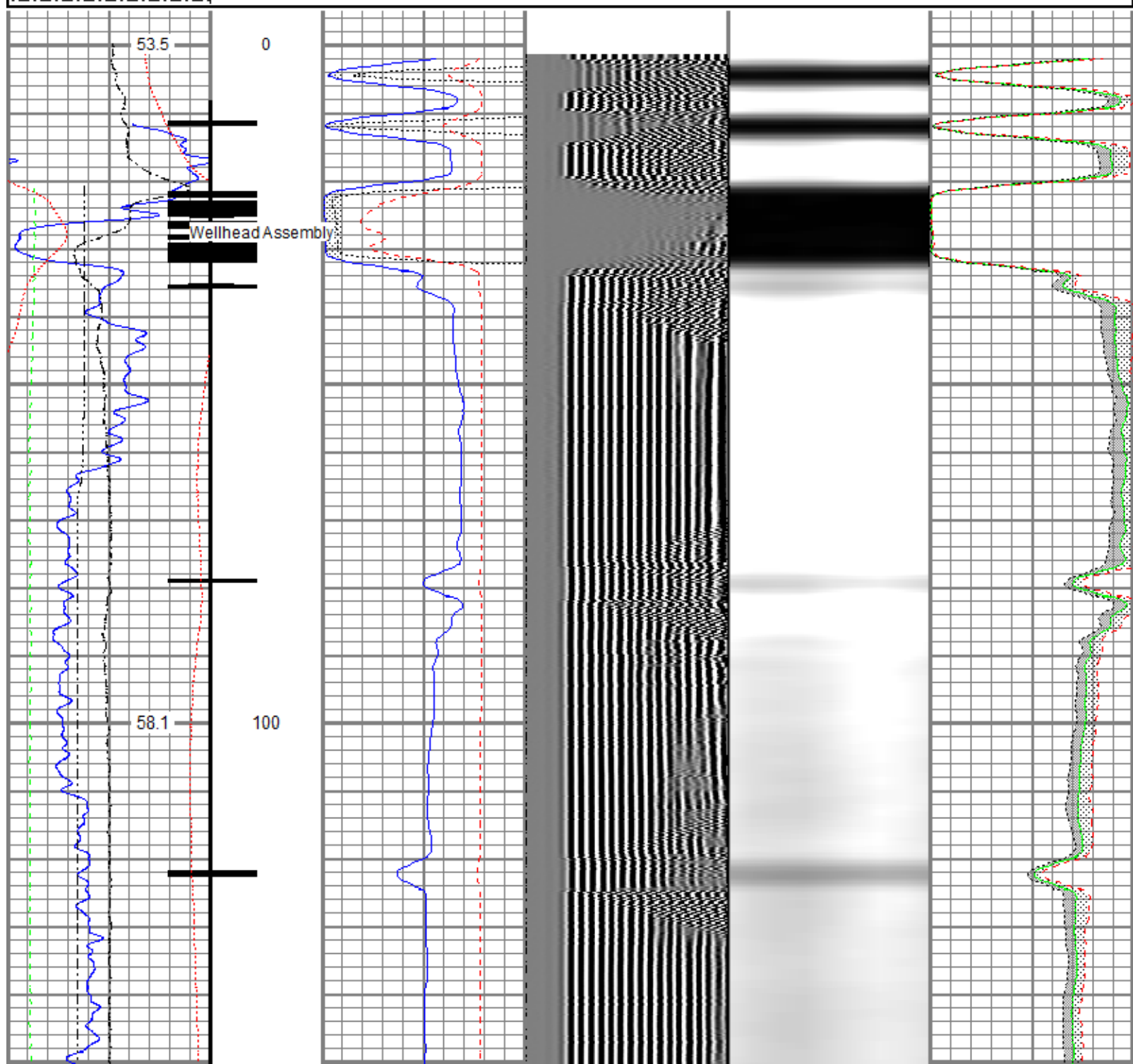


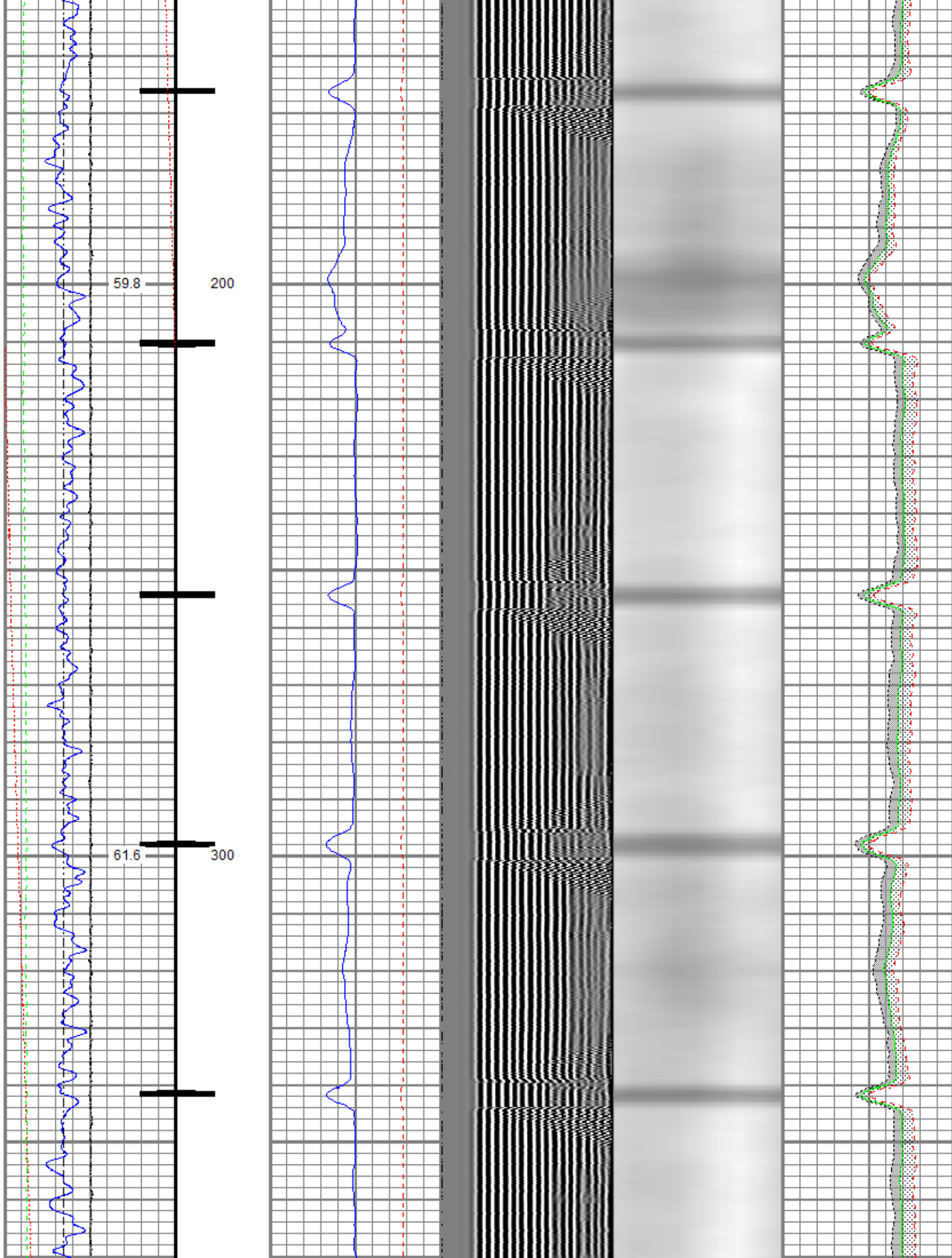


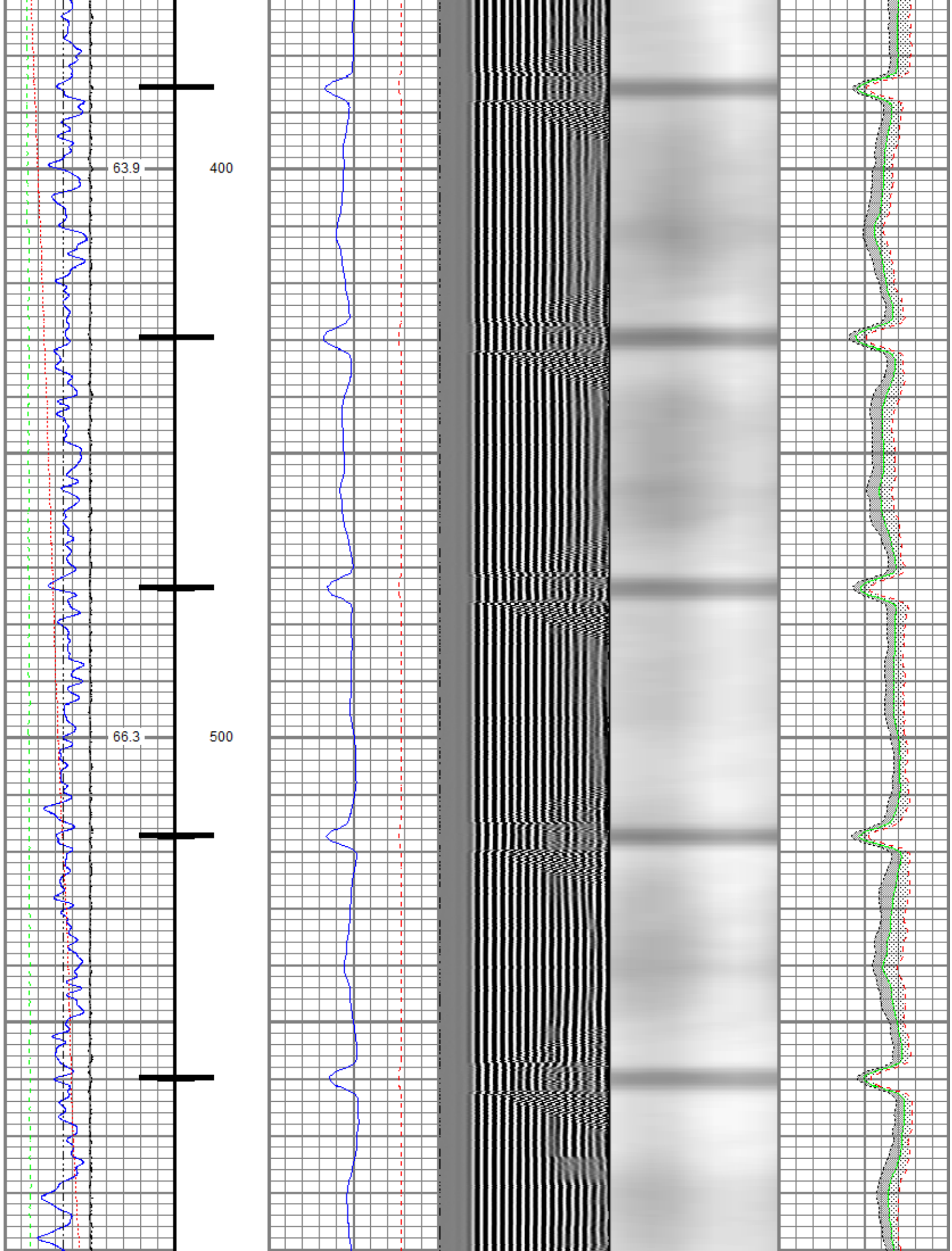
<<< Fold Here >>>
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible 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 32 FT Adjusted -6 FT to correlate with Kelly Bushing Gauge Ring/Junk Basket ran to 7605 FT with no debris Log ran from just above WRP 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>

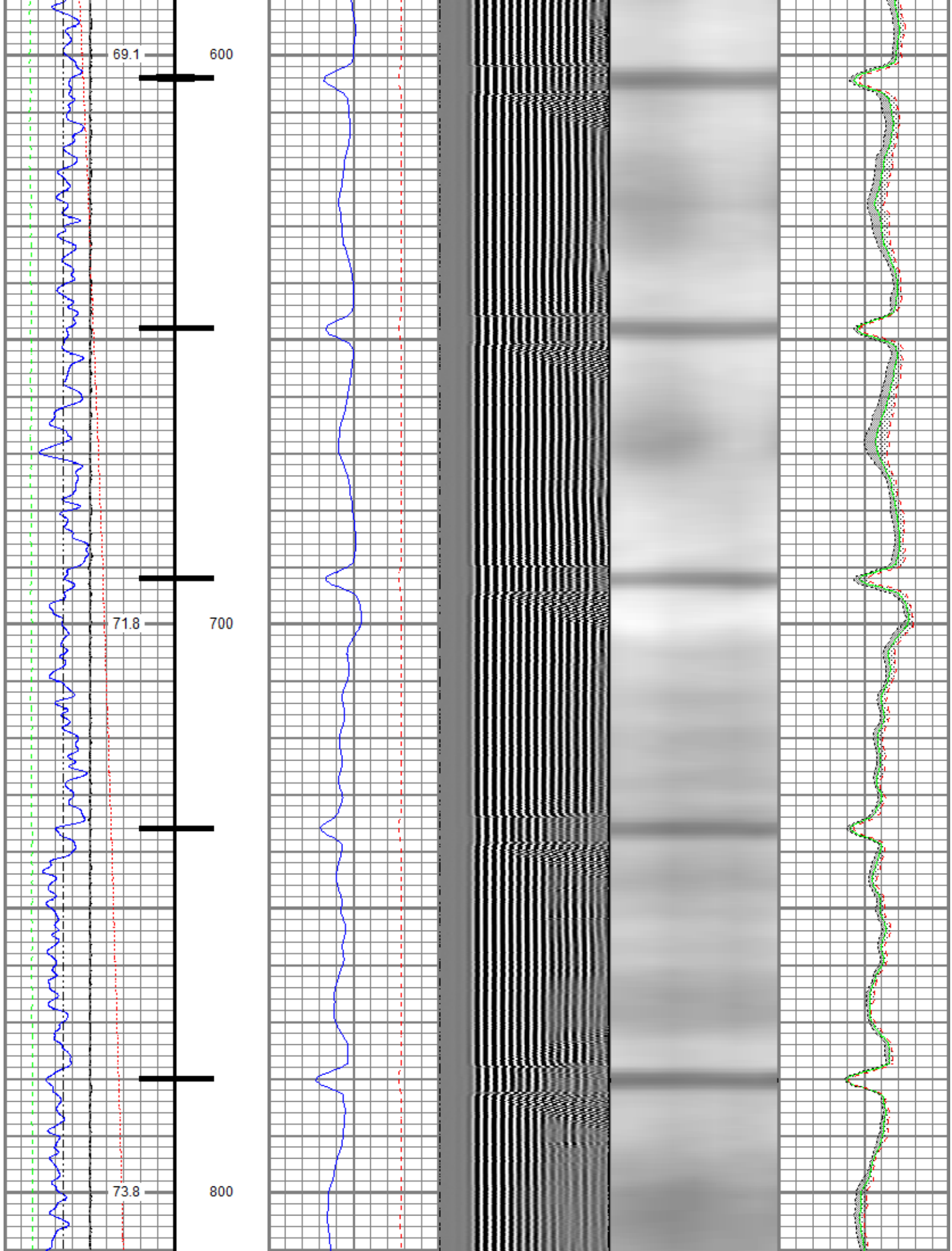
Database File 0512345248_anadarko_robin 9-14hz_rbl_cnl_01-04-18\0512345248_anadarko_robin 9-14hz_rbl_01-04-18.db
 Dataset Pathname pass9
 Presentation Format ros_radrii
 Dataset Creation Fri Jan 05 09:17:22 2018
 Charted by Depth in Feet scaled 1:240

