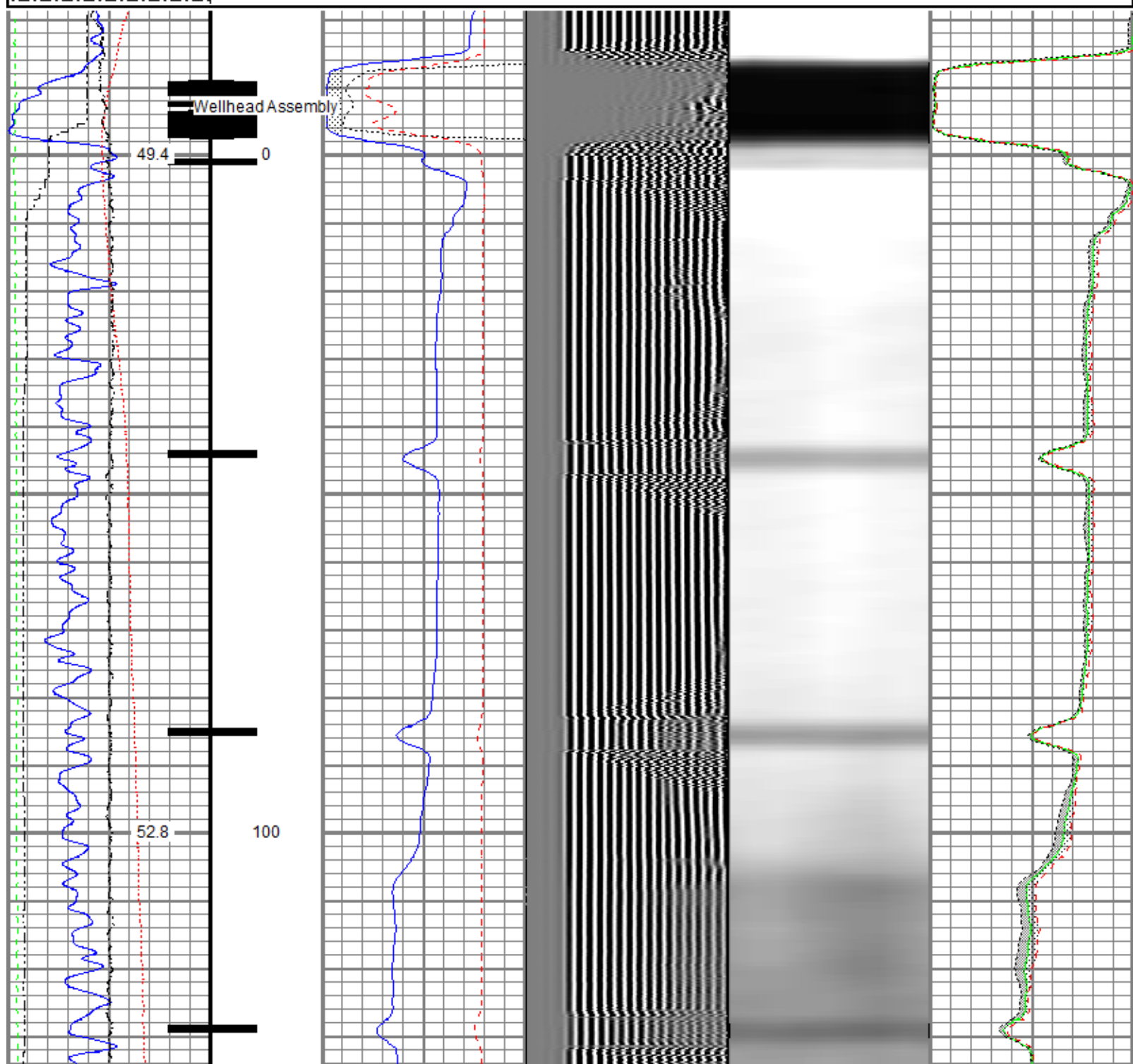
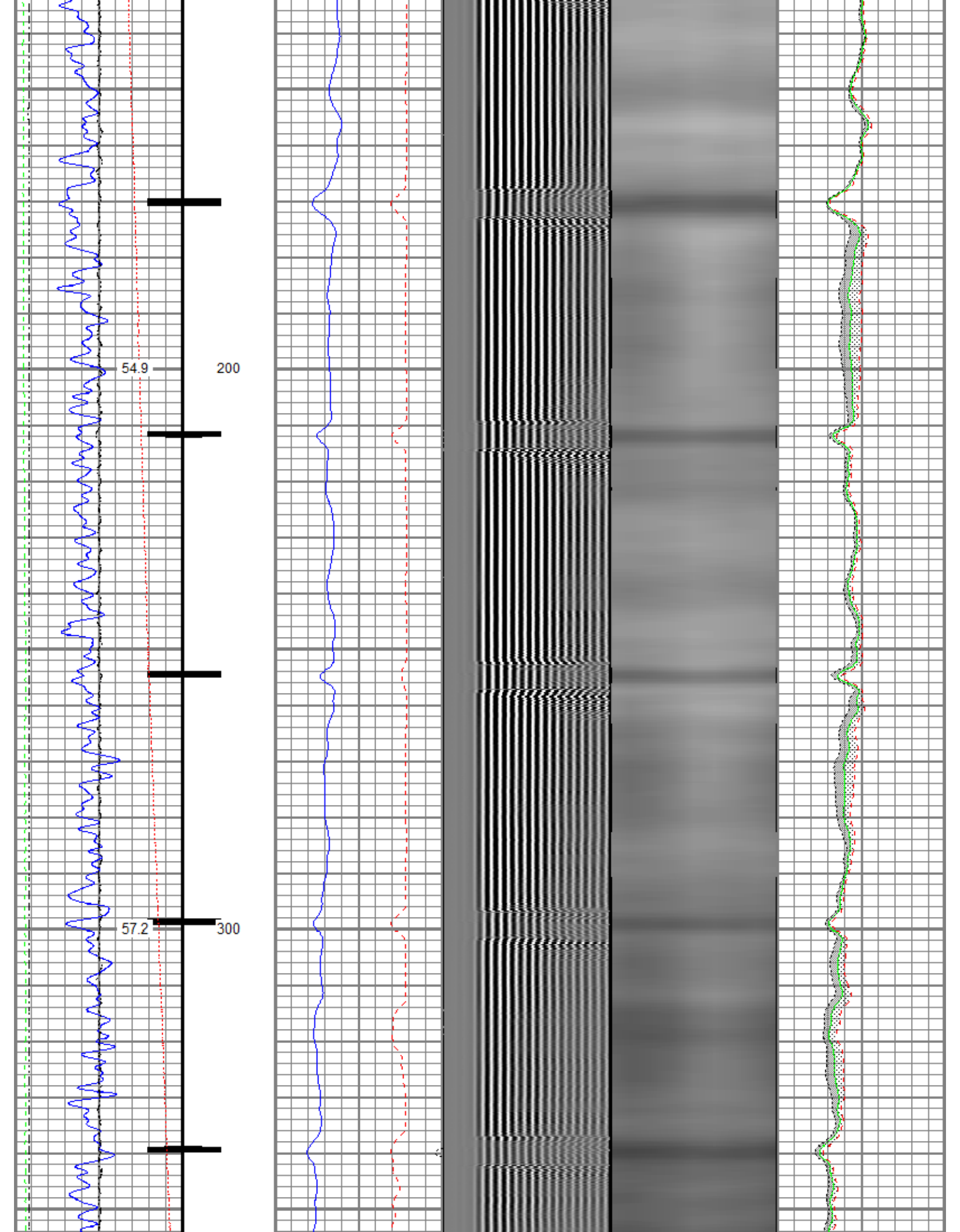


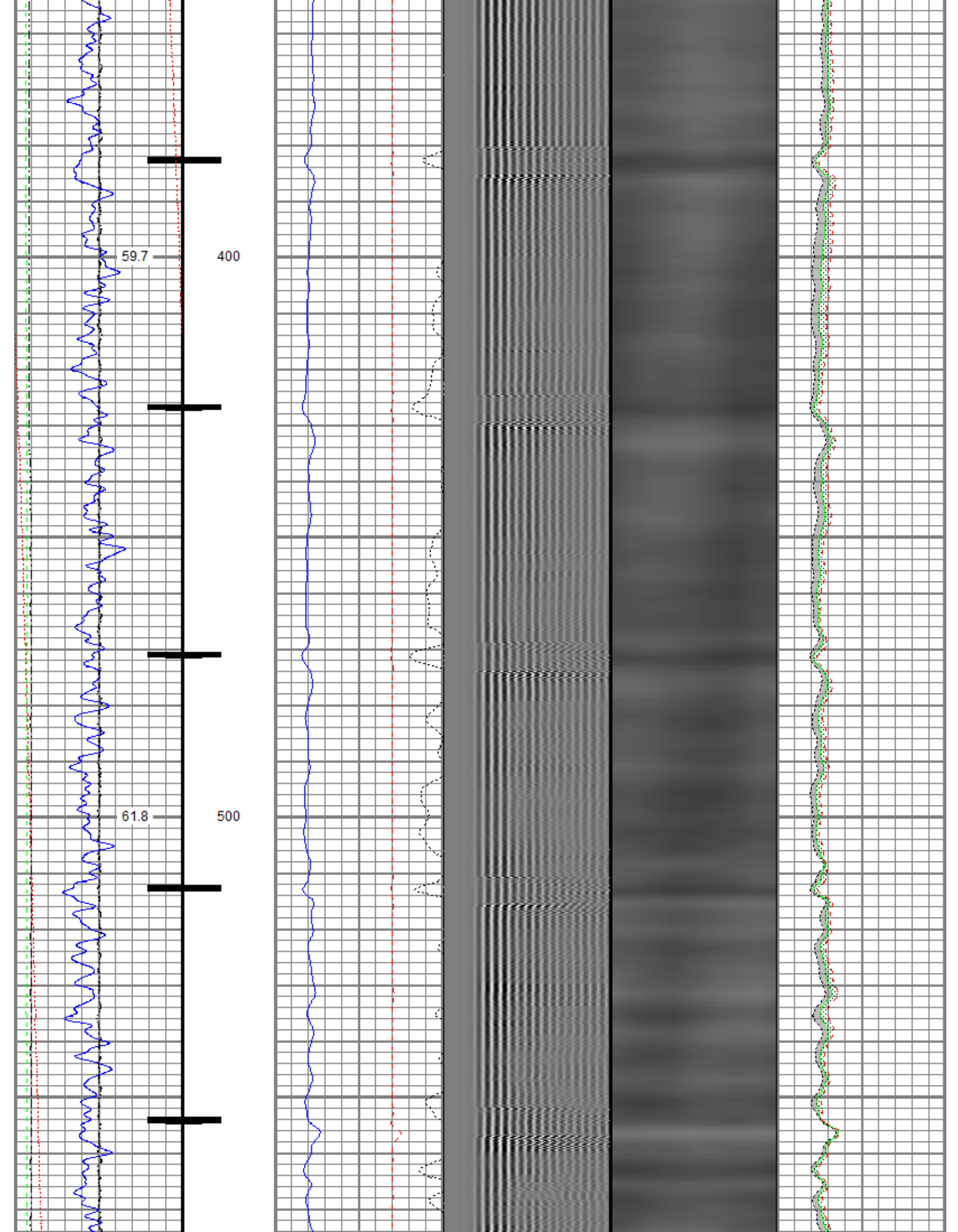
Recorded With 2800 PSI Surface Induced Pressure

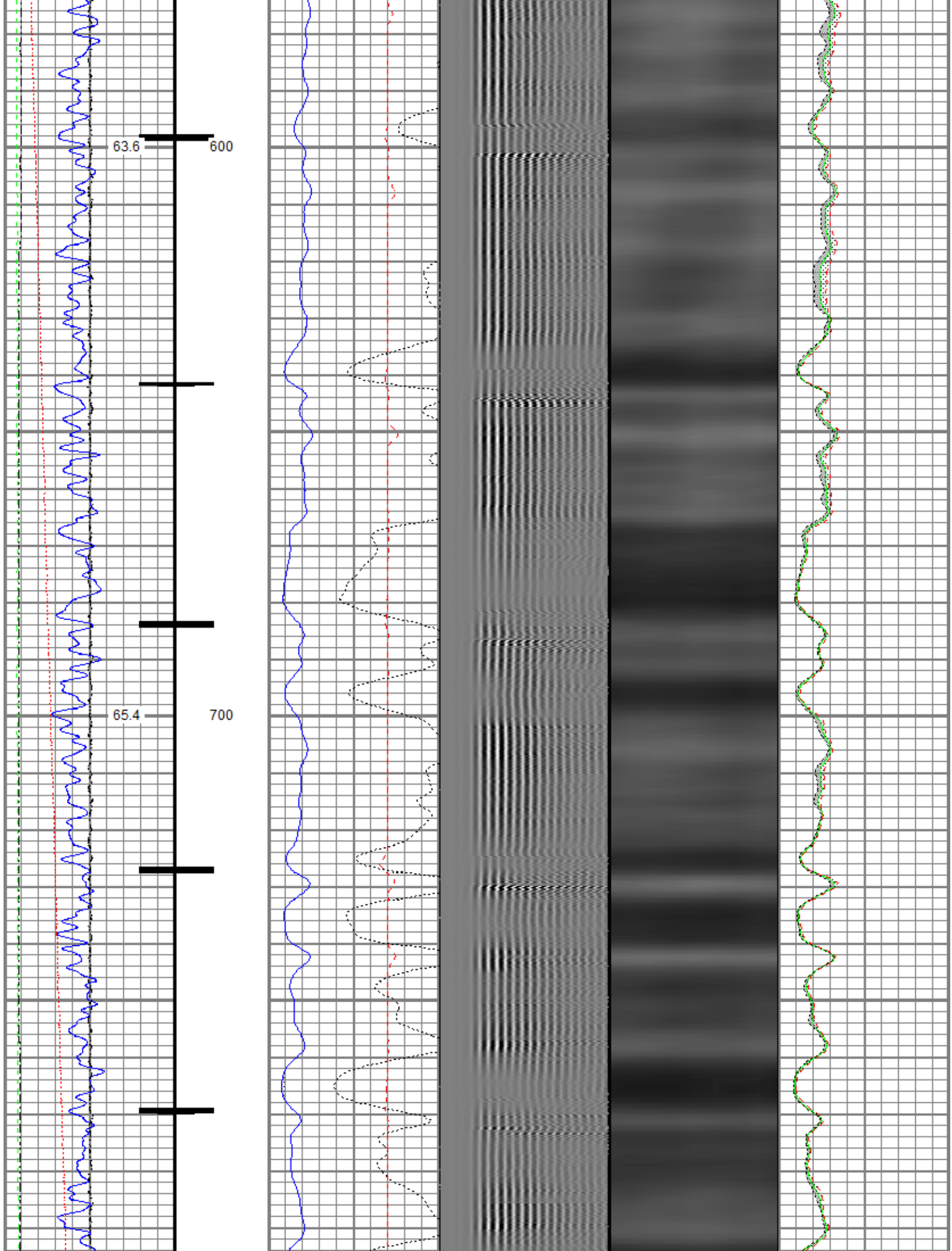
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 Dataset Pathname merge1.3
 Presentation Format ros_radrii
 Dataset Creation Mon Apr 09 18:26:33 2018
 Charted by Depth in Feet scaled 1:240

