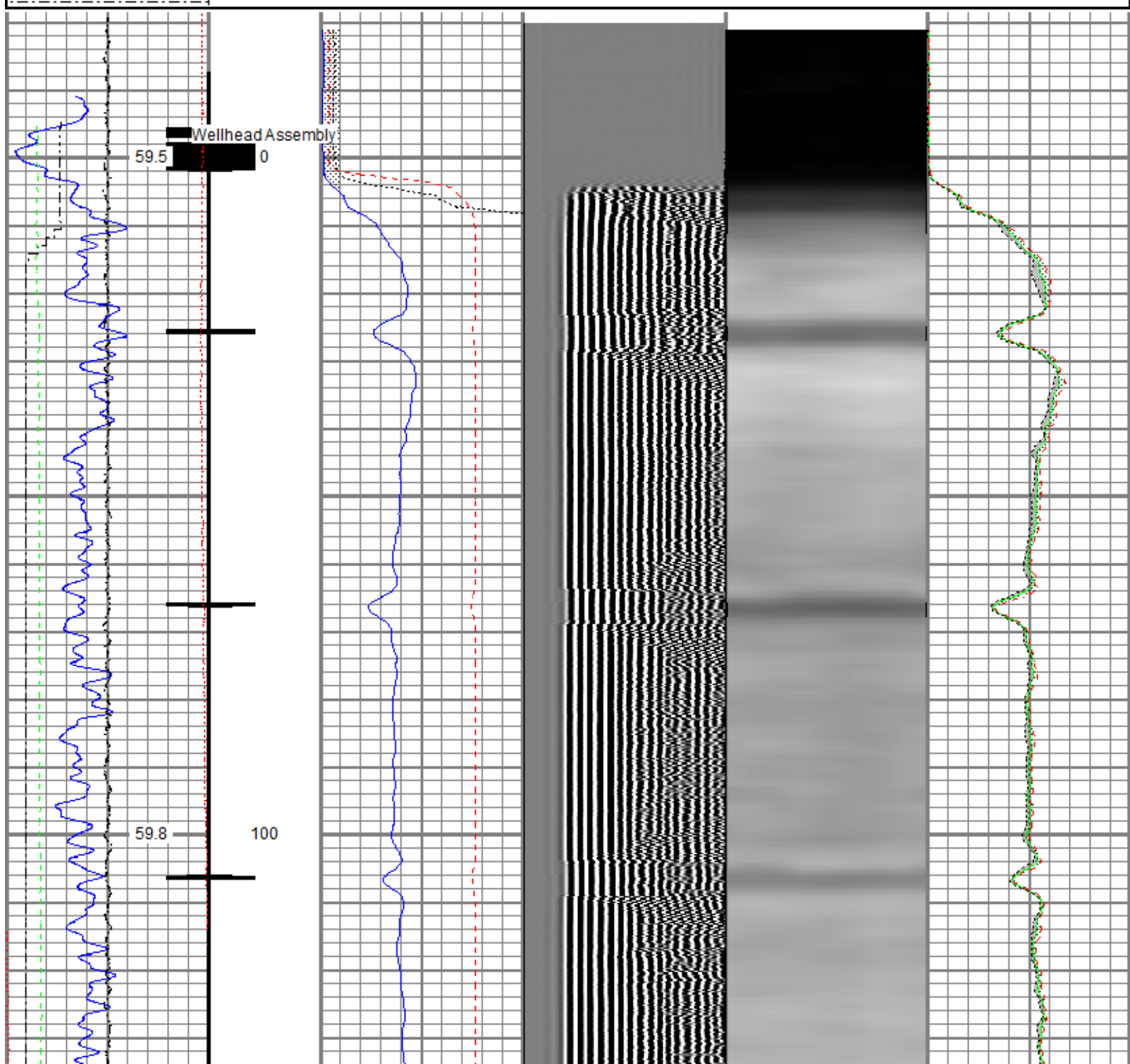


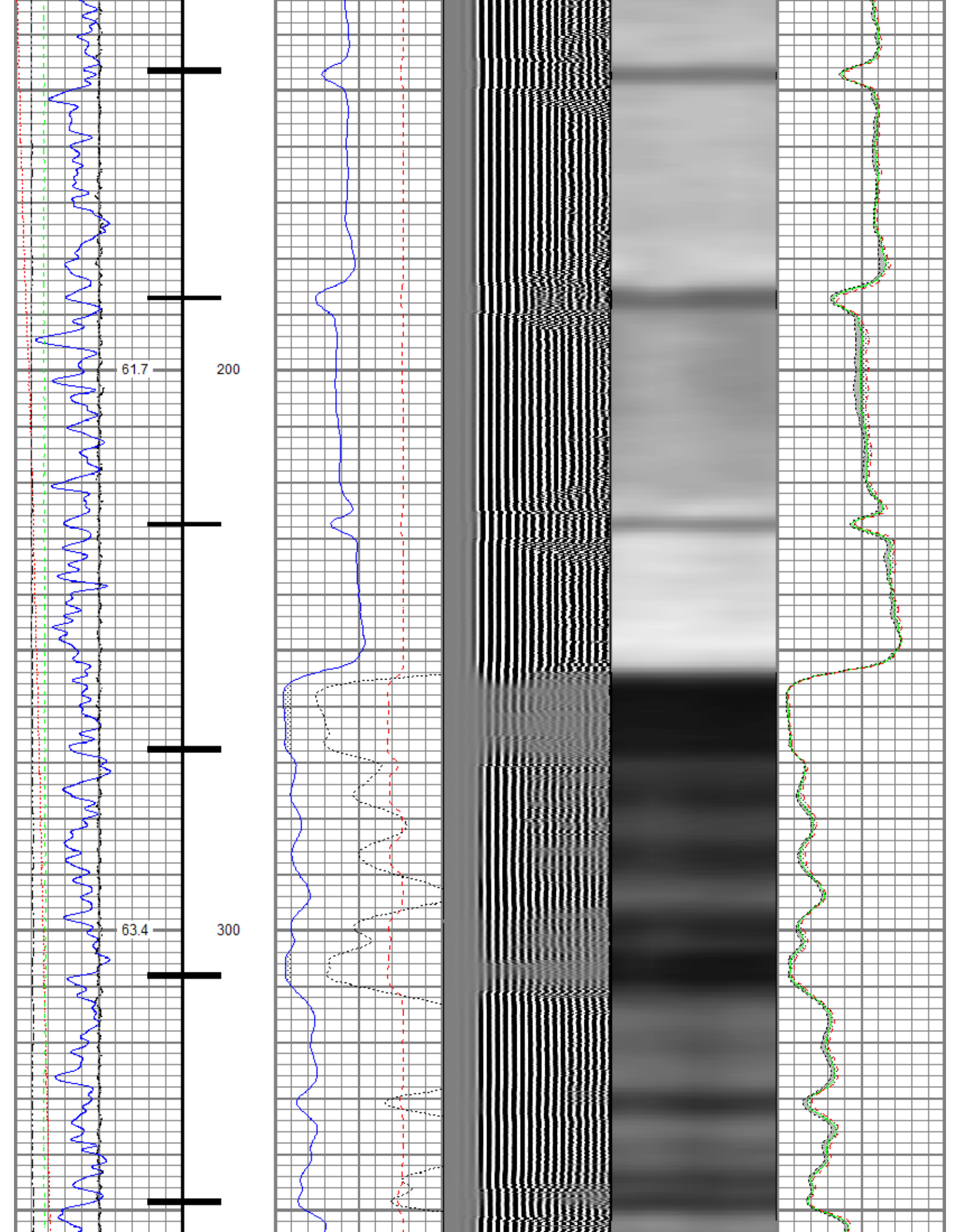


<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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
<p>Log ran as per customer request Depth referenced to Ground Level at 0 FT Adjusted +1 FT to correlate with Ground Level Log ran from 4987 FT to Surface Log ran with 0 PSI Surface Induced Pressure Logging tools were clean and free of any debris upon completion of operations</p> <p>Thank you for choosing Reliance Oilfield Services, LLC!!</p>

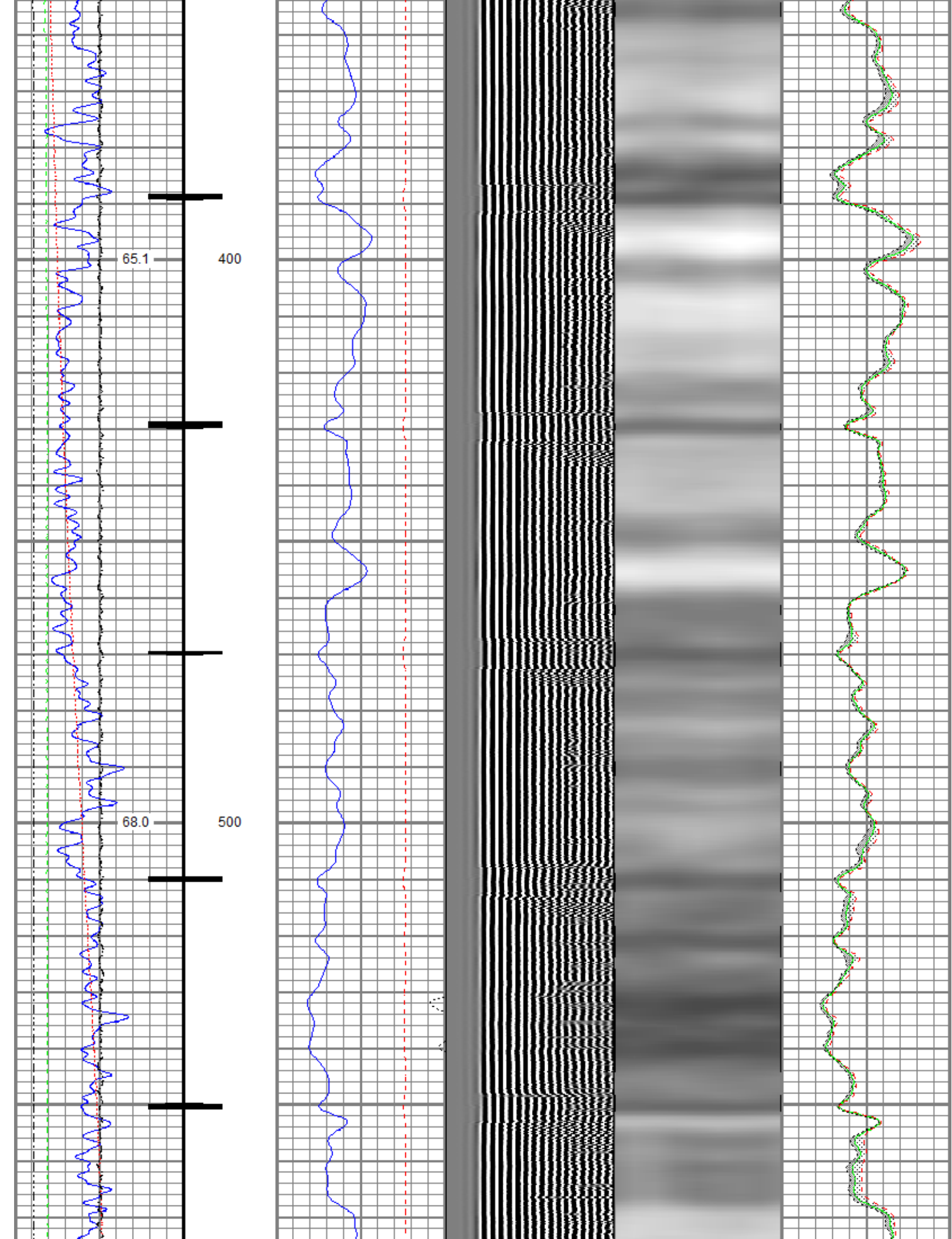
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Dataset Pathname	main.1
Presentation Format	ros_radri
Dataset Creation	Tue Sep 25 10:42:49 2018
Charted by	Depth in Feet scaled 1:240

