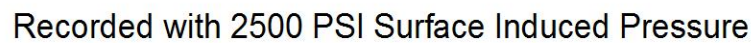




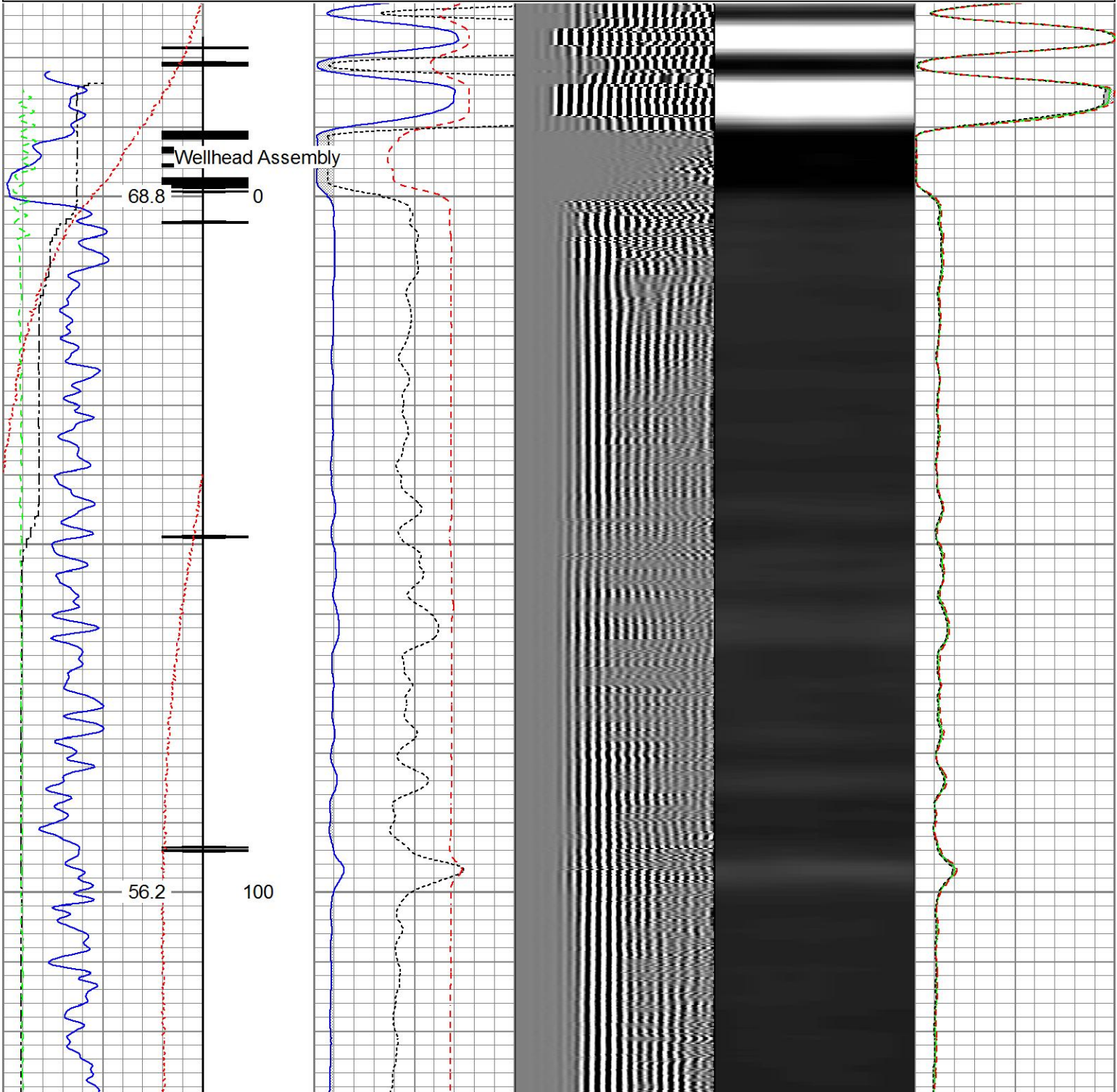
Other Services	
JB/GR	
RBP	
Elevation	
K.B. 4749'	
D.F. 4748'	
G.L. 4724'	

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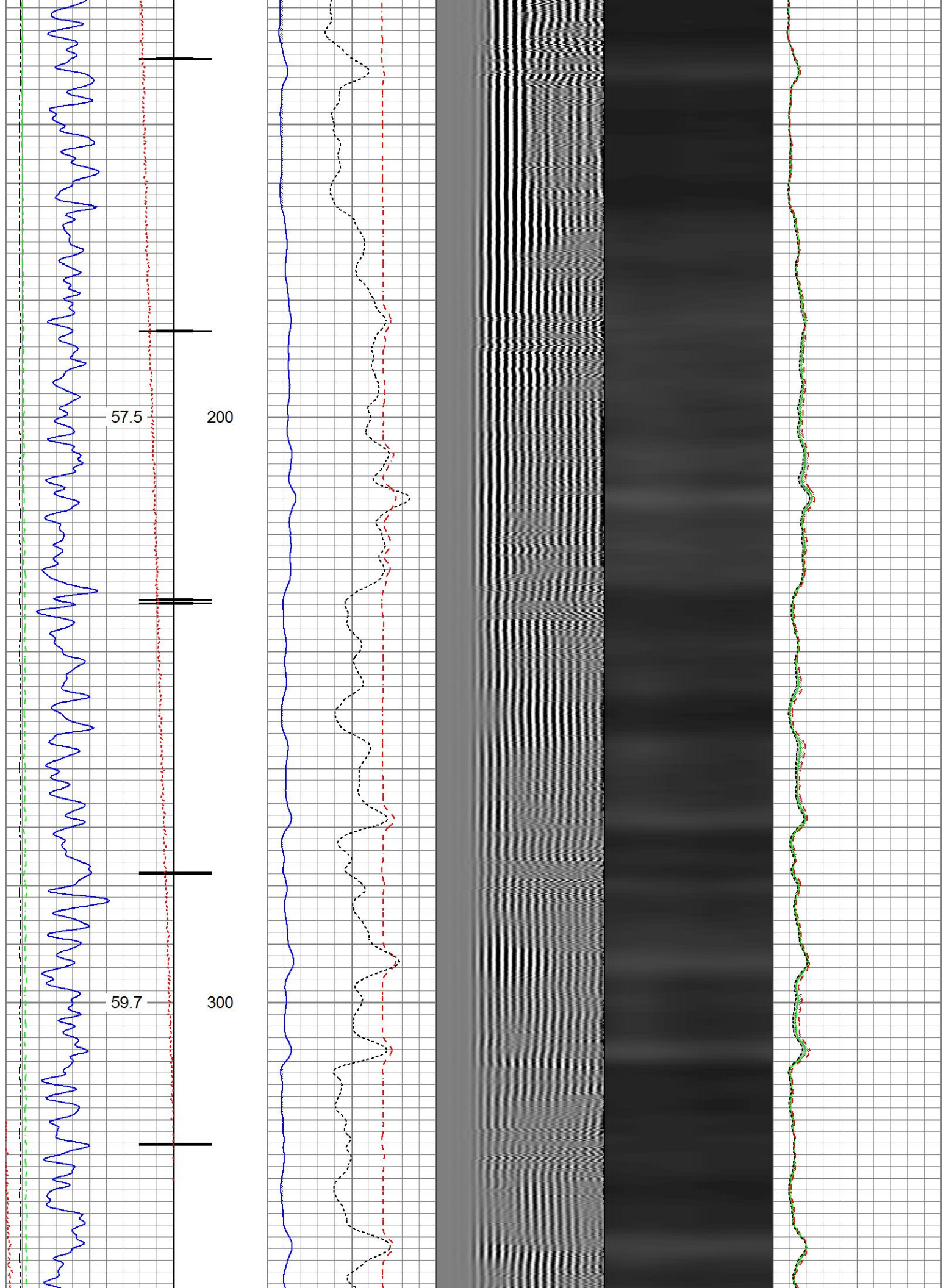
Thank you for choosing Reliance Oilfield Services, LLC!!

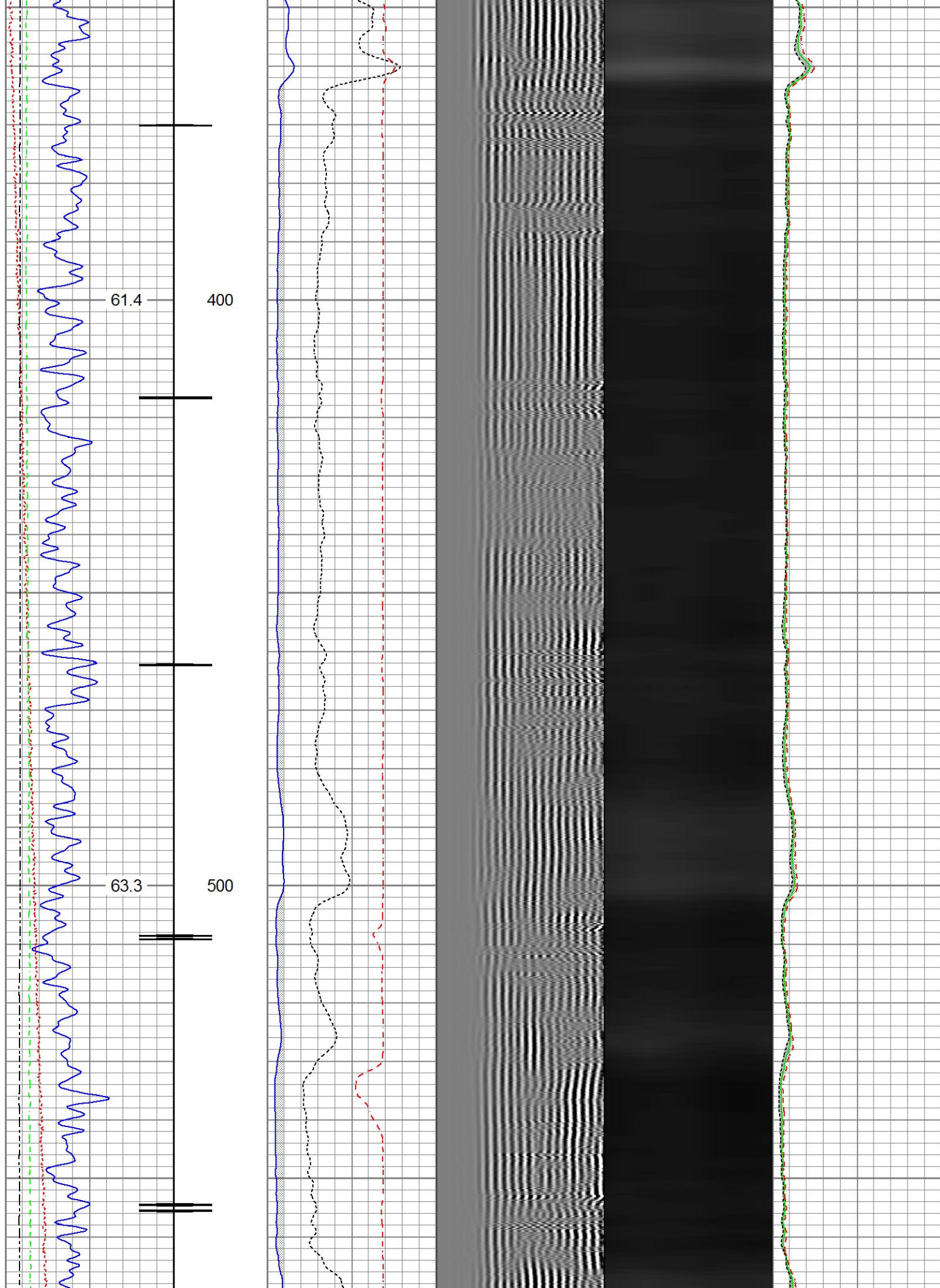


Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120		0 (mV) 100	200 1200		0 100
Casing Collar Locator		3' Amplitude x 5			Minimum Amplitude
Temperature		0 (mV) 20			0 100
0 (degF) 20		3' Travel Time			Maximum Amplitude
Line Speed		650 (usec) 150			0 100
-150 (ft/min)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