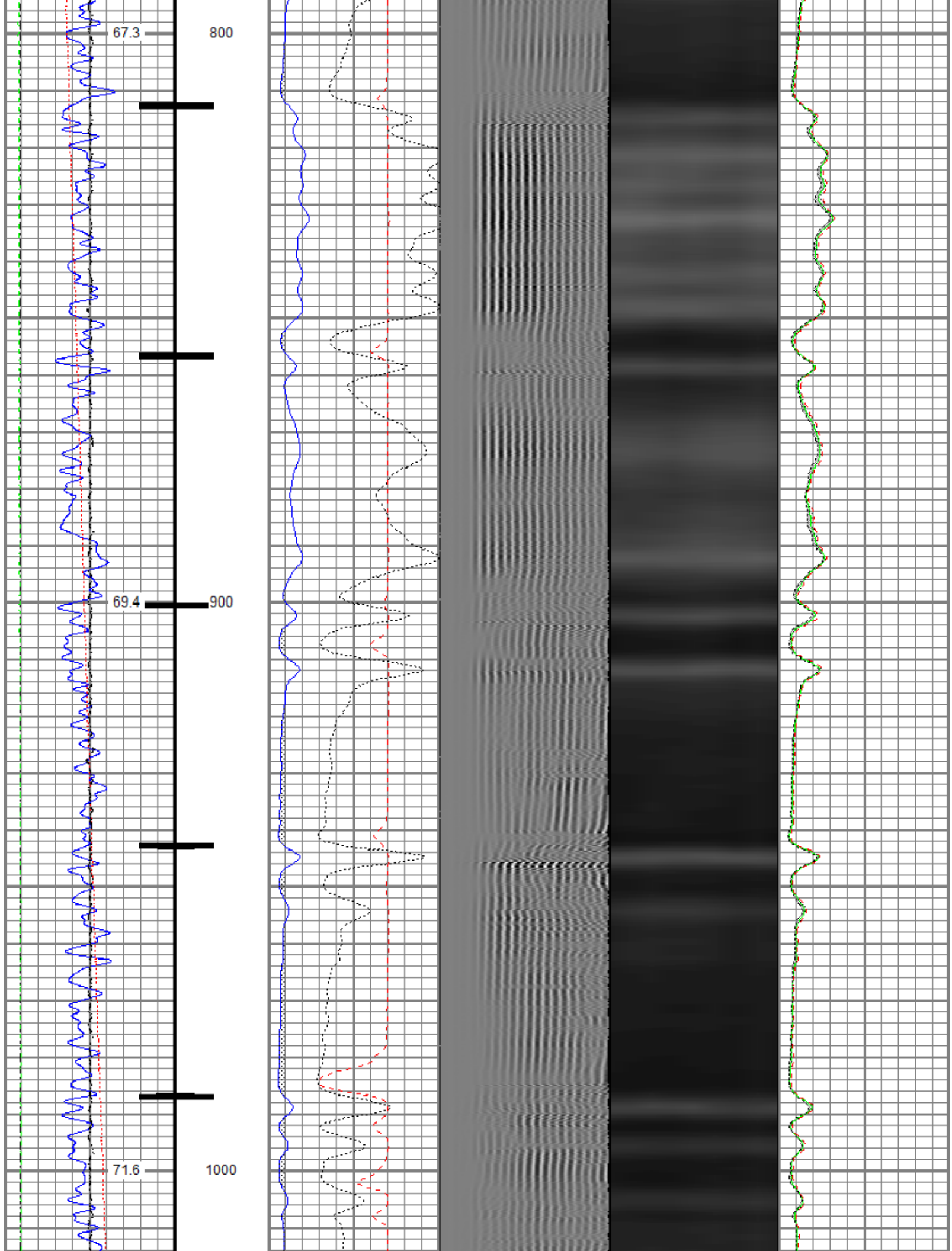
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min) 150				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