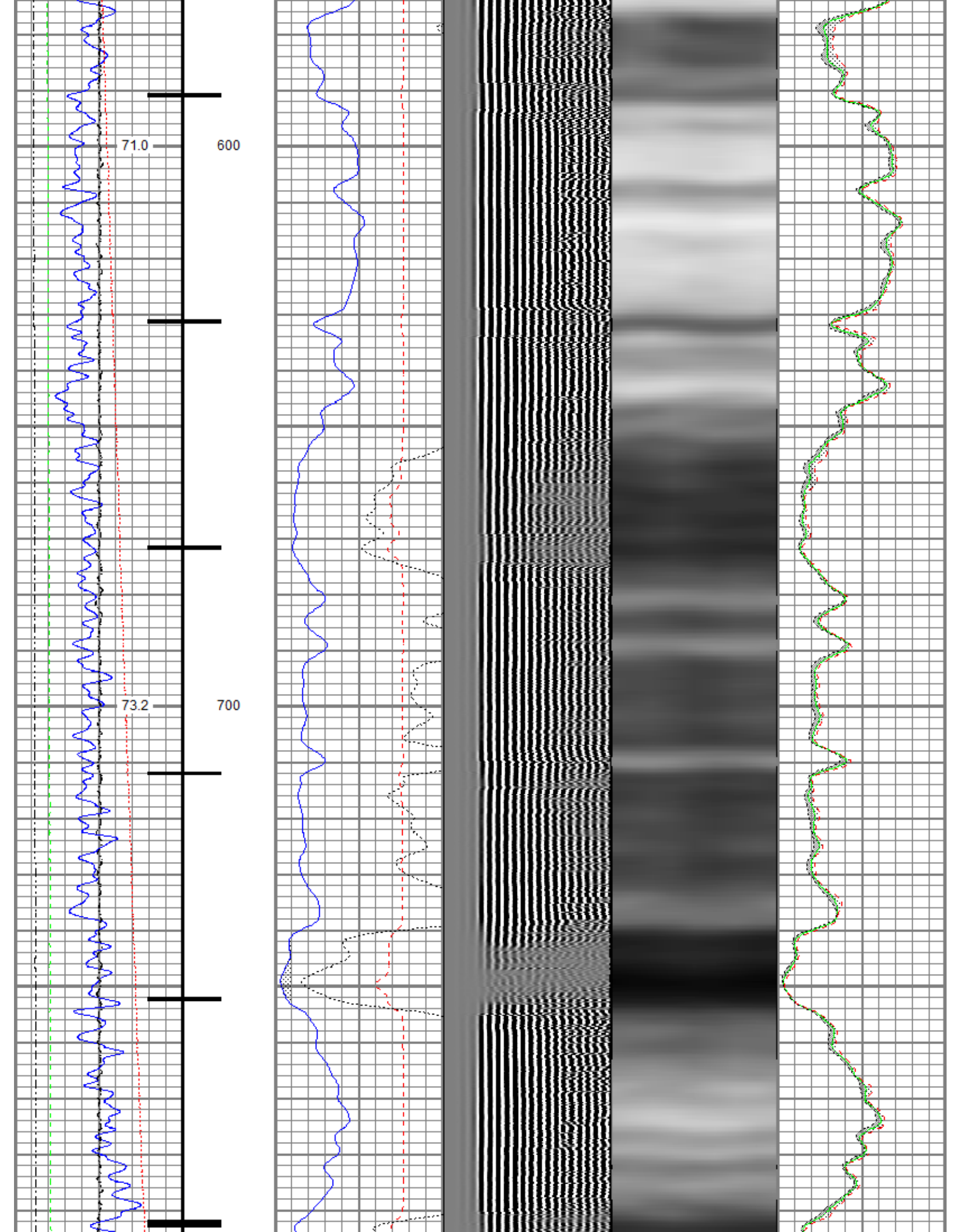
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
(ft/min) 150						
Line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

