



Comments

Log ran as per customer request
Depth referenced to Kelly Bushing of 26 FT
Adjusted +1 FT to correlate with Kelly Bushing
Gauge Ring/Junk Basket ran to 7795 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

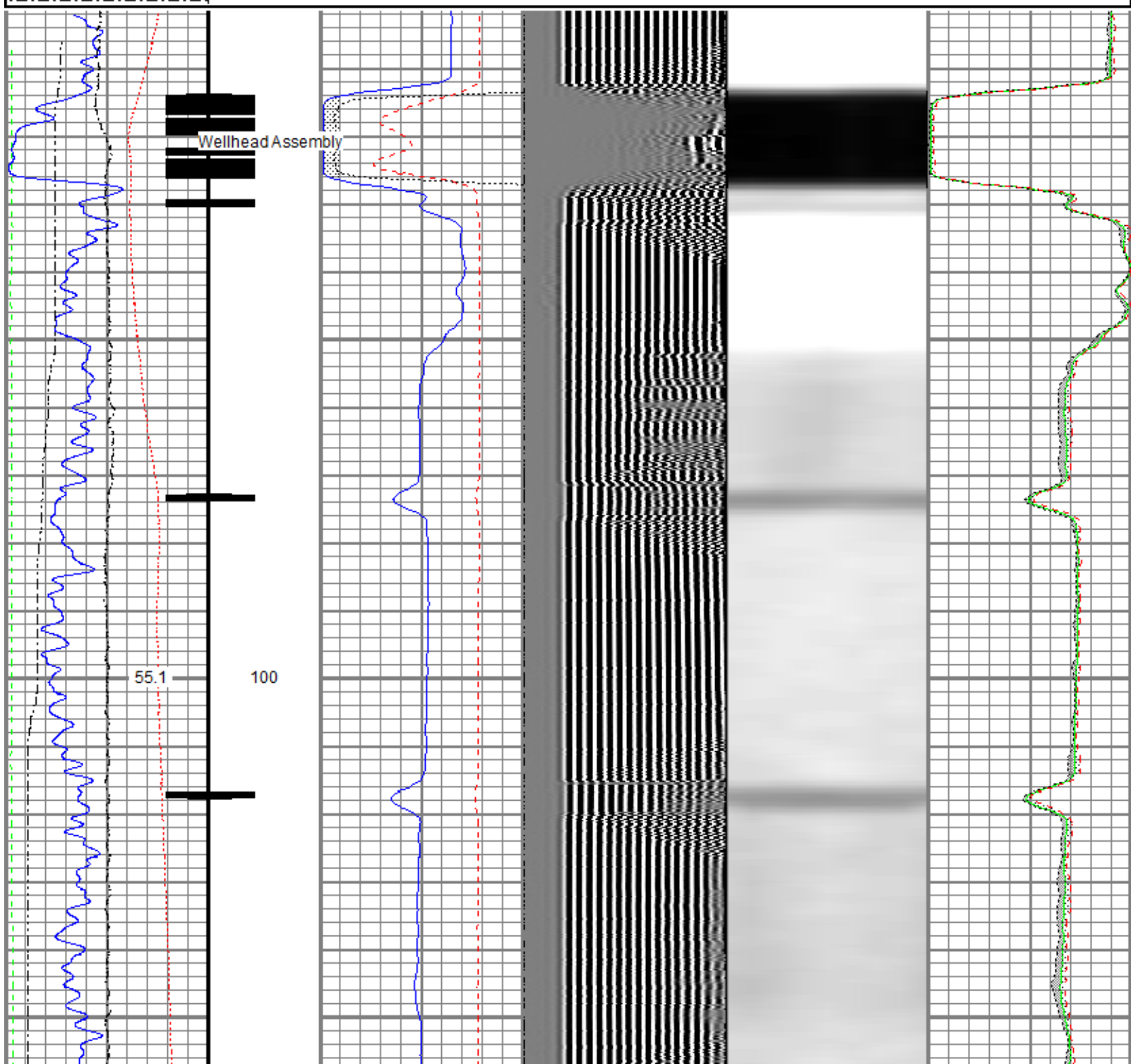
Thank you for choosing Reliance Oilfield Services, LLC!!

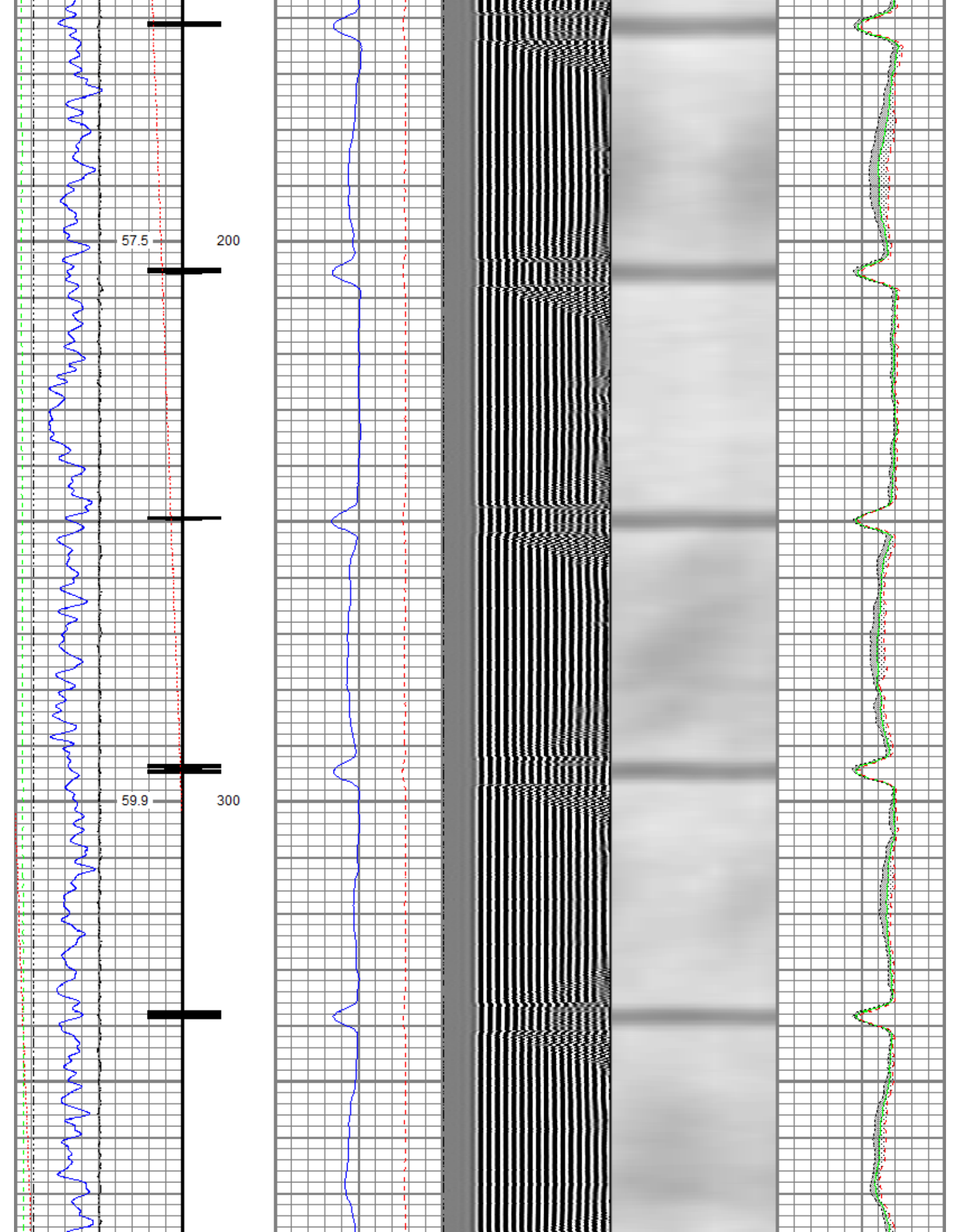


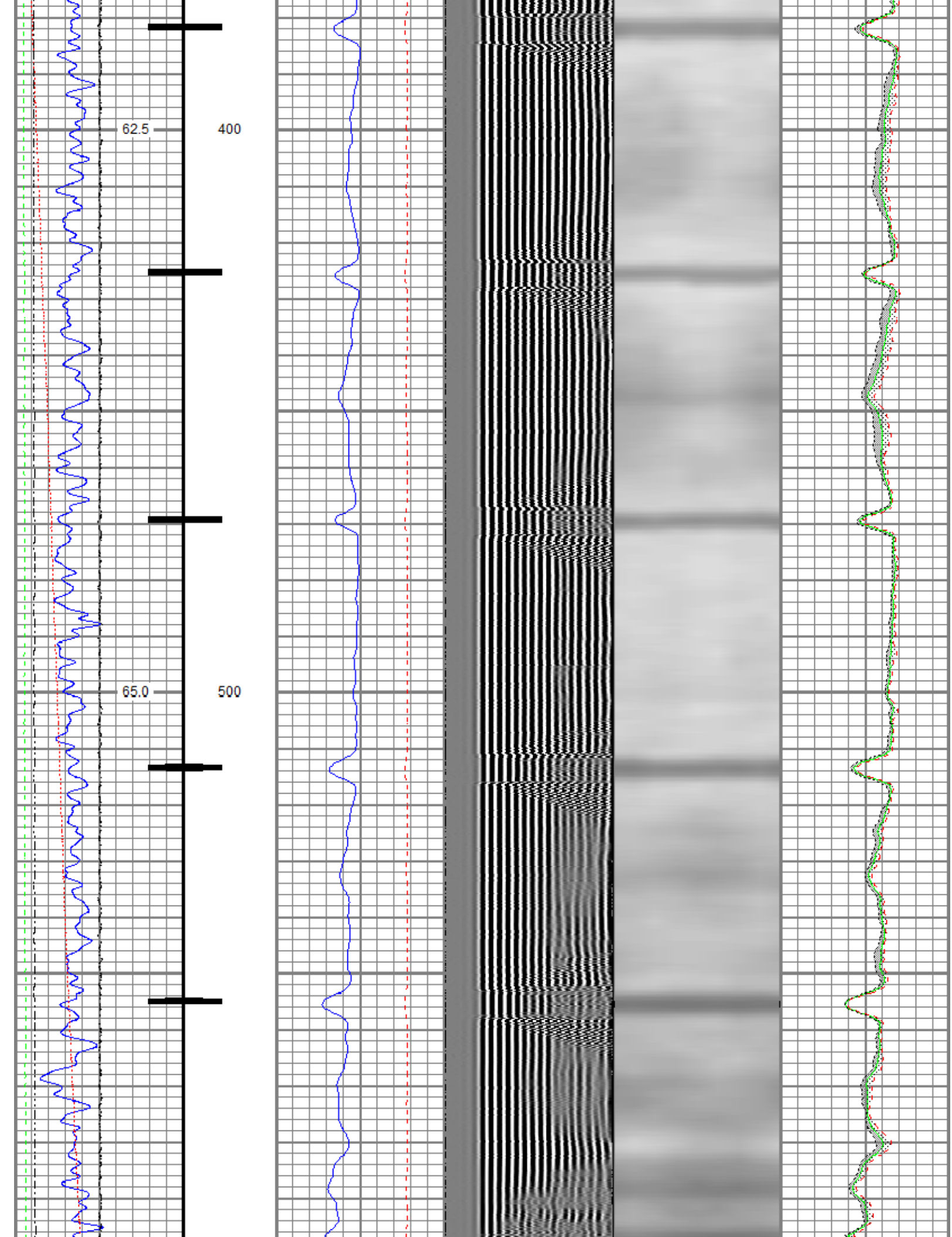
Recorded With 2800 PSI Surface Induced Pressure

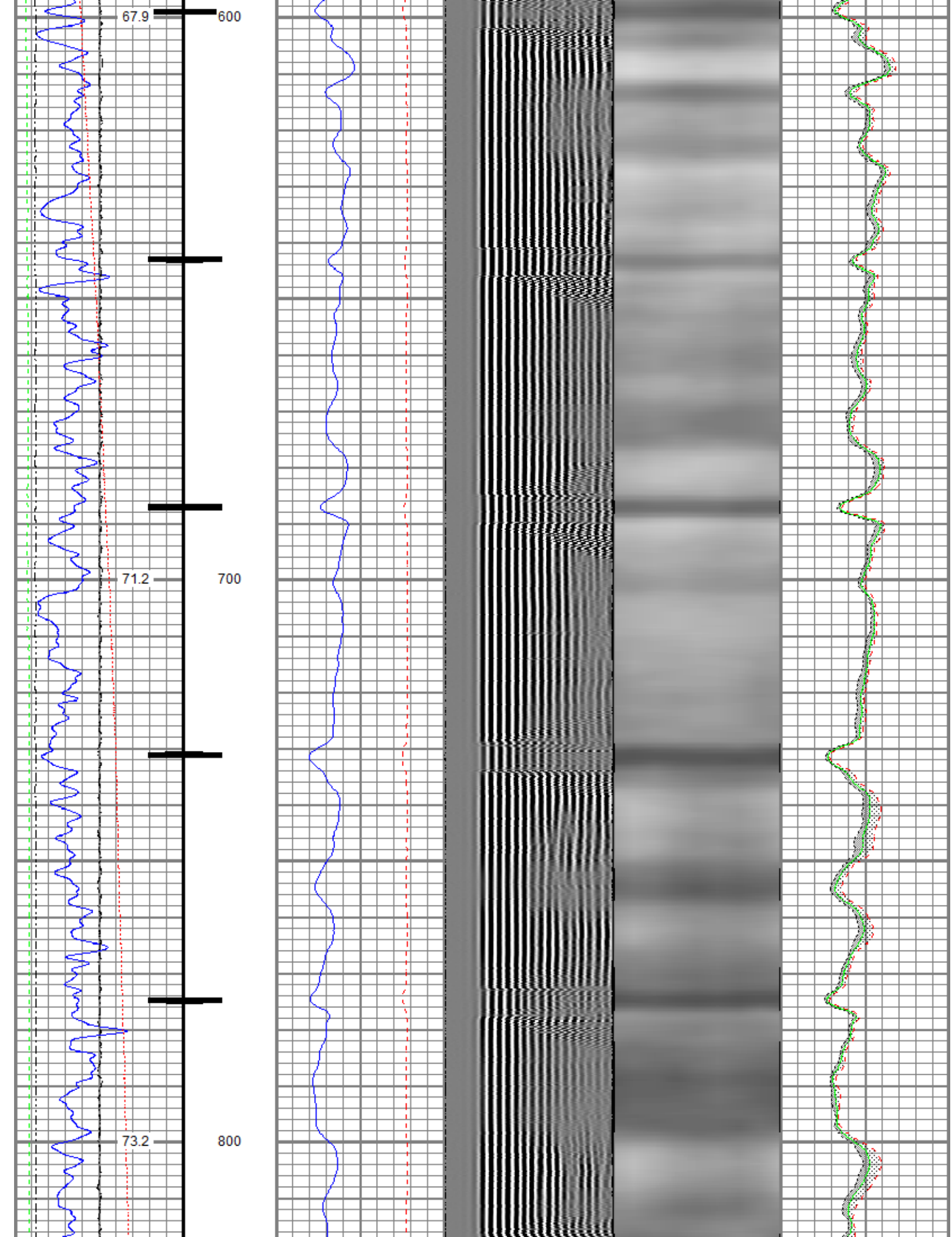
Database File new folder\0512345223_anadarko_borough 1ne-17hz_rbl_01-17-18.db
 Dataset Pathname pass4.1
 Presentation Format ros_radri
 Dataset Creation Wed Jan 17 12:44:40 2018
 Charted by Depth in Feet scaled 1:240

