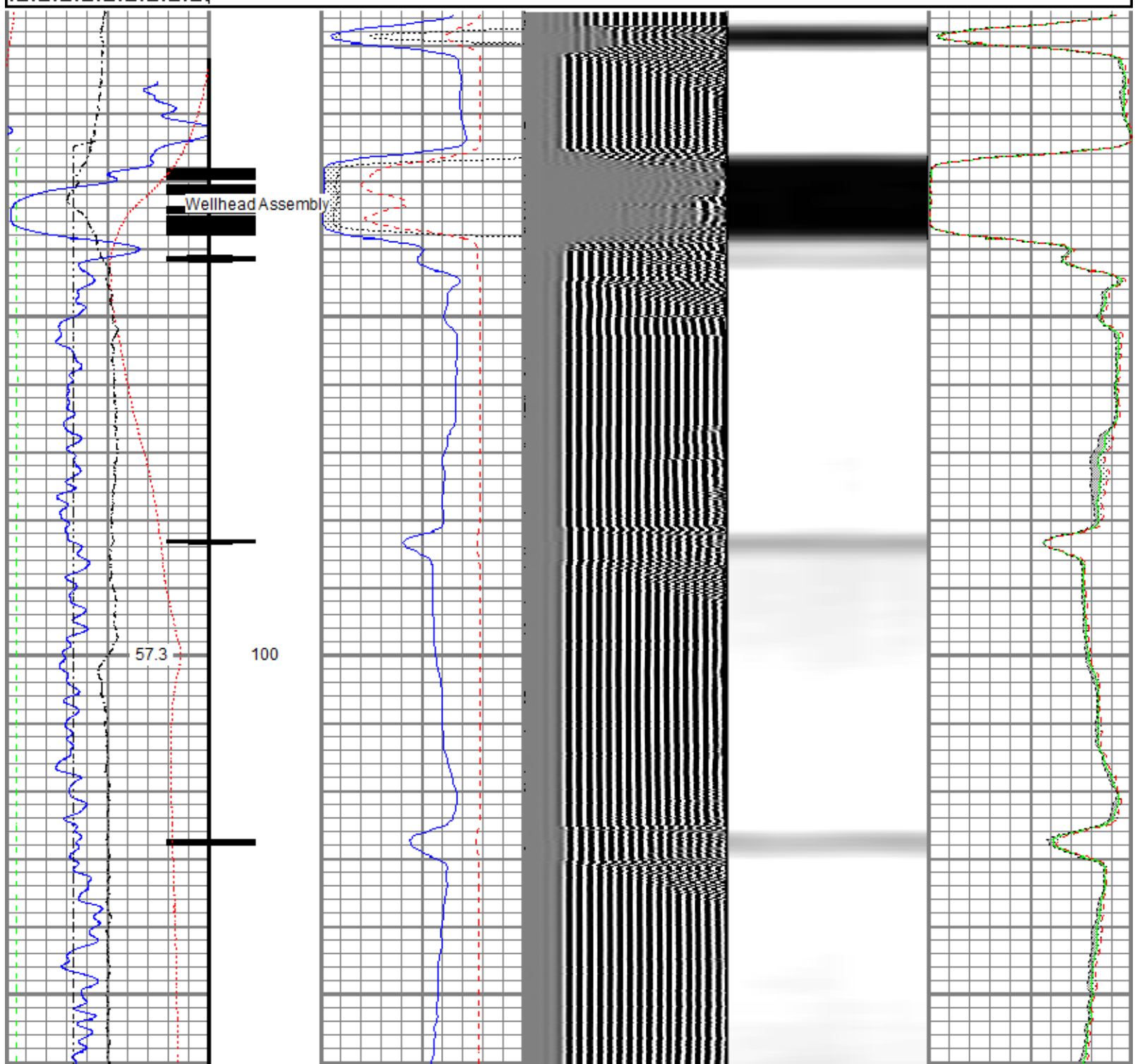
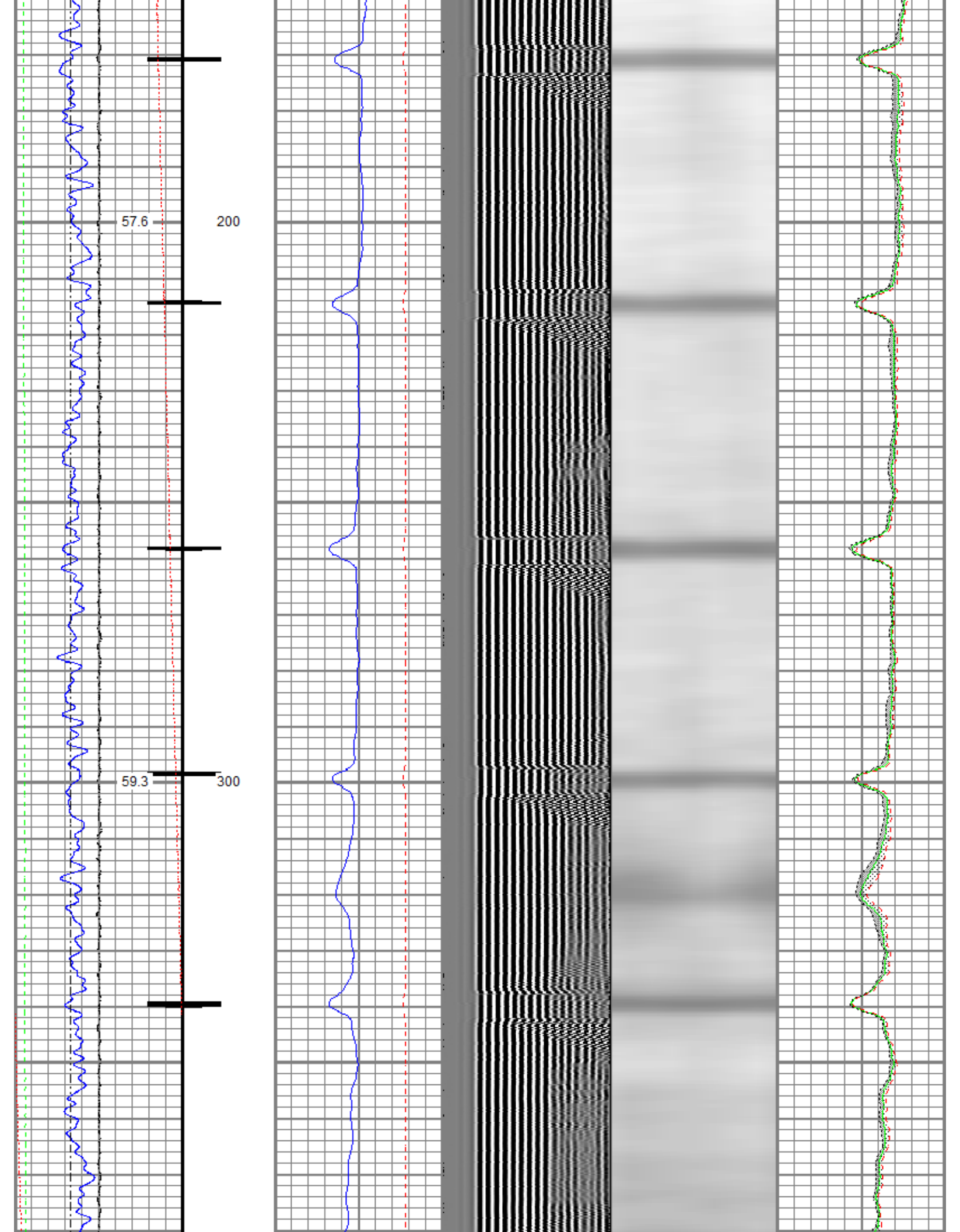
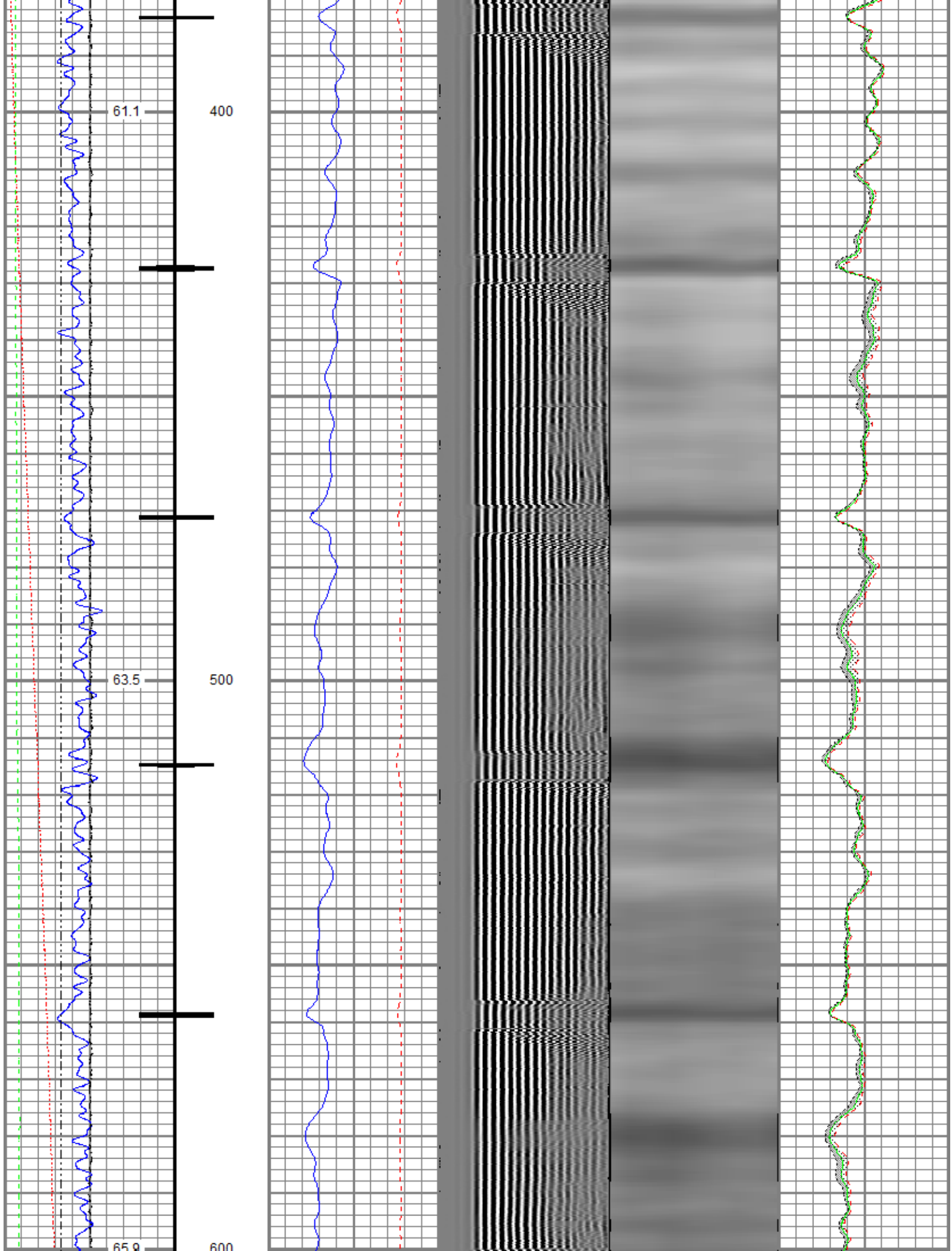


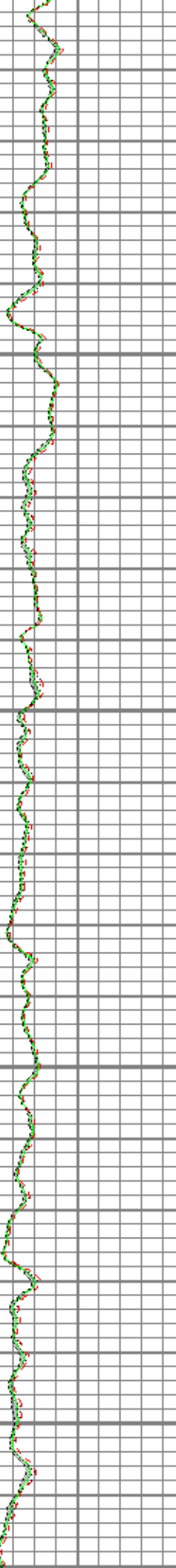
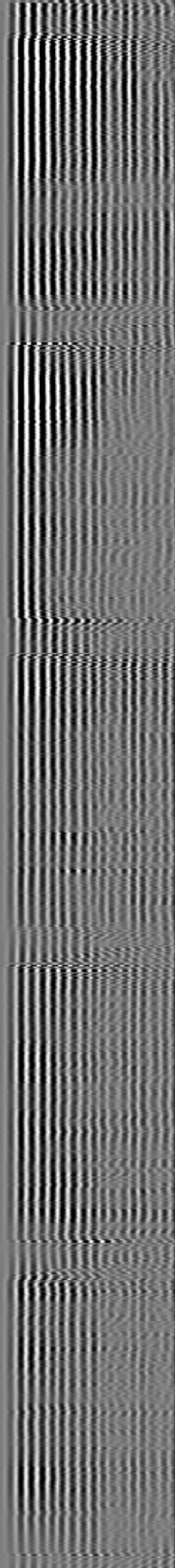
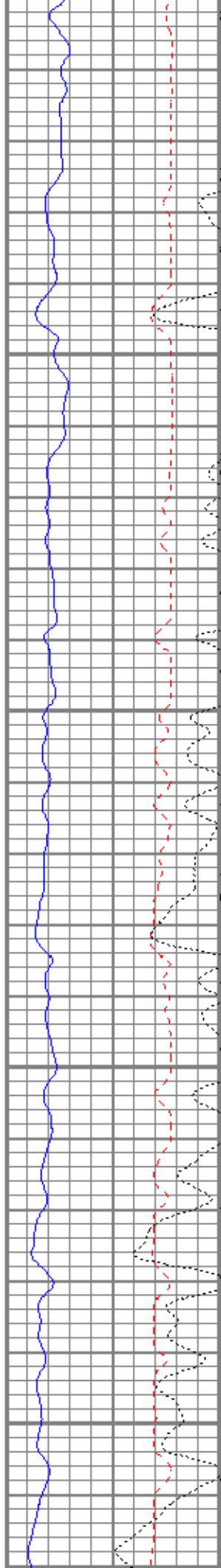
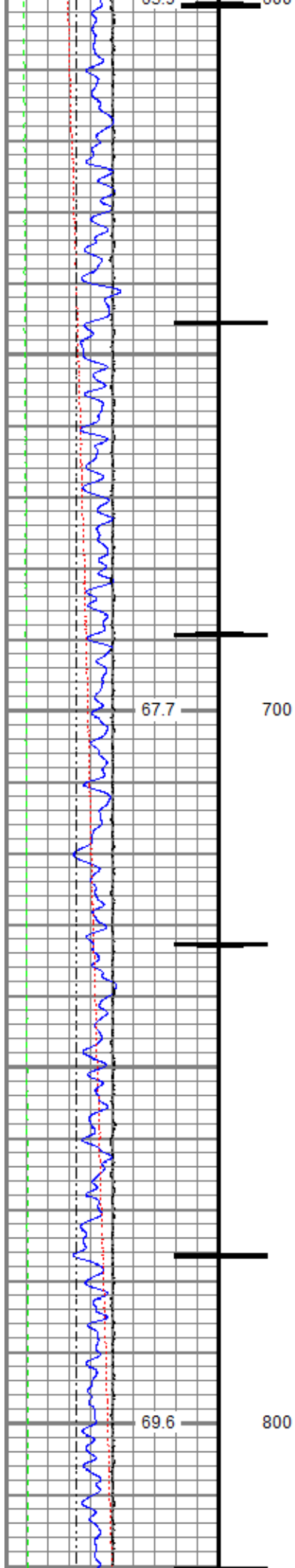
Database File	0512345091_anadarko_newby state 36n-4hz_rbl_cnl_03-12-18\processed_0512345091_anadarko_newby state 36n-4hz_rbl
Dataset Pathname	log/pass10.3
Presentation Format	ros_radri
Dataset Creation	Mon Mar 12 13:09:27 2018
Charted by	Depth in Feet scaled 1:240