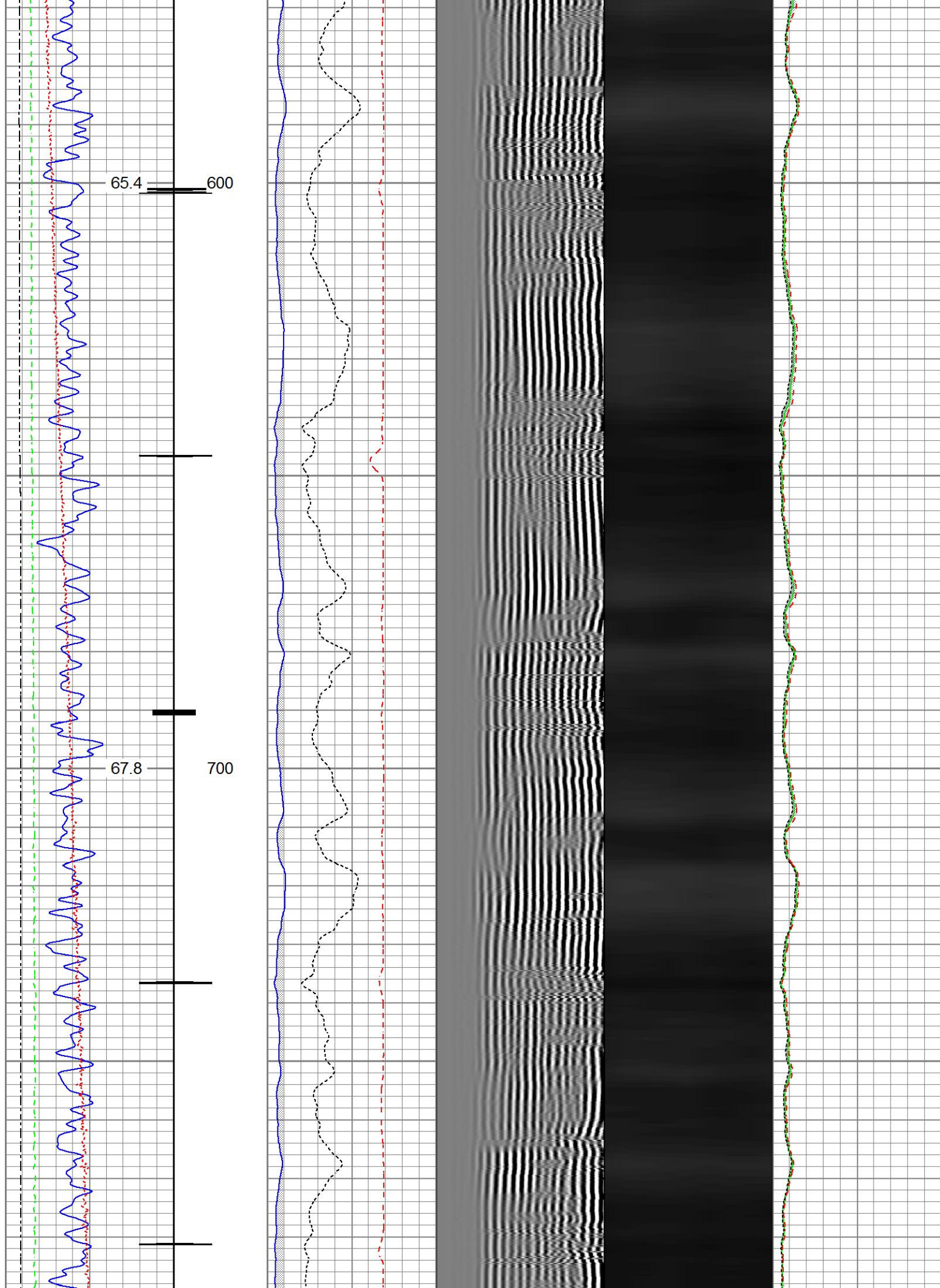


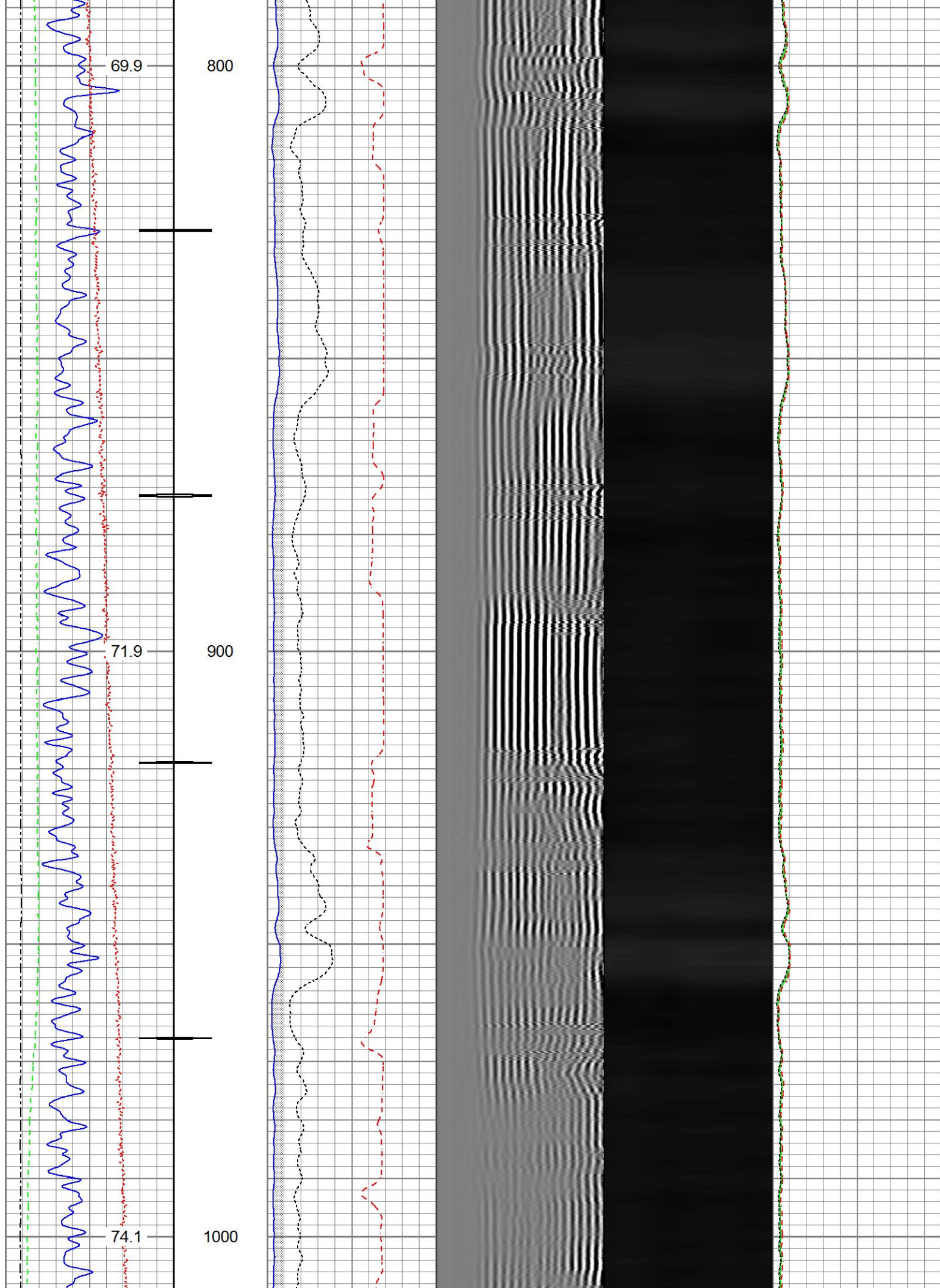




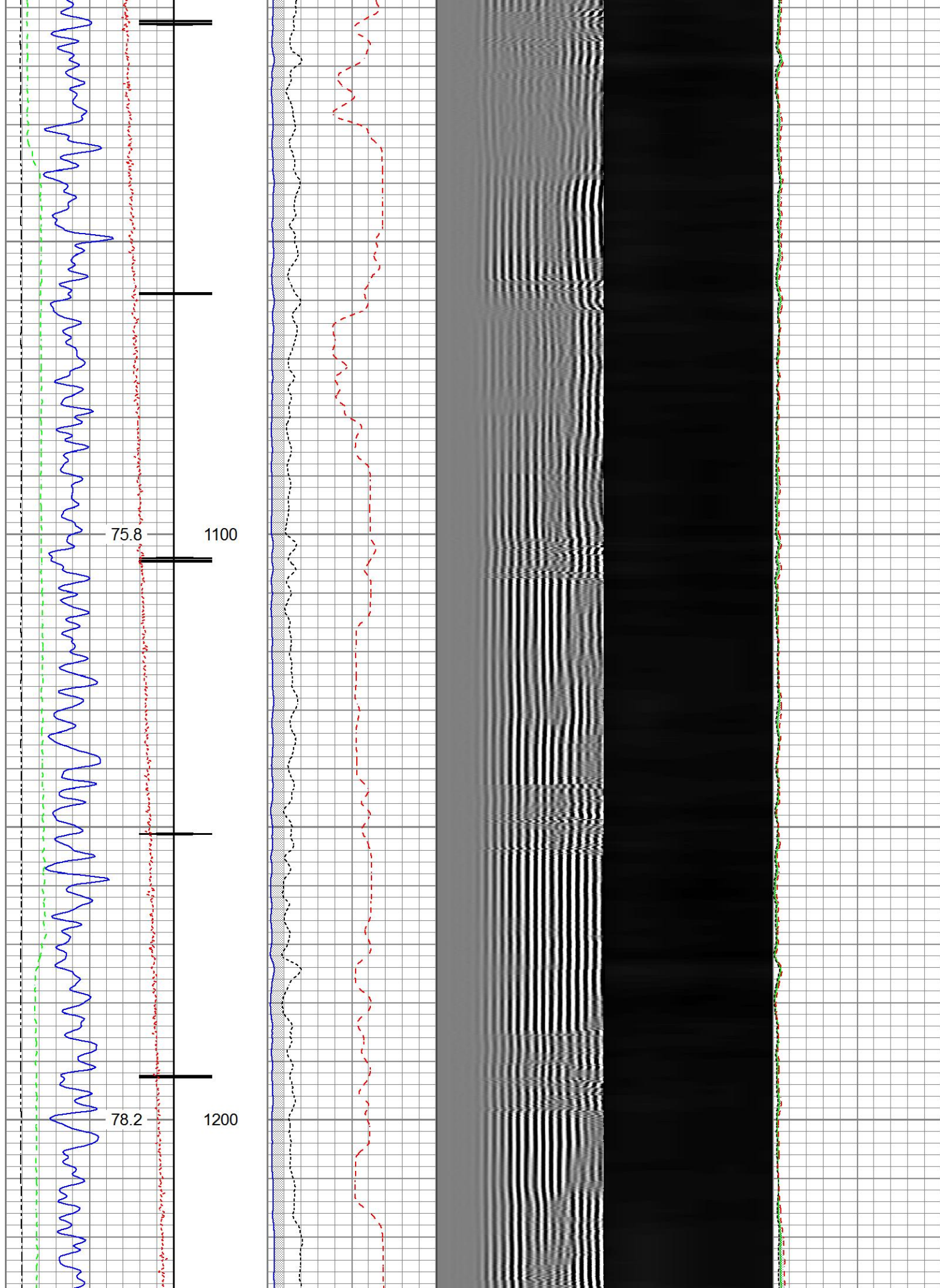


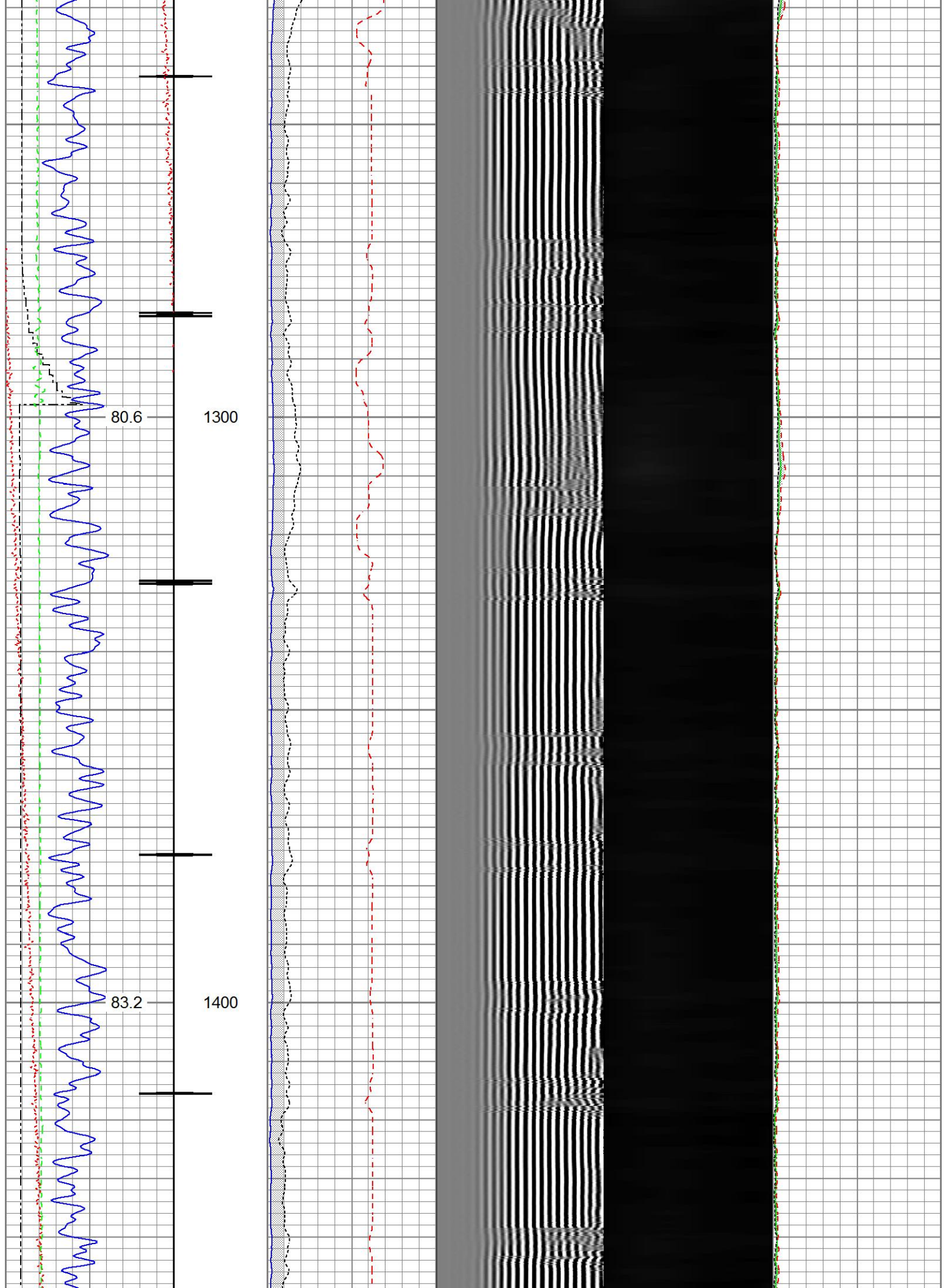




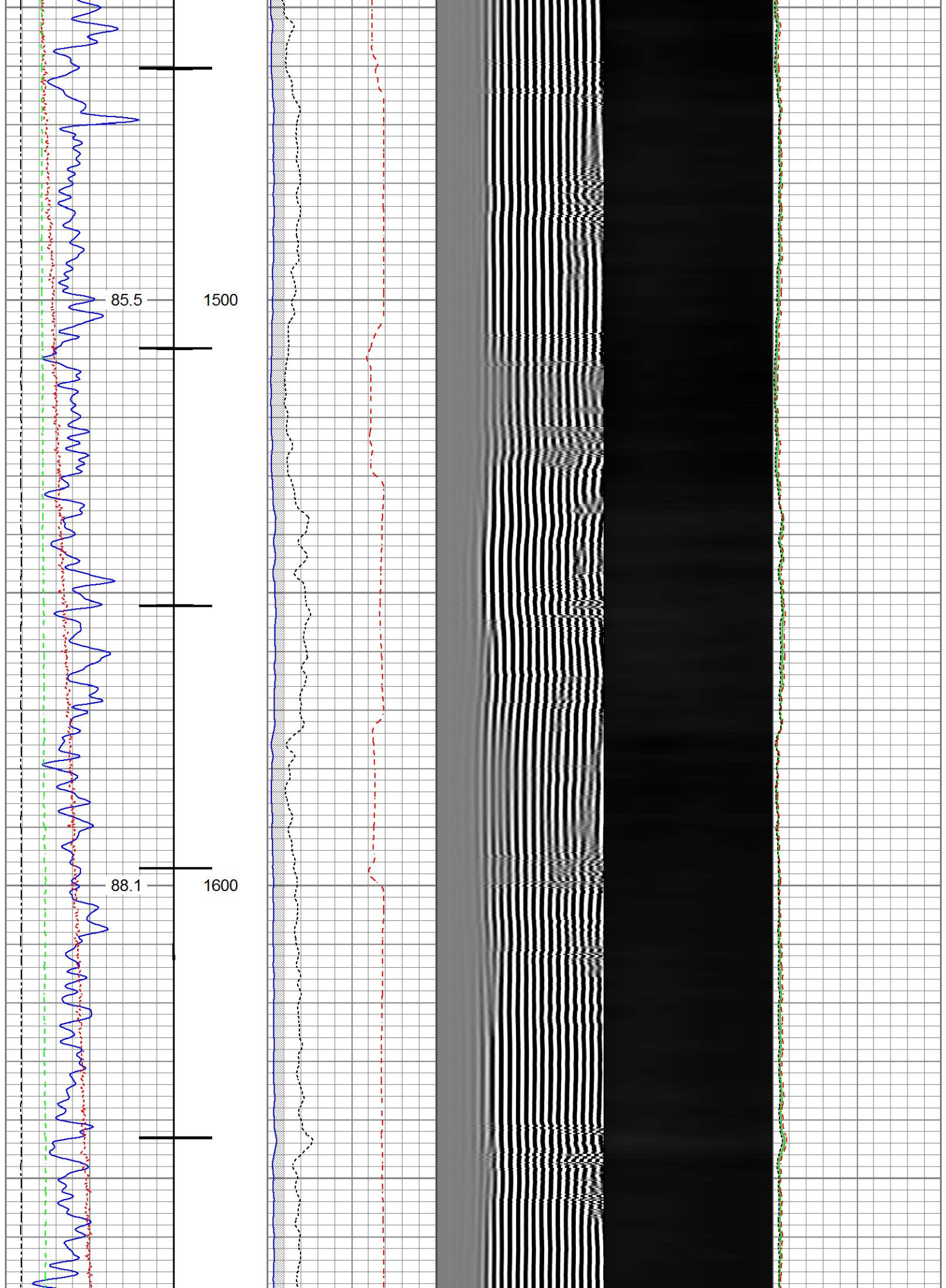