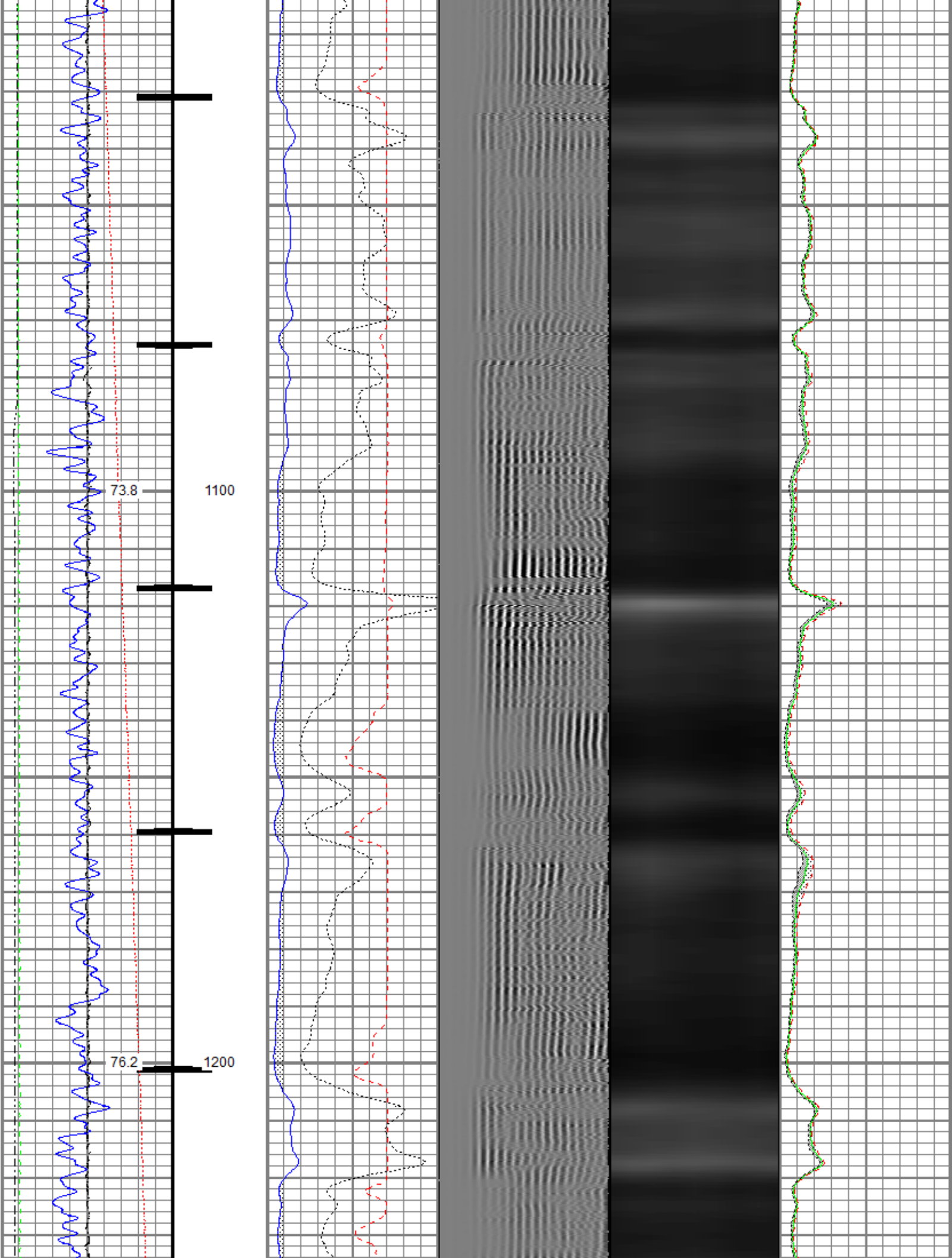


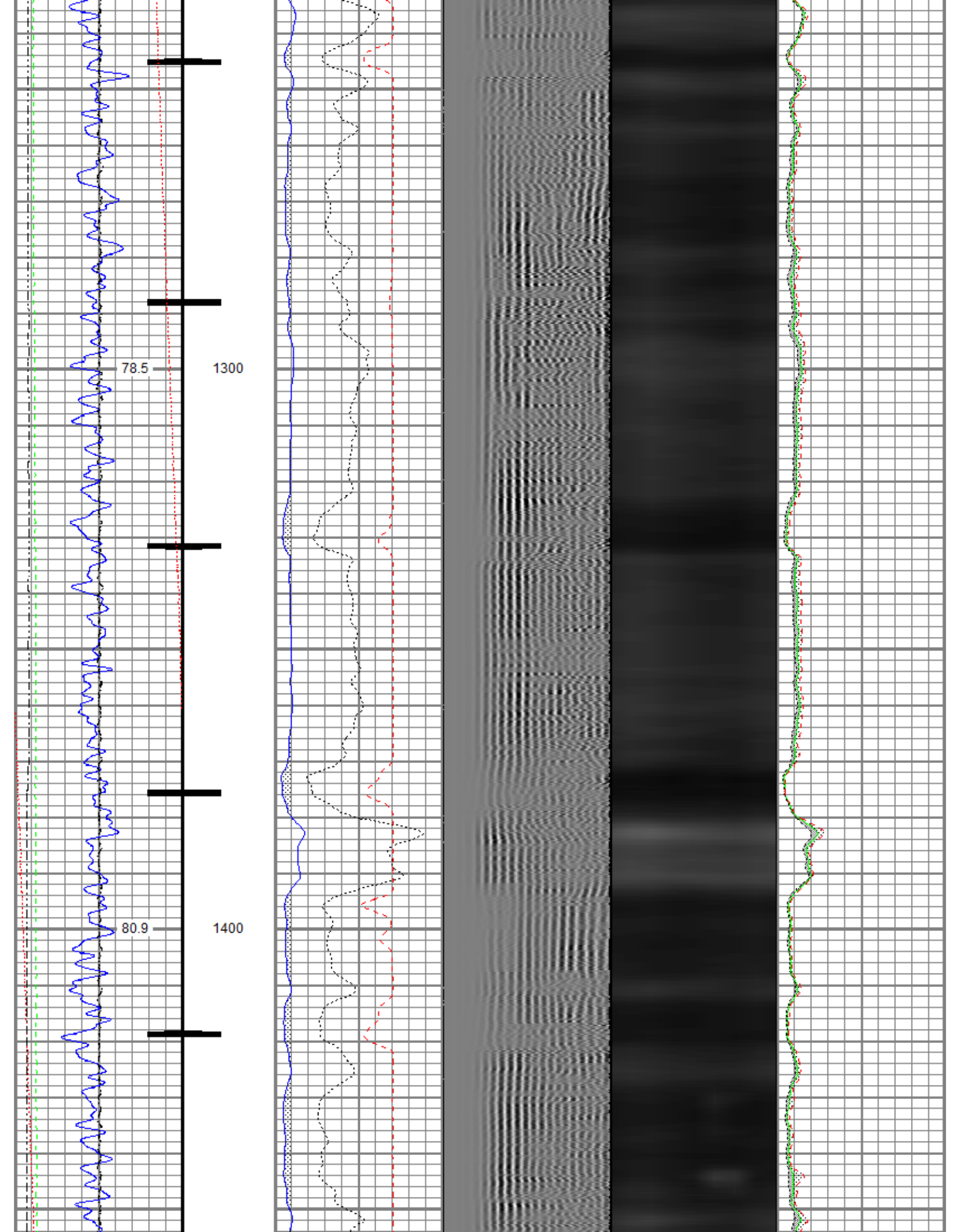


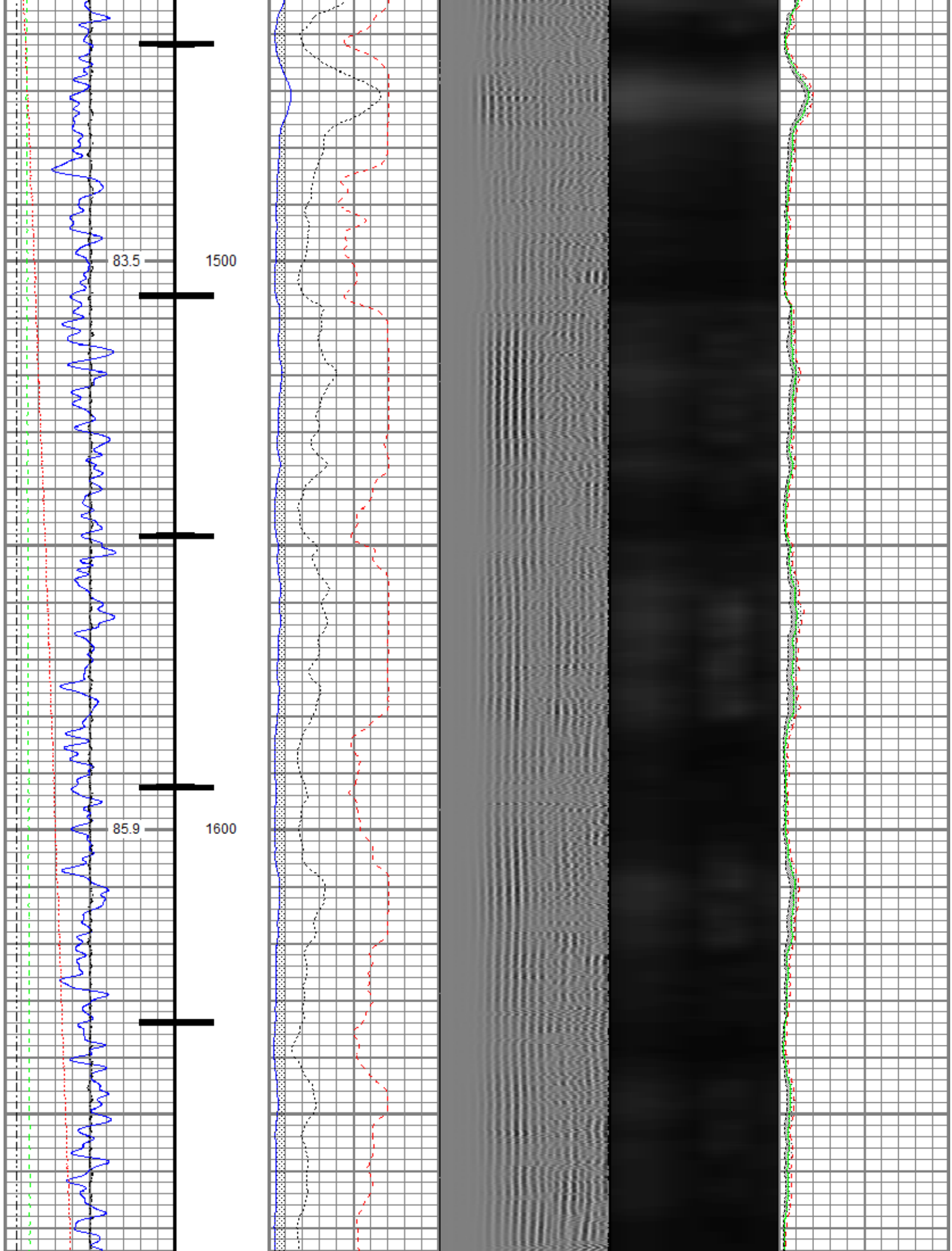


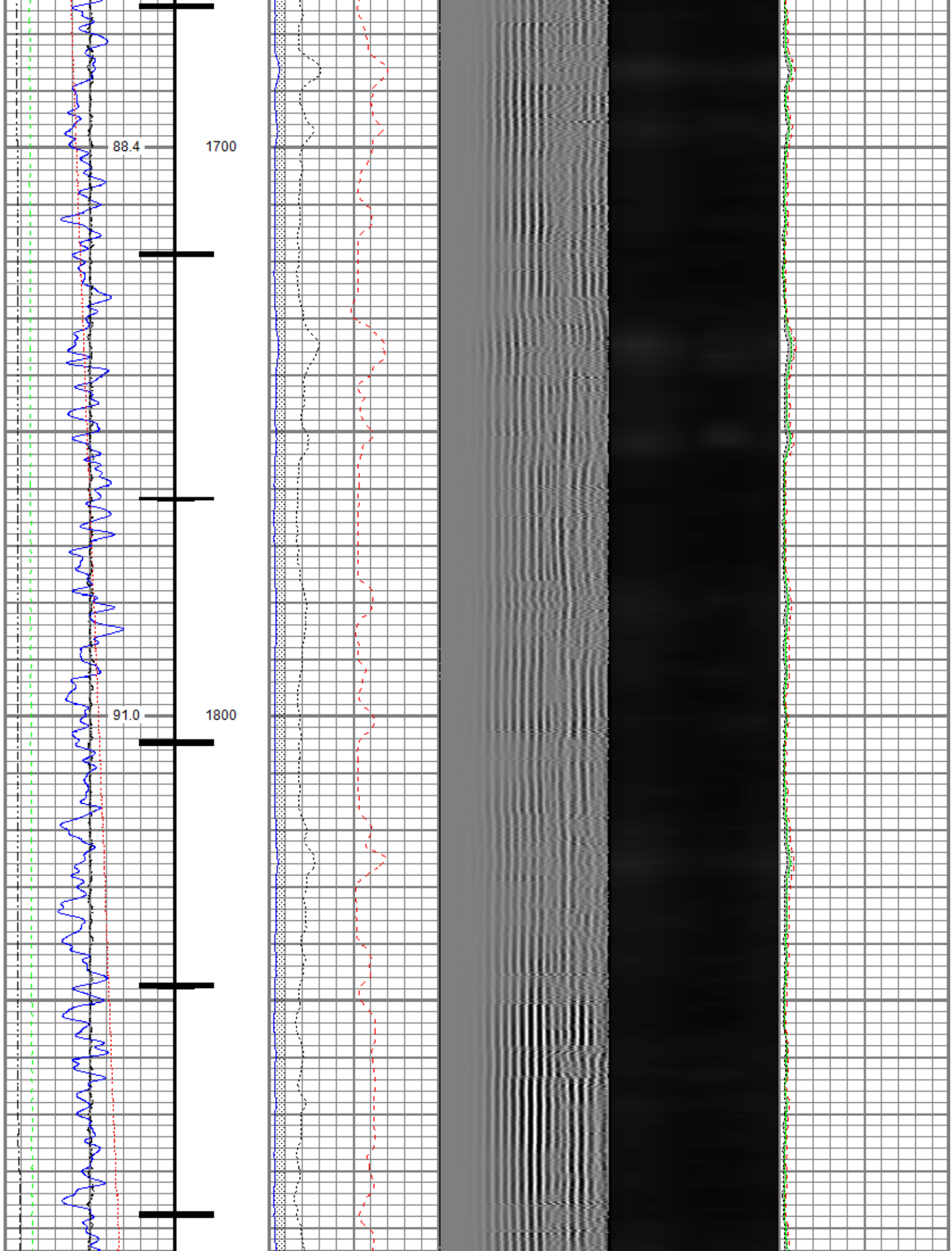


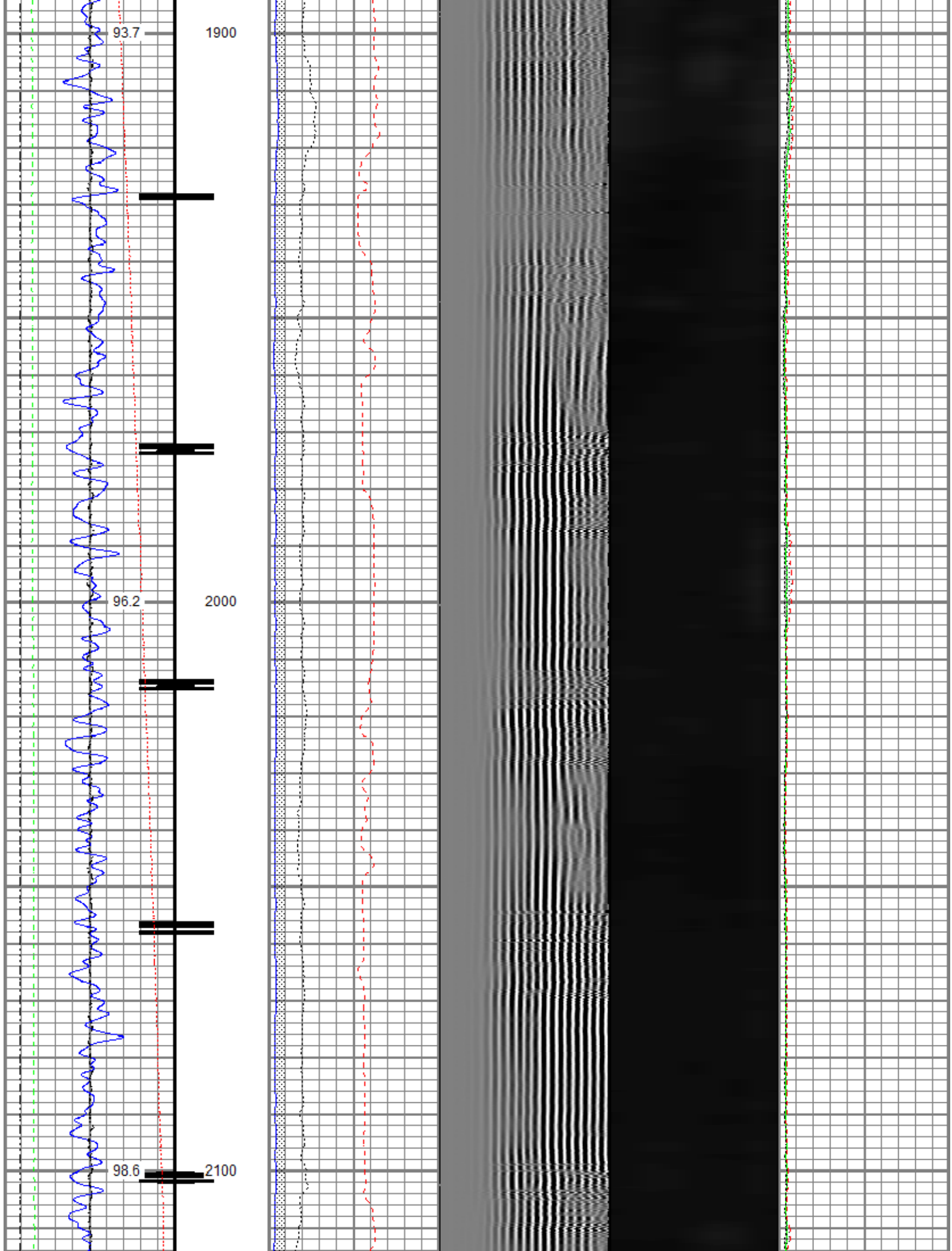


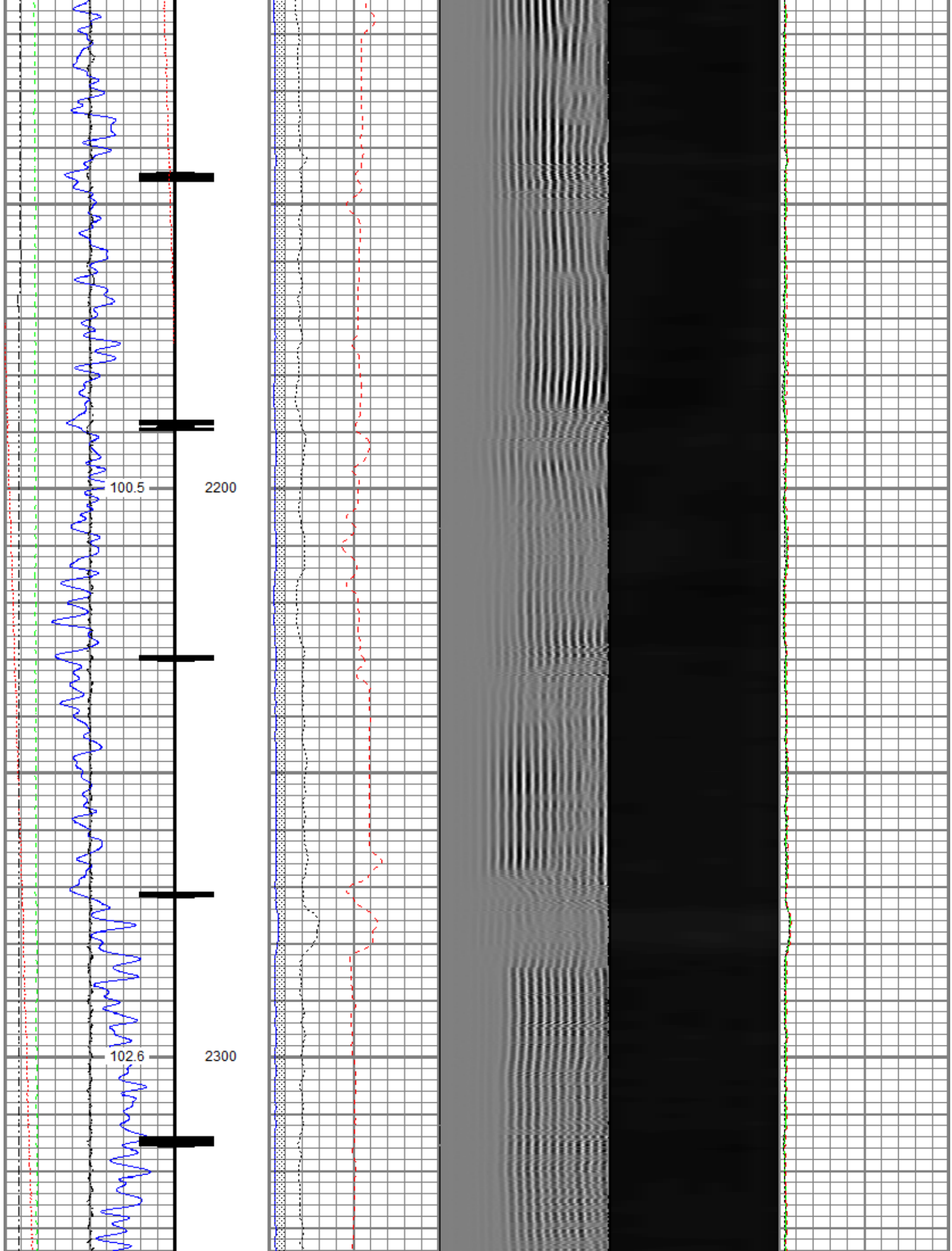


