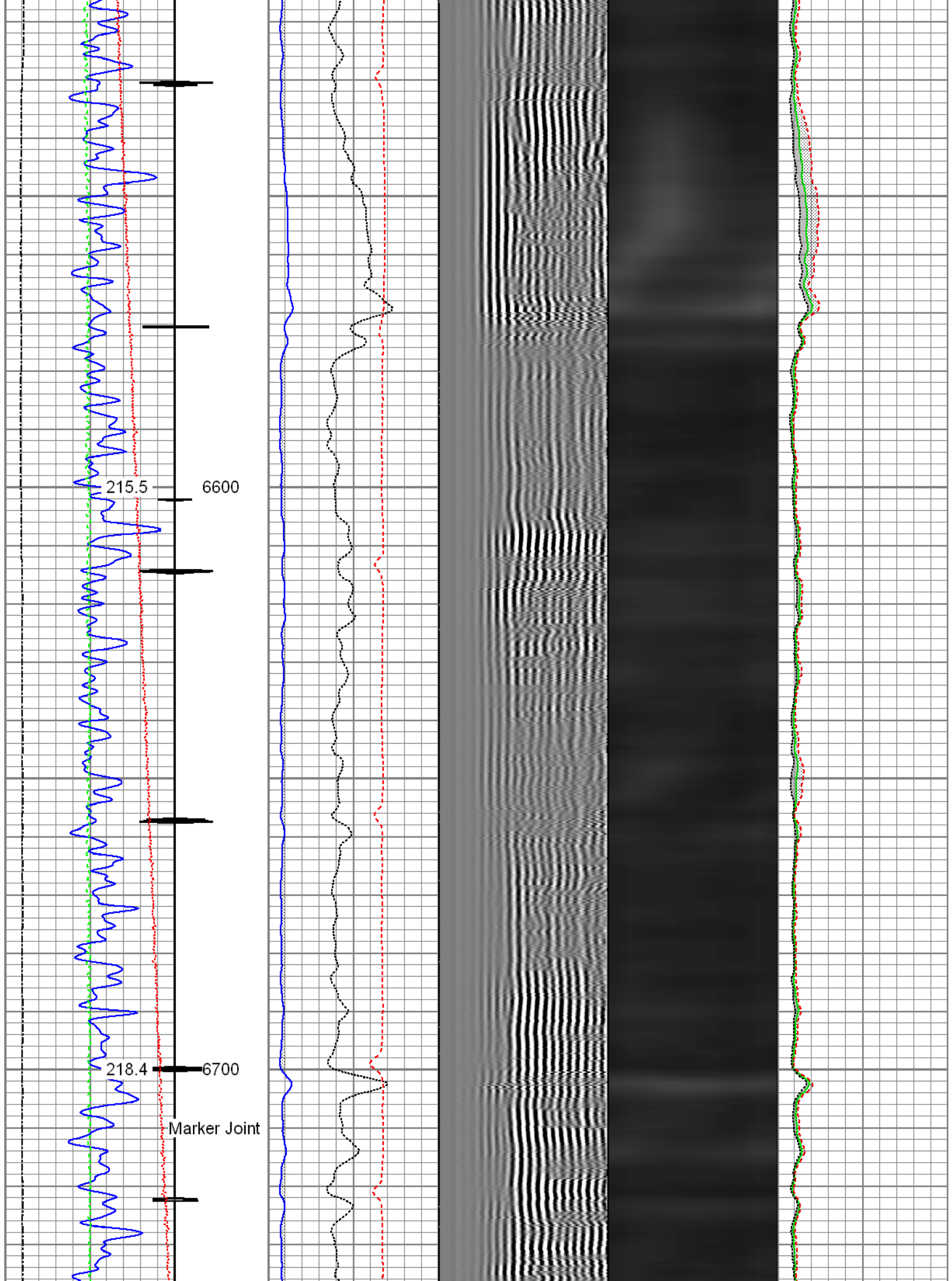


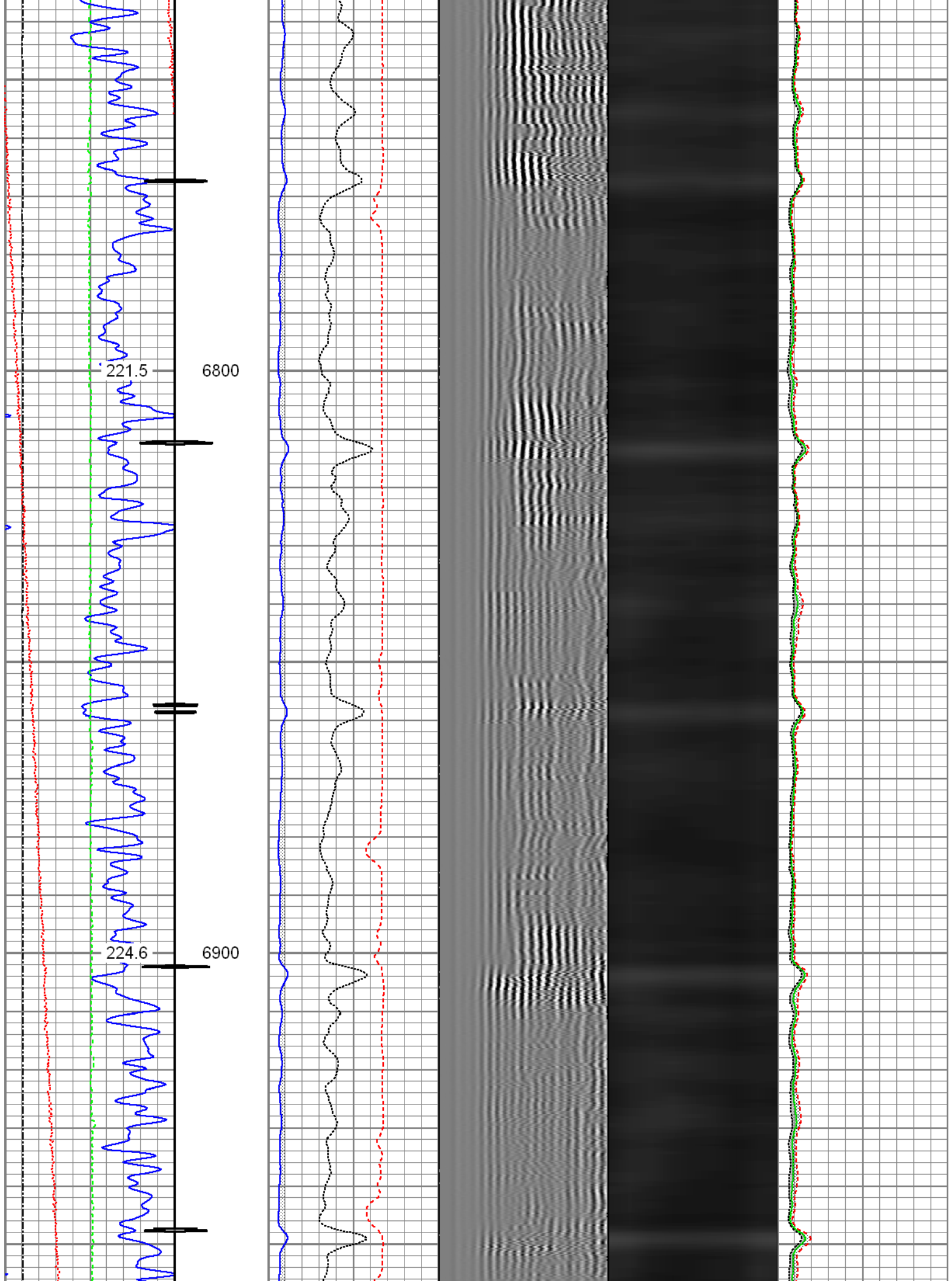


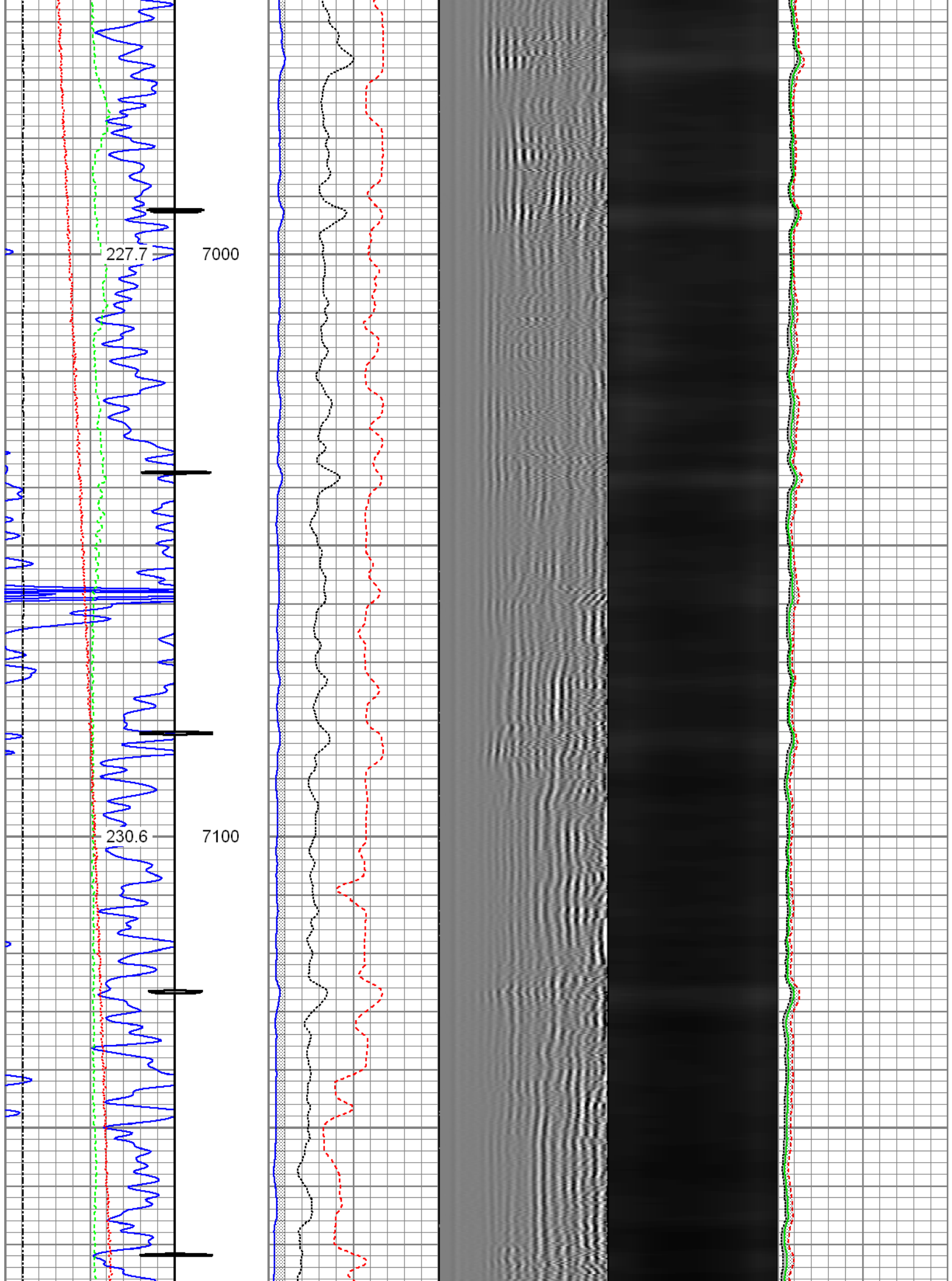


