



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company	Caerus Piceance LLC.	Country	USA
Well	BJU B26 Fed 23D-26-496		
Field	Grand Valley		
County	Garfield		
State	Colorado		
Company	Caerus Piceance LLC.		
Well	BJU B26 Fed 23D-26-496		
Field	Grand Valley		
County	Garfield		
State	Colorado		
Country	USA		
Location:	API # : 05-045-24453	Other Services	CNL
SEC 26	TWP 4S	RGE 96W	
Permanent Datum	Ground Level	Elevation	8211'
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Elevation			K.B. 8241' D.F. 8240' G.L. 8211'
Date	23-DEC-2022		
Run Number	One		
Depth Driller	12348 FT		
Depth Logger	12200 FT		
Bottom Logged Interval	12185 FT		
Top Log Interval	Surface		
Open Hole Size	8.750"		
Type Fluid	Fresh Water		
Density / Viscosity	8.34 lb/gal		
Max. Recorded Temp.	294° F		
Estimated Cement Top	See Log		
Time Well Ready	ROA		
Time Logger on Bottom	14.15		
Equipment Number	8045		
Location	Grand Junction Colo		
Recorded By	P. Edwards		
Witnessed By	Z. Fisher		
Borehole Record			
Run Number	Bit	From	To
	8.75"	Surface	12348 FT
Tubing Record			
	Size	Wgt/Ft	Top
Casing Record	9.625"	36	Surface
Surface String	4.5"	11.6	Surface
Prot. String			3020.3 FT
Production String			12320.7 FT
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 Kelly Bushing @ 30FT  
Marker Joint from 7966 FT - 7976 FT  
Log ran from 12200 FT to Surface  
Log ran with 0 PSI surface induced pressure.

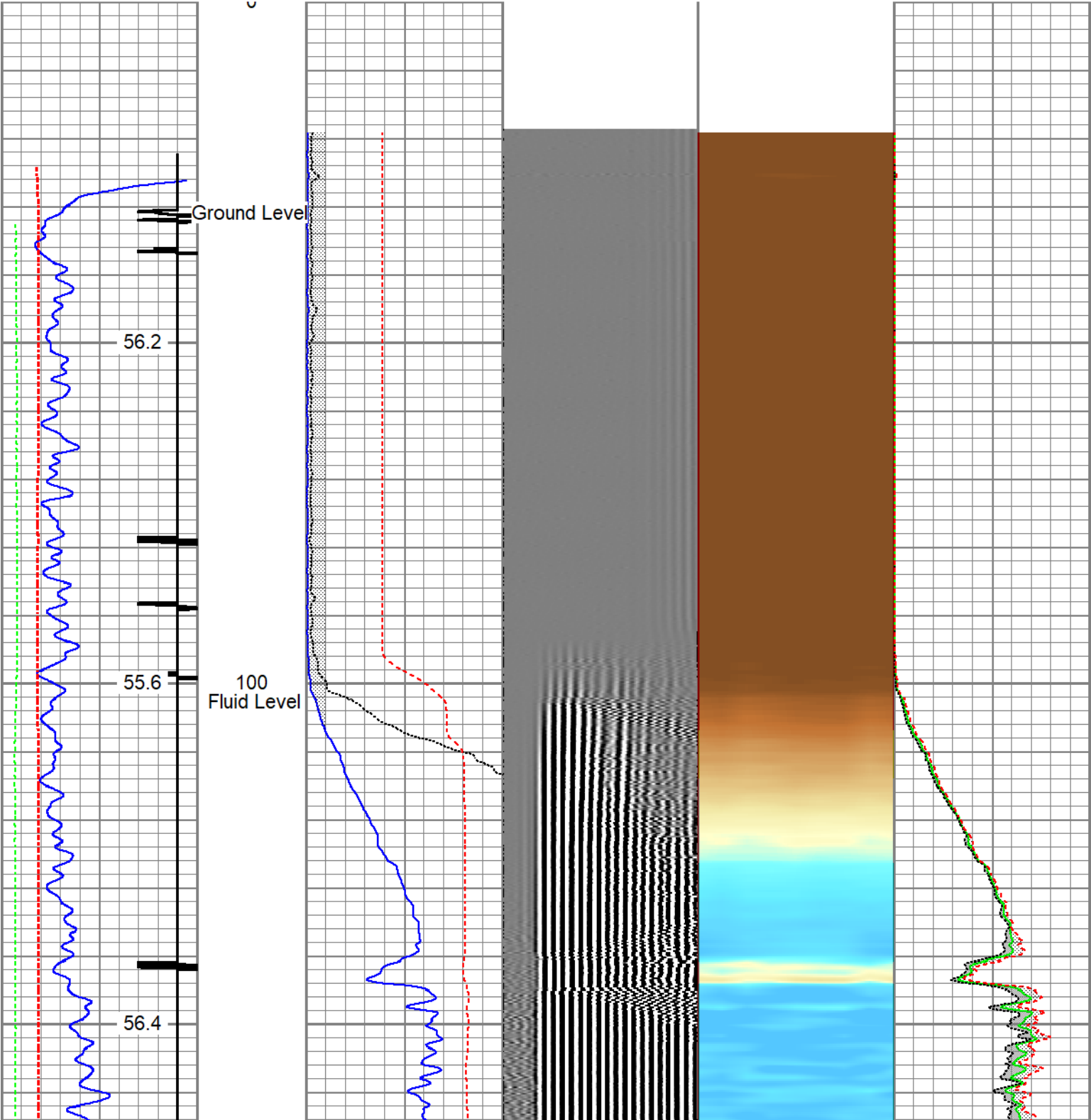
Thank you for choosing The Wireline Group!!!