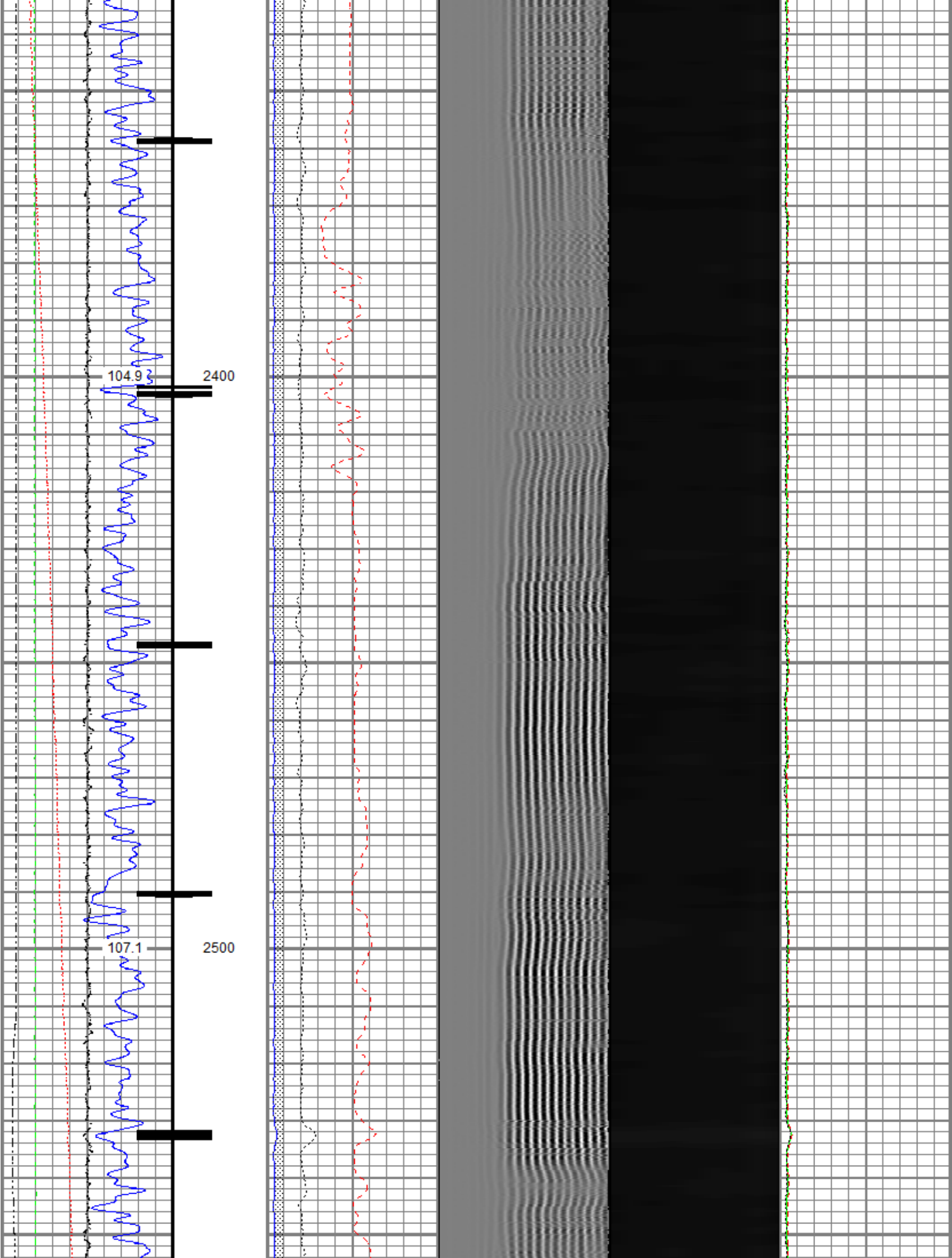


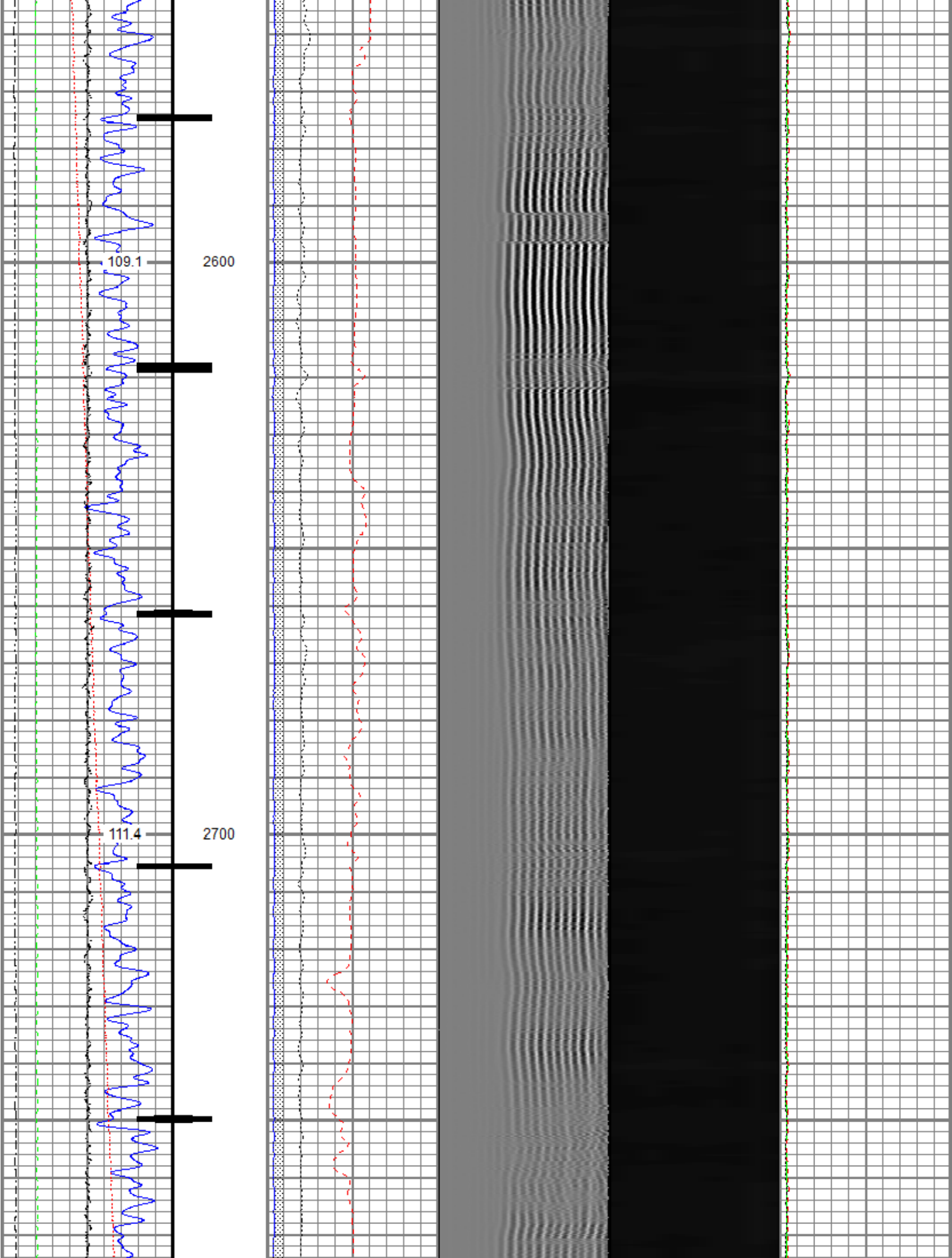


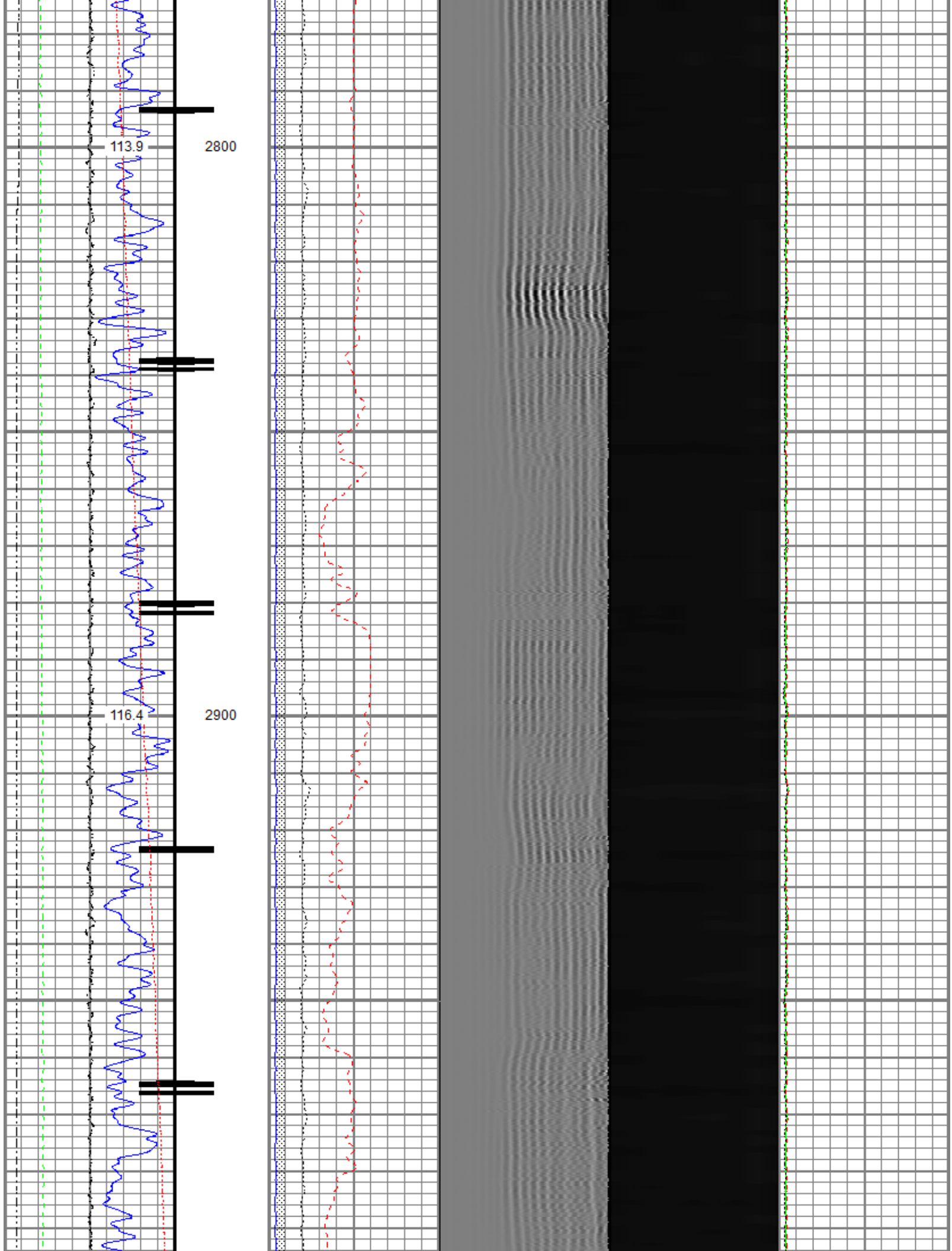


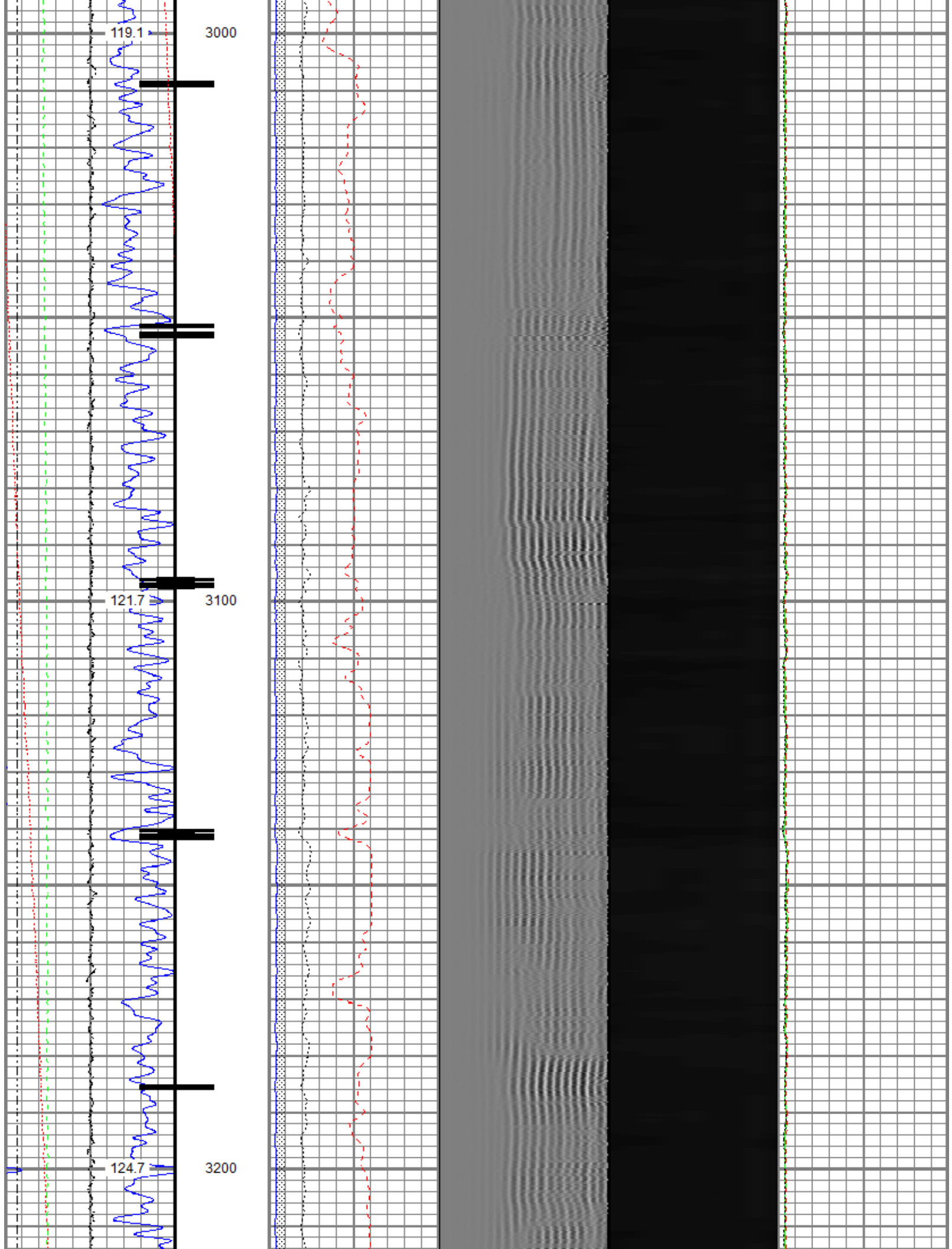


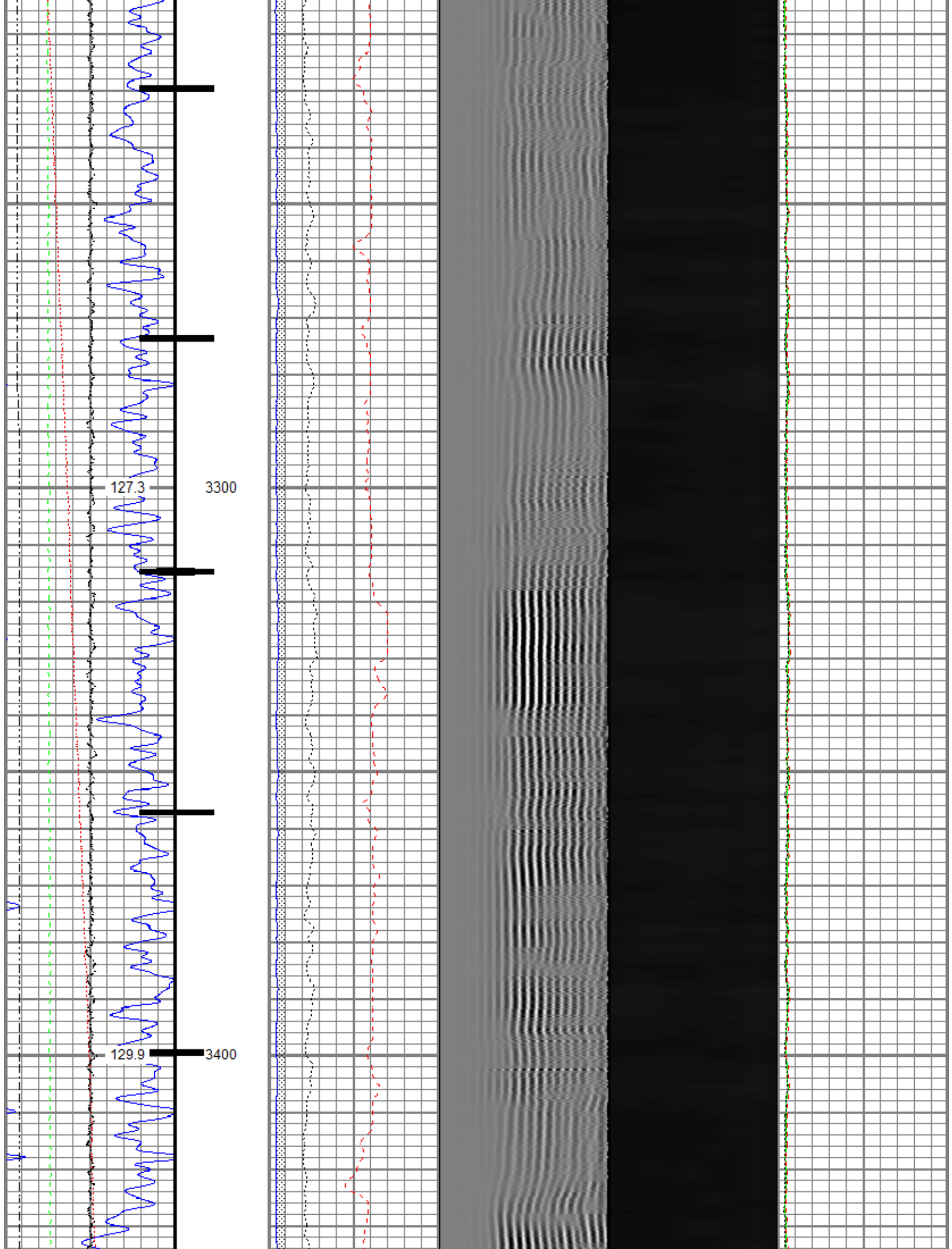