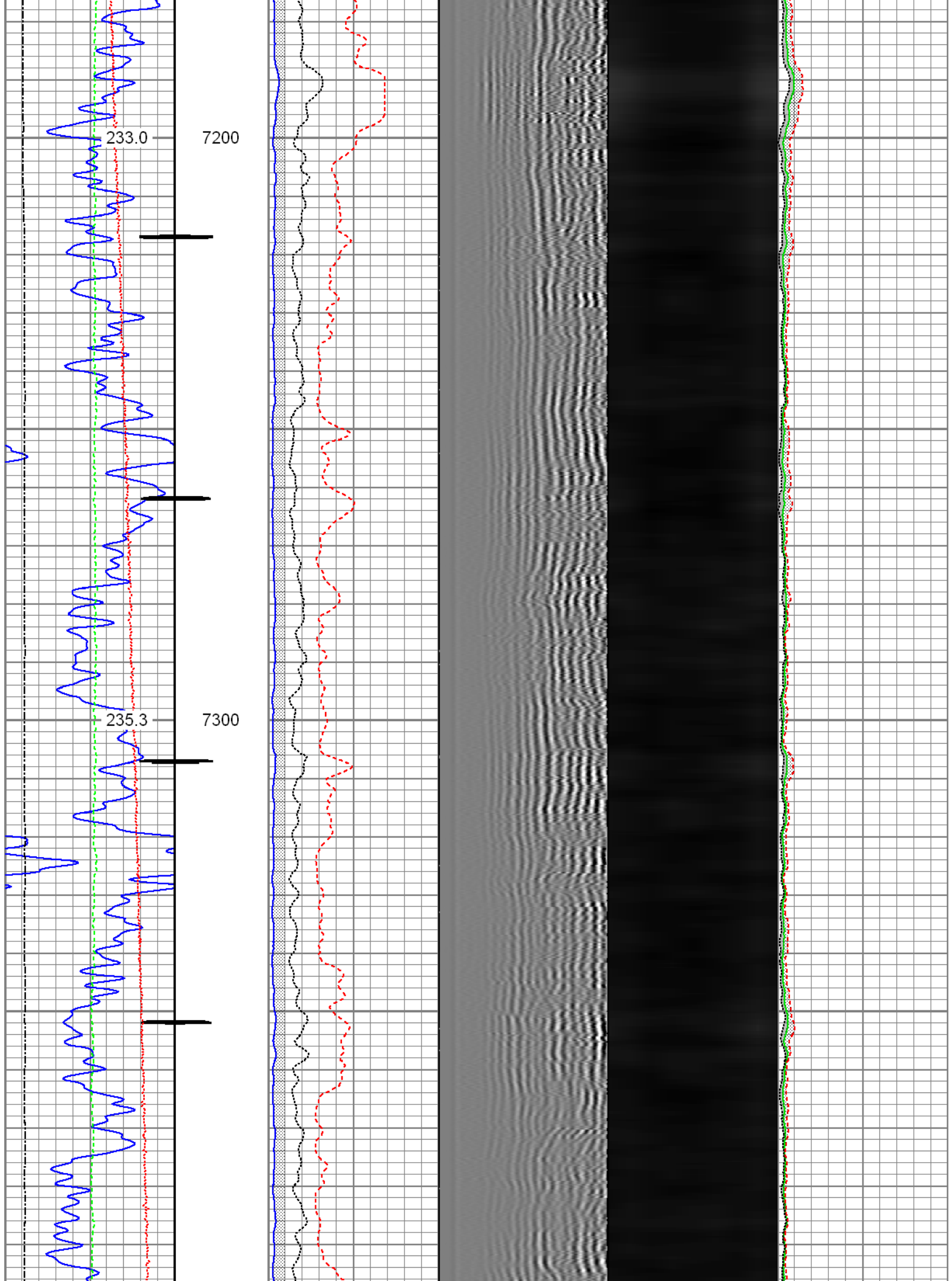


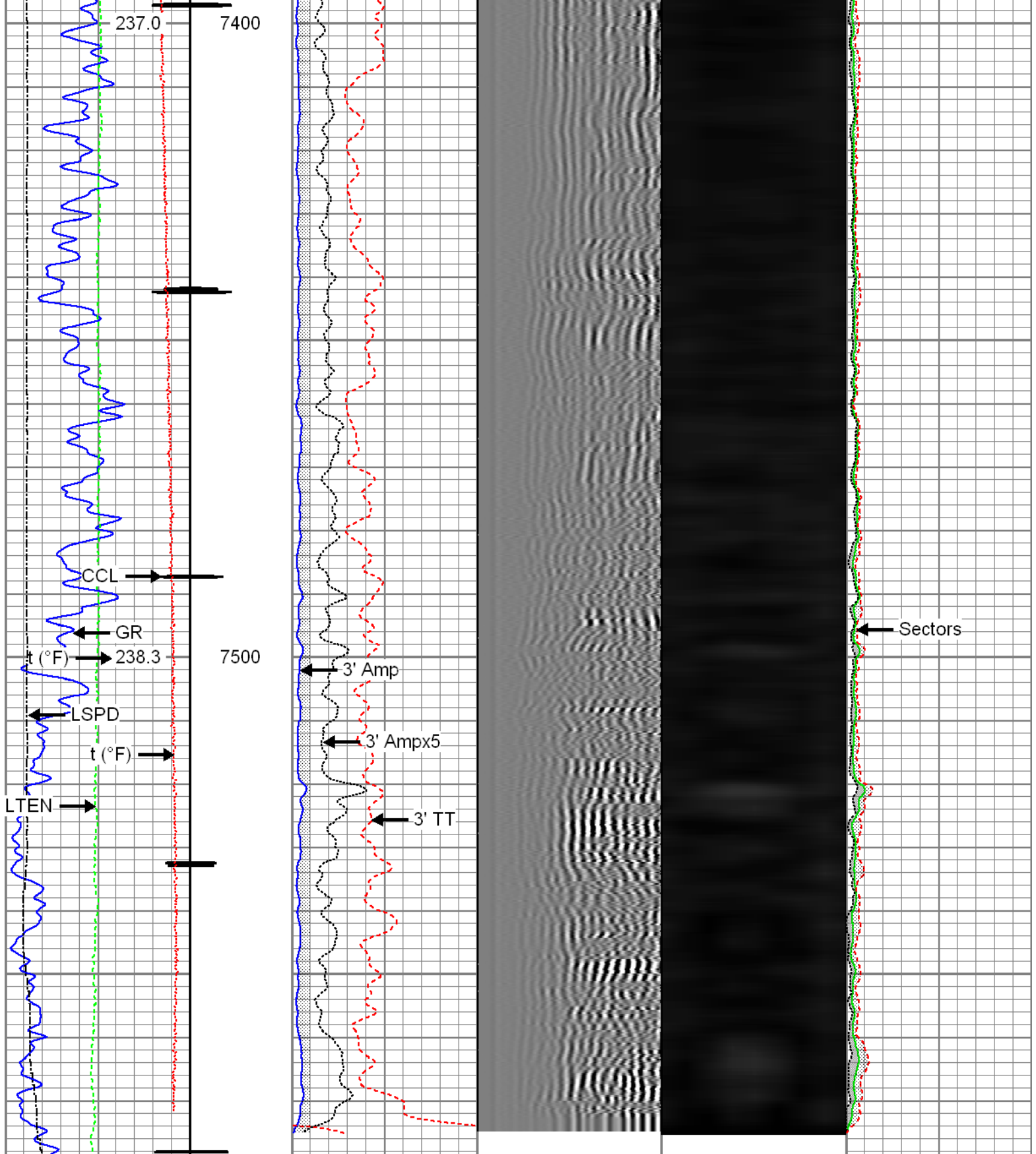












Gamma Ray (GAPI)	3' Amplitude (mV)	5' Variable Density Log	Sector Map	Average Amplitude
0 120	0 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5 (mV)			Minimum Amplitude
Line Speed (ft/min)	0 20			0 100
-150 150	3' Travel Time (usec)			Maximum Amplitude
Line Tension (lb)	650 150			0 100
0 2000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