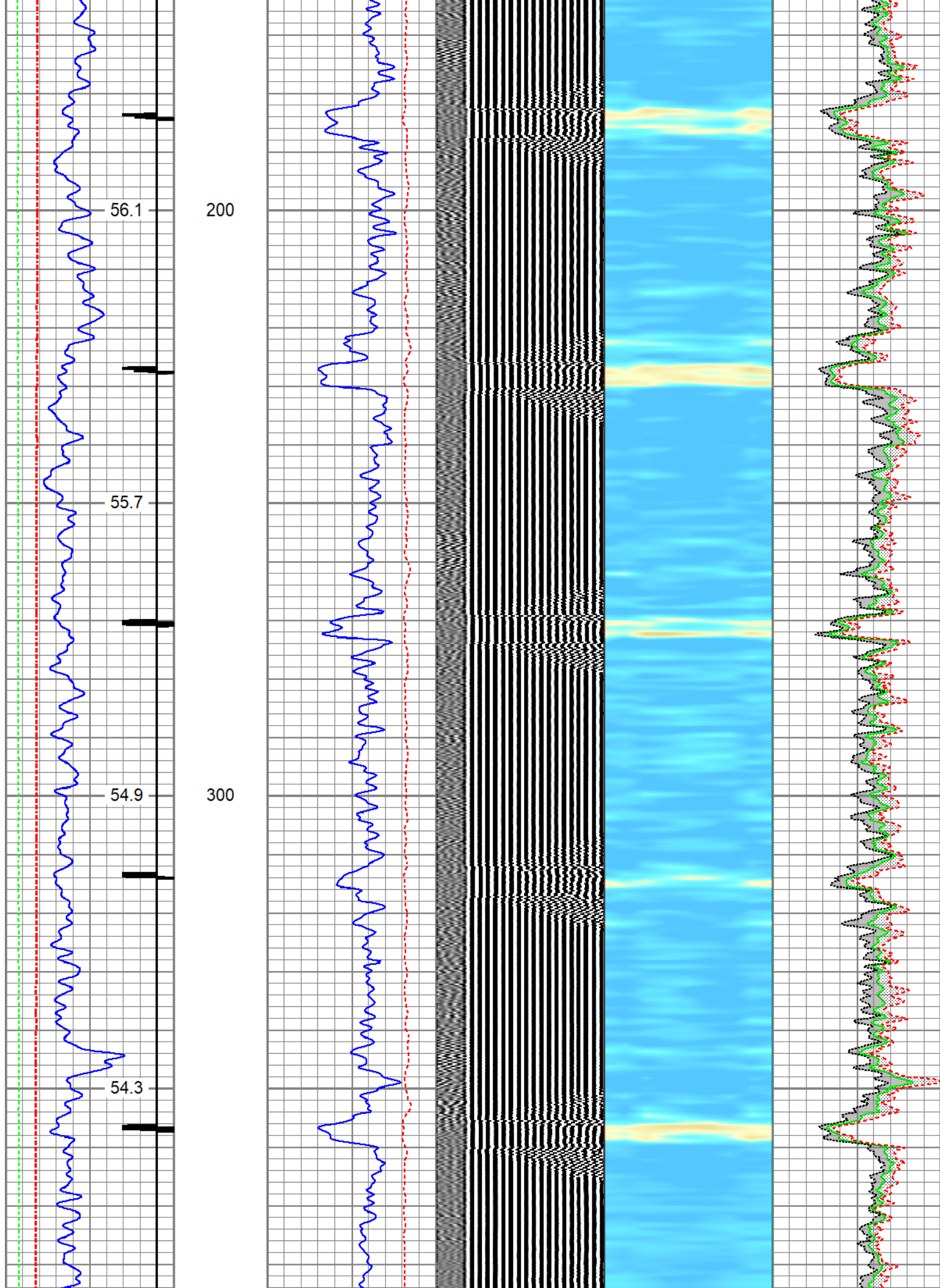


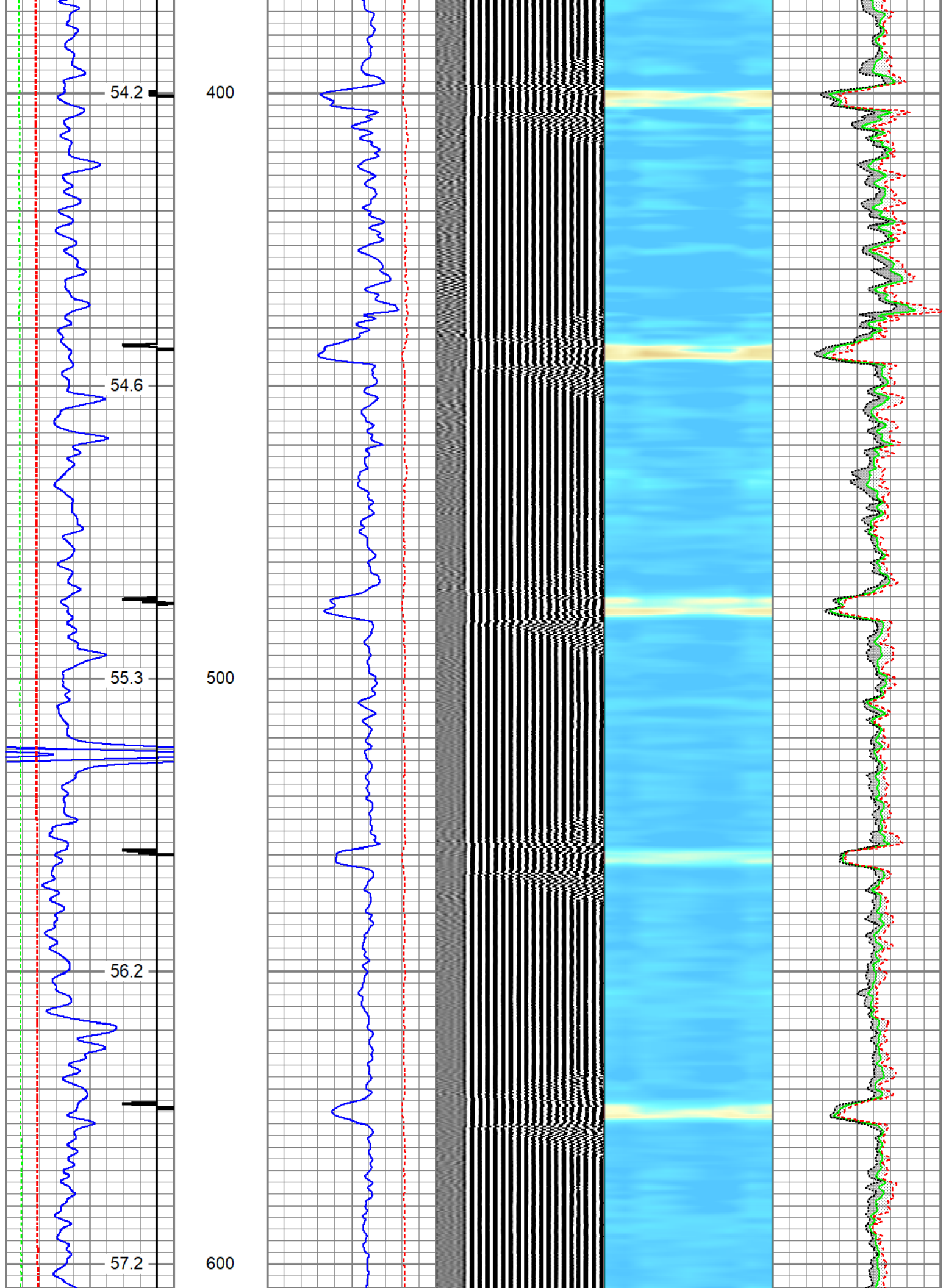
Main Pass 5" = 100'

