



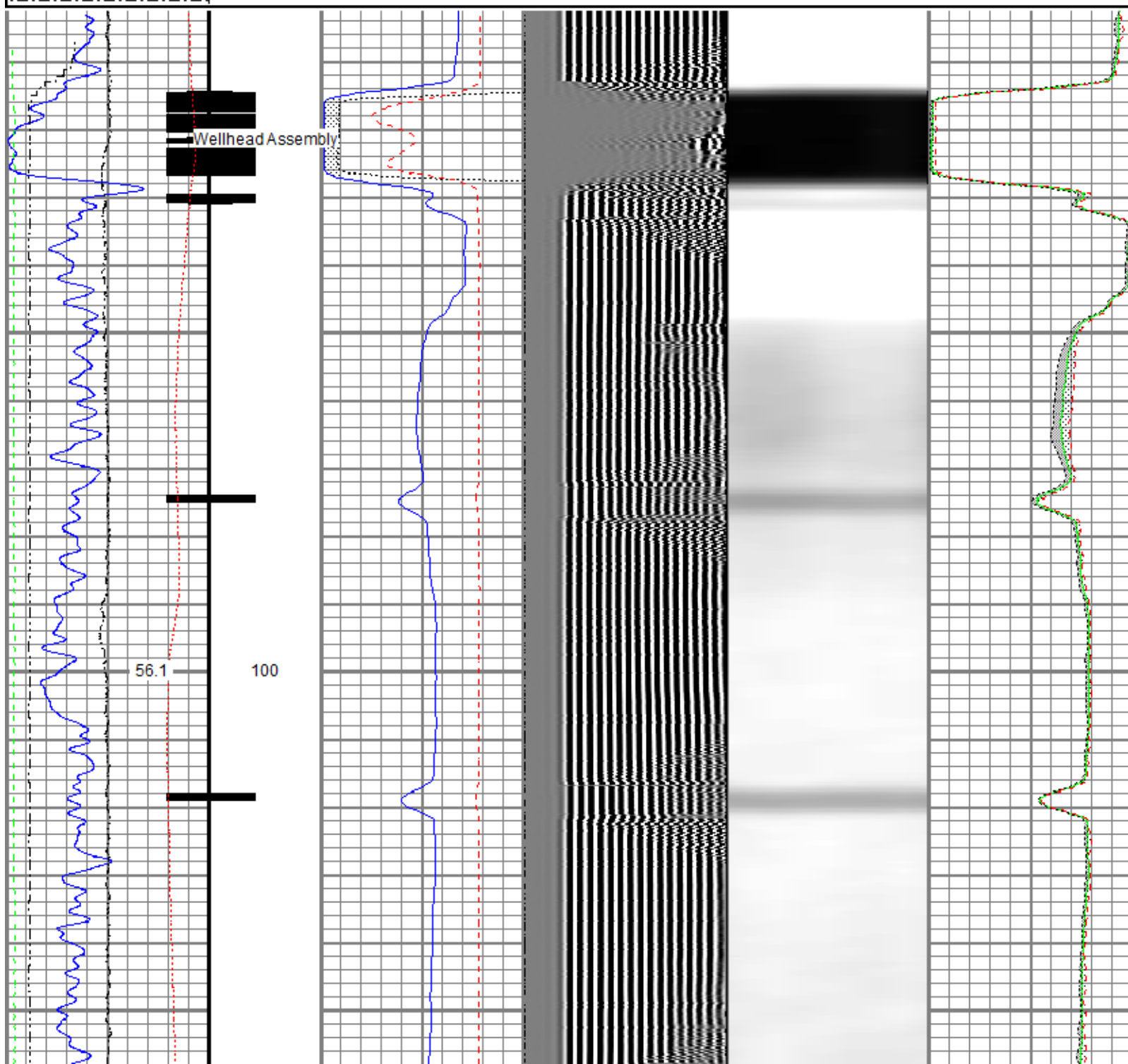
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 Kelly Bushing of 26 FT Adjusted +2 FT to correlate with Kelly Bushing Gauge Ring/Junk Basket ran to 7843 FT with no debris Log ran from just above WRBP Recorded with 2800 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>

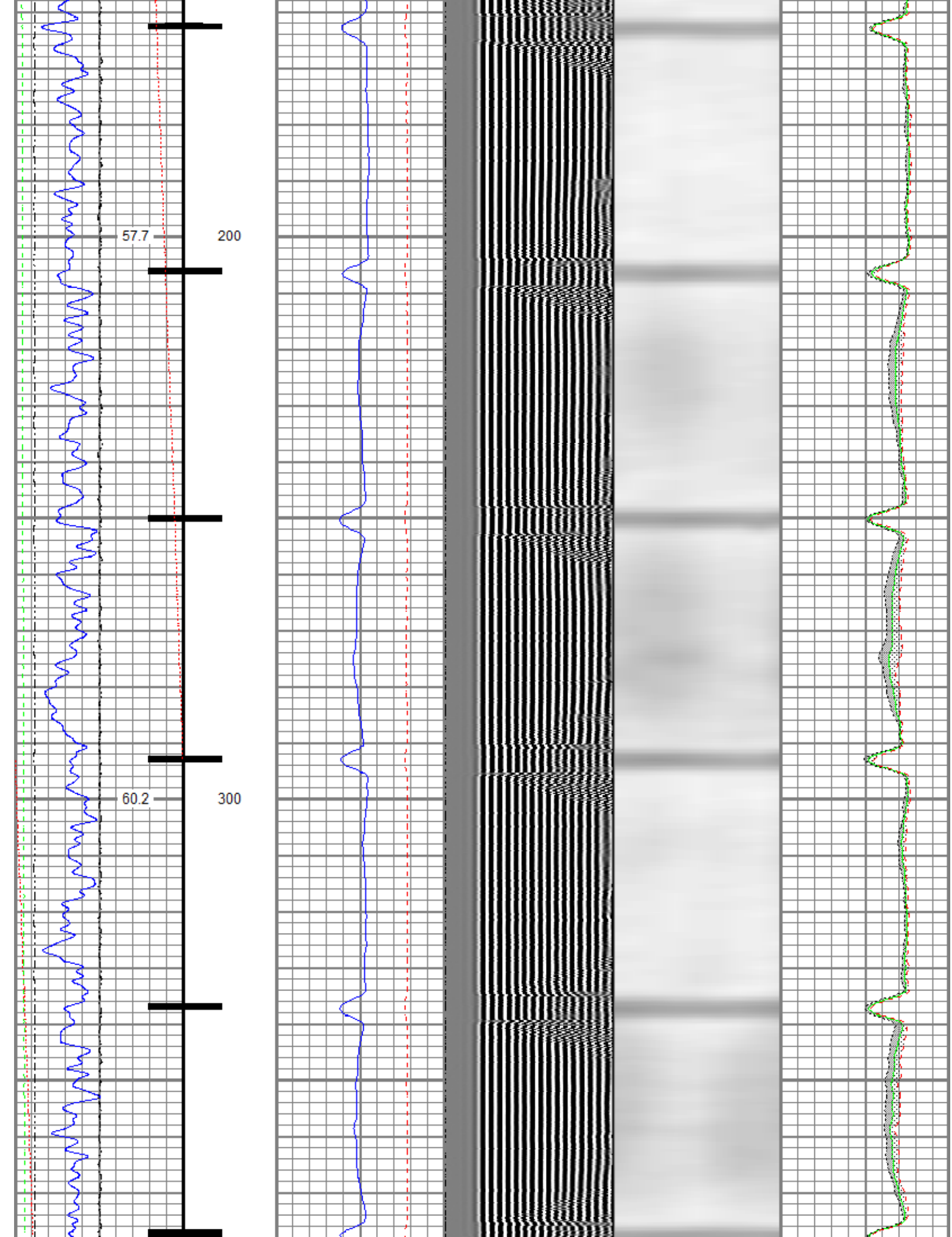


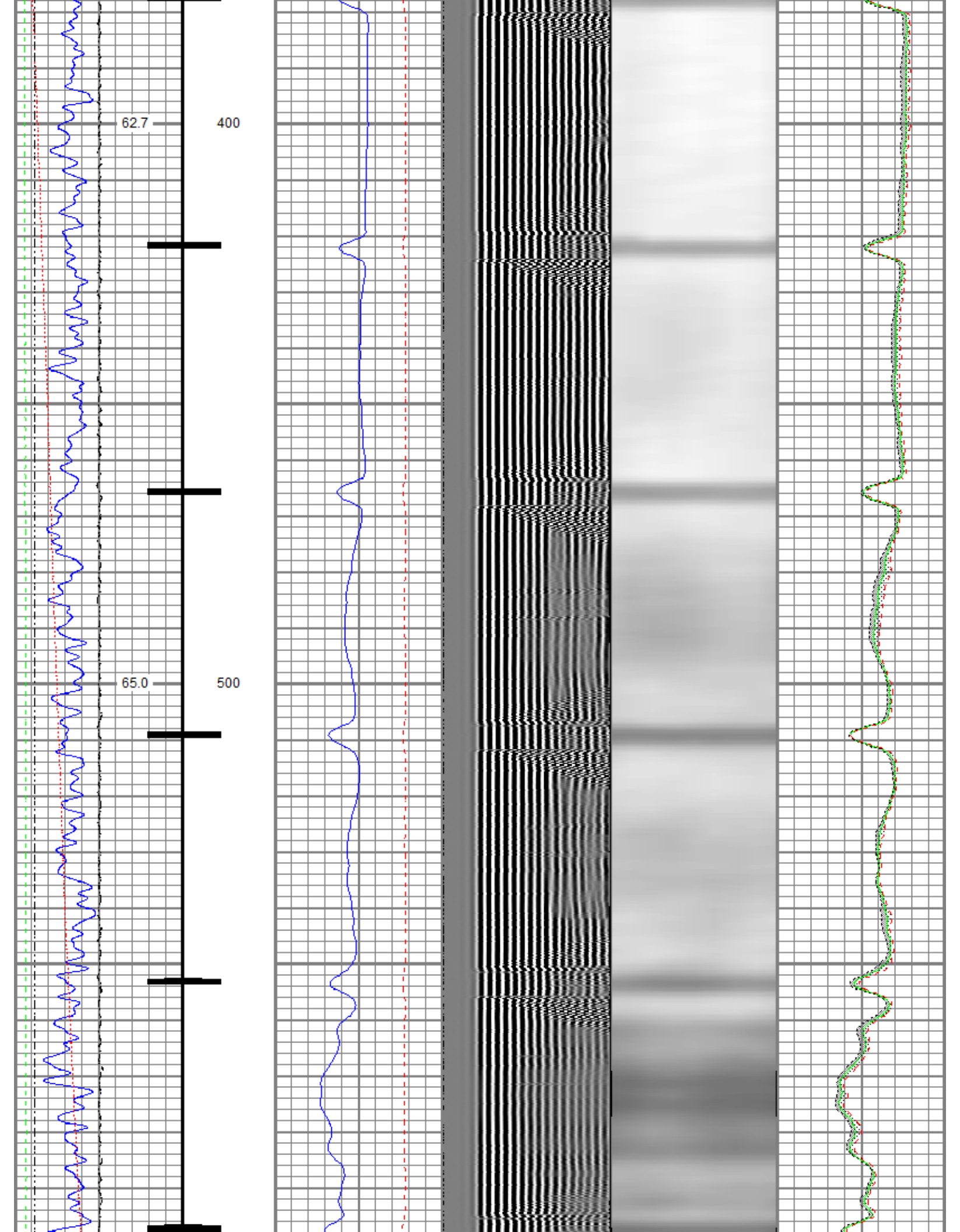
Recorded With 2800 PSI Surface Induced Pressure

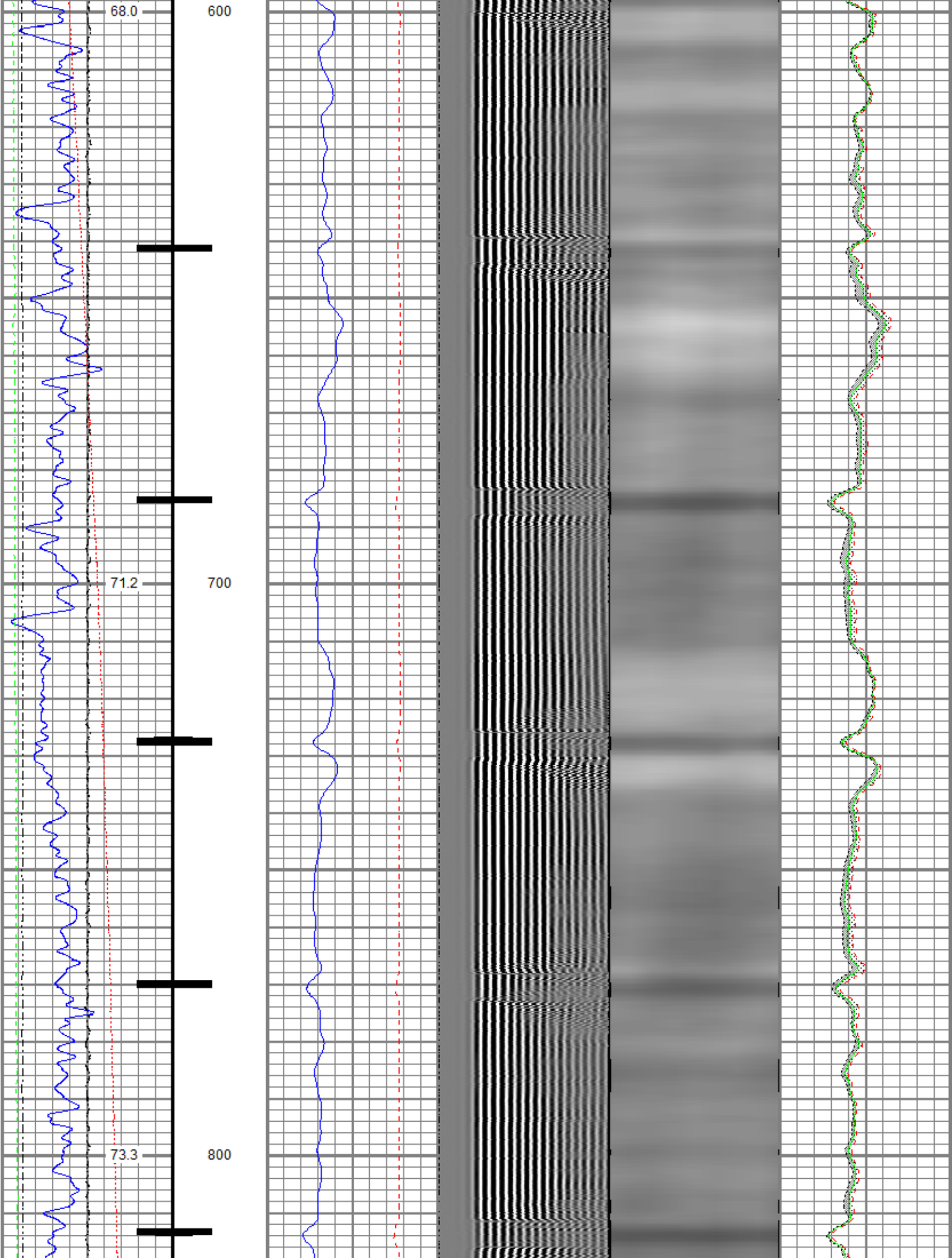
Database File	anadarko_borough 27c-17hz\0512345227_anadarko_borough 27c-17hz_rbl_01-19-18.db
Dataset Pathname	pass4.1
Presentation Format	ros_radri
Dataset Creation	Fri Jan 19 11:58:12 2018
Charted by	Depth in Feet scaled 1:240

