



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company	Kerr-McGee Oil & Gas Onshore, L.P.		
Well	Wilson Ranch 33C-27HZ		
Field	Wattenberg		
County	Weld		
State	Colorado		
Location:	Company	Kerr-McGee Oil & Gas Onshore, L.P.	
	Well	Wilson Ranch 33C-27HZ	
	Field	Wattenberg	
	County	Weld	
Other Services	State	Colorado	
	API # :	05-123-41052	
	SEC	26	TWP 4N RGE 68W
	Permanent Datum	Ground Level	
Elevation	Log Measured From	Kelly Bushing	
	Drilling Measured From	Kelly Bushing	
	Elevation		5072'
K.B. 5092'		D.F. 5091'	
G.L. 5072'			

Date	27-Jan-2016
Run Number	Two
Depth Driller	17004 FT
Depth Logger	7675 FT
Bottom Logged Interval	7553 FT
Top Log Interval	Surface
Open Hole Size	7.875"
Type Fluid	Water
Density / Viscosity	8.34 lbm/gal
Max. Recorded Temp.	230°F
Estimated Cement Top	Surface
Time Well Ready	ROA
Time Logger on Bottom	9:00
Equipment Number	HD-0343
Location	Fort Lupton, CO
Recorded By	Robert Fogarty
Witnessed By	Levi McArthur

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size (in)	Wgt (lbs/Ft)	Grade	Top	Bottom		
Surface Casing	9 5/8	36	J-55 LT&C	Surface	1857 FT		
Intermediate #1	5 1/2	17	HCP-110 LTC	Surface	16989 FT		
Intermediate #2							
Liner							

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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

Log ran as per customer request
Depth referenced to Casing Tally Reported Marker Joint at 6774.7 FT
Log Adjusted +1.5 FT to Correlate to Marker Joint
Gauge Ring Ran to 7675 FT
Log ran as deep as possible to surface
Recorded with 2800 PSI surface induced pressure
Logging tools were clean and free of debris upon completion of operations
Thank you for choosing FMC Technologies Surface Integrated Services.



Main Pass

Recorded with 2800 PSI Surface Induced Pressure

Database File:z:\logs_for_processing\logs to be reviewed\0512341052_anadarko_wilson ranch 33c-27hz_01-27-16

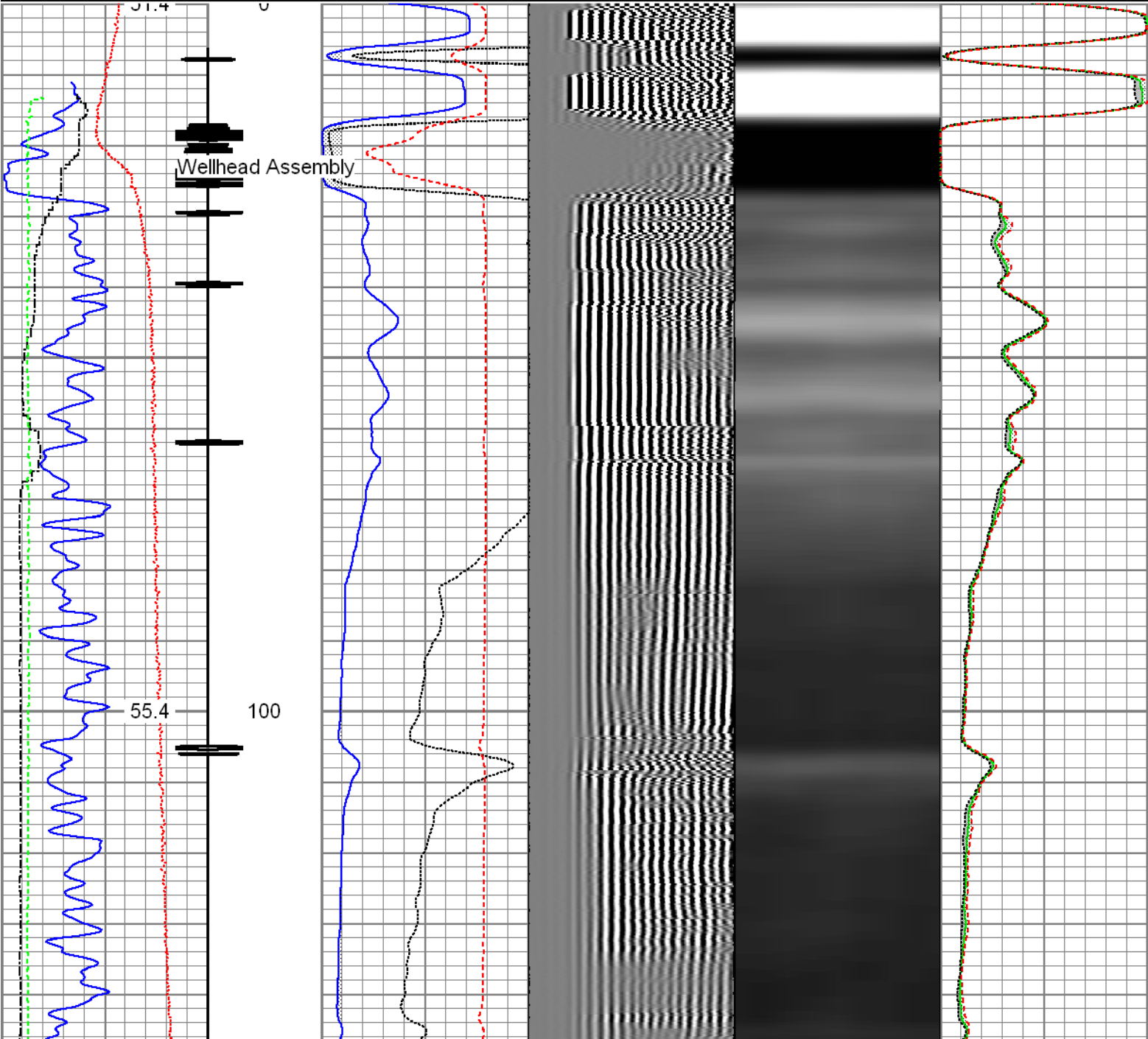
Dataset Pathname:pass9.1

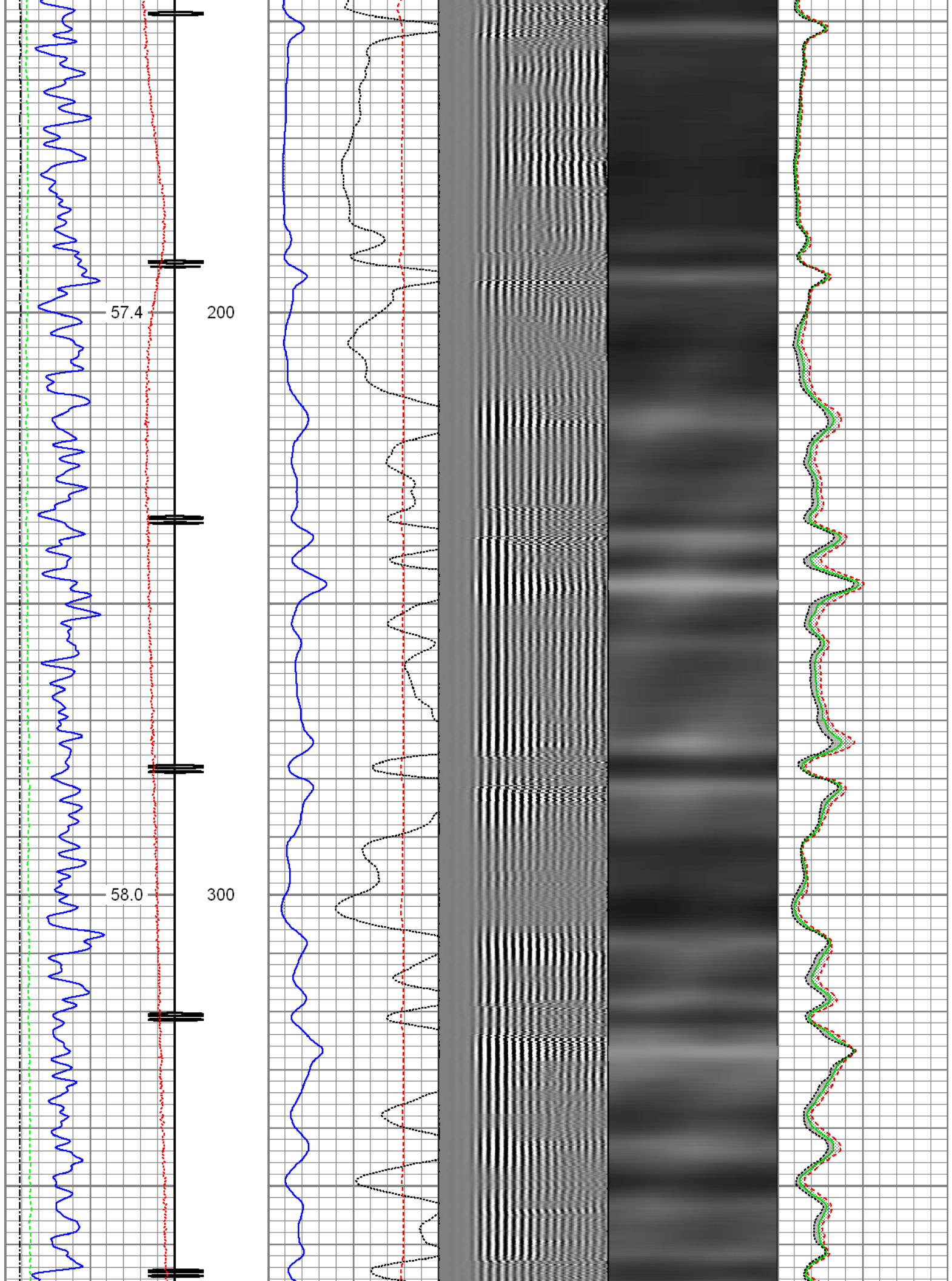
Presentation Format:radii

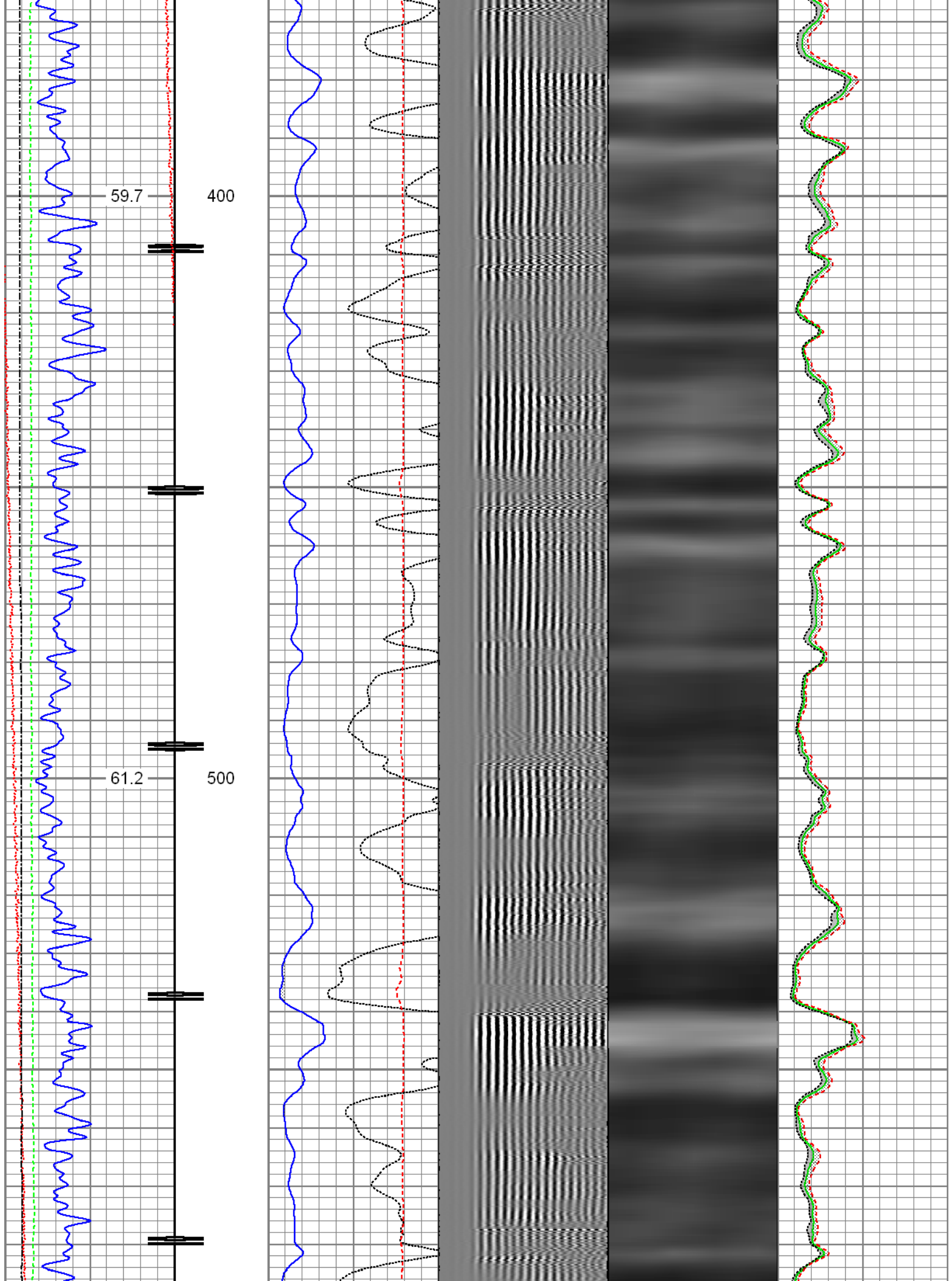
Dataset Creation:Thu Jan 28 08:51:37 2016 by Calc SCH 120430