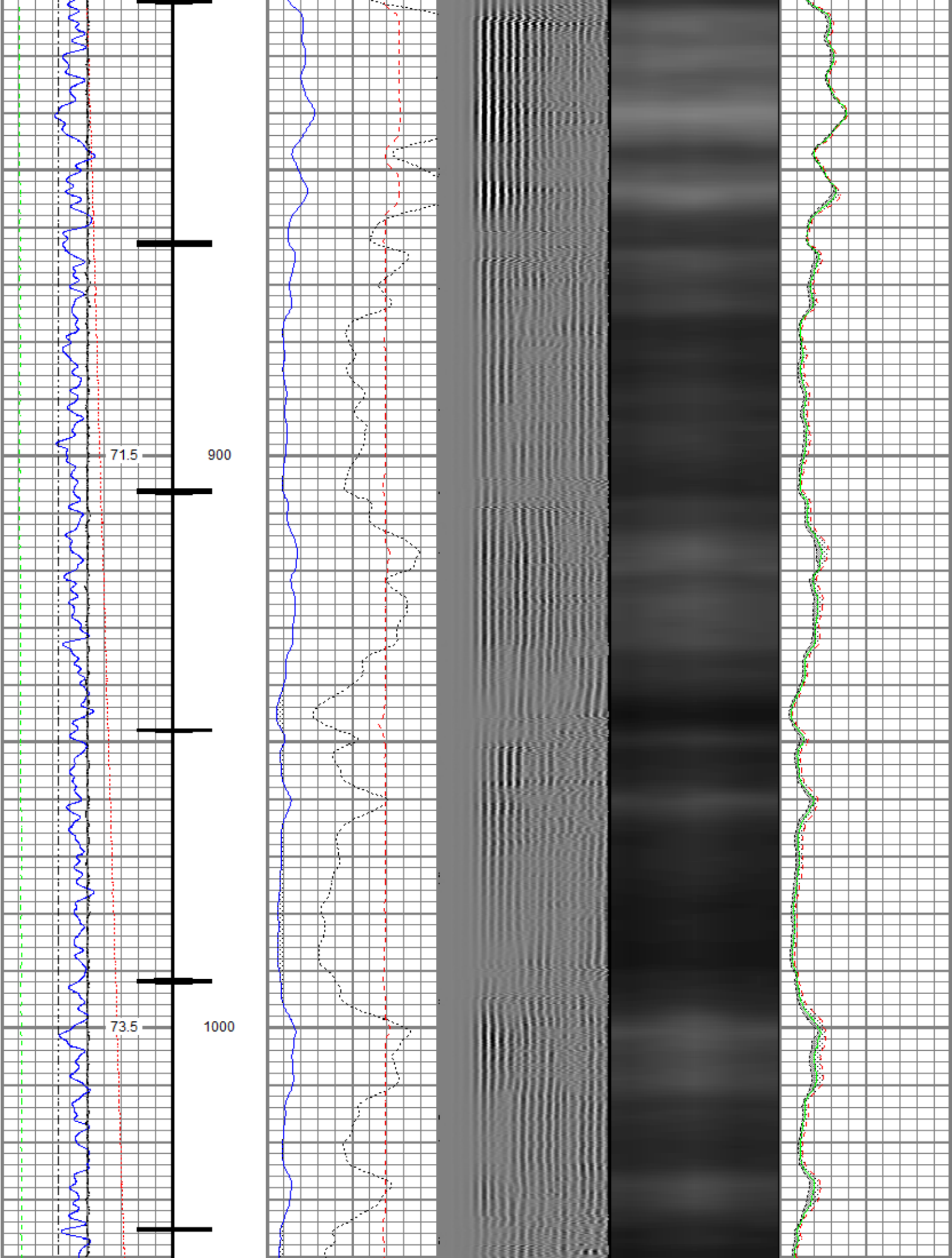
Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	(u sec)			Minimum Amplitude	
Casing Collar Locator		0	(mV)	20			0	100
0 Temperature (degF)	20	3' Travel Time					Maximum Amplitude	
Line Speed		650	(u sec)	150			0	100
-150 (ft/min)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