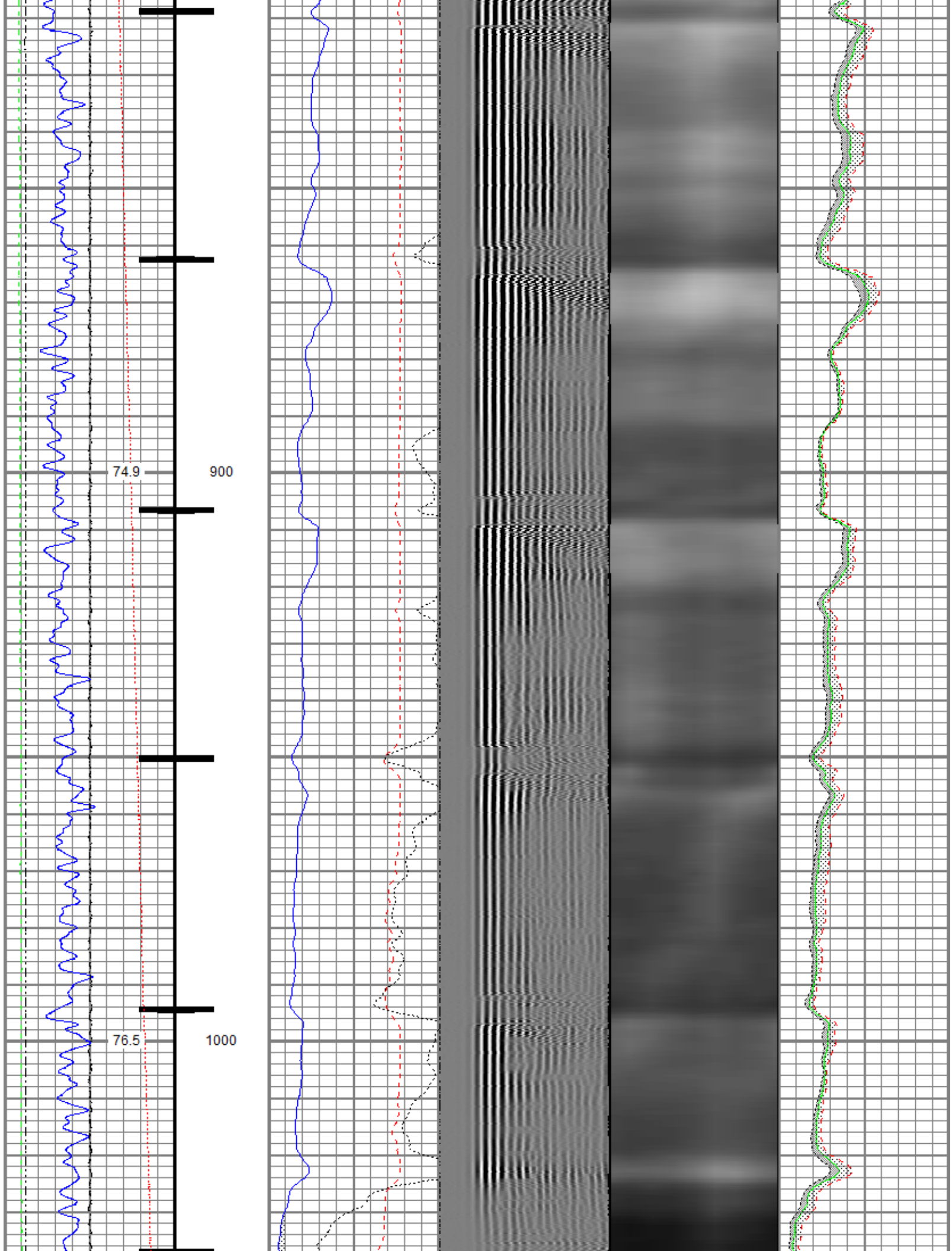
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min) 150				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

