



<<< Fold Here >>>

### Comments

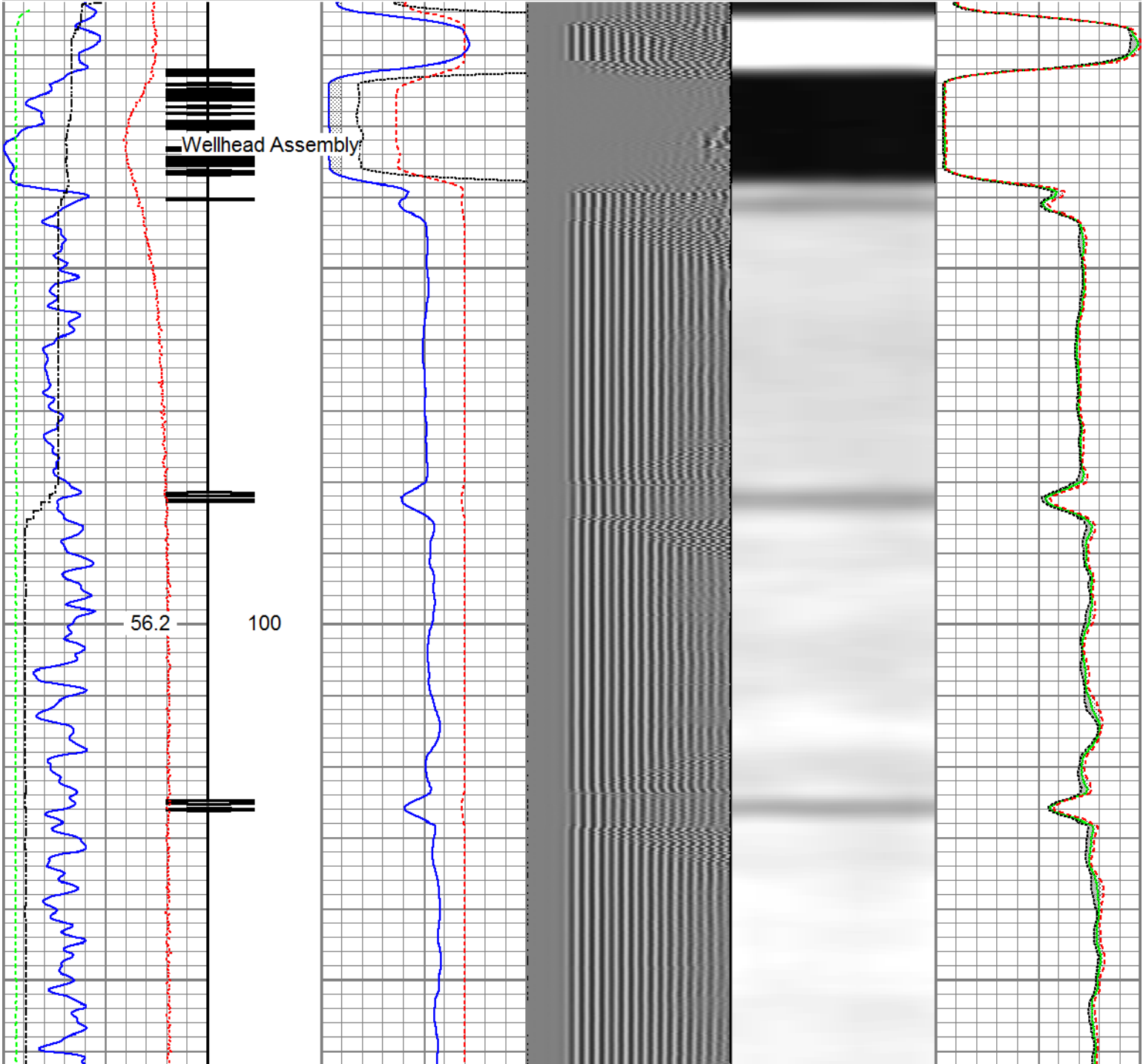


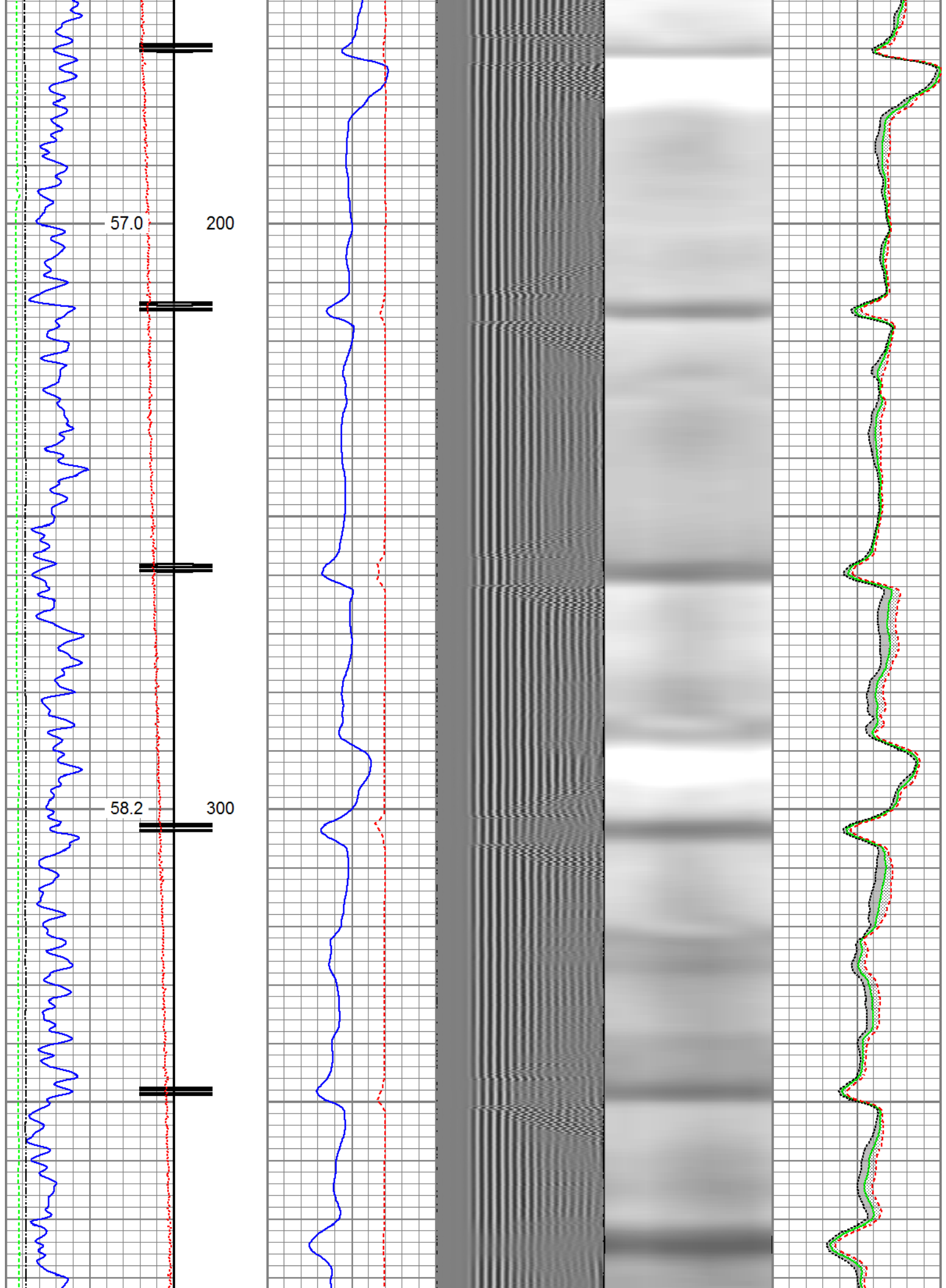
**RELIANCE**  
OILFIELD SERVICES

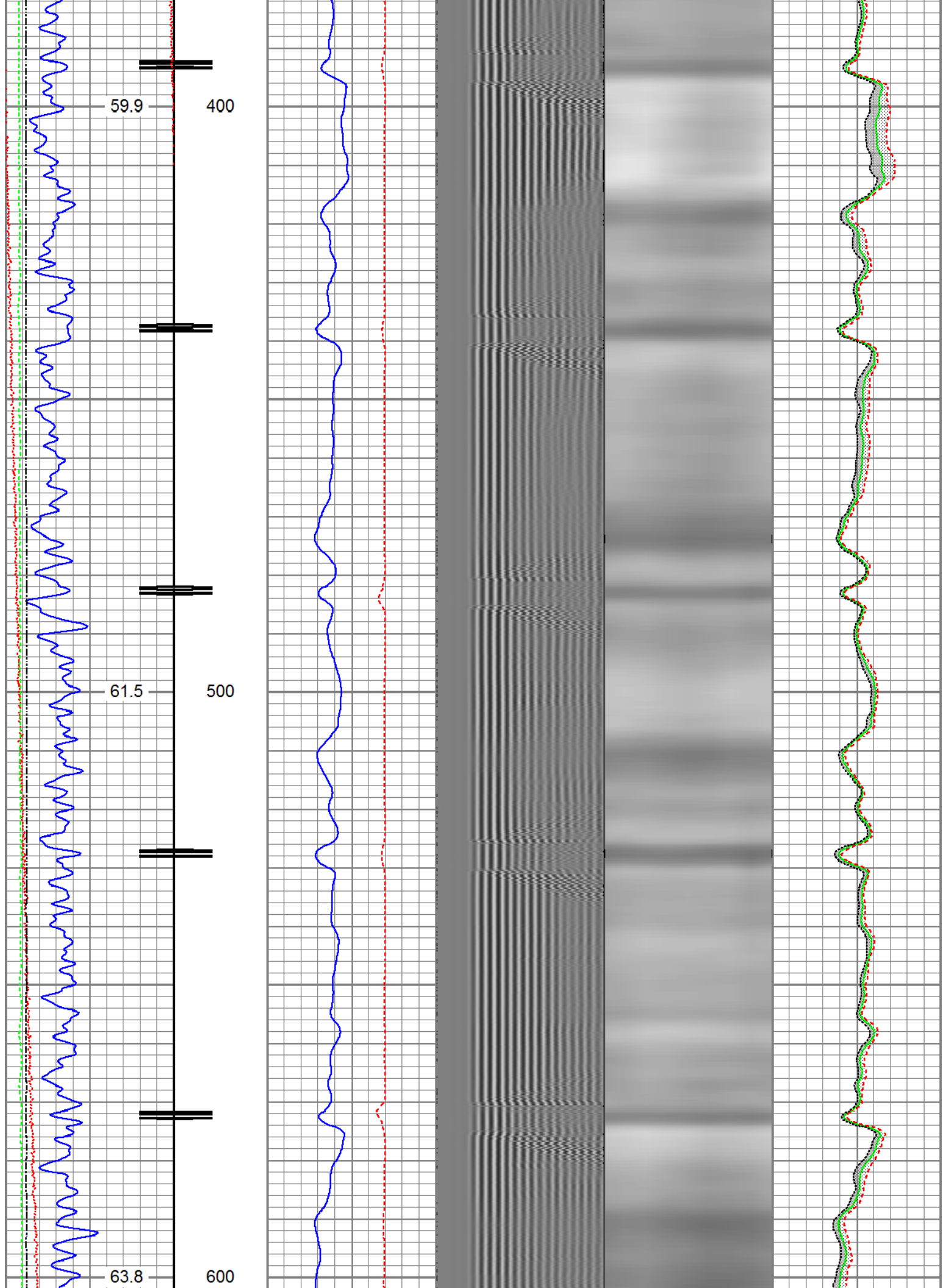
Recorded With 2800 PSI Surface Induced Pressure

Database File	anadarko_wilson ranch 4c-27hz_ 19-nov-16_rcbl\processed_0512341322_anadarko_wilson ranch 4c
Dataset Pathname	merge1.1
Presentation Format	ros_radri
Dataset Creation	Sat Nov 19 12:06:32 2016
Charted by	Depth in Feet scaled 1:240

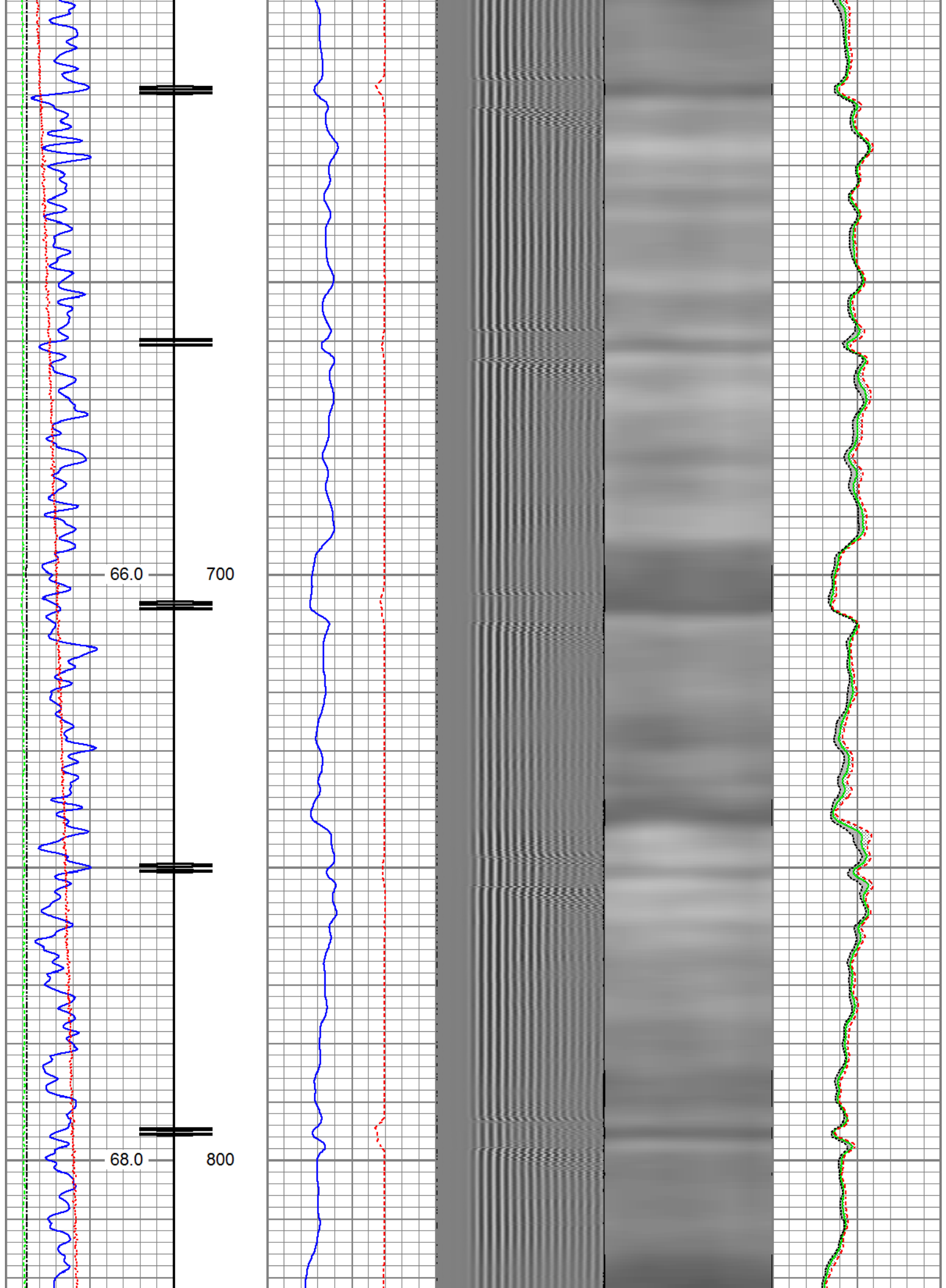
Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120		0 (mV) 100	200 1200		0 100
Casing Collar Locator		3' Amplitude x 5			Mimimum Amplitude
		0 (mV) 20			0 100
Temperature		3' Travel Time			Maximum Amplitude
0 (degF) 20		650 (usec) 150			0 100
Line Speed					
-150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