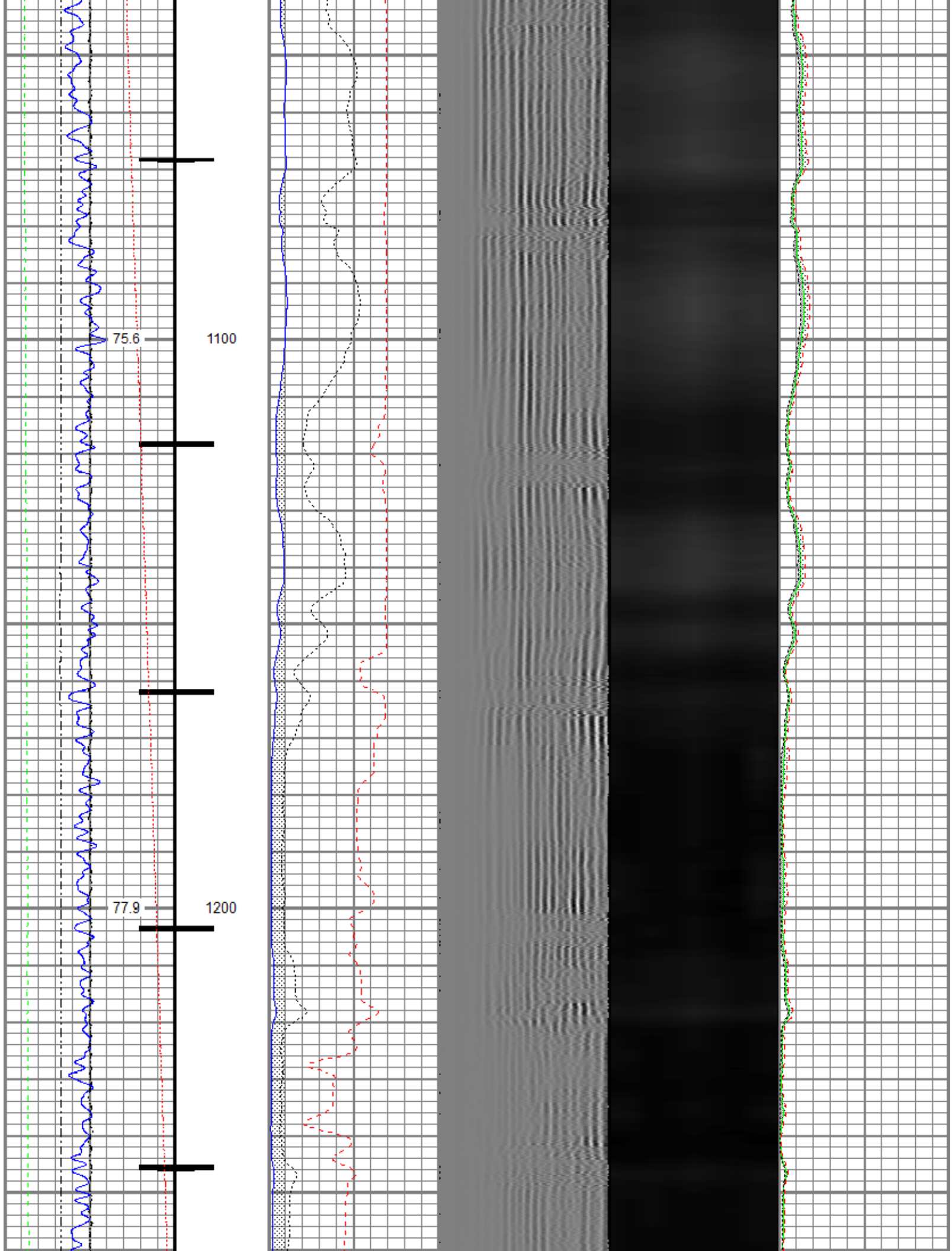


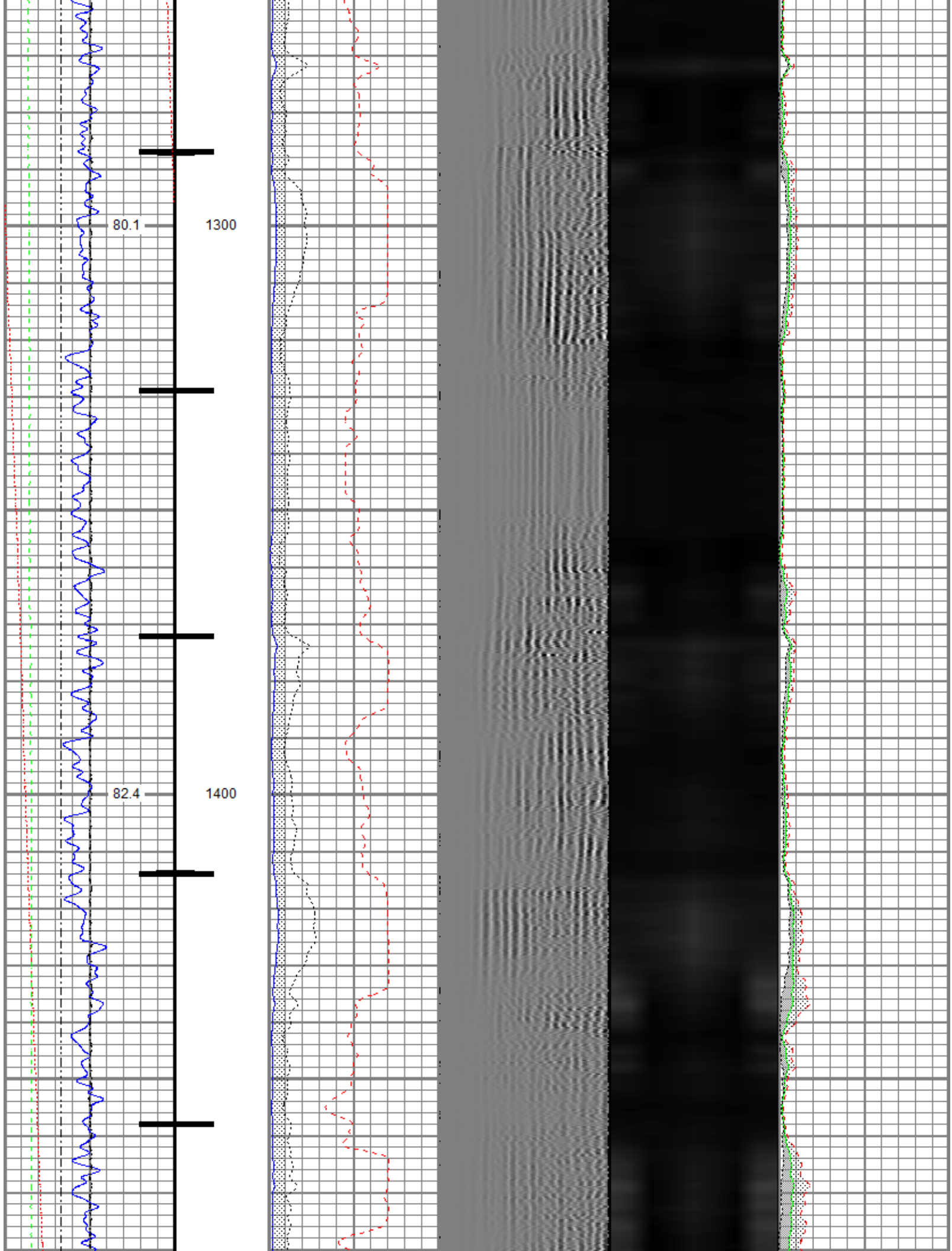


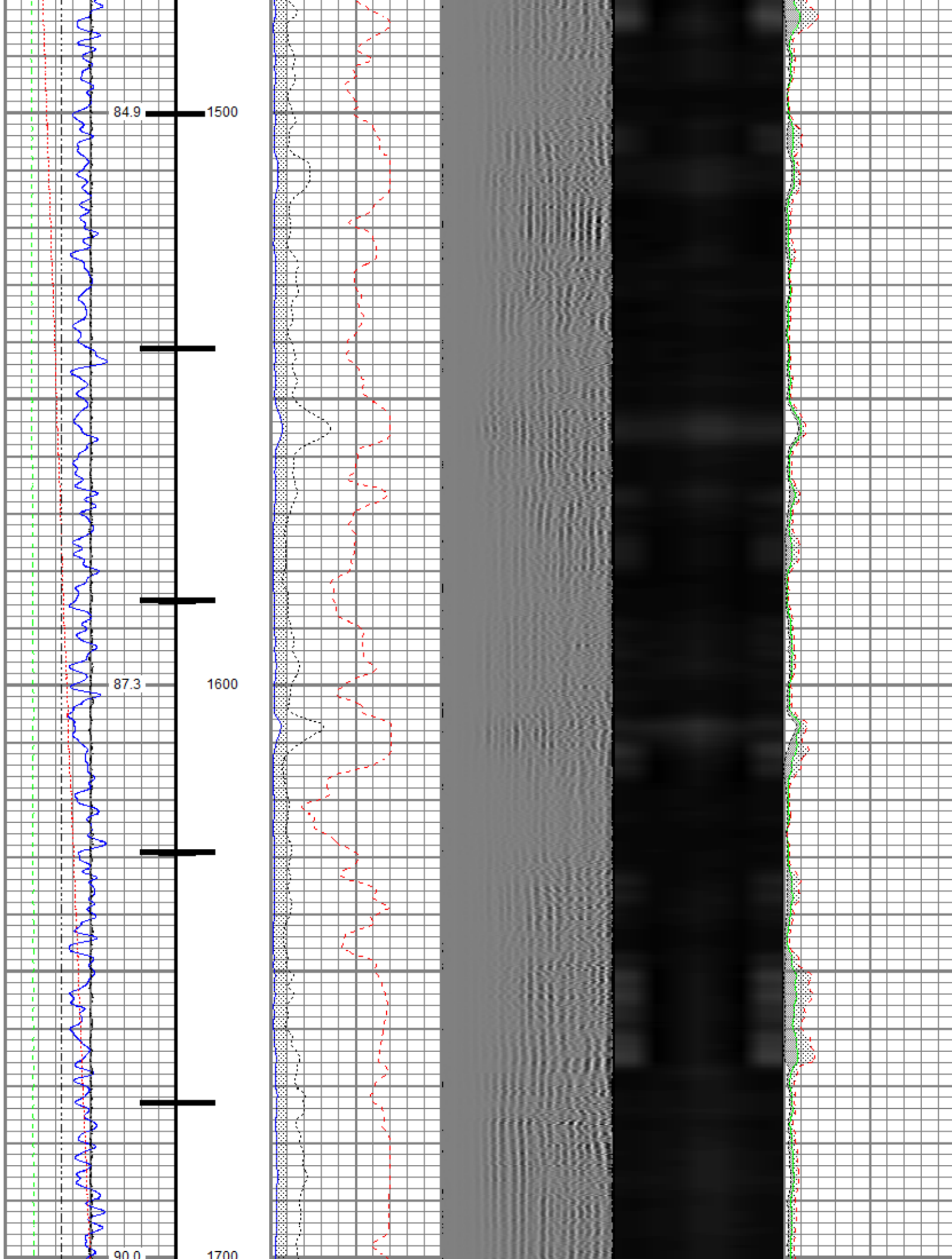


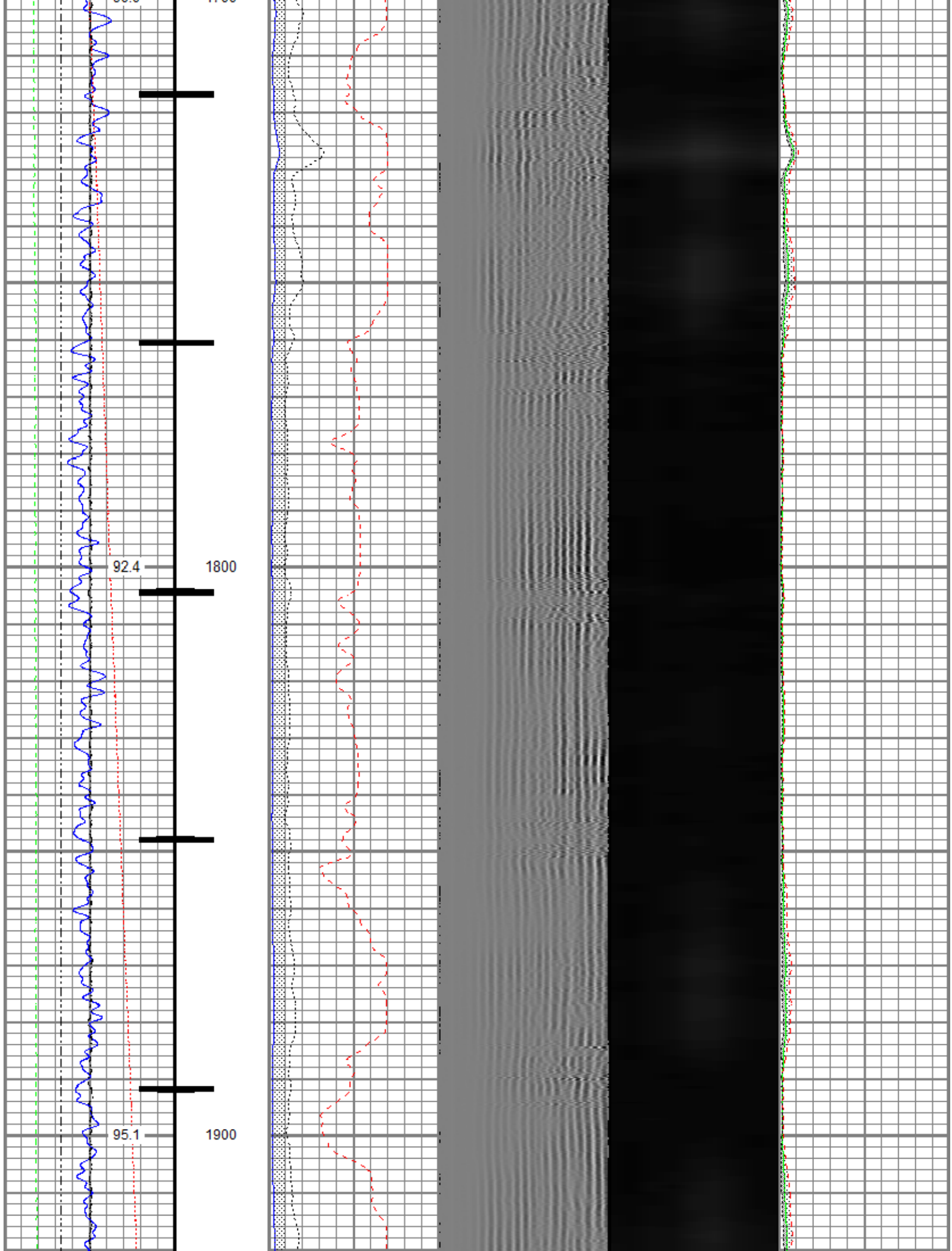


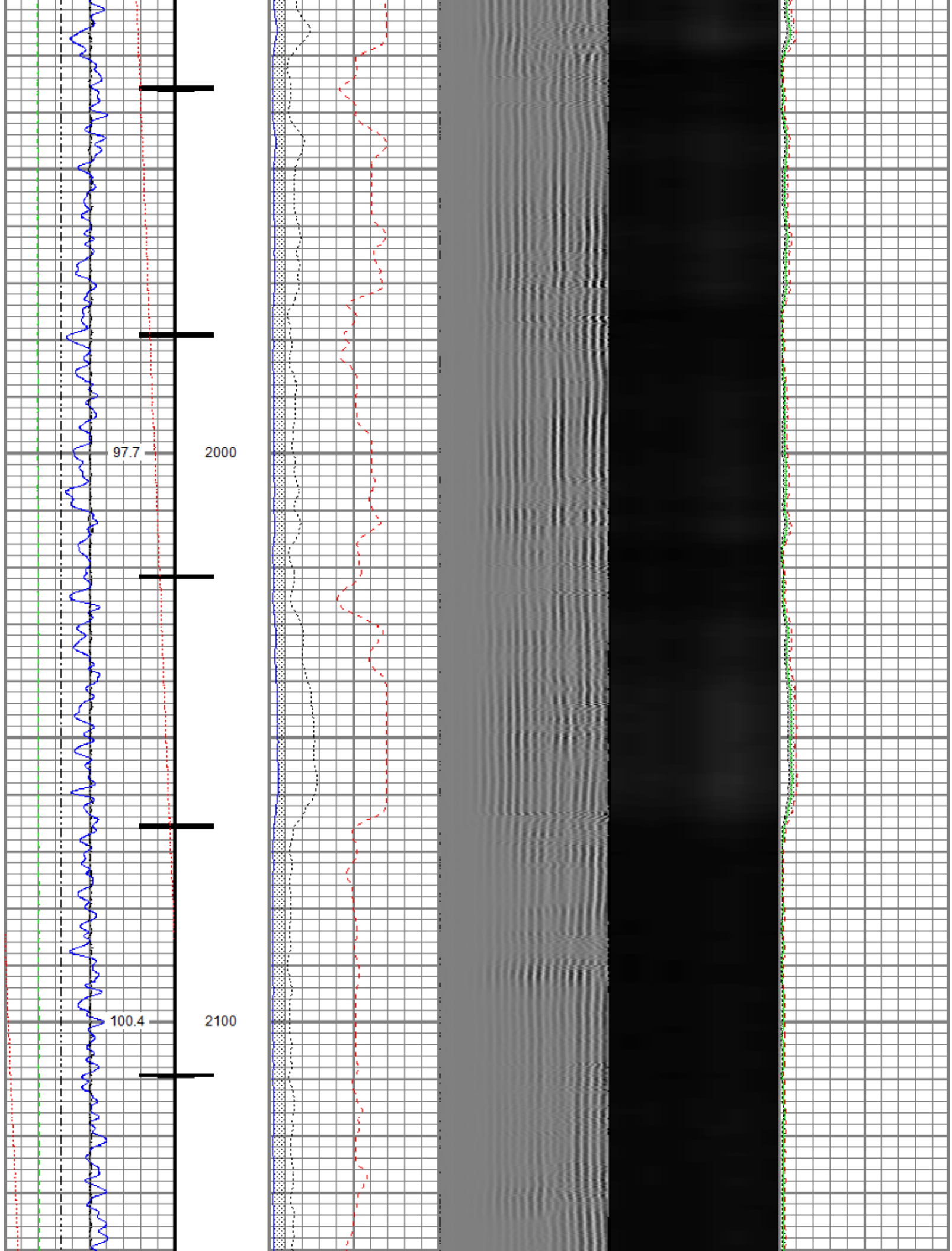


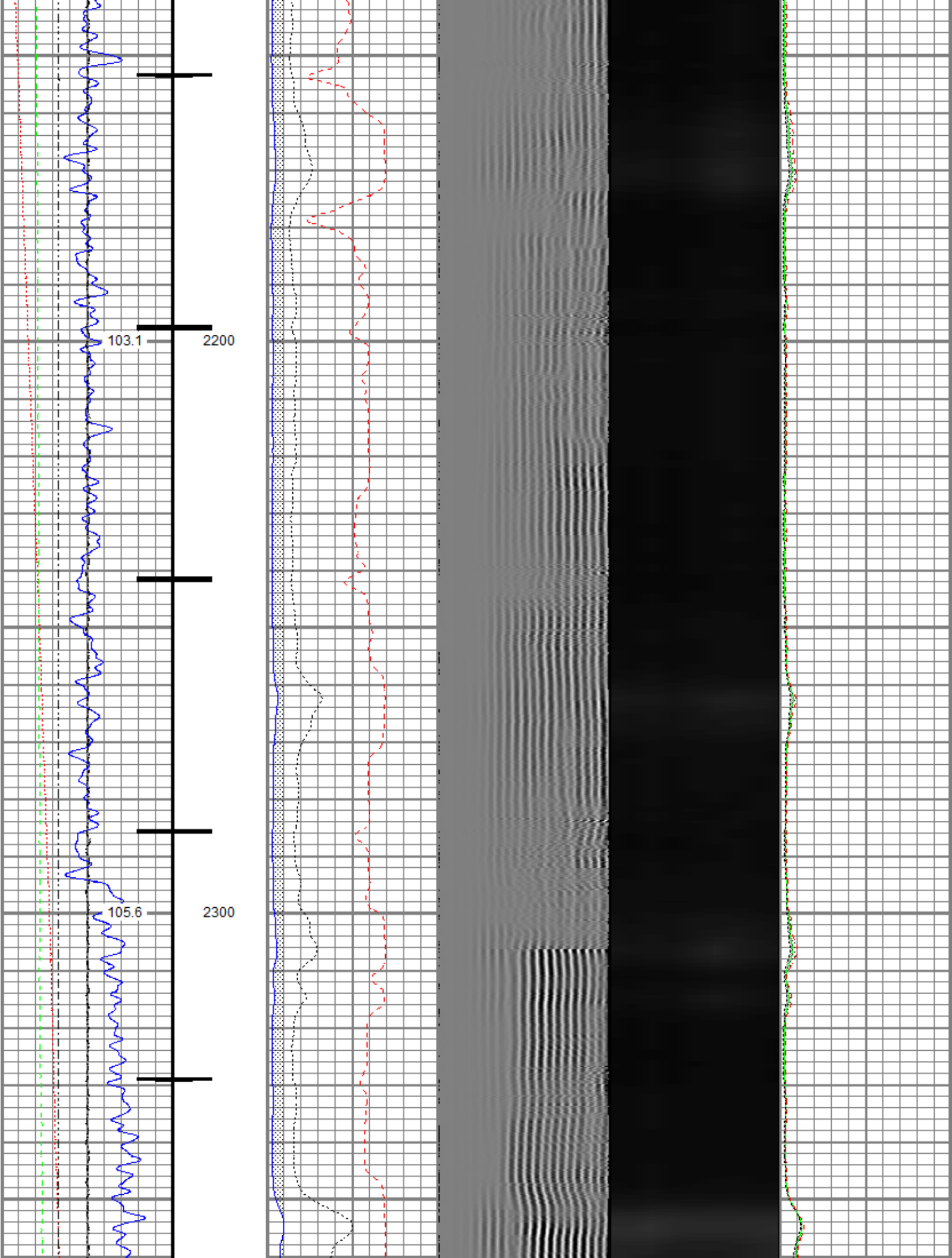


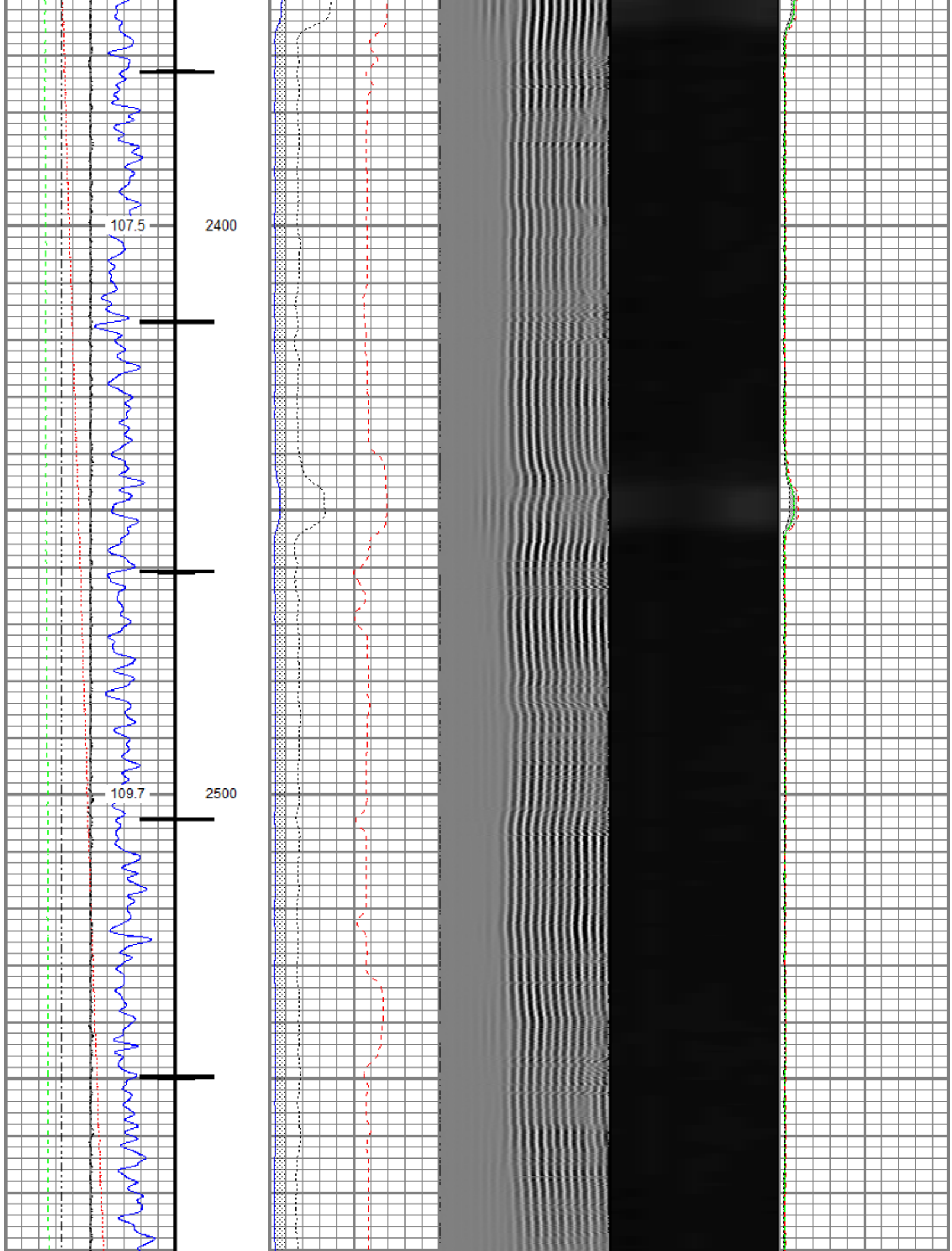


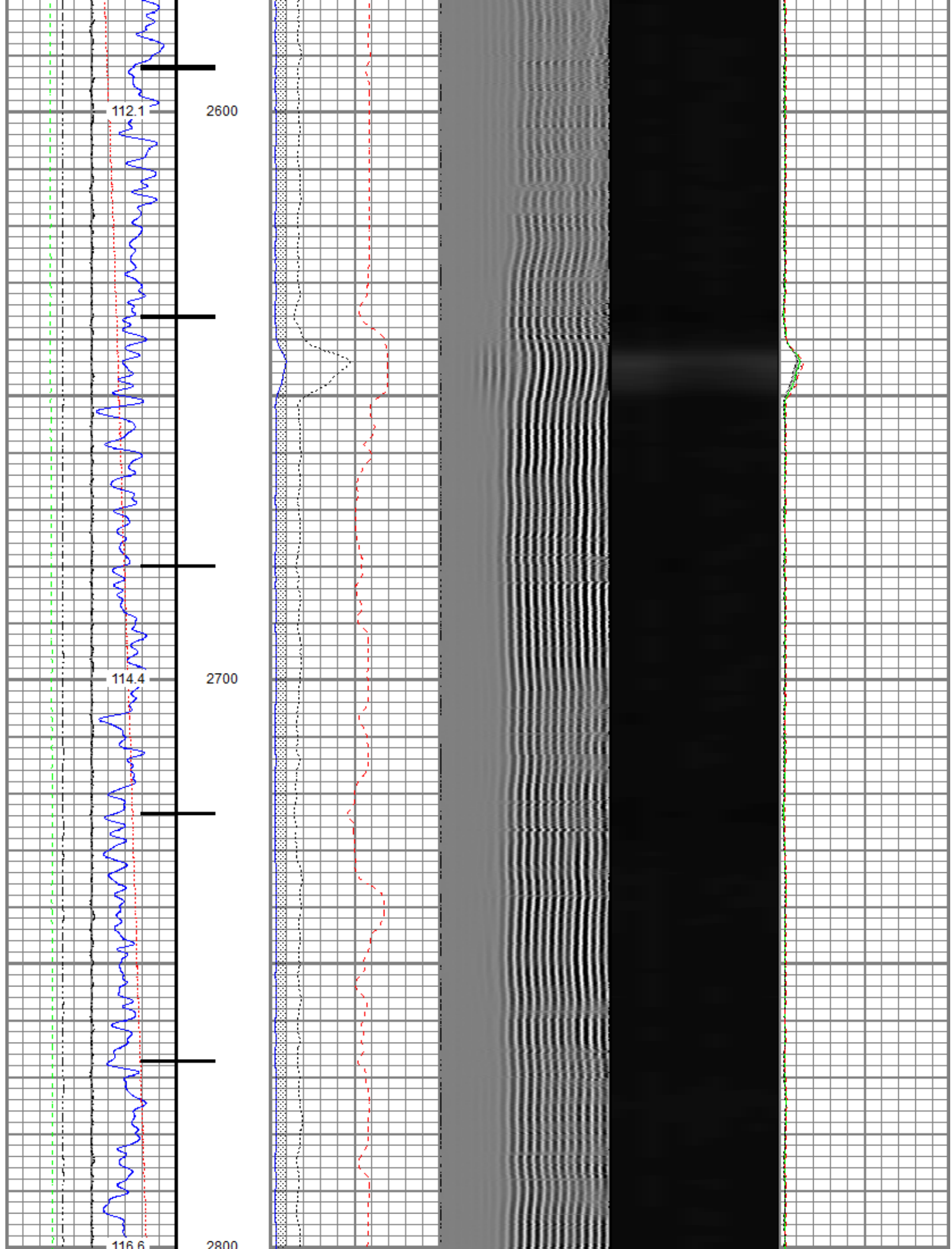


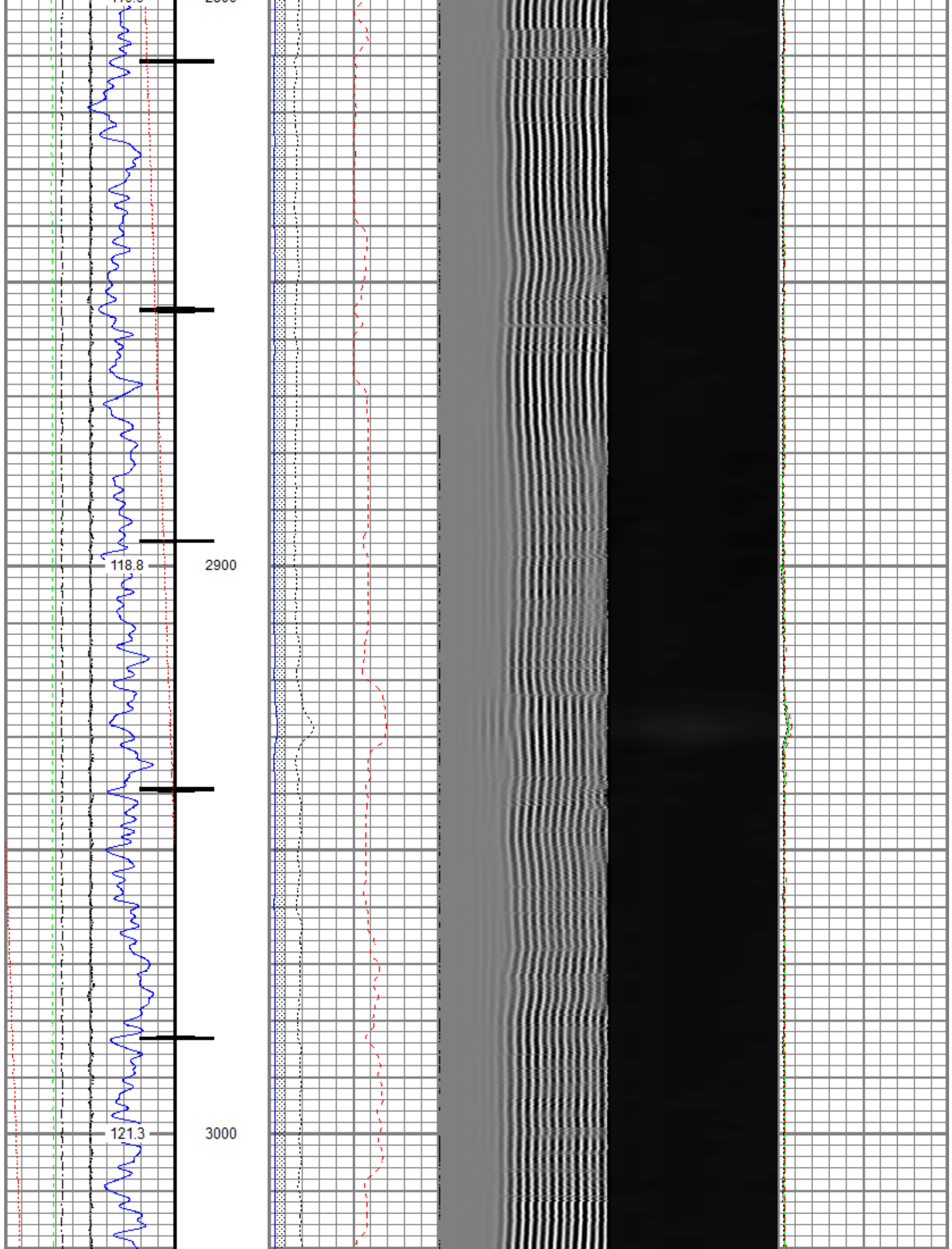


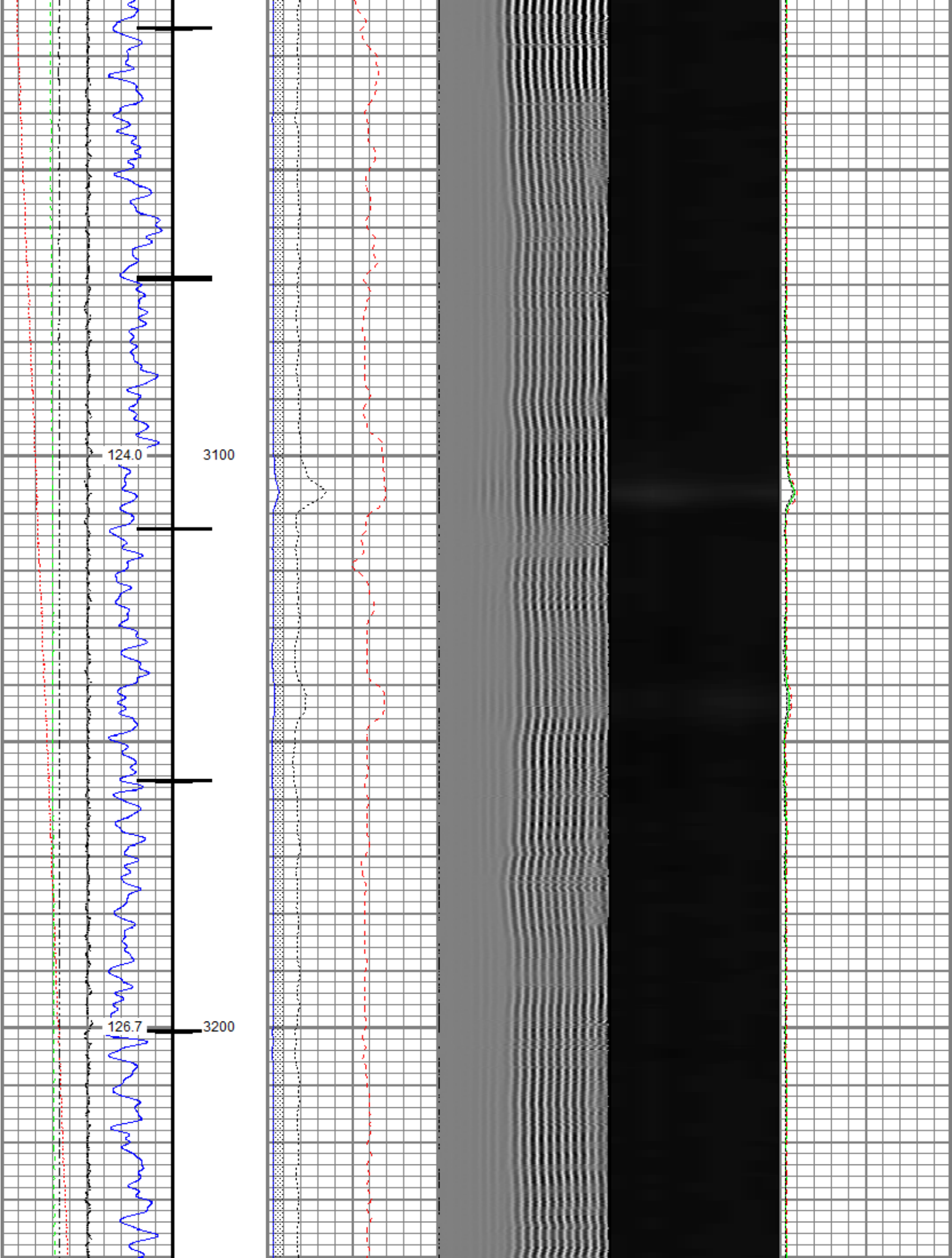


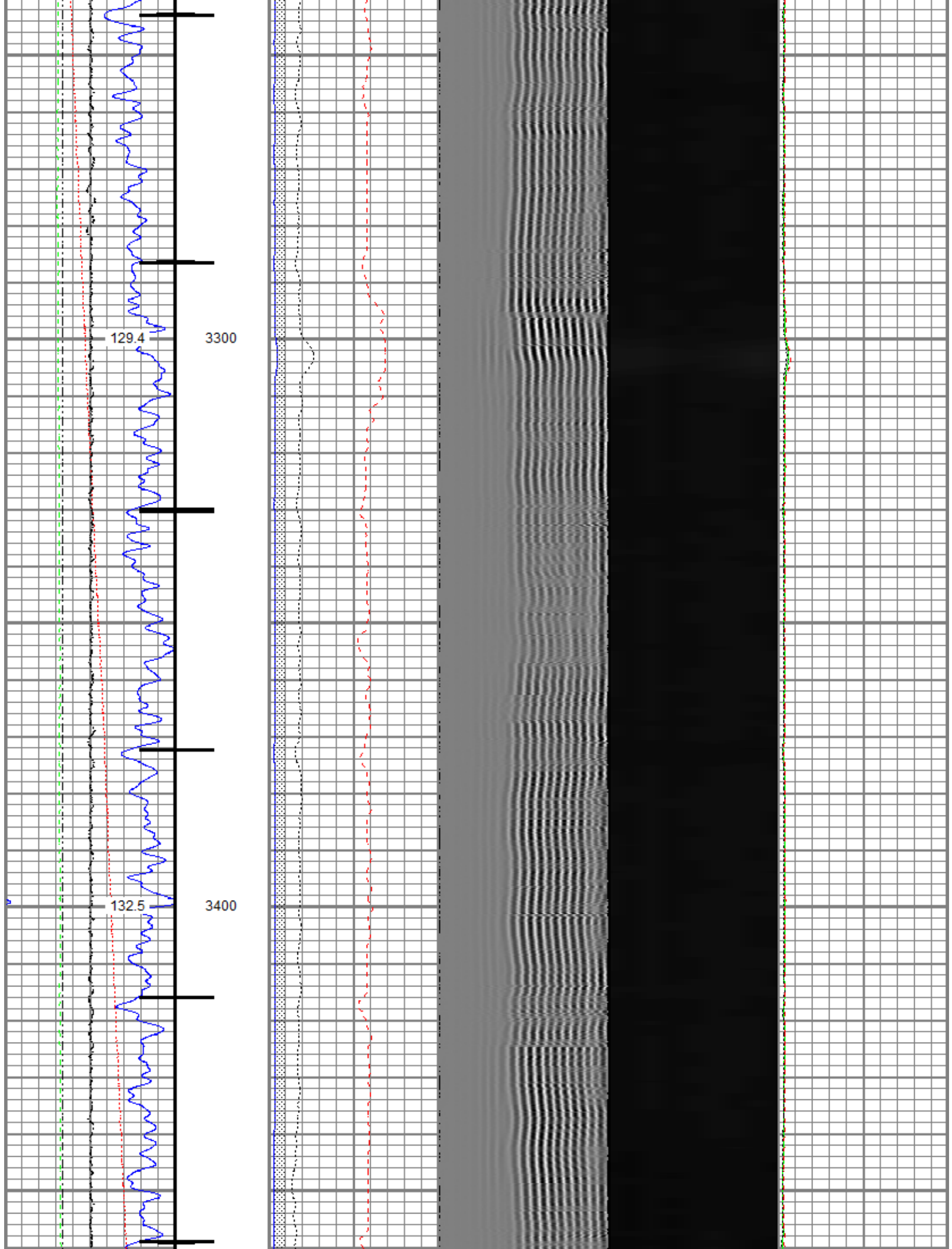


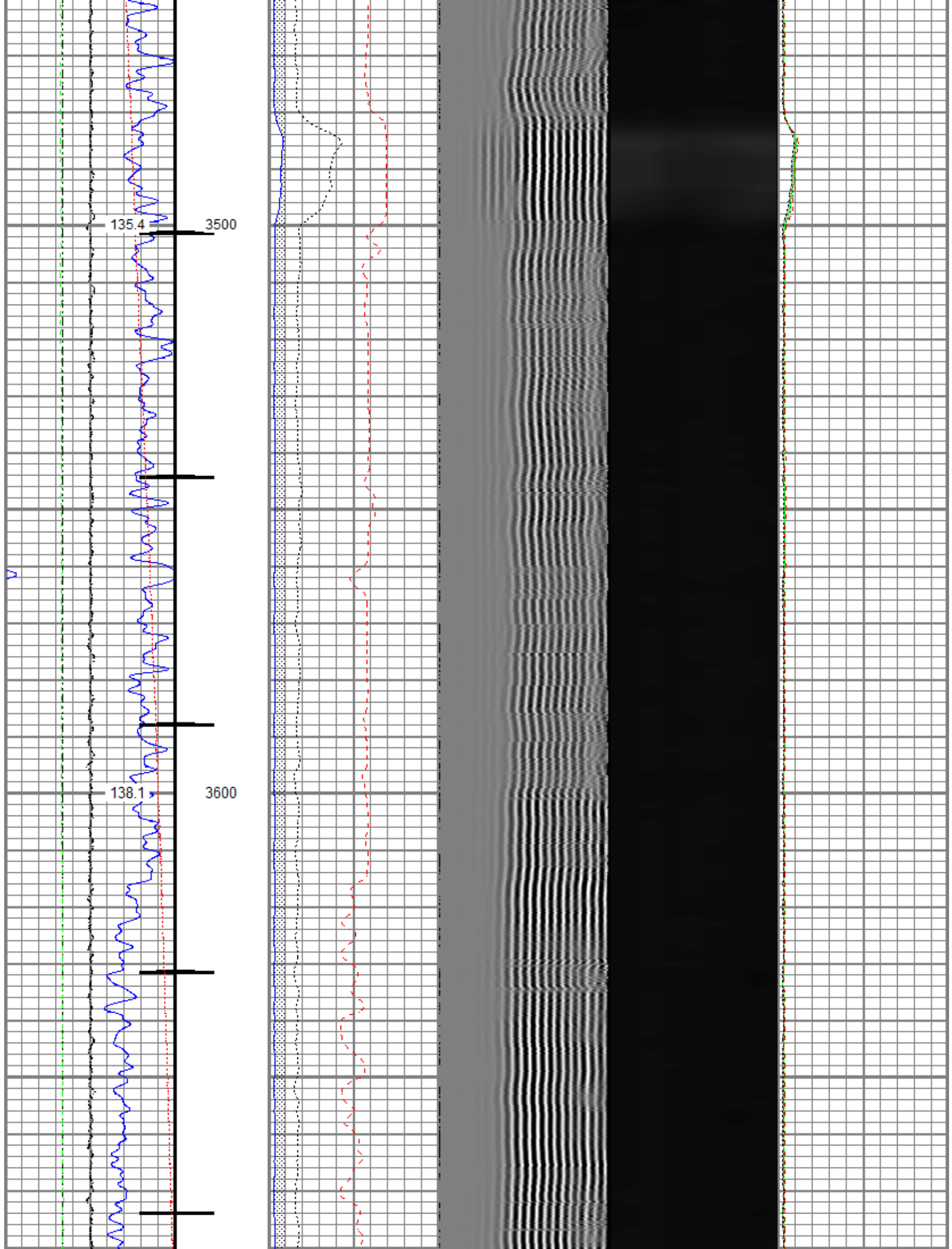


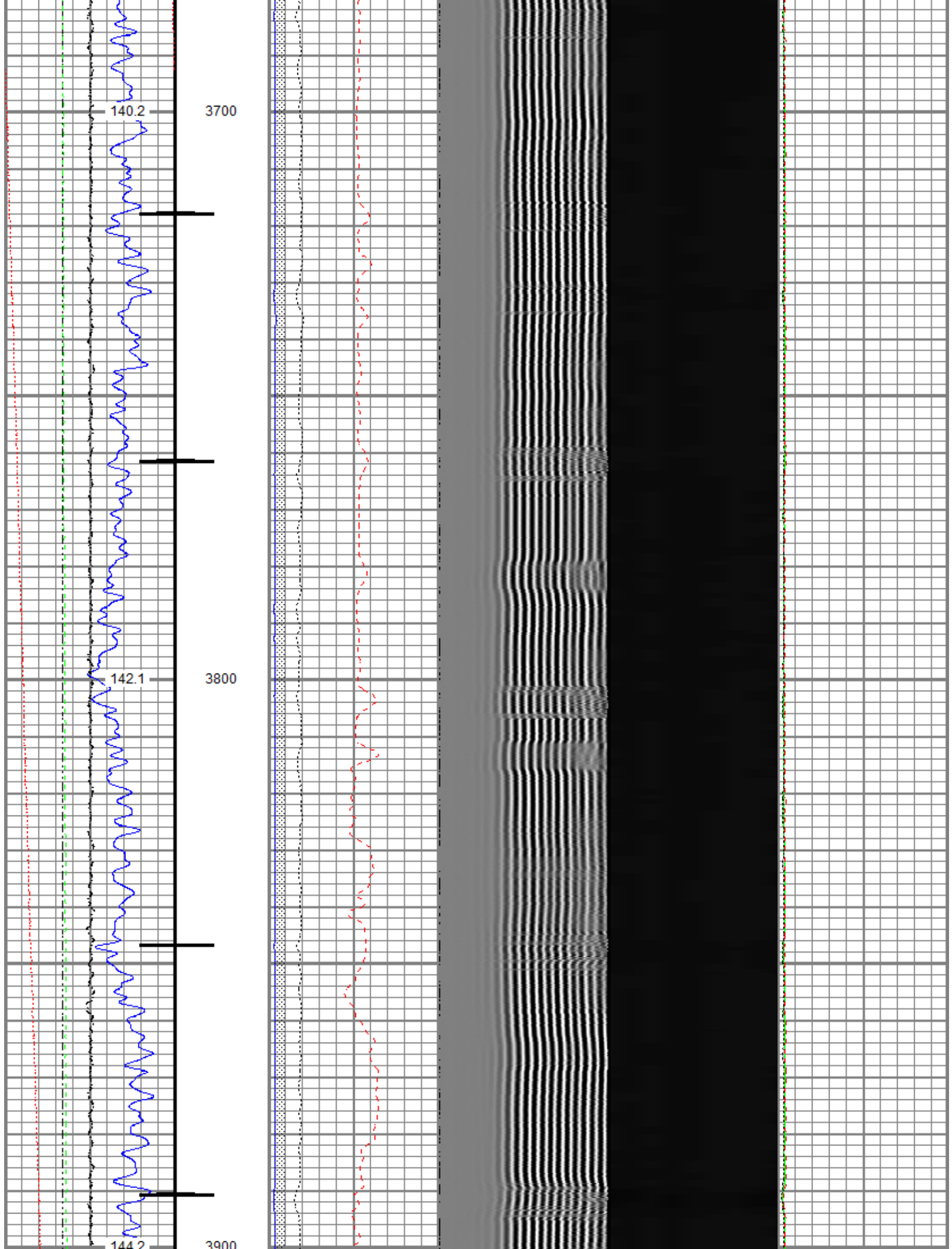


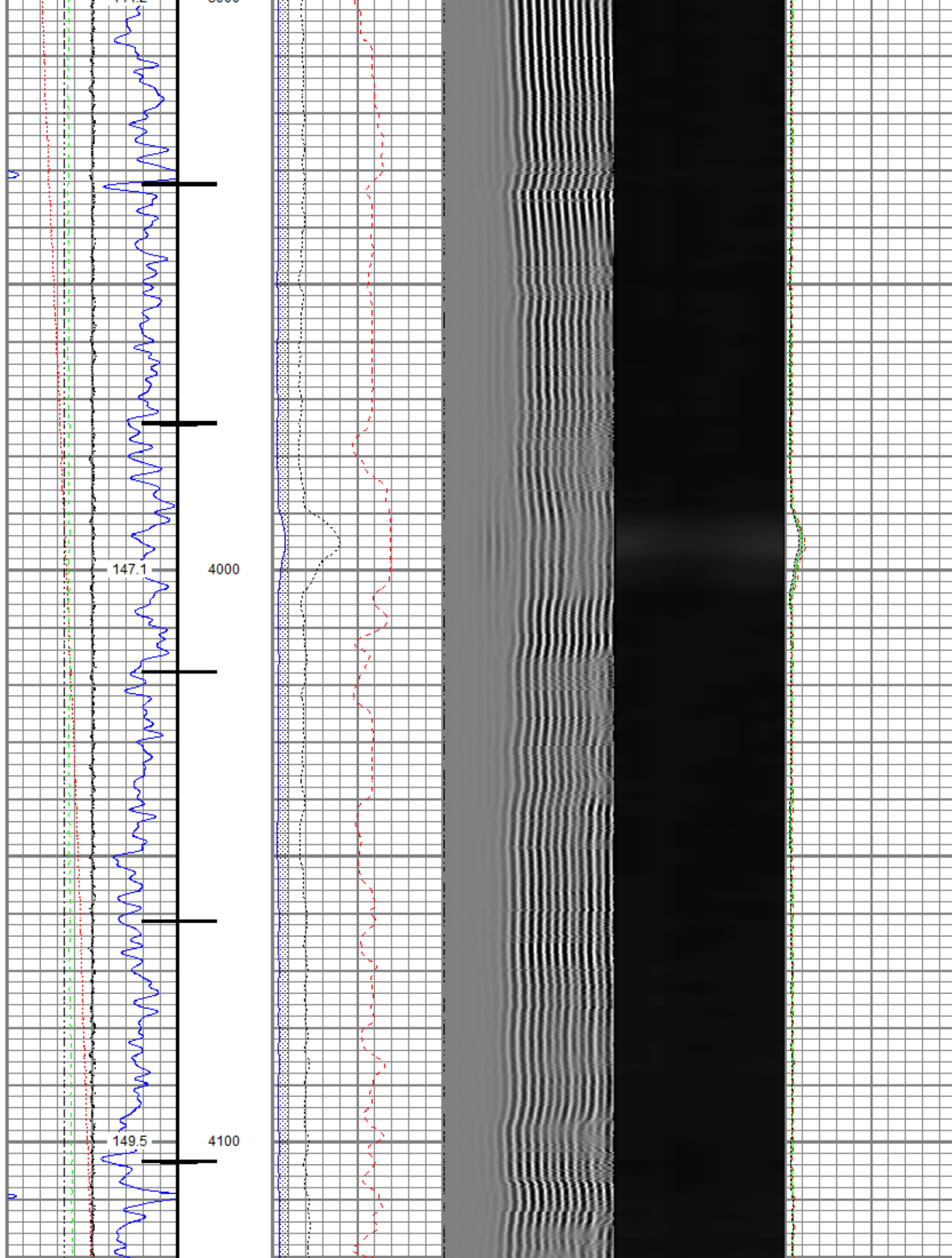


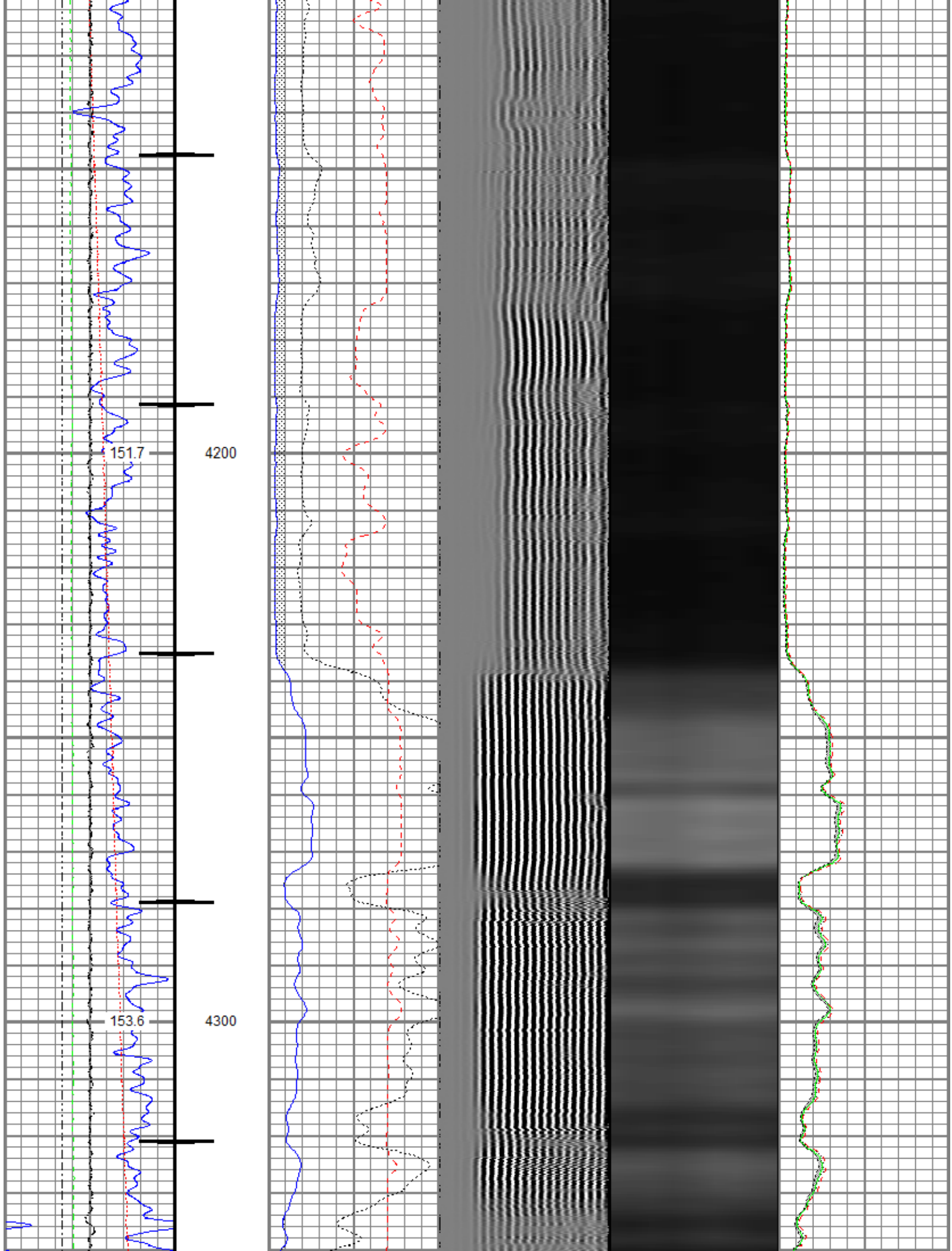


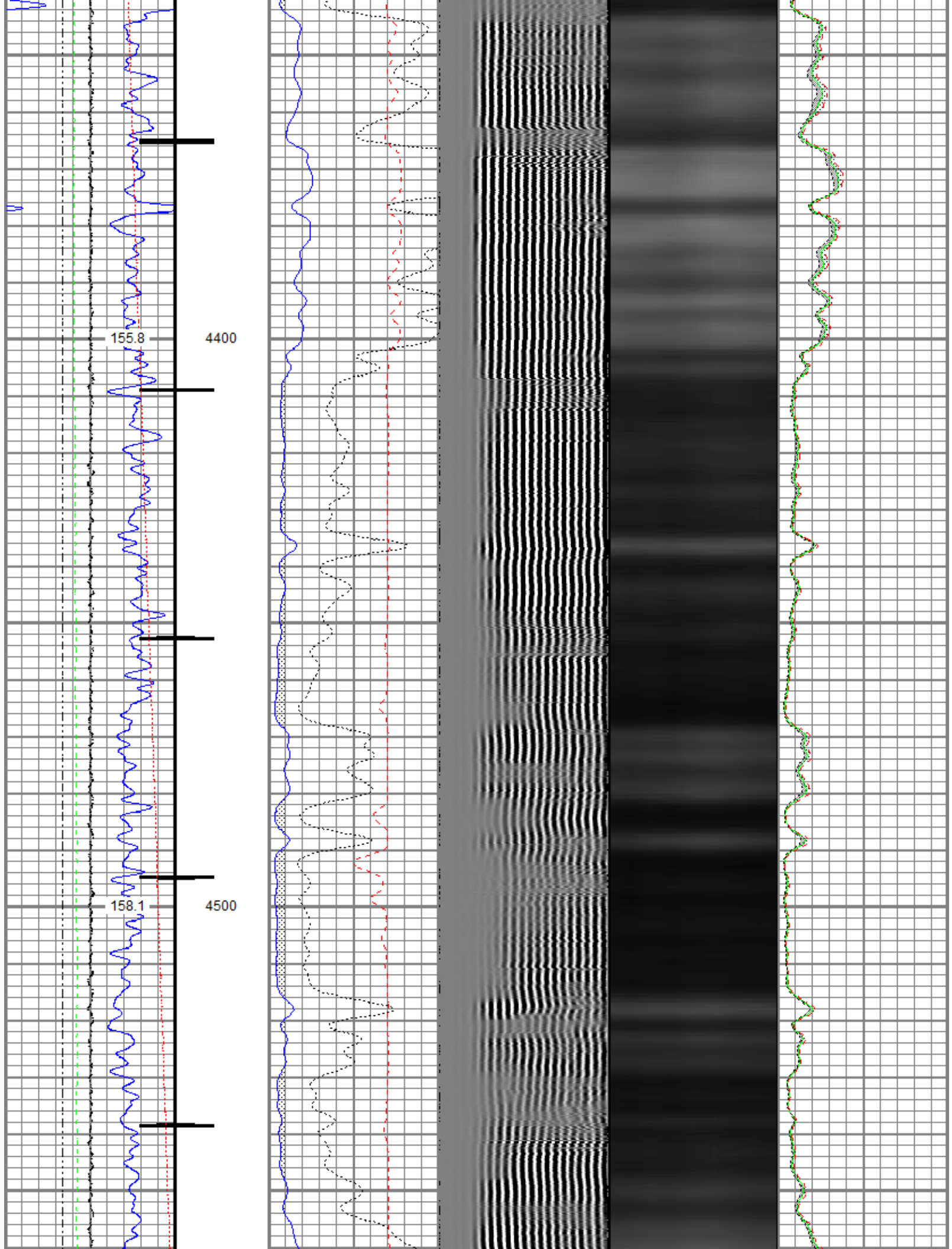


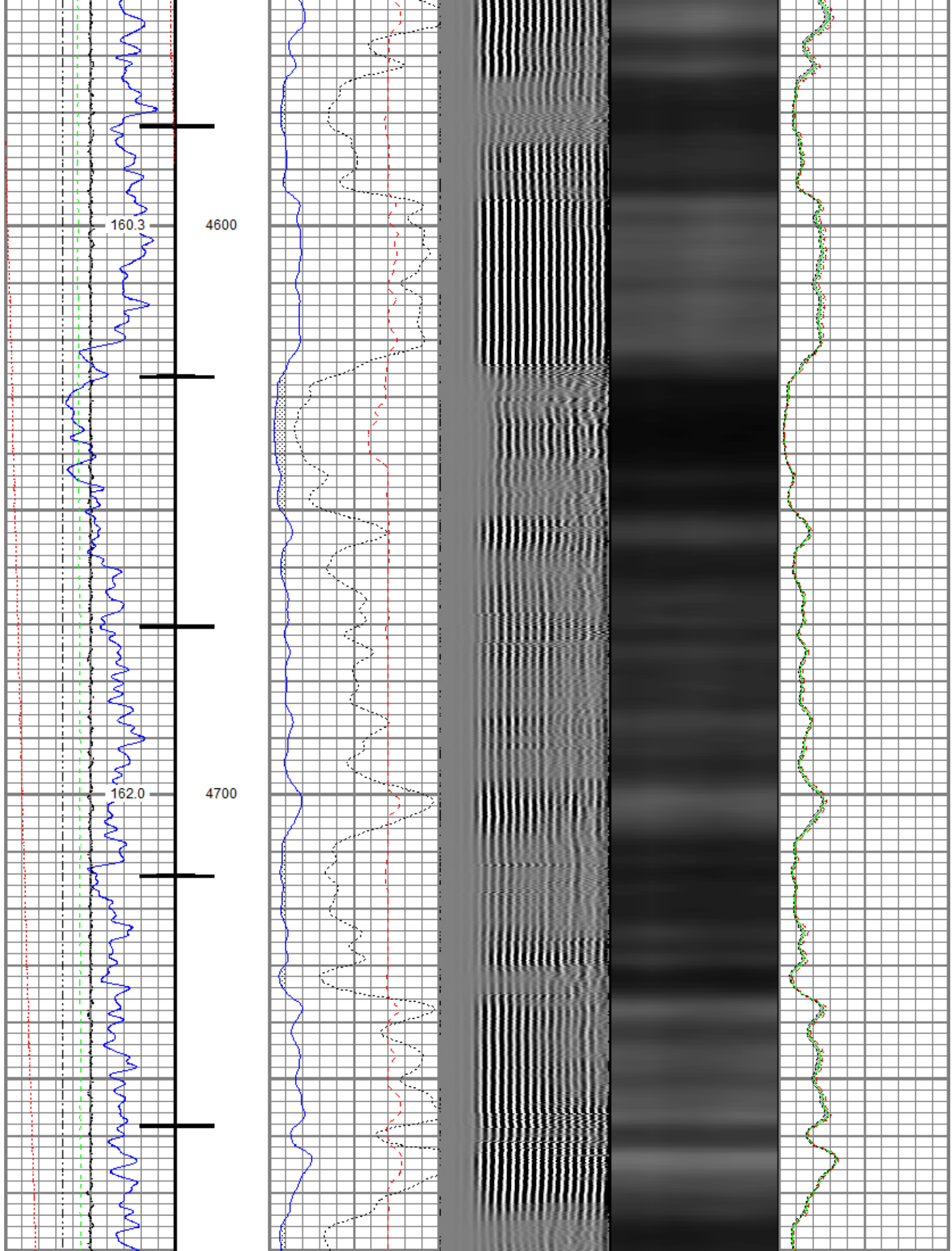


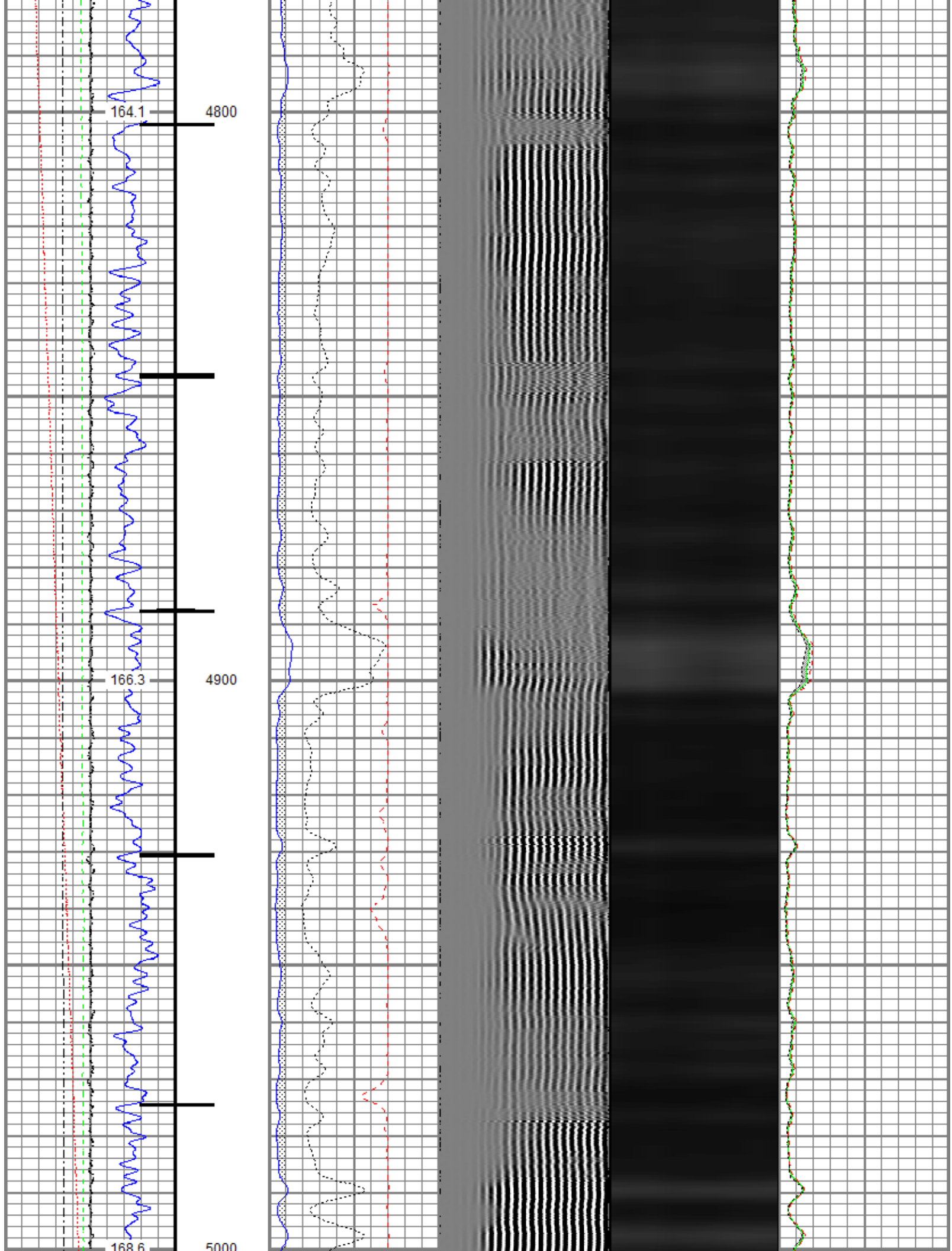


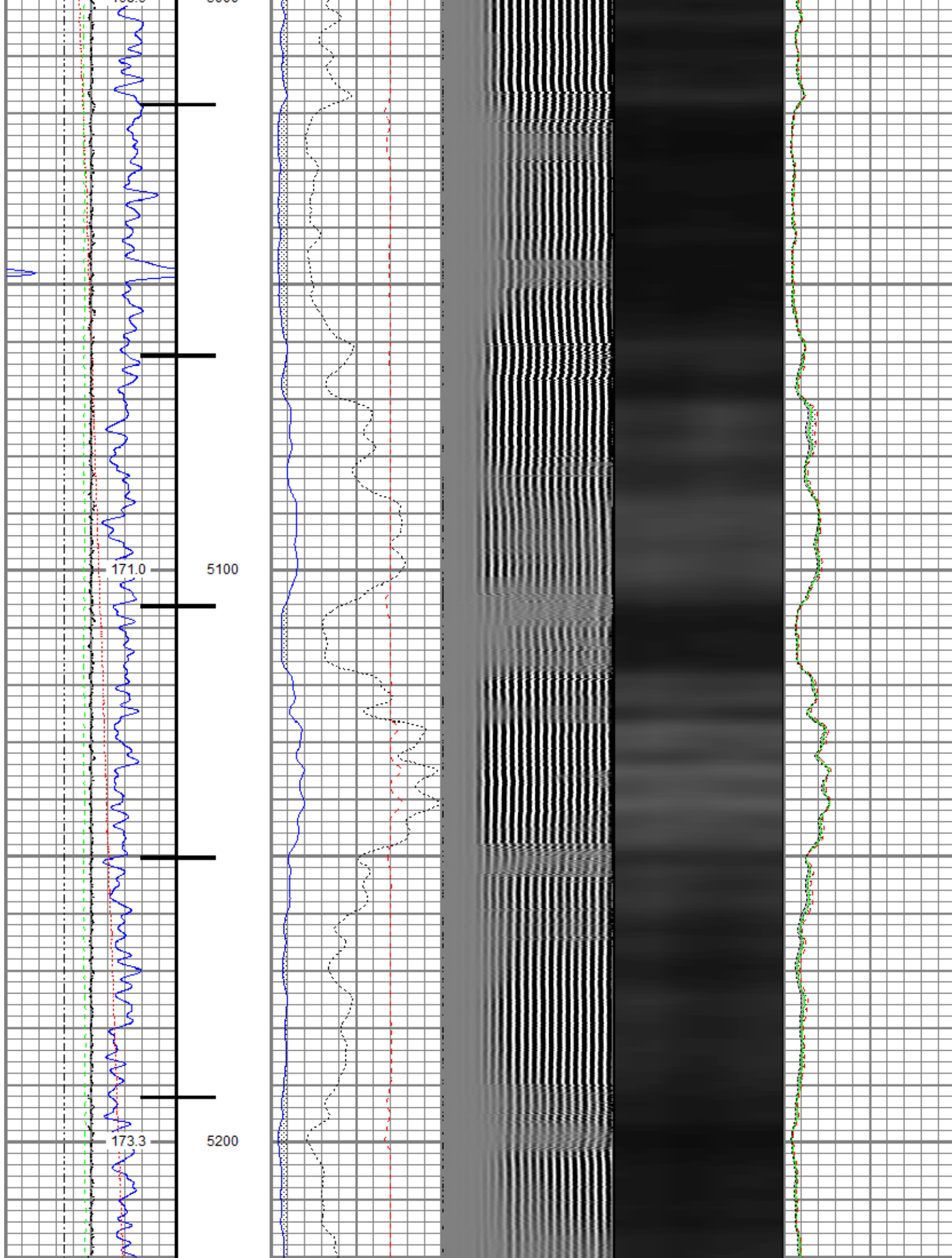


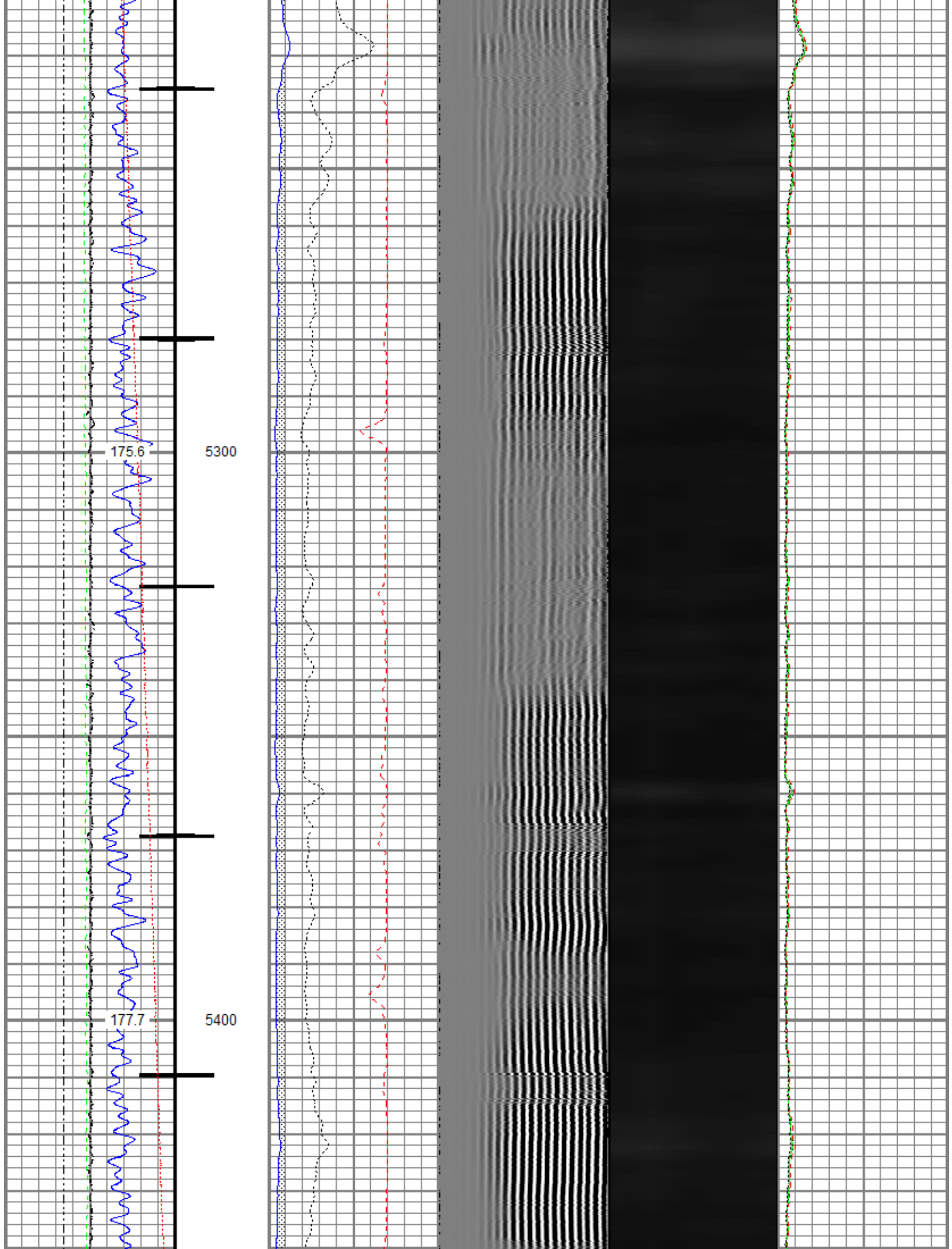


