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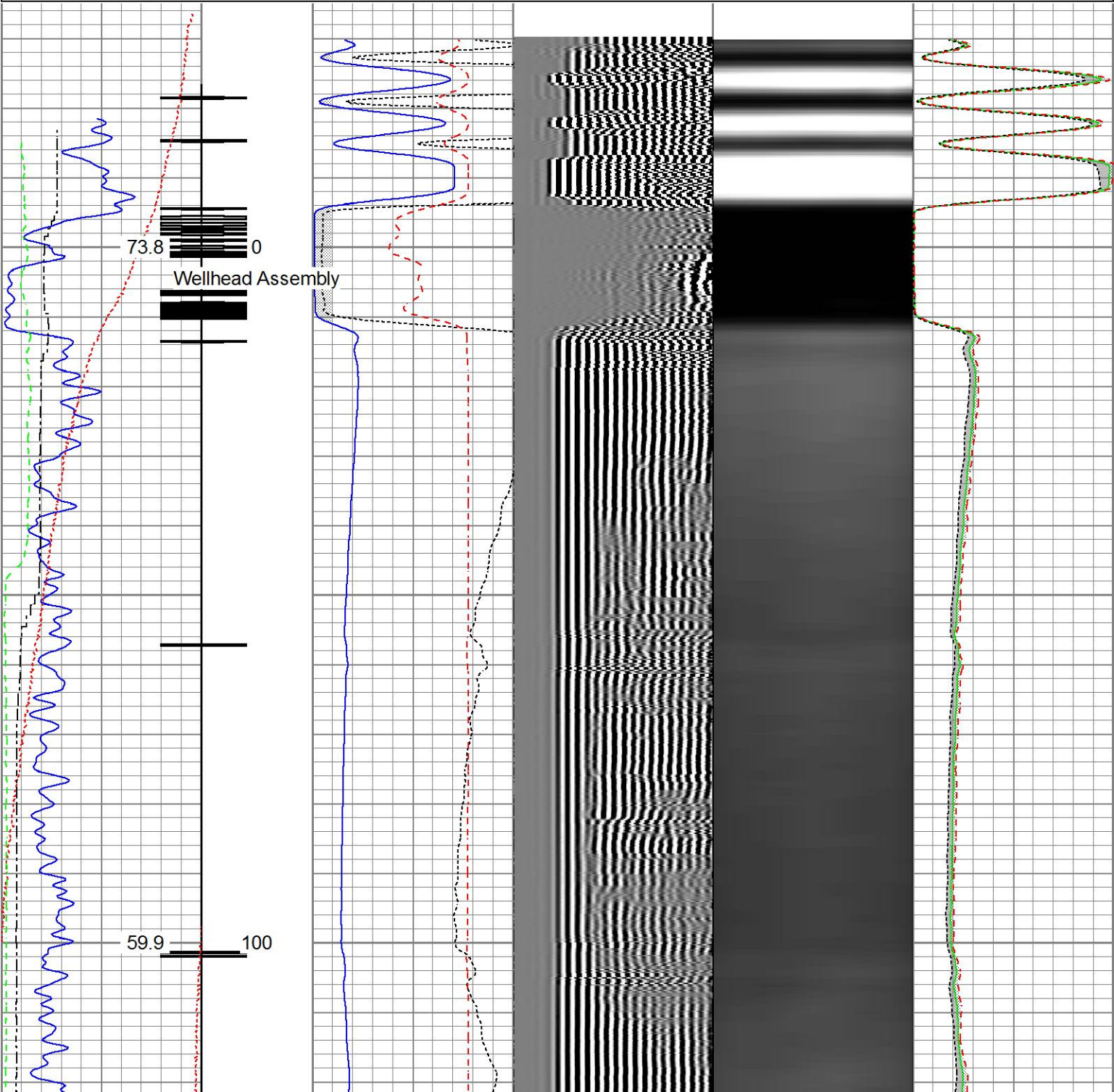
Comments

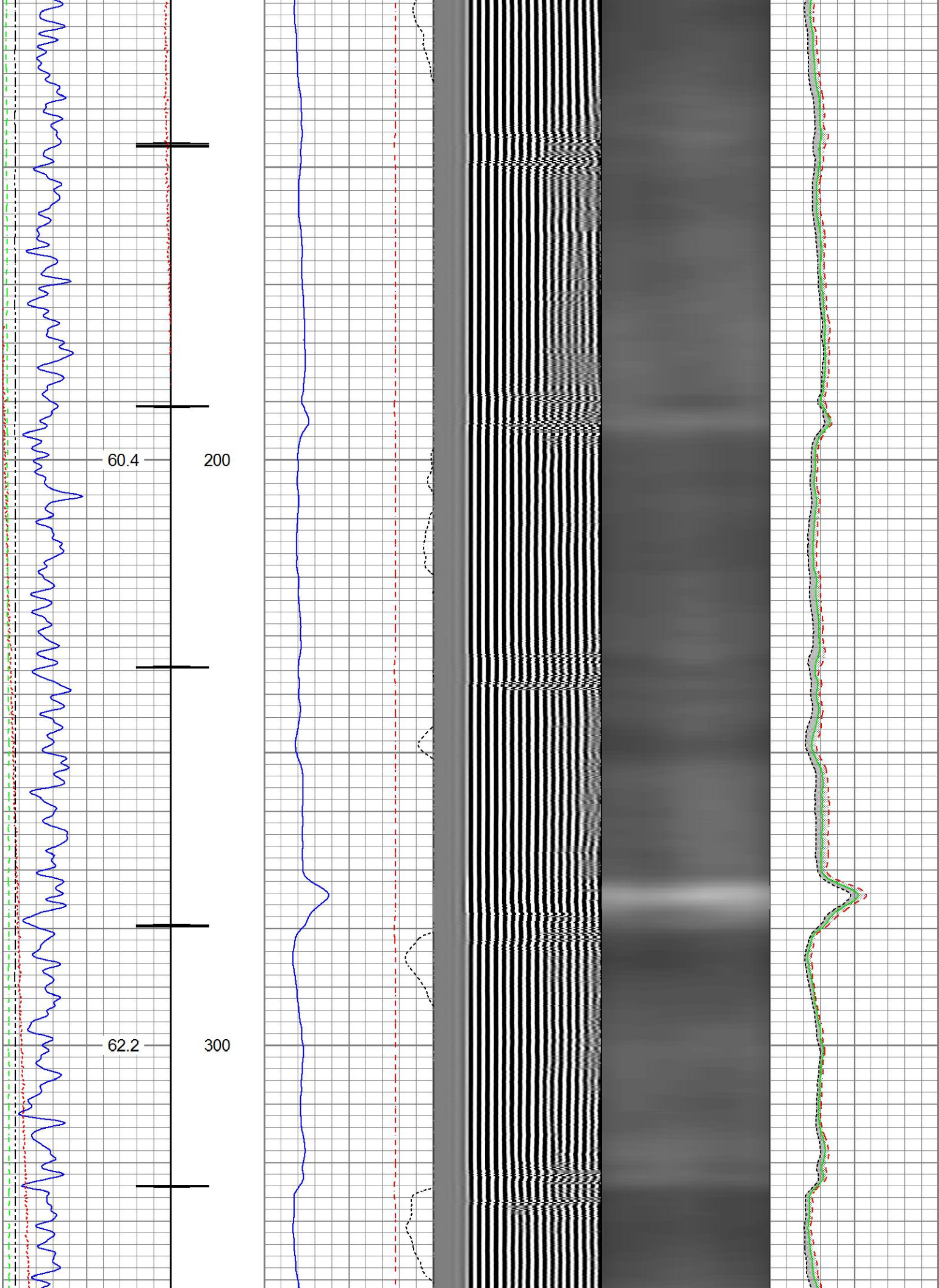


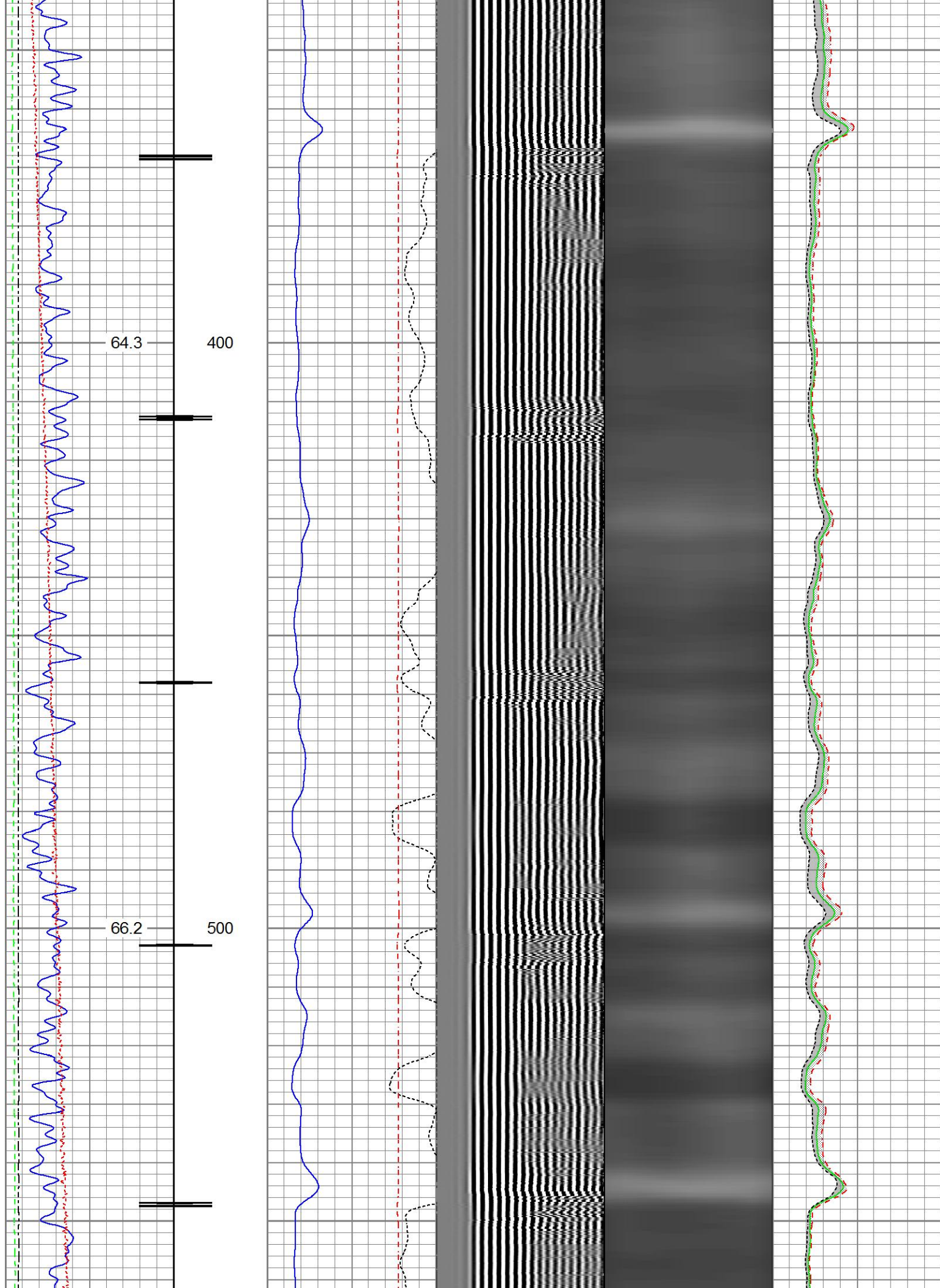
Main Pass

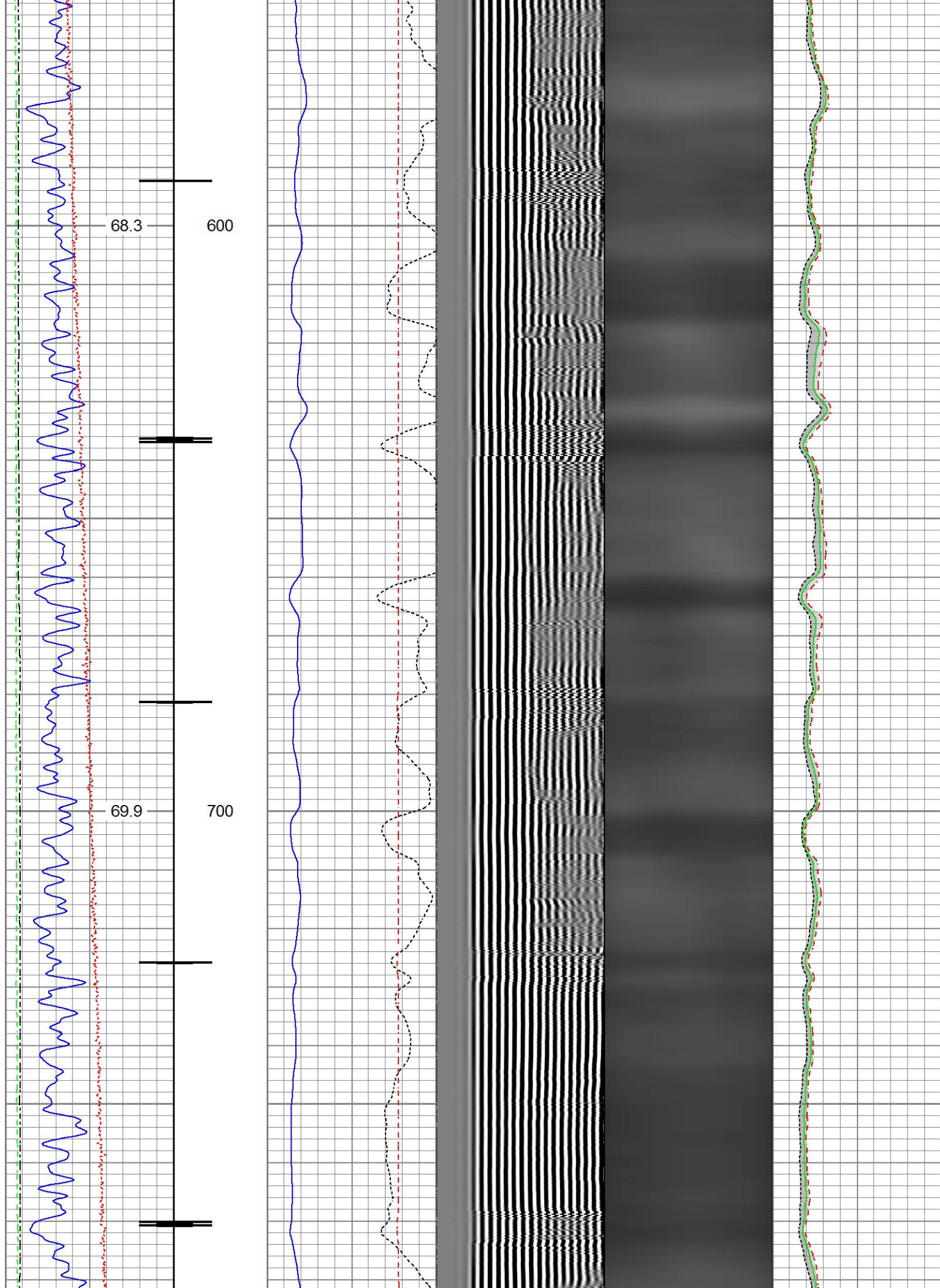
Recorded With 2800 PSI Surface Induced Pressure