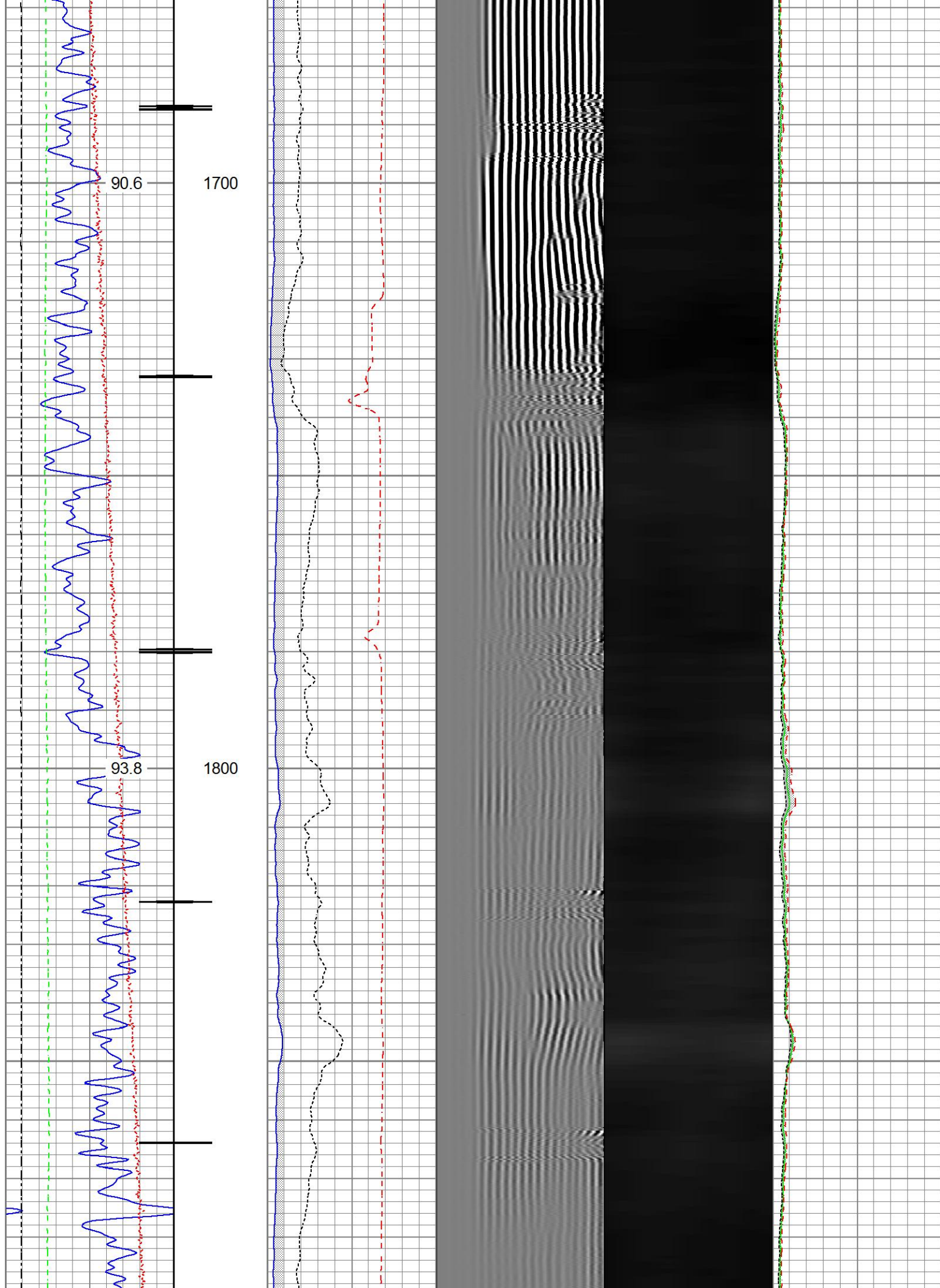




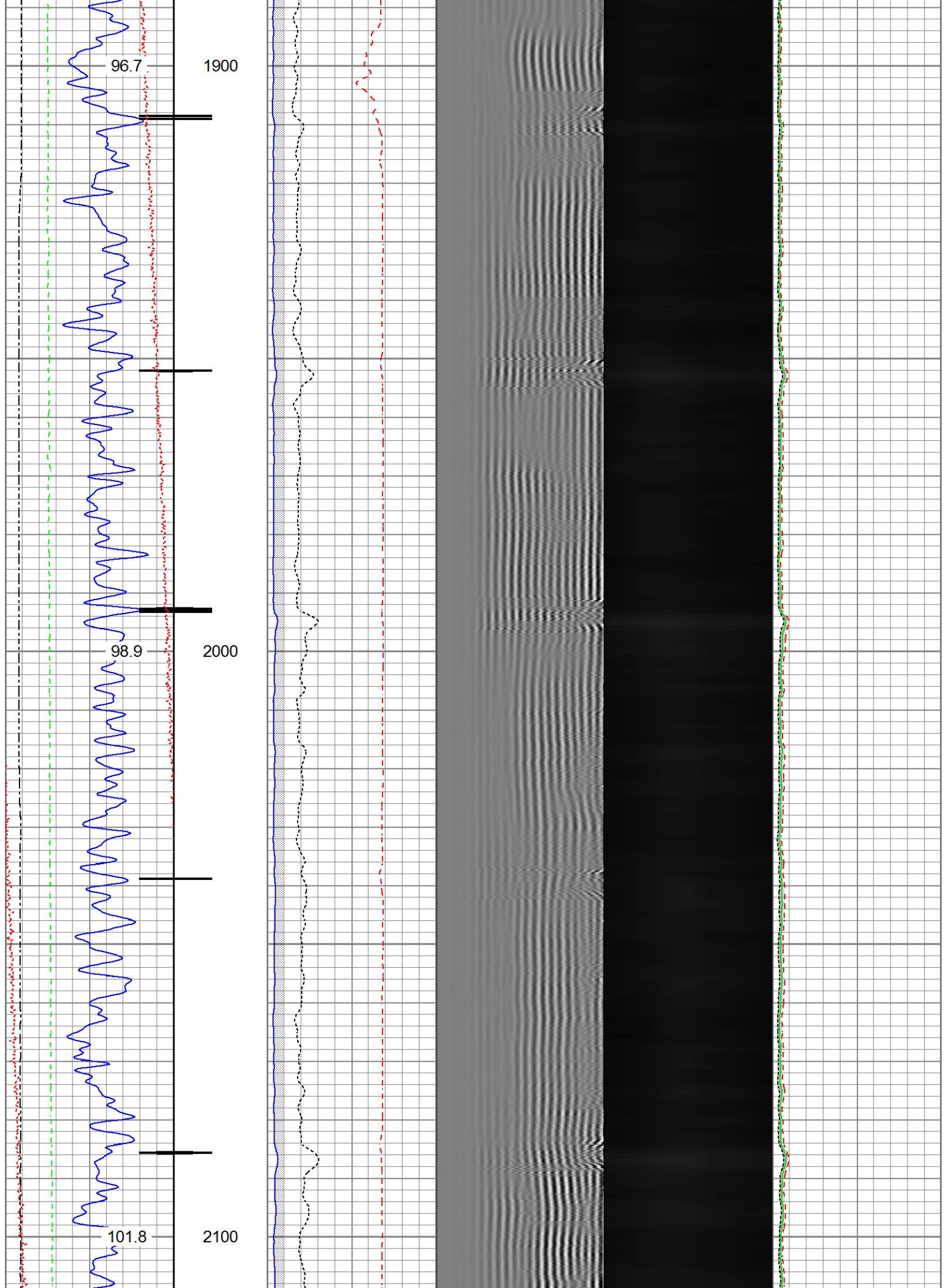


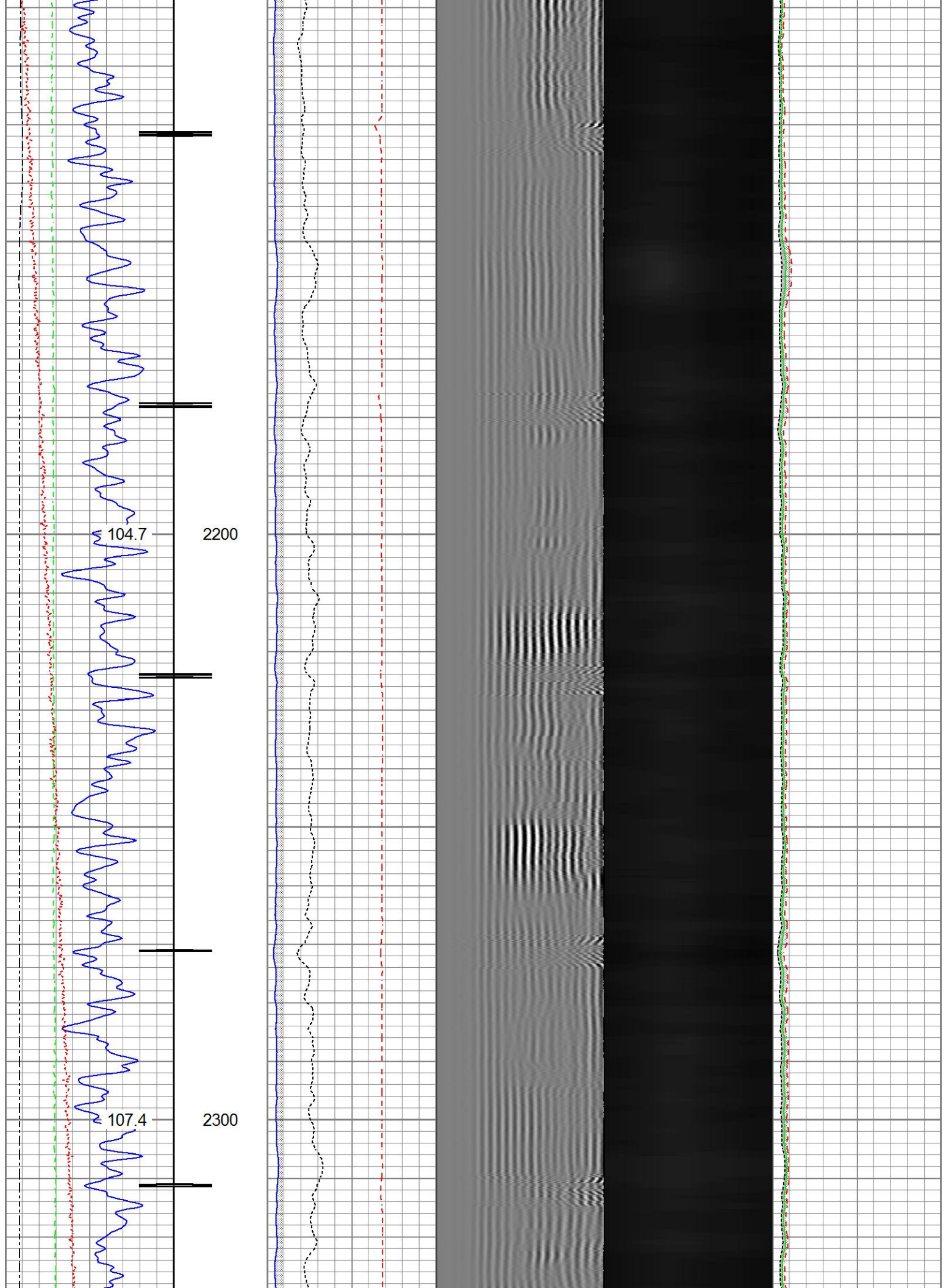




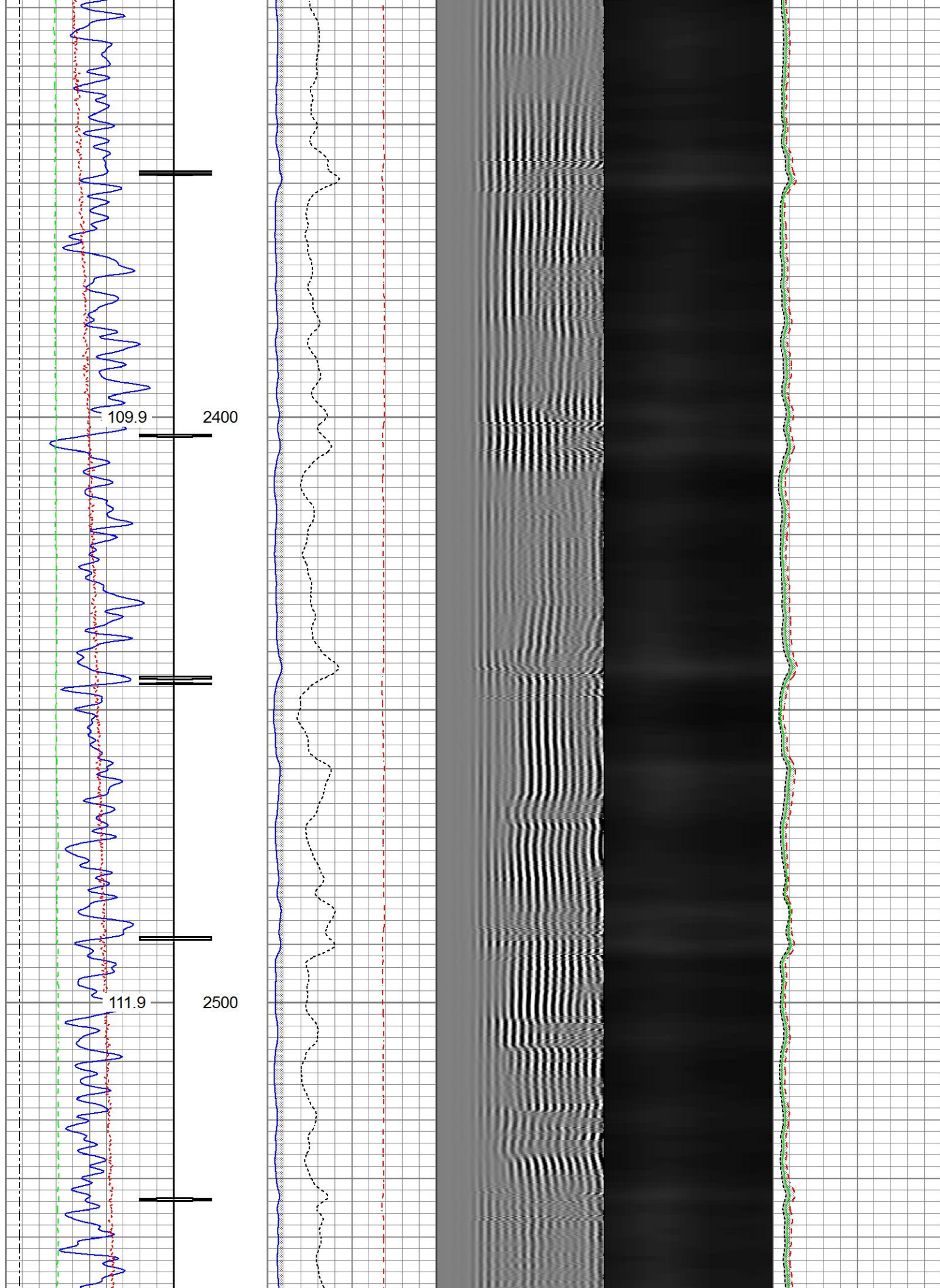


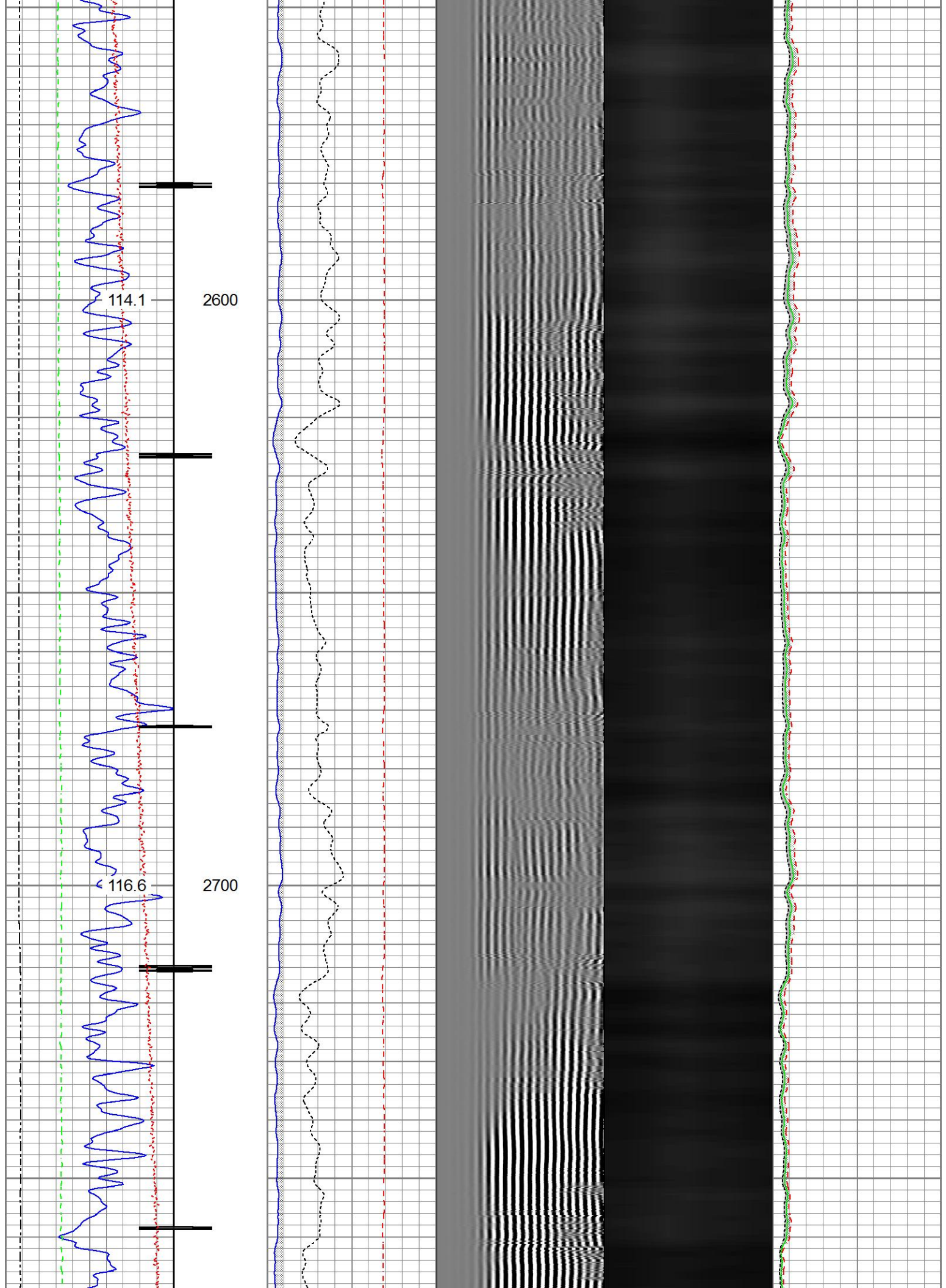




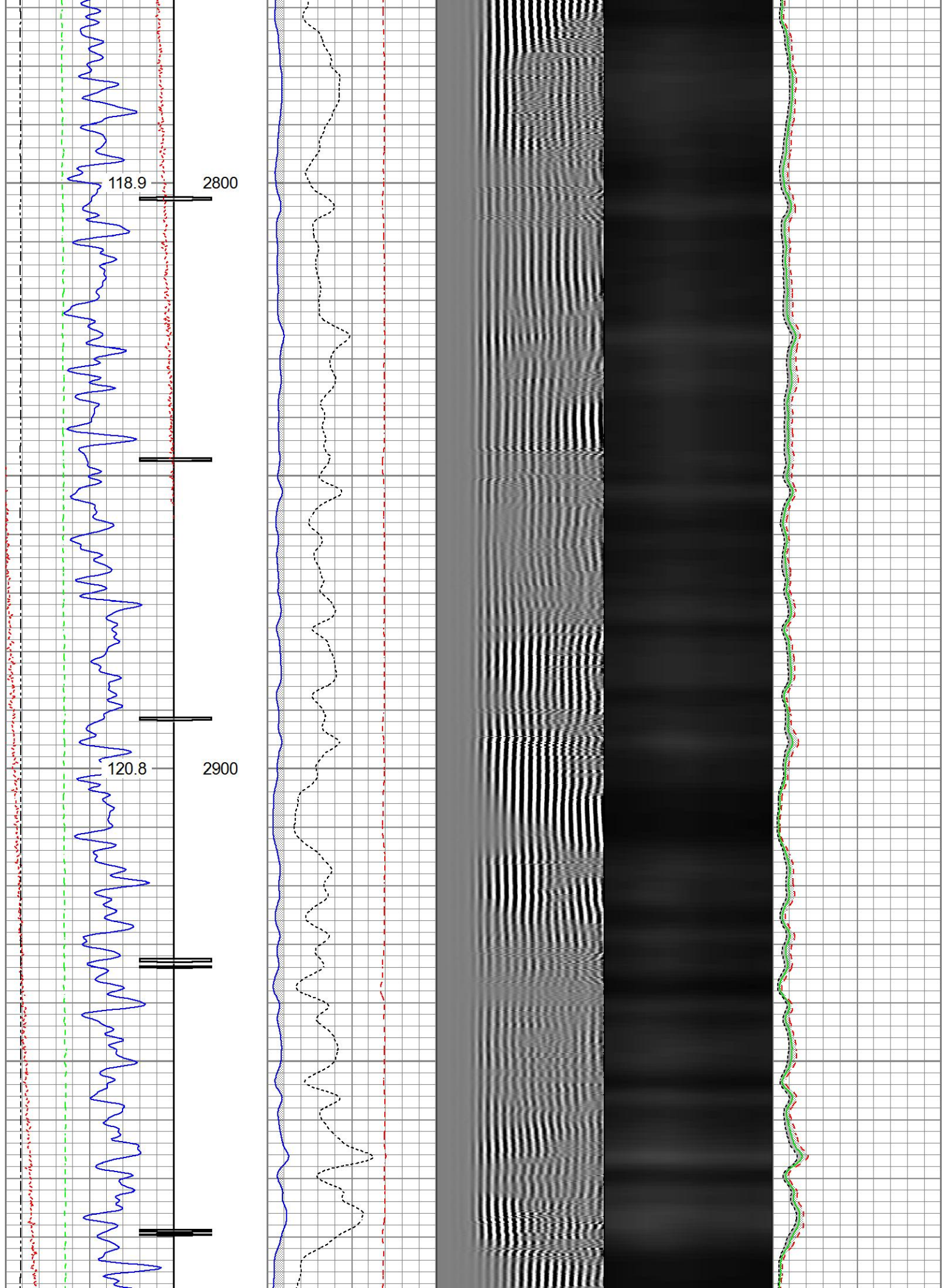


