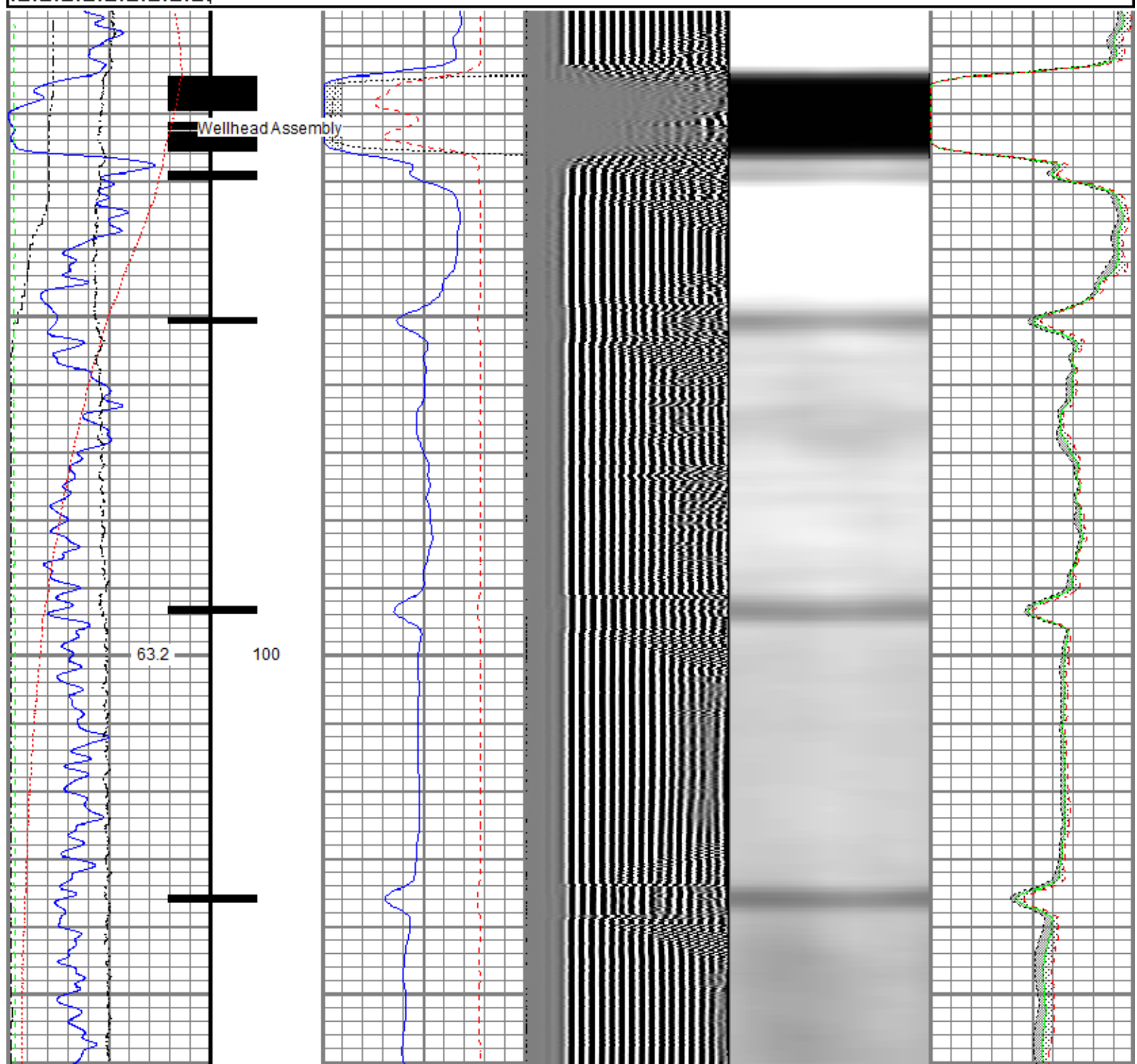


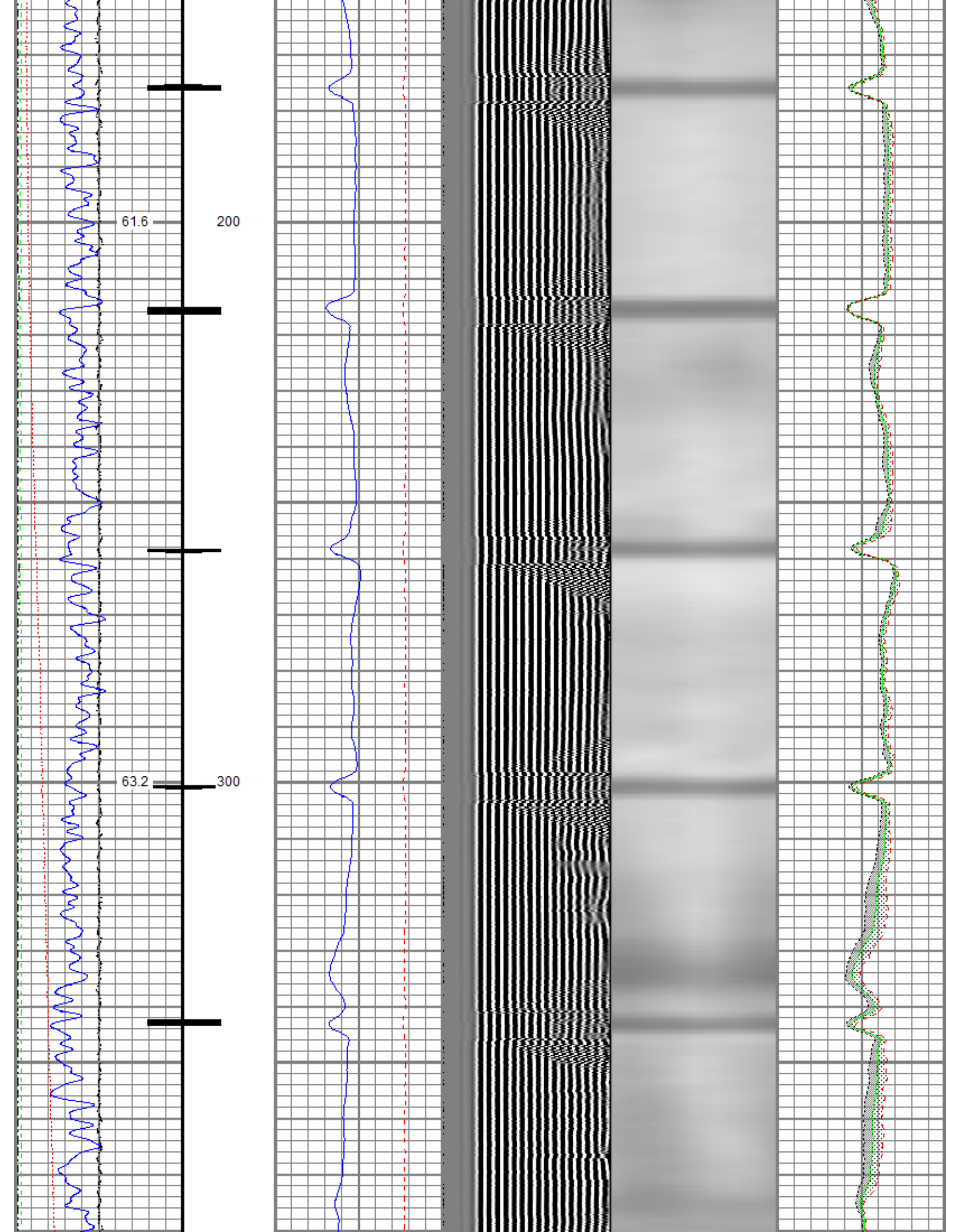


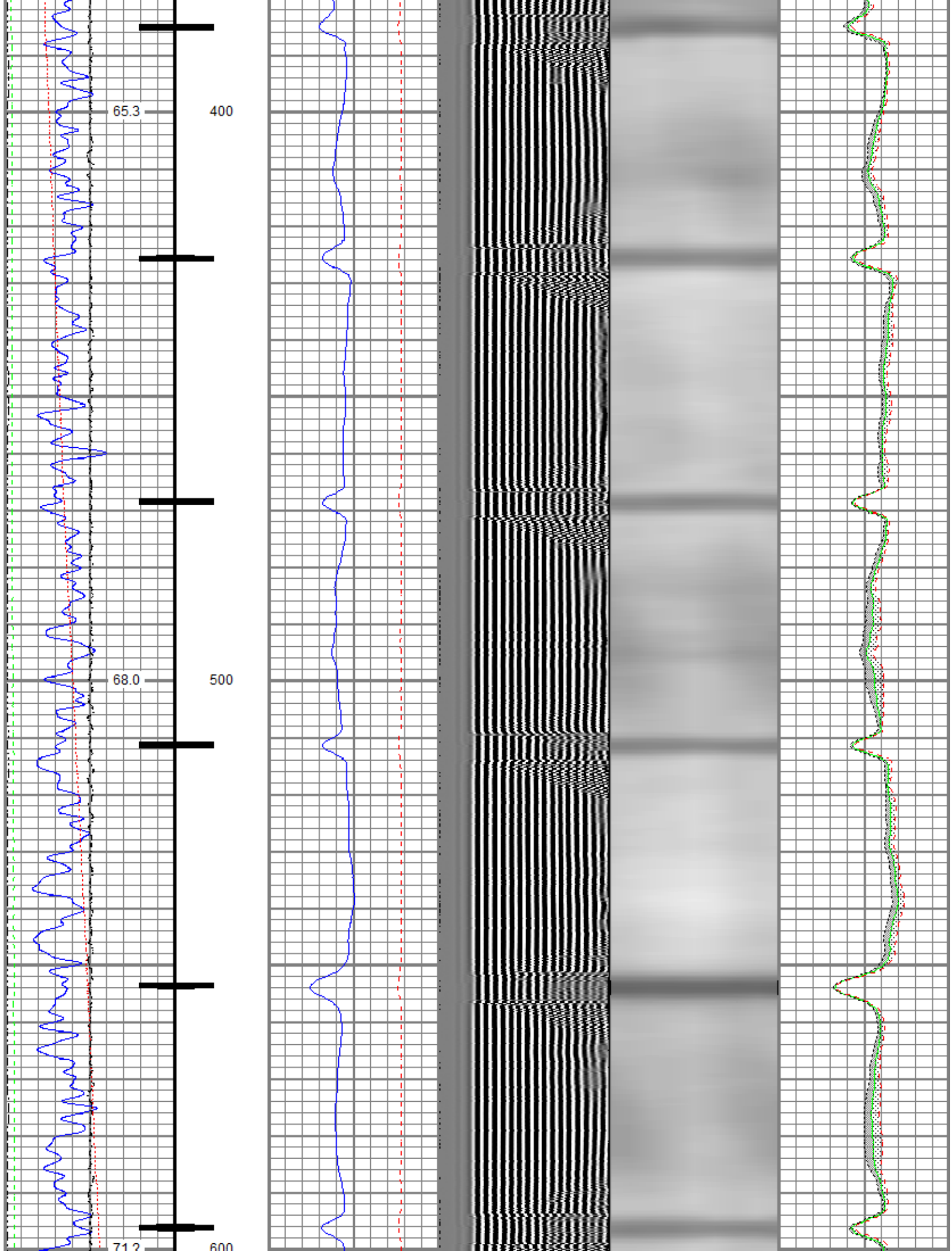
<<< Fold Here >>>
<p>All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 Casing Tally reported Marker Joint at 6509 FT Adjusted log -4 FT to correlate with Marker Joint Gauge Ring/Junk Basket ran to 7644 FT with no debris Log ran from 6557 FT to surface Log ran with 2800 PSI Surface Induced Pressure Logging tools were clean and free of debris upon completion of operations</p> <p>Thank you for choosing Reliance Oilfield Services, LLC!!</p>

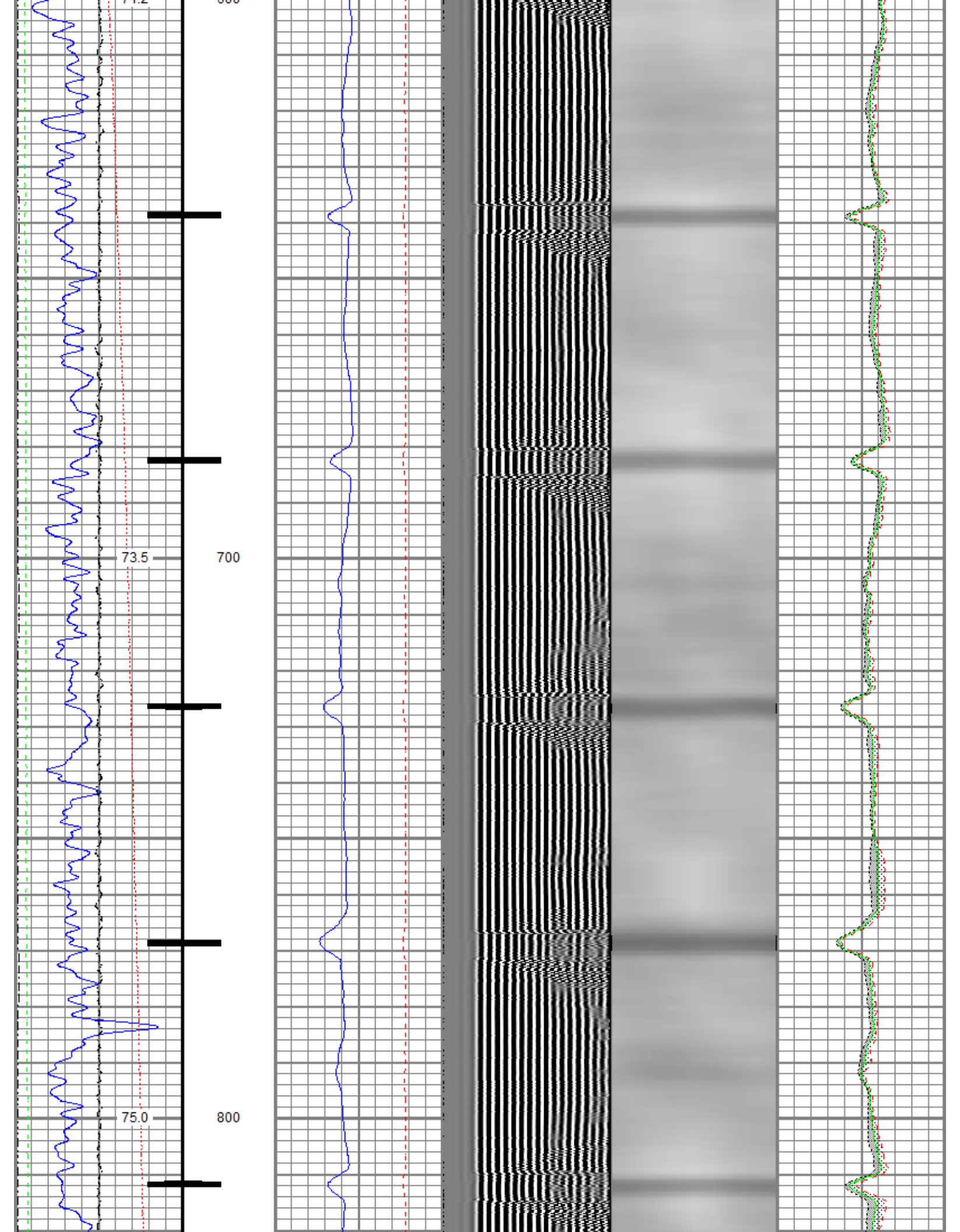
Database File	0512346262_anadarko_quarter circle 24-9hz-rbl-07-15-18\processed_0512346262_anadarko_quarter circle 24-9hz-rbl-07-15-
Dataset Pathname	pass4
Presentation Format	ros_radri
Dataset Creation	Sun Jul 15 08:47:39 2018
Charted by	Depth in Feet scaled 1:240