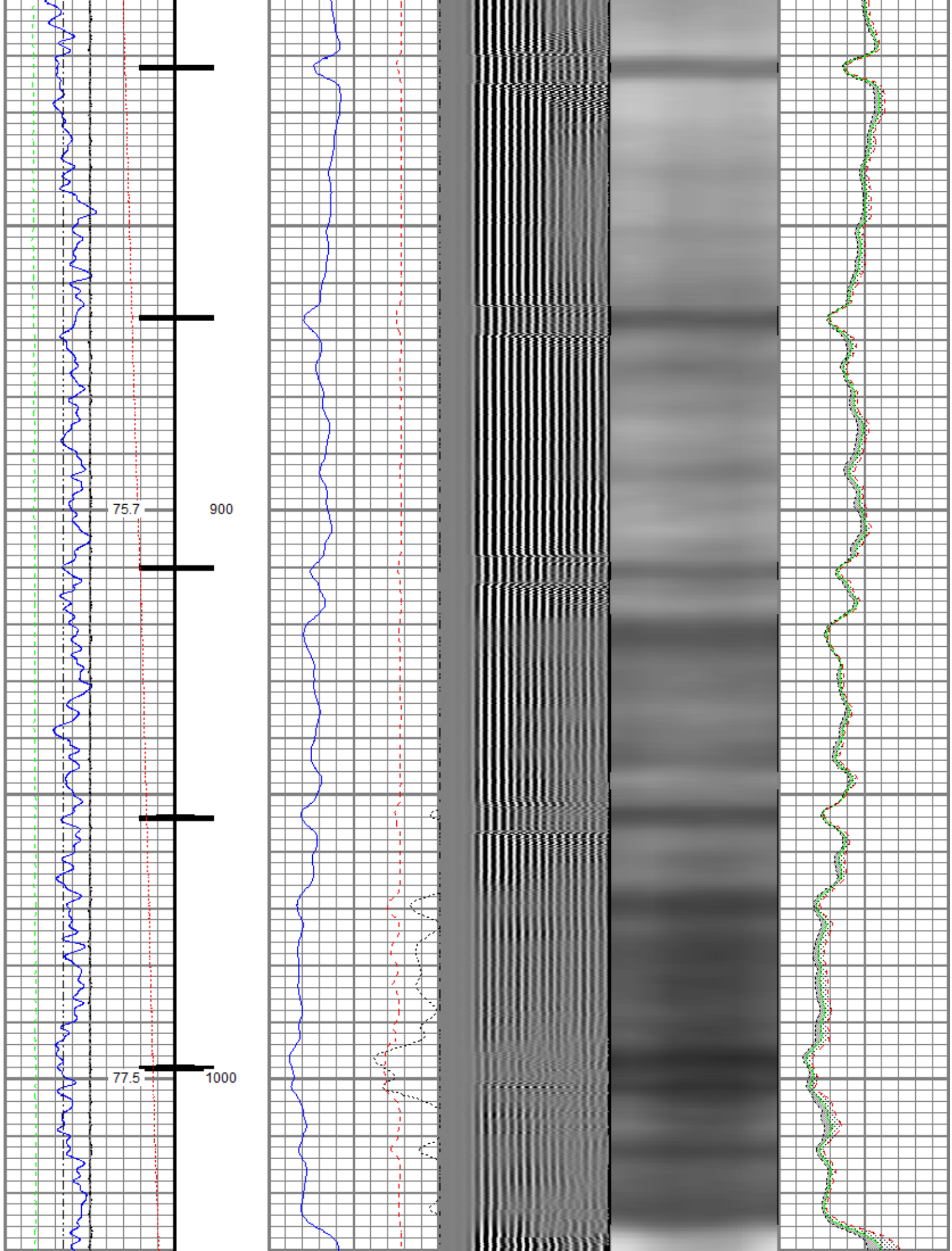
Gamma Ray	0	3' Amplitude (mV) 100	5' Variable Density Log	Sector Map	0	Average Amplitude 100
(GAPI) 120		3' Amplitude x 5	200			Minimum Amplitude
Casing Collar Locator	0	(mV) 20			0	100
Temperature (degF) 20		3' Travel Time				Maximum Amplitude
Line Speed	650	(usec) 150			0	100
-150 (ft/min) 150				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