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Dataset Pathname main  
Presentation Format twgrcbl  
Dataset Creation Fri Dec 23 14:11:40 2022  
Charted by Depth in Feet scaled 1:240

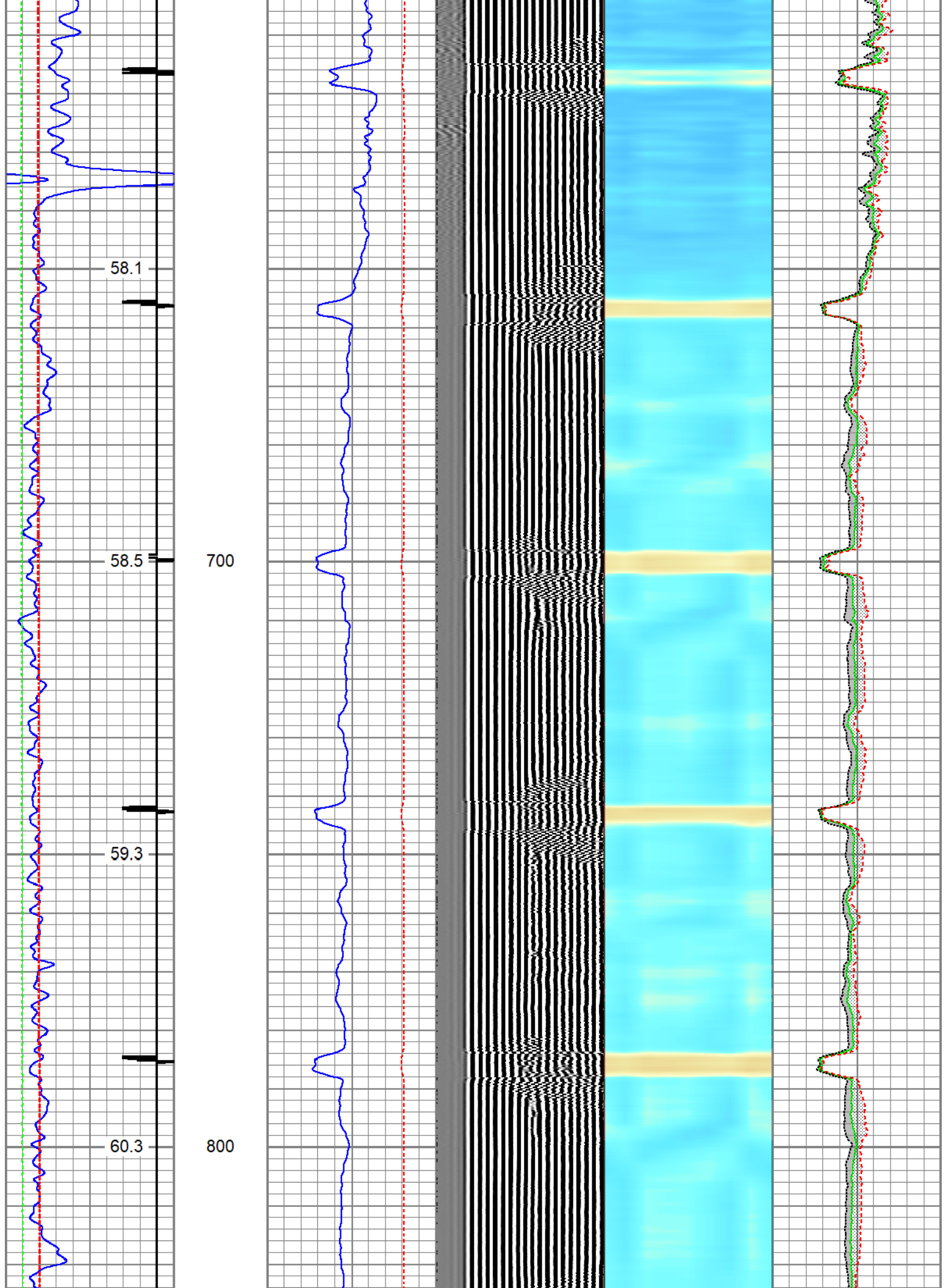
Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