



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company TEP Rocky Mountain LLC
Well Fee WMC 512-19-793
Field Rulison
County Garfield
State Colorado

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Location: API #: 05-045-24536

Other Services

SEC 19 TWP 7S RGE 93W

Elevation

Permanent Datum Ground Level Elevation 8563'
Log Measured From Kelly Bushing
Drilling Measured From Kelly Bushing
K.B. 8593 FT
D.F. 8592 FT
G.L. 8563 FT

Date 02-MAR-2023

Run Number	One		
Depth Driller	10585'		
Depth Logger	10504'		
Bottom Logged Interval	10504'		
Top Log Interval	Surface		
Open Hole Size	8.75"		
Type Fluid	Water		
Density / Viscosity	8.34 Lb/Gal		
Max. Recorded Temp.	269 °F		
Estimated Cement Top	See Log		
Time Well Ready	ROA		
Time Logger on Bottom	08:00		
Equipment Number	8047		
Location	Grand Junction		
Recorded By	D. Clark		
Witnessed By	D. Welsh		

Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	9-5/8"	36	Surface	1113'
Prot. String				
Production String	4-1/2"	11.6	Surface	10575'
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

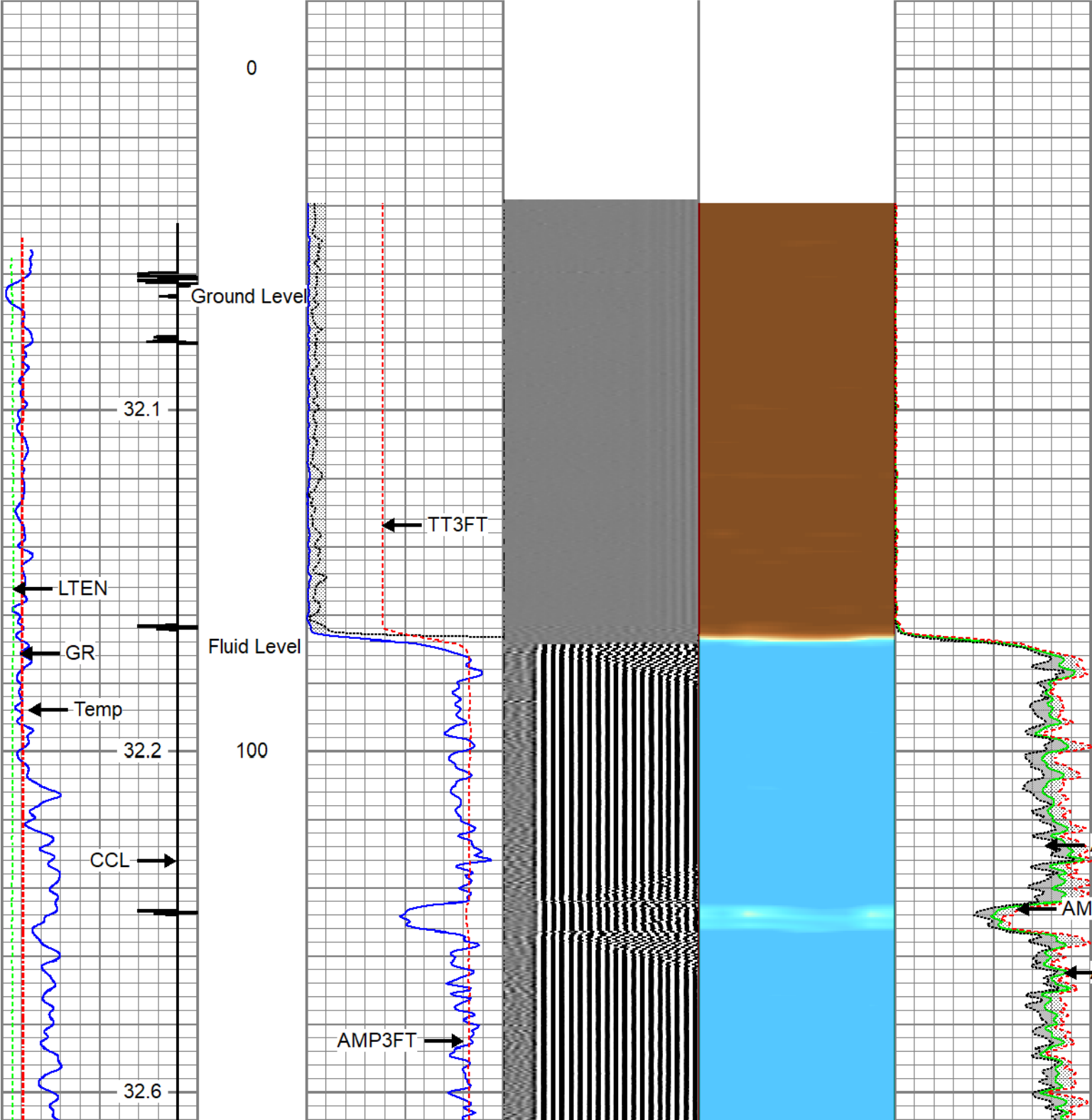
Log is correlated to 30' K.B.
Marker joint logged @6608'-6618'
Log ran with 0 PSI at surface

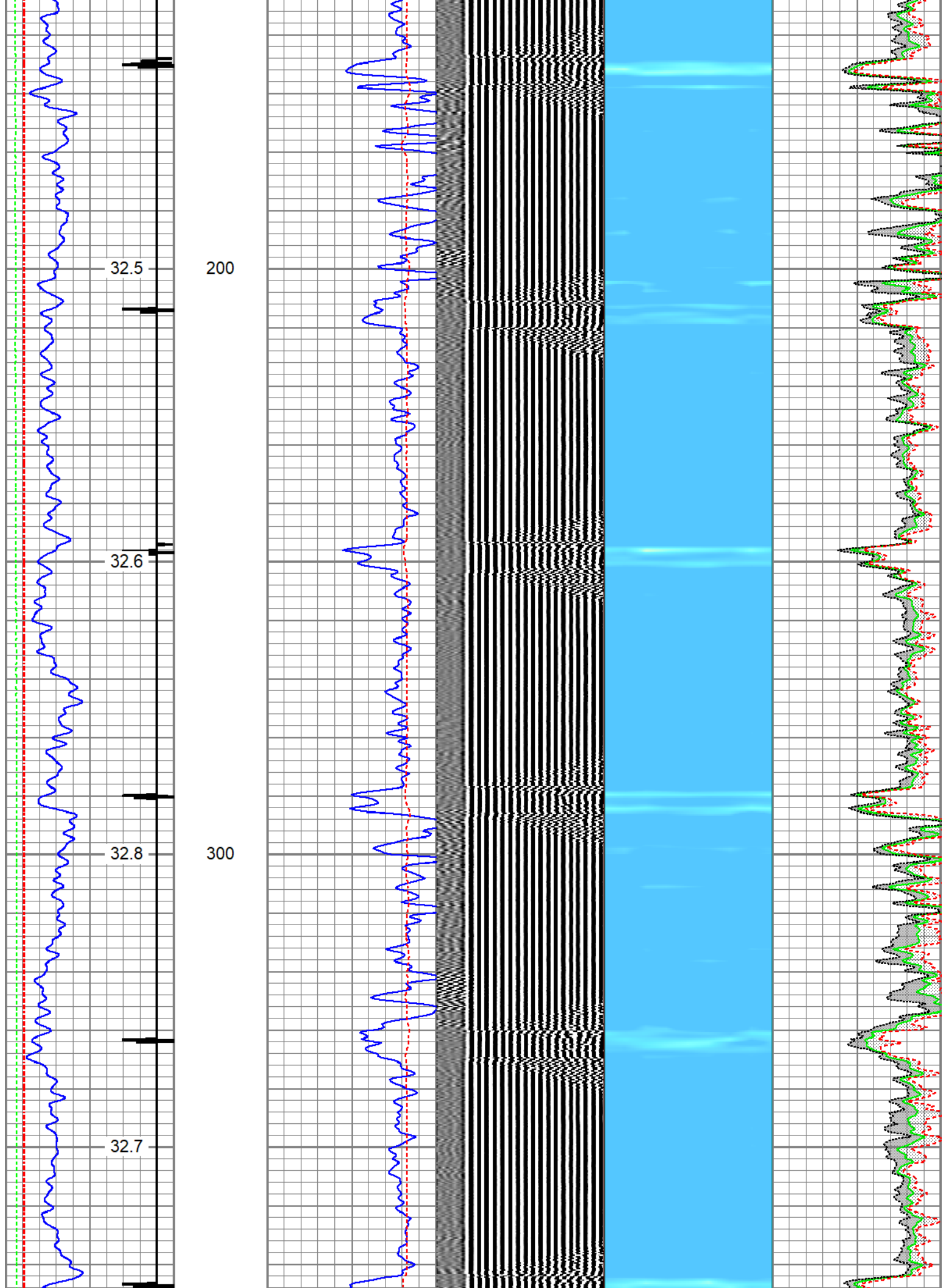
Thank you for choosing The Wireline Group!

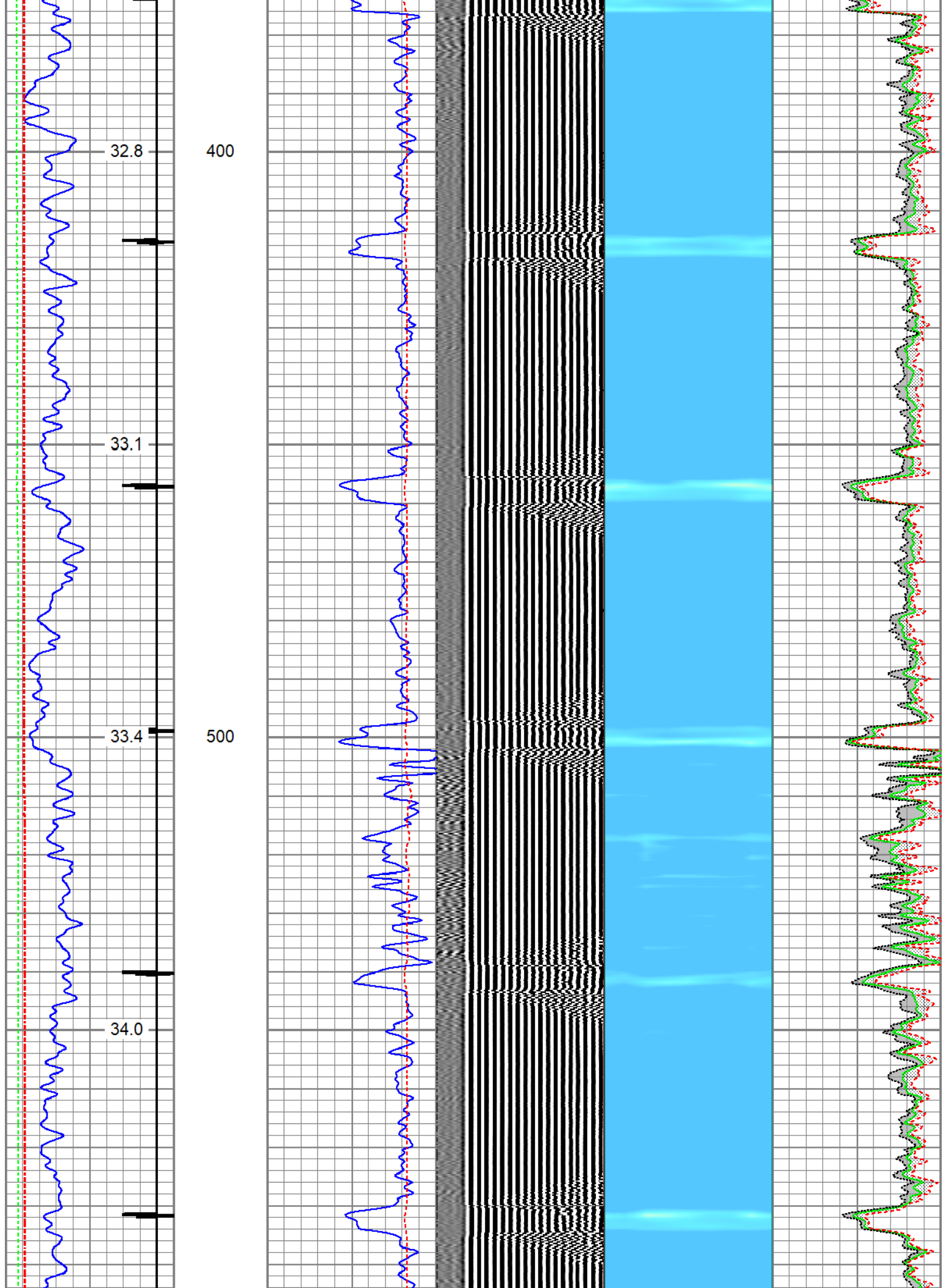


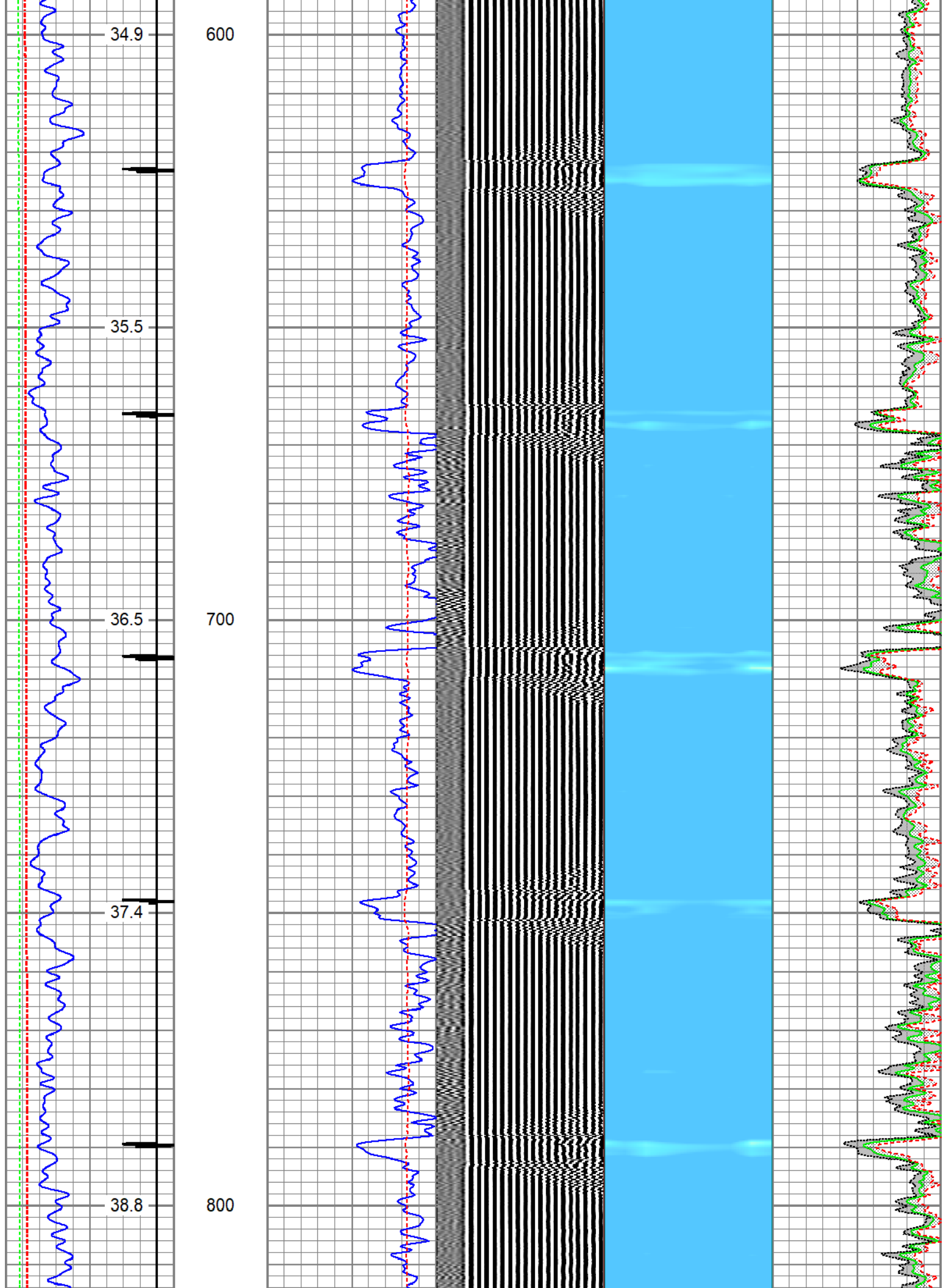
Main Pass 5" = 100'

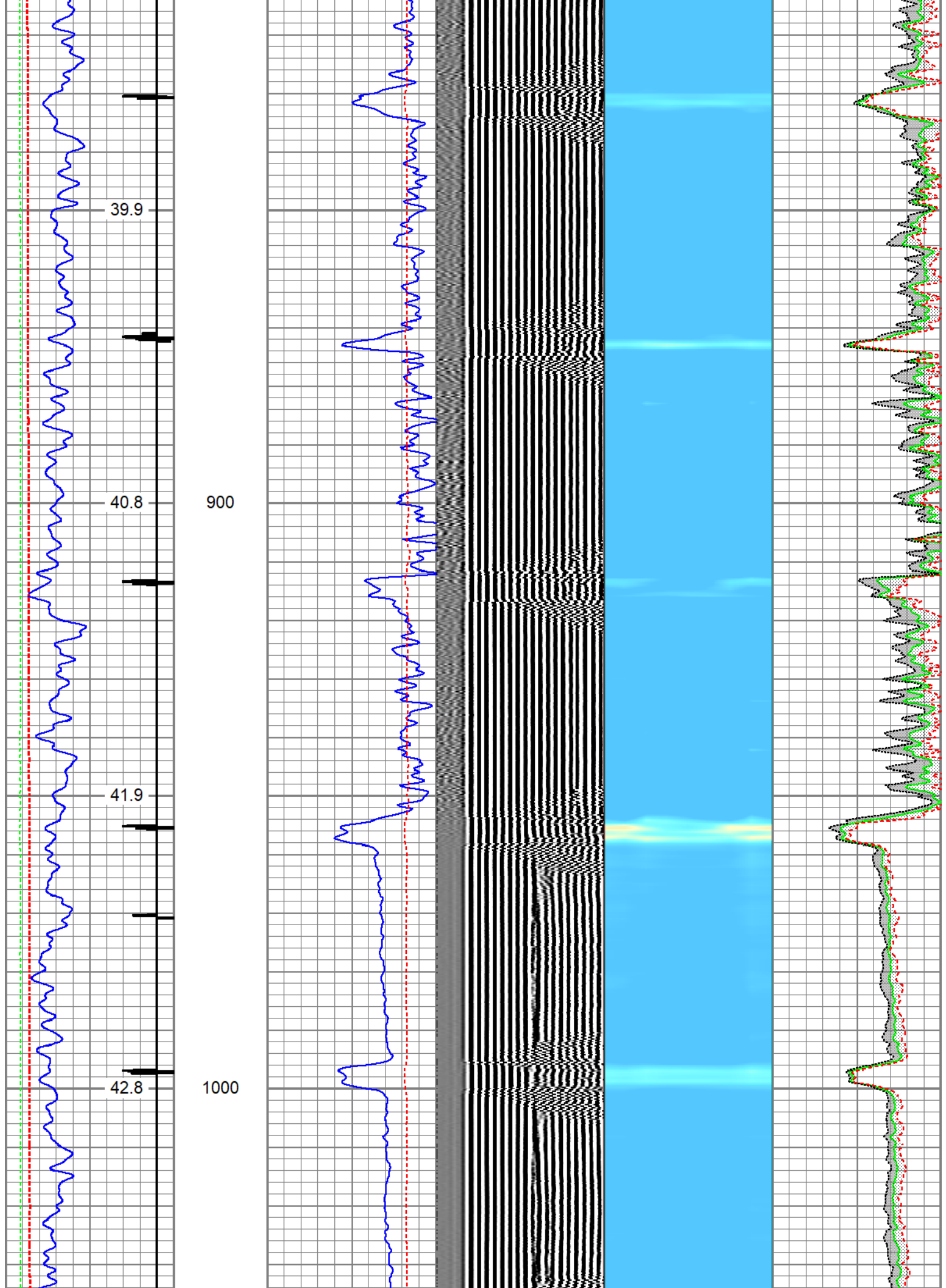
Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 200		0 (mV) 100	200 (usec) 1200		0 120
Line Tension		3' Amplitude x 5			Minimum Amplitude
0 (lb) 4000		0 (mV) 20			0 120
-9 CCL 1		3' Travel Time			Maximum Amplitude
0 Temp (degF) 300		650 (usec) 150			0 120