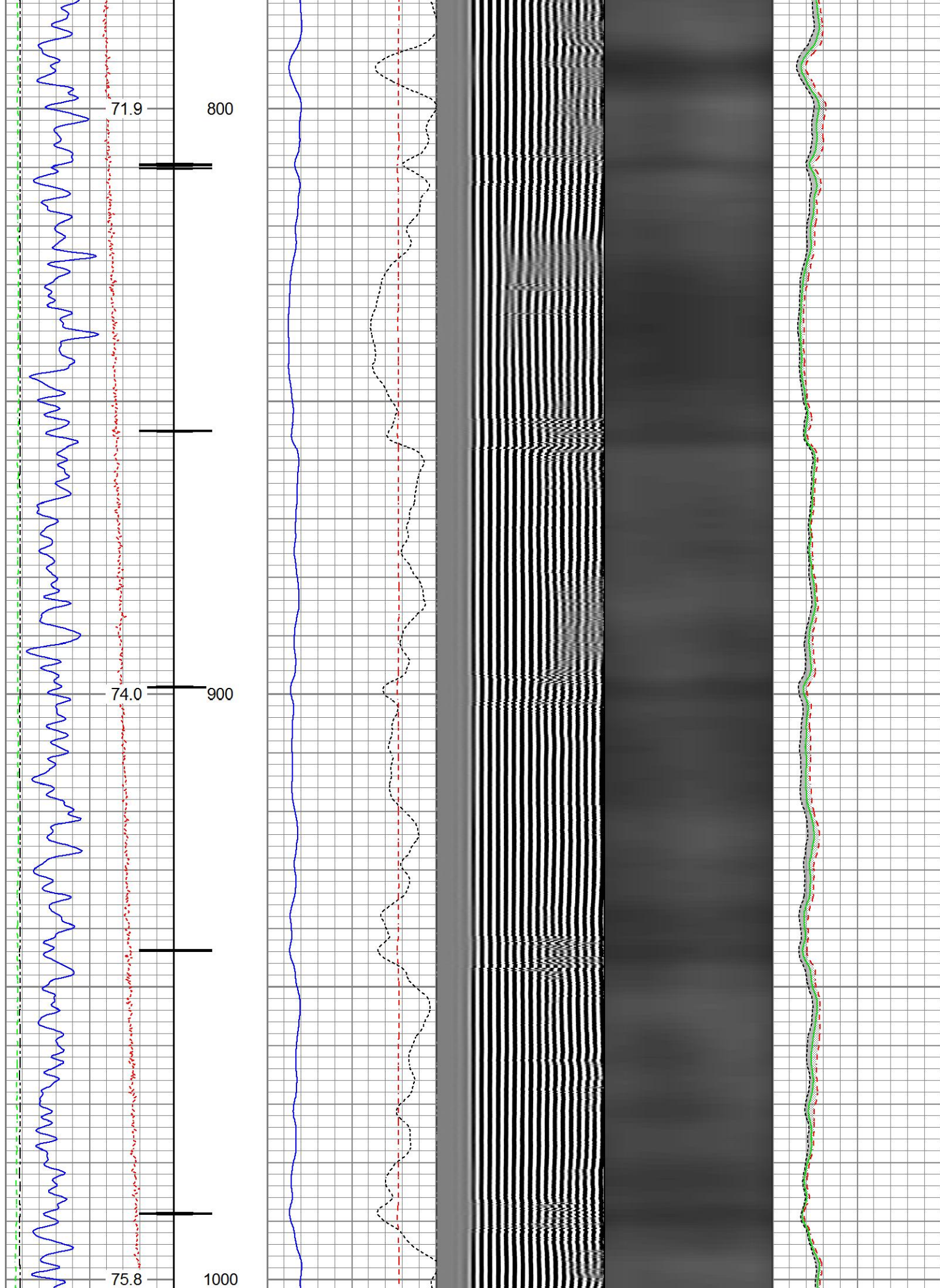
Gamma Ray			3' Amplitude			5' Variable Density Log		Sector Map		Average Amplitude	
0	(GAPI)	120	0	(mV)	100	200	1200			0	100
Casing Collar Locator			3' Amplitude x 5							Minimum Amplitude	
Temperature			0 (mV) 20							0 100	
0	(degF)	20	3' Travel Time							Maximum Amplitude	
Line Speed			650 (usec)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