Temperature
0 (degF) 20

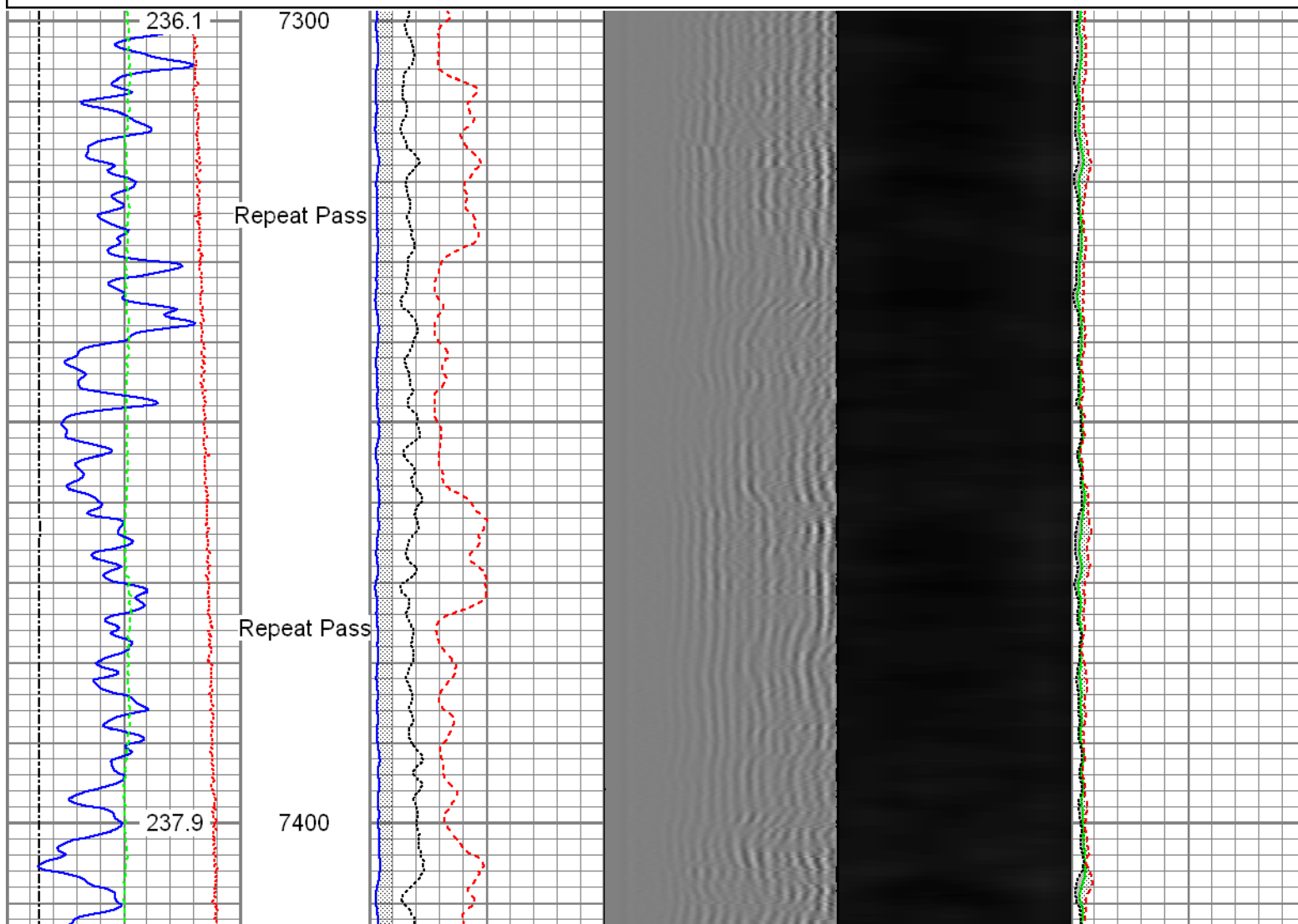


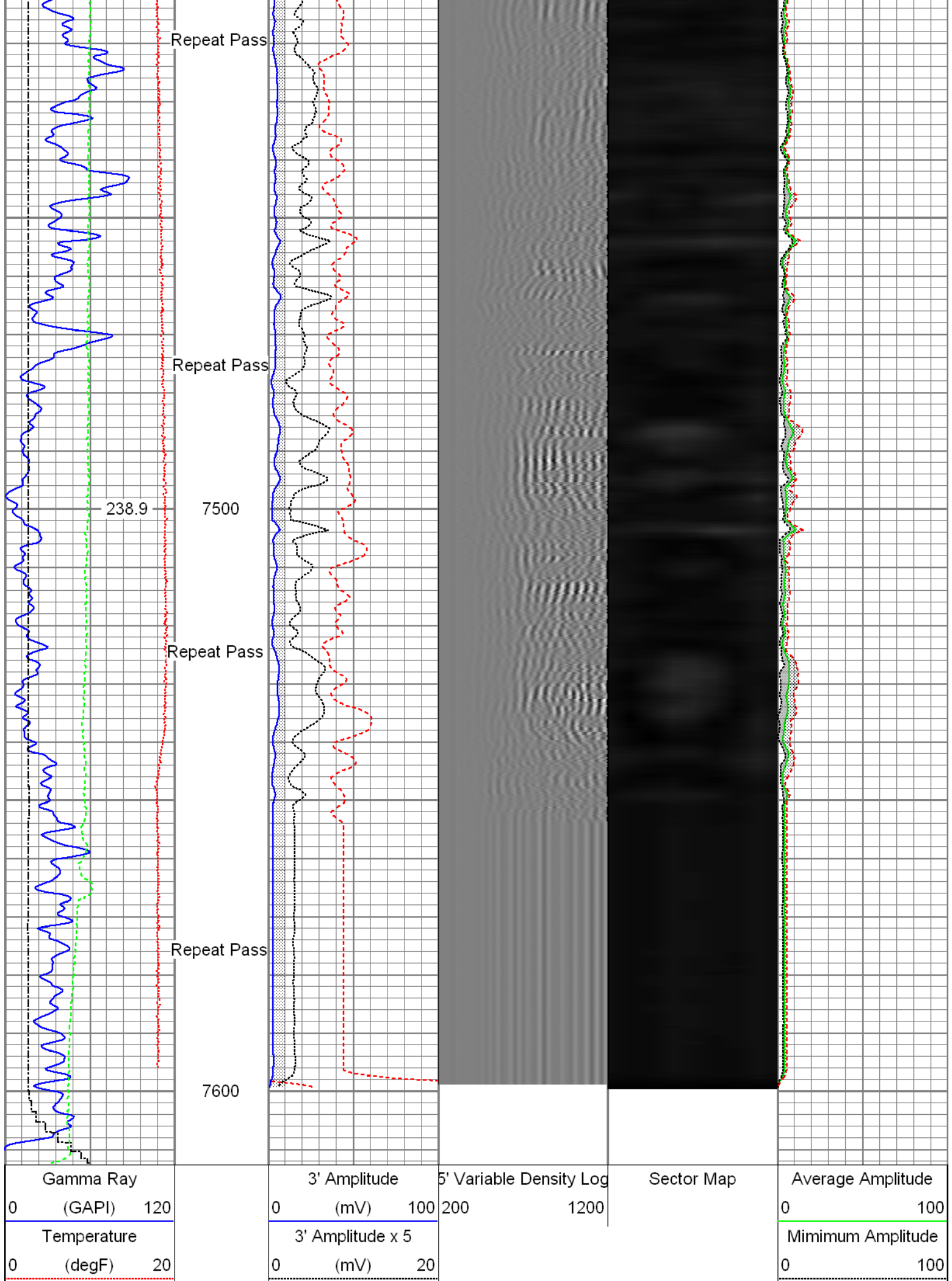
Repeat Pass

Recorded with 2800 PSI Surface Induced Pressure

Database File: 0512341289_anadarko_bat 28c-9hz_08-03-15_rbl.db
Dataset Pathname: Repeat
Presentation Format: radii
Dataset Creation: Mon Aug 03 12:31:13 2015 by Log 7.0 B1
Charted by: Depth in Feet scaled 1:240