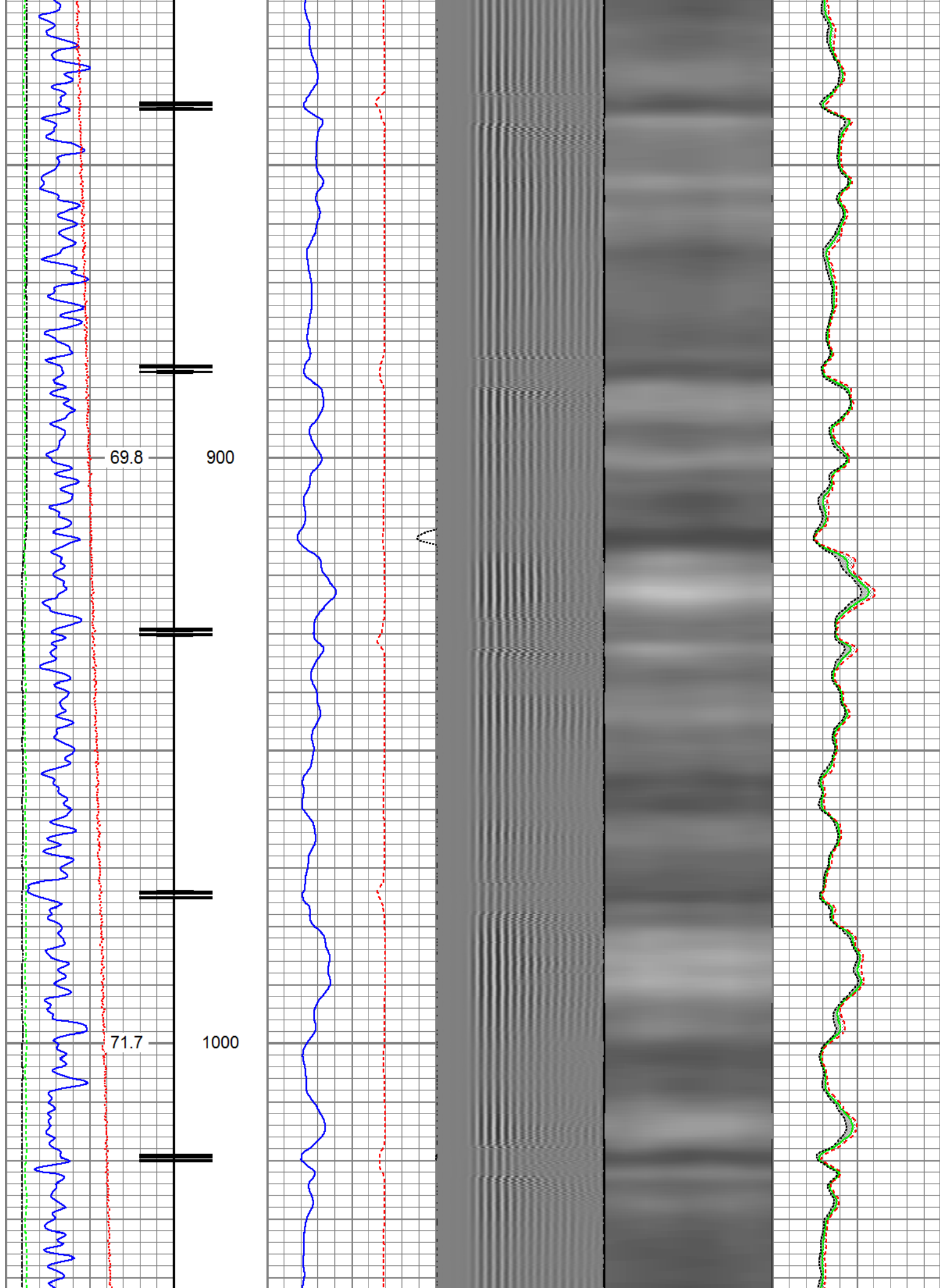


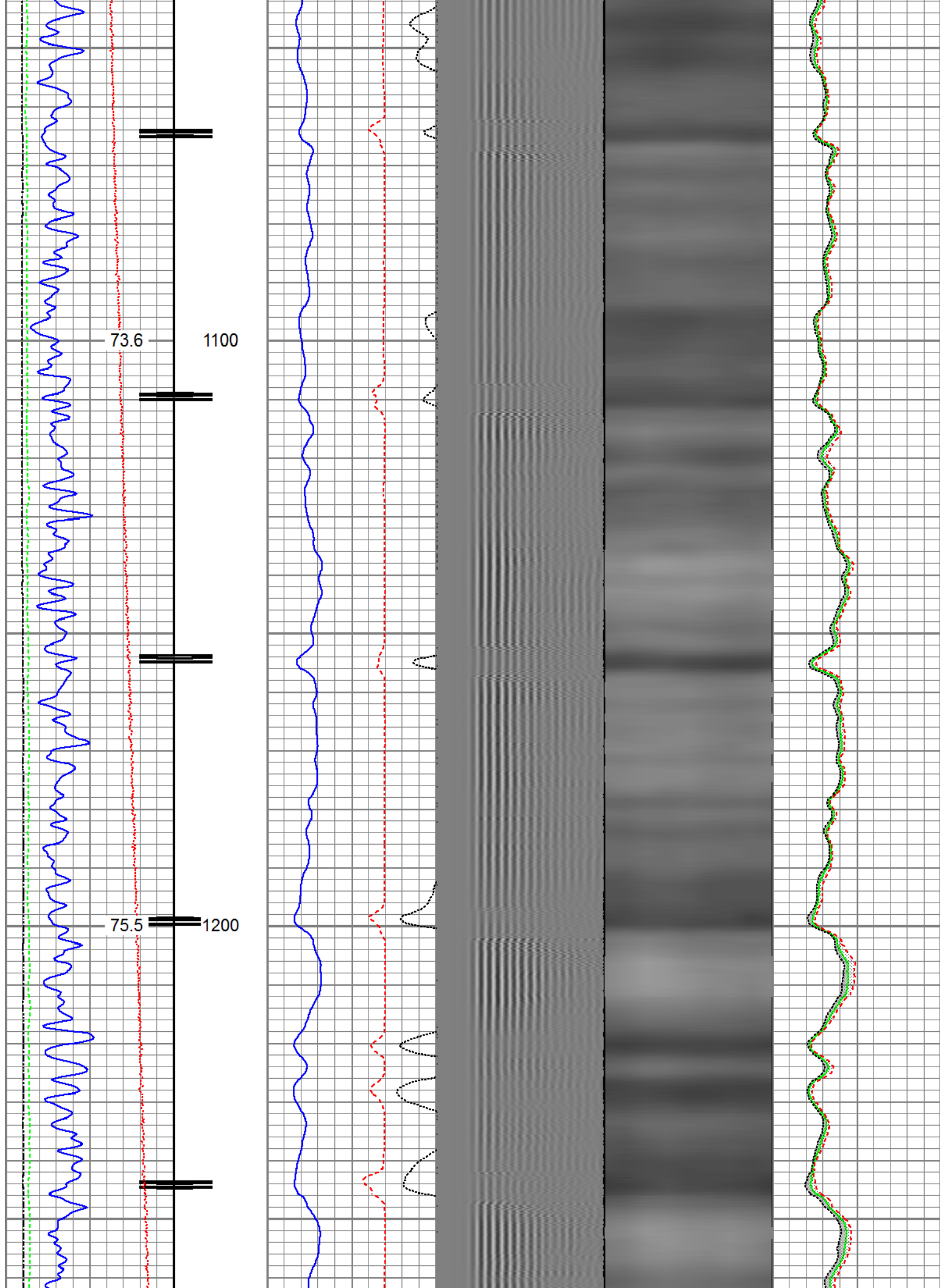


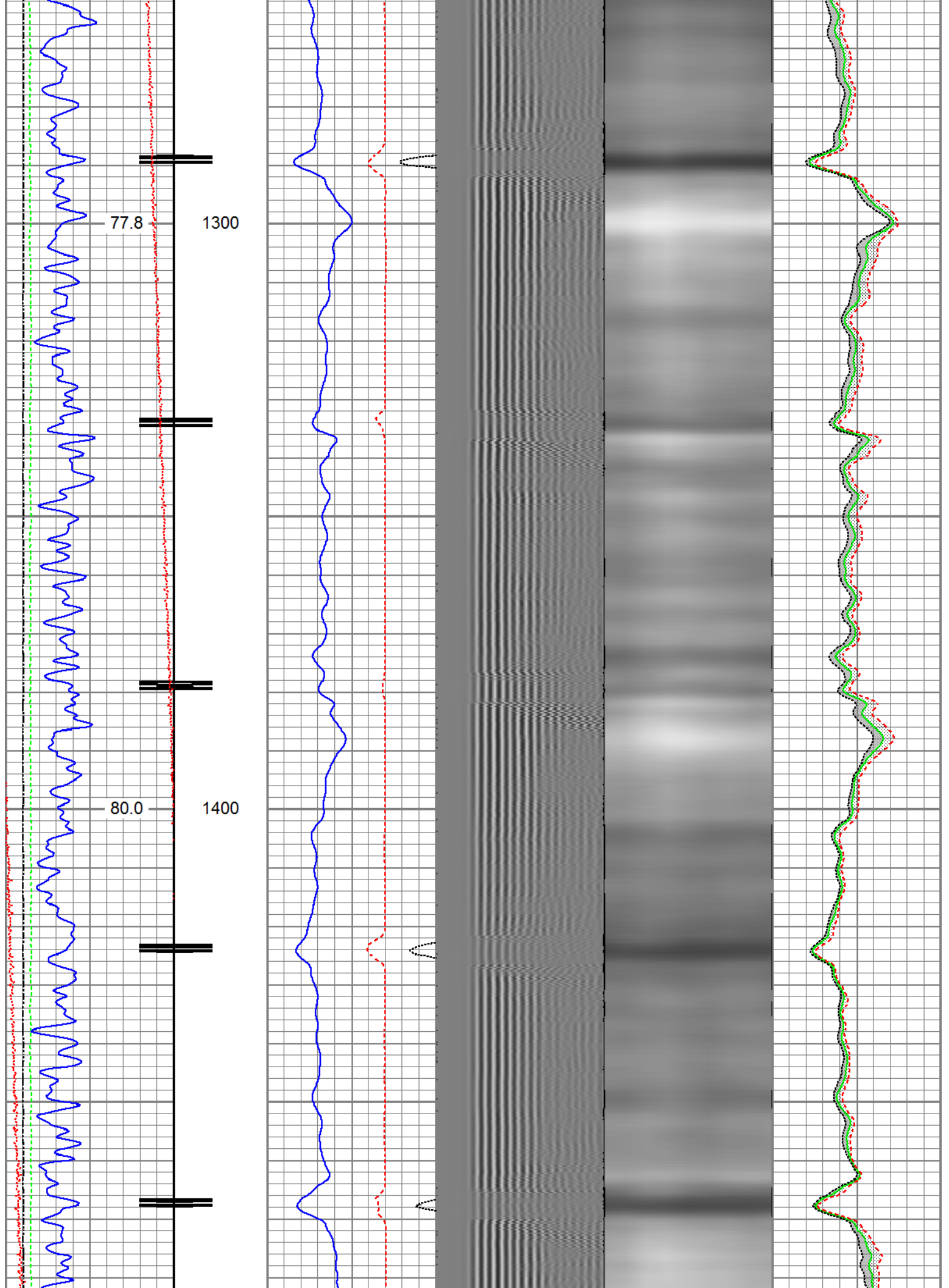


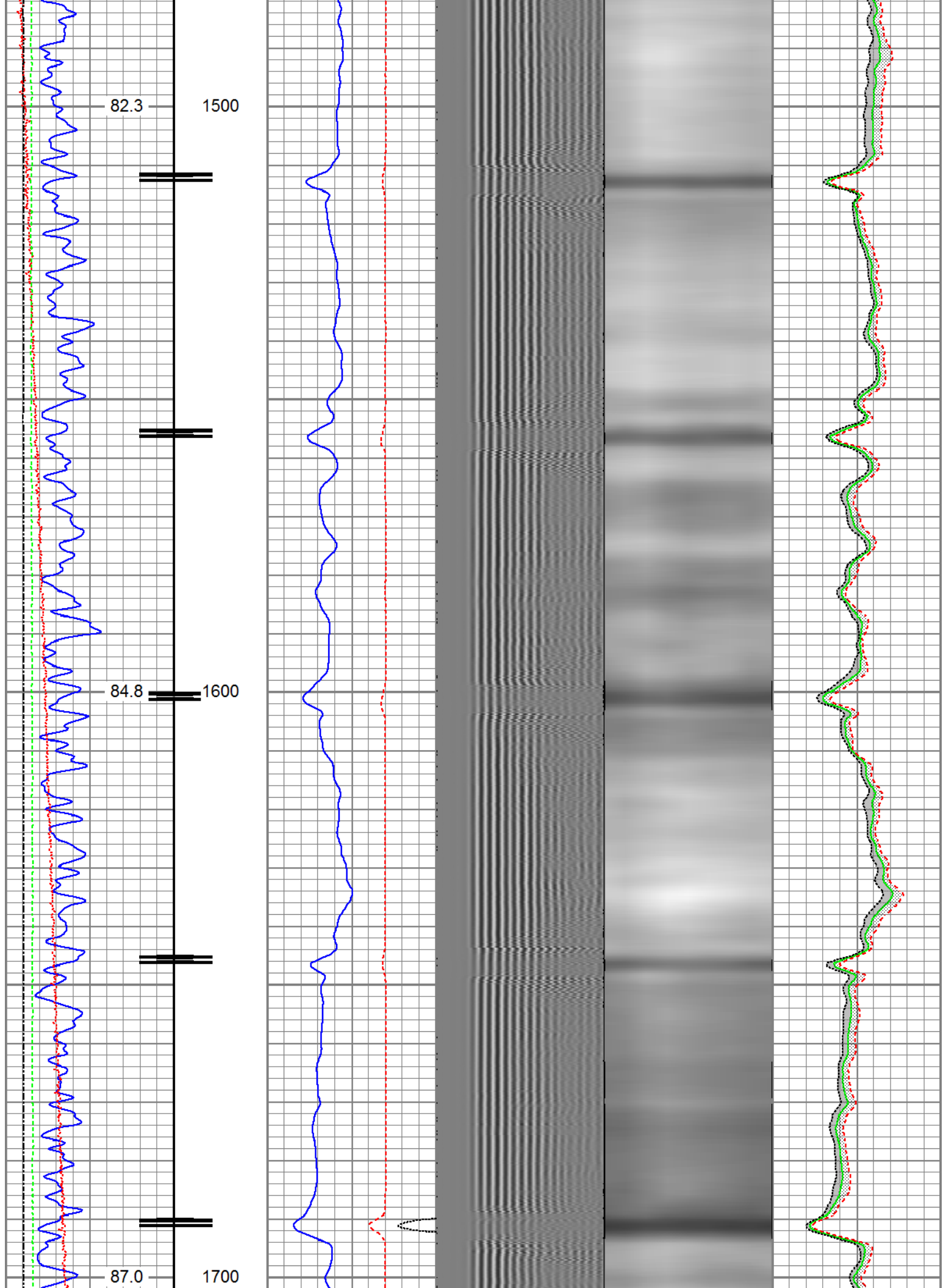




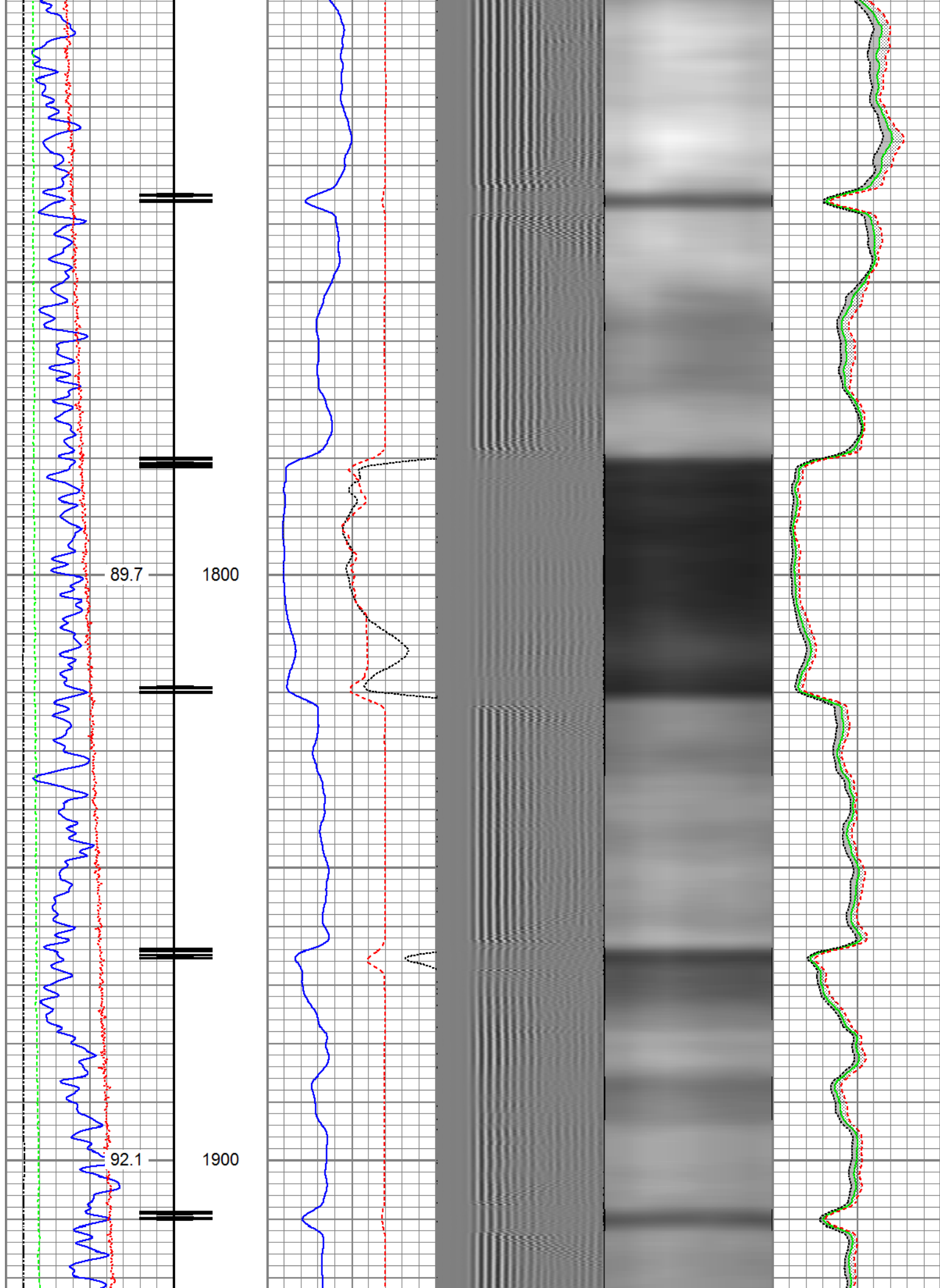


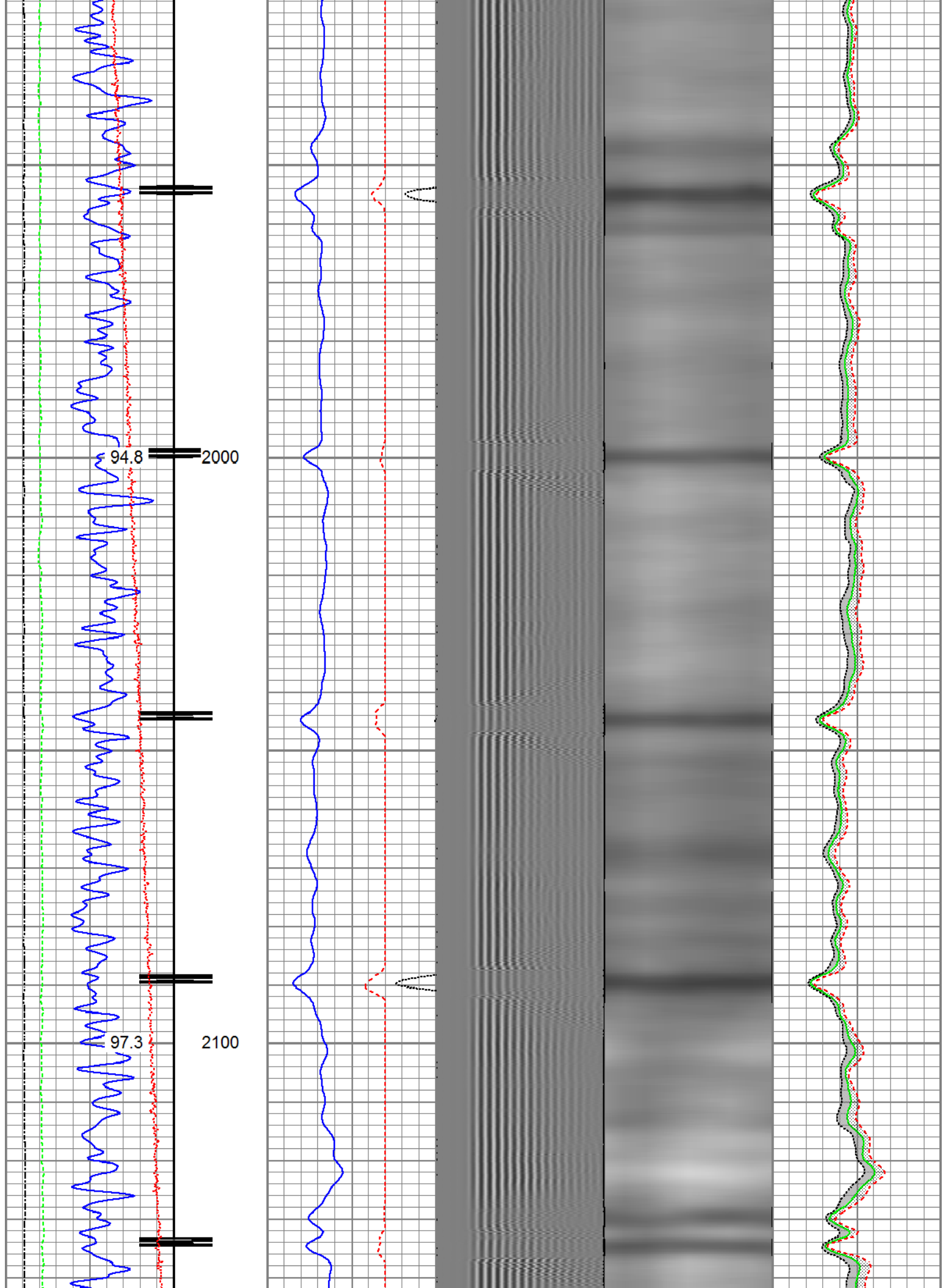


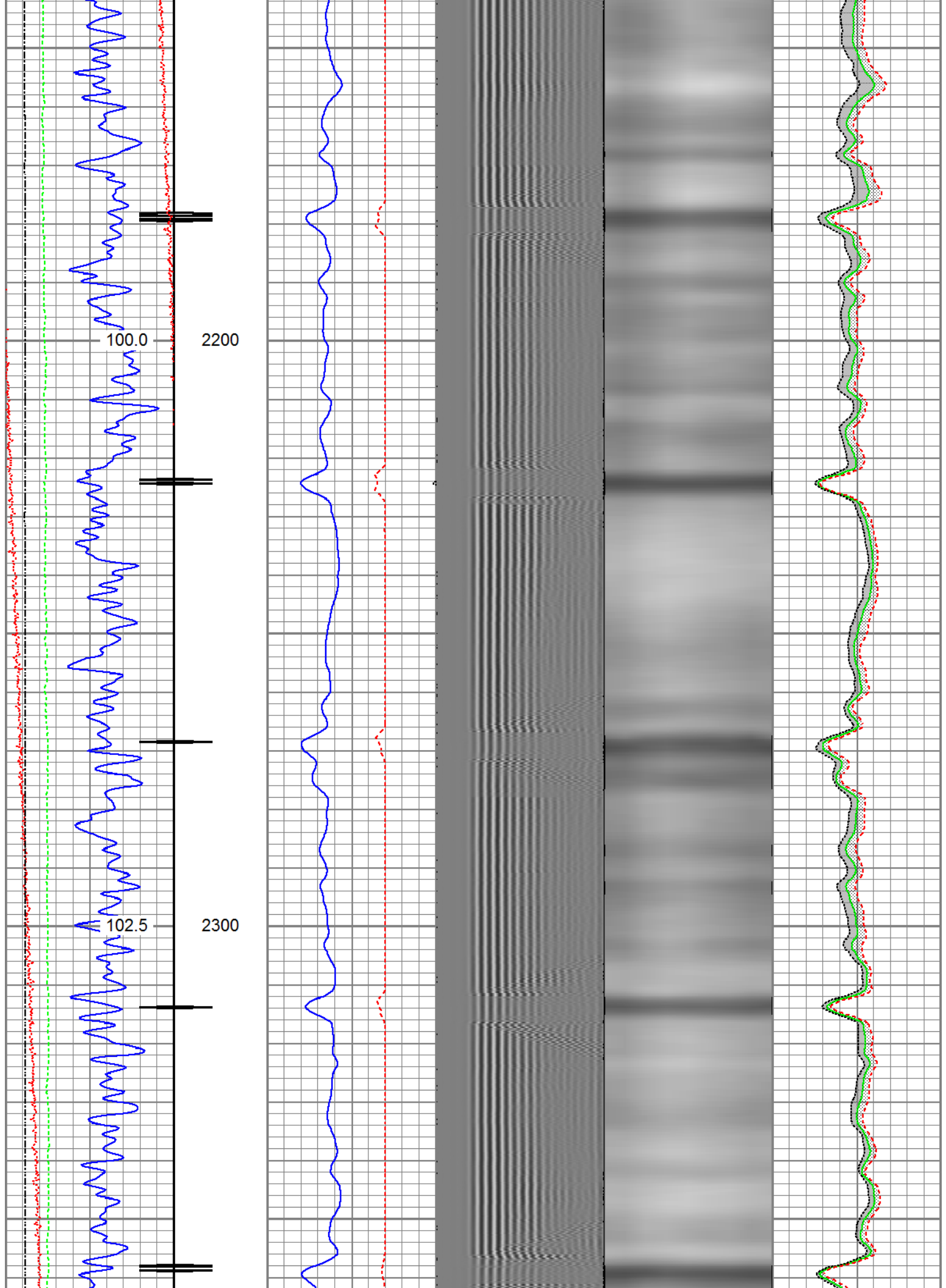


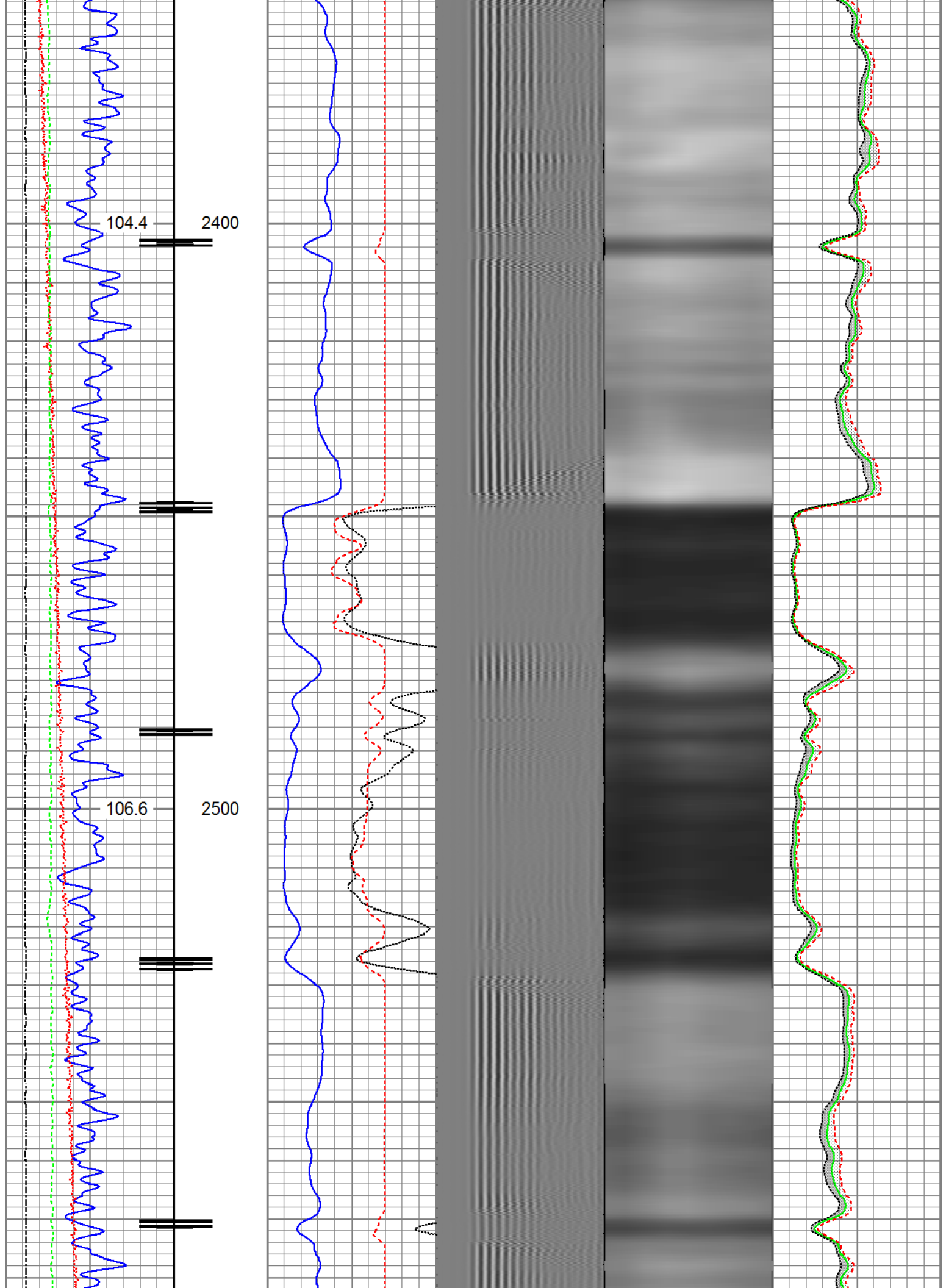


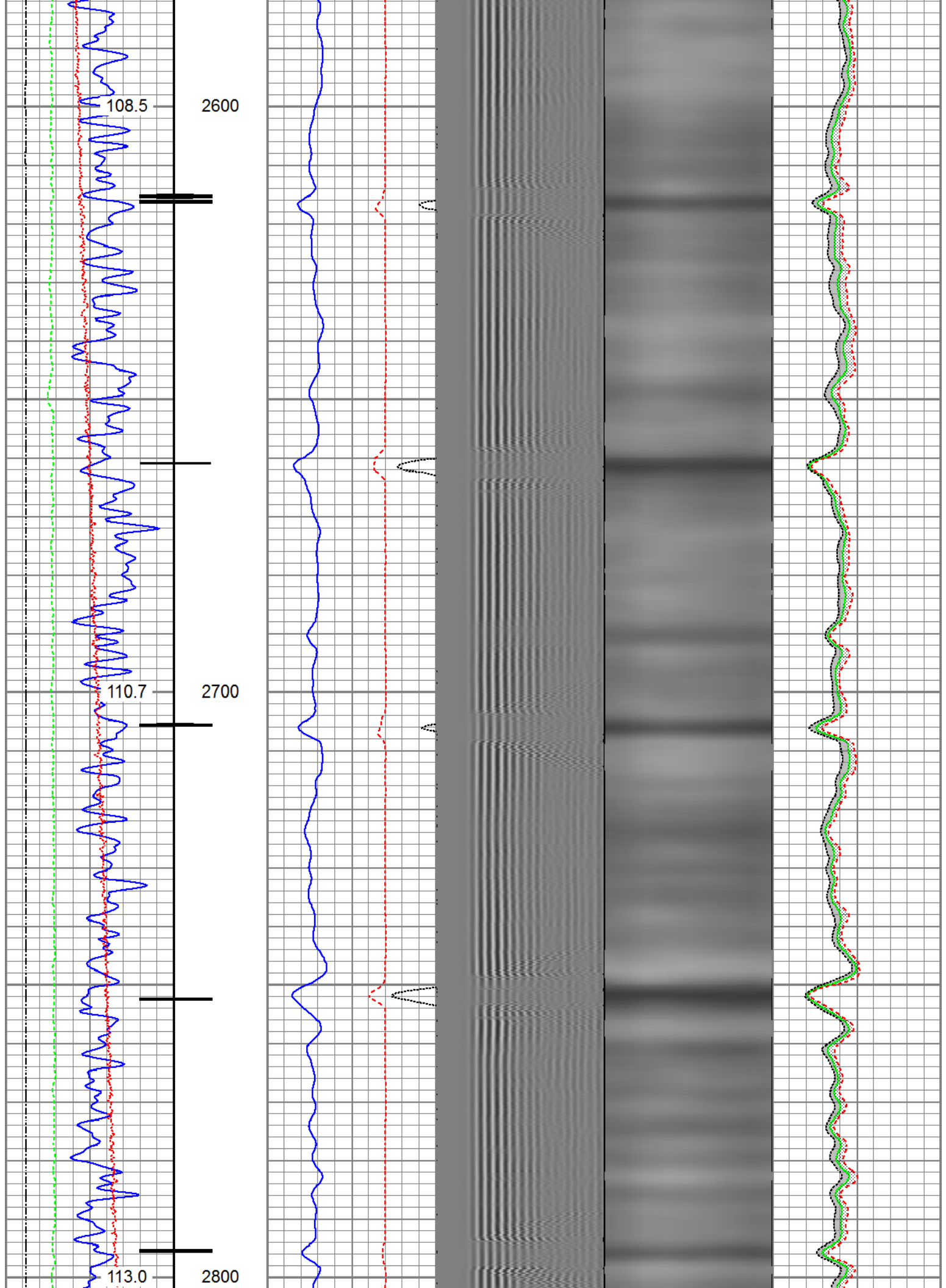




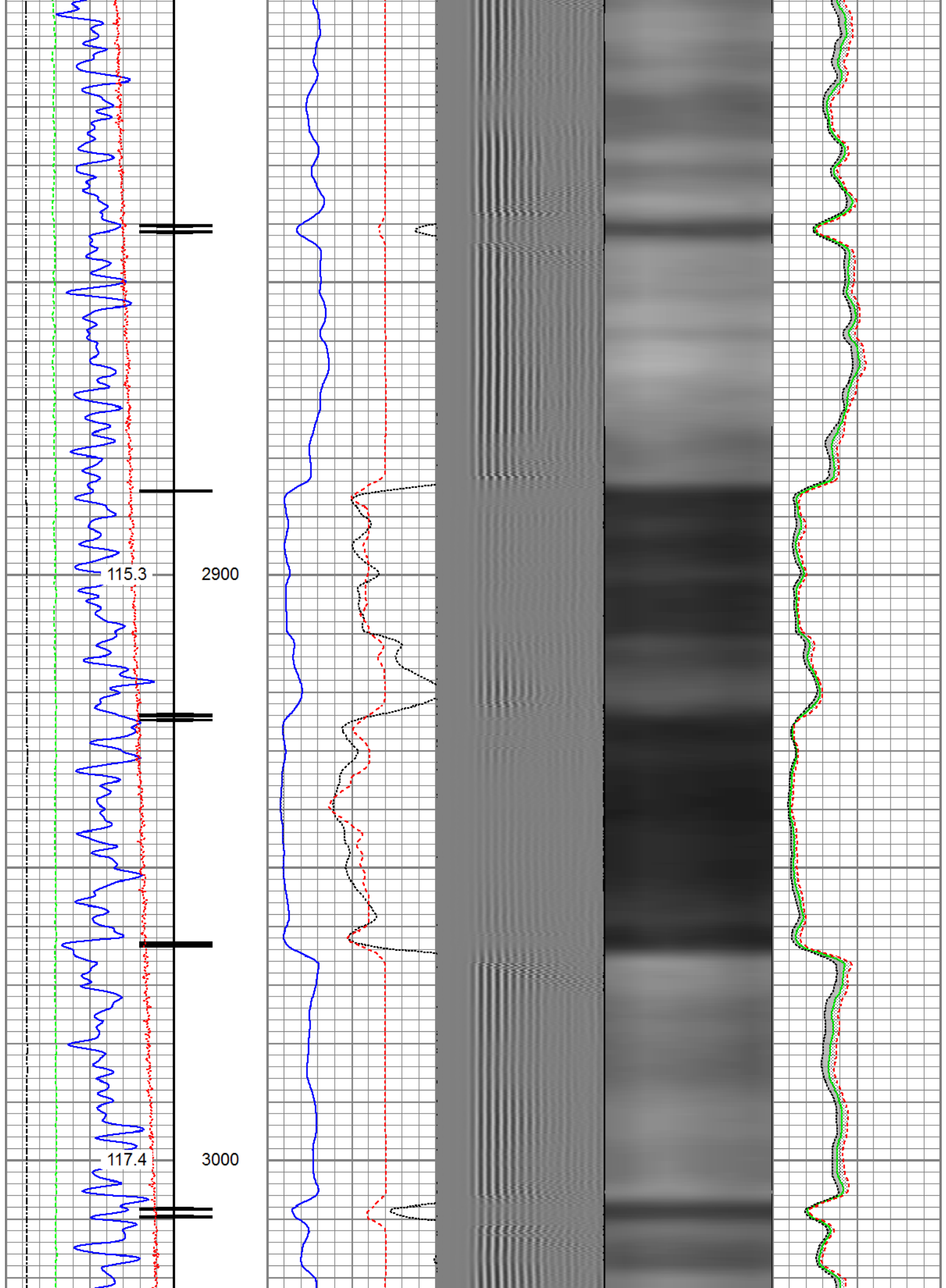


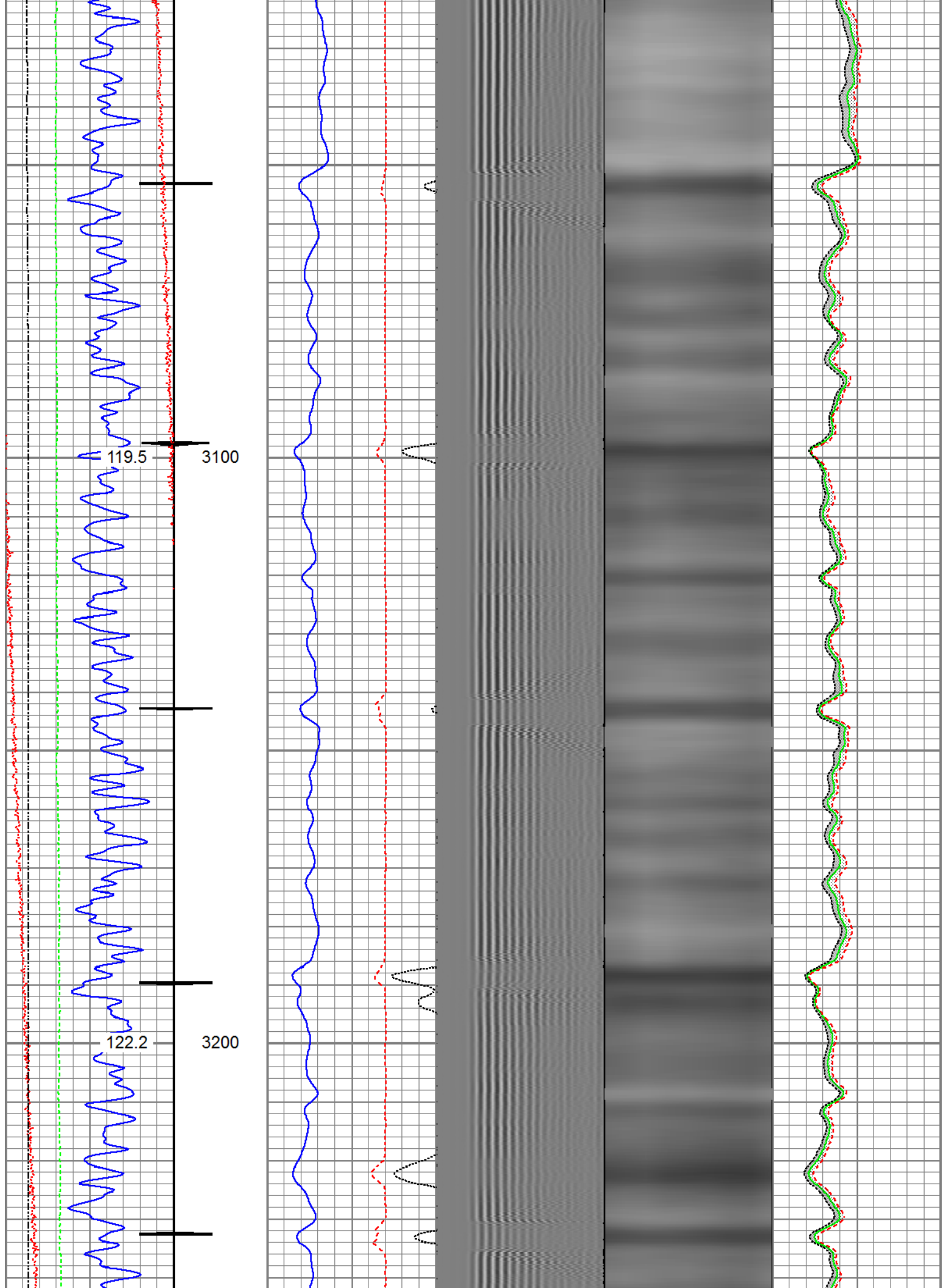


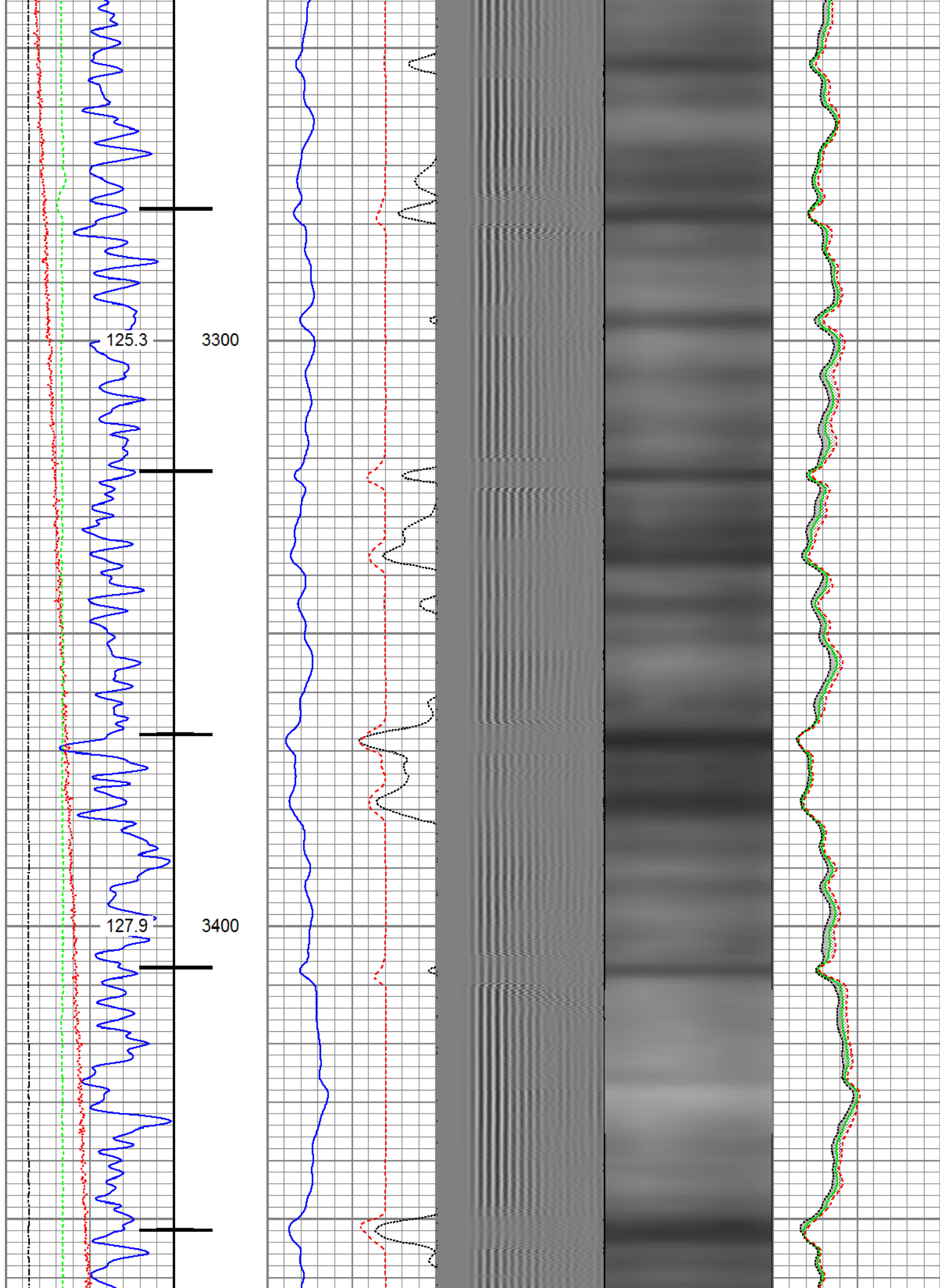


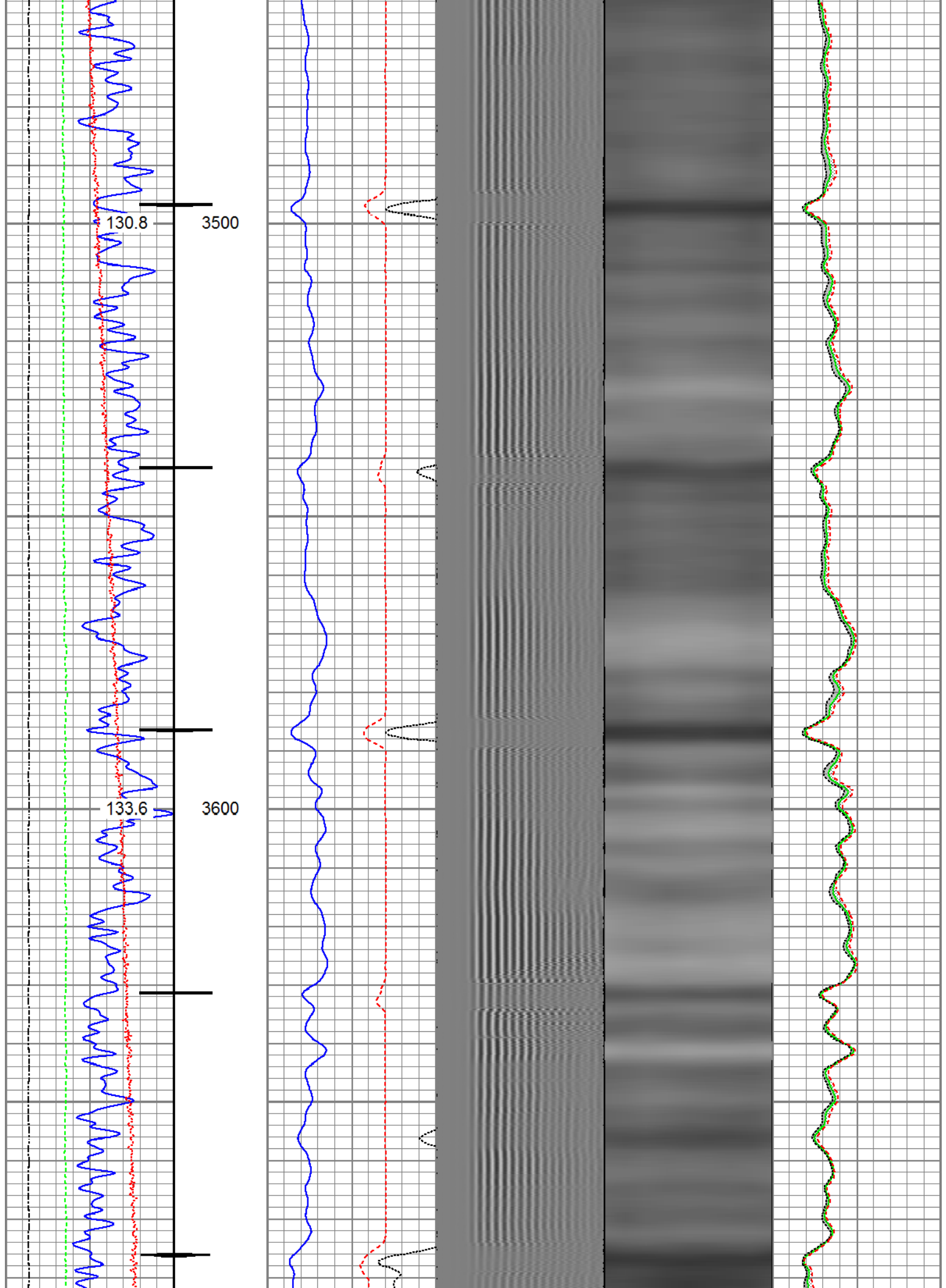


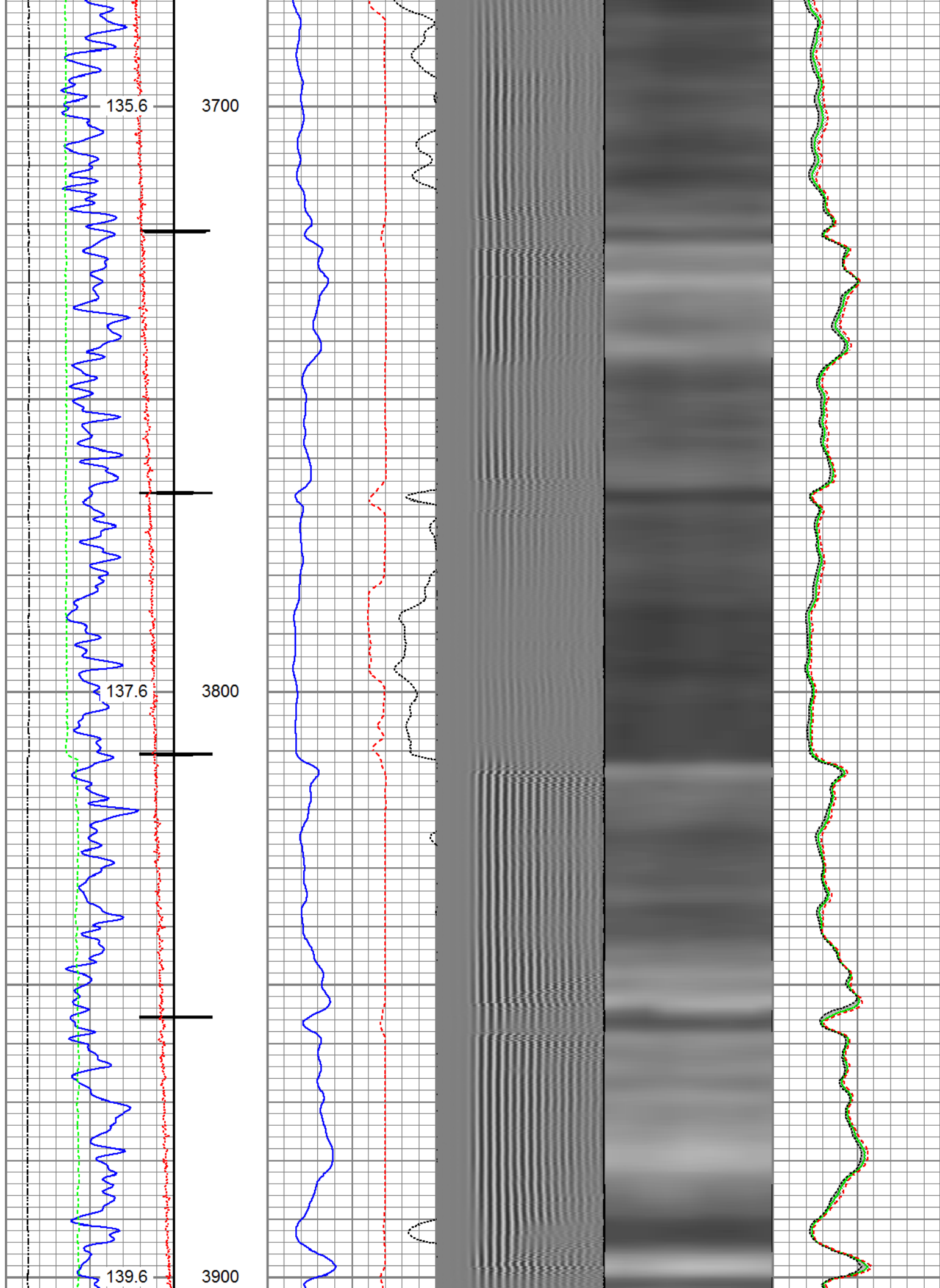