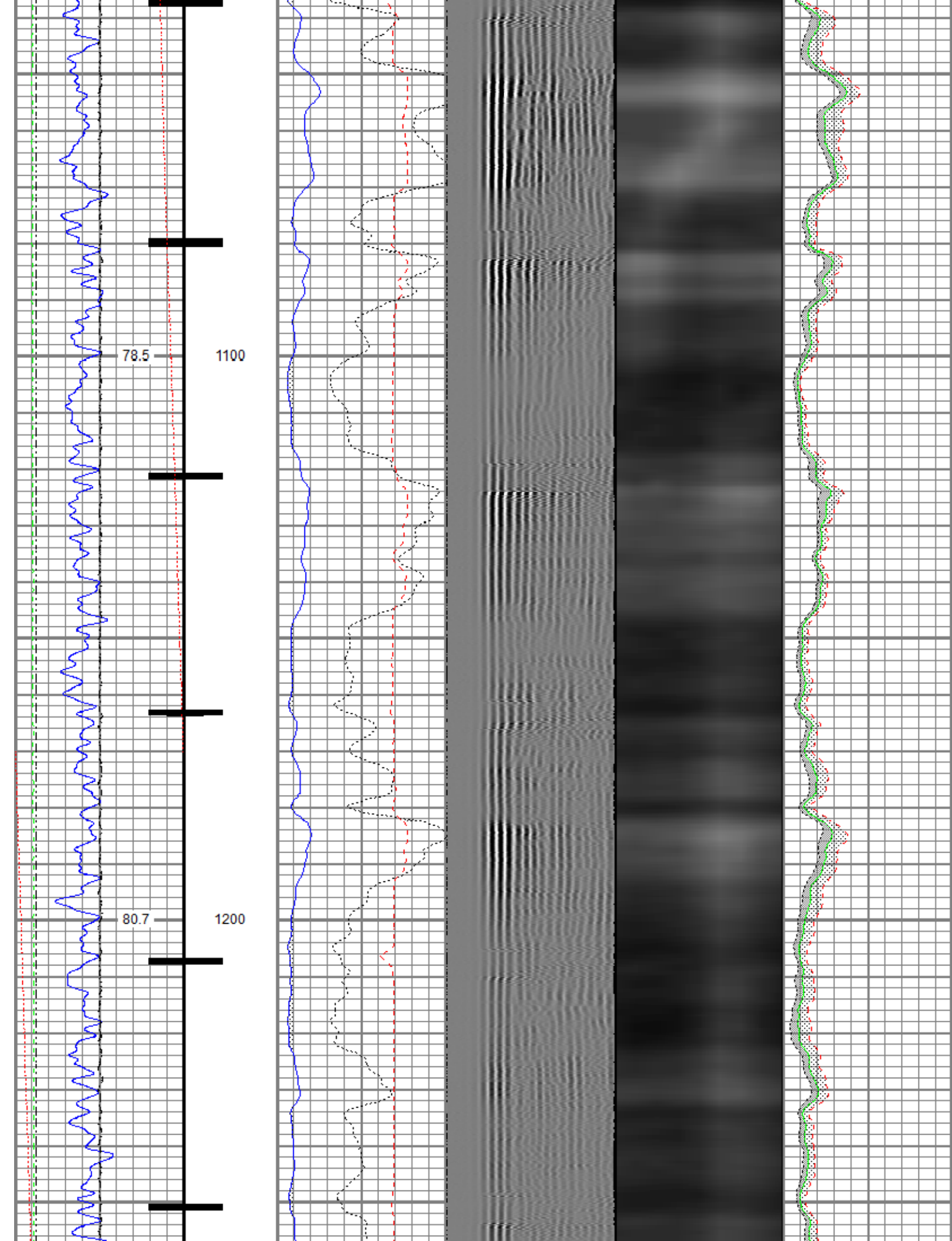


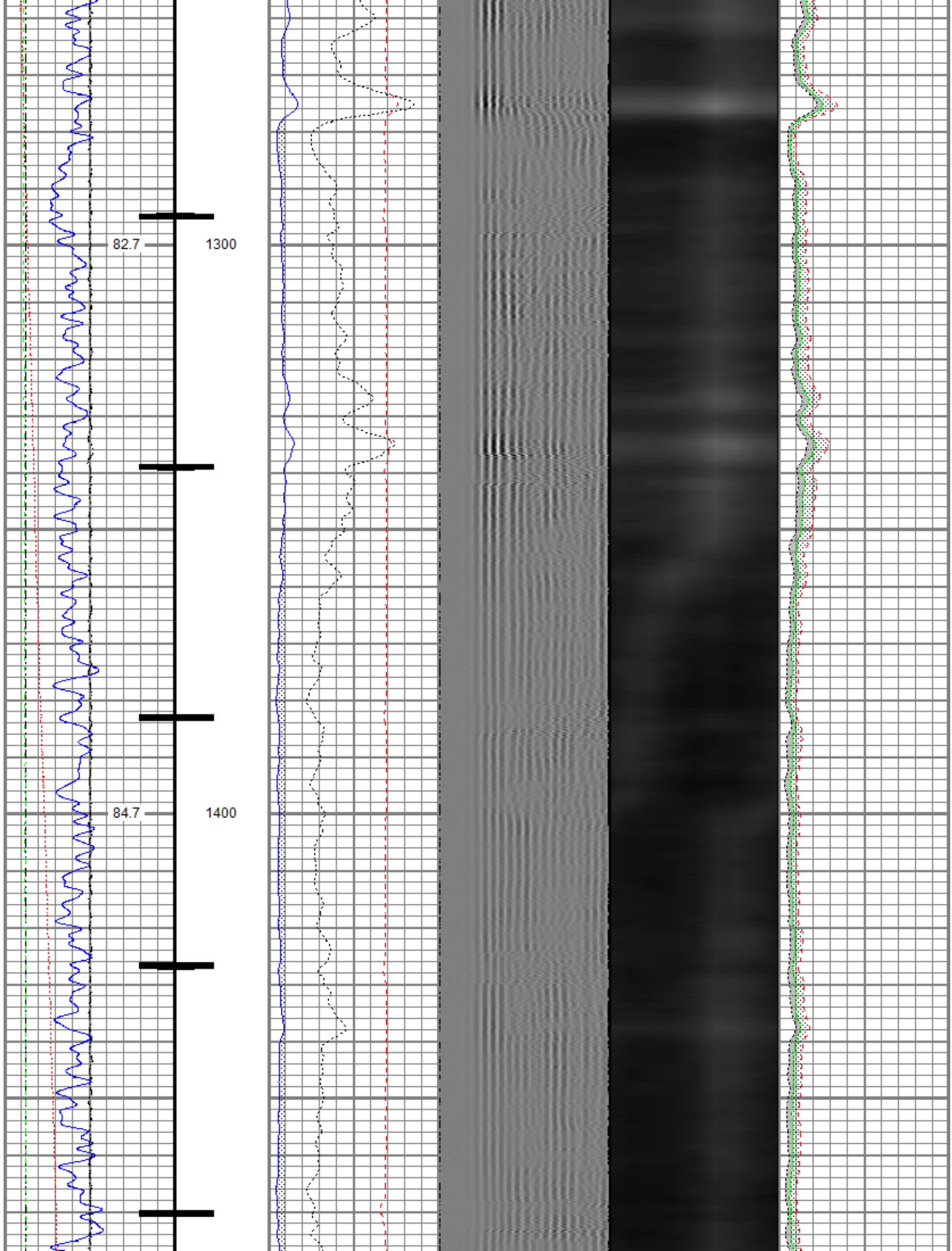


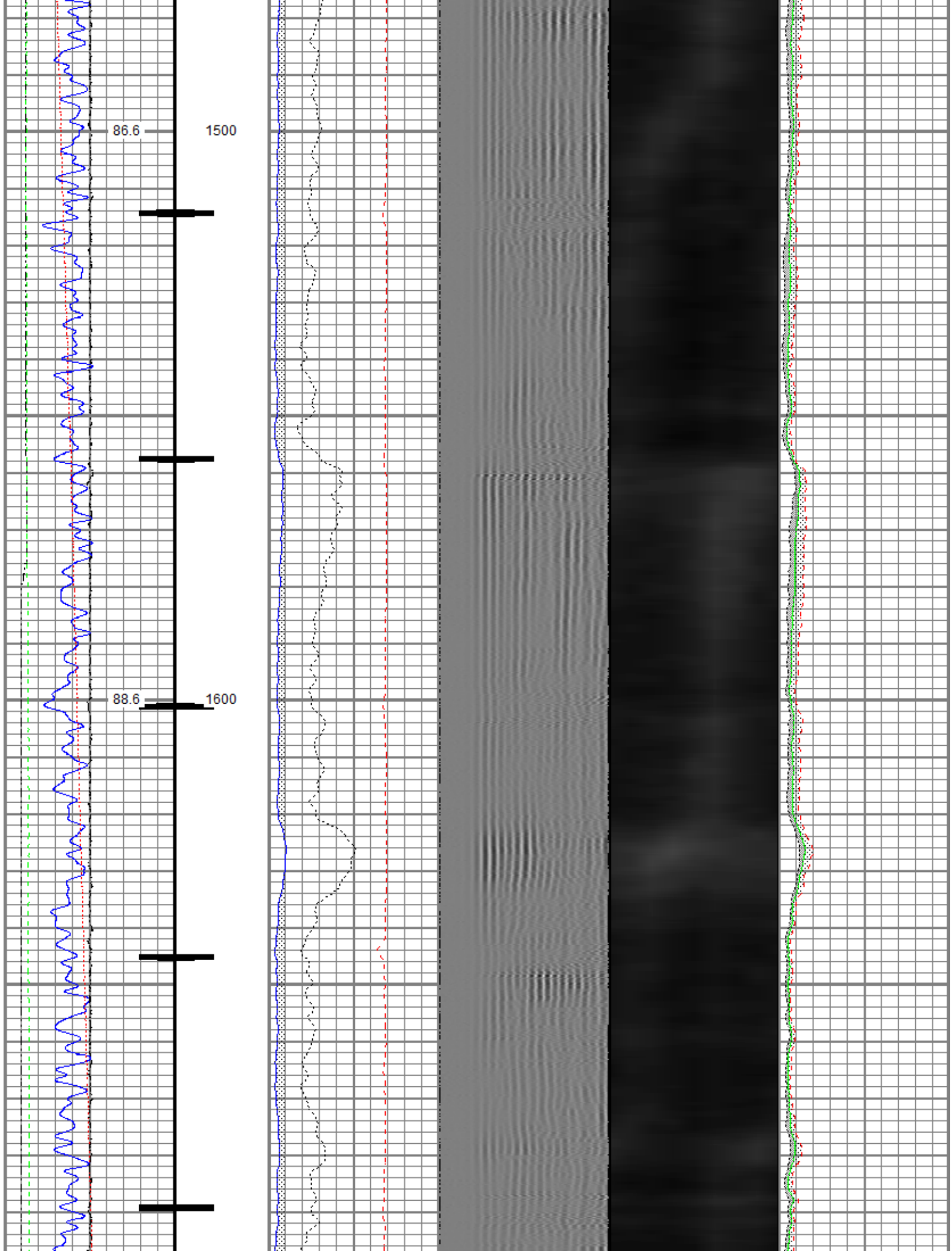


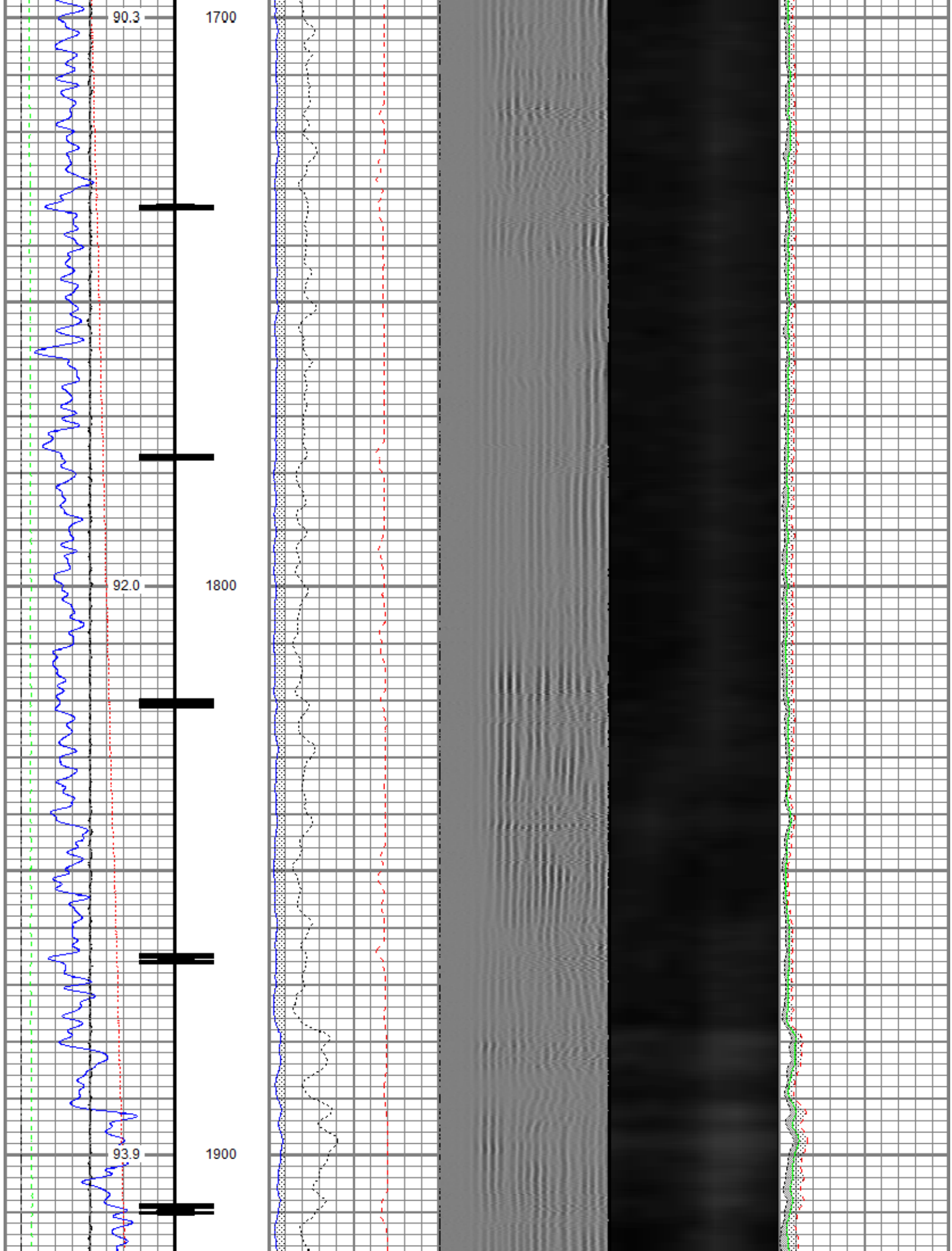


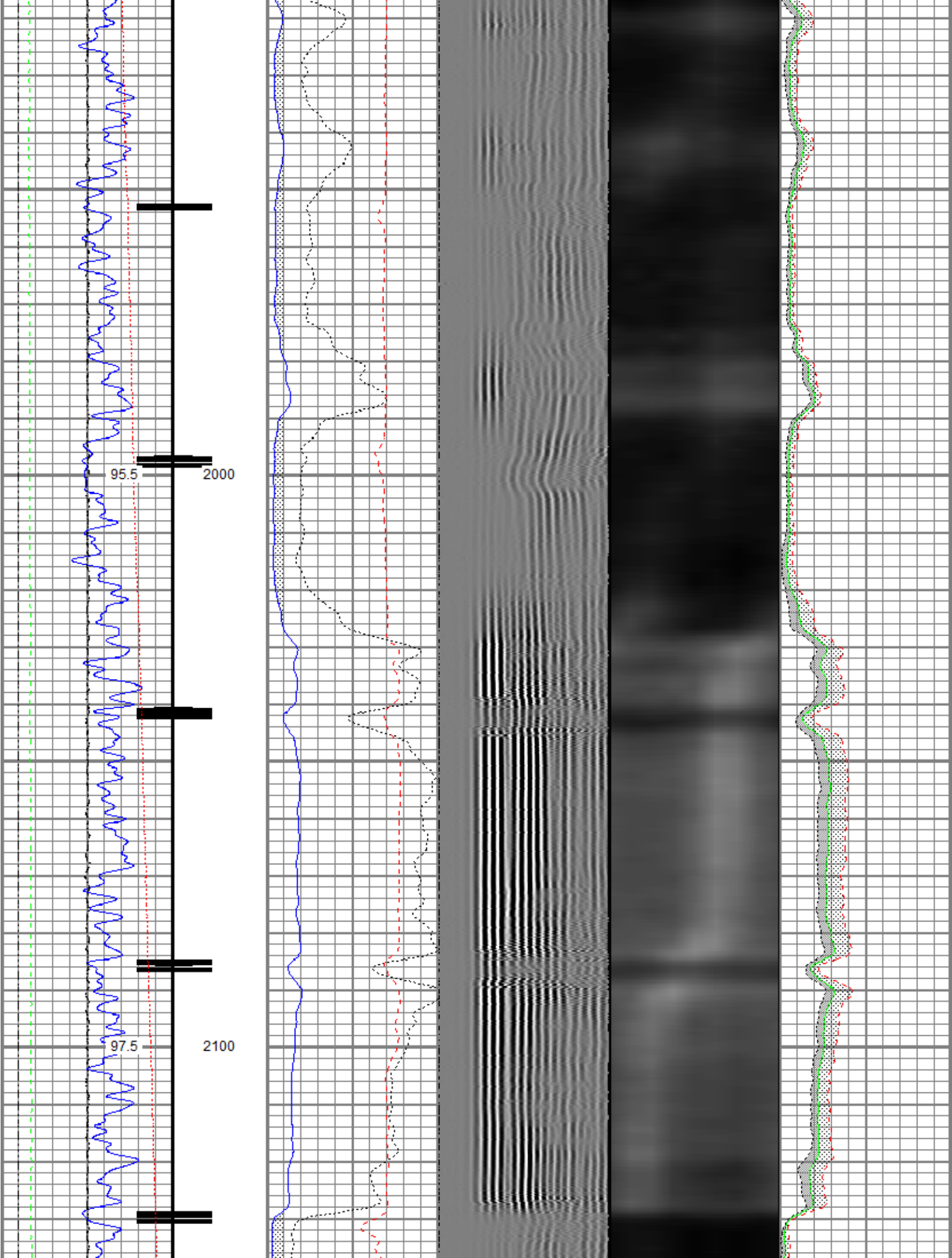


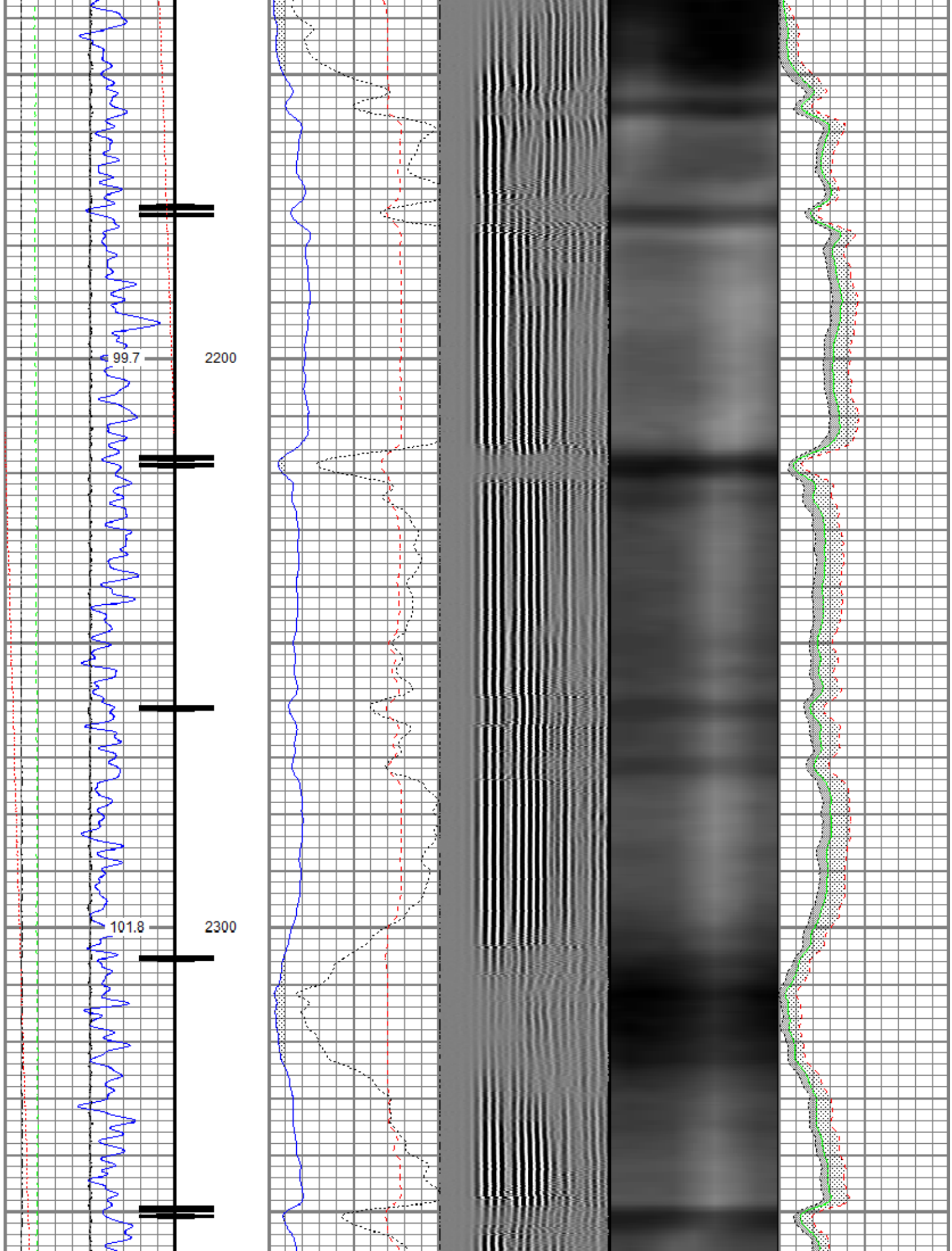


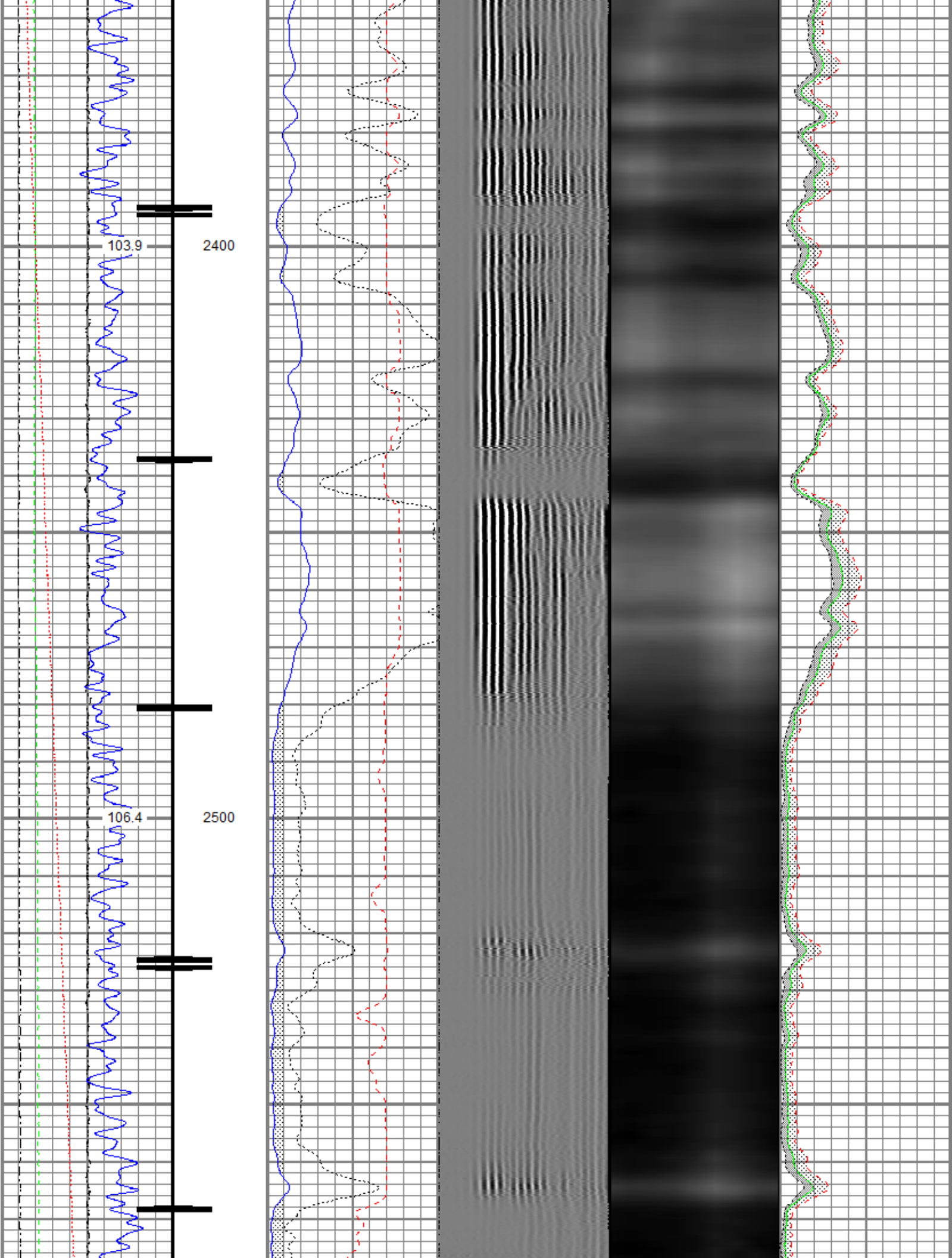


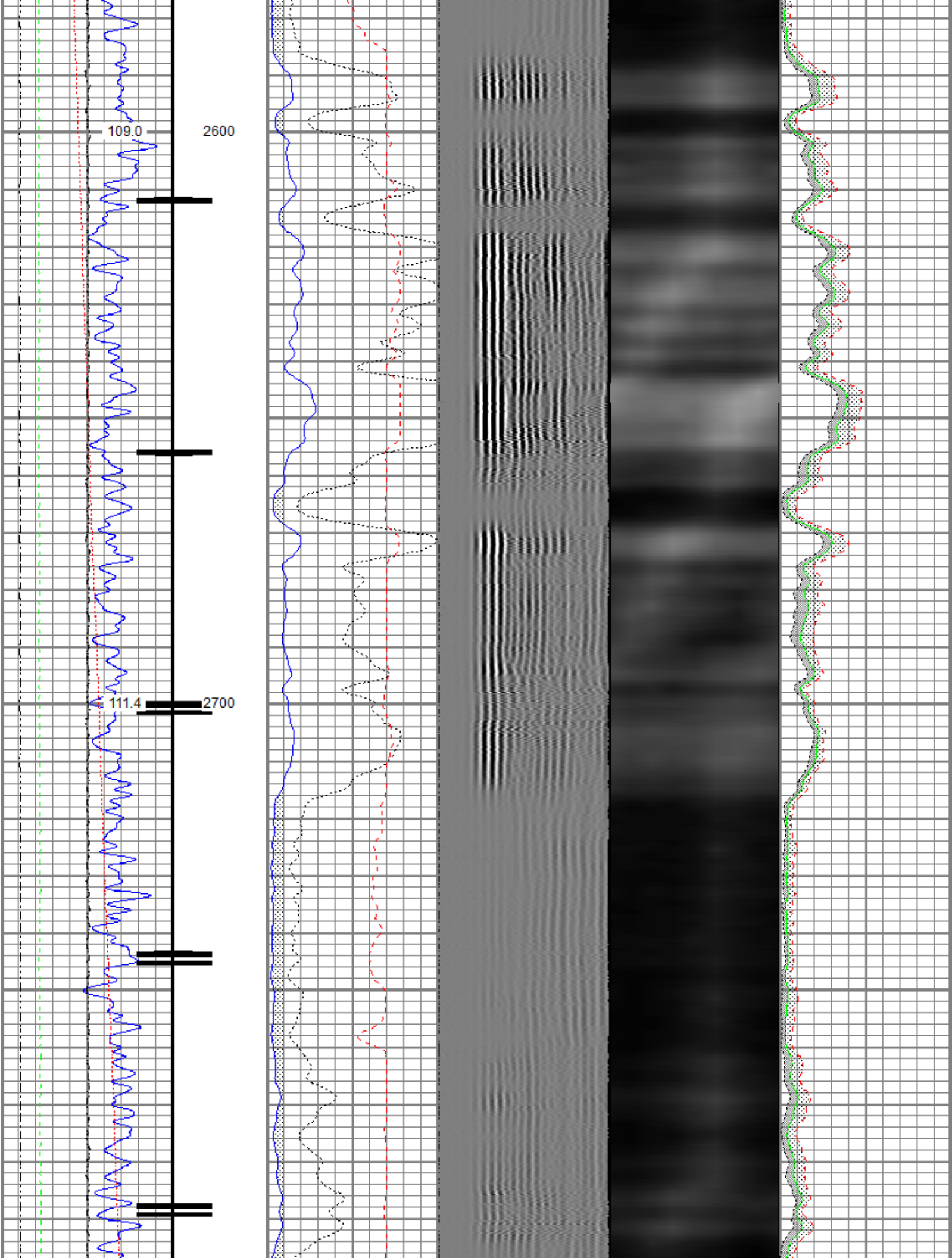


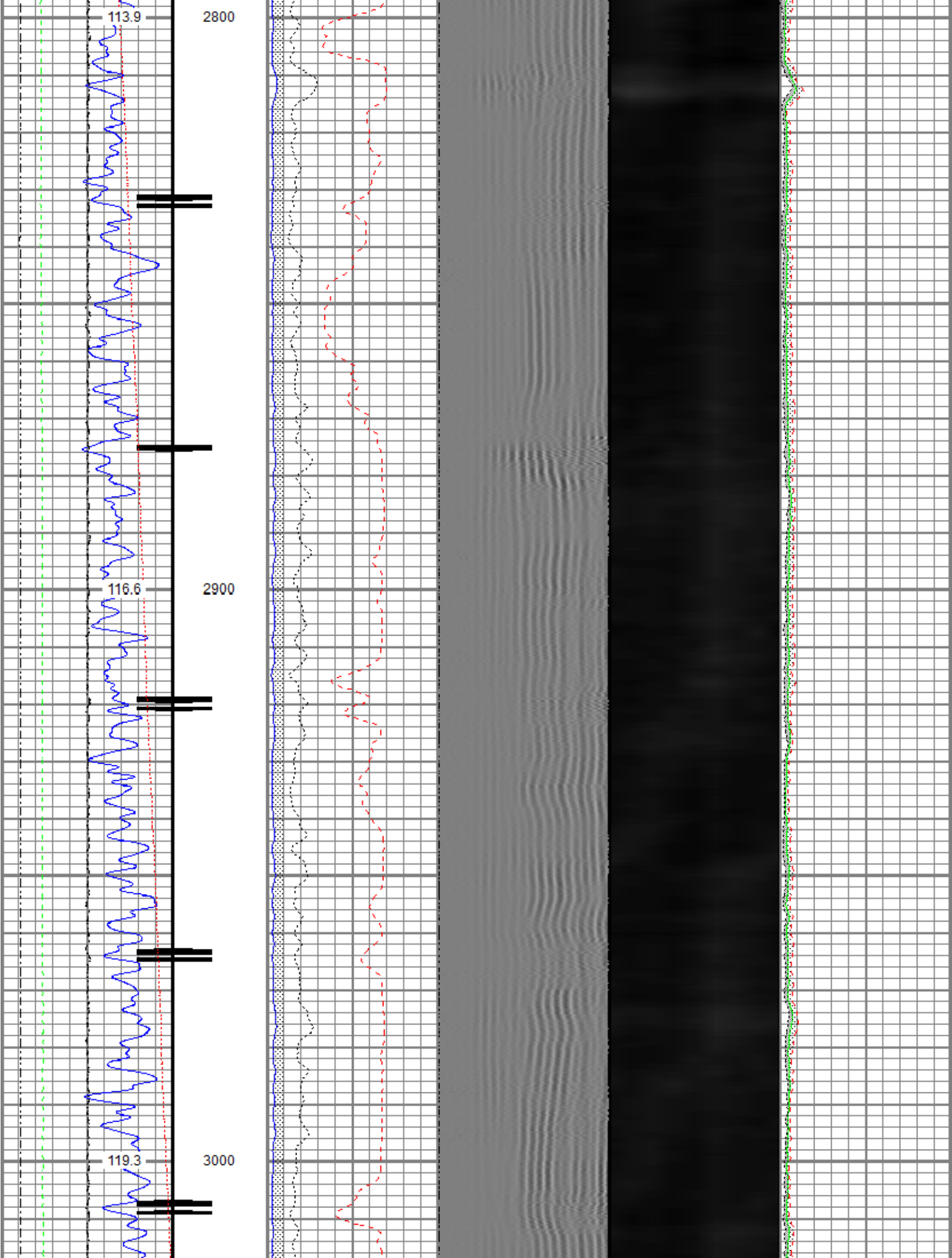


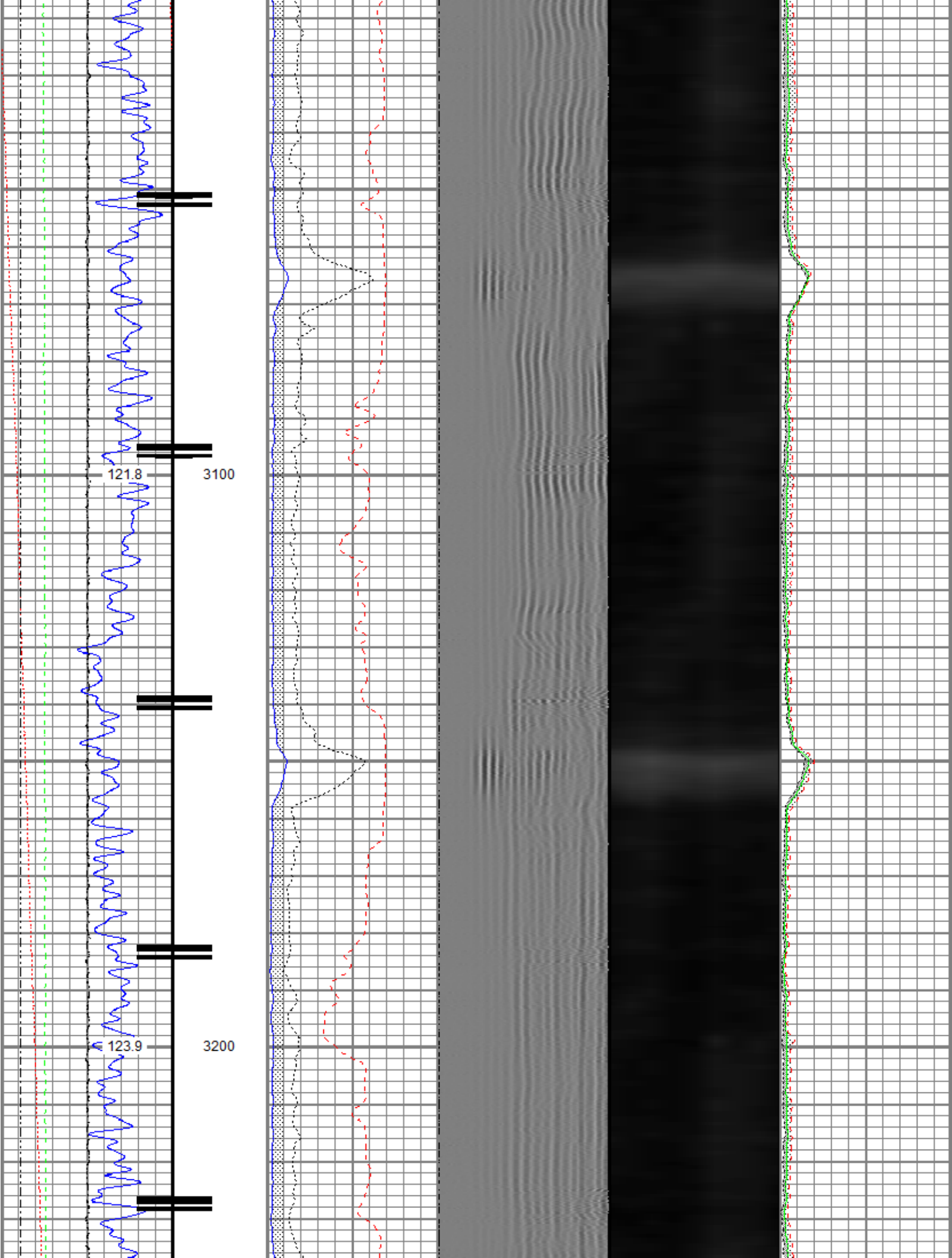


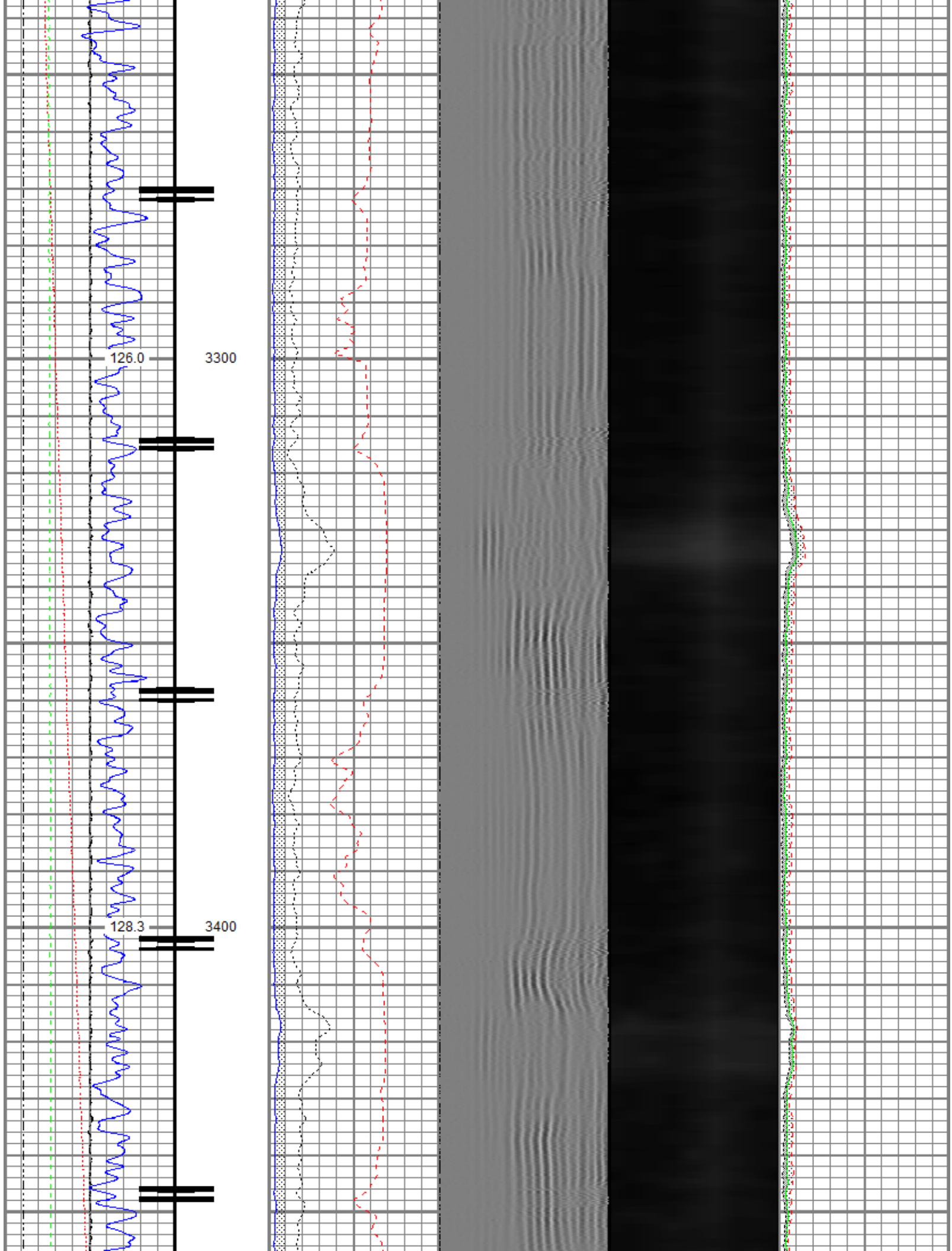


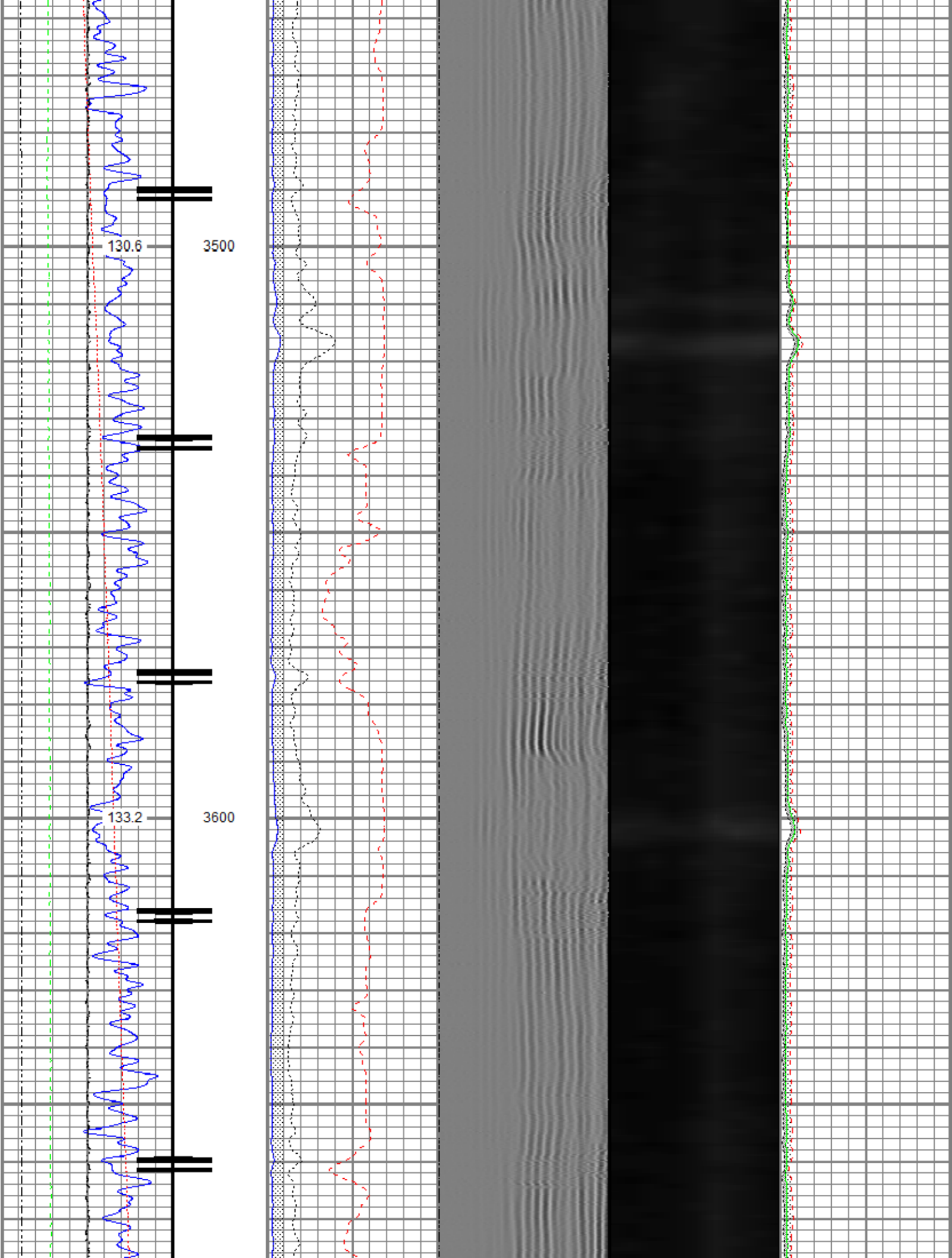


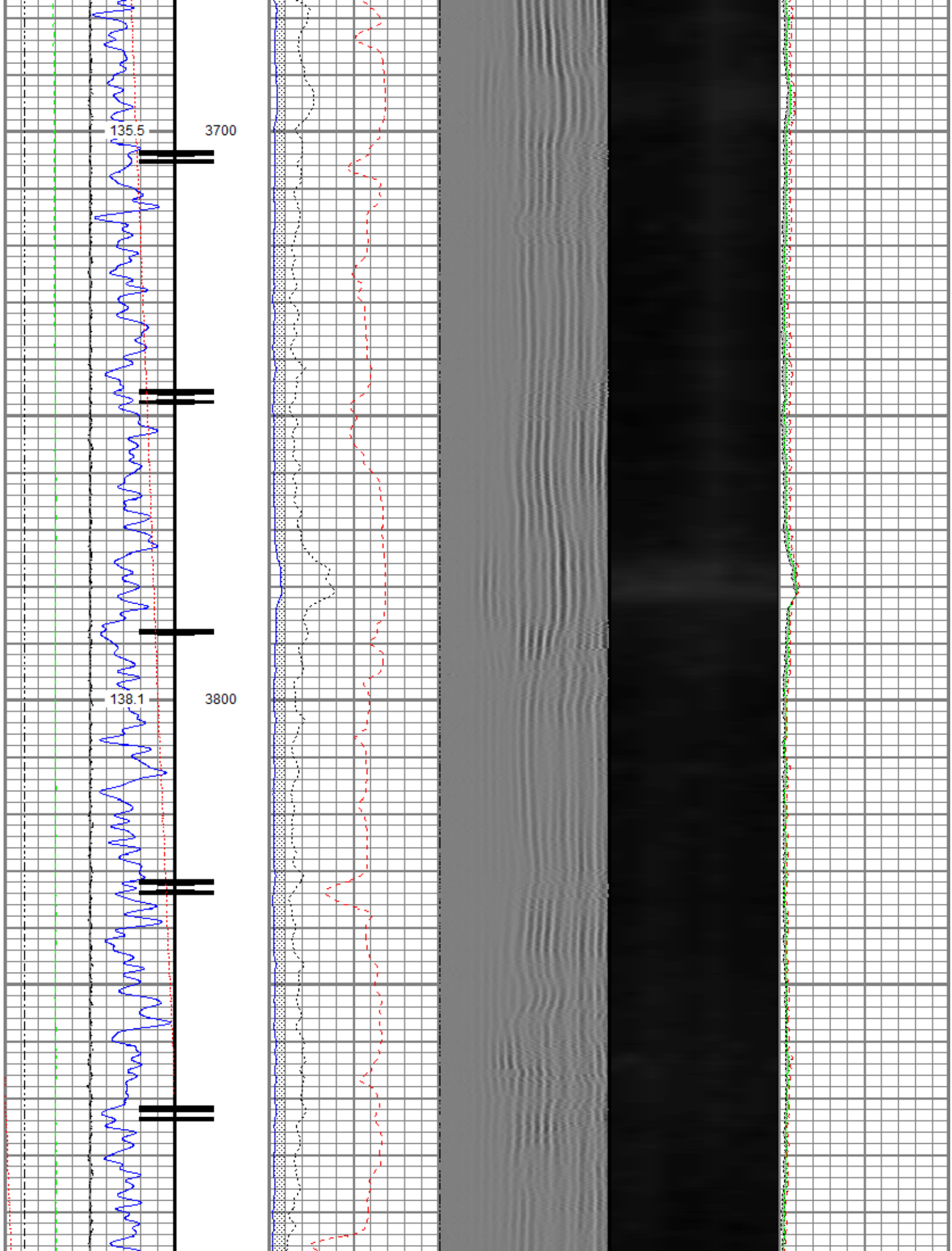