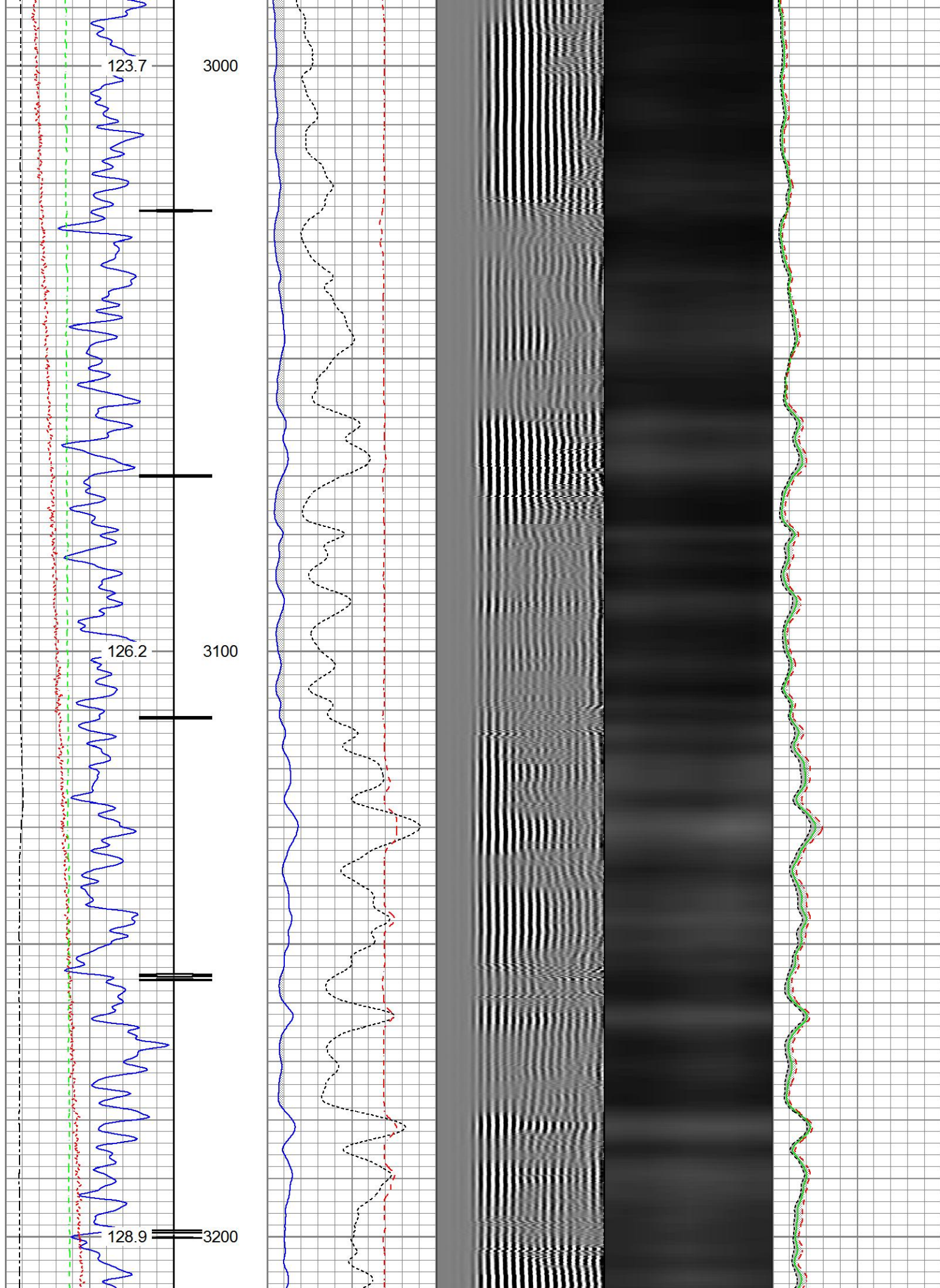




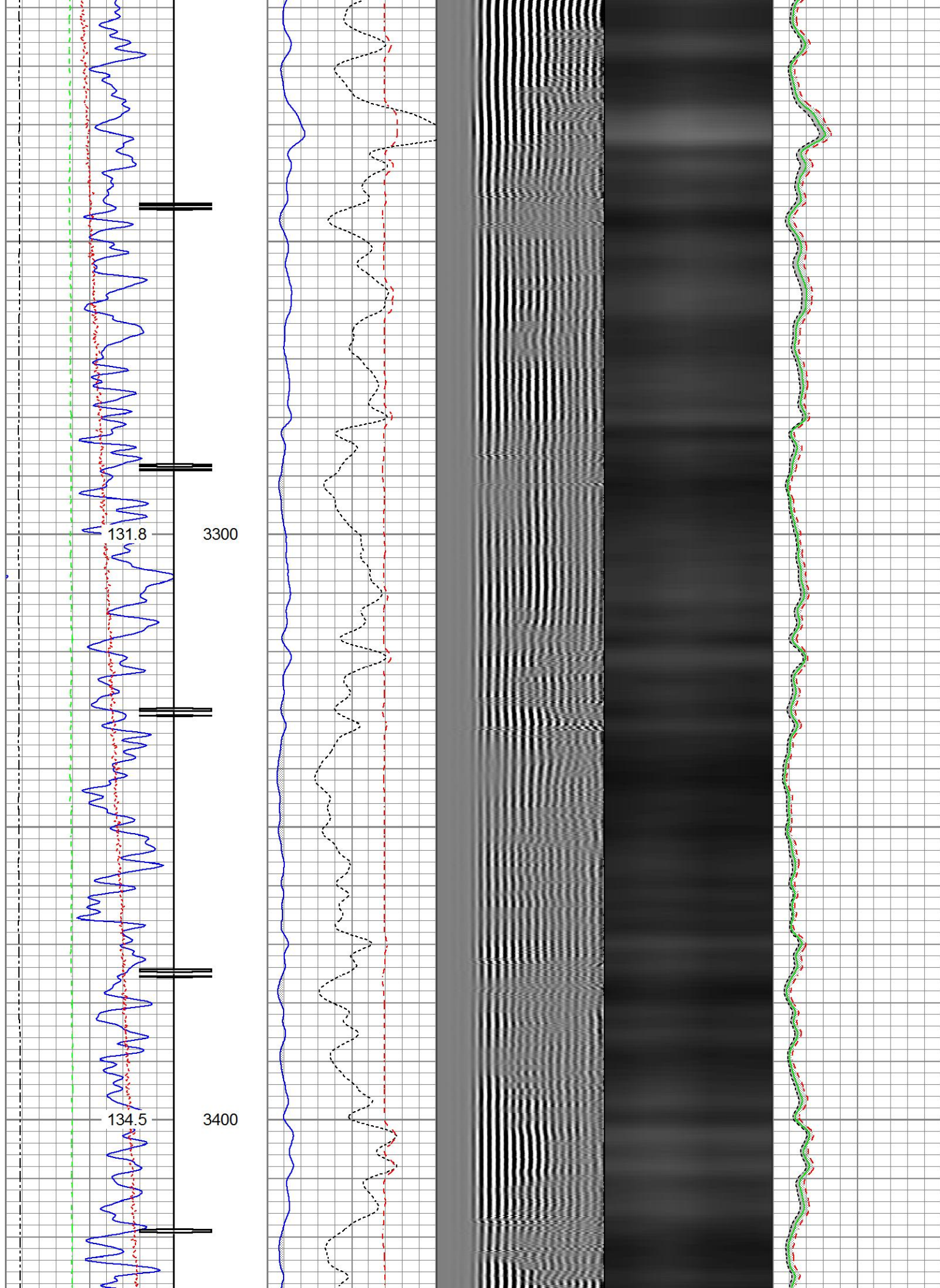


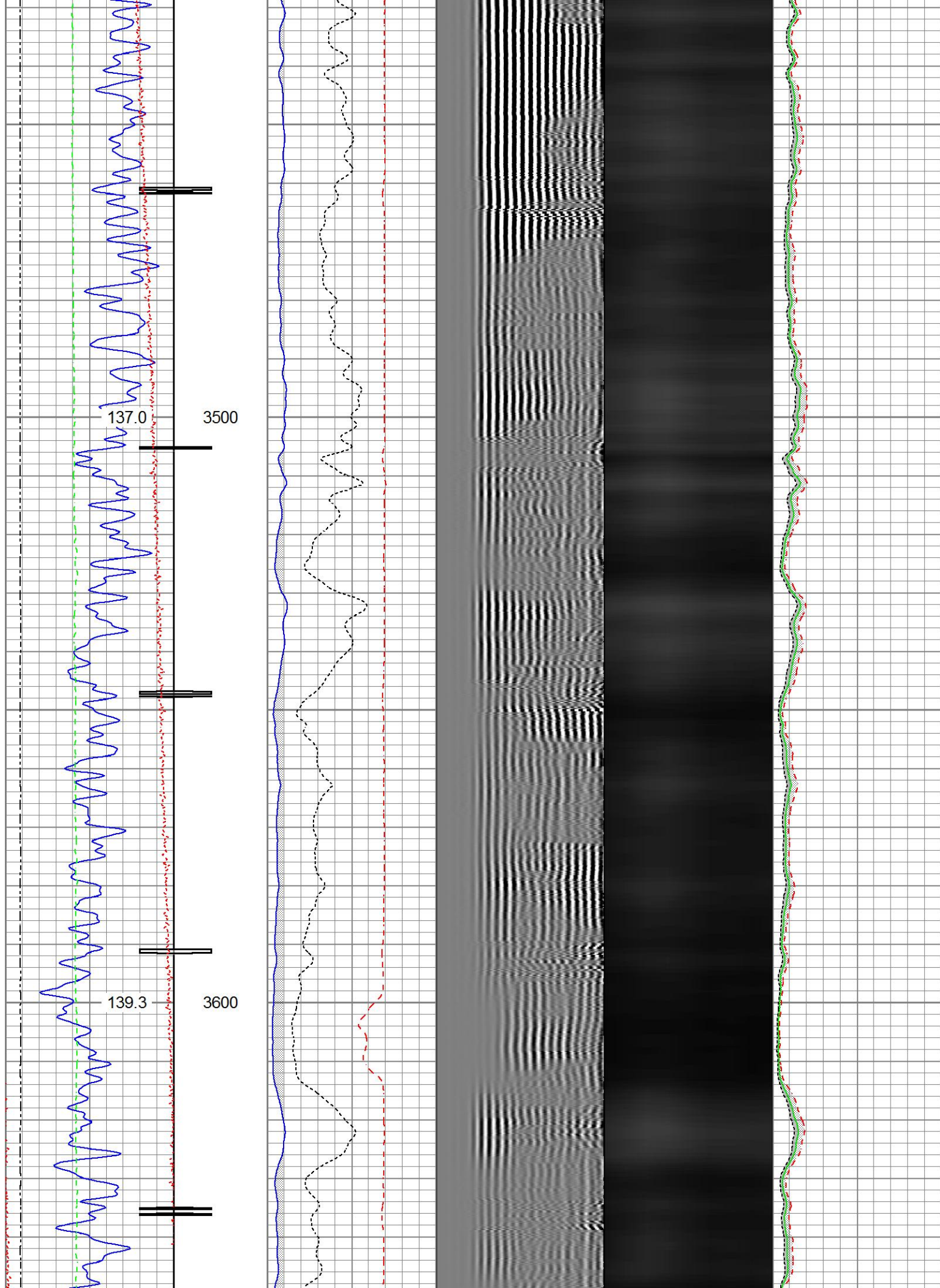




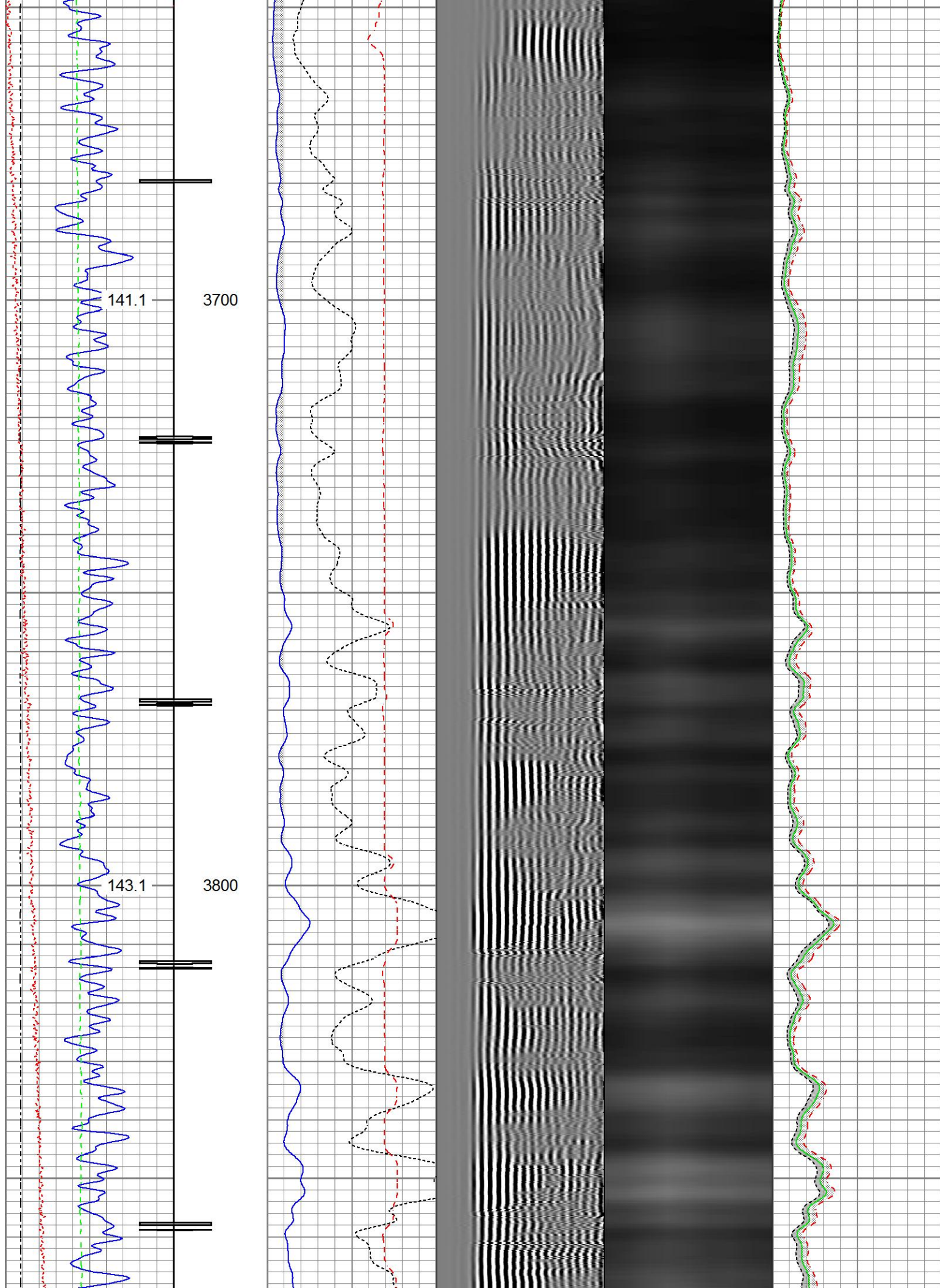


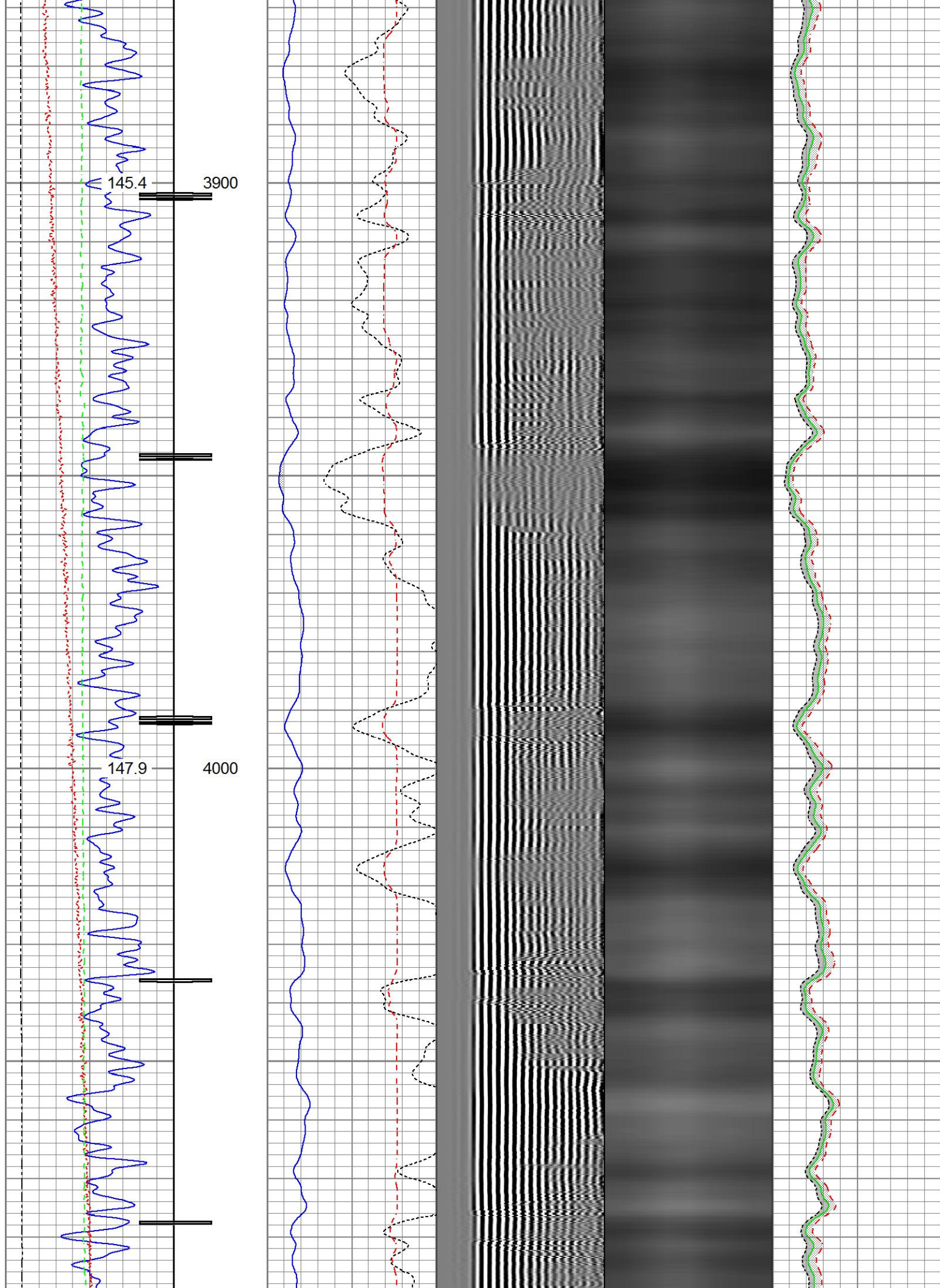