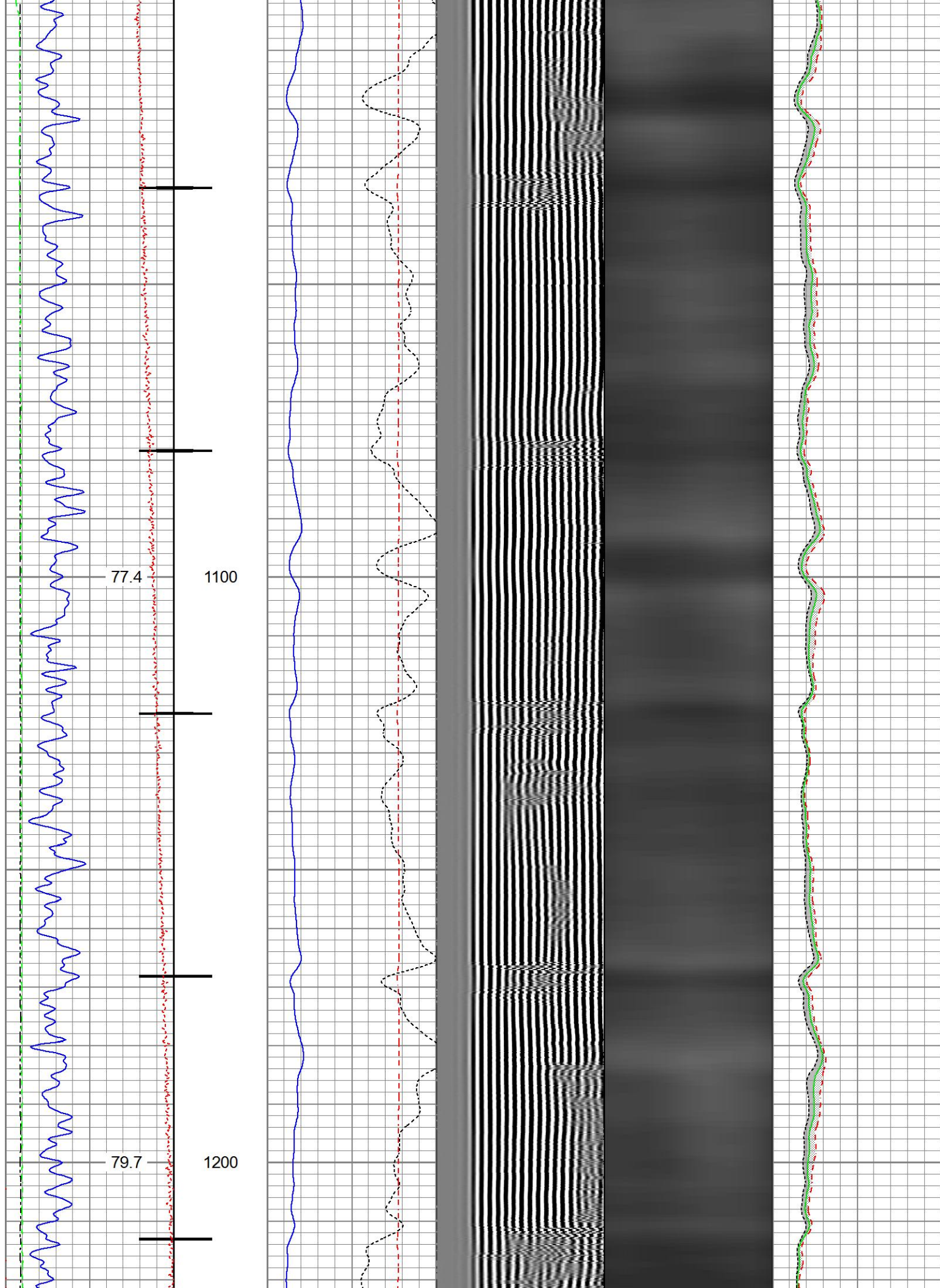


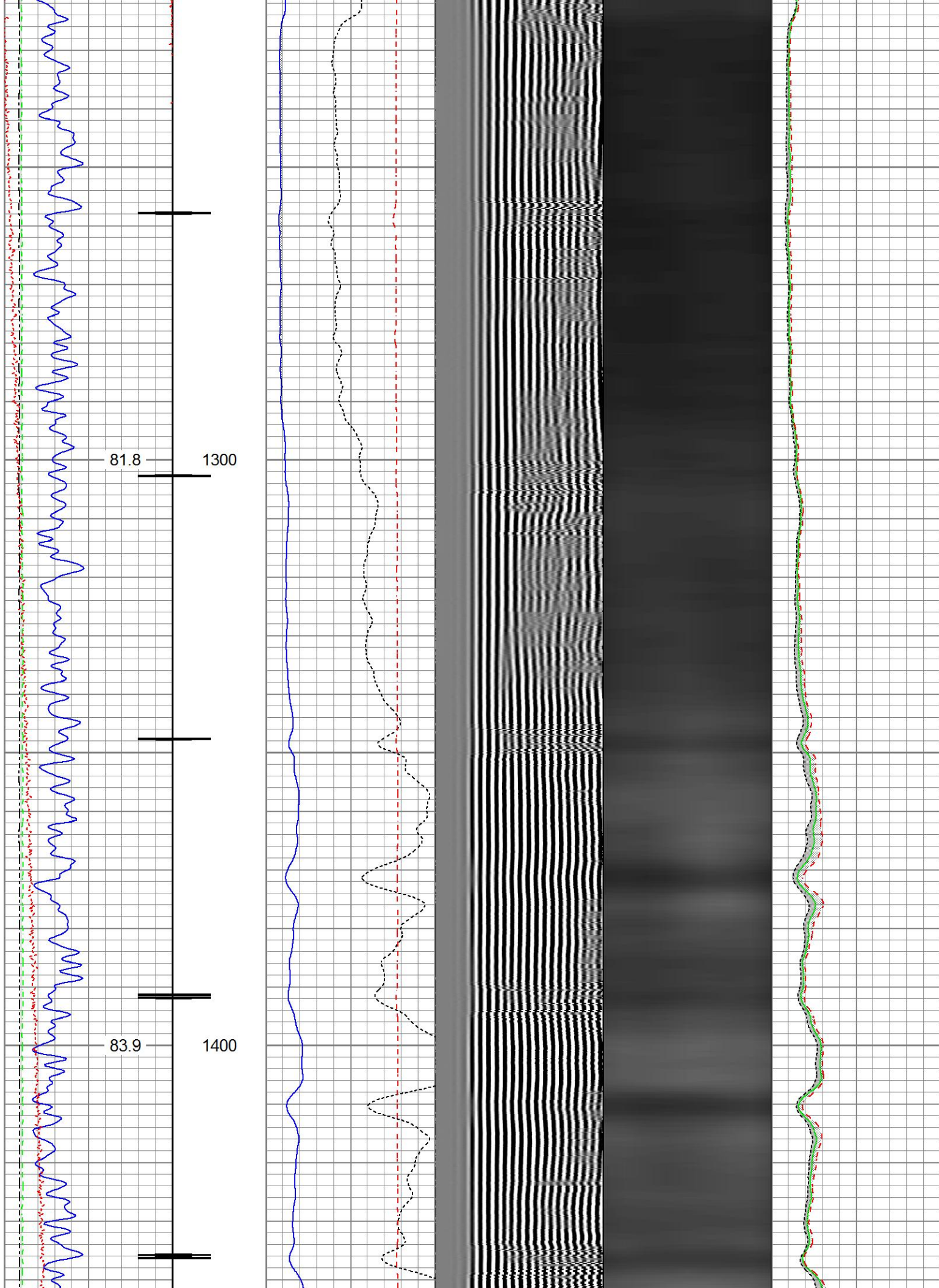


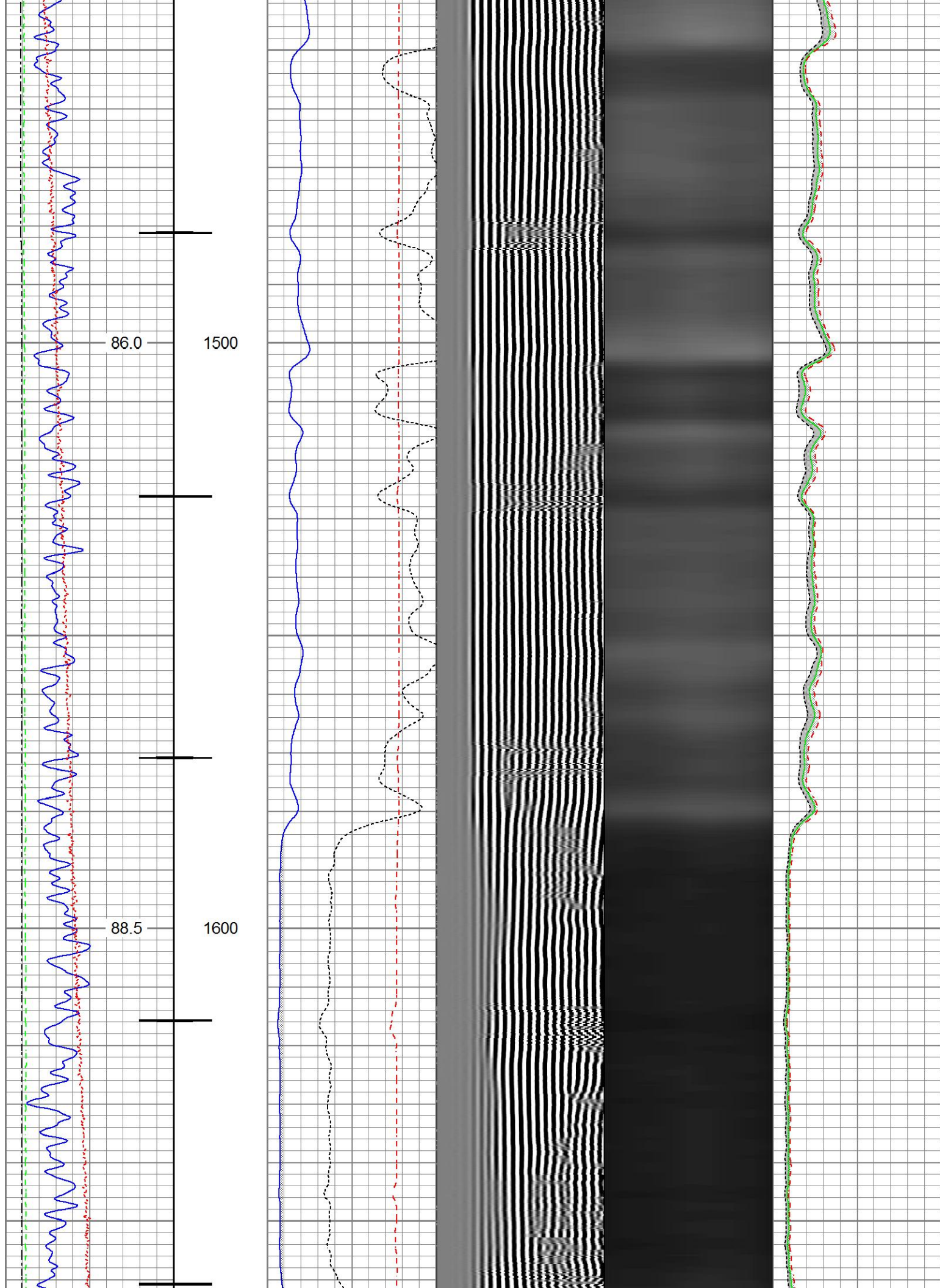


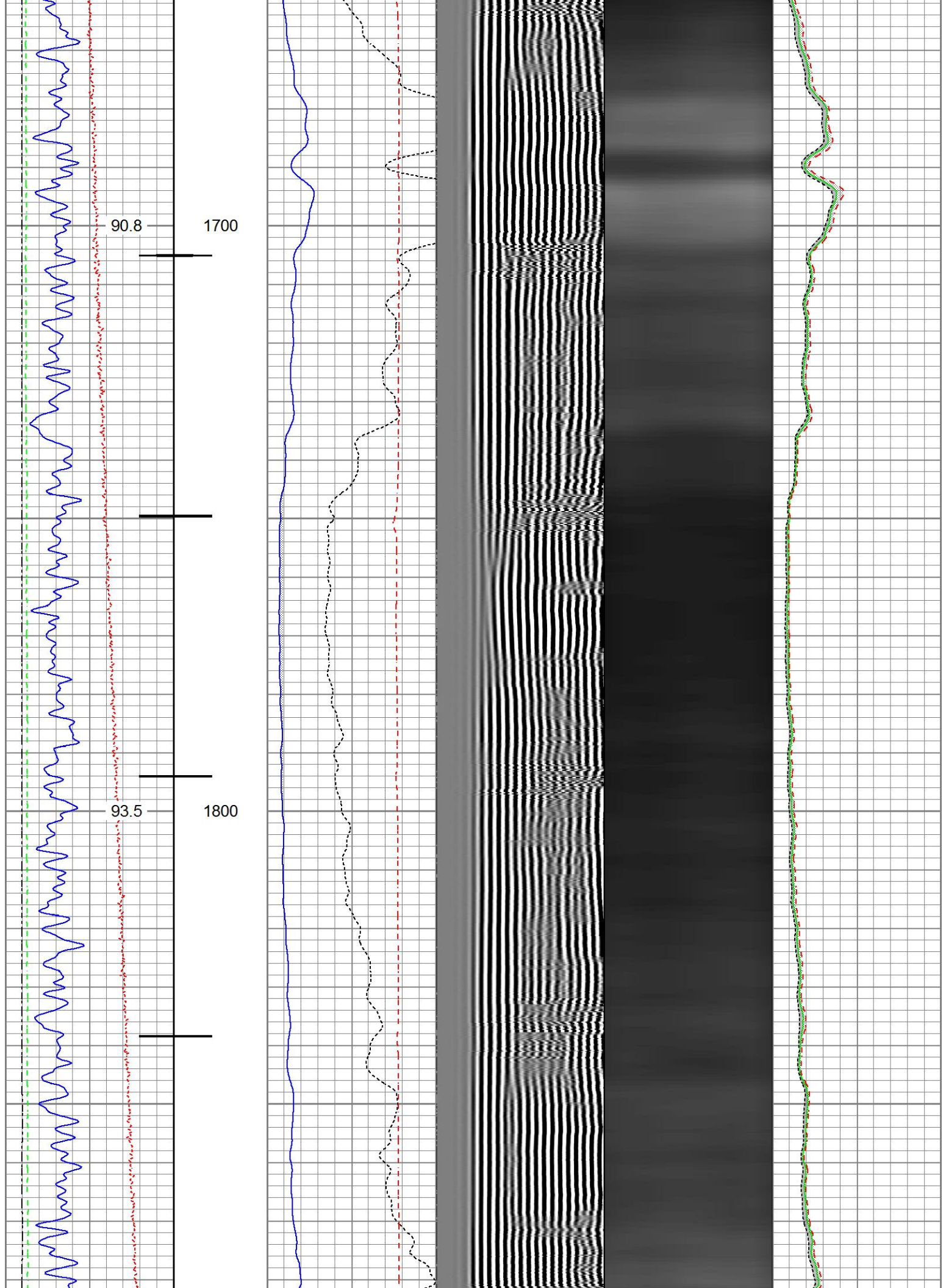


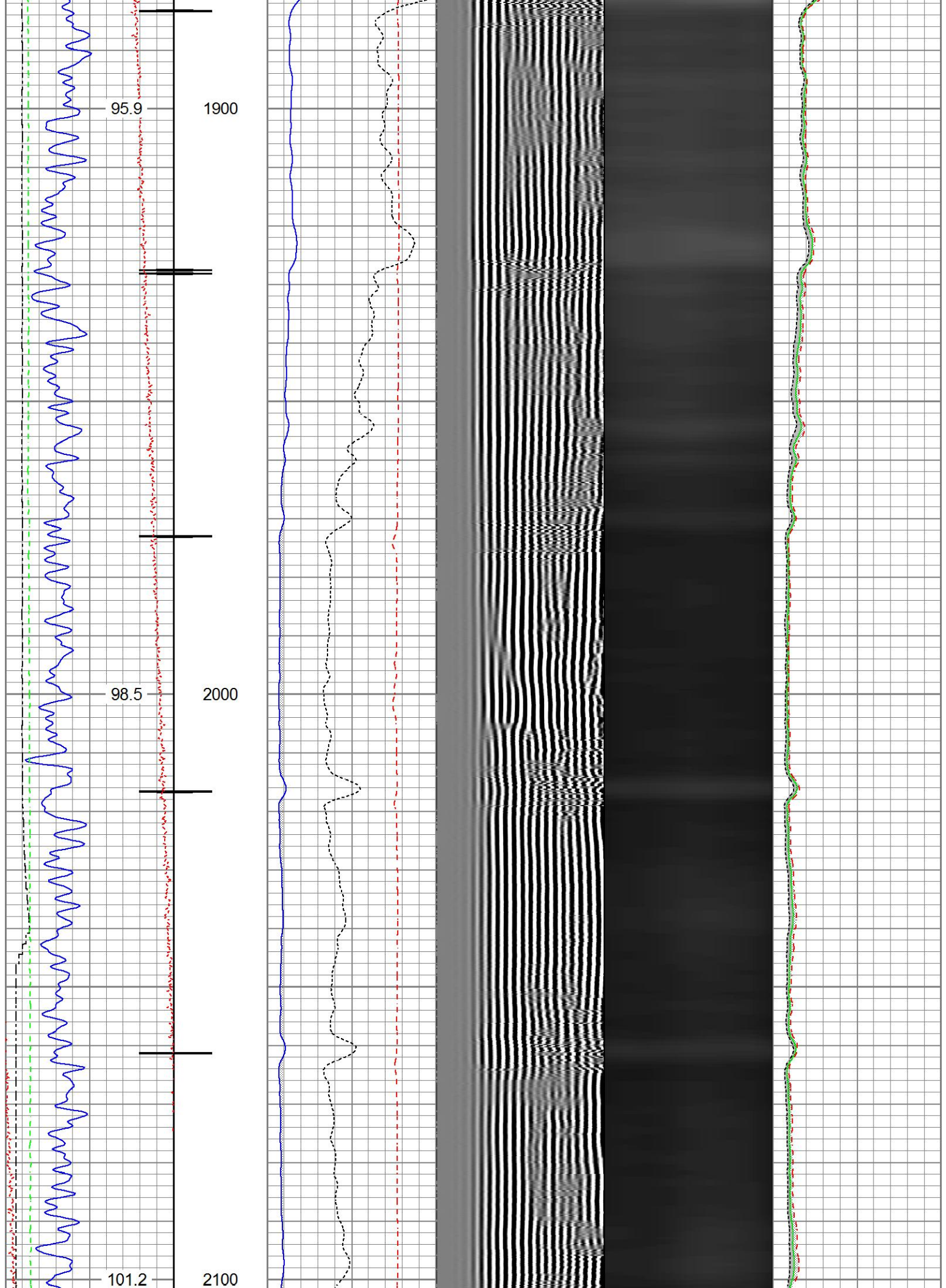


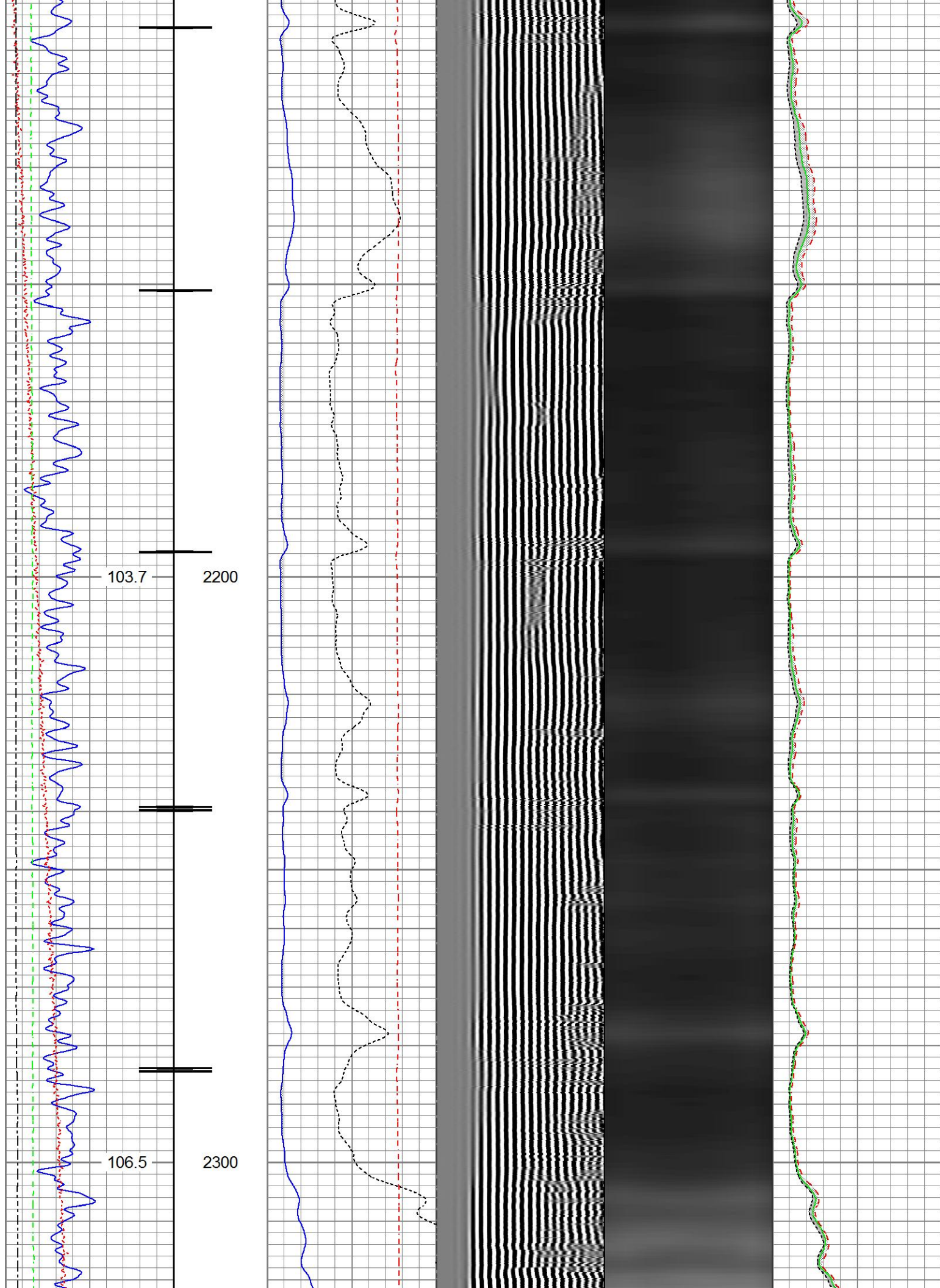


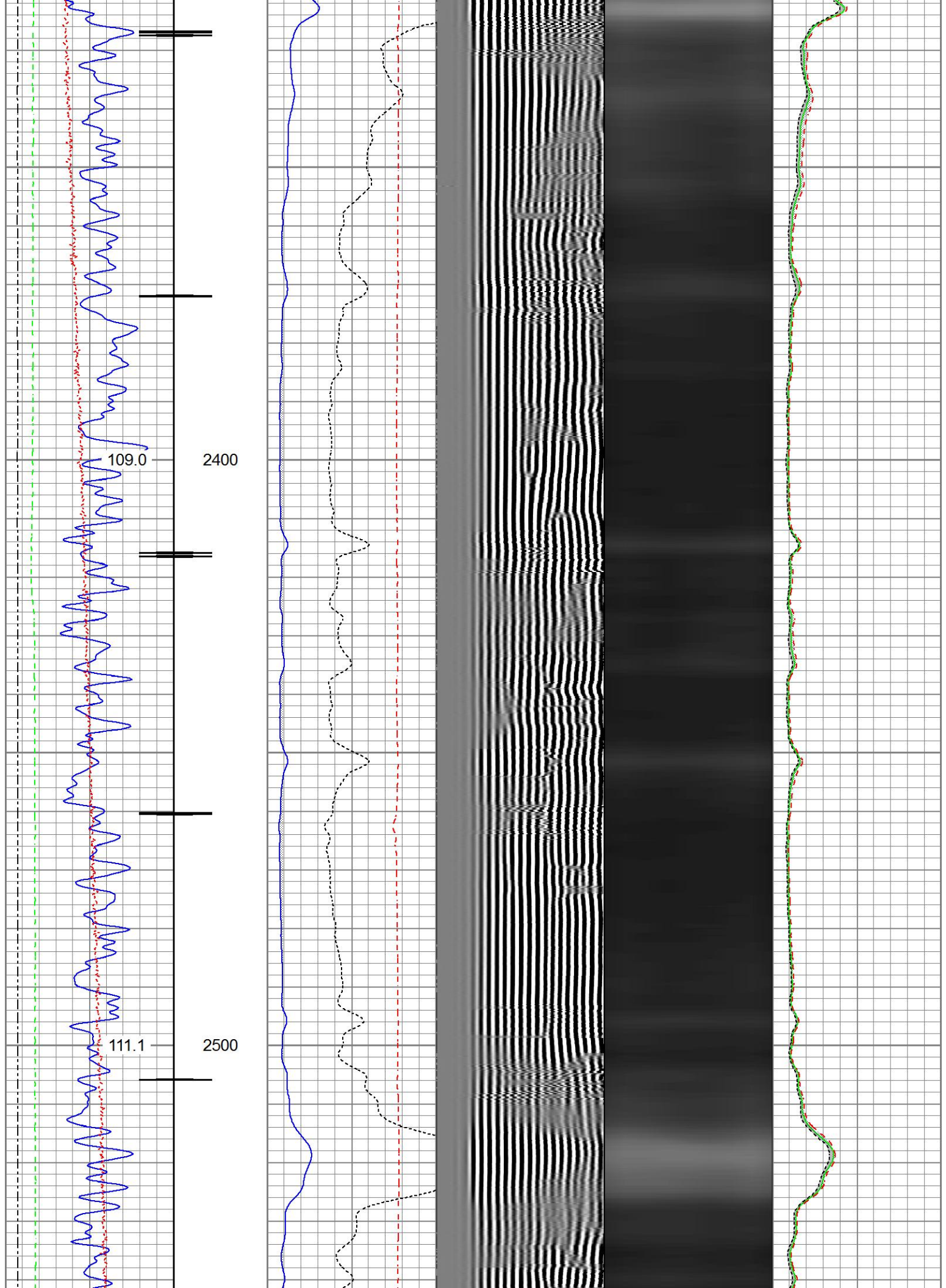


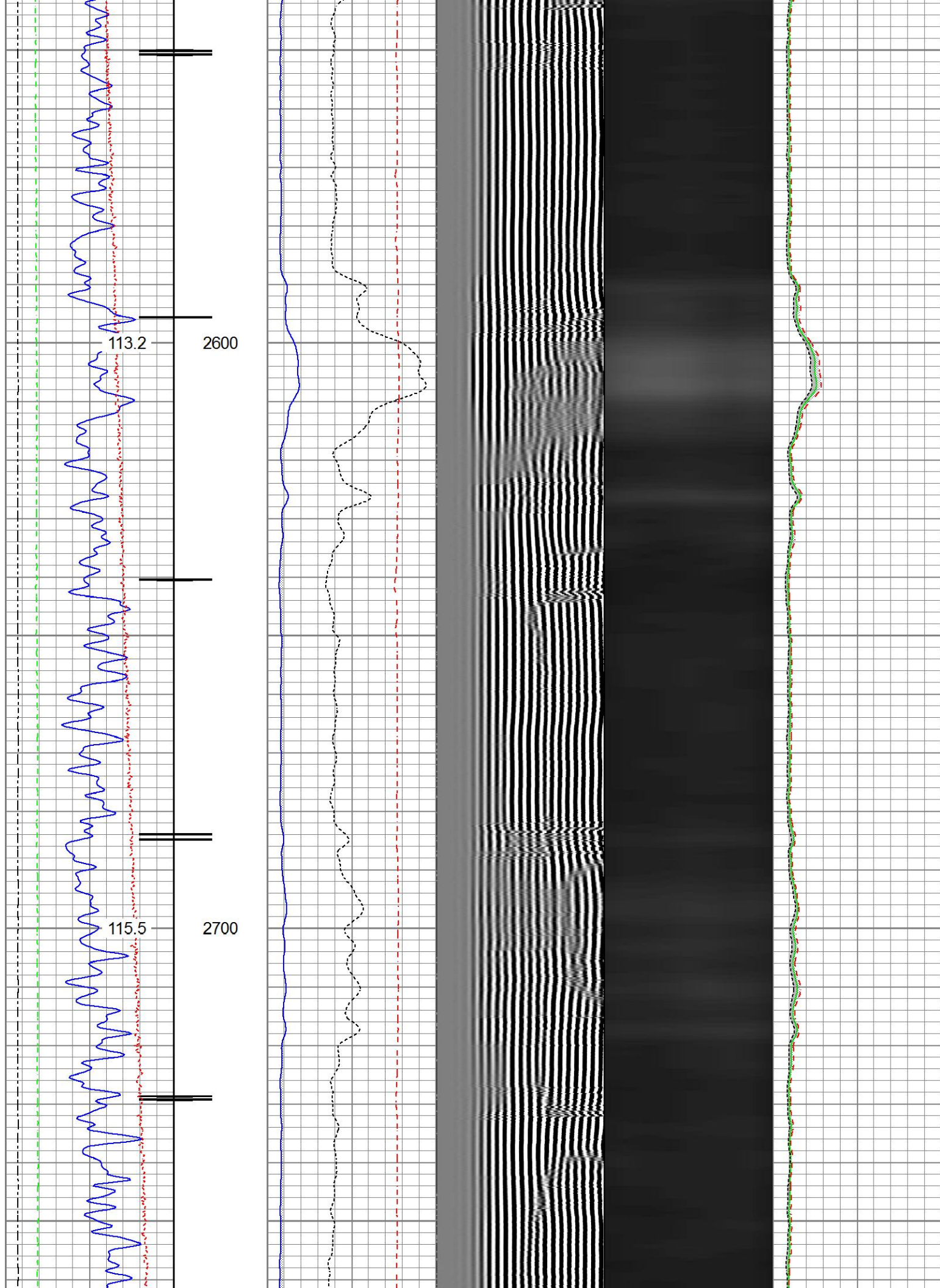


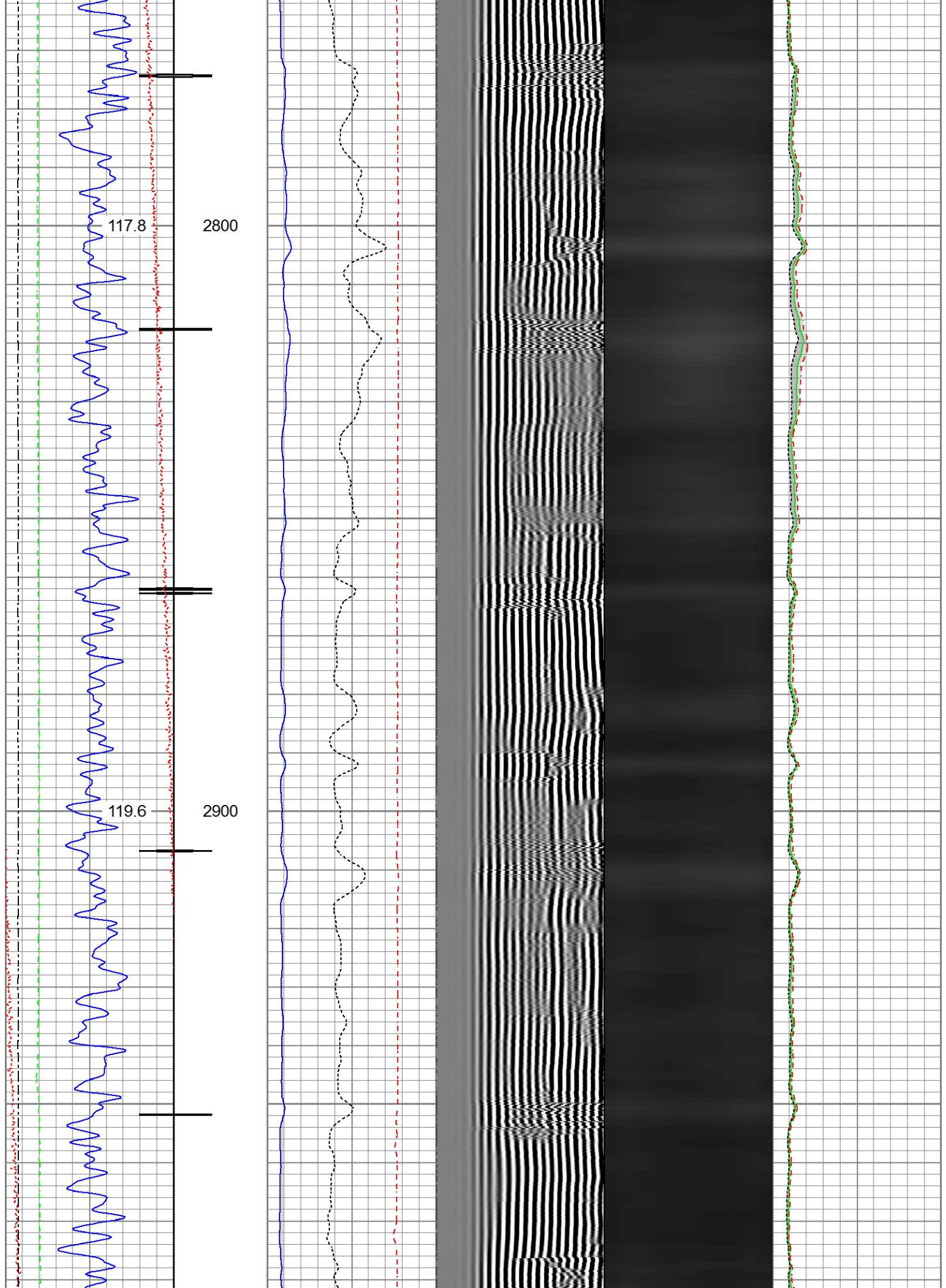


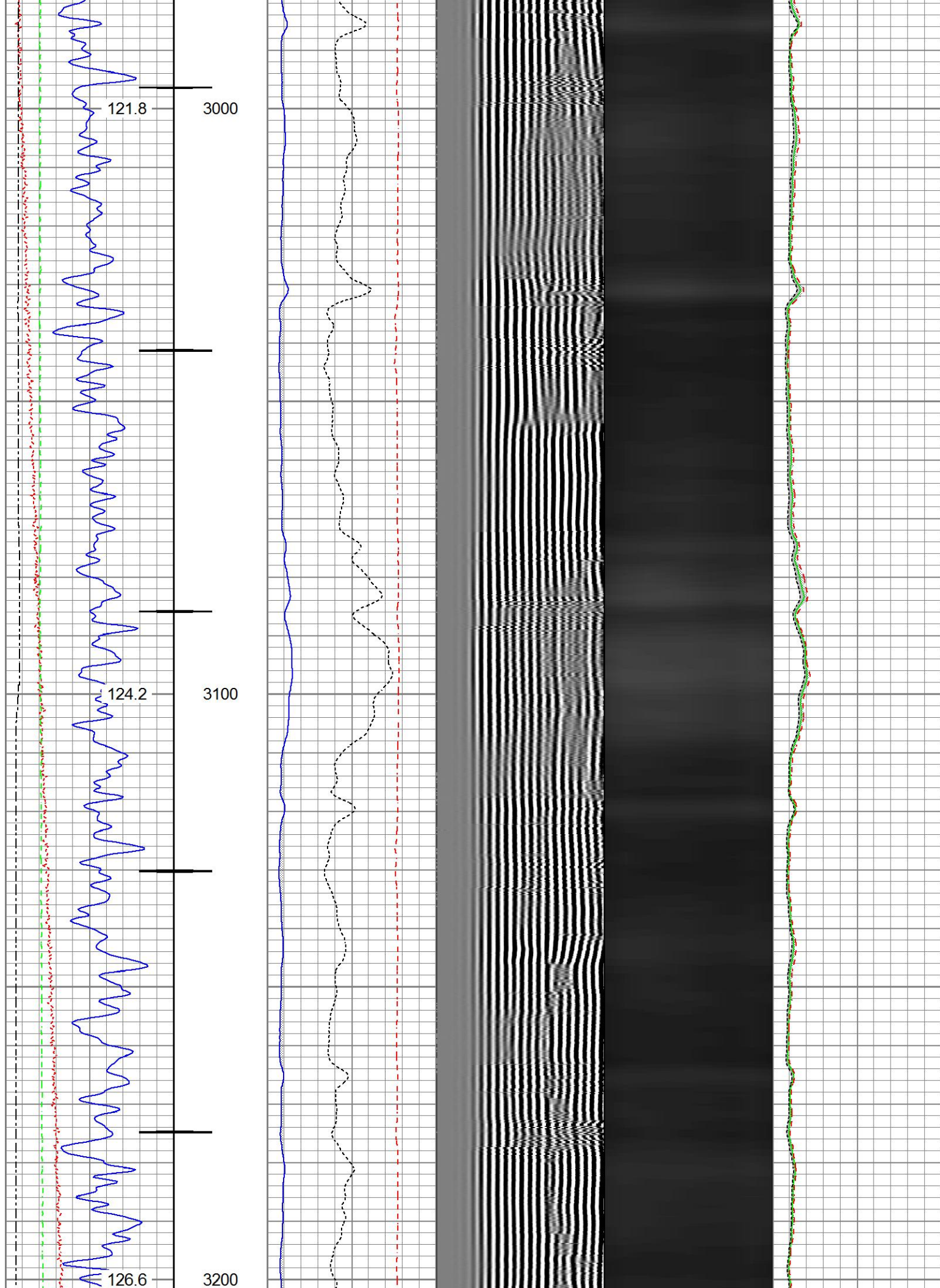


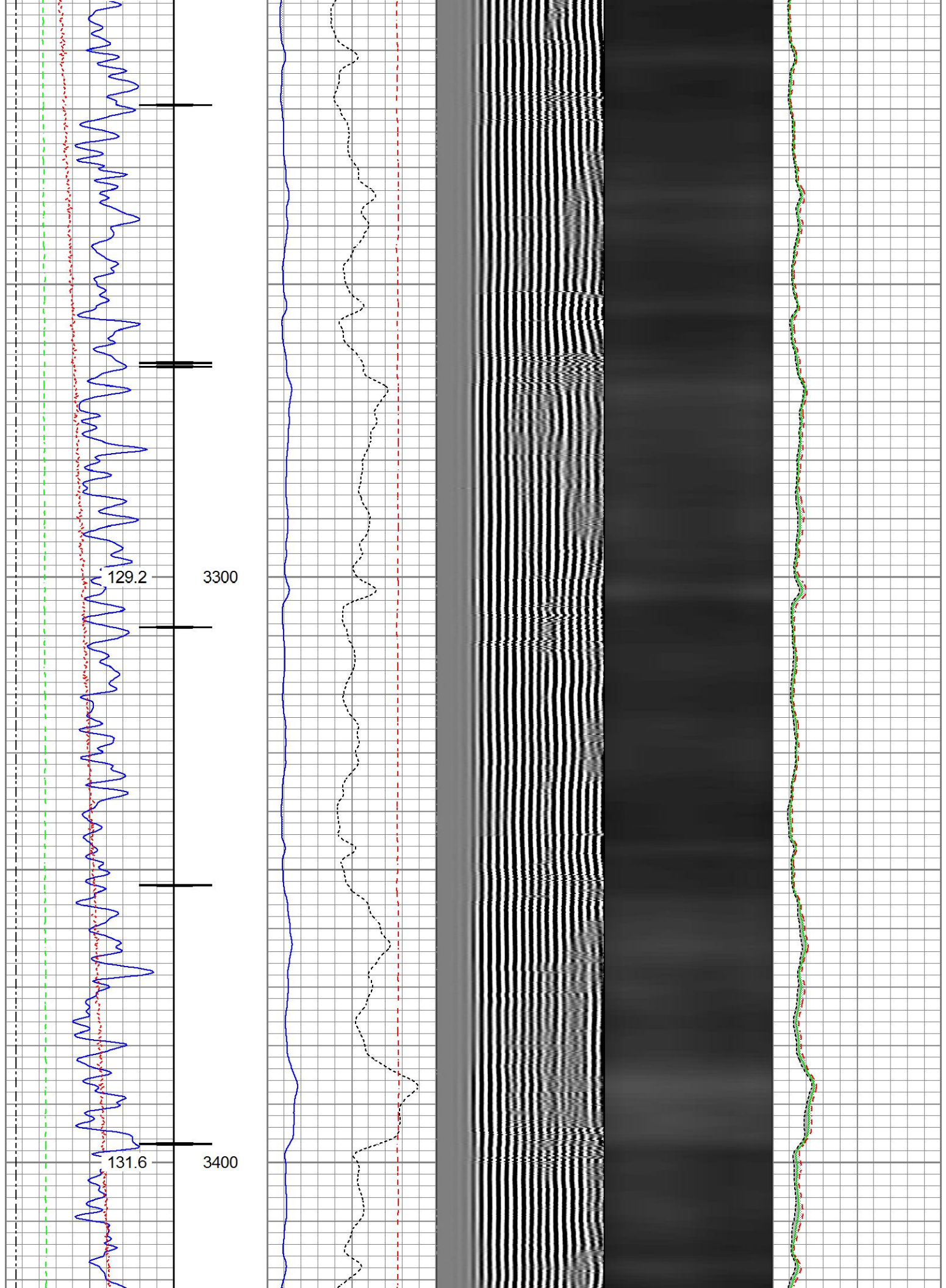


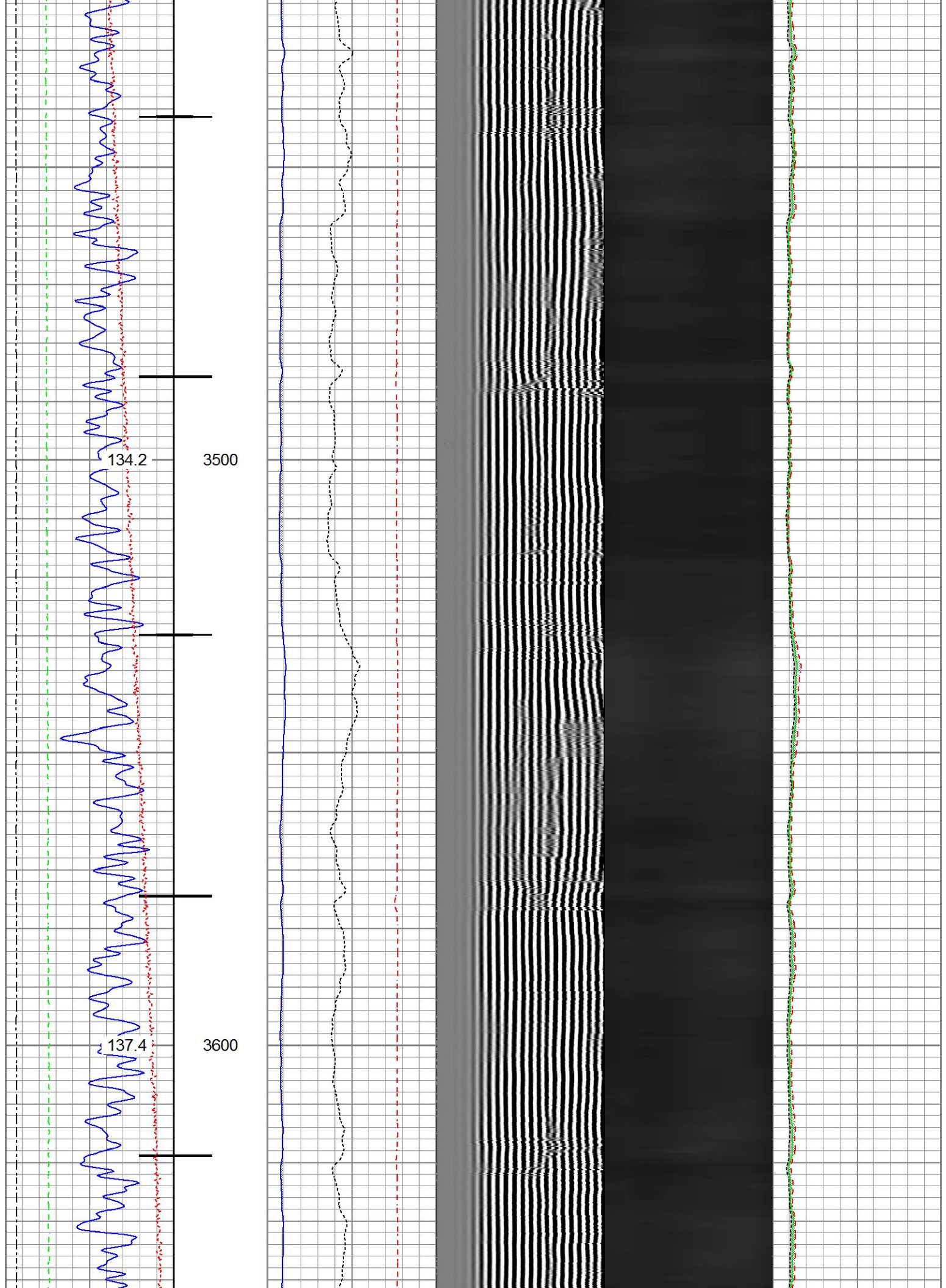


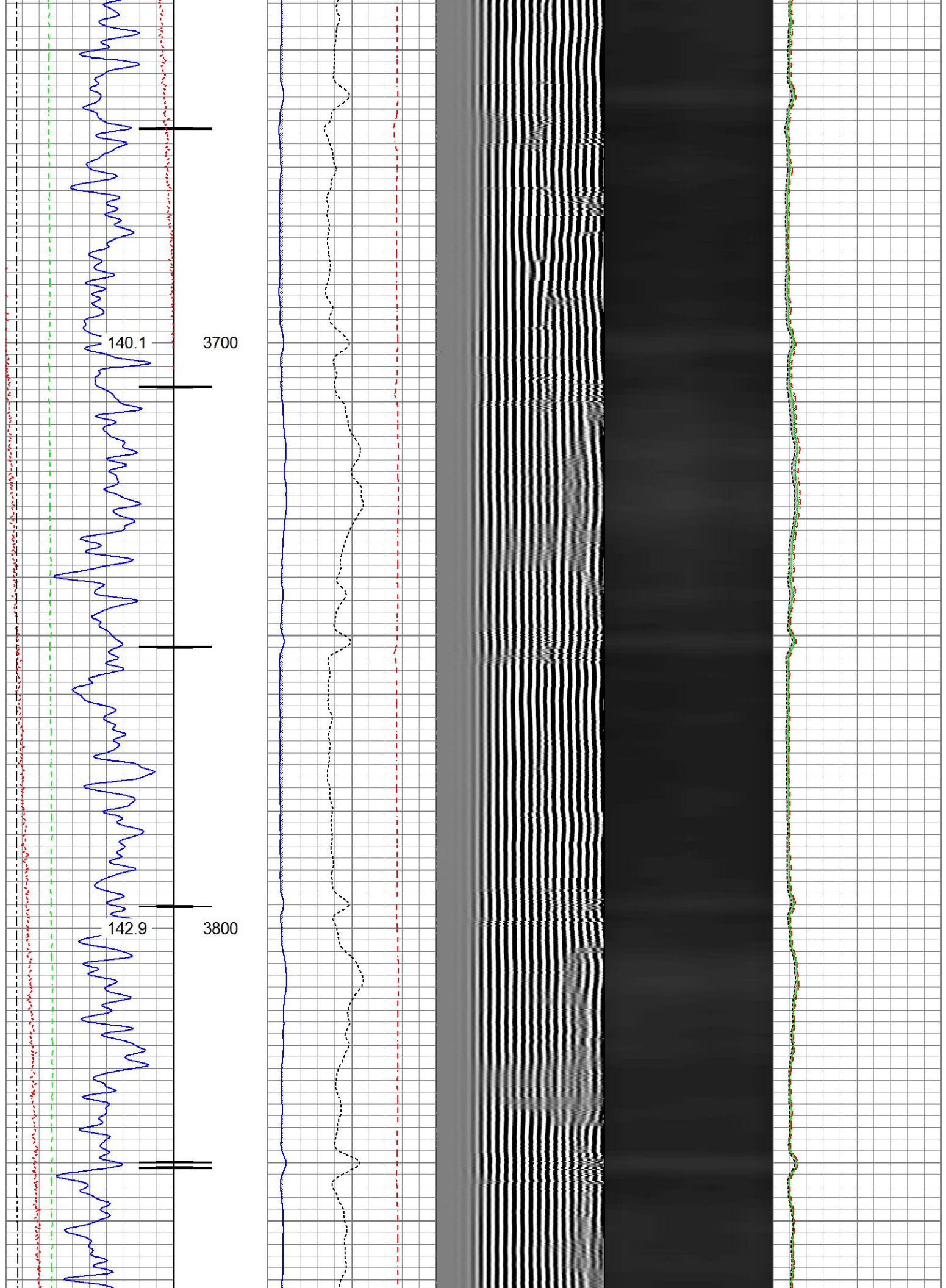


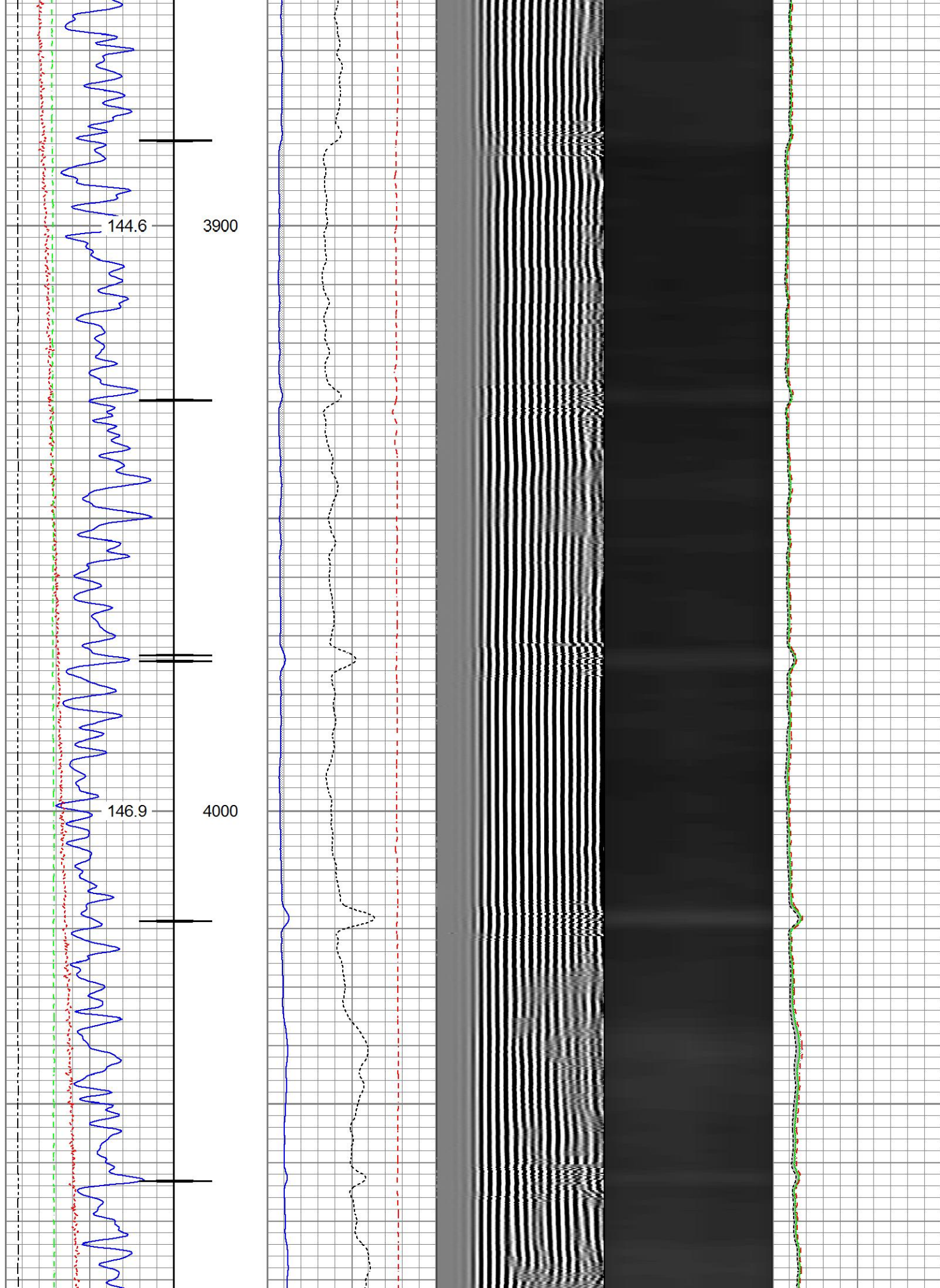


