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Comments

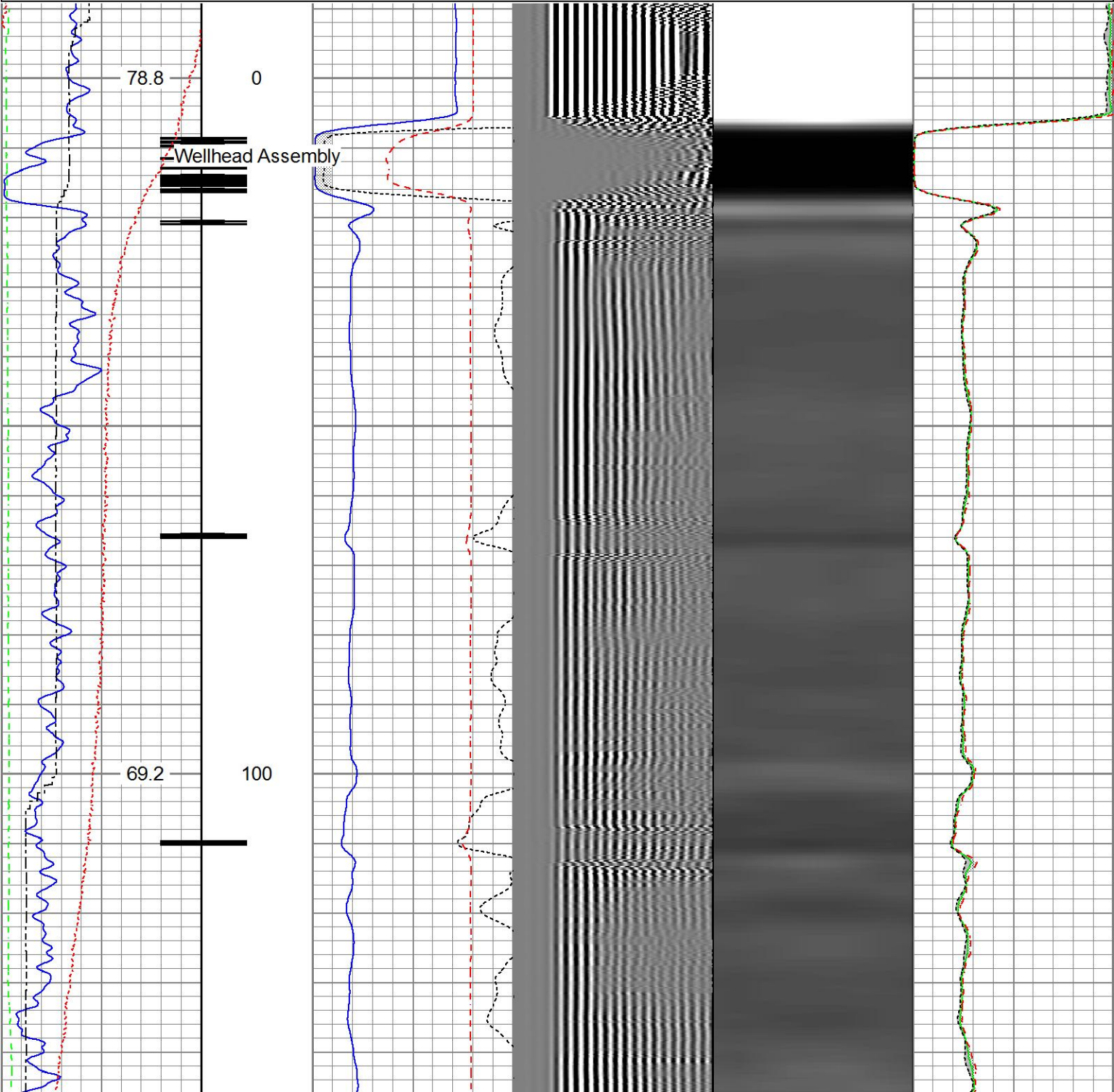


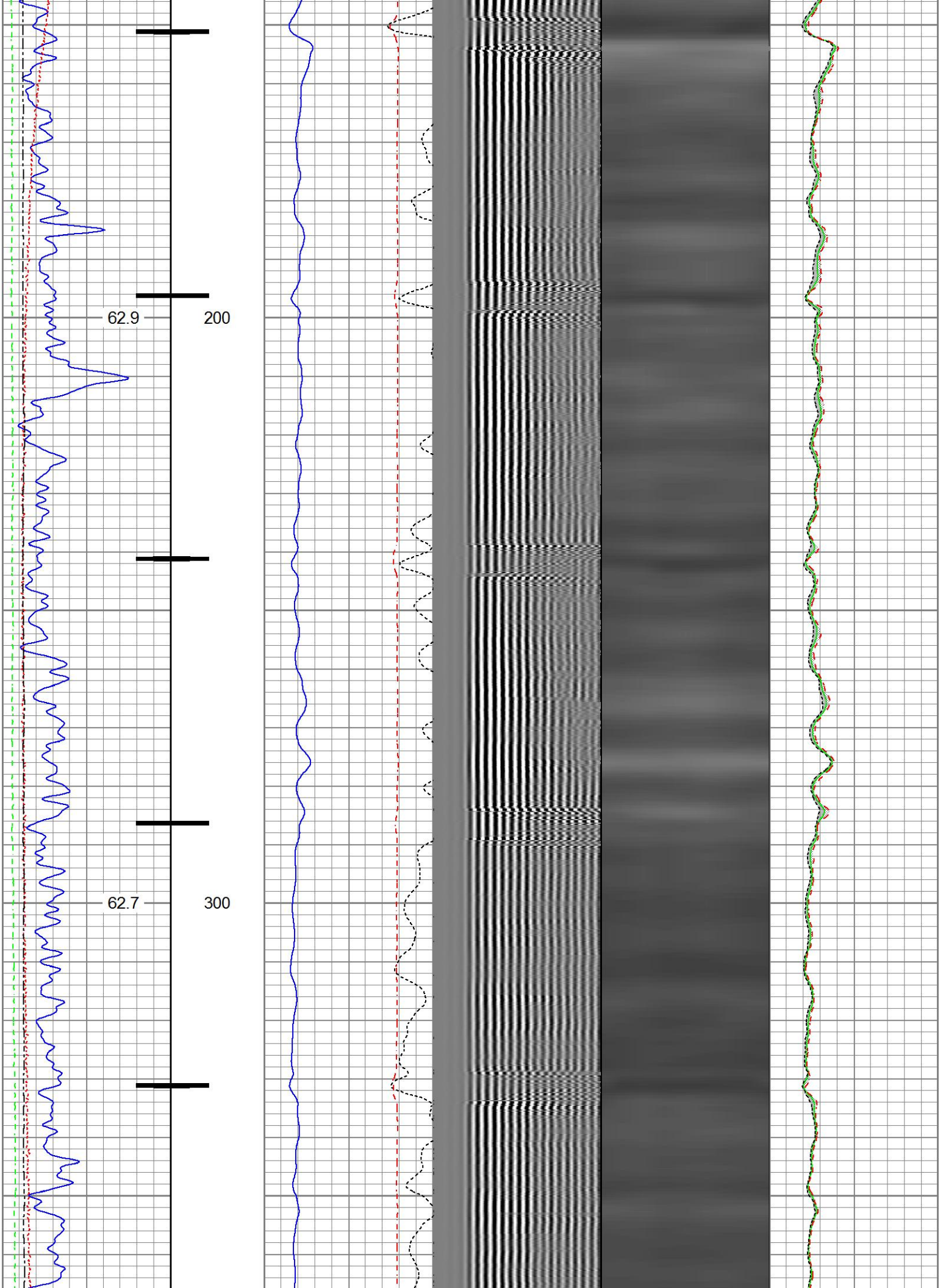
RELIANCE
OILFIELD SERVICES

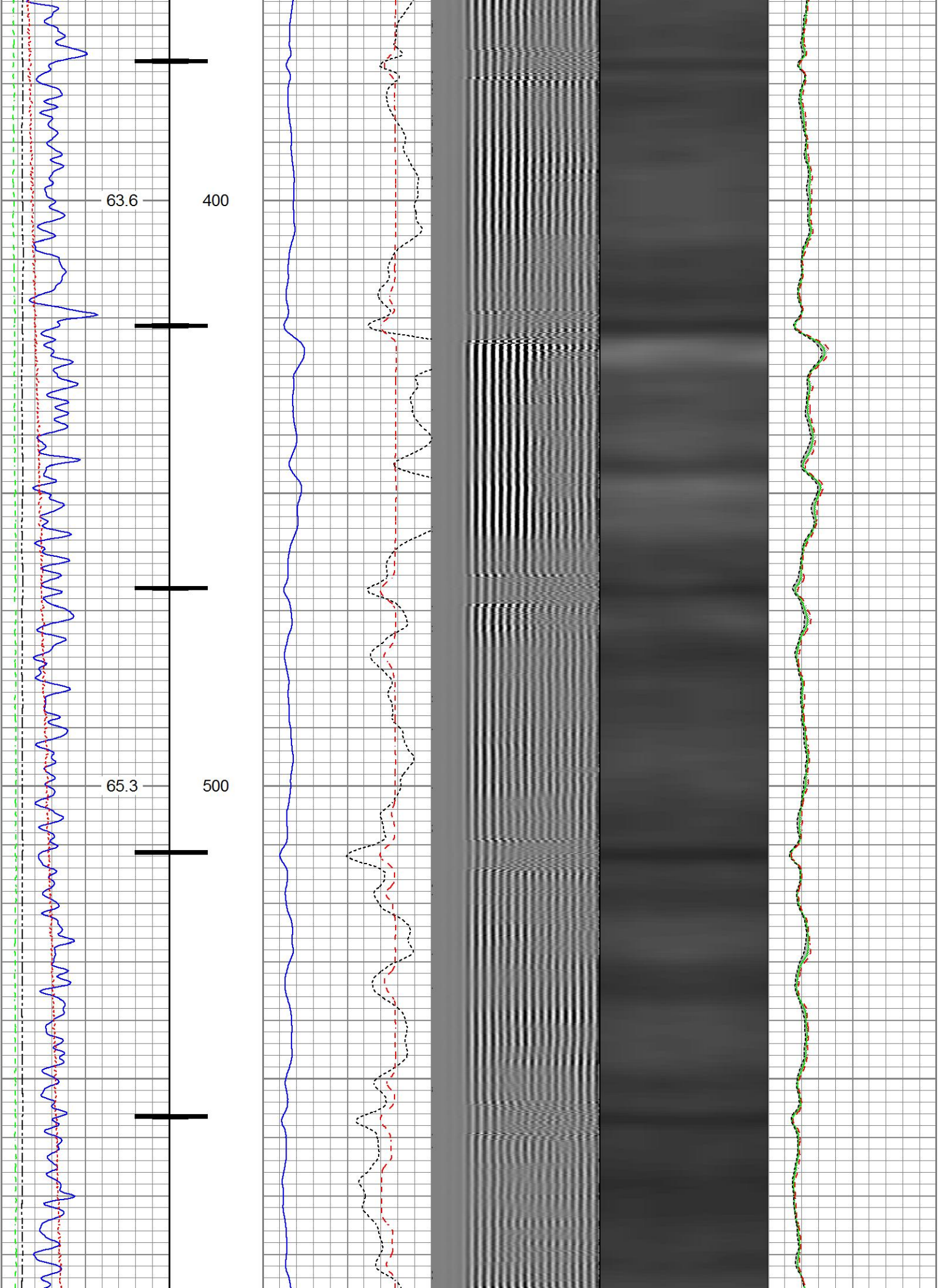
Recorded With 2800 PSI Surface Induced Pressure

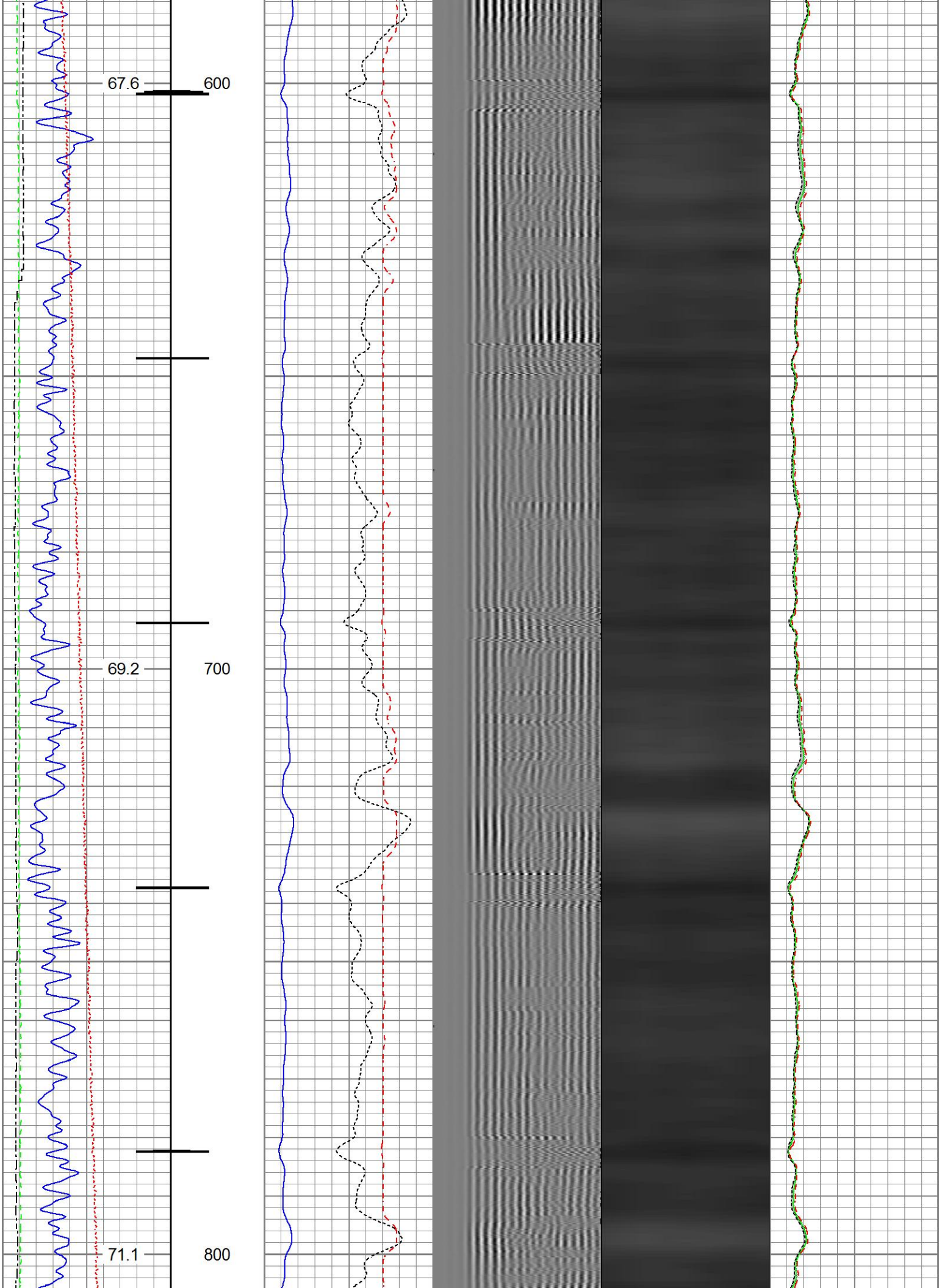
Database File	anadarko_chica 4n2_23hz\anadarko_chica_4n2_23hz_13jun2017_rbl_w8.db
Dataset Pathname	pass4
Presentation Format	ros_radri
Dataset Creation	Tue Jun 13 11:29:29 2017
Charted by	Depth in Feet scaled 1:240