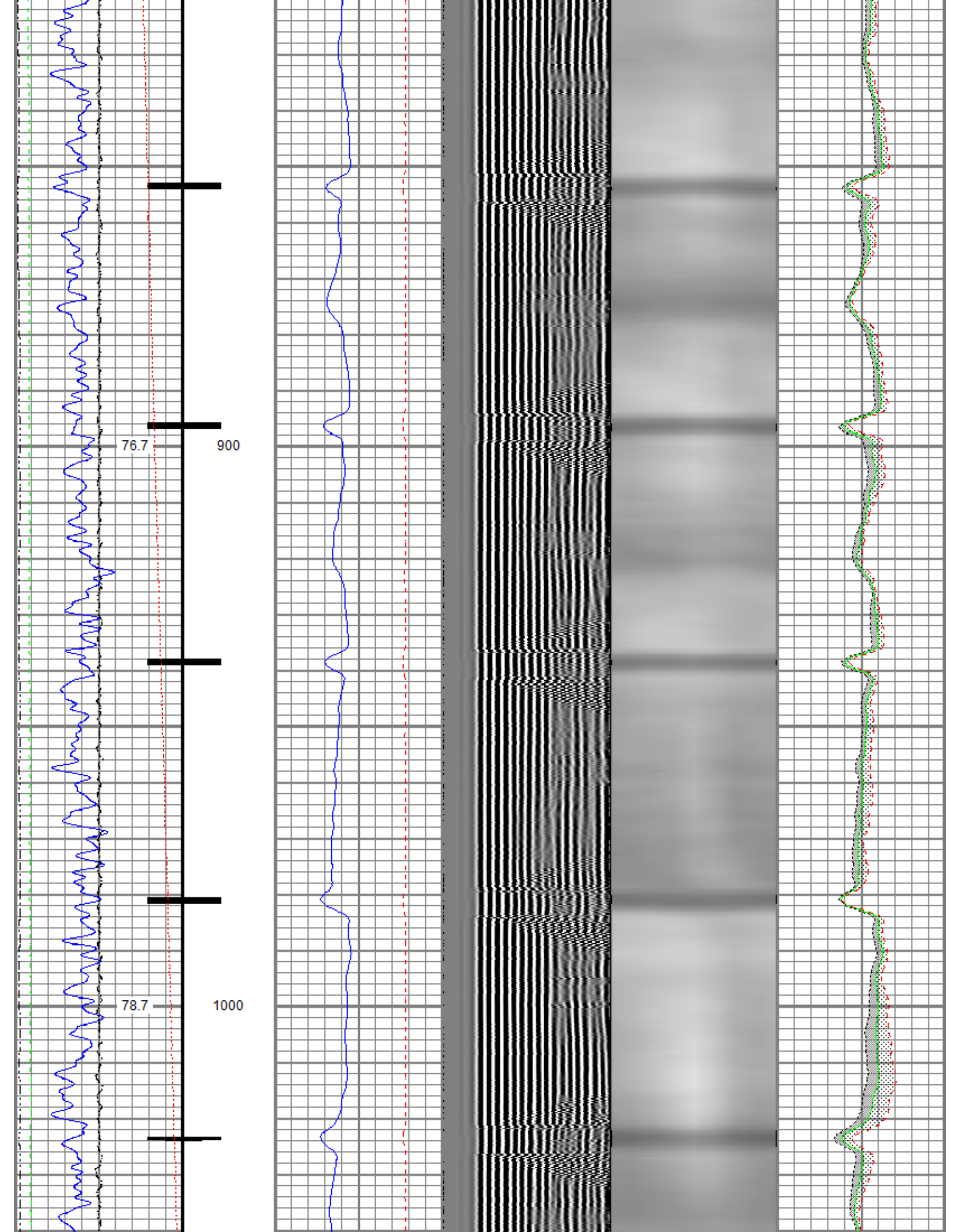
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200	1200		Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min) 150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

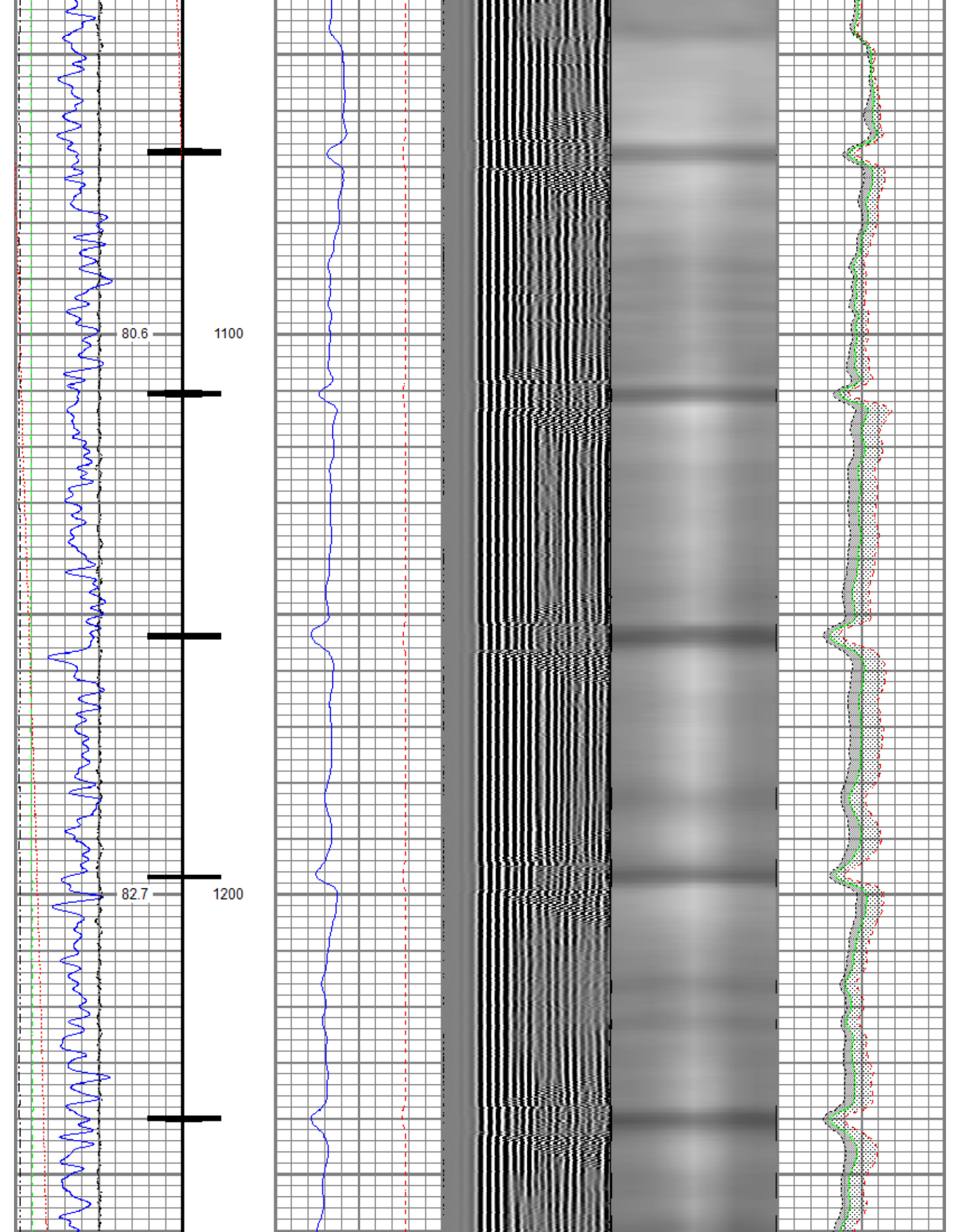


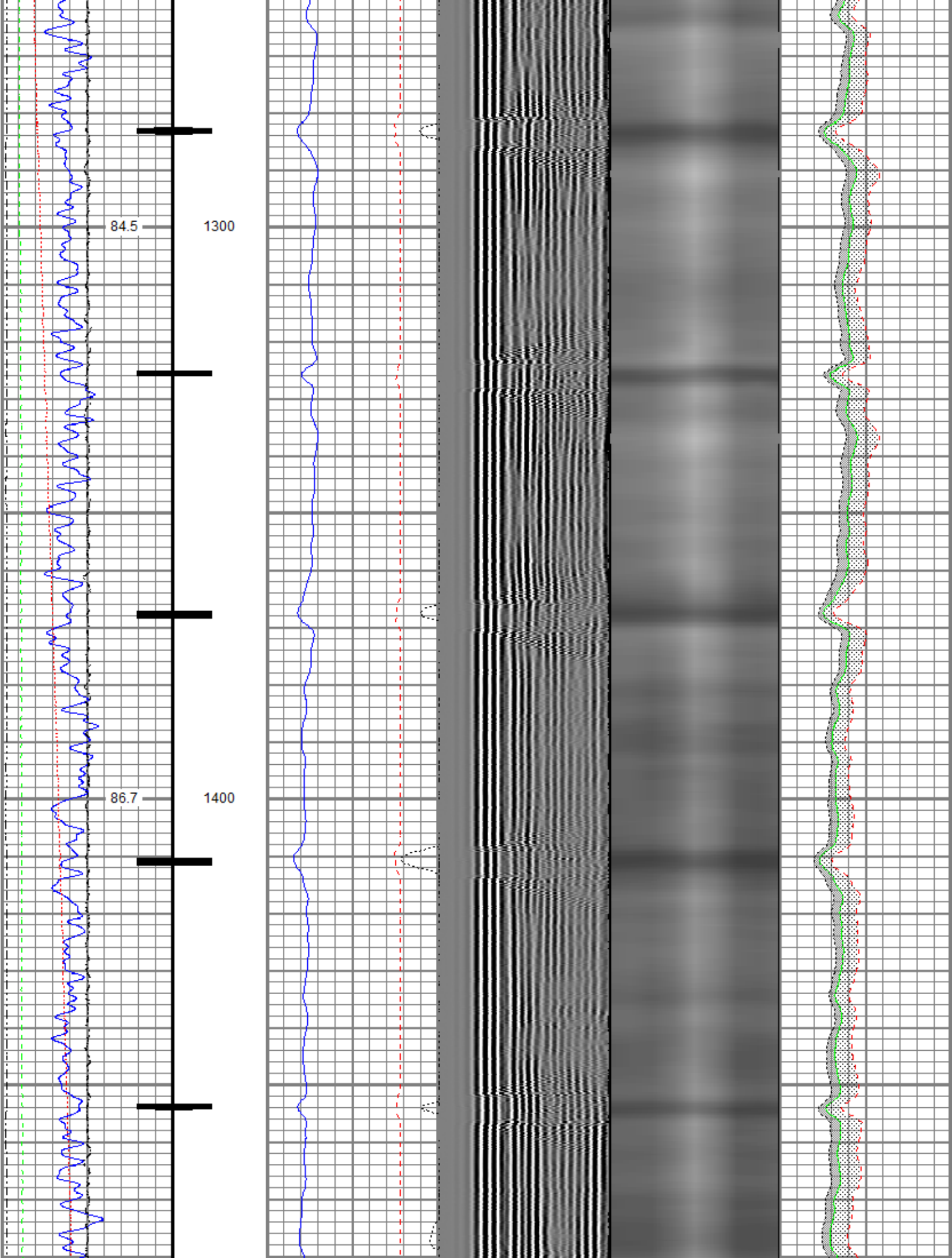


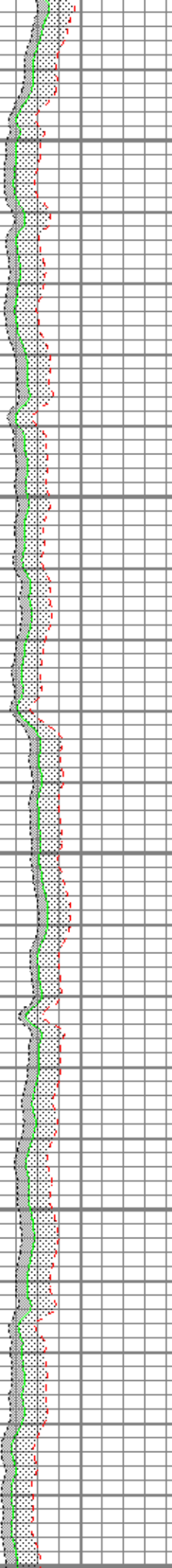
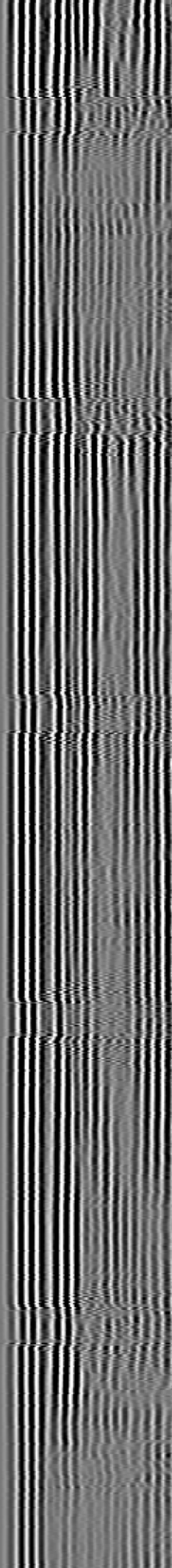
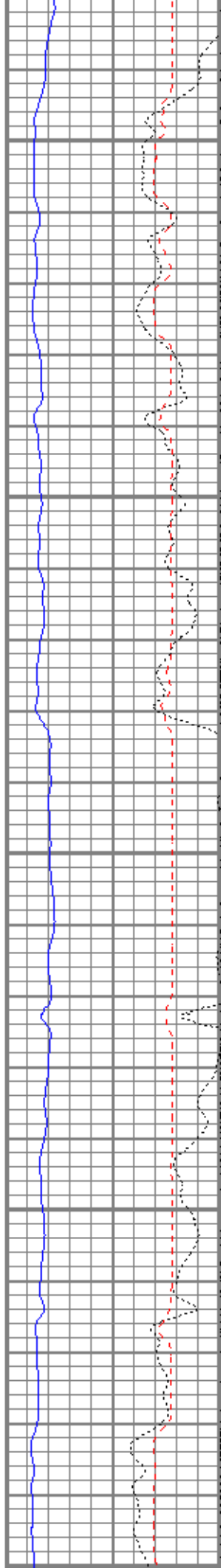
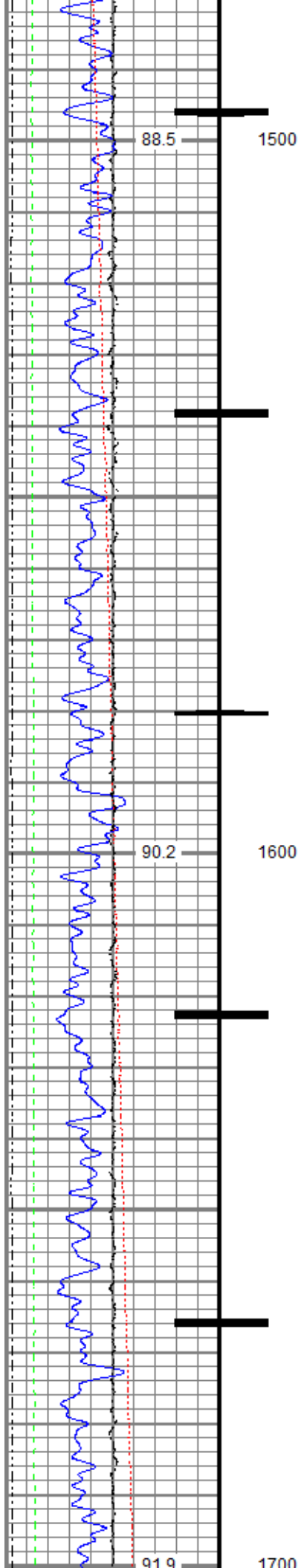