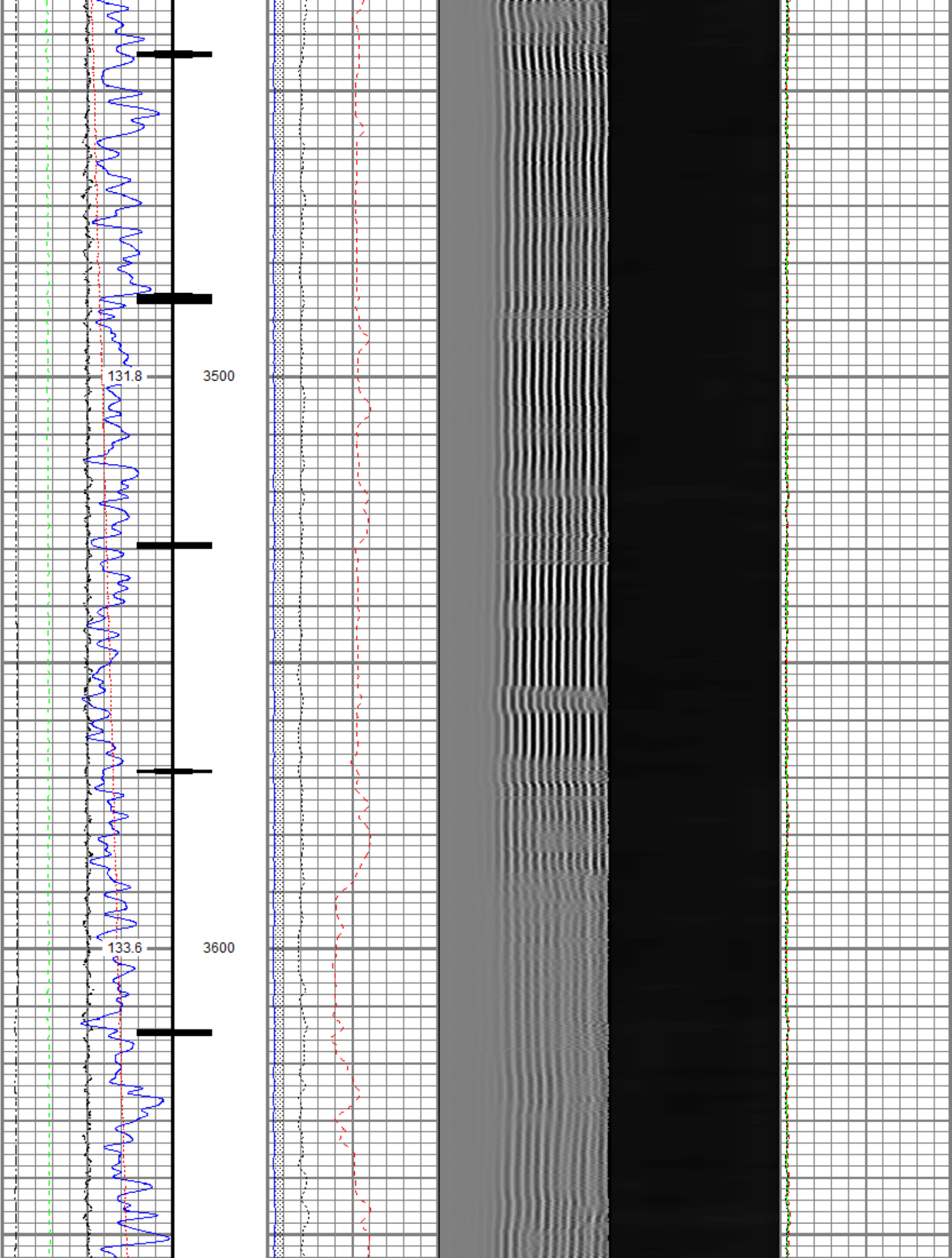


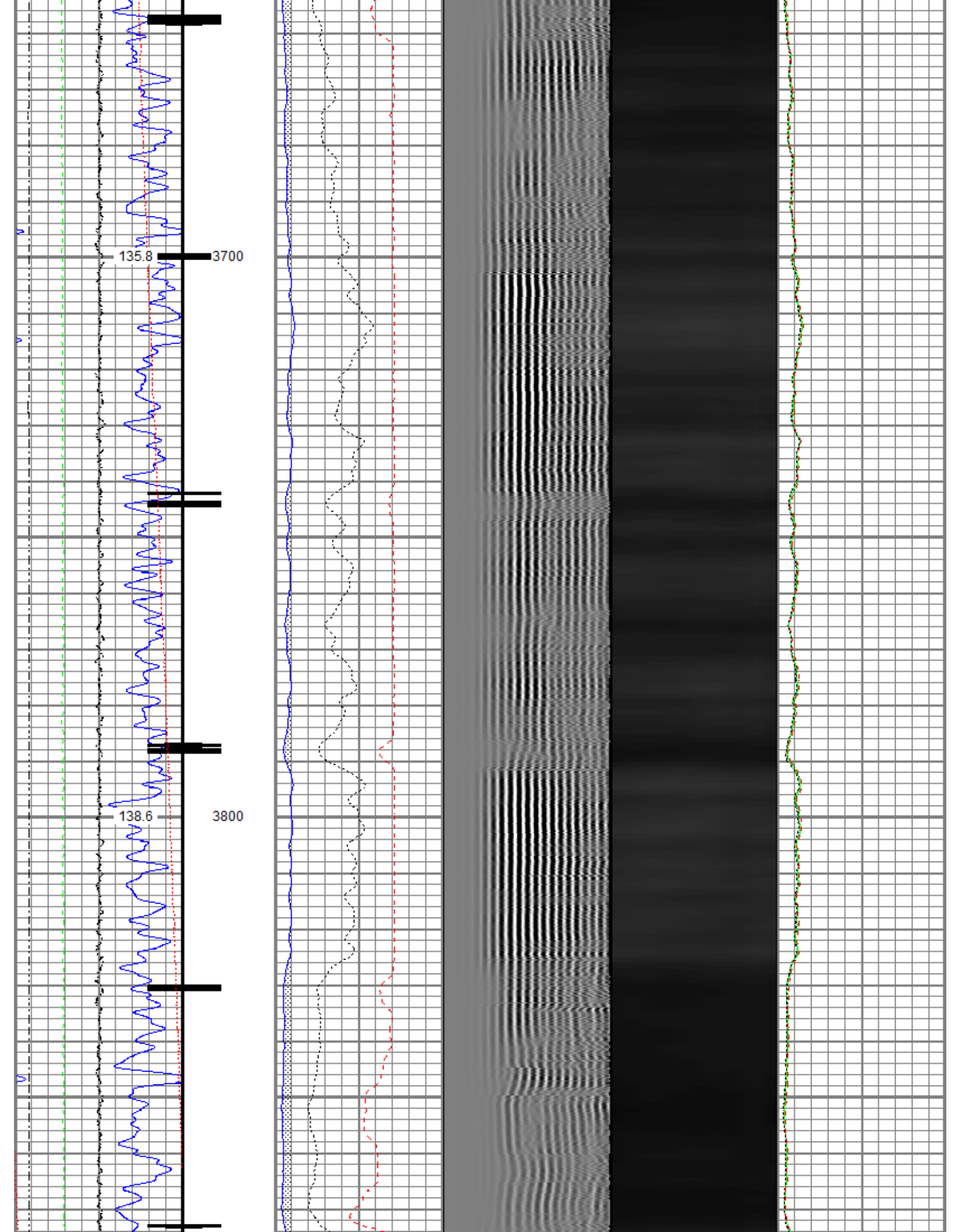


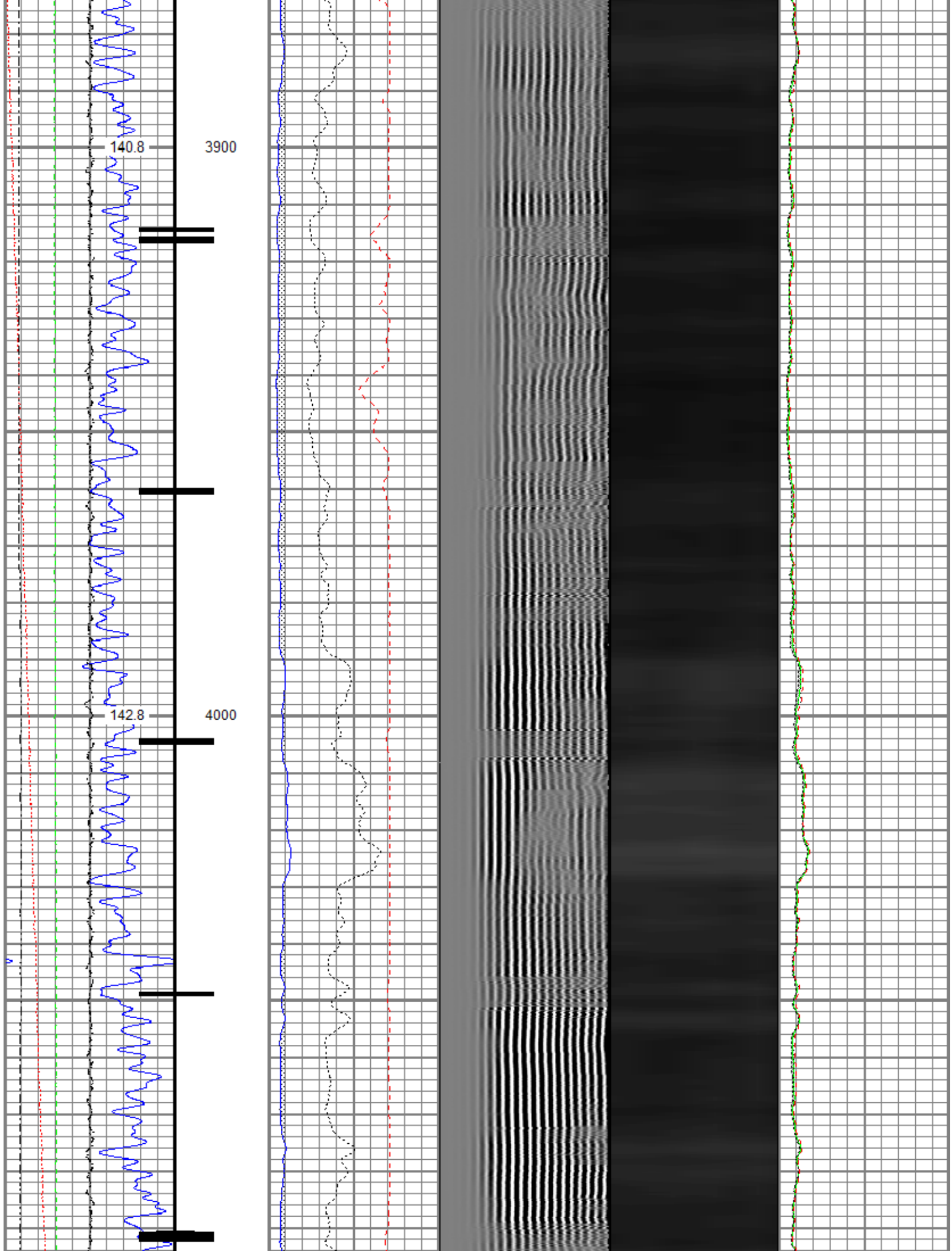


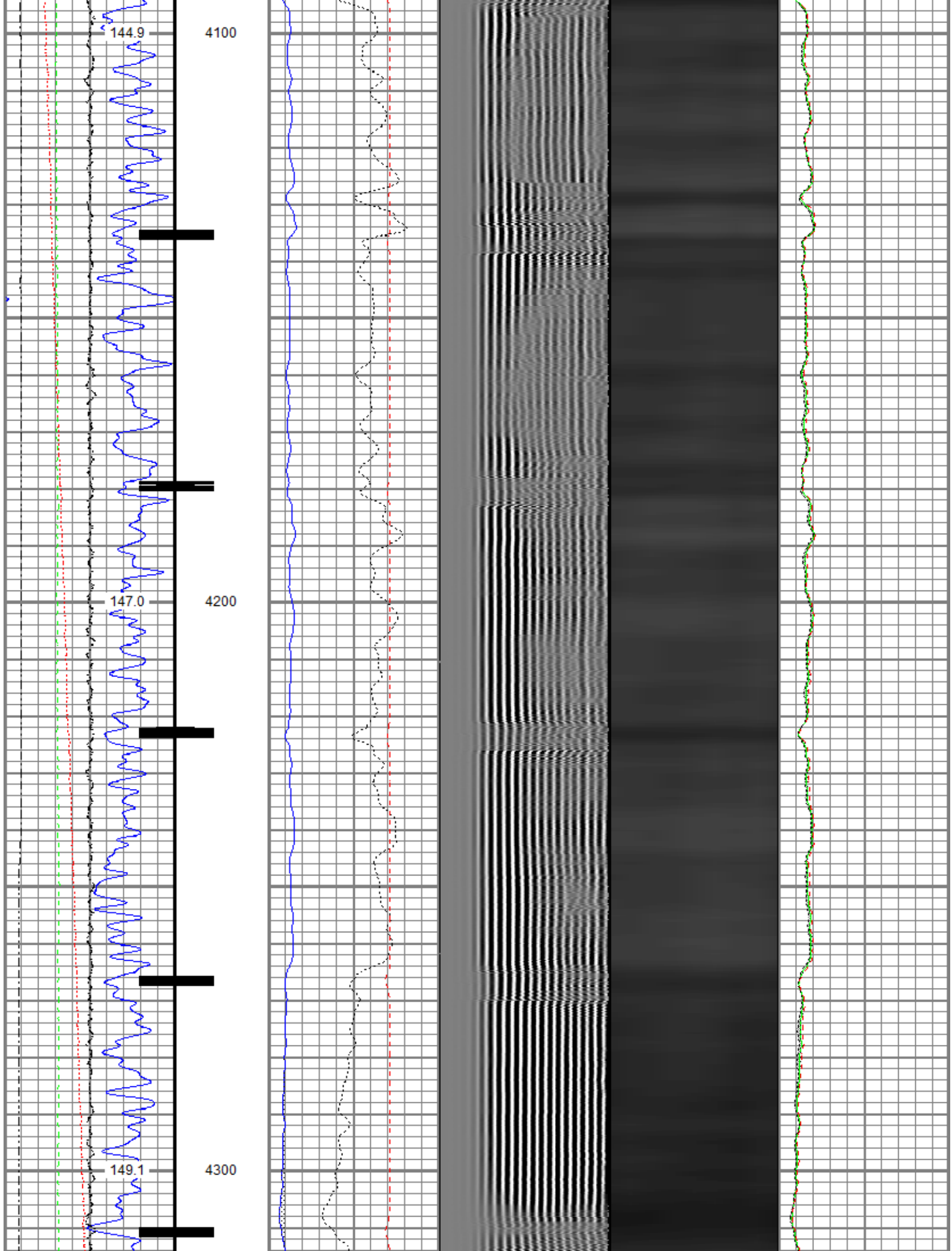


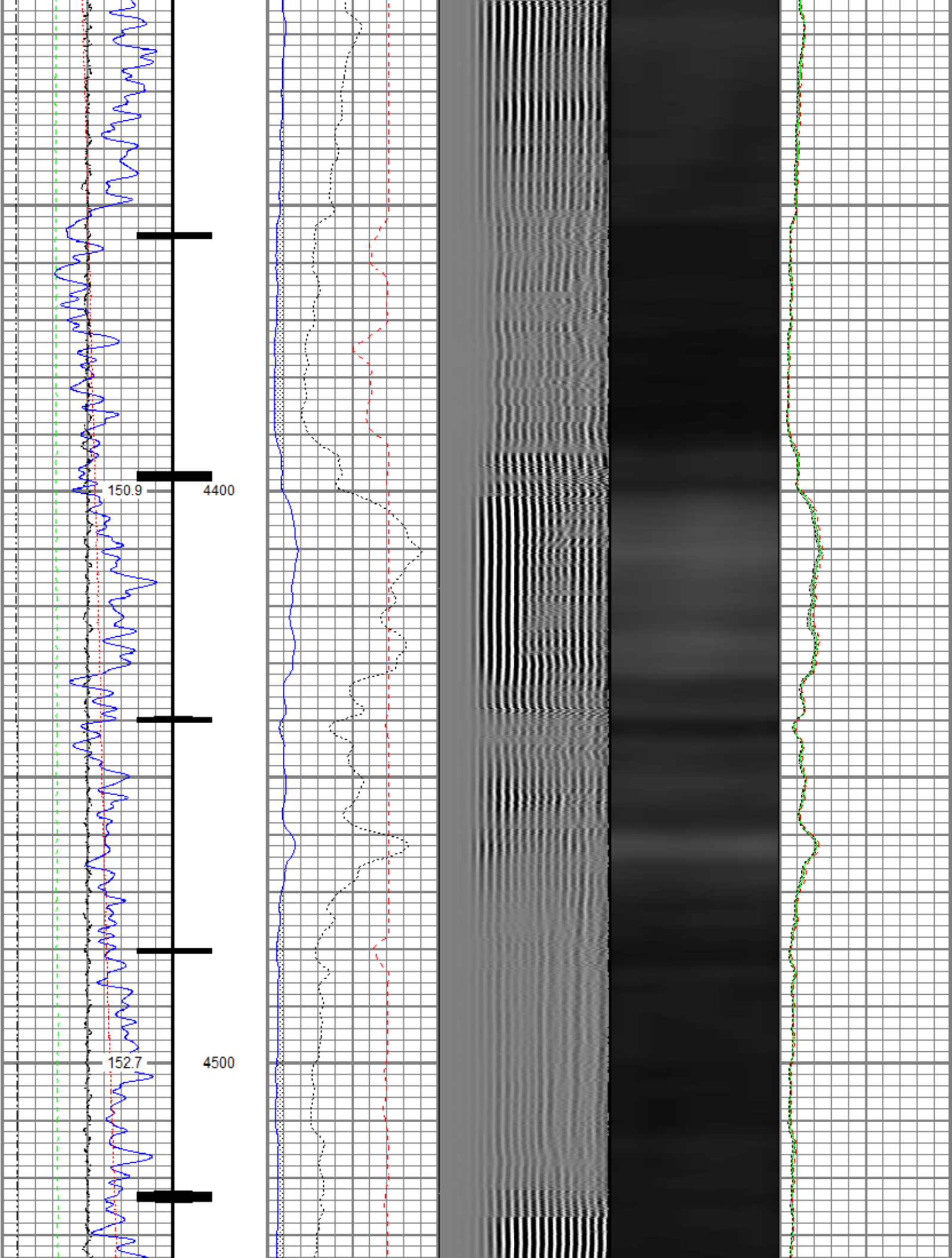


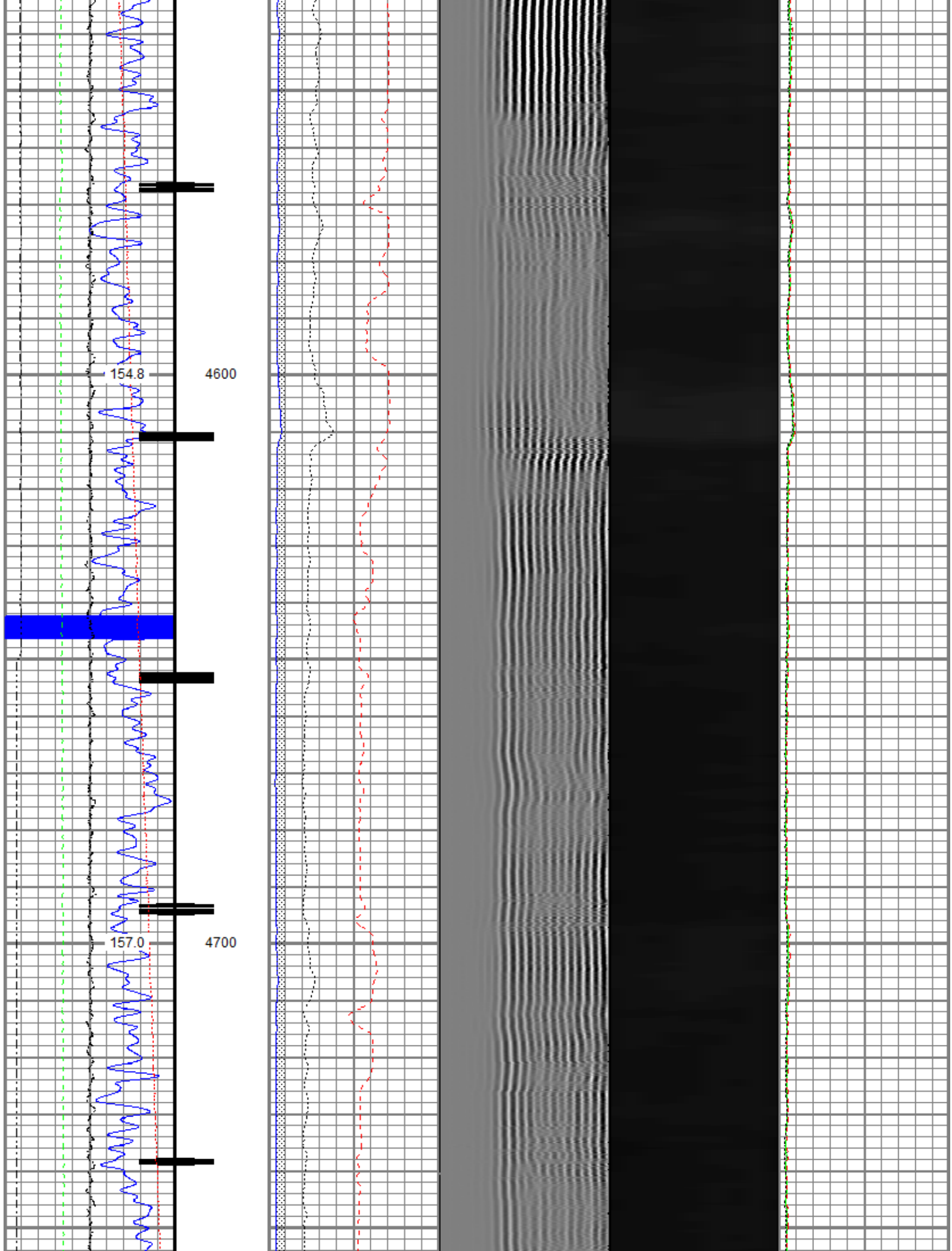