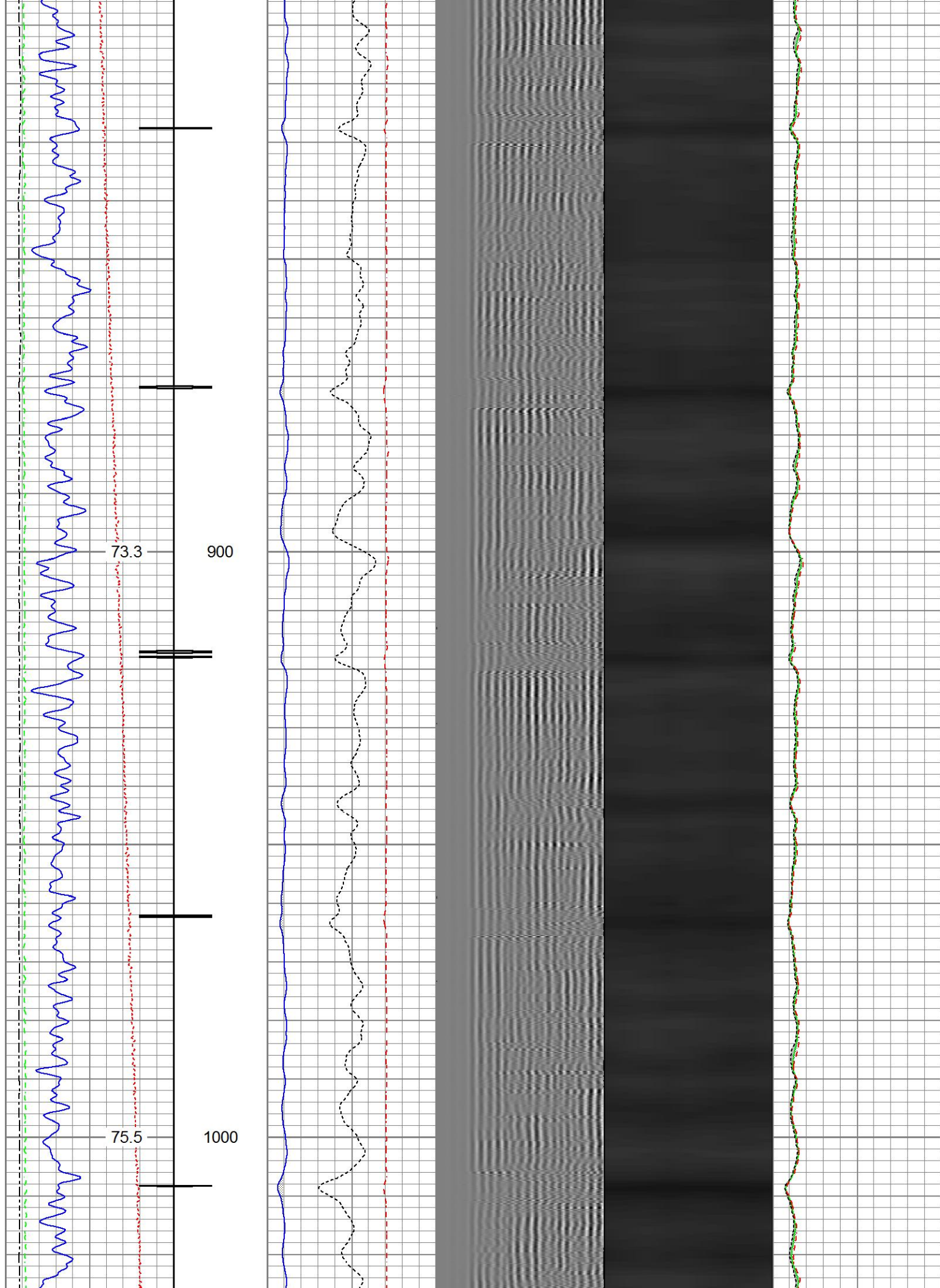
Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120		0 (mV) 100	200 1200		0 100
Casing Collar Locator		3' Amplitude x 5			Minimum Amplitude
Temperature		0 (mV) 20			0 100
0 (degF) 20		3' Travel Time			Maximum Amplitude
Line Speed		650 (usec) 150			0 100
-150 (ft/min)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