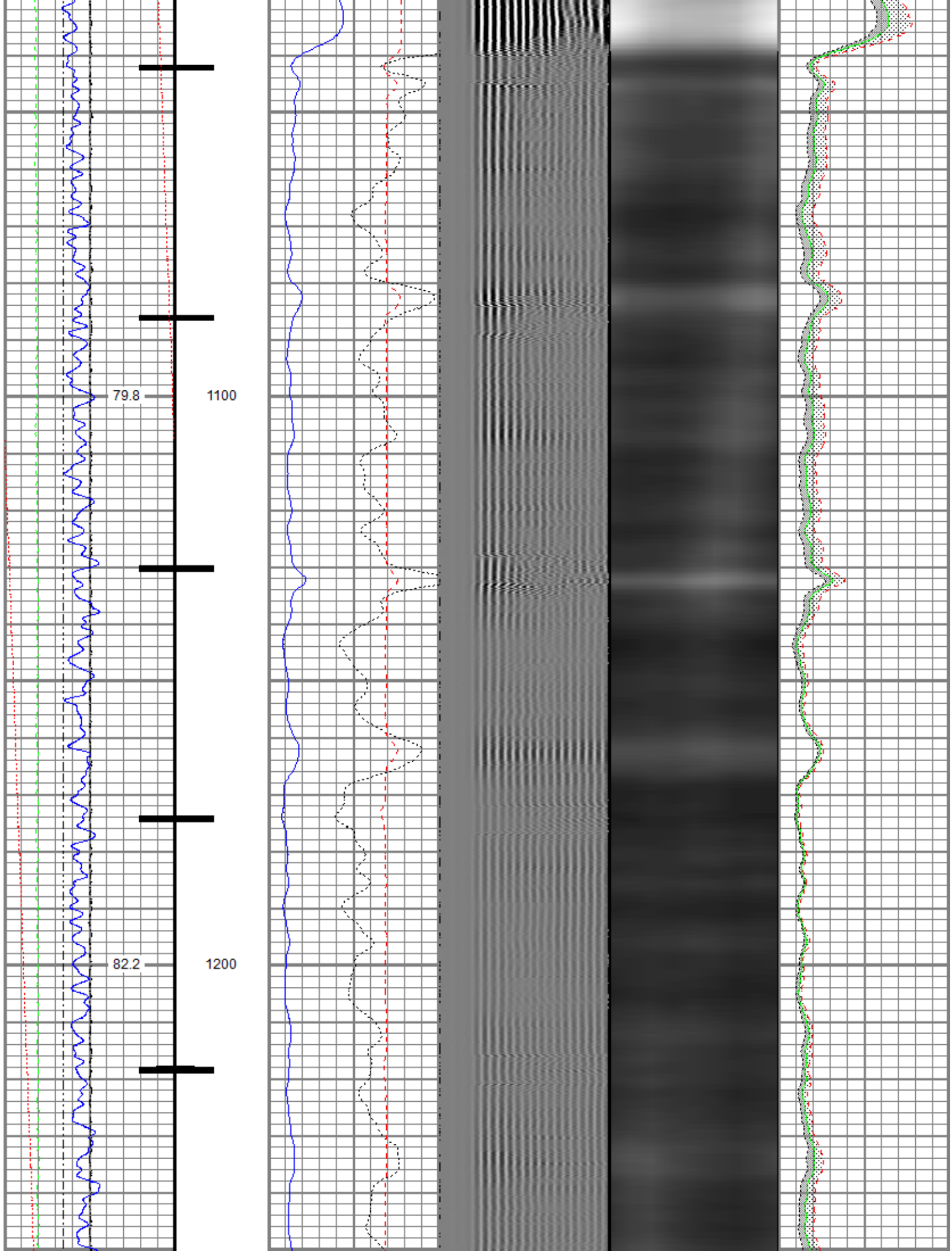


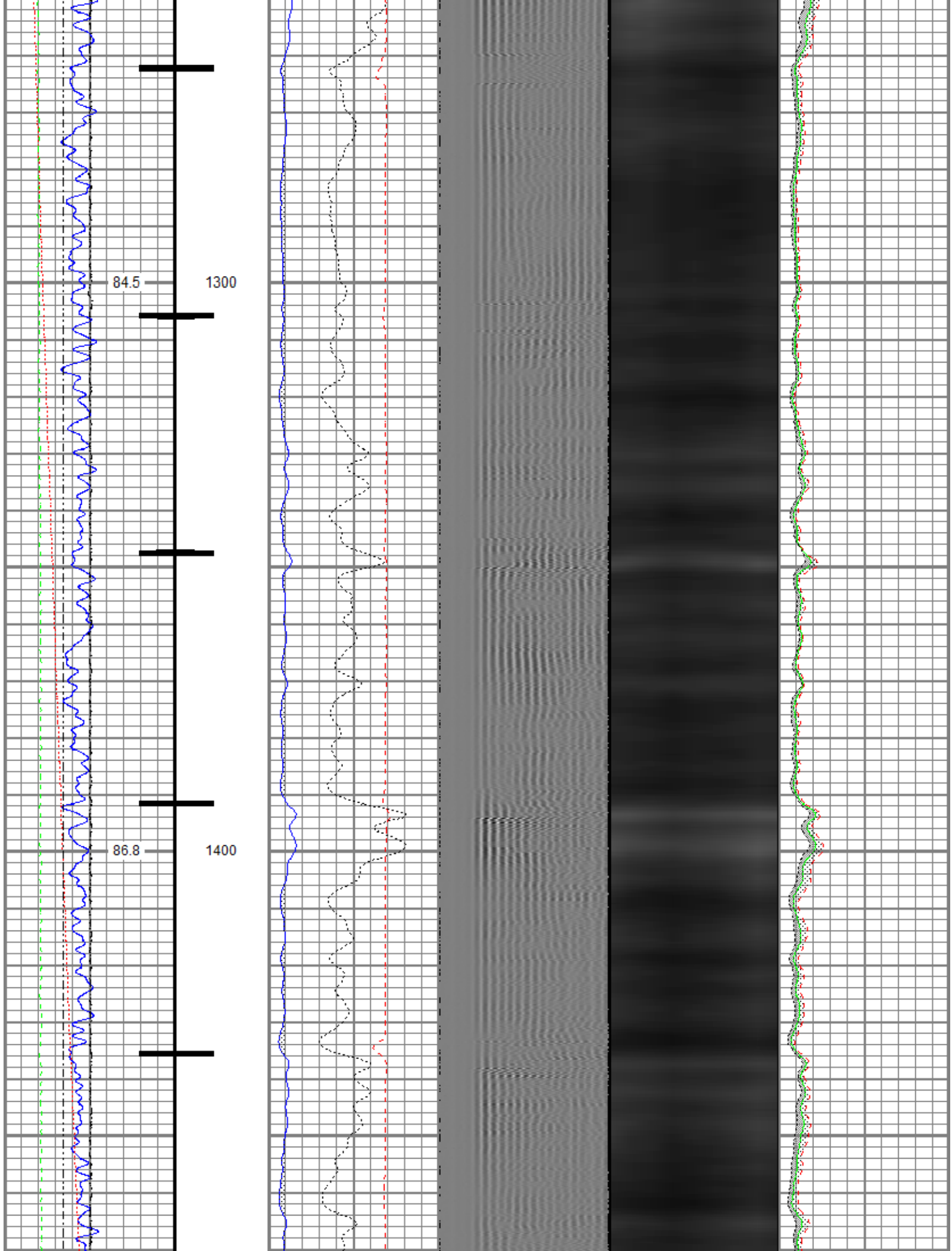


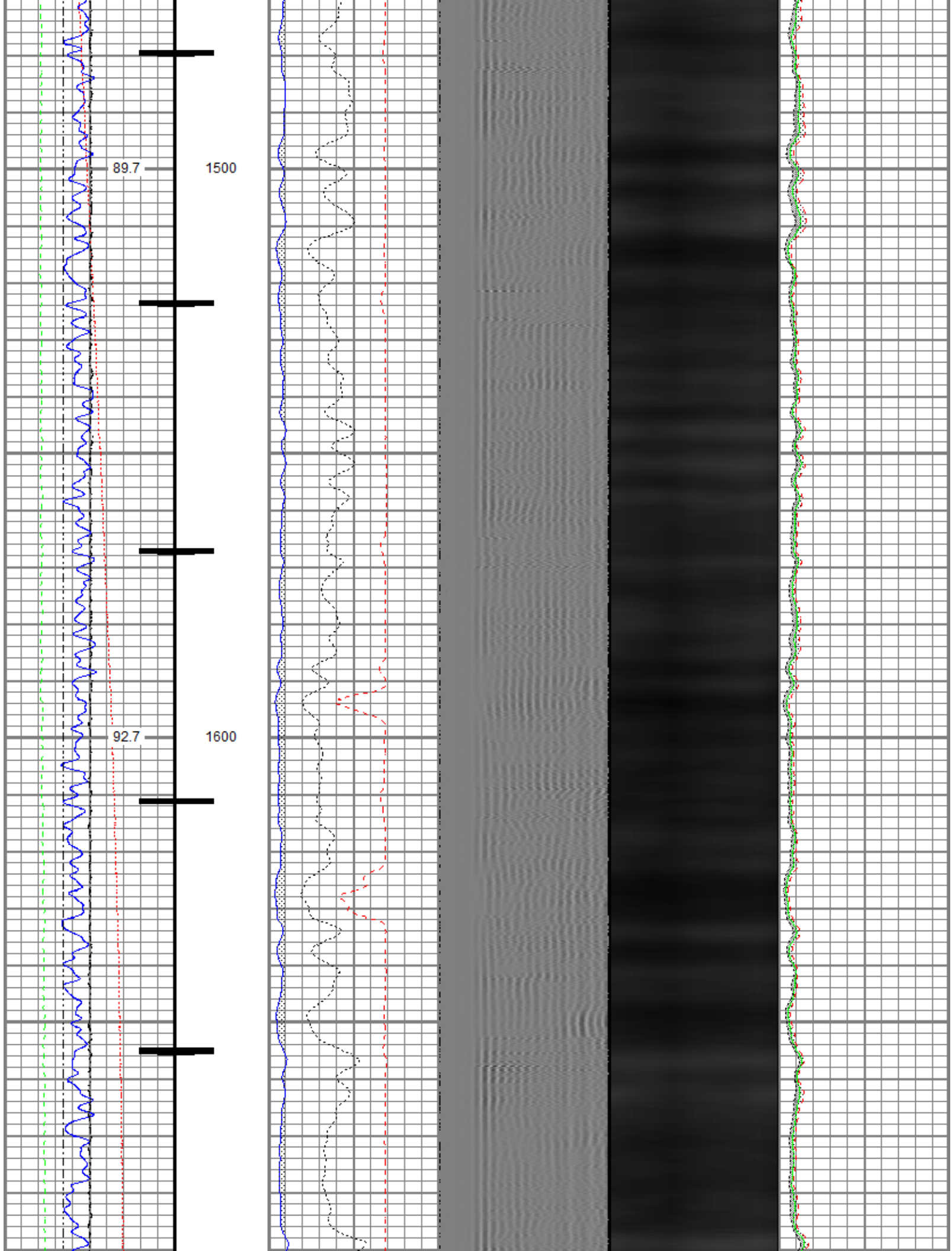


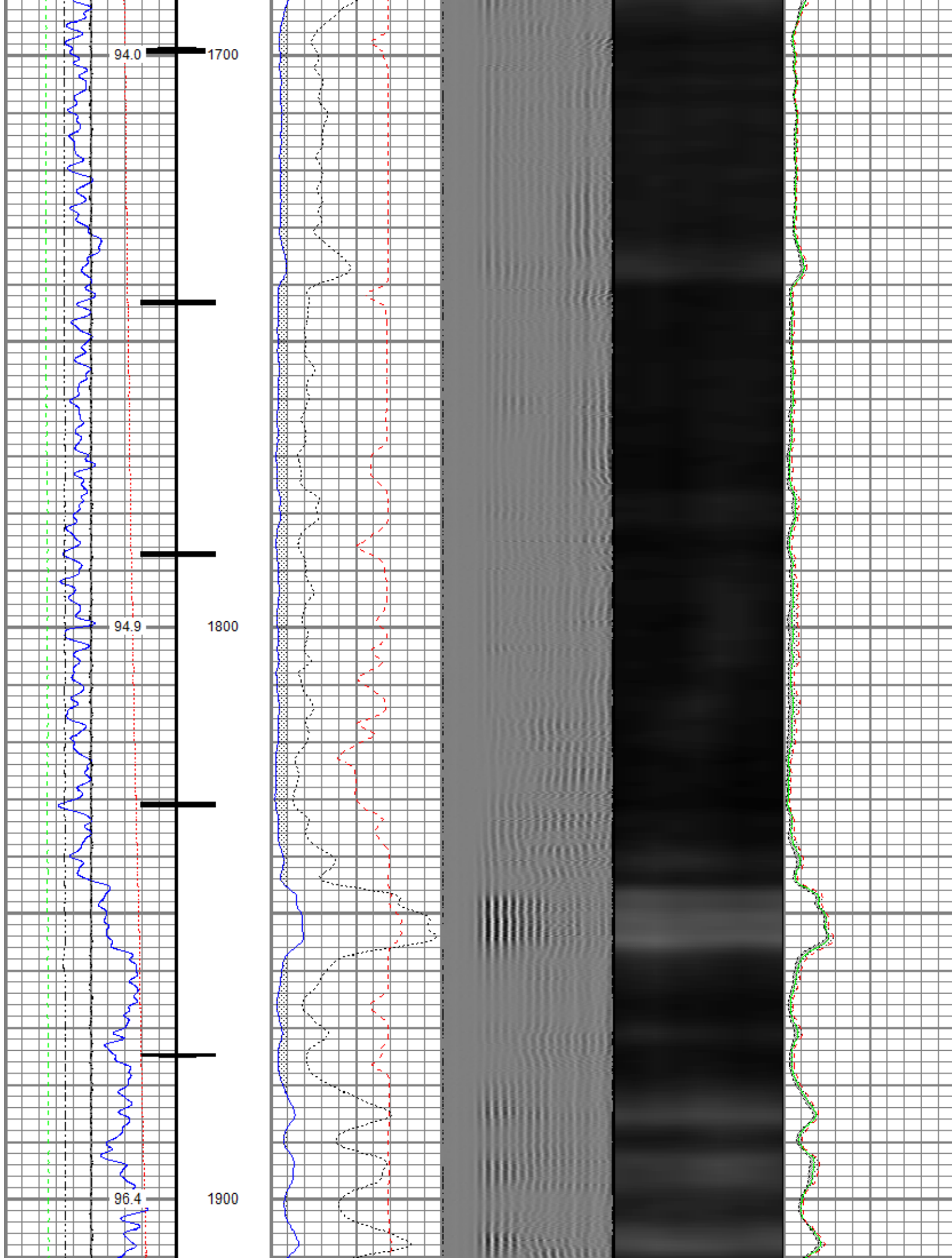


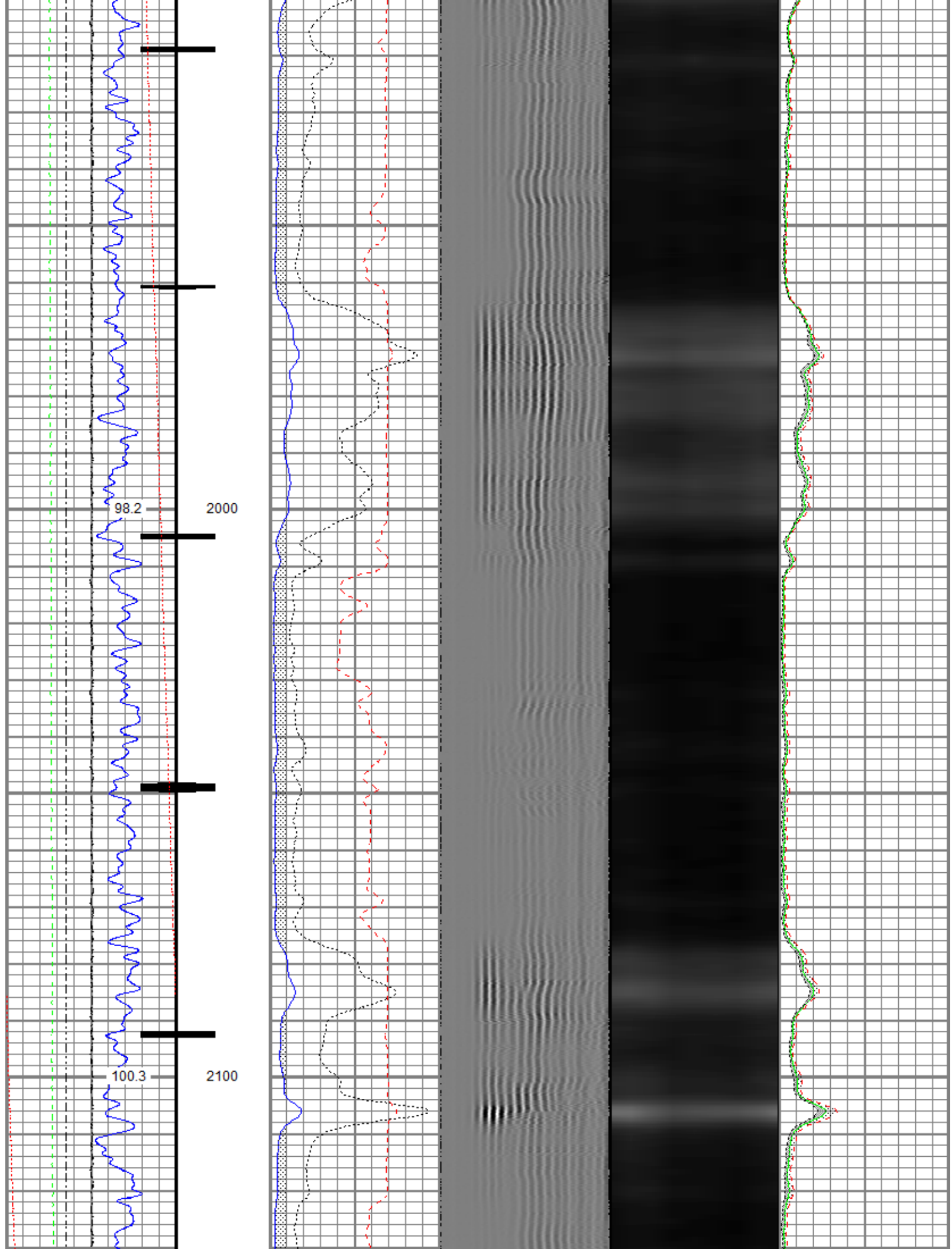


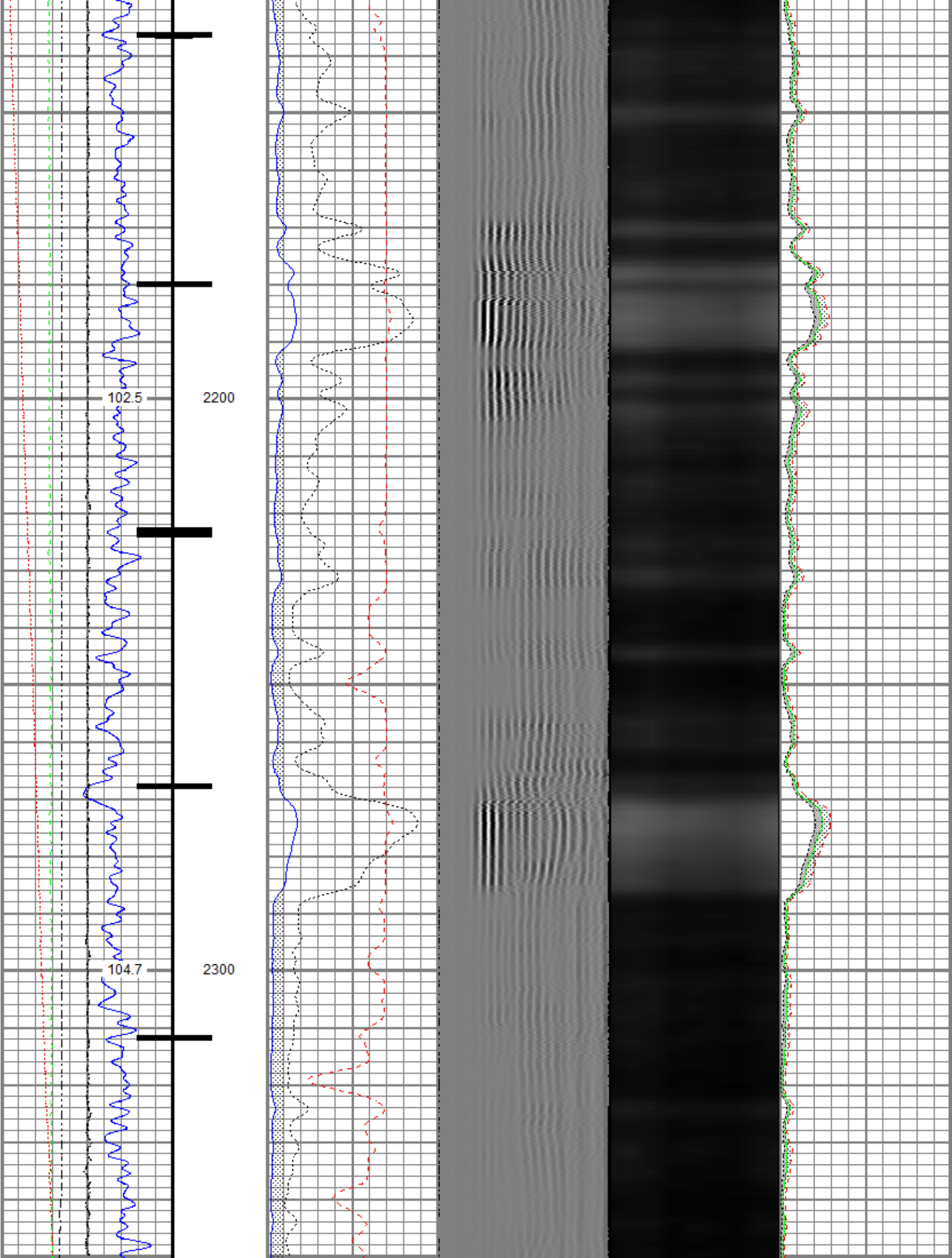


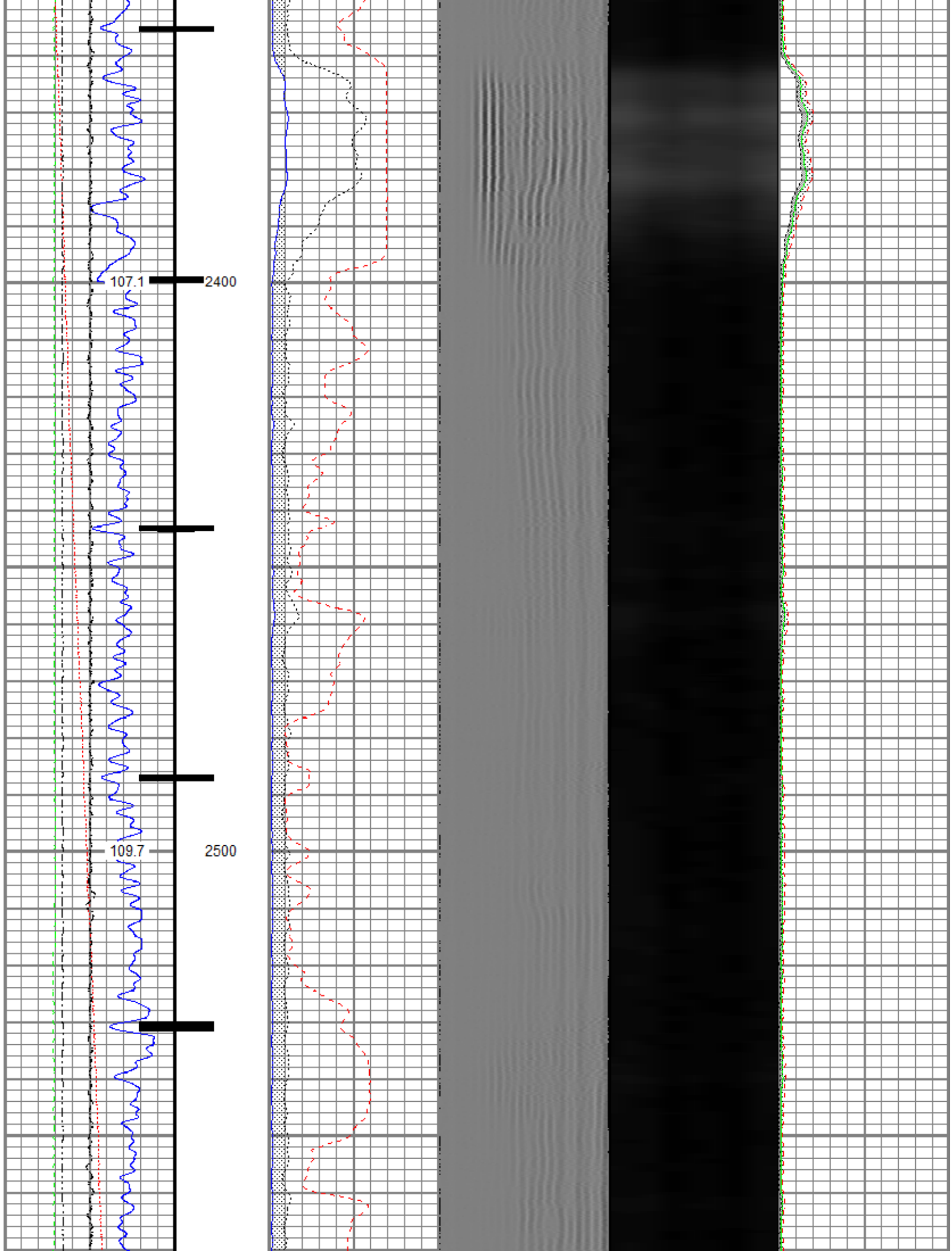


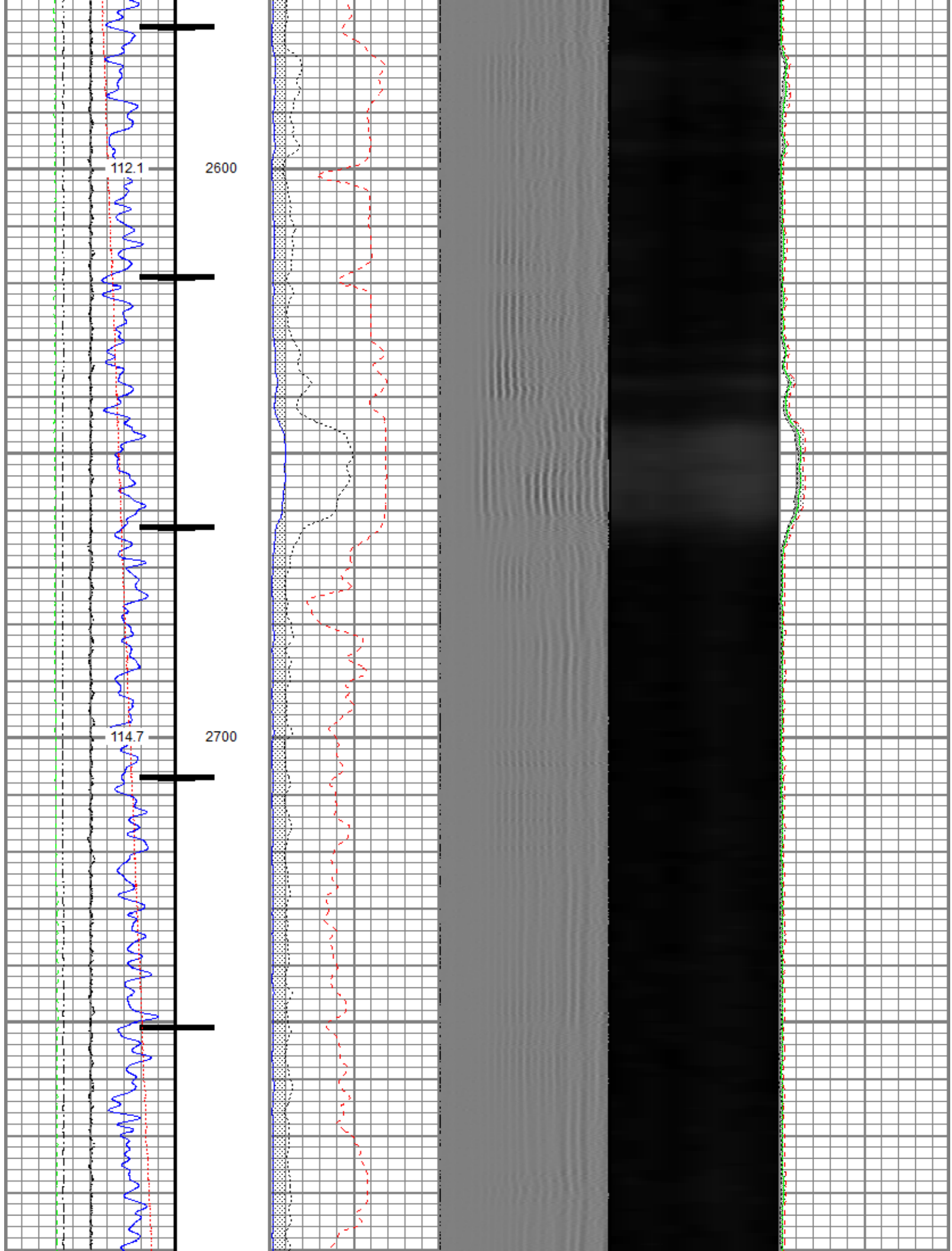


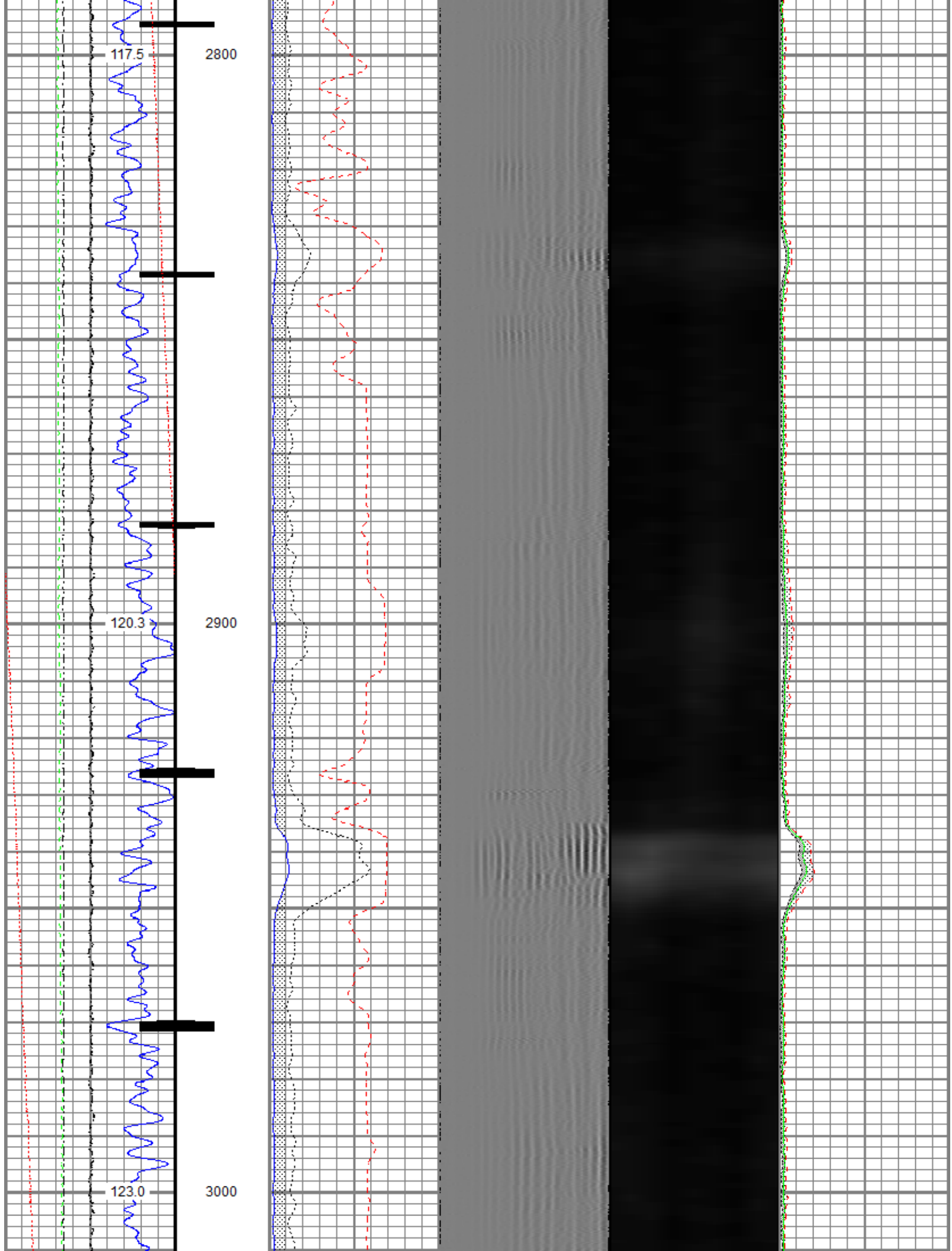


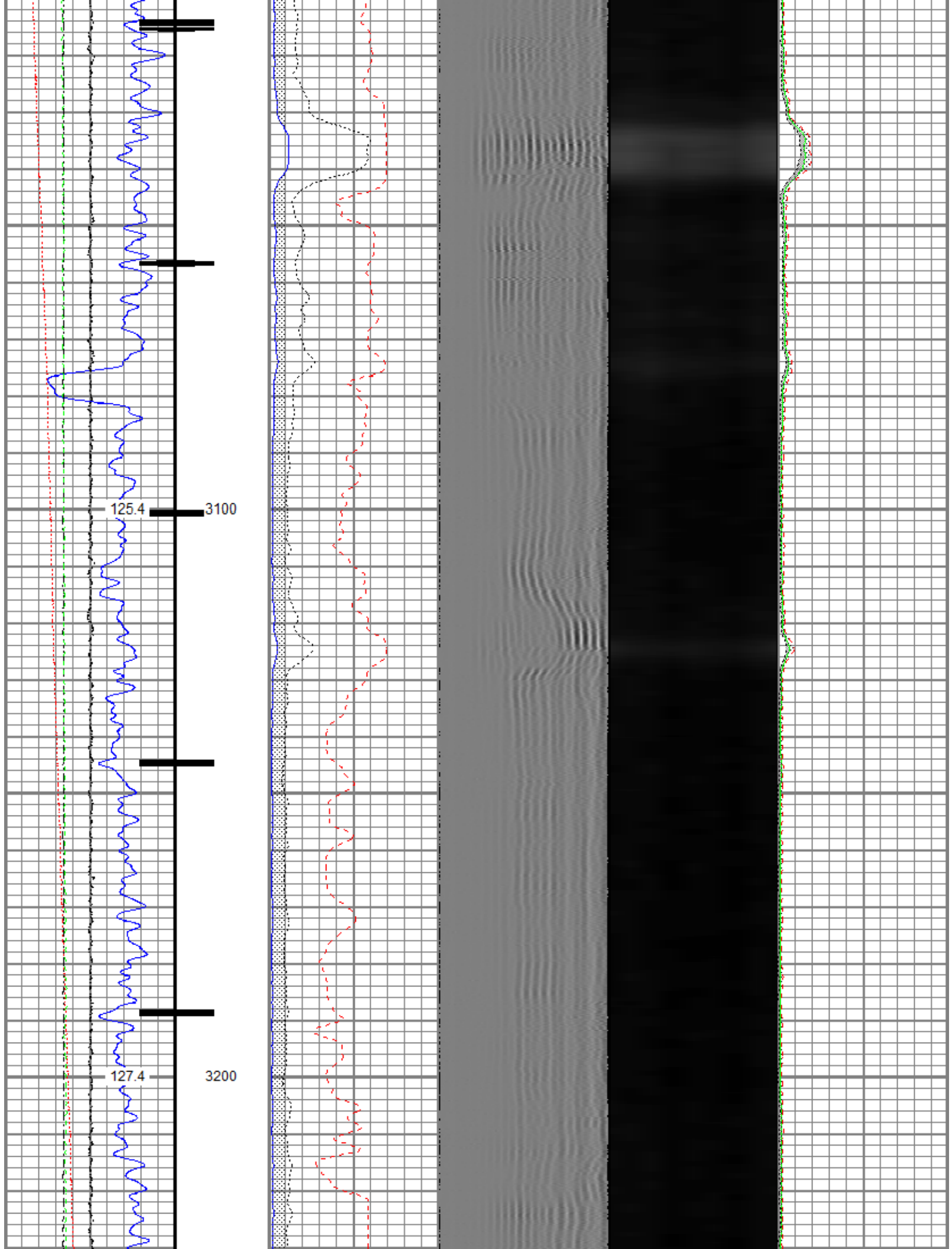


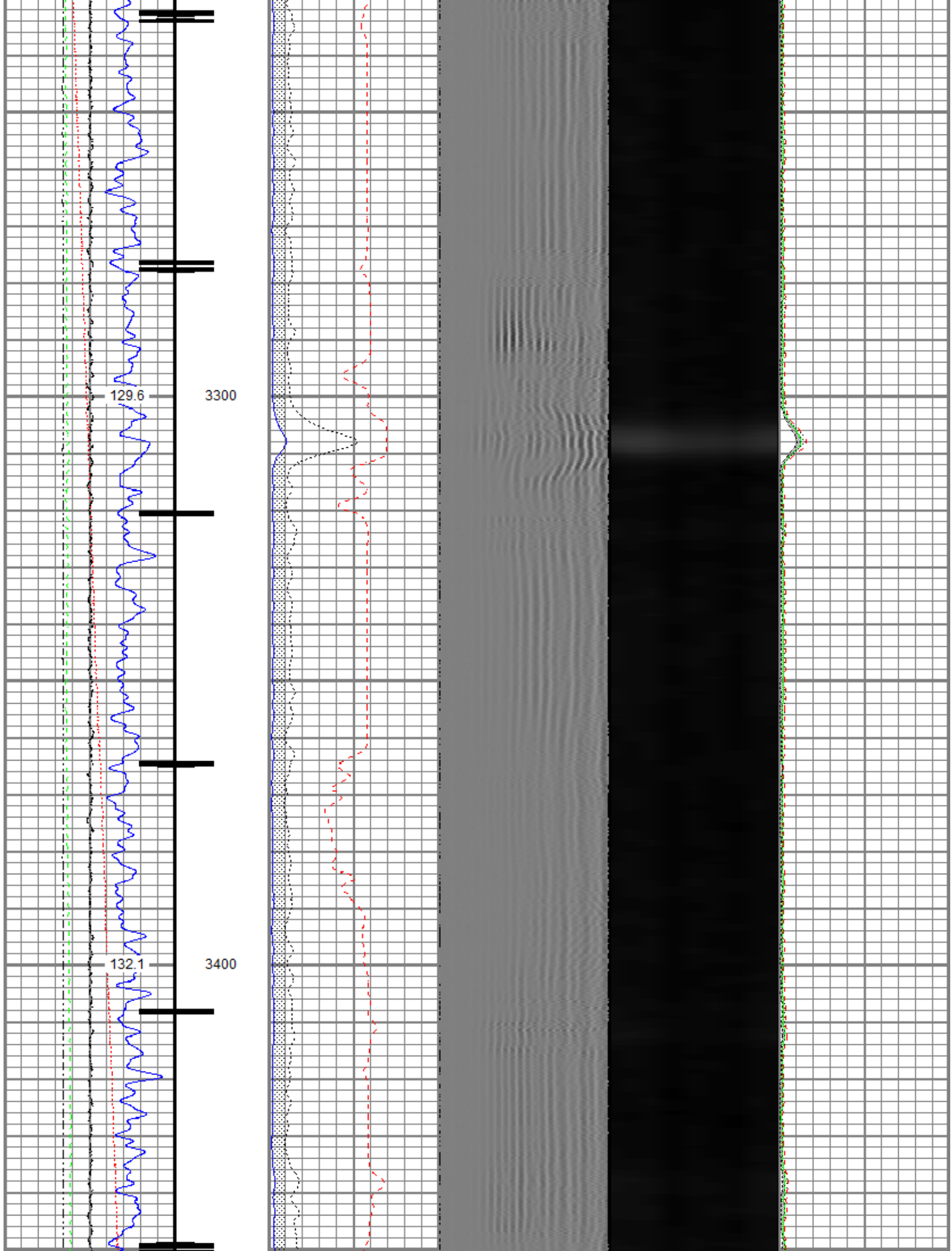


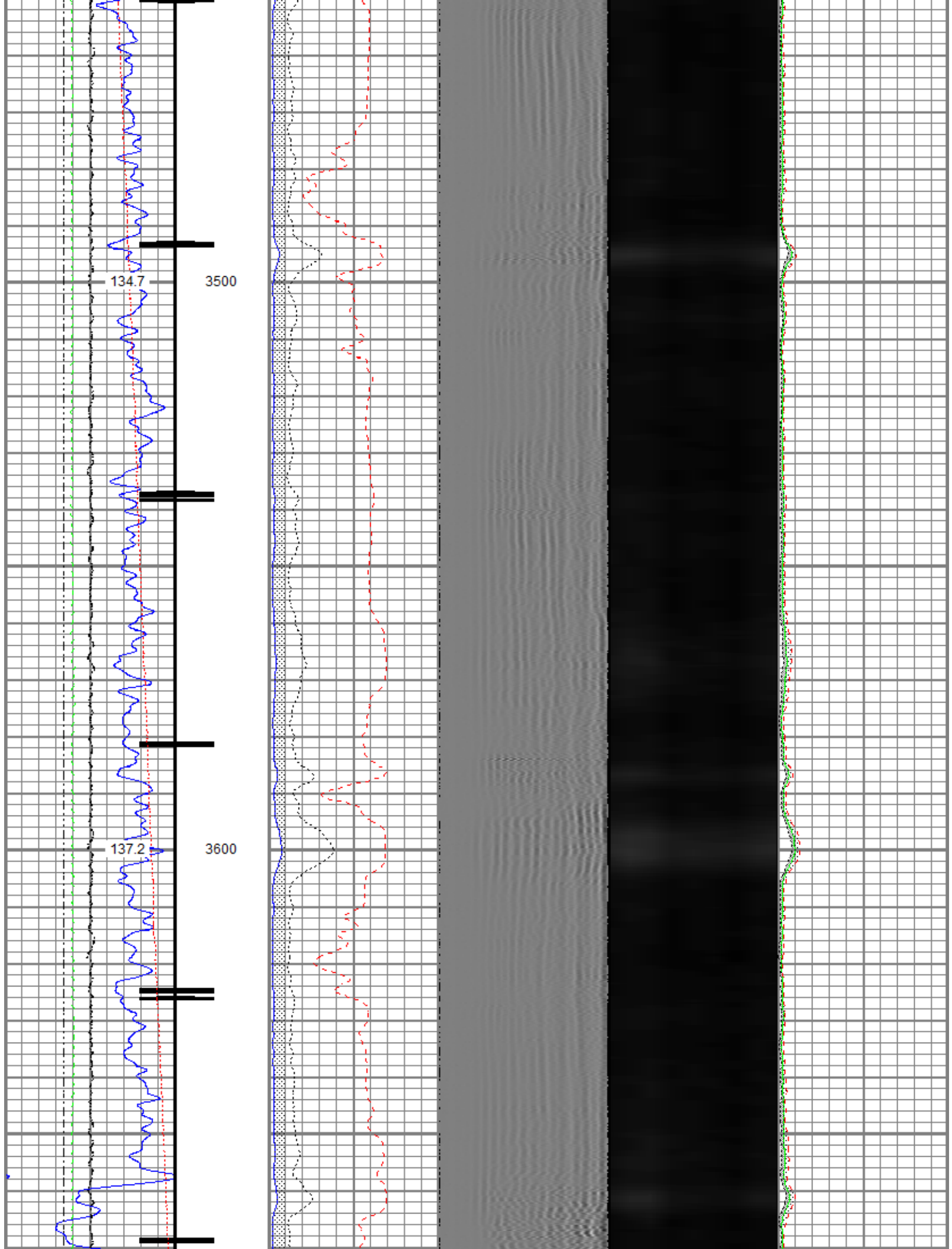


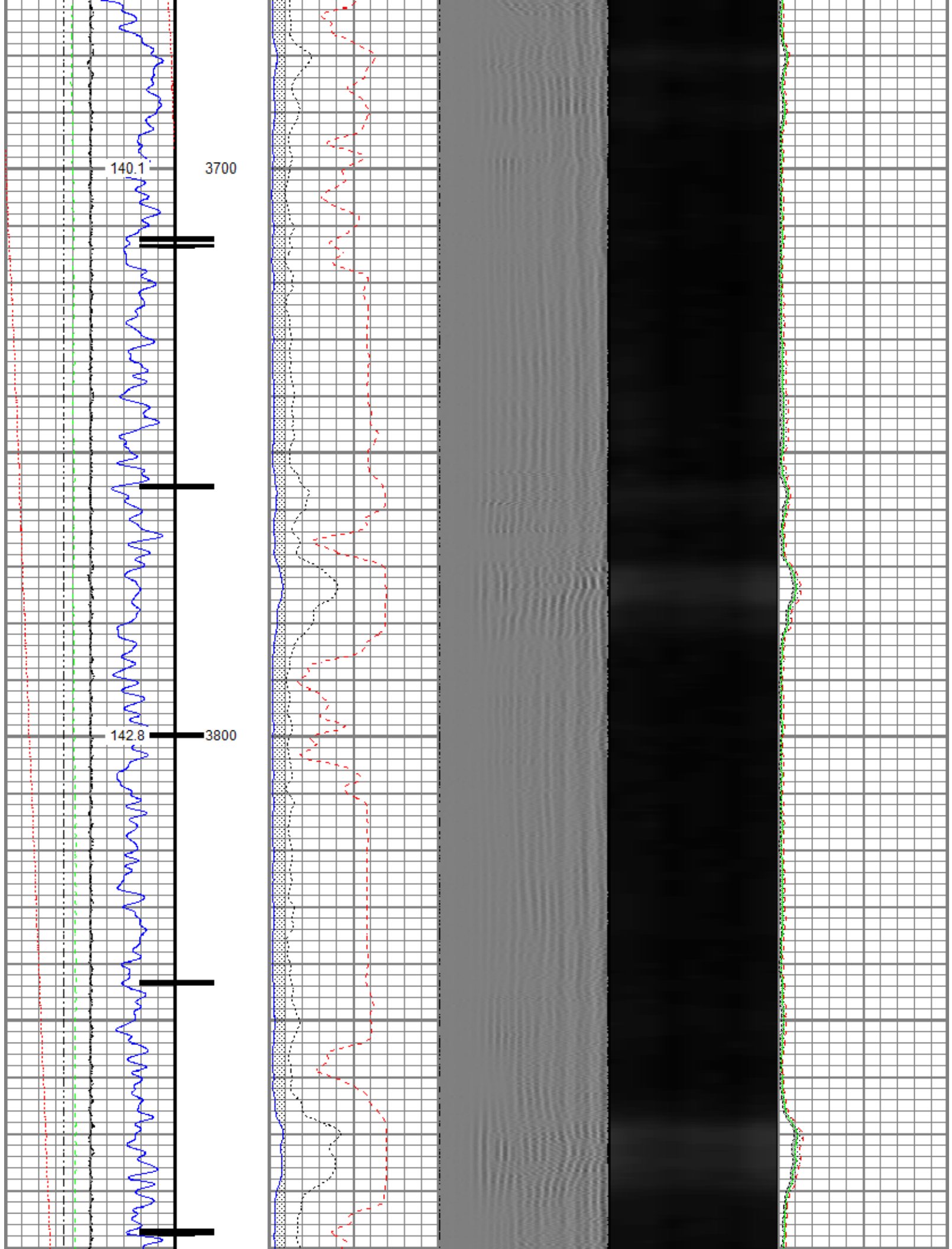


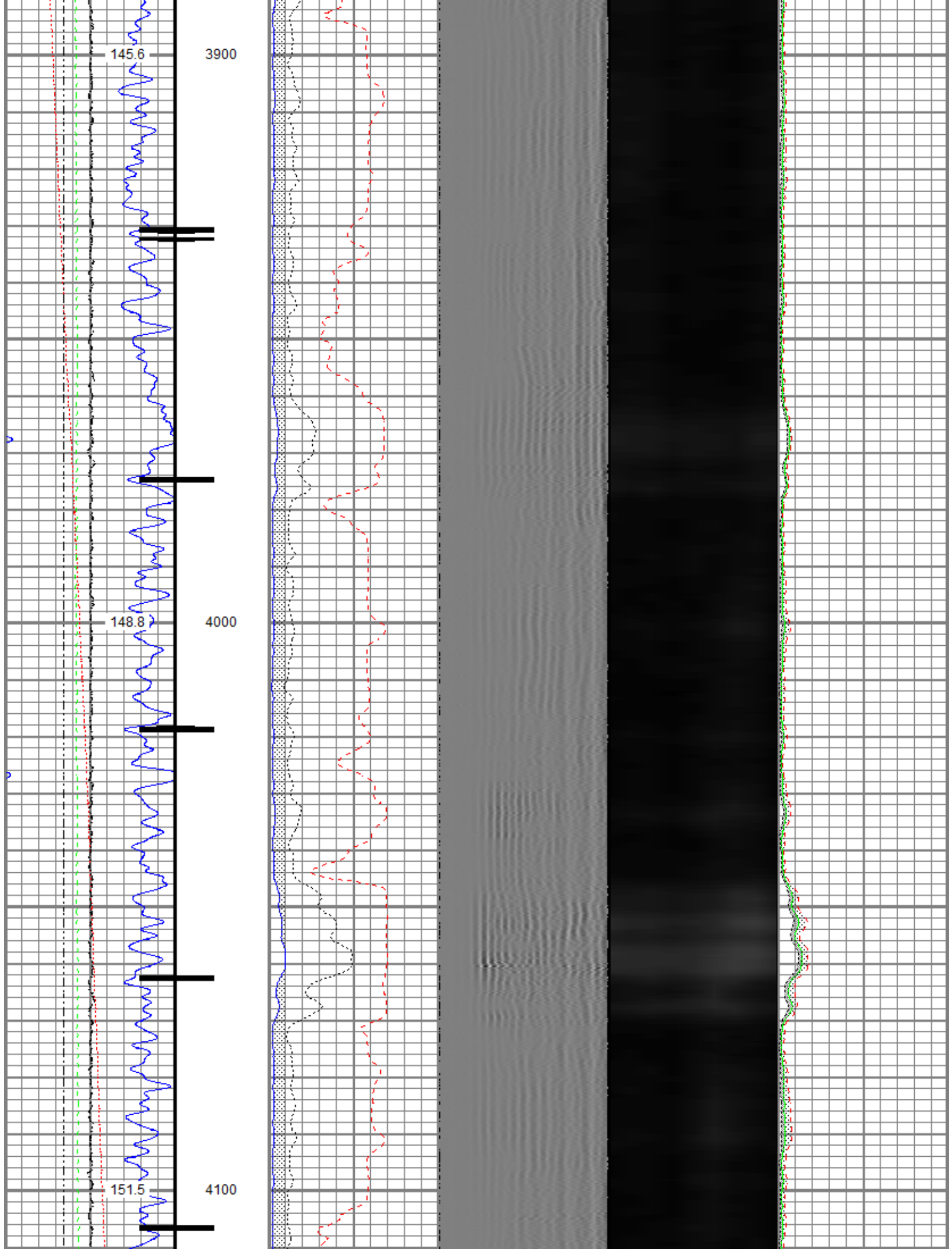


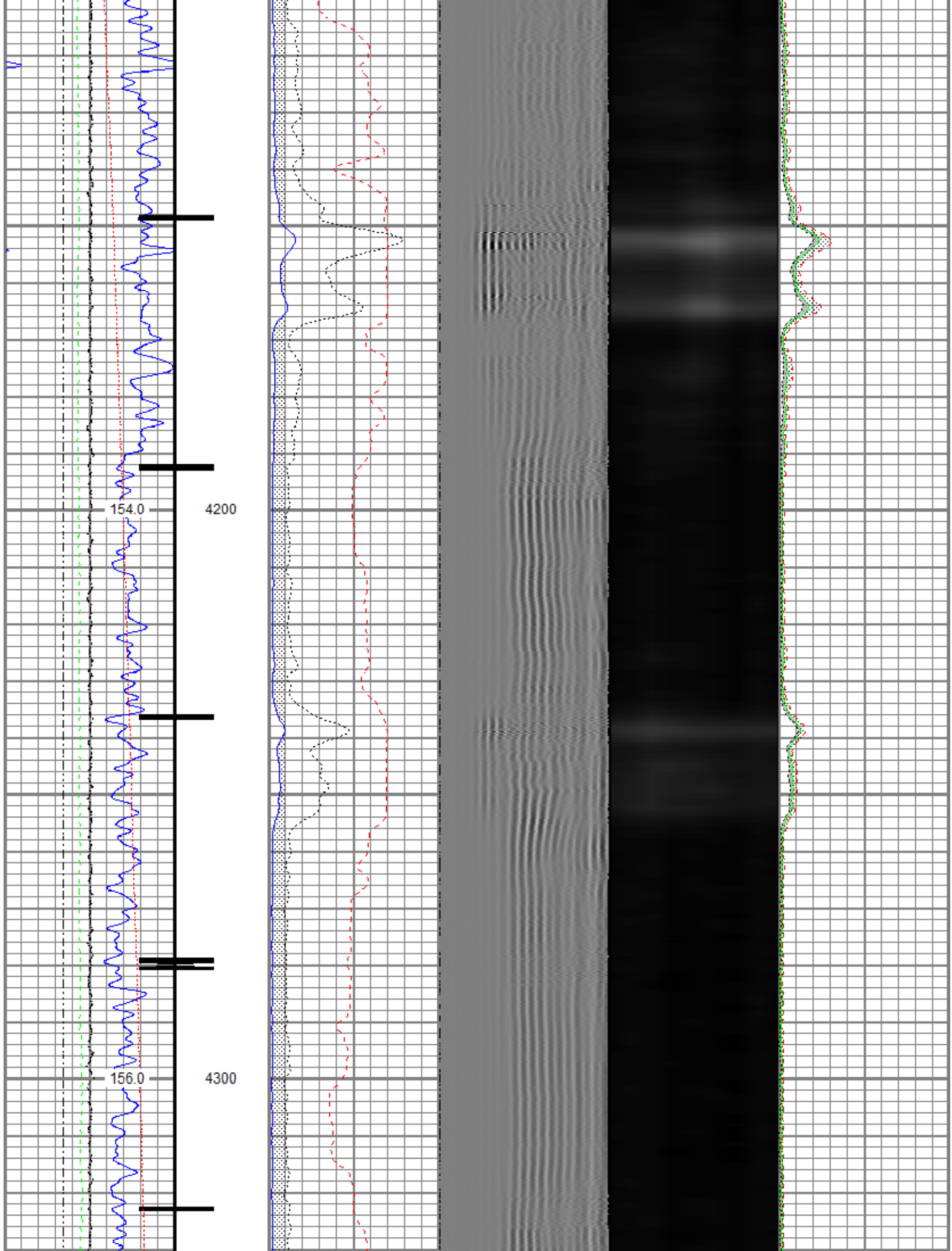


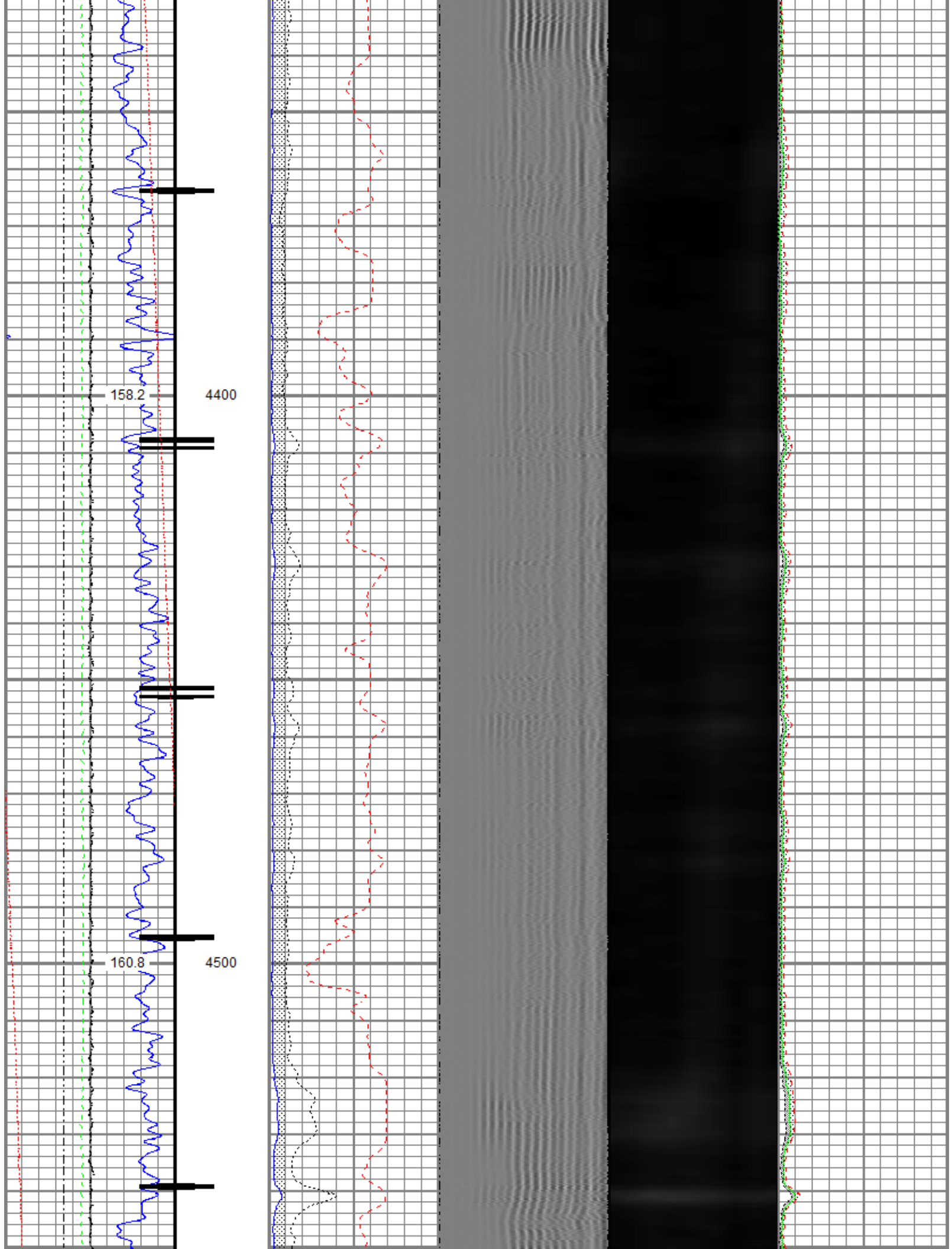