 200		0 (mV) 100	200 (usec) 1200		0 120
Line Tension		3' Amplitude x 5			Minimum Amplitude
0 (lb) 4000		0 (mV) 20			0 120
-9 CCL 1		3' Travel Time			Maximum Amplitude
0 Temp (degF) 300		650 (usec) 150			0 120

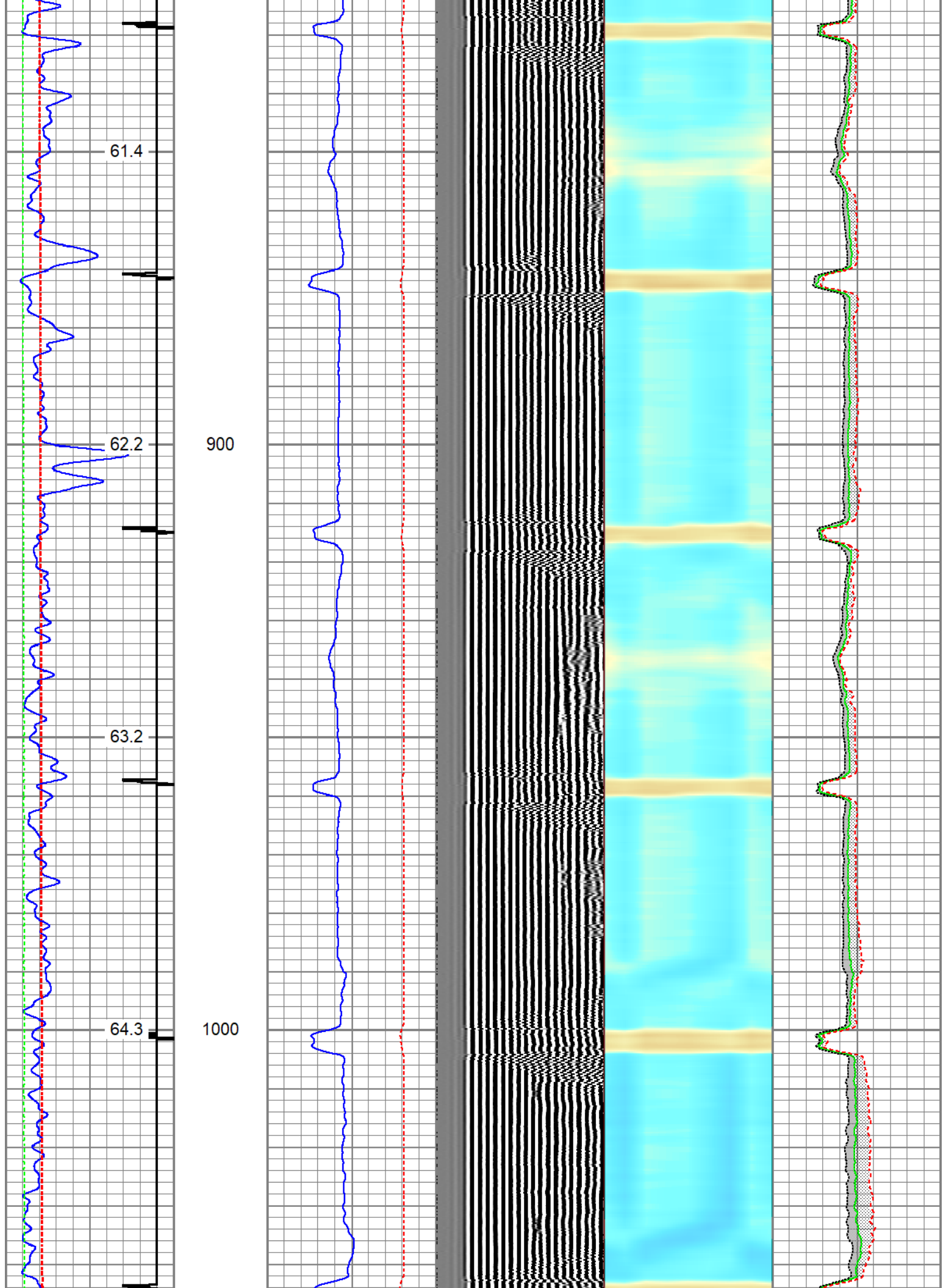


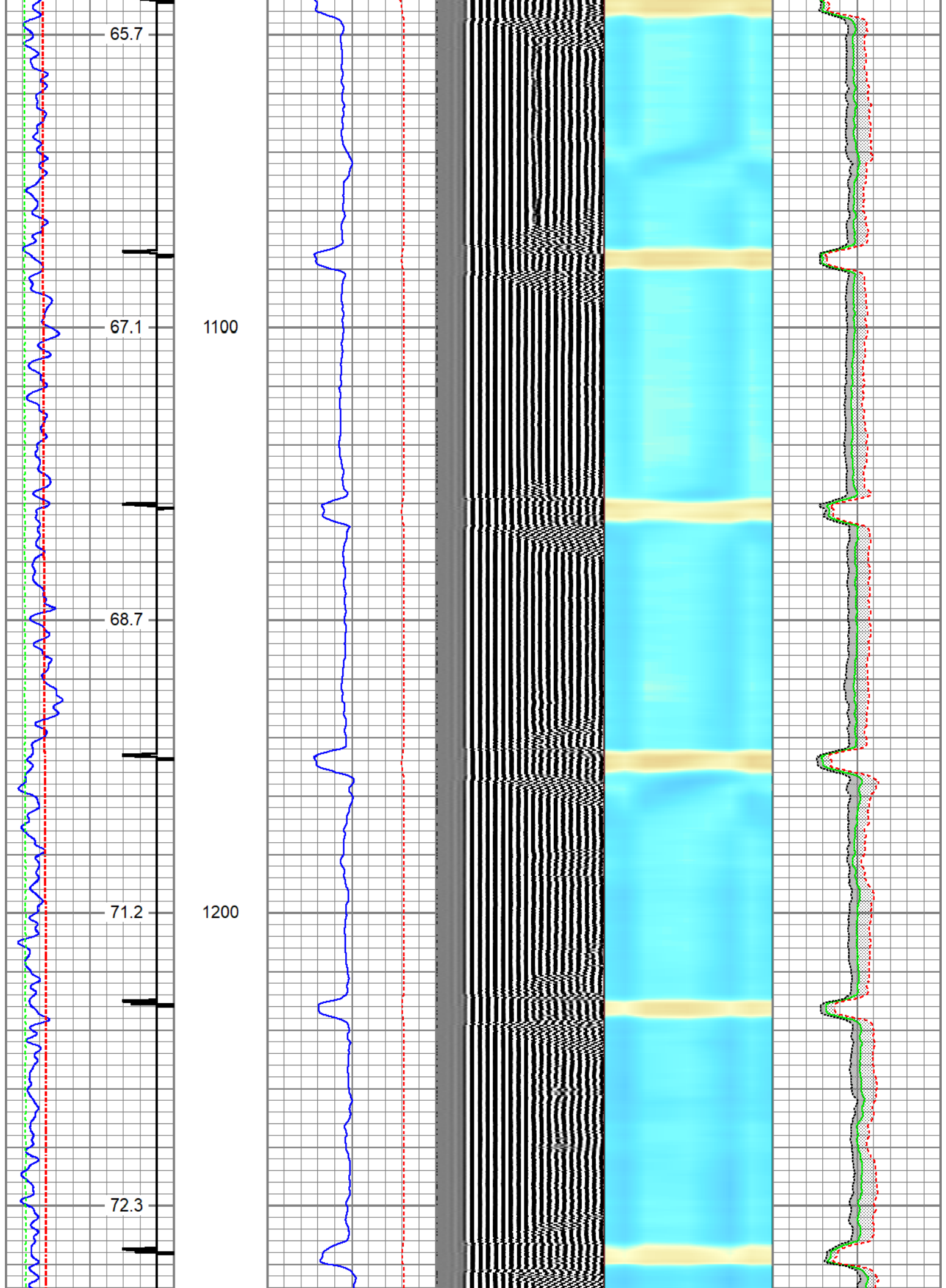


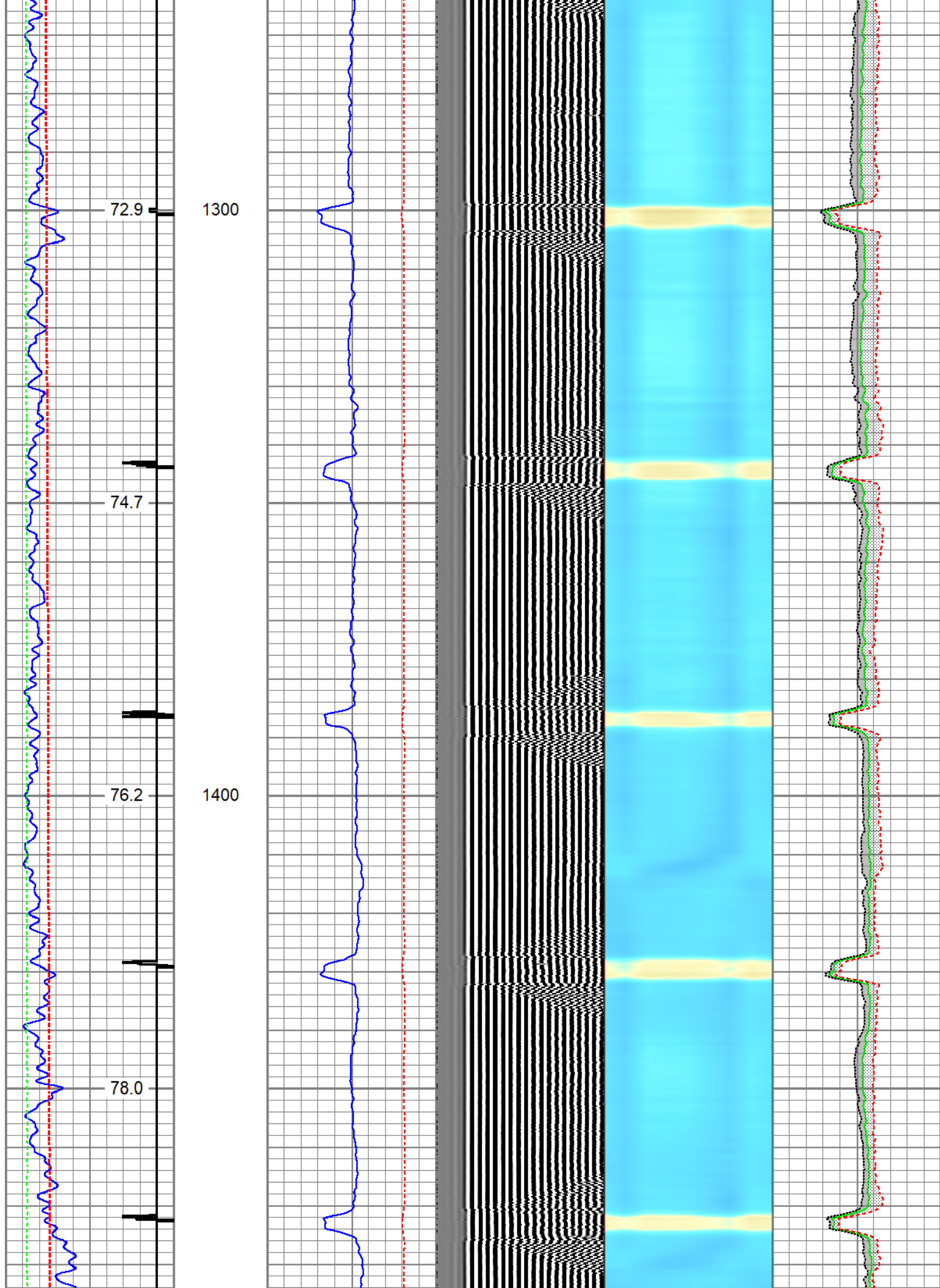