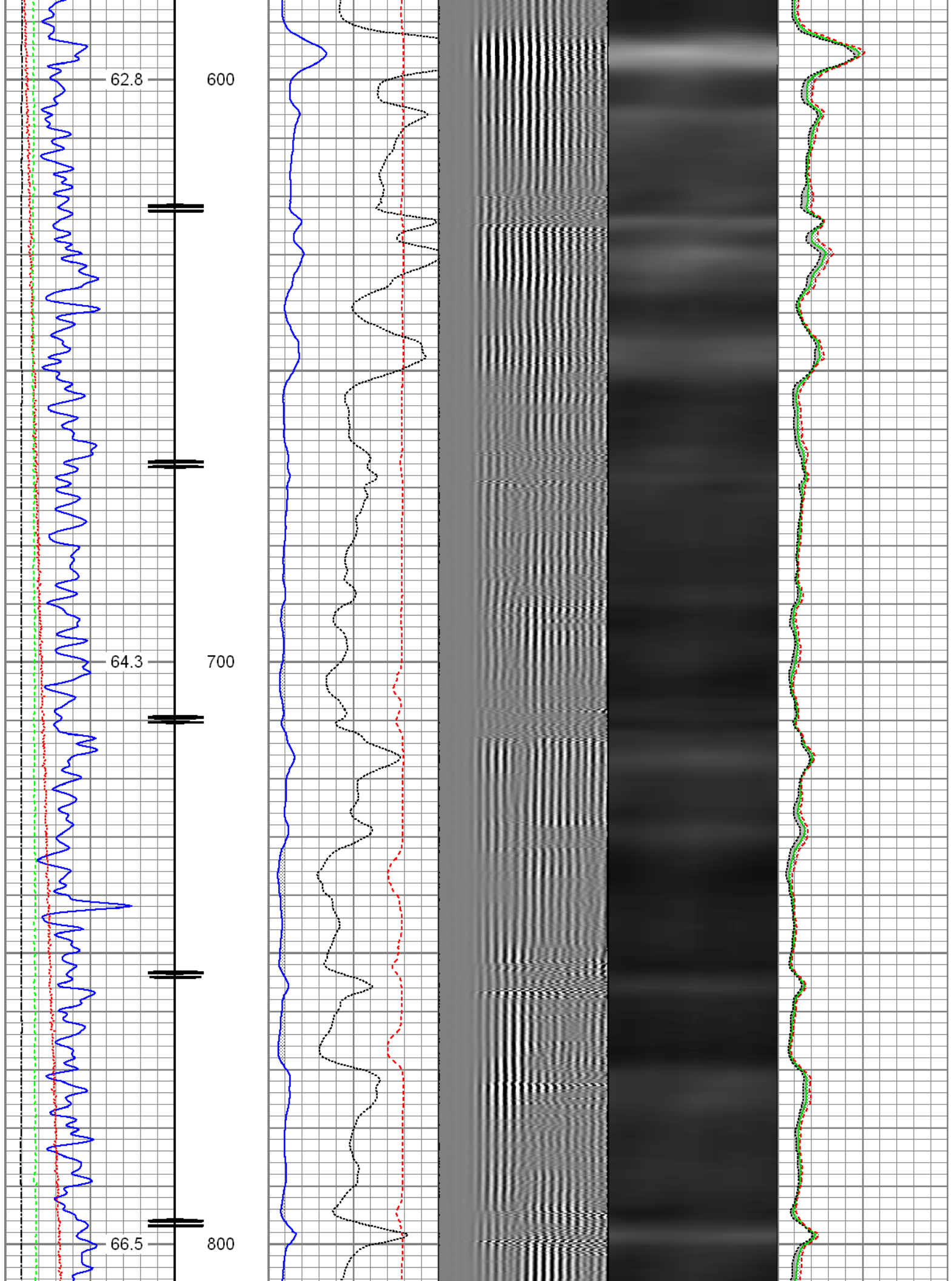
Charted by:Depth in Feet scaled 1:240

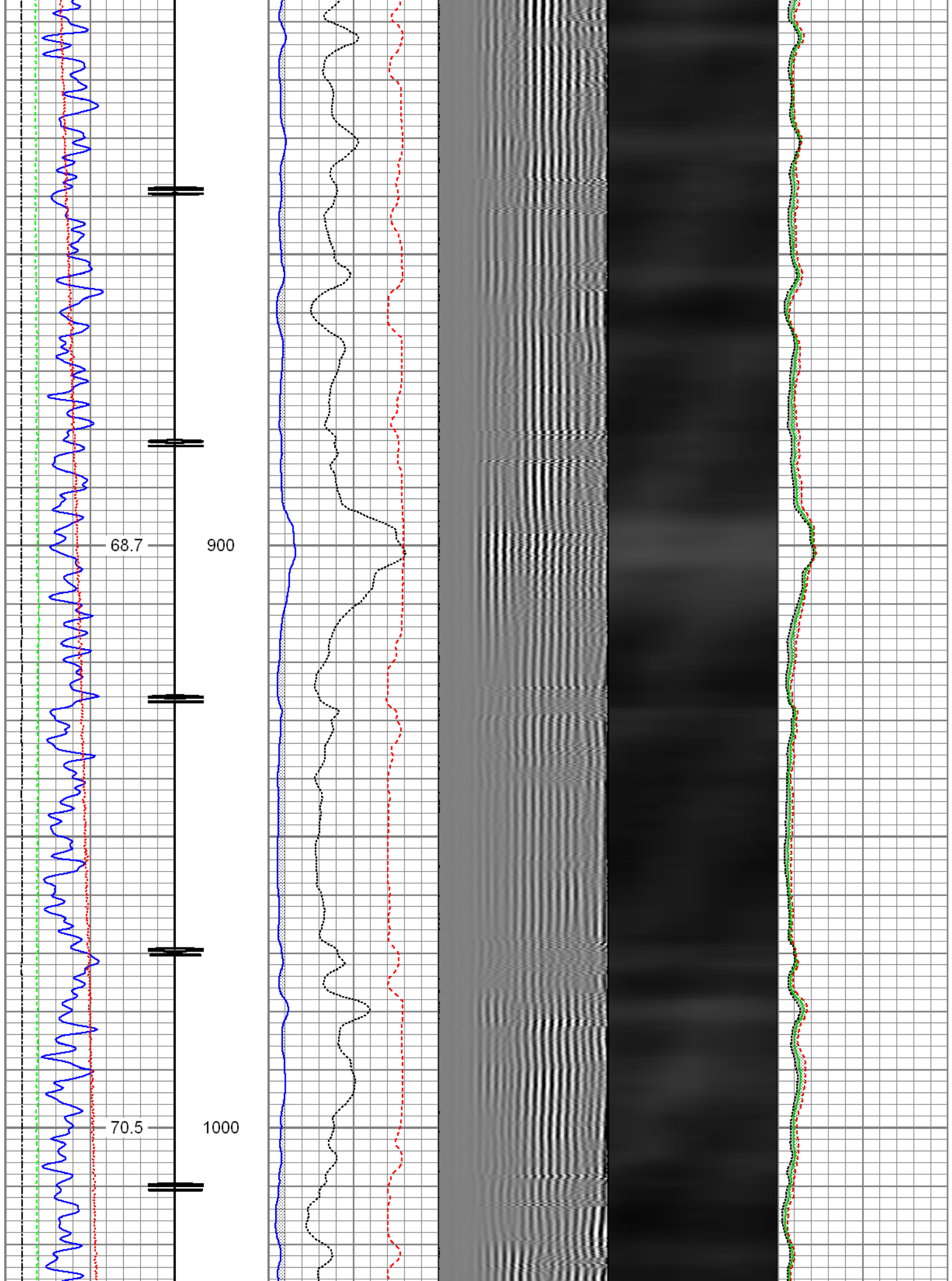
Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 180	0 (mV) 100	200 1200		0 100
Casing Collar Locator	3' Amplitude x 5			Mimimum Amplitude
Temperature	0 (mV) 20			0 100
0 (degF) 20	3' Travel Time			Maximum Amplitude
Line Speed	650 (usec) 150			0 100
-150 (ft/min) 150				
Line Tension				
0 (lb) 2000				