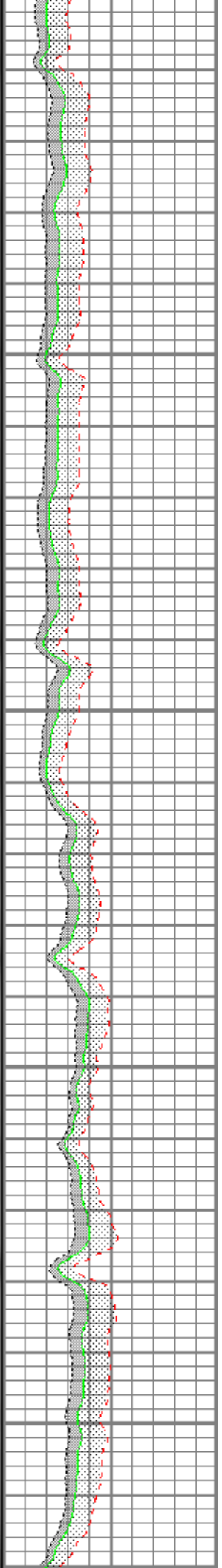
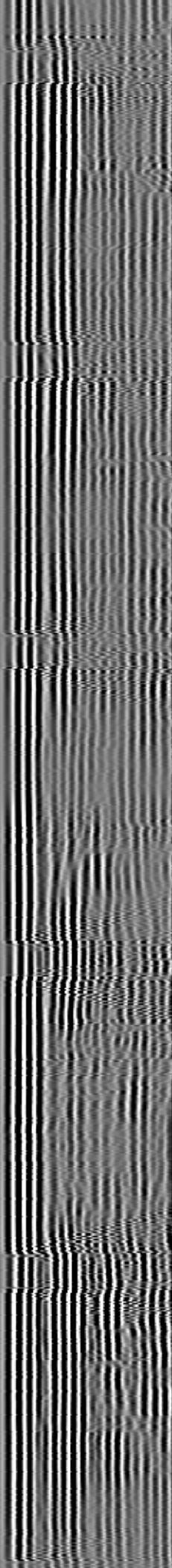
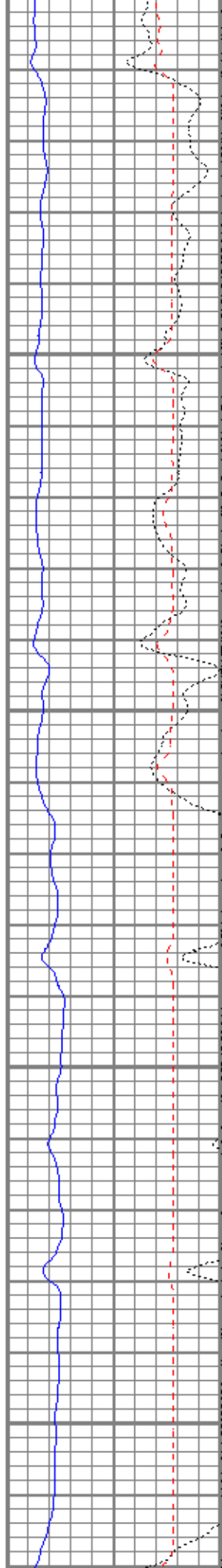
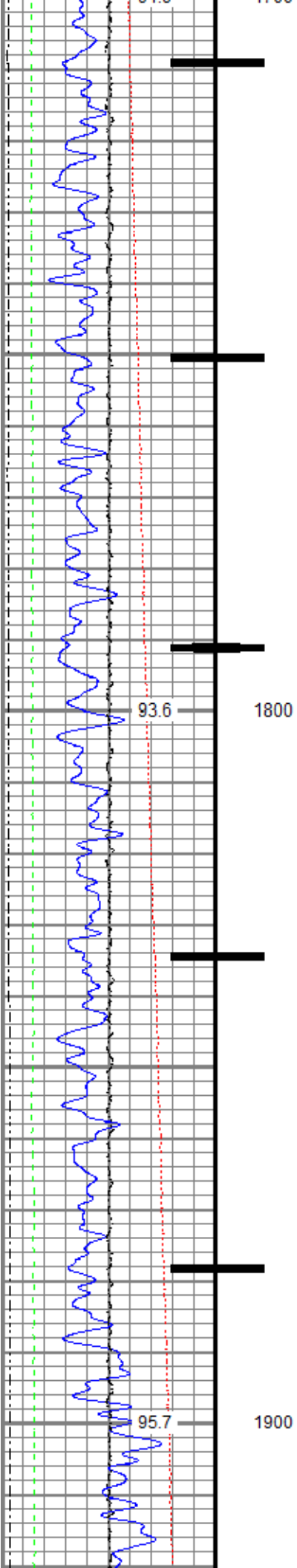


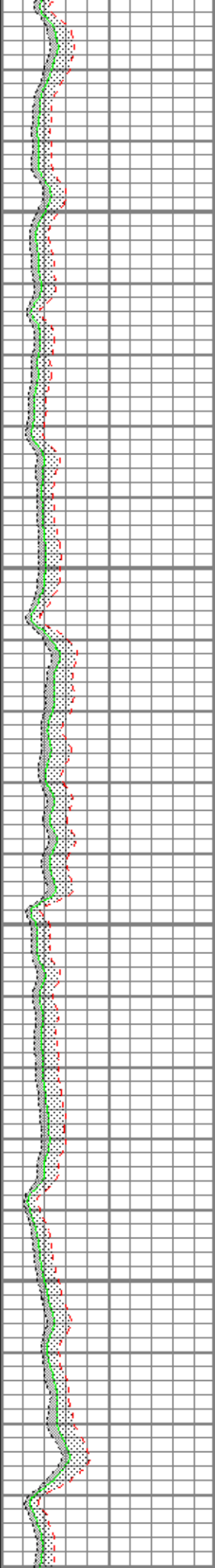
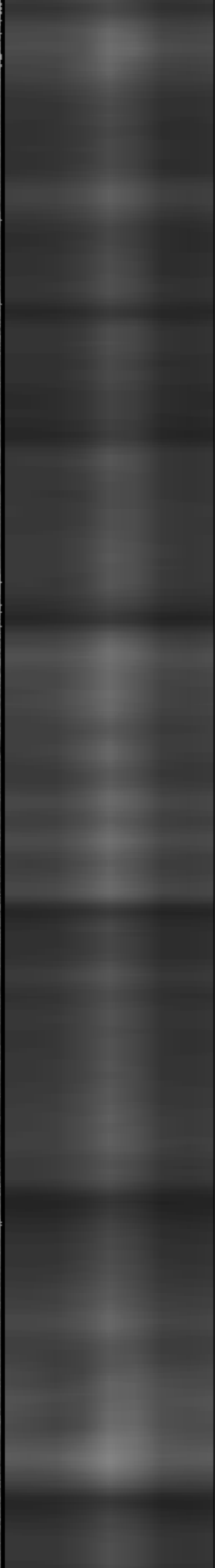
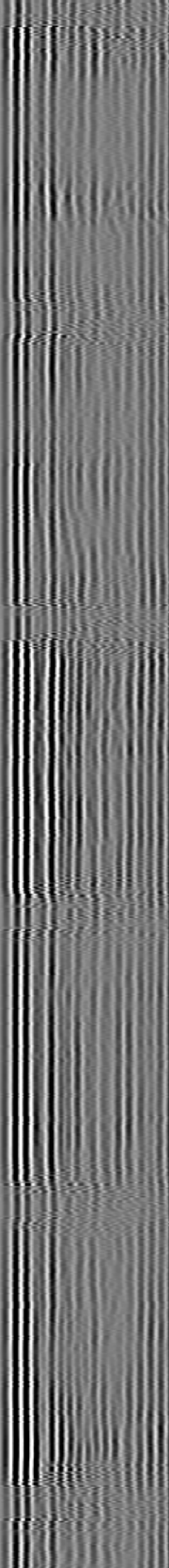
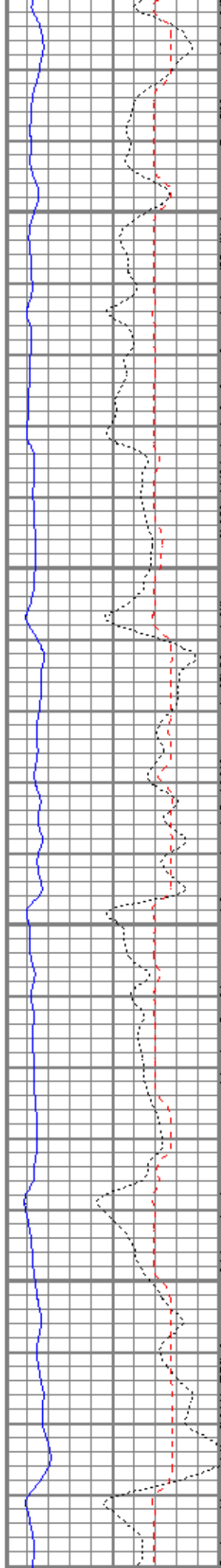
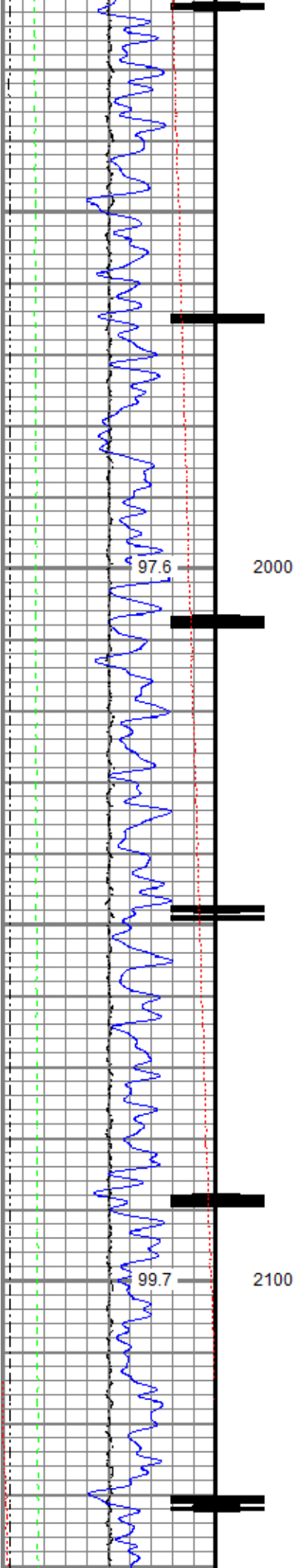