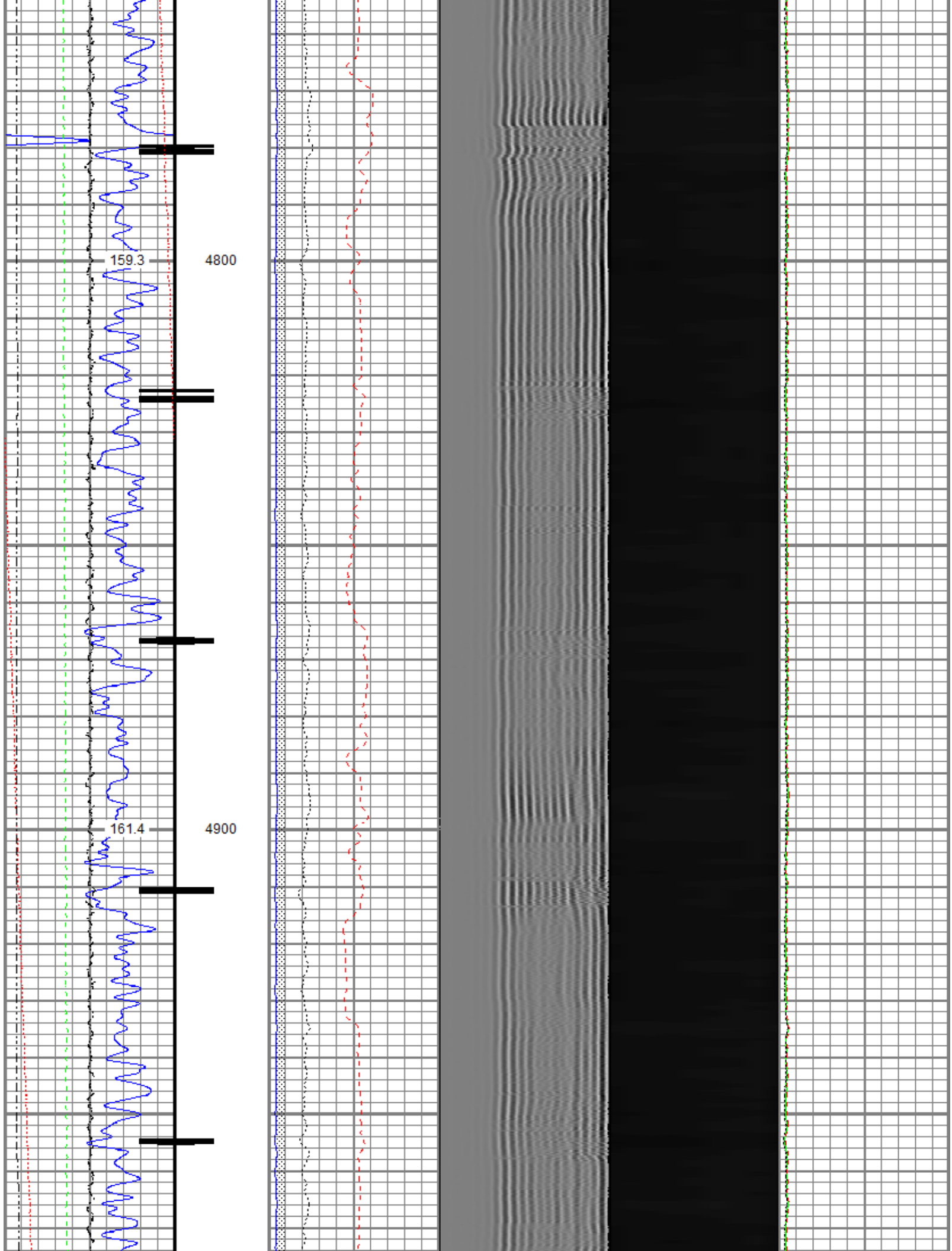


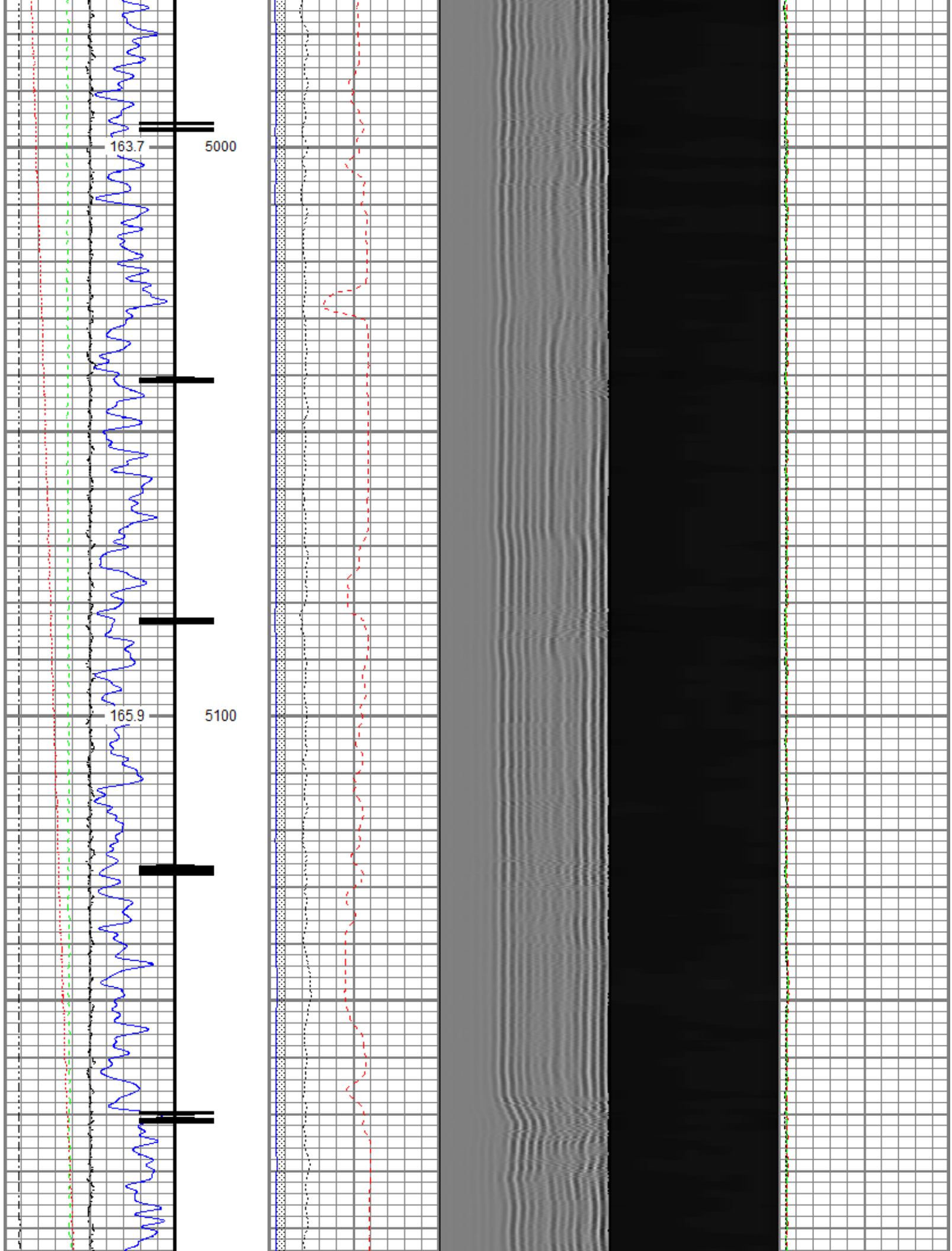


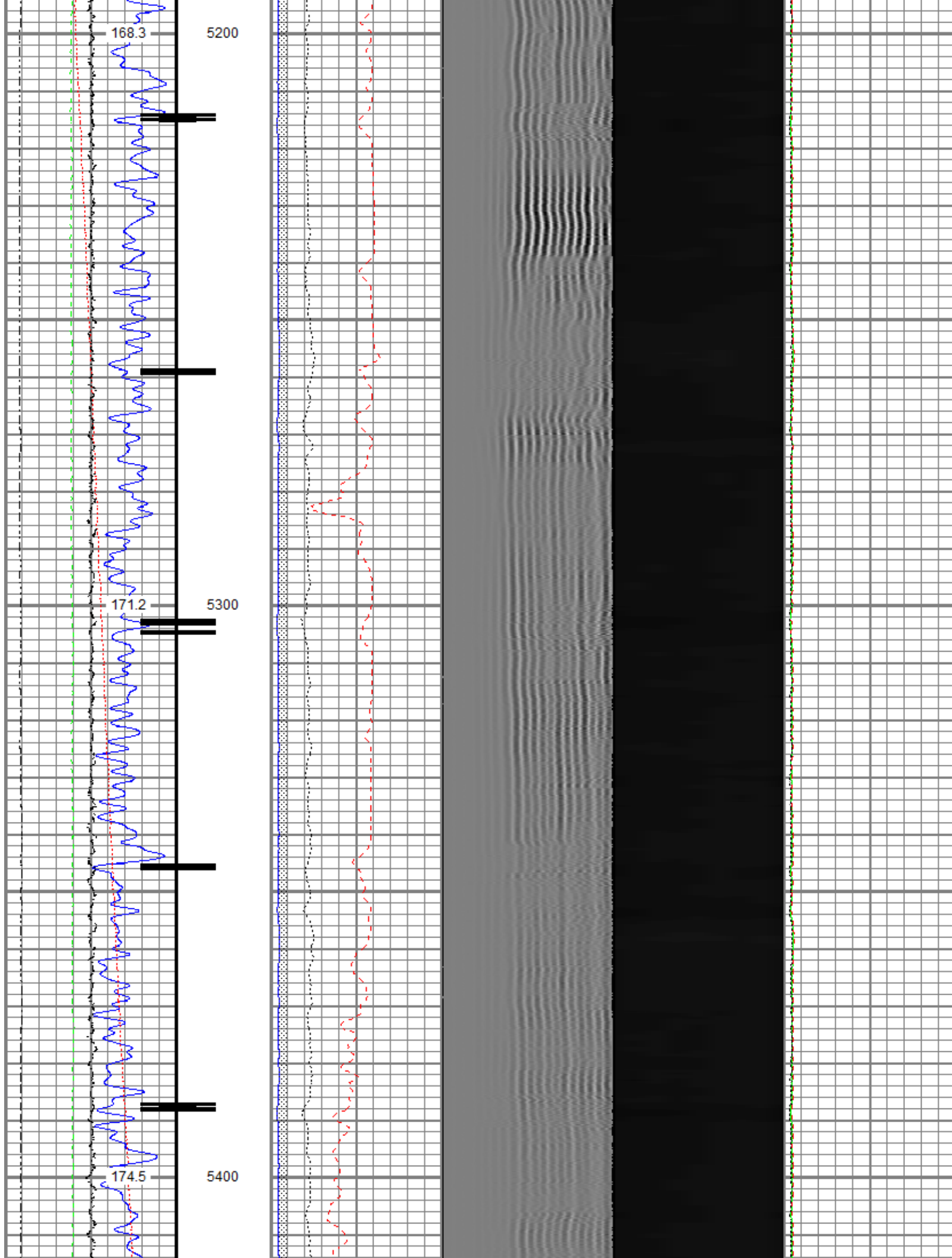


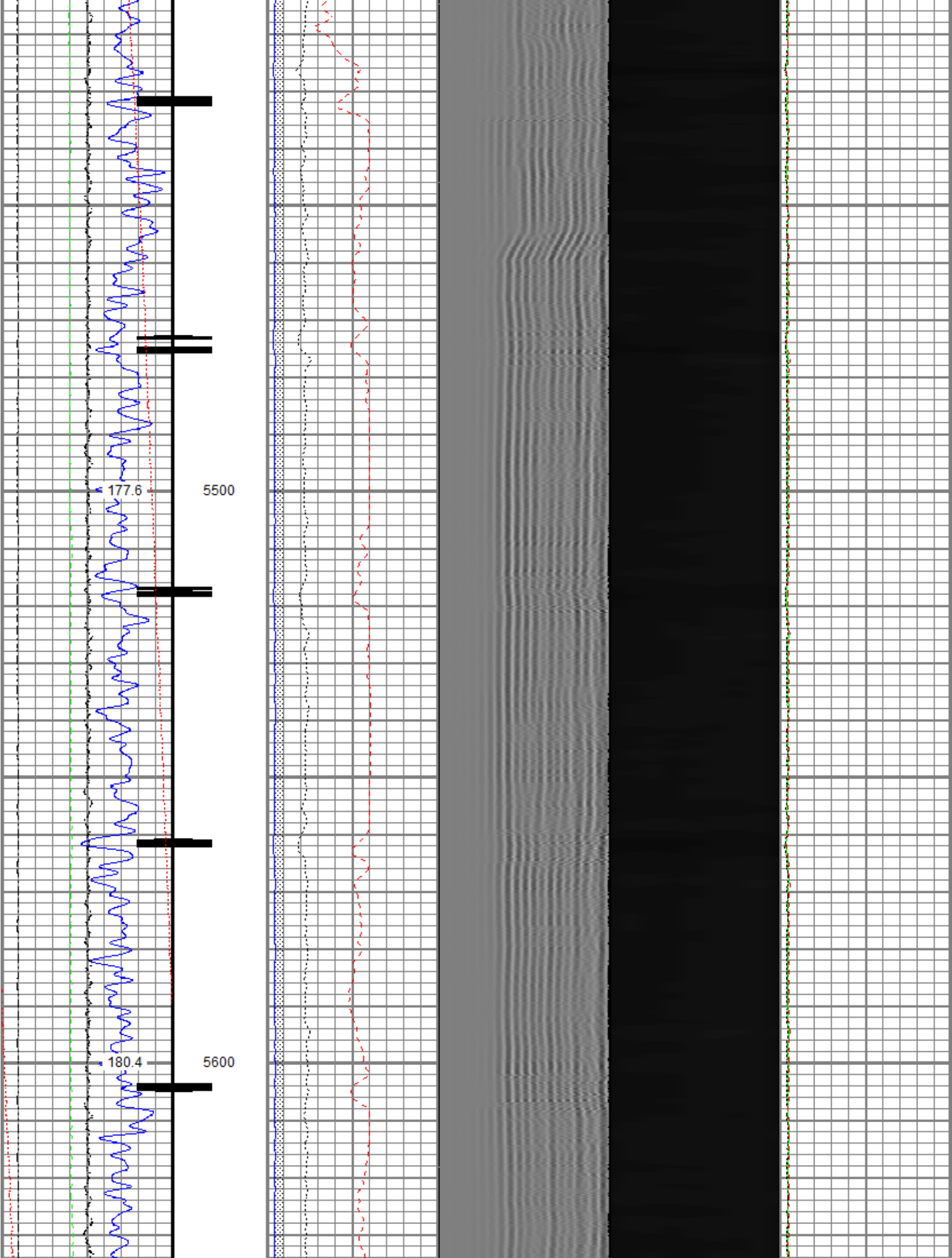


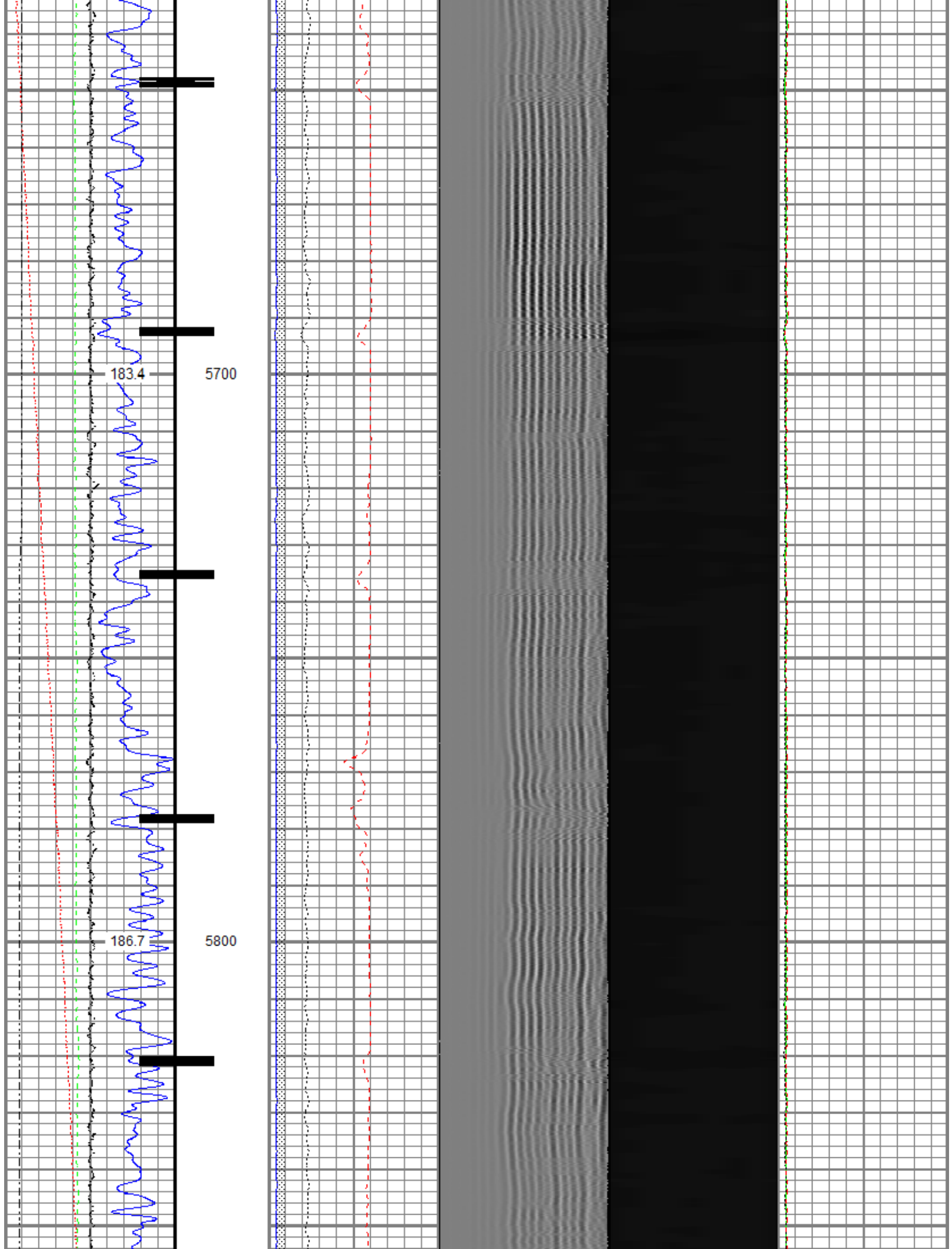


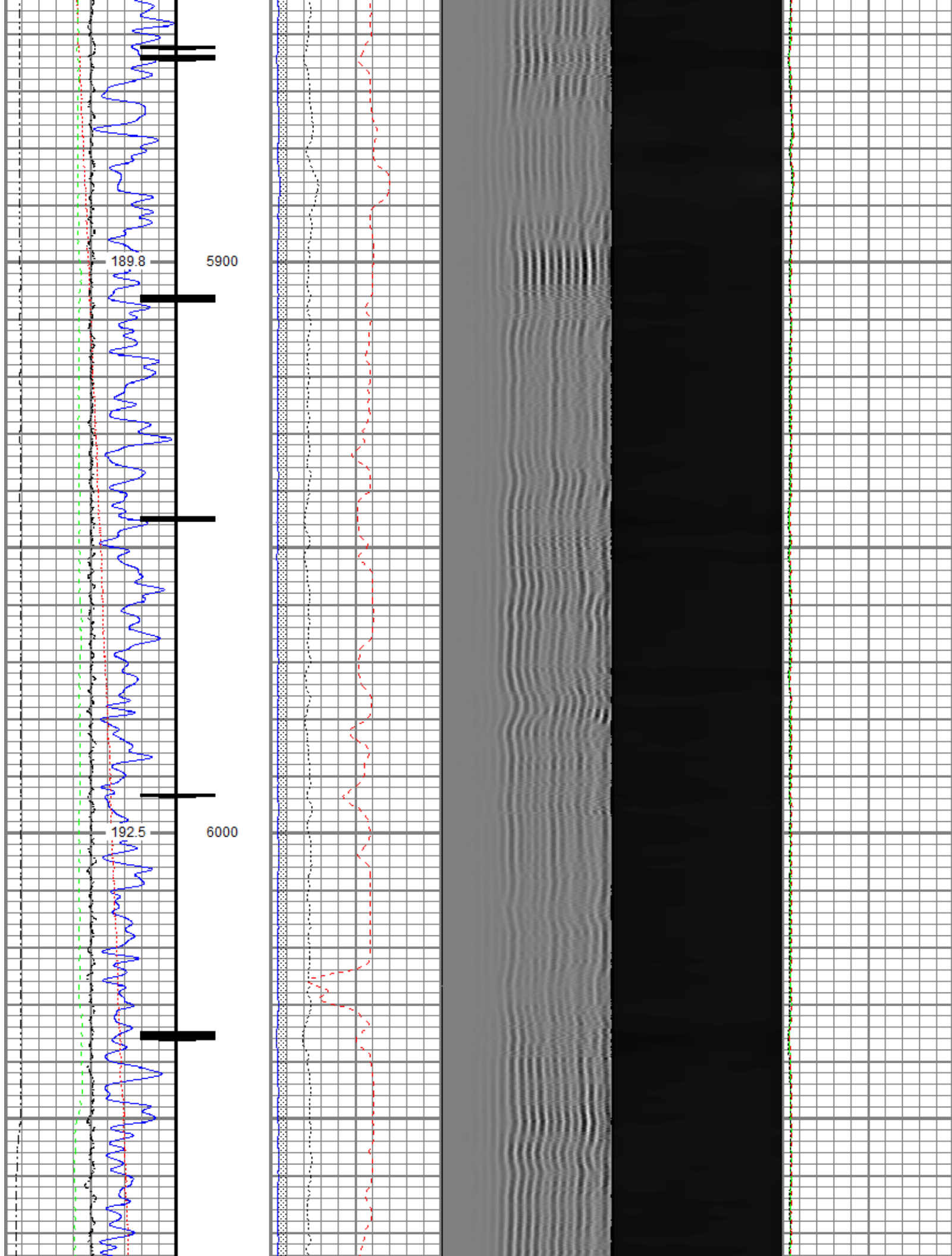