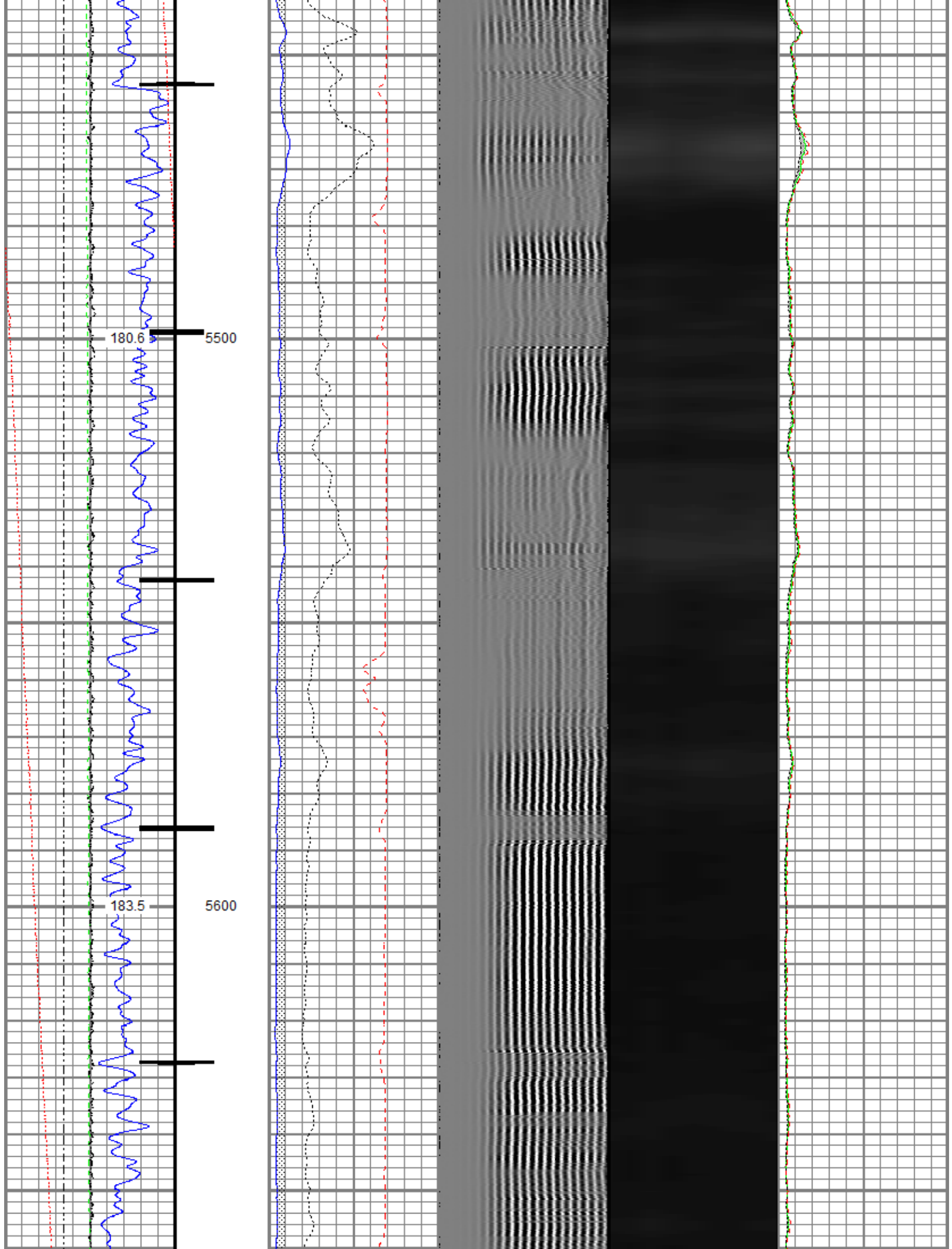


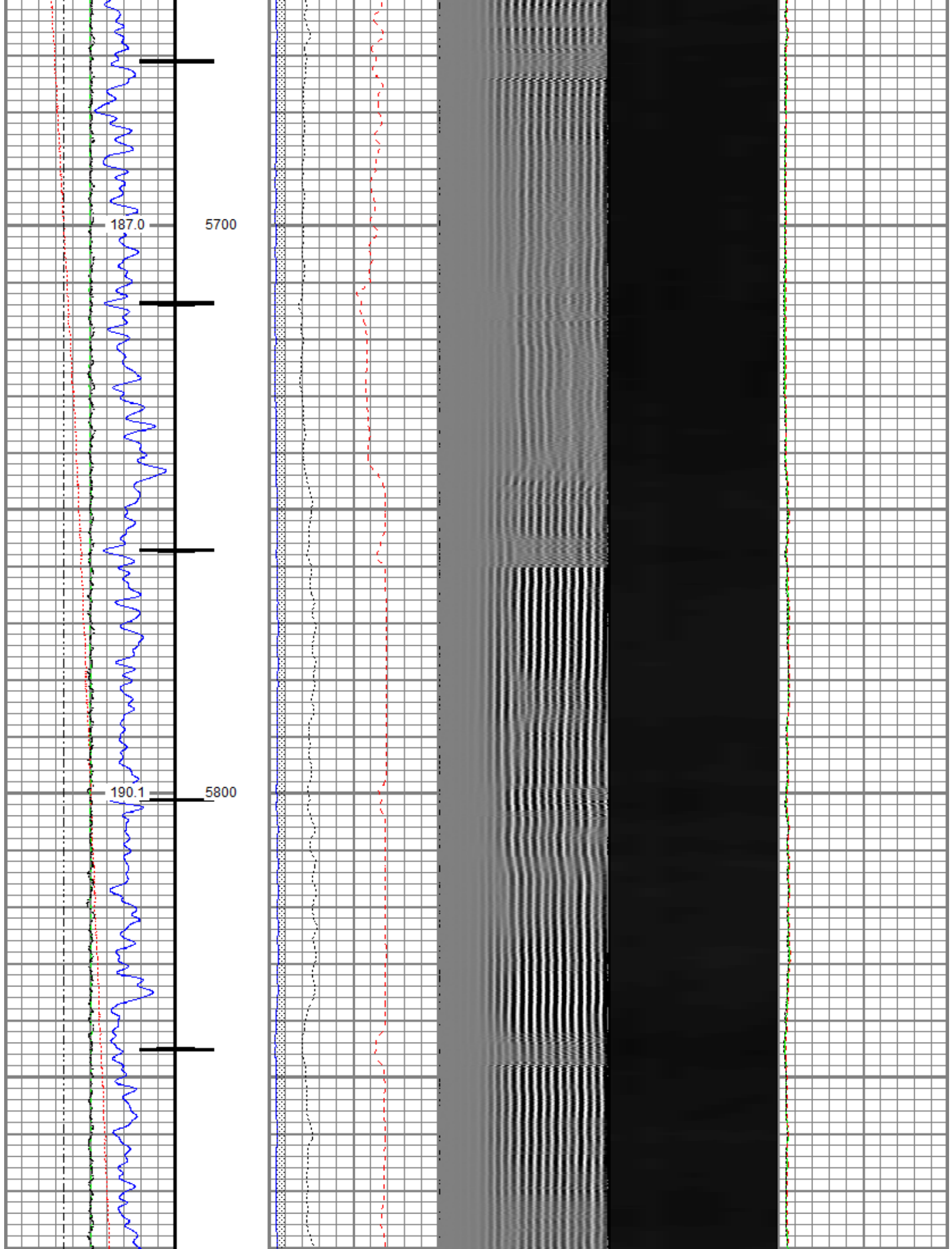


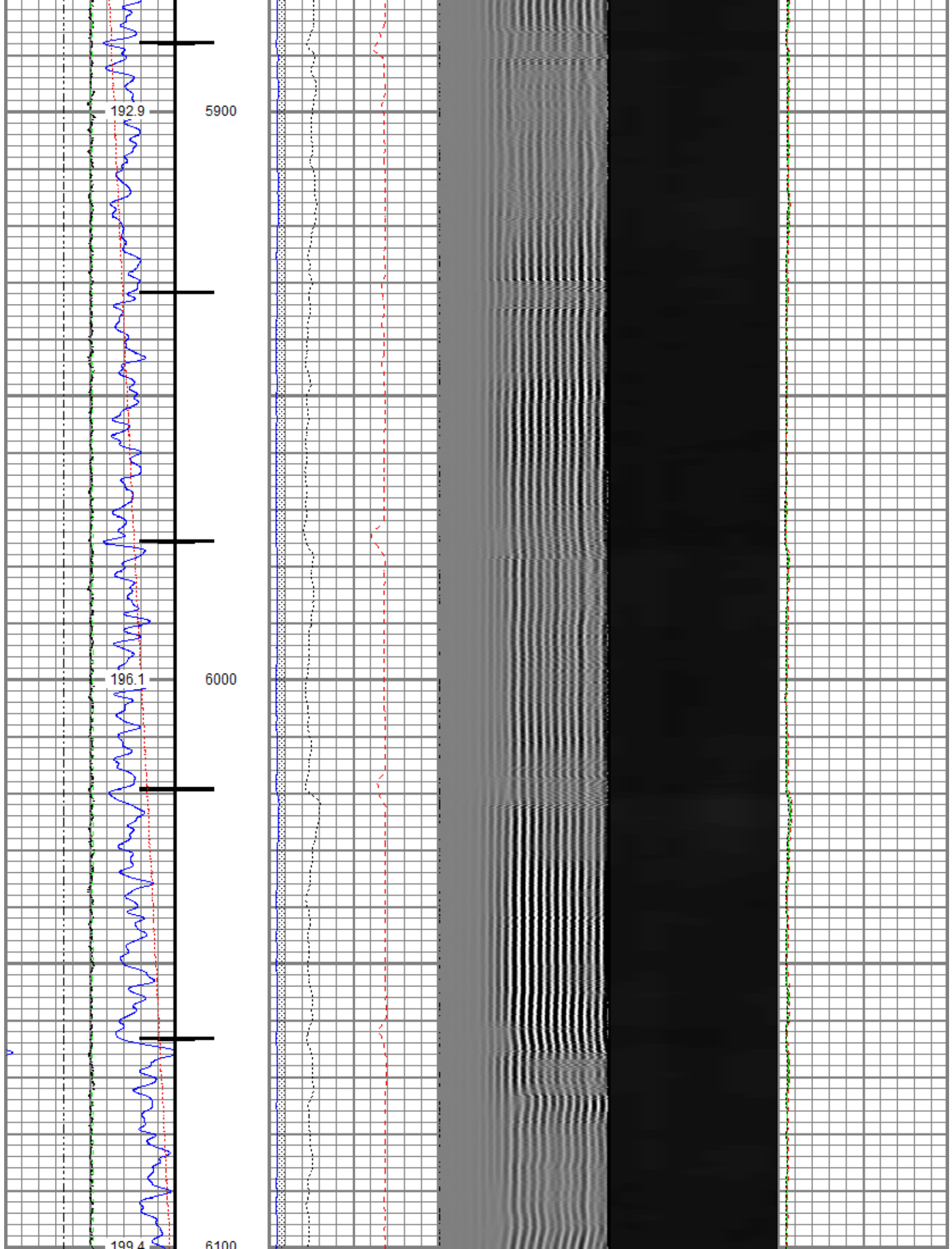


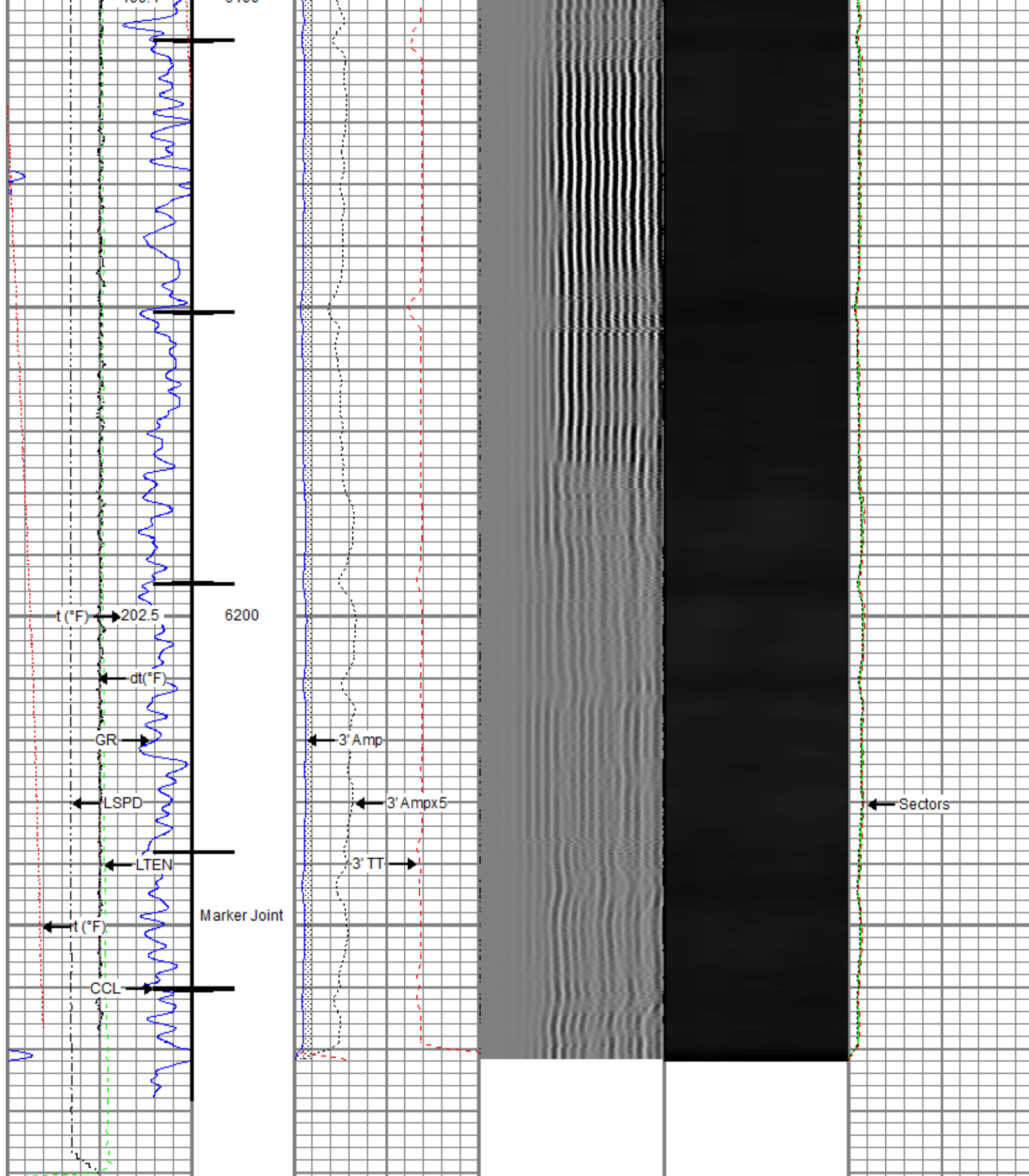













Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	(usec)			Minimum Amplitude	
Casing Collar Locator		(mV)	1200					100
0 Temperature (degF)	20	3' Travel Time					Maximum Amplitude	
Line Speed		(usec)	150					100
-150 (ft/min)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

Differential Temperature
-2 (degF) 2



Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

Database File

Dataset Pathname

Presentation Format

Dataset Creation

Charted by

0512345091_anadarko_newby state 36n-4hz_rbl_cnl_03-12-18\processed_0512345091_anadarko_newby state 36n-4hz_rbl

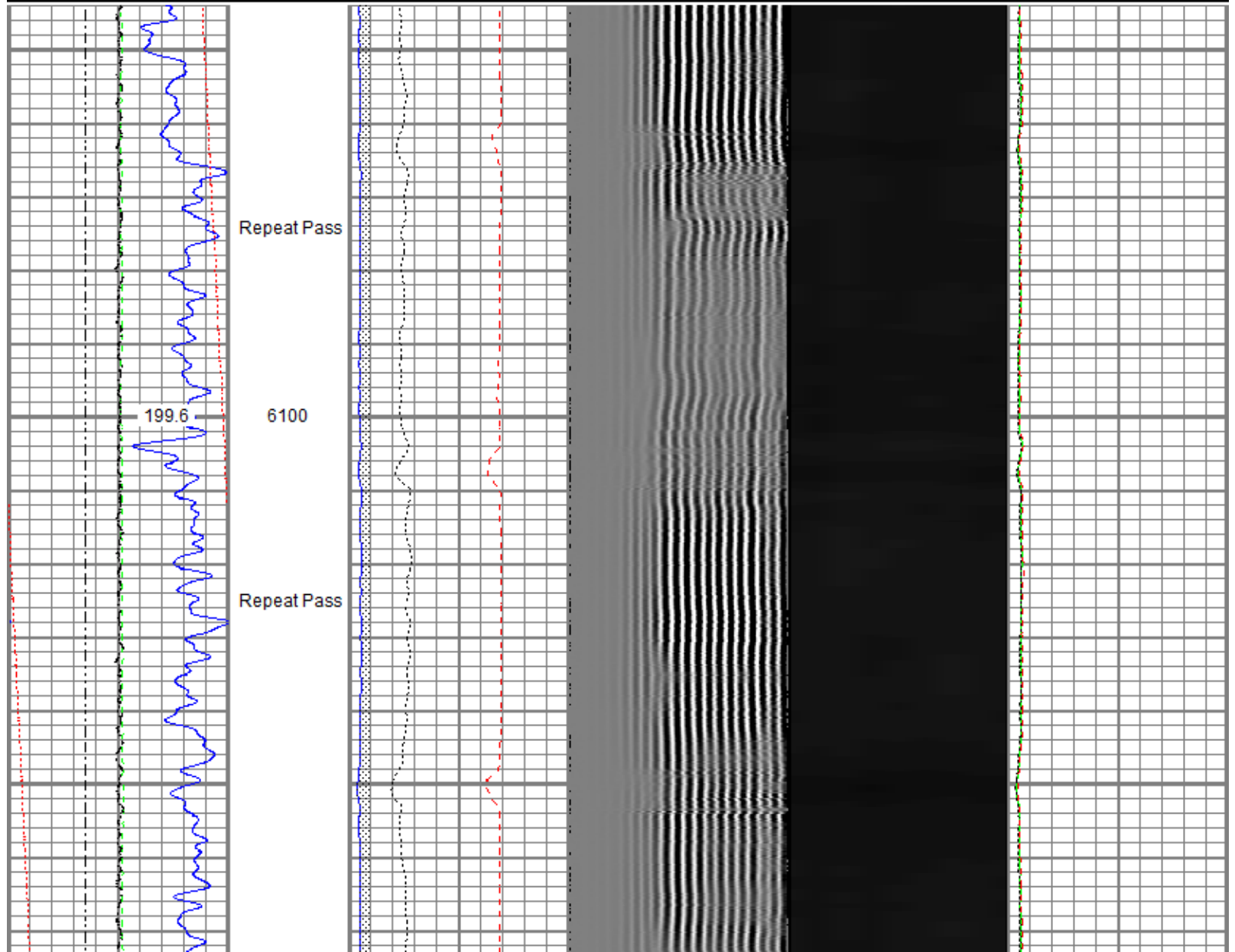
log/pass8.3