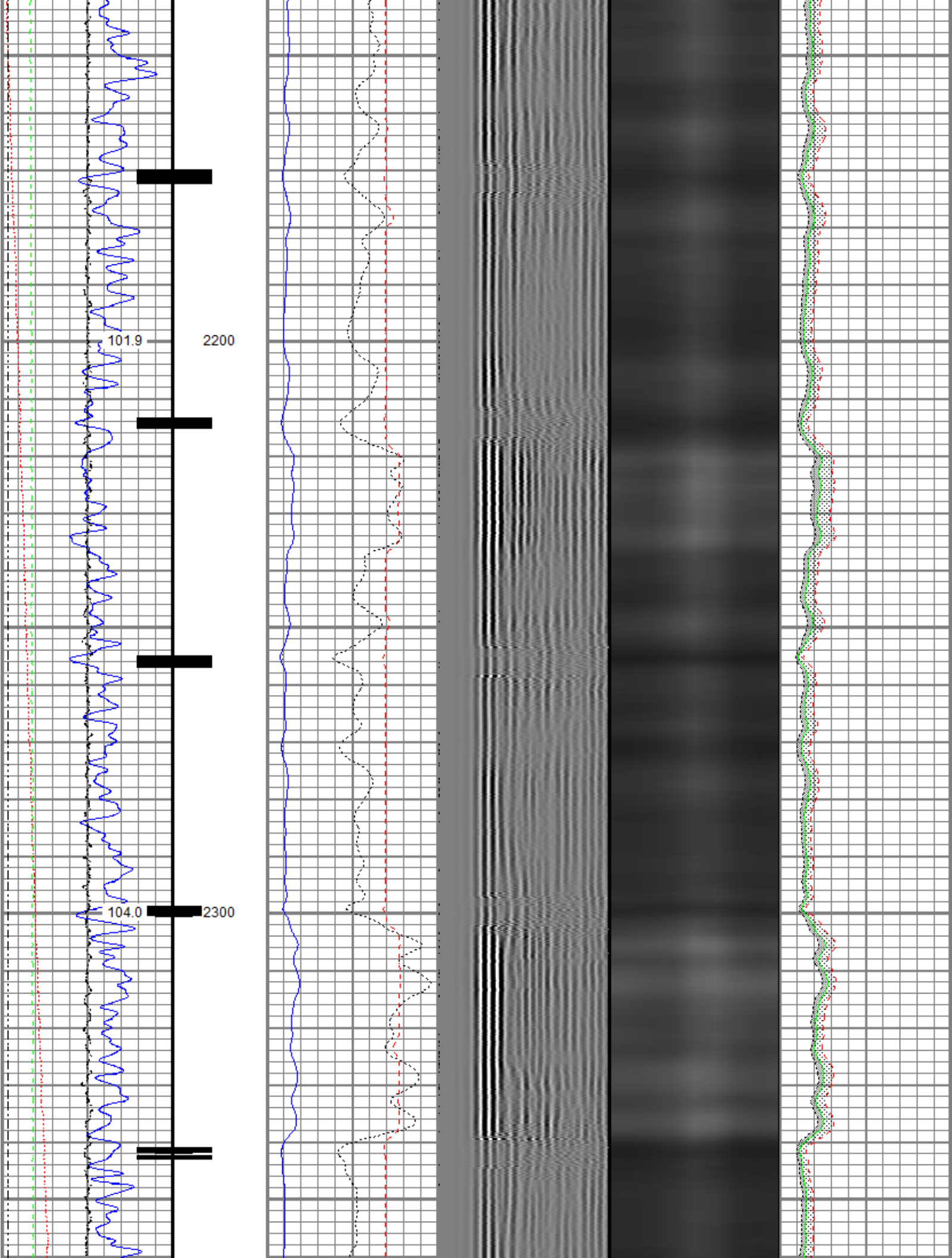


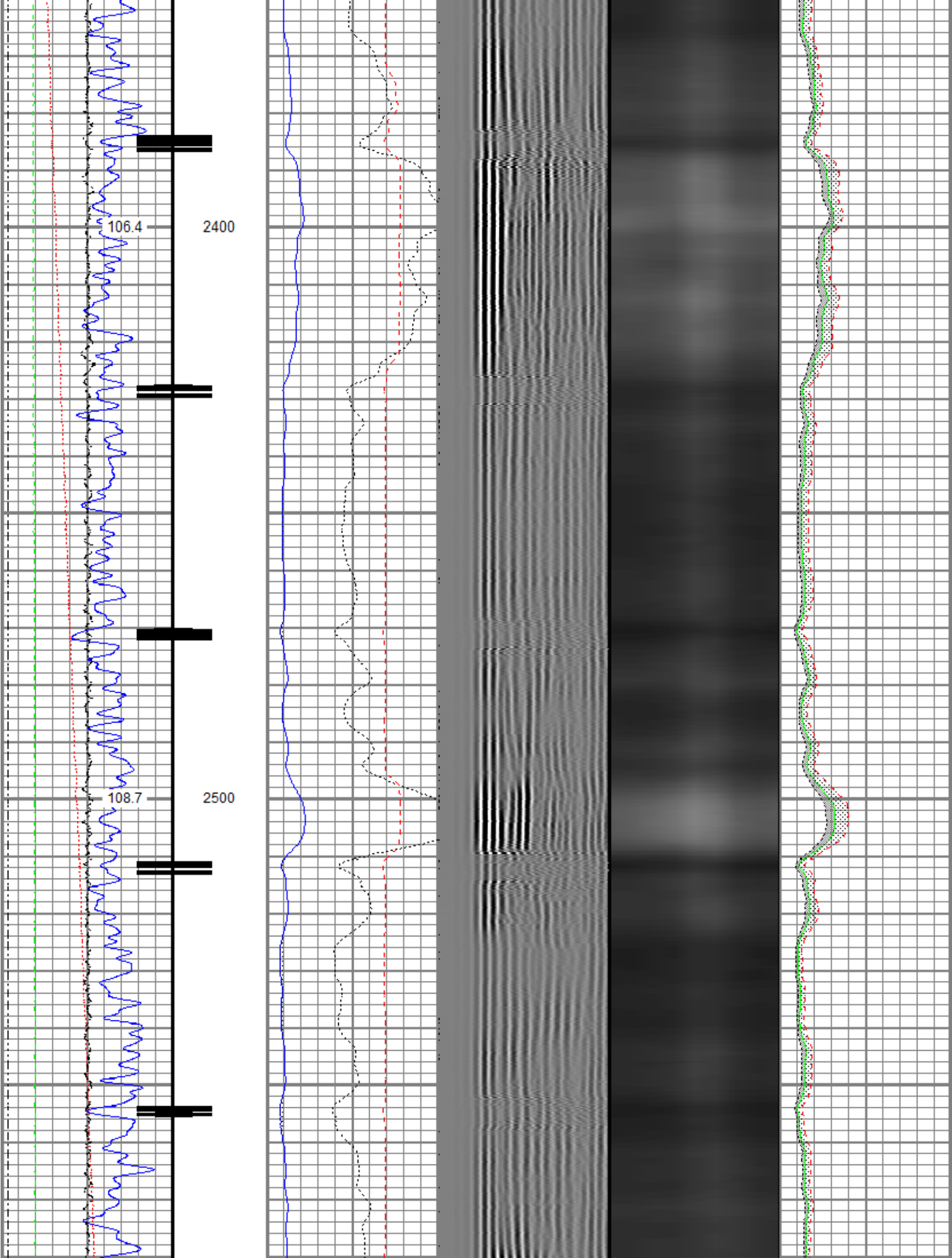


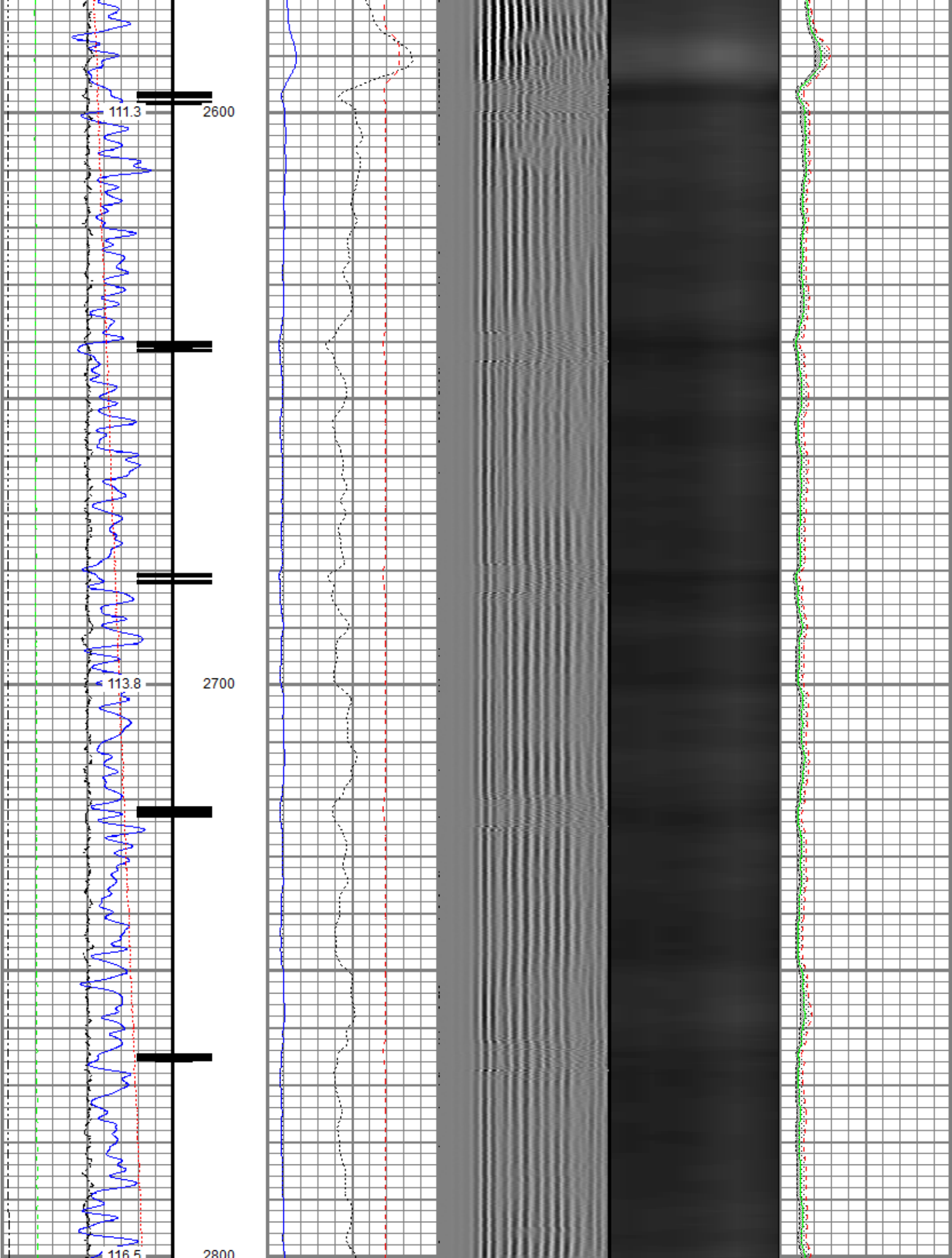


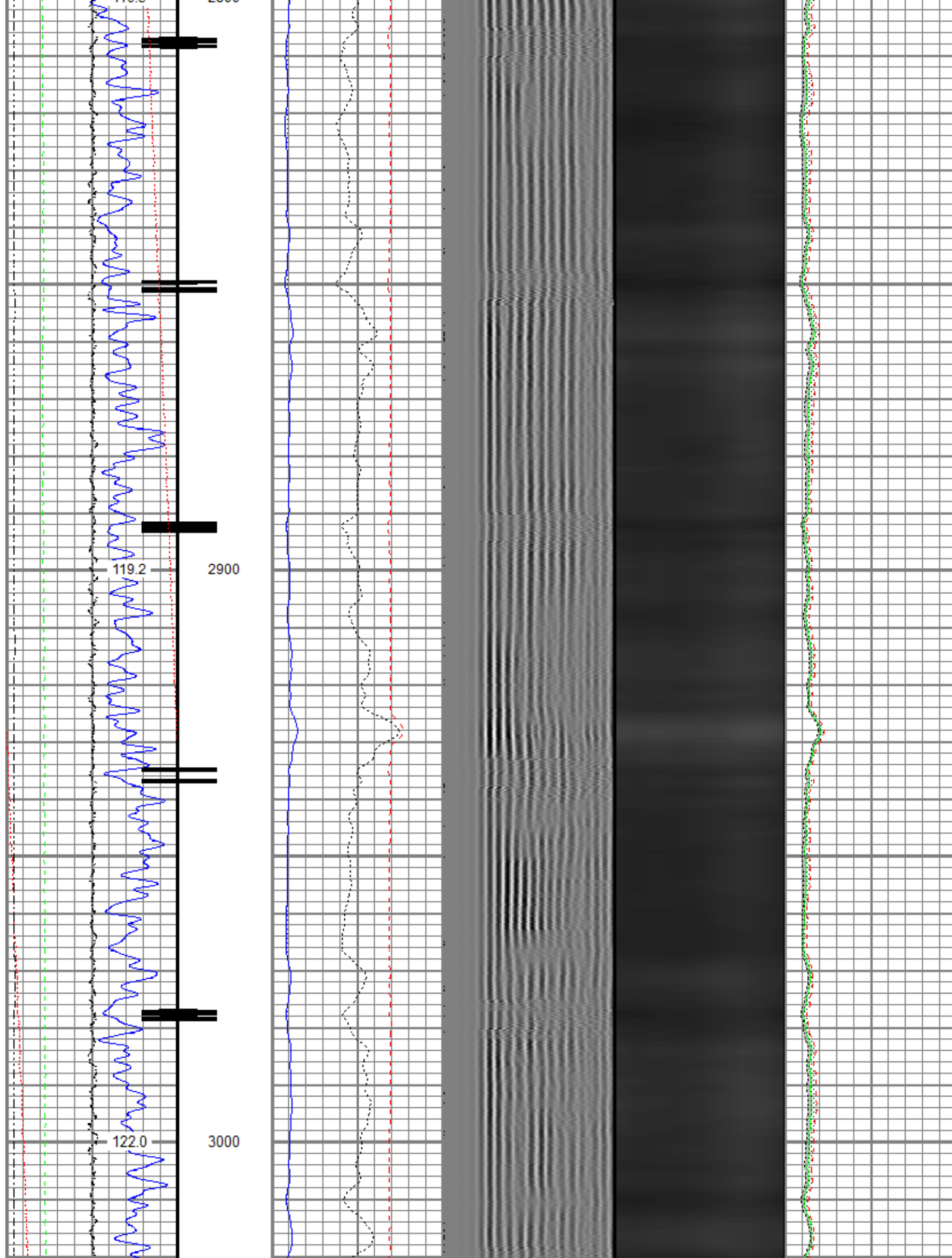


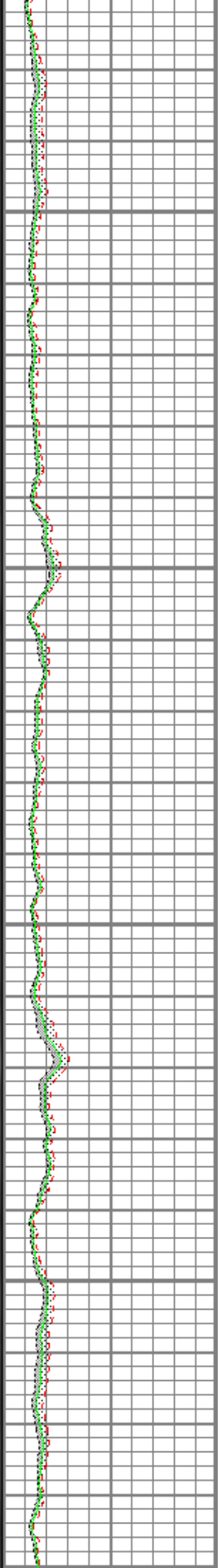
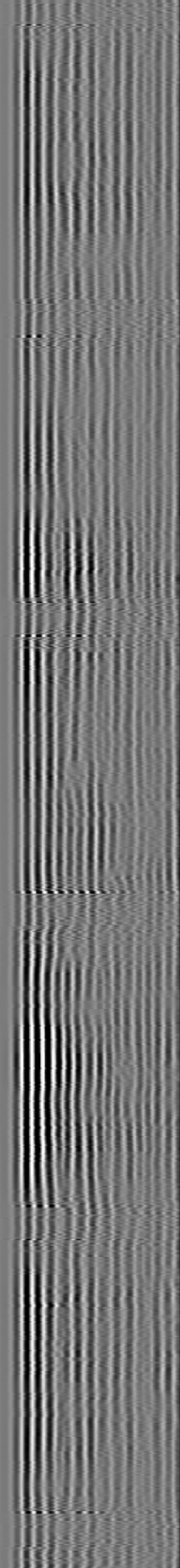
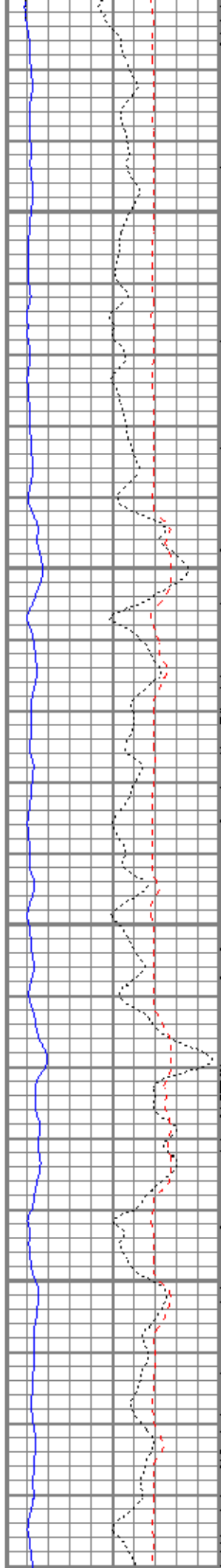
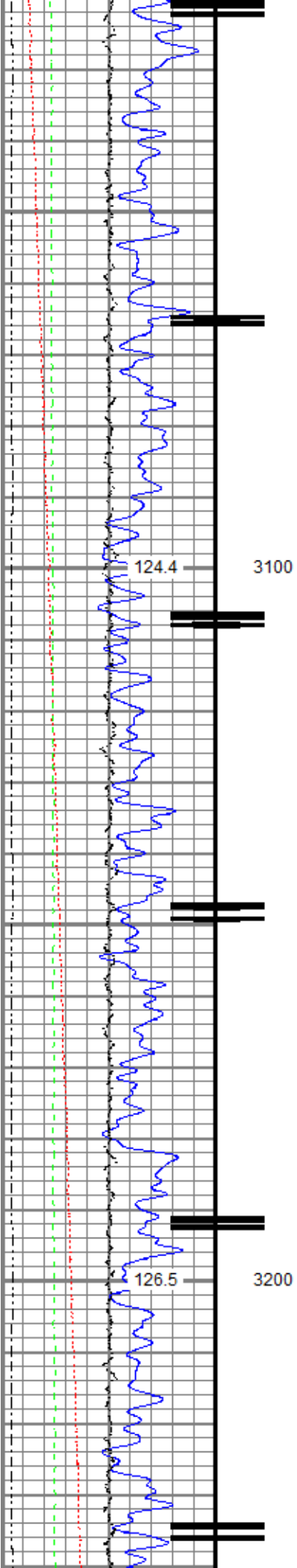