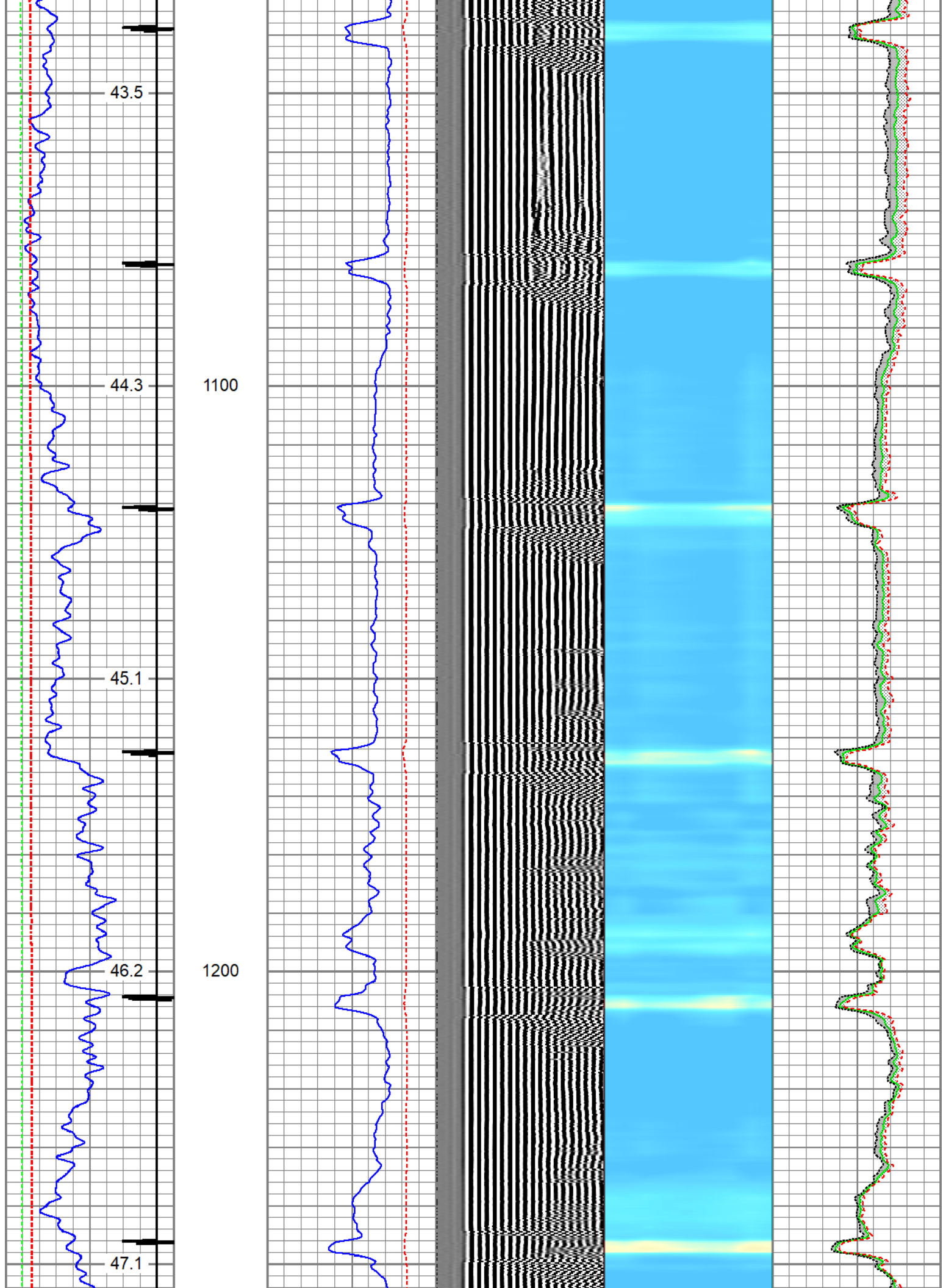


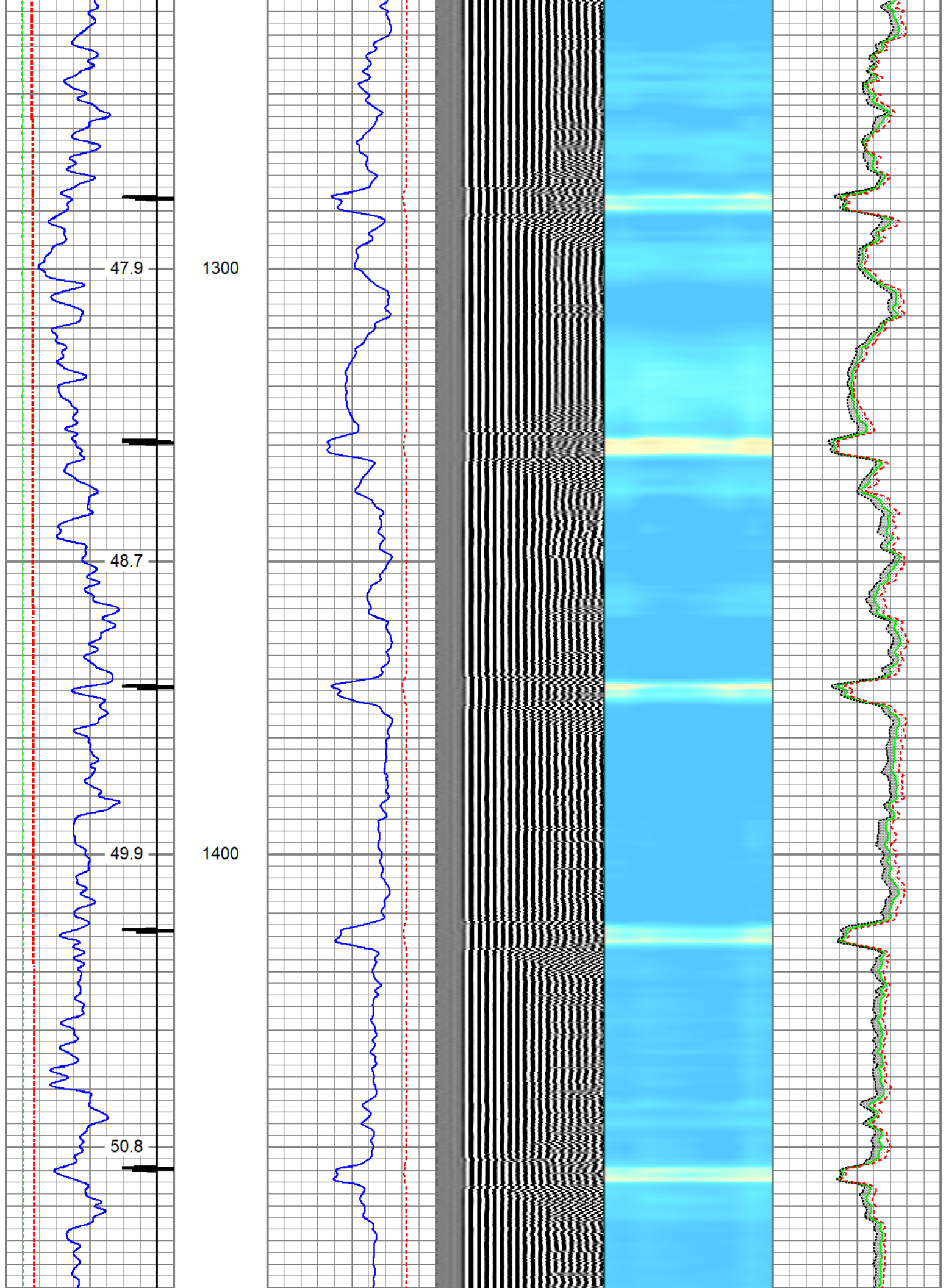


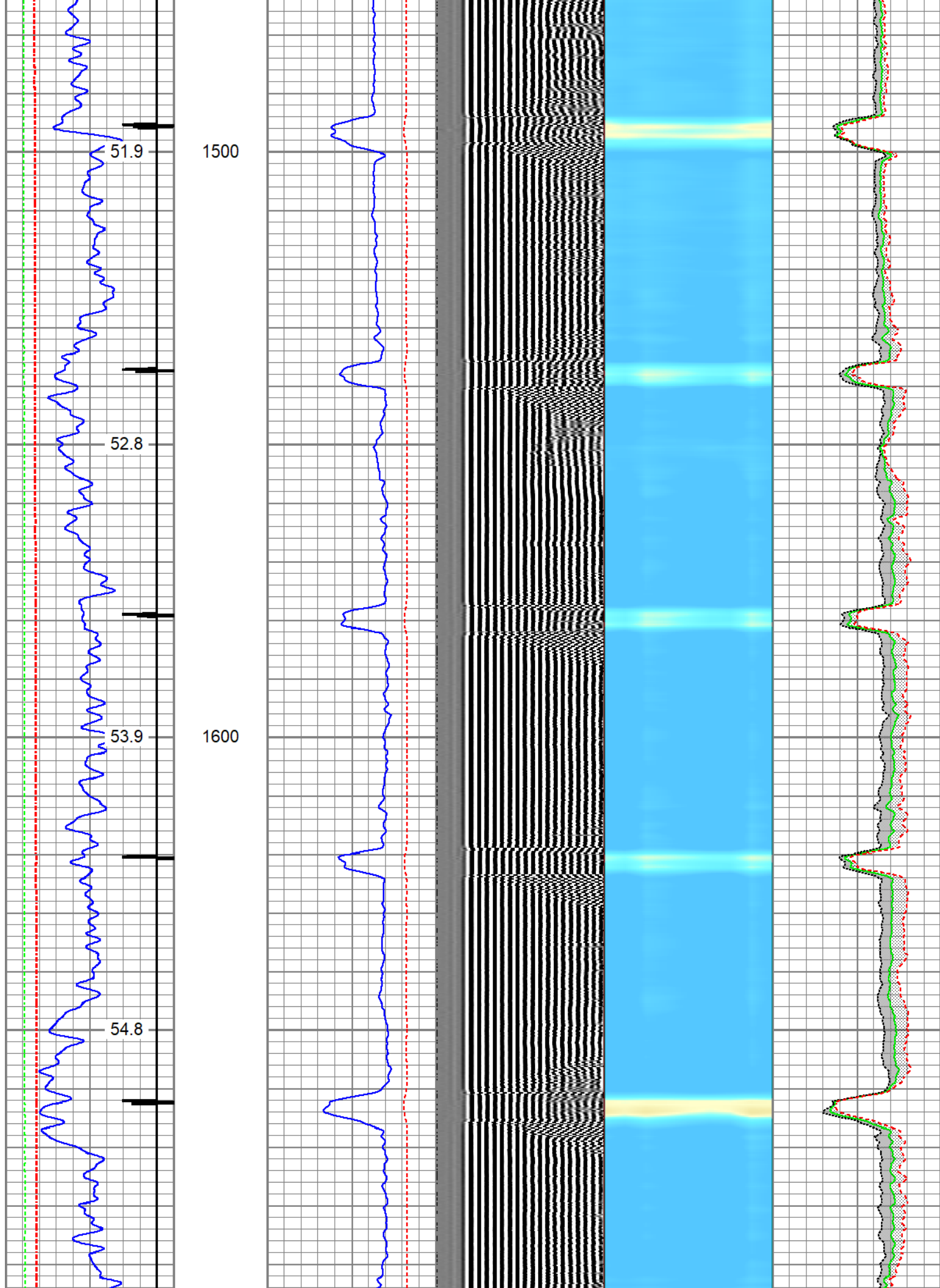


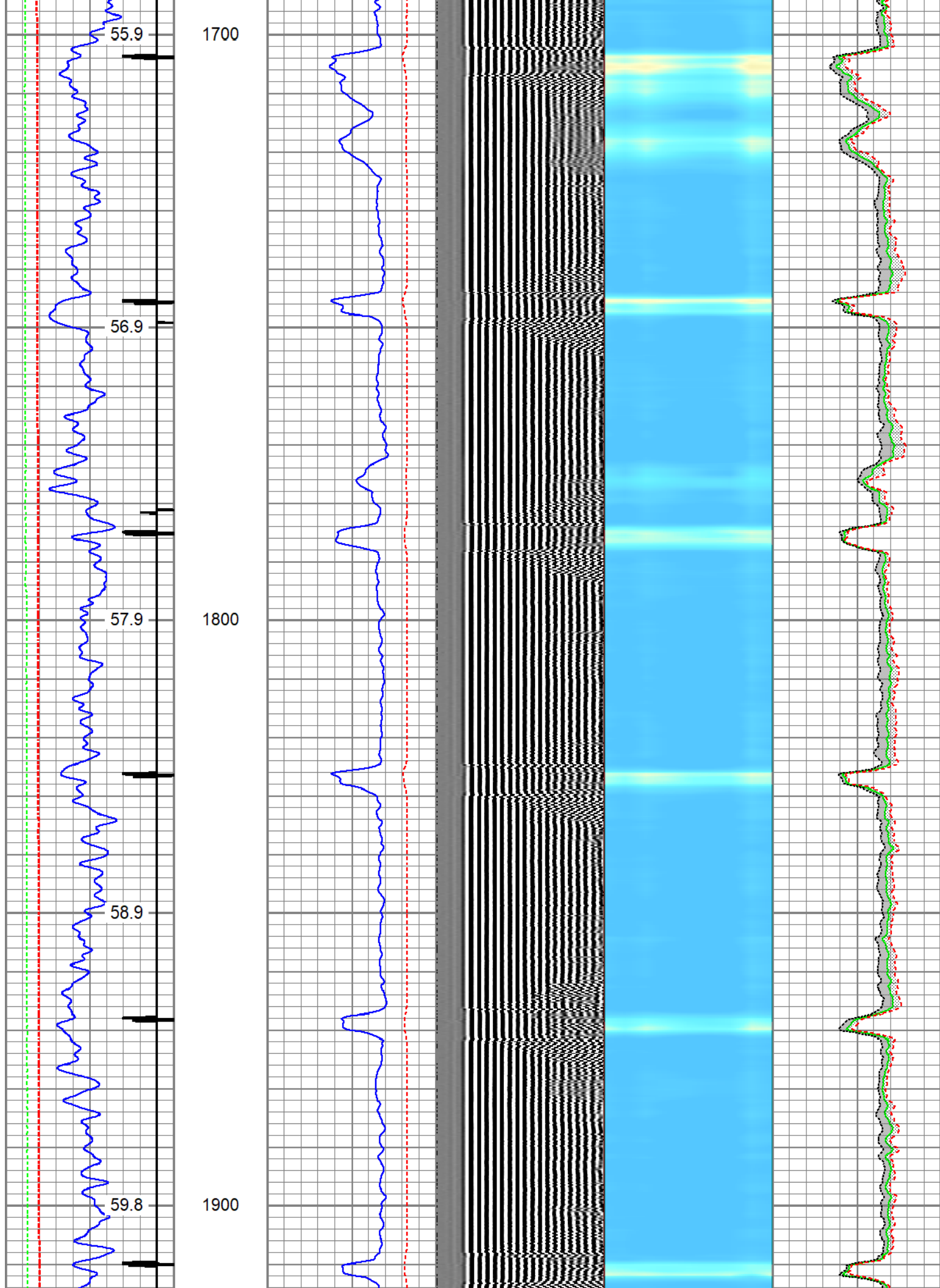


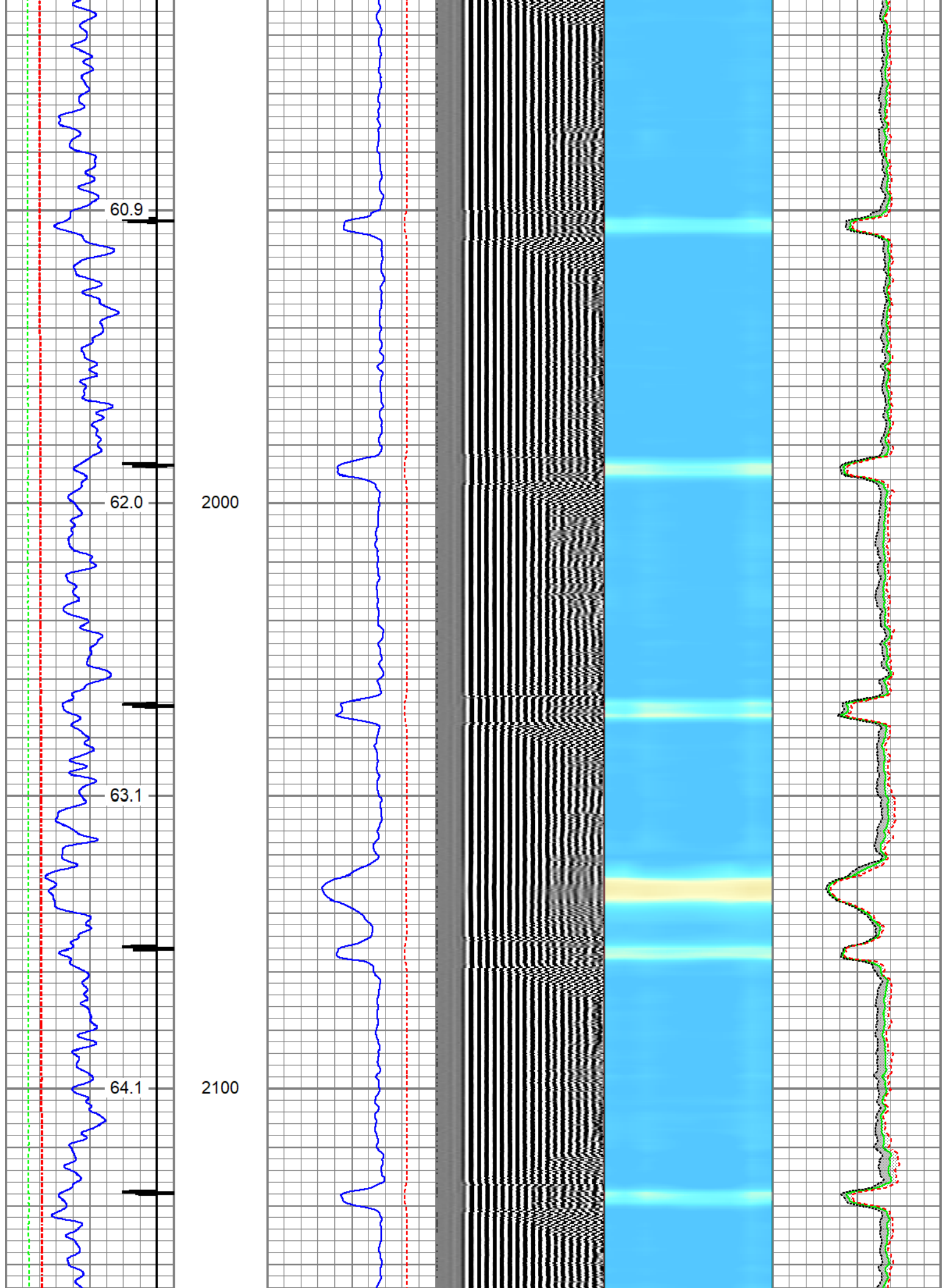


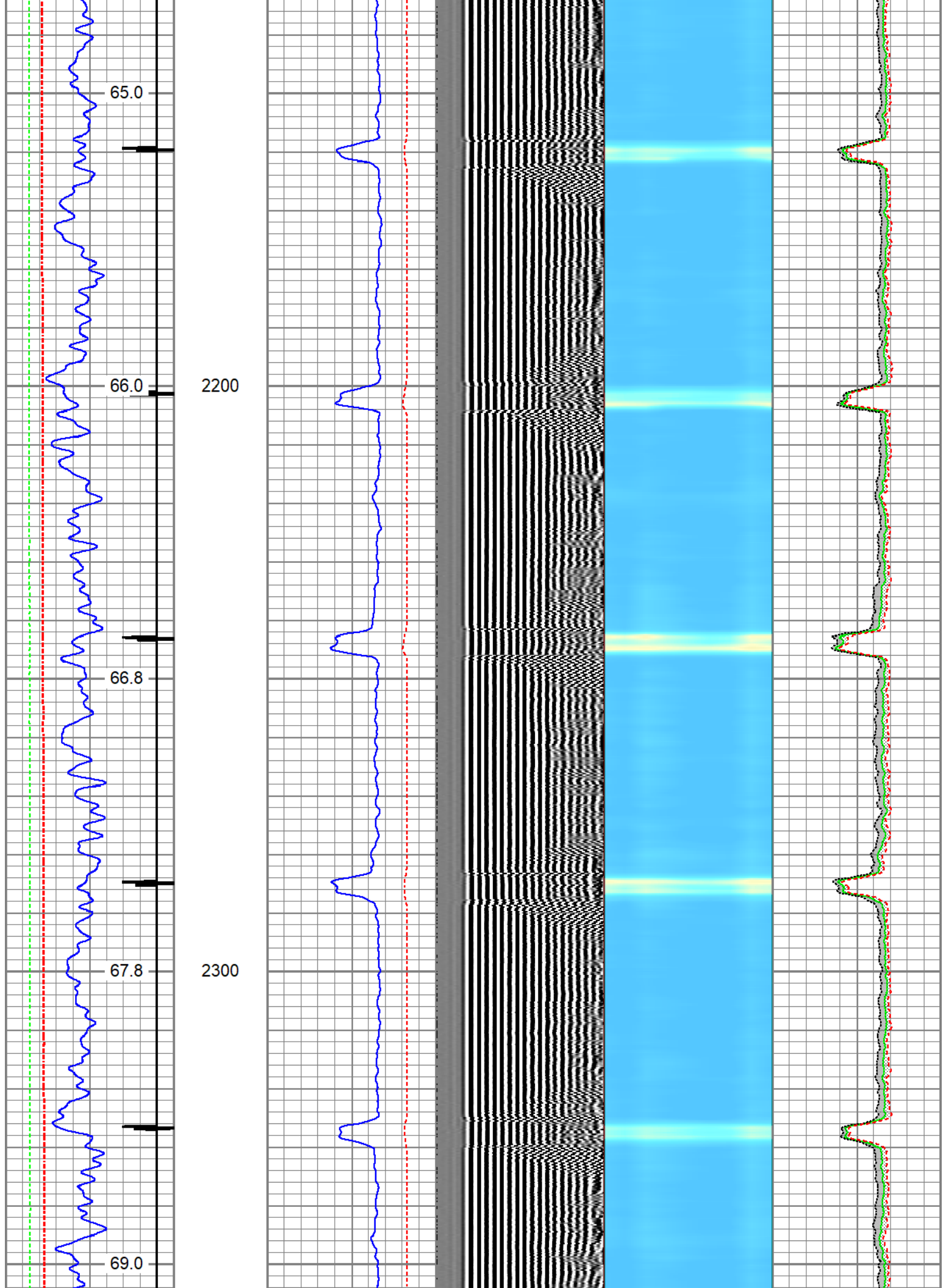


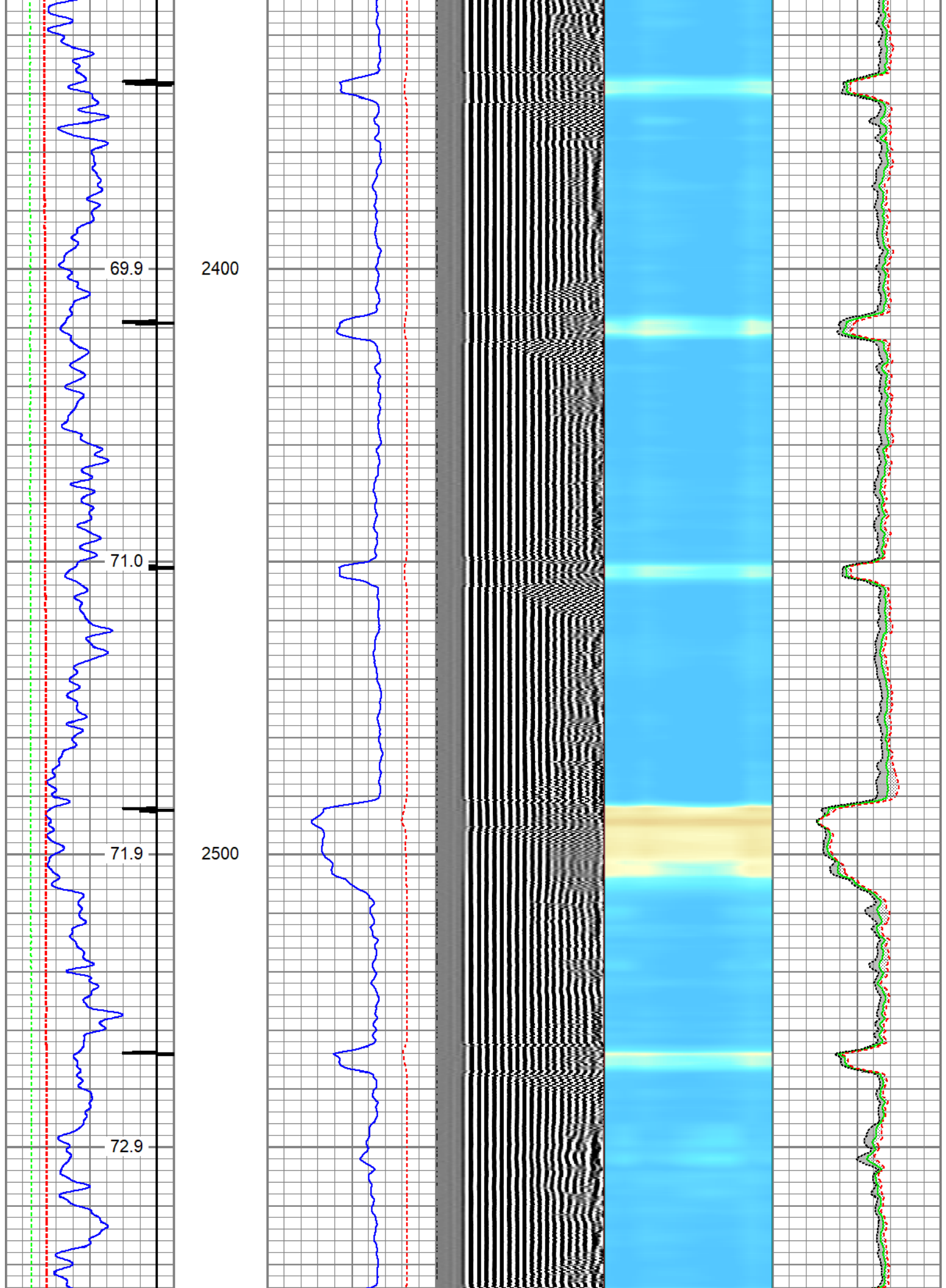


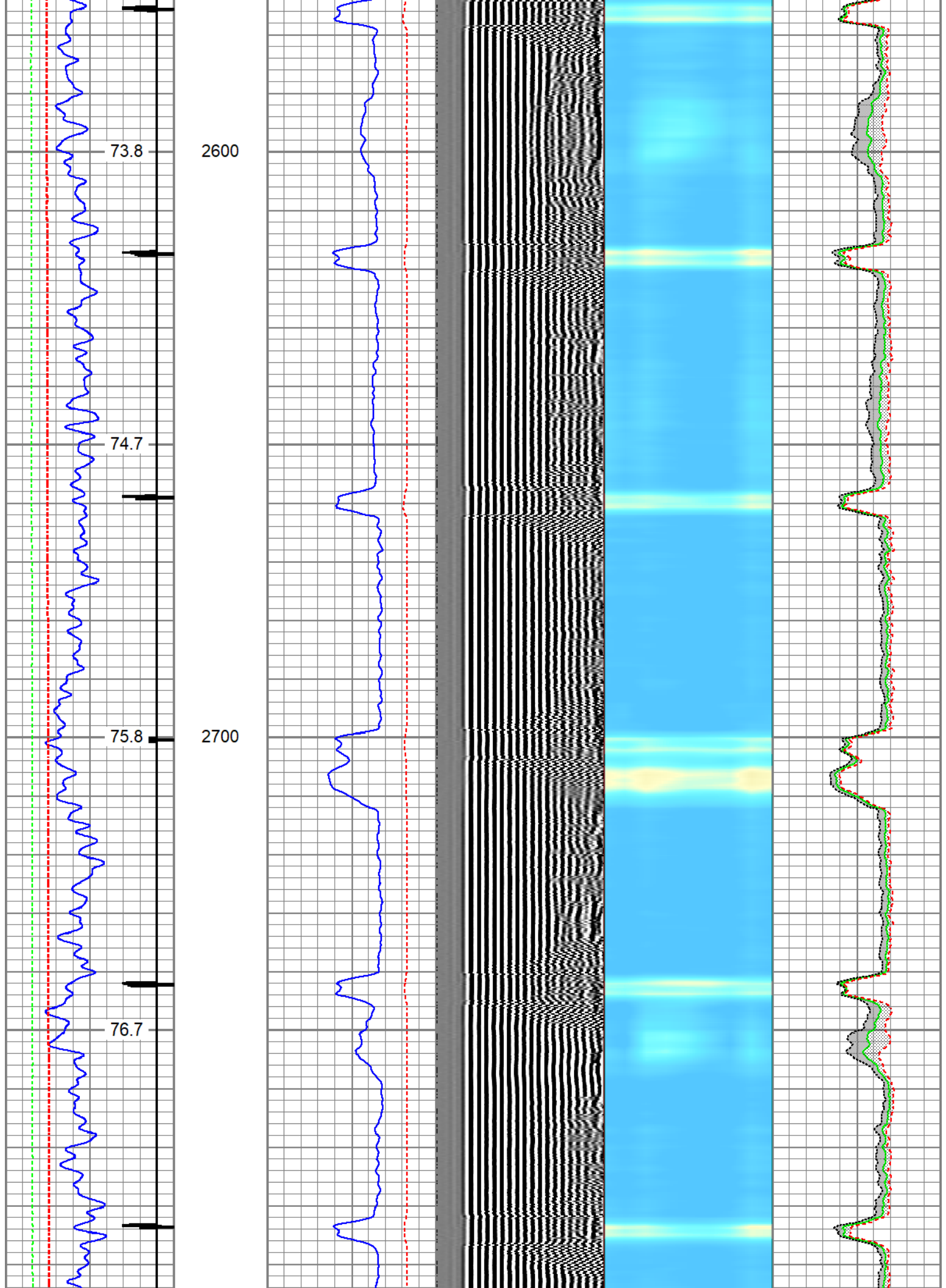


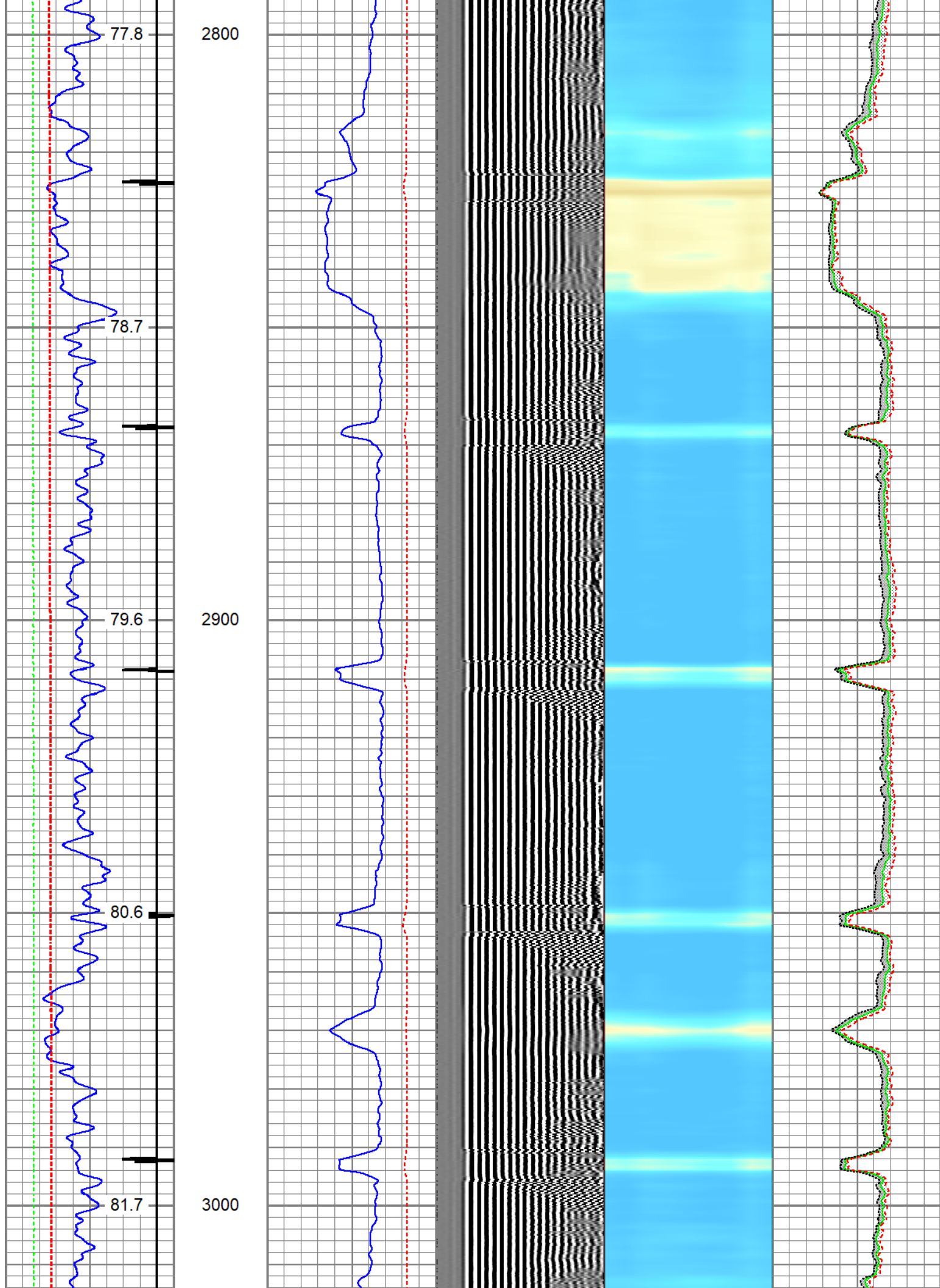


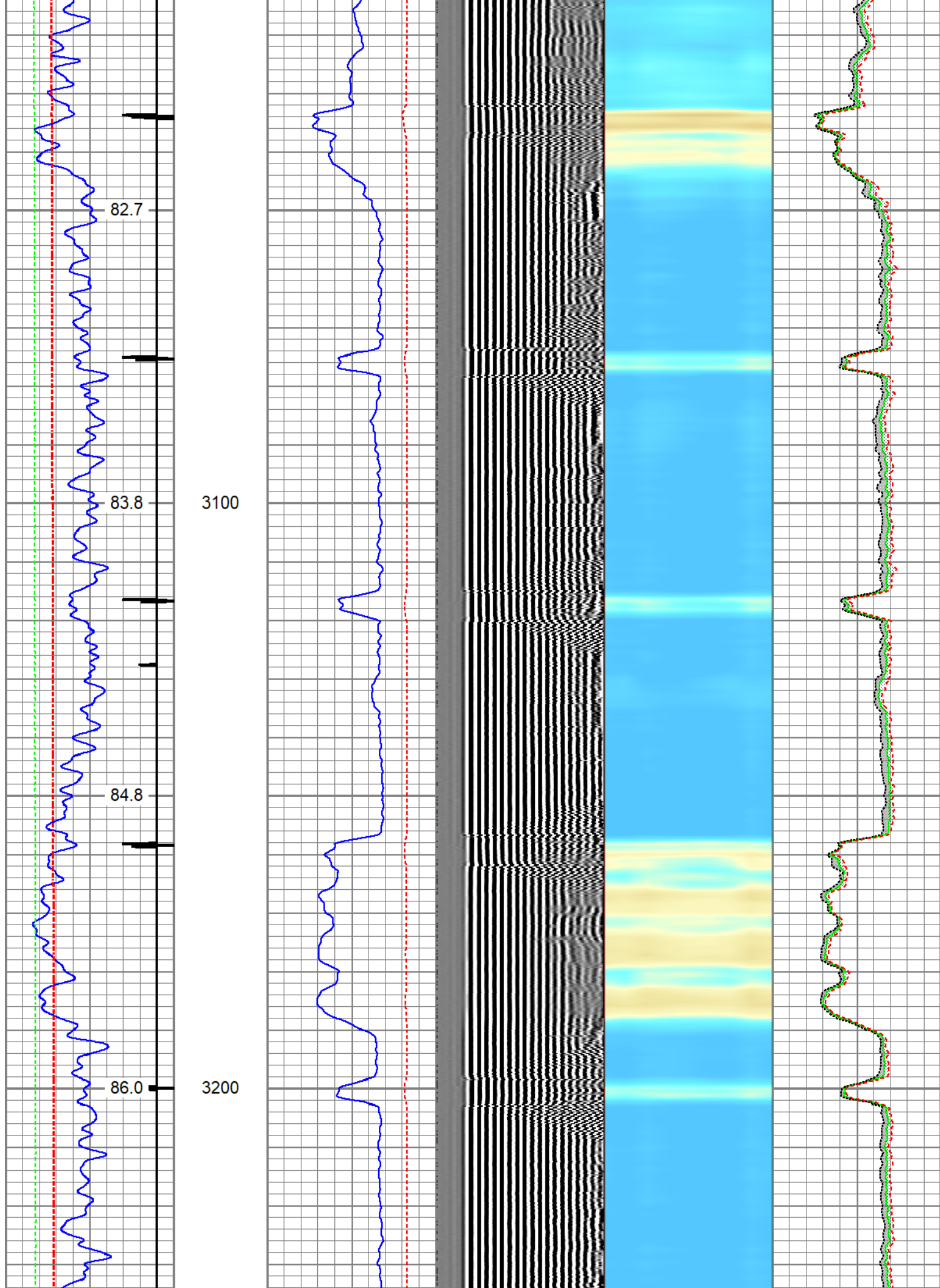


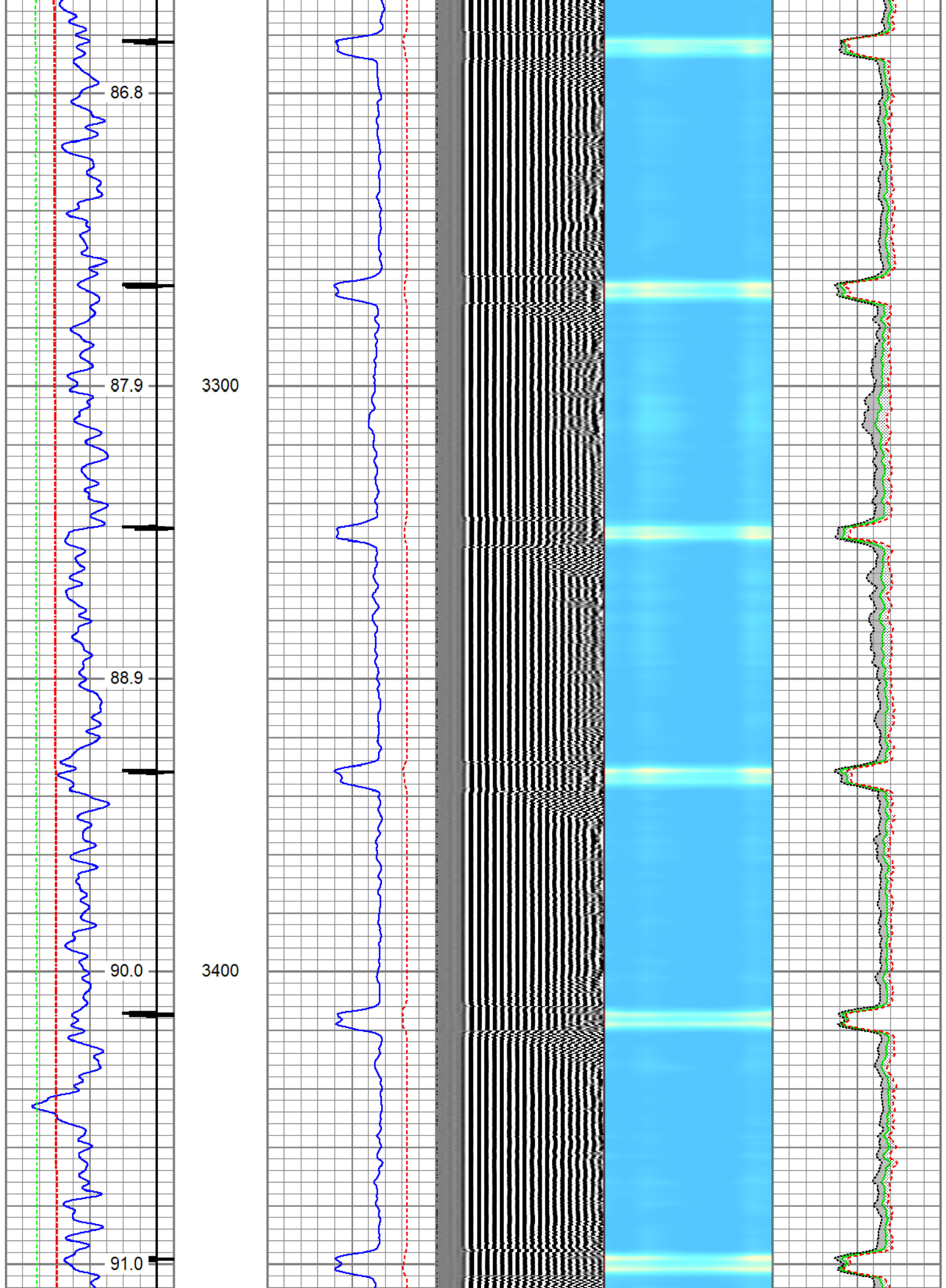


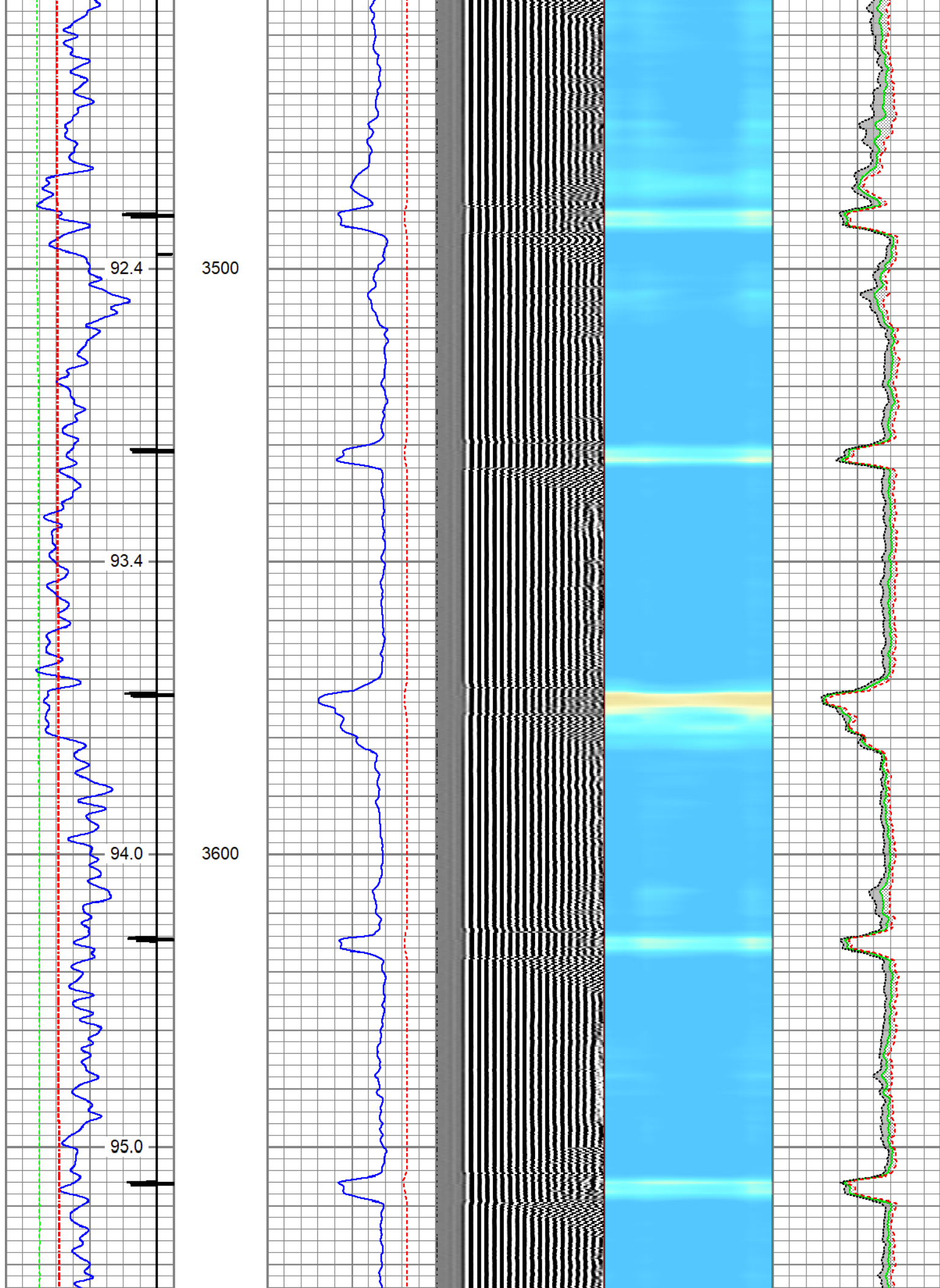


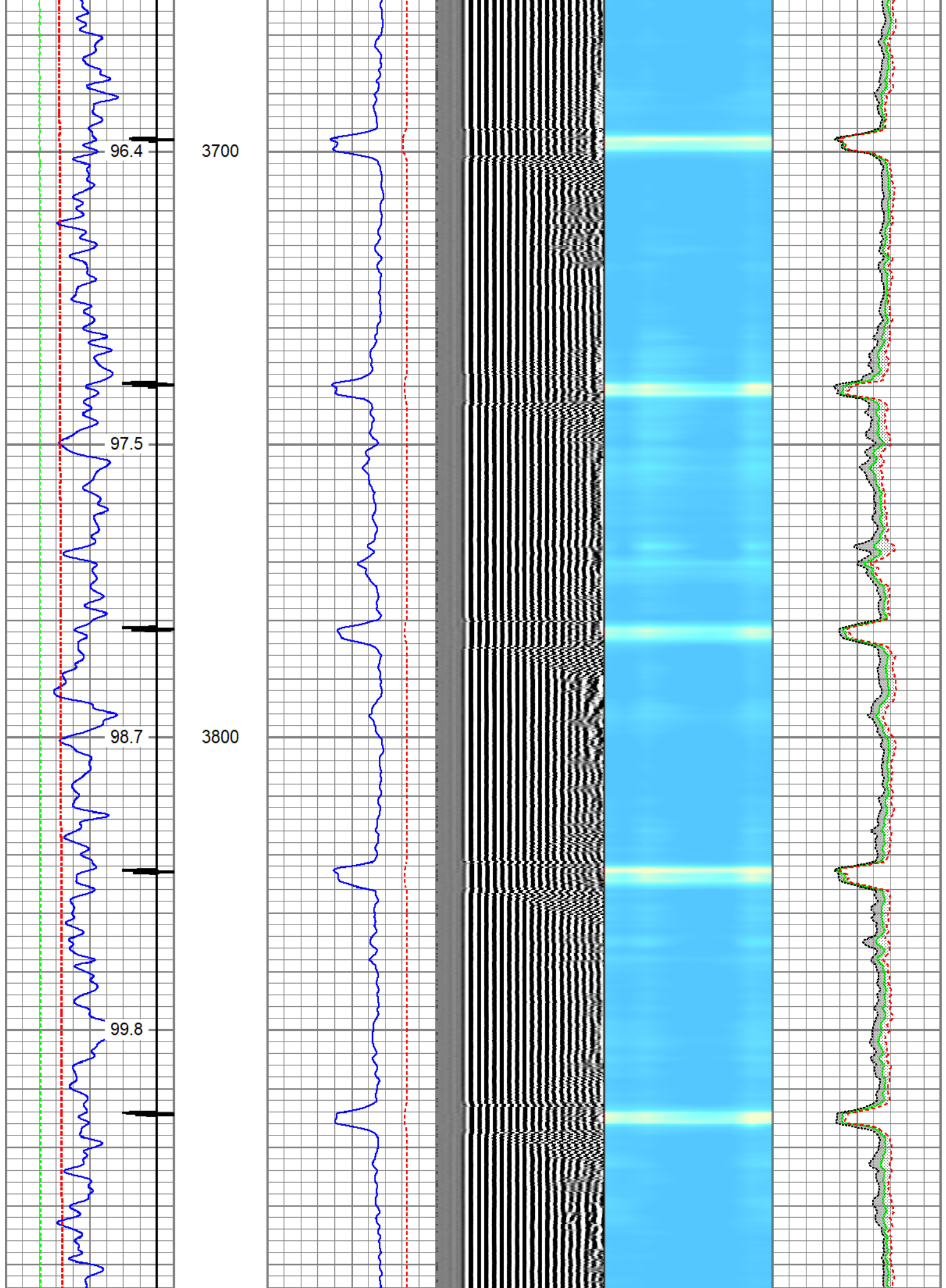


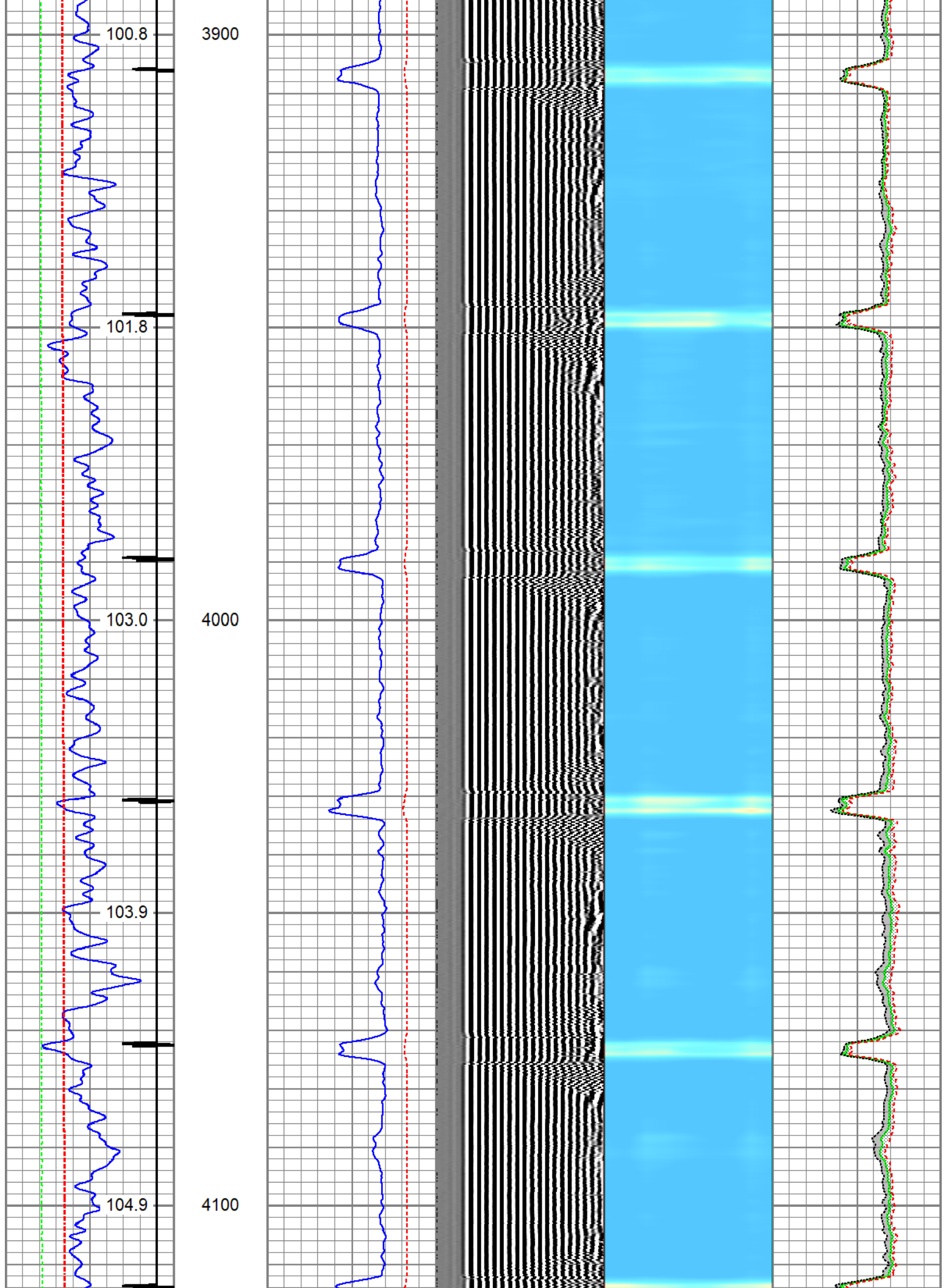


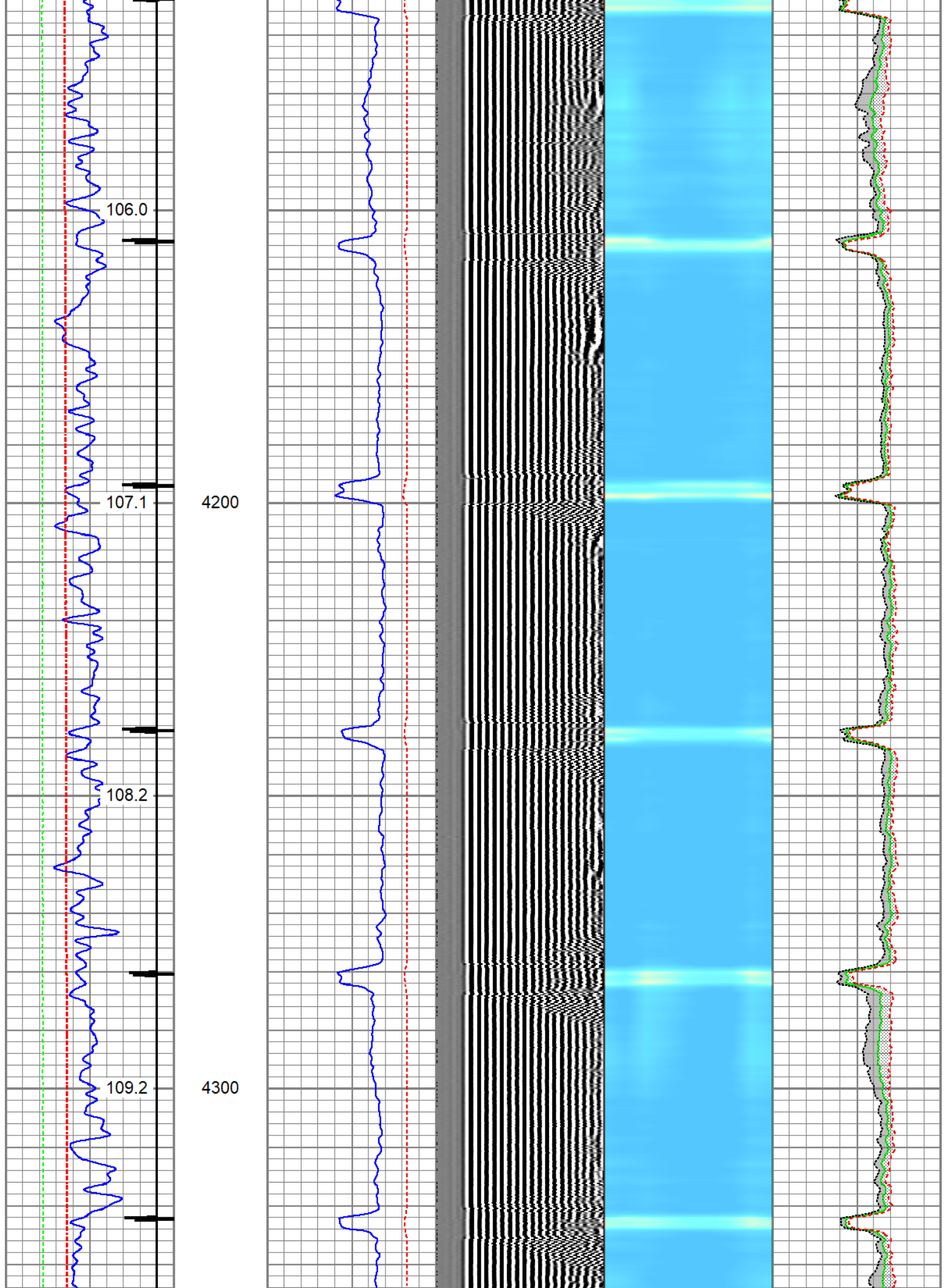


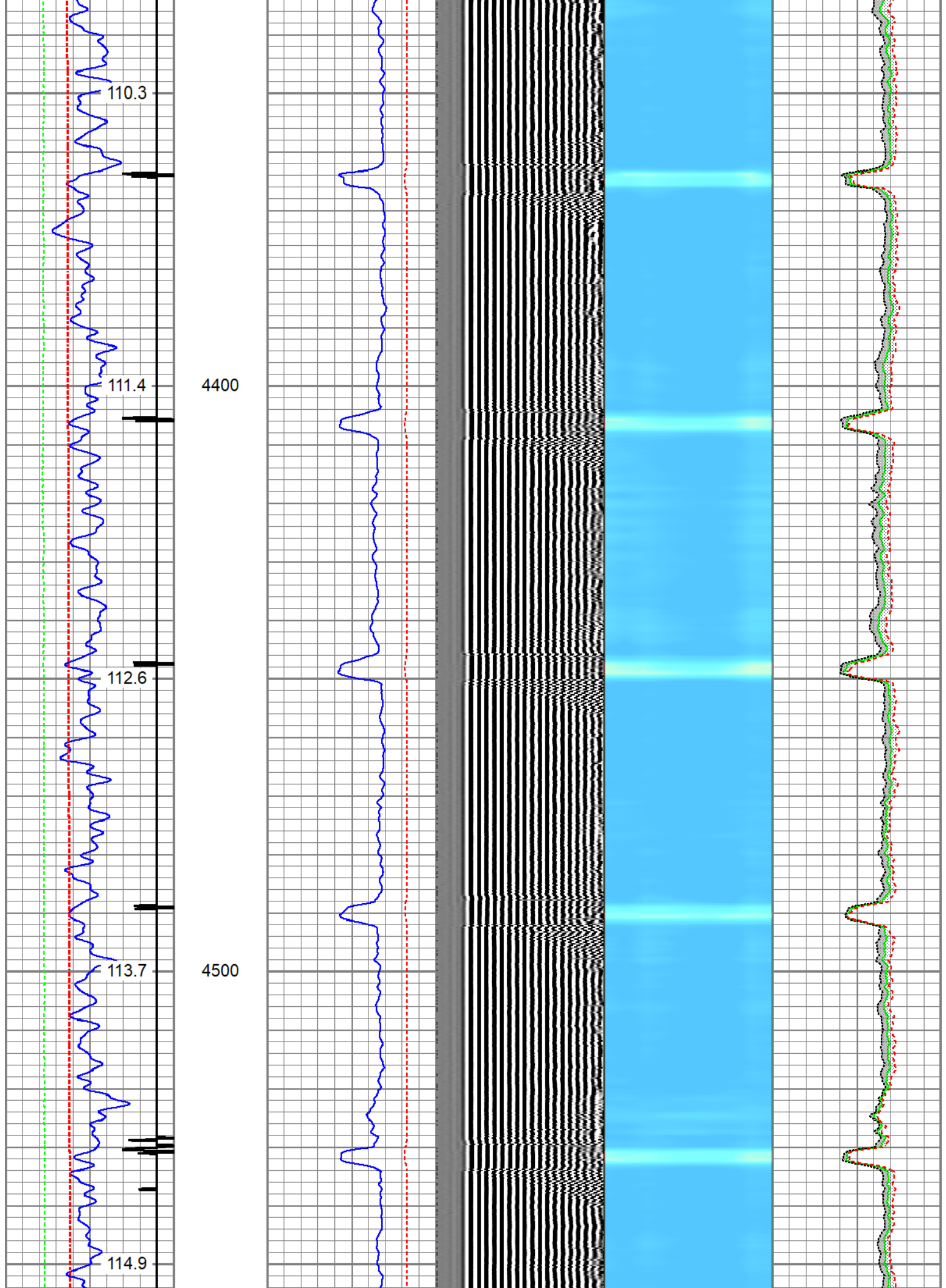