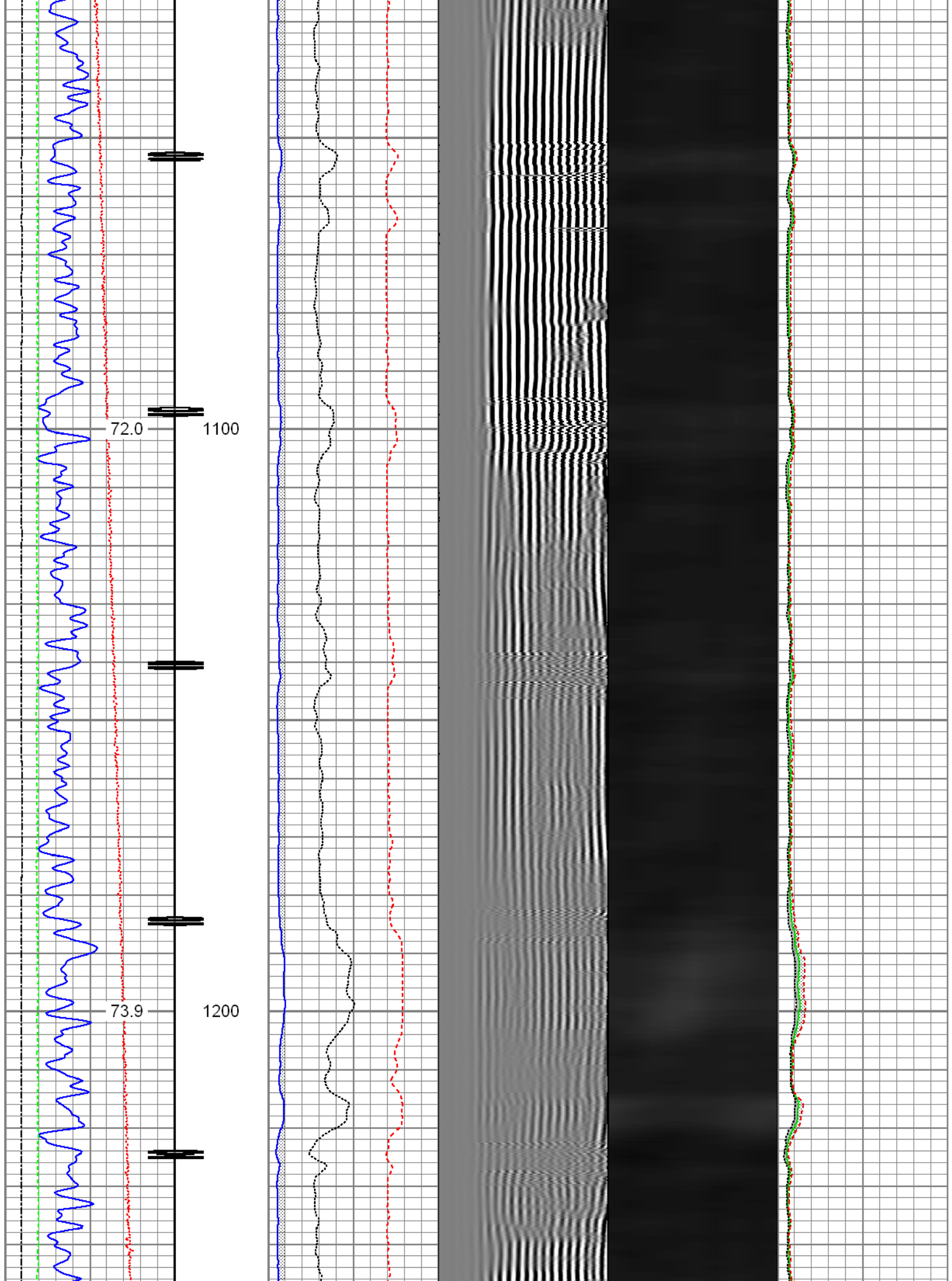


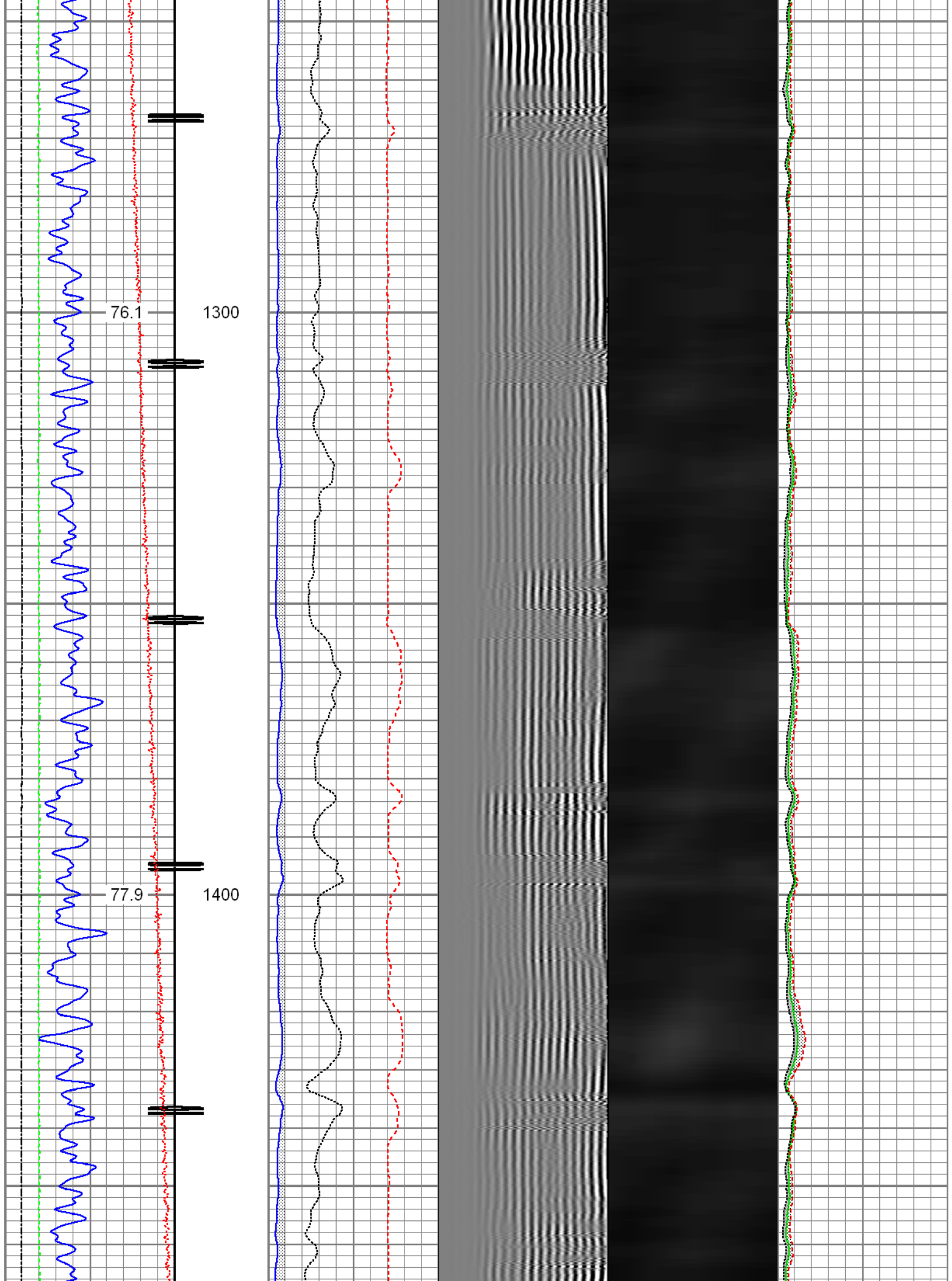


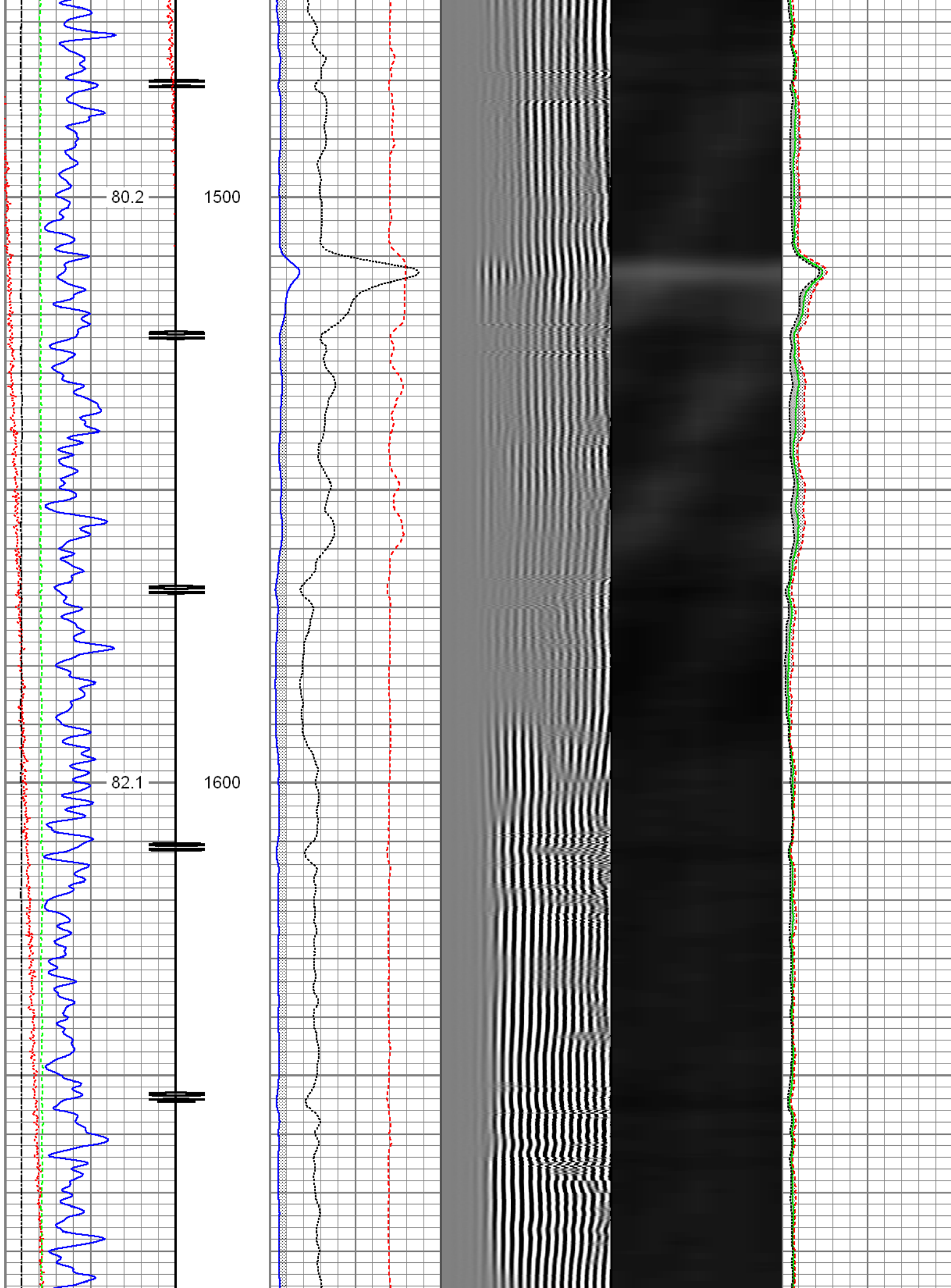


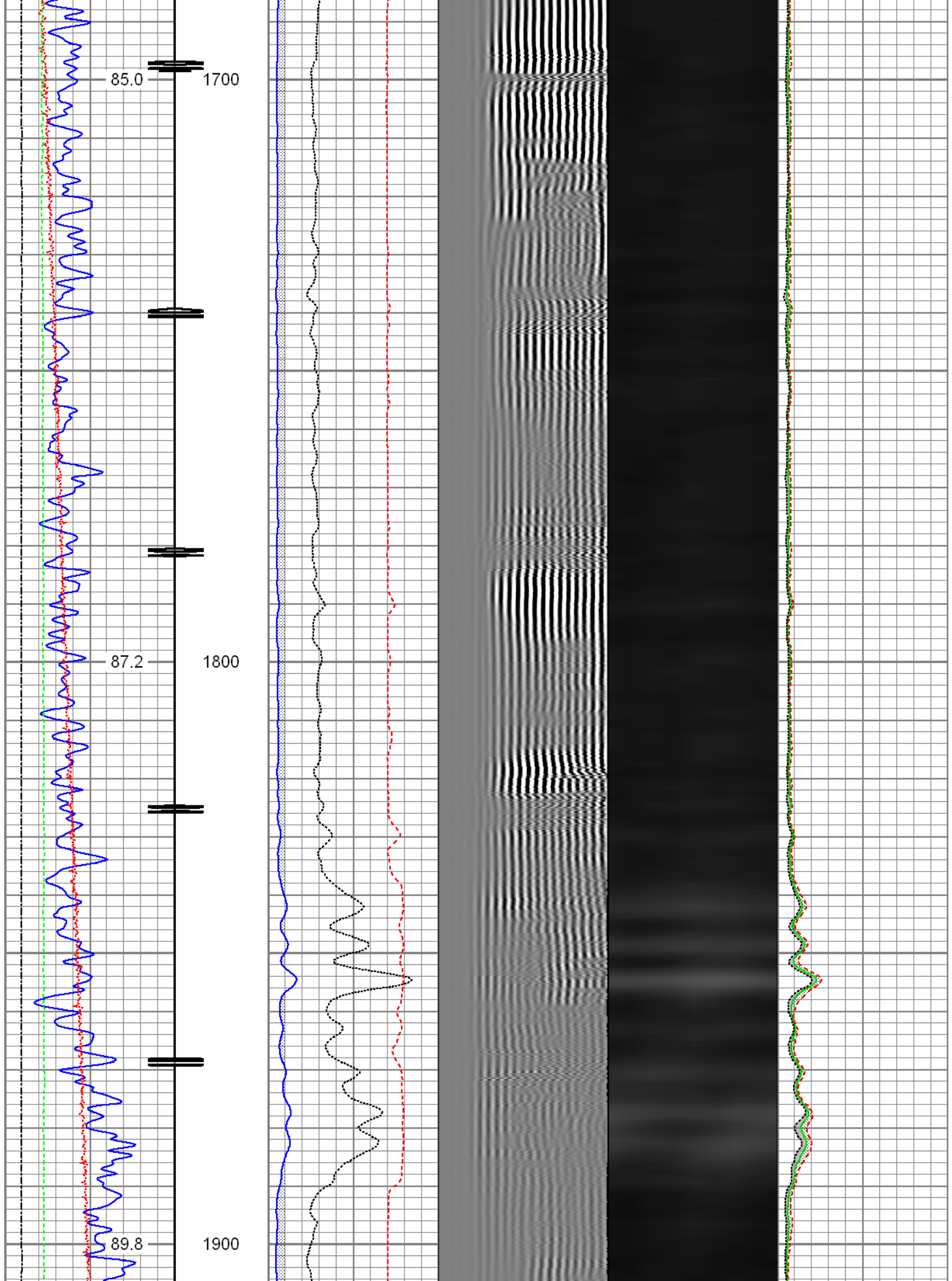


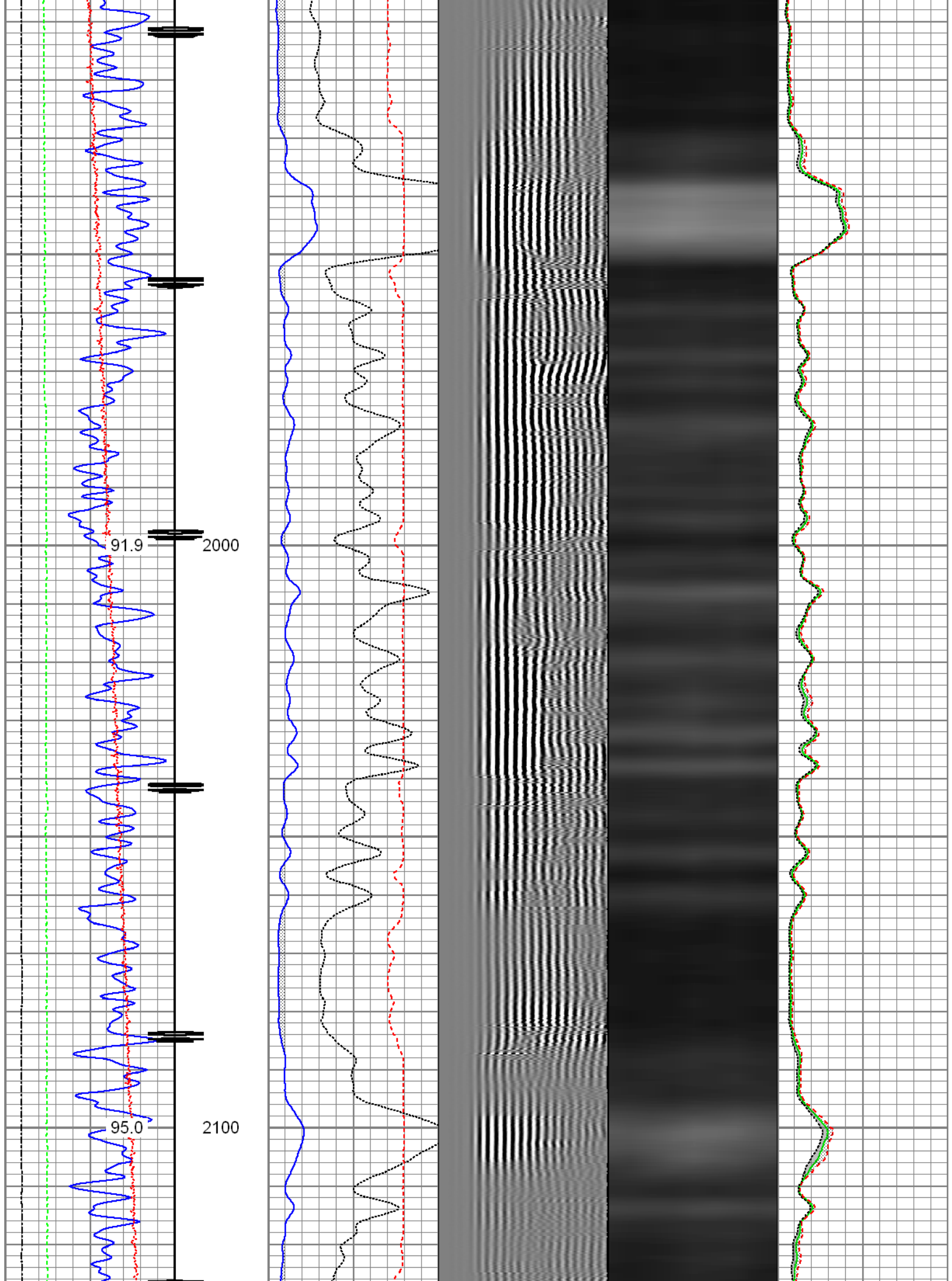


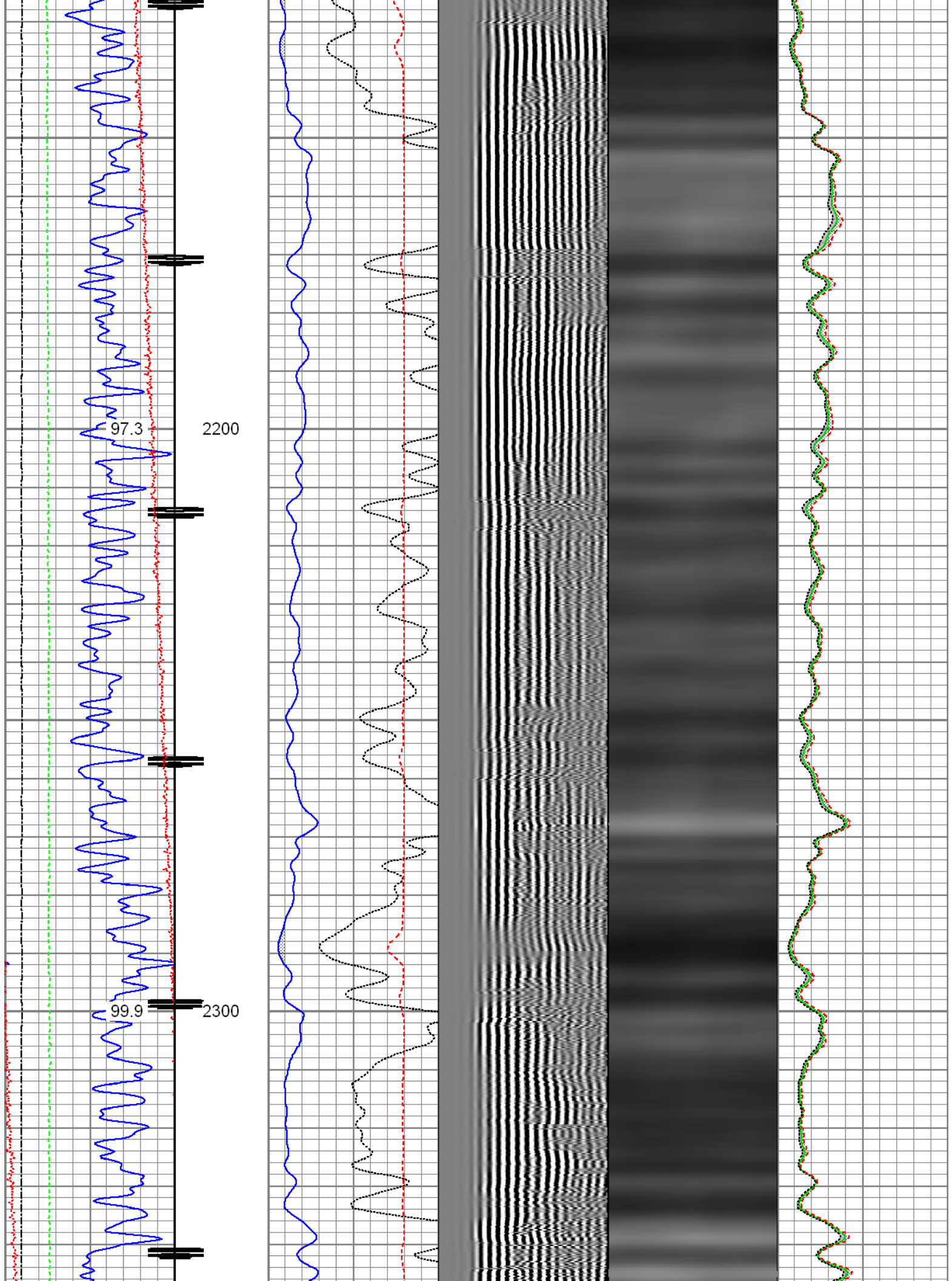


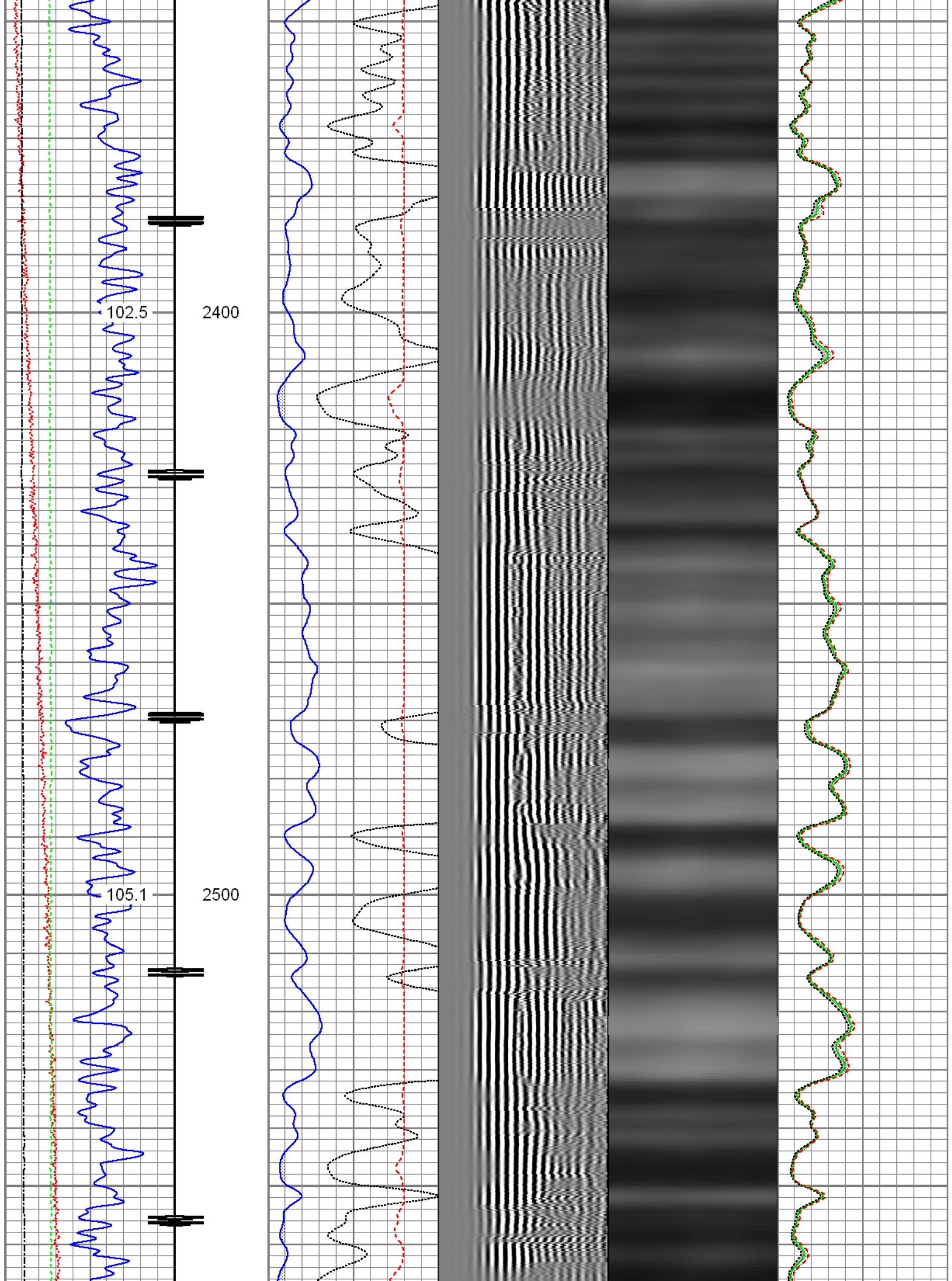


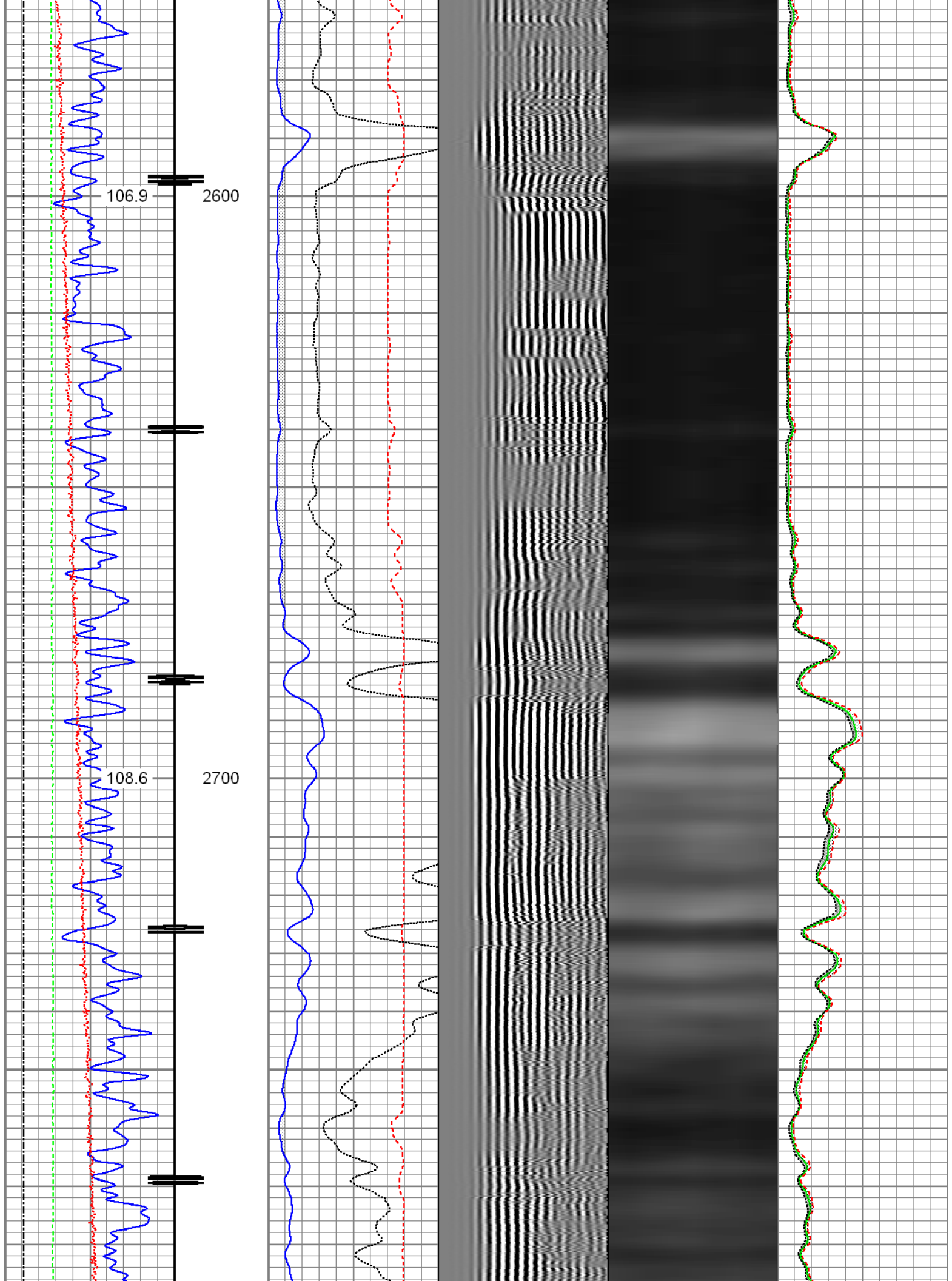


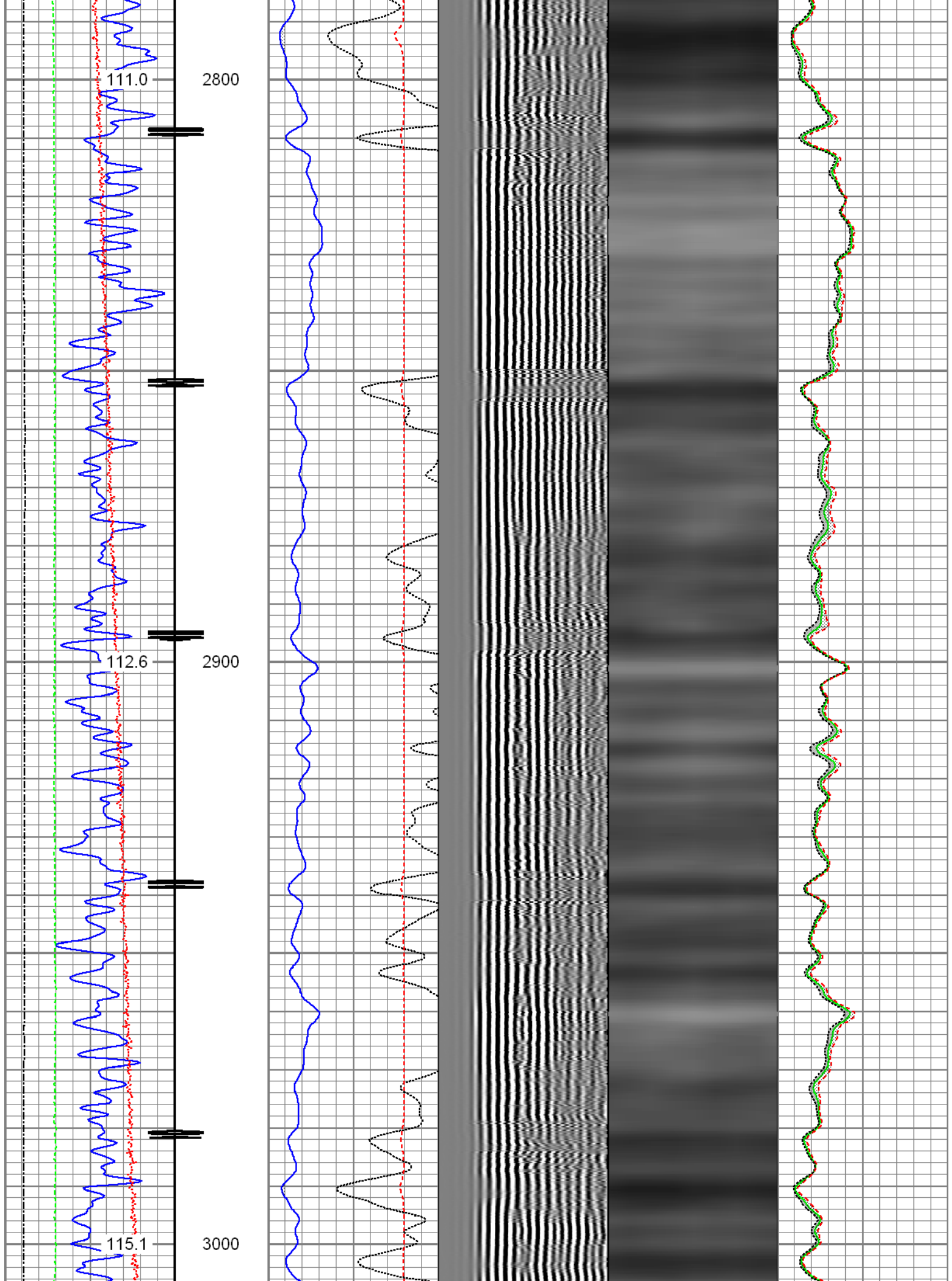


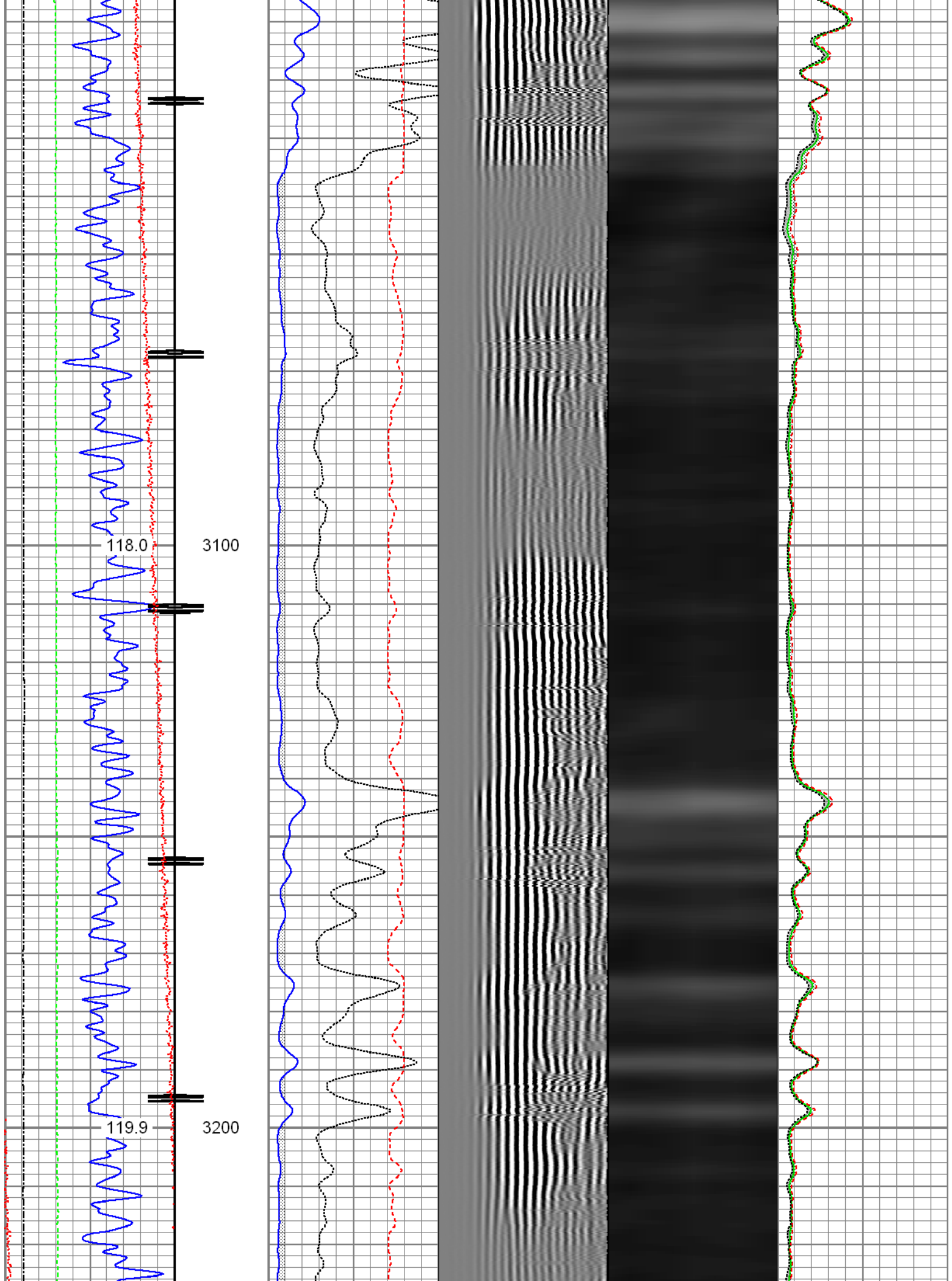


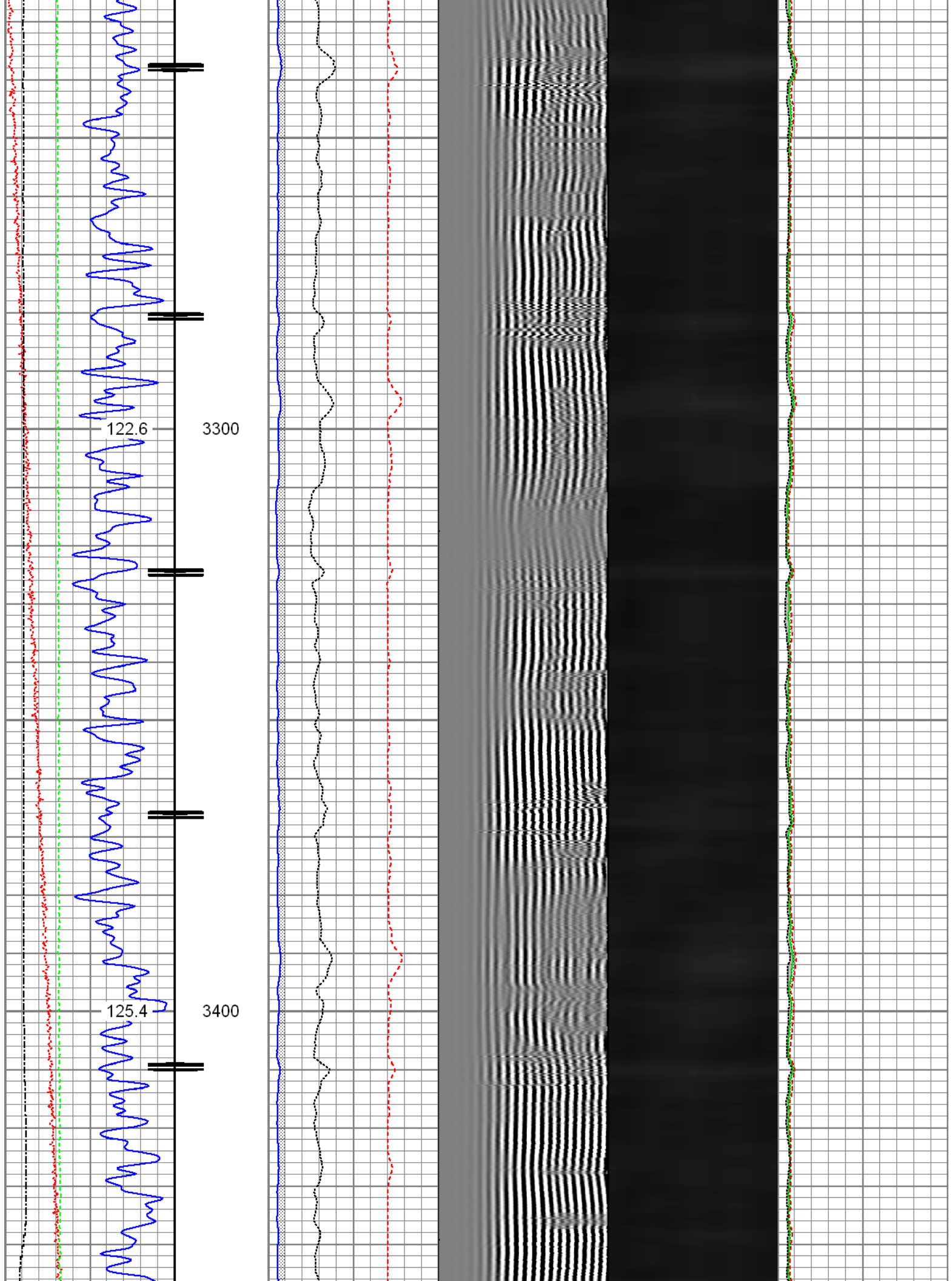