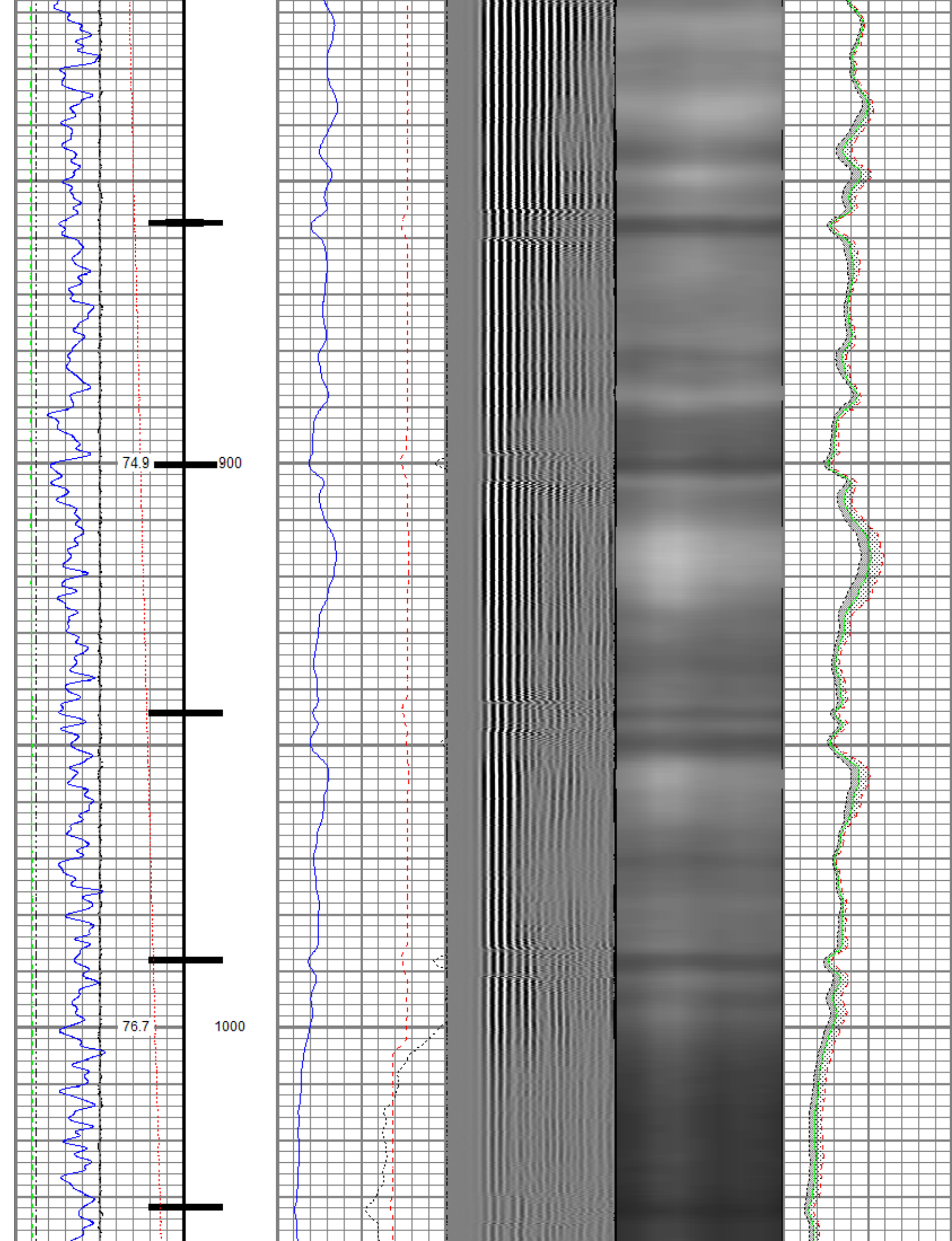
Gamma Ray	0	3' Amplitude (mV)	100	5' Variable Density Log	Sector Map	0	Average Amplitude	100
(GAPI)	120	3' Amplitude x 5	200	1200			Minimum Amplitude	
Casing Collar Locator		(mV)	20					
0	Temperature (degF)	20	3' Travel Time				Maximum Amplitude	
	Line Speed		650	(usec)				100
-150	(ft/min)	150				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

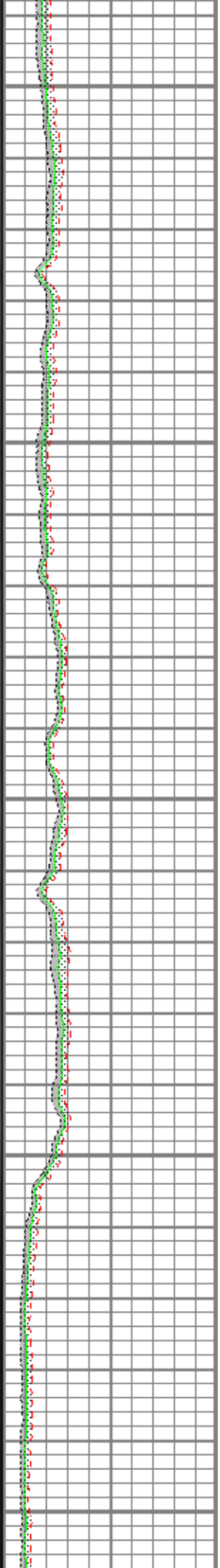
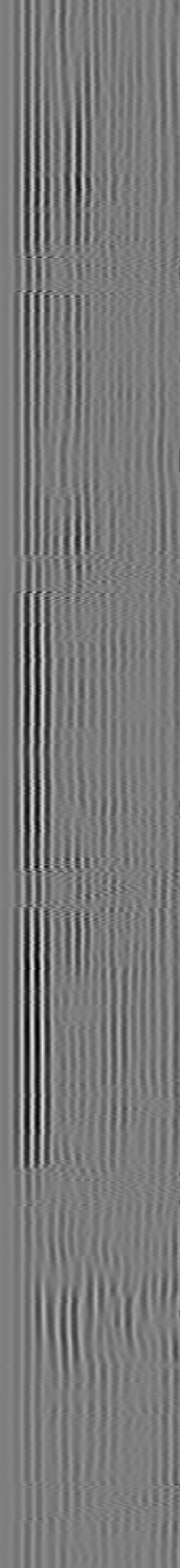
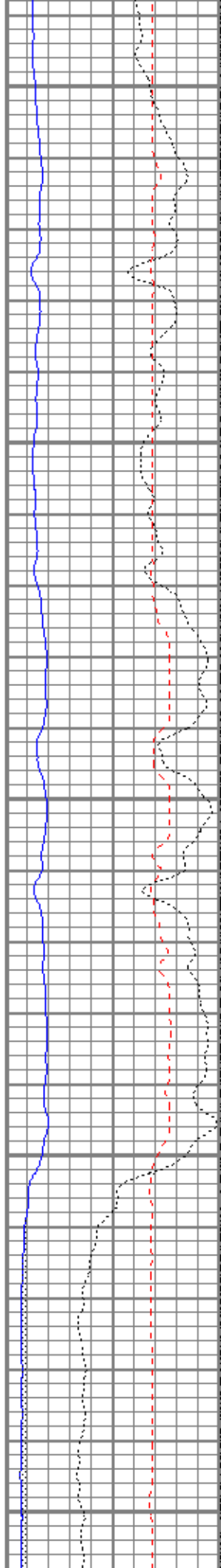
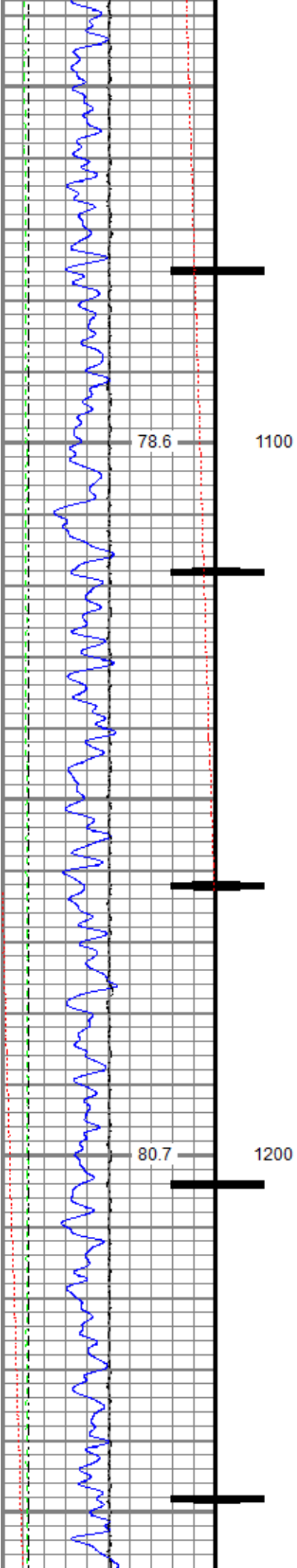