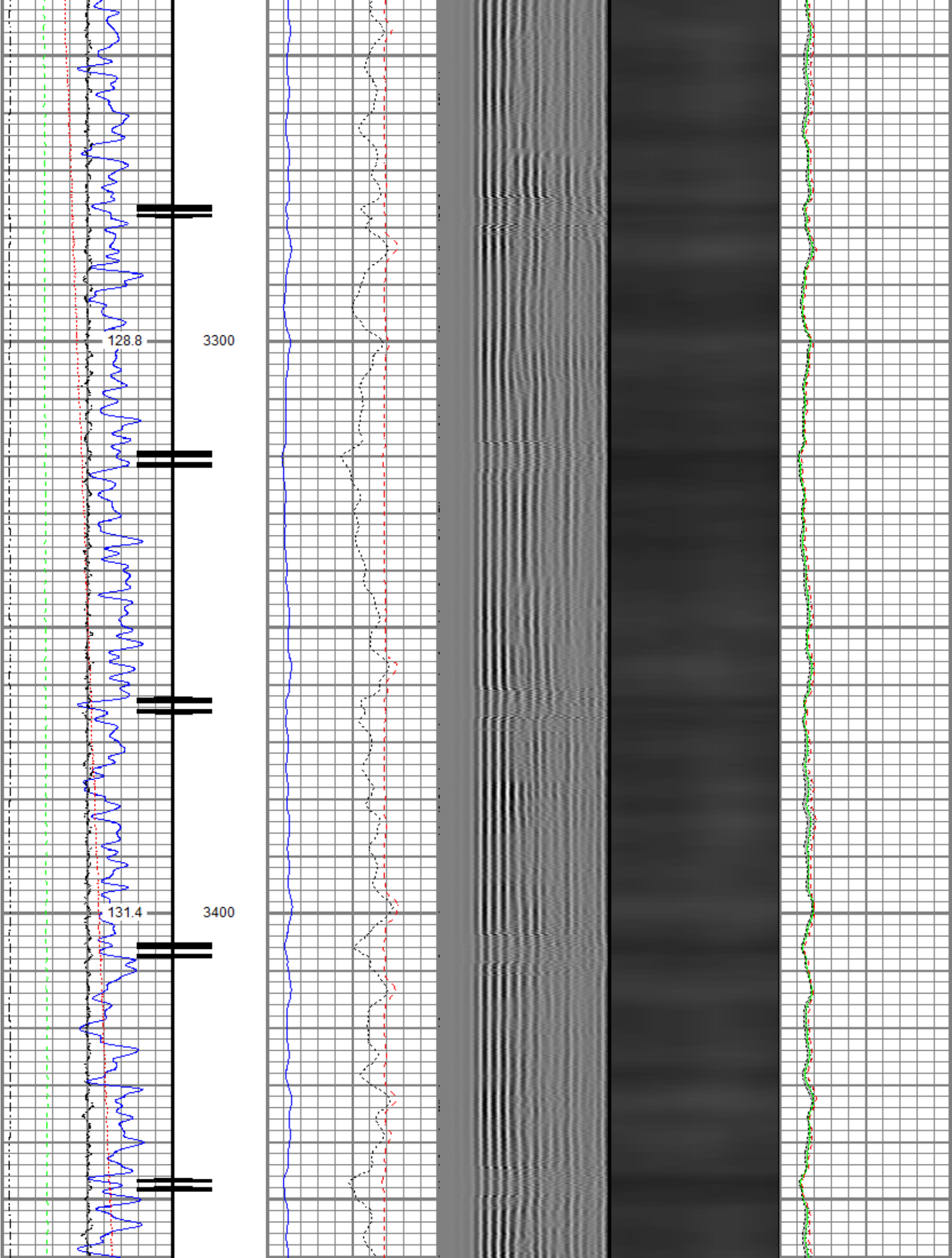


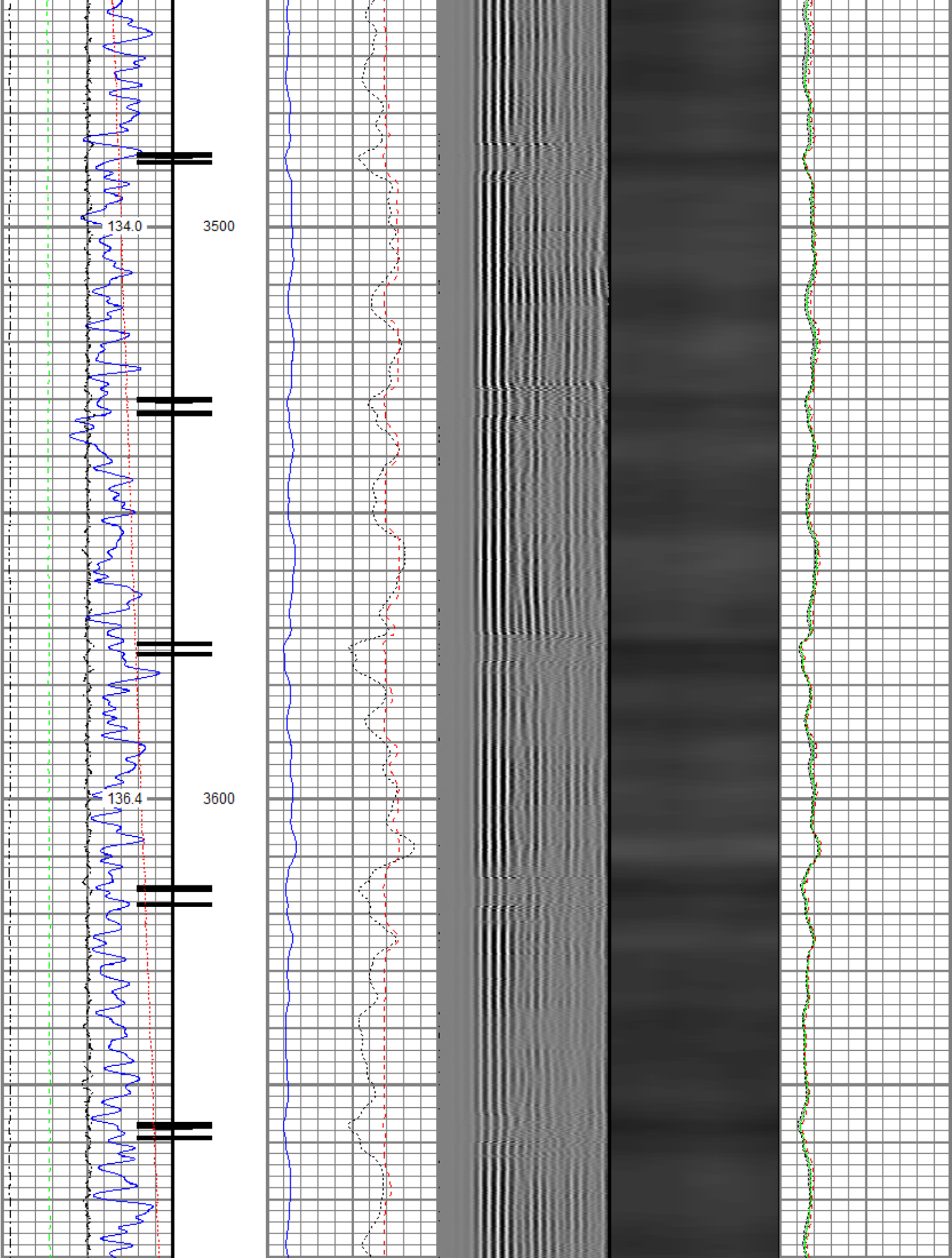


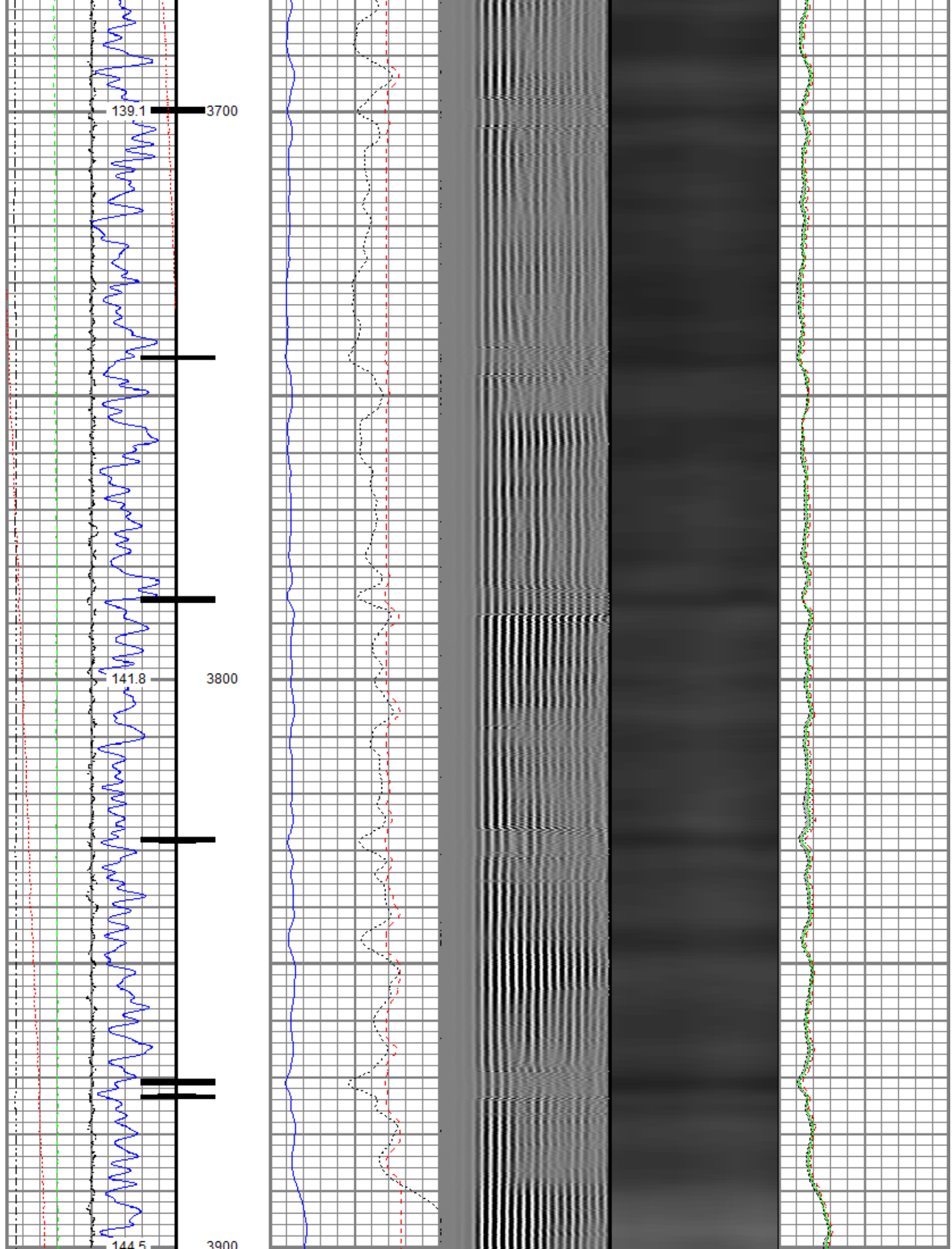


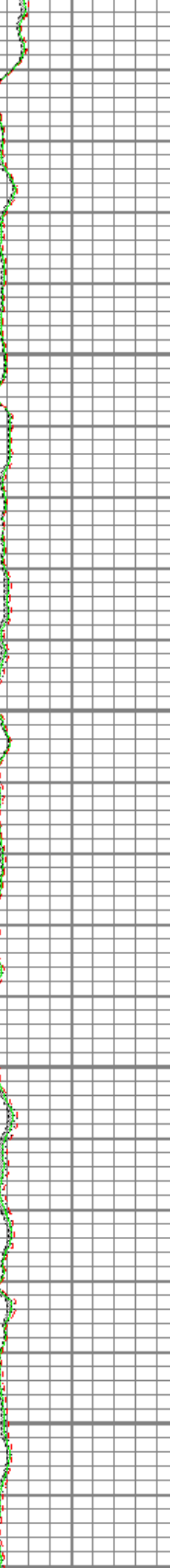
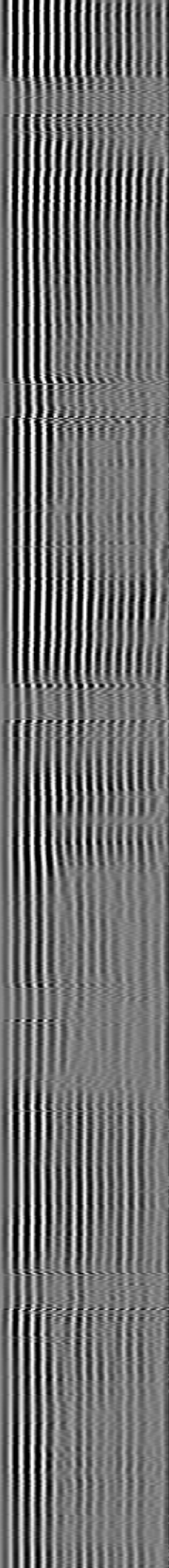
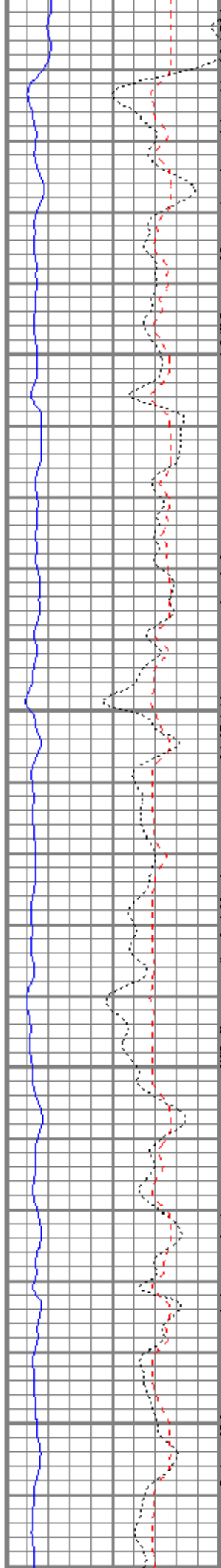
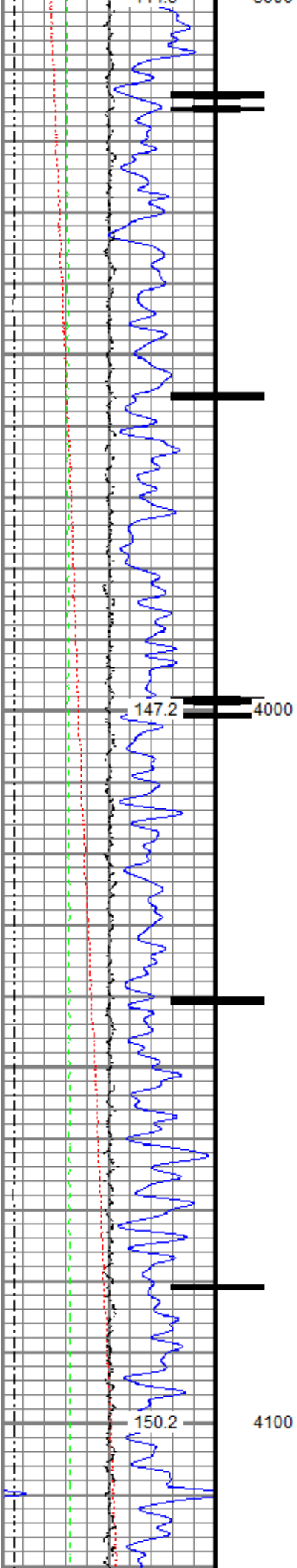