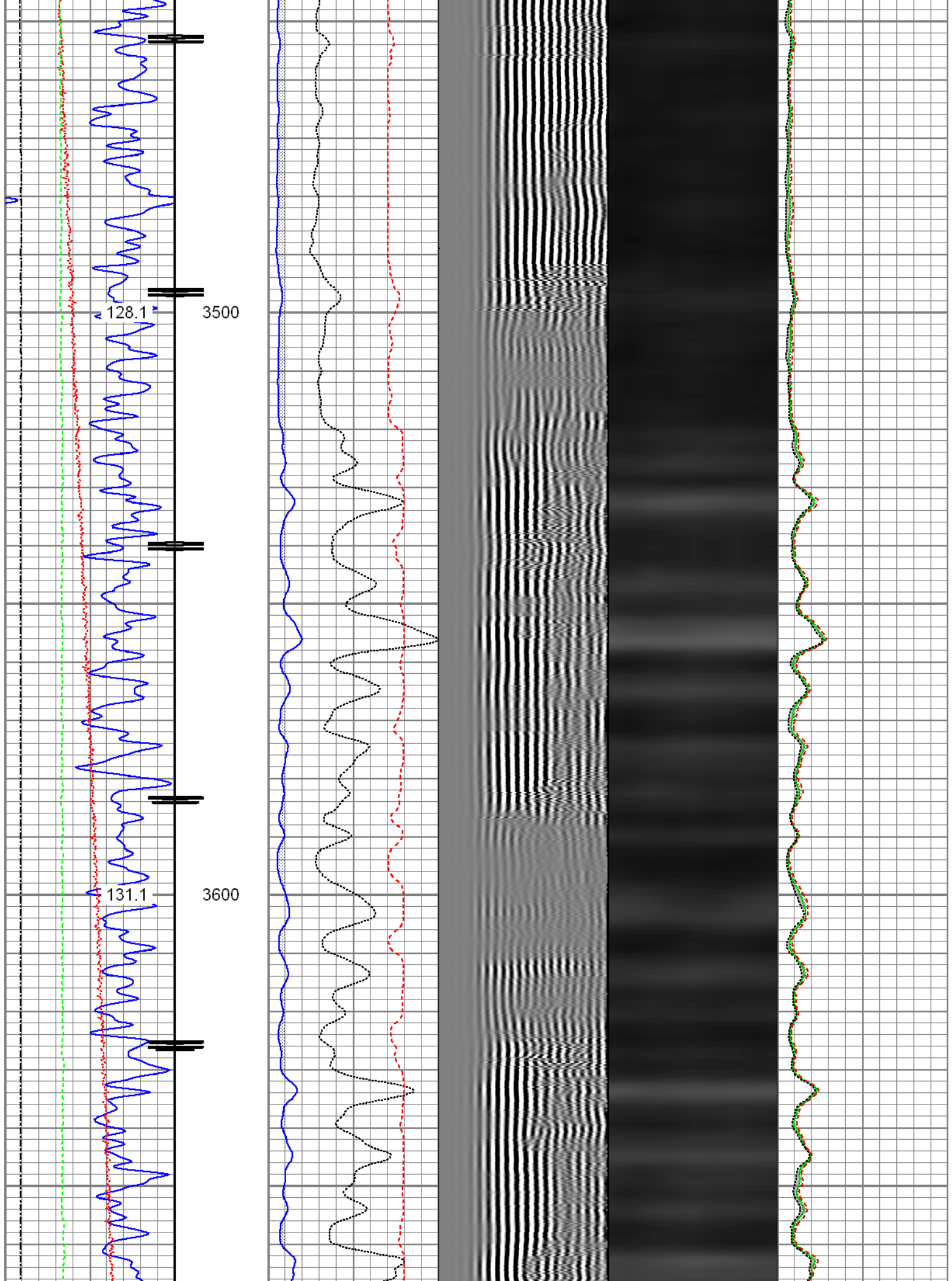


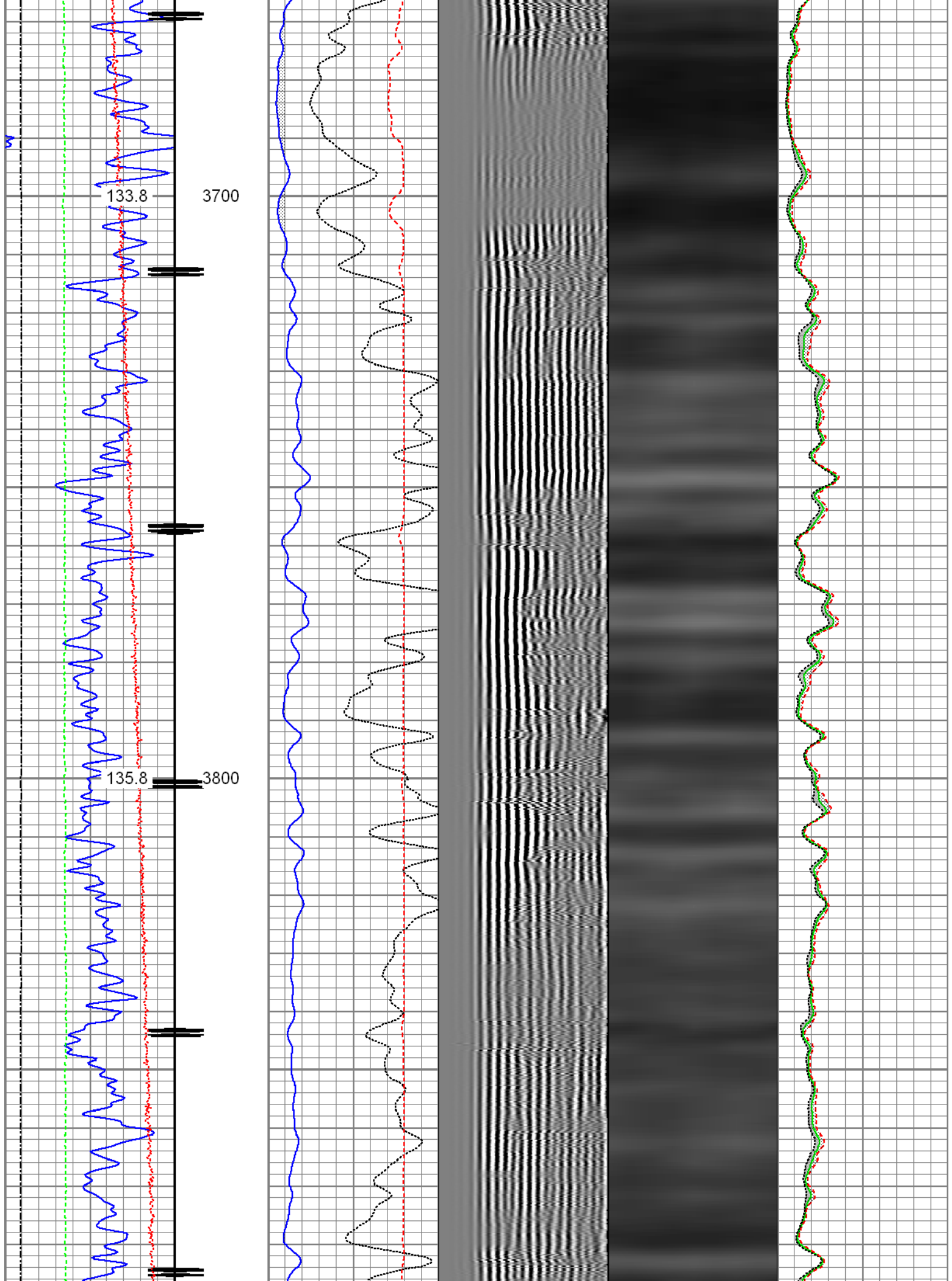


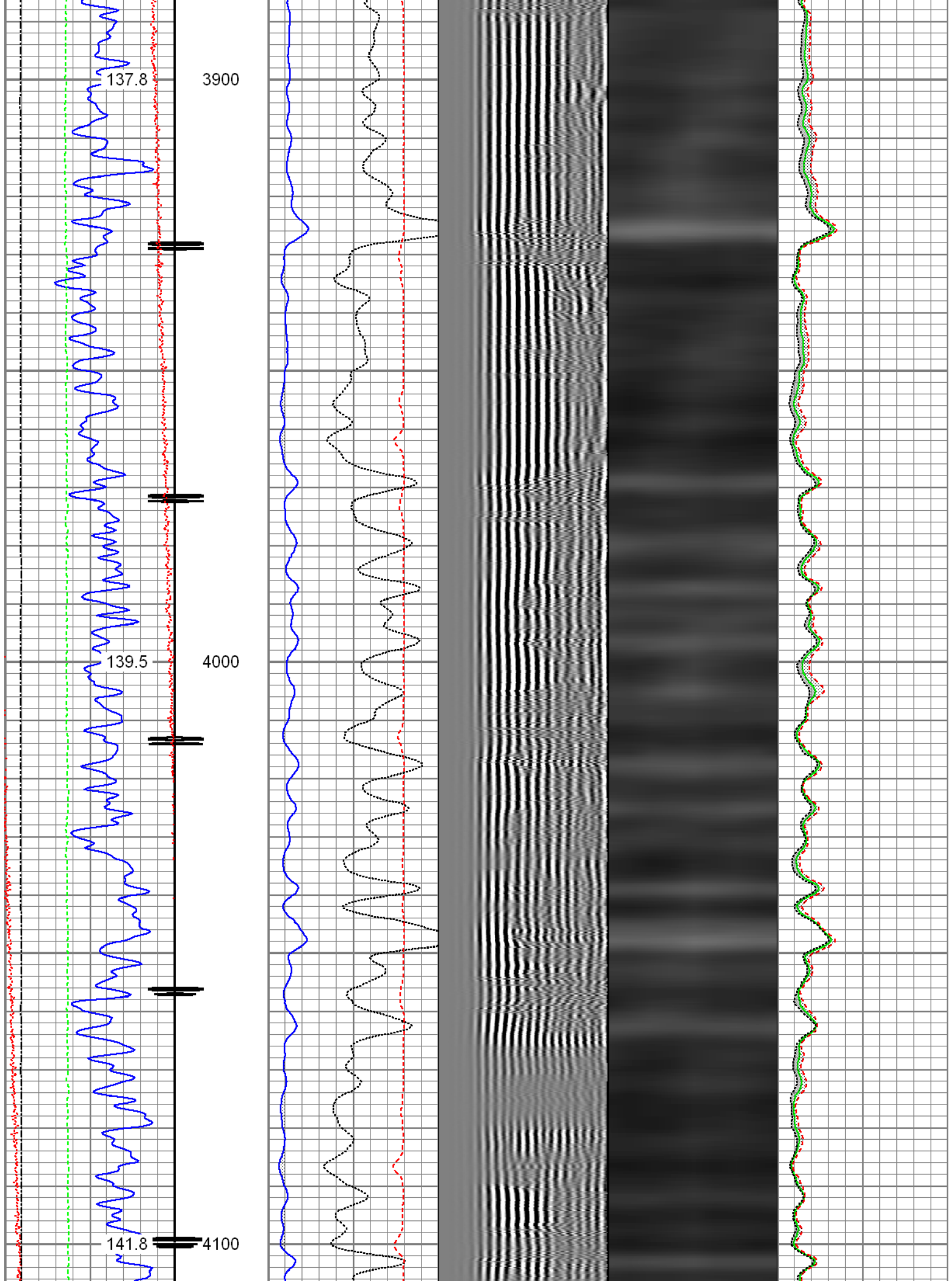


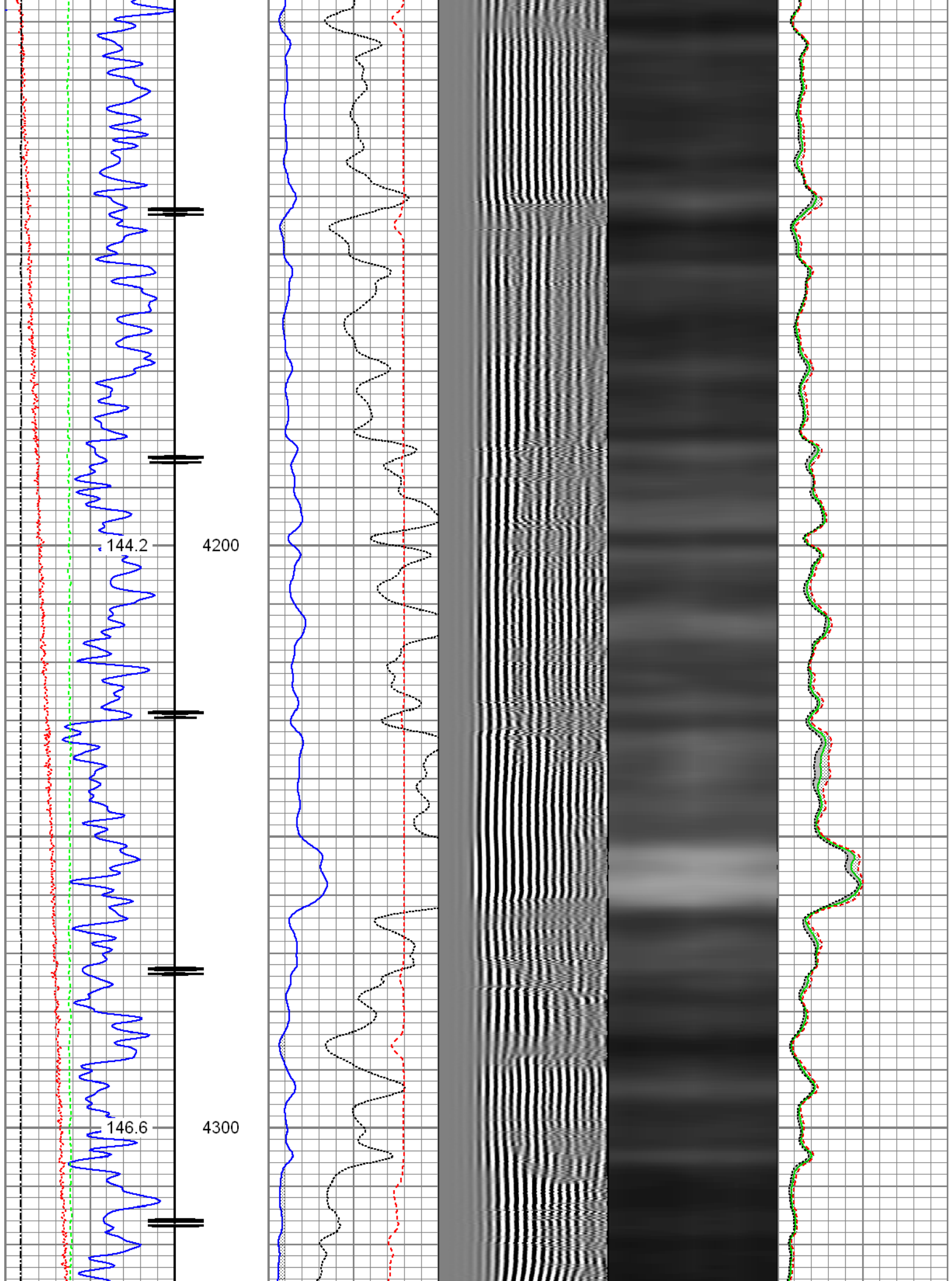


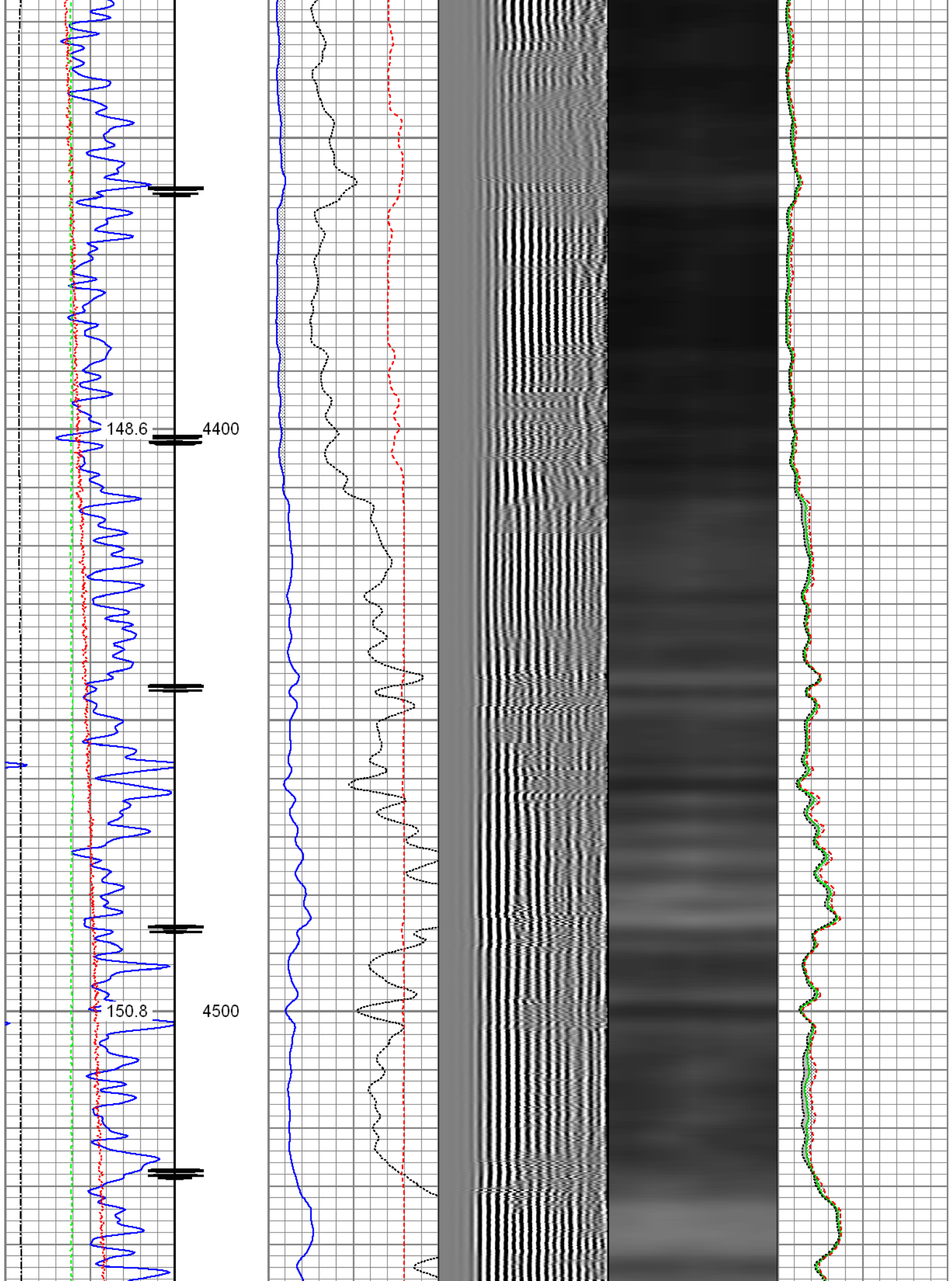


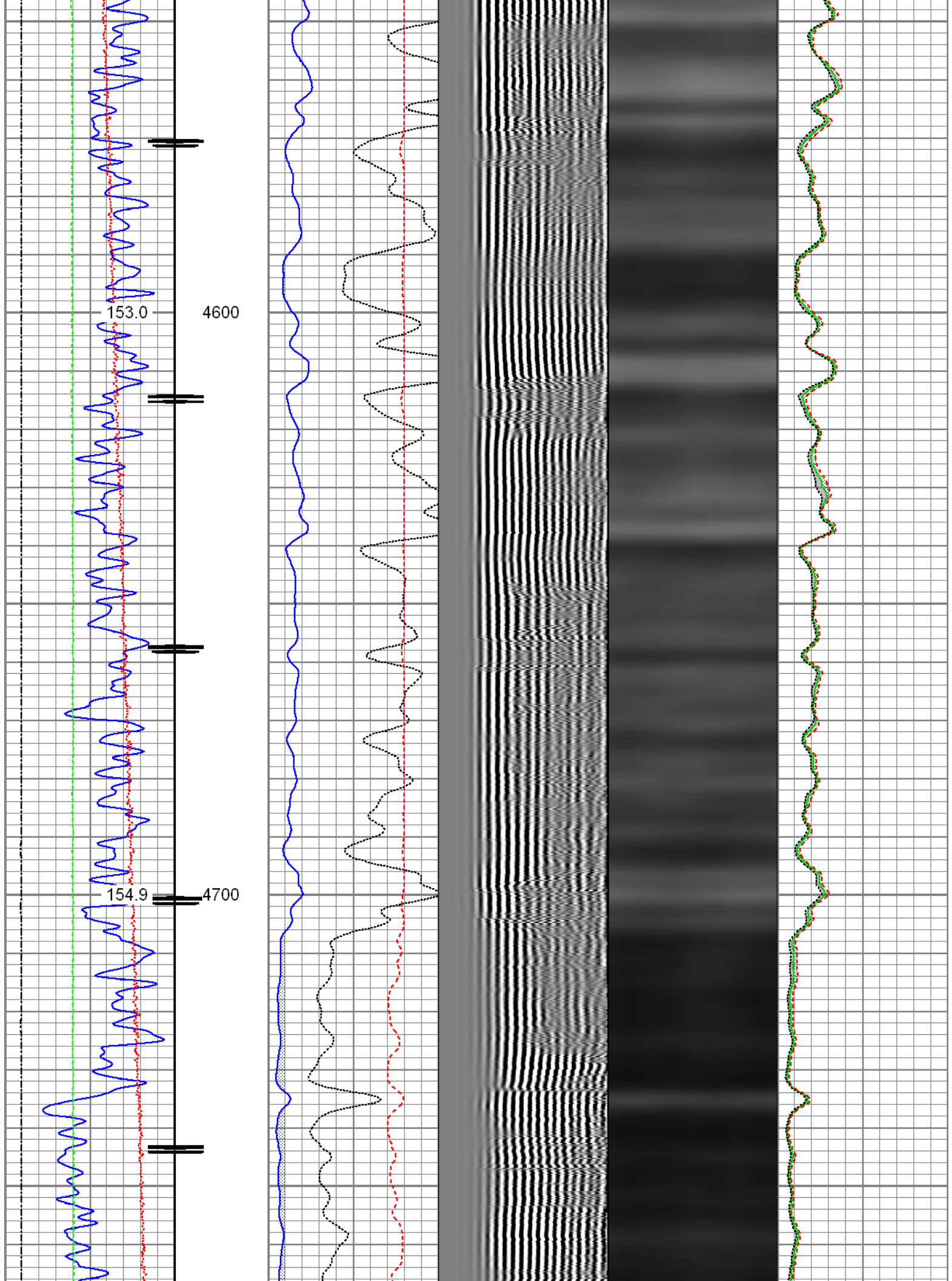


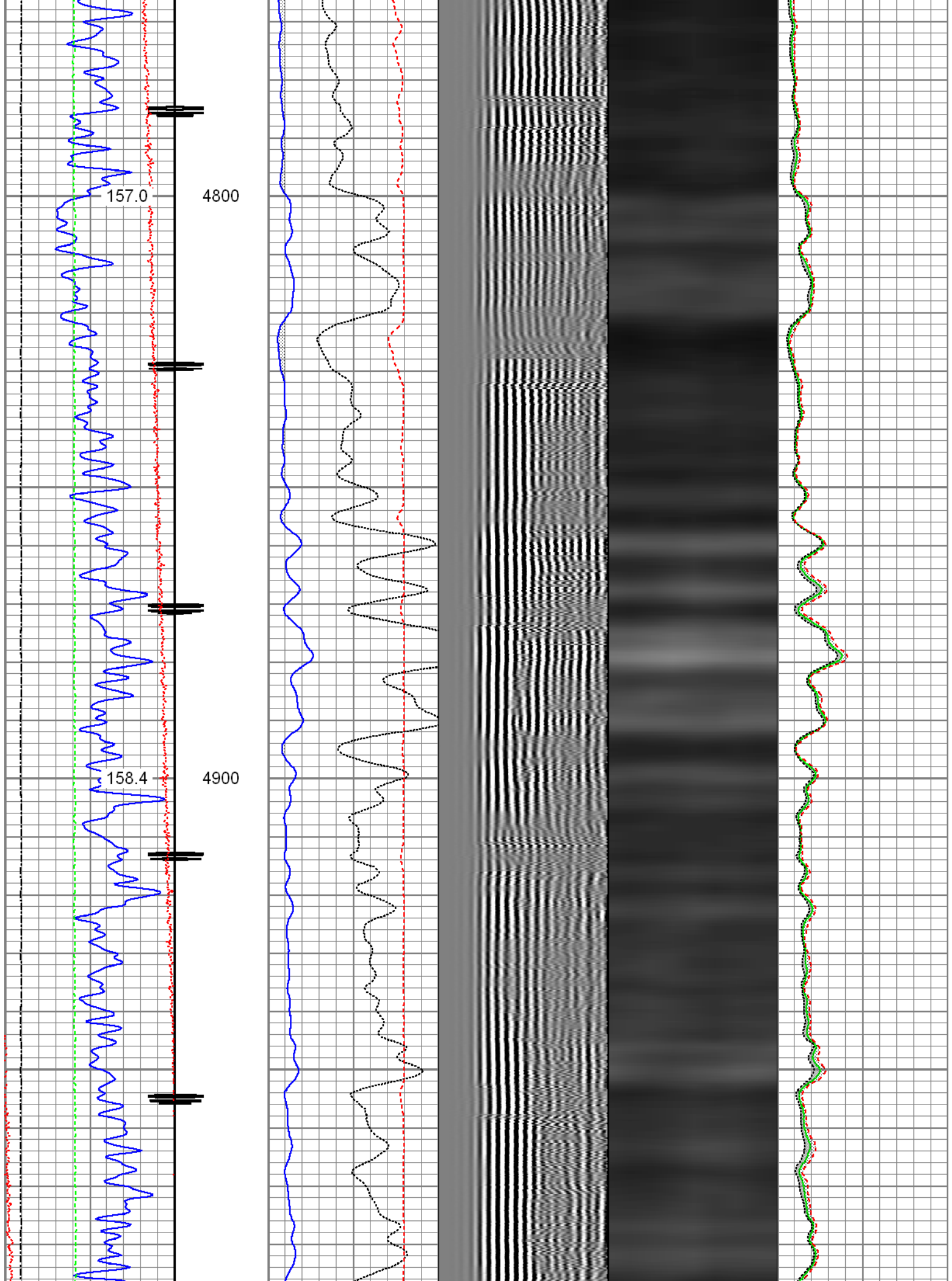


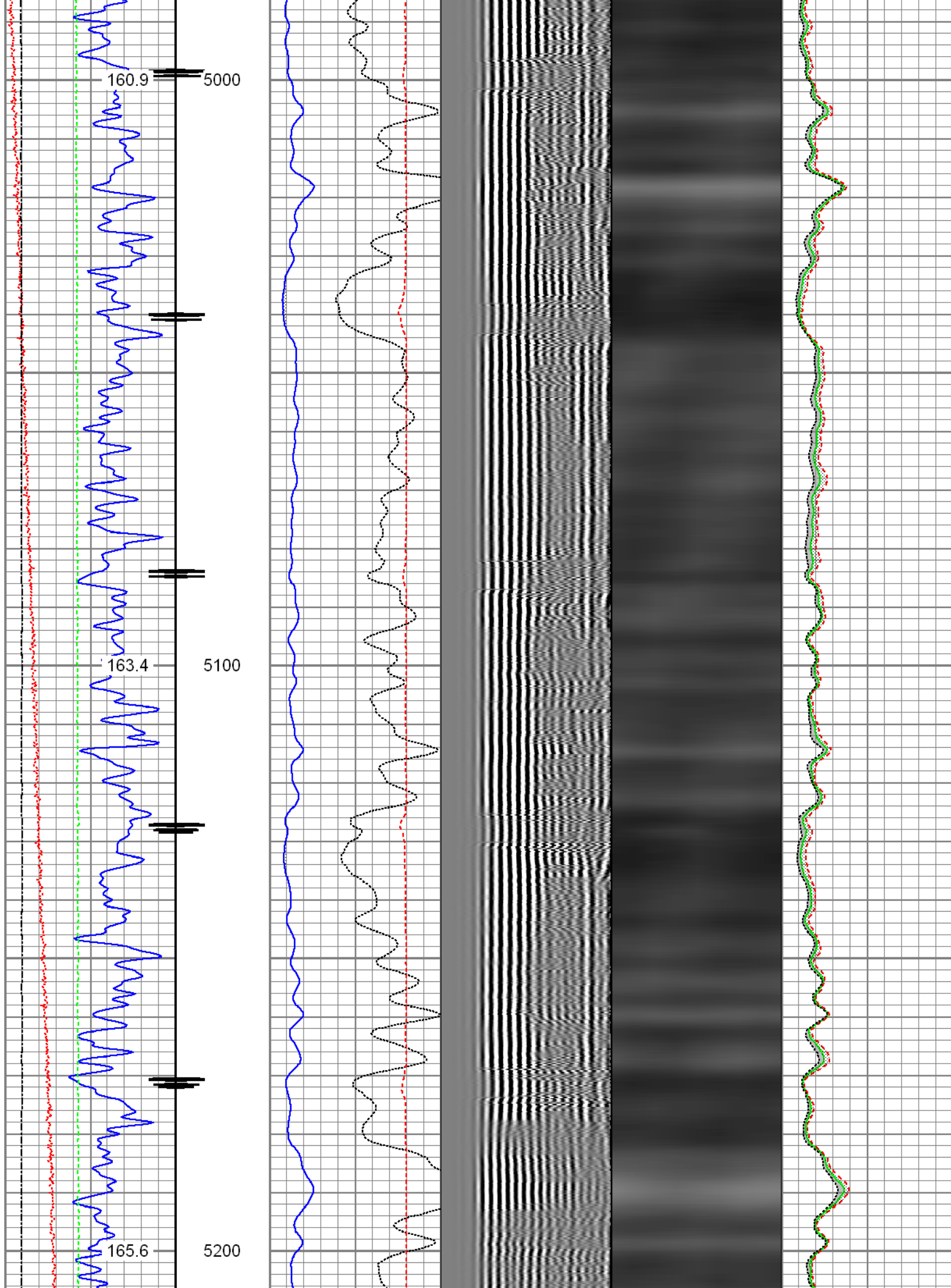


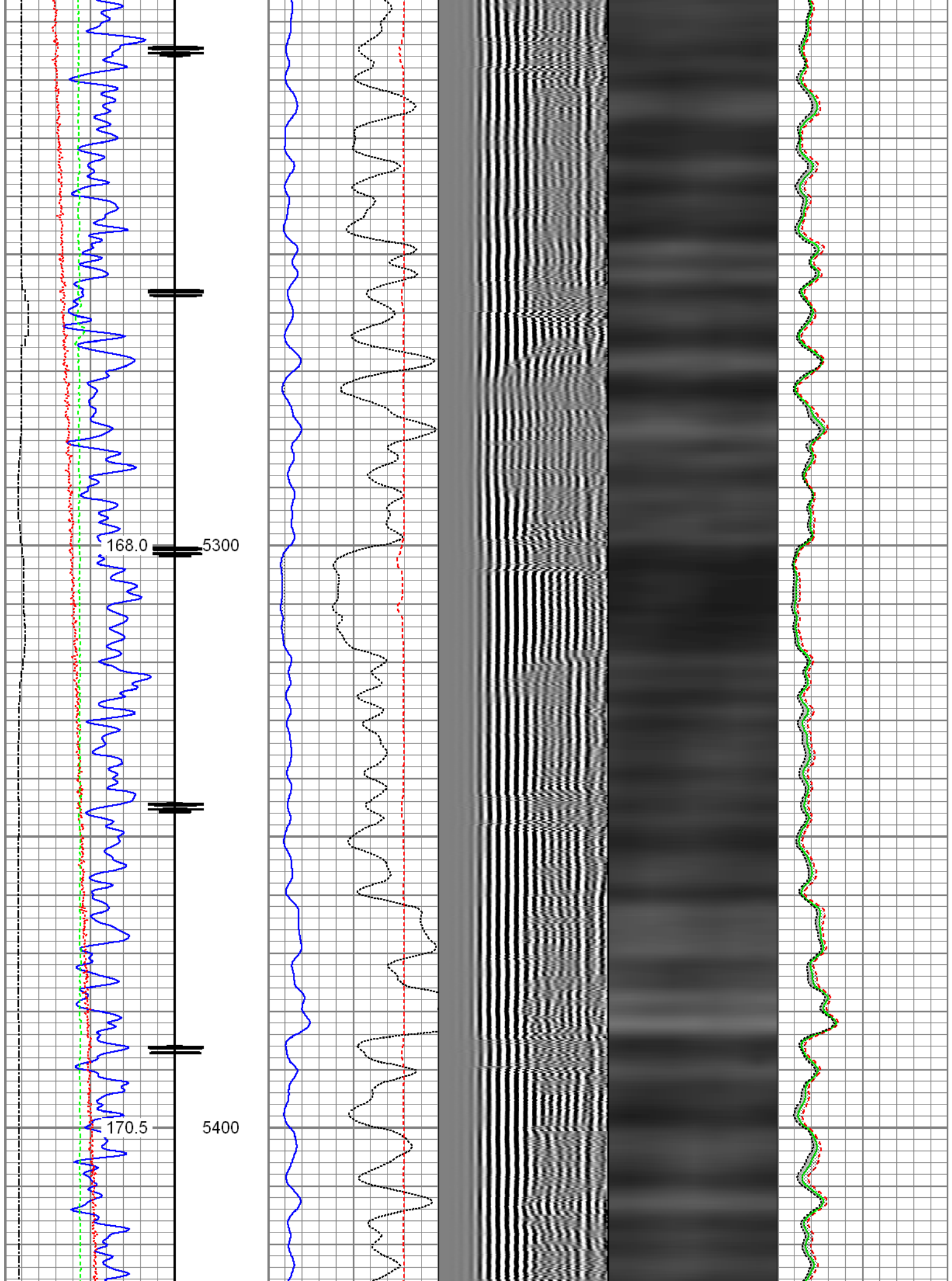


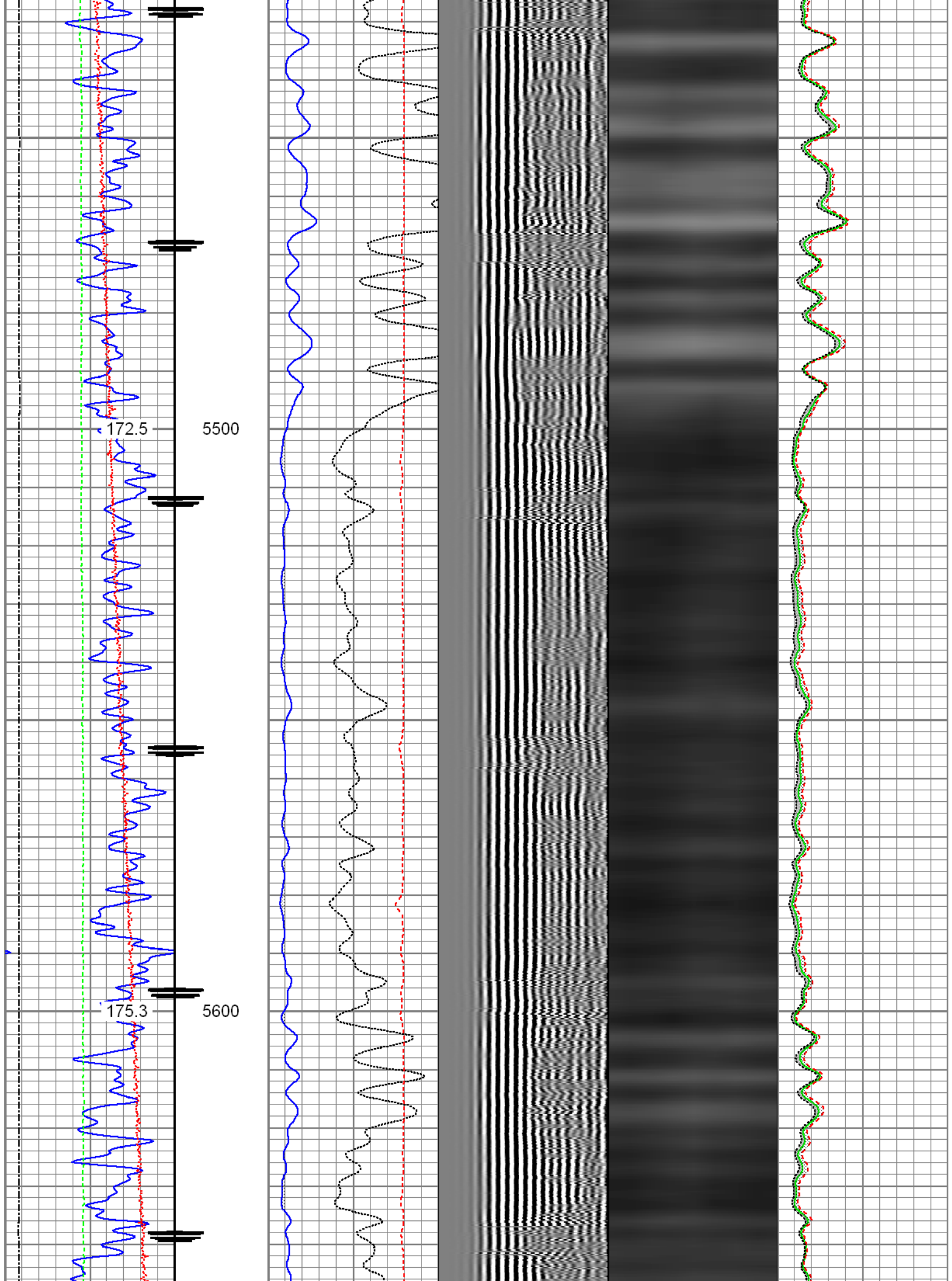


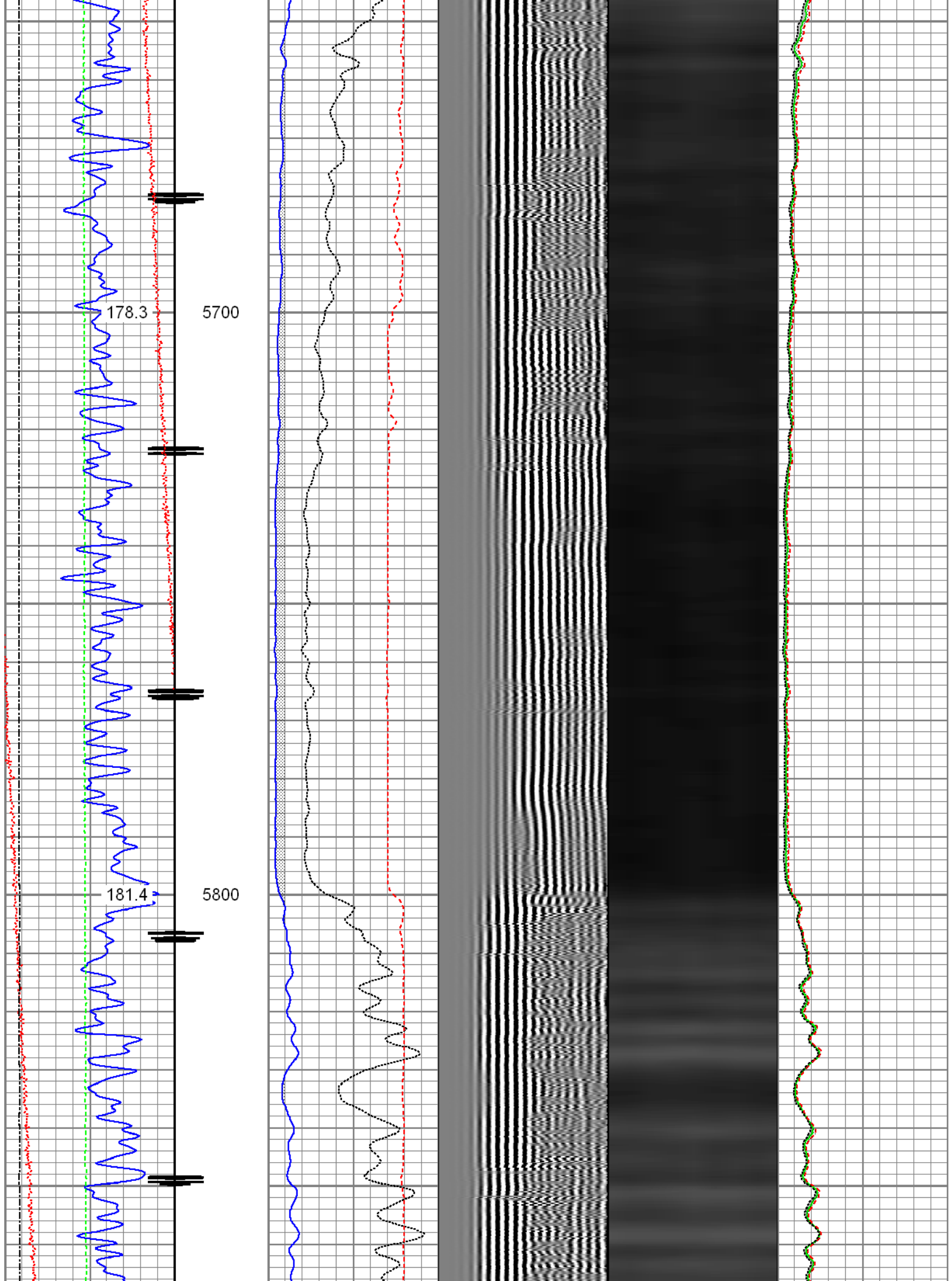