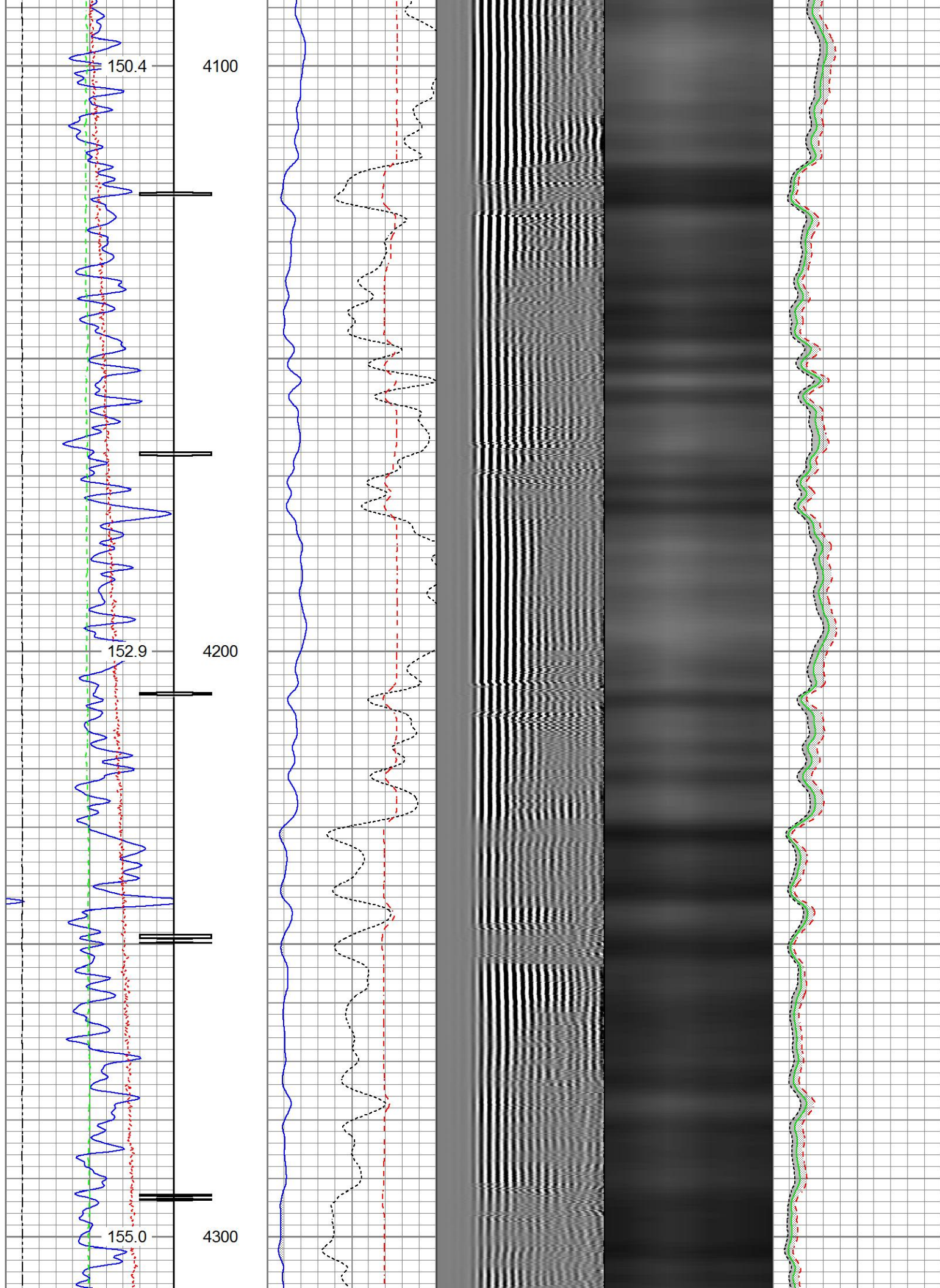


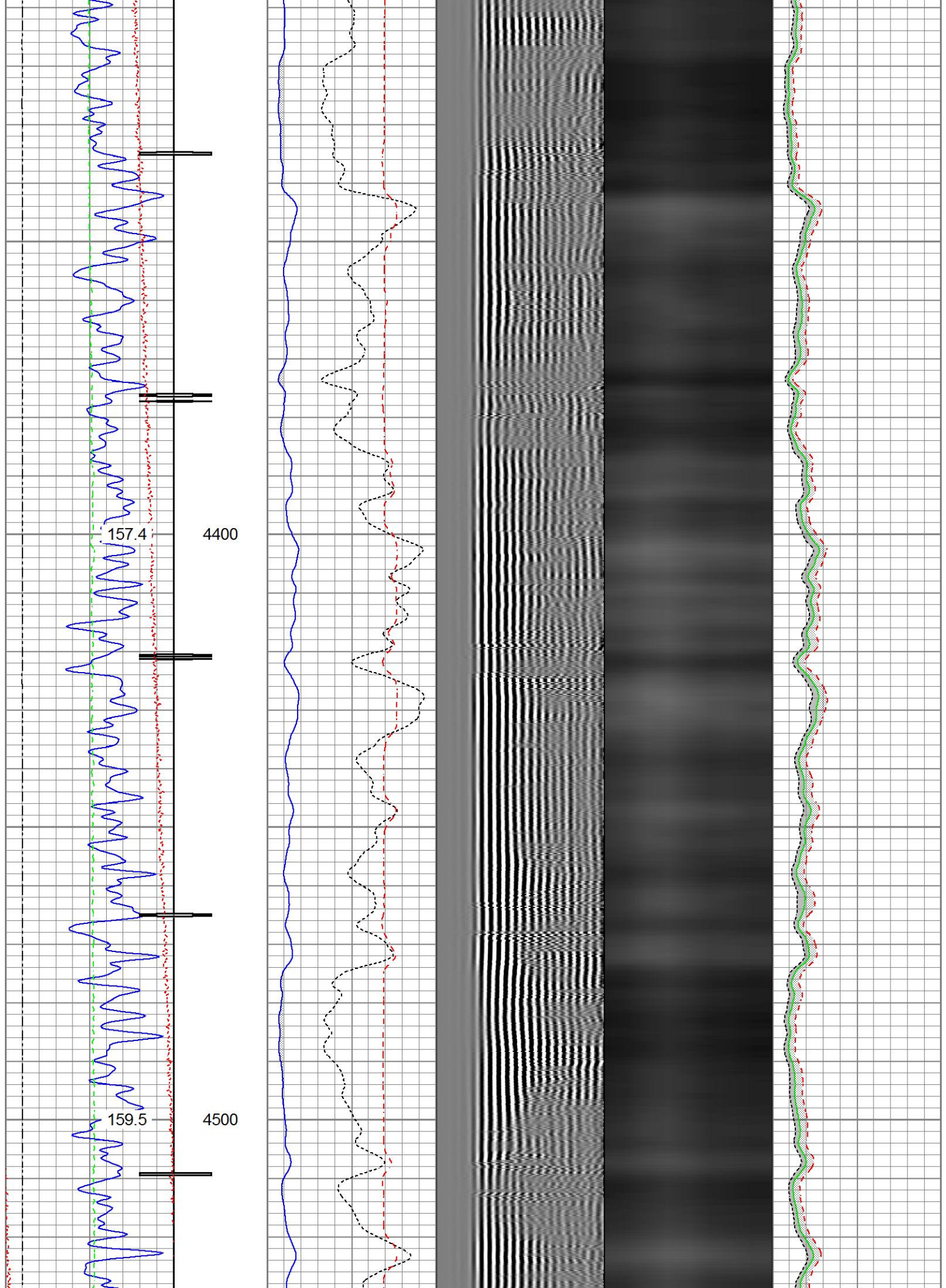




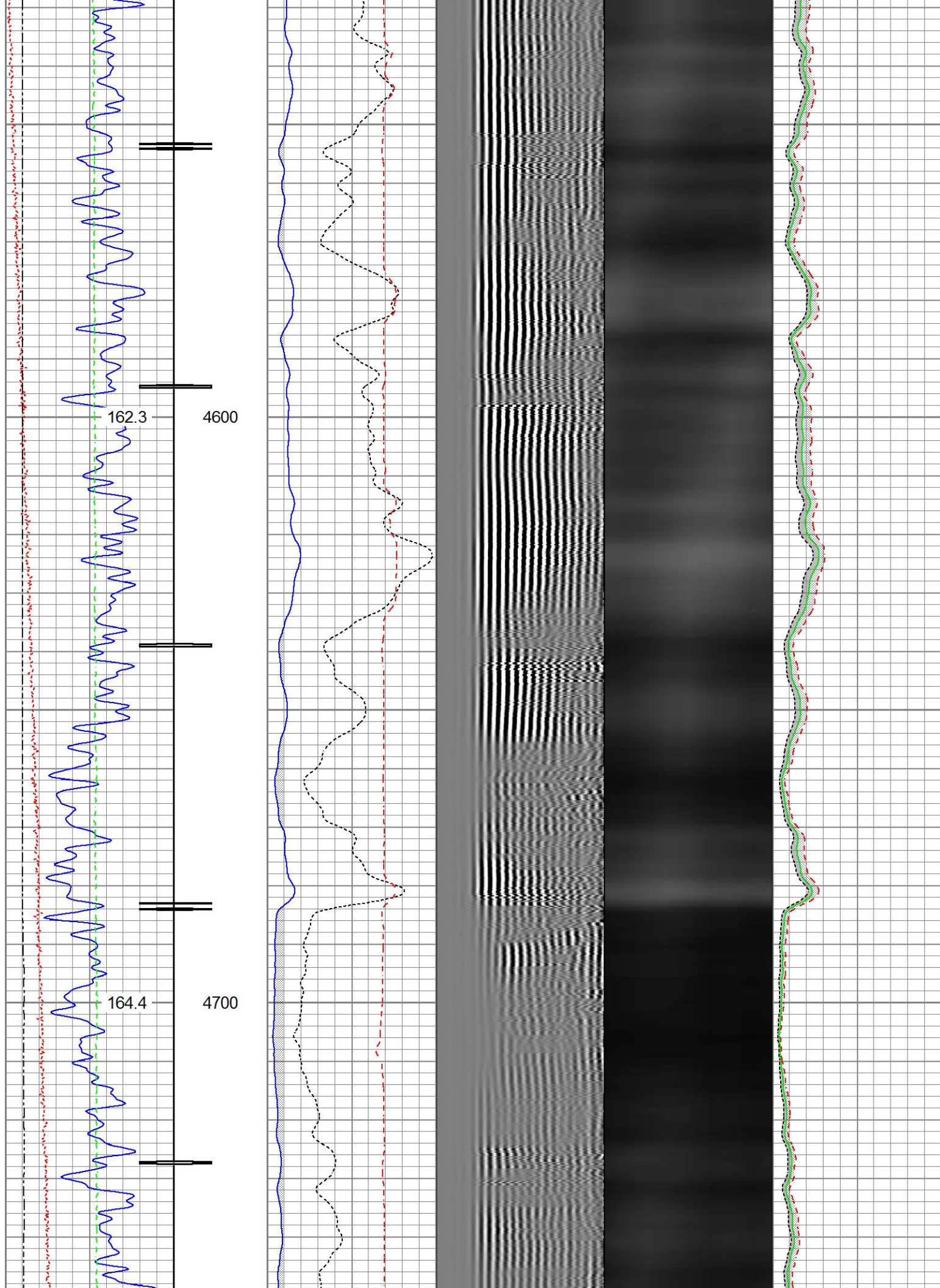


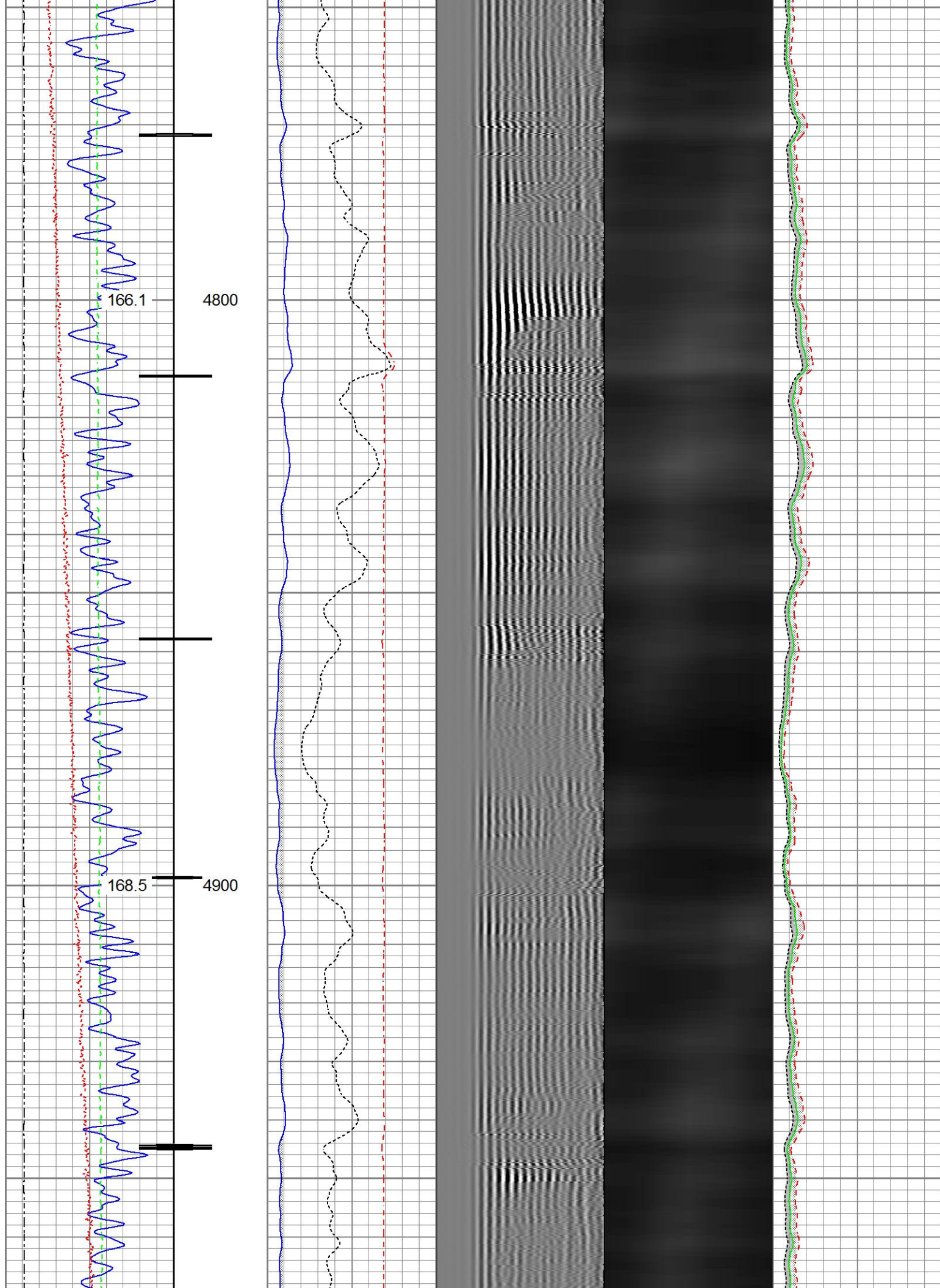




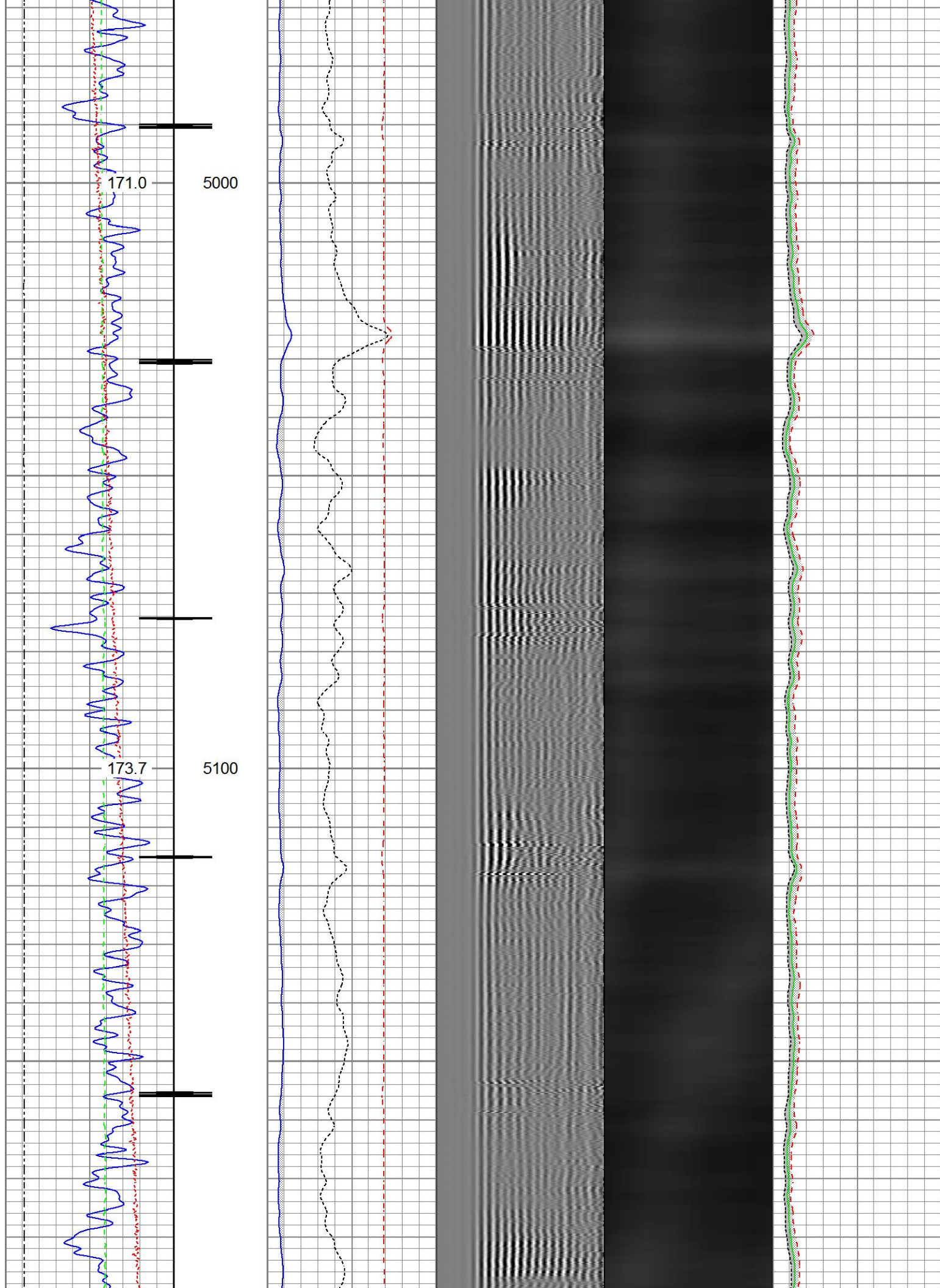


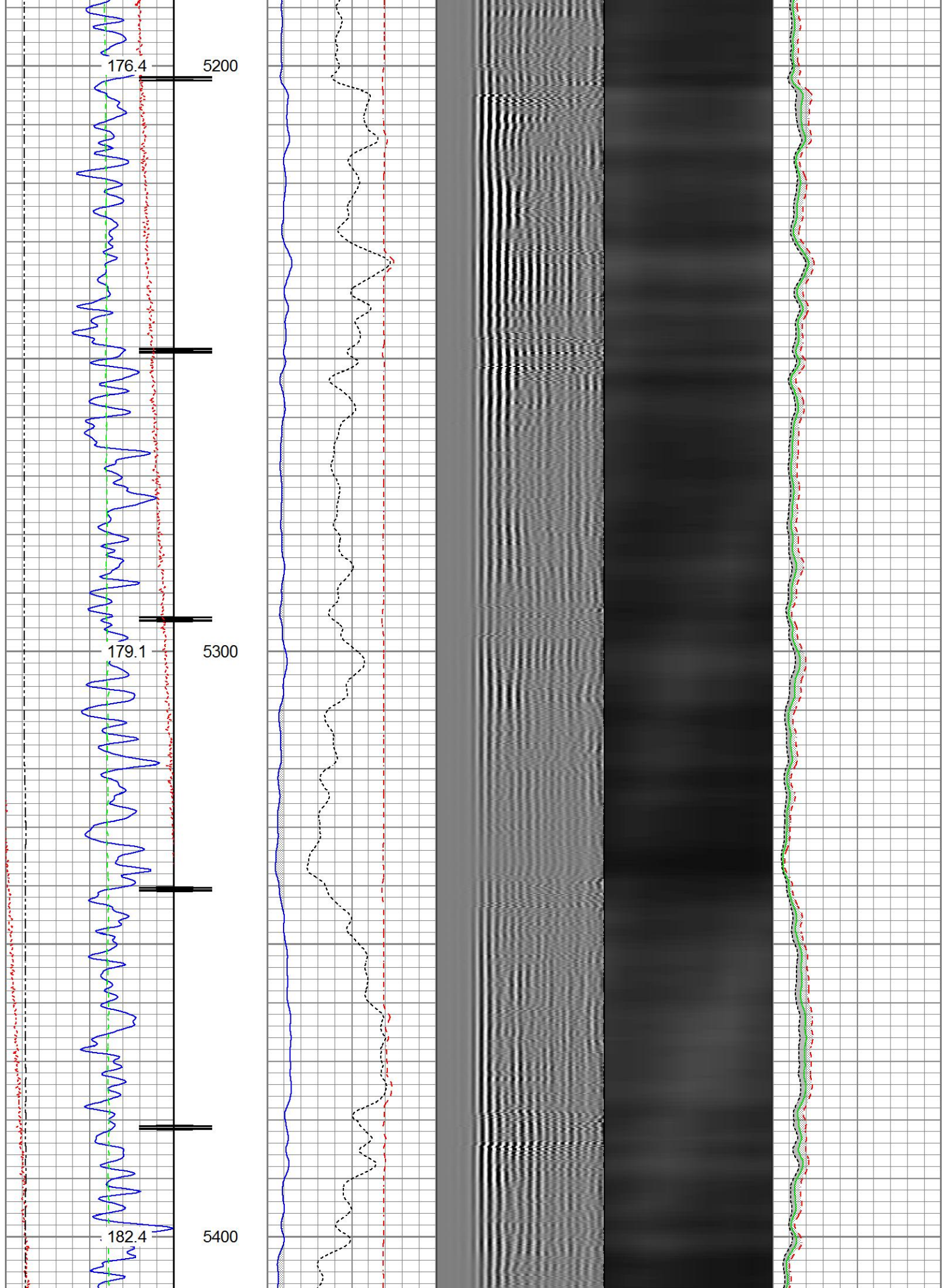