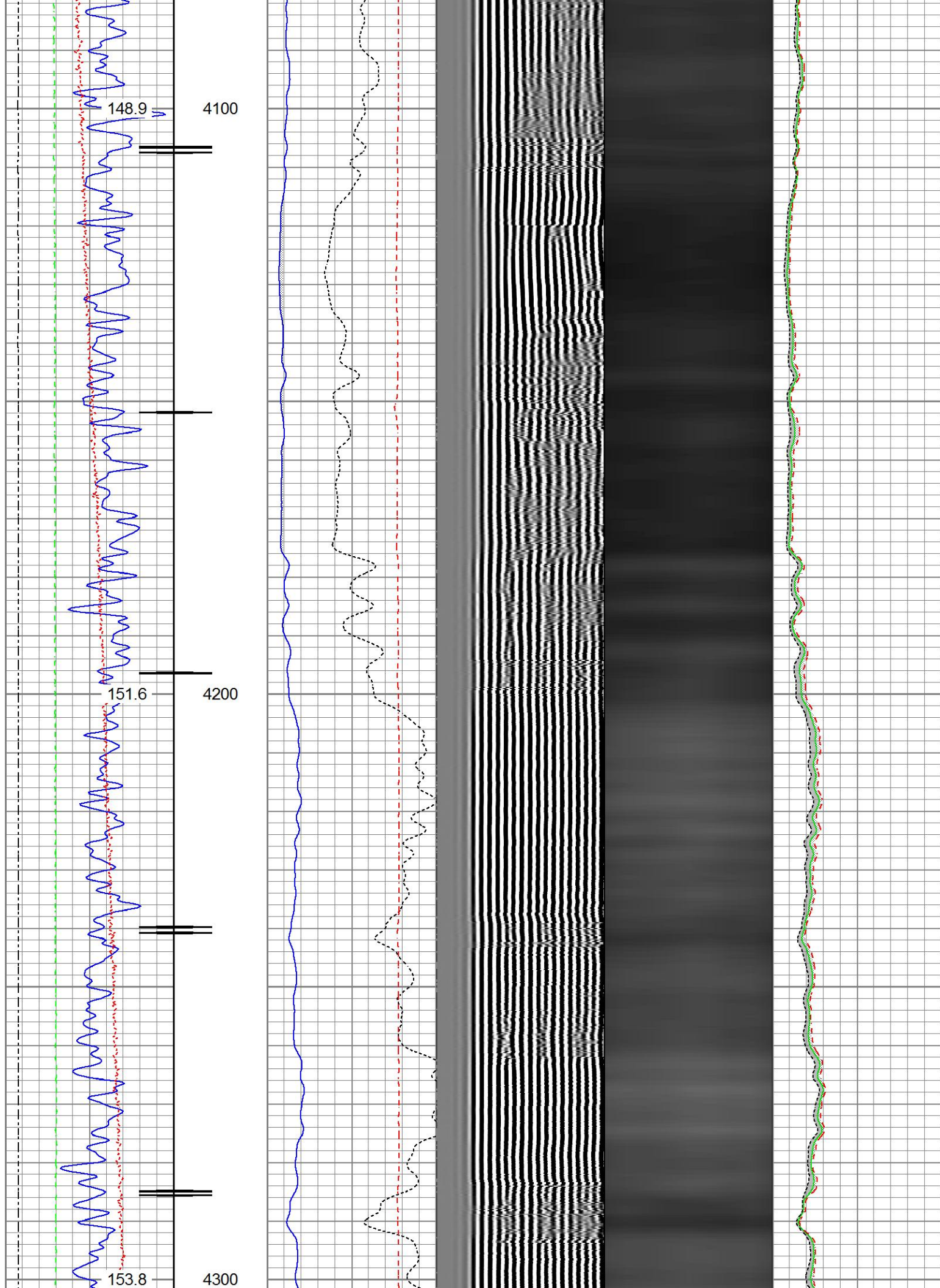


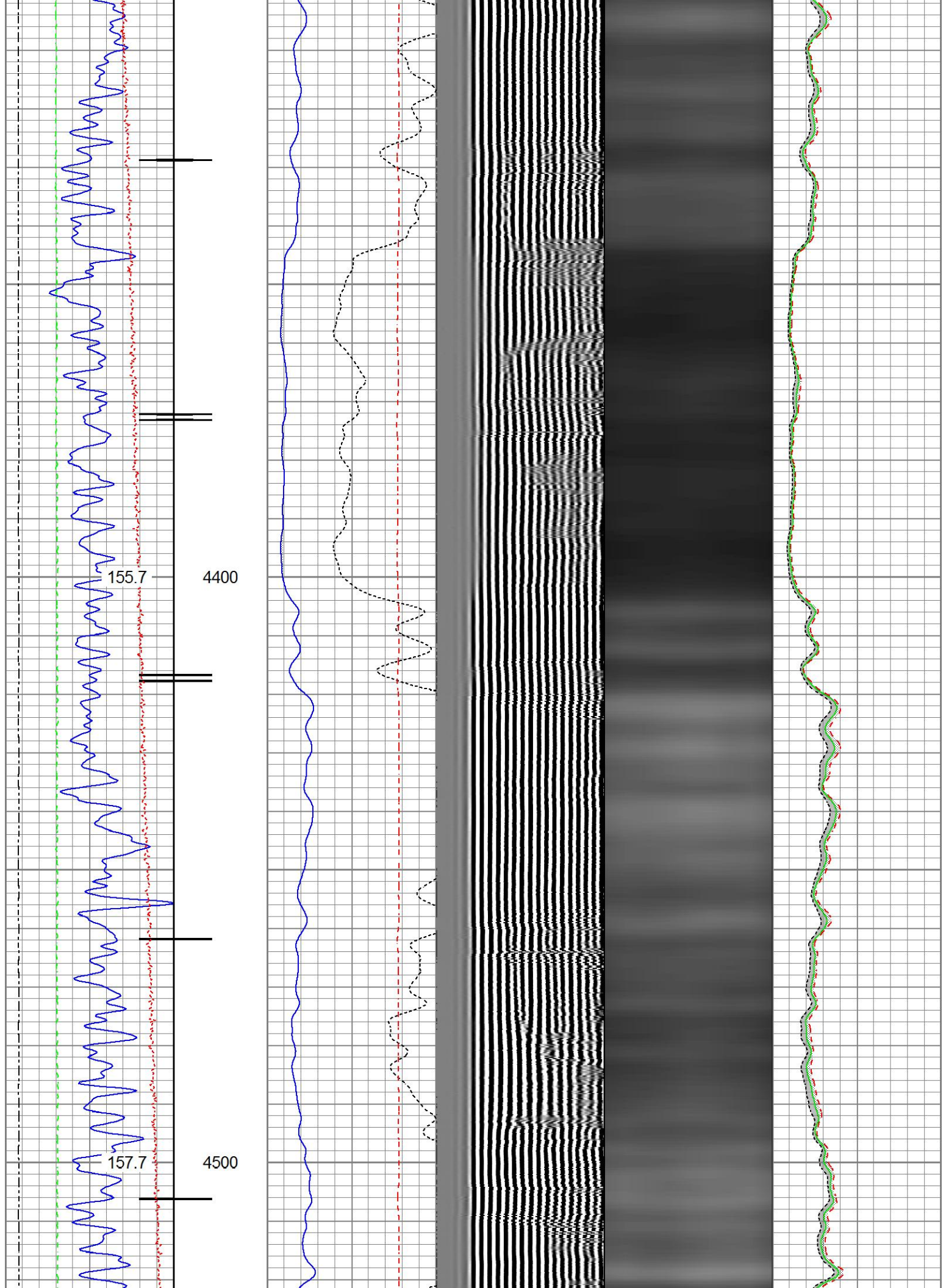


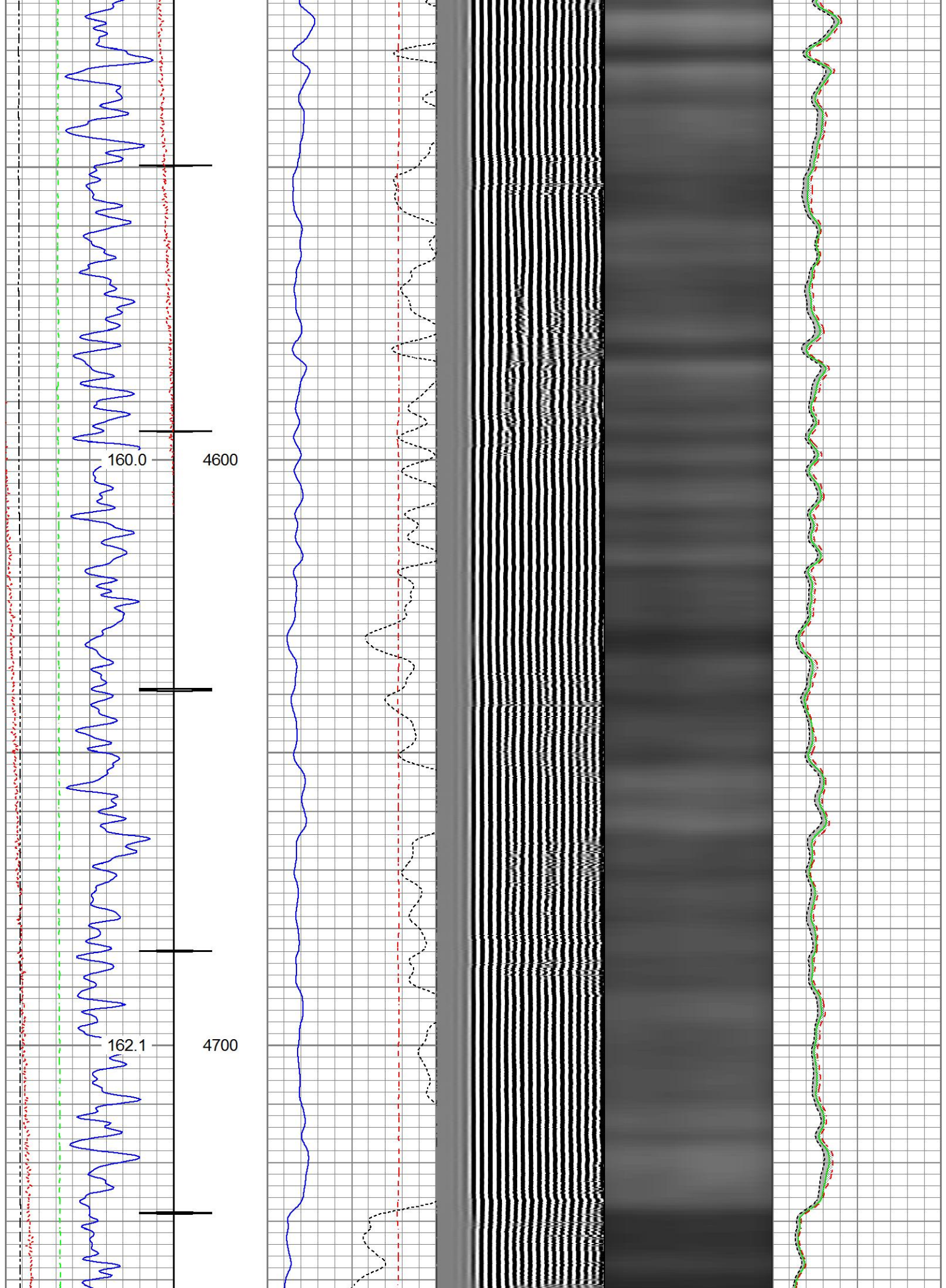


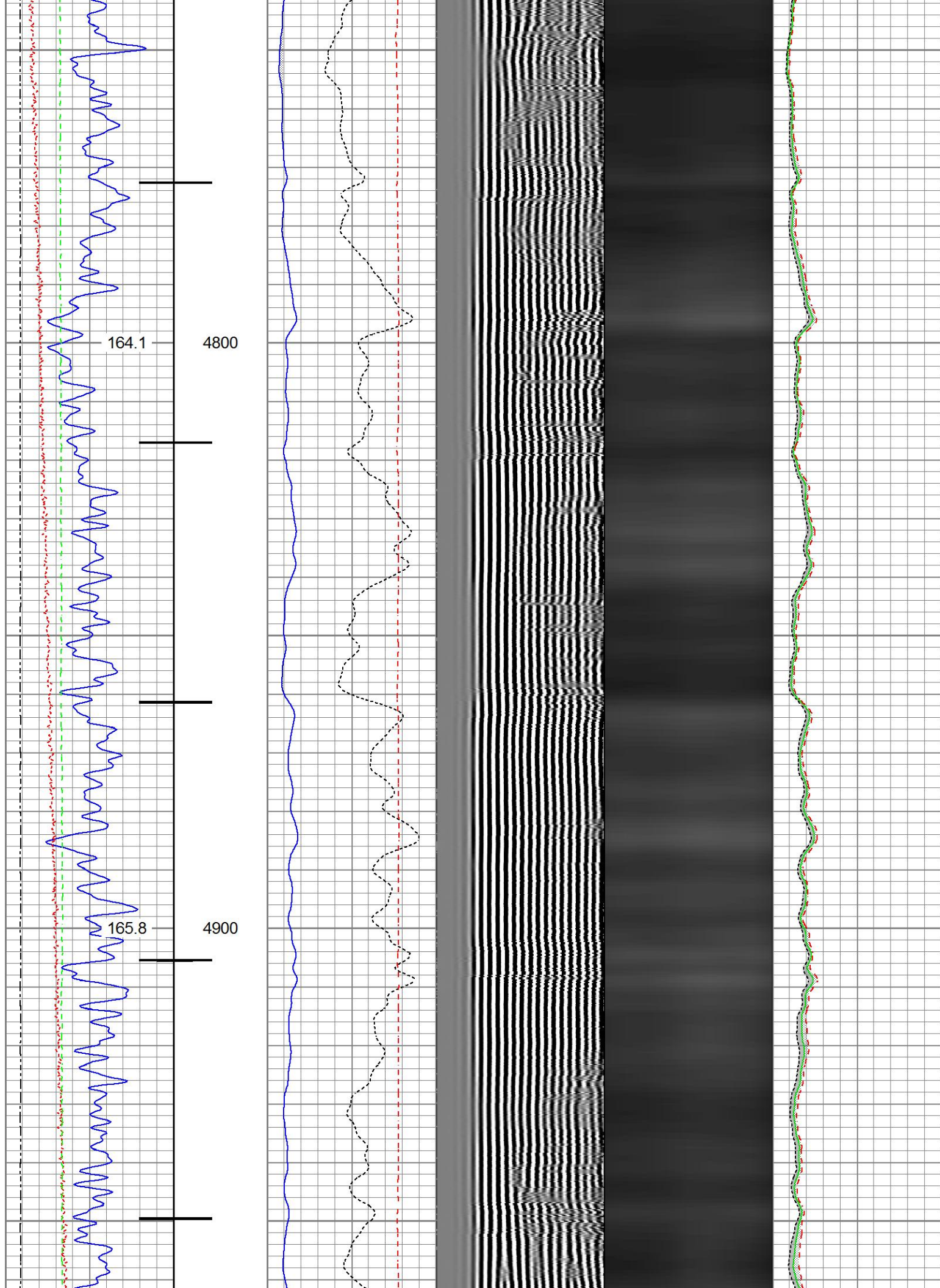


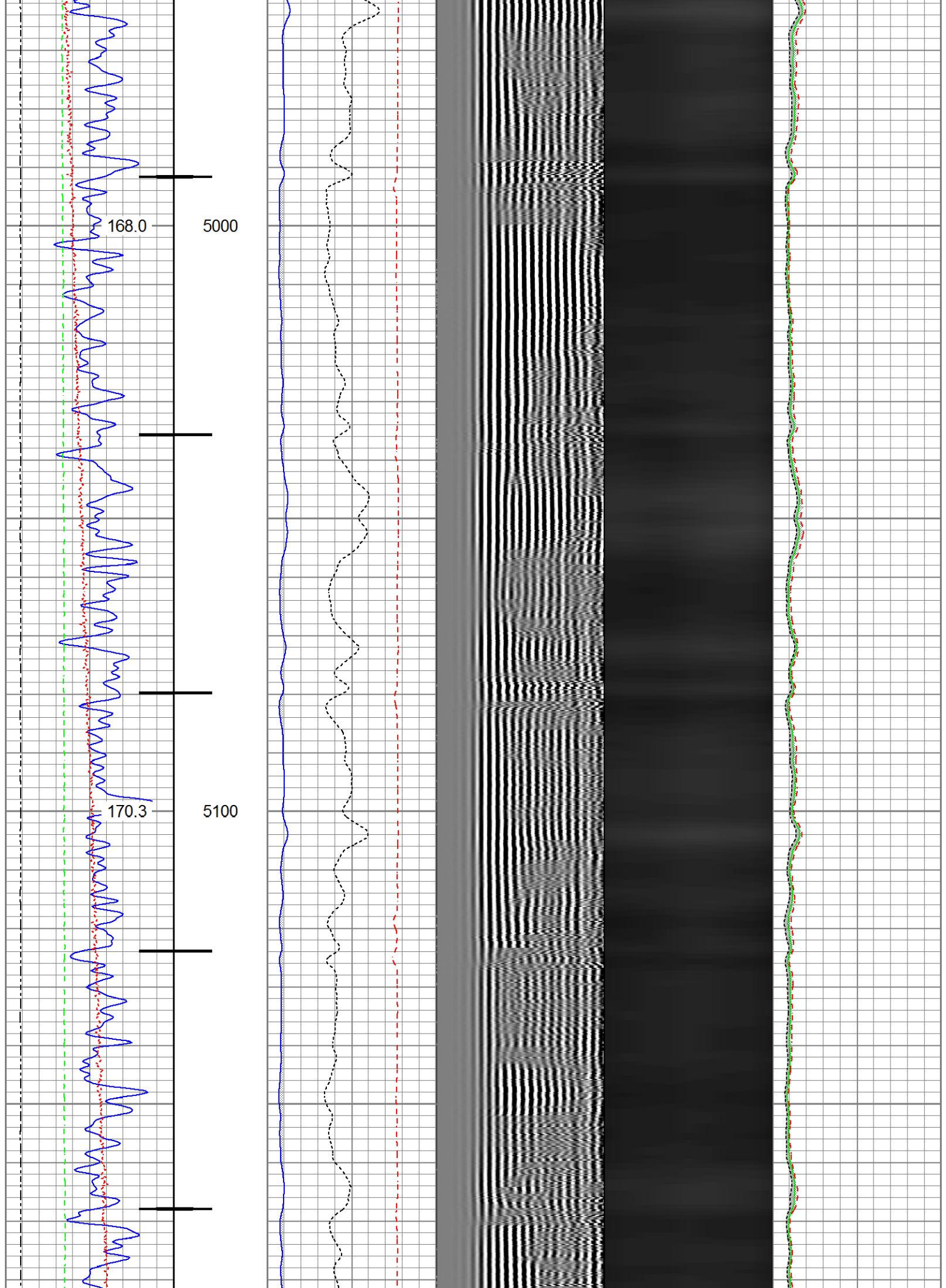


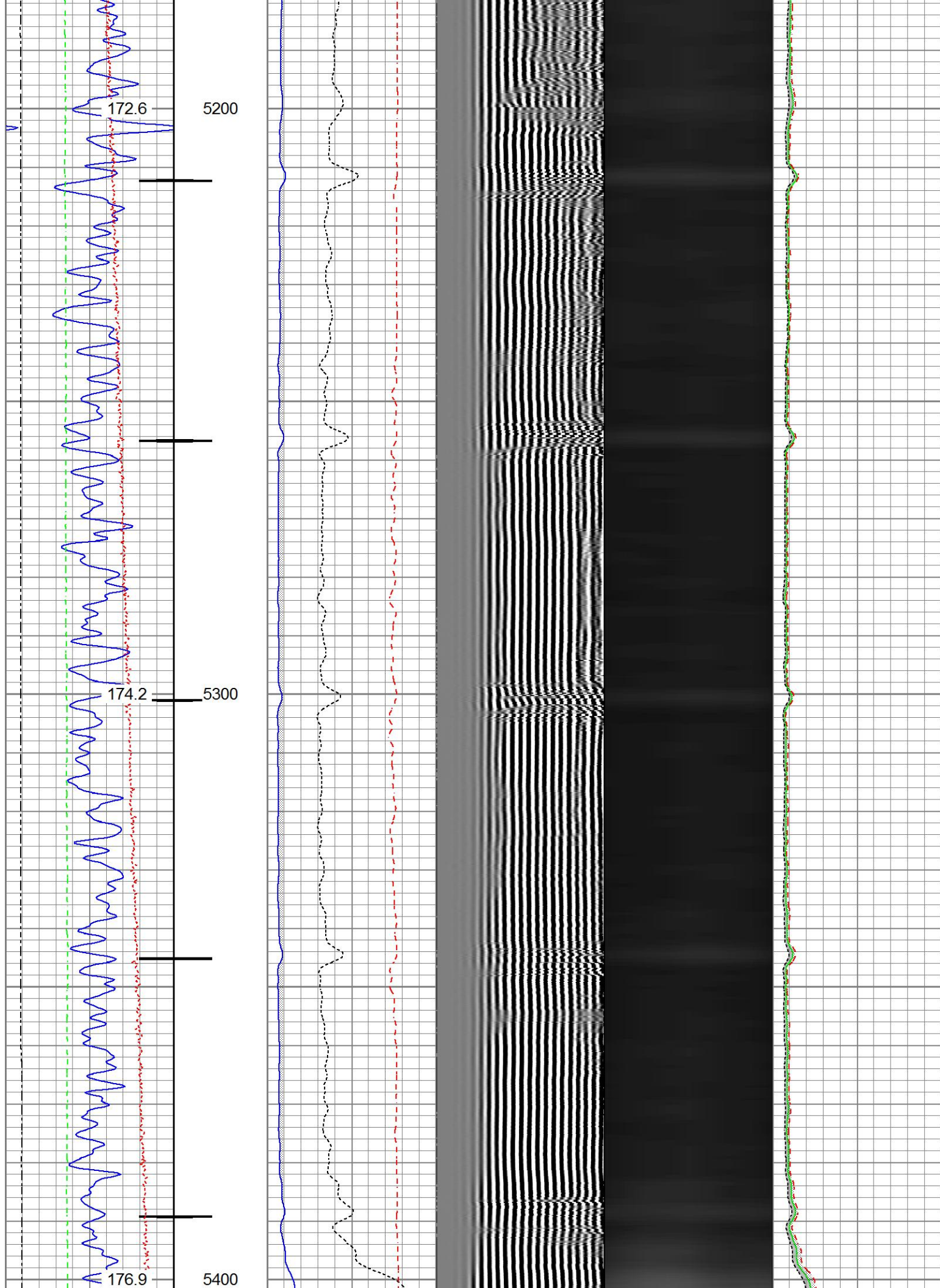


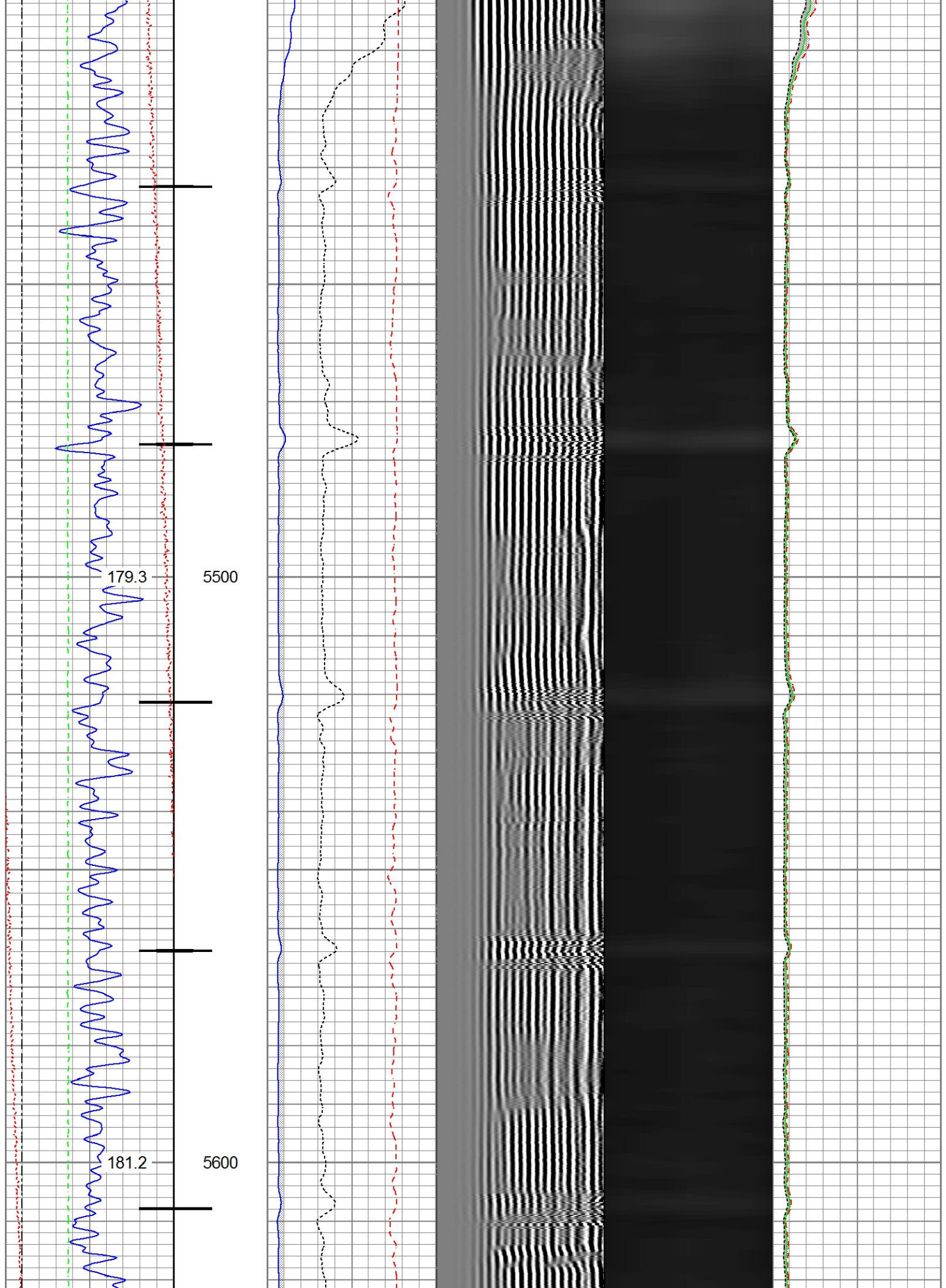


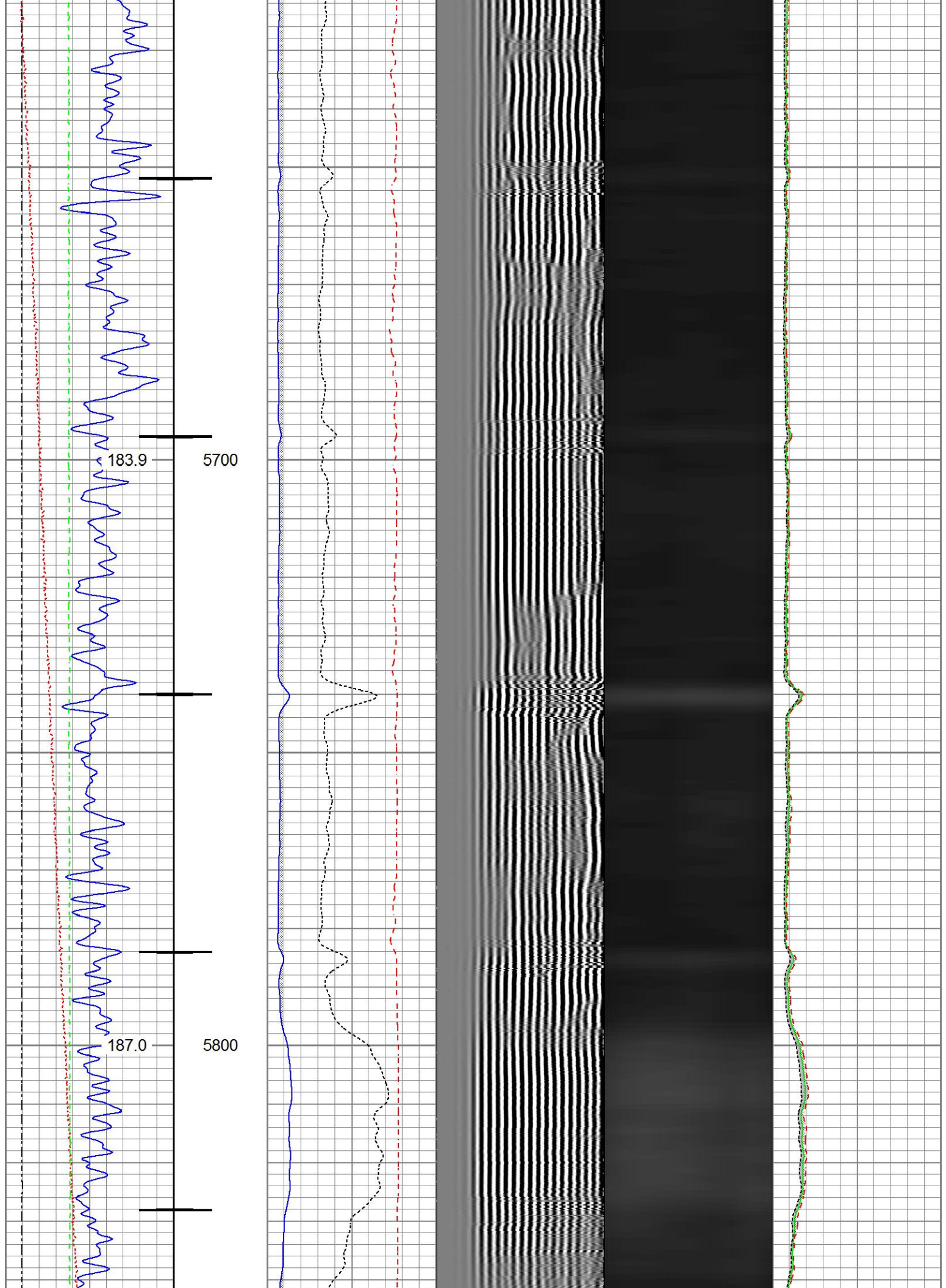


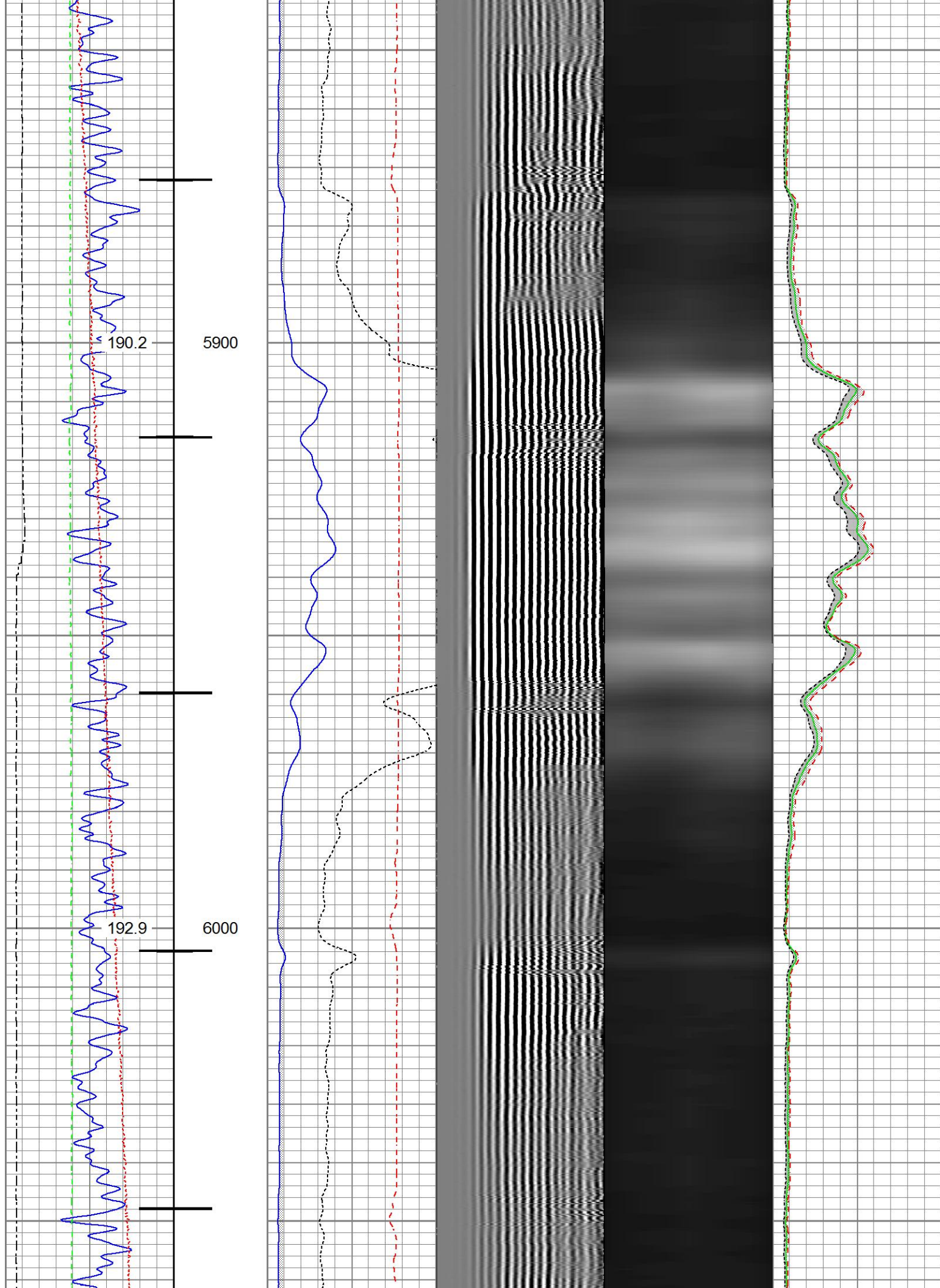


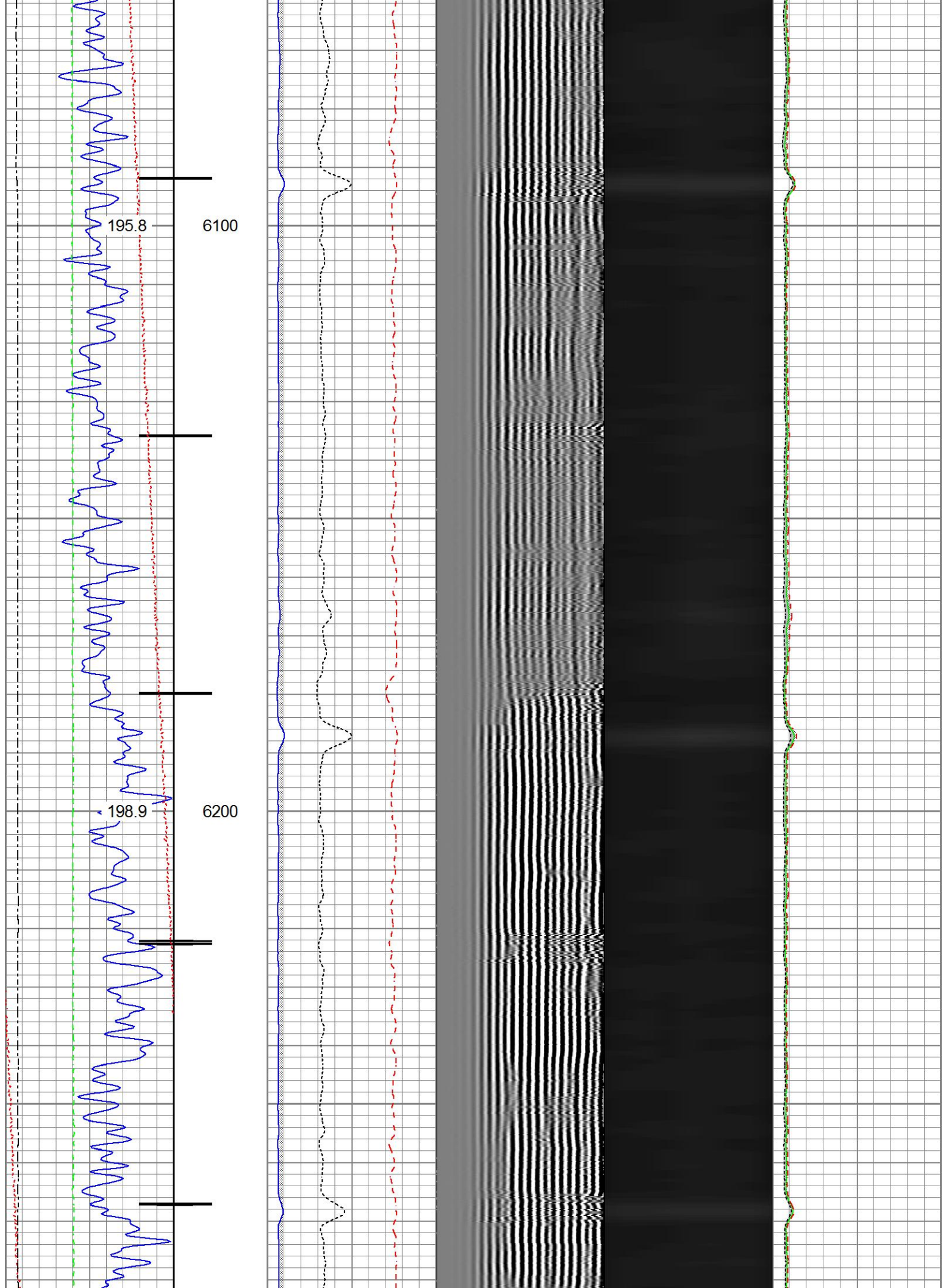


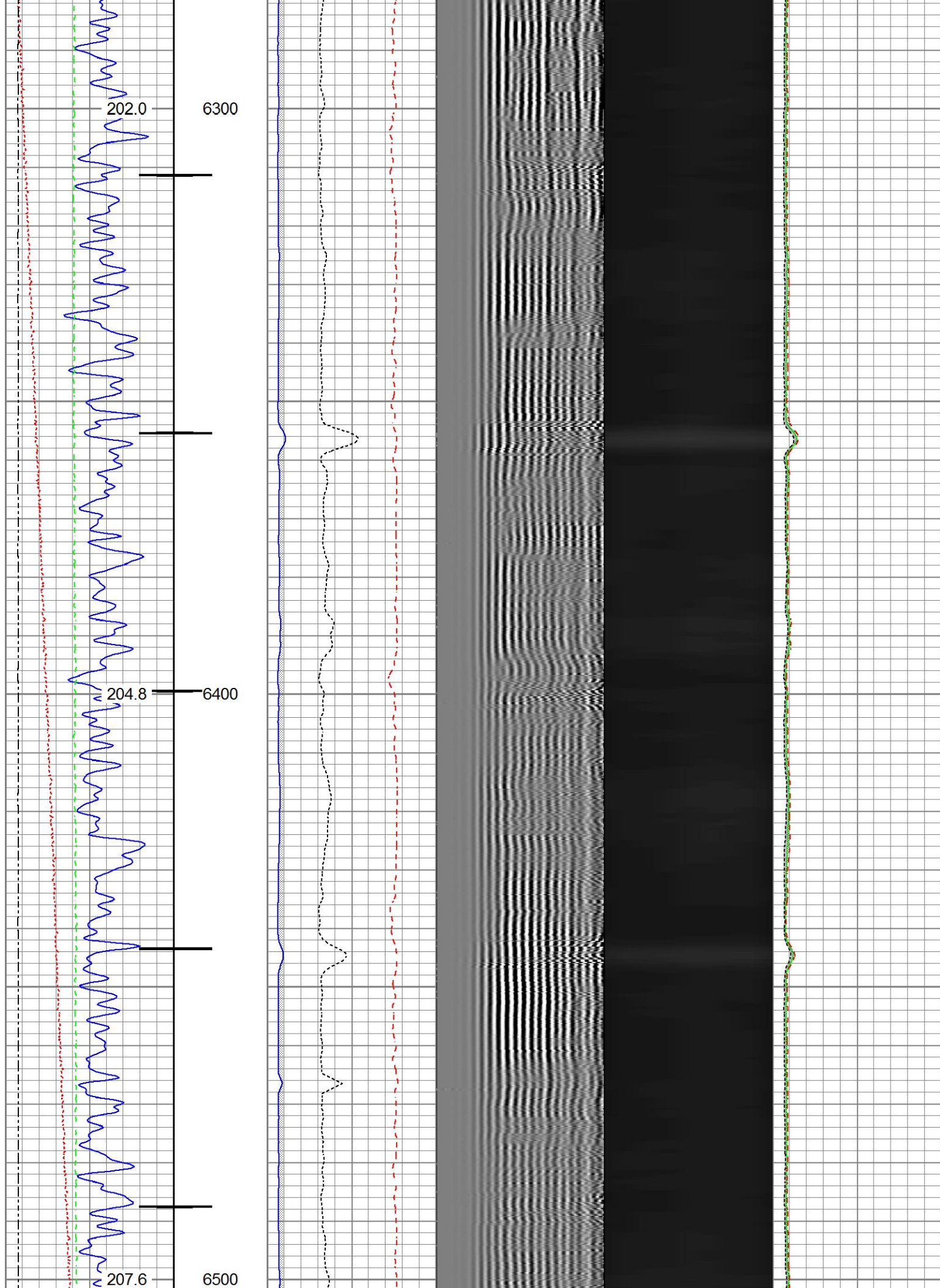


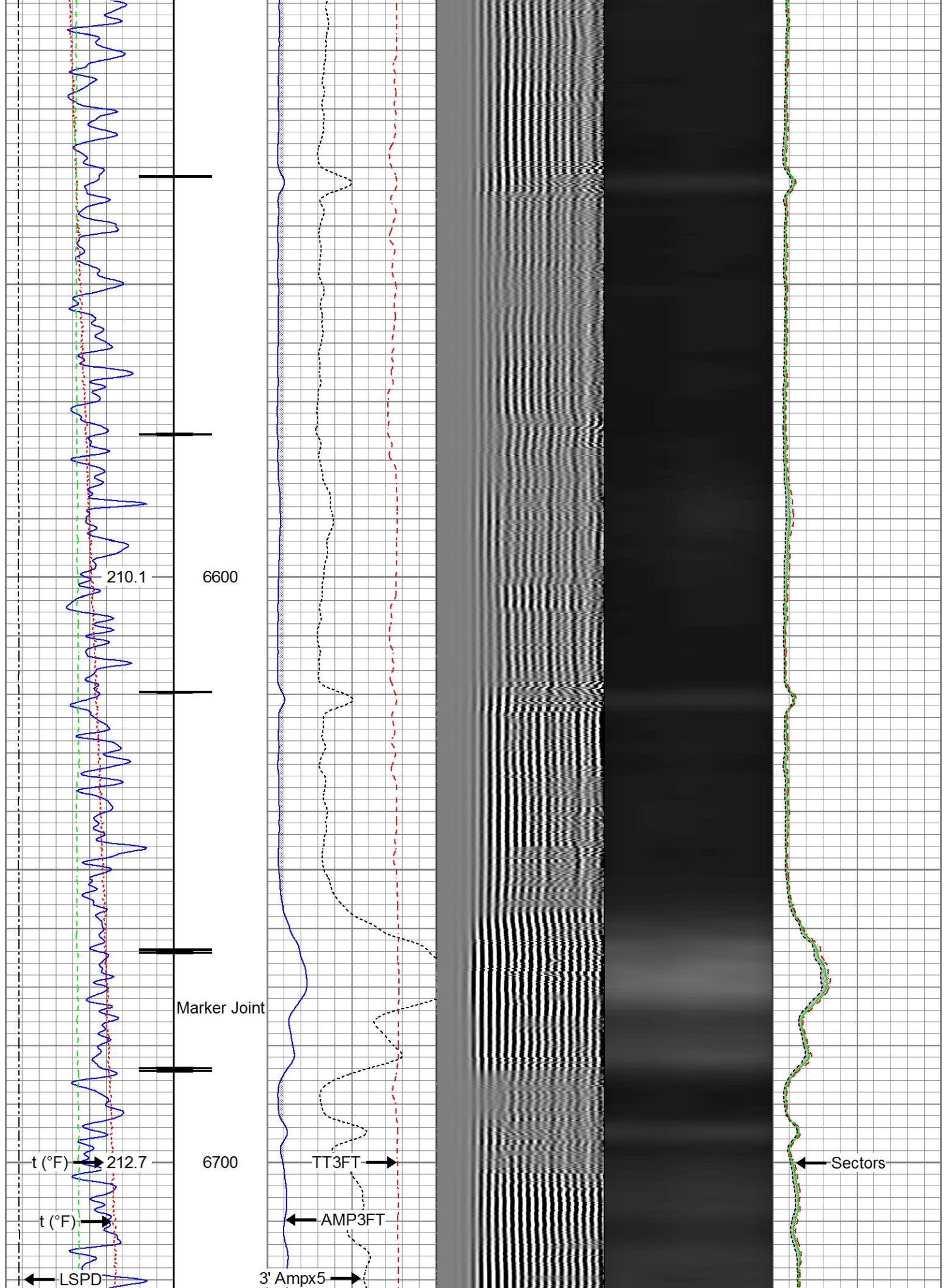


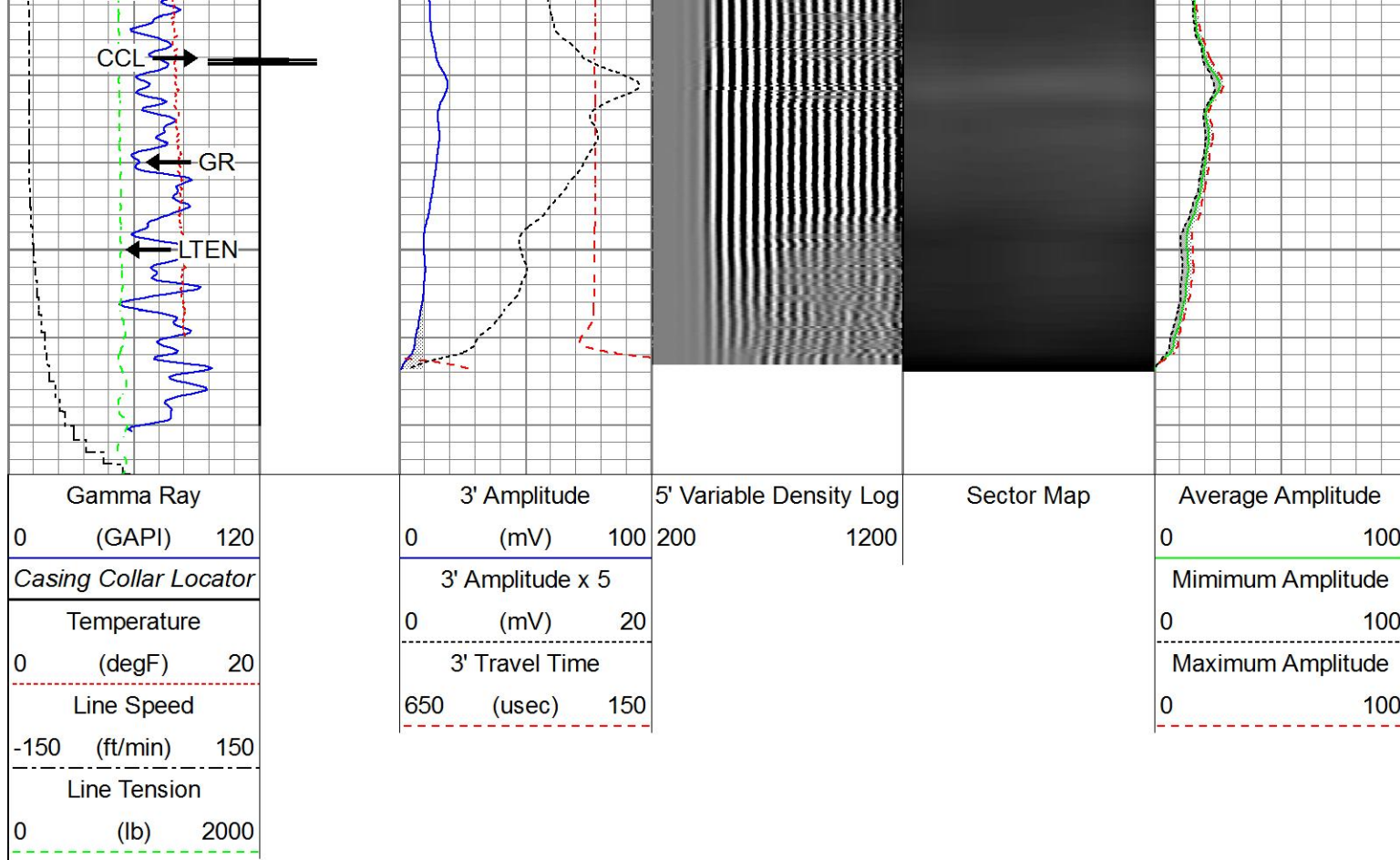








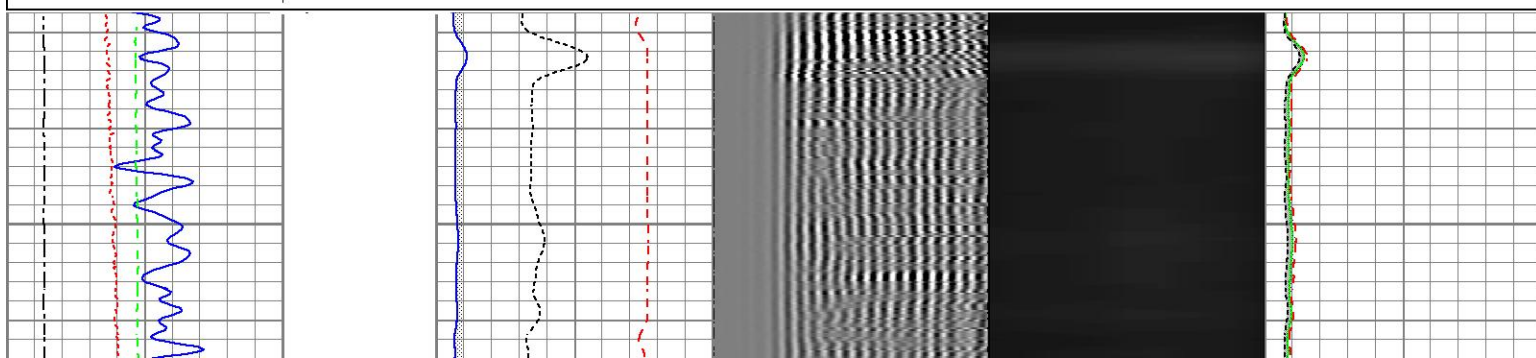
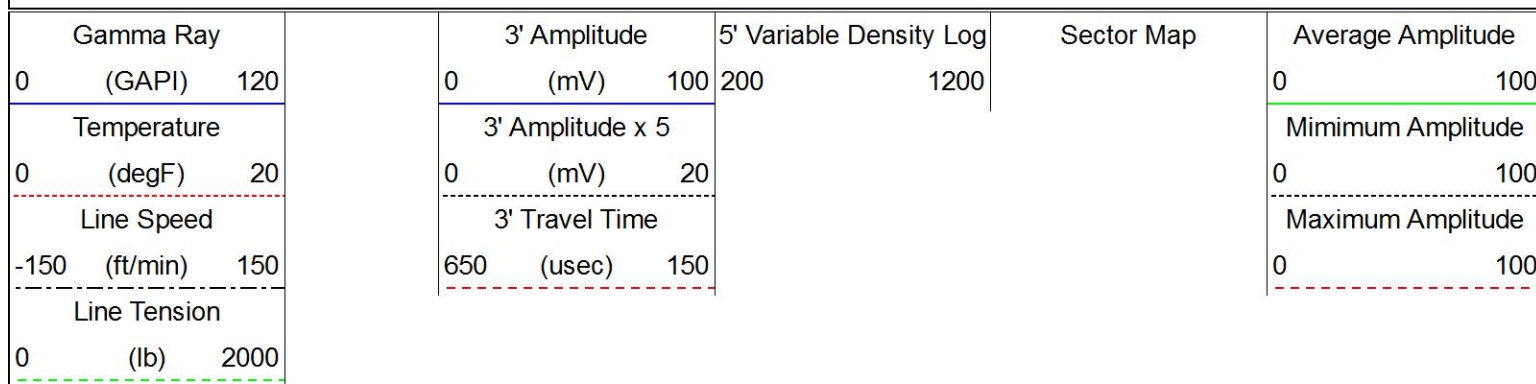