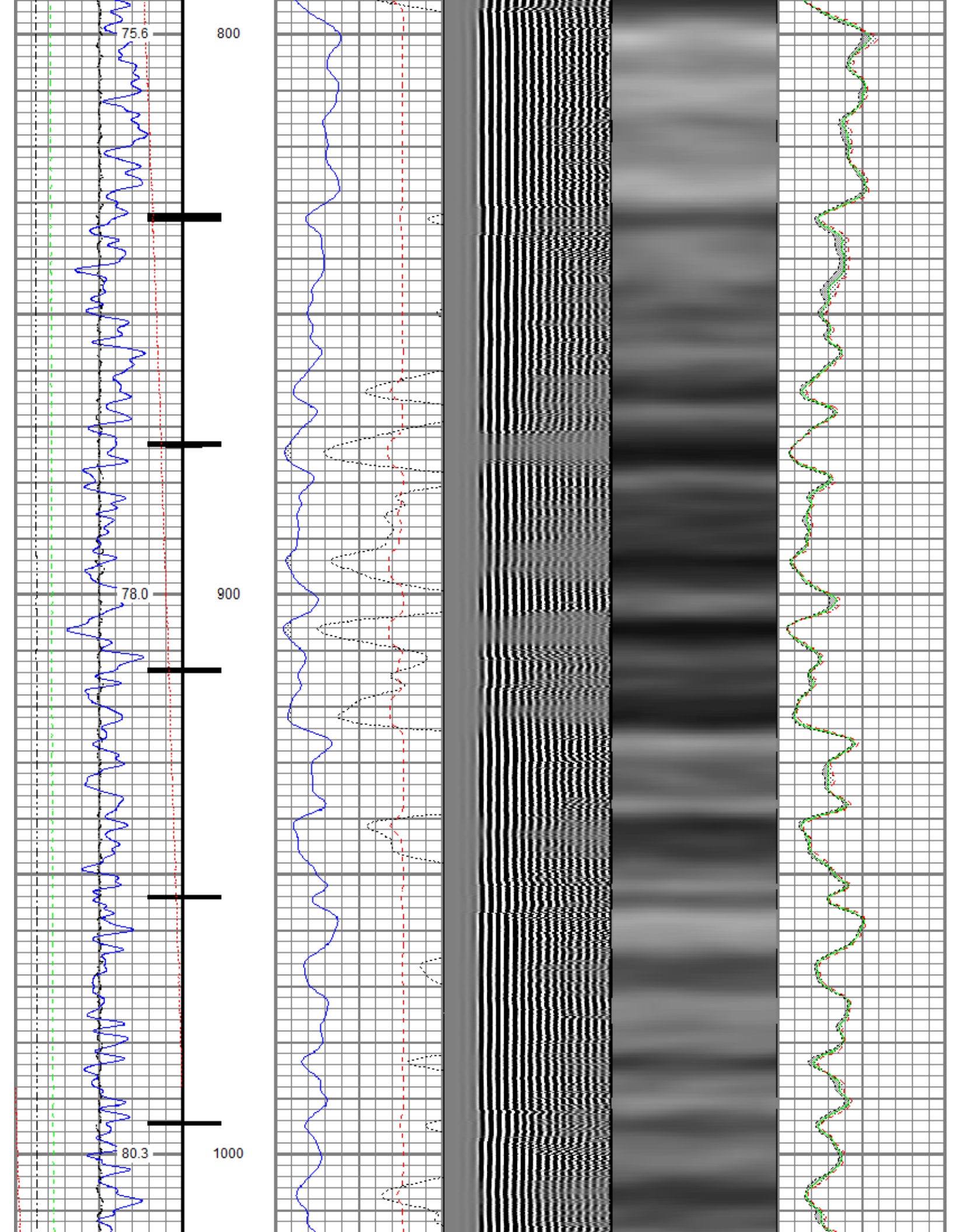




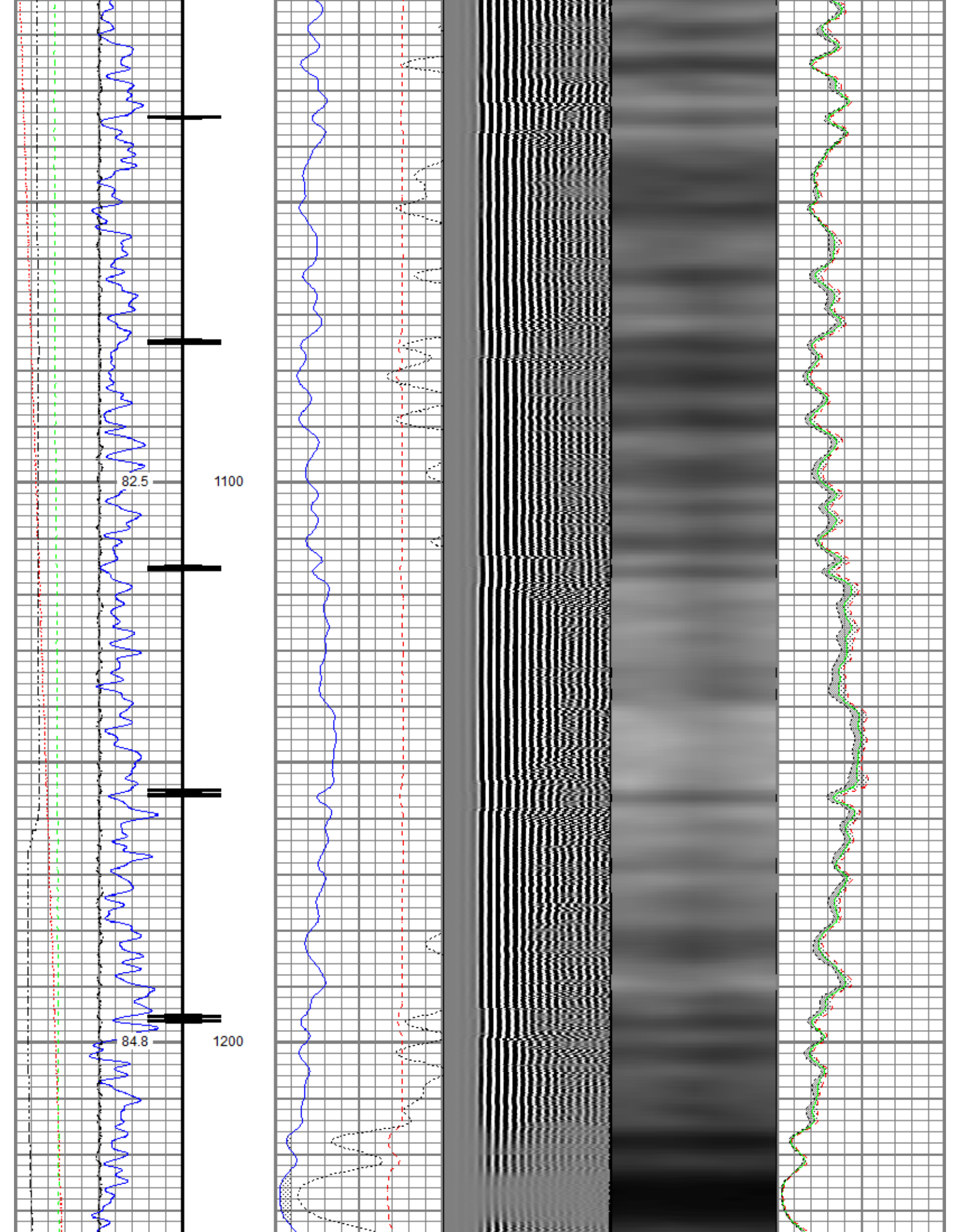


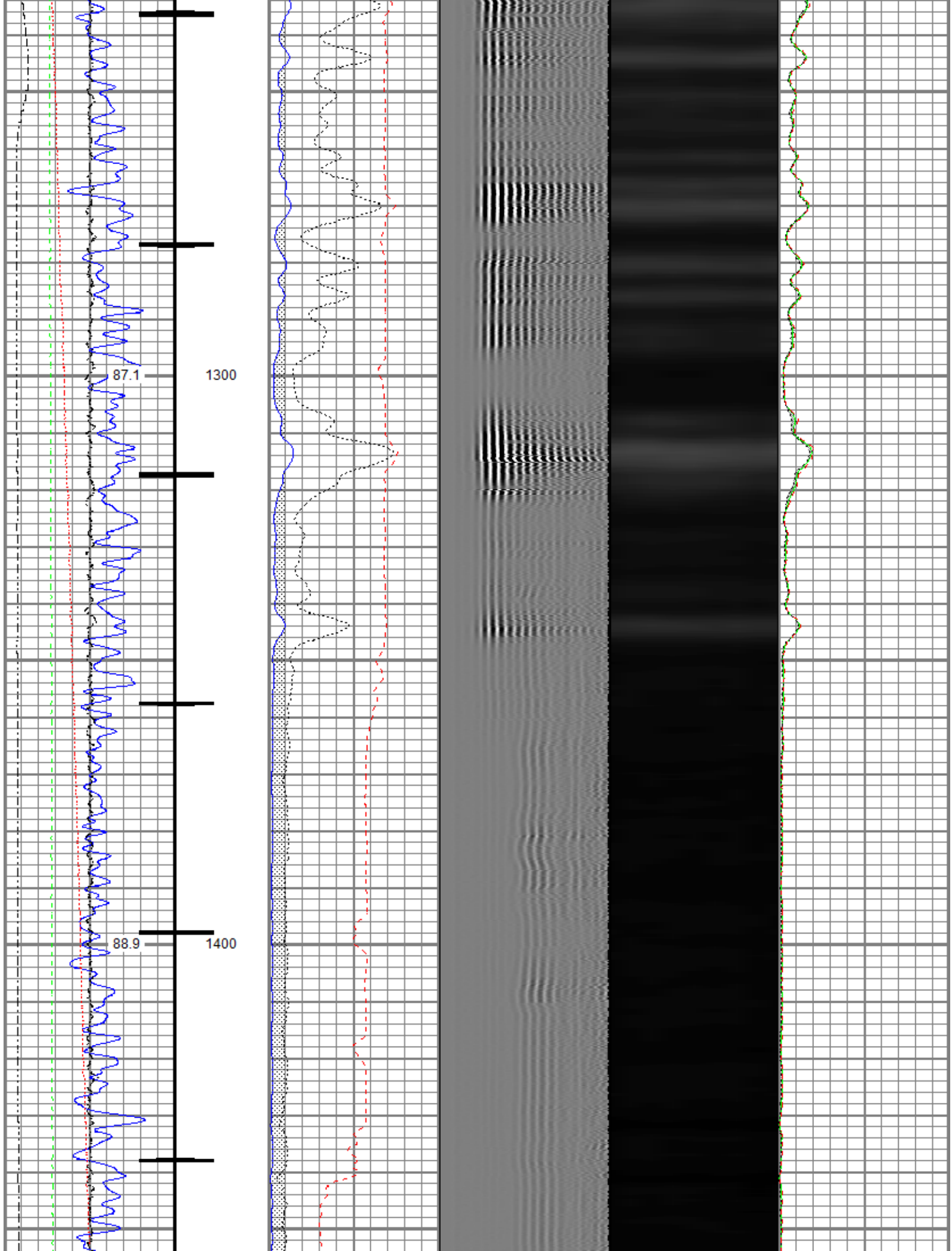




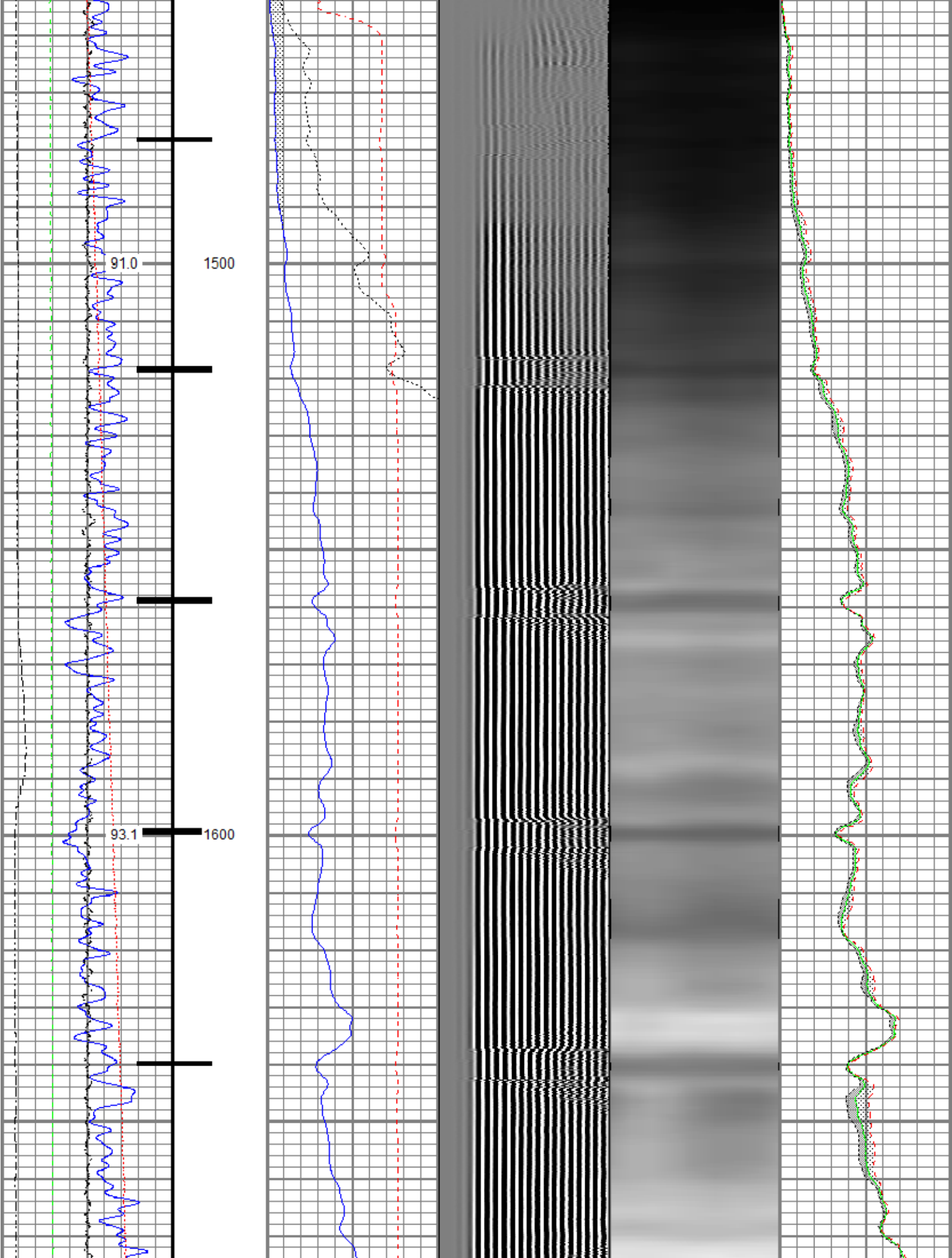


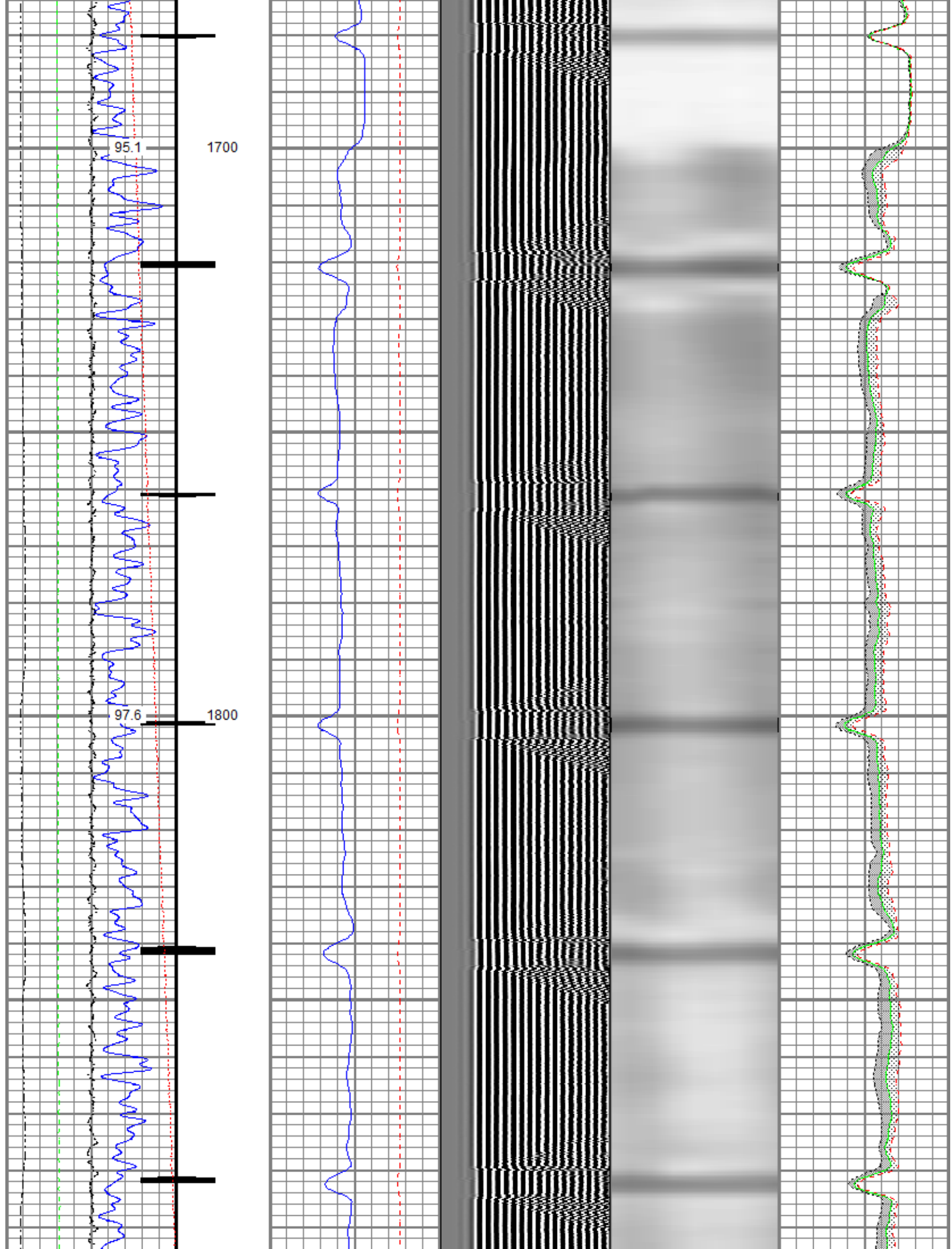


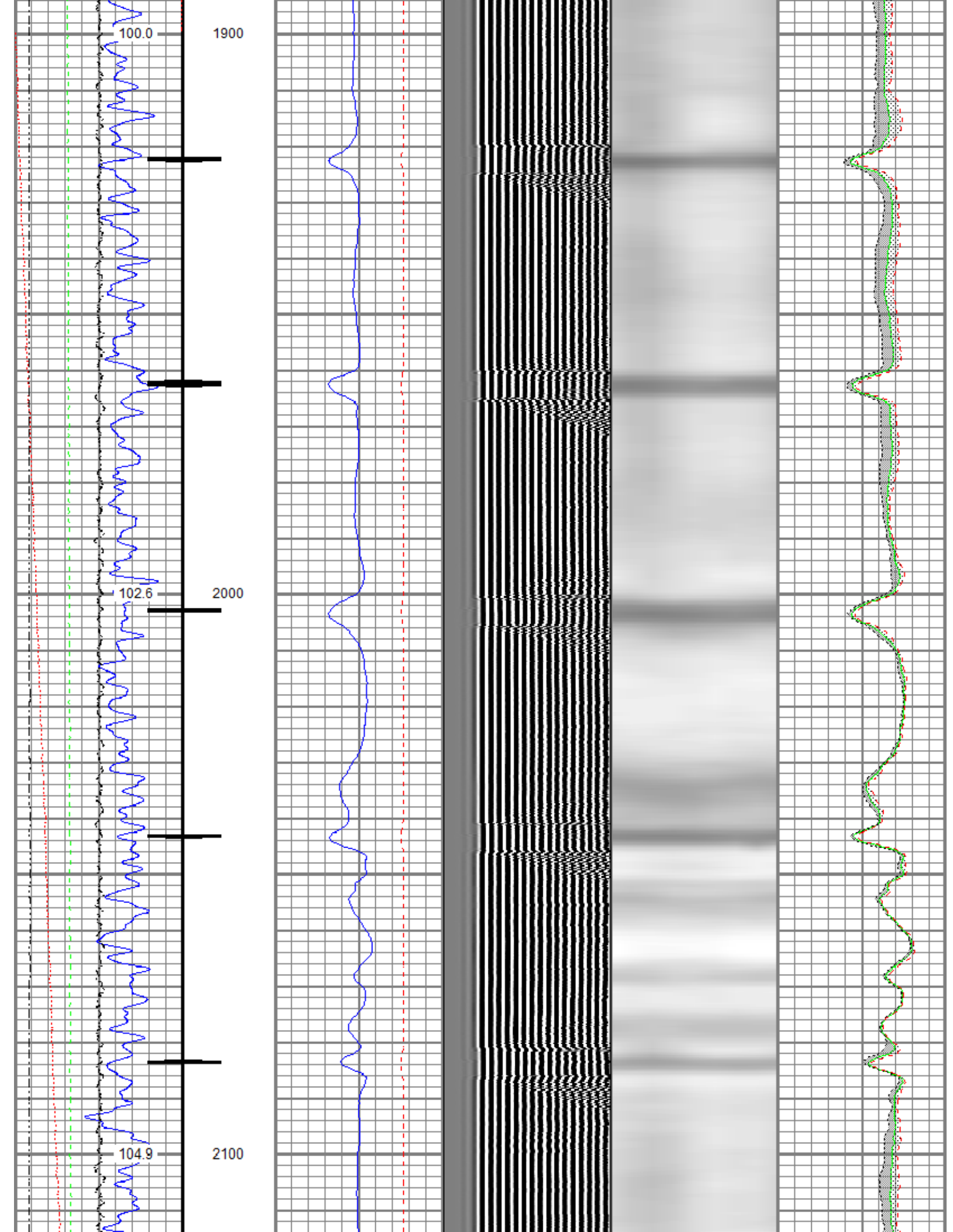




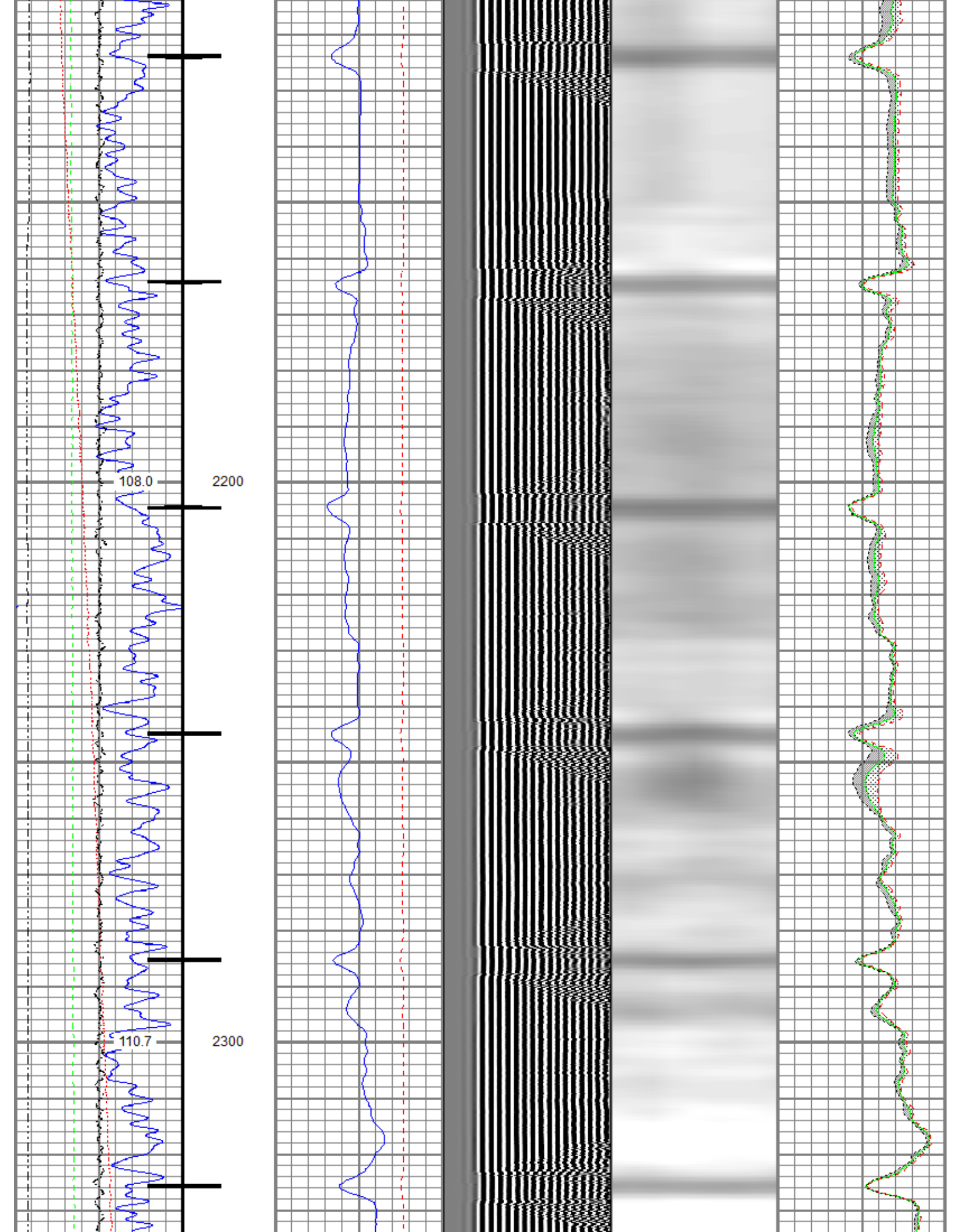


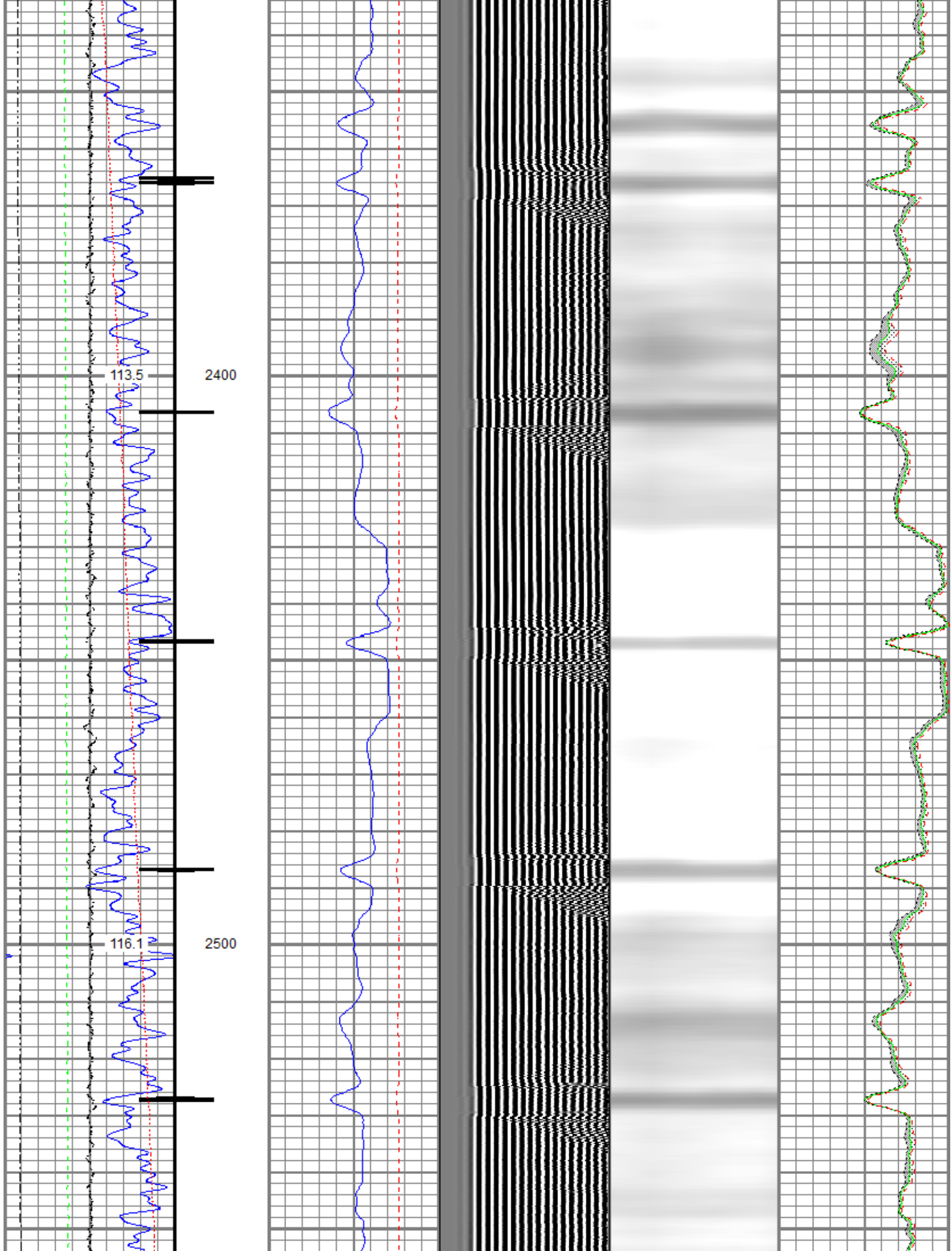


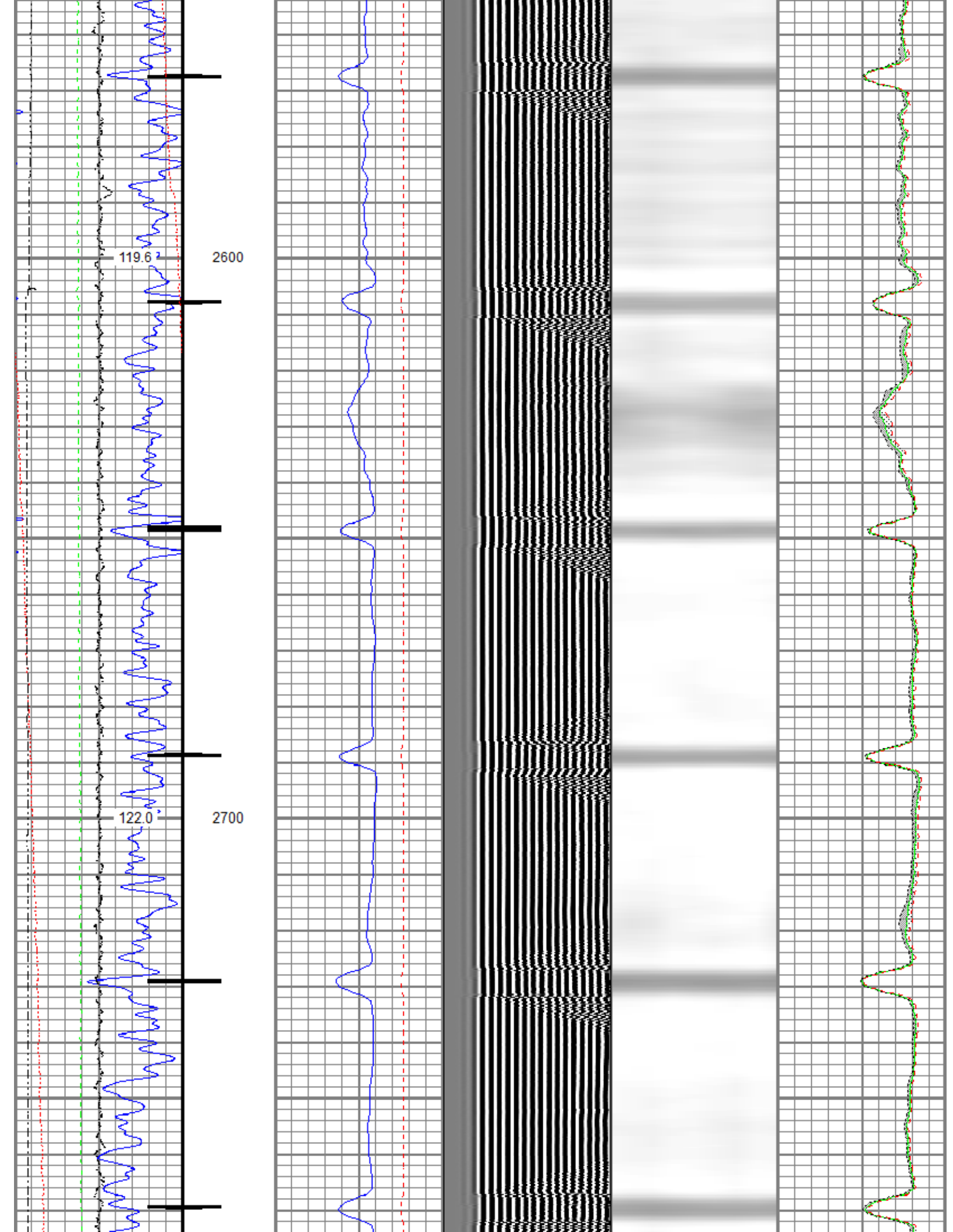




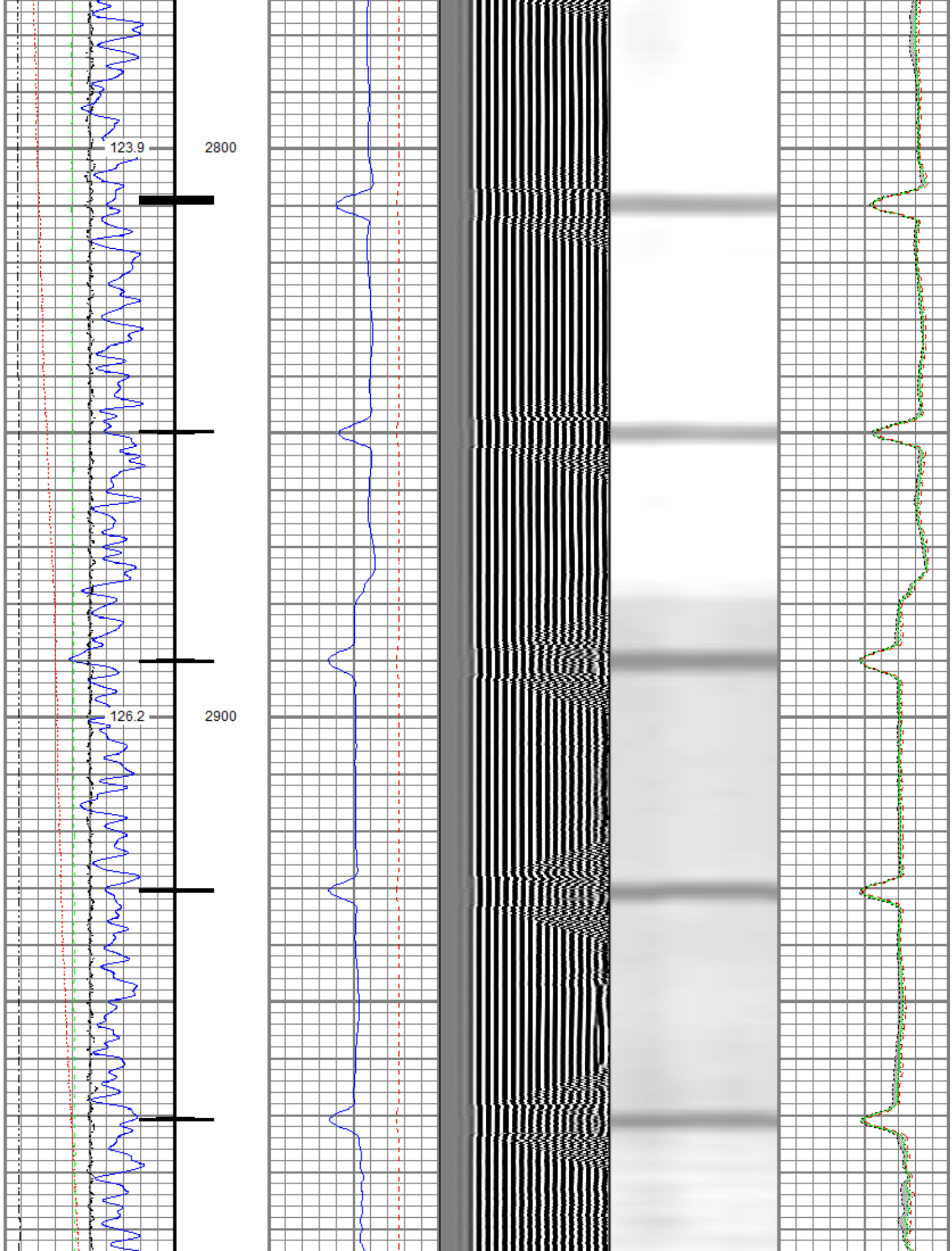


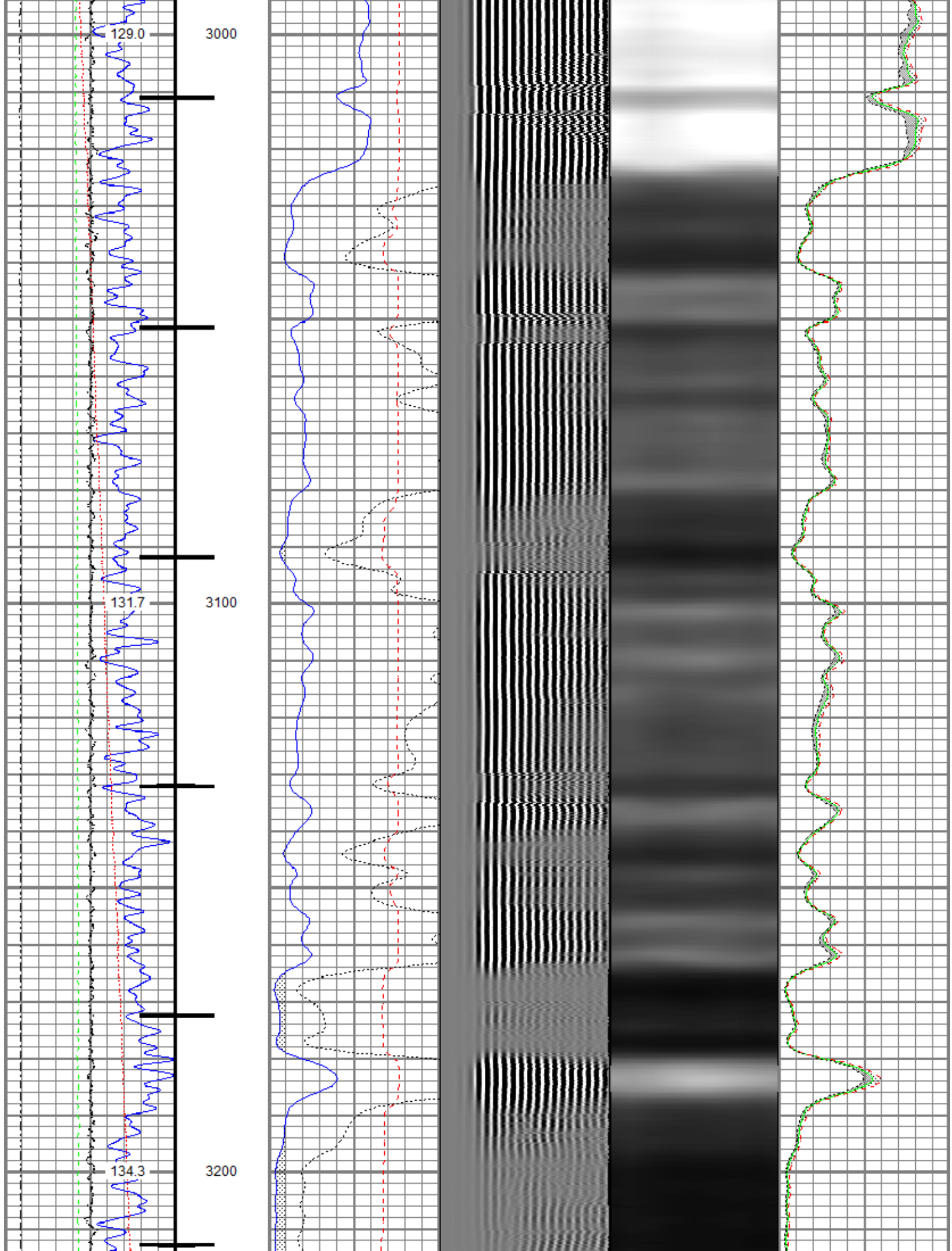


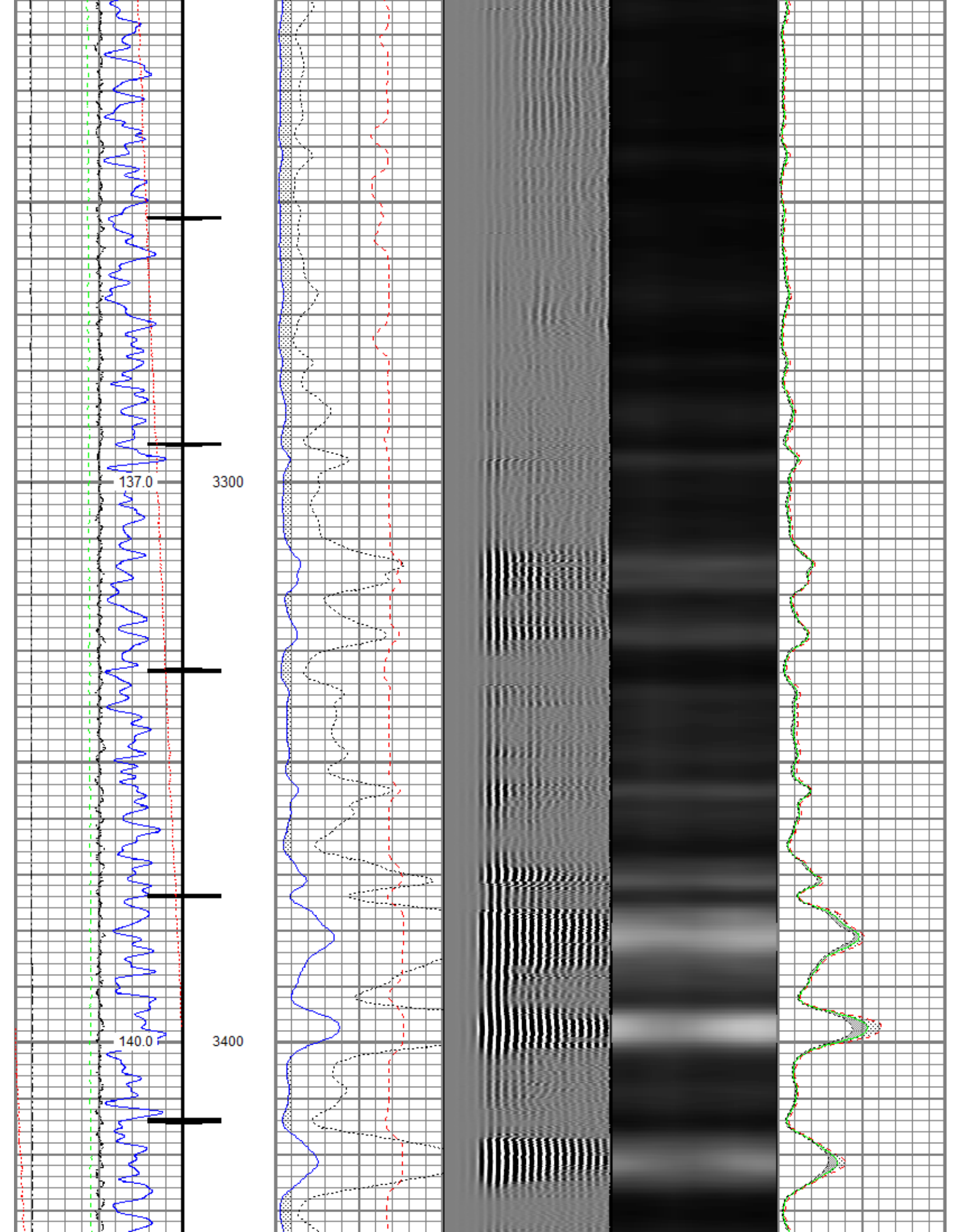




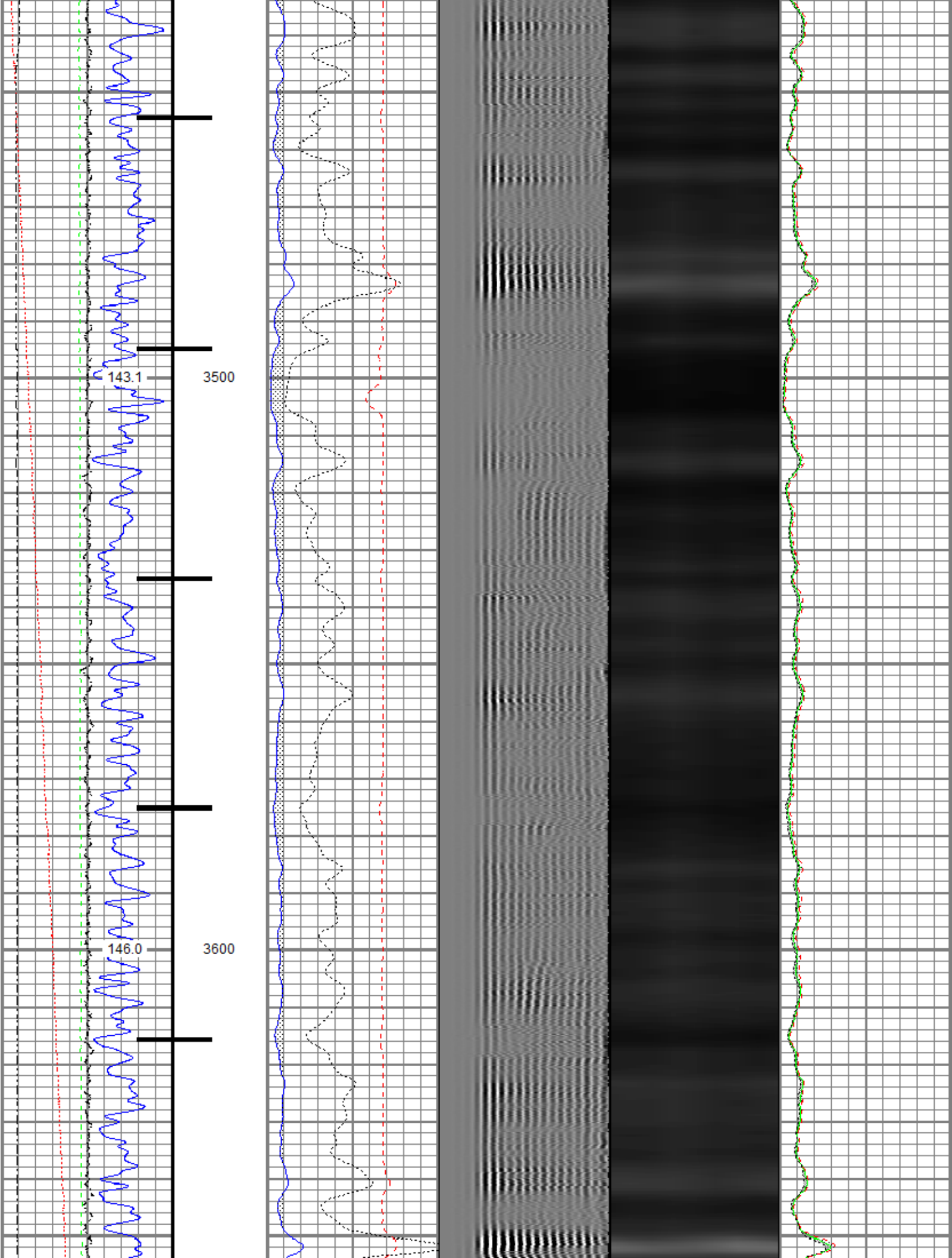


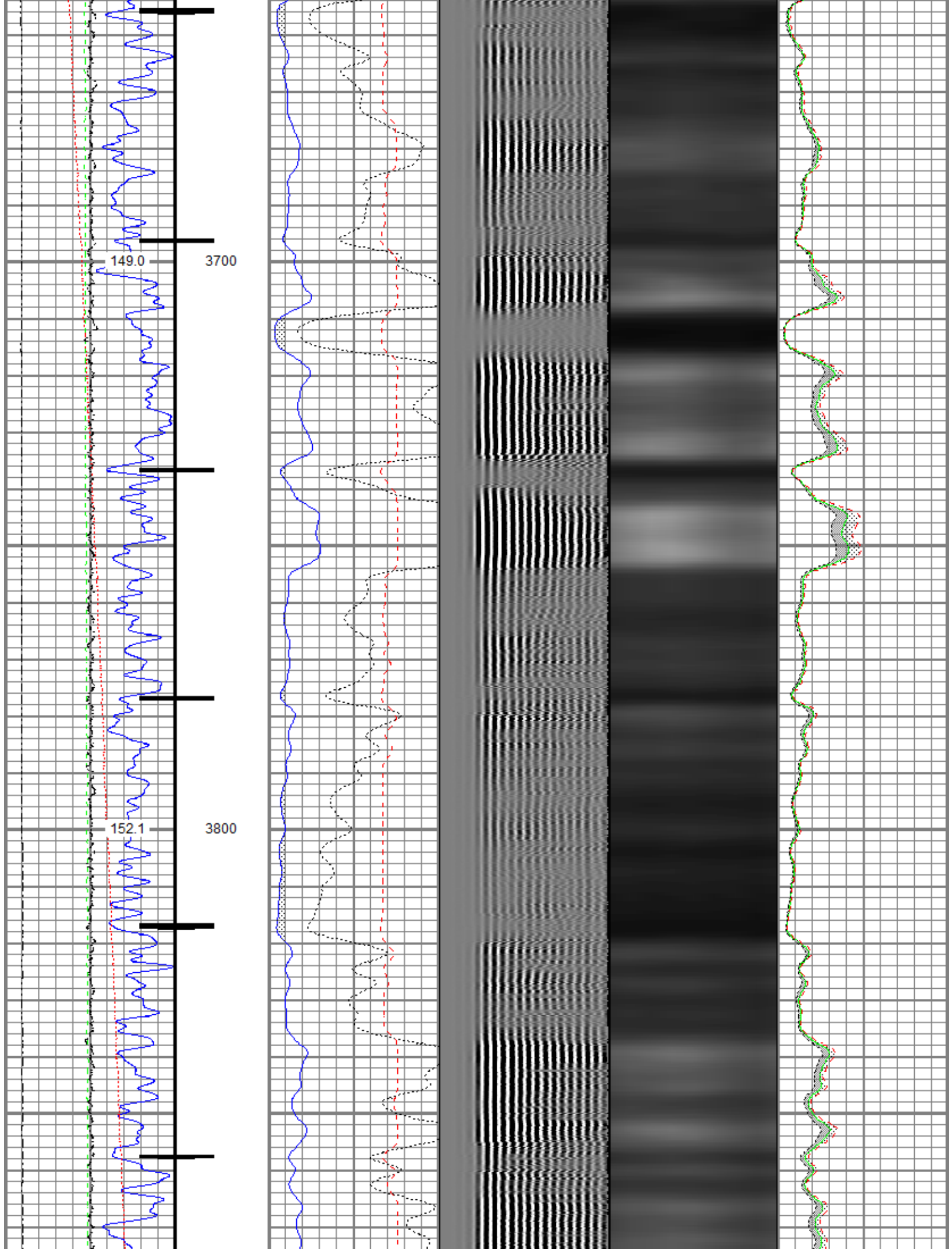