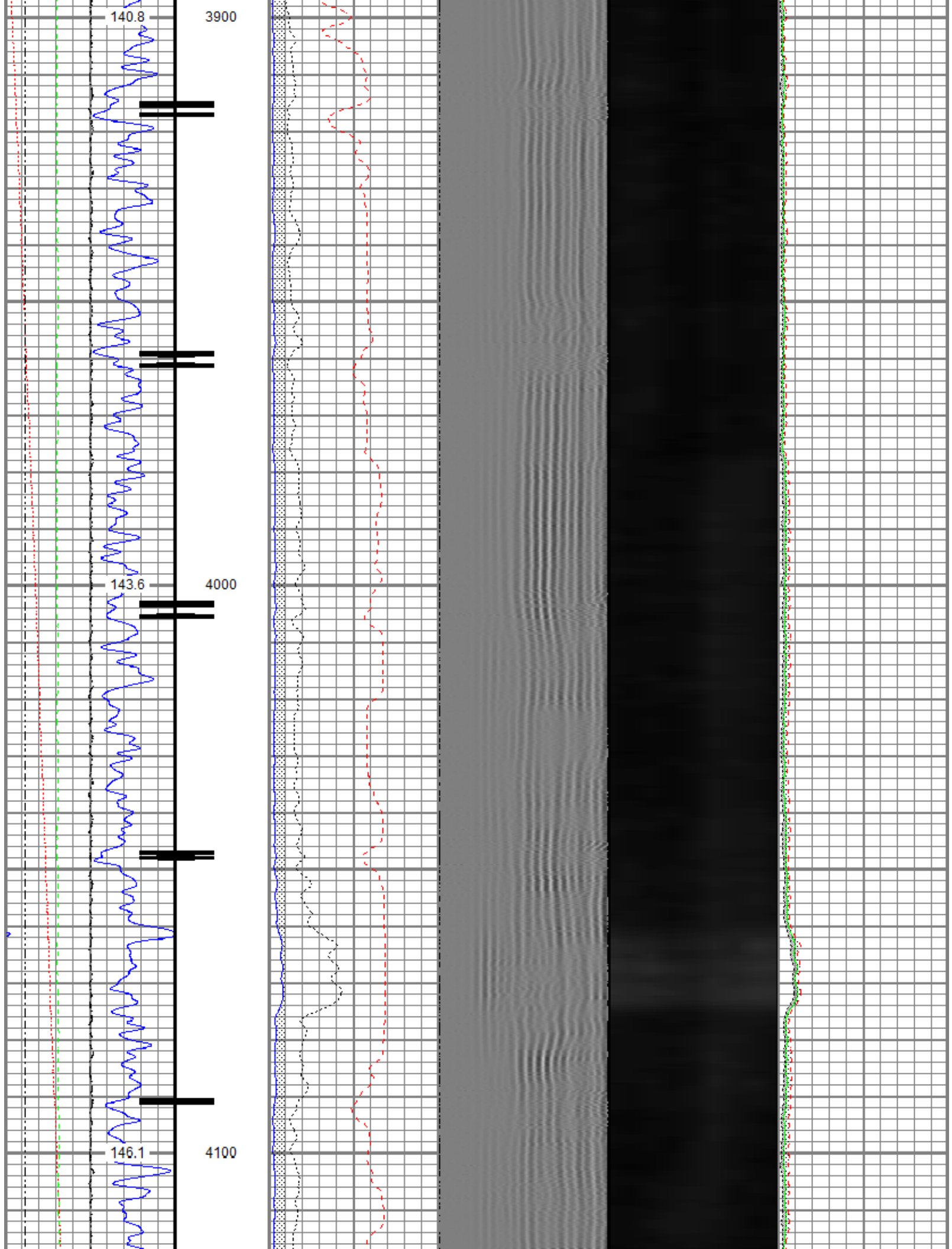


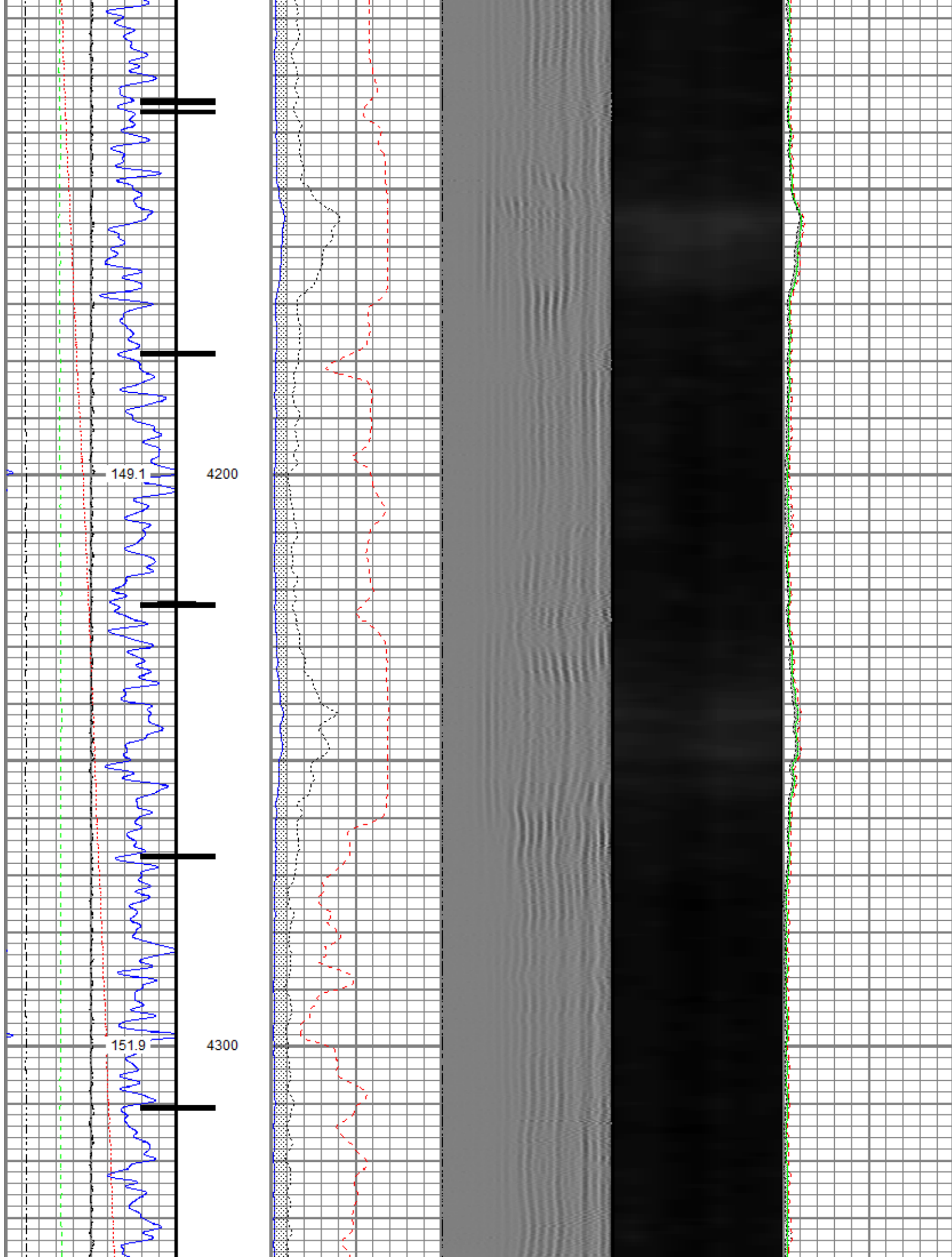


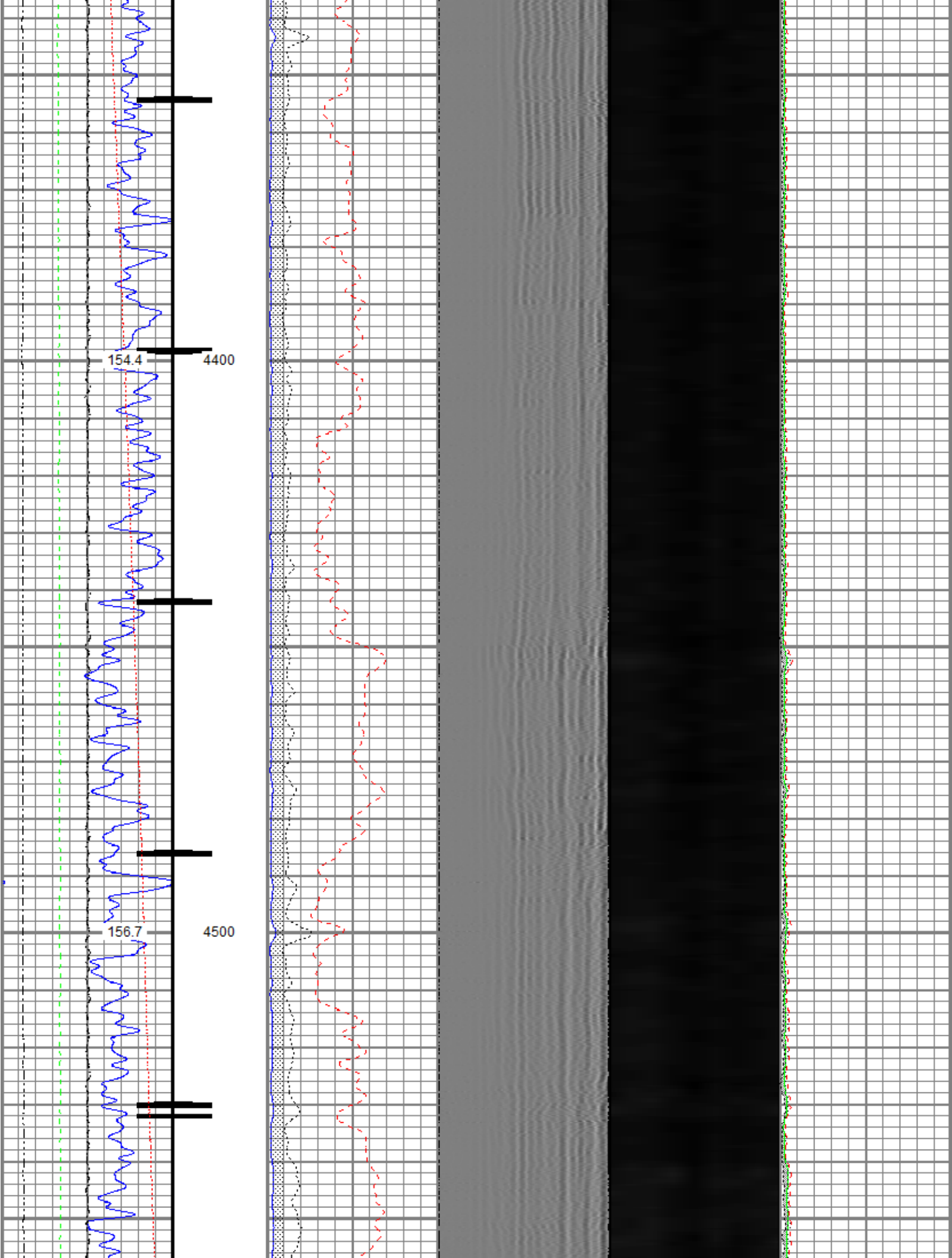


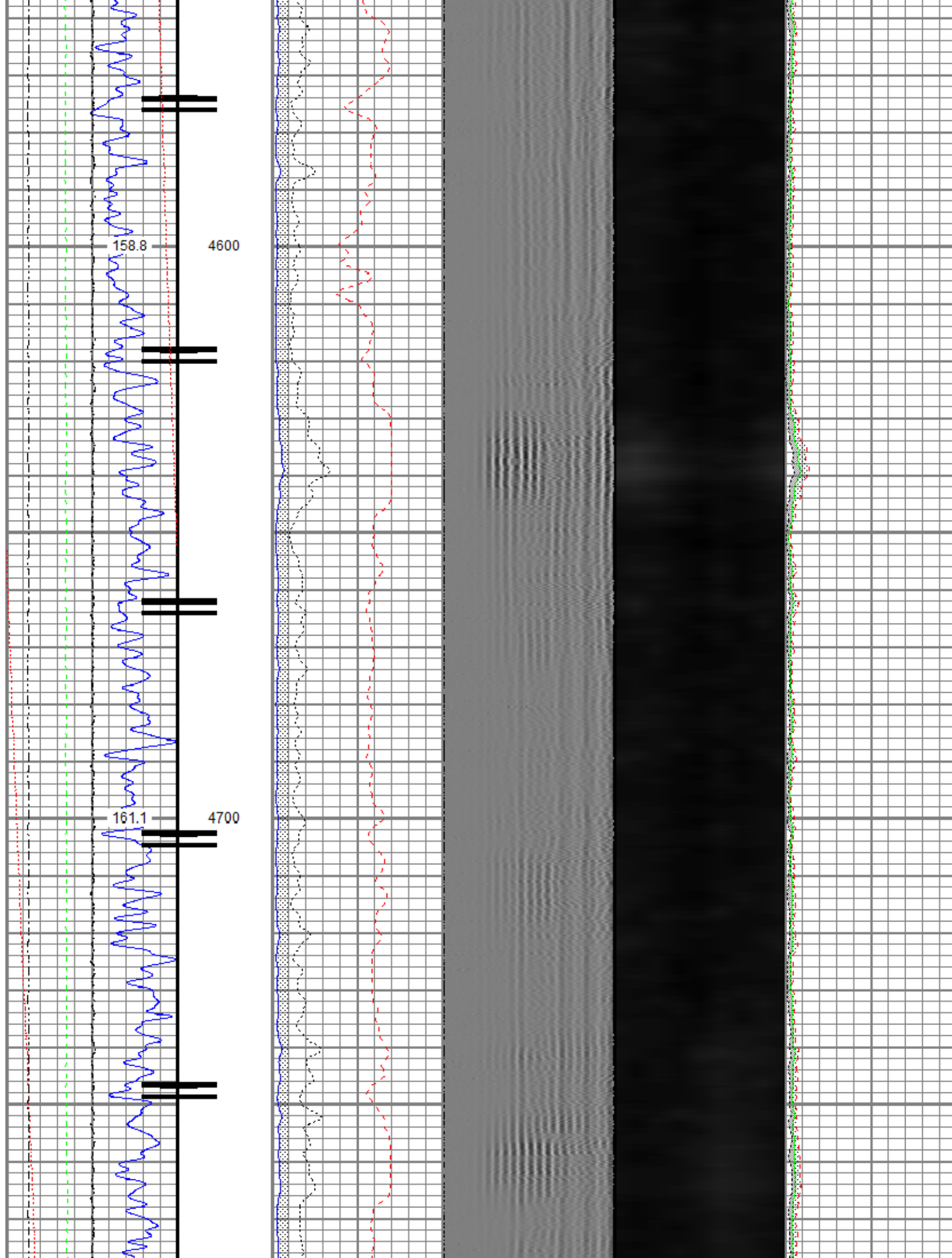


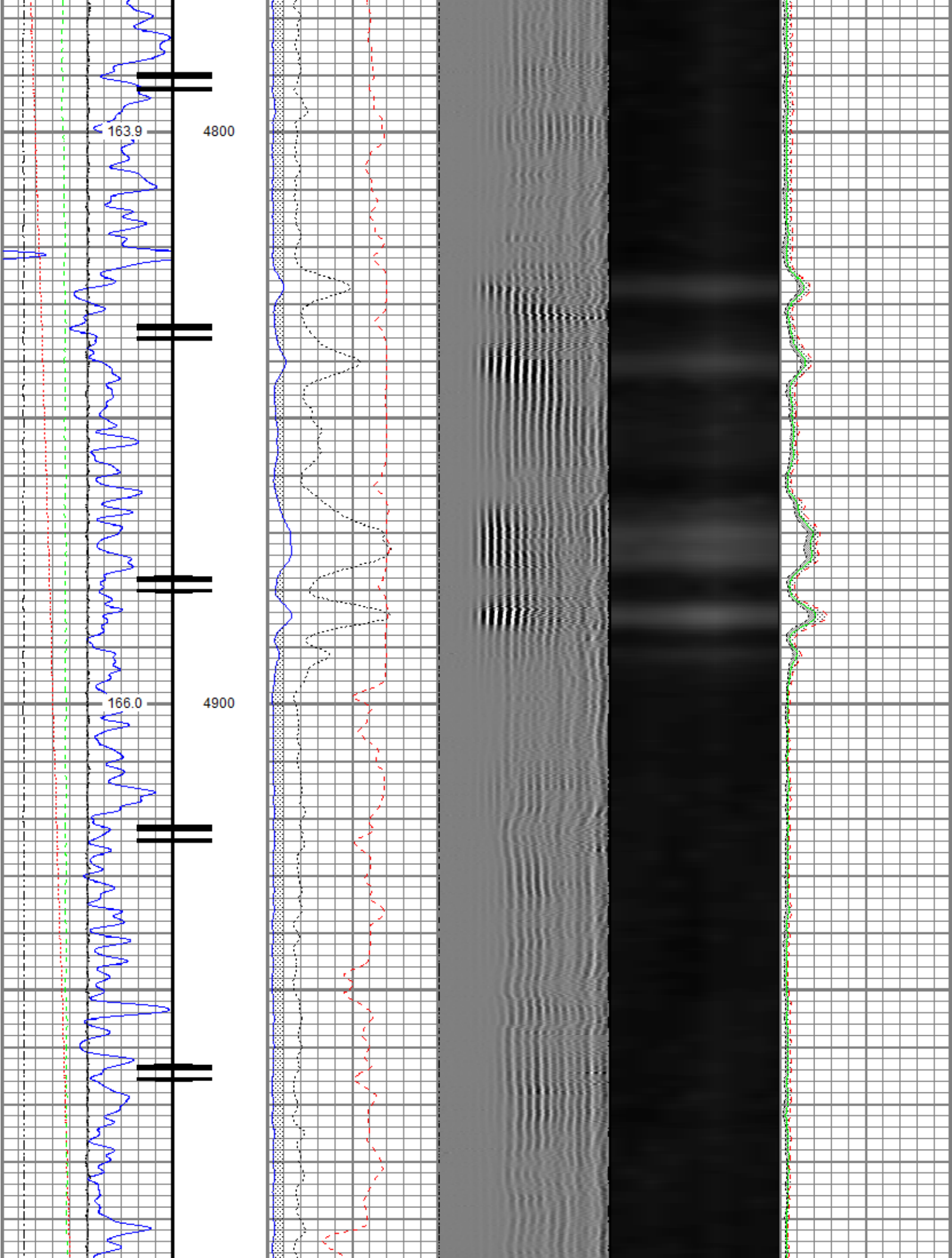


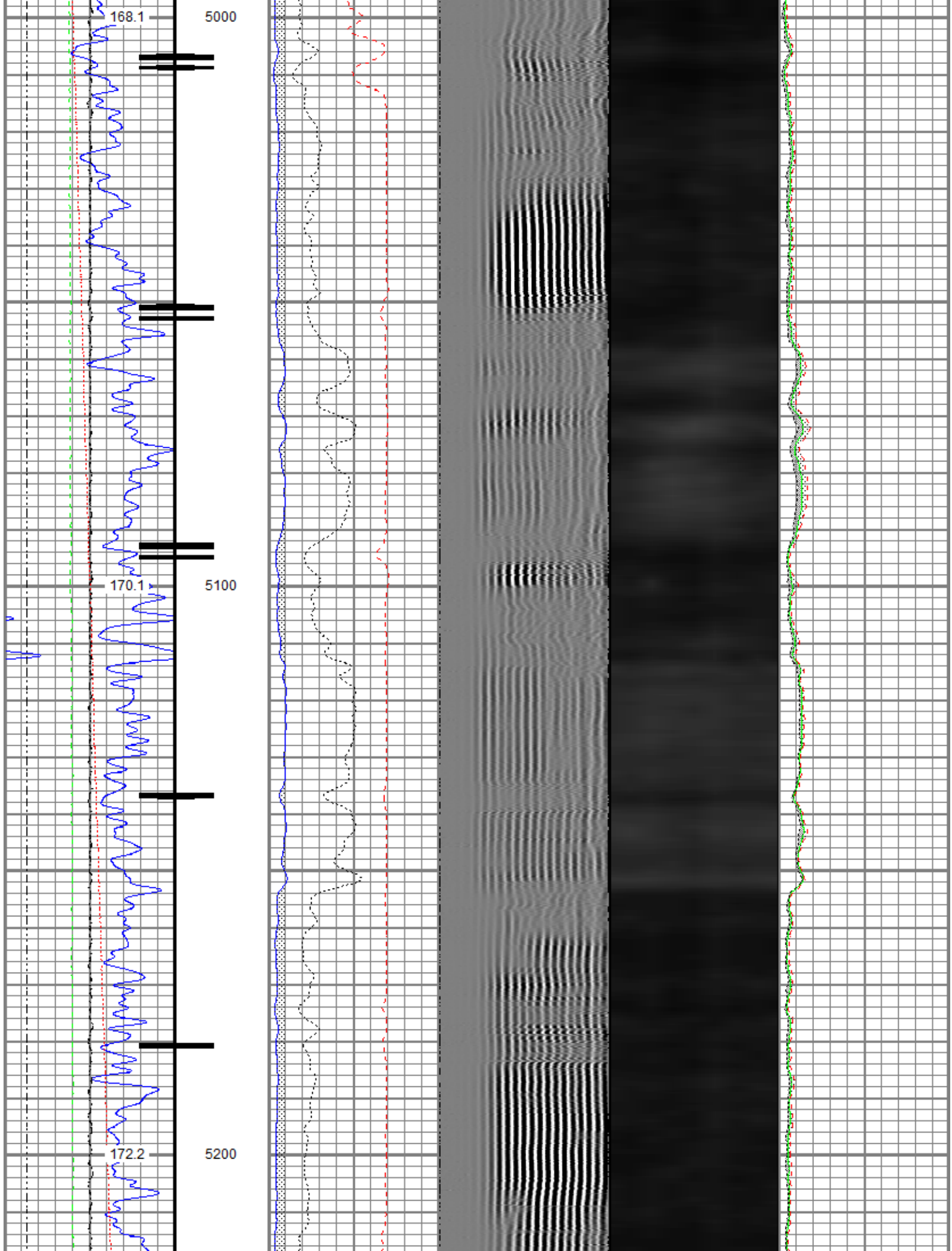


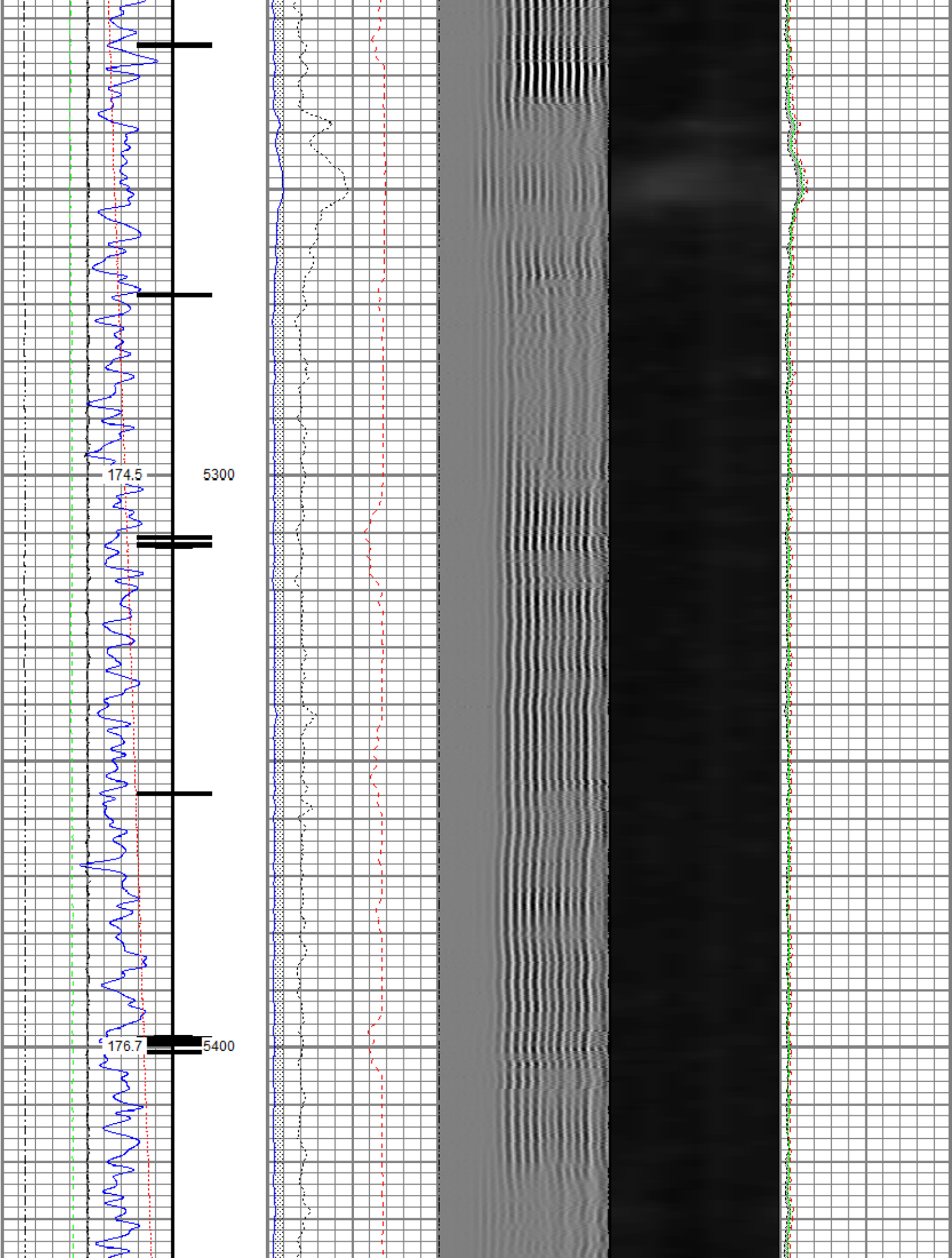


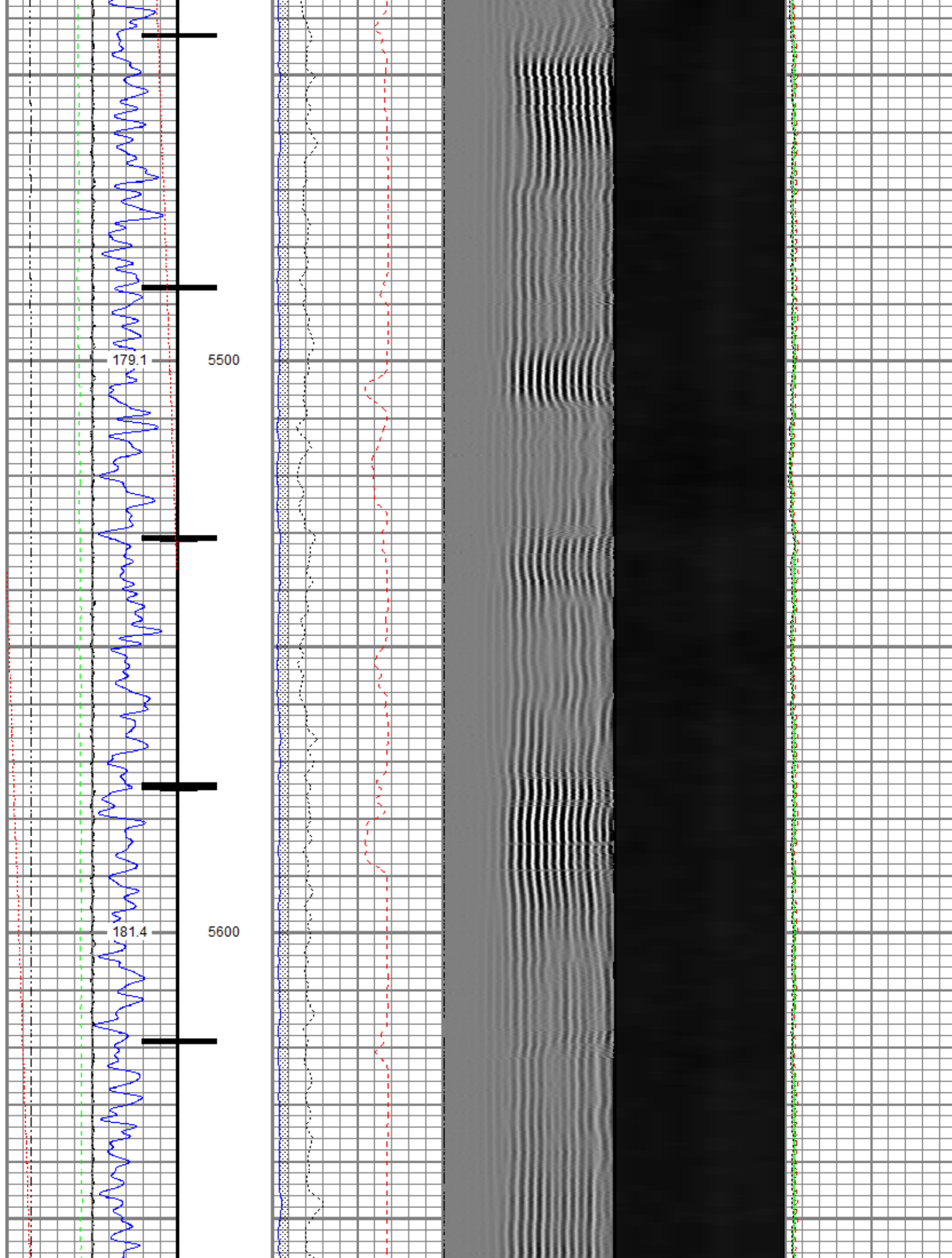


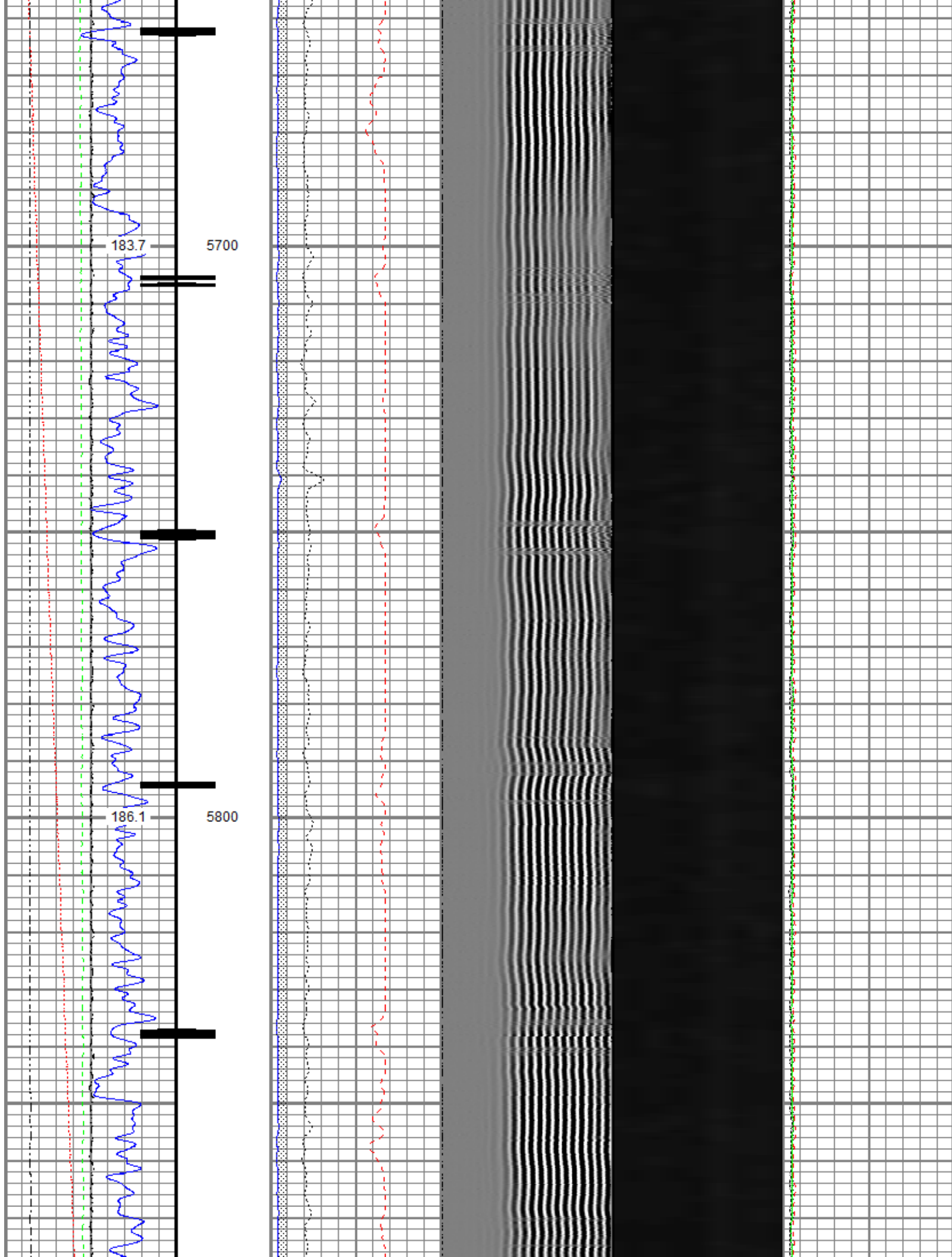


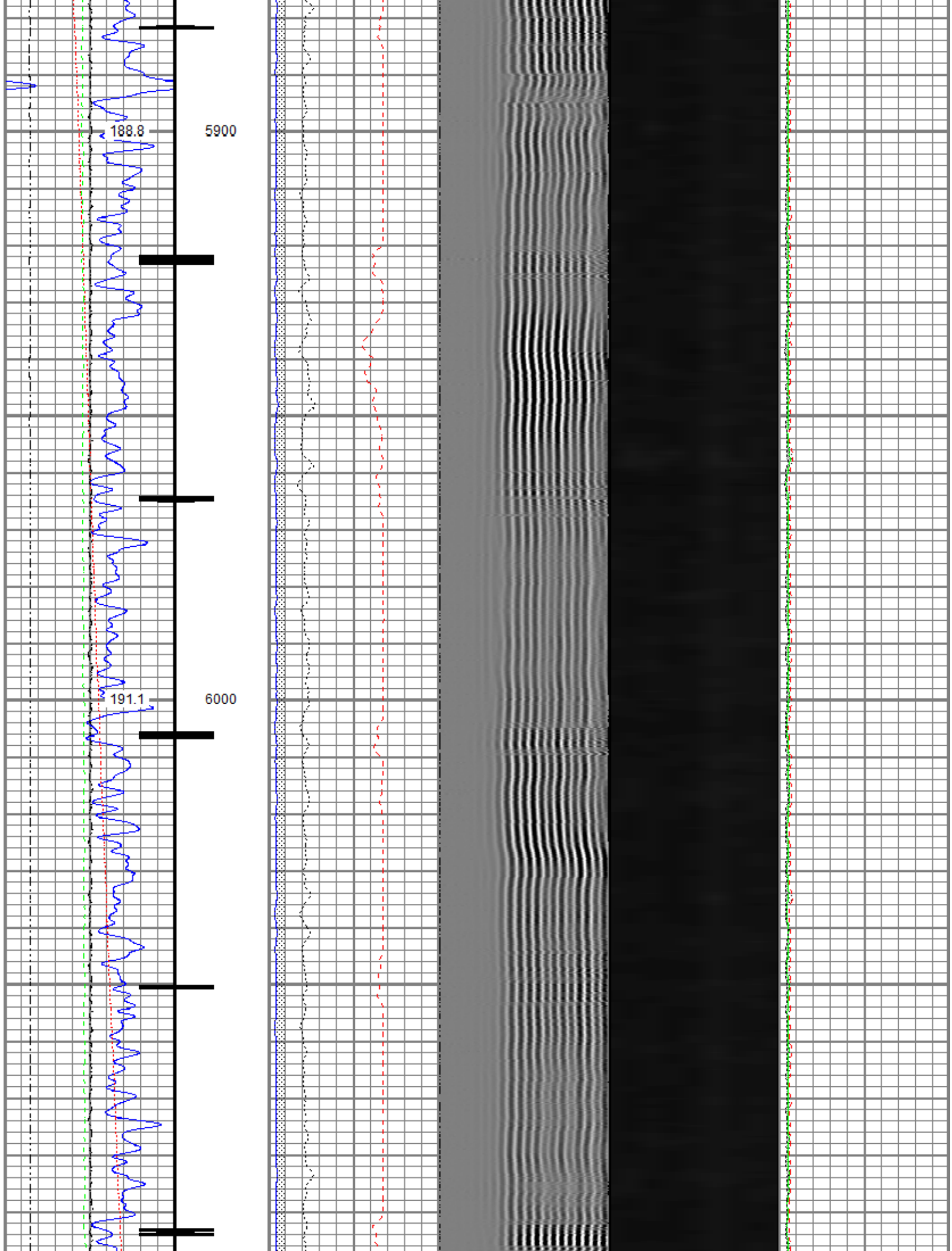


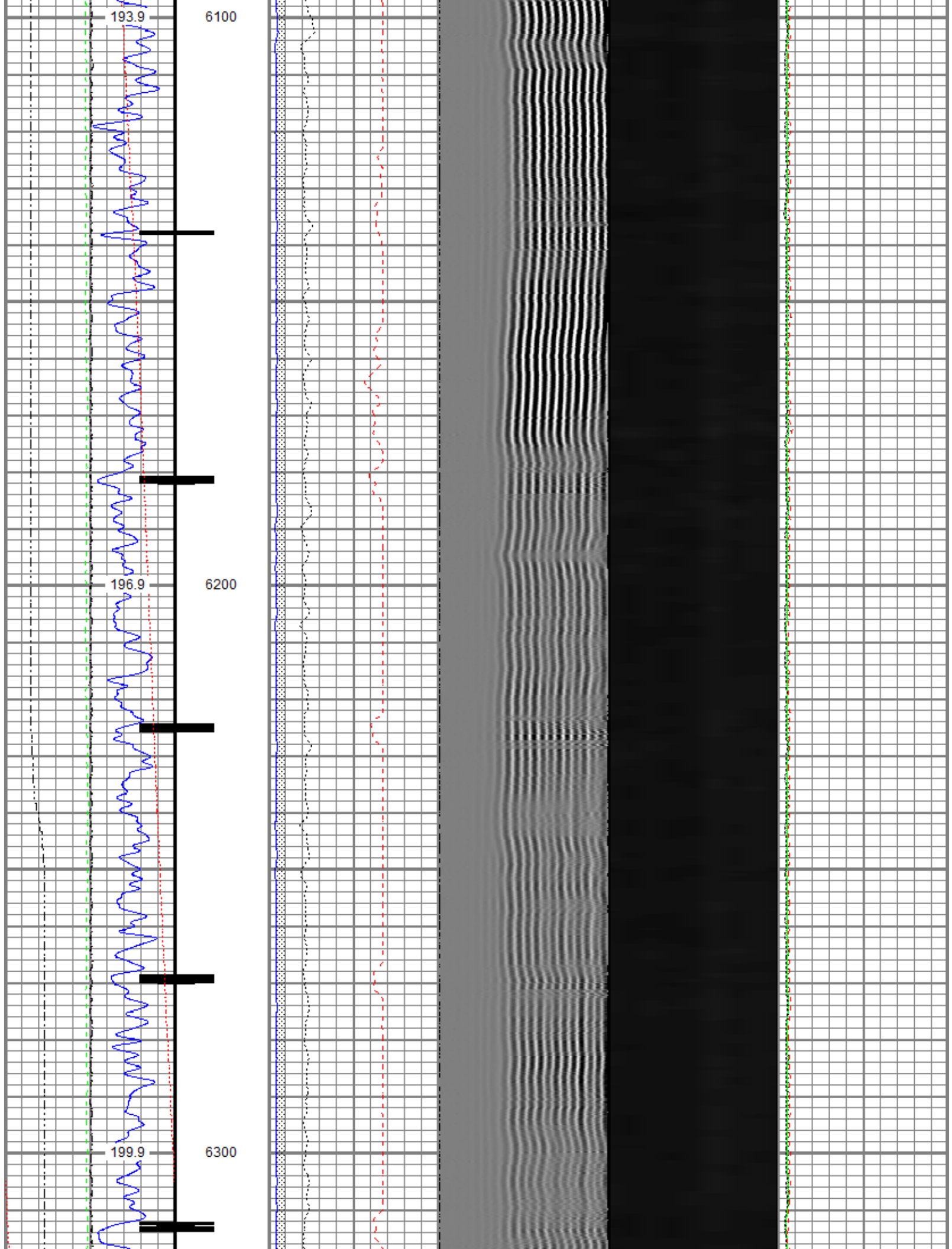


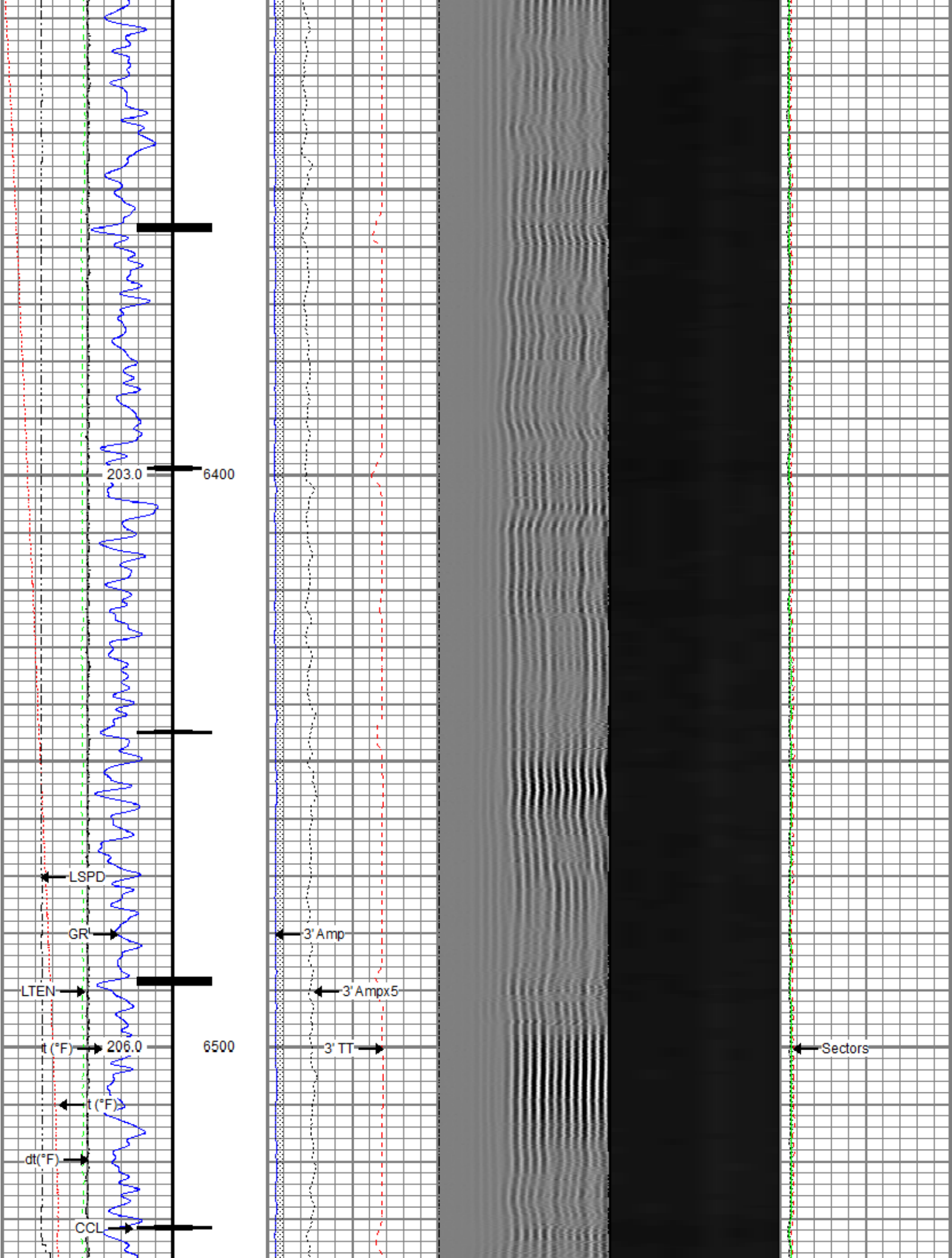


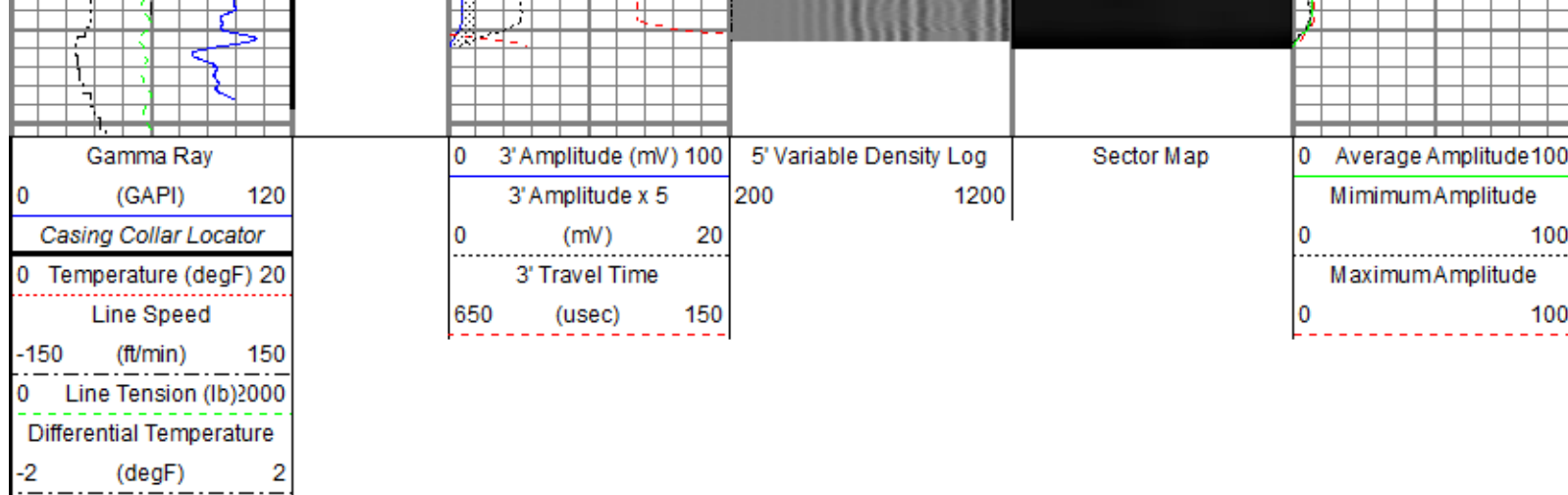