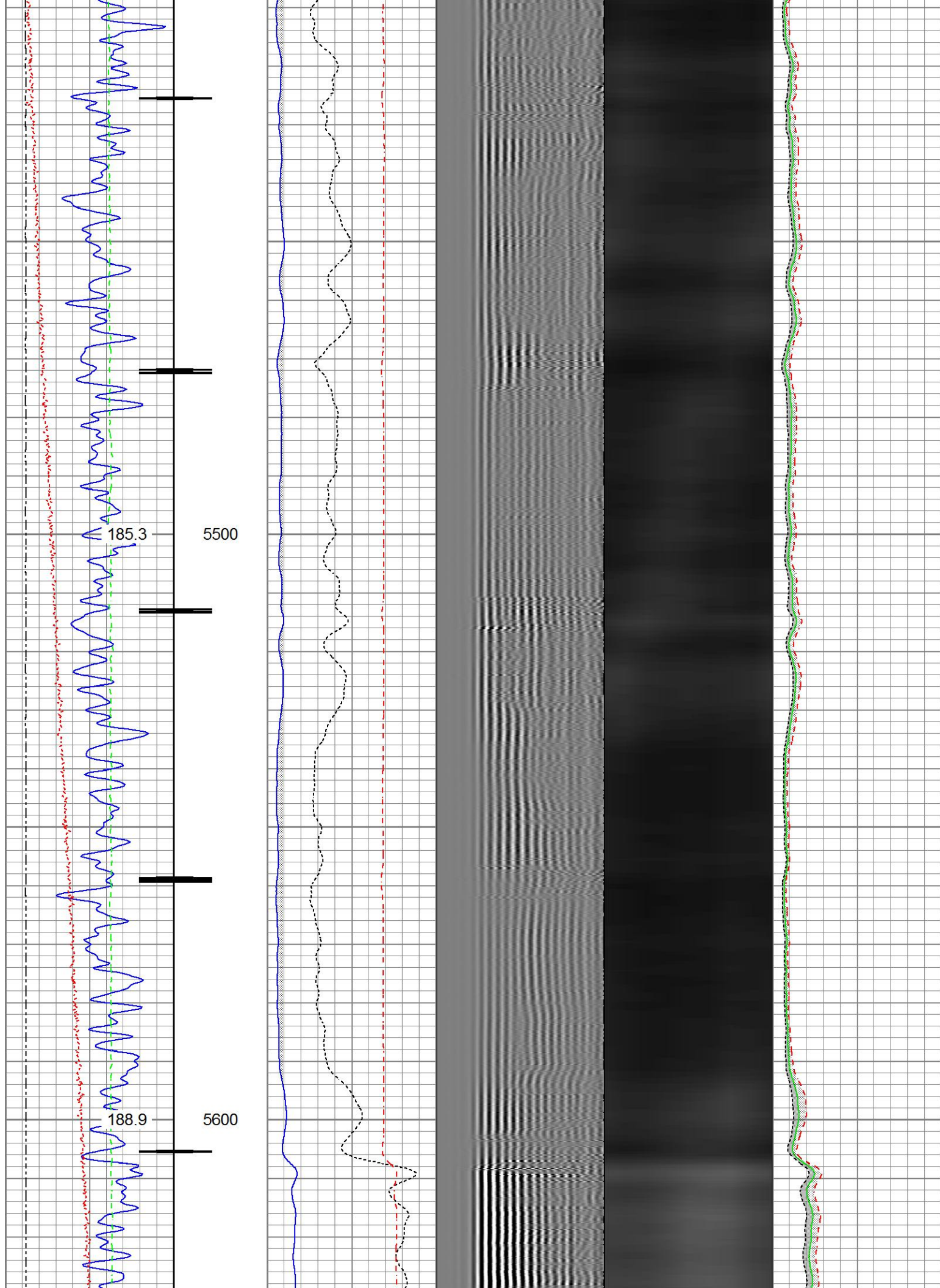


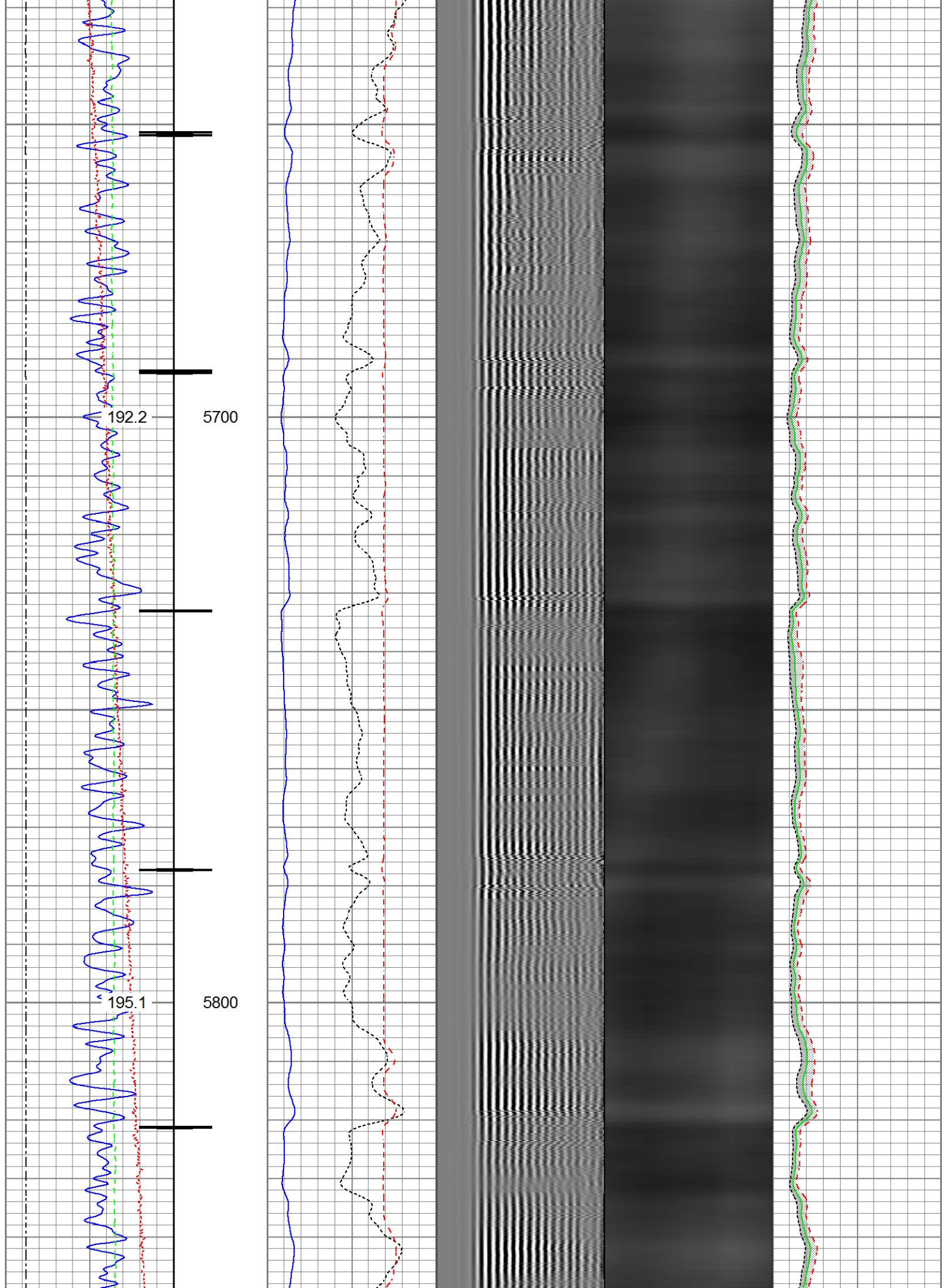




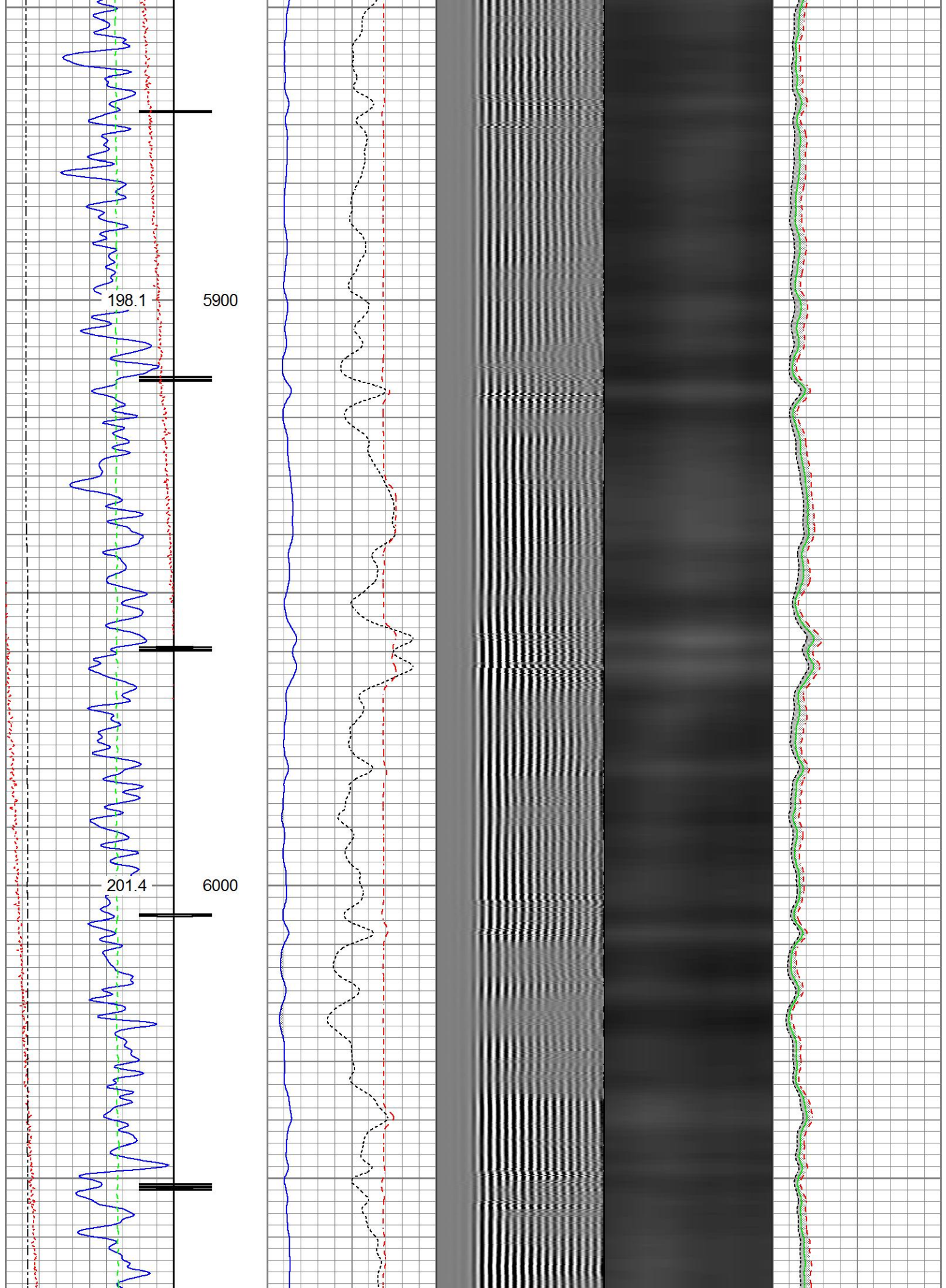


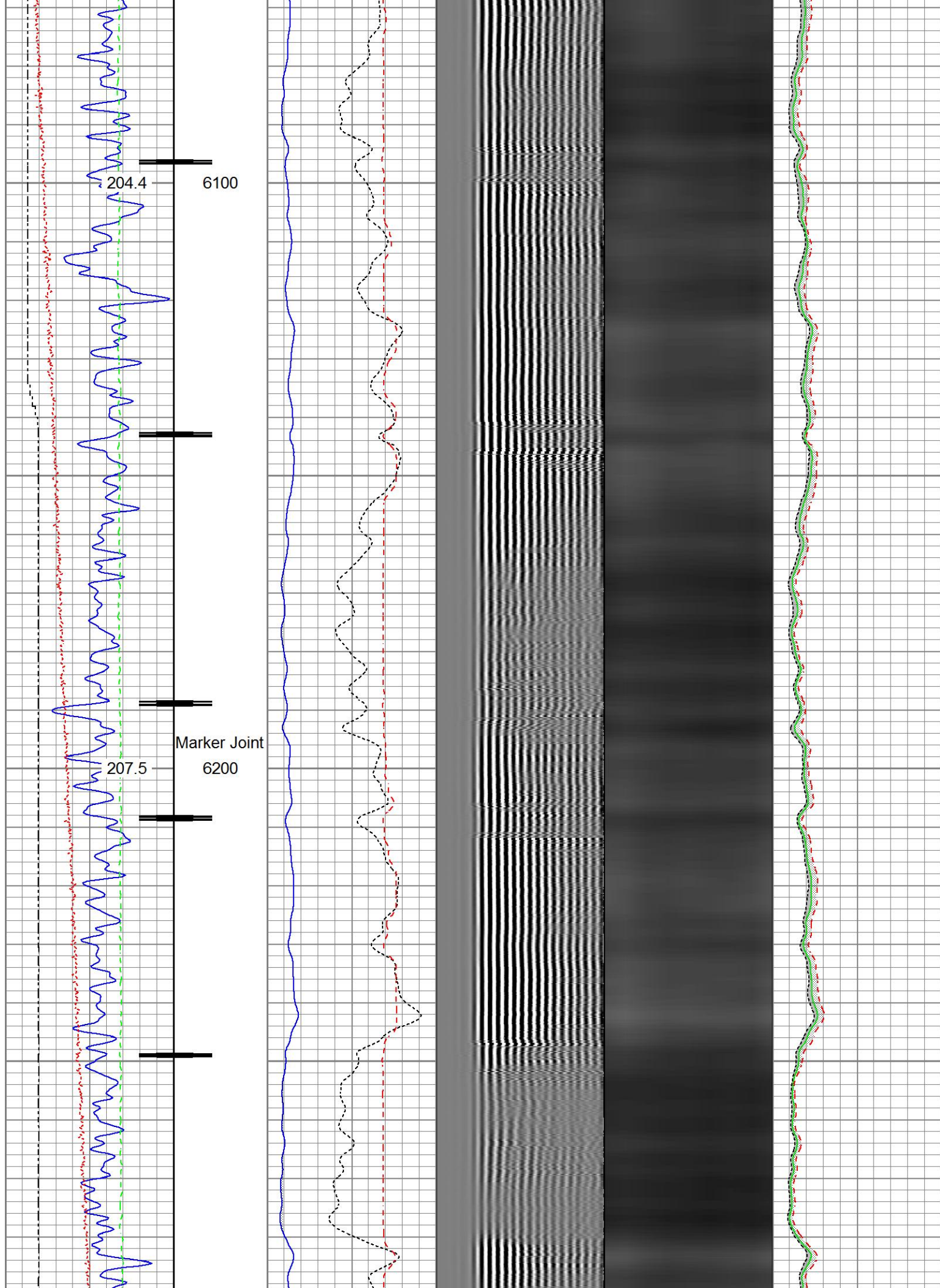




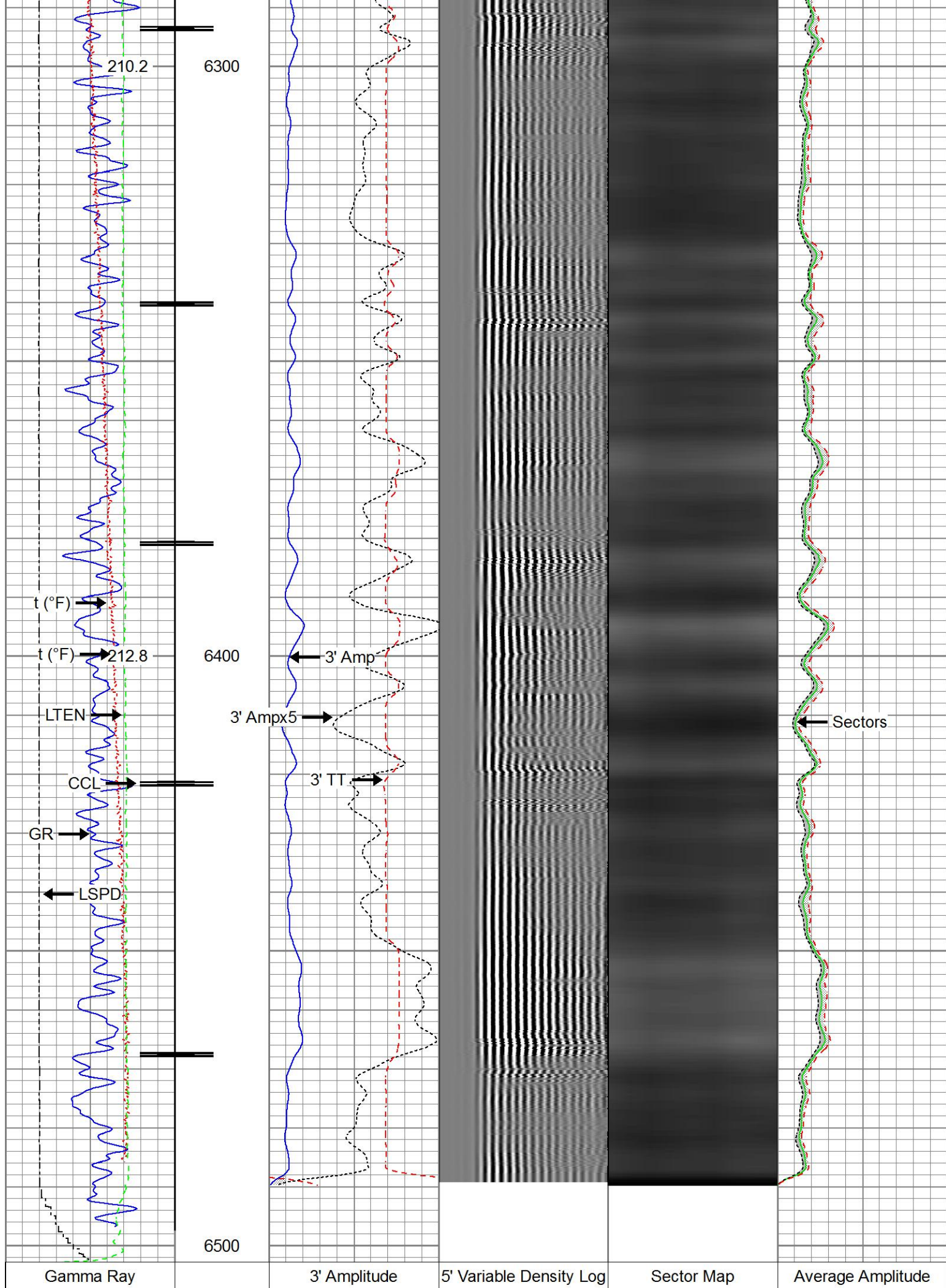












0 (GAPI) 120	0 (mV) 100 200	0 100
Casing Collar Locator	3' Amplitude x 5	Minimum Amplitude
Temperature	0 (mV) 20	0 100
0 (degF) 20	3' Travel Time	Maximum Amplitude
Line Speed	650 (usec) 150	0 100
-150 (ft/min) 150		
Line Tension		
0 (lb) 2000		