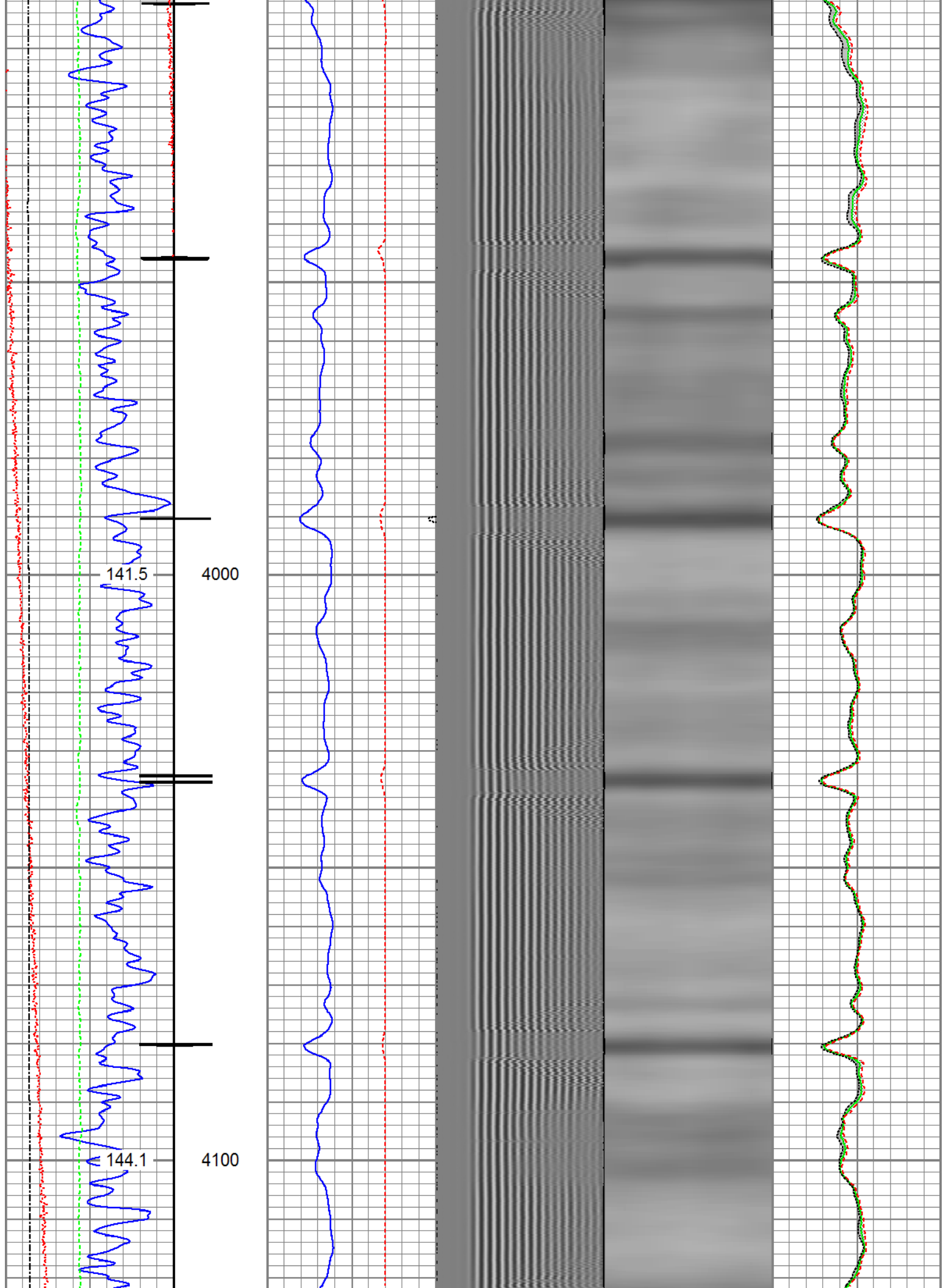


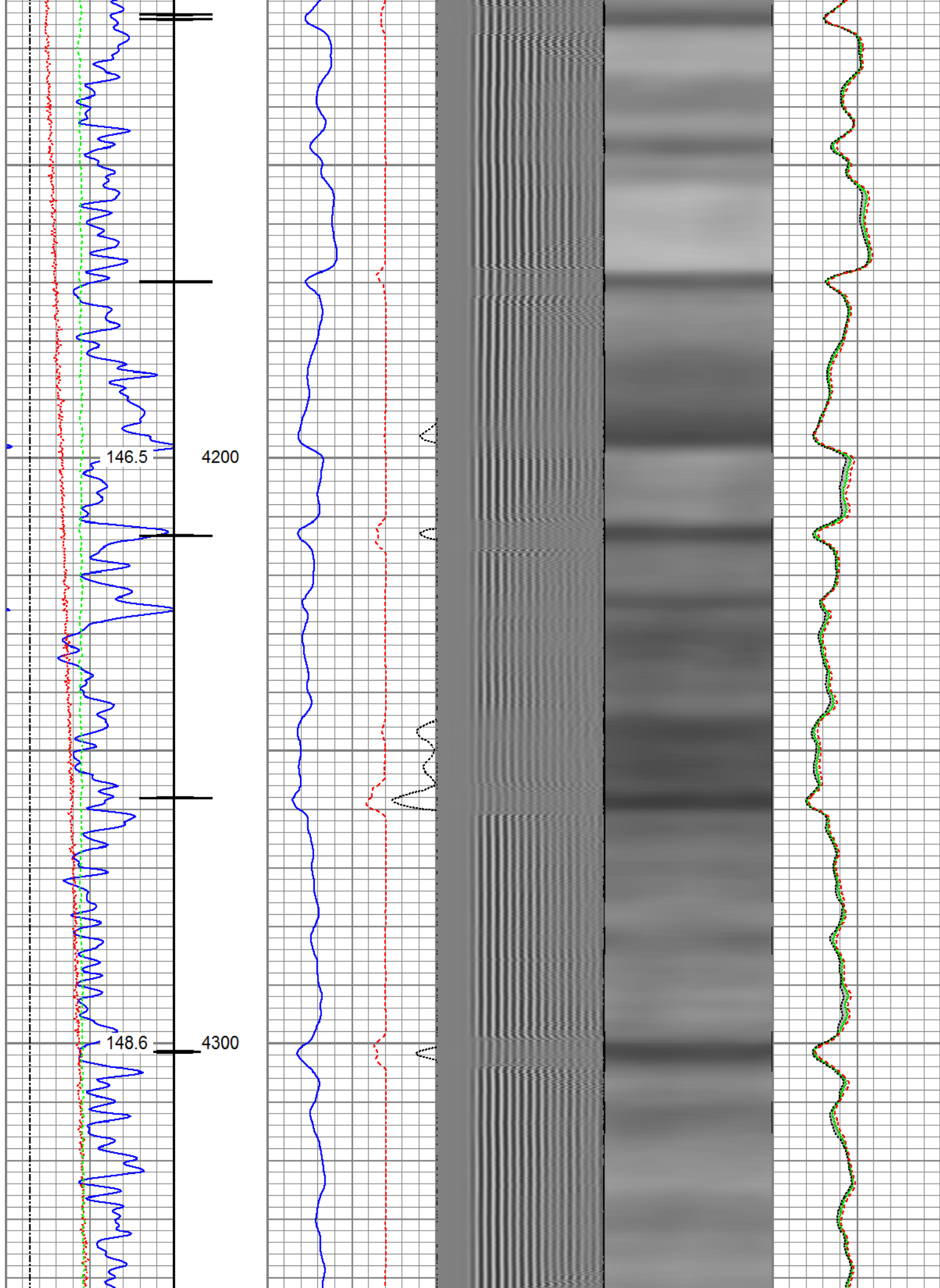


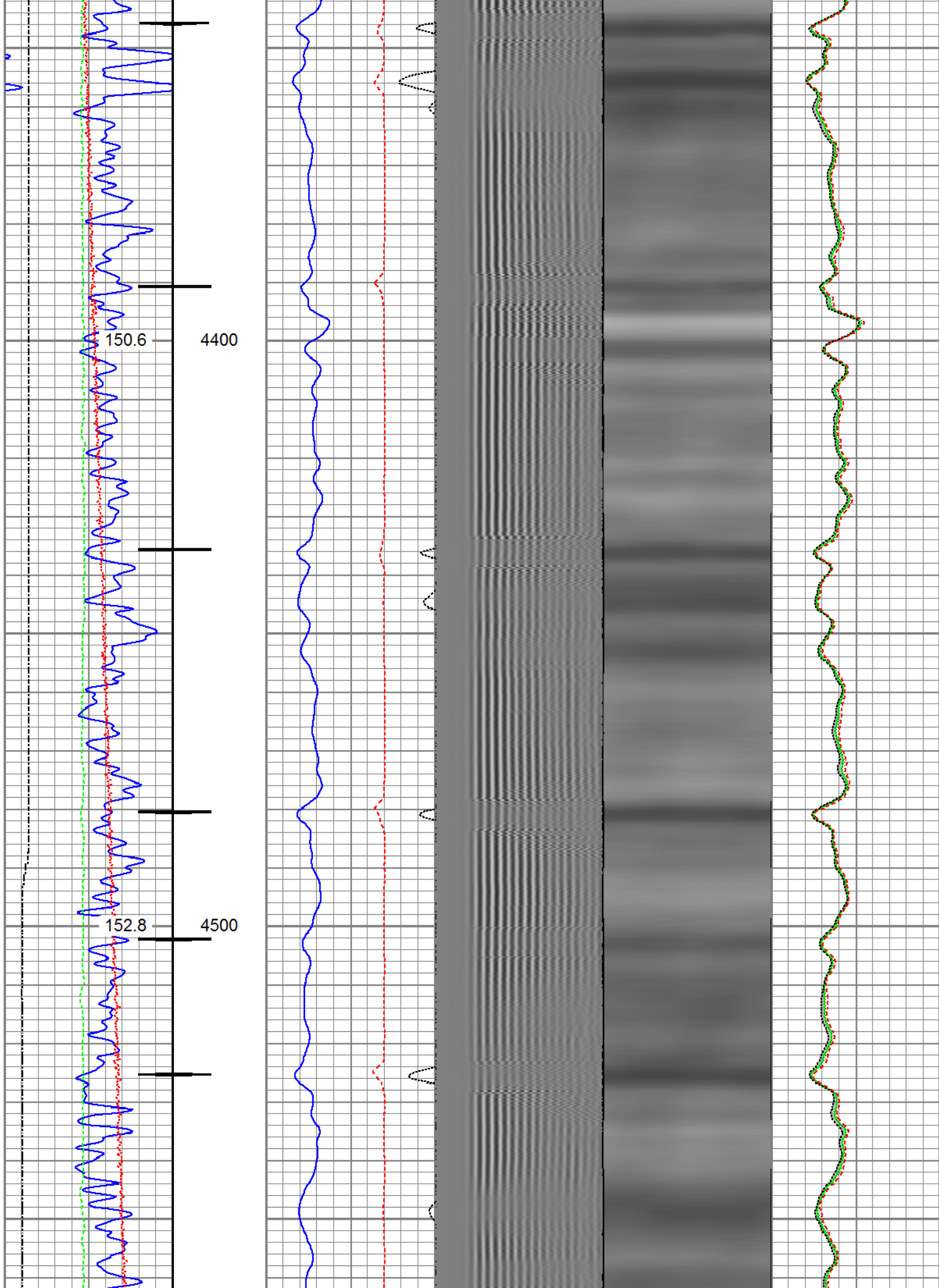


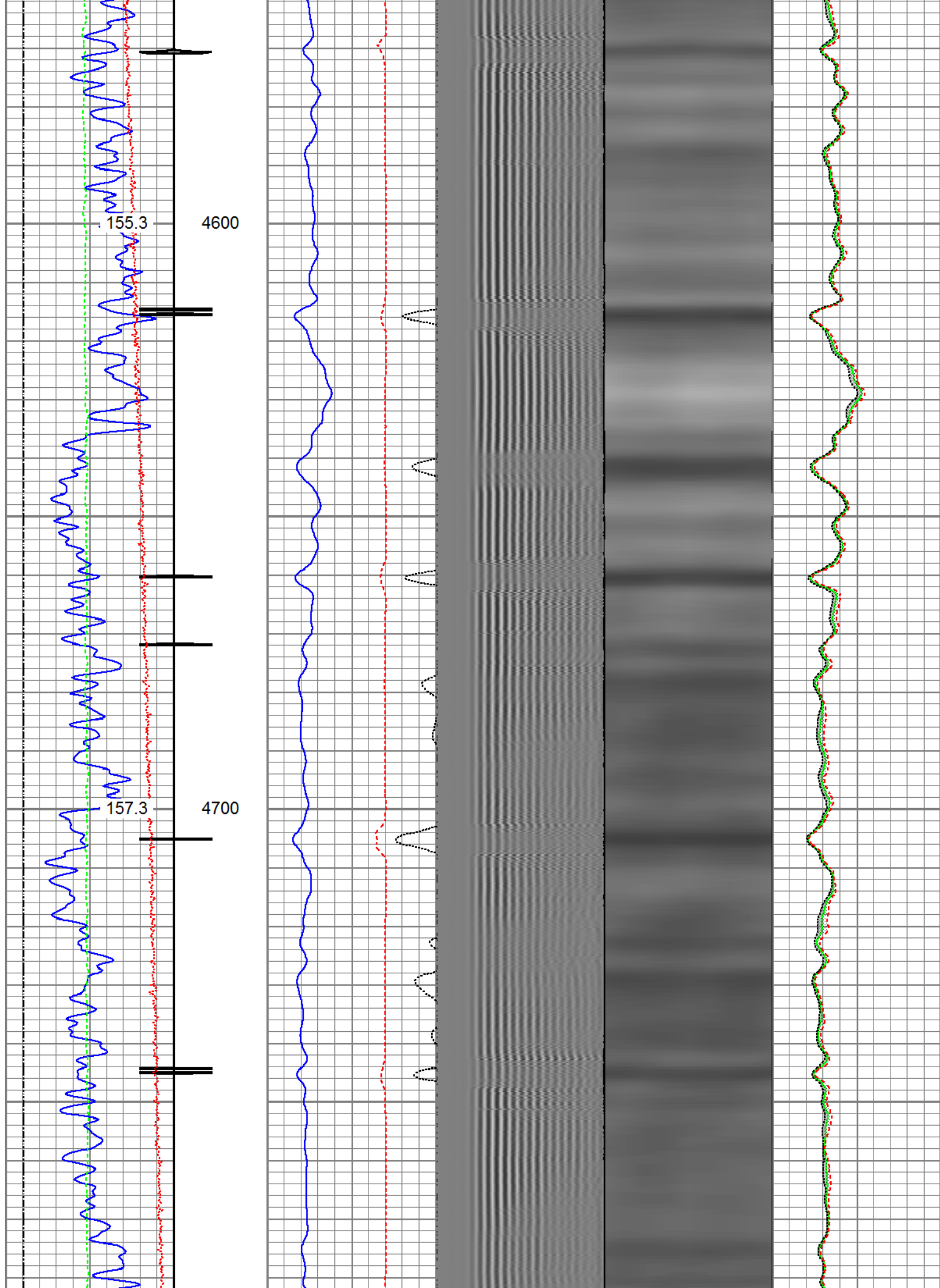


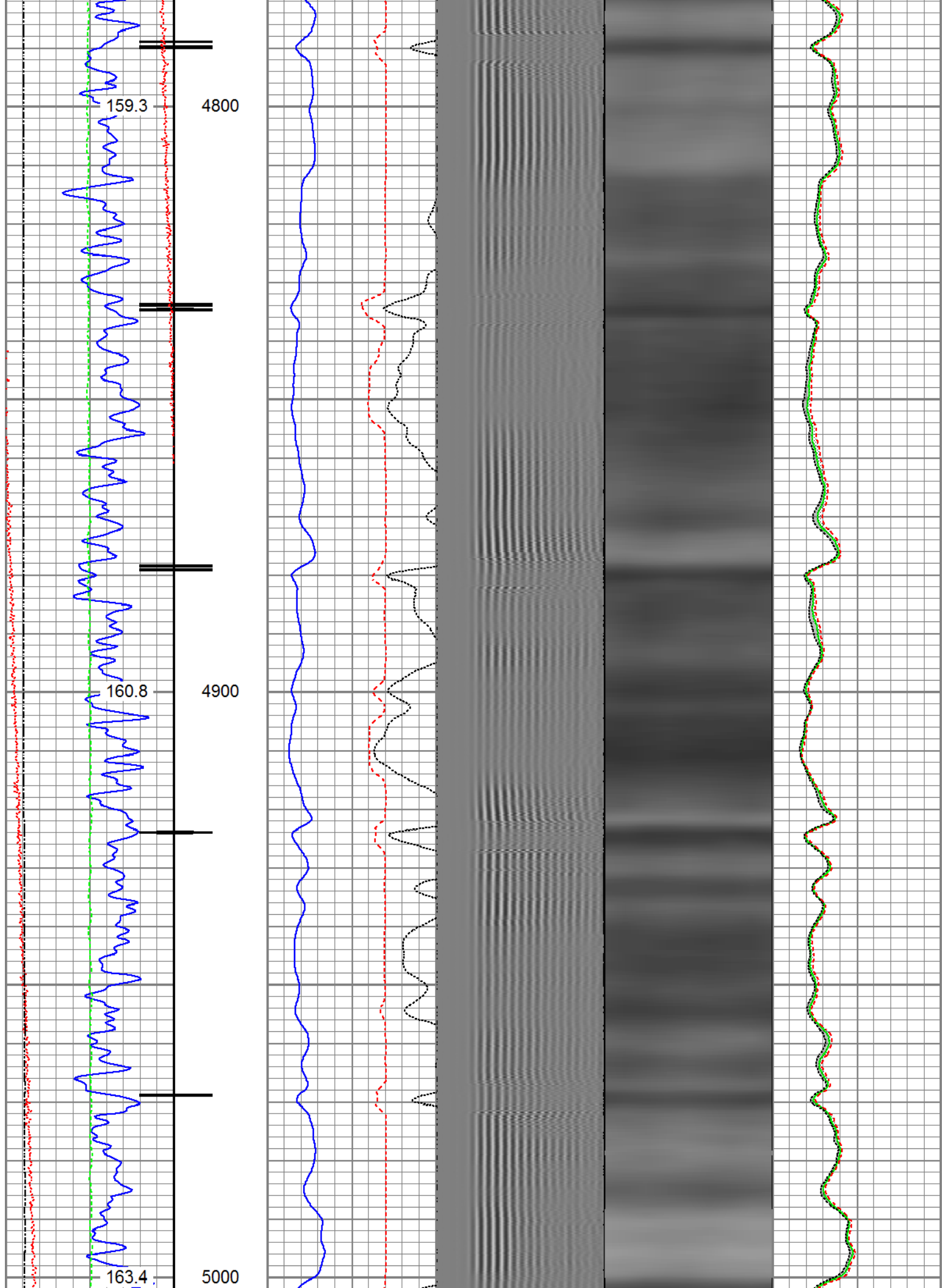




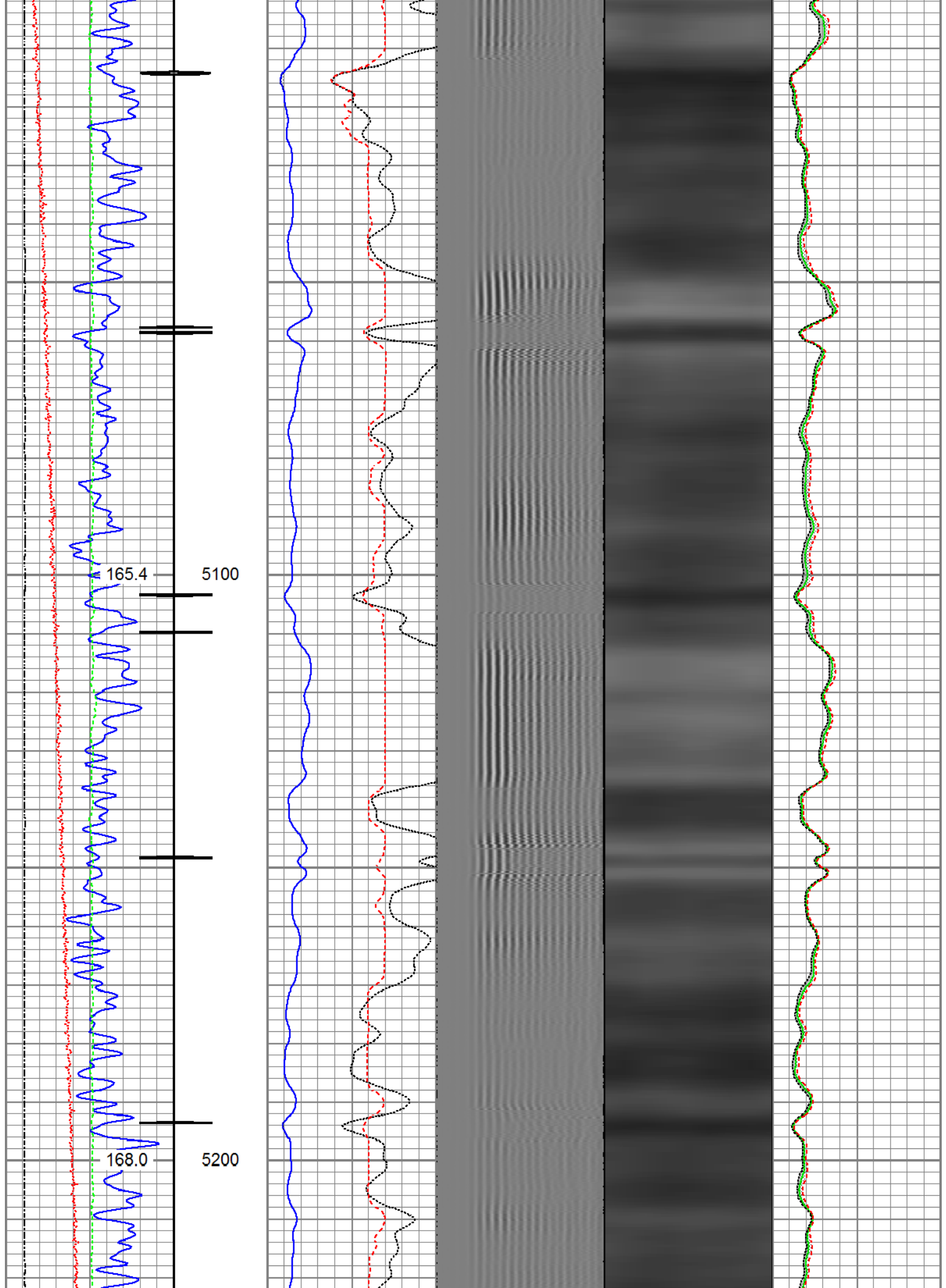


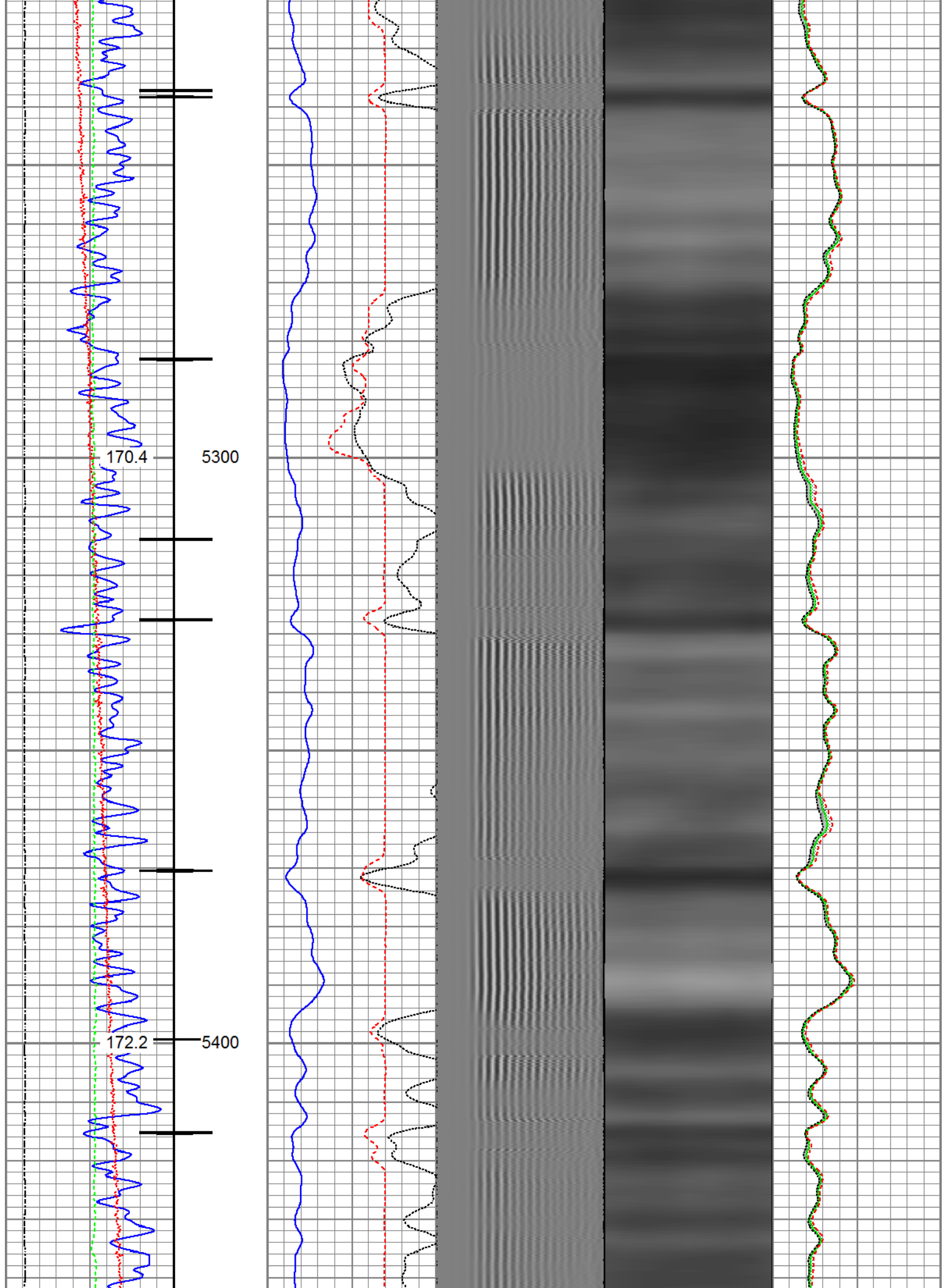


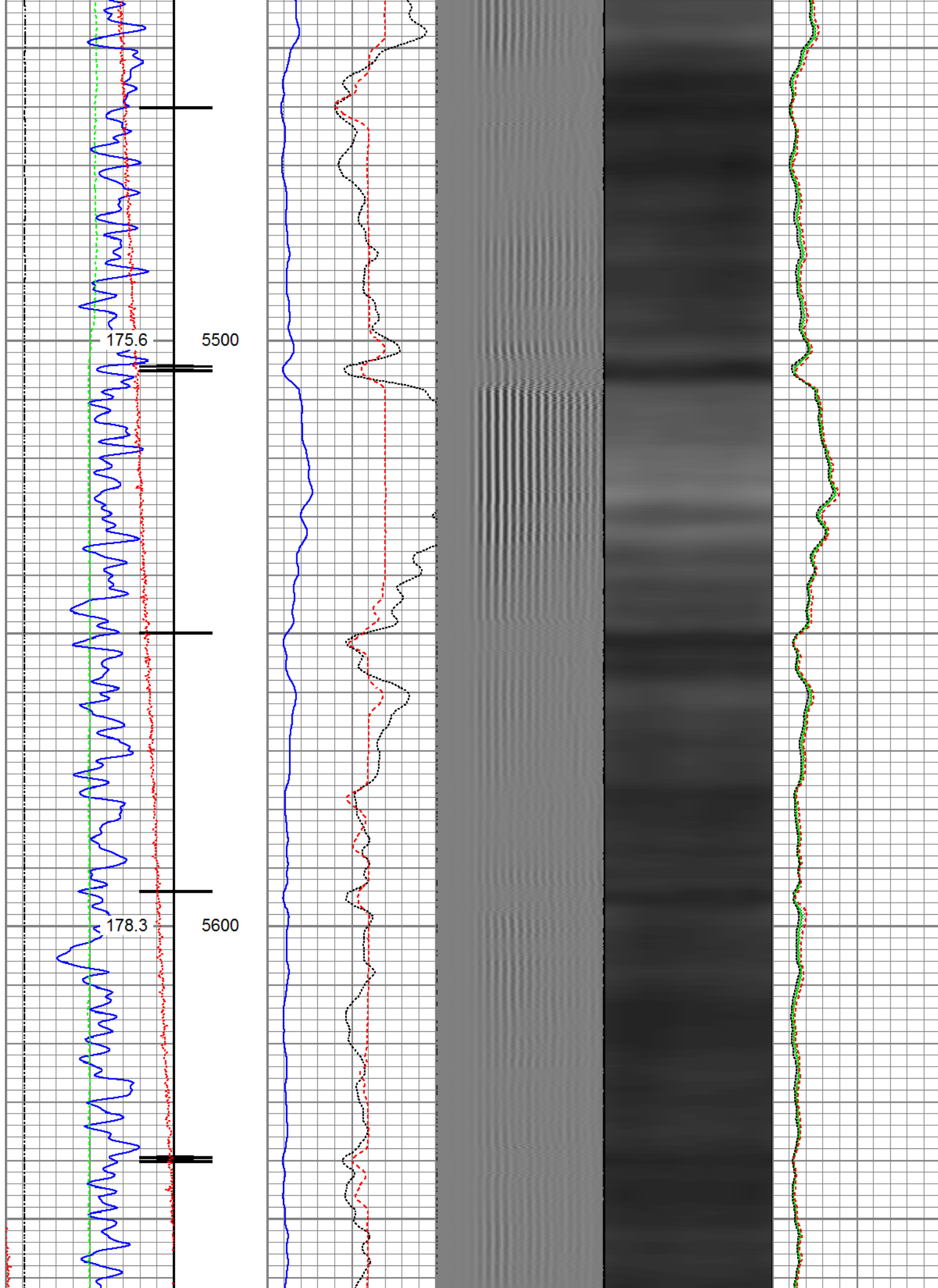


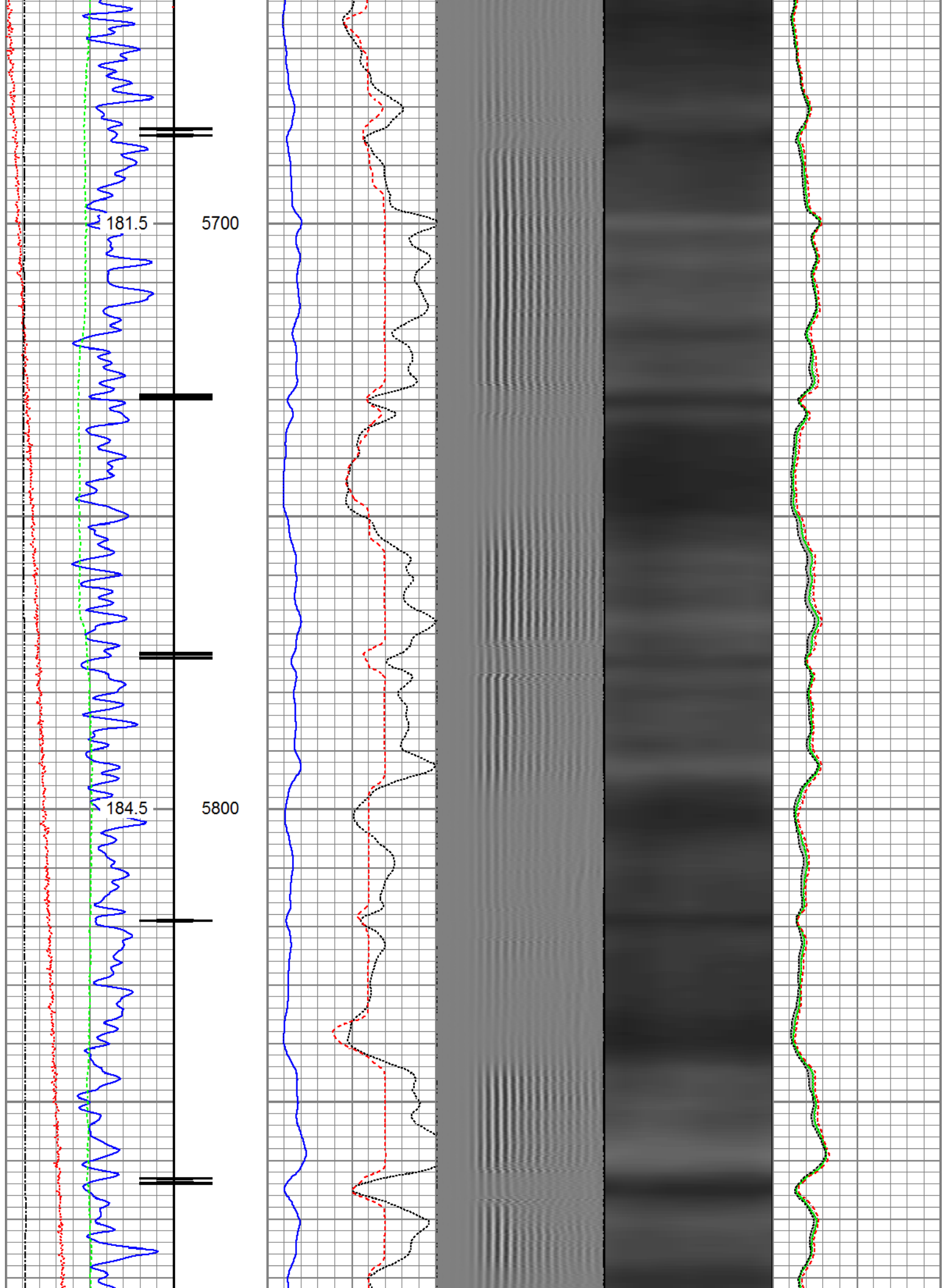


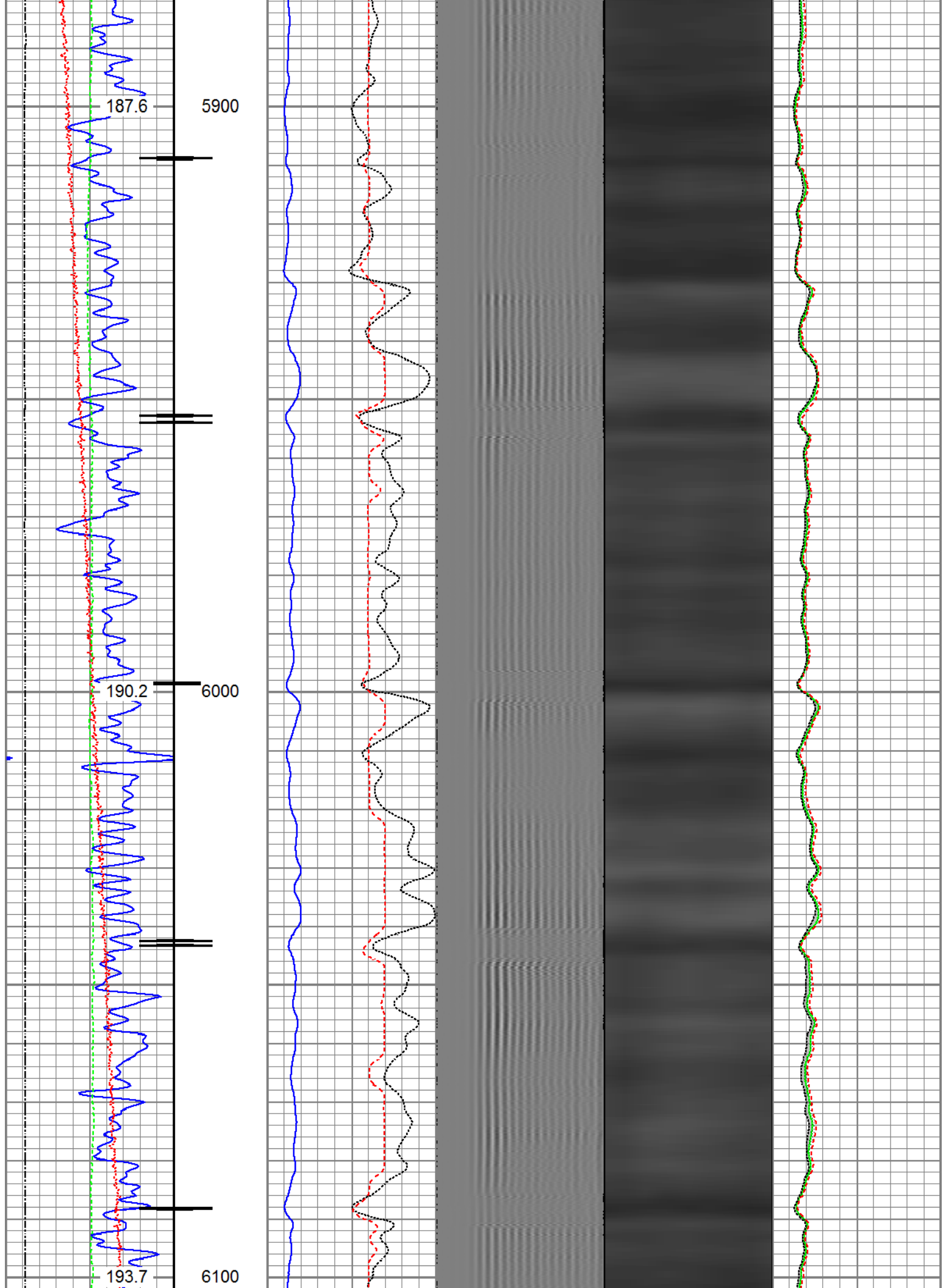




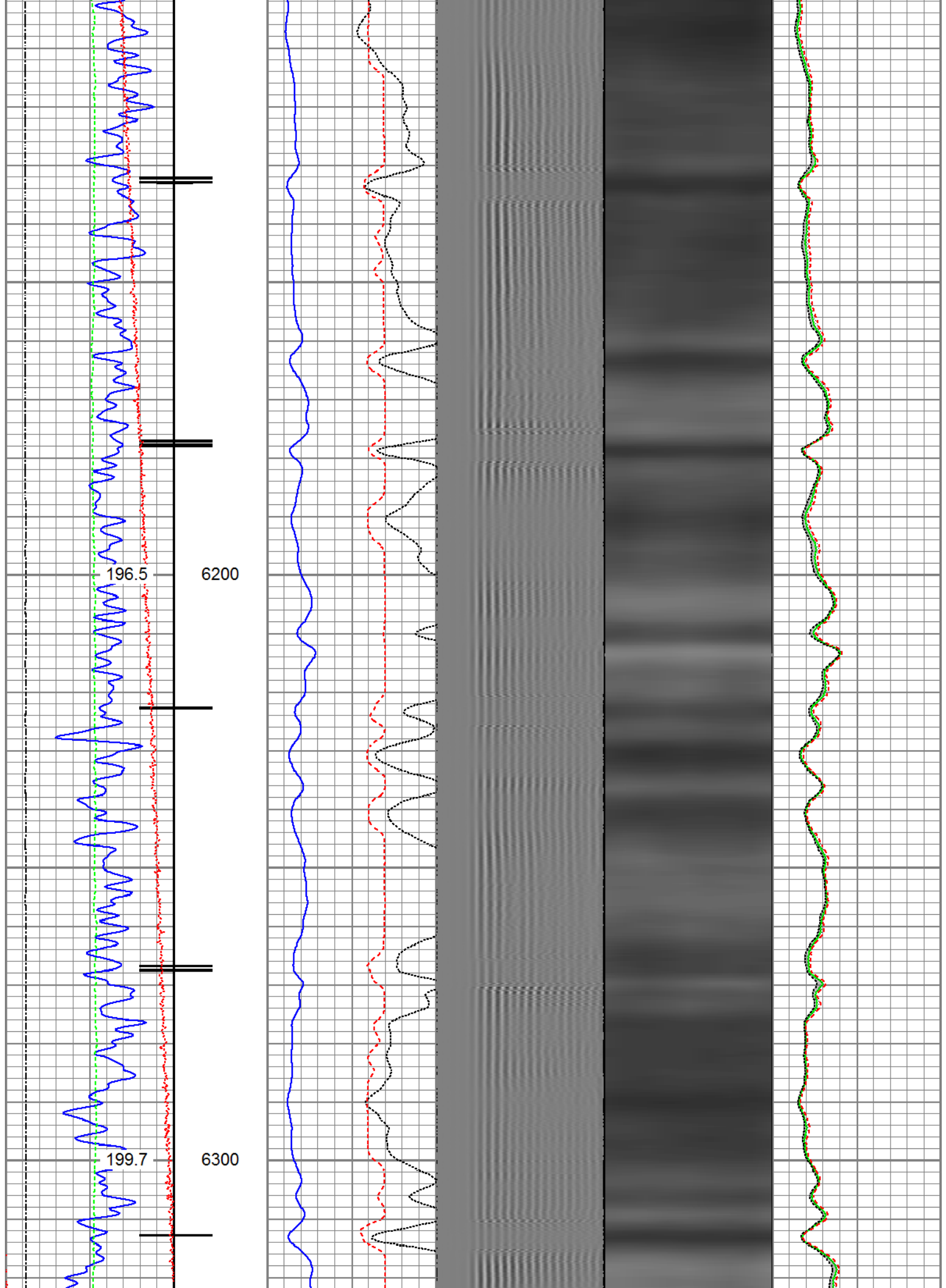


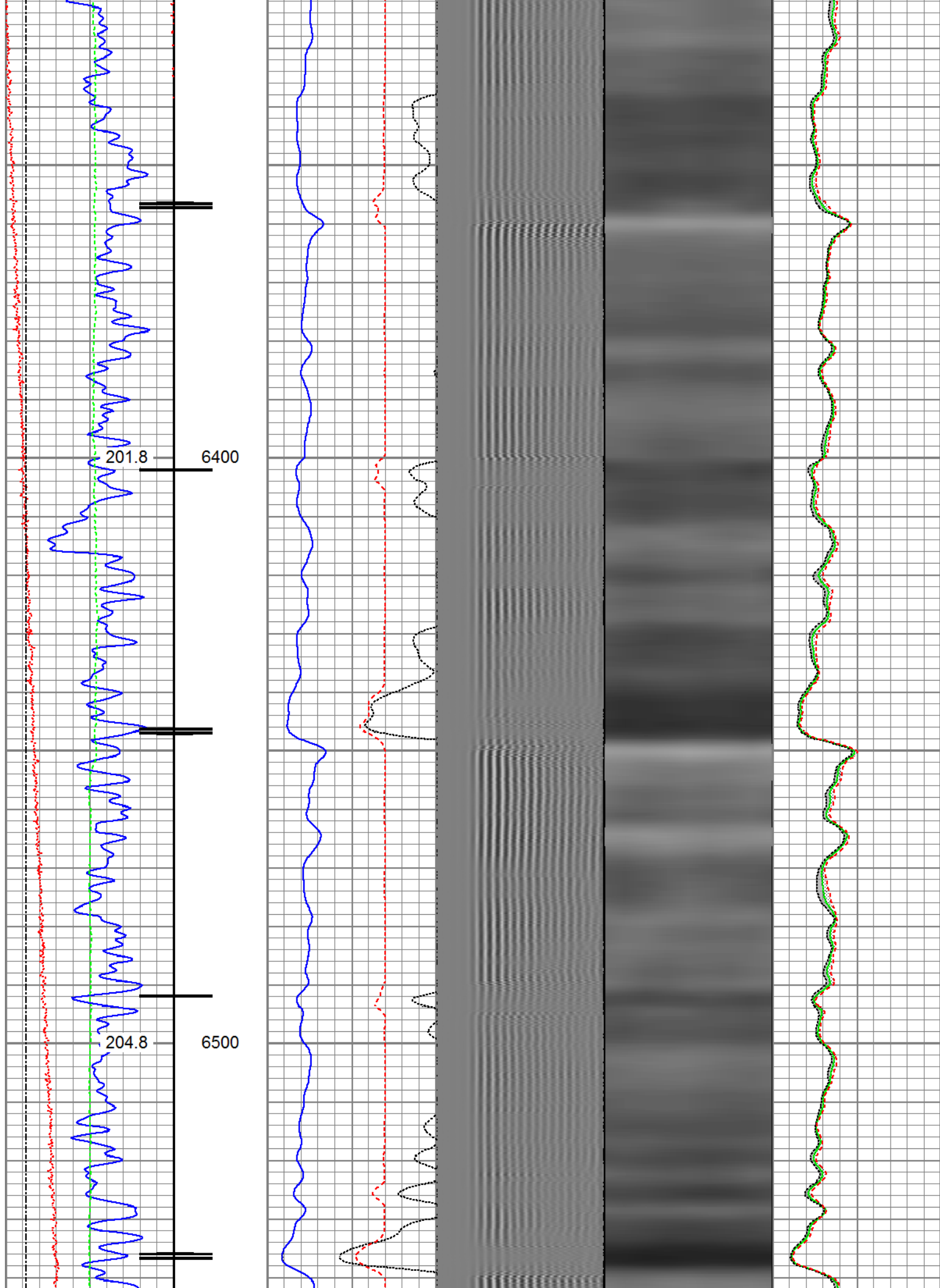


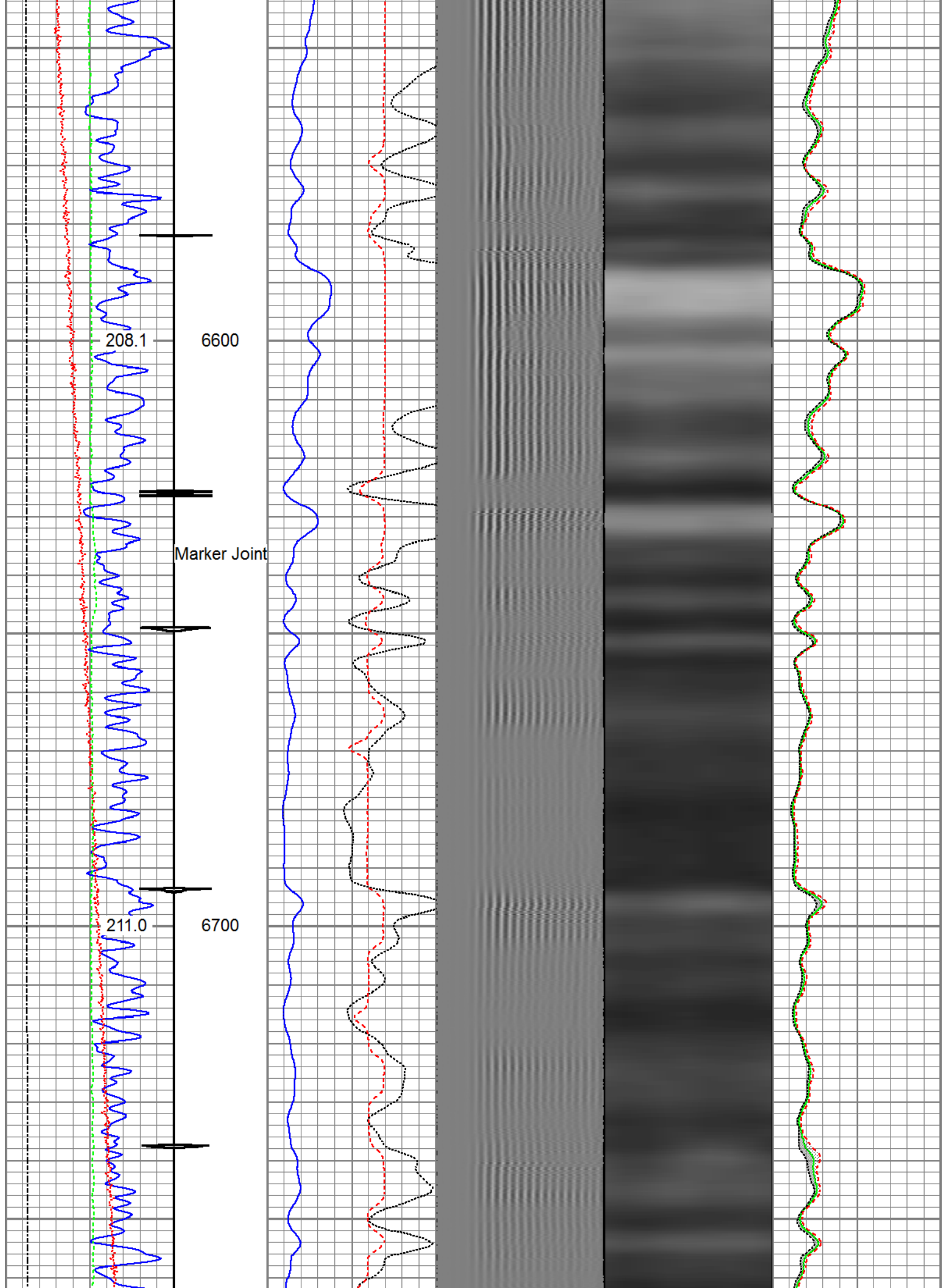