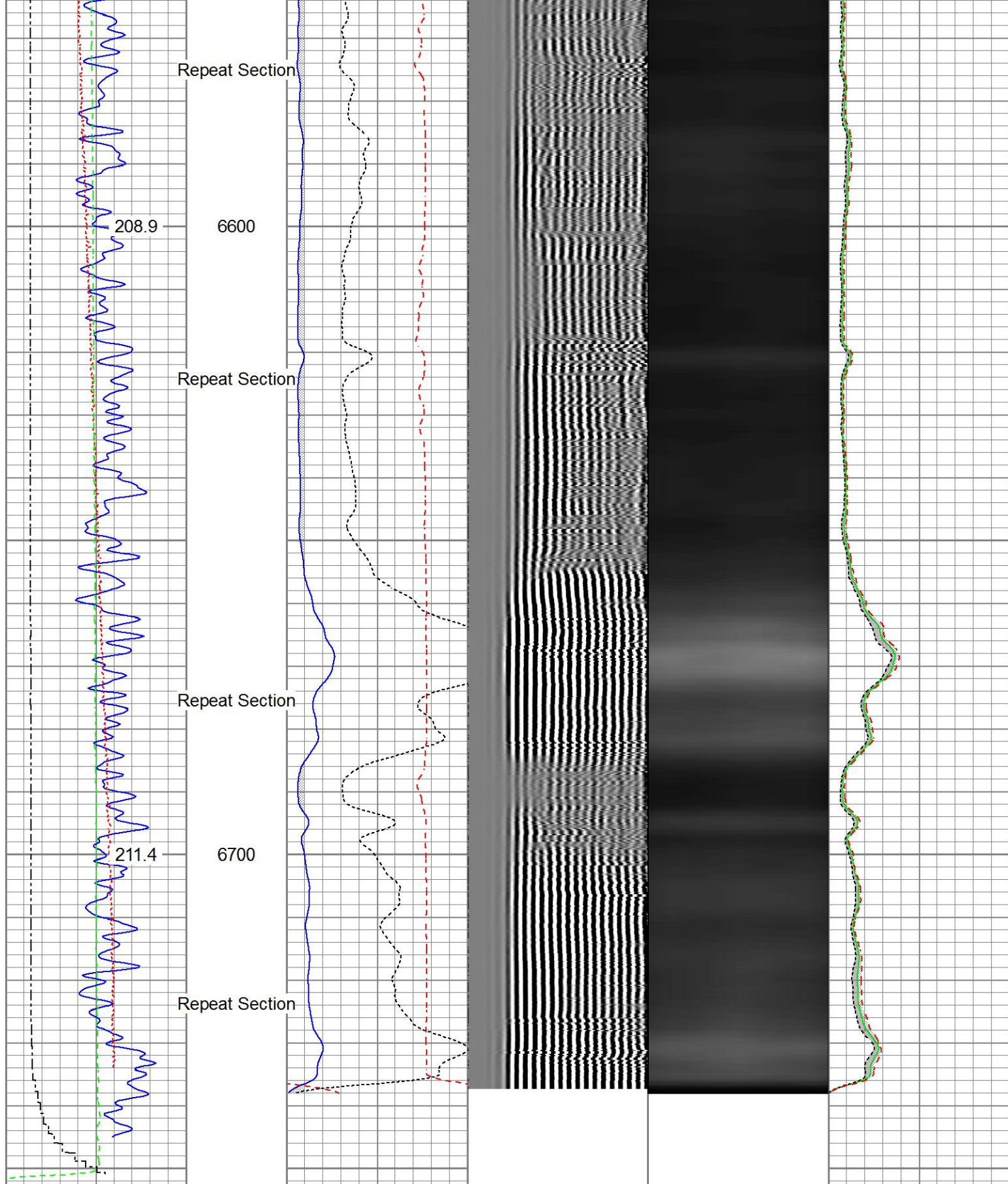


Repeat Pass





Recorded With 2800 PSI Surface Induced Pressure

Database File: anadarko_hopper state 9n-34slhz\0512343021_anadarko_hopper state 9n-34slhz_04-16-17_rbl.db
 Dataset Pathname: pass12
 Presentation Format: ros_radrii
 Dataset Creation: Sun Apr 16 14:46:43 2017
 Charted by: Depth in Feet scaled 1:240





Line Tension		
0	(lb)	2000

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
HeadVolt	19.51		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	
Temp	16.72					