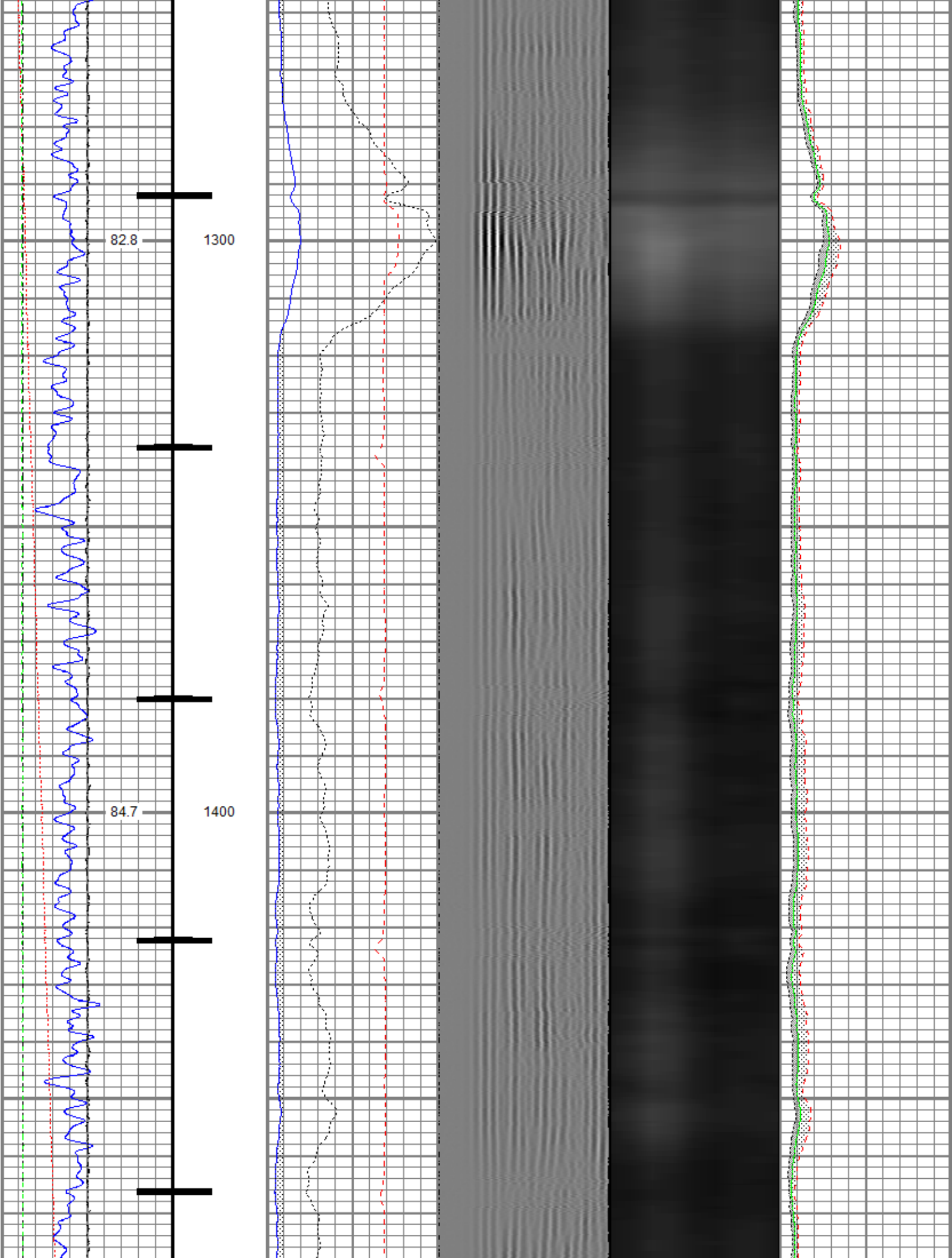


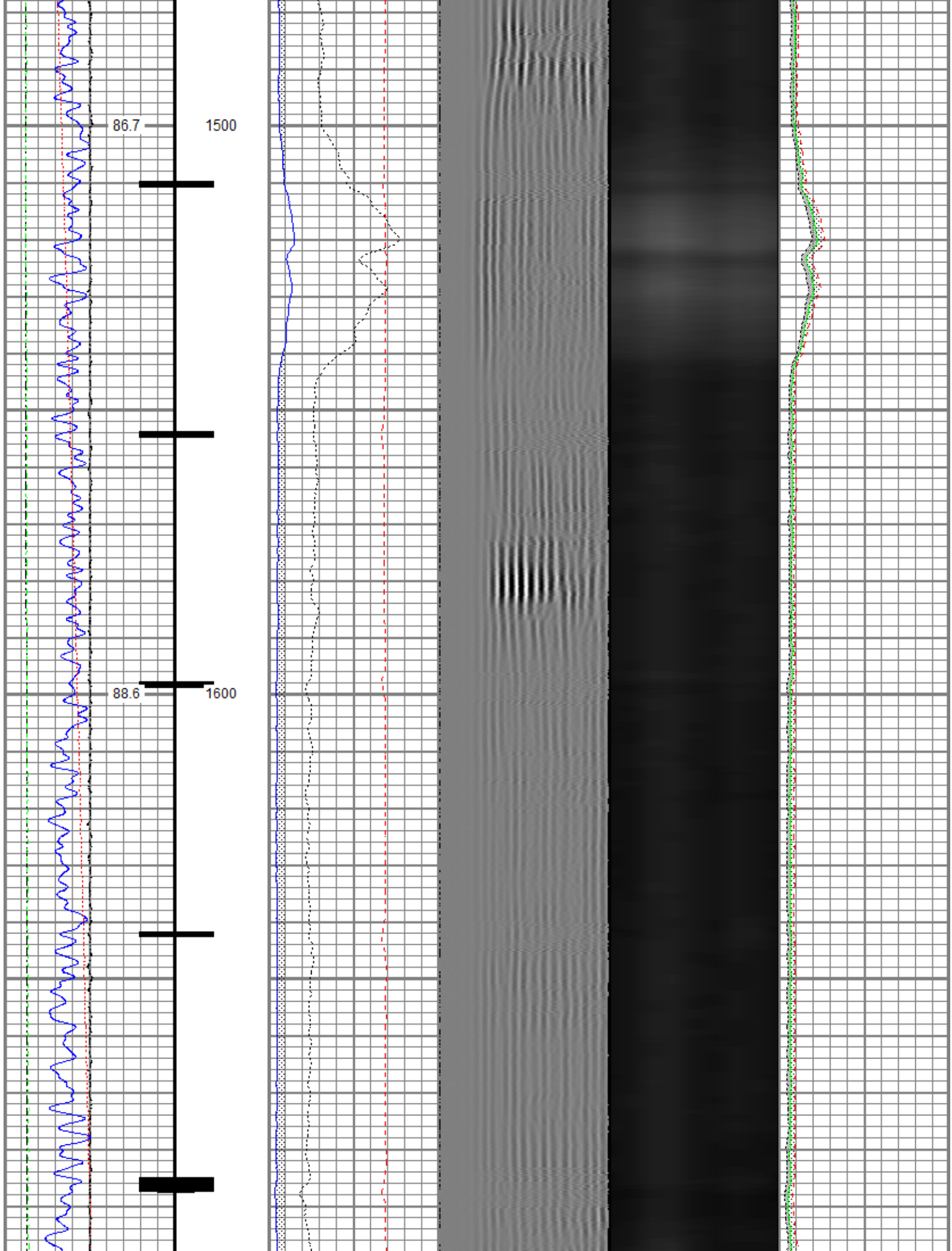


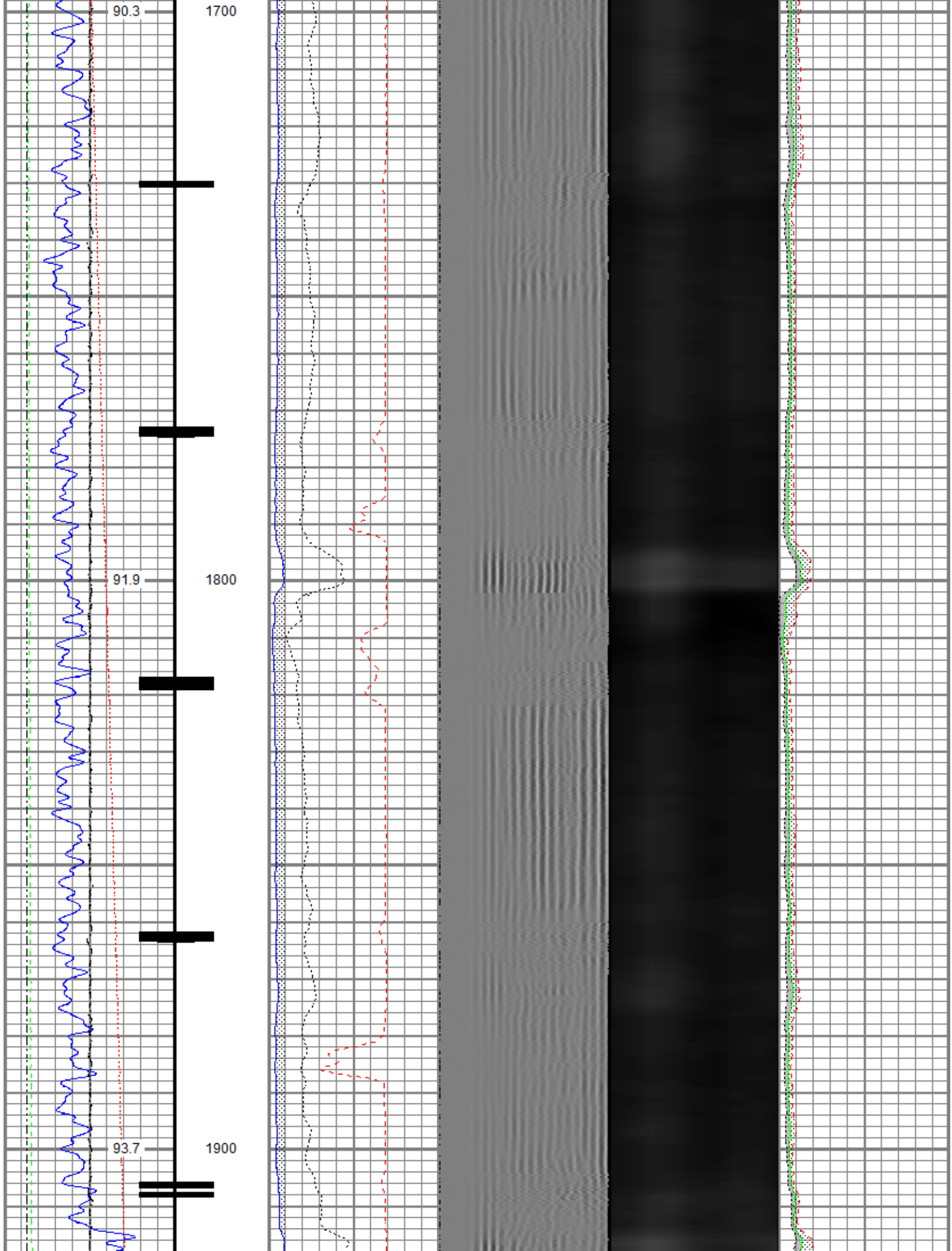


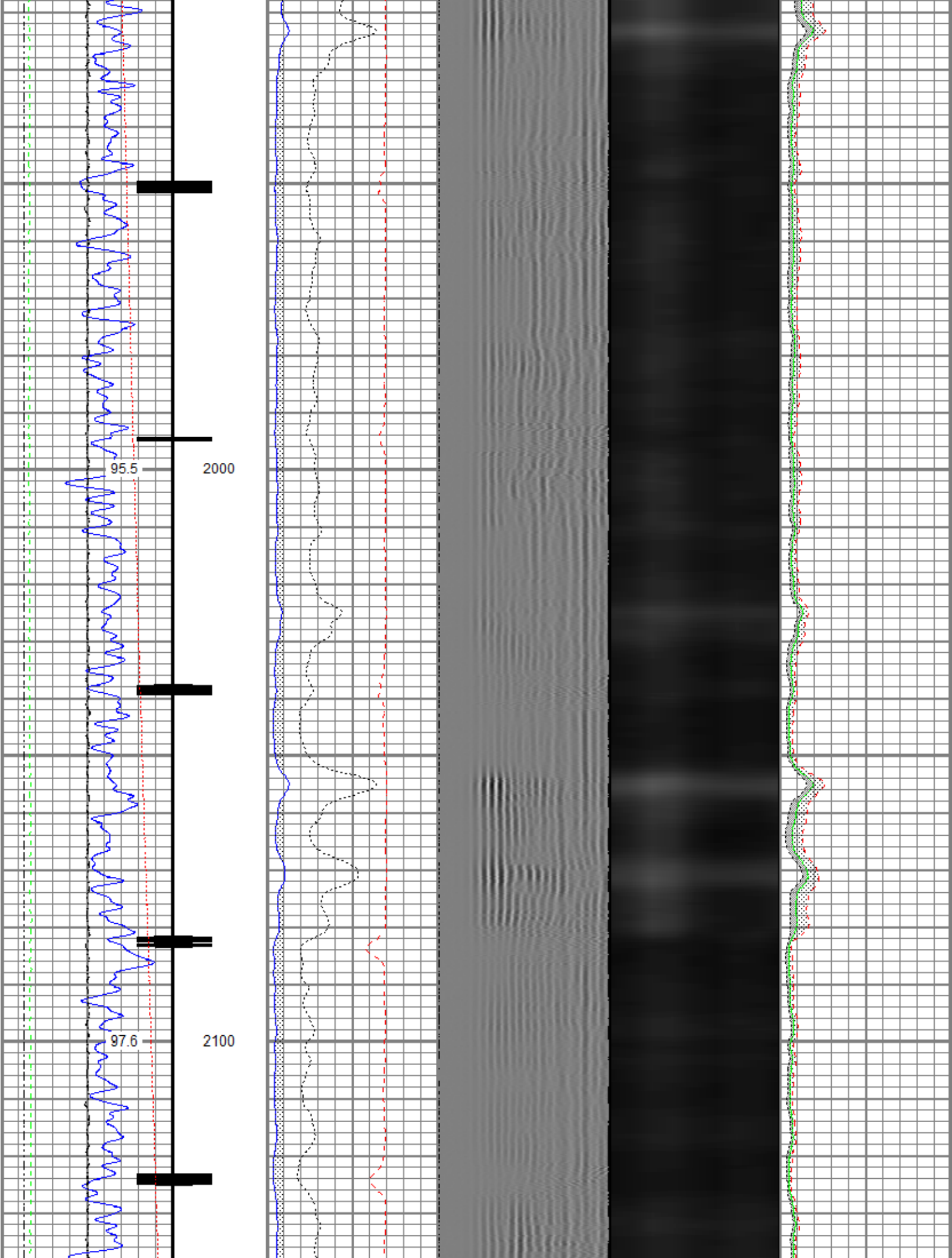


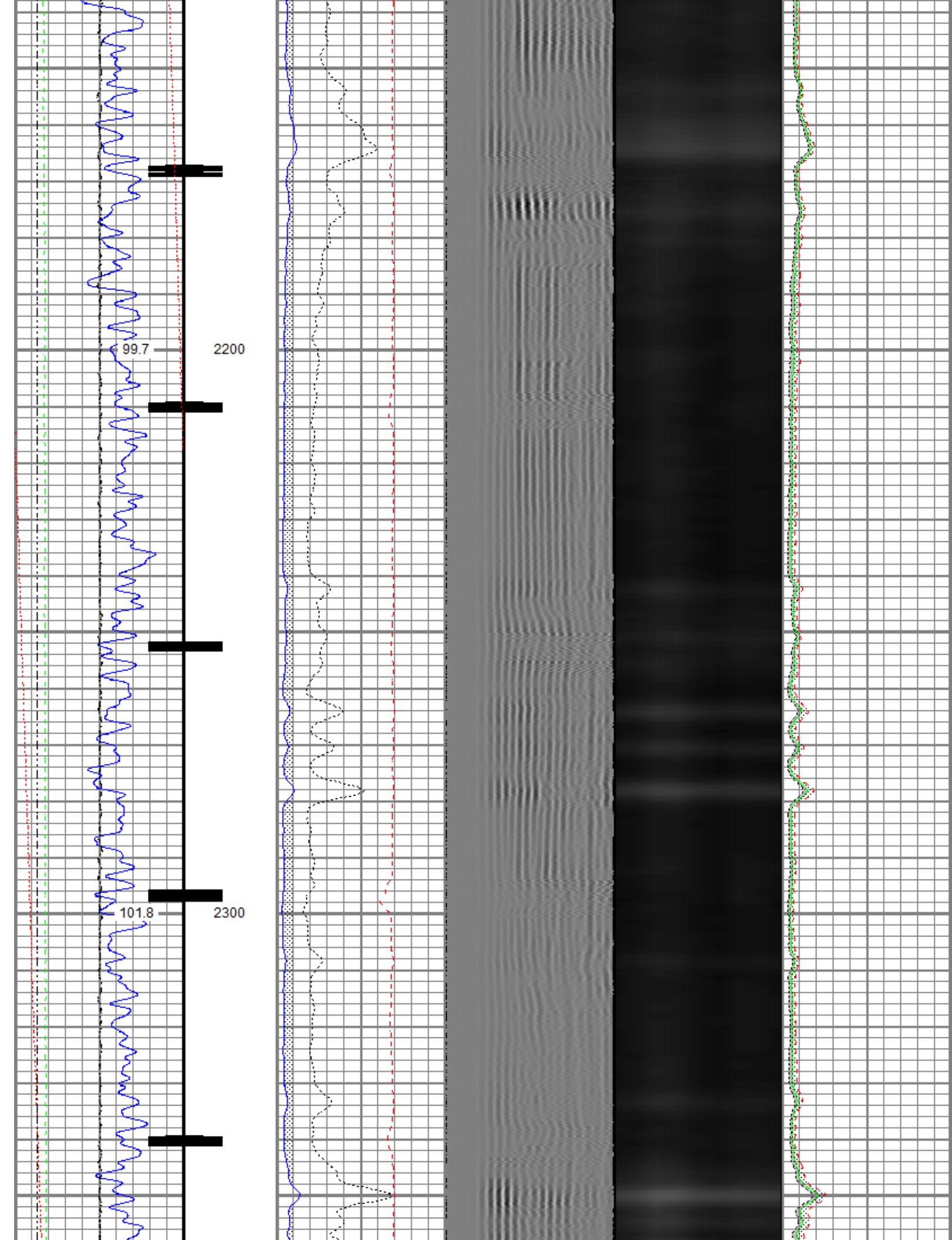


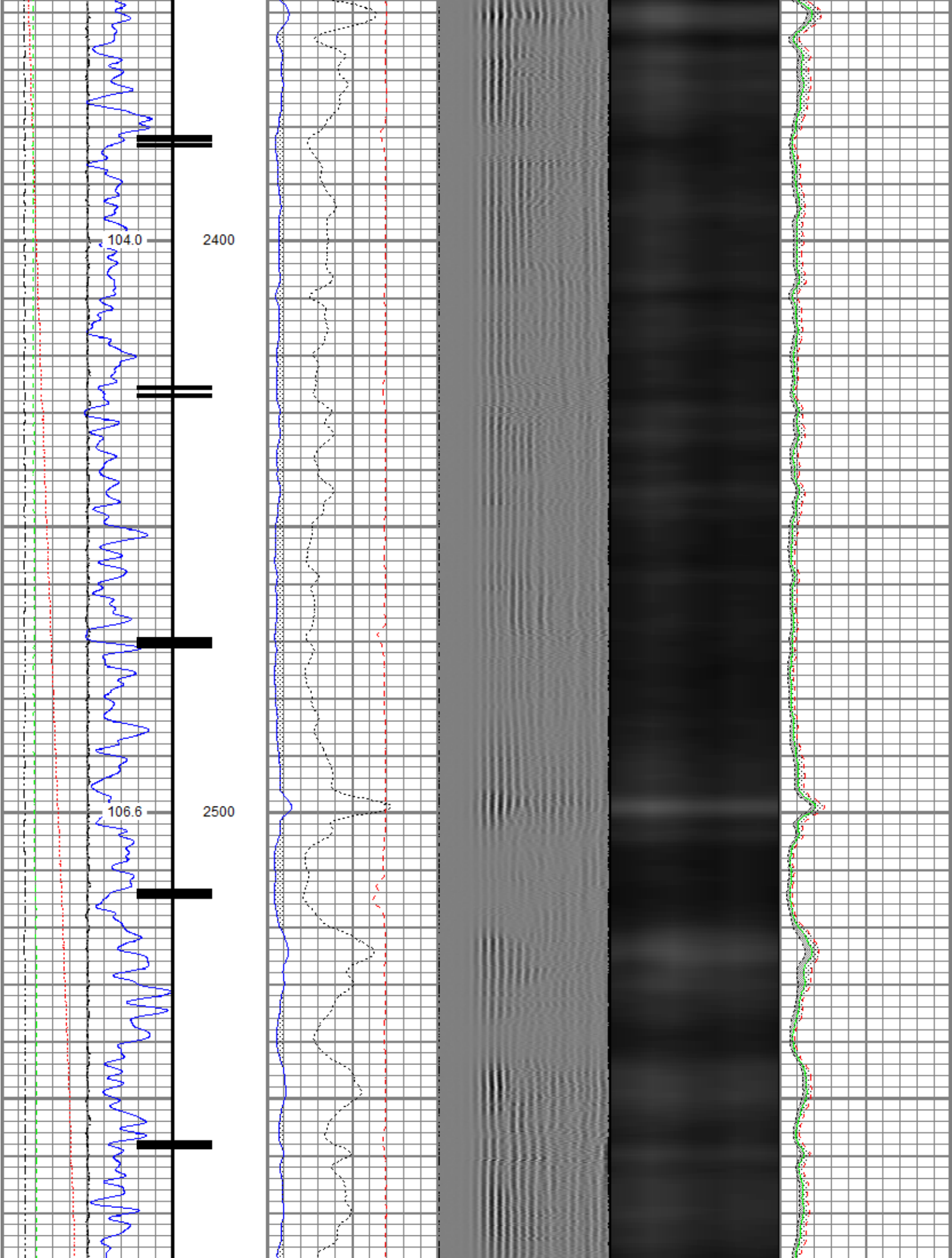


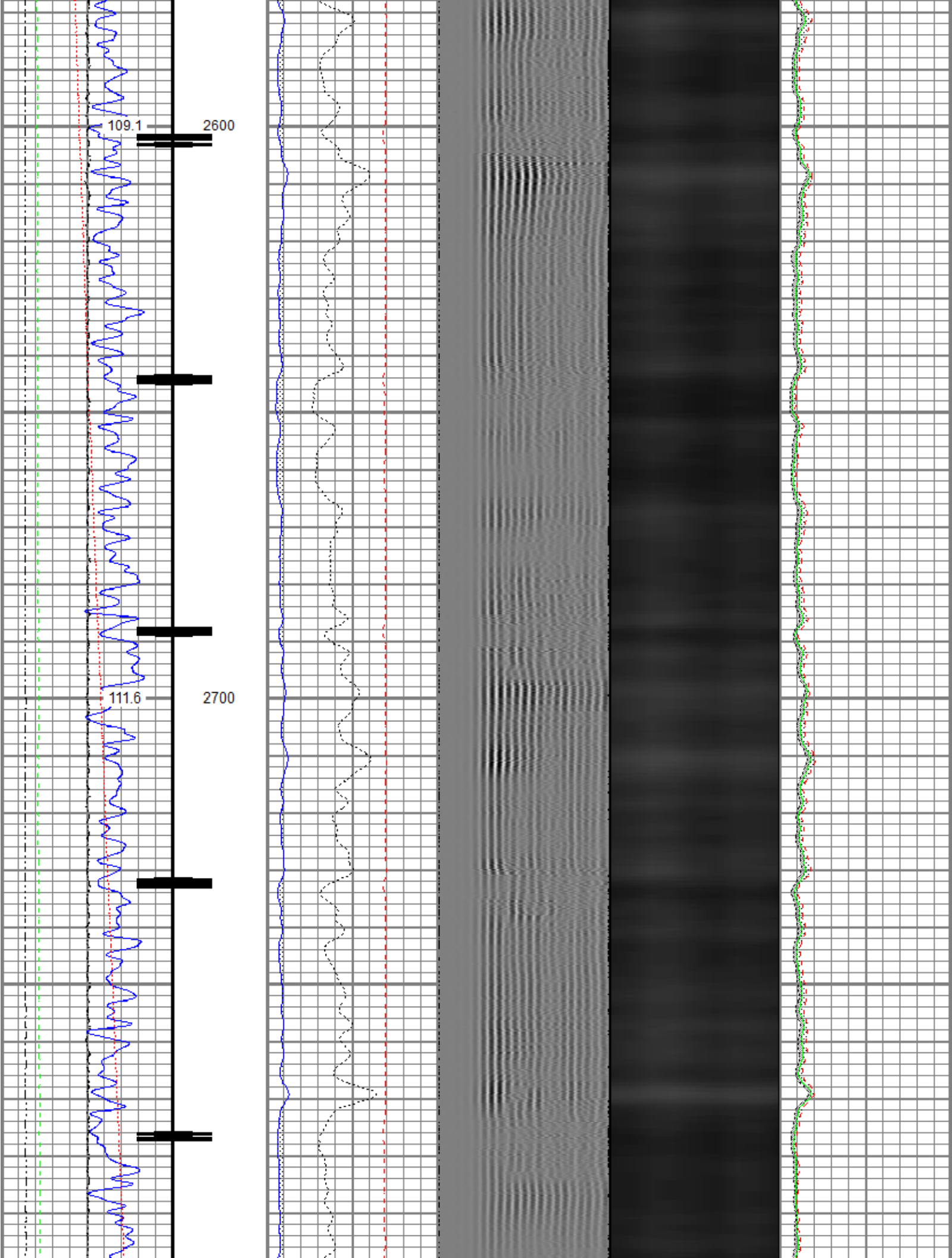


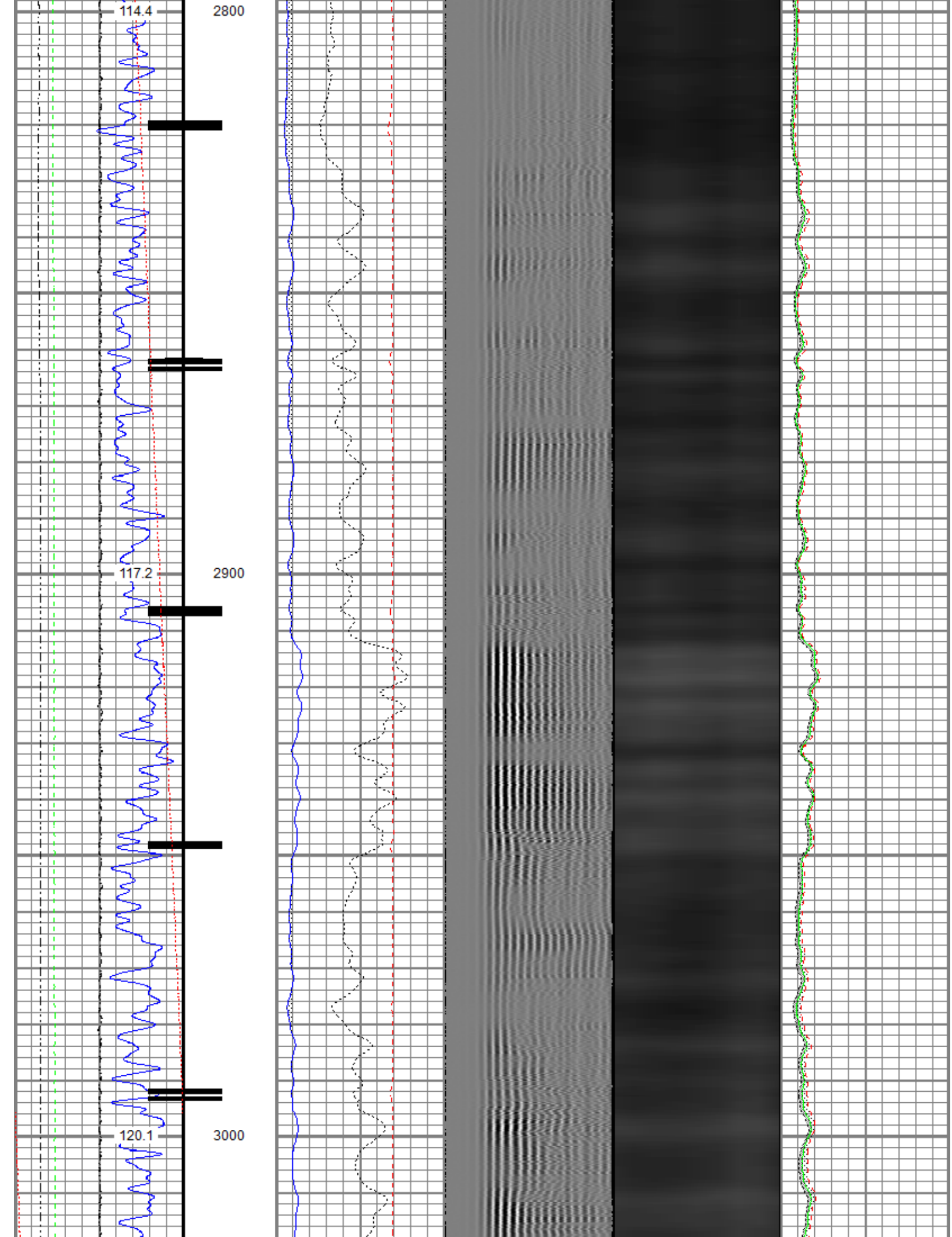


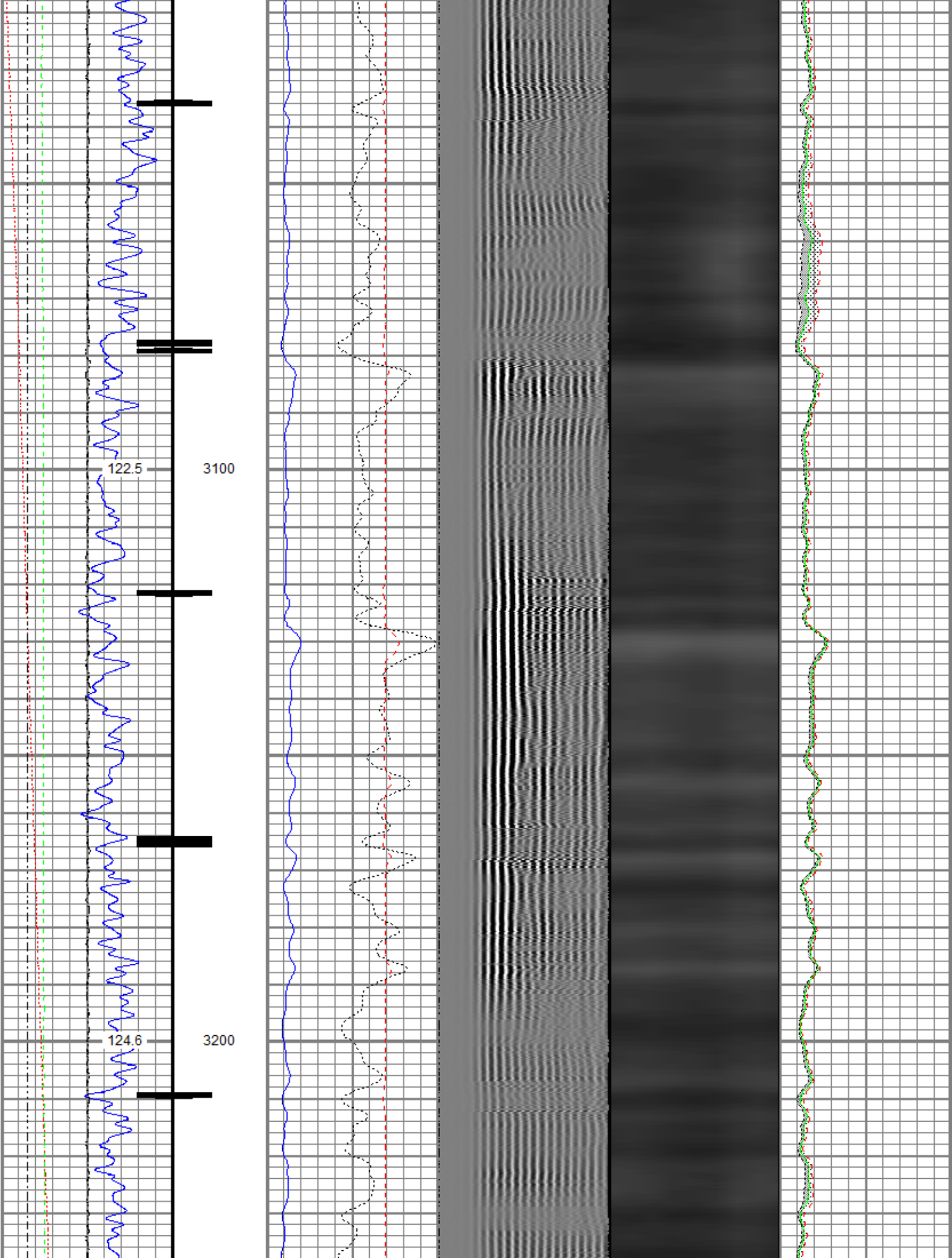


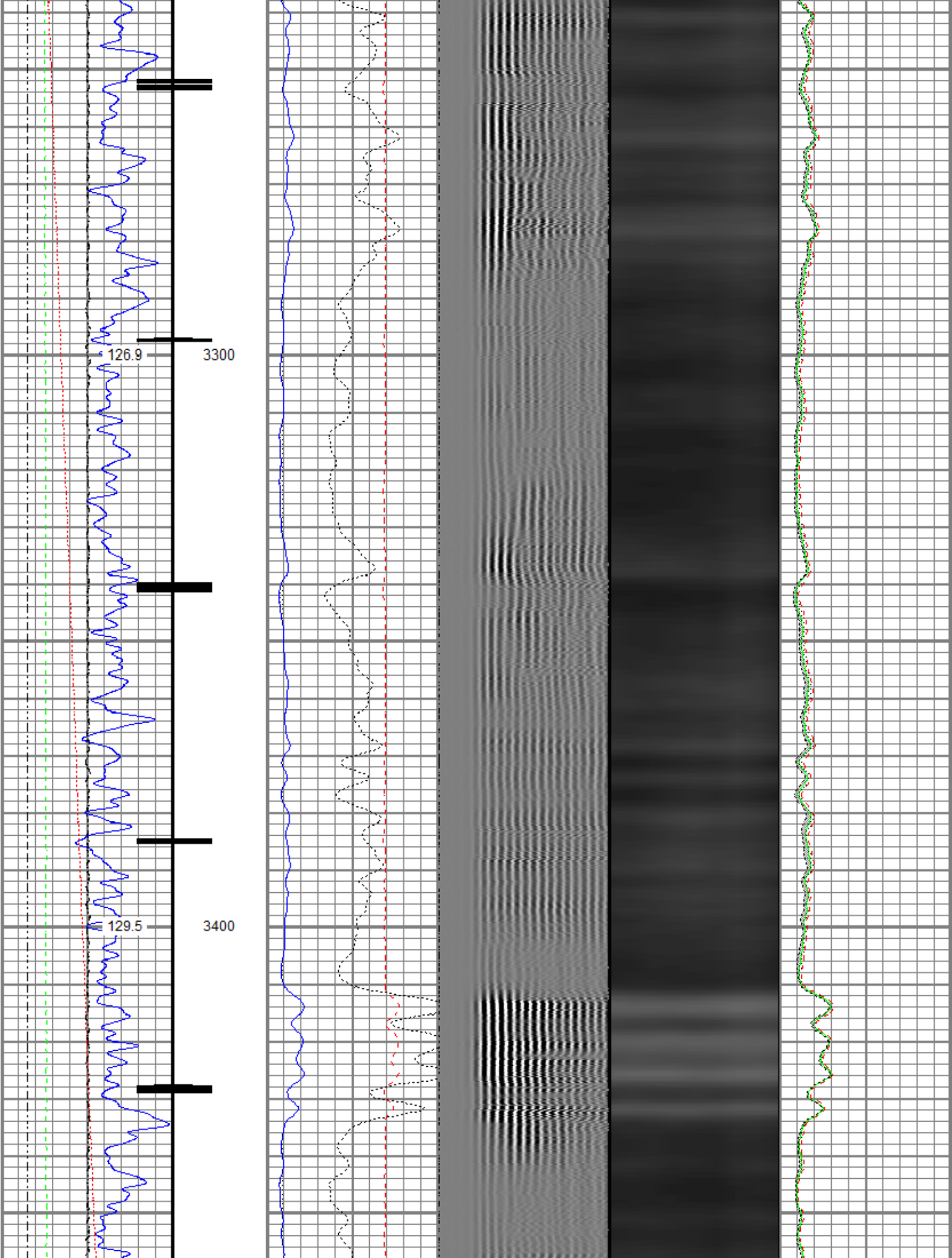


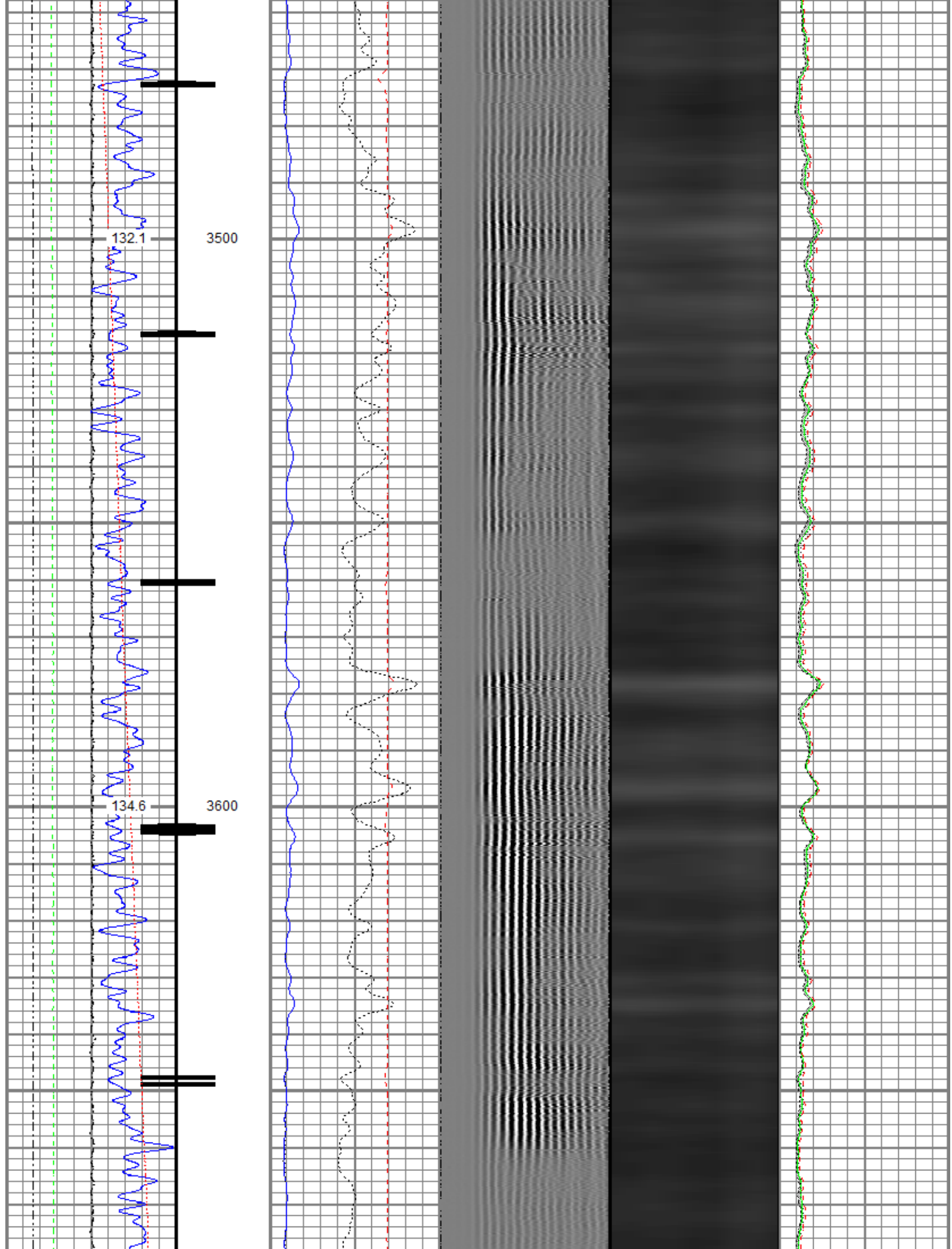


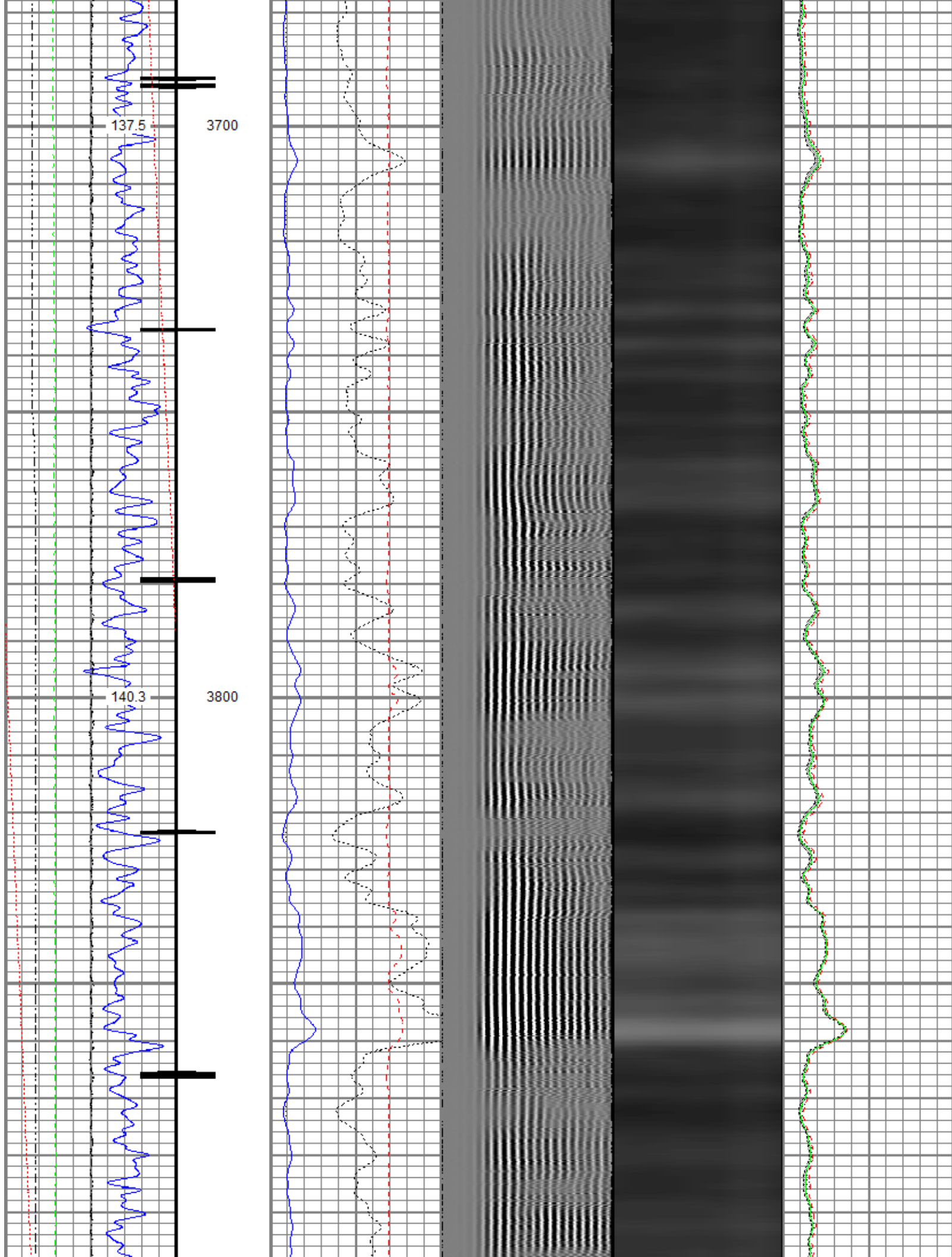


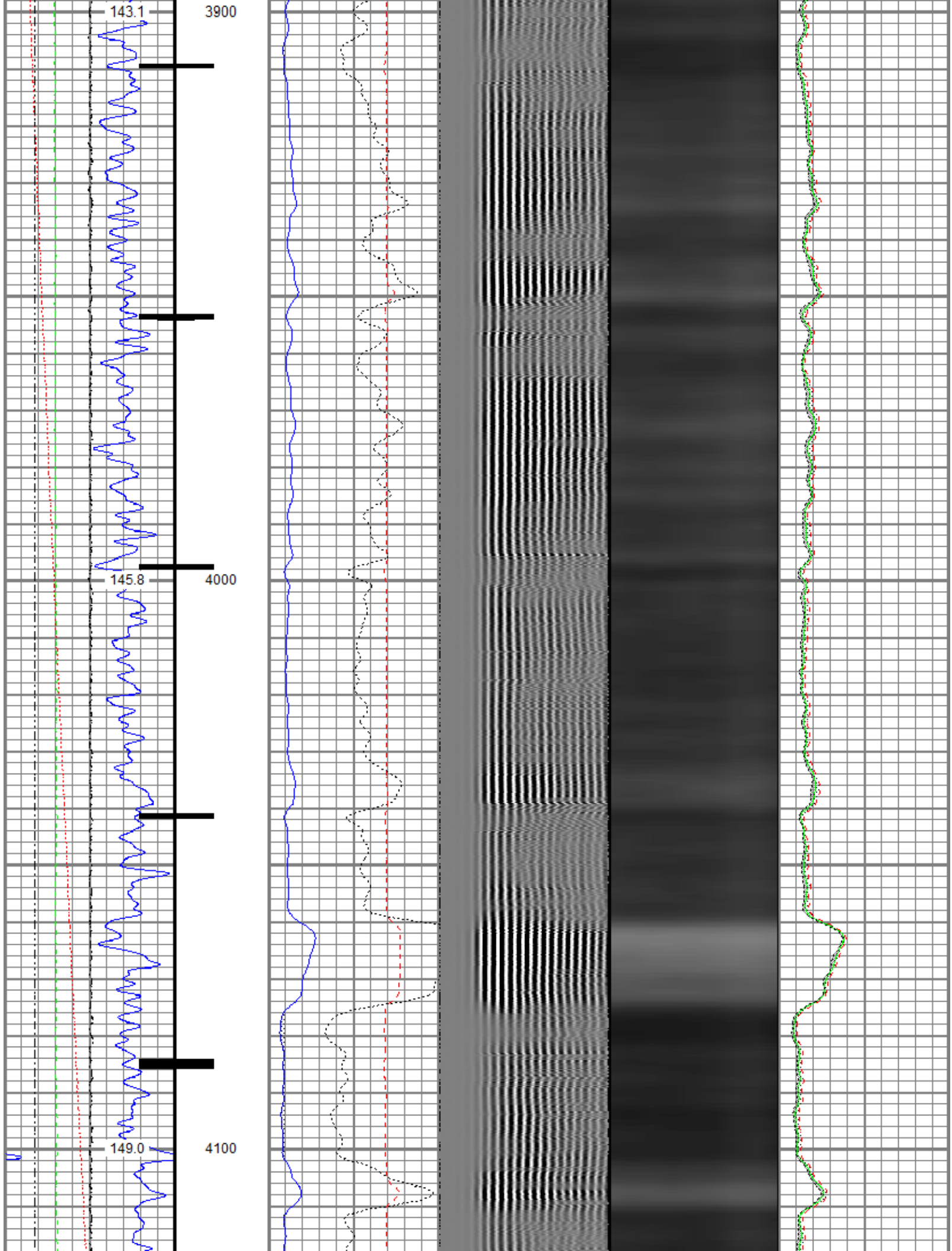


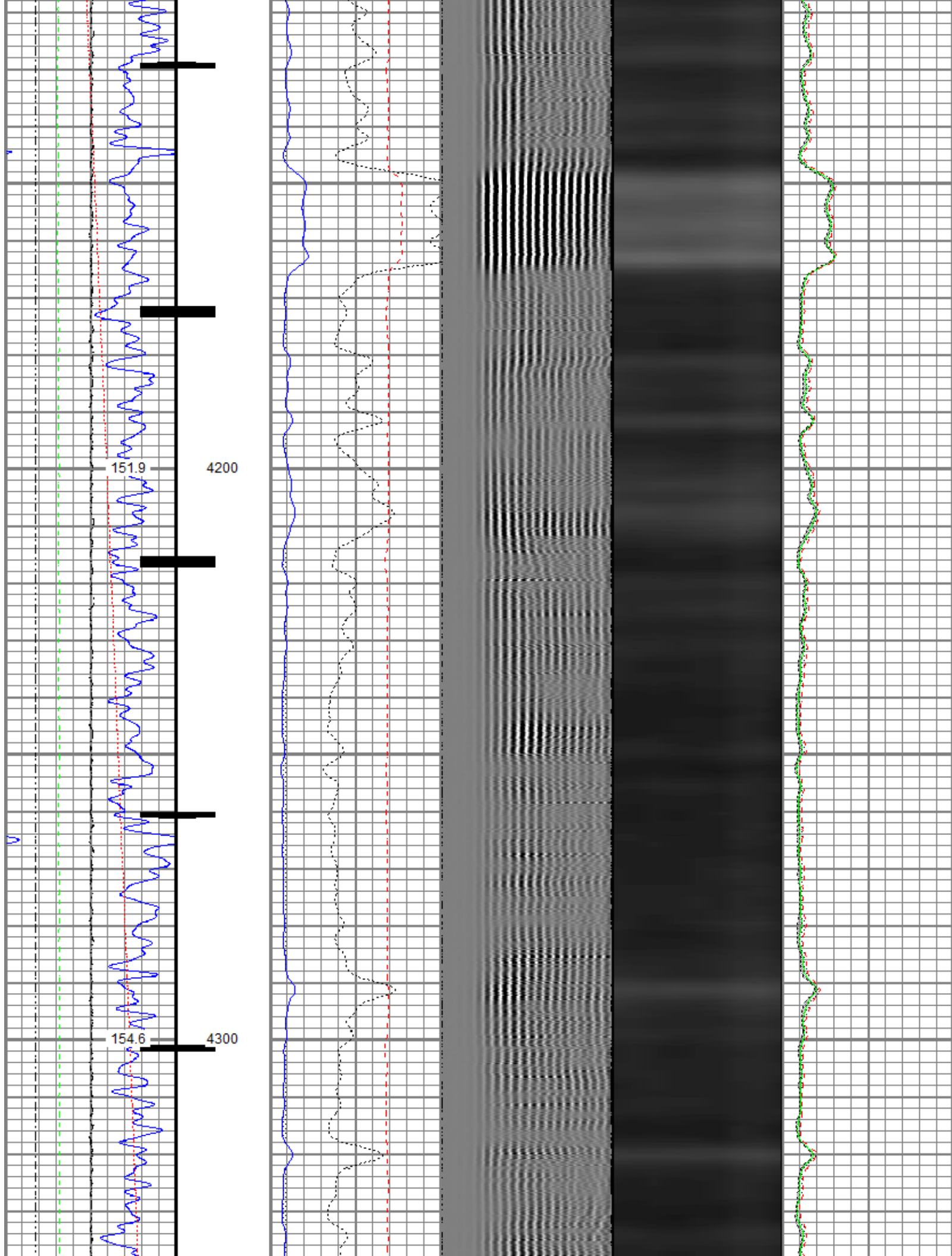