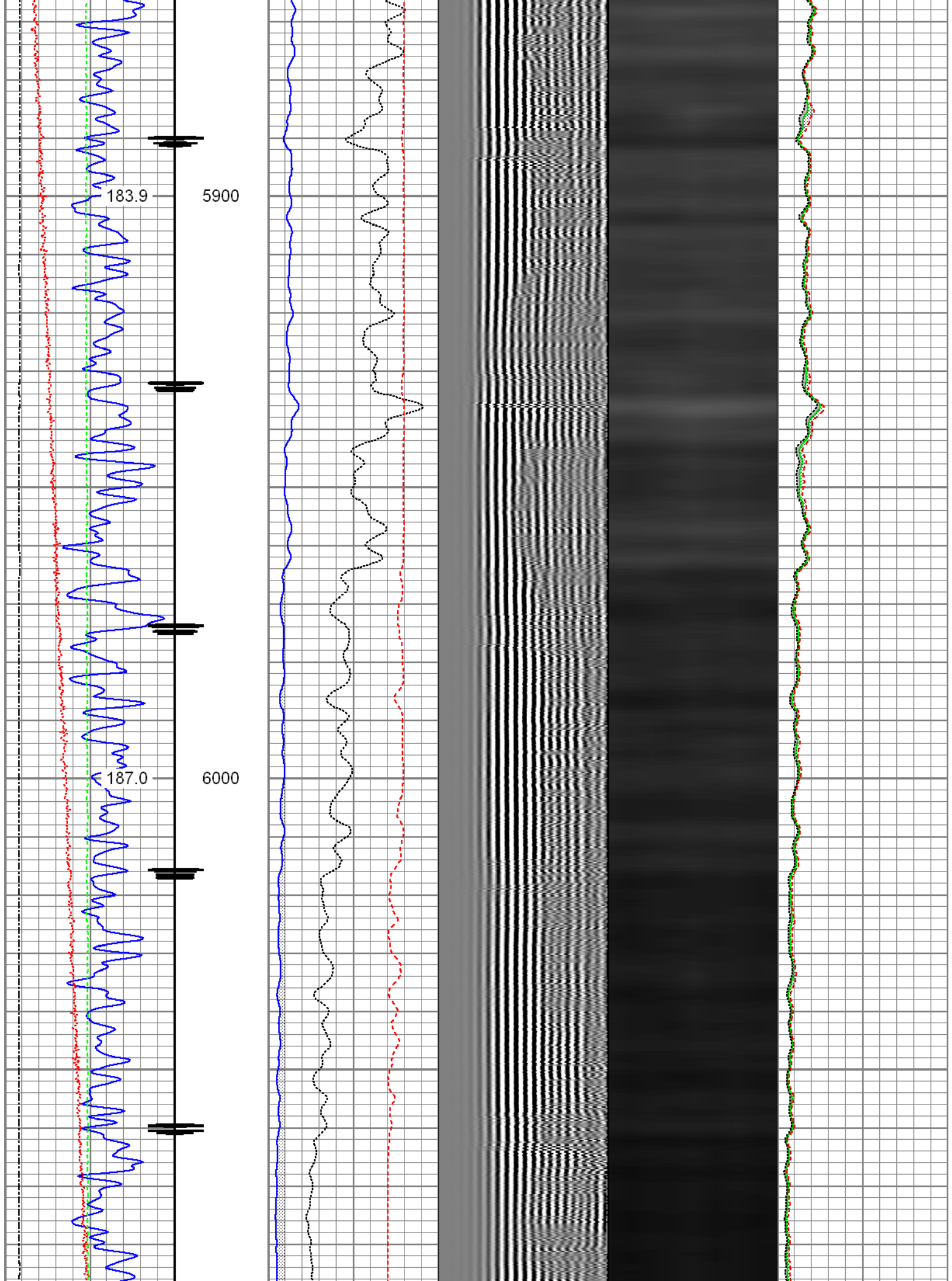


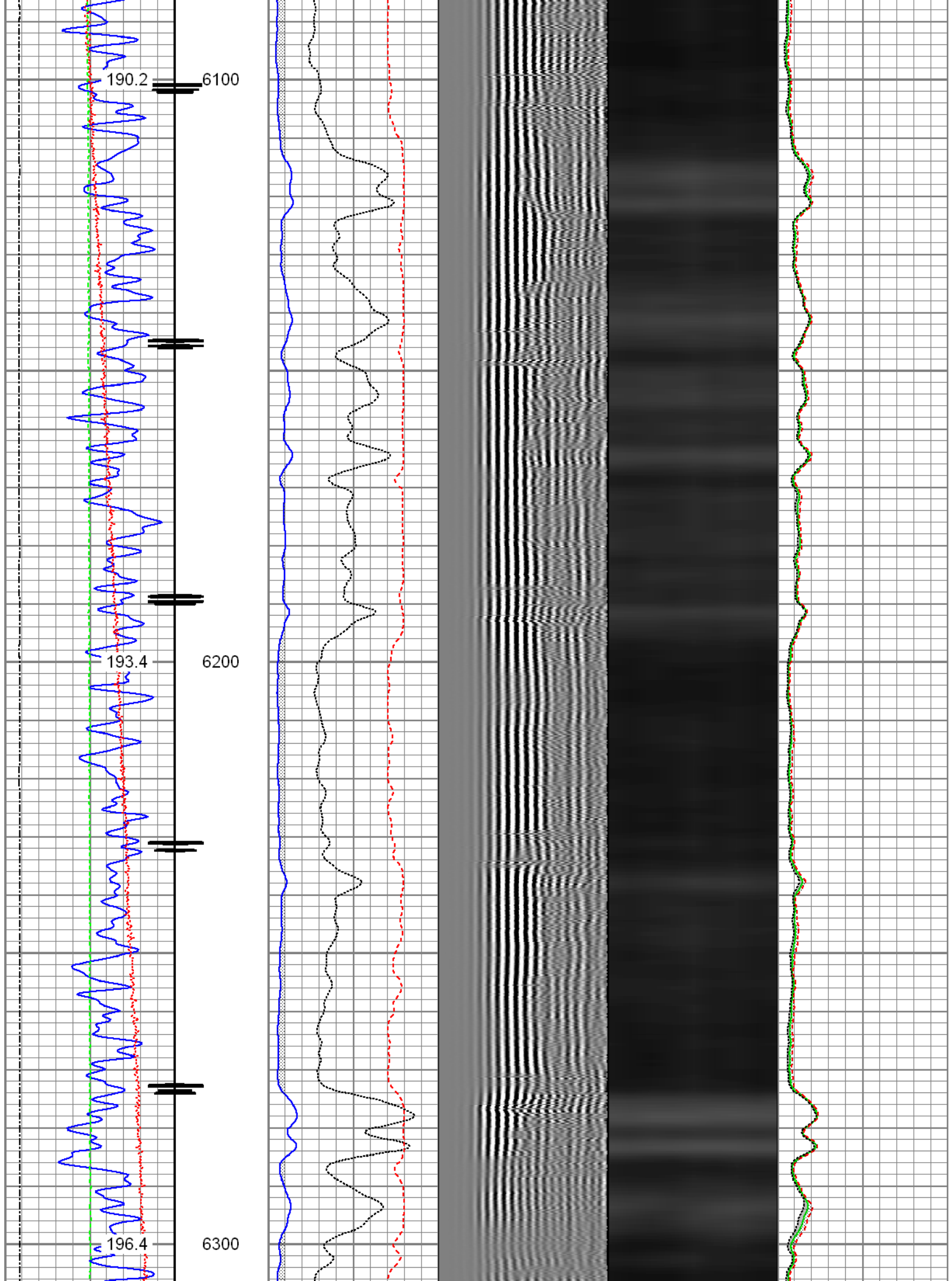


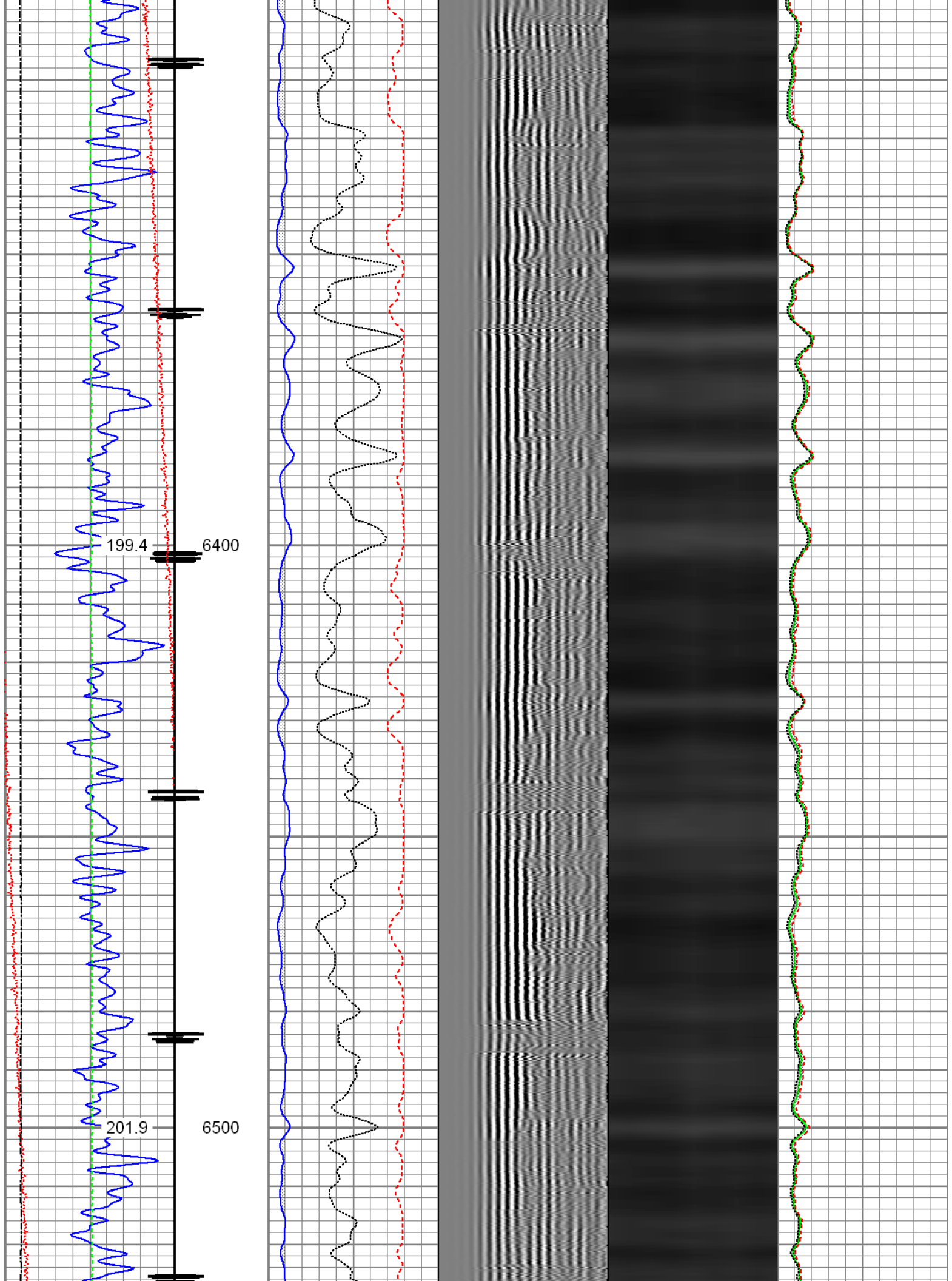


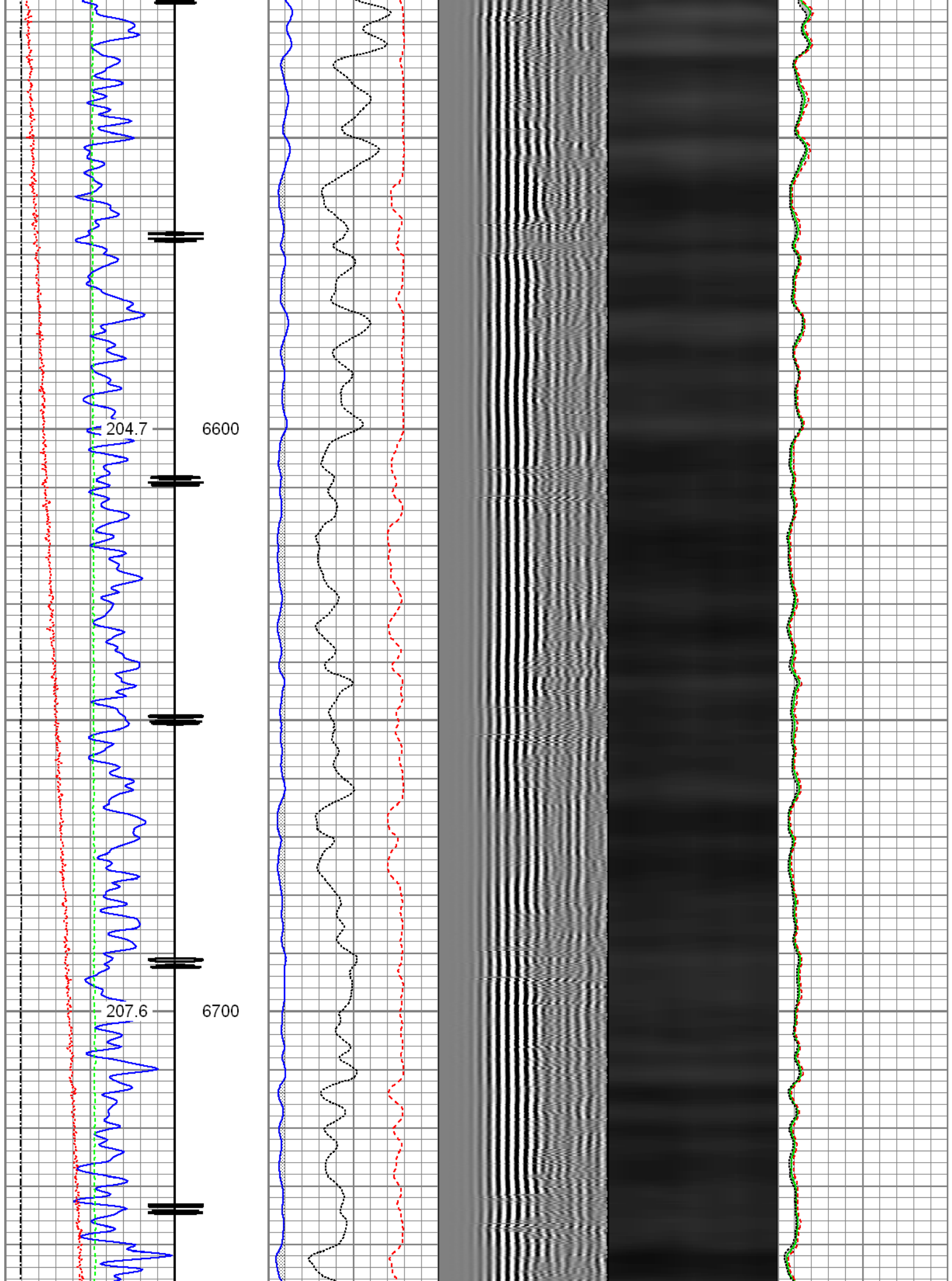


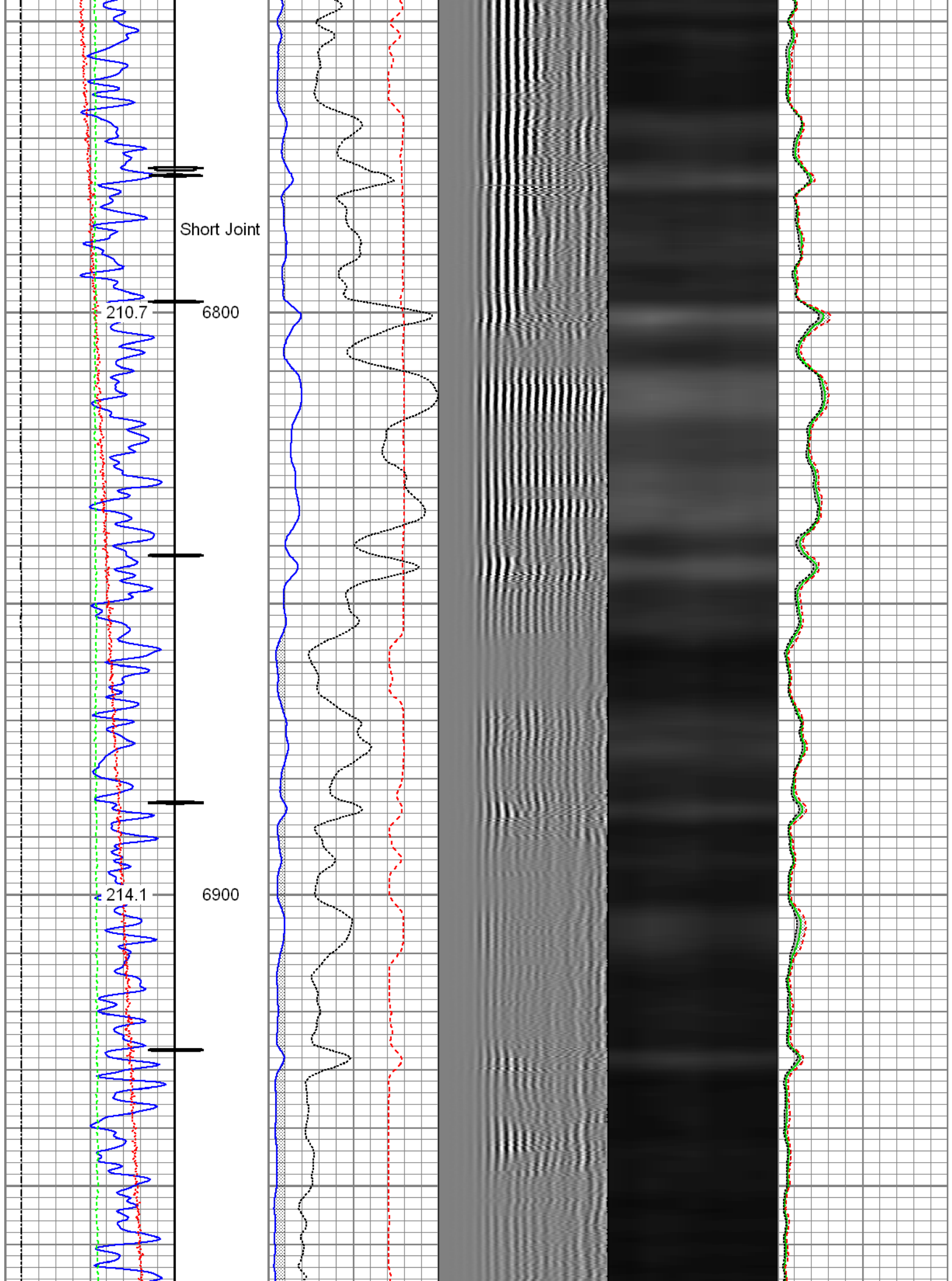


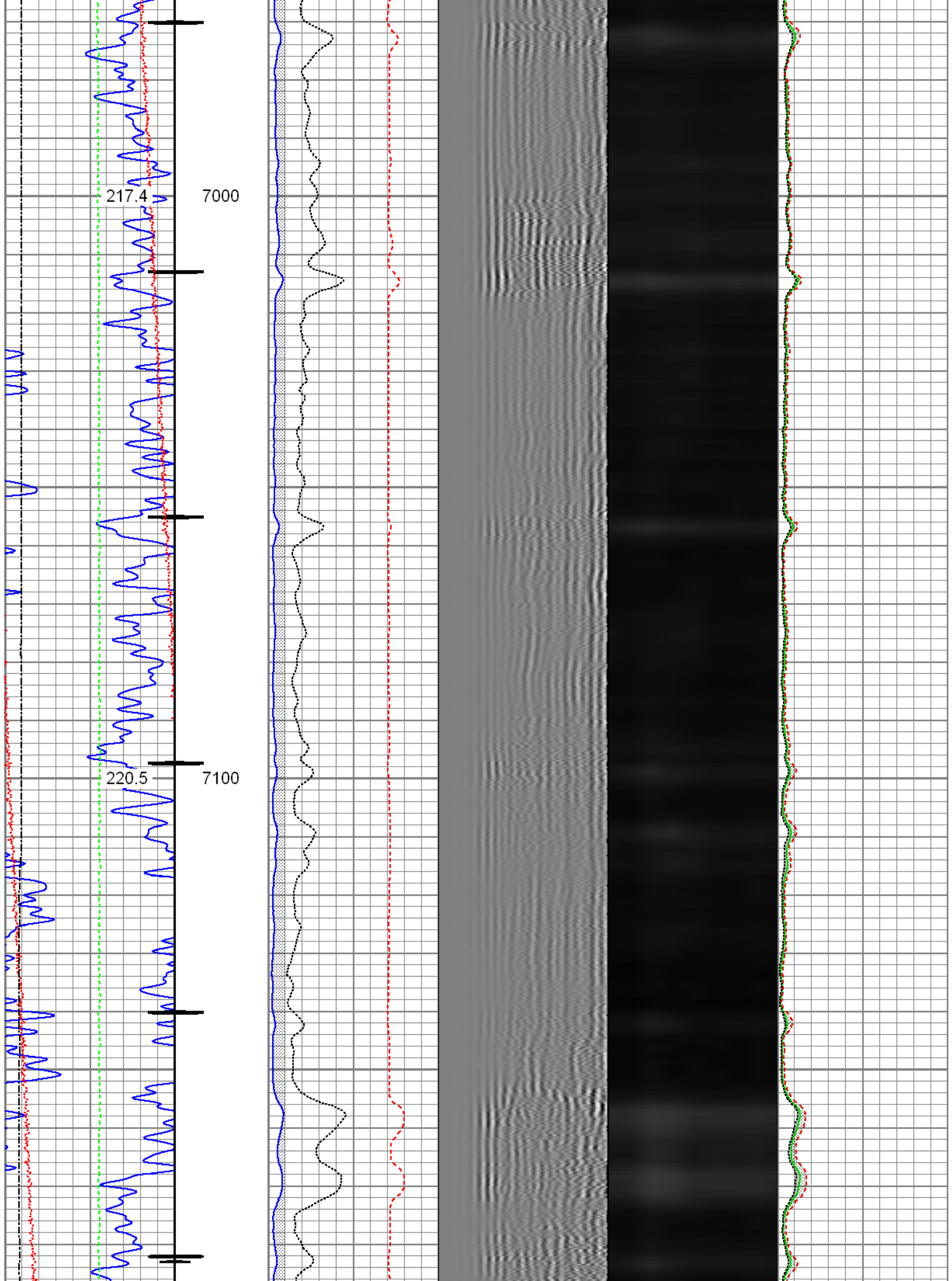


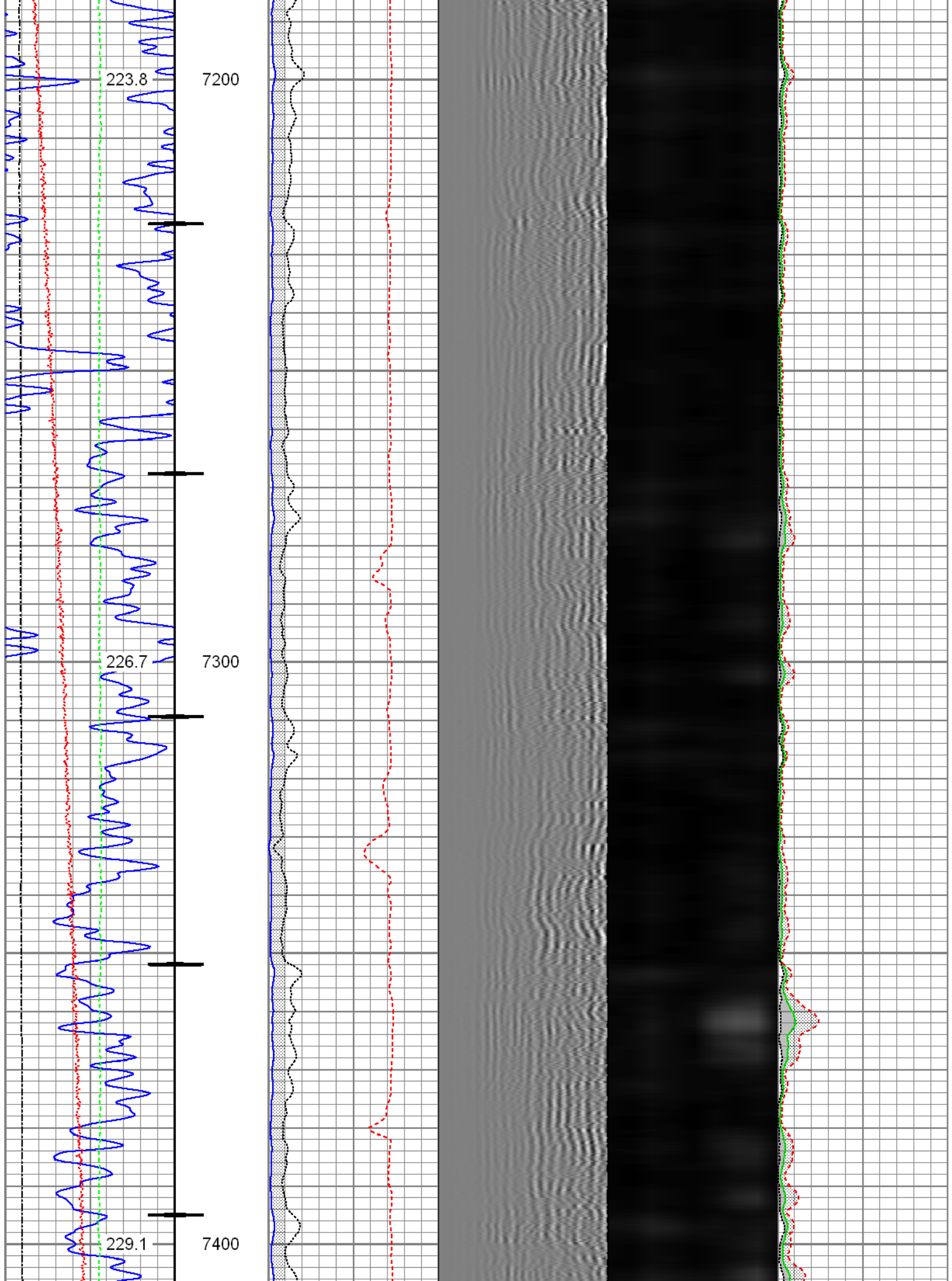


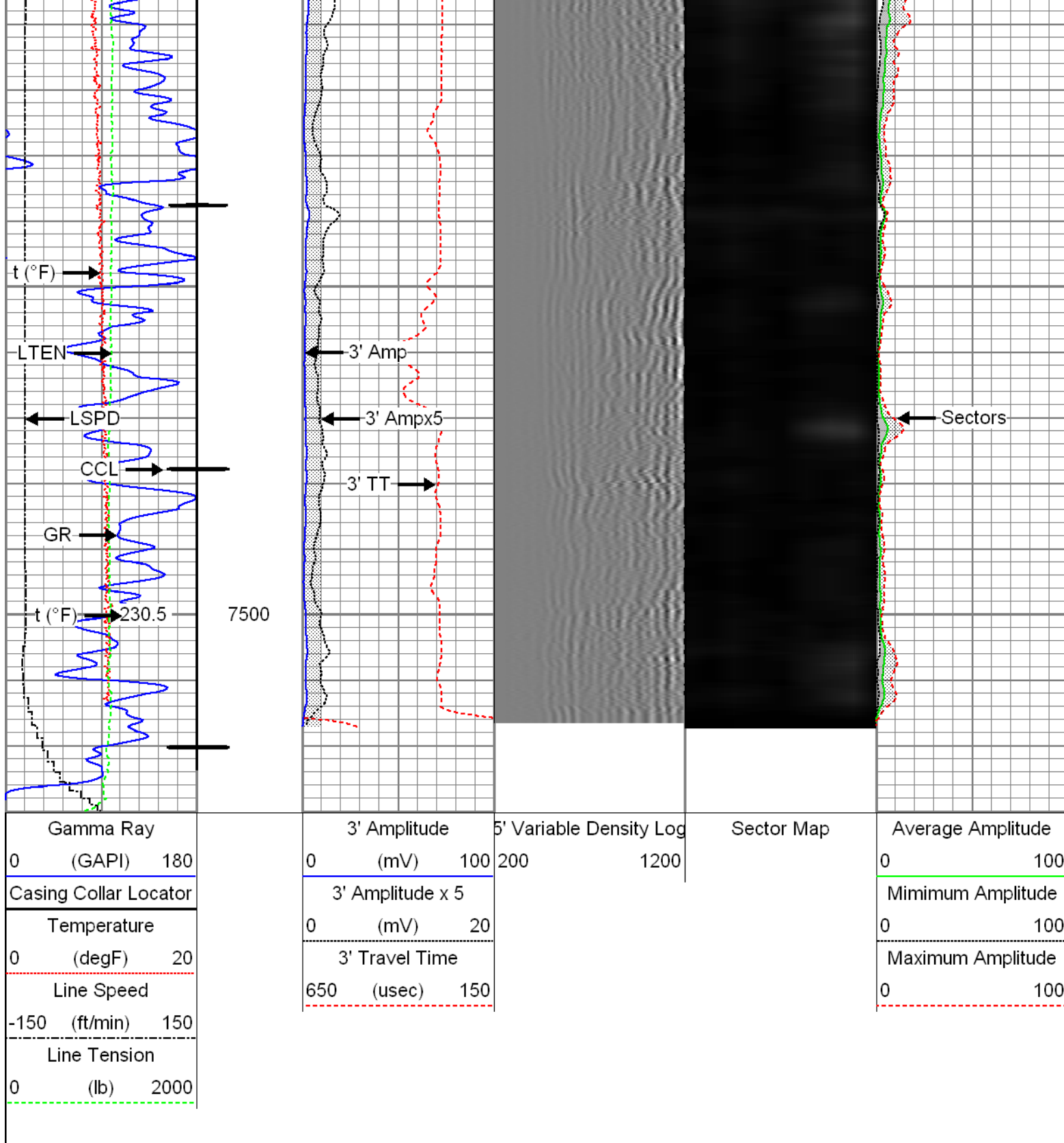












Repeat Pass

Recorded with 2800 PSI Surface Induced Pressure

Database File: z:\logs_for_processing\logs to be reviewed\0512341052_anadarko_wilson ranch 33c-27hz_01-27-16