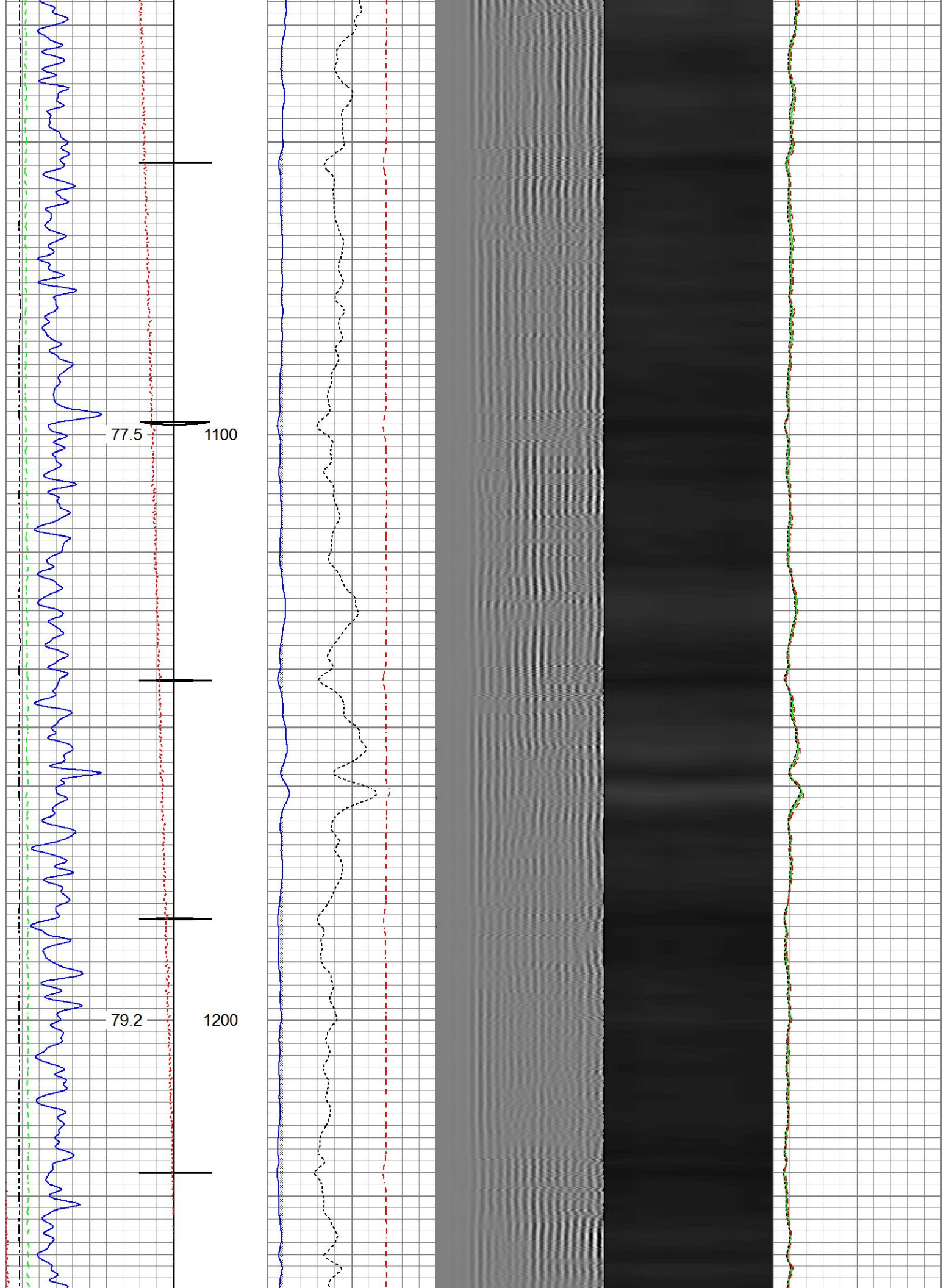


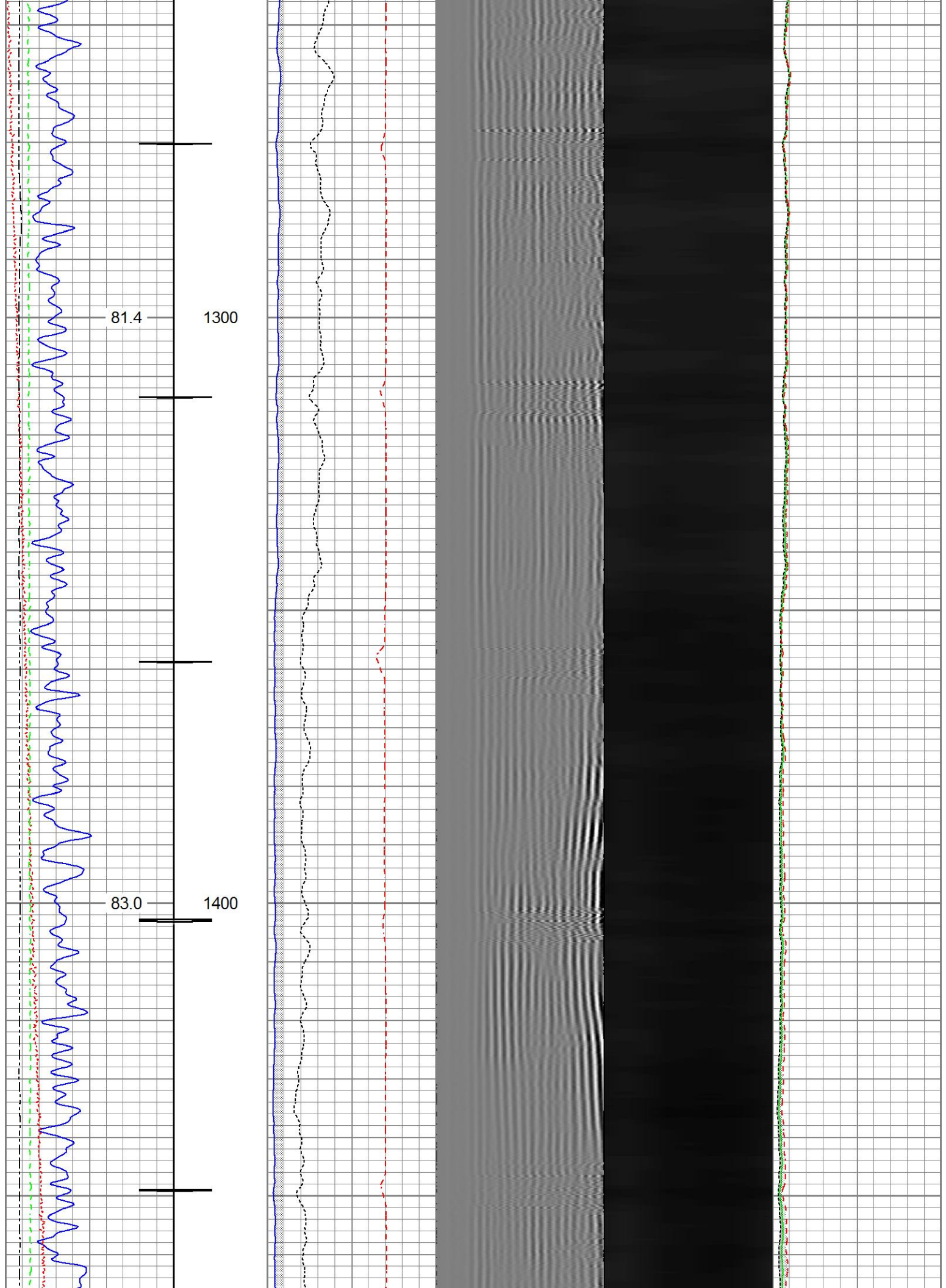


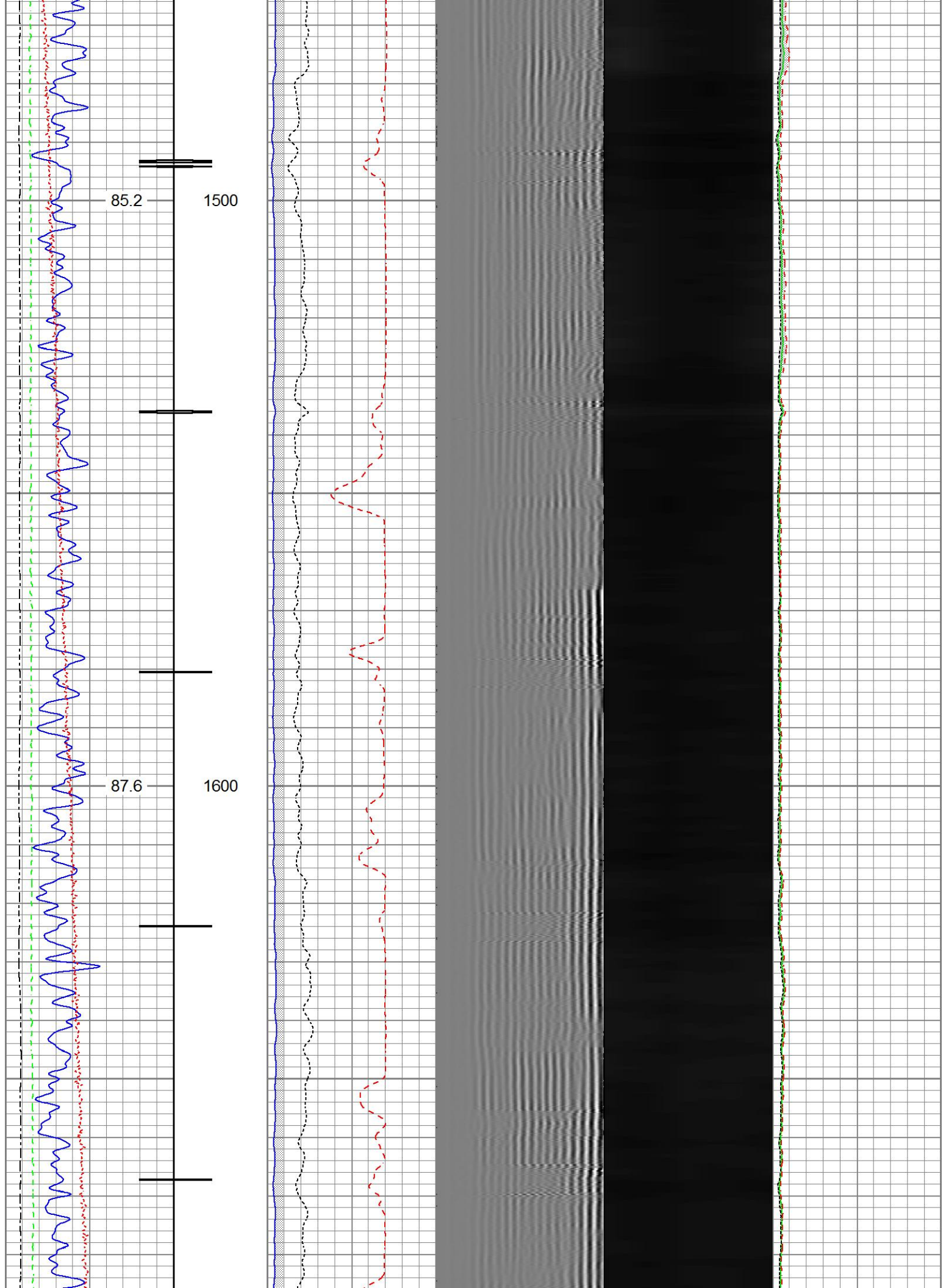


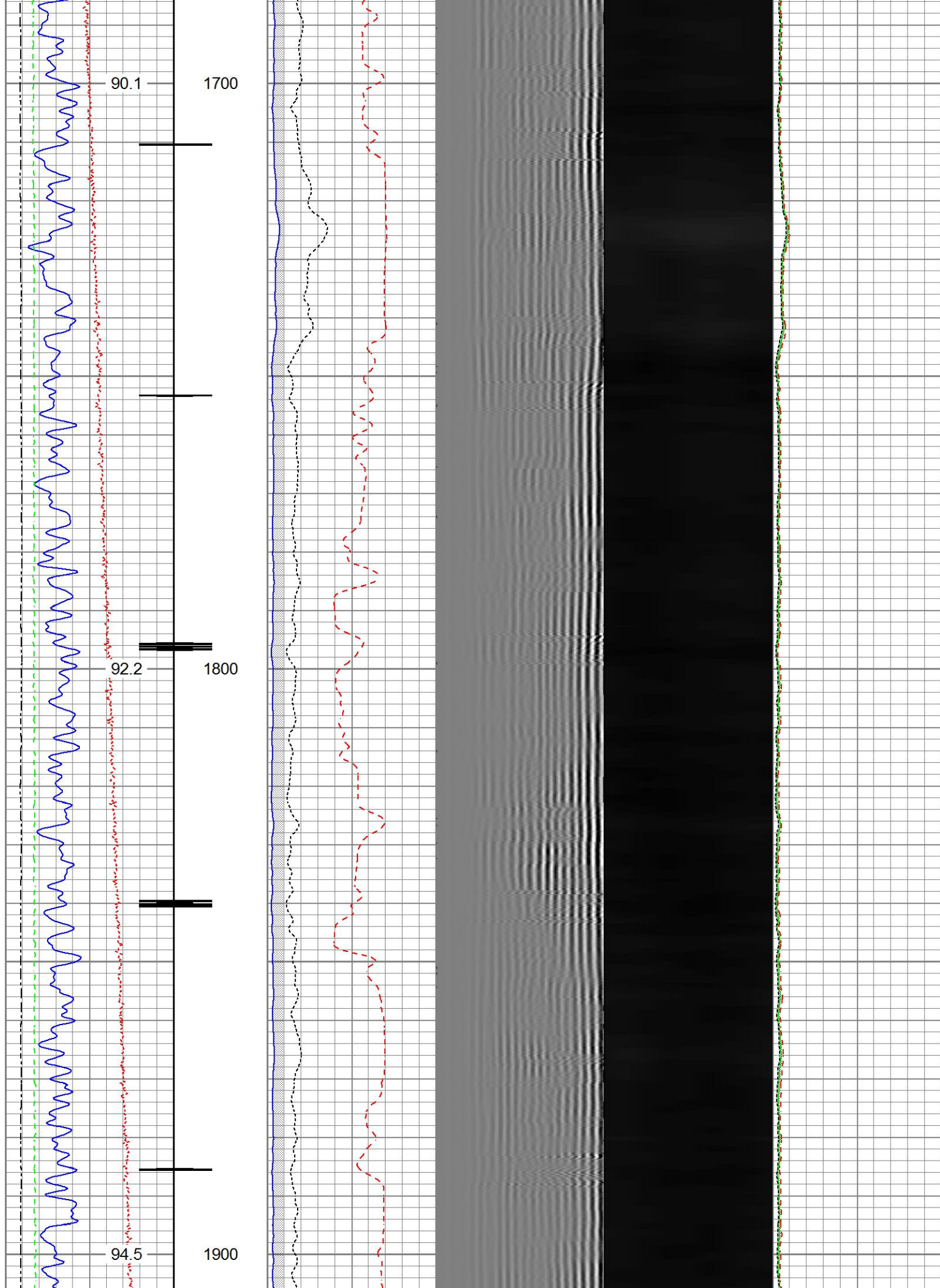


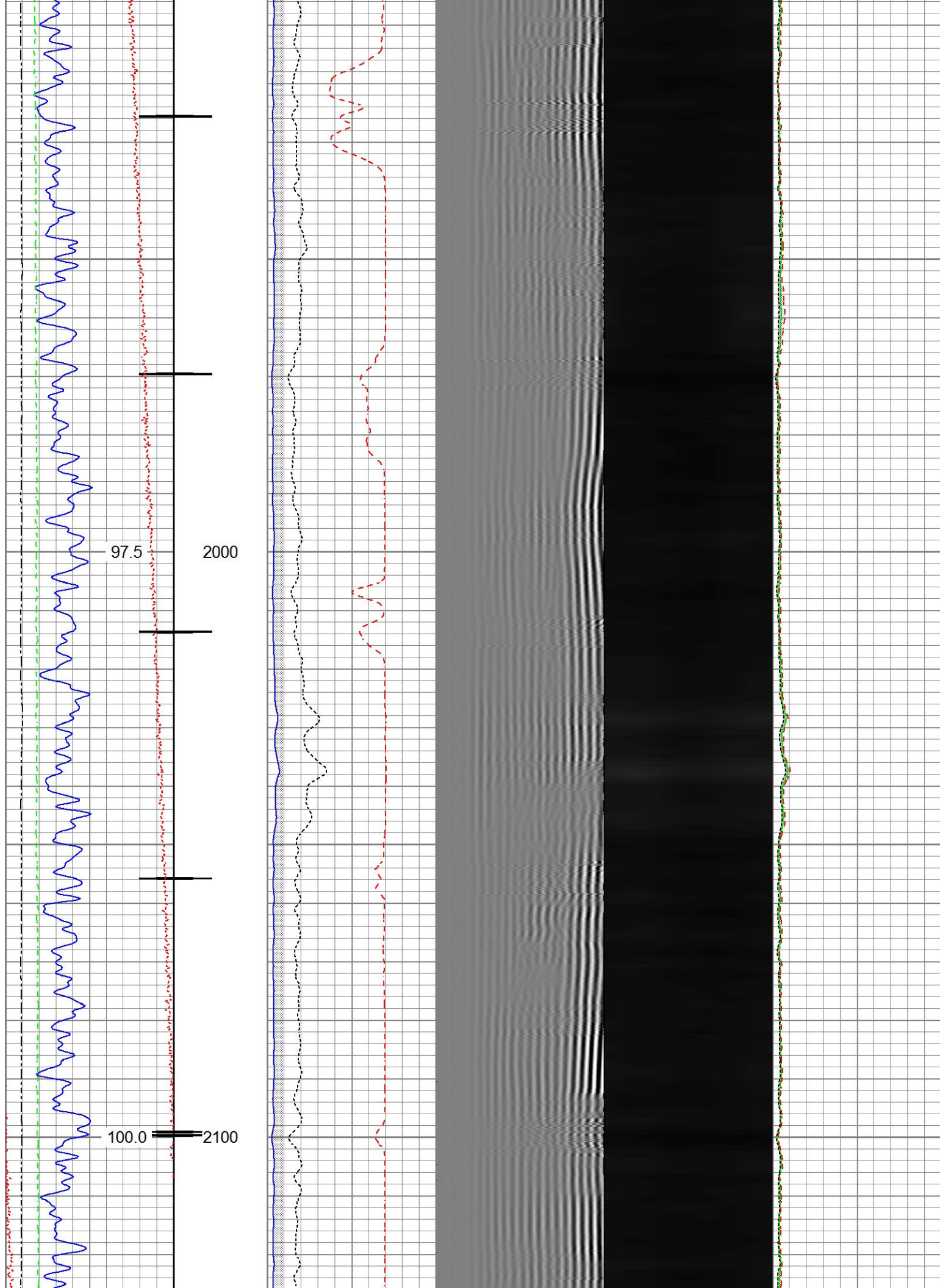


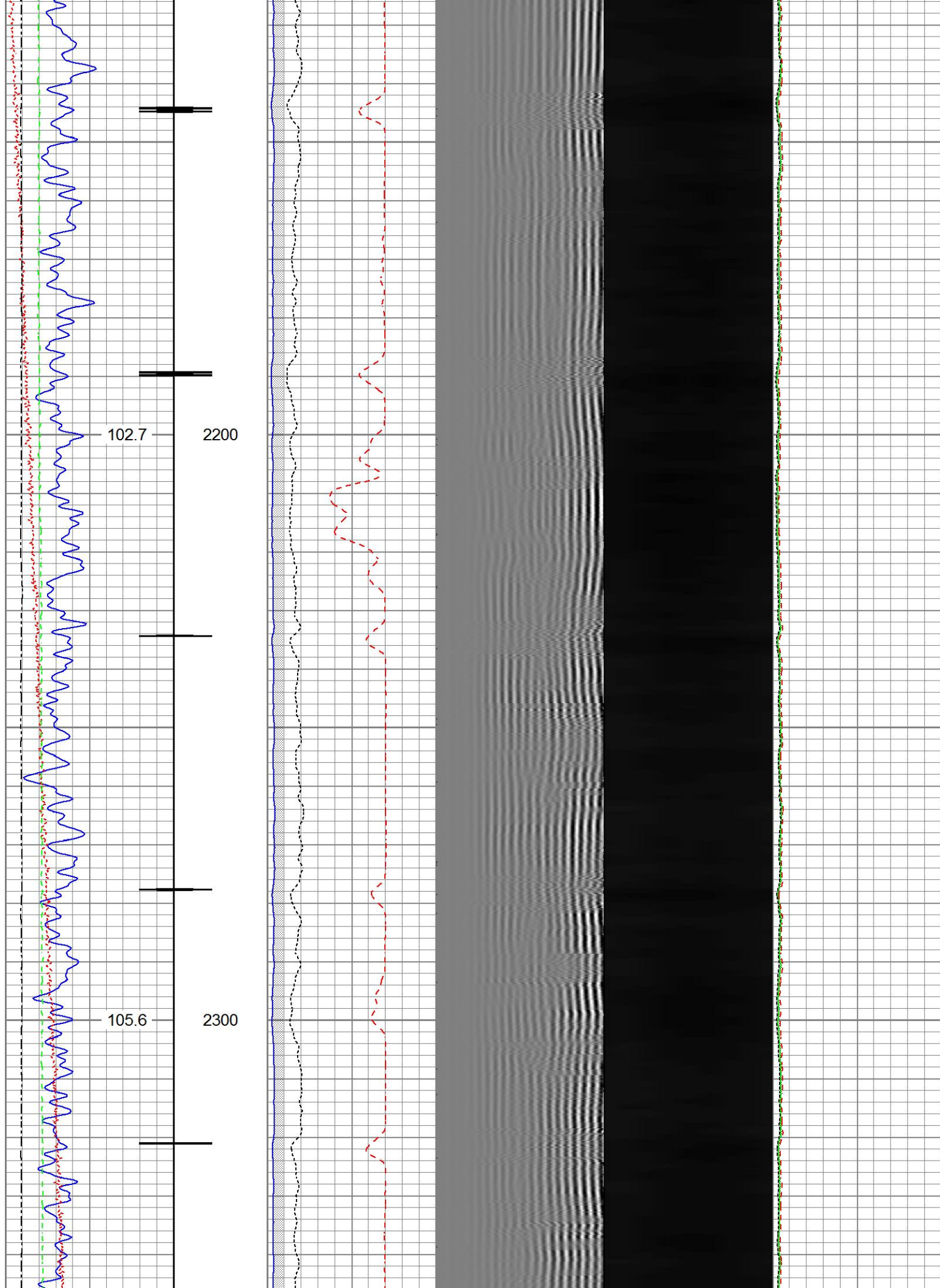


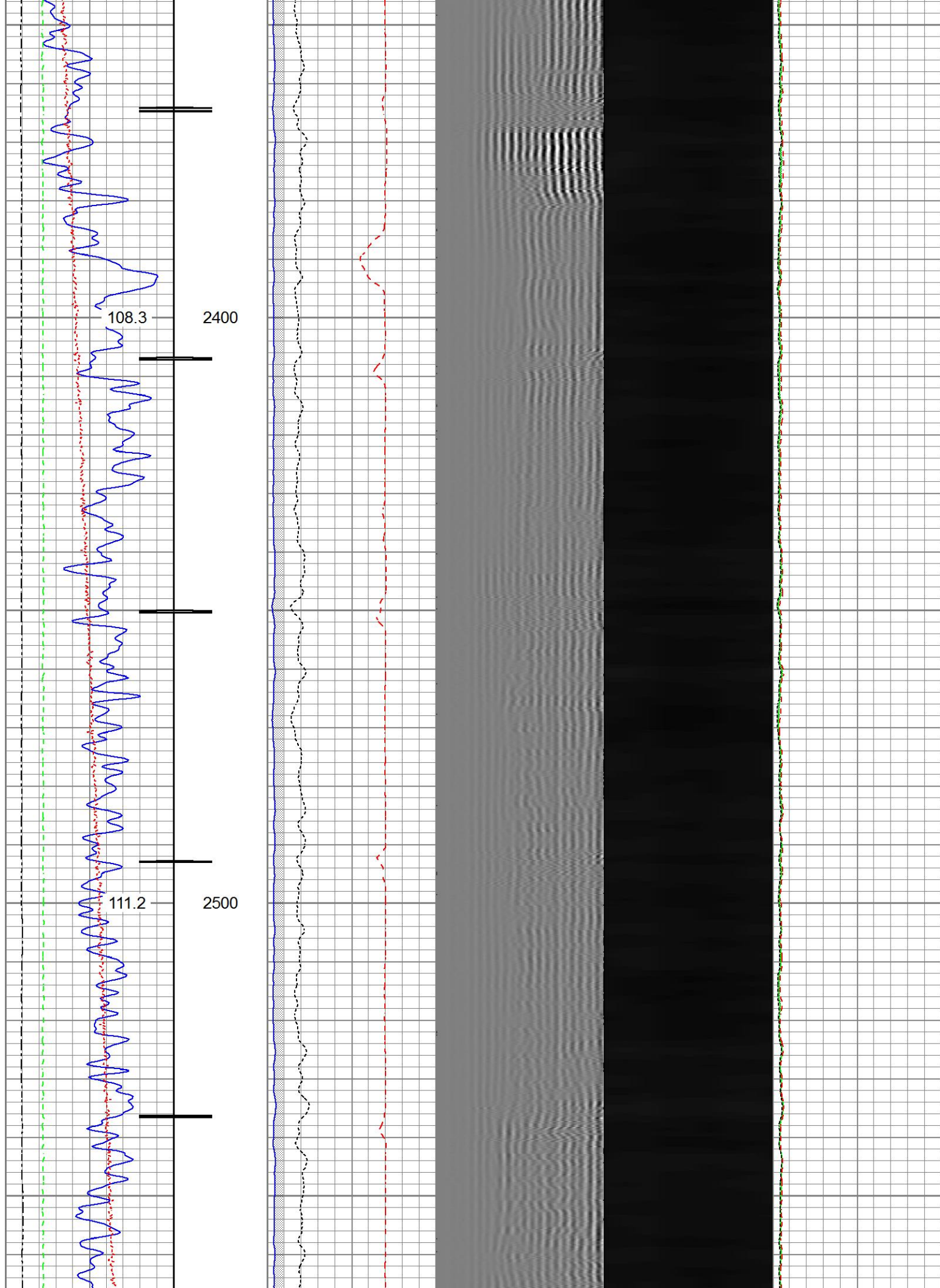


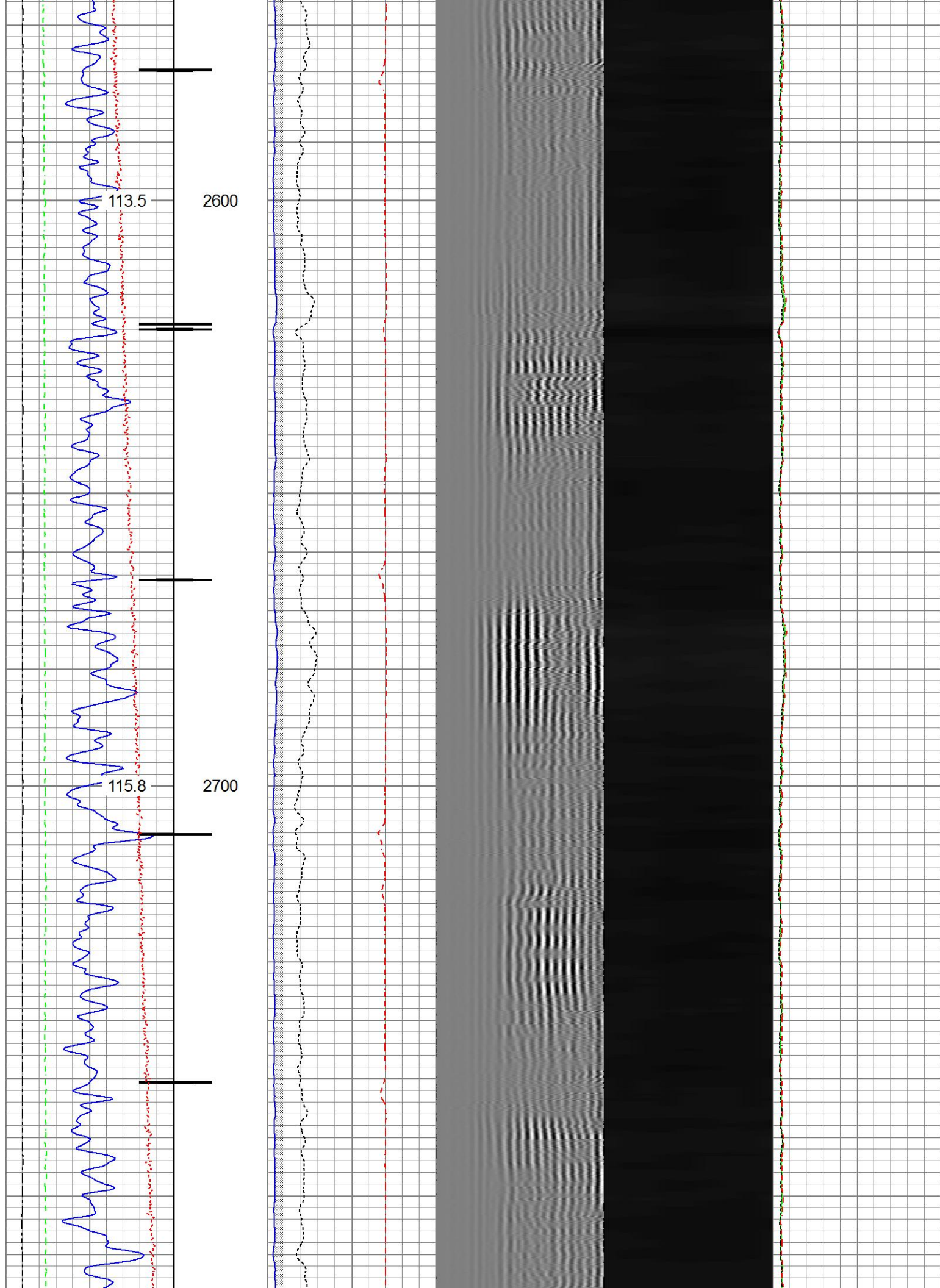


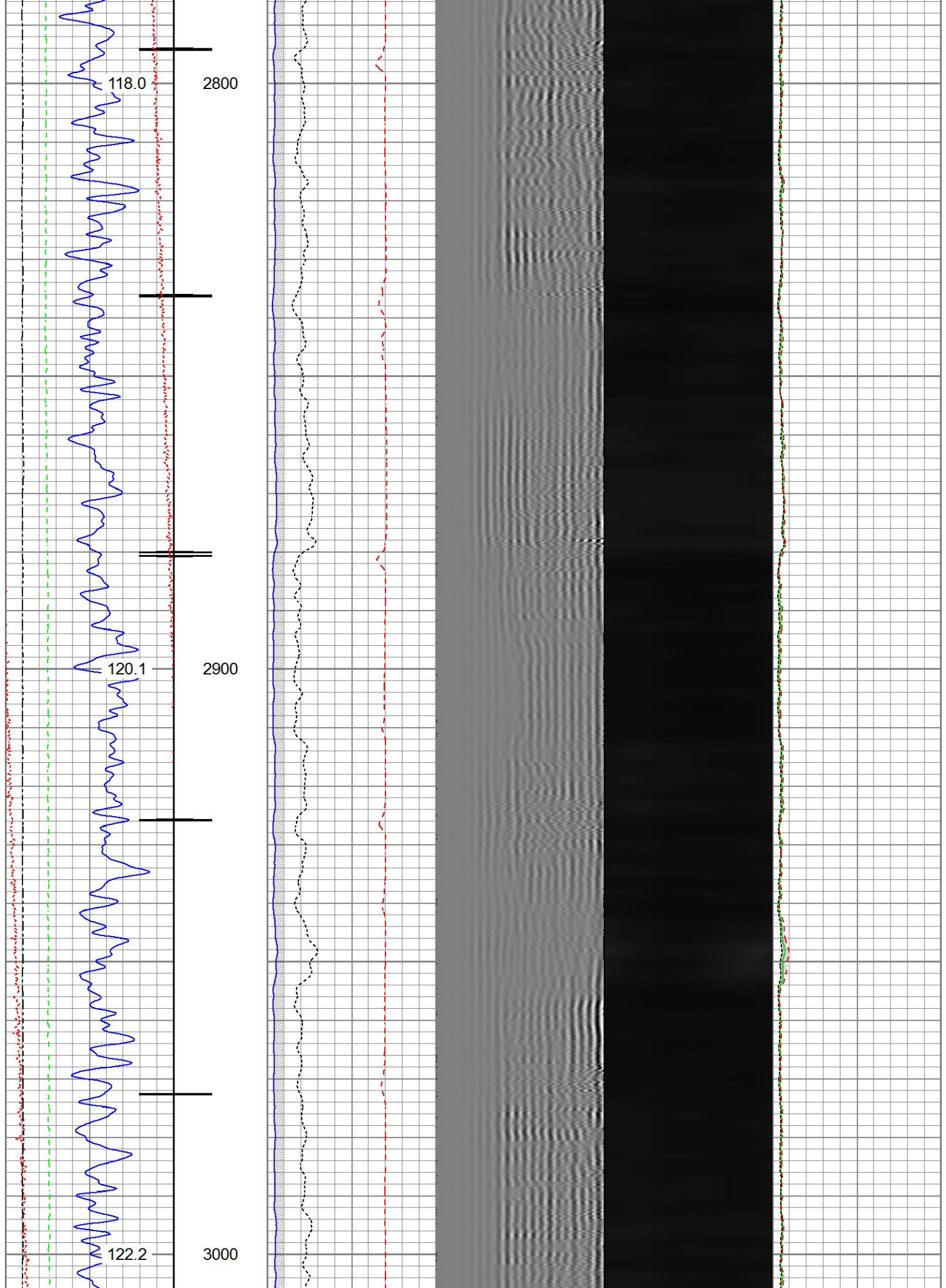


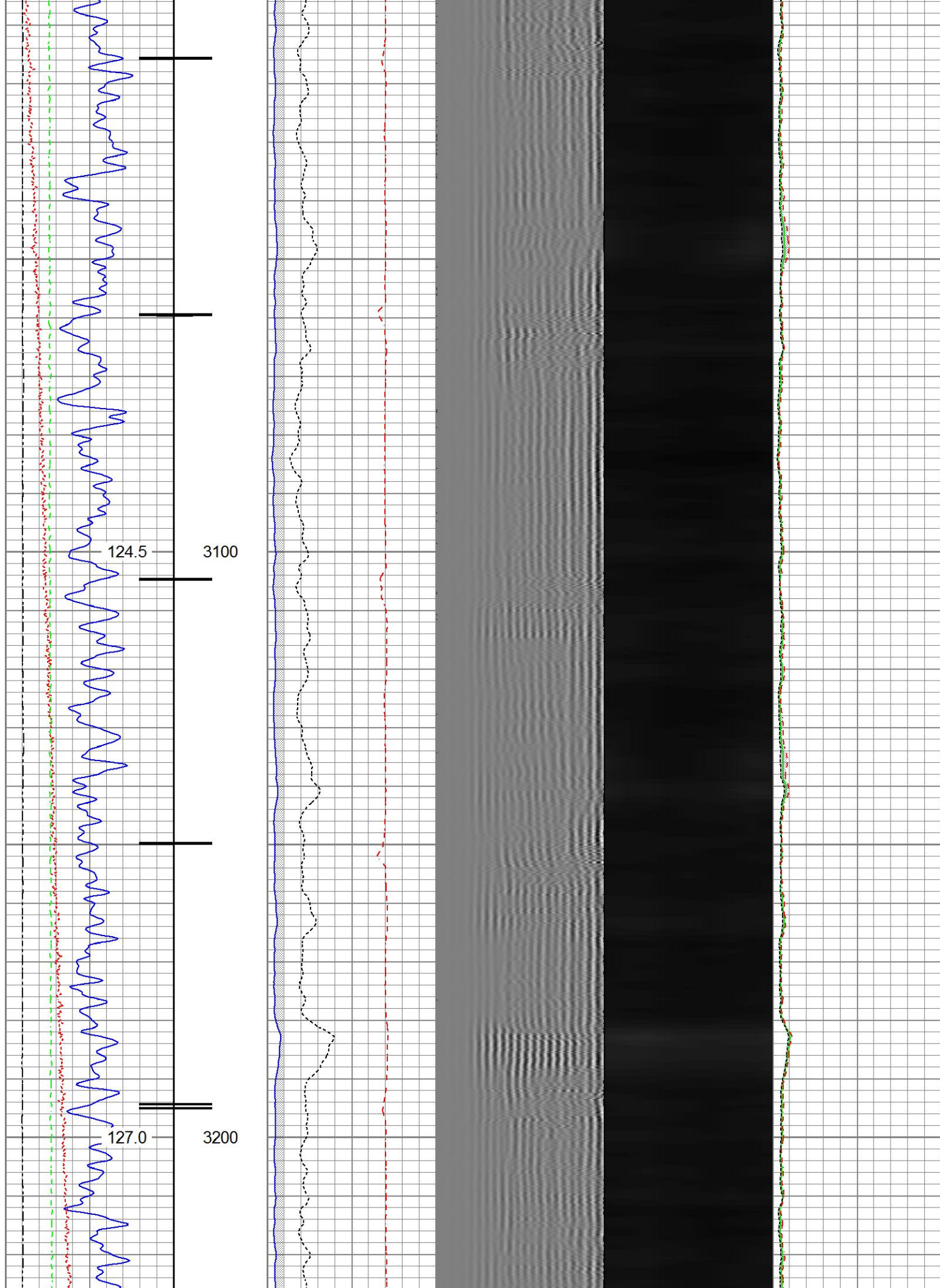


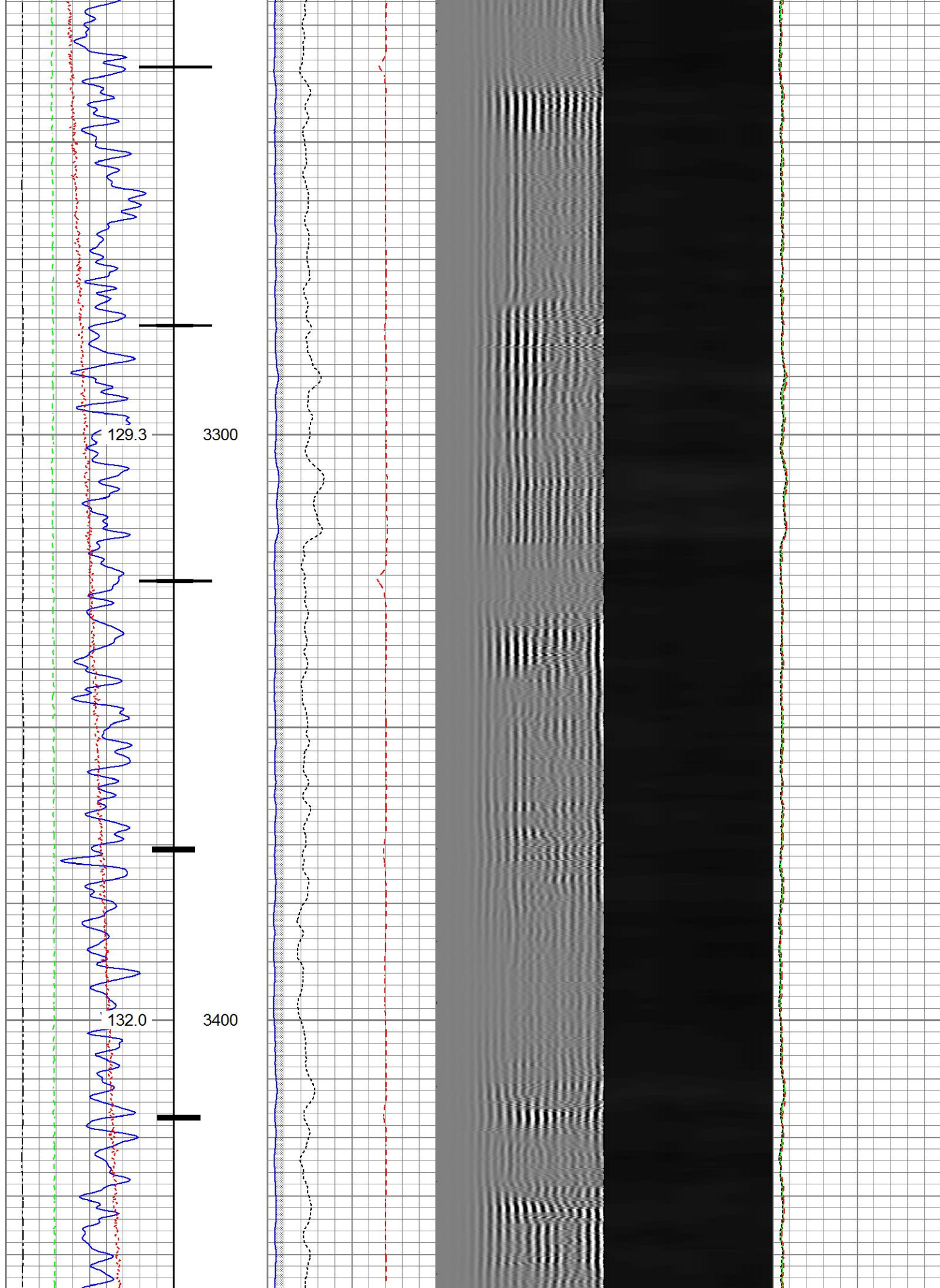


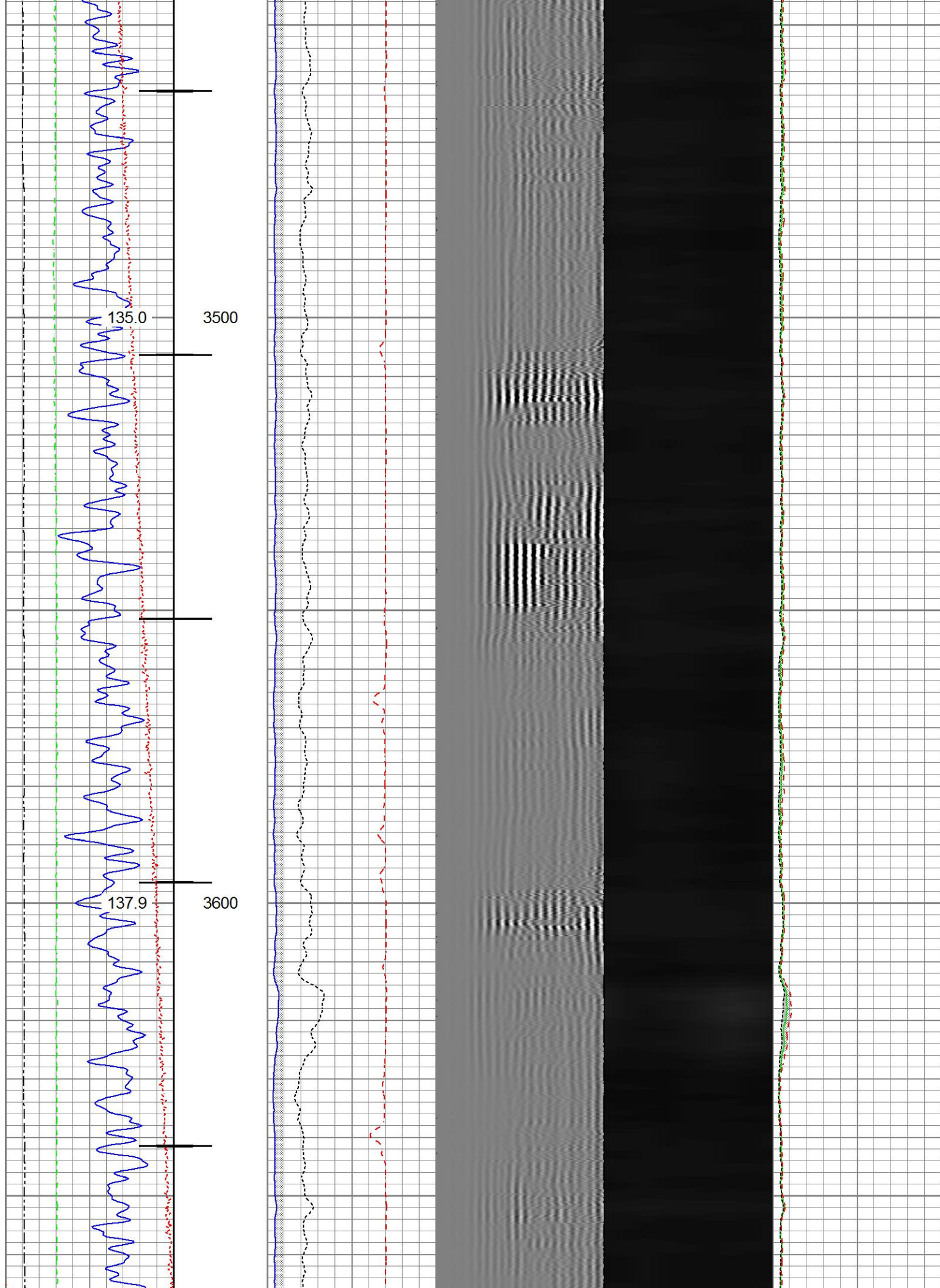


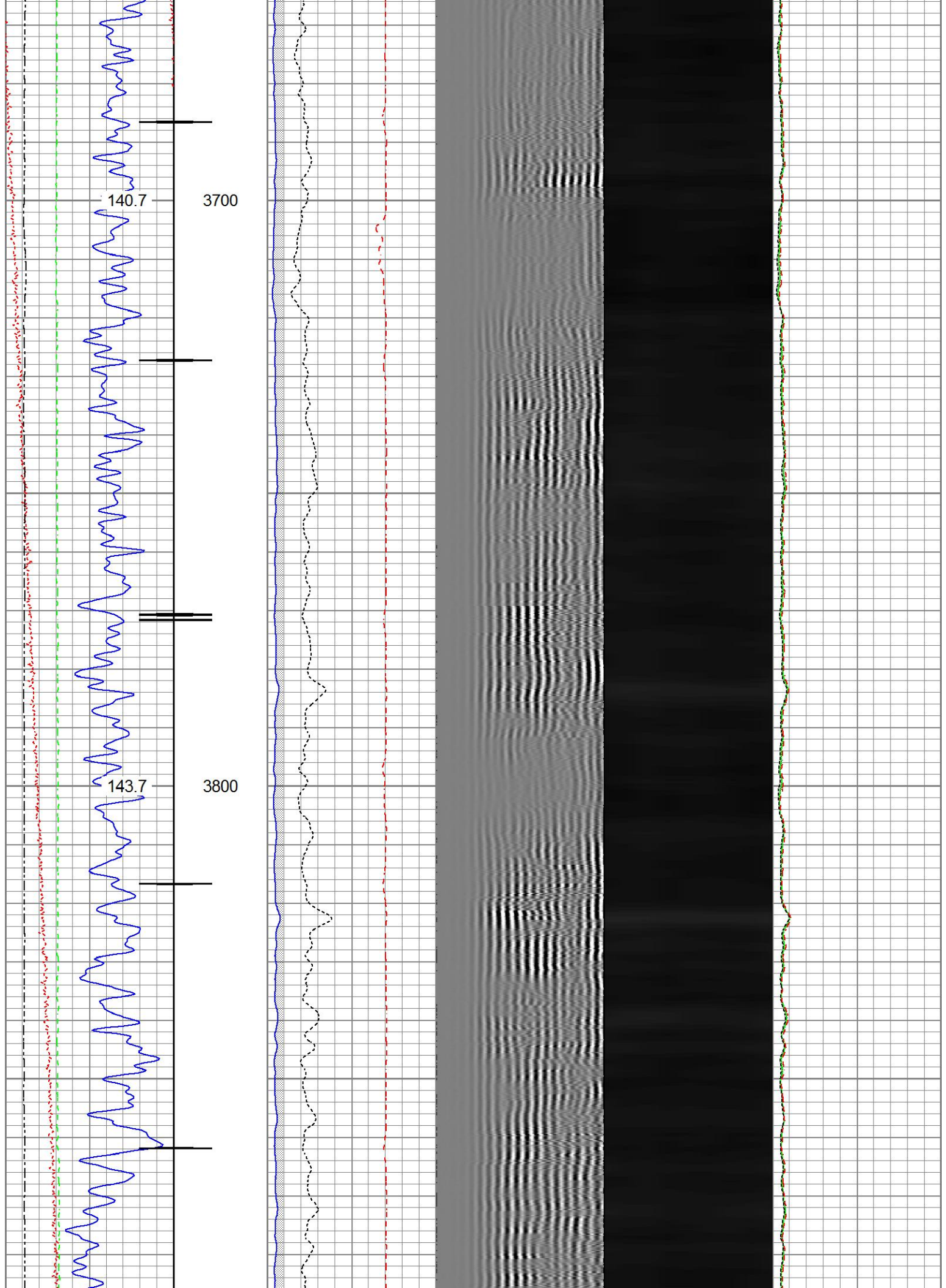


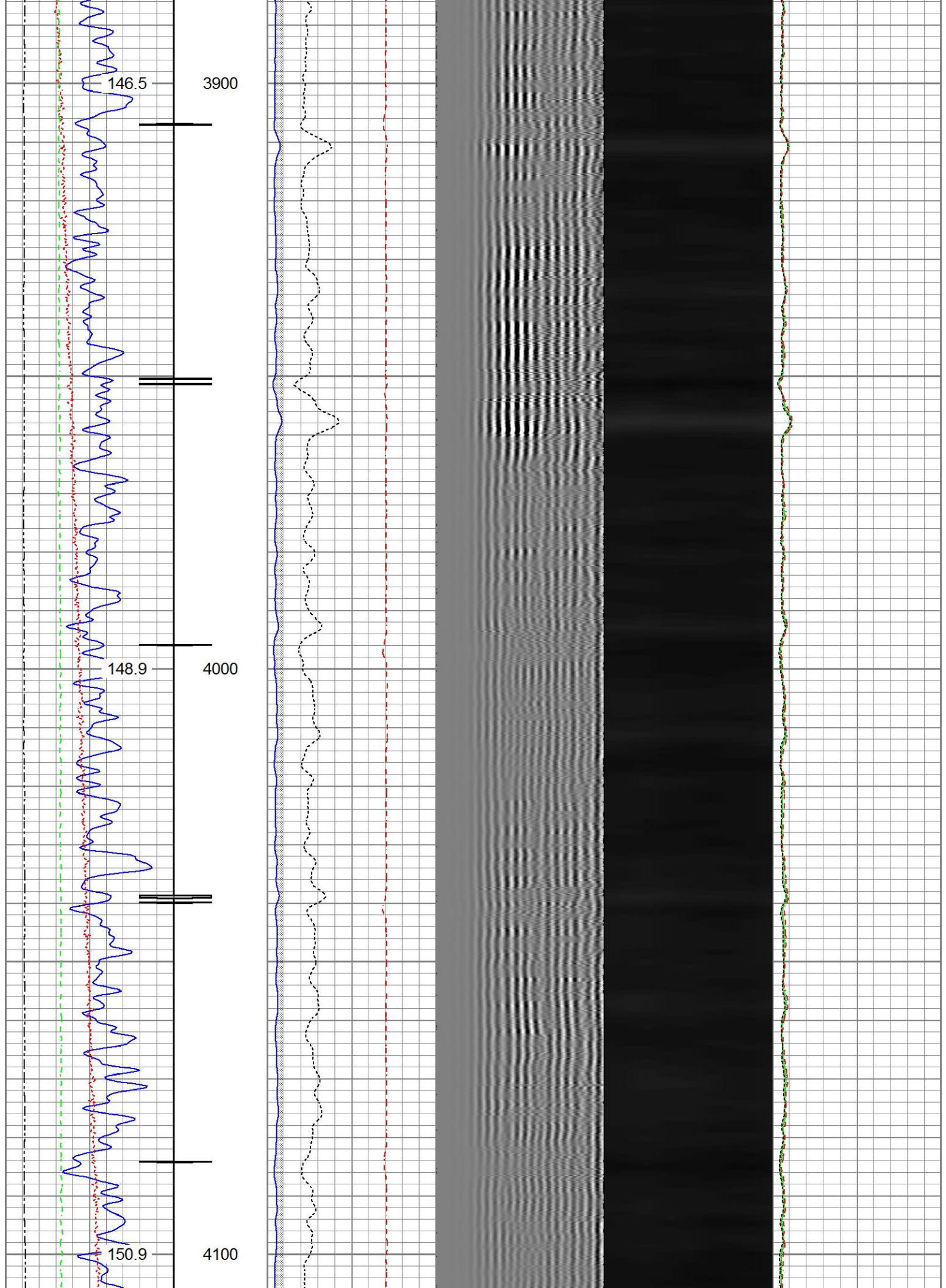


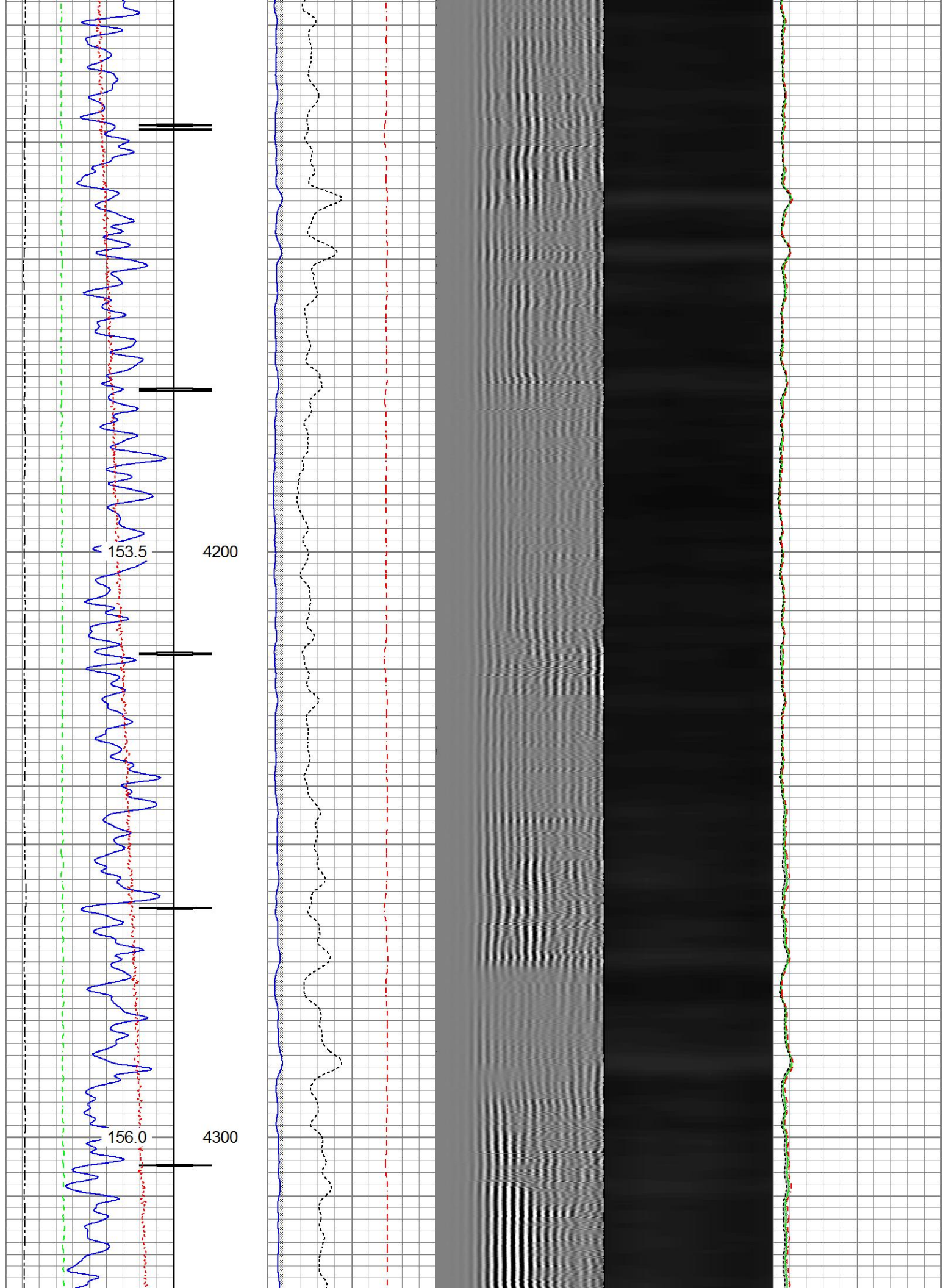


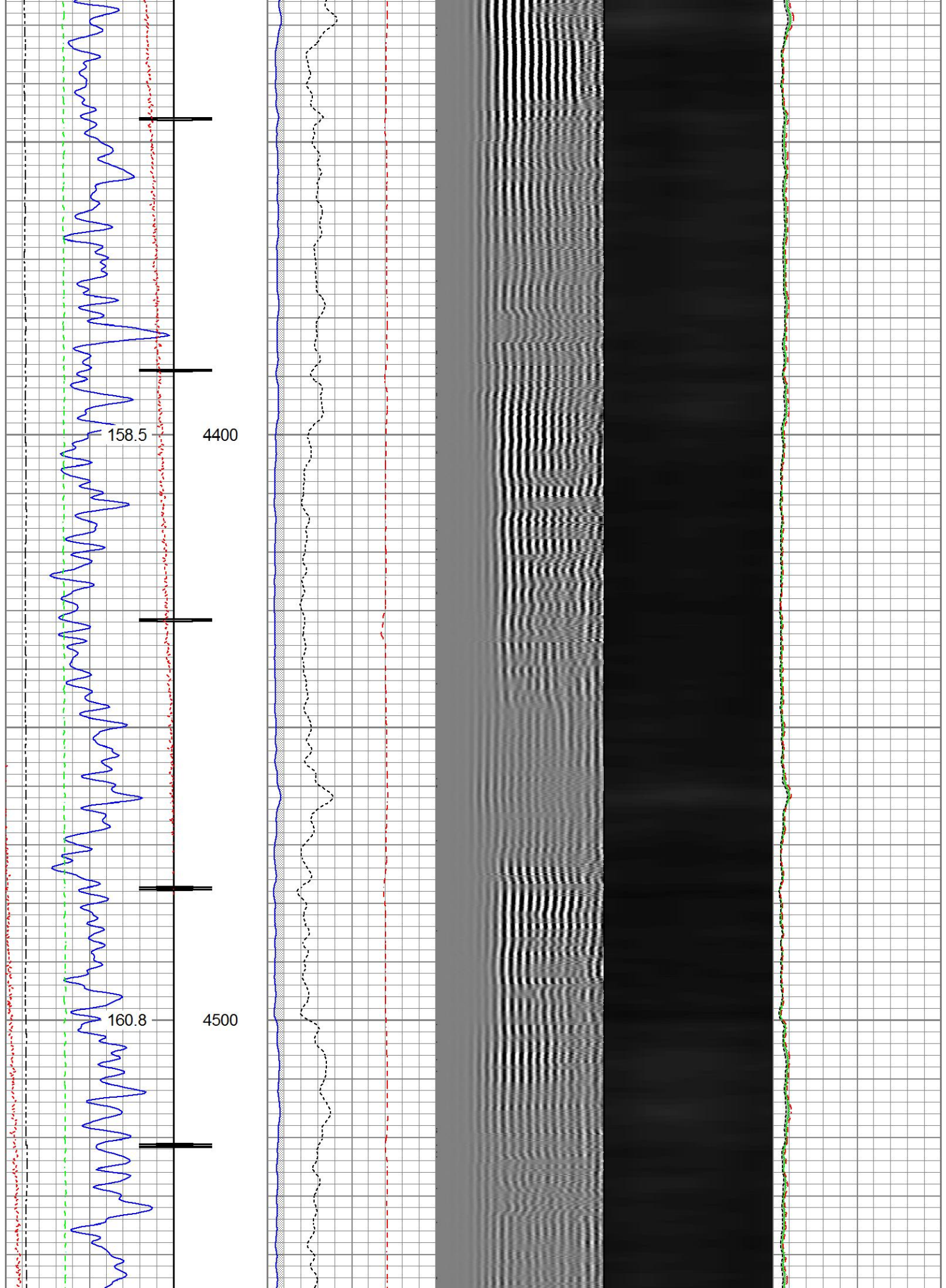


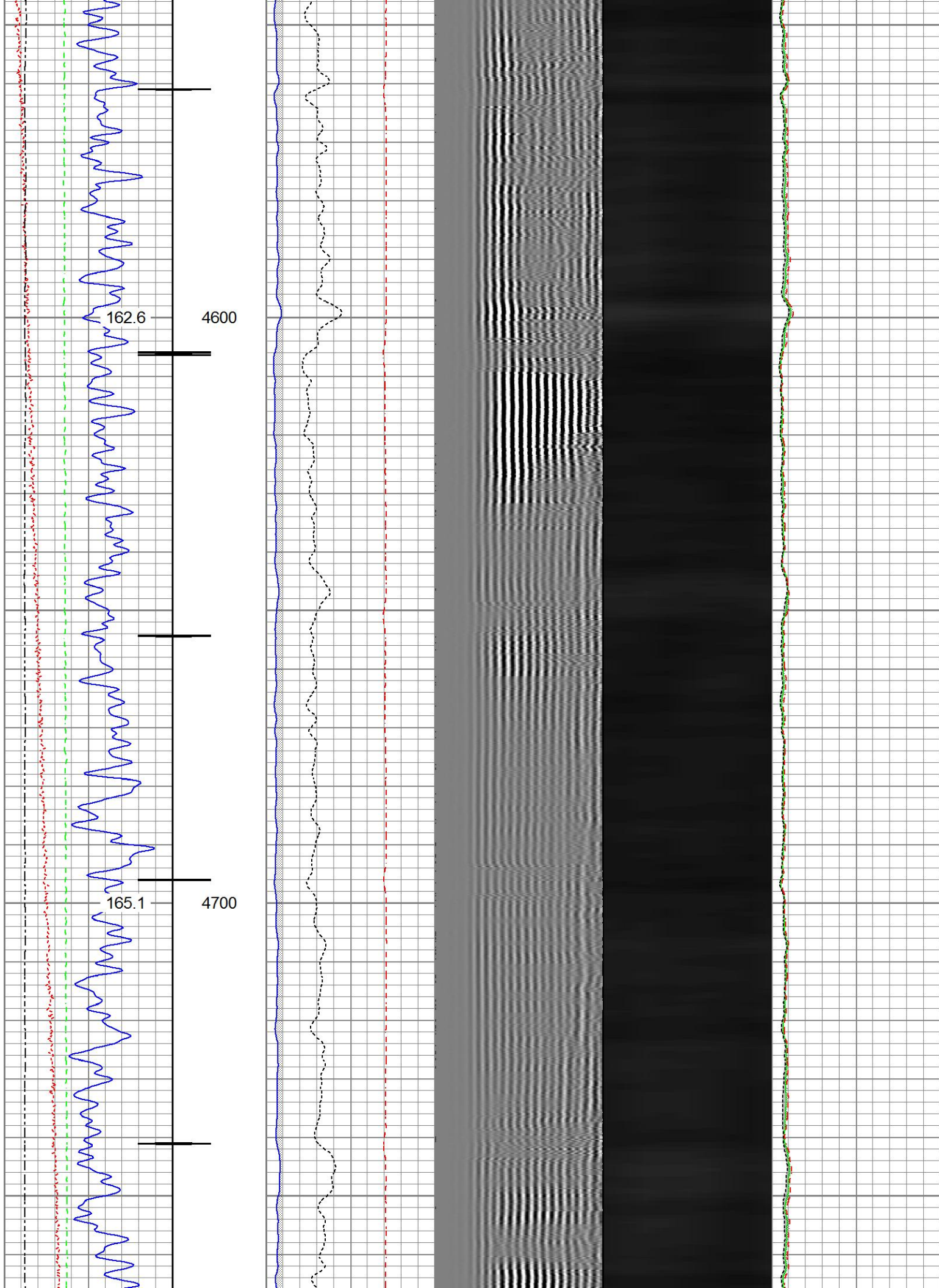


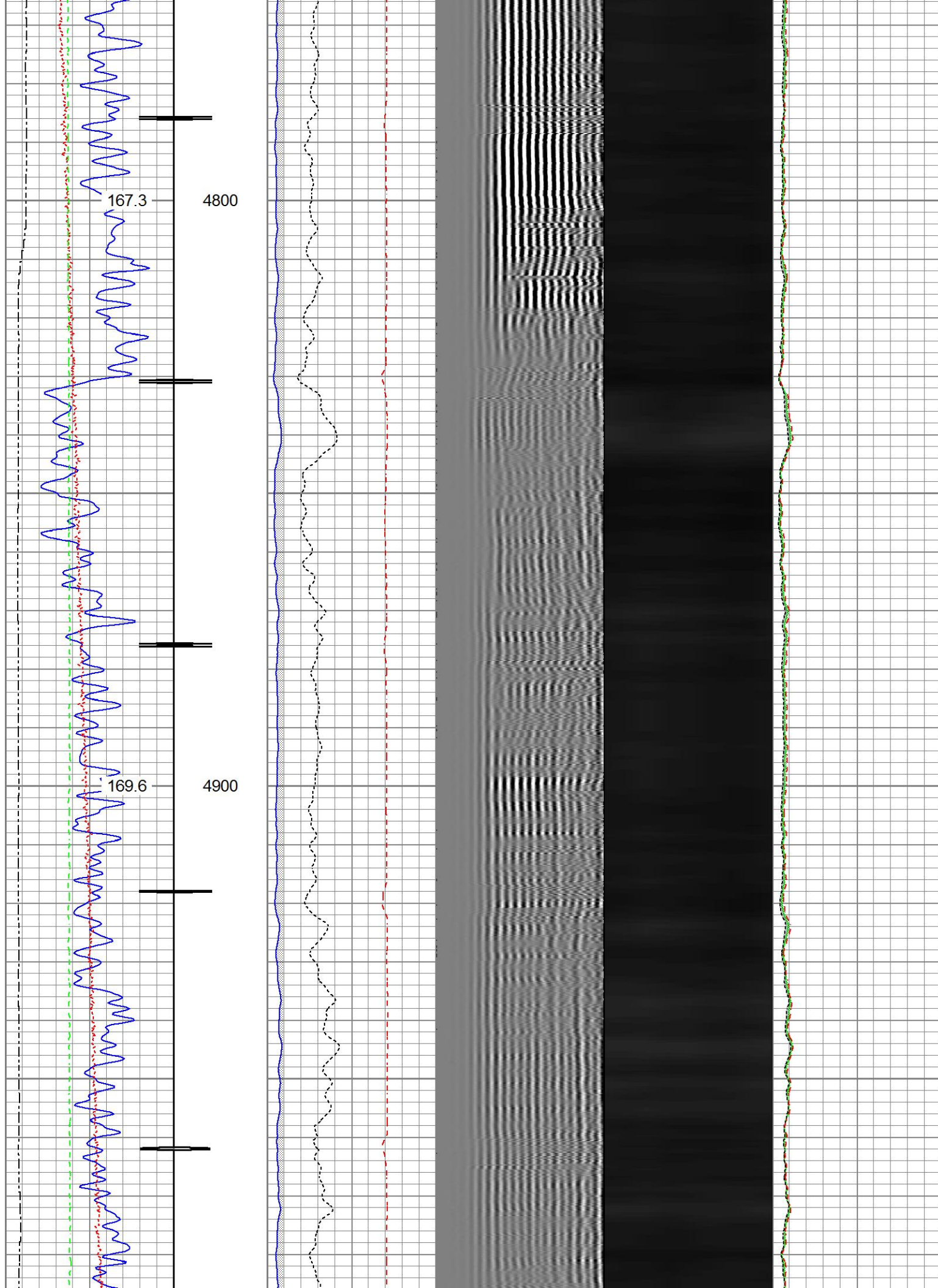