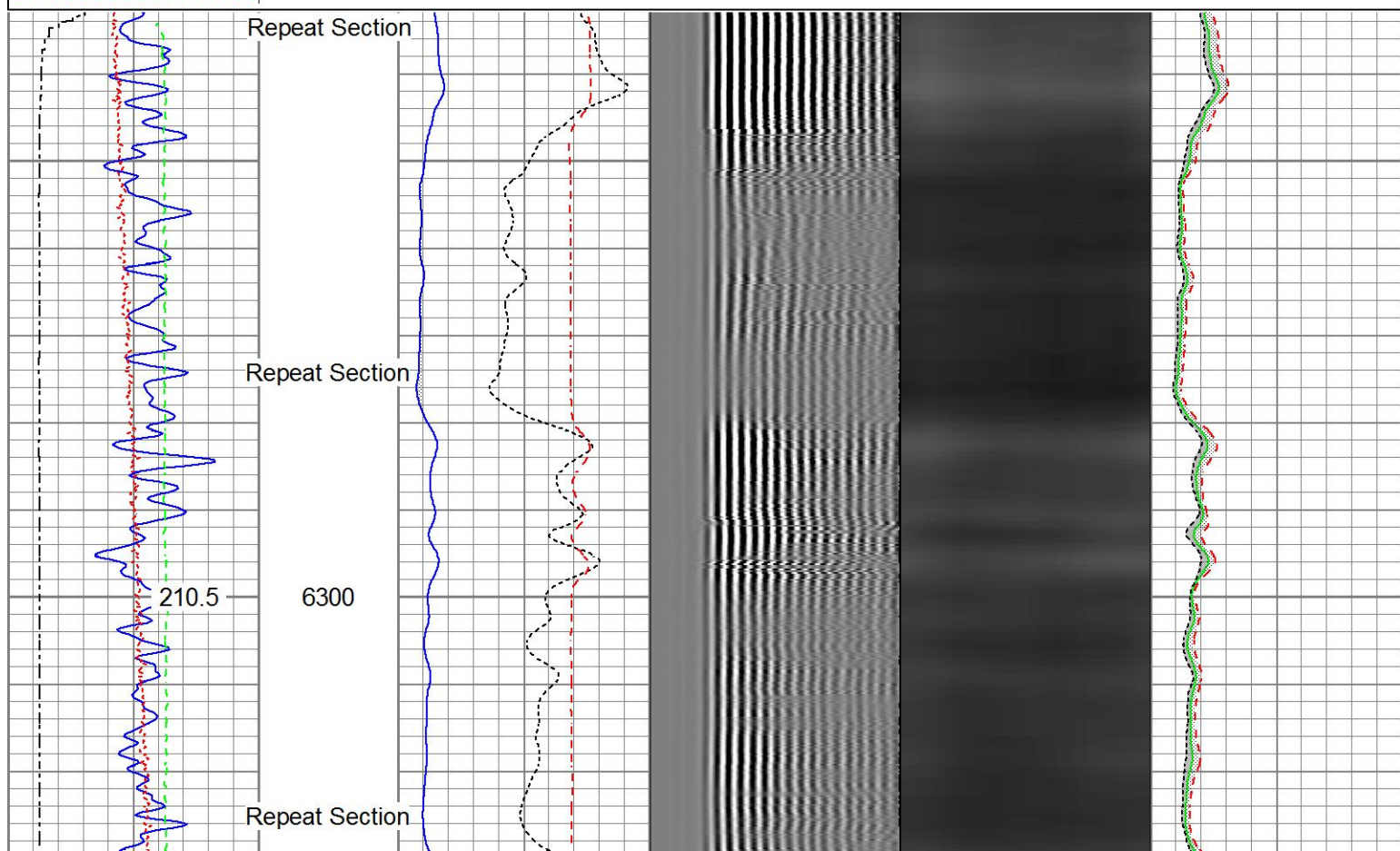


## Repeat Pass

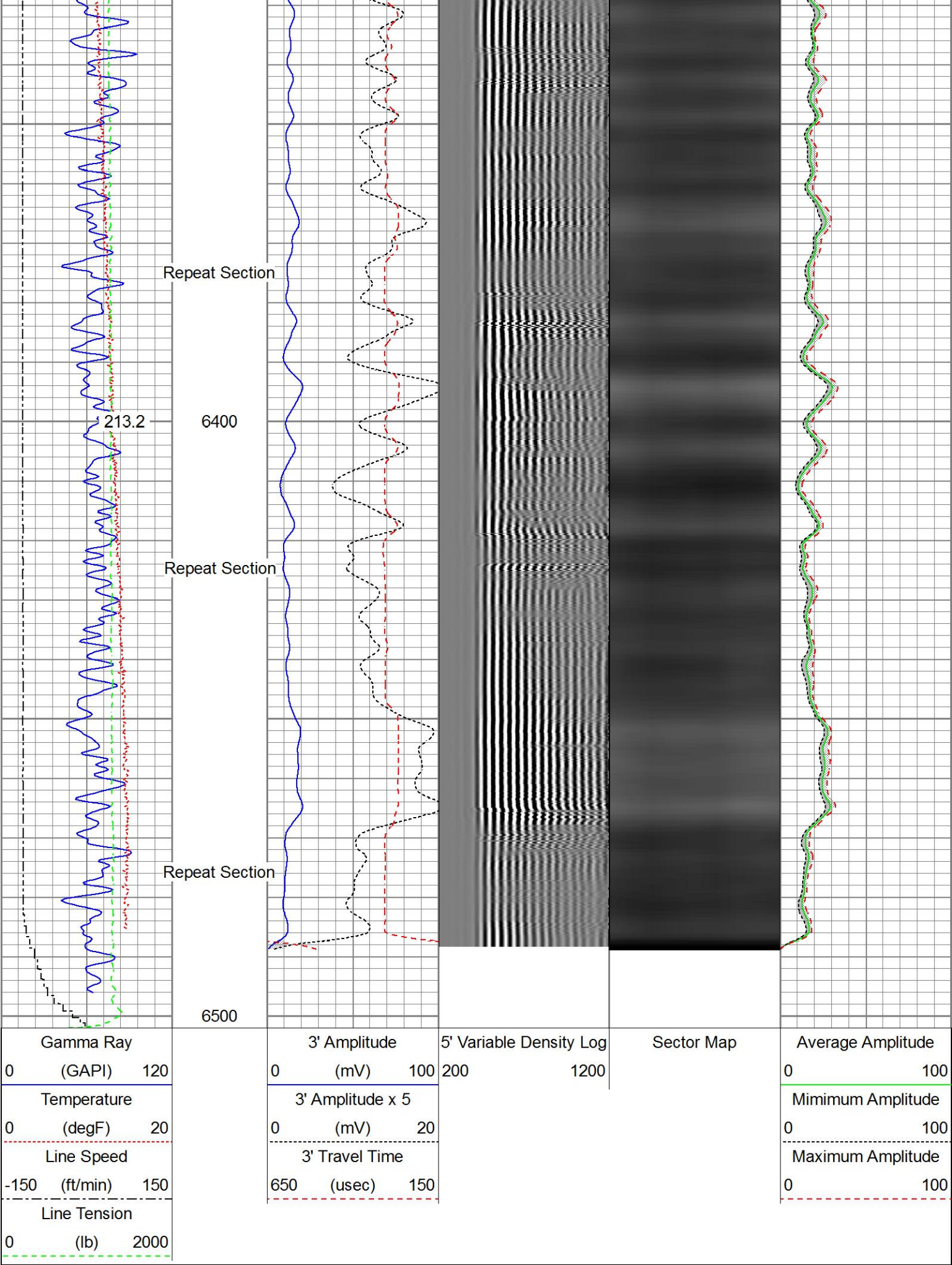
Recorded With 2500 PSI Surface Induced Pressure

Database File synergy\_orr state 15n-35b-m\synergy\_orr state 15n-35b-m\_04-16-17\_rbl.db  
Dataset Pathname Repeat.1  
Presentation Format ros\_radrii  
Dataset Creation Wed Apr 19 11:36:33 2017  
Charted by Depth in Feet scaled 1:240

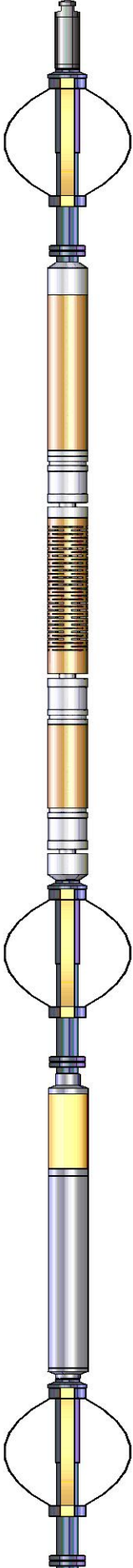
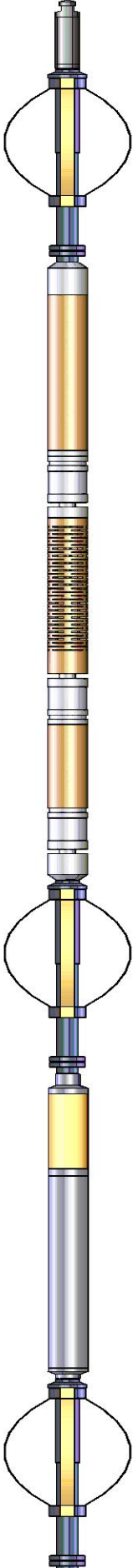
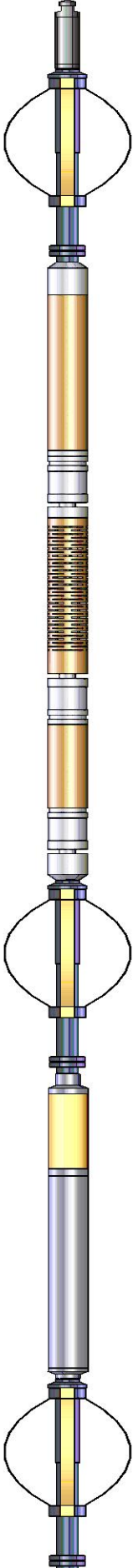
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 120	0 (mV) 100	200 1200		0 100
Temperature	3' Amplitude x 5			Minimum Amplitude
0 (degF) 20	0 (mV) 20			0 100
Line Speed	3' Travel Time			Maximum Amplitude
-150 (ft/min) 150	650 (usec) 150			0 100
Line Tension				
0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







Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
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Sensor	Onset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
Temp	16.72		Titan_Electric_Cable_Heads-Titan_1-11/161.03 Electric Cable Head with 1" Fishing Neck		1.69	5.40
			Probe_ELine_BowSpring_Centralizer-P_EE2.88_275 Probe 2-3/4" Electric Inline Bowspring Centralizer		2.75	20.00
WVFS8	14.55		Probe_RADII-C-P_RBT_2750 (FW1305-099.19 Probe 2-3/4" Sector Cement Bond Tool with Temperature Probe		2.75	105.00
WVFS7	14.55					
WVFS6	14.55					
WVFS5	14.55					
WVFS4	14.55					
WVFS3	14.55					
WVFS2	14.55					
WVFS1	14.55					
WVFCAL	14.55					
WVF3FT	14.55					
WVF5FT	13.55					
HeadVolt	10.30					
DCCL CCL	6.51		Probe_ELine_BowSpring_Centralizer-P_EE2.88_275 Probe 2-3/4" Electric Inline Bowspring Centralizer		2.75	20.00
	6.51					
GR	3.77		Probe_GR_CCL-P_CGR_2750_S (FW1304.543) Probe 2-3/4" Digital CCL / Gamma Ray Combined		2.75	55.00
			Probe_ELine_BowSpring_Centralizer-P_EE2.88_275 Probe 2-3/4" Electric Inline Bowspring Centralizer		2.75	20.00

Dataset: Synergy\_Orr State 15N-35B-M\_04-16-17\_RBL.db: field/well/run1/Main.1

Total length: 23.40 ft

Total weight: 225.40 lb

O.D.: 2.75 in



# Calibration Report

Database File D:\Warrior\Data\Synergy\_Orr State 15N-35B-M\Synergy\_Orr State 15N-35B-M\_04-16-17\_RBL.db  
 Dataset Pathname Main.1  
 Dataset Creation Sun Apr 16 16:58:28 2017

## Gamma Ray Calibration Report

Serial Number: FW1307-038  
 Tool Model: P\_CGR\_2750\_S  
 Performed: Thu Nov 10 10:56:13 2016

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps  
 Calibrator Reading: 1.6 cps

Sensitivity: 0.6300 GAPI/cps

## Segmented Cement Bond Log Calibration Report

Serial Number: FW1305-098  
 Tool Model: P\_RBT\_2750

Calibration Casing Diameter: 5.500 in  
 Calibration Depth: 34.712 ft

### Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	0.699	0.800	71.921	102.123	0.587
CAL	0.007	0.751				
5'	-0.015	0.528	0.800	71.921	130.860	2.820
SUM						
S1	0.003	0.711	0.000	100.000	141.127	-0.411
S2	0.002	0.730	0.000	100.000	137.441	-0.310
S3	0.002	0.728	0.000	100.000	137.728	-0.265
S4	0.002	0.704	0.000	100.000	142.364	-0.277
S5	0.002	0.700	0.000	100.000	143.146	-0.249
S6	0.002	0.691	0.000	100.000	145.002	-0.265
S7	0.002	0.681	0.000	100.000	147.431	-0.349
S8	0.002	0.686	0.000	100.000	146.249	-0.343

### Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.007	0.751	1.000	0.000

### Air Zero Calibration, performed Sun Apr 16 14:50:49 2017:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.007		0.000		-0.000	
5'	0.007		0.000		-0.000	
SUM						
S1	0.007		0.000		0.000	
S2	0.007		0.000		-0.000	

S3	0.007	0.000	-0.000
S4	0.007	0.000	-0.000
S5	0.007	0.000	-0.001
S6	0.007	0.000	-0.000
S7	0.007	0.000	-0.000
S8	0.007	0.000	-0.000



Company	Synergy Resources Corporation
Well	Orr State 15N-35B-M
Field	Wattenberg
County	Weld
State	Colorado