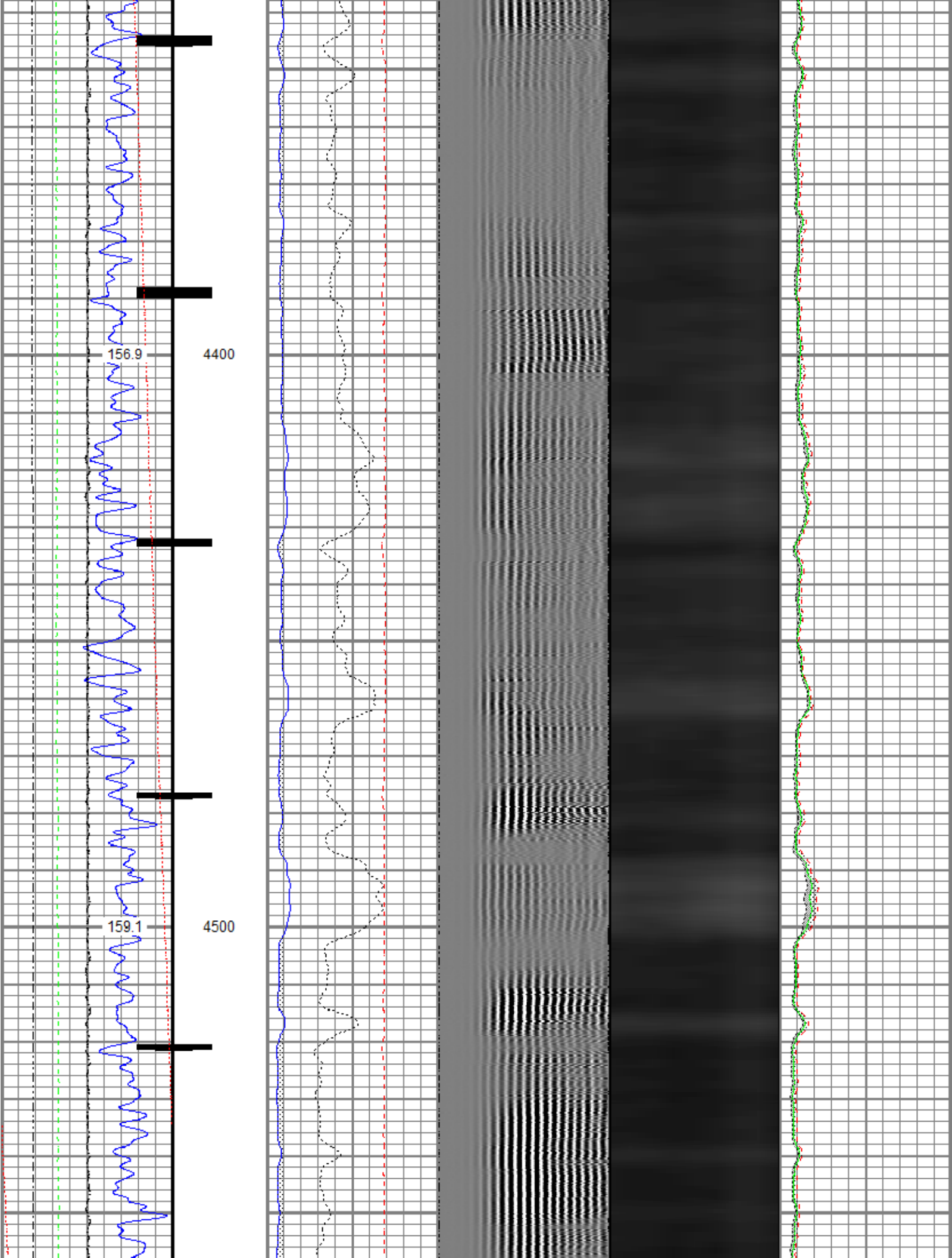


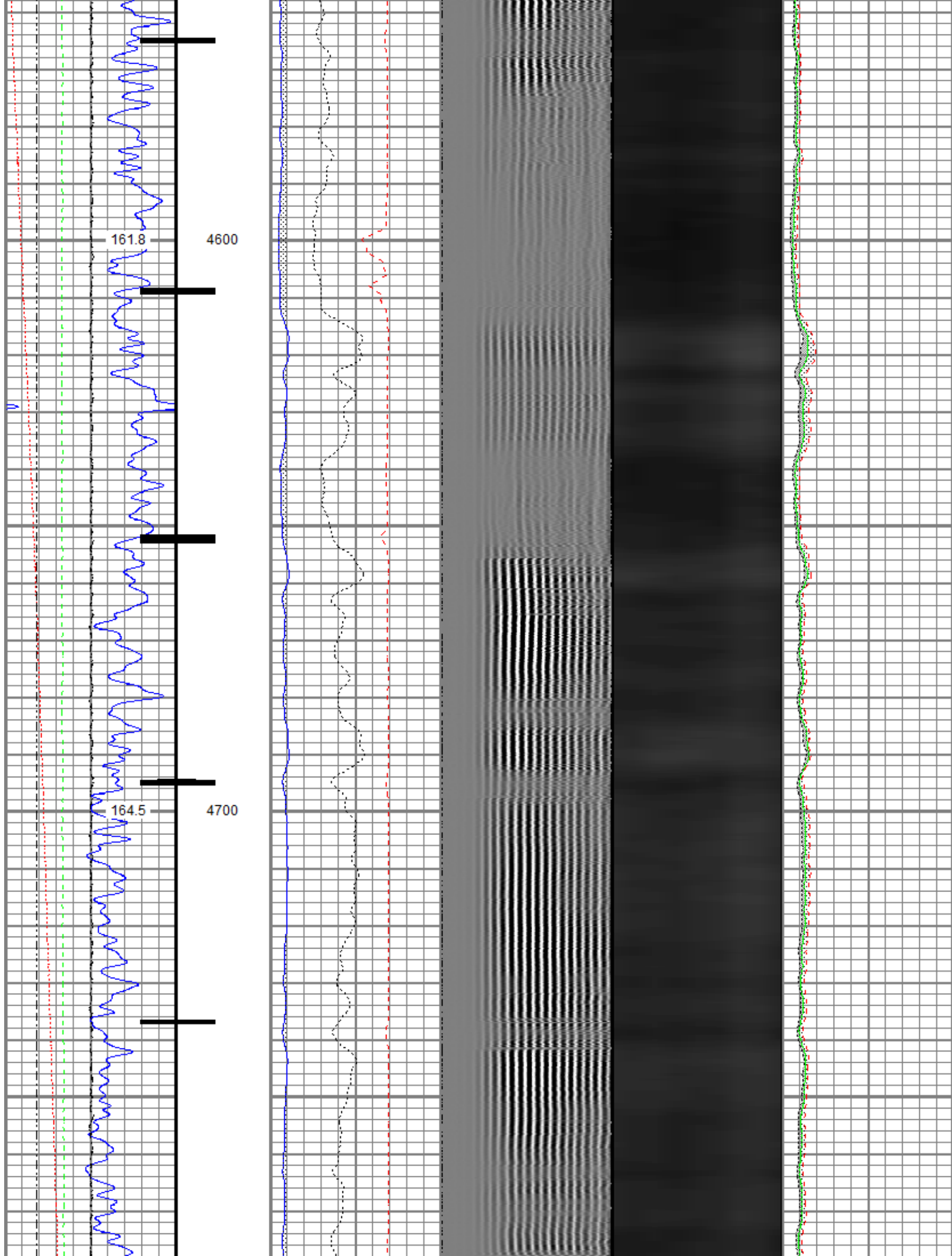


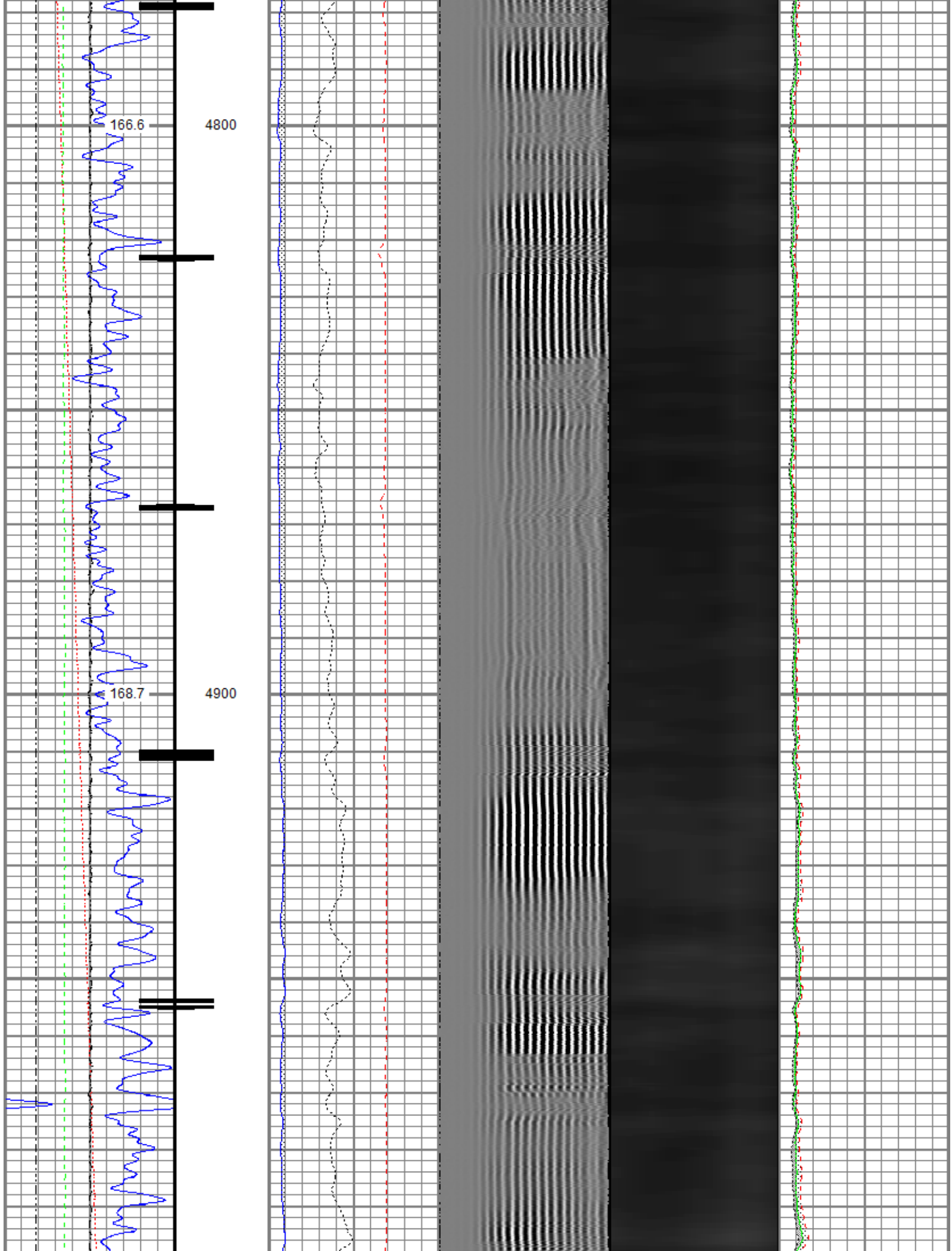


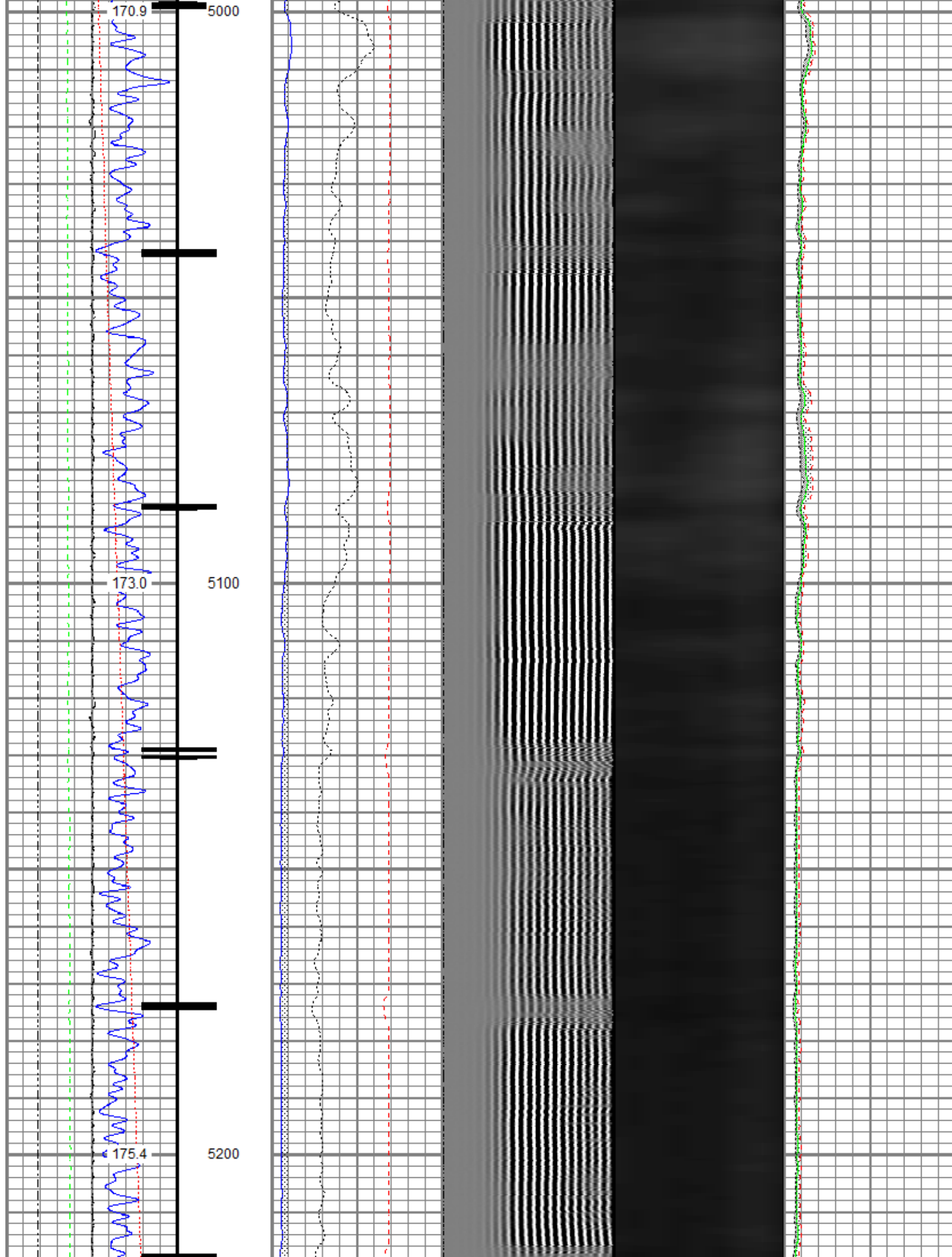


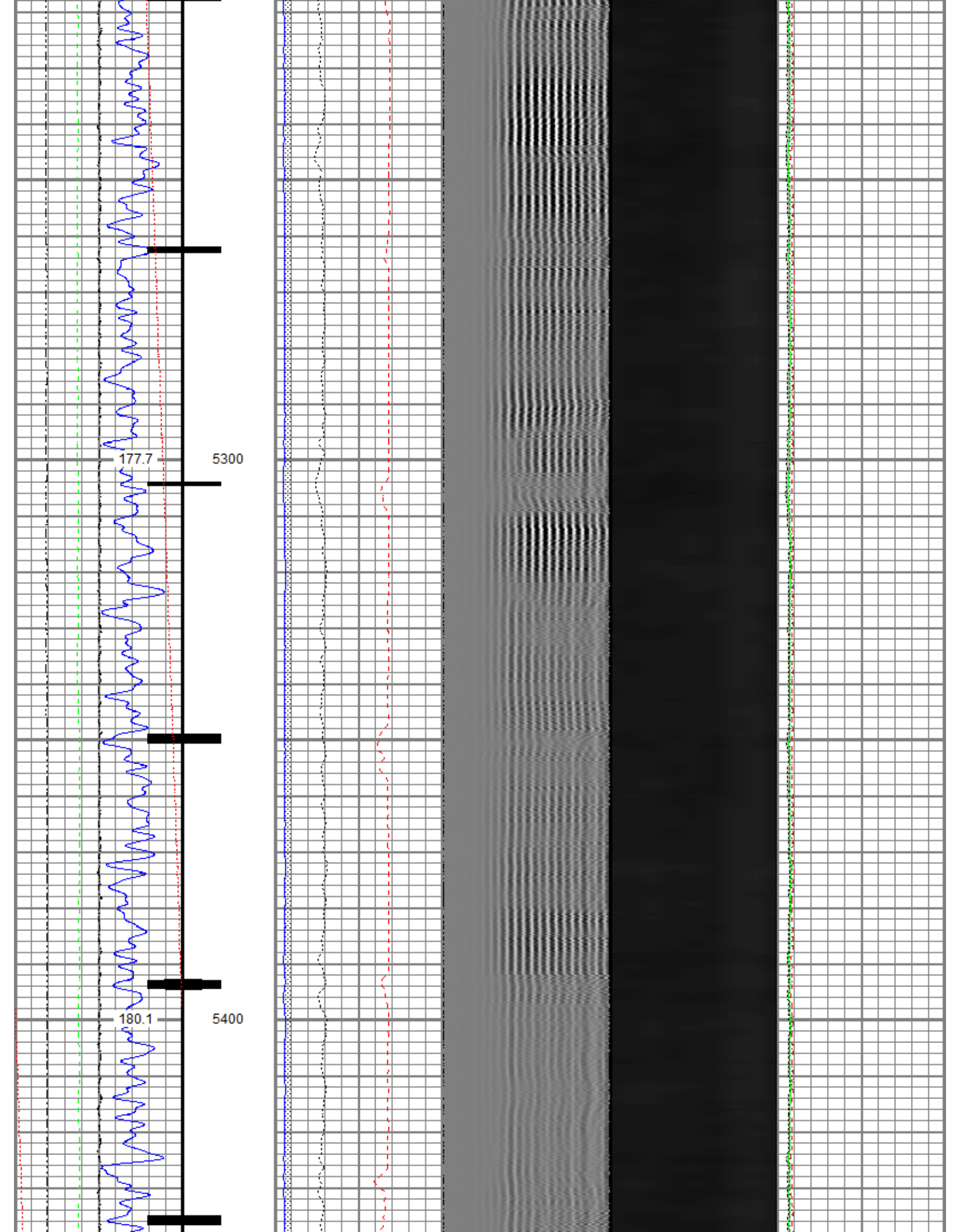


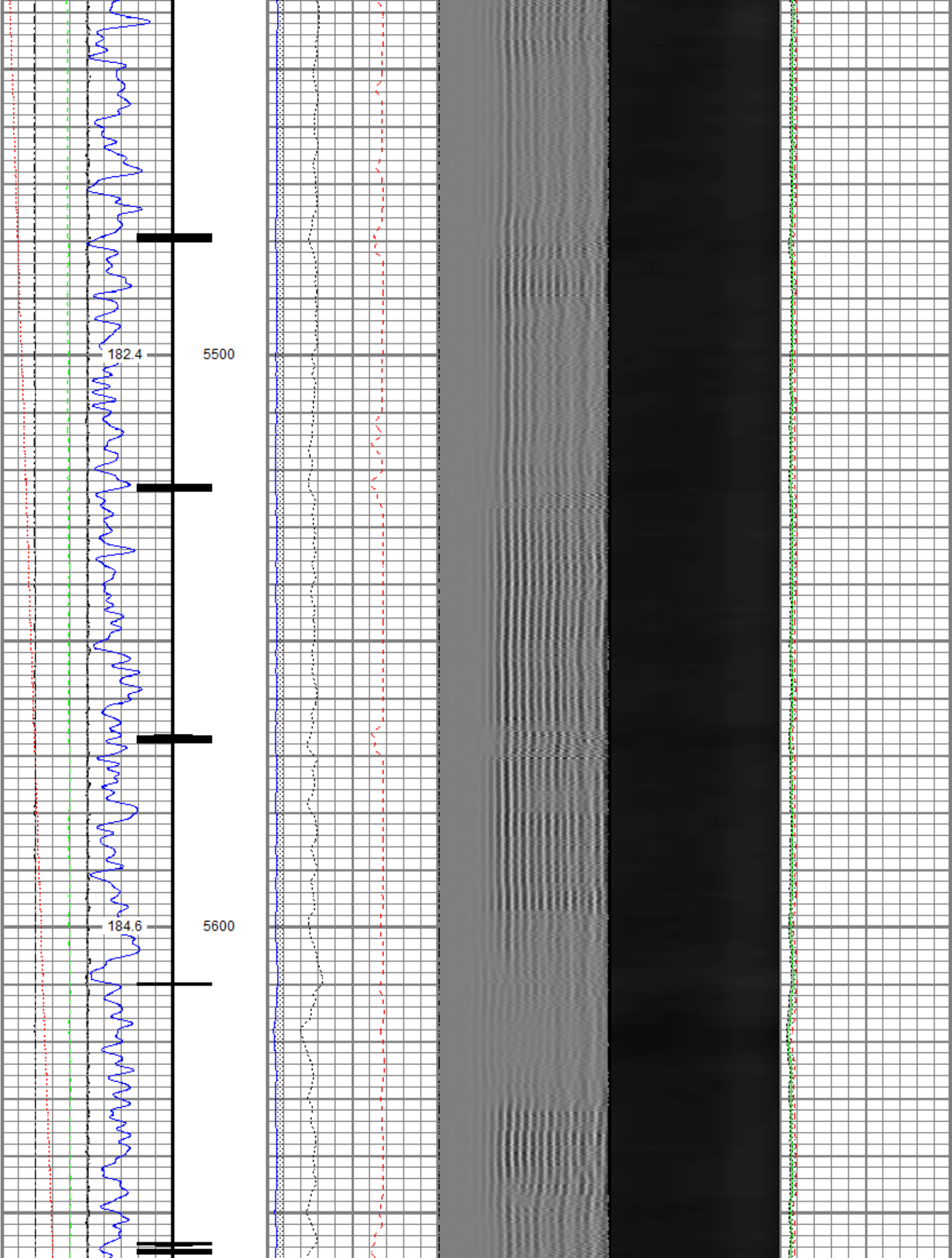


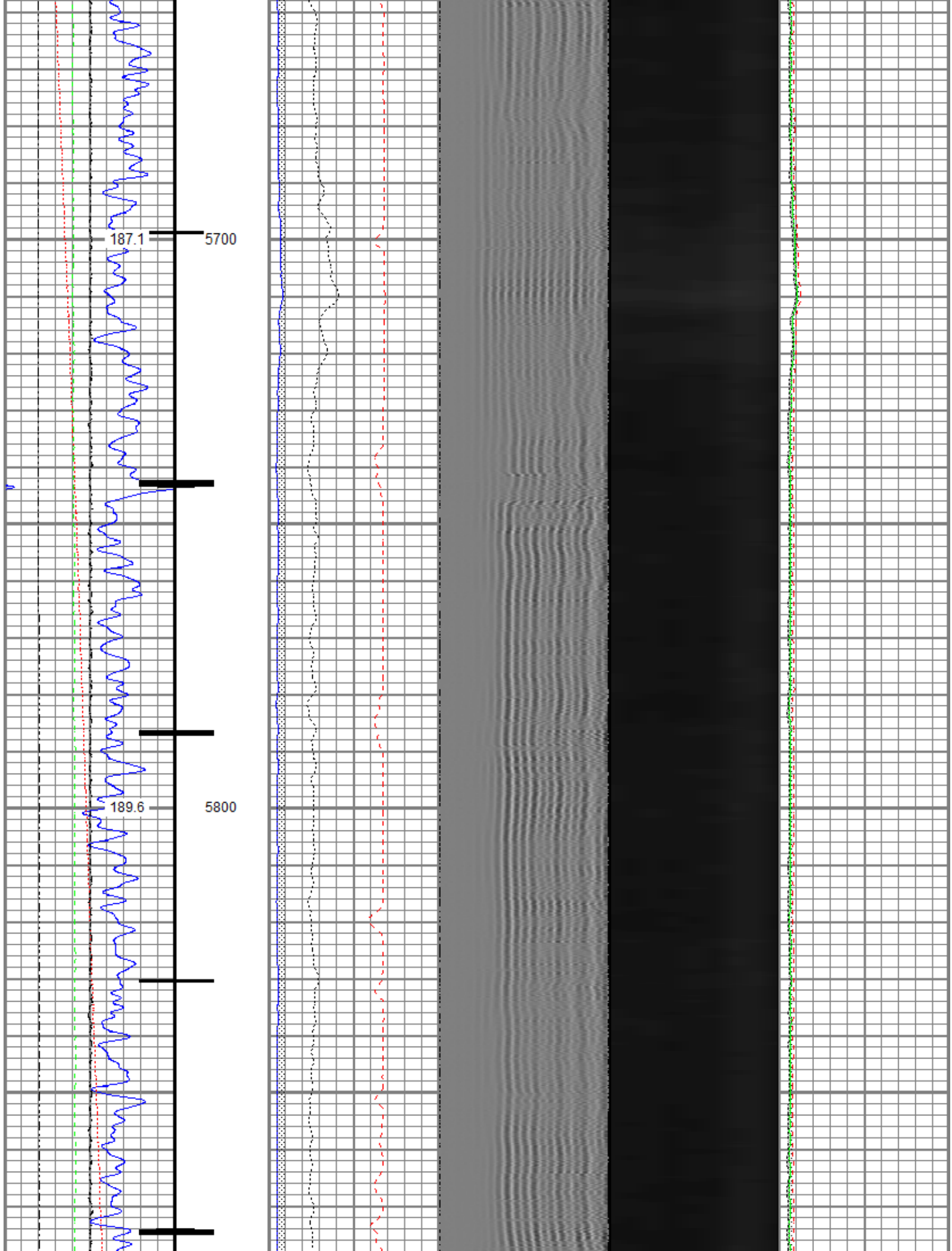


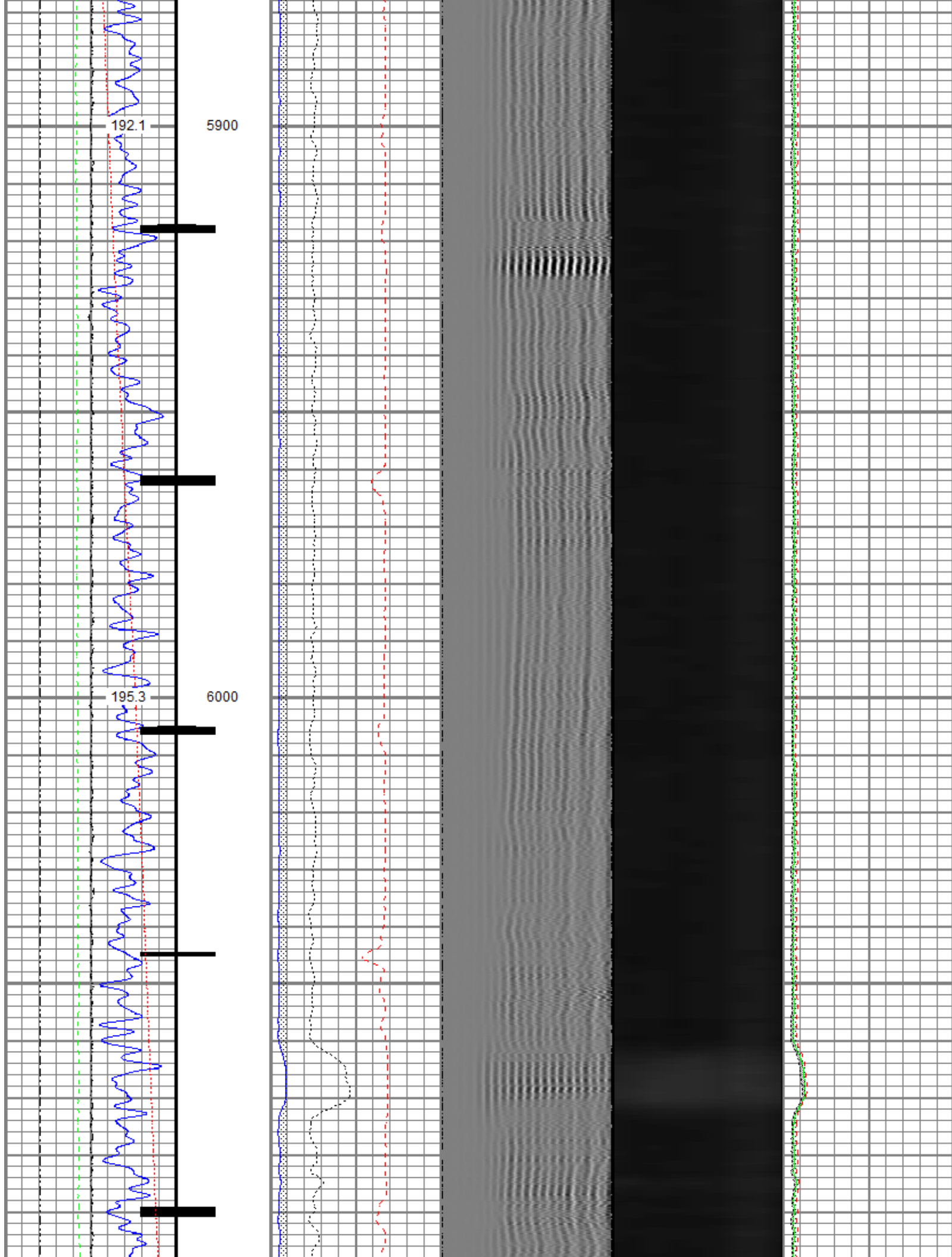


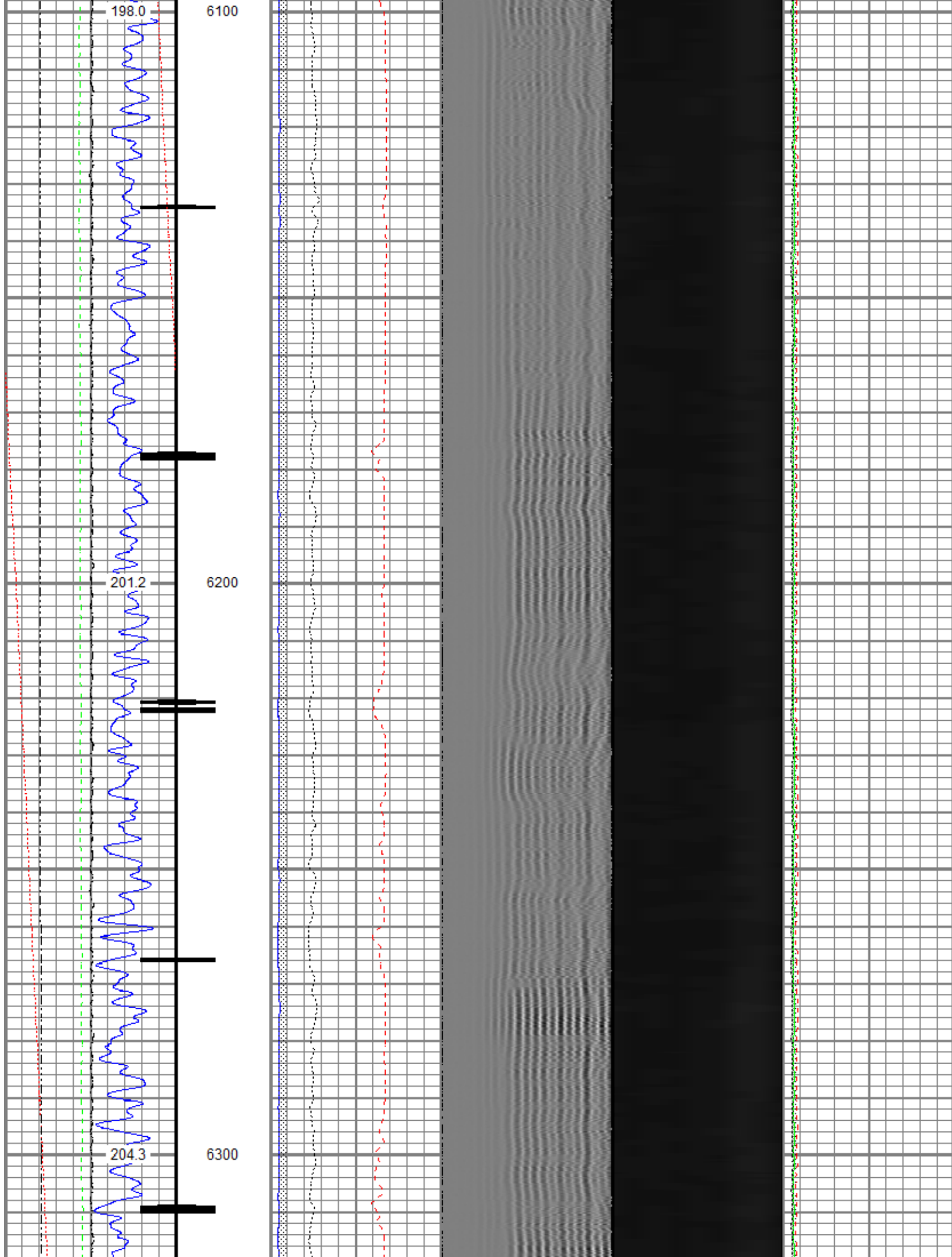


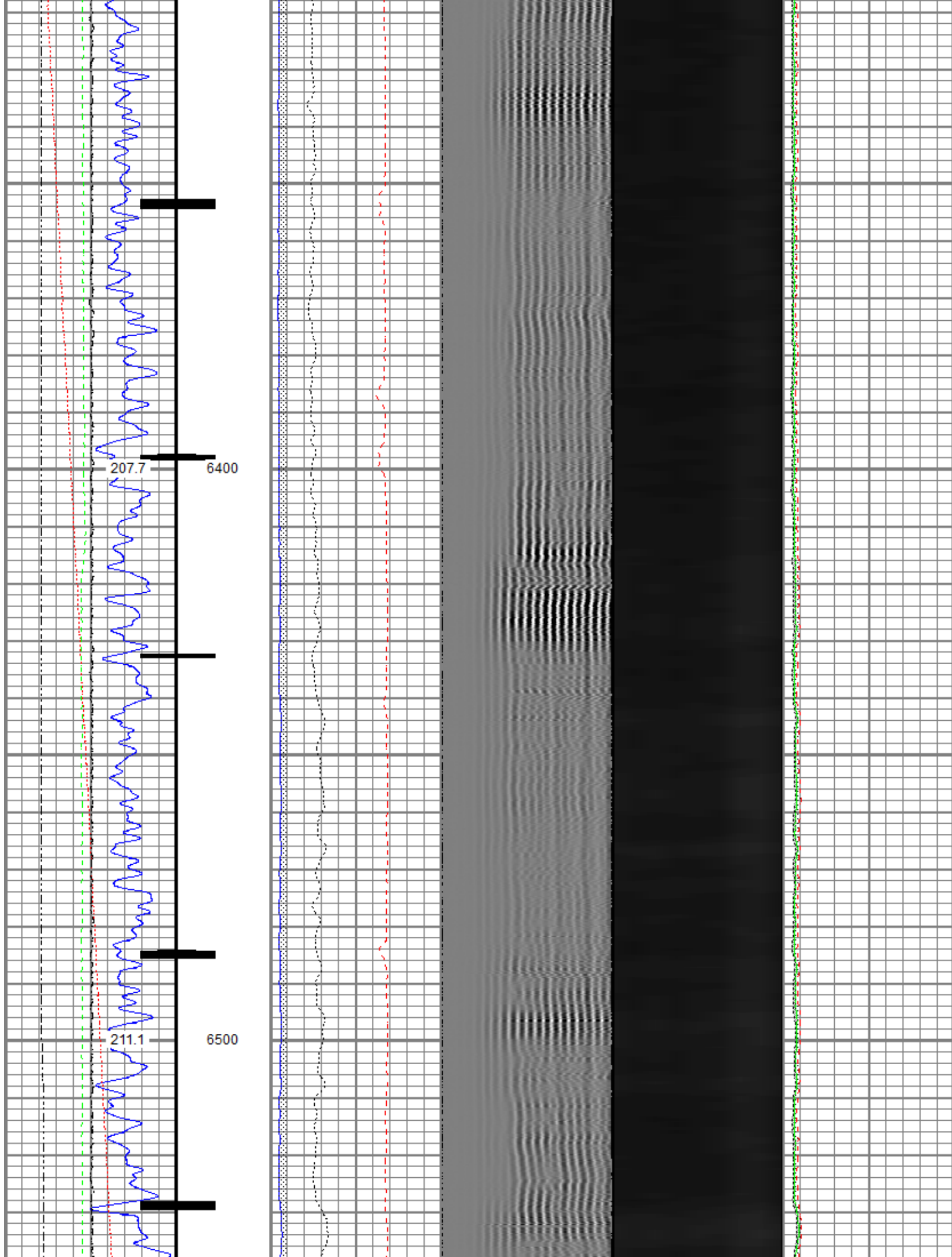


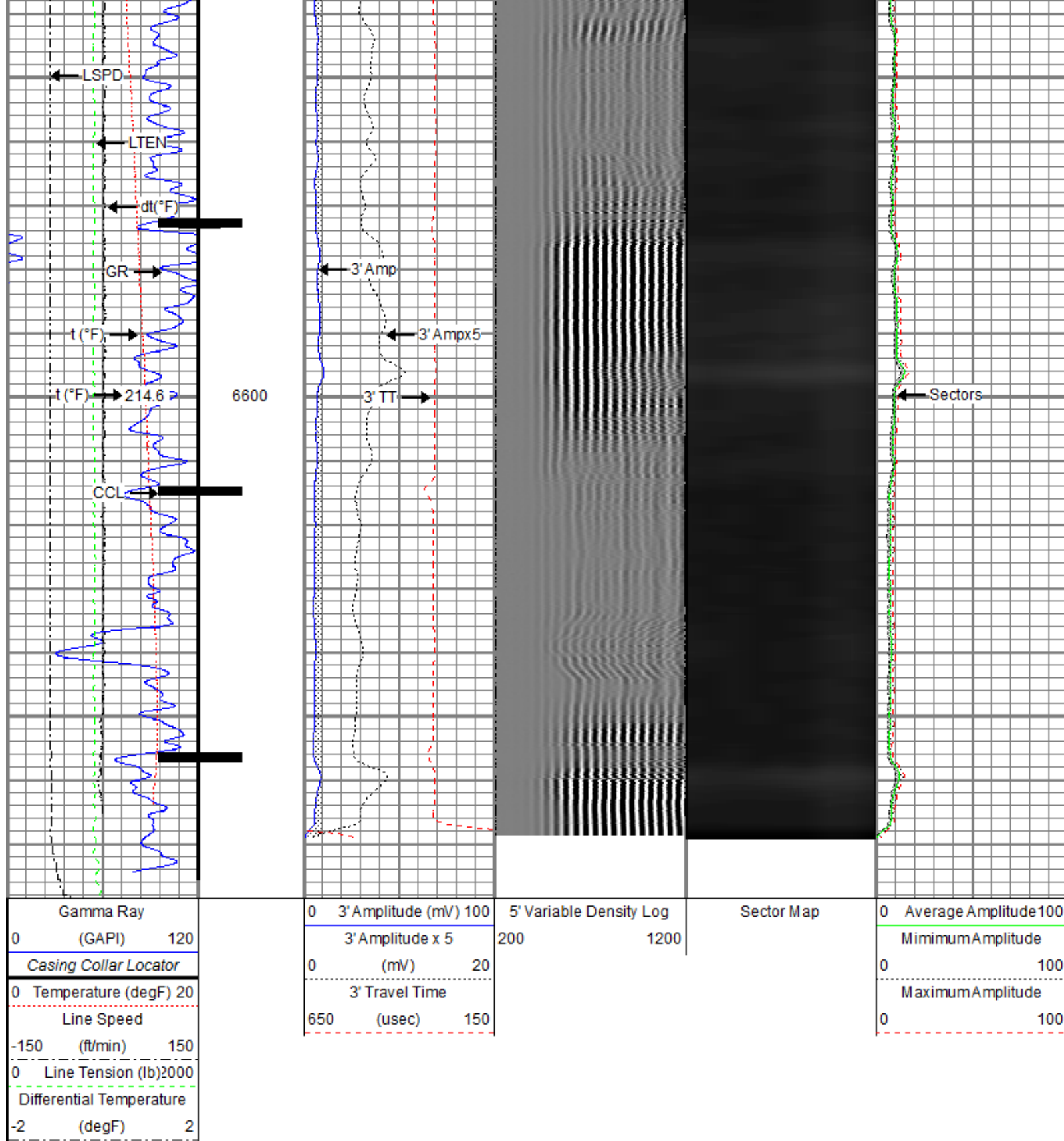










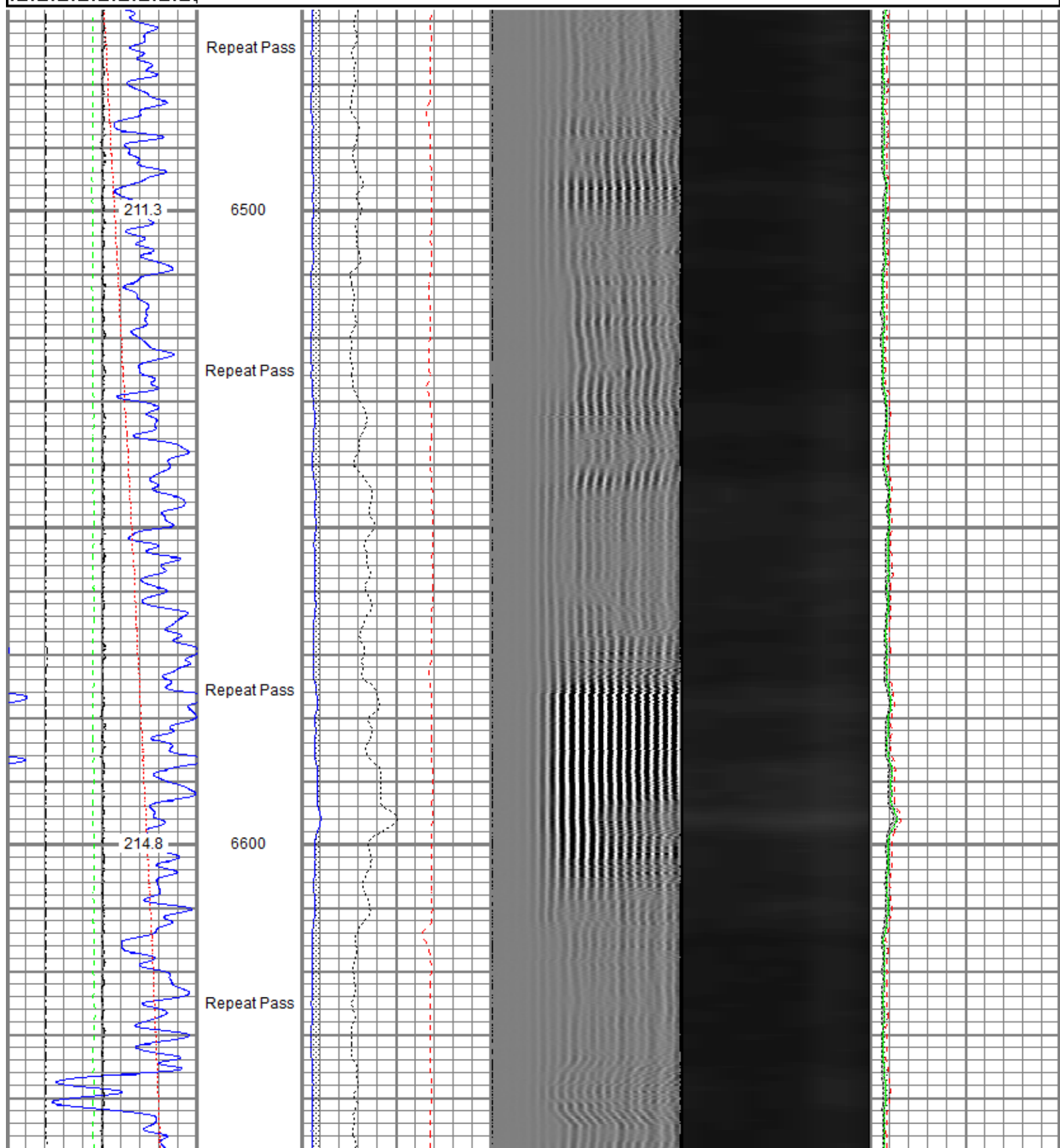


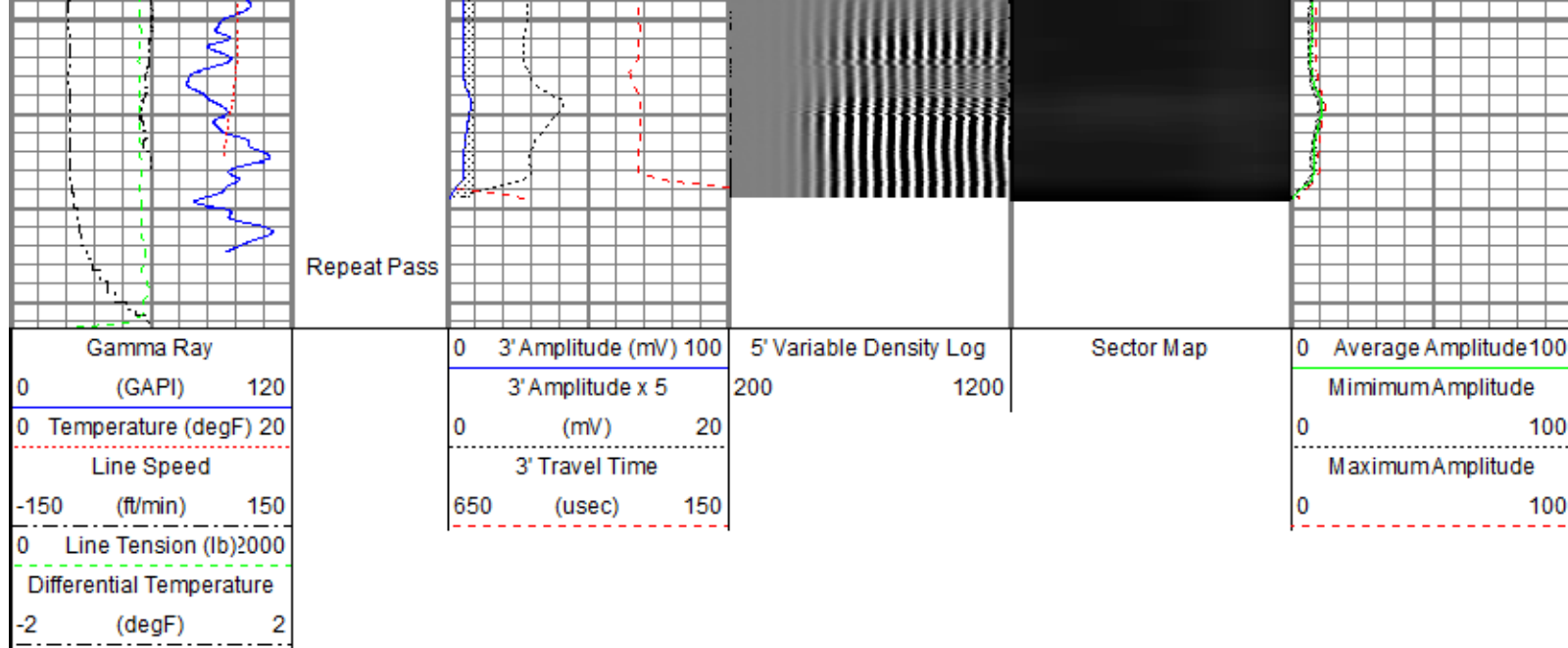
Repeat Pass

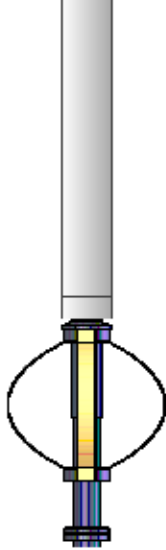