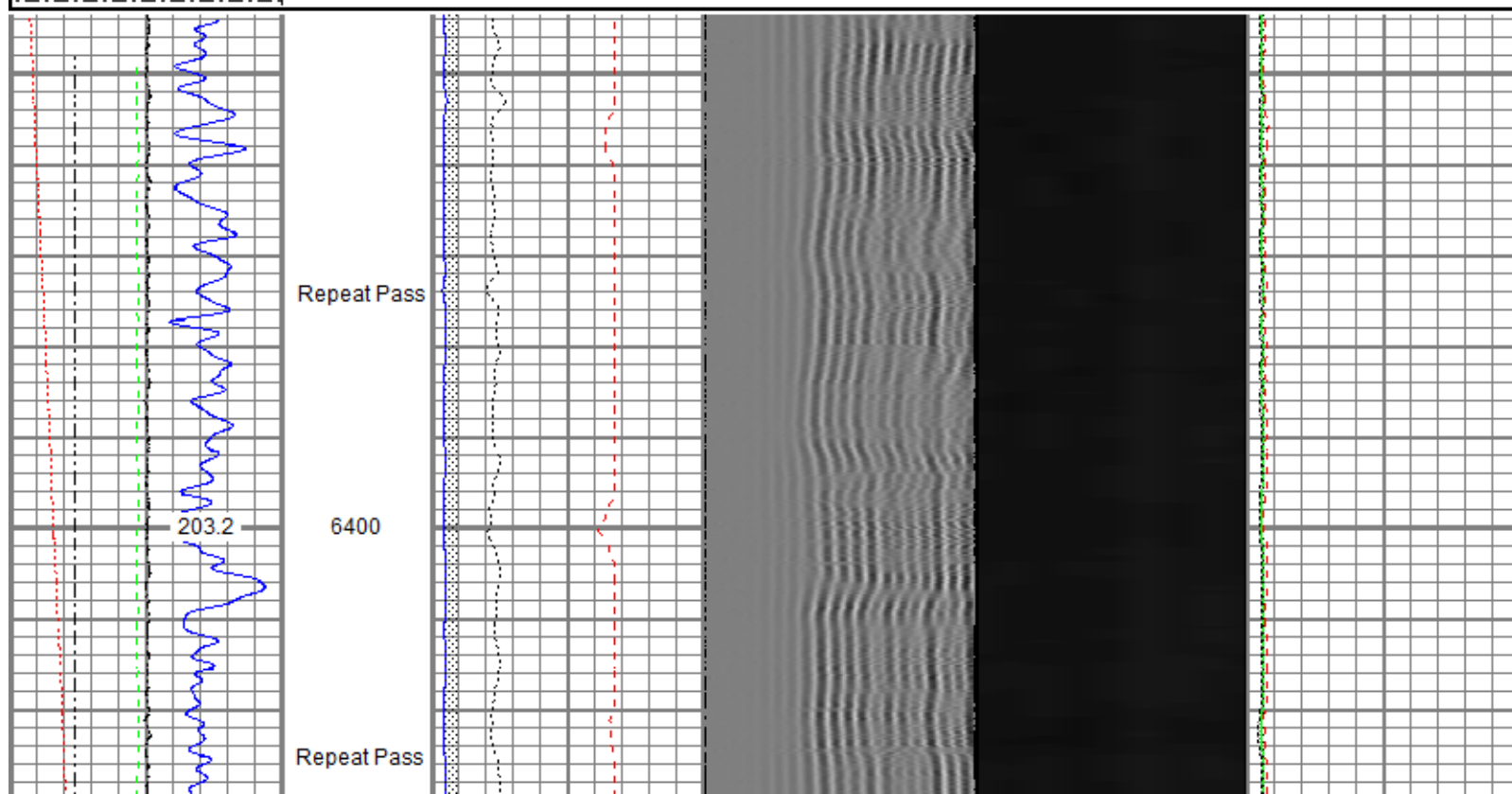
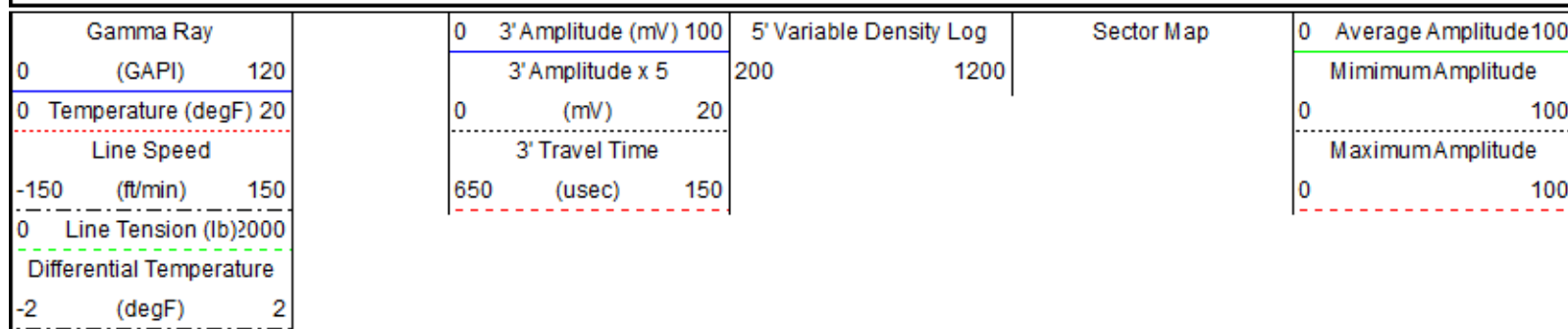


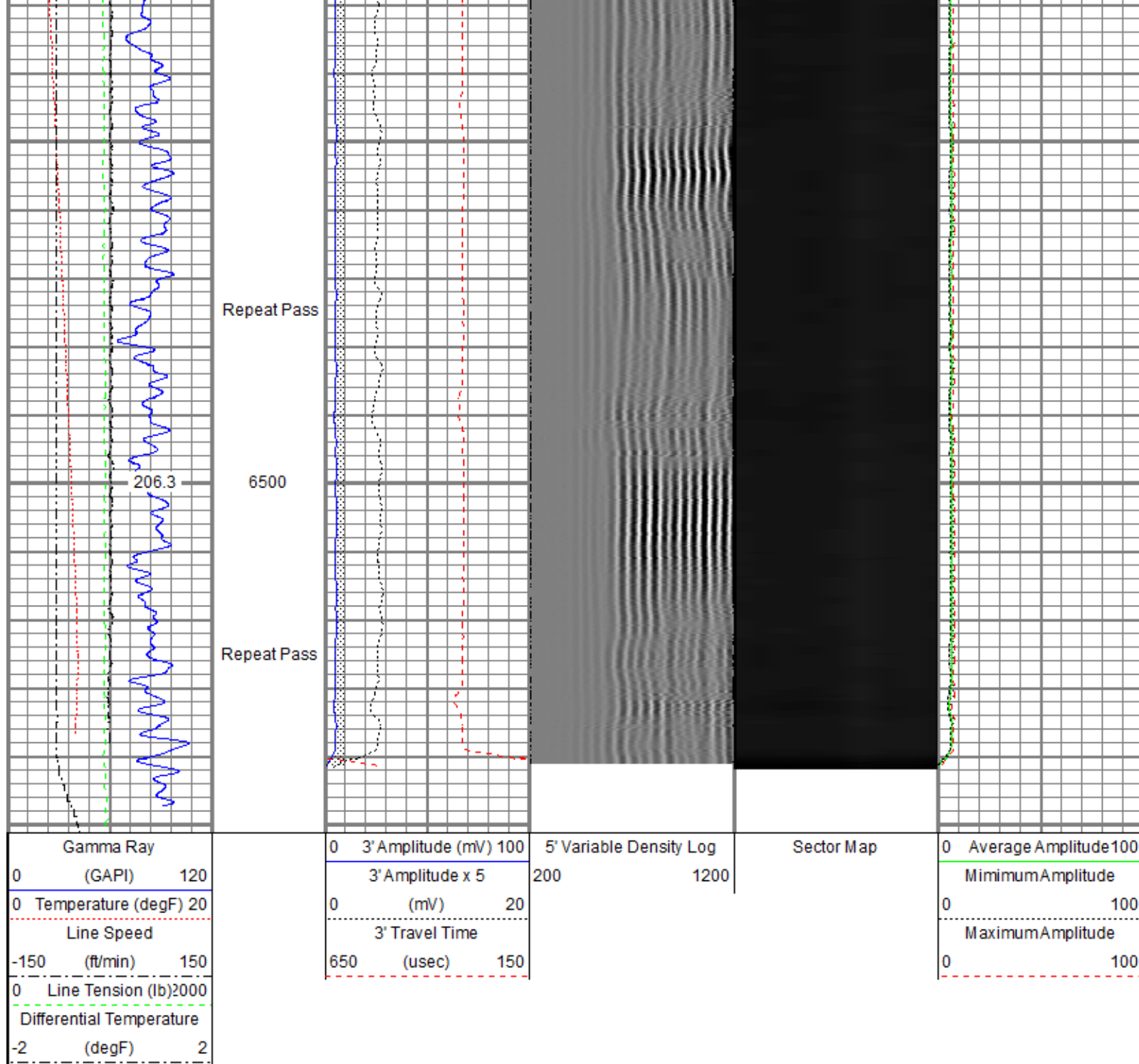


Repeat Pass

Recorded With 2800 PSI Surface Induced Pressure

Database File new folder\0512345223_anadarko_borough 1ne-17hz_rbl_01-17-18.db
 Dataset Pathname pass2.1
 Presentation Format ros_radri
 Dataset Creation Fri Jan 19 10:32:08 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	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	17.03						
WVFS8	14.80			Probe Radii-2750 RBT (FW1302-002) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