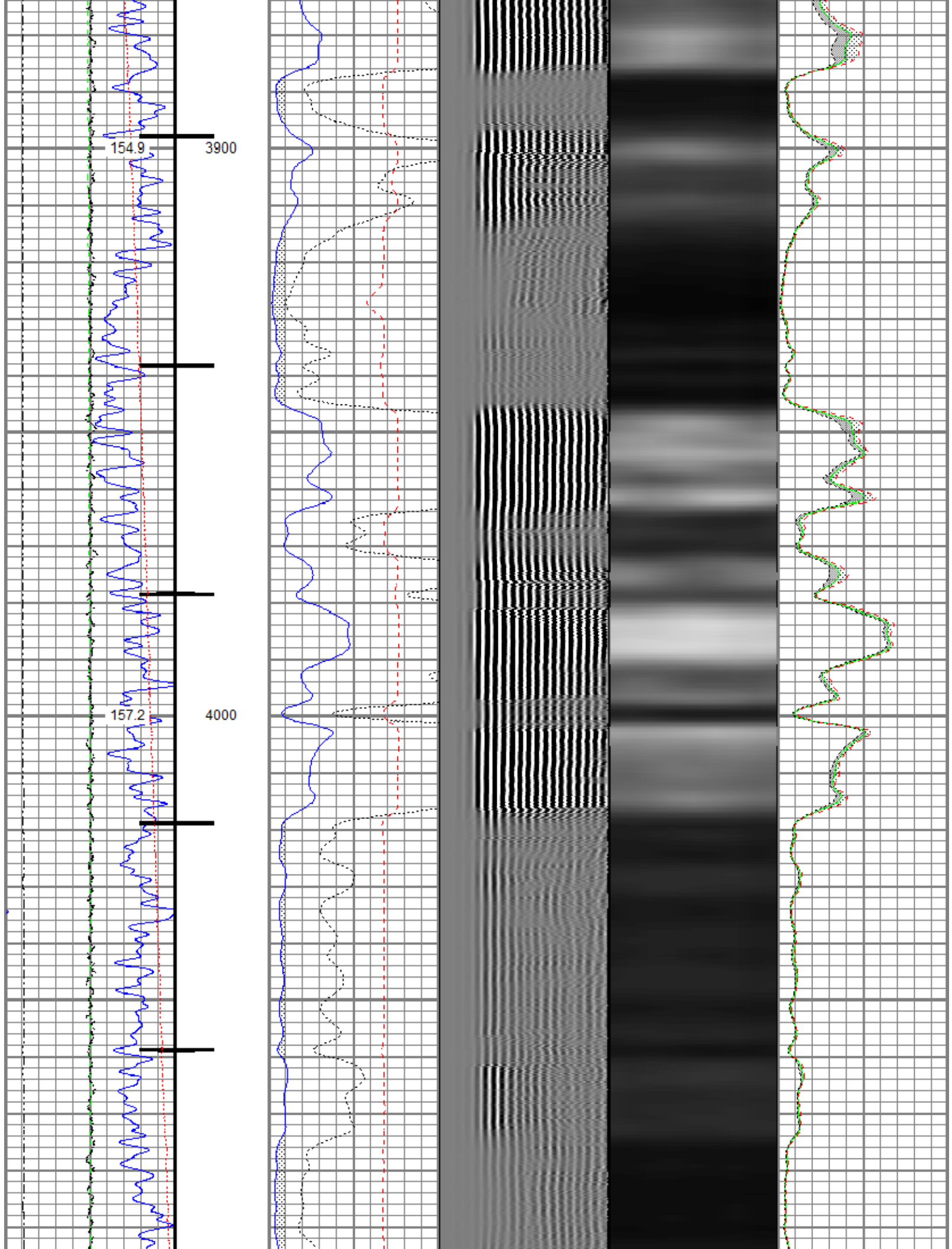




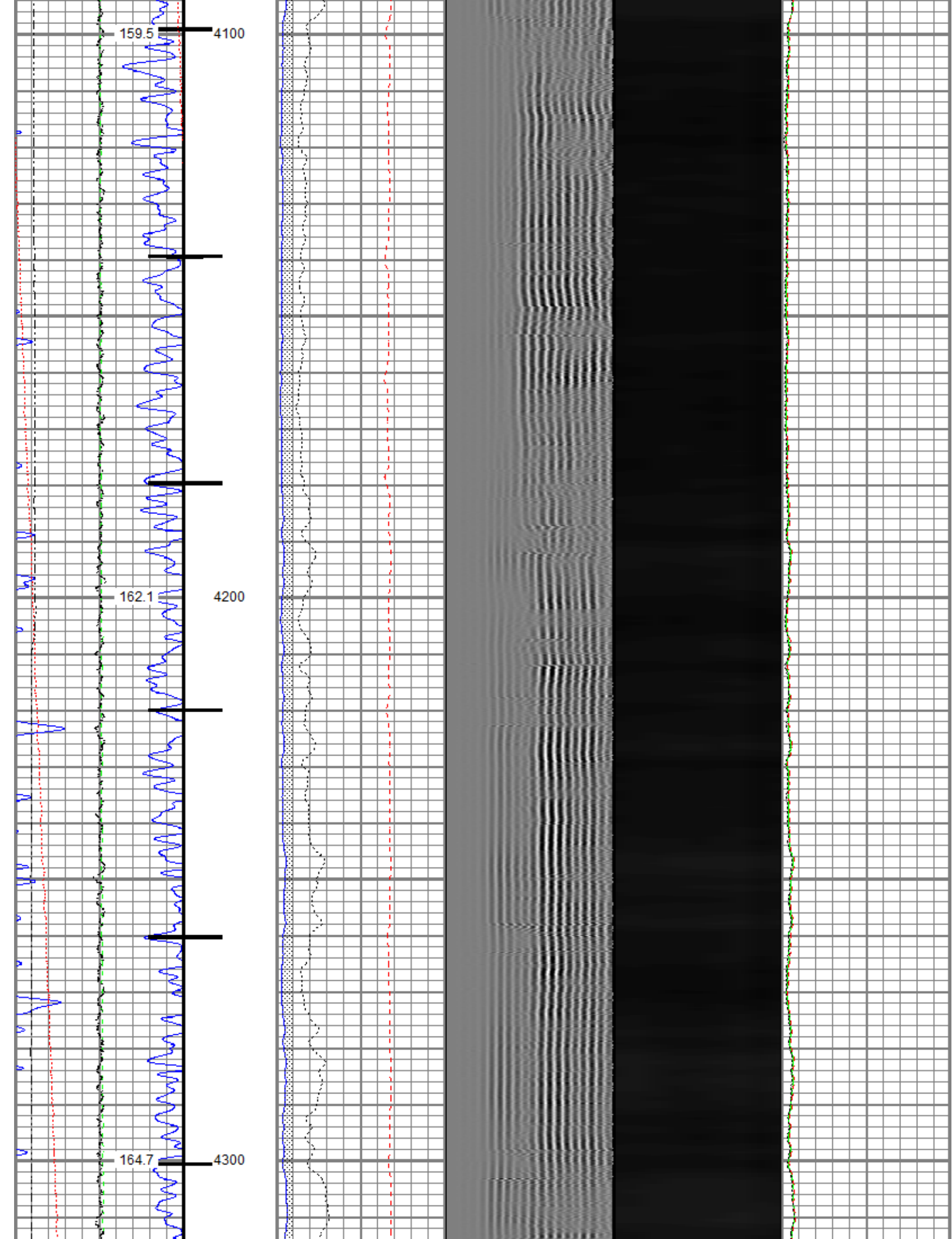


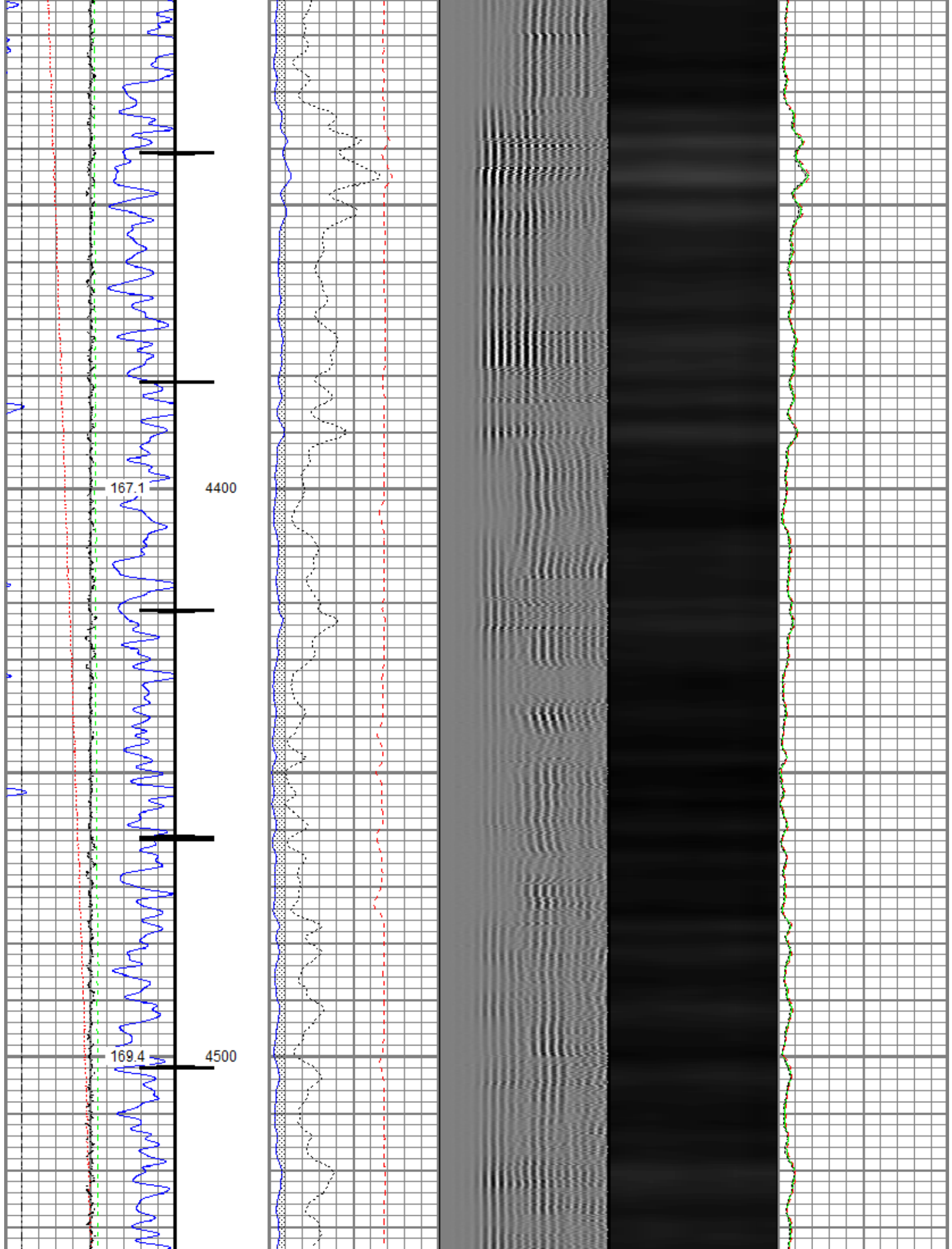


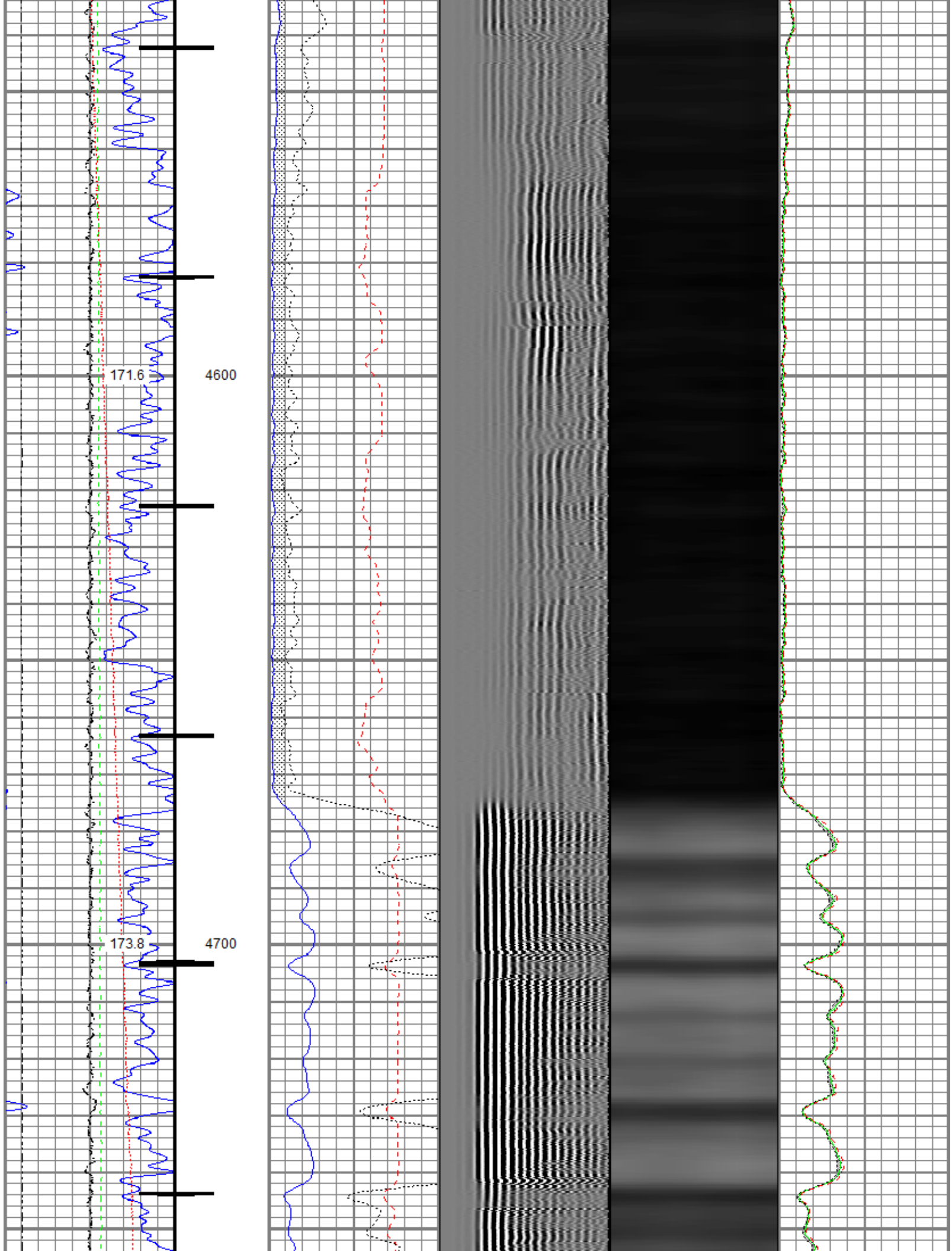




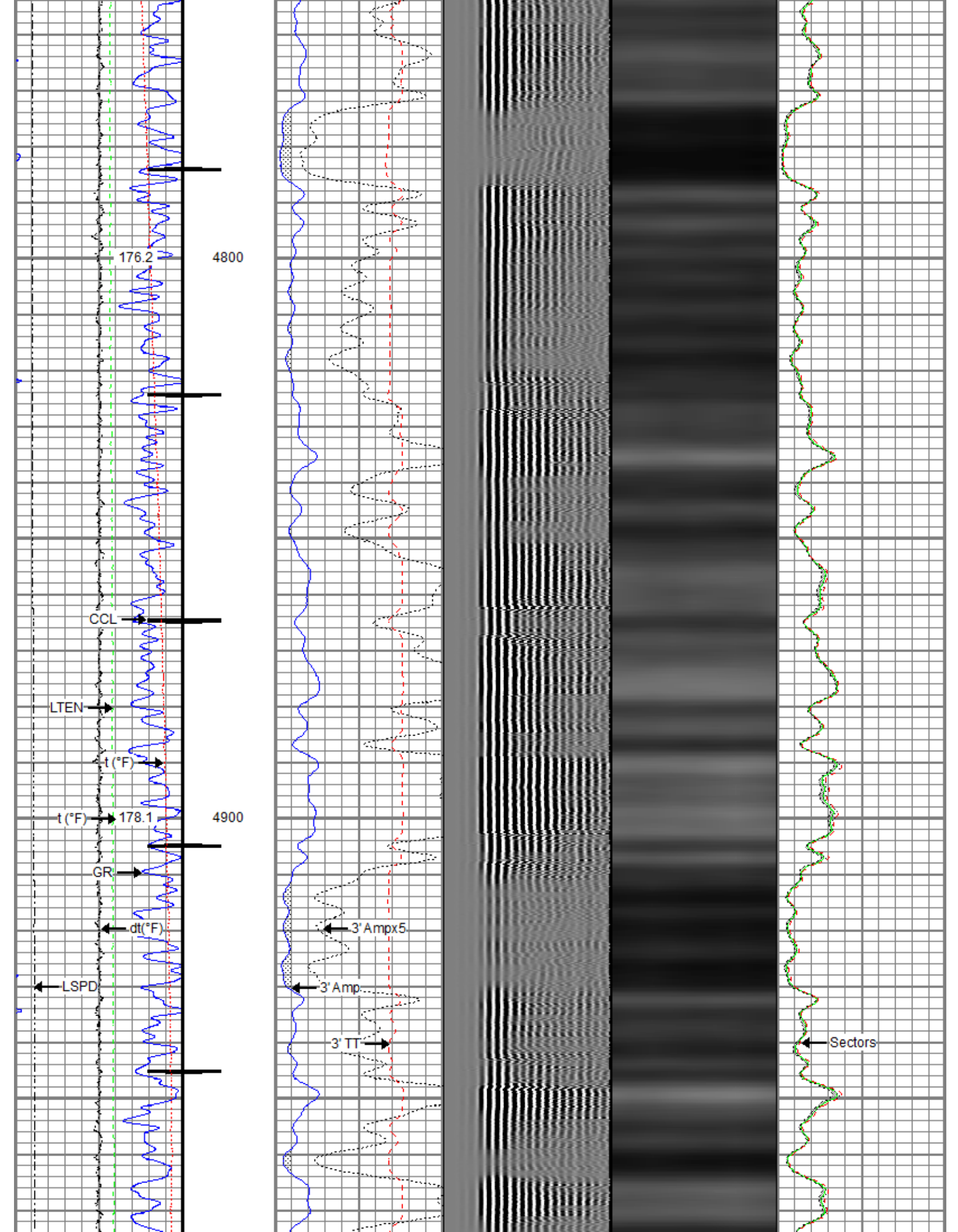


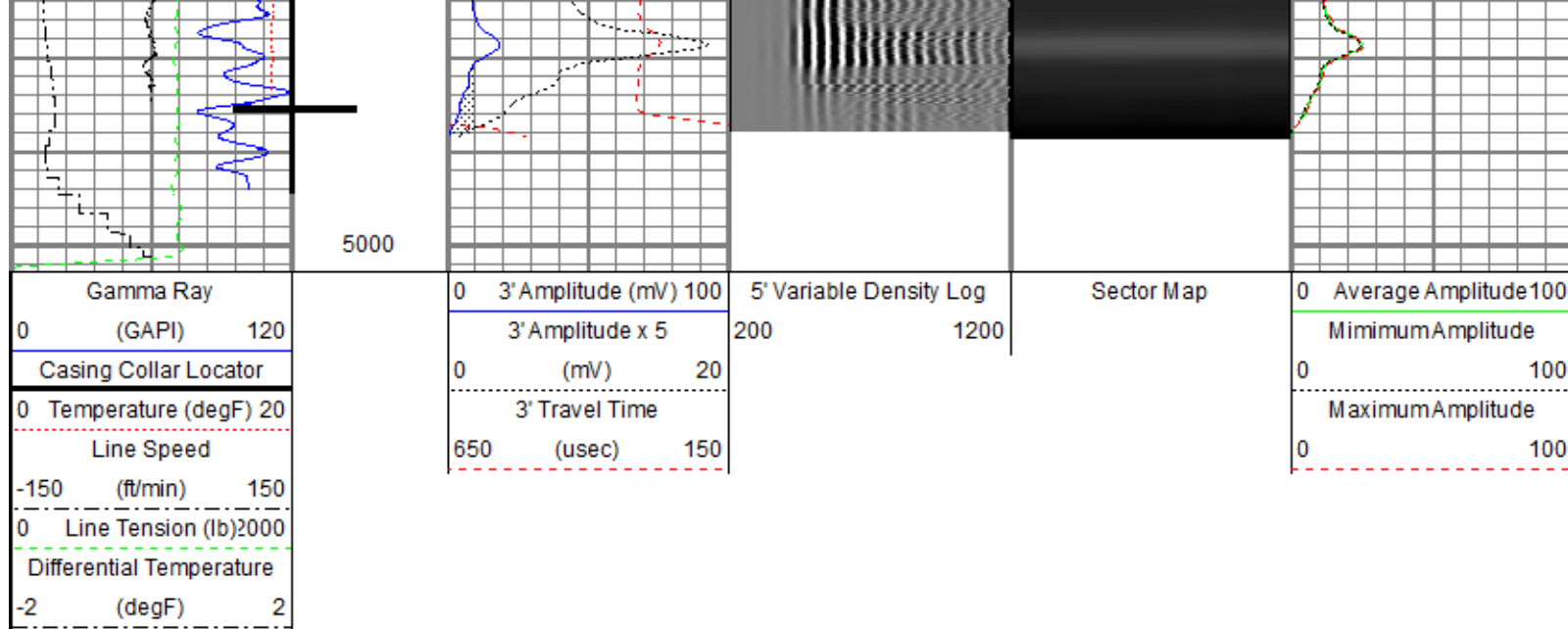








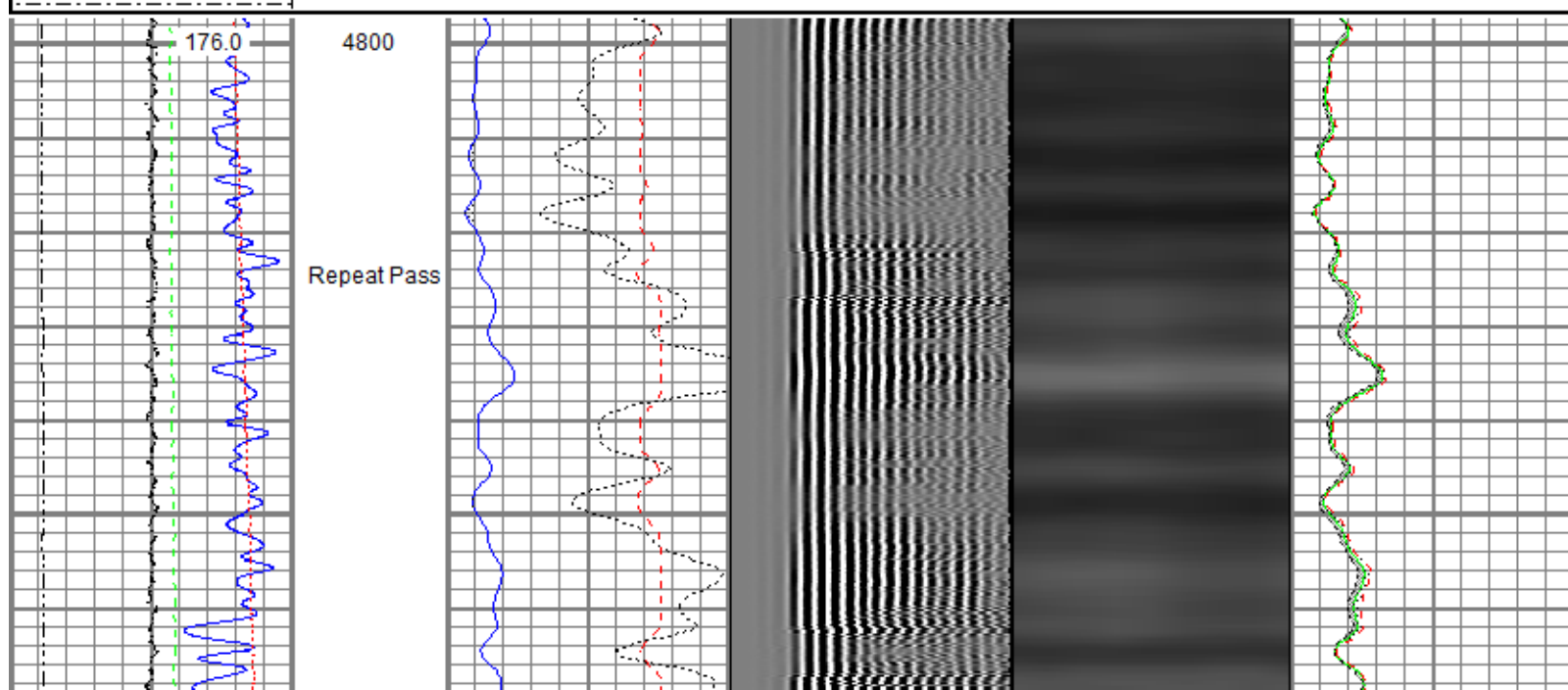
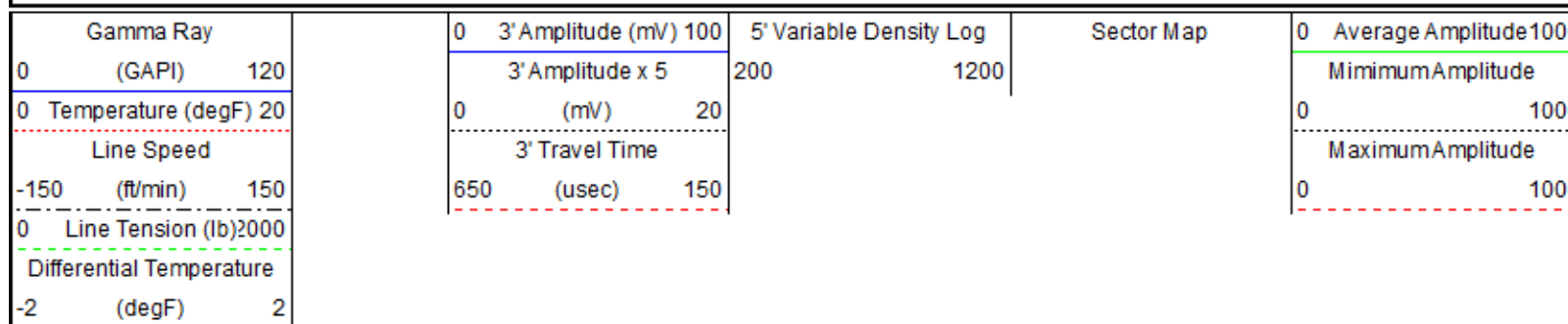


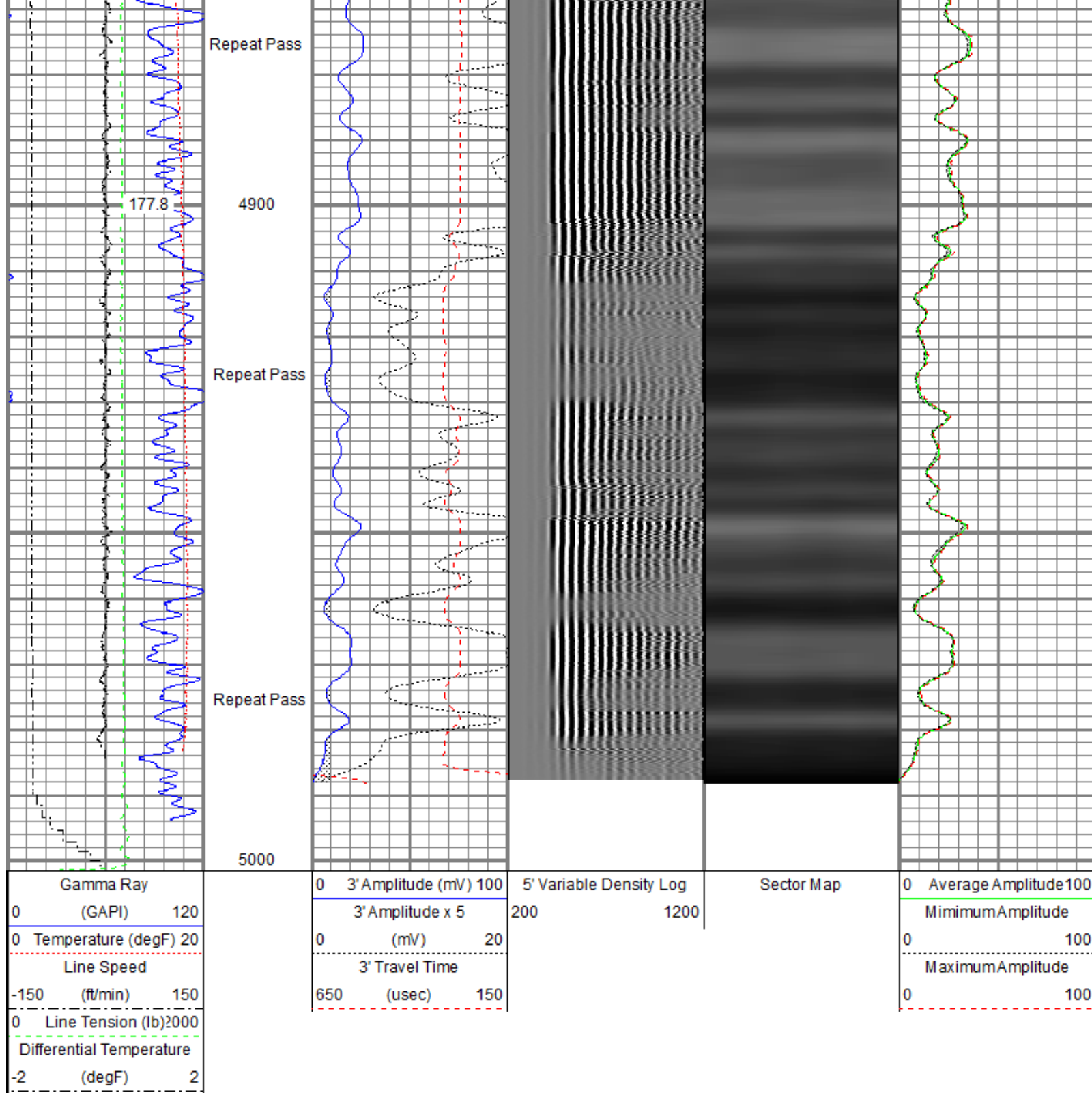


## Repeat Pass

Recorded With 0 PSI Surface Induced Pressure

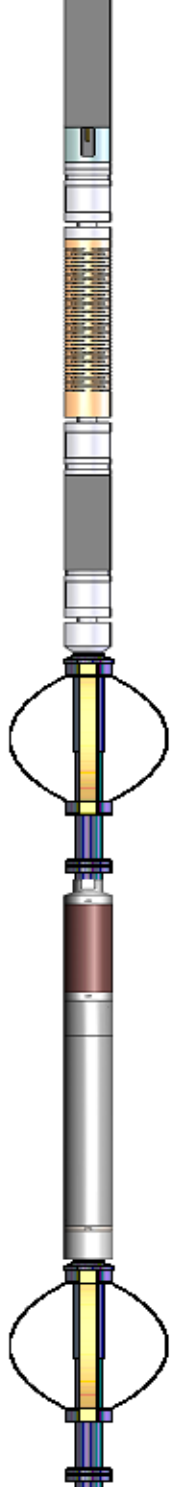
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 Dataset Pathname repeat.2  