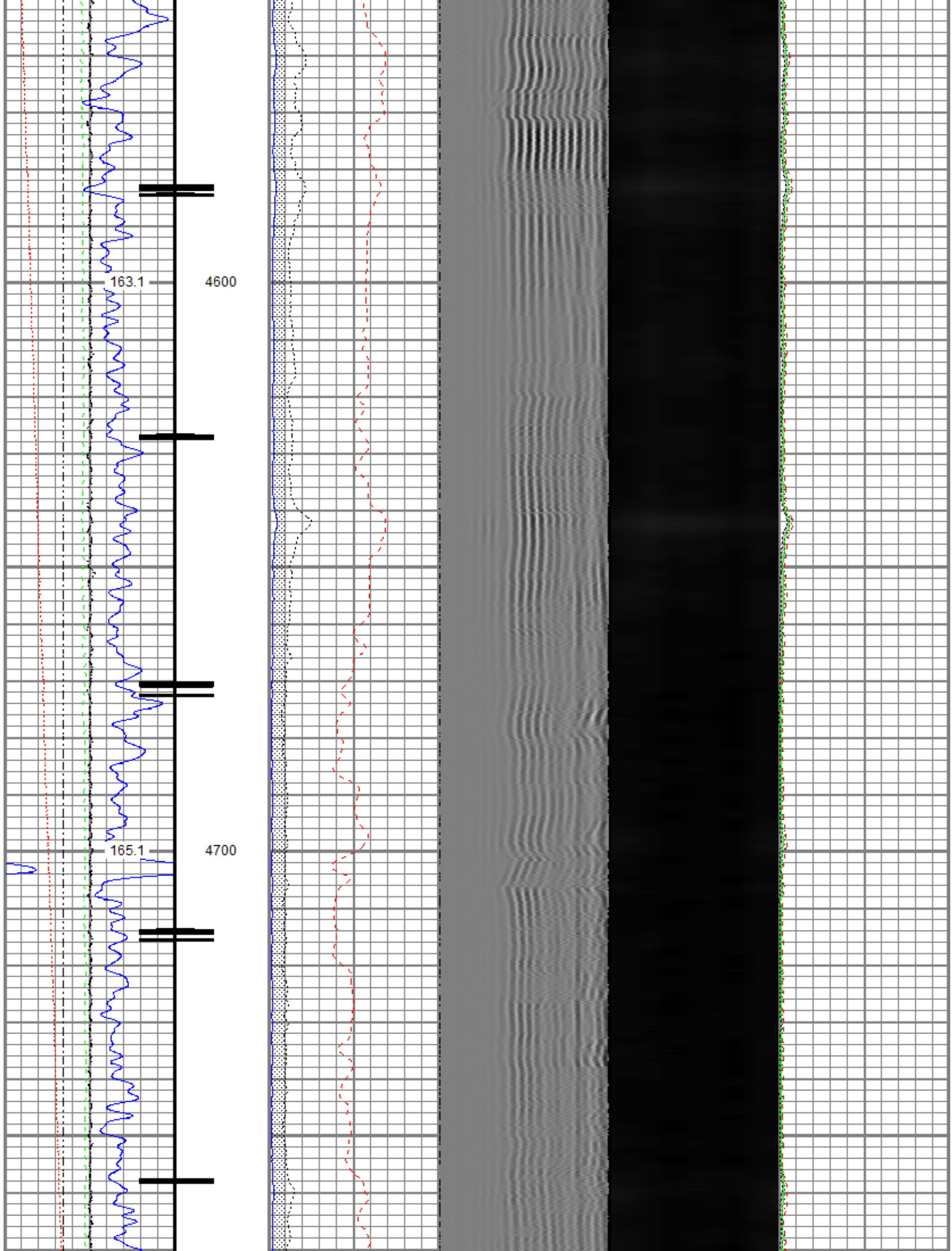


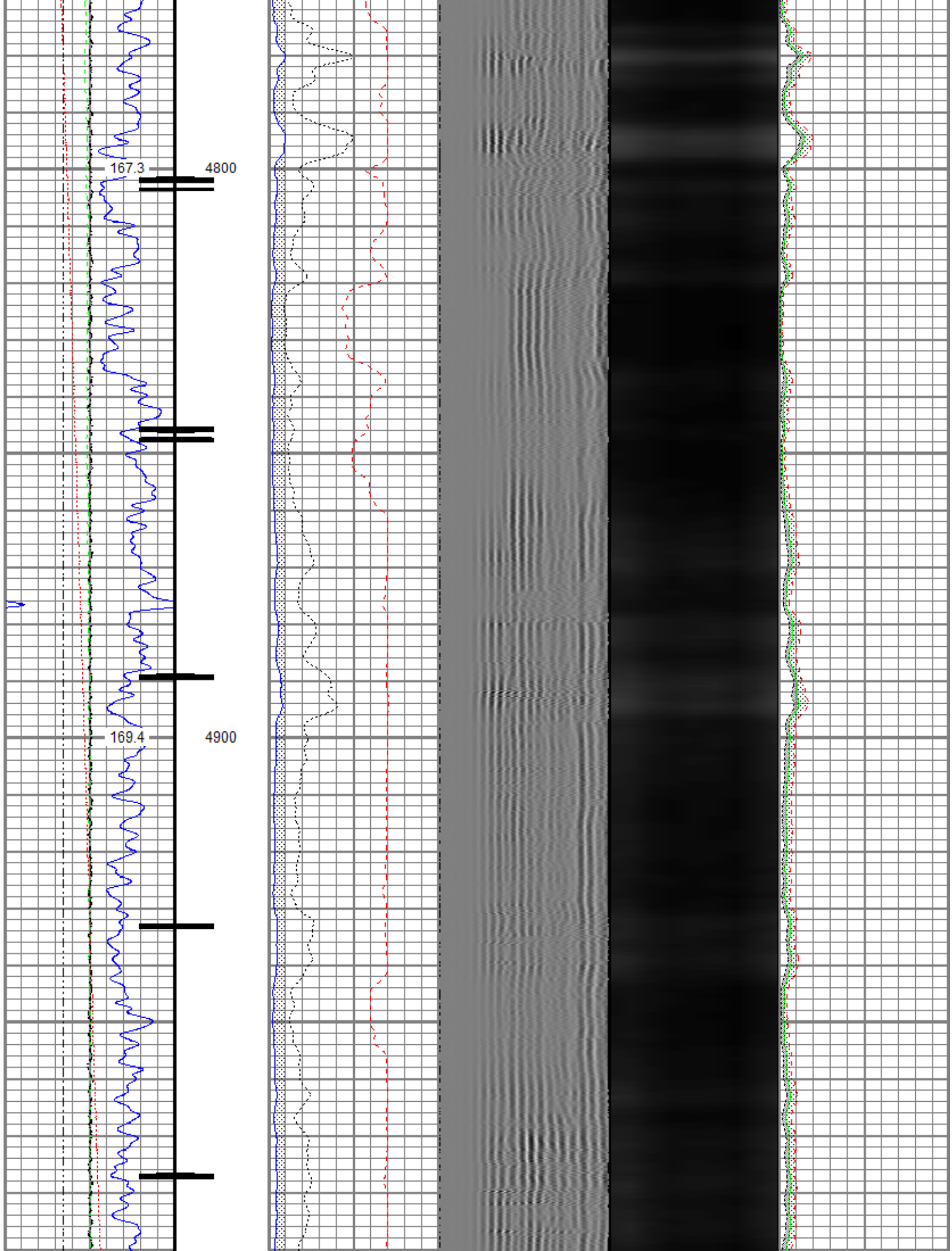


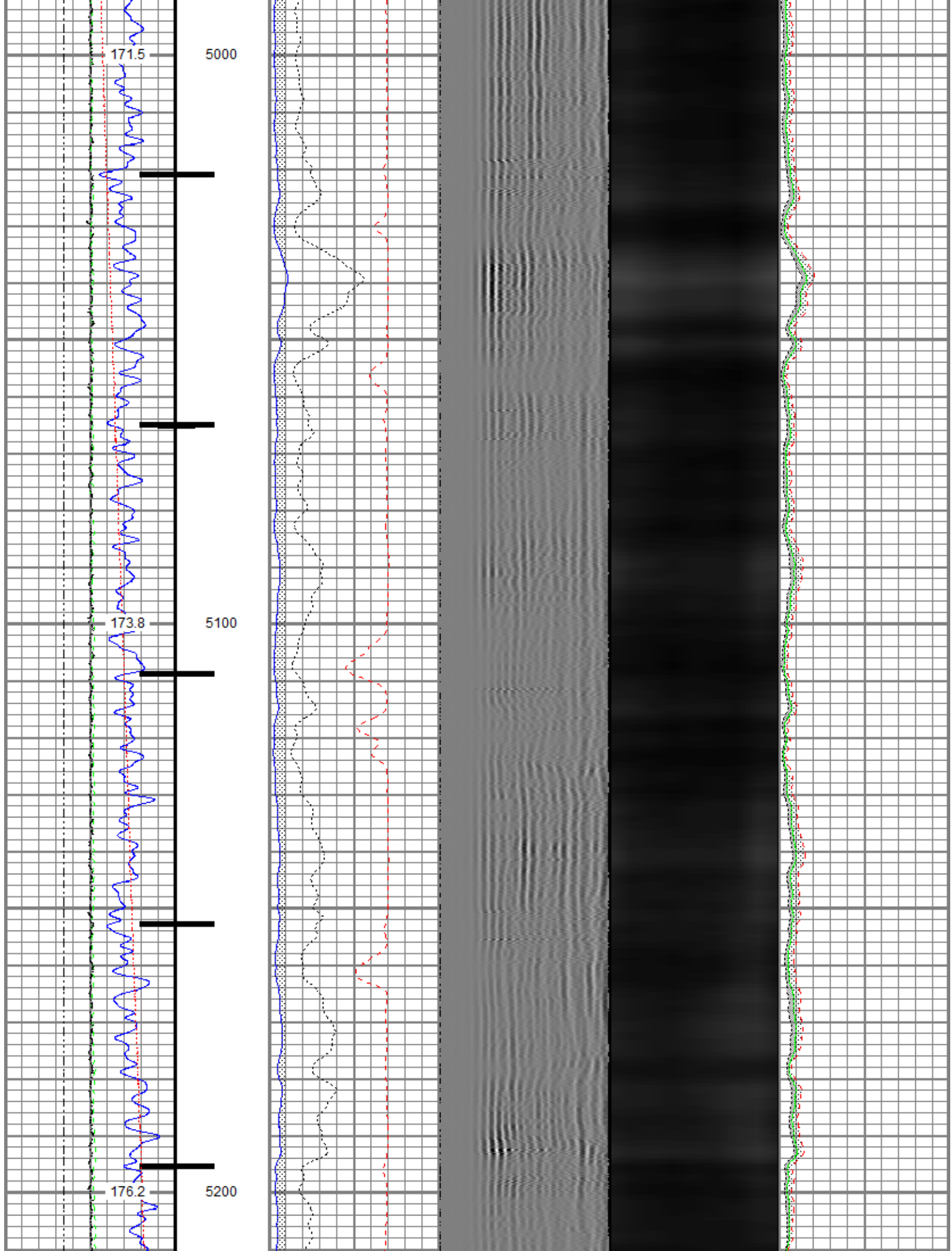


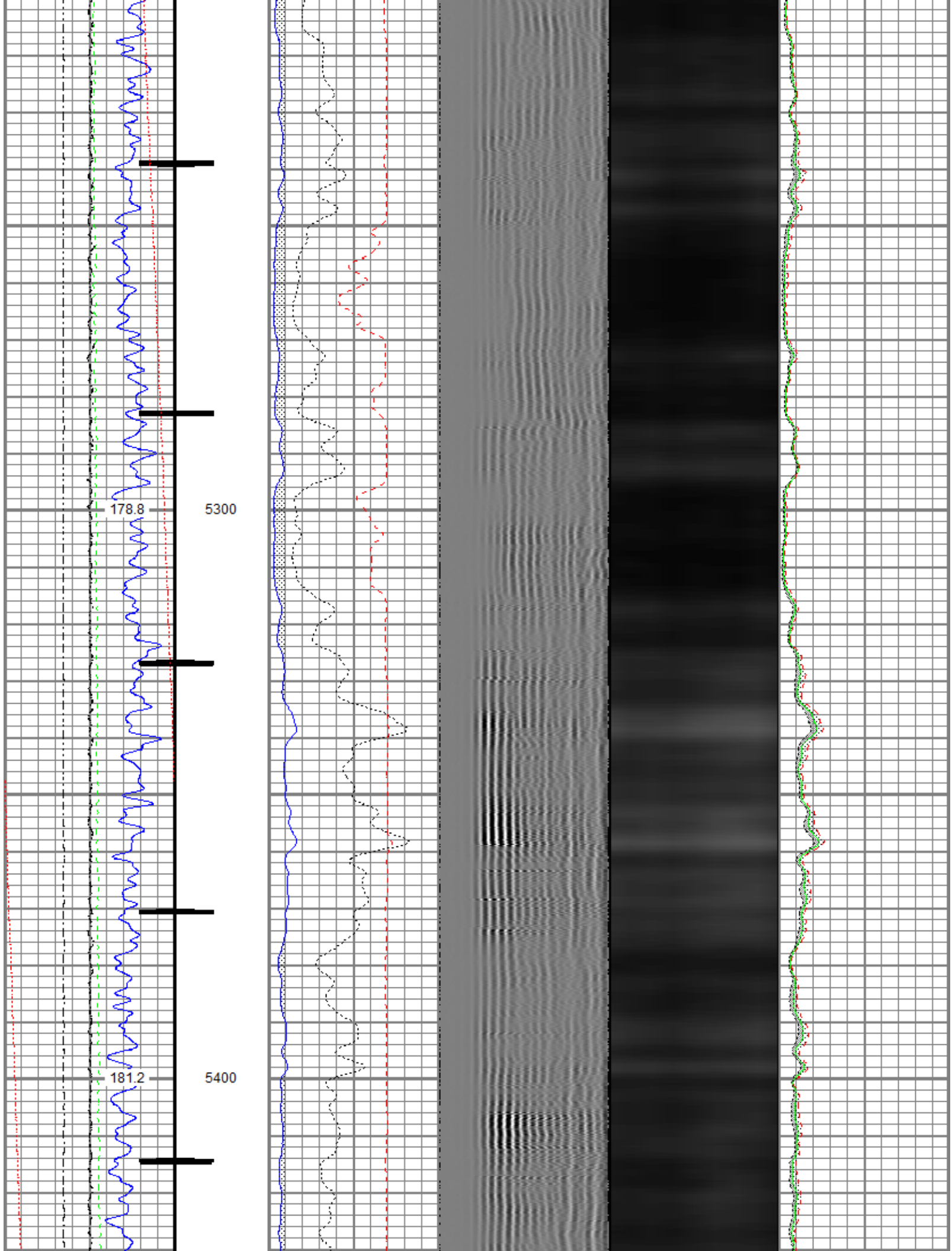


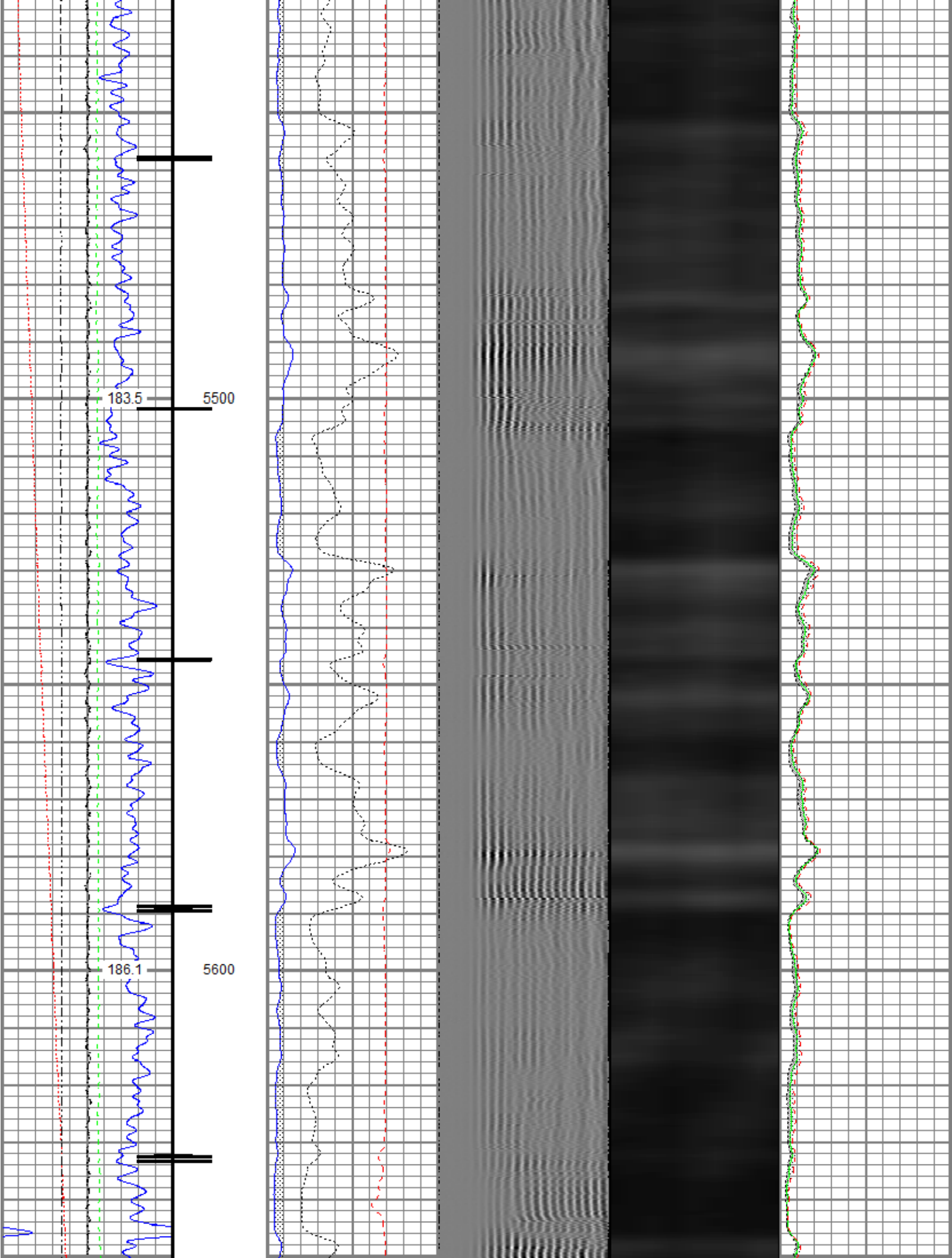


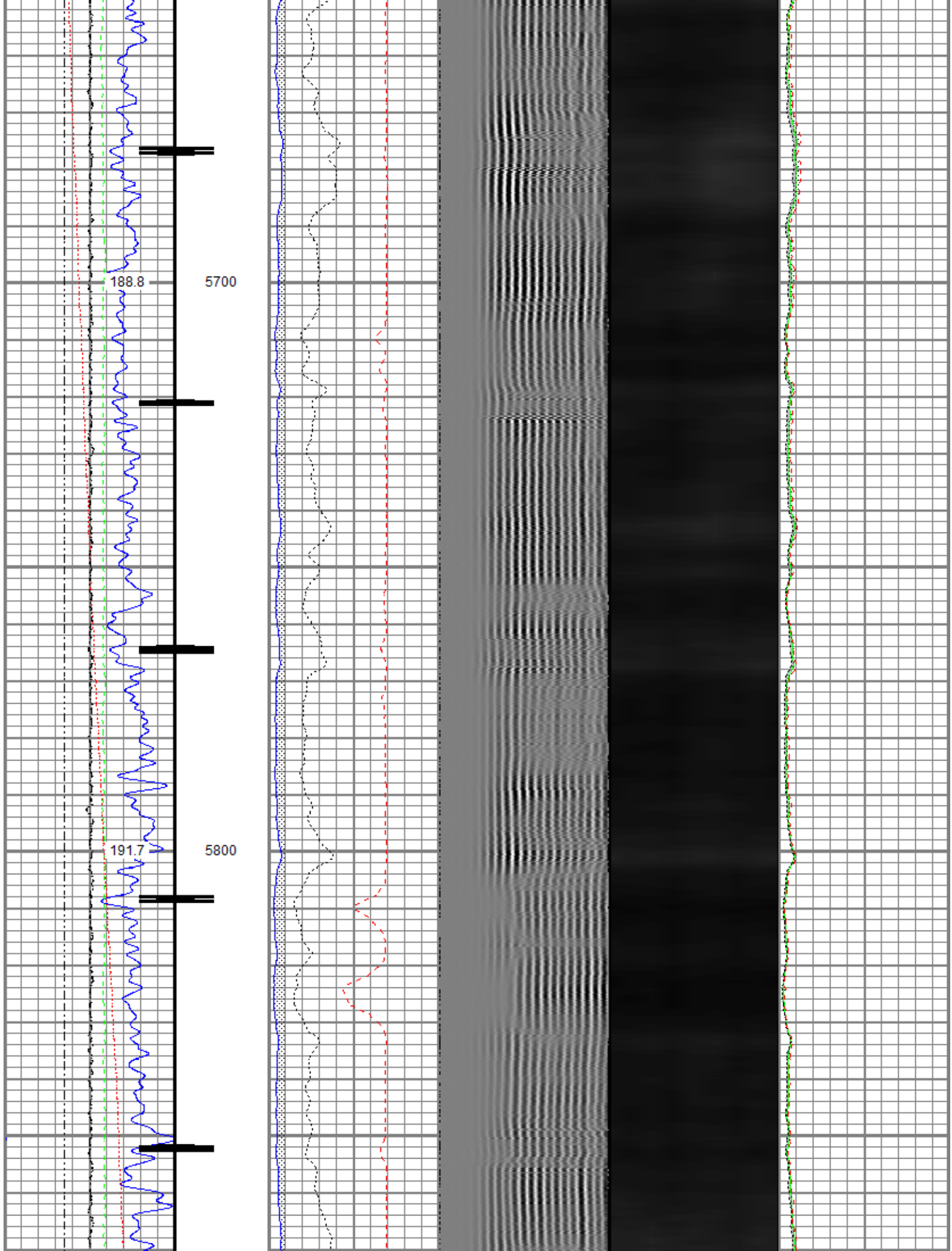


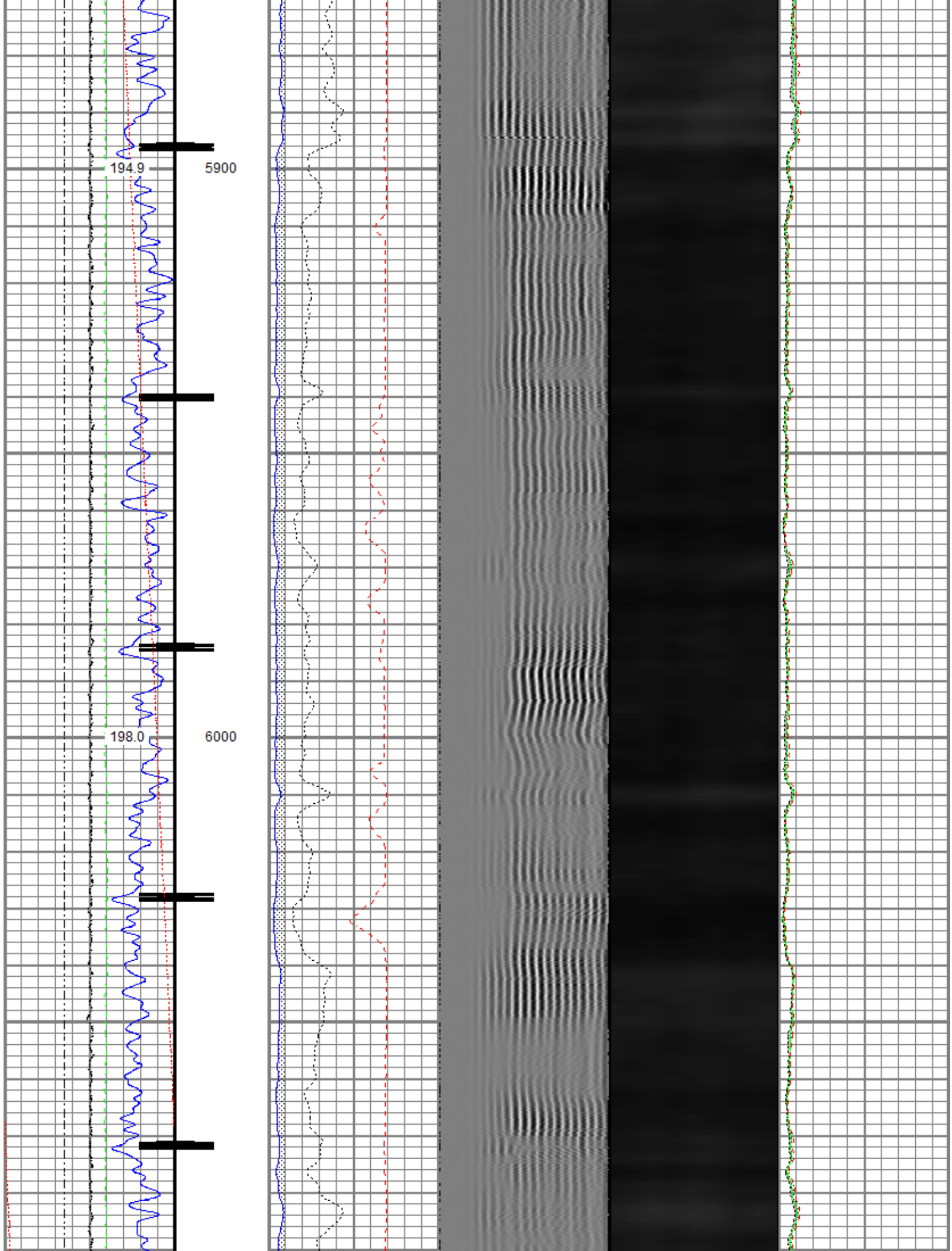


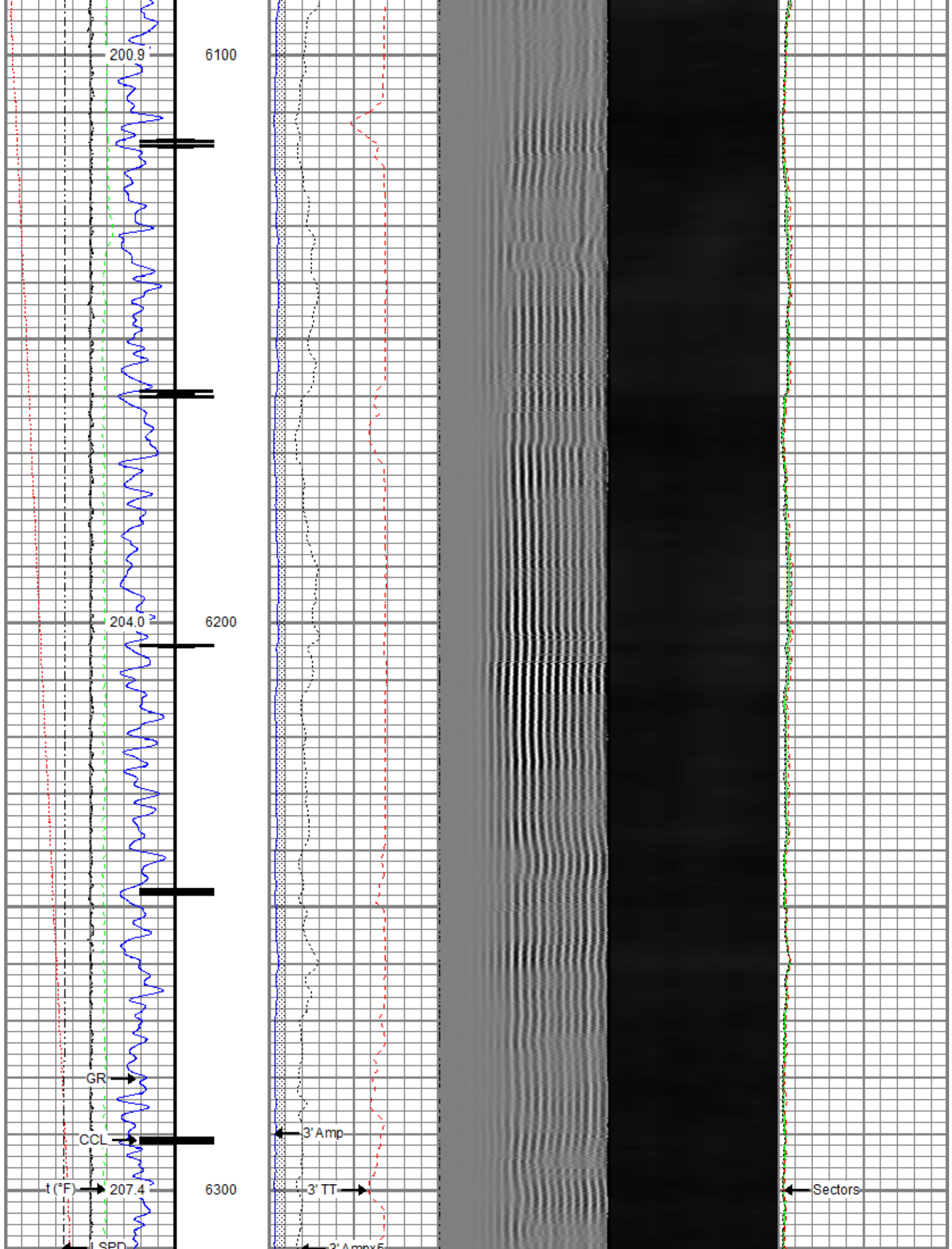


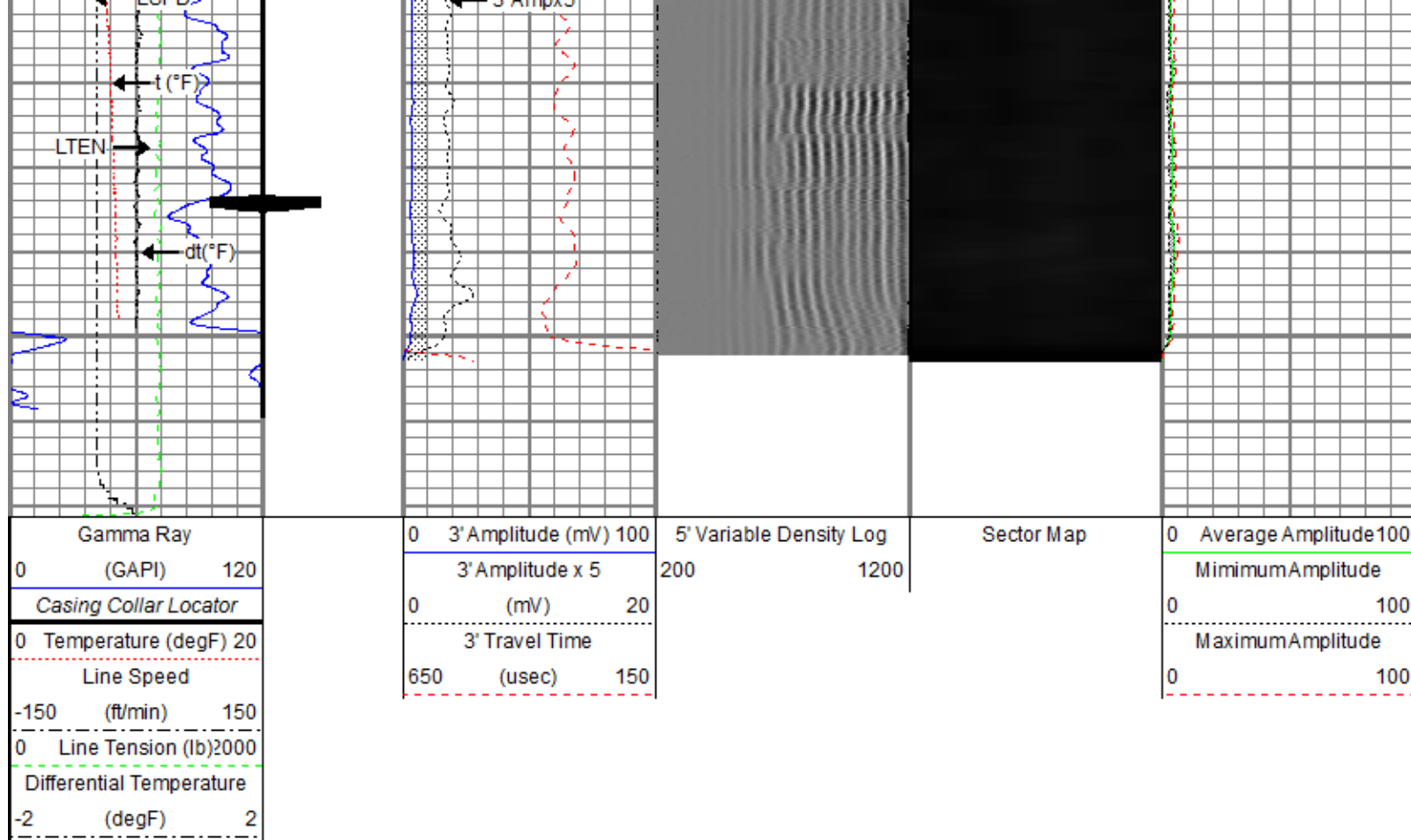








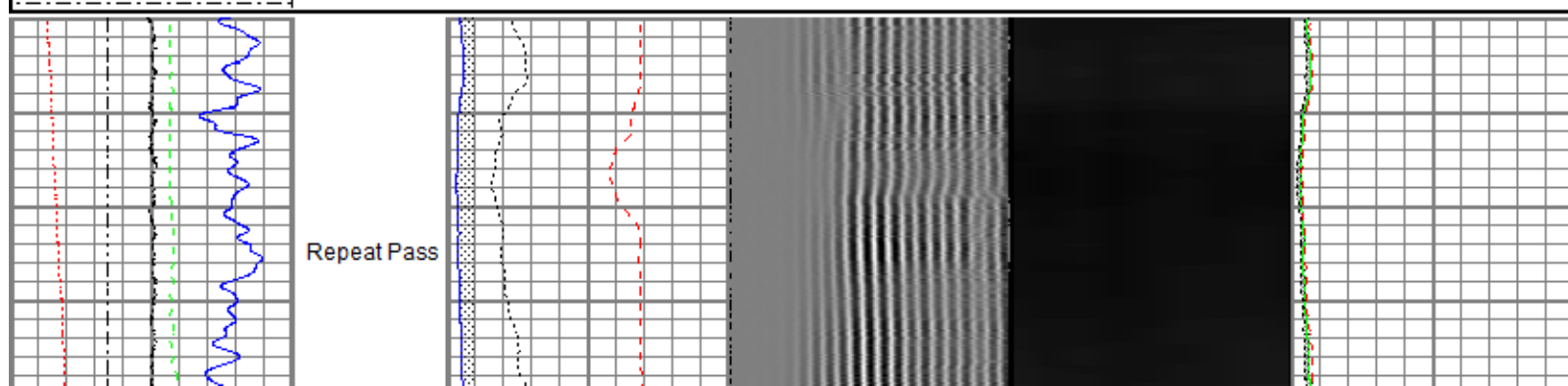
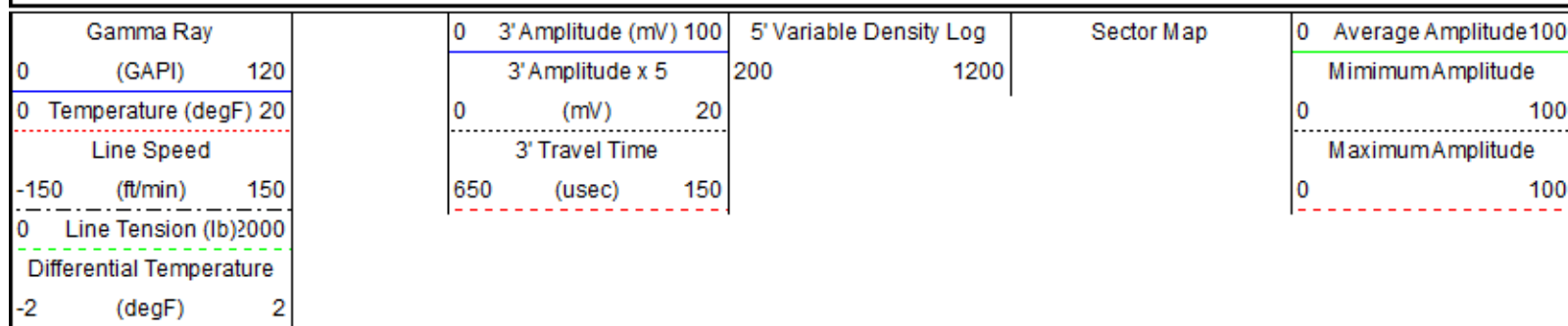


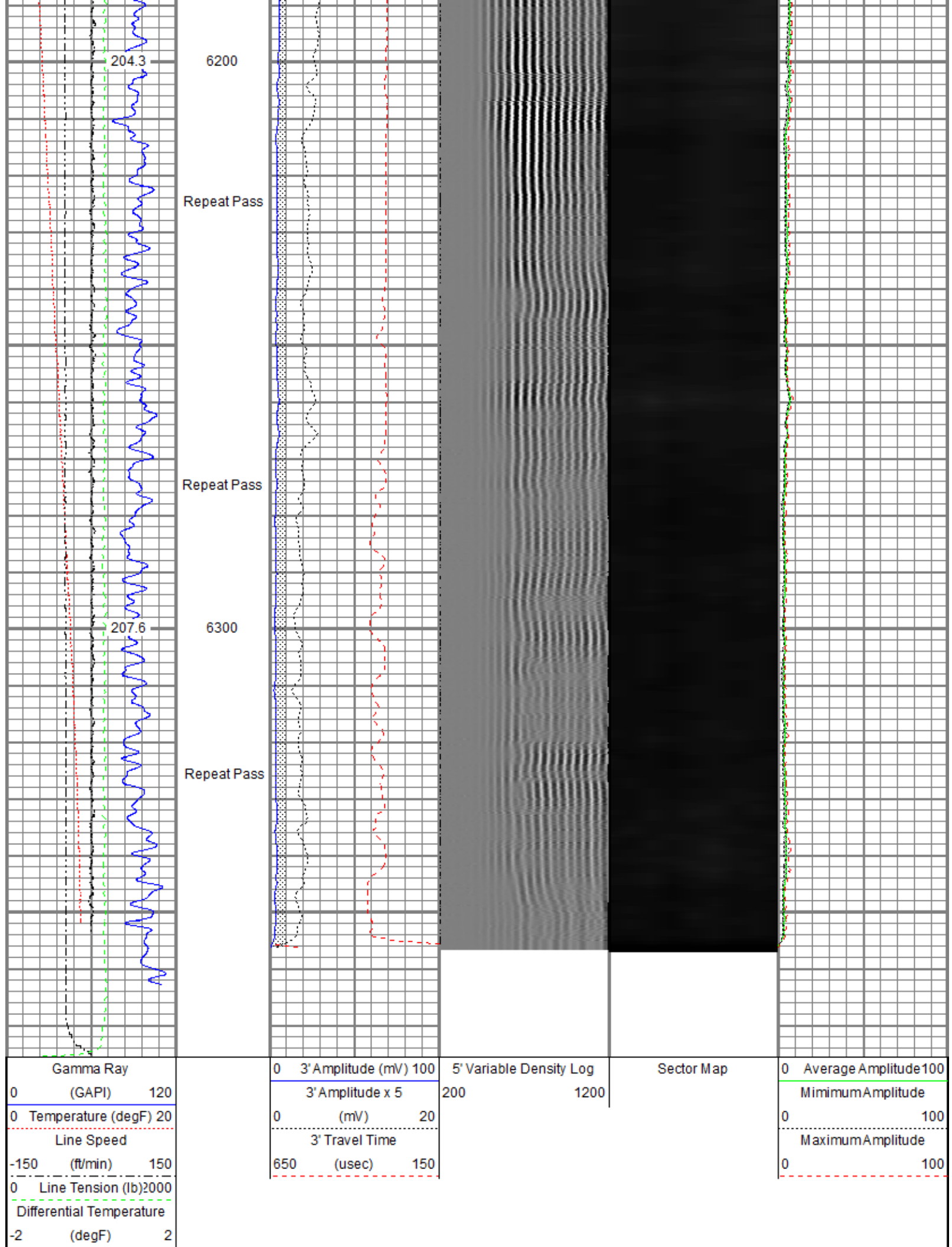


Repeat Pass

Recorded With PSI 2800 Surface Induced Pressure

Database File 0512345248_anadarko_robin 9-14hz_rbl_cnl_01-04-18\0512345248_anadarko_robin 9-14hz_rbl_01-04-18.db