 Dataset Pathname: pass7.1
 Presentation Format: radii
 Dataset Creation: Thu Jan 28 13:07:06 2016 by Calc SCH 120430
 Charted by: Depth in Feet scaled 1:240

Gamma Ray			3' Amplitude		5' Variable Density Log		Sector Map		Average Amplitude		
0	(GAPI)	180	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									

[illegible]

Calibration Report	
Database File:	Z:\Logs_For_Processing\Logs to be reviewed\0512341052_Anadarko_Wilson Ranch 33C-27HZ_01-27
Dataset Pathname:	pass9.1
Dataset Creation:	Thu Jan 28 08:51:37 2016 by Calc SCH 120430

	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.595	0.800	71.921	120.260	0.396
CAL	0.759	0.790				
5'	0.009	0.482	0.800	71.921	150.461	-0.602
SUM						
S1	0.004	0.567	0.000	100.000	177.582	-0.765
S2	0.009	0.588	0.000	100.000	172.931	-1.598
S3	0.006	0.614	0.000	100.000	164.531	-1.053
S4	0.006	0.628	0.000	100.000	160.917	-0.998
S5	0.004	0.626	0.000	100.000	160.743	-0.673
S6	0.004	0.603	0.000	100.000	167.121	-0.691
S7	0.004	0.578	0.000	100.000	174.139	-0.664
S8	0.005	0.563	0.000	100.000	179.240	-0.871

Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.759	0.790	1.000	0.000

Air Zero Calibration, performed Wed Jan 27 09:07:18 2016:

	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	



Company Kerr-McGee Oil & Gas Onshore, L.P.
Well Wilson Ranch 33C-27HZ
Field Wattenberg
County Weld
State Colorado