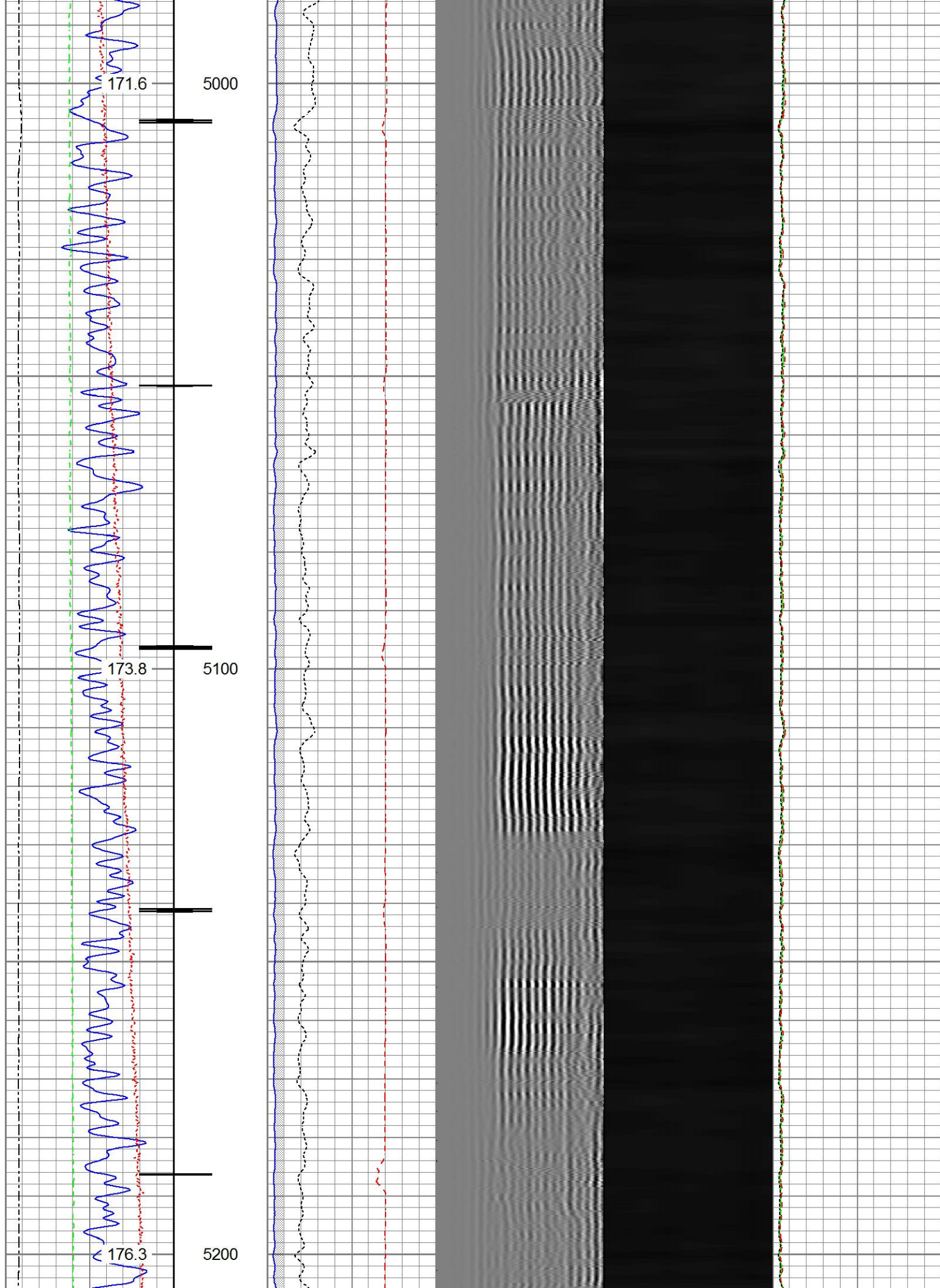


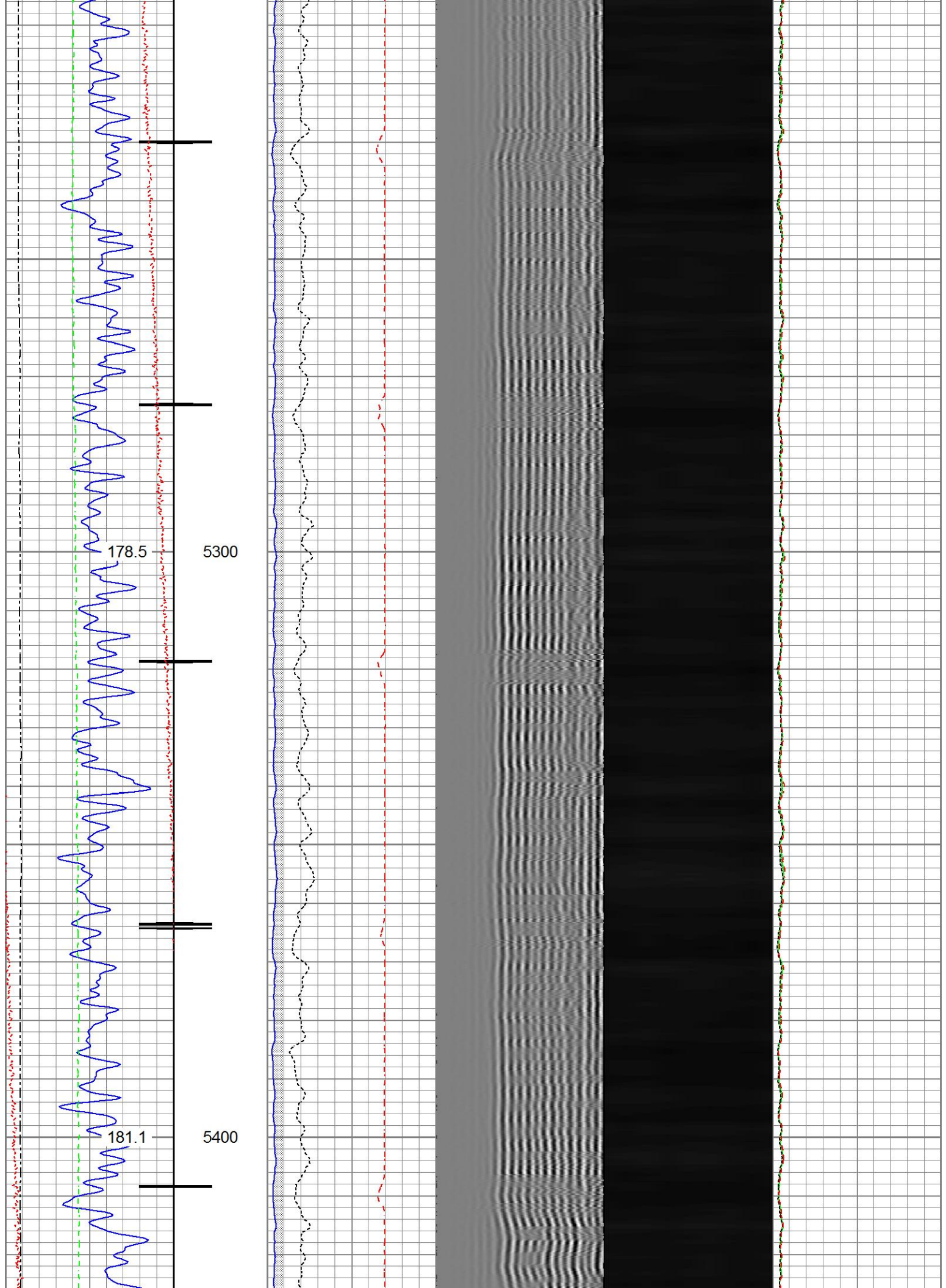


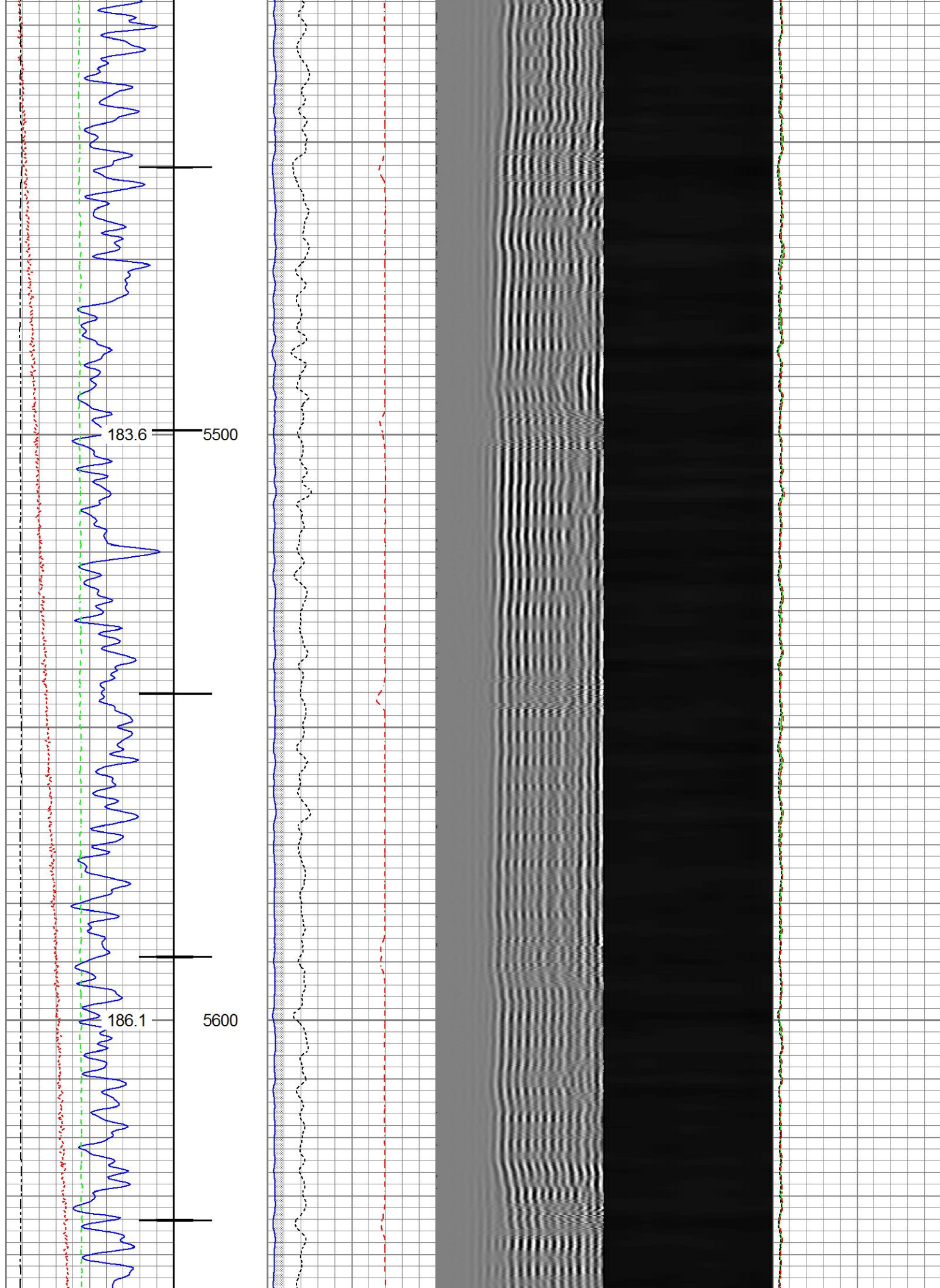


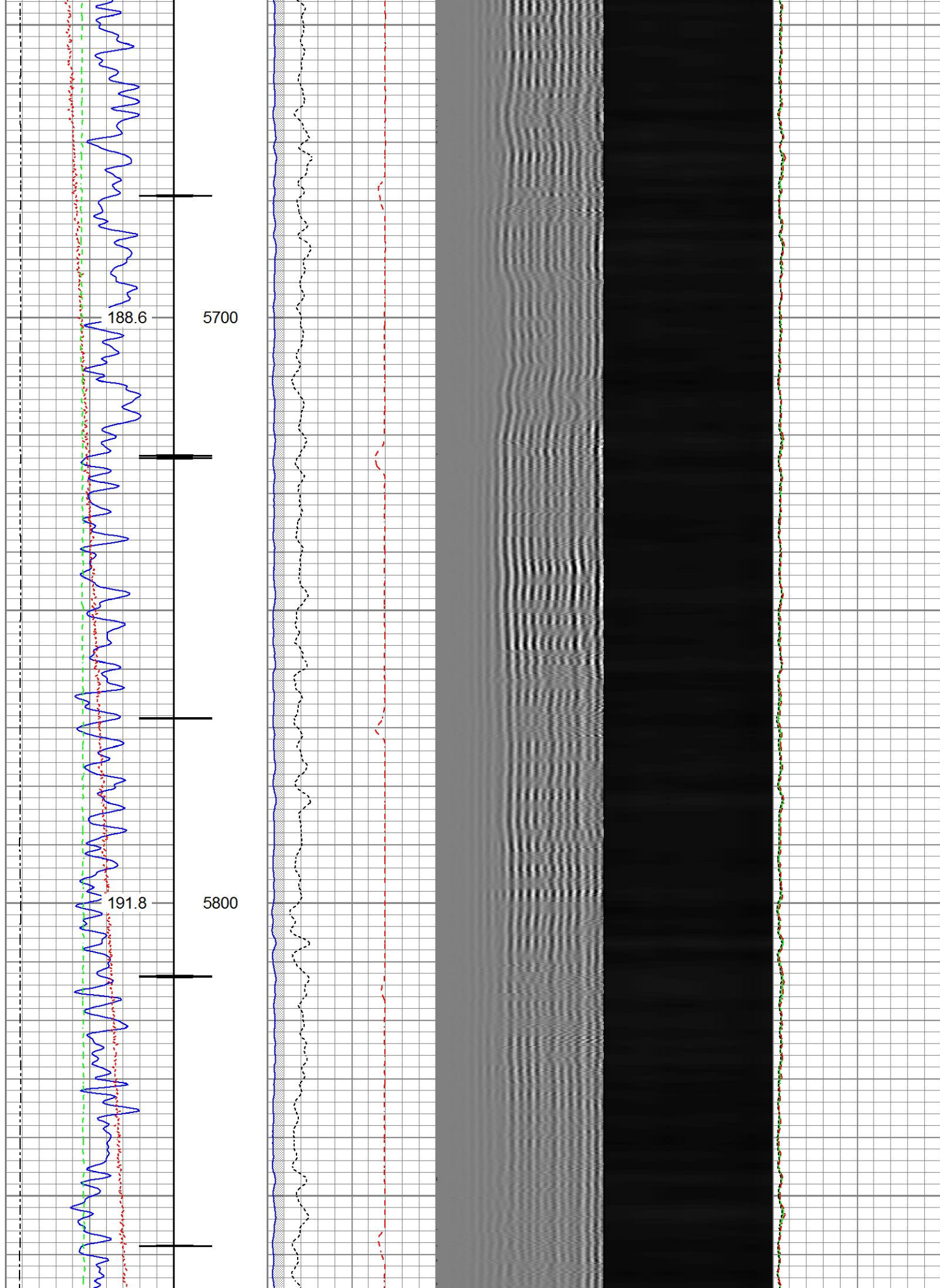


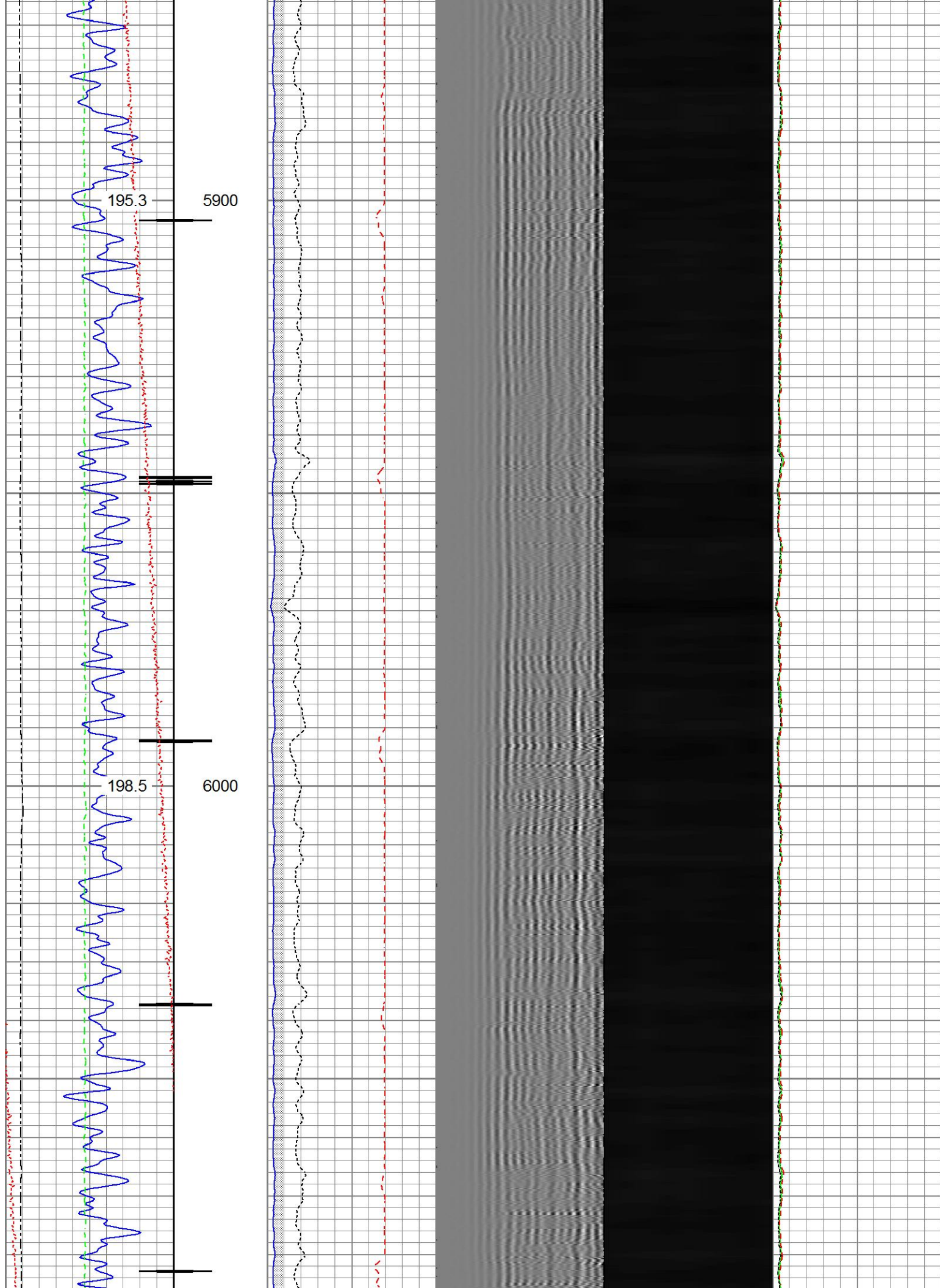


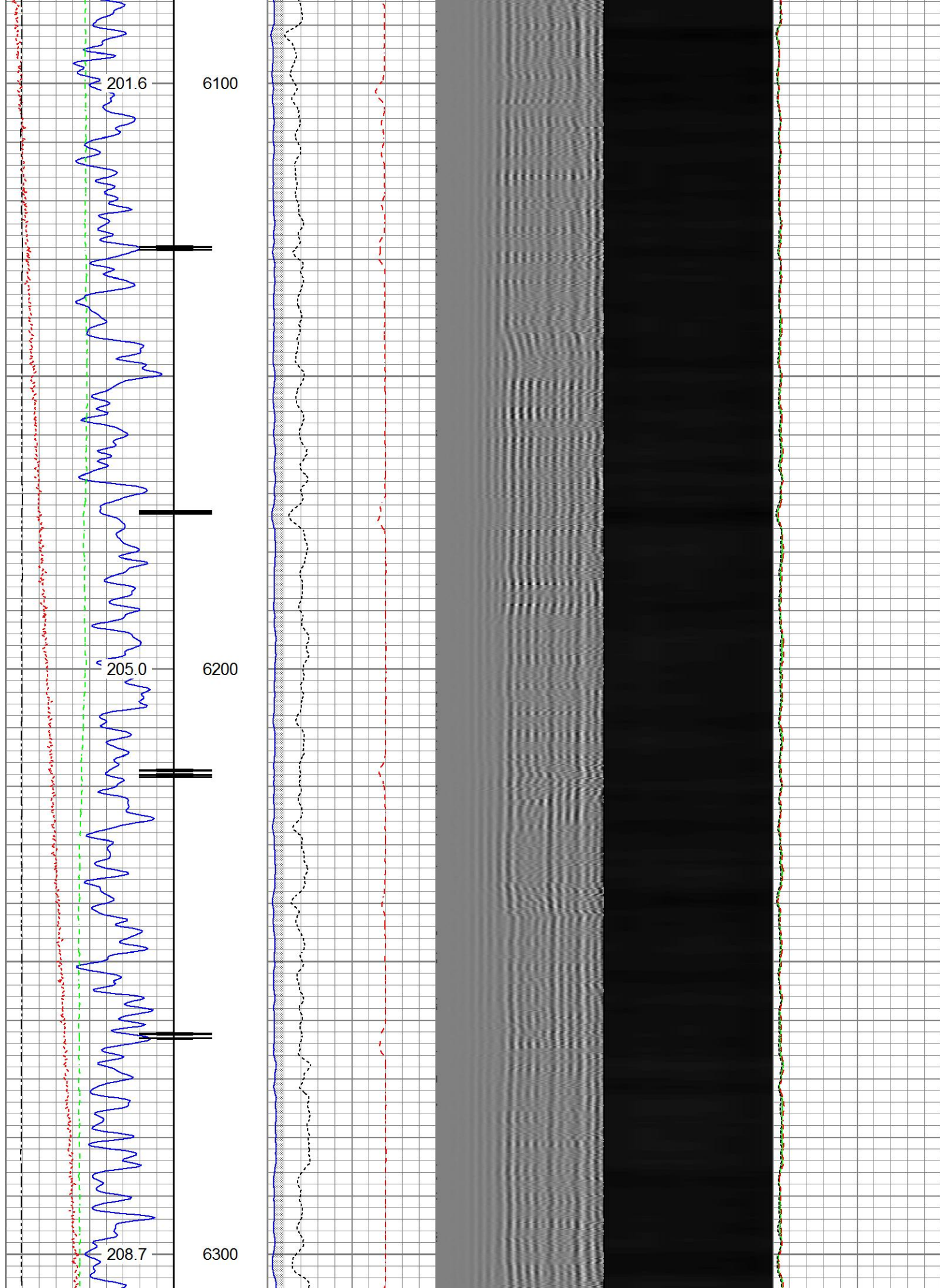


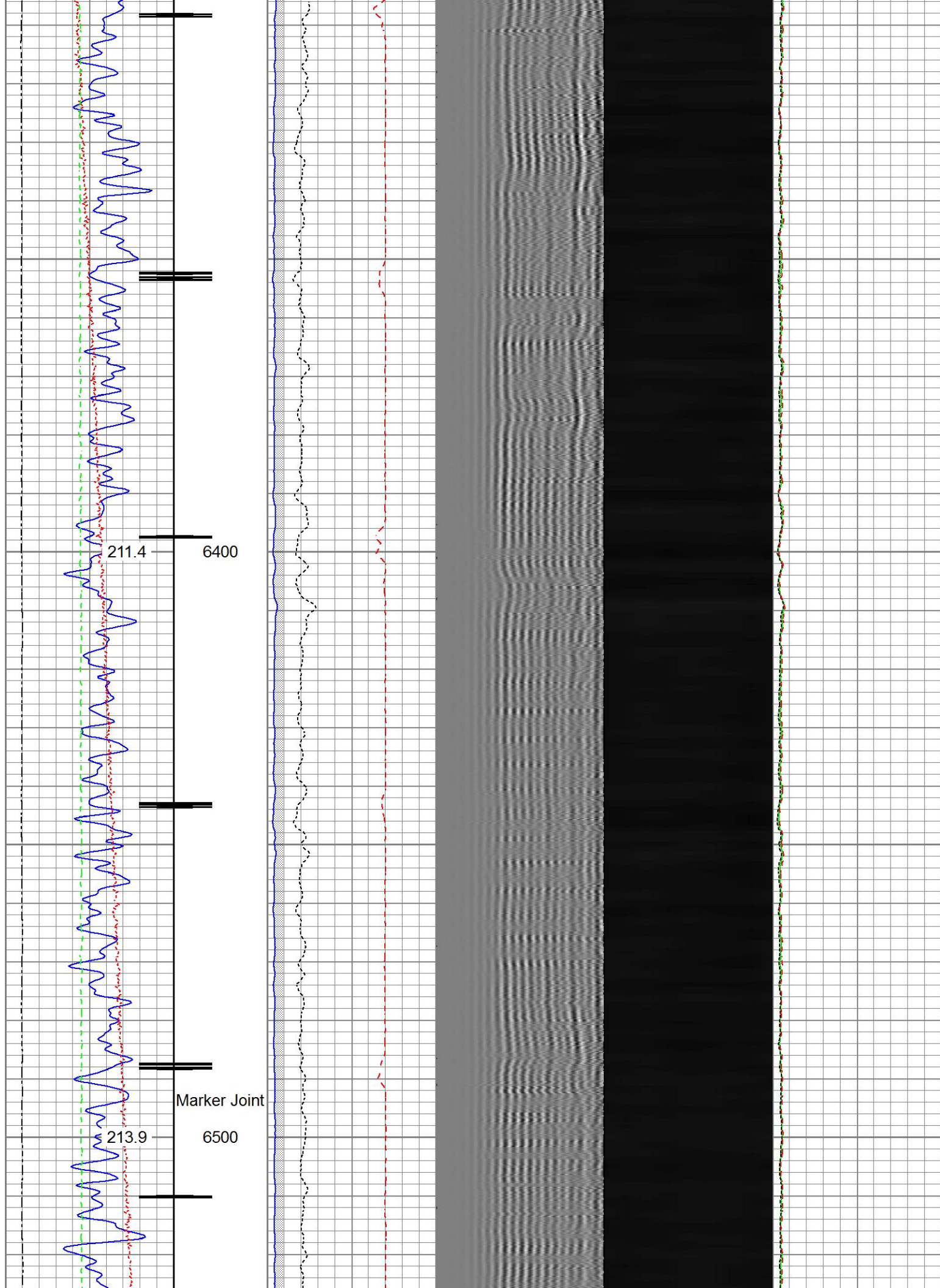


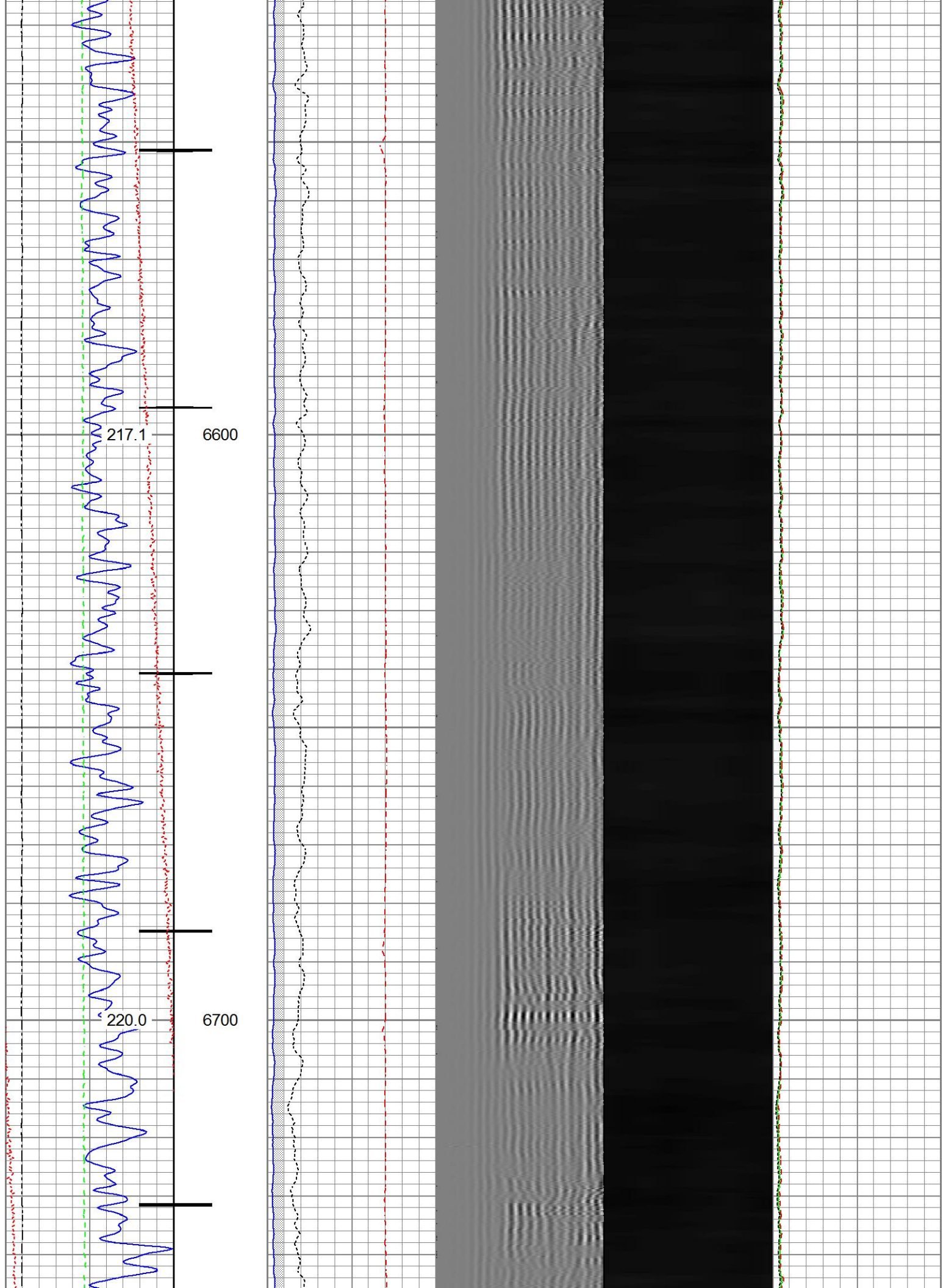


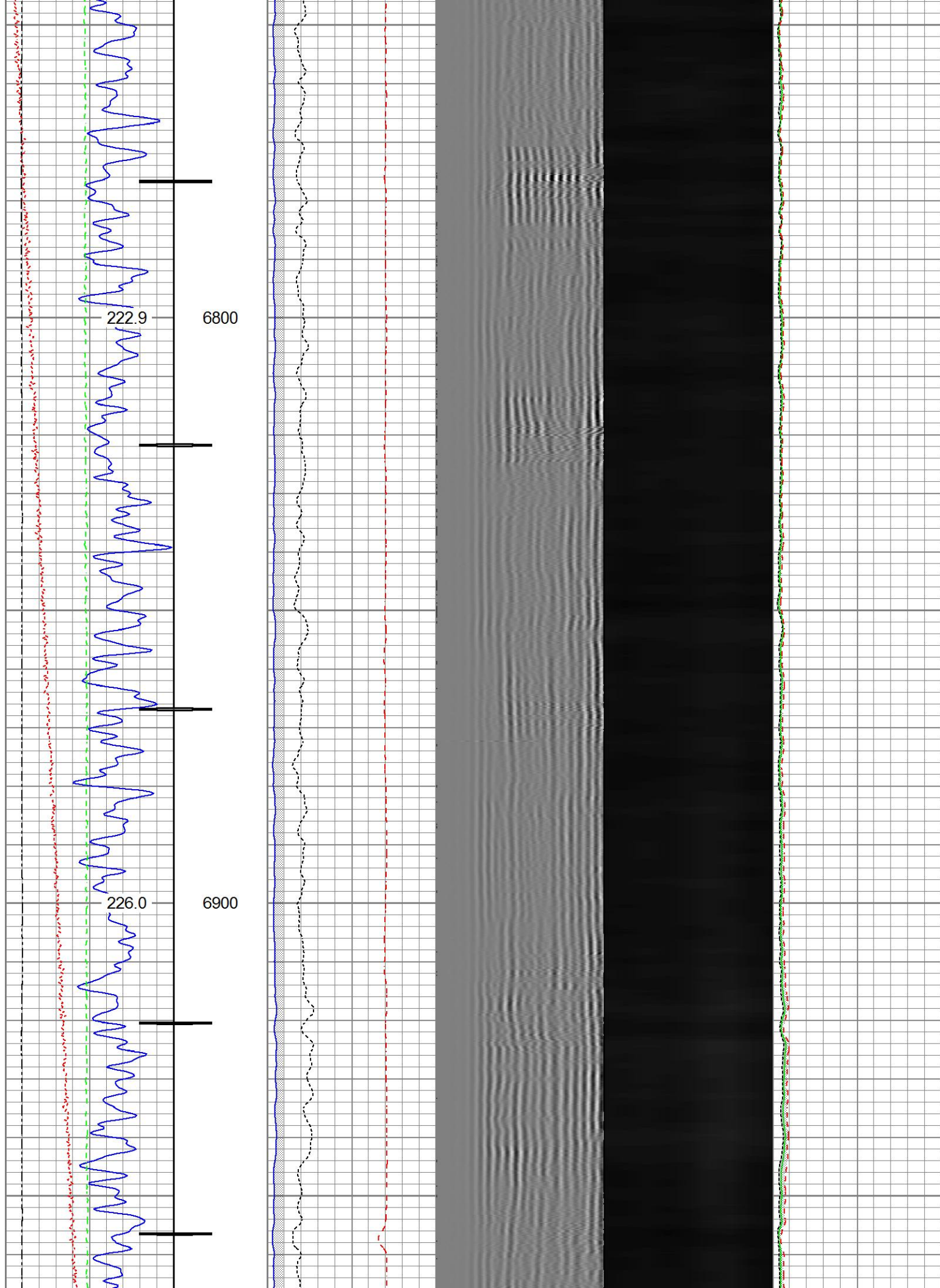


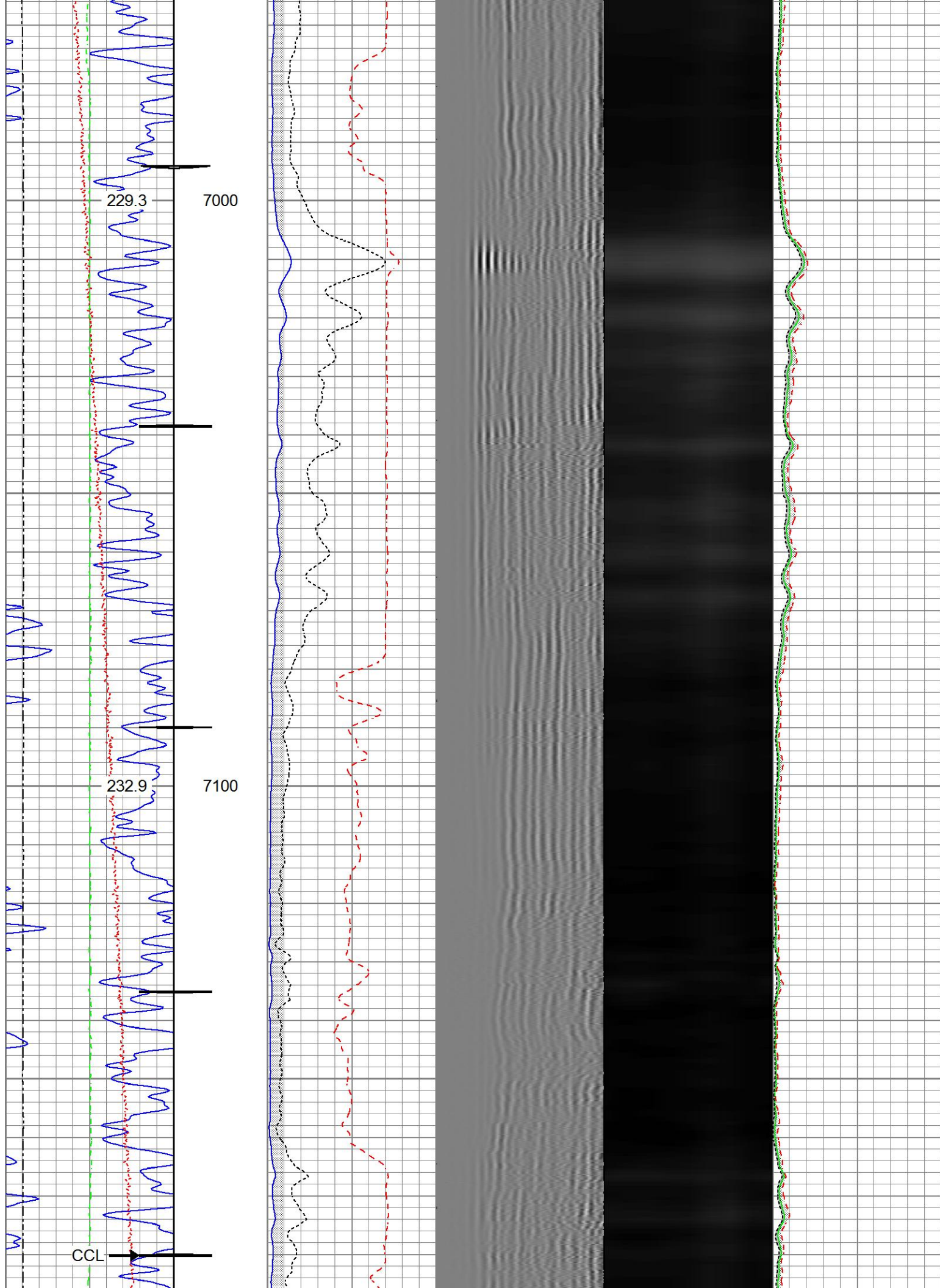


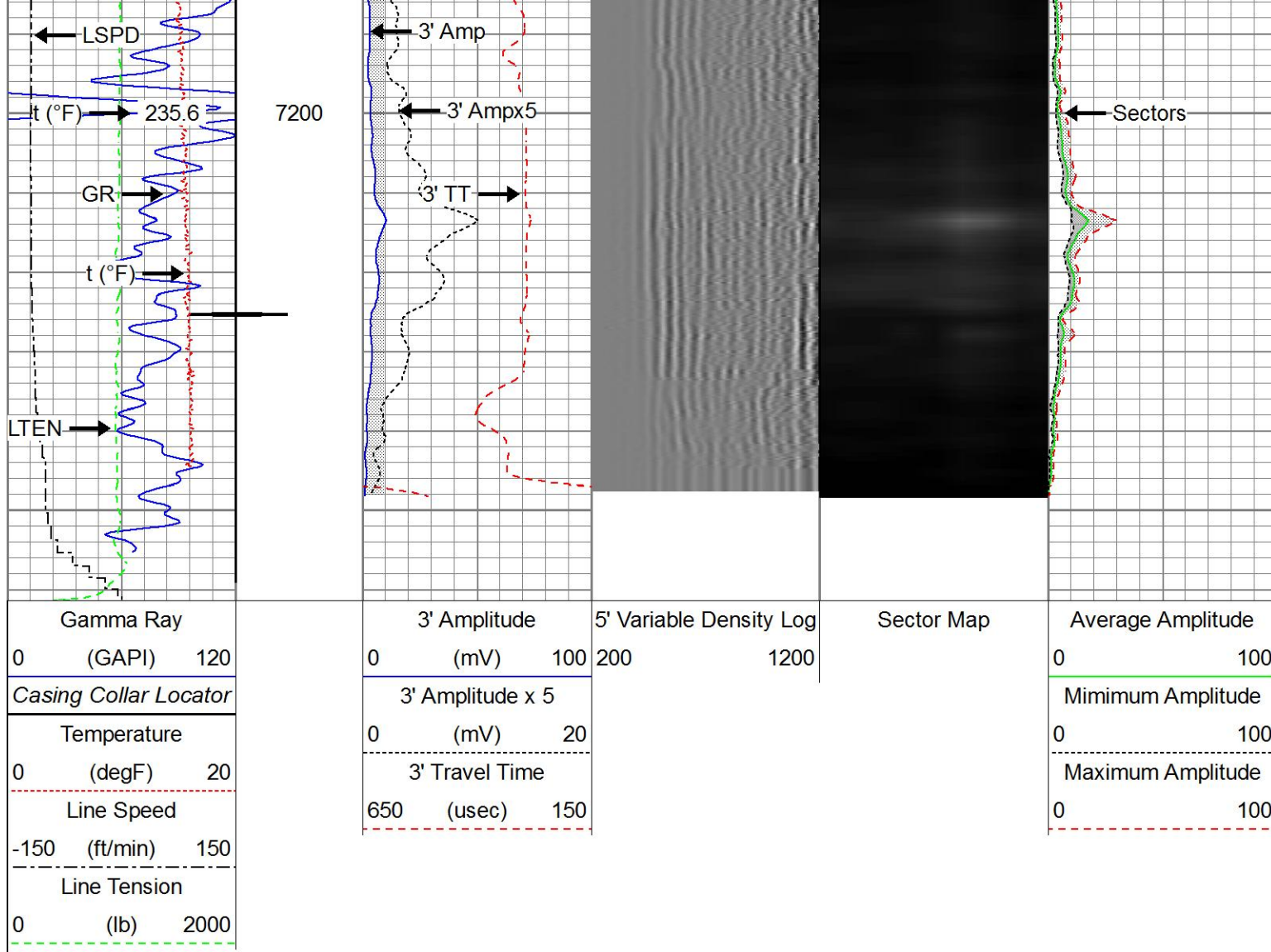








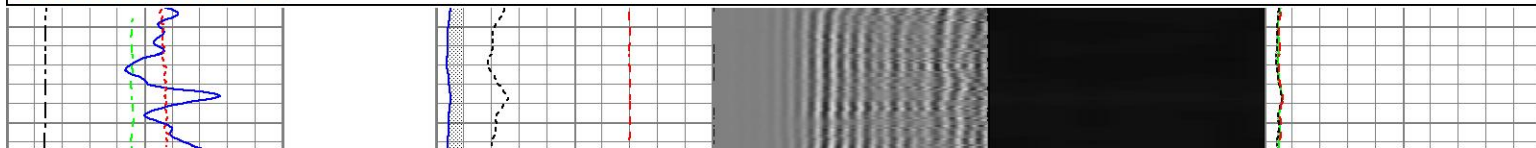
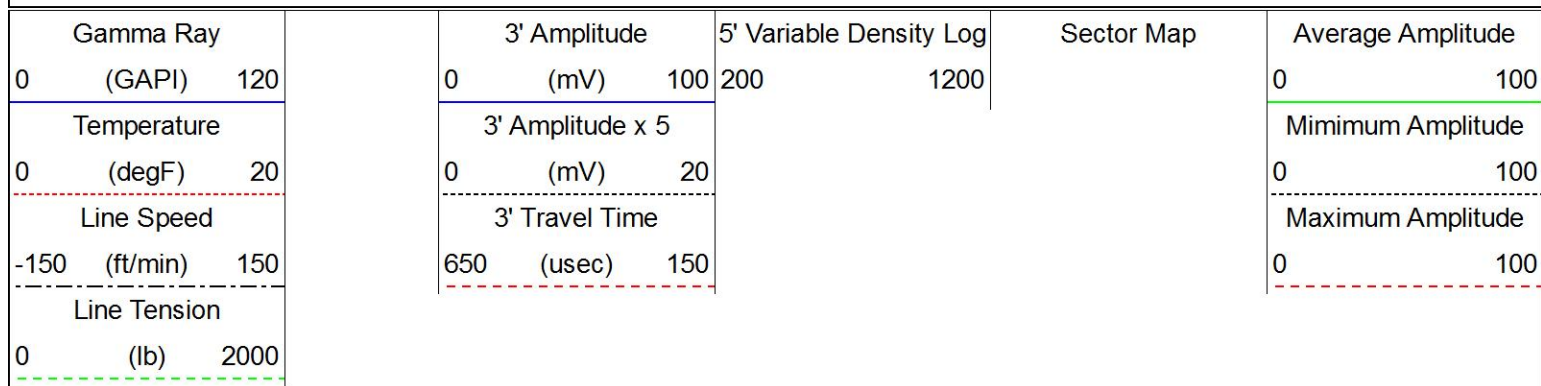


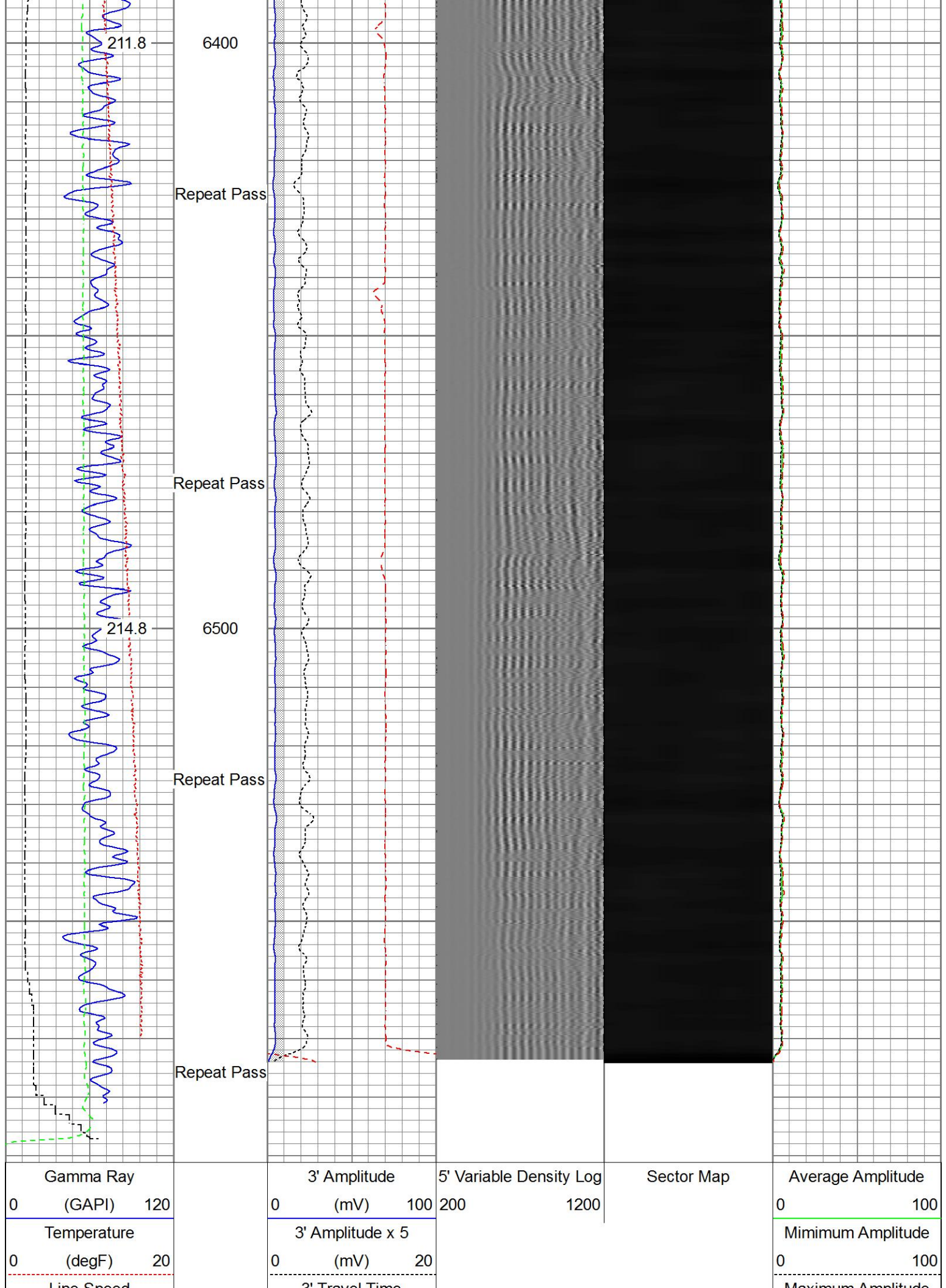


Repeat Pass



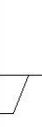
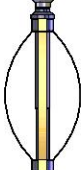
Recorded With 2800 PSI Surface Induced Pressure

Database File: anadarko_chica 4n2_23hz\anadarko_chica_4n2_23hz_13jun2017_rbl_w8.db