 Dataset Pathname pass6
 Presentation Format ros_radrii
 Dataset Creation Fri Jan 05 08:58:17 2018
 Charted by Depth in Feet scaled 1:240





Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
TEMP	22.08		Titan CHD-16875 GO Titan 1-11/16" Assembled Electric Cable Head w/ 1" Fishing Neck	1.03	1.69	5.40
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
			Probe Radii-2750 RBT (FW1305-096) Probe 2-3/4" Radial Cement Bond Tool with Integral Temperature Sub	9.39	2.75	105.00
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
			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
			Probe CENT-2750 Probe 2-3/4" Electric Inline Bowspring Centralizer	2.88	2.75	20.00
WVFS8	19.84					
WVFS7	19.84					
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					
HEADVOLT	15.59					
CCL\$2	11.83					
CCL\$1	11.83					
GR	10.50					
CNLS	4.53					
CNSSC	4.12					

Total weight: 285.40 lb
O.D.: 2.75 in

Calibration Report

Database File C:\ProgramData\Warrior\Data\0512345248_Anadarko_Robin 9-14HZ_RBL_CNL_01-04-18\0512345248_Anadarko_Robin 9-14
Dataset Pathname pass9
Dataset Creation Fri Jan 05 09:17:22 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
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PRE-SURVEY VERIFICATION

SS Detector	LS Detector	Ratio	Porosity
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POST-SURVEY VERIFICATION