WVFS8	14.55		Probe_RADII-C-P_RBT_2750 (FW1302-009.19 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 (FW1214.541) 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: 0512343021_Anadarko_Hopper State 9N-34SLHZ_04-16-17_RBL.db: field/well/run1/pass14
Total length: 23.40 ft
Total weight: 225.40 lb
O.D.: 2.75 in

Calibration Report

Database File D:\Warrior\Data\Anadarko_Hopper State 9N-34SLHZ\0512343021_Anadarko_Hopper State 9N-34SLHZ_04
Dataset Pathname pass14
Dataset Creation Sun Apr 16 14:50:25 2017

Gamma Ray Calibration Report

Serial Number: FW1211-081
Tool Model: P_CGR_2750_S
Performed: Sat Feb 06 11:31:52 2016

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.6 cps

Sensitivity: 0.6061 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1302-002
Tool Model: P_RBT_2750

Calibration Casing Diameter: 5.500 in
Calibration Depth: 21.083 ft

Master Calibration, performed Sat Apr 15 14:06:14 2017:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	1.703	0.800	71.921	41.919	0.536
CAL	0.006	1.786				
5'	0.006	1.711	0.800	71.921	41.708	0.559
SUM						
S1	0.006	1.802	0.000	100.000	55.663	-0.319
S2	0.006	1.676	0.000	100.000	59.897	-0.385
S3	0.006	1.668	0.000	100.000	60.178	-0.371
S4	0.007	1.657	0.000	100.000	60.578	-0.395
S5	0.006	1.679	0.000	100.000	59.765	-0.363
S6	0.007	1.702	0.000	100.000	58.981	-0.386
S7	0.006	1.708	0.000	100.000	58.777	-0.366
S8	0.006	1.706	0.000	100.000	58.799	-0.339

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.006	1.786	1.000	0.000

Air Zero Calibration, performed Sat Apr 15 14:06:35 2017:

	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset

3'	0.006	0.000	0.000
5'	0.006	0.000	-0.000
SUM			
S1	0.006	0.000	0.000
S2	0.006	0.000	0.000
S3	0.006	0.000	0.000
S4	0.007	0.000	0.000
S5	0.006	0.000	-0.000
S6	0.007	0.000	0.000
S7	0.006	0.000	0.000
S8	0.006	0.000	-0.000



Company	Kerr-McGee Oil & Gas Onshore, L.P.
Well	Hopper State 9N-34SLHZ
Field	Wattenberg
County	Weld
State	Colorado