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





Repeat Pass

Repeat Pass

Repeat Pass

Repeat Pass

238.9

7500

7600

Gamma Ray

0 (GAPI) 120

Temperature

0 (degF) 20

3' Amplitude

0 (mV) 100

3' Amplitude x 5

0 (mV) 20

5' Variable Density Log

200 1200

Sector Map

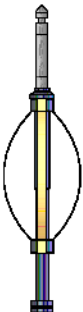

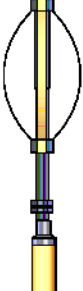
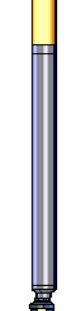
Average Amplitude

0 100

Minimum Amplitude

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)
HeadVolt	19.49		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	16.72		Probe_RADII-C-2-3/4" (FW1302-001) Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	9.19	2.75	105.00
WVF3FT	14.55					
WVFCAL	14.55					
WVFS1	14.55					
WVFS2	14.55					
WVFS3	14.55					
WVFS4	14.55					
WVFS5	14.55					
WVFS6	14.55					
WVFS7	14.55					
WVFS8	14.55					
WVF5FT	13.55					
CCL DCCL	6.51		Probe_IL_BS_Cent Probe 2-3/4" Inline Electrical Inline Bowspring Centralizer	2.88	2.75	10.00
	6.51					
GR	3.77		Probe_CCL_GR-2.75"Digital (FW1307-038)	4.54	2.75	55.00
			Probe 2-3/4" Digital CCL / Gamma Ray Combined			



Probe_IL_BS_Cent
Probe 2-3/4" Inline Electrical Inline Bowspring
Centralizer

2.88

2.75

10.00

Dataset: 0512341289_Anadarko_Bat 28C-9HZ_08-03-15_RBL.db: field/well/run1/Main
Total Length: 23.40 ft
Total Weight: 194.00 lb
O.D.: 2.75 in

Calibration Report

Database File: 0512341289_Anadarko_Bat 28C-9HZ_08-03-15_RBL.db
Dataset Pathname: Main
Dataset Creation: Mon Aug 03 12:35:56 2015 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number: FW1307-038
Tool Model: 2.75" Digital
Performed: Mon Aug 03 07:59:17 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: FW1302-001
Tool Model: 2-3/4"

Calibration Casing Diameter: 5.500 in
Calibration Depth: 227.359 ft

Master Calibration, performed Mon Aug 03 11:59:50 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.003	0.418	0.800	71.921	169.313	1.232
CAL	-0.003	0.504				
5'	-0.003	0.309	0.800	71.921	227.836	1.423
SUM						
S1	-0.003	0.441	0.000	100.000	225.501	0.614
S2	-0.003	0.462	0.000	100.000	215.296	0.547
S3	-0.003	0.447	0.000	100.000	222.343	0.565
S4	-0.002	0.415	0.000	100.000	239.707	0.579
S5	-0.002	0.397	0.000	100.000	250.459	0.605
S6	-0.002	0.393	0.000	100.000	252.933	0.605
S7	-0.003	0.403	0.000	100.000	246.302	0.643
S8	-0.003	0.426	0.000	100.000	233.072	0.606

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	-0.003	0.504	1.000	0.000

Air Zero Calibration, performed Mon Aug 03 08:33:12 2015:

	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	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Bat 28C-9HZ
Field	Wattenberg
County	Weld
State	Colorado