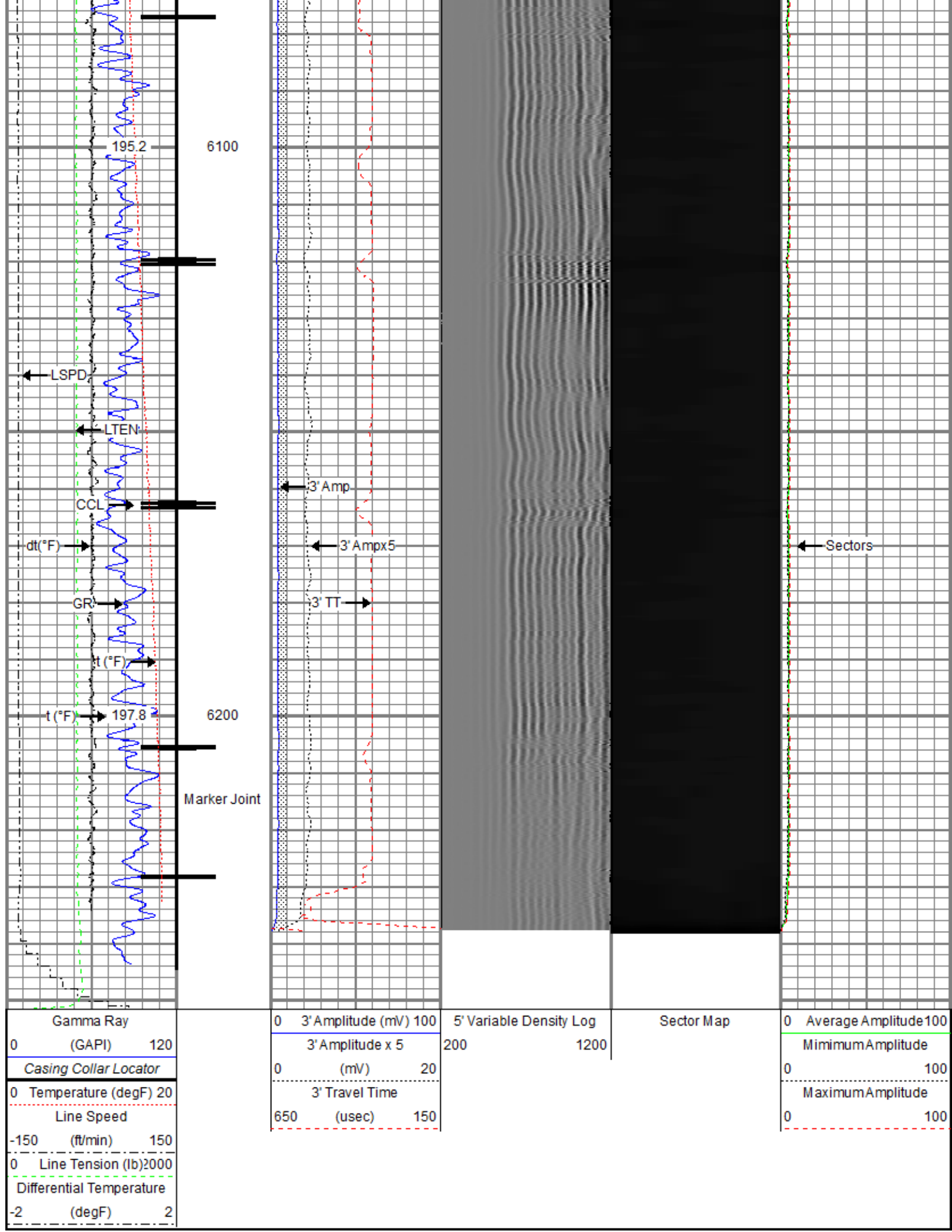












Gamma Ray		
0	(GAPI)	120
Casing Collar Locator		
0	Temperature (degF)	20
Line Speed		
-150	(ft/min)	150
0	Line Tension (lb)	2000
Differential Temperature		
-2	(degF)	2