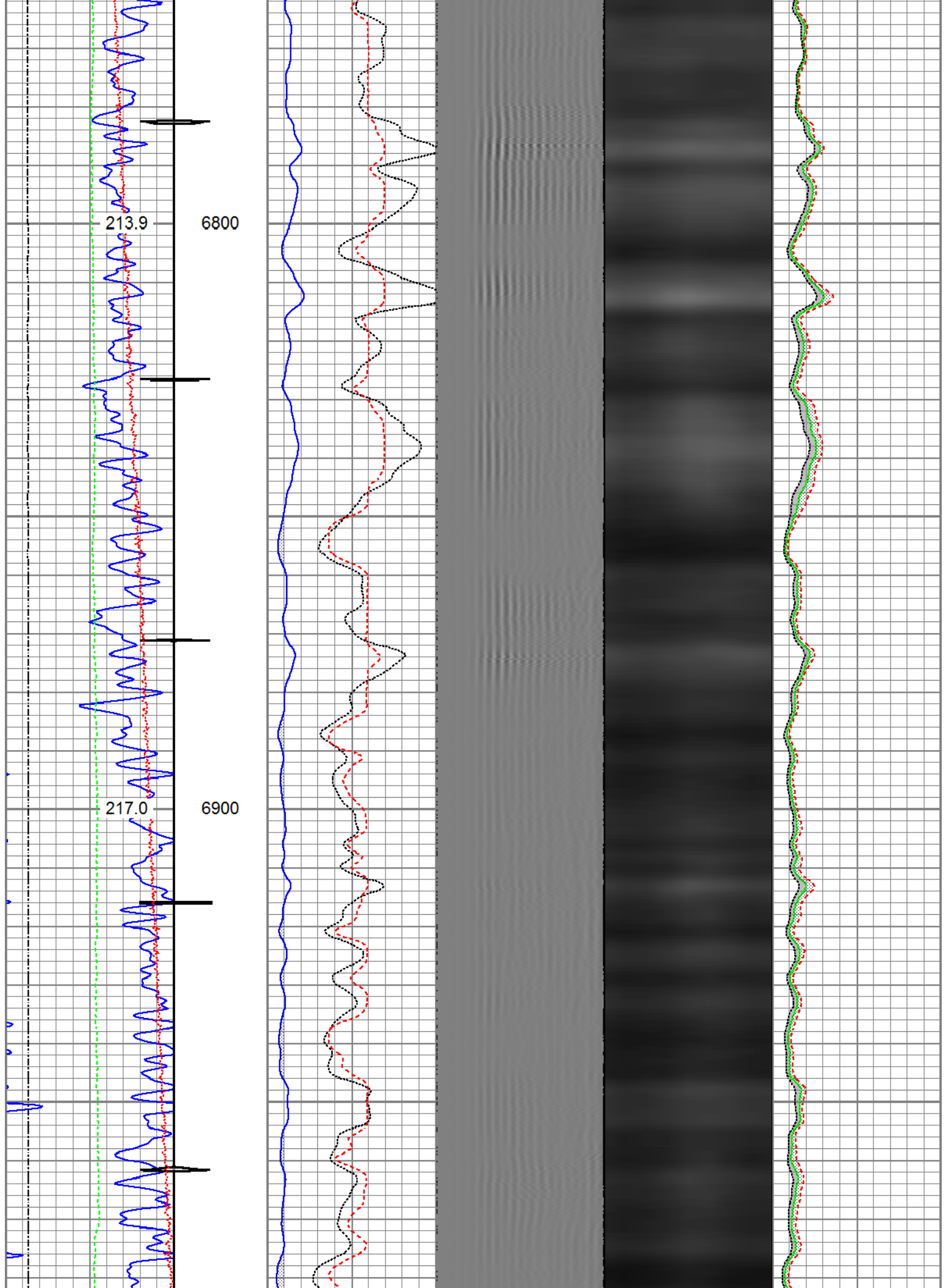


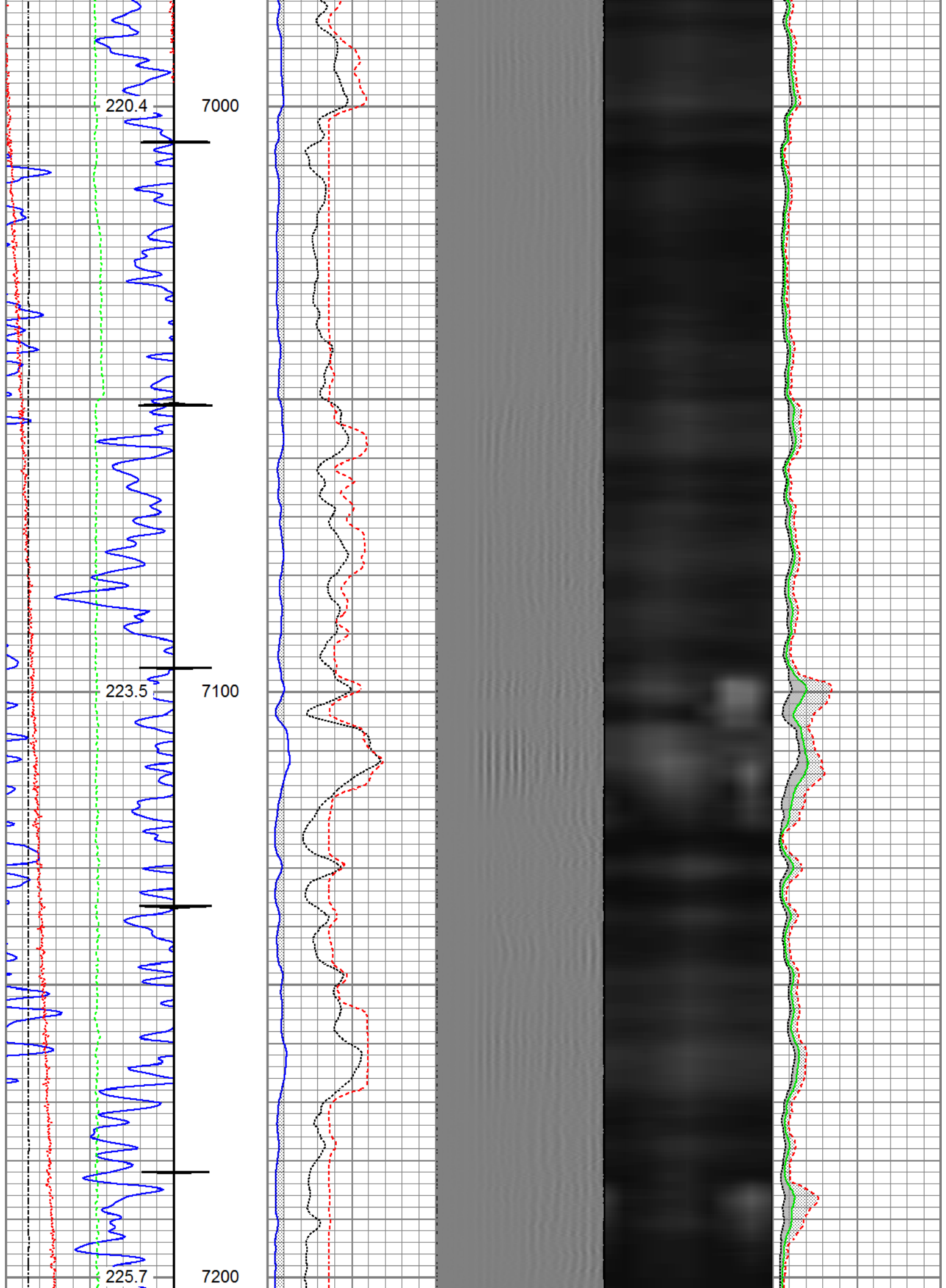




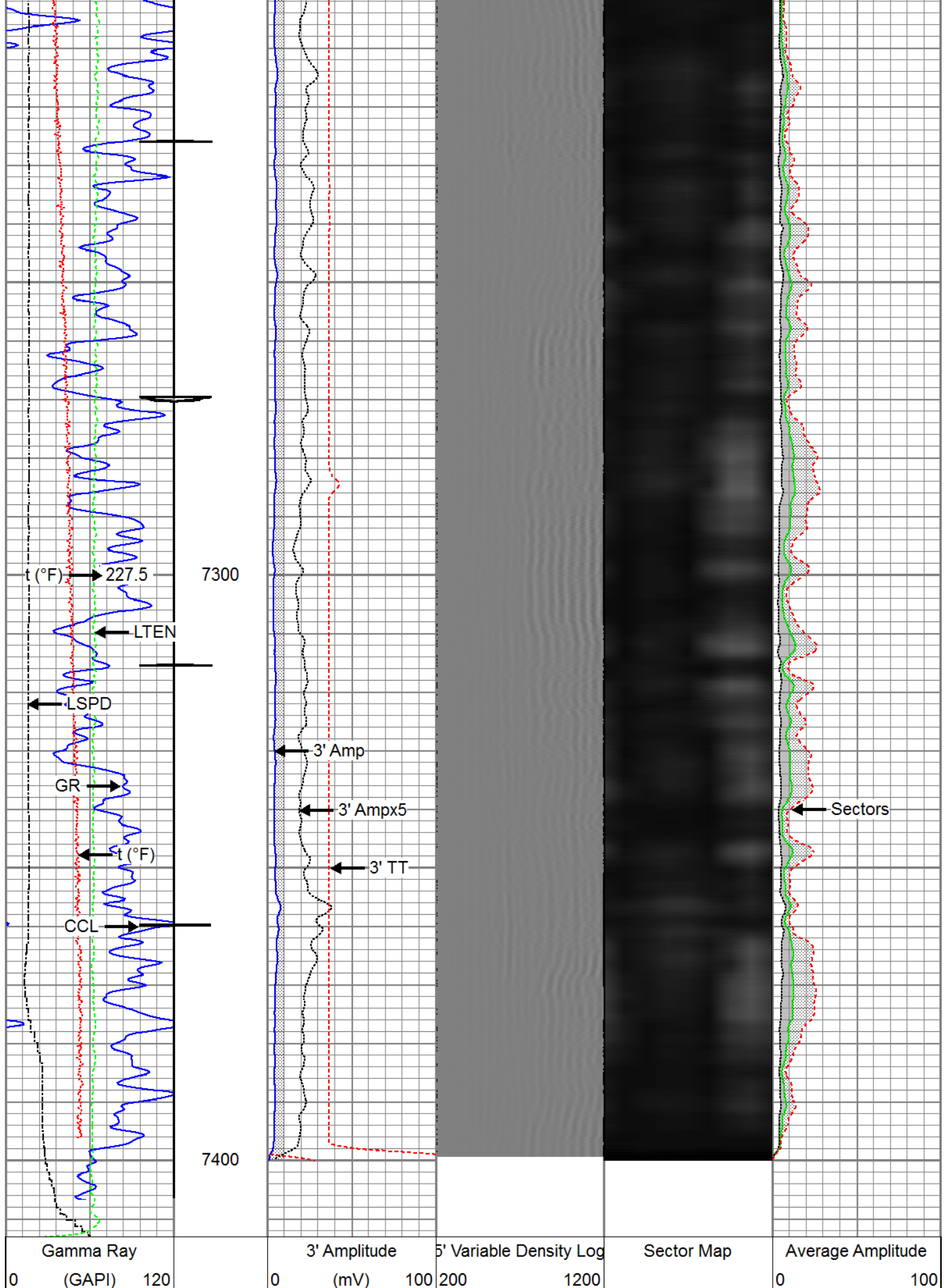












Casing Collar Locator	3' Amplitude x 5 0 (mV) 20	Minimum Amplitude 0 100
Temperature 0 (degF) 20	3' Travel Time 650 (usec) 150	Maximum Amplitude 0 100
Line Speed -150 (ft/min) 150		
Line Tension 0 (lb) 2000		

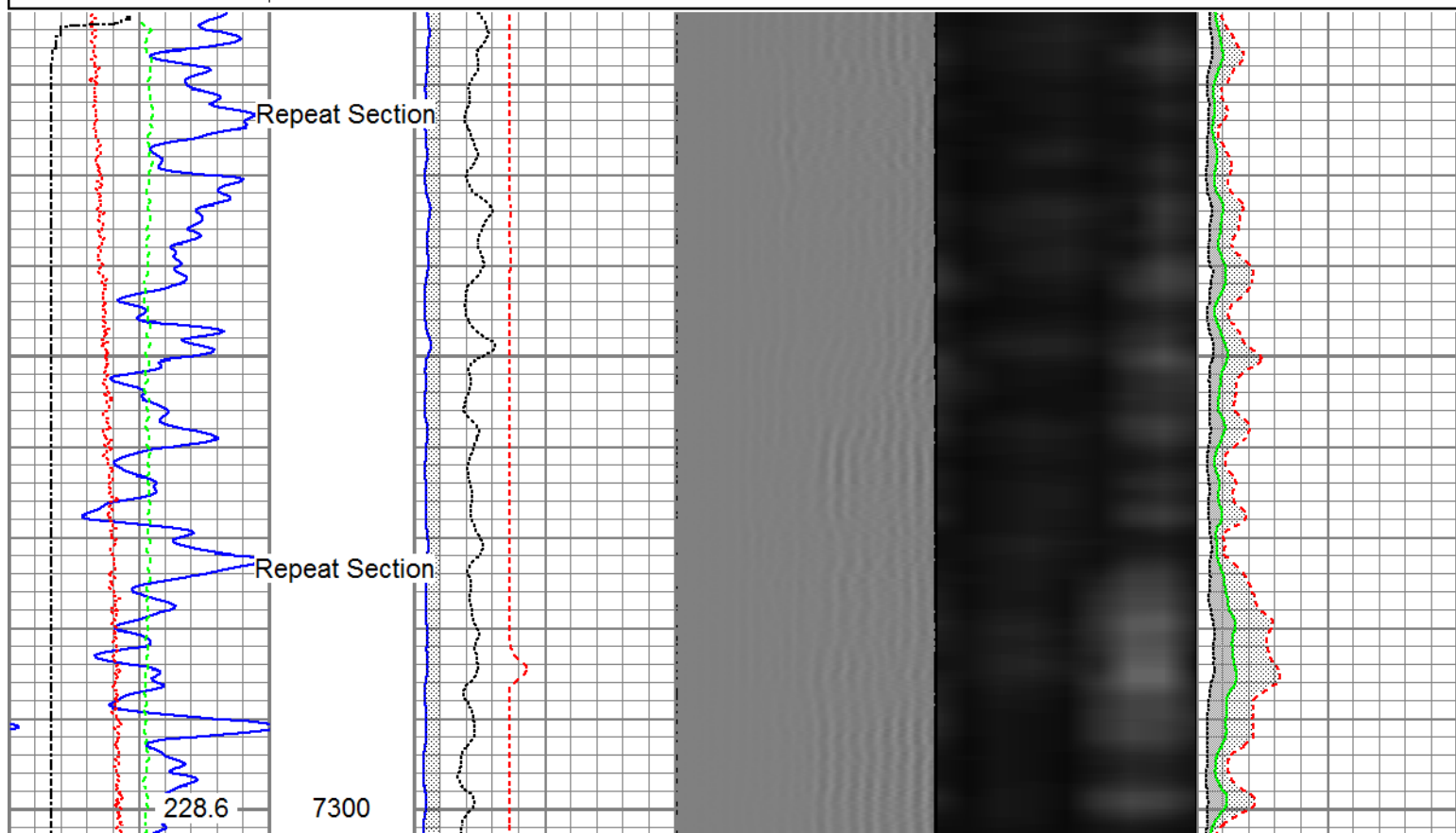


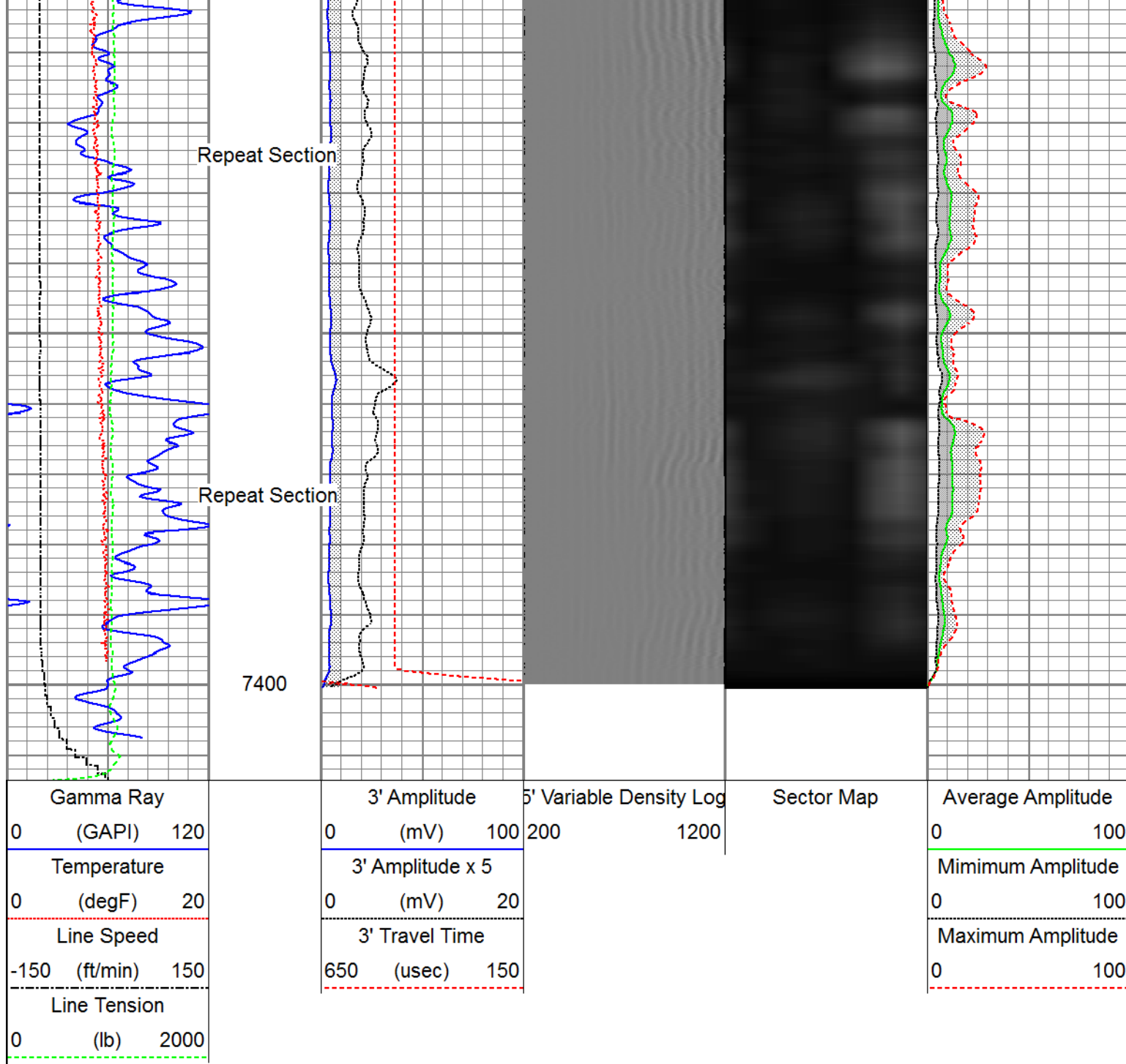
## Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

Database File anadarko\_wilson ranch 4c-27hz\_ 19-nov-16\_rcblprocessed\_0512341322\_anadarko\_wilson ranch 4c  