WVFS7	14.80						
WVFS6	14.80						
WVFS5	14.80						
WVFS4	14.80						
WVFS3	14.80						
WVFS2	14.80						
WVFS1	14.80						
WVFCAL	14.80						
WVF3FT	14.80						
WVF5FT	13.80						
HEADVOLT	10.55			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
CCL\$2	6.79						
CCL\$1	6.79						
GR	5.55			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
				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
<div>Dataset: 0512345223_Anadarko_Borough 1NE-17HZ_RBL_01-17-18.db: field/well/run1/pass1</div> <div>Total length: 23.86 ft</div> <div>Total weight: 225.60 lb</div> <div>O.D.: 2.75 in</div>							

Calibration Report			
Database File	C:\ProgramData\Warrior\Data\New folder\0512345223_Anadarko_Borough 1NE-17HZ_RBL_01-17-18.db		
Dataset Pathname	pass1		
Dataset Creation	Wed Jan 17 10:57:46 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: -56.503 ft

Master Calibration, performed Wed Jan 17 08:02:15 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.016	0.507	0.800	71.921	144.741	-1.529
CAL	0.676	0.503				
5'	0.008	0.491	0.800	71.921	147.399	-0.429
SUM						
S1	0.013	0.506	0.000	100.000	202.662	-2.603
S2	0.017	0.504	0.000	100.000	205.185	-3.499
S3	0.016	0.506	0.000	100.000	203.908	-3.186
S4	0.015	0.506	0.000	100.000	203.700	-3.063
S5	0.012	0.507	0.000	100.000	202.117	-2.489
S6	0.014	0.510	0.000	100.000	201.873	-2.923
S7	0.016	0.510	0.000	100.000	202.527	-3.194
S8	0.015	0.507	0.000	100.000	203.195	-3.113

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.676	0.503	1.000	0.000

Air Zero Calibration, performed Wed Jan 17 08:01:50 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 1NE-17HZ
Field	Wattenberg
County	Weld
State	Colorado