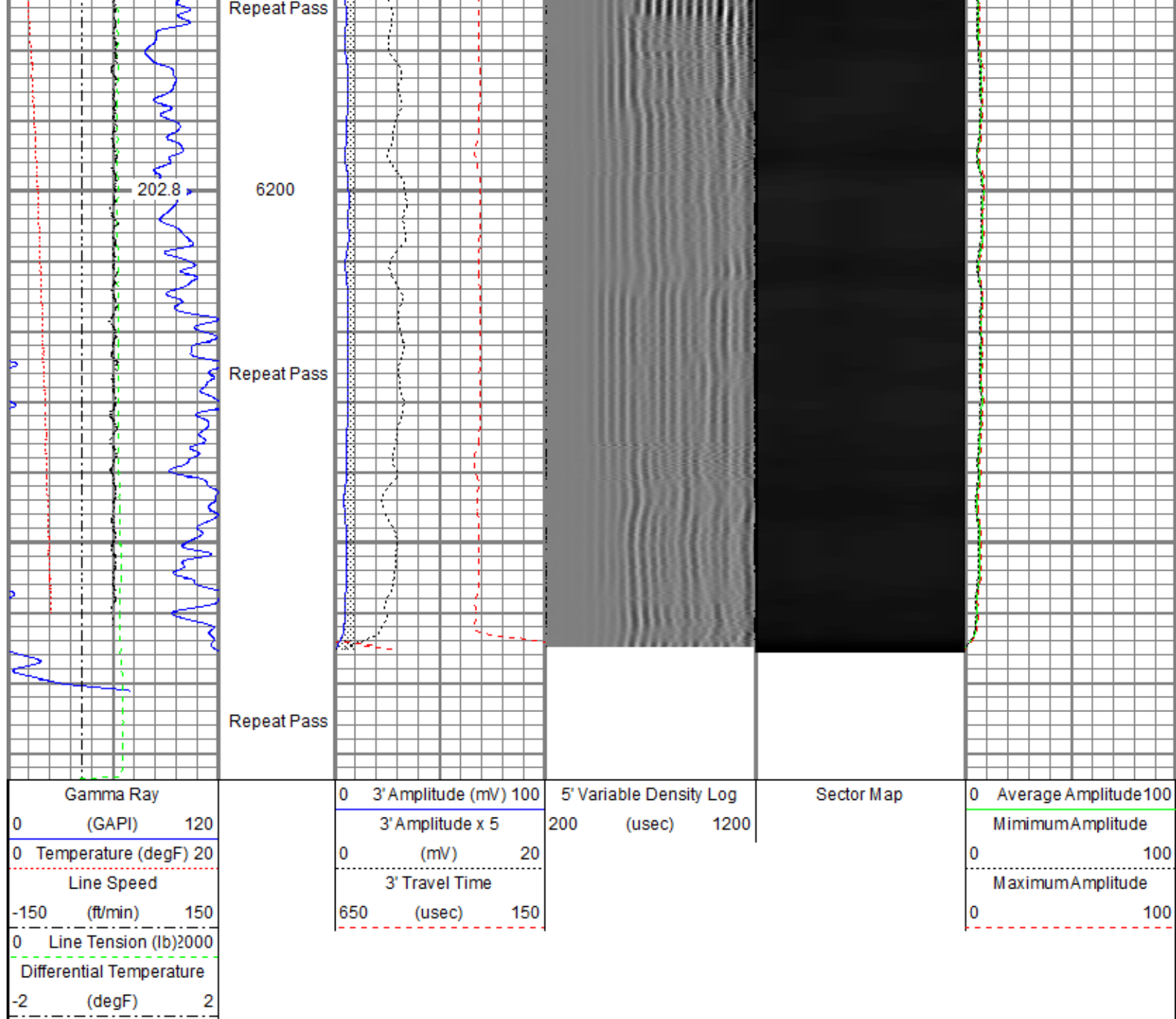
ros_radil

Tue Mar 13 10:45:32 2018




Depth in Feet scaled 1:240

Gamma Ray	0 3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0 Average Amplitude 100
0 (GAPI) 120	3' Amplitude x 5	200 (usec) 1200		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)
			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			
TEMP	22.08					
WVFS8	19.84		Probe Radii-2750 RBT (FW1308-091)	9.39	2.75	105.00
			Probe 2-3/4" Radial Cement Bond Tool with Integral			

WVFS7	19.84		Temperature Sub					
WVFS6	19.84							
WVFS5	19.84							
WVFS4	19.84							
WVFS3	19.84							
WVFS2	19.84							
WVFS1	19.84							
WVFCAL	19.84							
WVF3FT	19.84							
WVF5FT	18.84							
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00		
CCL\$2	11.83							
CCL\$1	11.83							