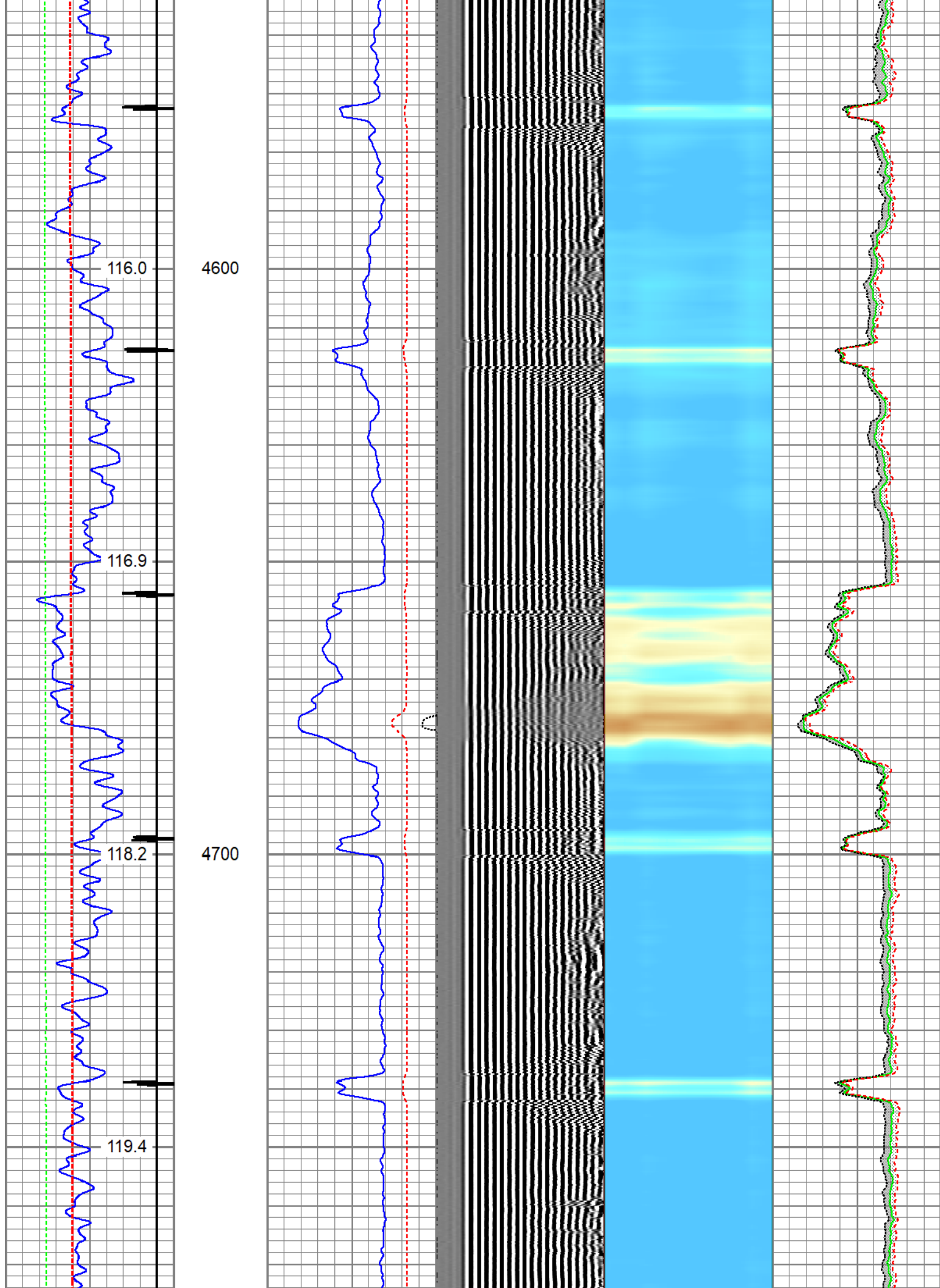


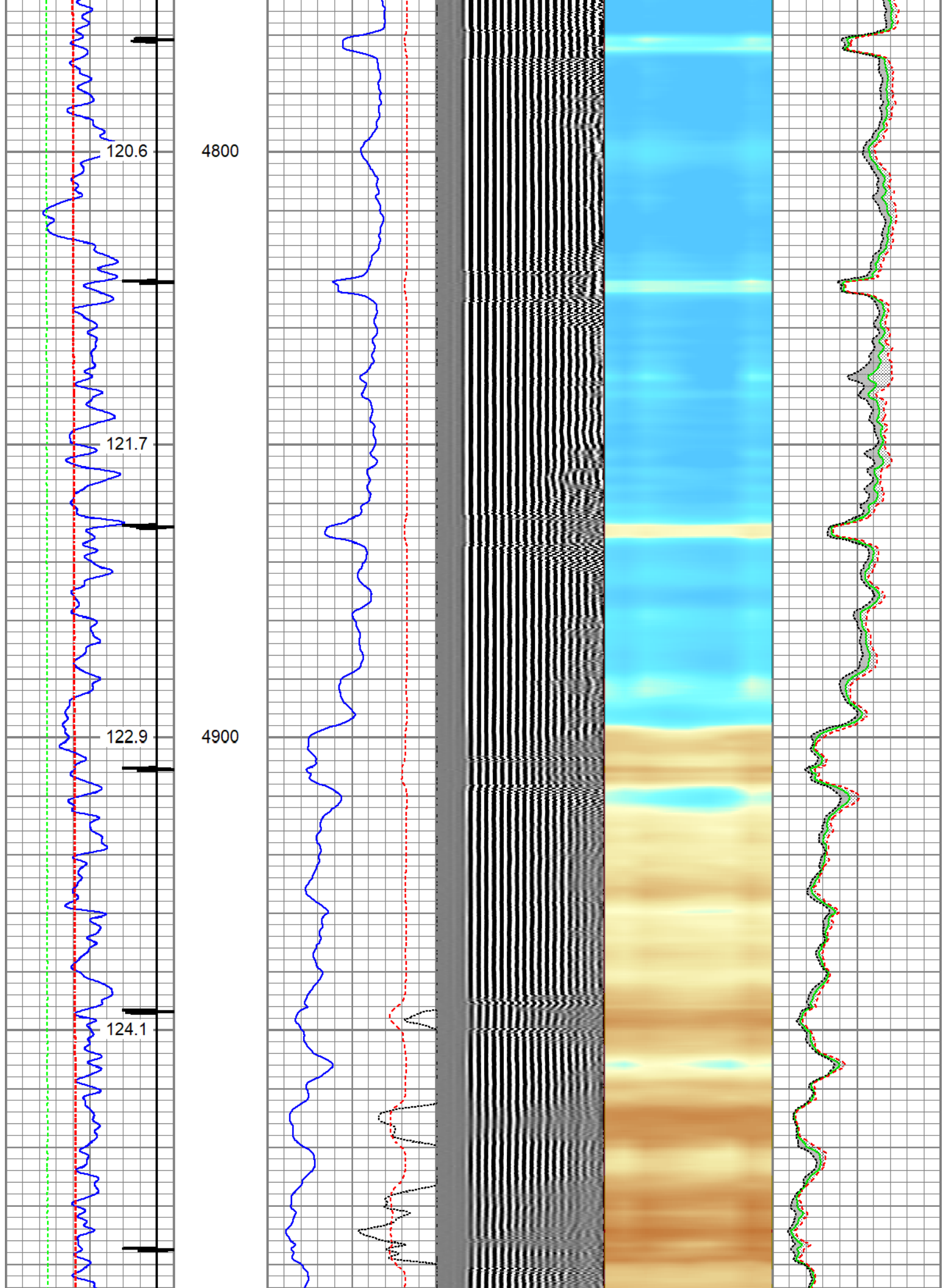


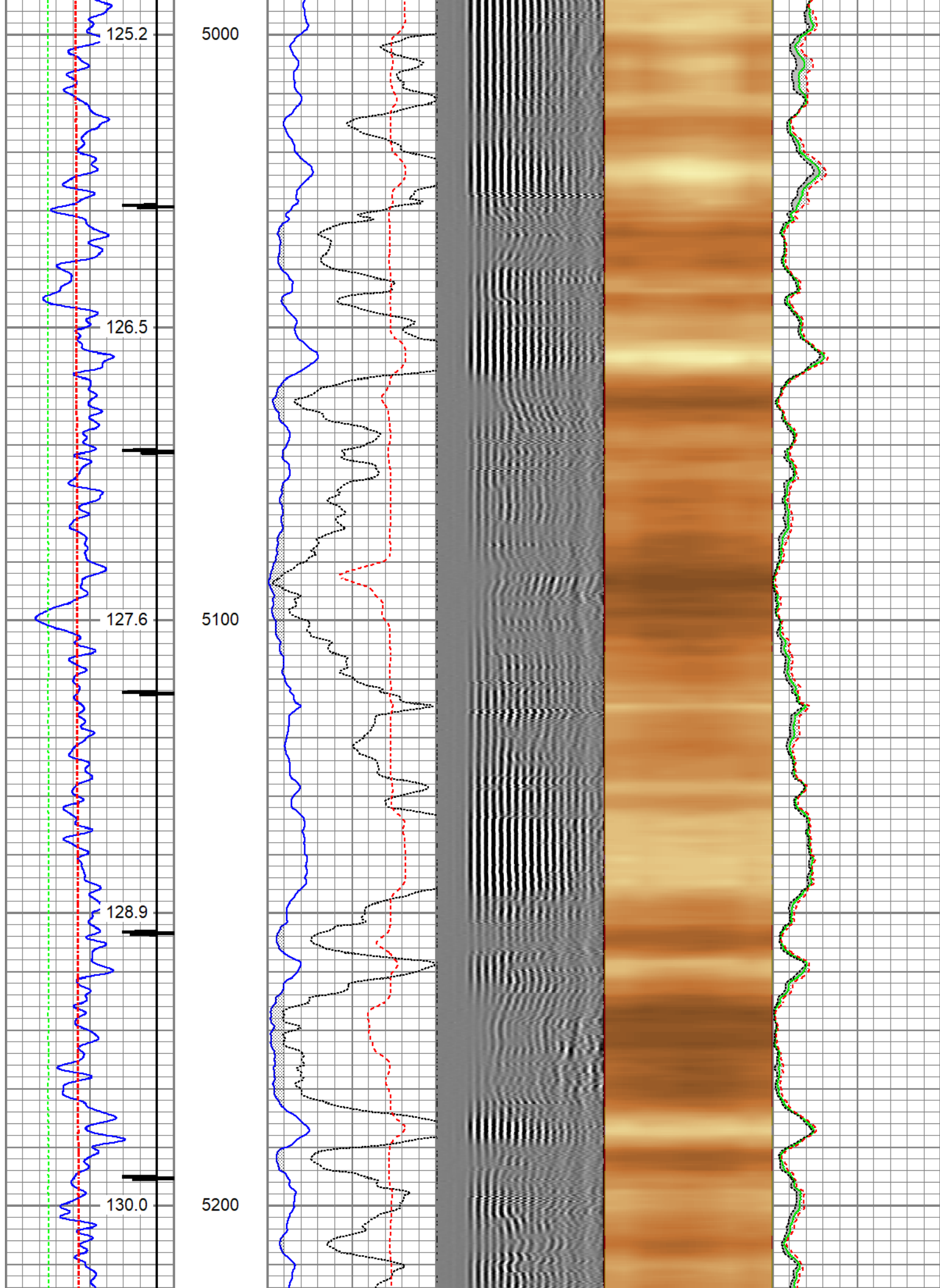


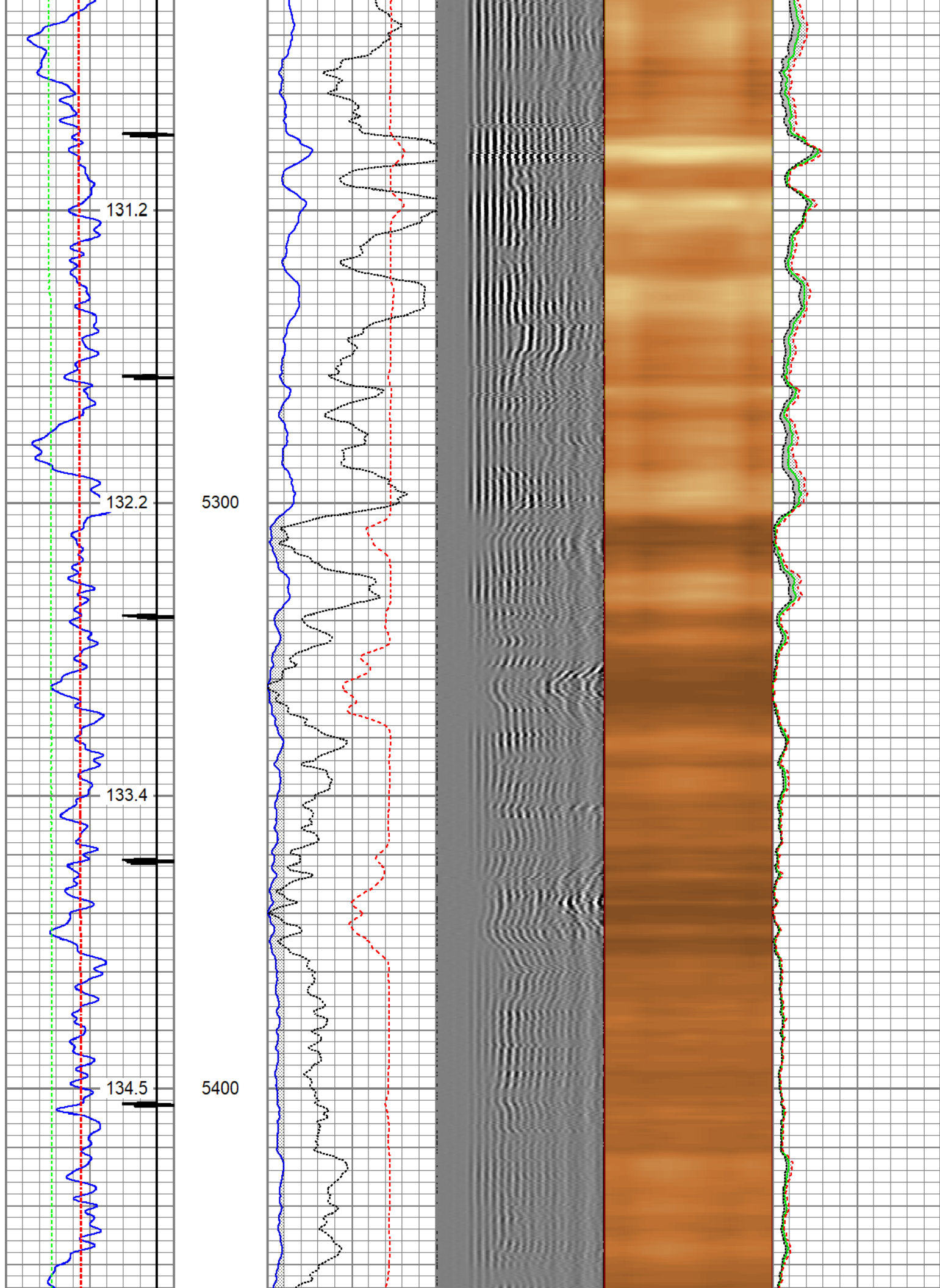


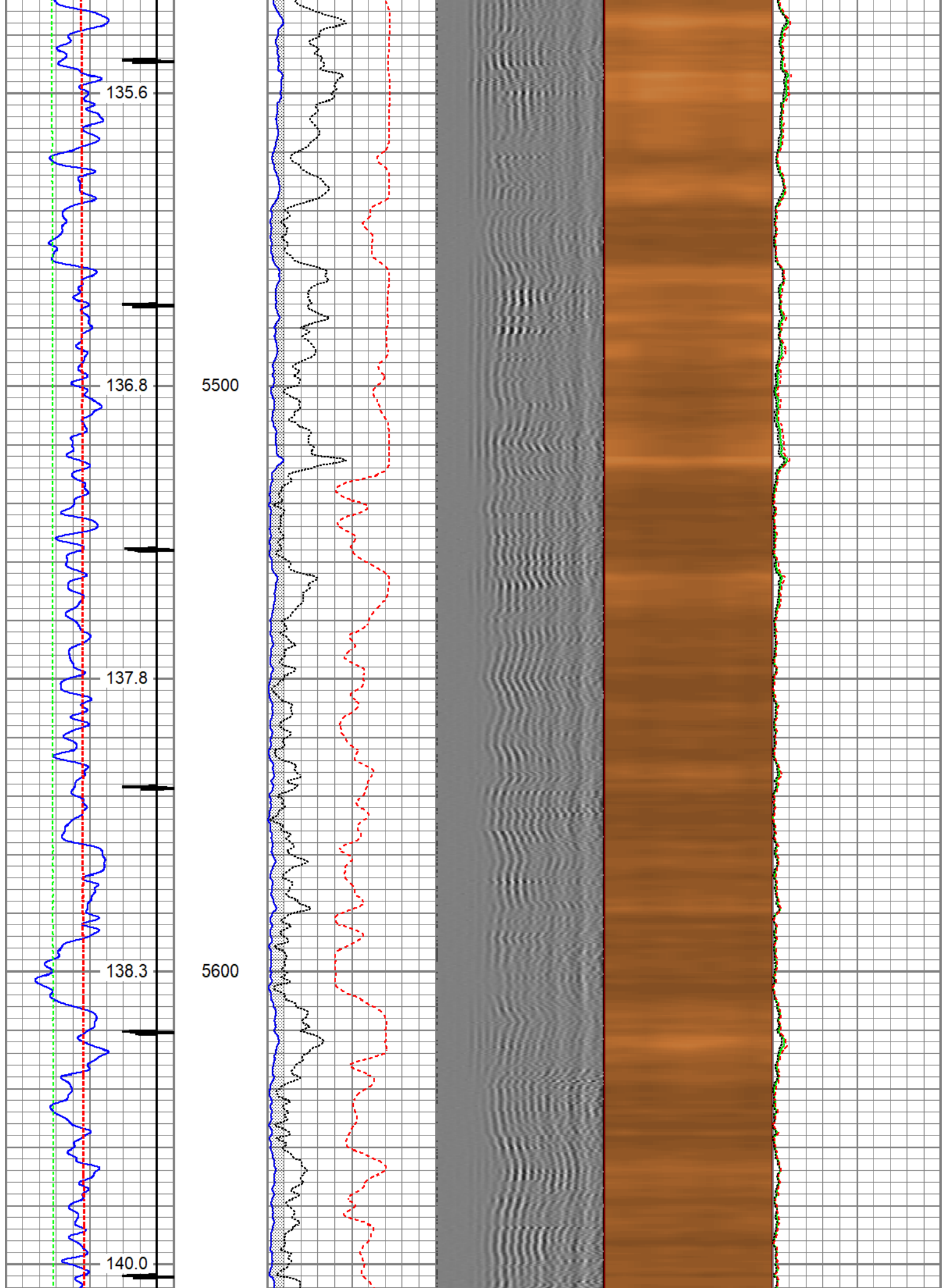


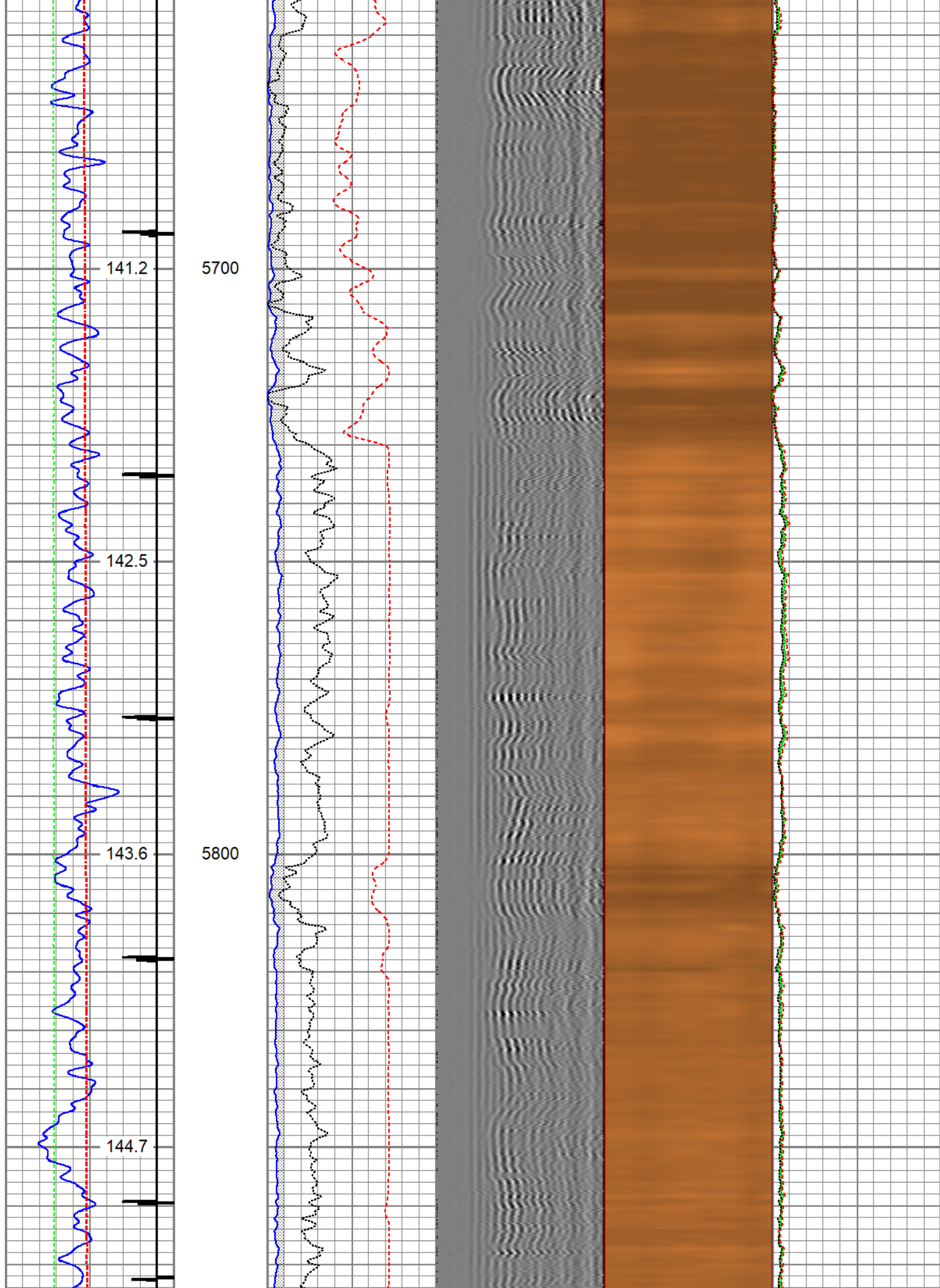


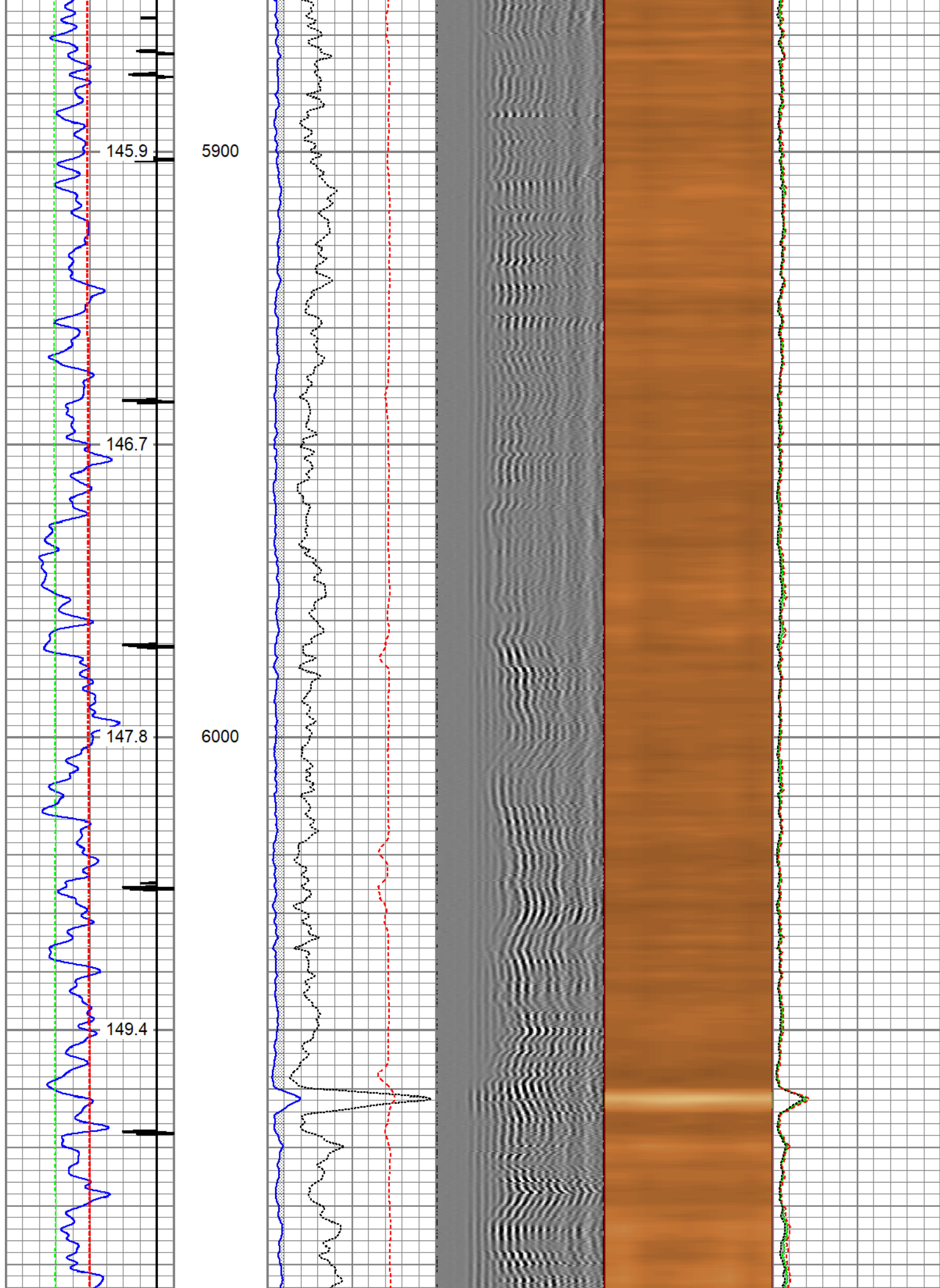


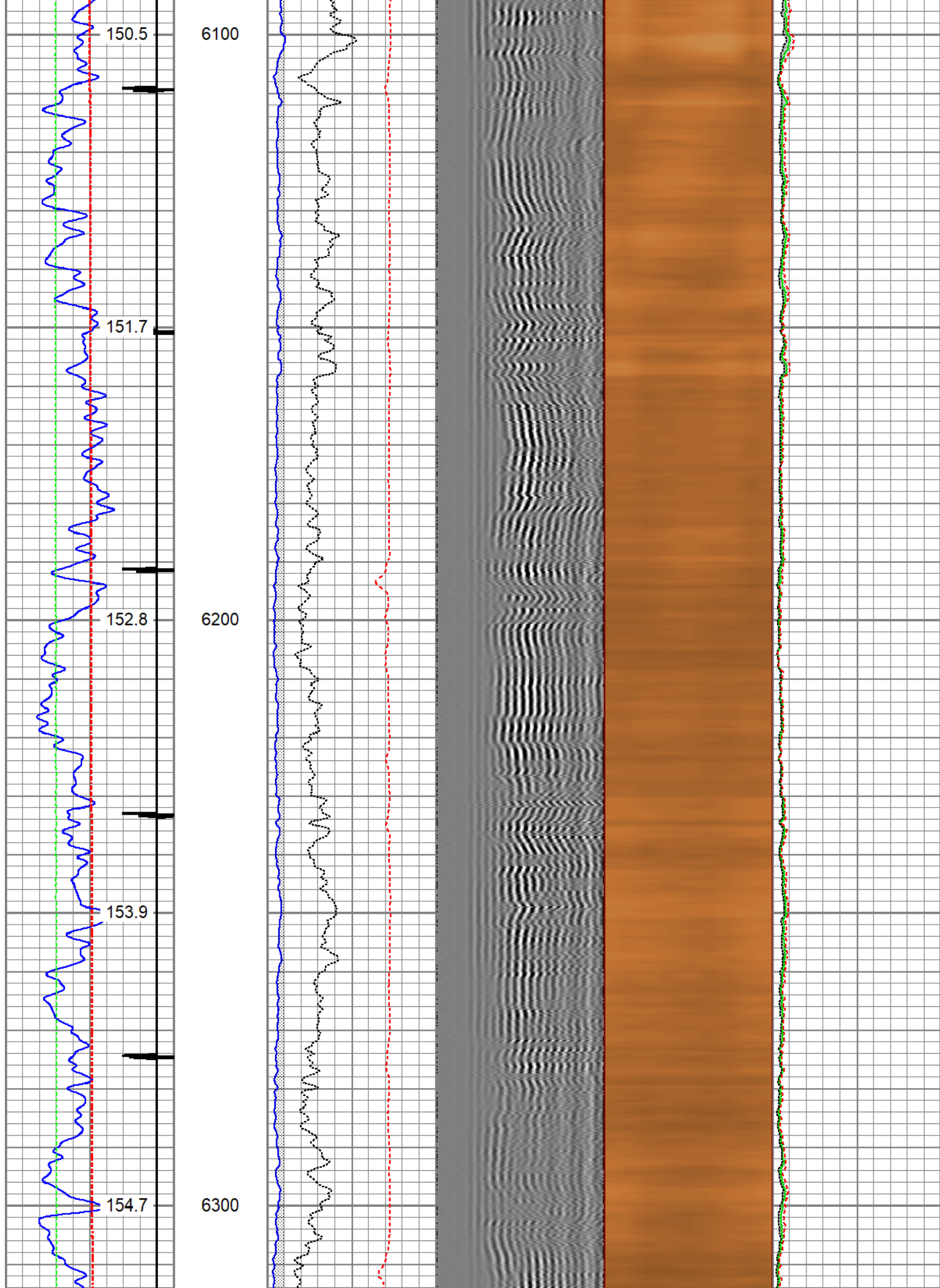


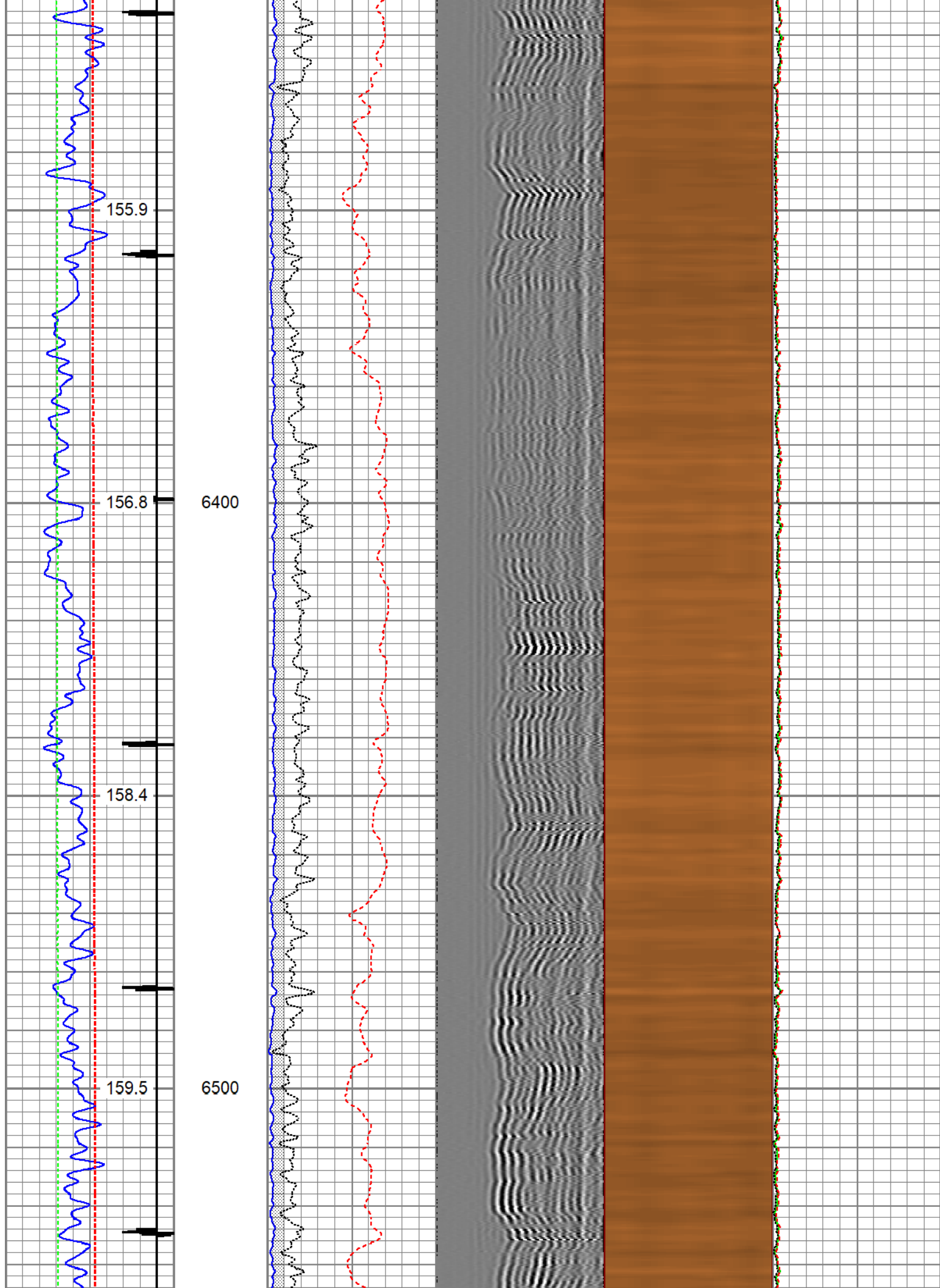


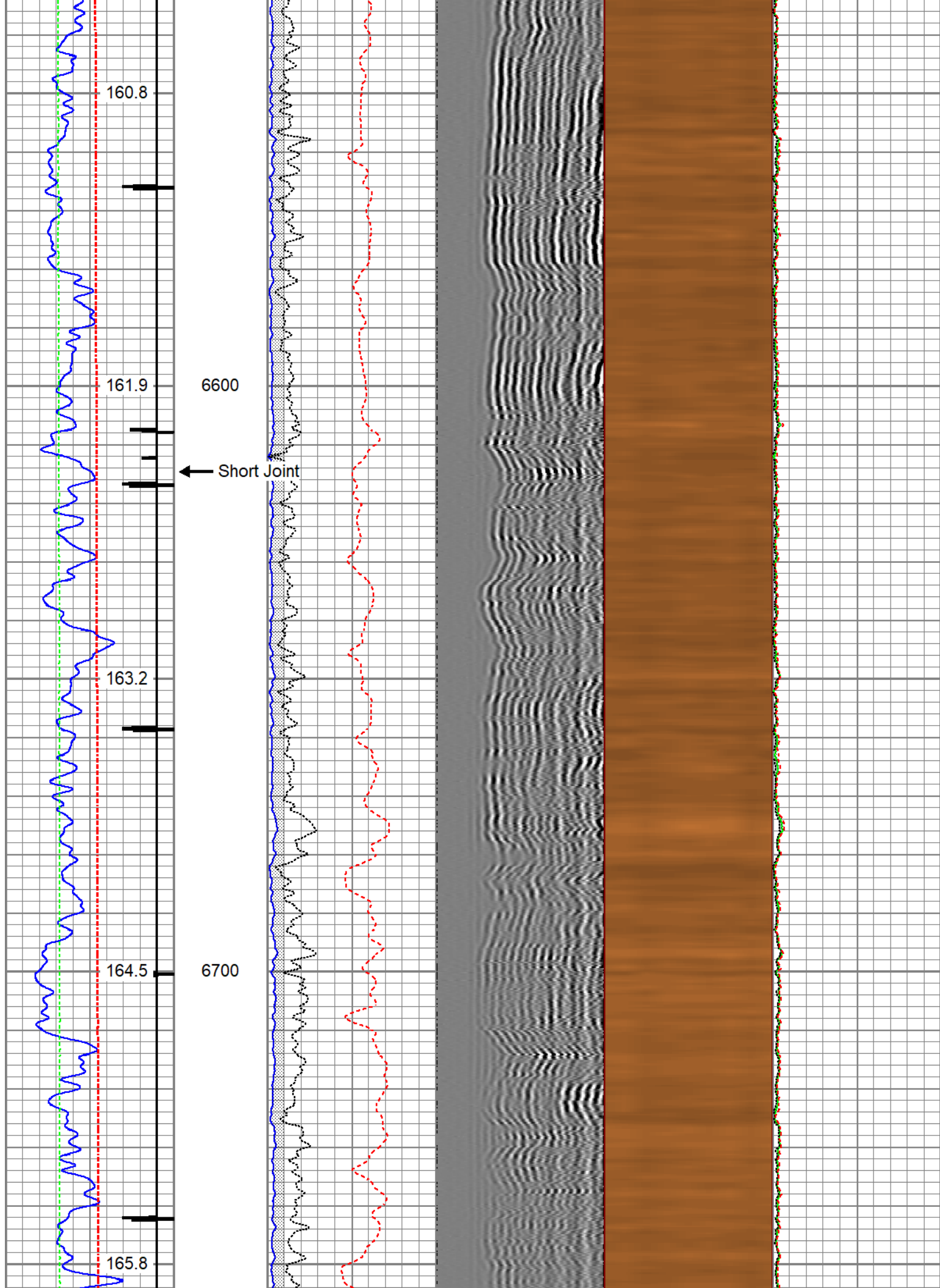


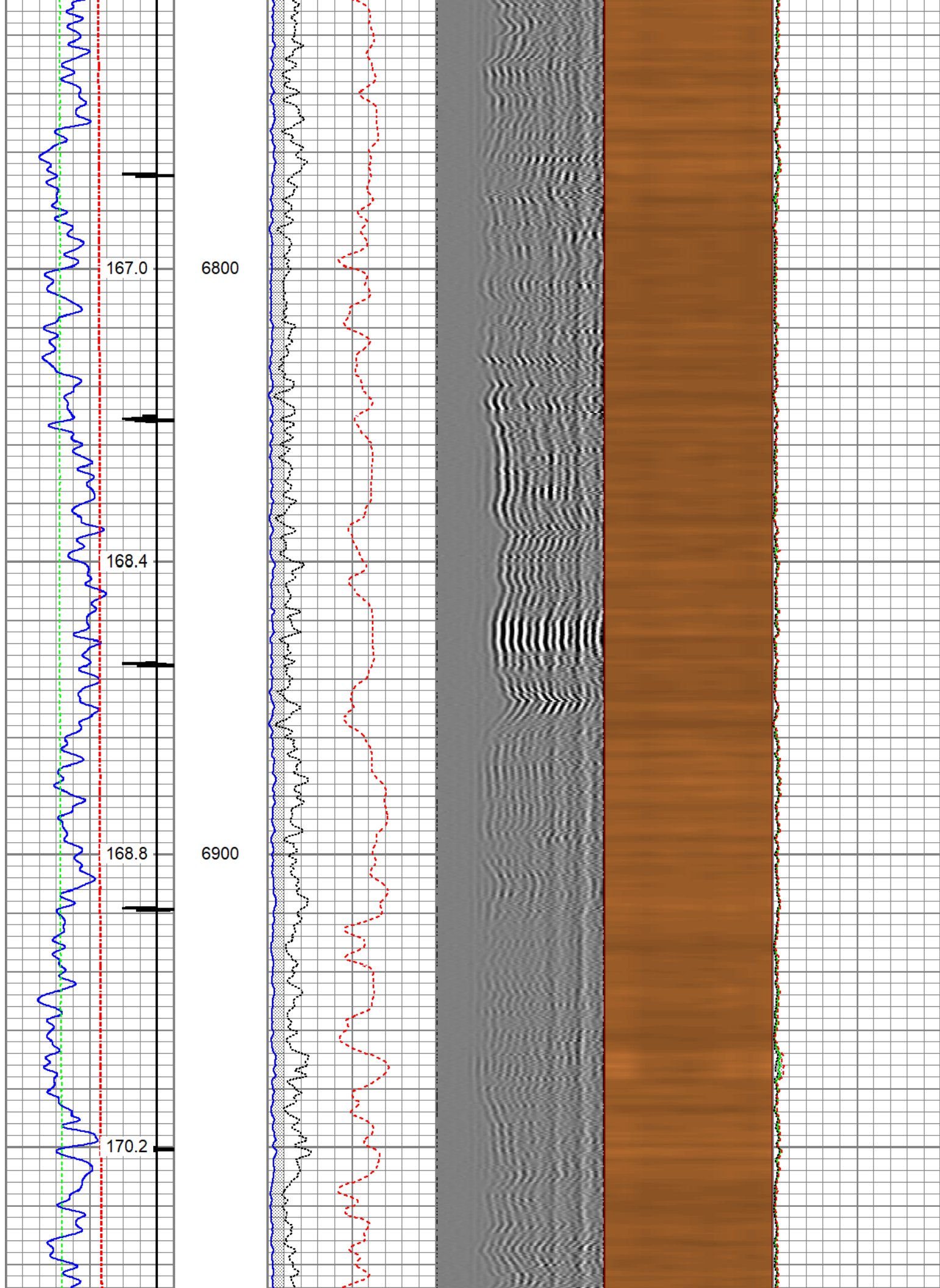


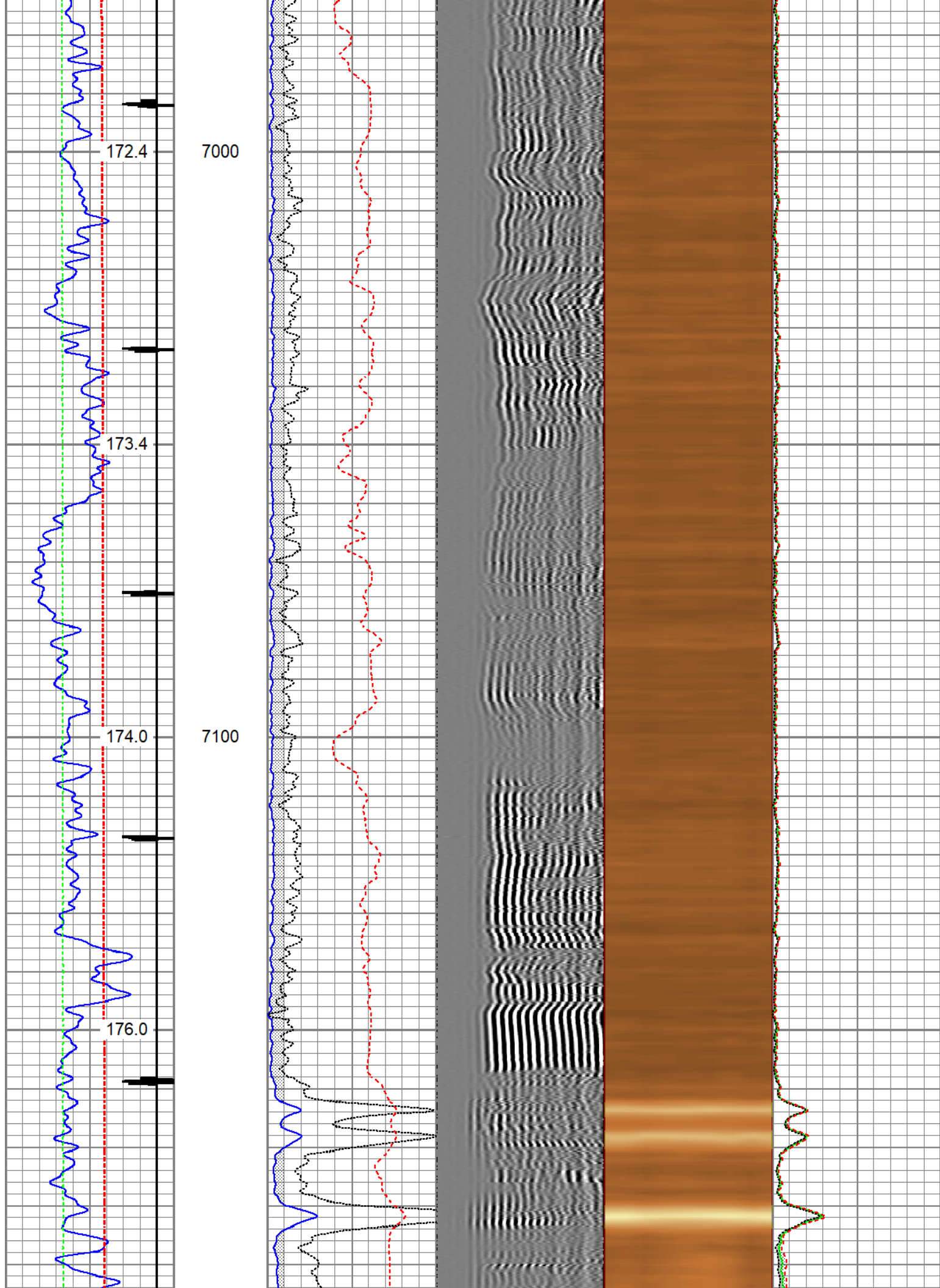


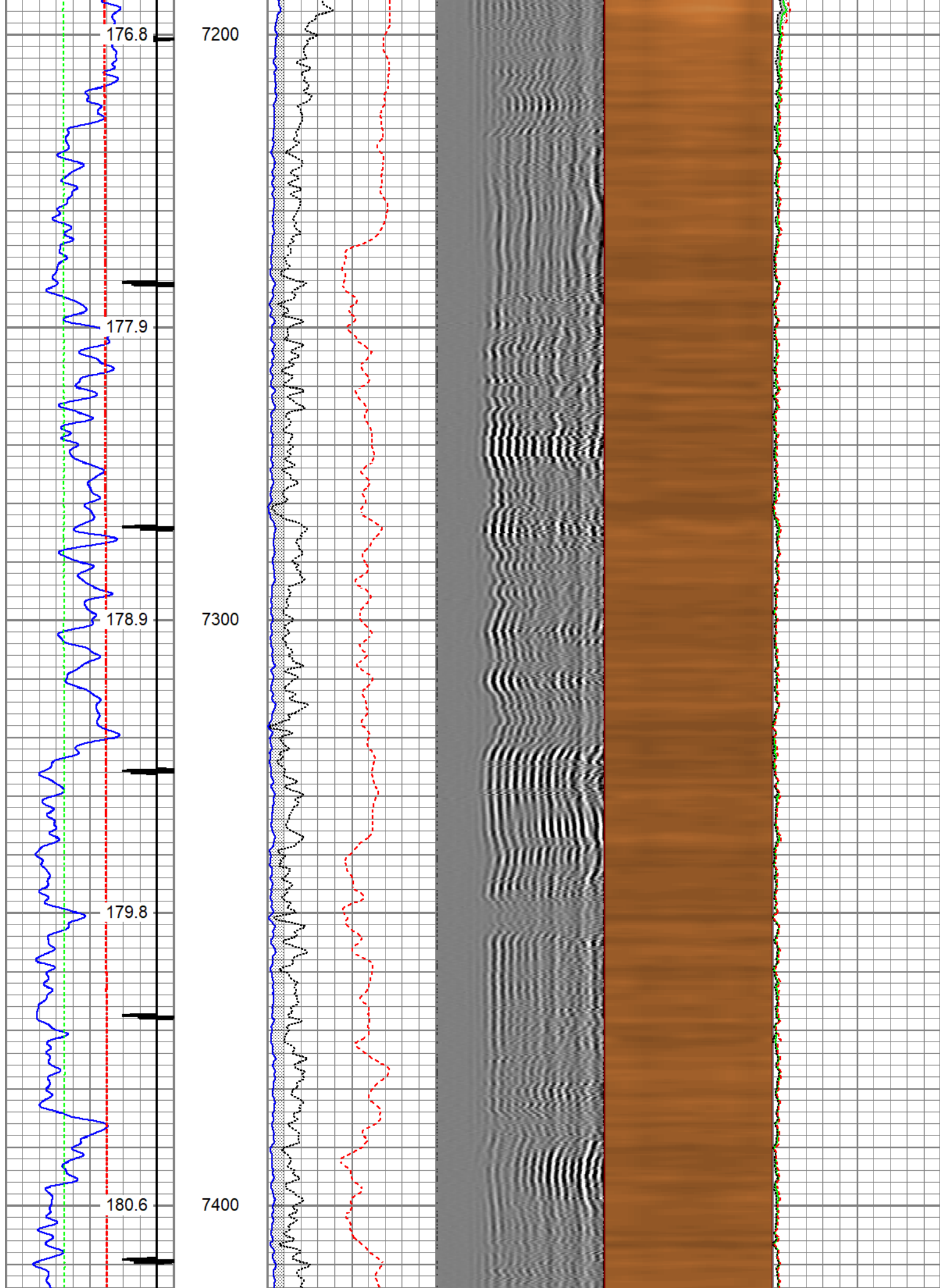


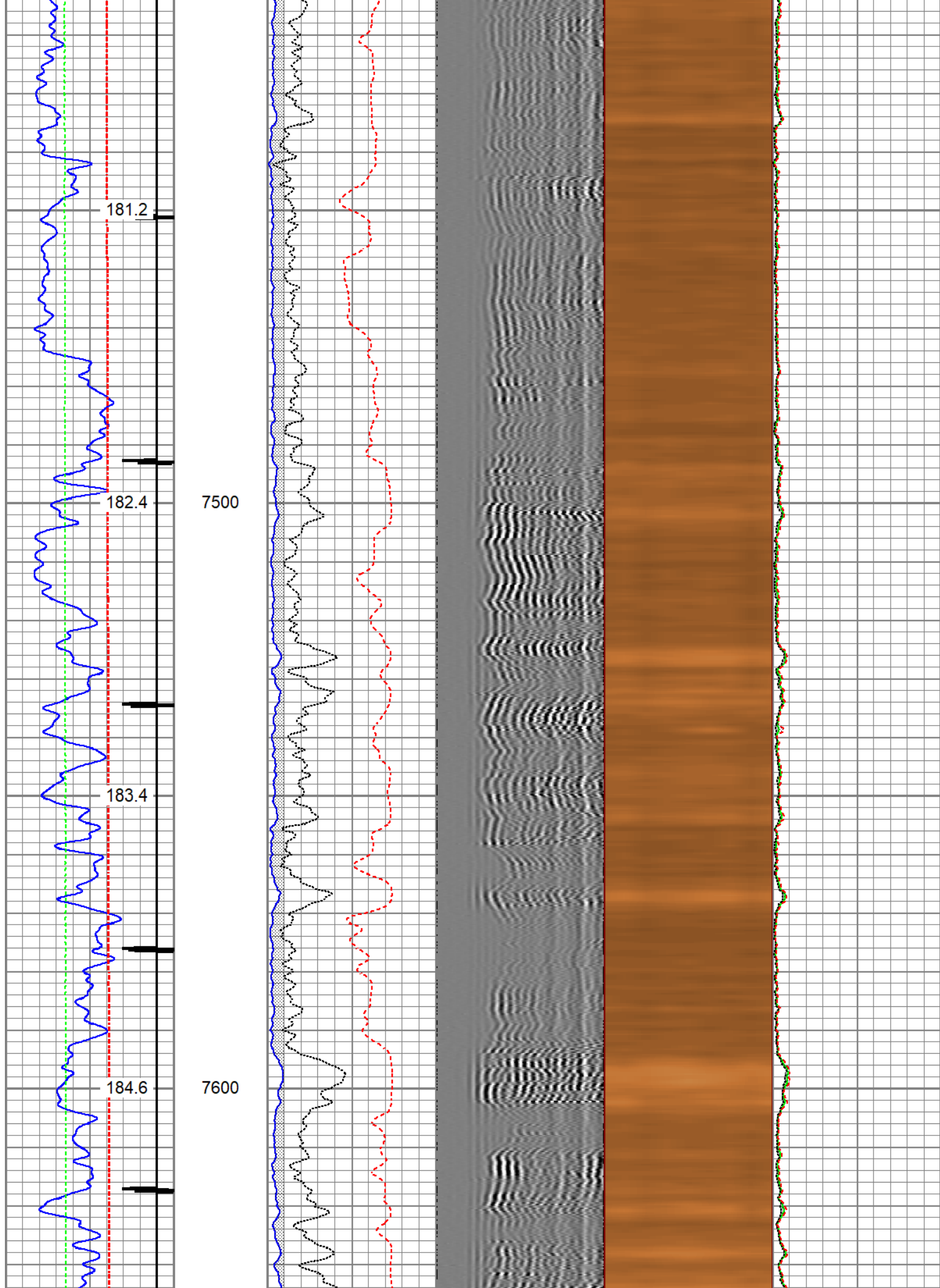


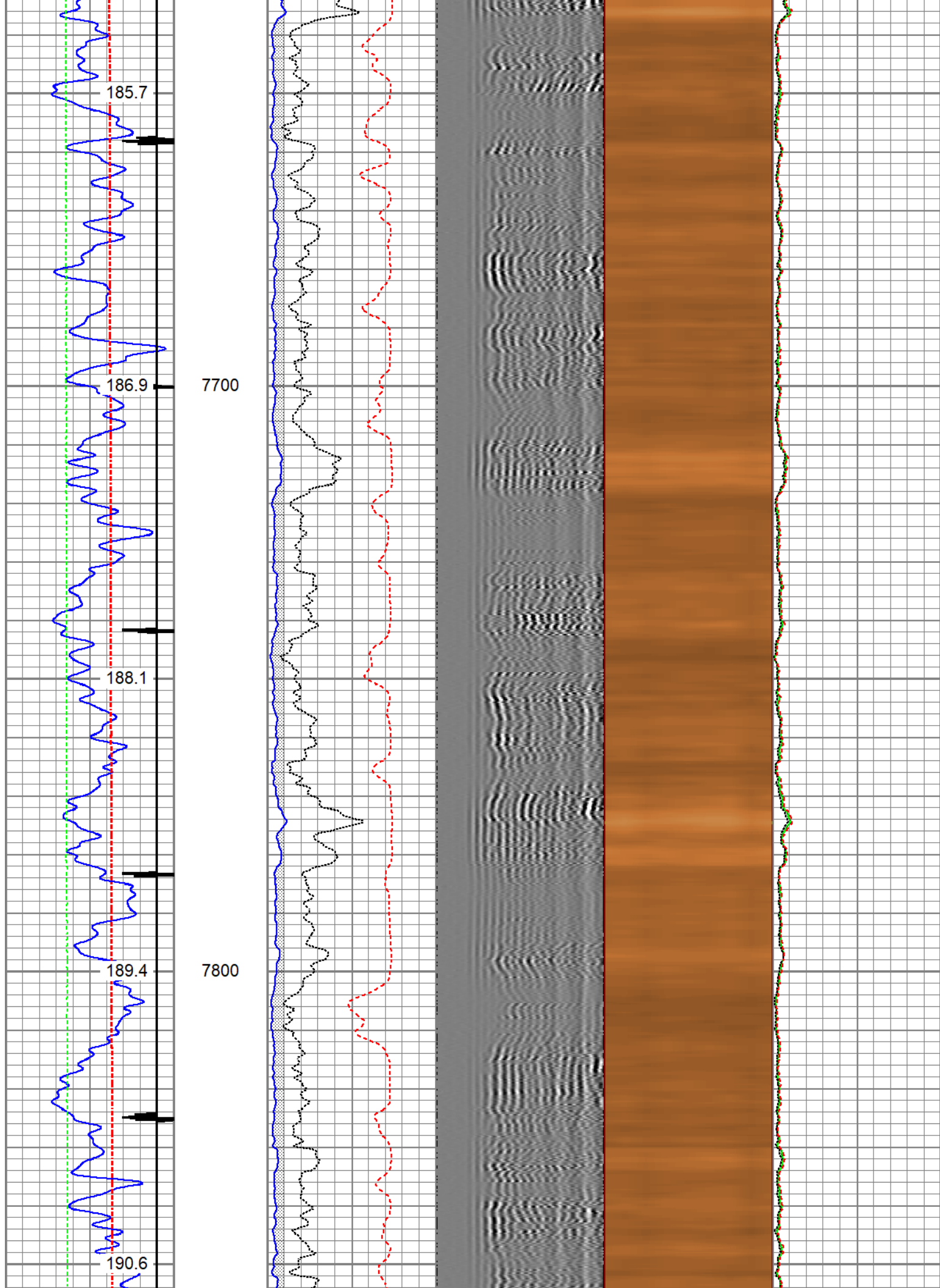