 Dataset Pathname: pass2
 Presentation Format: ros_radrii
 Dataset Creation: Tue Jun 13 11:22:49 2017
 Charted by: Depth in Feet scaled 1:240





Line Speed			Travel Time			Maximum Amplitude		
-150	(ft/min)	150	650	(usec)	150	0		100
Line Tension								
0	(lb)	2000						

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
HeadVolt	19.54		Titan_Electric_Cable_Heads-Titan_1-11/161.03 Electric Cable Head with 1" Fishing Neck	161.03	1.69	5.40
			Probe_ELine_BowSpring_Centralizer-P Probe 2-3/4" Electric Inline Bowspring Centralizer	EE2.88,275	2.75	20.00
Temp	16.75		Probe_RADII-C-P_RBT_2750 (FW1305-099.19) Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe	099.19	2.75	105.00
WVFS8	14.58					
WVFS7	14.58					
WVFS6	14.58					
WVFS5	14.58					
WVFS4	14.58					
WVFS3	14.58					
WVFS2	14.58					
WVFS1	14.58					
WVFCAL	14.58					
WVF3FT	14.58					
WVF5FT	13.58					
HEADVOLT	10.33		Probe_ELine_BowSpring_Centralizer-P Probe 2-3/4" Electric Inline Bowspring Centralizer	EE2.88,275	2.75	20.00
DCCL	6.51		Probe_GR_CCL-P_CGR_2750_S (FW1214.573) Probe 2-3/4" Digital CCL / Gamma Ray Combined	1214.573	2.75	55.00
CCL	6.51					
GR	3.77					
			Probe_ELine_BowSpring_Centralizer-P Probe 2-3/4" Electric Inline Bowspring Centralizer	EE2.88,275	2.75	20.00

Dataset: anadarko_chica_4n2_23hz_13jun2017_rbl_w8.db: field/well/run1/pass4
 Total length: 23.43 ft
 Total weight: 225.40 lb
 O.D.: 2.75 in

Calibration Report

Database File C:\ProgramData\Warrior\Data\Anadarko_Chica 4N2_23HZ\anadarko_chica_4n2_23hz_13jun2017_rbl_w8.d
 Dataset Pathname pass4