Dataset Pathname pass2.1  
Presentation Format ros\_radrii  
Dataset Creation Sun Nov 20 10:08:41 2016  
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				





WVFS8	14.55		Probe_RADII-C-P_RBT_2750 (FW1305-0989.19) Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe		2.75	105.00
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_ELine_BowSpring_Centralizer-P_EB52.8875 Probe 2-3/4" Electric Inline Bowspring Centralizer		2.75	20.00
CCL	6.51					
GR	3.77		Probe_GR_CCL-P_CGR_2750_S (FW1211-4.54) Probe 2-3/4" Digital CCL / Gamma Ray Combined		2.75	55.00
			Probe_ELine_BowSpring_Centralizer-P_EB52.8875 Probe 2-3/4" Electric Inline Bowspring Centralizer		2.75	20.00
Dataset: PROCESSED_0512341322_Anadarko_Wilson Ranch 4C-27HZ_ 11-19-16_RBL.db: field/well/run1/merge1.1 Total length: 23.40 ft Total weight: 225.40 lb O.D.: 2.75 in						

Calibration Report		
Database File	C:\ProgramData\Warrior\Data\anadarko_wilson ranch 4c-27hz_ 19-nov-16_rcbl\PROCESSED_0512341322_Anadarko_Wilson Ranch 4C-27HZ_ 11-19-16_RBL.db: field/well/run1/merge1.1	
Dataset Pathname	merge1.1	
Dataset Creation	Sat Nov 19 12:06:32 2016	
Gamma Ray Calibration Report		