SS Detector	LS Detector	Ratio	Porosity
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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: FW1305-096
Tool Model: 2750 RBT

Calibration Casing Diameter: 5.500 in
Calibration Depth: 28.352 ft

Master Calibration, performed Thu Jan 04 06:51:41 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.518	0.800	71.921	138.256	0.273
CAL	0.004	0.549				
5'	0.004	0.502	0.800	71.921	142.786	0.244
SUM						
S1	0.004	0.511	0.800	100.000	197.084	0.748

S1	0.004	0.511	0.000	100.000	197.004	-0.748
S2	0.004	0.511	0.000	100.000	196.985	-0.743
S3	0.004	0.512	0.000	100.000	196.739	-0.732
S4	0.004	0.512	0.000	100.000	196.753	-0.773
S5	0.004	0.517	0.000	100.000	194.737	-0.756
S6	0.004	0.521	0.000	100.000	193.267	-0.731
S7	0.004	0.524	0.000	100.000	192.111	-0.727
S8	0.004	0.524	0.000	100.000	192.418	-0.738

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.549	1.000	0.000

Air Zero Calibration, performed Thu Jan 04 06:50:35 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: FW1305-096
Tool Model: 2750 RBT
Performed: Sun Nov 12 13:42:10 2017

	Reference	Reading
Low Reference:	100.00 degF	109.43 degF
High Reference:	350.00 degF	405.87 degF

Gain: 0.84
Offset: 7.72
Delta Spacing: 1



Company Kerr-McGee Oil & Gas Onshore, L.P.
Well Robin 9-14HZ
Field Wattenberg
County Weld
State Colorado