 Dataset Creation Tue Jun 13 11:29:29 2017

Gamma Ray Calibration Report

Serial Number: FW1212-026
 Tool Model: P_CGR_2750_S
 Performed: Mon Aug 15 10:19:05 2016

 Calibrator Value: 1.0 GAPI

 Background Reading: 0.0 cps
 Calibrator Reading: 1.6 cps

 Sensitivity: 0.6000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1305-096
 Tool Model: P_RBT_2750

 Calibration Casing Diameter: 5.500 in
 Calibration Depth: 31.479 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.732	0.800	71.921	97.233	0.704
CAL	0.826	0.826				
5'	0.001	0.643	0.800	71.921	110.825	0.673
SUM						
S1	-0.003	0.741	0.000	100.000	134.371	0.395
S2	-0.000	0.725	0.000	100.000	137.842	0.034
S3	-0.001	0.710	0.000	100.000	140.637	0.104
S4	0.001	0.713	0.000	100.000	140.504	-0.182
S5	0.001	0.731	0.000	100.000	137.135	-0.187
S6	0.002	0.755	0.000	100.000	132.846	-0.234
S7	0.002	0.774	0.000	100.000	129.692	-0.317
S8	-0.000	0.772	0.000	100.000	129.478	0.013

Internal Reference Calibration, performed Tue Nov 08 12:17:54 2016:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.826	0.826	1.000	0.000

Air Zero Calibration, performed Tue Jun 13 07:43:11 2017:

	Raw (v)	Calibrated (v)	Results
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	Zero	Zero	Offset
3'	0.004	0.000	0.000
5'	0.005	0.000	0.001
SUM			
S1	-0.000	0.000	-0.001
S2	0.004	0.000	-0.001
S3	0.004	0.000	-0.000
S4	0.004	0.000	0.000
S5	0.004	0.000	0.000
S6	0.005	0.000	0.000
S7	0.005	0.000	0.001
S8	0.005	0.000	-0.001

	Company	Kerr-McGee Oil & Gas Onshore, L.P.
	Well	Chica 4N2-23HZ
	Field	Wattenberg
	County	Weld
	State	Colorado