Recorded With 2800 PSI Surface Induced Pressure

Database File anadarko_burough 27c-17hz\0512345227_anadarko_burough 27c-17hz_rbl_01-19-18.db
 Dataset Pathname pass2.1
 Presentation Format ros_radri
 Dataset Creation Sat Jan 20 09:34:47 2018

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 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														





CCL\$2	6.79		Probe GR-CCL-2750 GOB (FW1212-026) Probe 2-3/4" rev.2 Digital Scintillation Gamma Ray/CCL Combined	4.51	2.75	55.00
CCL\$1	6.79					
GR	5.55					
			Probe ADPT-6P-GO Probe 2-3/4" 6-Pin Top to GO Bottom Adaptor Sub	0.28	2.75	2.00
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
Dataset: 0512345227_Anadarko_Borough 27C-17HZ_RBL_01-19-18.db: field/well/run1/pass1 Total length: 23.86 ft Total weight: 225.60 lb O.D.: 2.75 in						

Calibration Report	
Database File	C:\ProgramData\Warrior\Data\Anadarko_Borough 27C-17HZ\0512345227_Anadarko_Borough 27C-17HZ_RBL_01-19-18.db
Dataset Pathname	pass1
Dataset Creation	Fri Jan 19 10:01:45 2018

Gamma Ray Calibration Report		
Serial Number:	FW1212-026	
Tool Model:	2750 GOB	
Performed:	Sun Nov 12 12:27:51 2017	
Calibrator Value:	637.0	GAPI
Background Reading:	113.7	cps
Calibrator Reading:	1029.1	cps