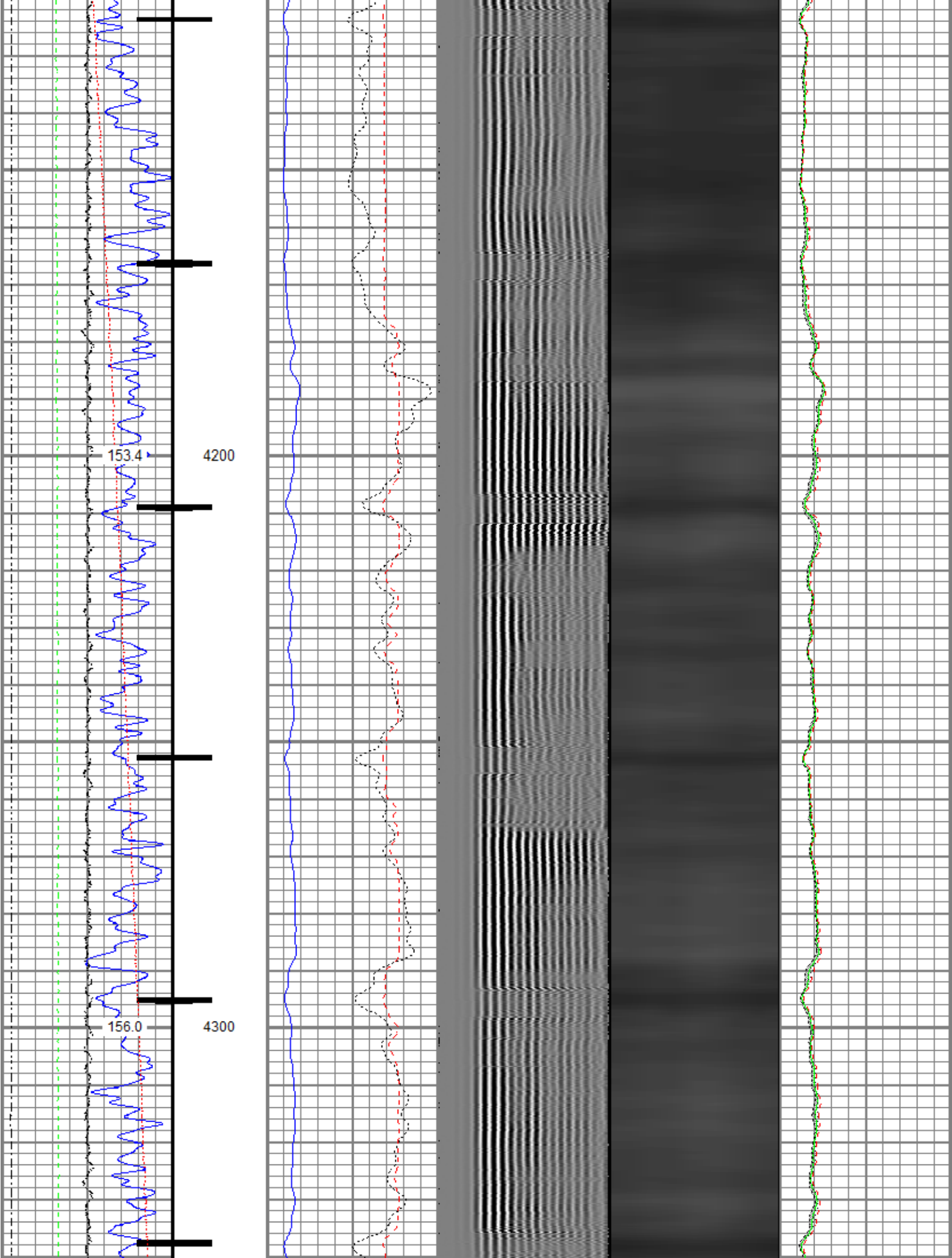


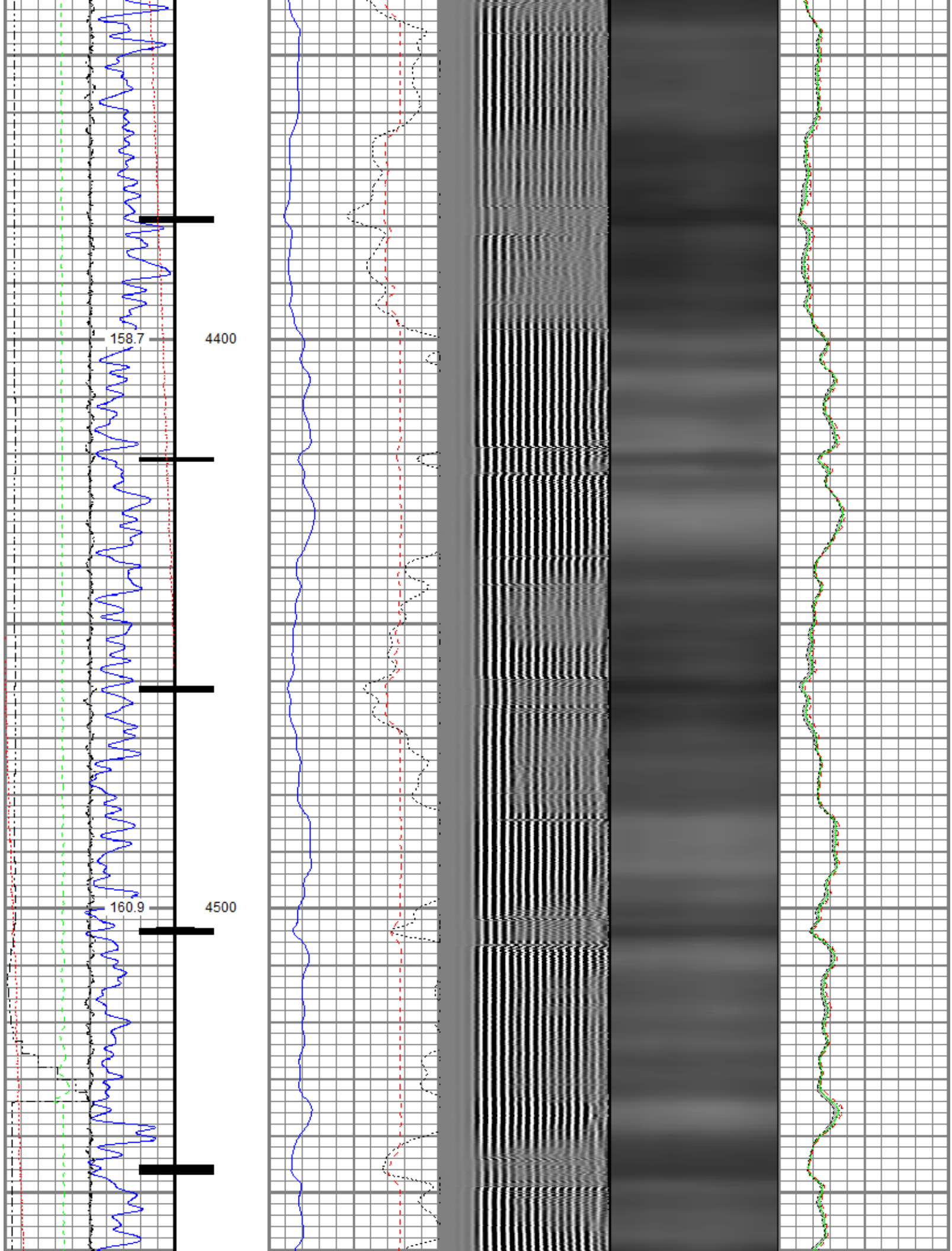


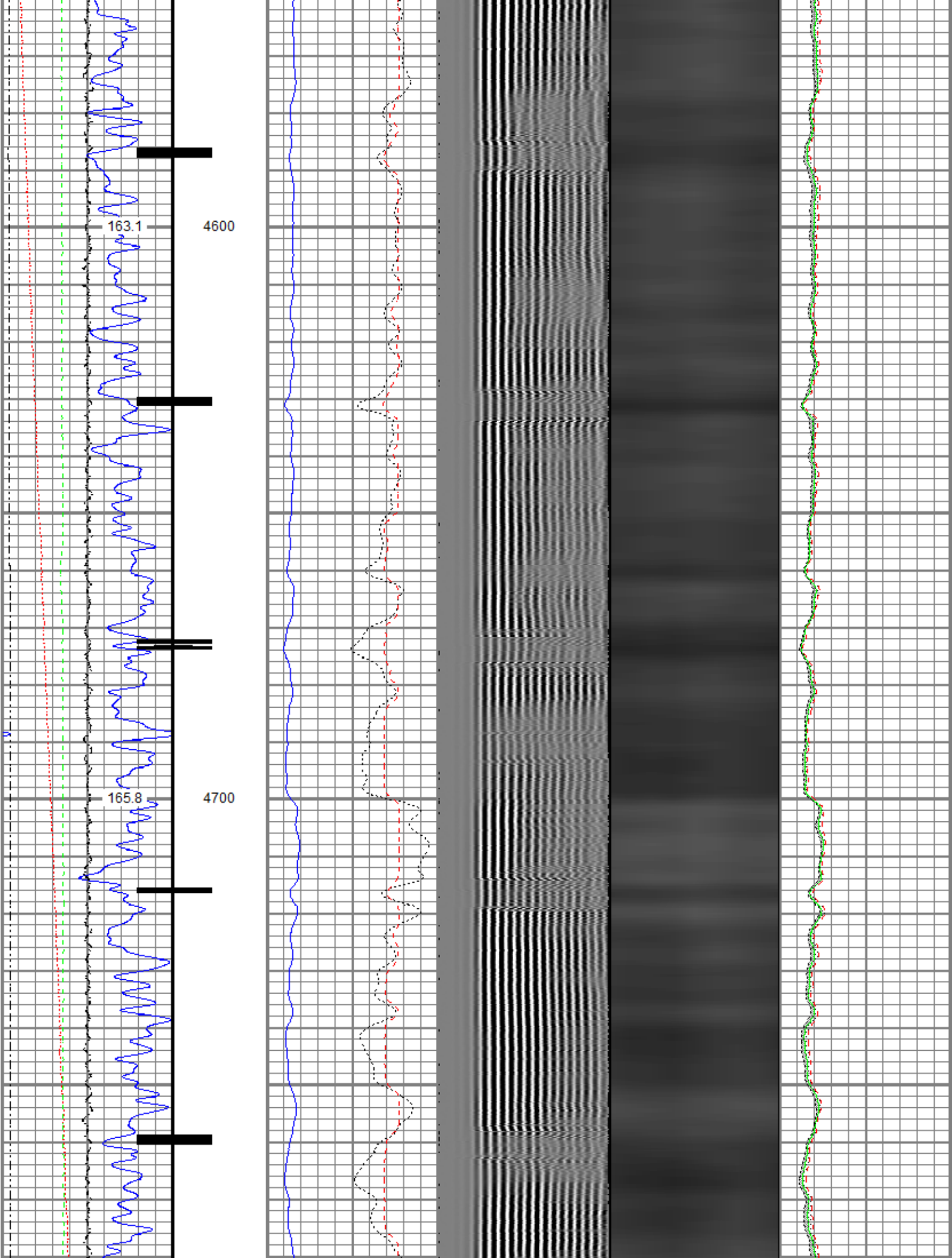


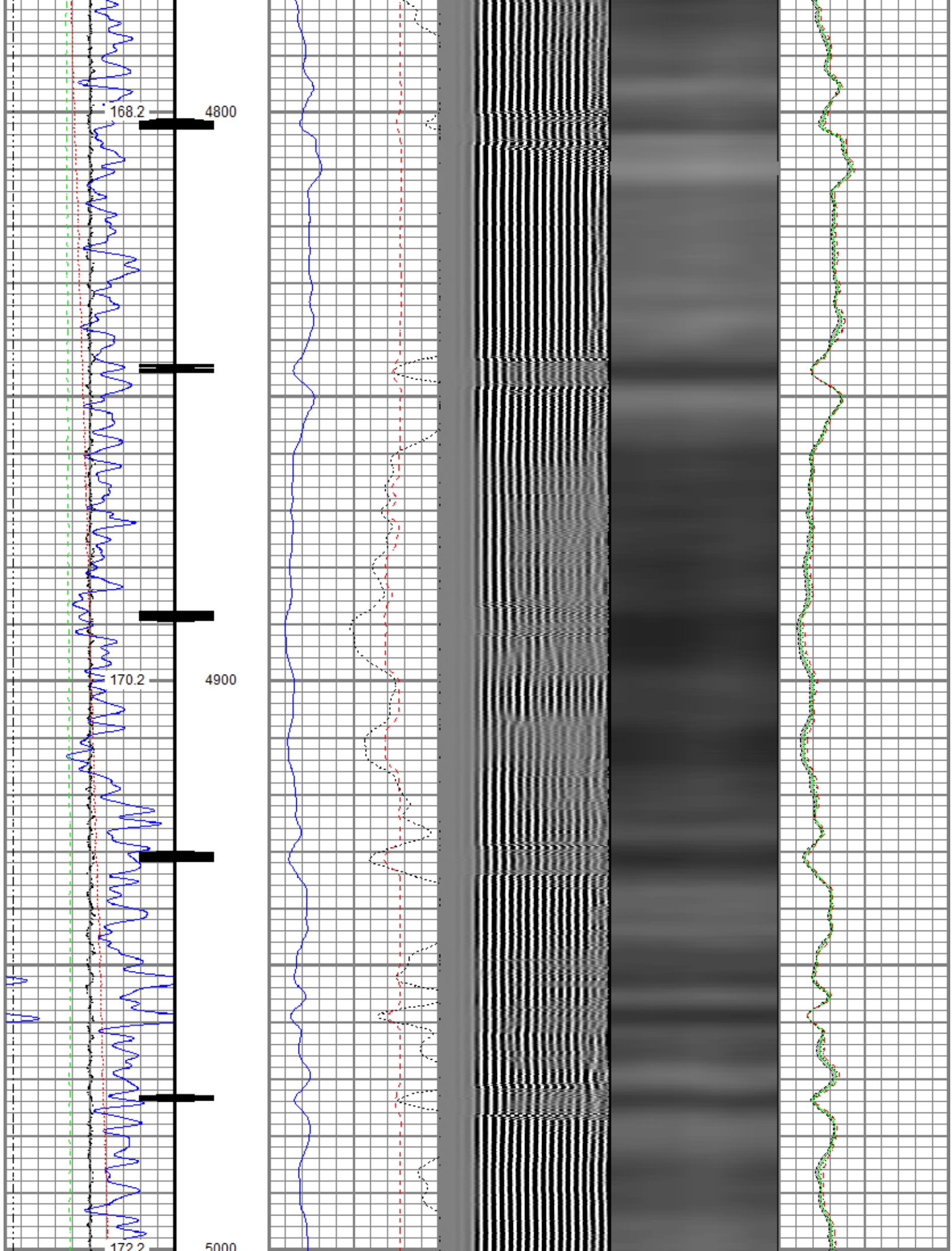


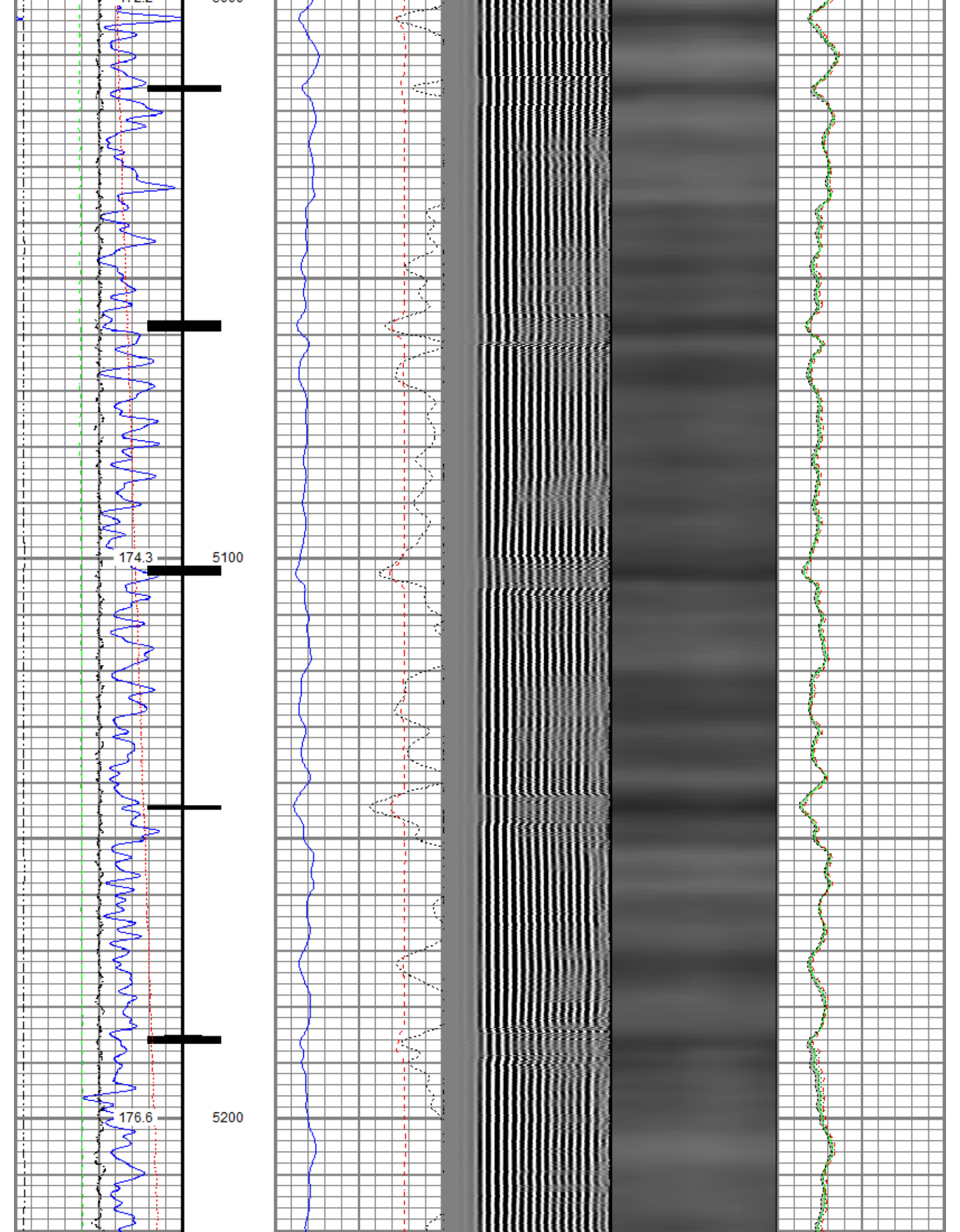


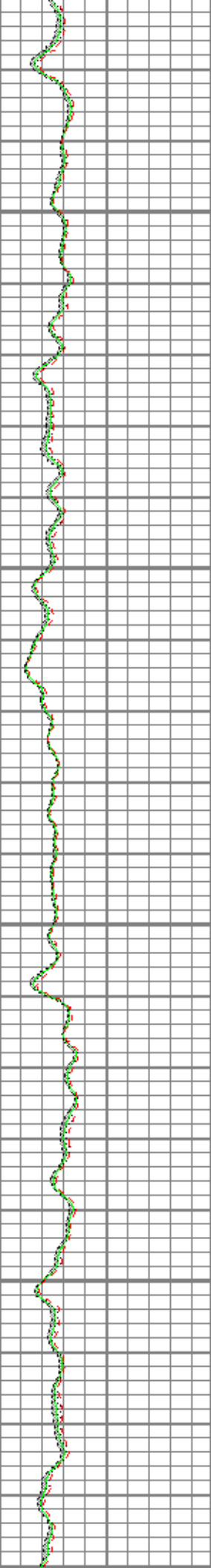
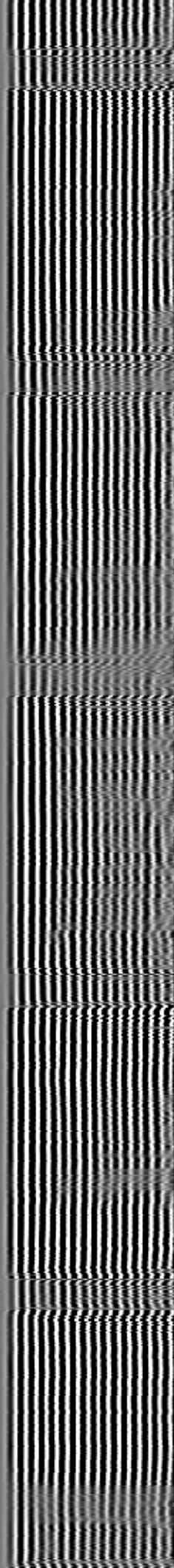
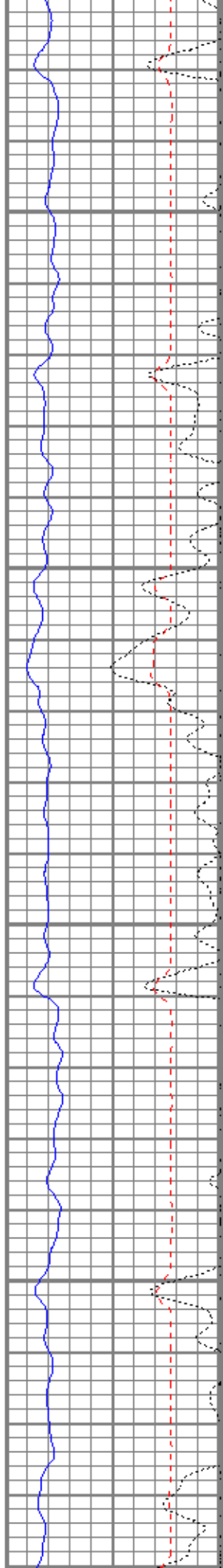
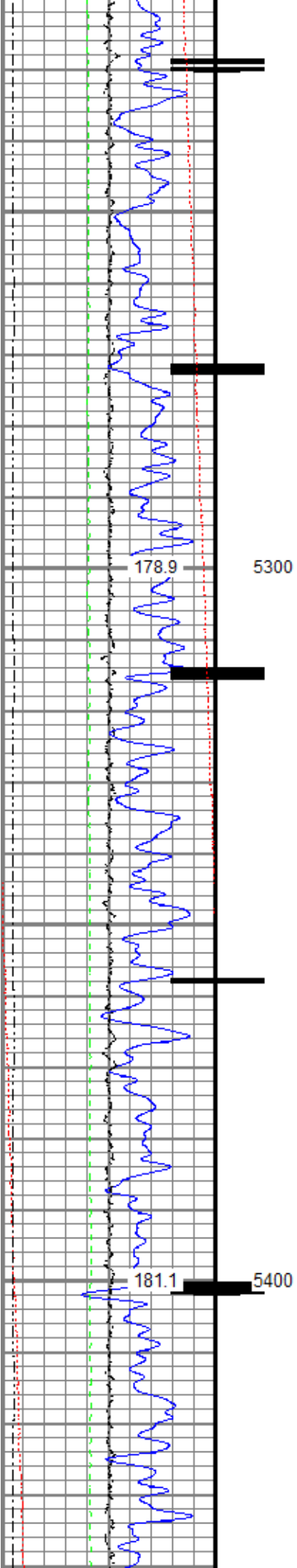