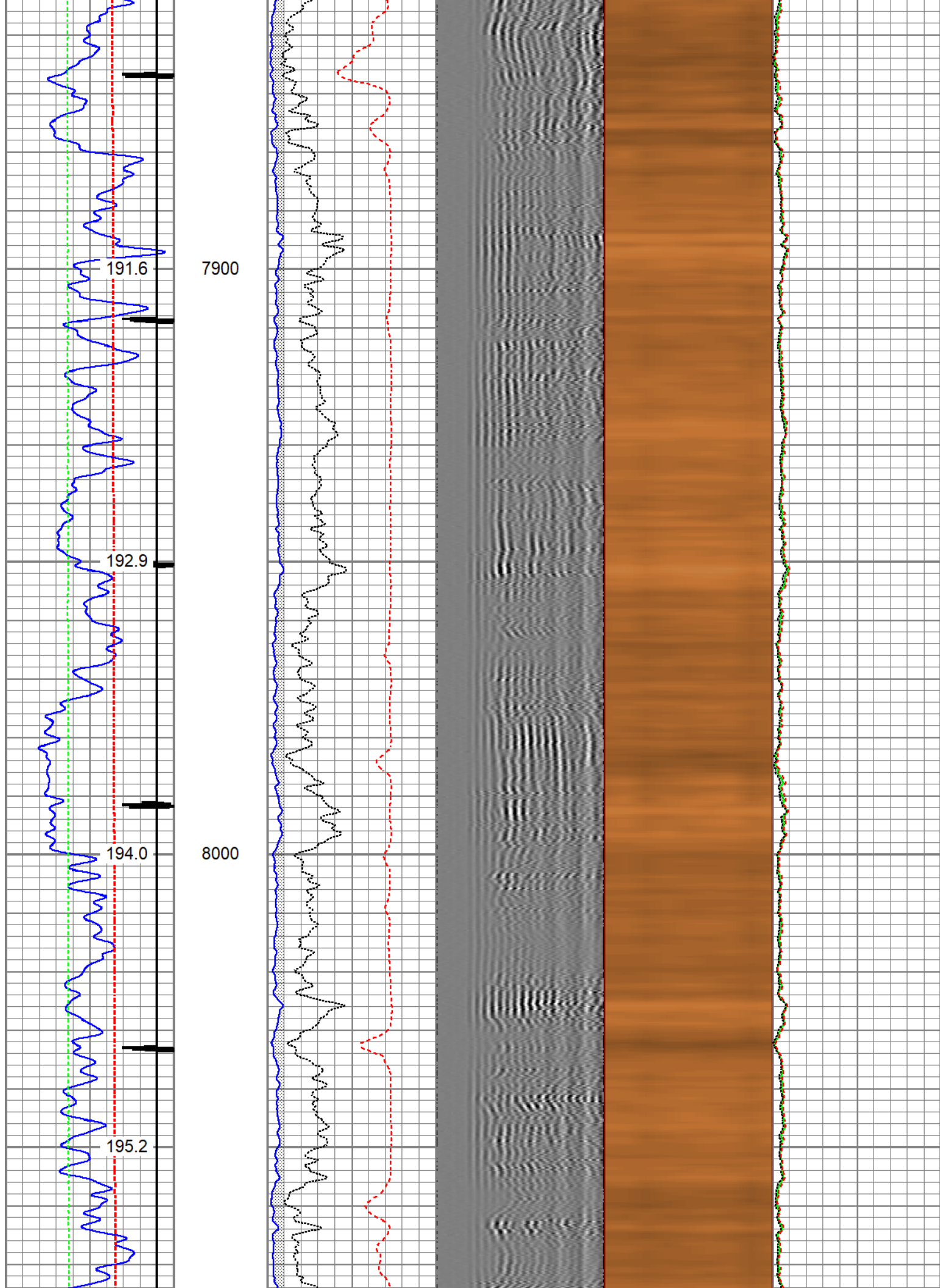


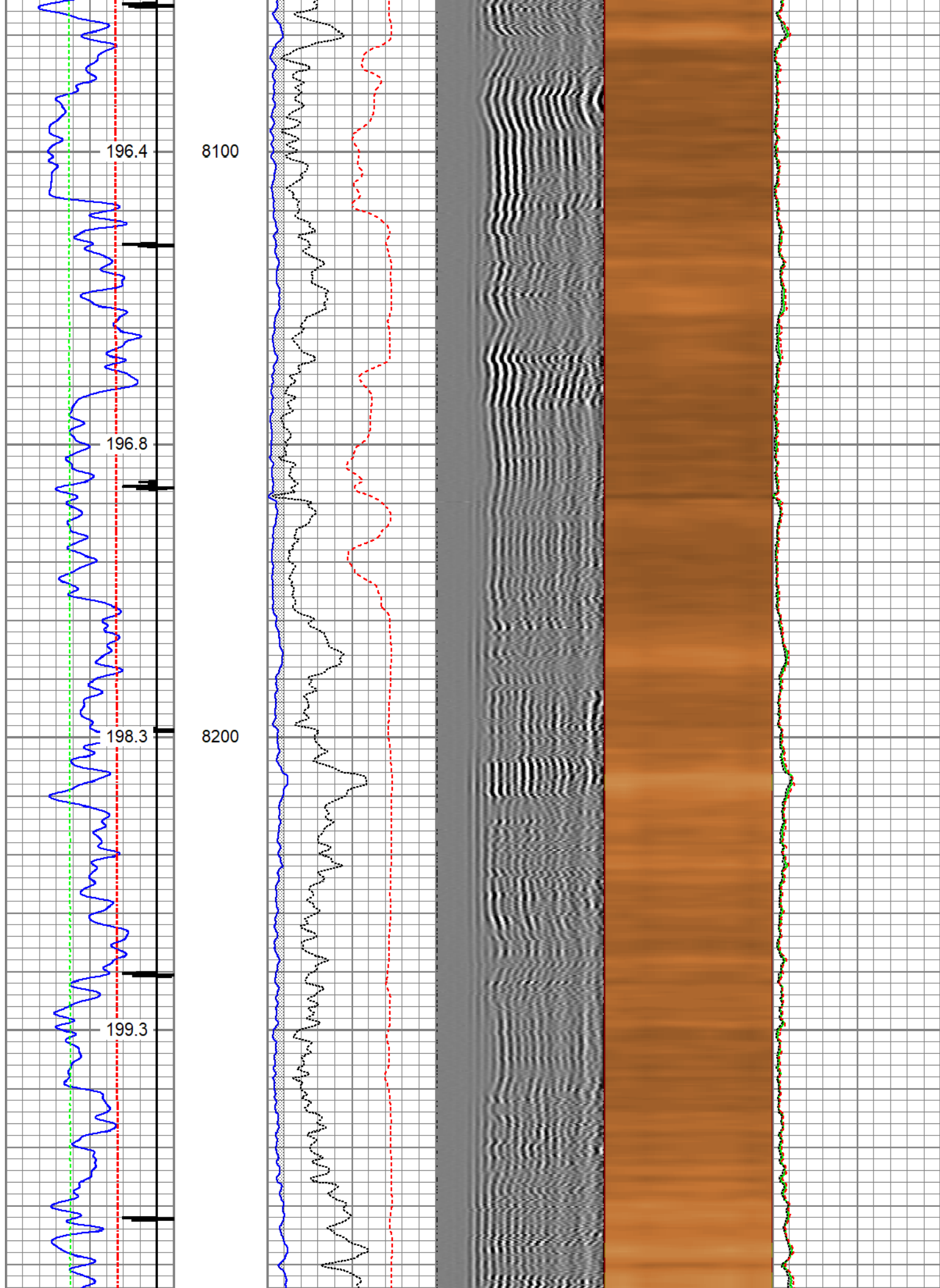


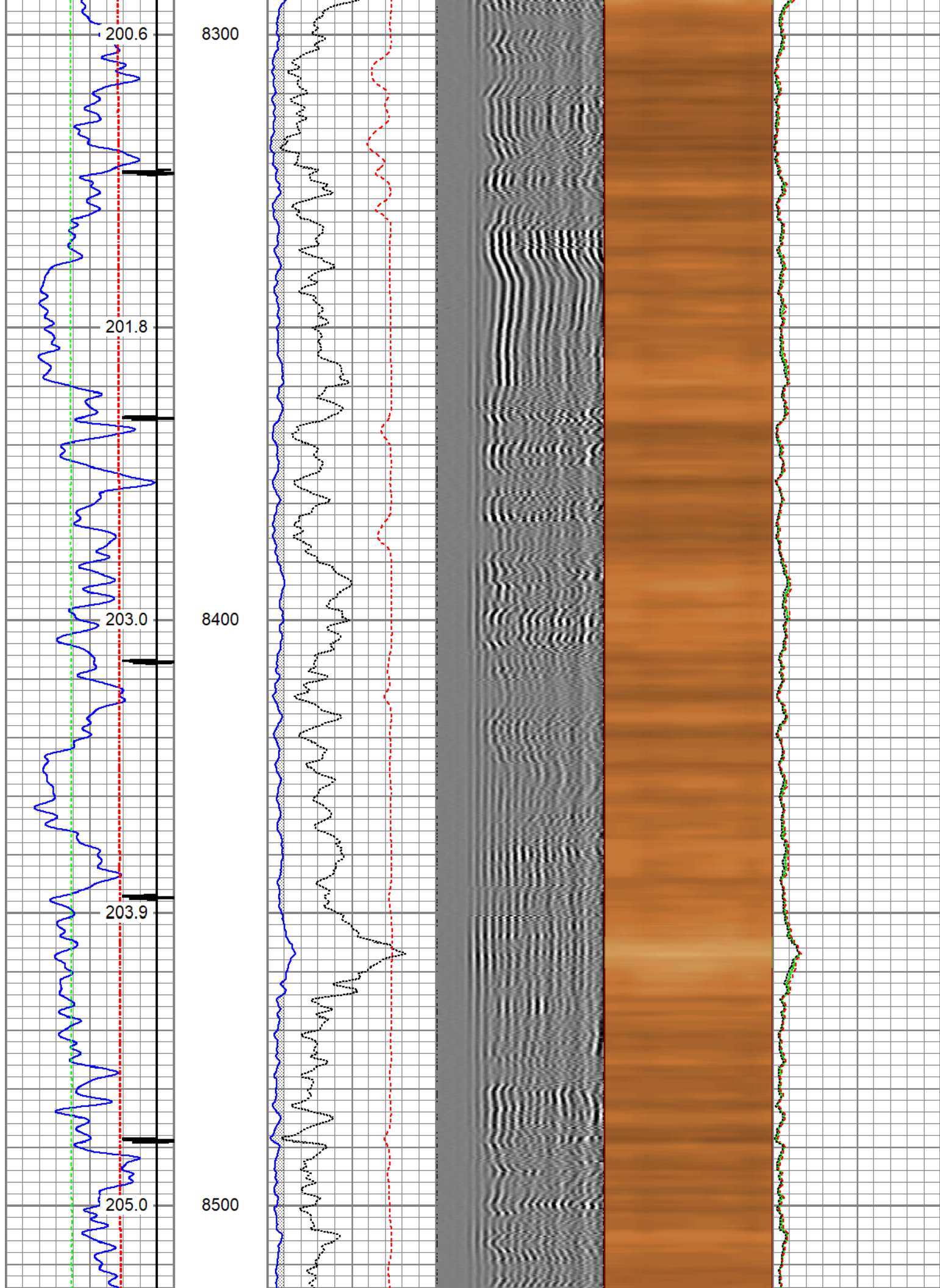


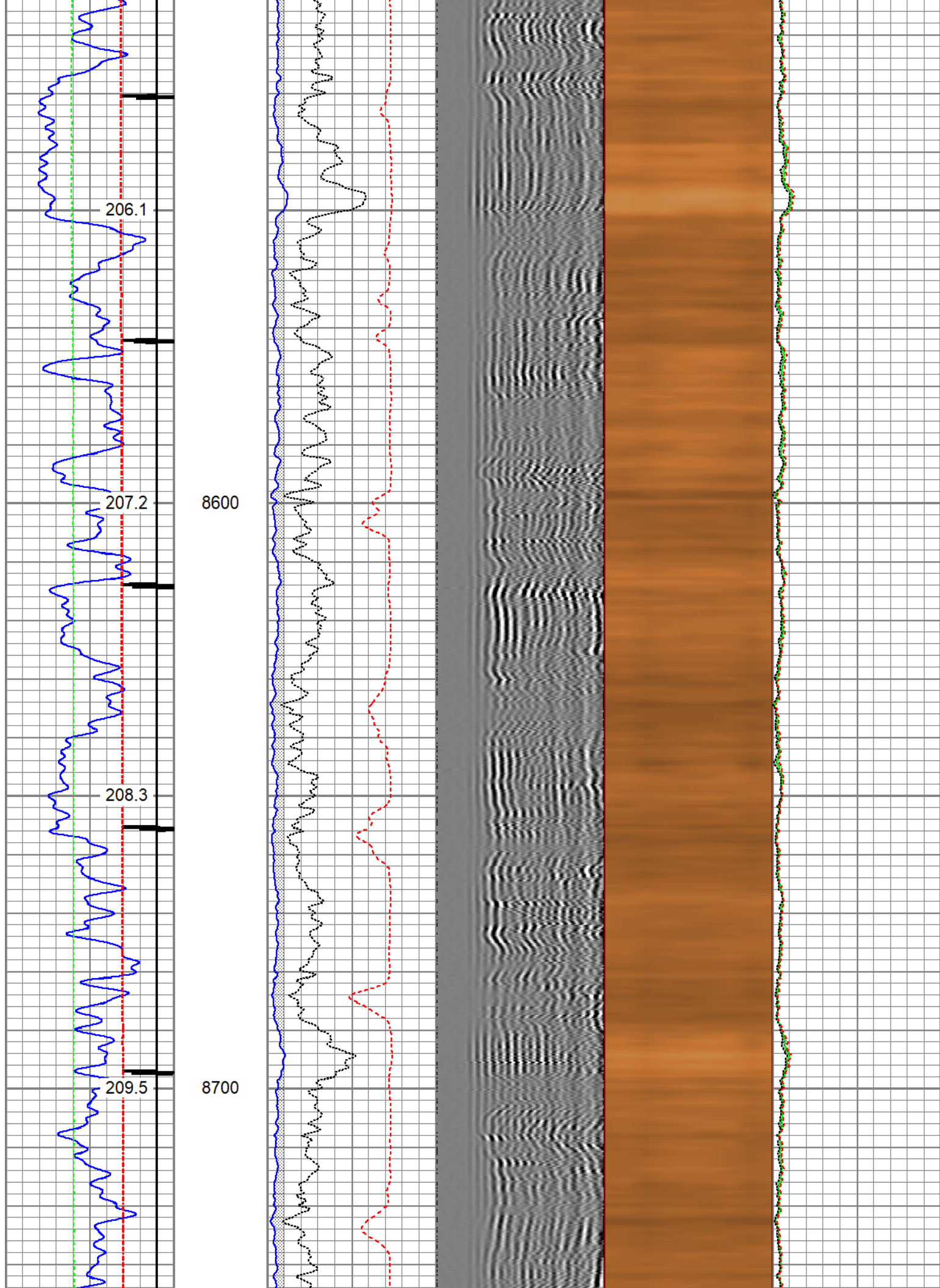


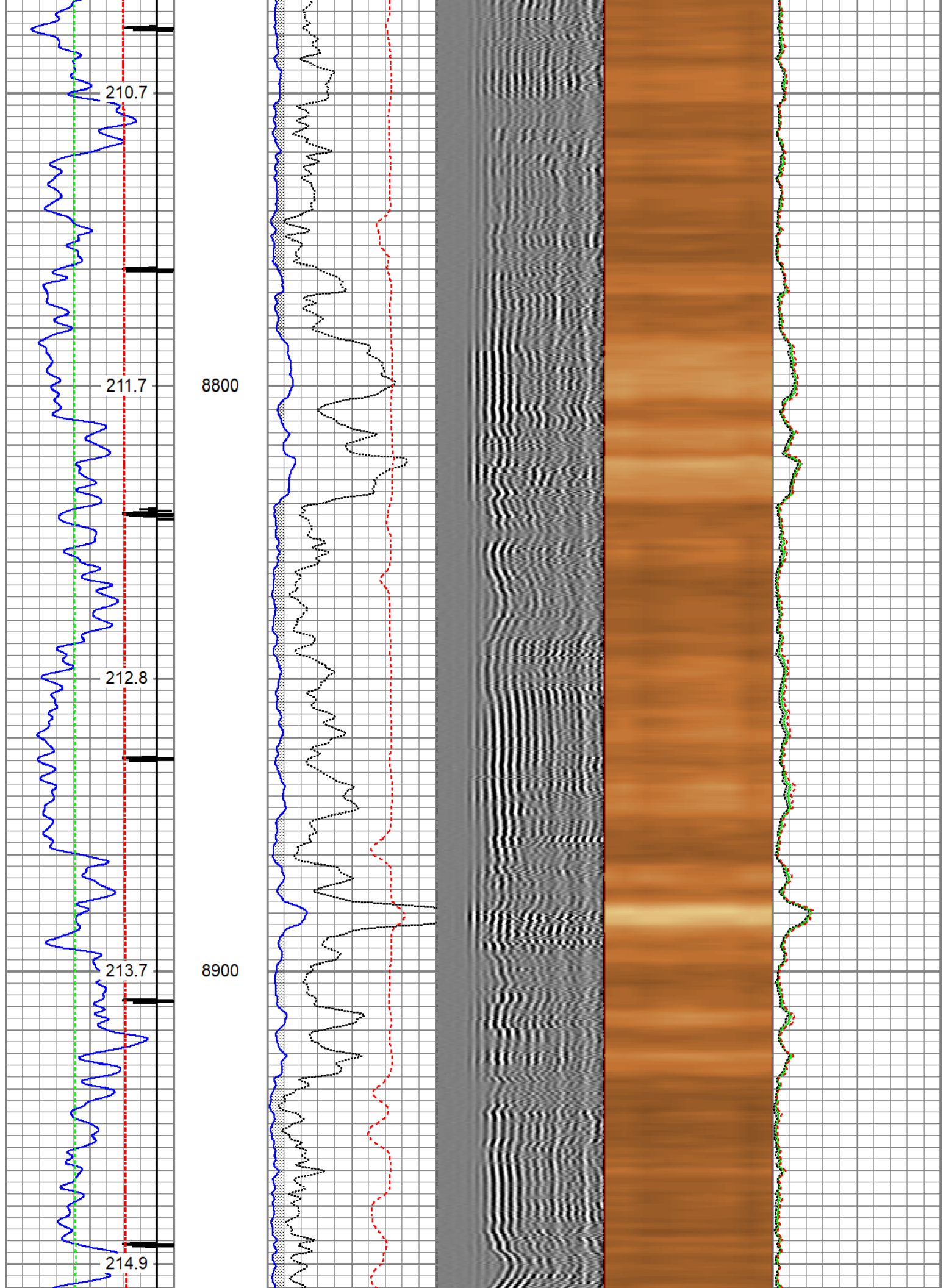


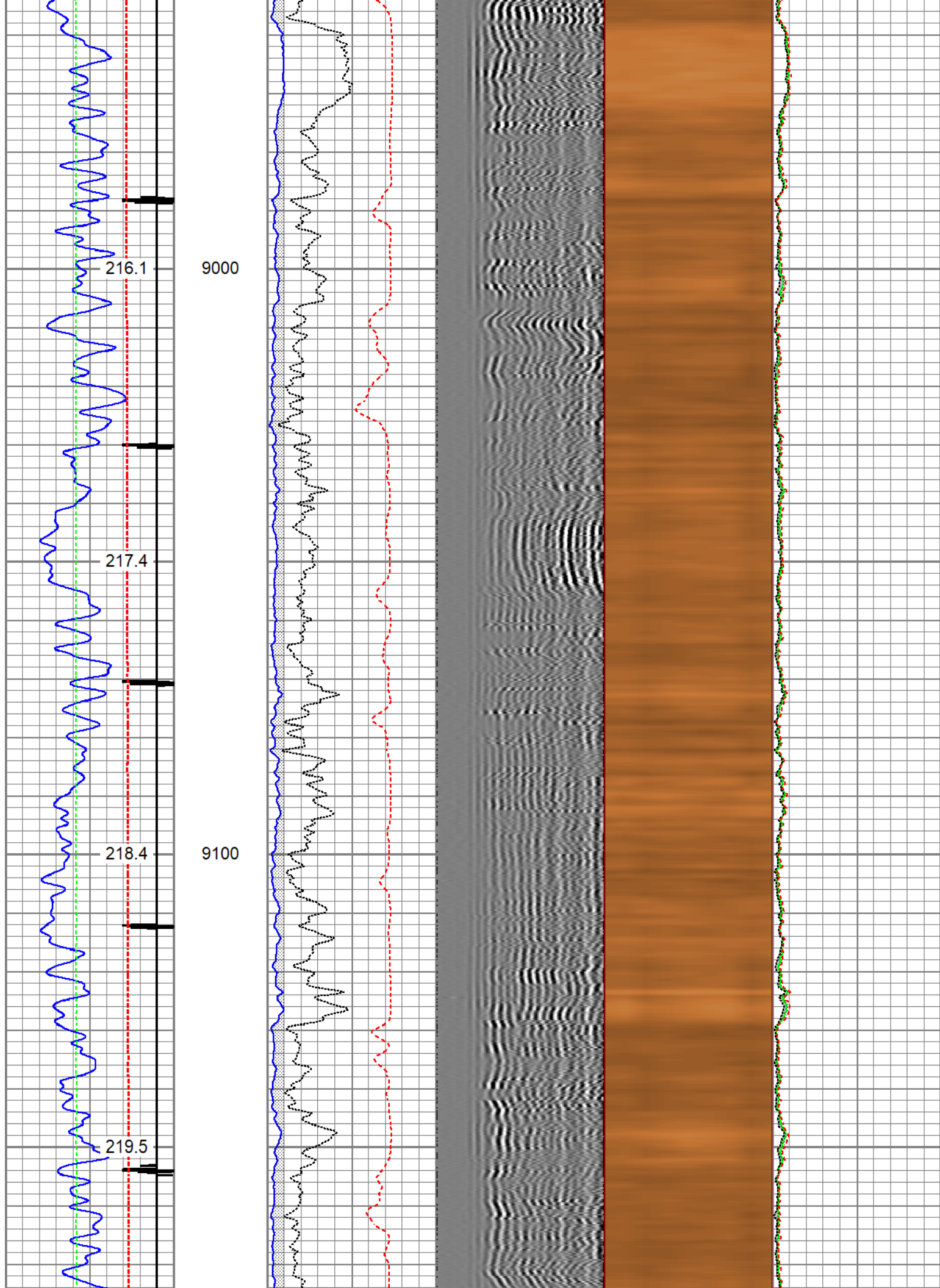


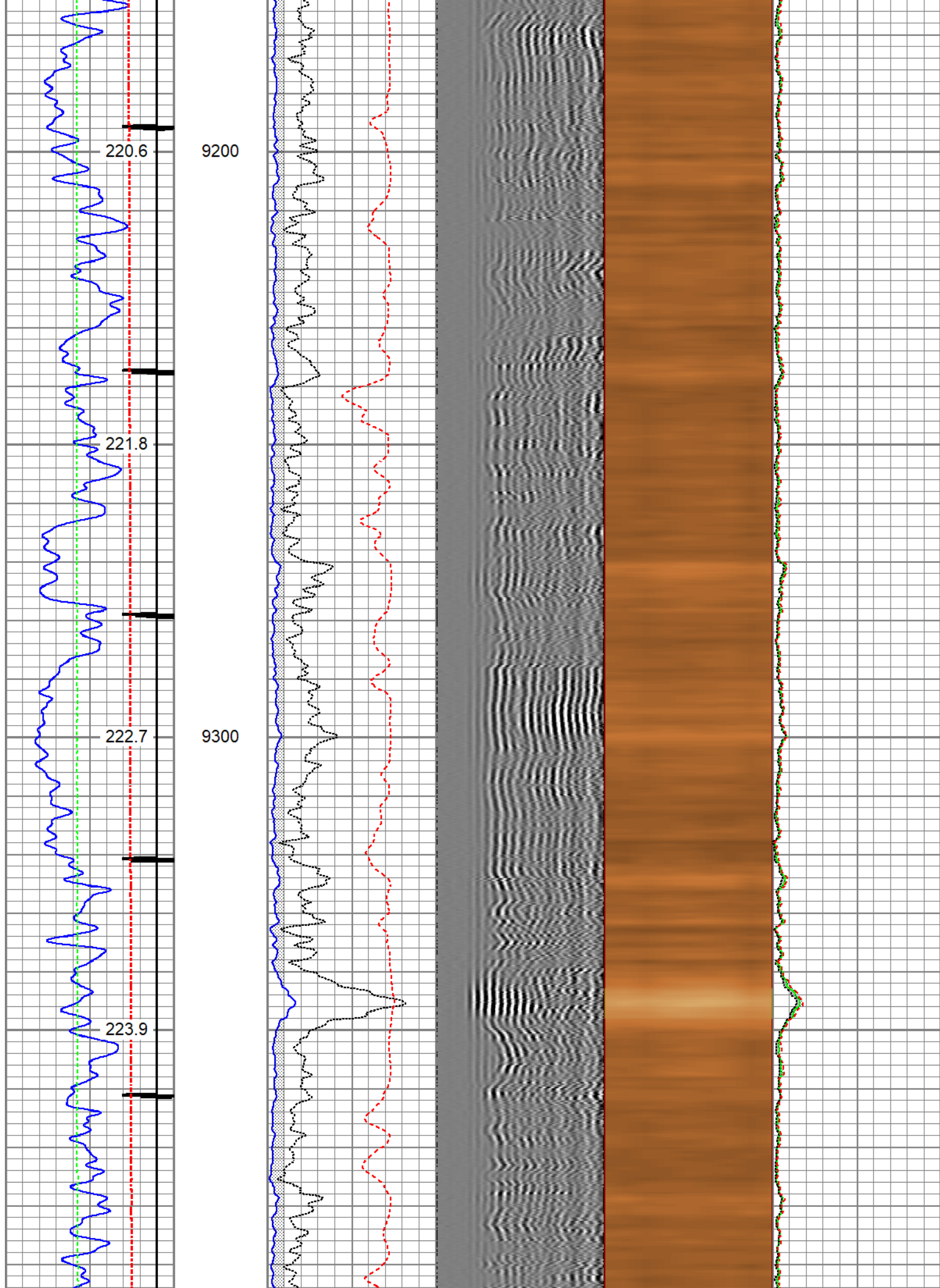


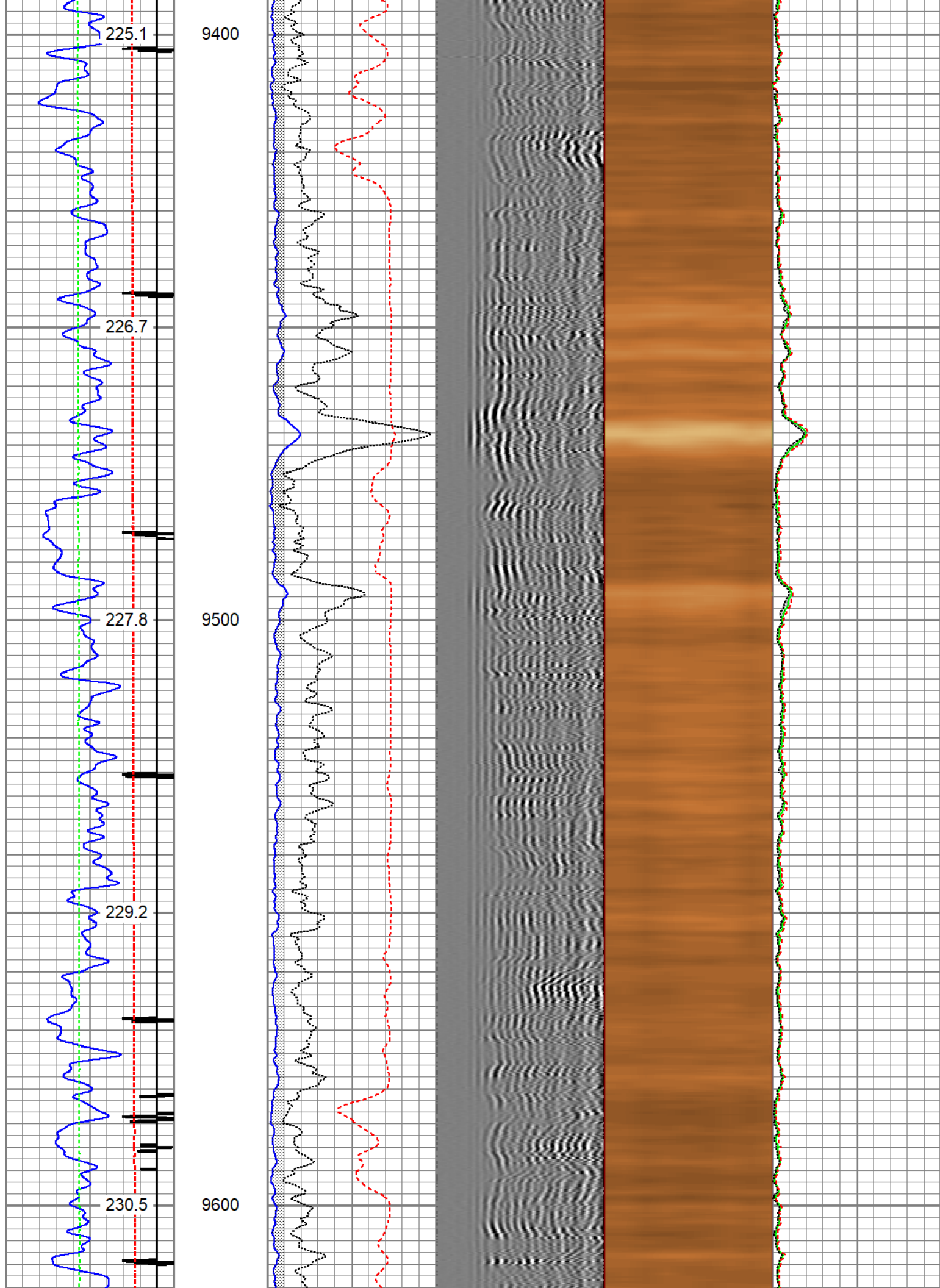


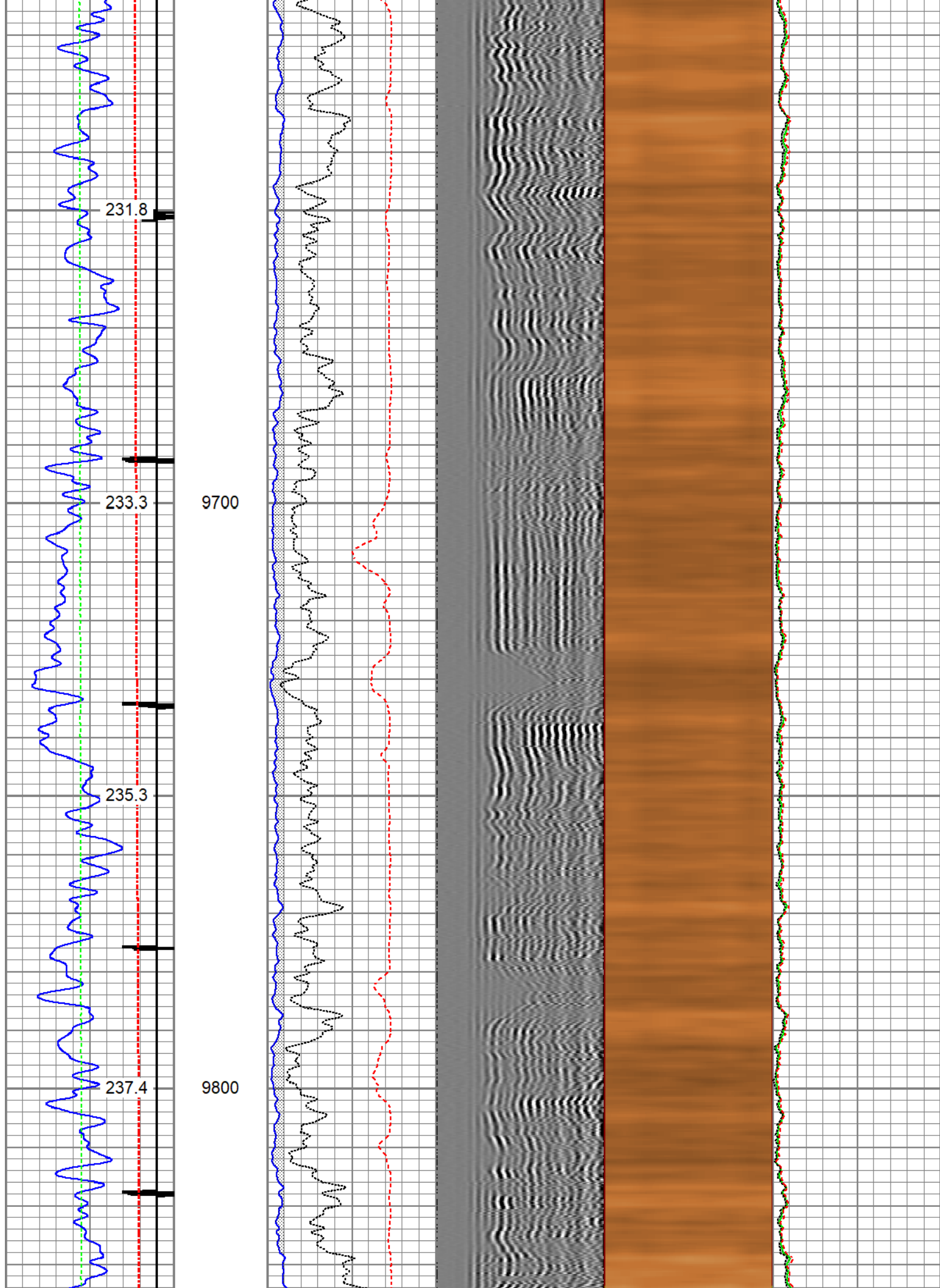


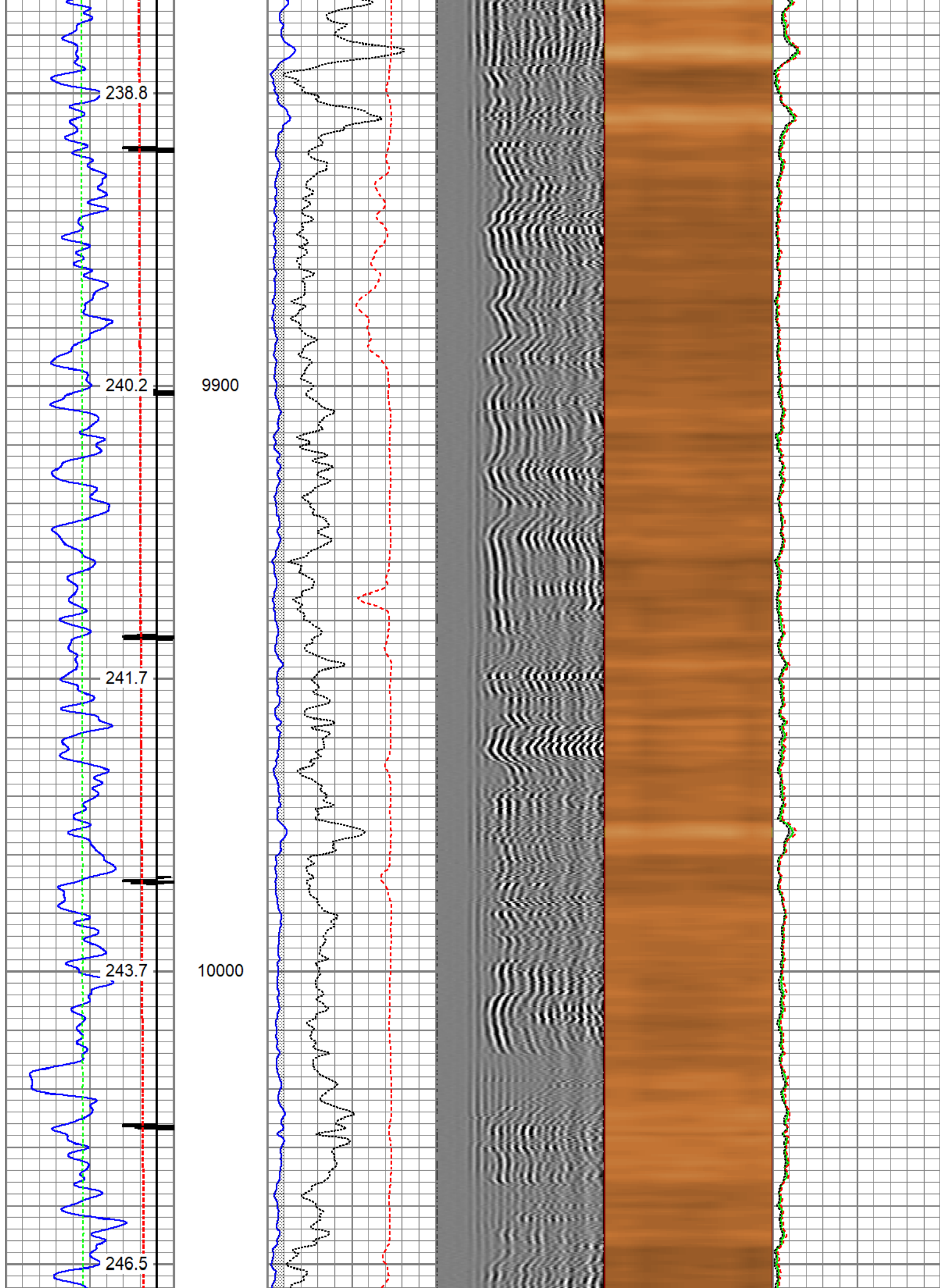


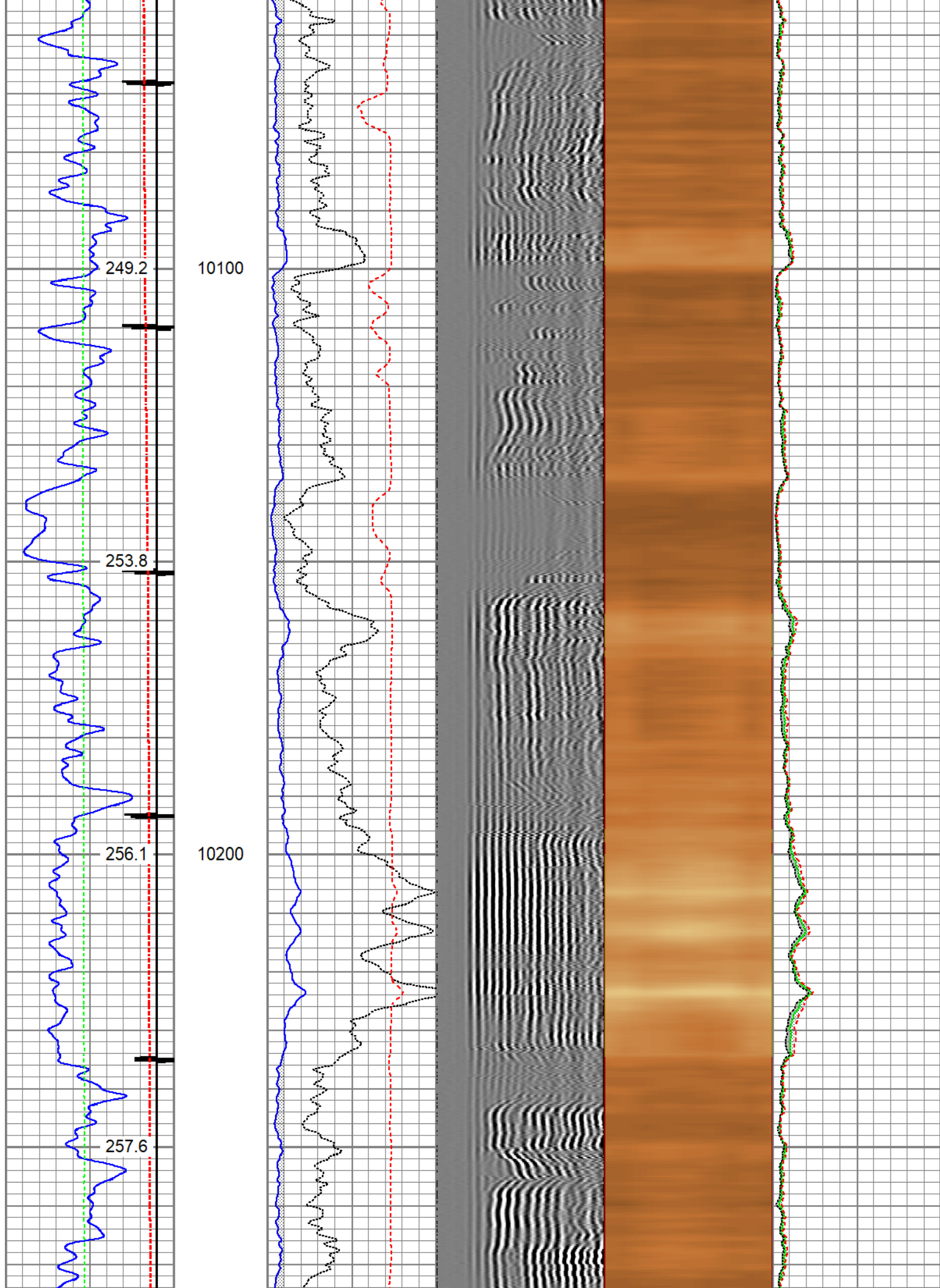


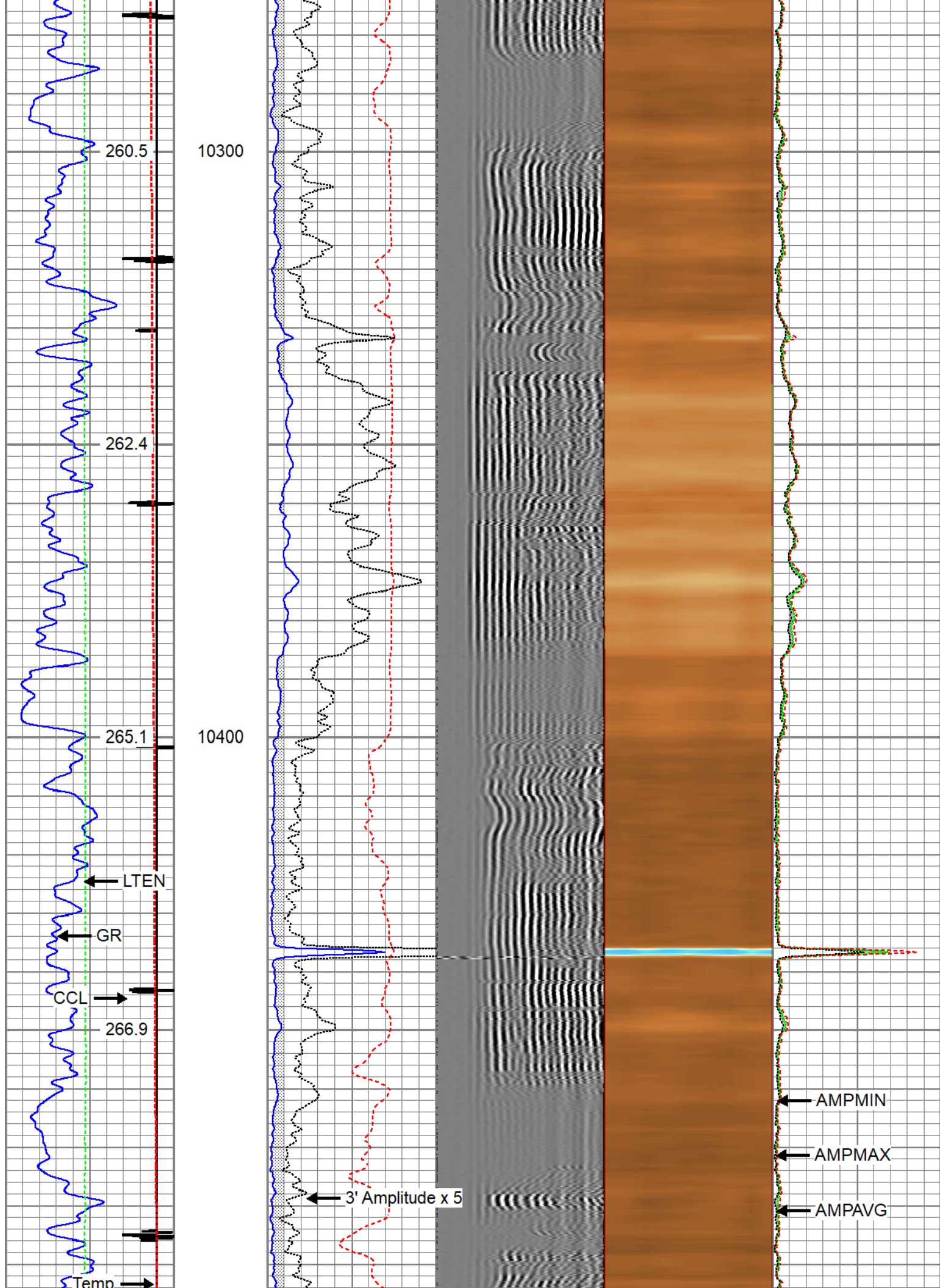


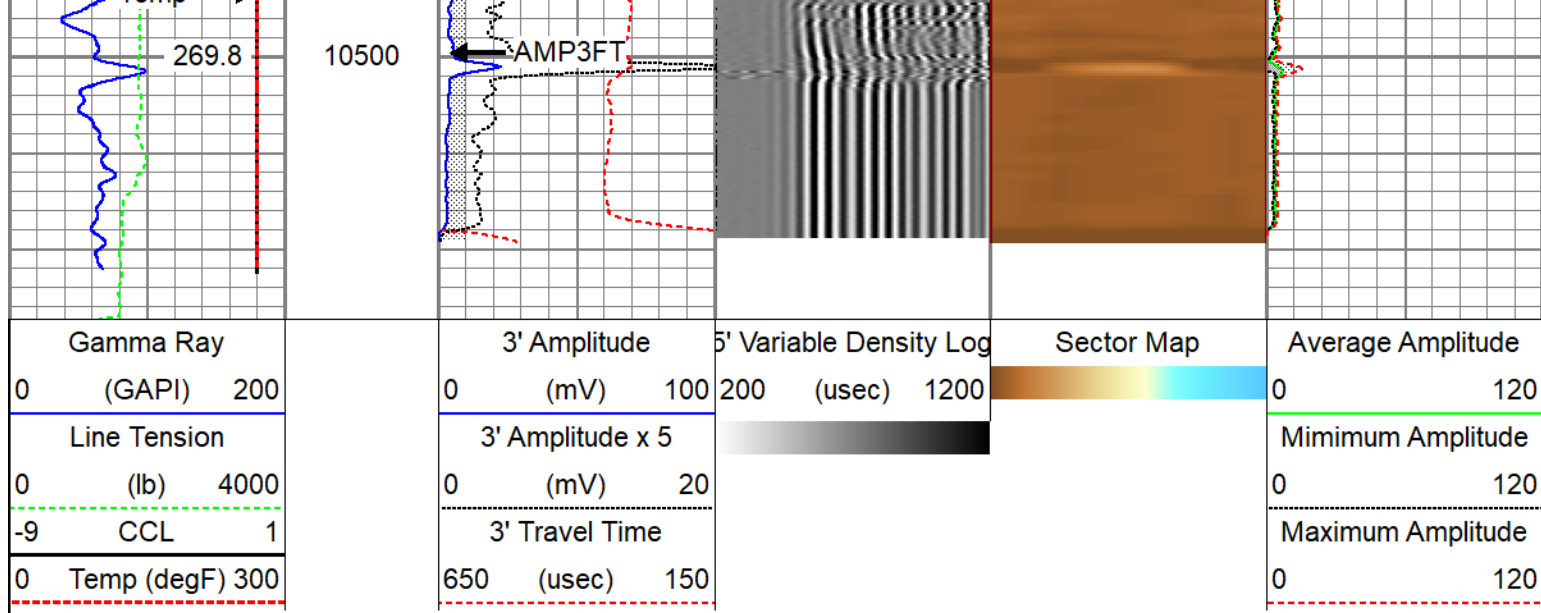






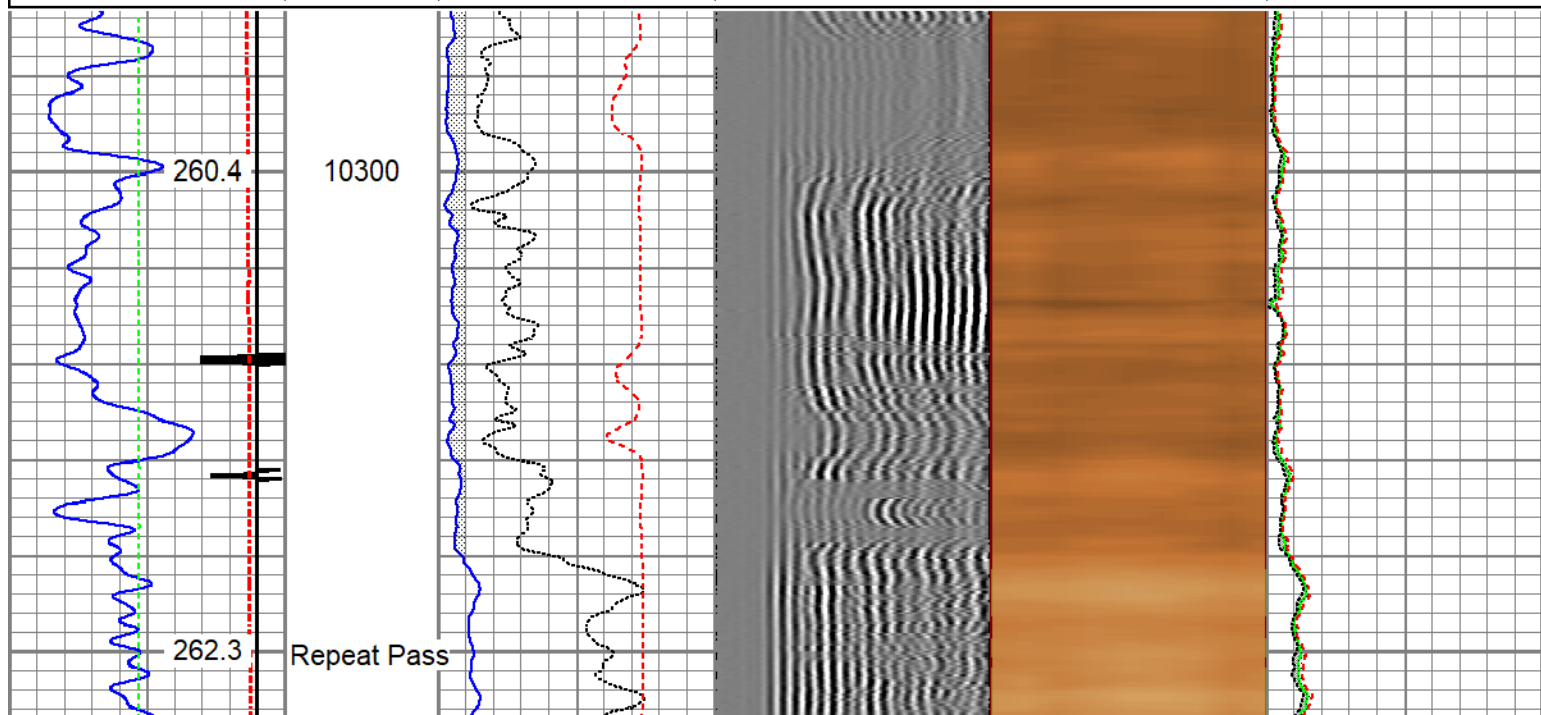
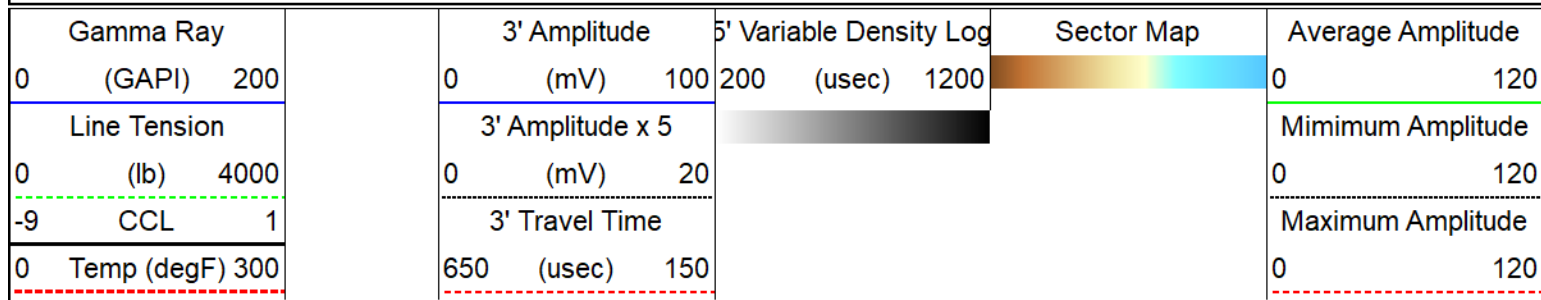


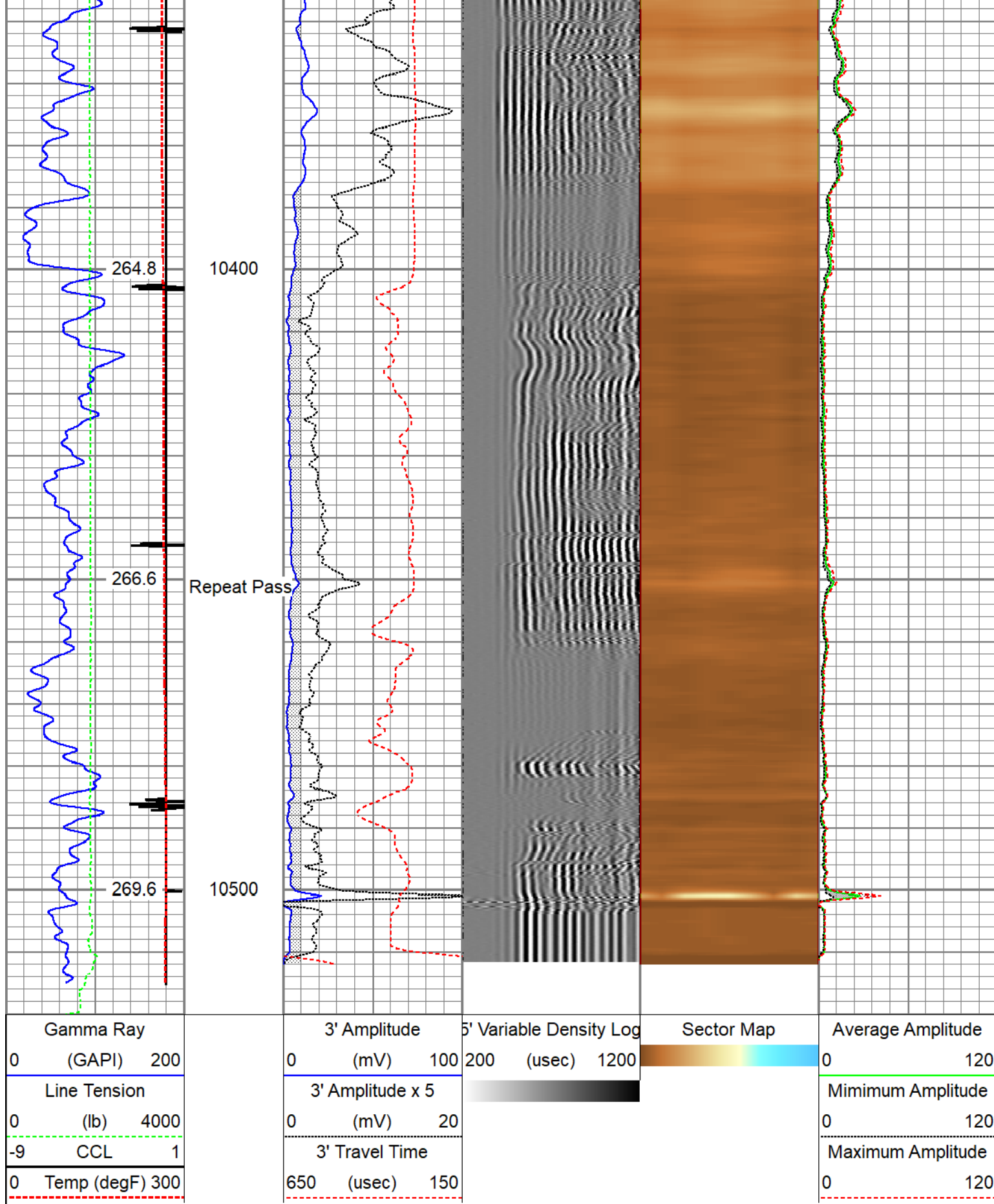