0	3' Amplitude (mV)	100
3' Amplitude x 5		
0	(mV)	20
3' Travel Time		
650	(usec)	150

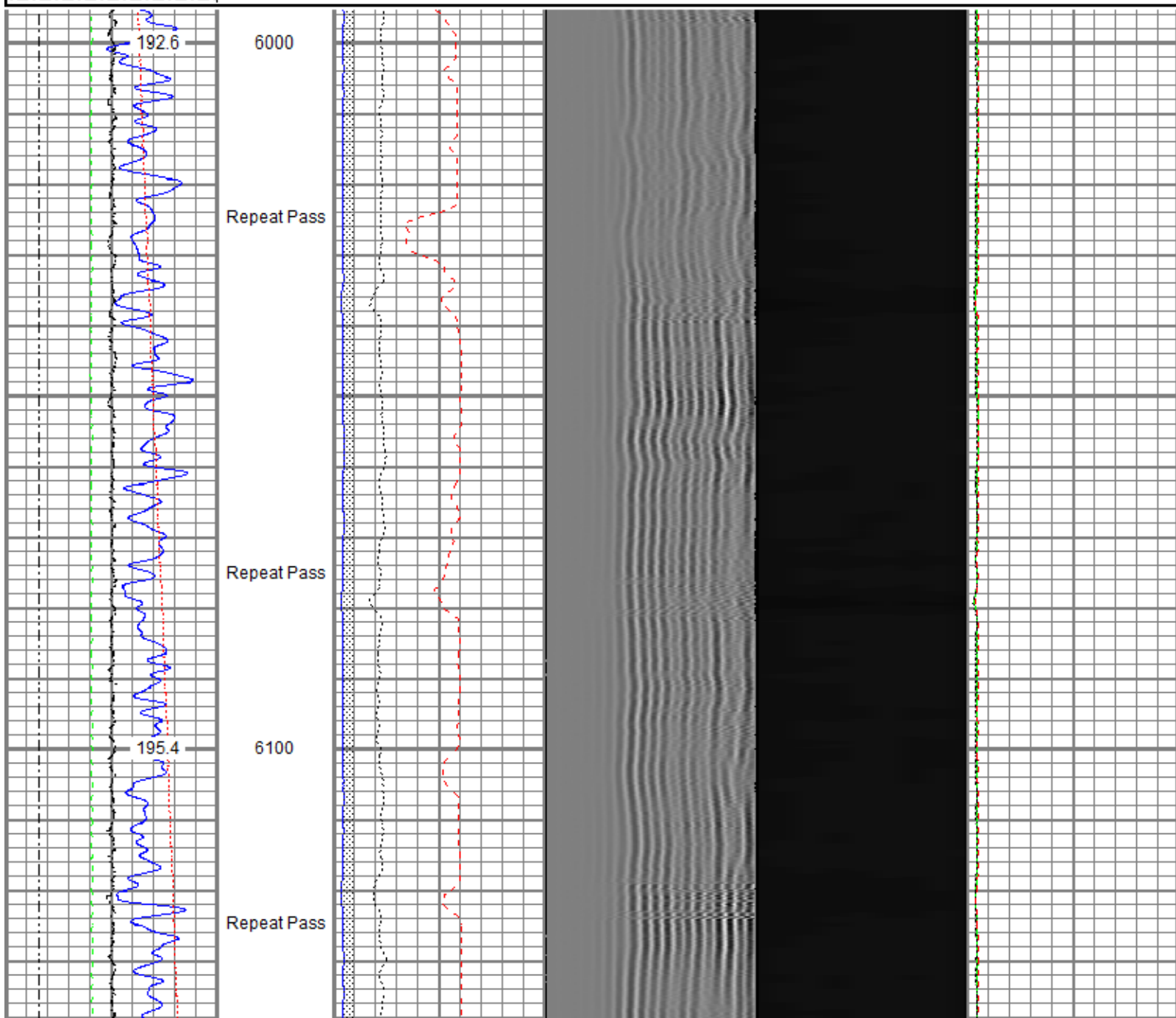
5' Variable Density Log		
200		1200

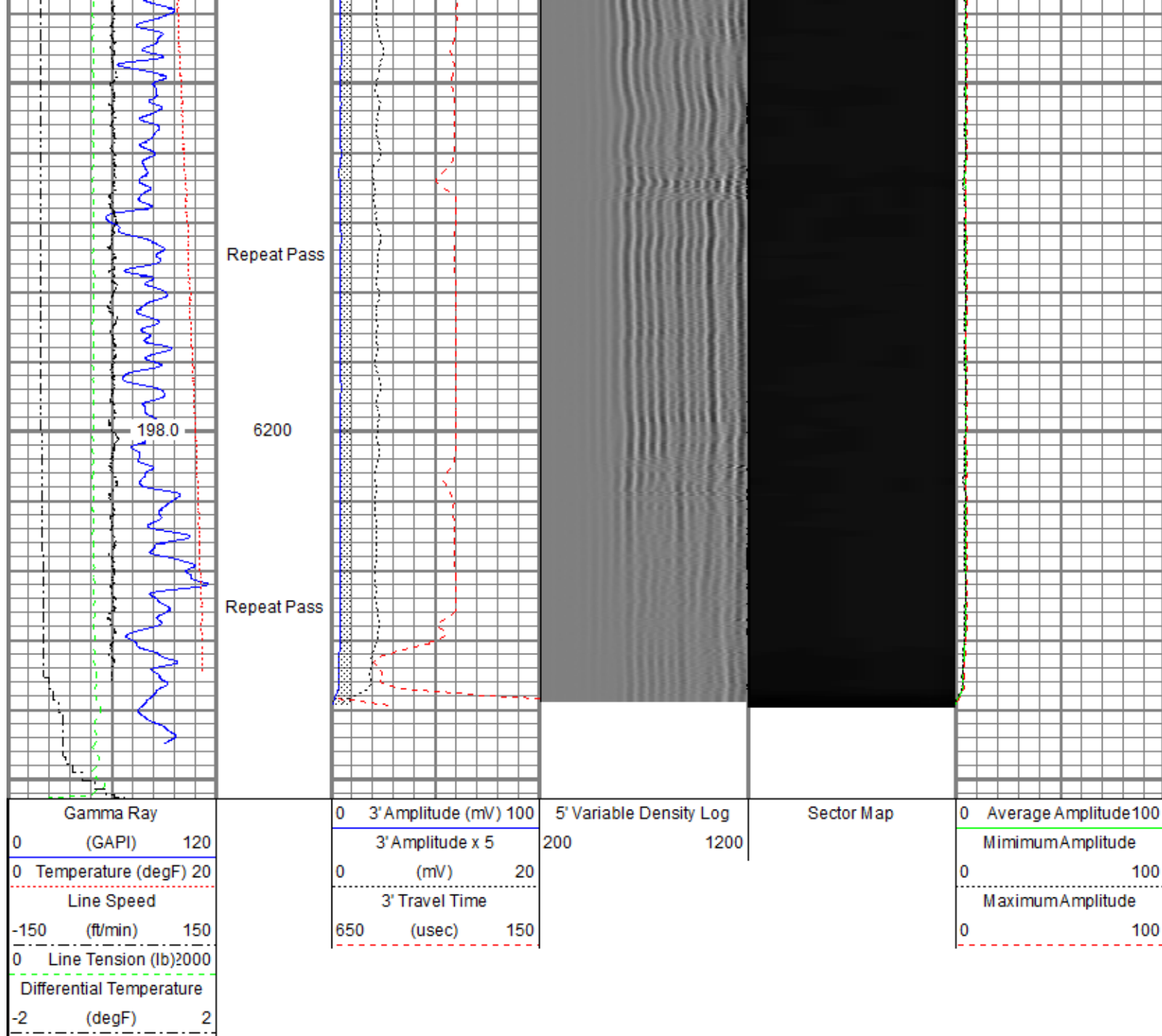
Sector Map		
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0	Average Amplitude	100
Minimum Amplitude		
0		100
Maximum Amplitude		
0		100

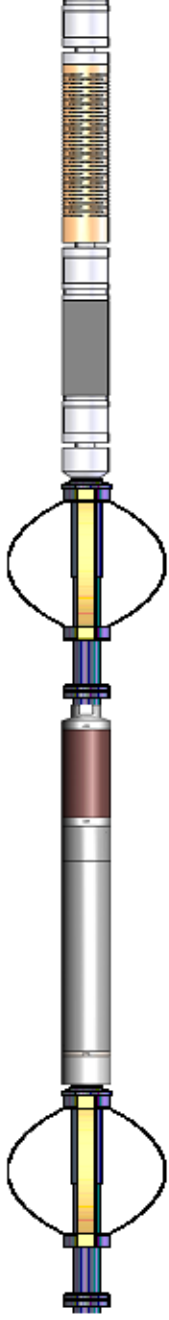
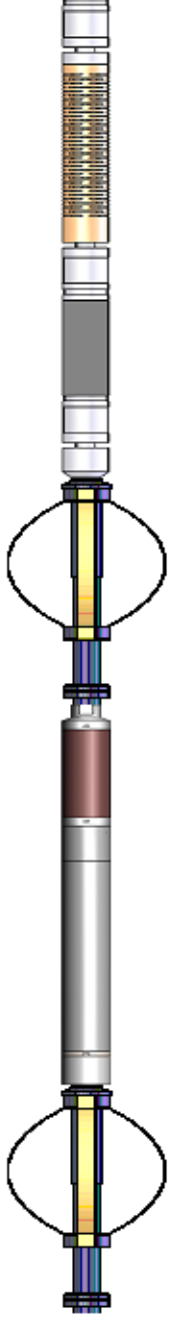
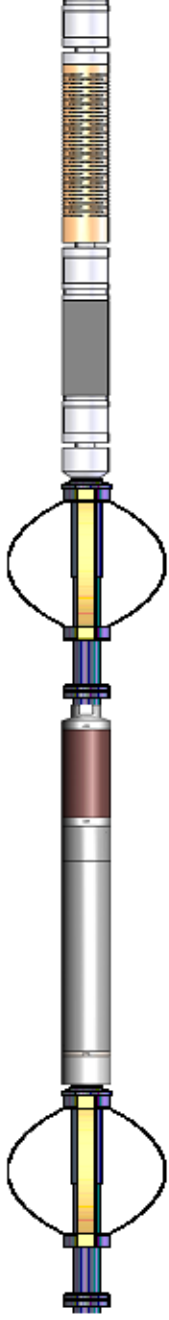
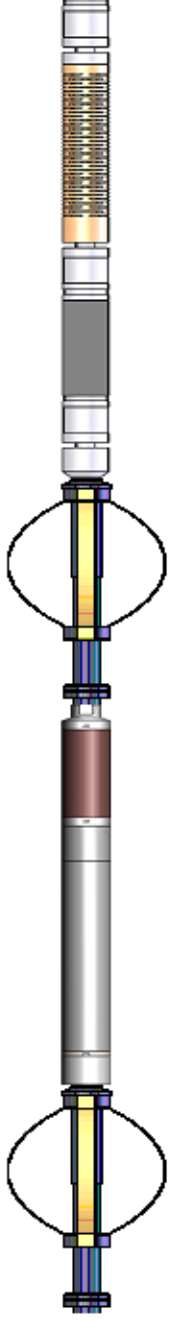
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 Dataset Pathname pass9.2
 Presentation Format ros_radrii
 Dataset Creation Mon Apr 09 18:34:24 2018
 Charted by Depth in Feet scaled 1:240

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





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	17.04		Titan CHD-14375 GO	1.03	1.44	3.60
			Titan 1-7/16" Assembled Electric Cable Head w/ 1" Fishing Neck			
			Probe CENT-2750	2.88	2.75	20.00
			Probe 2-3/4" Electric Inline Bowspring Centralizer			

WVFS8	14.81		Probe Radii-2750 RBT (FW0712-020) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
WVFS7	14.81					
WVFS6	14.81					
WVFS5	14.81					
WVFS4	14.81					
WVFS3	14.81					
WVFS2	14.81					
WVFS1	14.81					
WVFCAL	14.81					
WVF3FT	14.81					
WVF5FT	13.81					
CCL\$2	6.80		Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
CCL\$1	6.80					
GR	5.46					
			Probe GR-CCL-2750 6PB (101001) Probe 2-3/4" rev.1 Digital Scintillation Gamma Ray/CCL Combined with 6 Pin Bottom for CNT	4.80	2.75	55.00
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
Dataset: 0512345860_anadarko_hergenreder 5n-4hz_rbl_04-07-18.db: field/well/run1/merge1.3 Total length: 23.86 ft Total weight: 223.60 lb O.D.: 2.75 in						

Calibration Report		
Database File	c:\programdata\warrior\data\anadarko_hergenreder 5n-4hz\0512345860_anadarko_hergenreder 5n-4hz_rbl_04-07-18.db	
Dataset Pathname	merge1.3	
Dataset Creation	Mon Apr 09 18:26:33 2018	
Gamma Ray Calibration Report		
Serial Number:	101001	
Tool Model:	2750 6PB	
Performed:	Sun Nov 12 11:25:32 2017	
Calibrator Value:	637.0	GAPI
Background Reading:	100.6	cps
Calibrator Reading:	981.1	cps
Sensitivity:	0.7235	GAPI/cps
Segmented Cement Bond Log Calibration Report		

Serial Number: FW0712-020
Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
Calibration Depth: -0.478 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.362	0.800	71.921	196.561	0.761
CAL	0.006	0.384				
5'	-0.021	0.339	0.800	71.921	197.664	4.892
SUM						
S1	0.000	0.364	0.000	100.000	274.692	-0.048
S2	0.000	0.368	0.000	100.000	271.570	-0.054
S3	0.000	0.370	0.000	100.000	270.728	-0.054
S4	0.000	0.368	0.000	100.000	272.215	-0.068
S5	0.000	0.368	0.000	100.000	272.160	-0.054
S6	-0.000	0.371	0.000	100.000	269.455	0.081
S7	-0.000	0.371	0.000	100.000	269.185	0.054
S8	-0.002	0.373	0.000	100.000	266.256	0.657

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	0.384	1.000	0.000

Air Zero Calibration, performed Sat Apr 07 09:37:29 2018:

	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	

Temperature Calibration Report

Serial Number: FW0712-020
Tool Model: 2750 RBT
Performed: Thu Dec 21 07:48:40 2017

	Reference	Reading
Low Reference:	100.00 degF	109.43 degF
High Reference:	350.00 degF	405.87 degF
Gain:	0.84	
Offset:	7.72	
Delta Spacing	1	



Well	Hergenreder 5N-4HZ
Field	Wattenberg
County	Weld
State	Colorado