Sensitivity:	0.6959	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1302-002	
Tool Model:	2750 RBT	
Calibration Casing Diameter:	5.500	in
Calibration Depth:	-33.544	ft

Master Calibration, performed Thu Jan 18 10:42:09 2018:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.028	0.648	0.800	71.921	114.769	-2.435
CAL	0.692	0.695				
5'	0.011	0.592	0.800	71.921	122.325	-0.548
SUM						
S1	0.025	0.643	0.000	100.000	161.827	-4.085
S2	0.028	0.644	0.000	100.000	162.346	-4.556
S3	0.026	0.643	0.000	100.000	162.266	-4.288
S4	0.027	0.640	0.000	100.000	162.934	-4.346
S5	0.025	0.643	0.000	100.000	161.856	-4.064
S6	0.027	0.650	0.000	100.000	160.458	-4.337
S7	0.030	0.652	0.000	100.000	160.681	-4.753
S8	0.029	0.653	0.000	100.000	160.297	-4.704

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.692	0.695	1.000	0.000

Air Zero Calibration, performed Thu Jan 18 07:23:09 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: FW1302-002
Tool Model: 2750 RBT
Performed: Sun Nov 12 13:28:07 2017

	Reference	Reading
Low Reference:	100.00 degF	110.72 degF
High Reference:	350.00 degF	409.18 degF
Gain:	0.84	
Offset:	7.26	
Delta Spacing	1	



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Borough 27C-17HZ
Field	Wattenberg
County	Weld
State	Colorado