Serial Number:	FW1211-081	
Tool Model:	P_CGR_2750_S	
Performed:	Sat Feb 06 11:31:52 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: FW1305-098  
Tool Model: P\_RBT\_2750

Calibration Casing Diameter: 5.500 in  
Calibration Depth: 56.886 ft

## Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.000	0.097	0.800	71.921	732.954	0.834
CAL	0.004	0.117				
5'	0.000	0.084	0.800	71.921	850.165	0.705
SUM						
S1	0.000	0.098	0.000	100.000	1018.285	-0.014
S2	0.000	0.107	0.000	100.000	940.285	-0.186
S3	-0.000	0.108	0.000	100.000	929.831	0.009
S4	0.000	0.103	0.000	100.000	971.226	-0.168
S5	0.000	0.098	0.000	100.000	1018.285	-0.126
S6	-0.000	0.095	0.000	100.000	1047.515	0.037
S7	0.000	0.094	0.000	100.000	1063.896	-0.144
S8	-0.000	0.095	0.000	100.000	1048.063	0.024

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

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.117	1.000	0.000

## Air Zero Calibration, performed Sat Nov 19 09:19:56 2016:

	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	0.004		0.000		-0.000	



Company Kerr-McGee Oil & Gas Onshore, L.P.  
Well Wilson Ranch 4C-27HZ  
Field Wattenberg  
County Weld  
State Colorado



could add