GR	10.50		Probe GR-CCL-2750 6PB (FW1304-132) 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 CN-2750 BL (FW1308-020_A1483) Probe 2-3/4" Compensated Neutron with Bottom Load	5.03	2.75	60.00		
CNLSC	4.53							
CNSSC	4.12							
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00		
Dataset: PROCESSED_0512345091_Anadarko_Newby State 36N-4HZ_RBL_CNL_03-12-18.db: field/well/log/pass10.3 Total length: 28.90 ft Total weight: 283.60 lb O.D.: 2.75 in								

Calibration Report		
Database File	C:\ProgramData\Warrior\Data\0512345091_Anadarko_Newby State 36N-4HZ_RBL_CNL_03-12-18\PROCESSED_0512345091	
Dataset Pathname	log/pass10.3	
Dataset Creation	Mon Mar 12 13:09:27 2018	
Compensated Neutron Calibration Report		
Type / Serial:	2750 BL / FW1308-020_A1483	
Source / Verifier:	/	
Temperature:		
SHOP CALIBRATION		
Wed Oct 11 09:42:11 2017		
	Cal Tube	Units
Tank Ratio		SS/LS
Tank Porosity		pu
LS Detector		cps
SS Detector		cps
Tool Ratio		SS/LS
Tool Porosity		pu

Tool Constant =						
Field Verifier	SS Detector	LS Detector	Ratio	Porosity		
PRE-SURVEY VERIFICATION						
	SS Detector	LS Detector	Ratio	Porosity		
POST-SURVEY VERIFICATION						
	SS Detector	LS Detector	Ratio	Porosity		
Gamma Ray Calibration Report						
Serial Number:	FW1304-132					
Tool Model:	2750 6PB					
Performed:	Tue Nov 28 11:17:11 2017					
Calibrator Value:	637.0	GAPI				
Background Reading:	109.1	cps				
Calibrator Reading:	1009.7	cps				
Sensitivity:	0.7072	GAPI/cps				
Segmented Cement Bond Log Calibration Report						
Serial Number:	FW1308-091					
Tool Model:	2750 RBT					
Calibration Casing Diameter:	5.500	in				
Calibration Depth:	72.493	ft				
Master Calibration, performed (Derived):						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.507	0.800	71.921	140.488	0.716
CAL	0.004	0.604				
5'	-0.006	0.471	0.800	71.921	149.187	1.714
SUM						
S1	0.001	0.473	0.000	100.000	211.647	-0.127
S2	0.001	0.497	0.000	100.000	201.288	-0.120
S3	-0.002	0.527	0.000	100.000	189.085	0.292
S4	0.001	0.551	0.000	100.000	181.665	-0.118
S5	0.001	0.560	0.000	100.000	178.650	-0.111
S6	0.001	0.528	0.000	100.000	189.433	-0.104
S7	0.001	0.490	0.000	100.000	204.446	-0.112
S8	0.001	0.479	0.000	100.000	208.968	-0.120
Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.604	1.000	0.000
Air Zero Calibration, performed Mon Mar 12 09:05:11 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: 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	
Offset:	8.94	
Delta Spacing	1	



Company Kerr-McGee Oil & Gas Onshore, L.P.
Well Newby State 36N-4HZ
Field Wattenberg
County Weld
State Colorado