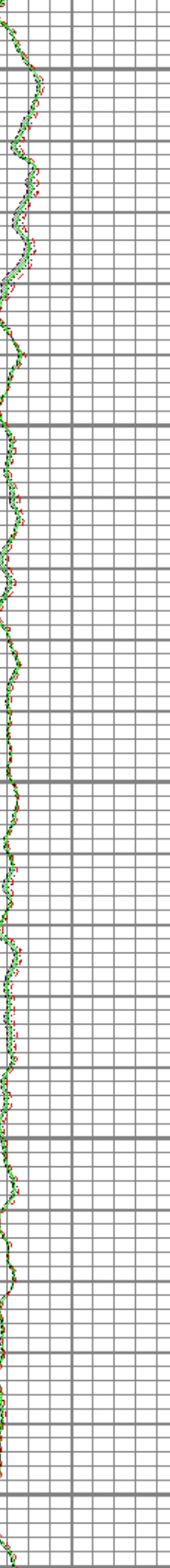
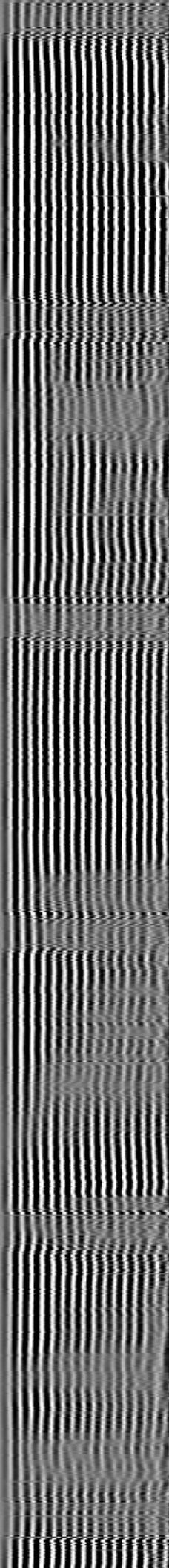
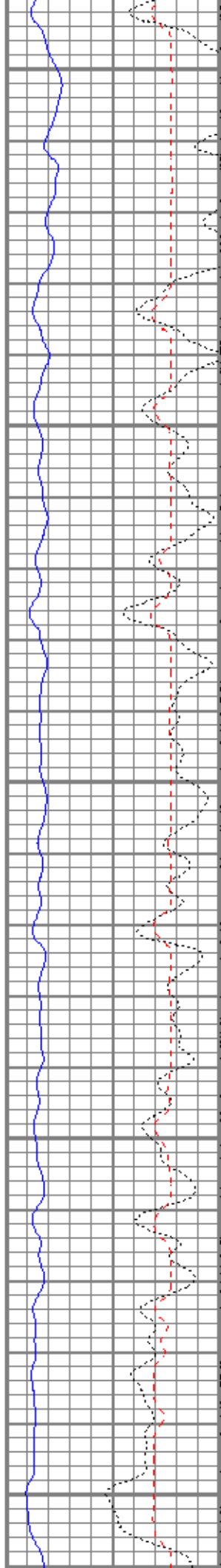
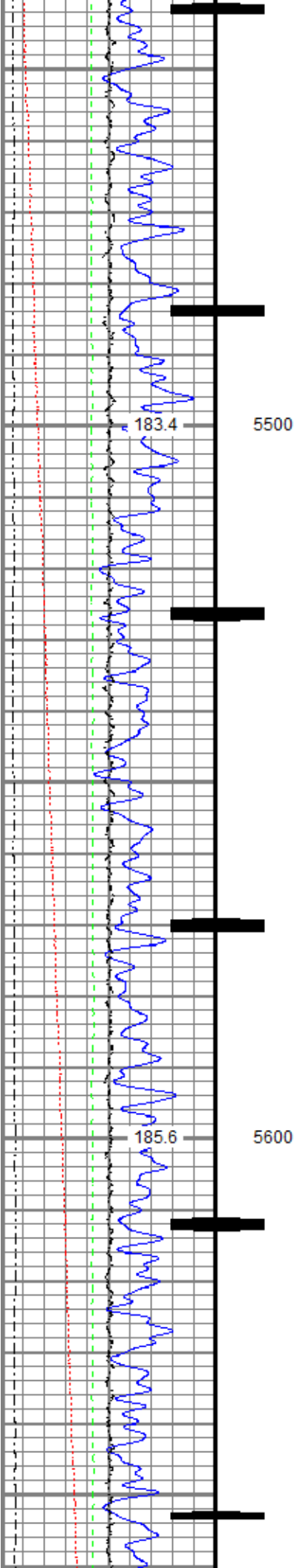