Repeat Pass 5" = 100'

Database File	tep_512-19-794_rcbl_23-2-2023\tep_wmc 512--19-793_rcbl_3-2-2023.db
Dataset Pathname	repeat
Presentation Format	twgrcbl
Dataset Creation	Thu Mar 02 07:59:10 2023
Charted by	Depth in Feet scaled 1:240





Calibration Report

Database File C:\ProgramData\Warrior\Data\tep_512-19-794_rcbl_23-2-2023\tep_wmc 512--19-793_rcbl_3-2-2023.d
 Dataset Pathname maint
 Dataset Creation Thu Mar 02 08:05:31 2023

Gamma Ray Calibration Report

Serial Number:	110254	
Tool Model:	GCTacc_6-Pin-Base	
Performed:	Tue Nov 22 15:18:05 2022	
Calibrator Value:	168.0	GAPI
Background Reading:	51.1	cps
Calibrator Reading:	276.7	cps
Sensitivity:	0.7447	GAPI/cps

Inclinometer Calibration Report

Performed:	(Not Performed)				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Segmented Cement Bond Log Calibration Report

Serial Number:	FW1311-19
Tool Model:	Probe275acc
Calibration Casing Diameter:	4.500 in
Calibration Depth:	1499.358 ft

Master Calibration, performed Wed Mar 1 07:28:03 2023:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.512	0.800	81.196	158.360	0.156
CAL	0.004	0.803				
5'	0.004	0.367	0.800	81.196	221.894	-0.181
SUM						
S1	0.004	0.522	0.000	100.000	192.930	-0.725
S2	0.004	0.513	0.000	100.000	196.277	-0.743
S3	0.004	0.547	0.000	100.000	184.367	-0.808