 Presentation Format ros\_radrii  
 Dataset Creation Tue Sep 25 11:02:38 2018  
 Charted by Depth in Feet scaled 1:240





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



TEMP	17.04					
WVFS8	14.81		Probe Radii-2750 RBT (FW1302-001) 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					
HEADVOLT	10.56		Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
CCL\$2	6.80					
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: PROCESSED_0512311055_Anadarko_UPRR 38 PAN AM O True 2_RBL_09-24-18_0 PSI.db: field/well/run1/main						
Total length: 23.86 ft						
Total weight: 223.60 lb						
O.D.: 2.75 in						

Calibration Report			
Database File	c:\programdata\warrior\data\0512311055_anadarko_uprr 38 pan am o true 2_rbl_09-24-18\processed_0512311055_anadarko_u		
Dataset Pathname	main.1		
Dataset Creation	Tue Sep 25 10:42:49 2018		
Gamma Ray Calibration Report			
Serial Number:	101001		
Tool Model:	2750 6PB		
Performed:	Mon Jun 18 10:09:36 2018		
Calibrator Value:	637.0	GAPI	
Depth (m)	100.0		

Background Reading:	100.6	cps
Calibrator Reading:	981.1	cps
Sensitivity:	0.7235	GAPI/cps

### Segmented Cement Bond Log Calibration Report

Serial Number:	FW1302-001