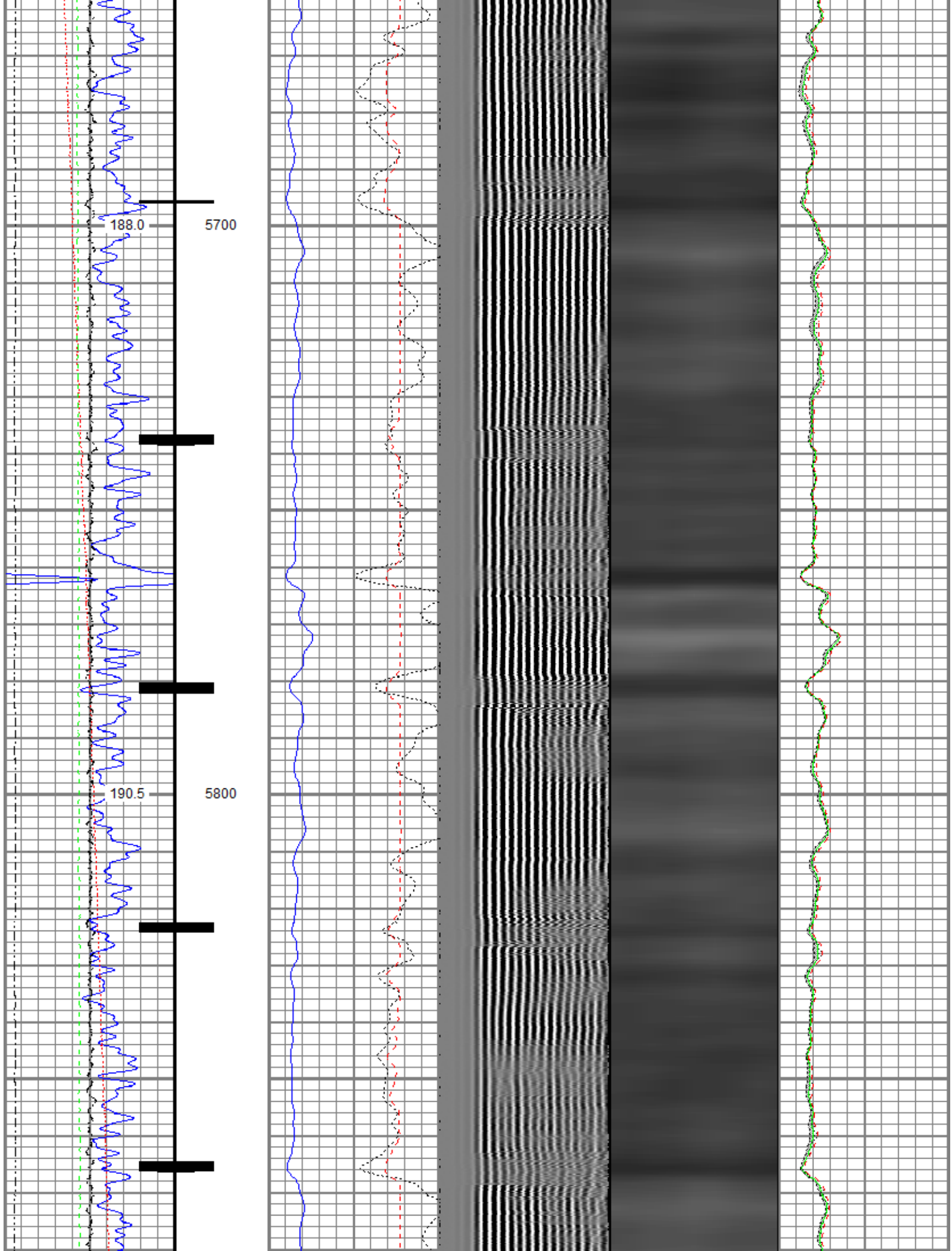


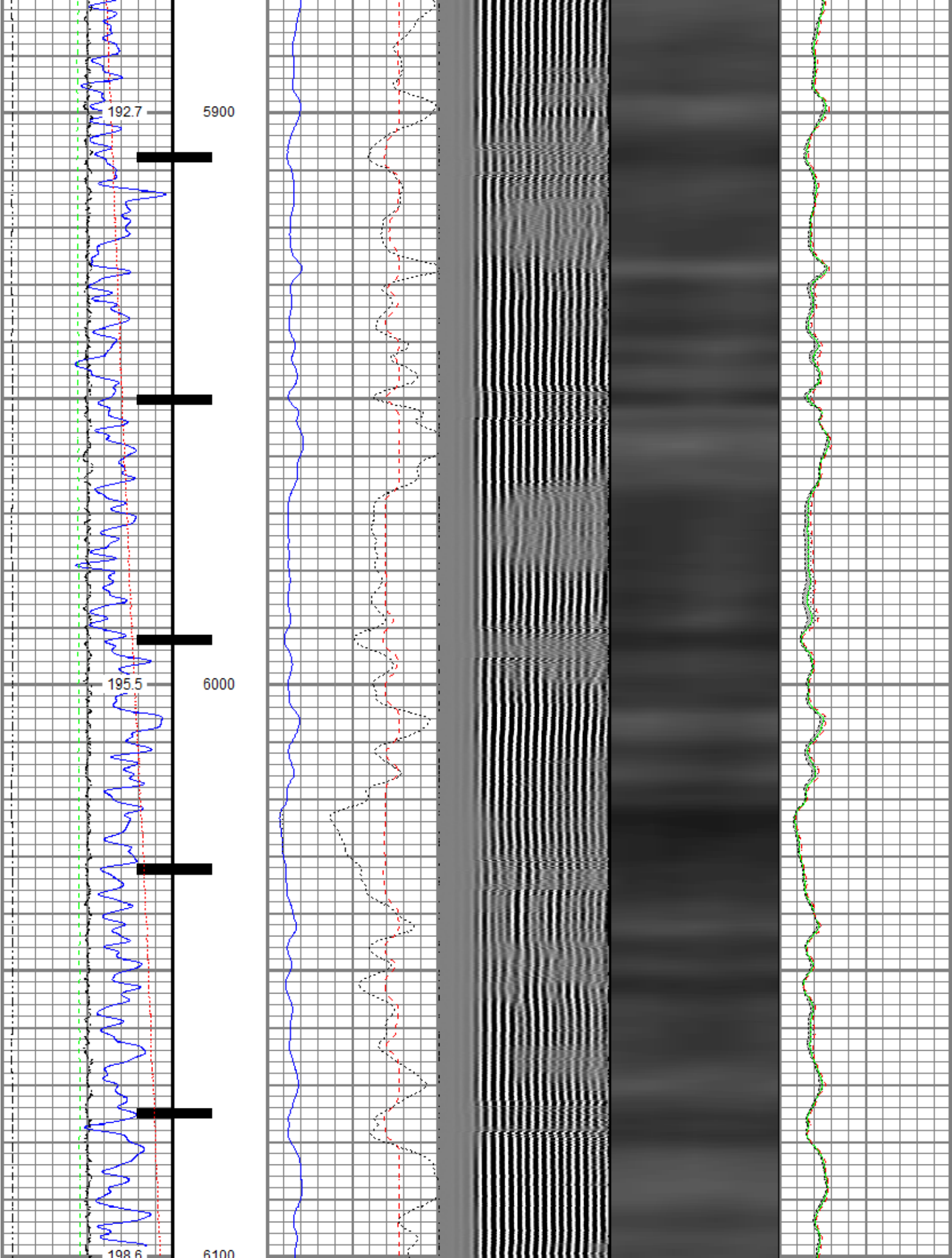


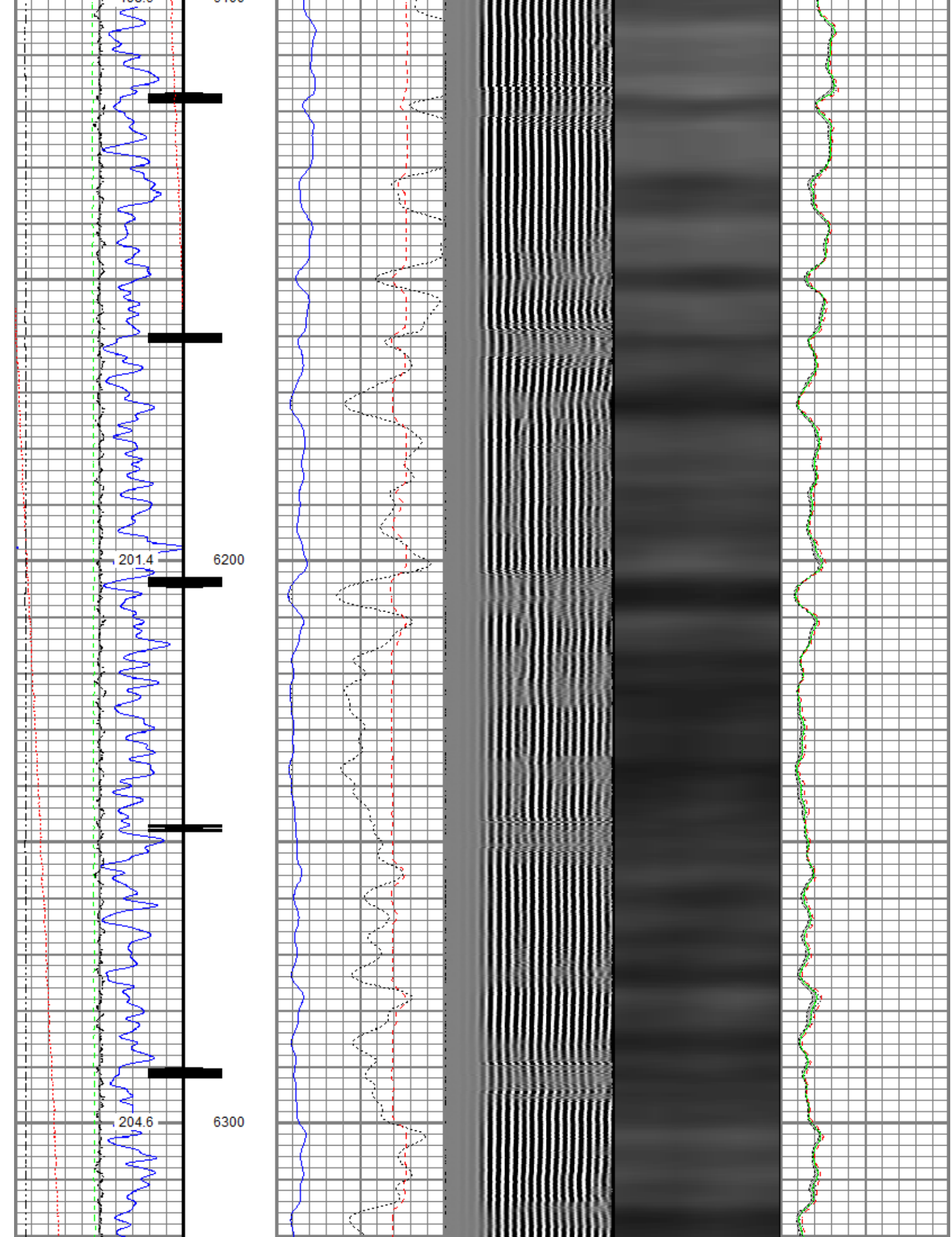


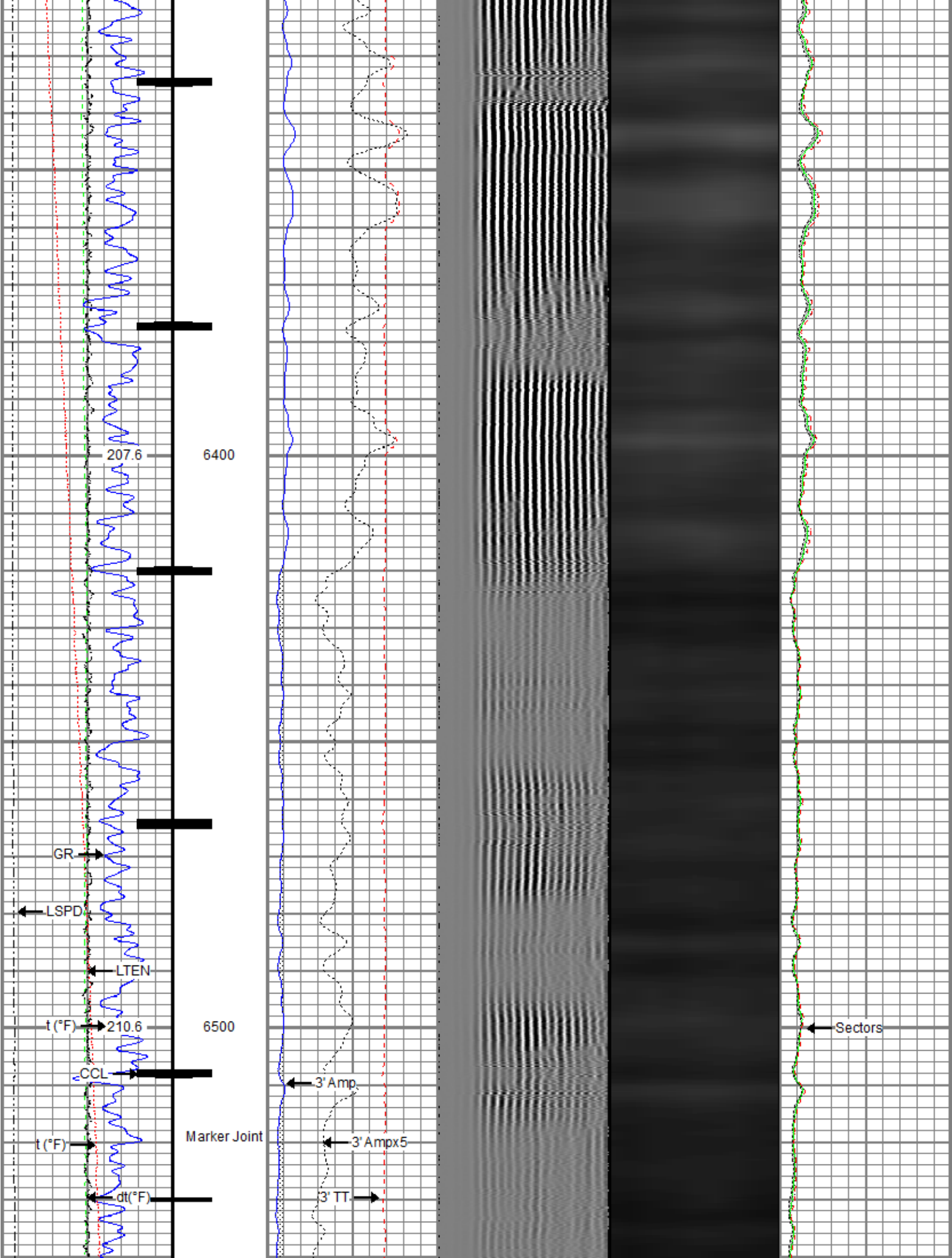


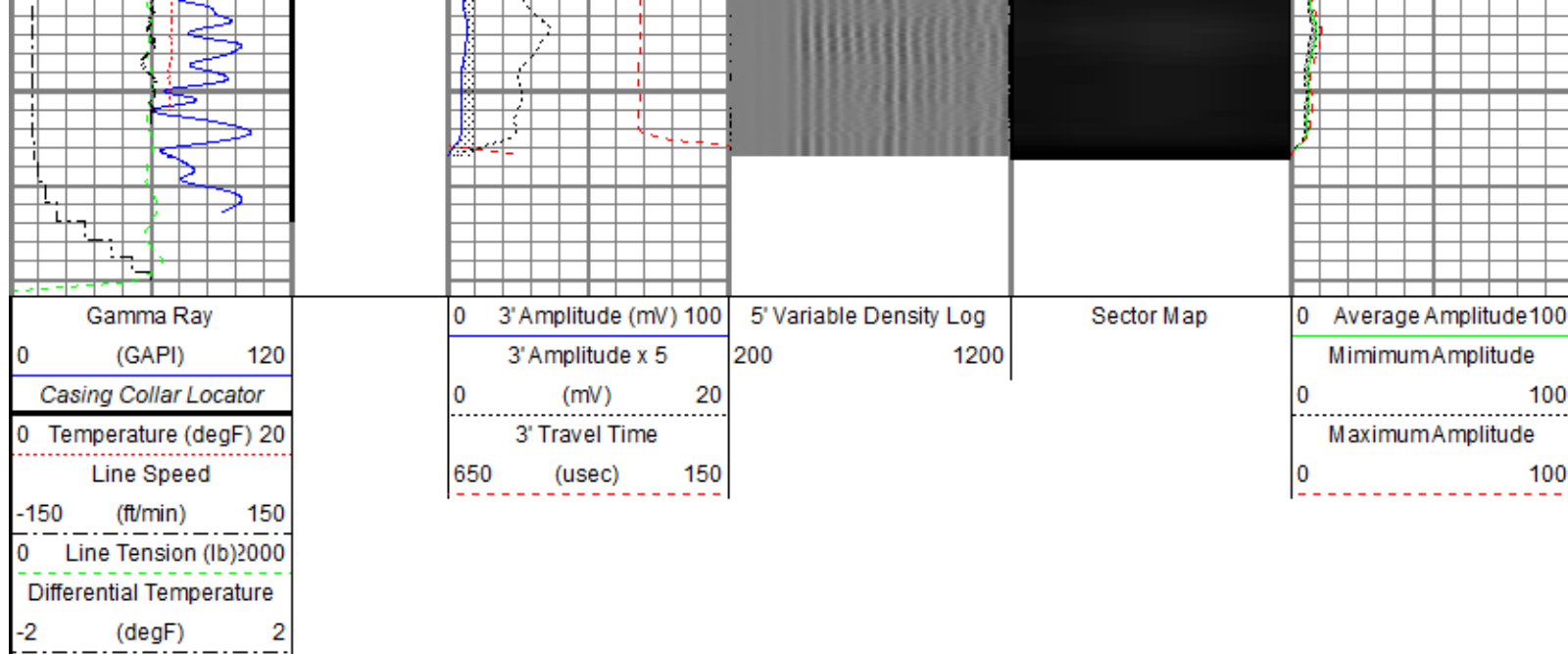








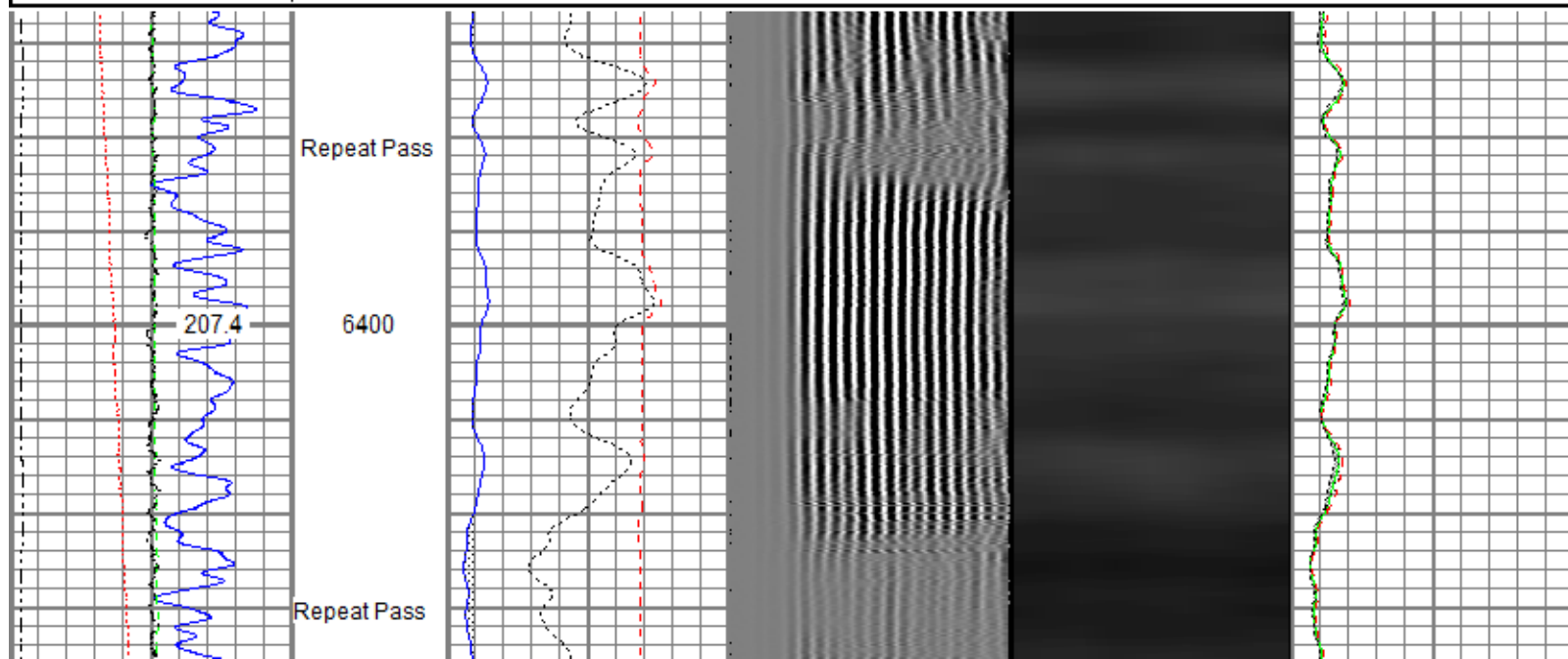
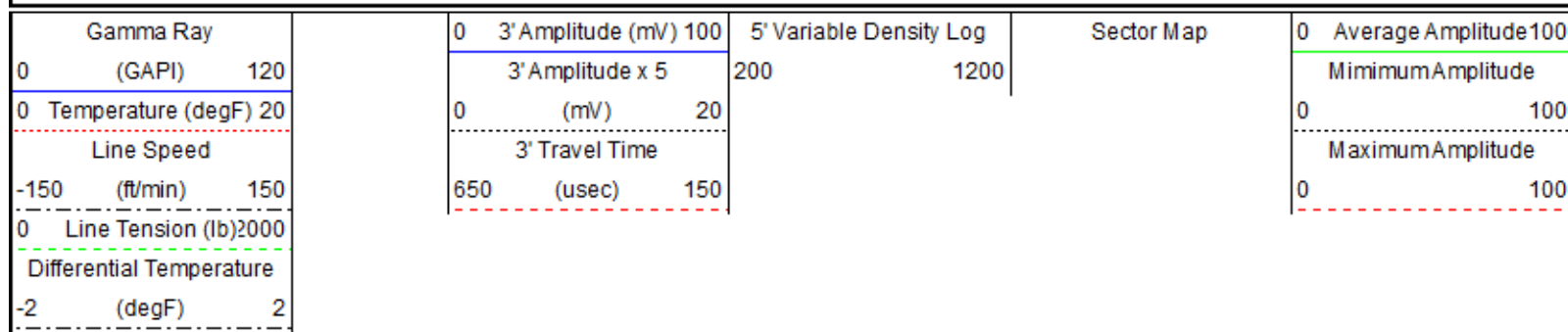


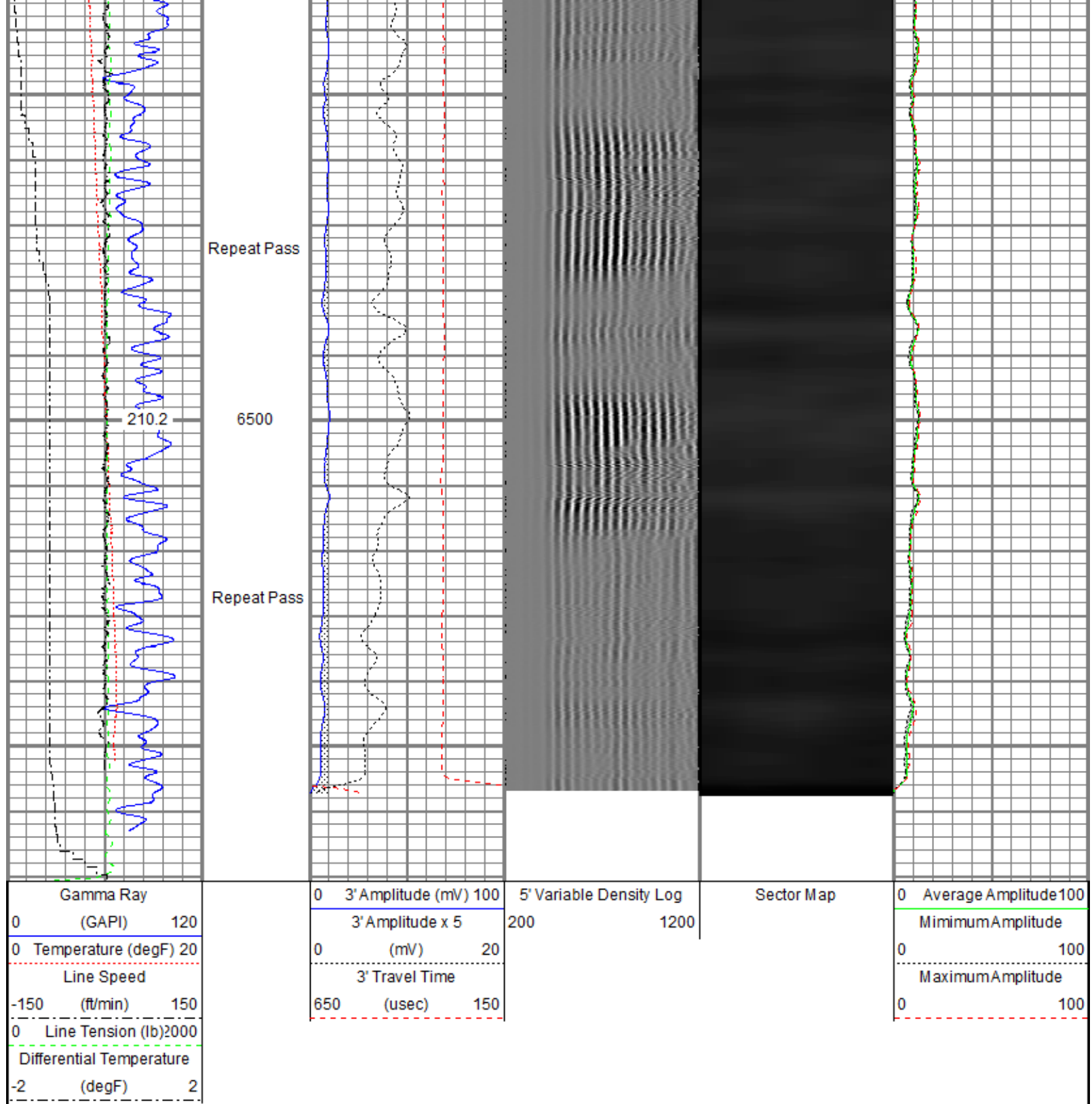


Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

Database File: 0512346262_anadarko_quarter circle 24-9hz-rbl-07-15-18\processed_0512346262_anadarko_quarter circle 24-9hz-rbl-07-15-18
 Dataset Pathname: pass2
 Presentation Format: ros_radri
 Dataset Creation: Sun Jul 15 08:44:38 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					
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					
CCL\$2	6.80					
CCL\$1	6.80					
GR	5.46					
			</			

Calibration Report			
Database File	C:\ProgramData\Warrior\Data\0512346262_Anadarko_Quarter Circle 24-9HZ-RBL-07-15-18\PROCESSED_0512346262_Anadarko_Quarter Circle 24-9HZ-RBL-07-15-18		
Dataset Pathname	pass4		
Dataset Creation	Sun Jul 15 08:47:39 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:	FW1308-091
Tool Model:	2750 RBT
Calibration Casing Diameter:	5.500 in
Calibration Depth:	33.896 ft

Master Calibration, performed Sat Jul 14 06:55:18 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.676	0.800	71.921	105.914	0.360
CAL	0.004	0.727				
5'	0.004	0.609	0.800	71.921	117.649	0.299
SUM						
S1	0.004	0.673	0.000	100.000	149.364	-0.562
S2	0.004	0.681	0.000	100.000	147.721	-0.613
S3	0.004	0.685	0.000	100.000	146.892	-0.572
S4	0.004	0.680	0.000	100.000	147.929	-0.655
S5	0.004	0.682	0.000	100.000	147.444	-0.621
S6	0.005	0.687	0.000	100.000	146.579	-0.669
S7	0.004	0.682	0.000	100.000	147.532	-0.616
S8	0.004	0.683	0.000	100.000	147.253	-0.602

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.727	1.000	0.000

Air Zero Calibration, performed Sat Jul 14 06:55:43 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.004		0.000		-0.000	
5'	0.004		0.000		-0.000	
SUM						
S1	0.004		0.000		0.000	
S2	0.004		0.000		-0.000	
S3	0.004		0.000		0.000	
S4	0.004		0.000		0.000	
S5	0.004		0.000		0.000	
S6	0.004		0.000		0.000	
S7	0.004		0.000		0.000	
S8	0.005		0.000		-0.000	

Temperature Calibration Report

Serial Number:	FW1308-091
Tool Model:	2750 RBT
Performed:	Sun Nov 12 13:50:54 2017

	Reference	Reading
Low Reference:	100.00 degF	104.72 degF
High Reference:	350.00 degF	392.24 degF

Gain: 0.87

Gain:	0.07
Offset:	8.94
Delta Spacing	1



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Quarter Circle 24-9 HZ
Field	Wattenberg
County	Weld
State	Colorado