S4	0.004	0.539	0.000	100.000	187.036	-0.760
S5	0.004	0.521	0.000	100.000	193.596	-0.827
S6	0.004	0.500	0.000	100.000	201.377	-0.762
S7	0.003	0.498	0.000	100.000	202.417	-0.704
S8	0.005	0.537	0.000	100.000	187.907	-0.924

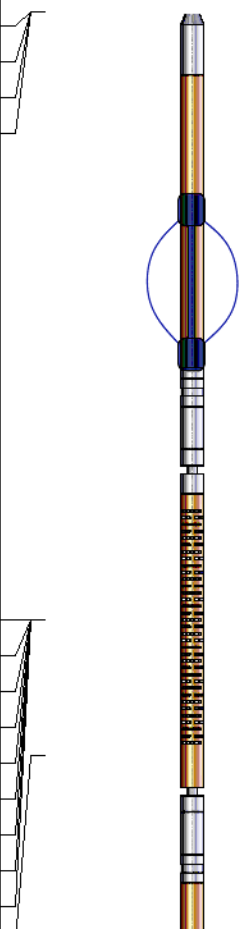
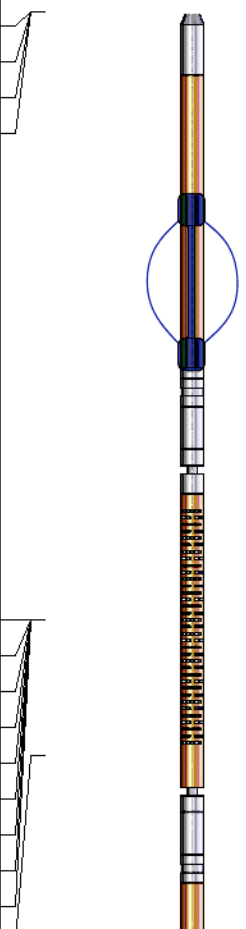
Internal Reference Calibration, performed (Not Performed):


	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.803	1.000	0.000

	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

Inclinometer Calibration Report

Performed:	Thu Jul 28 15:55:38 2022				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-914.00	901.00	-1.00	1.00	gee
Y Accelerometer	-903.00	898.00	-1.00	1.00	gee
Z Accelerometer	3.47	893.02	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	14.00					
mSec_Count	14.00					
RBT_Status	14.00					
Error_Ct	14.00					
			SO BS CENT-2750-4500 Slip Over 2-3/4" I.D. for 4-1/2" O.D. Casing Bow Spring Centralizer	1.33	3.25	10.00
			RBT8acc-Probe275acc (FW1311-19) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS8	9.50					
WVFS7	9.50					
WVFS6	9.50					
WVFS5	9.50					
WVFS4	9.50					
WVFS3	9.50					
WVFS2	9.50					
WVFS1	9.50					
WVF3FT	9.50					

Company	TEP Rocky Mountain LLC		
Well	Fee WMC 512-19-793		
Field	Rulison		
County	Garfield	State	Colorado
	Radial Cement Bond		
	Gamma Ray		
	Casing Collar Log		