Tool Model:	2750 RBT
Calibration Casing Diameter:	5.500 in
Calibration Depth:	-4.479 ft

#### Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.752	0.800	71.921	94.679	0.722
CAL	0.726	0.717				
5'	0.000	0.741	0.800	71.921	96.016	0.759
SUM						
S1	0.001	0.768	0.000	100.000	130.301	-0.117
S2	0.001	0.775	0.000	100.000	129.141	-0.122
S3	0.001	0.781	0.000	100.000	128.204	-0.125
S4	0.001	0.765	0.000	100.000	130.849	-0.114
S5	0.001	0.782	0.000	100.000	127.931	-0.102
S6	0.001	0.818	0.000	100.000	122.433	-0.113
S7	0.001	0.818	0.000	100.000	122.425	-0.122
S8	0.001	0.794	0.000	100.000	126.145	-0.116

#### Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.726	0.717	1.000	0.000

#### Air Zero Calibration, performed Mon Sep 24 08:17:07 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:	FW1302-001
Tool Model:	2750 RBT
Performed:	Sun Nov 12 13:24:58 2017

	Reference	Reading
Low Reference:	100.00 degF	107.47 degF
High Reference:	350.00 degF	404.08 degF

Gain:	0.84
Offset:	0.40

Offset	9.42
Delta Spacing	1



<b>Company</b>	Kerr-McGee Oil & Gas Onshore, L.P.
<b>Well</b>	UPRR 38 PAN AM O True 2
<b>Field</b>	Wattenberg
<b>County</b>	Weld
<b>State</b>	Colorado