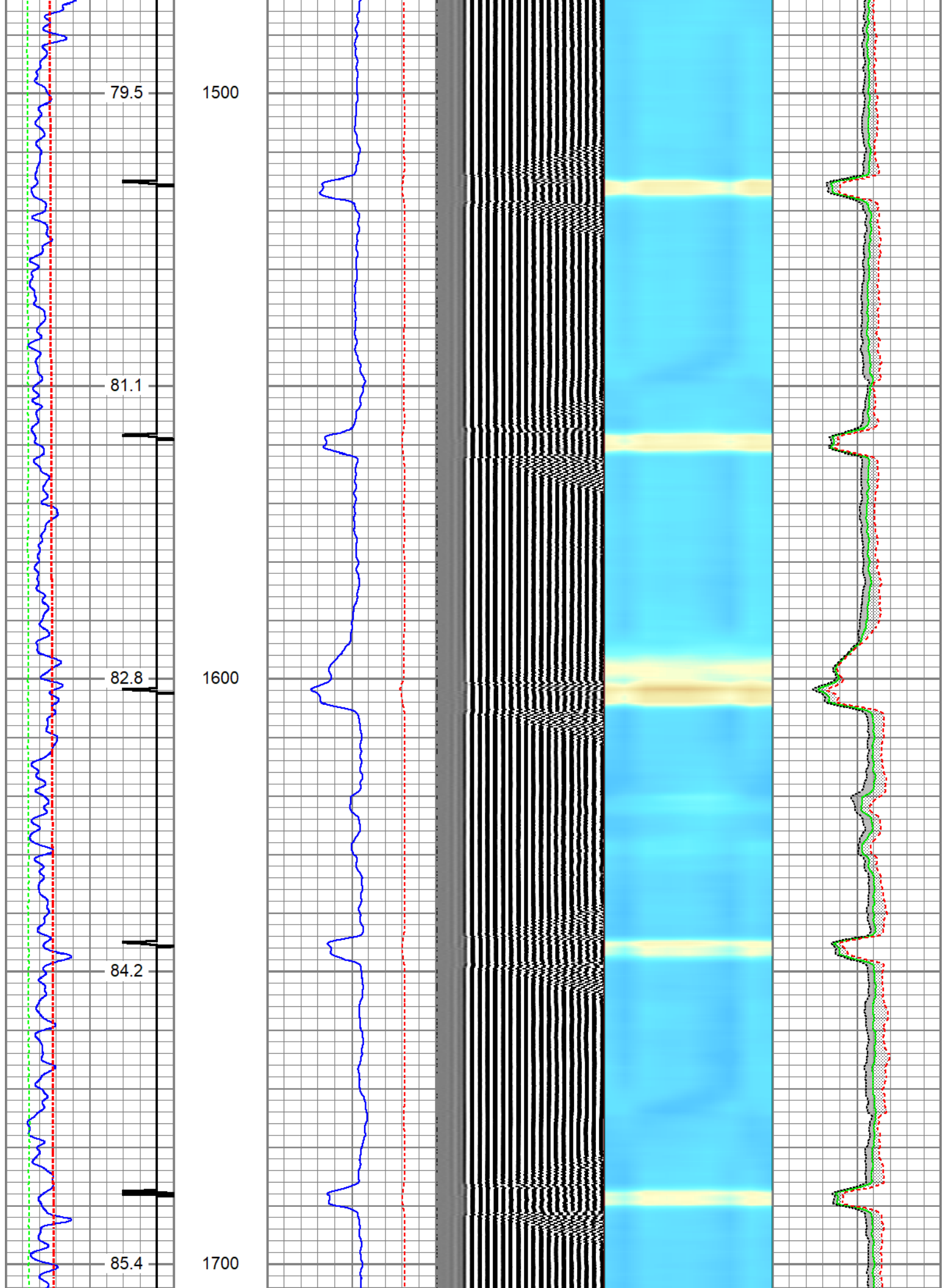


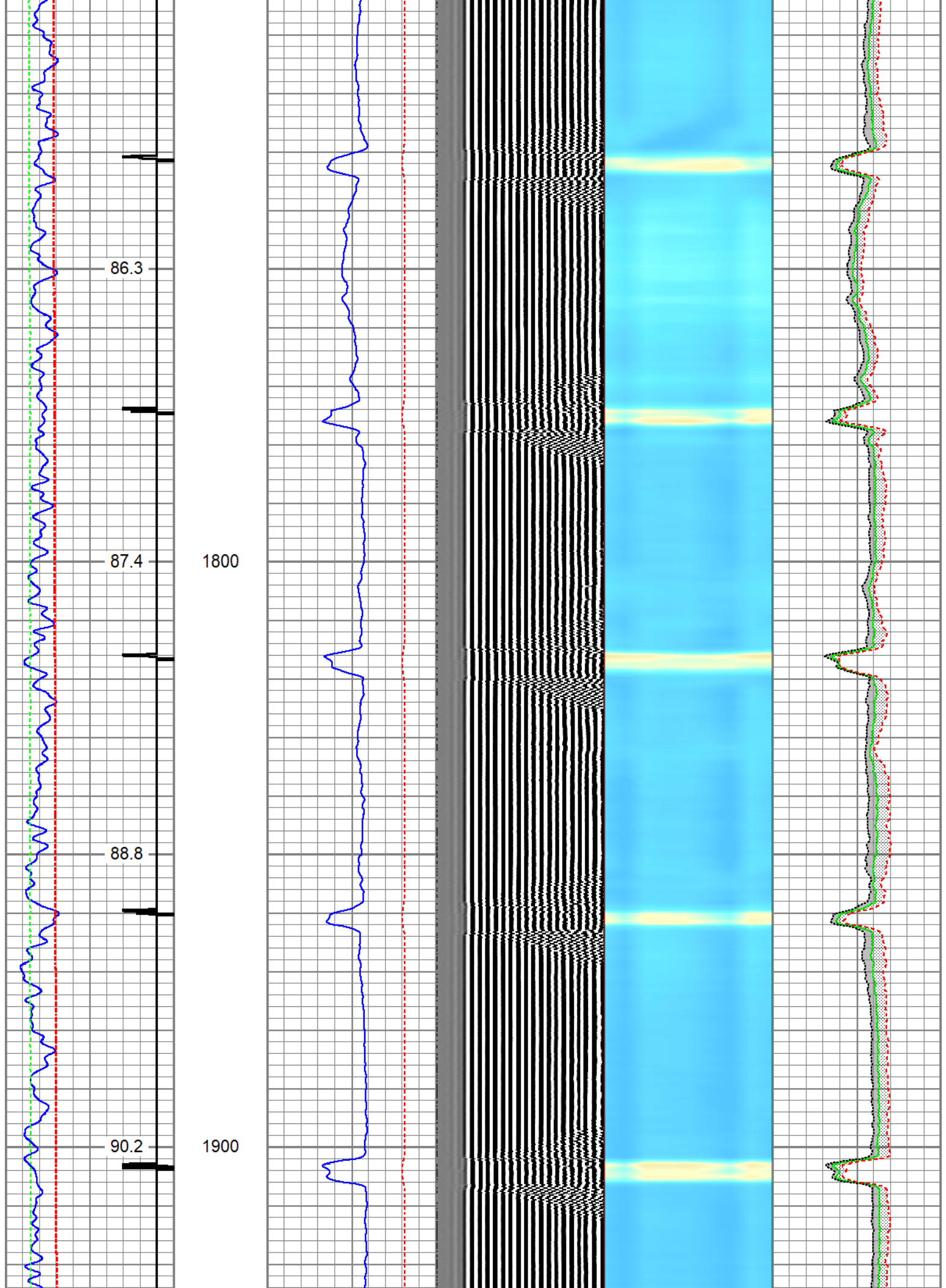


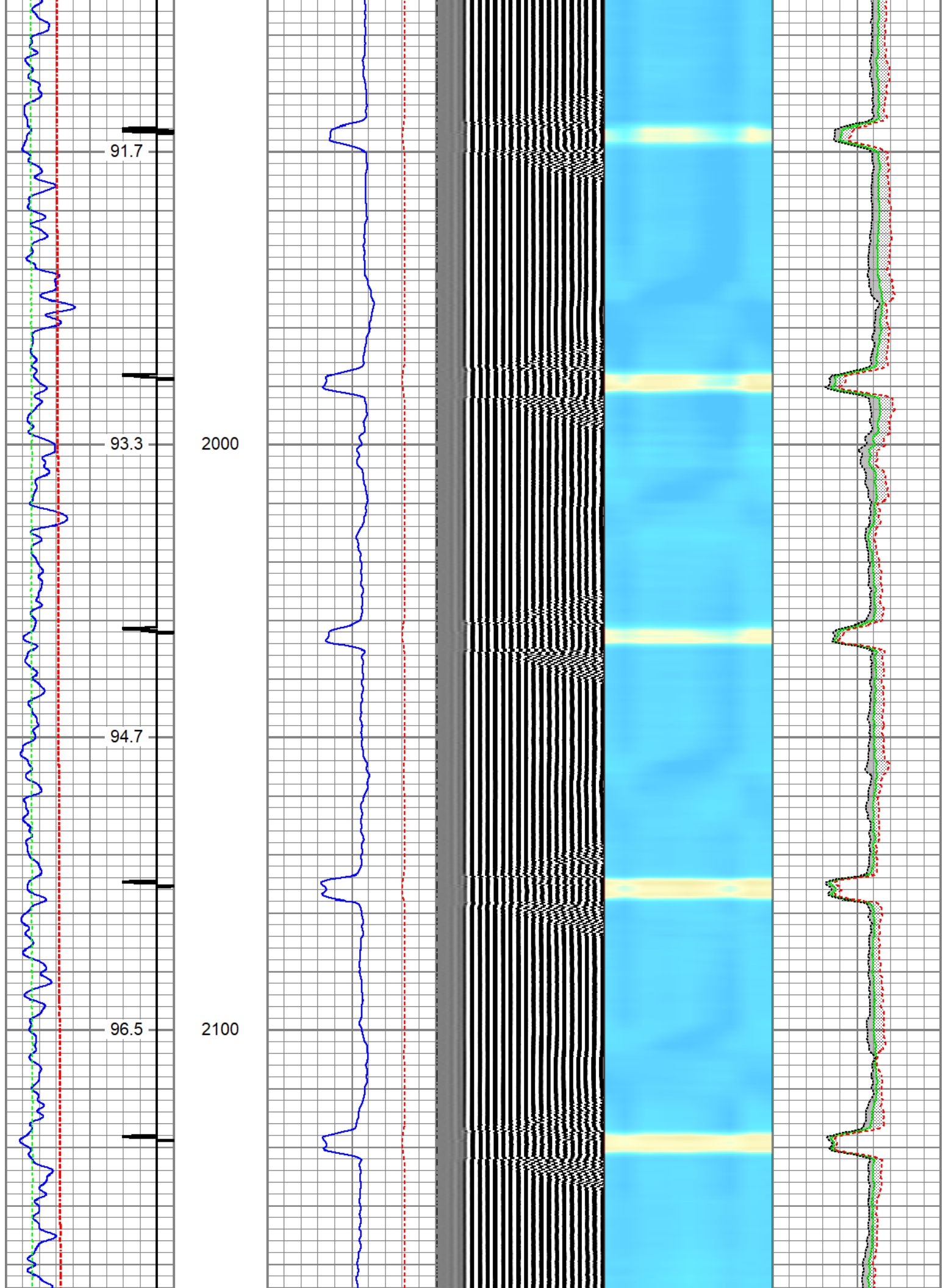


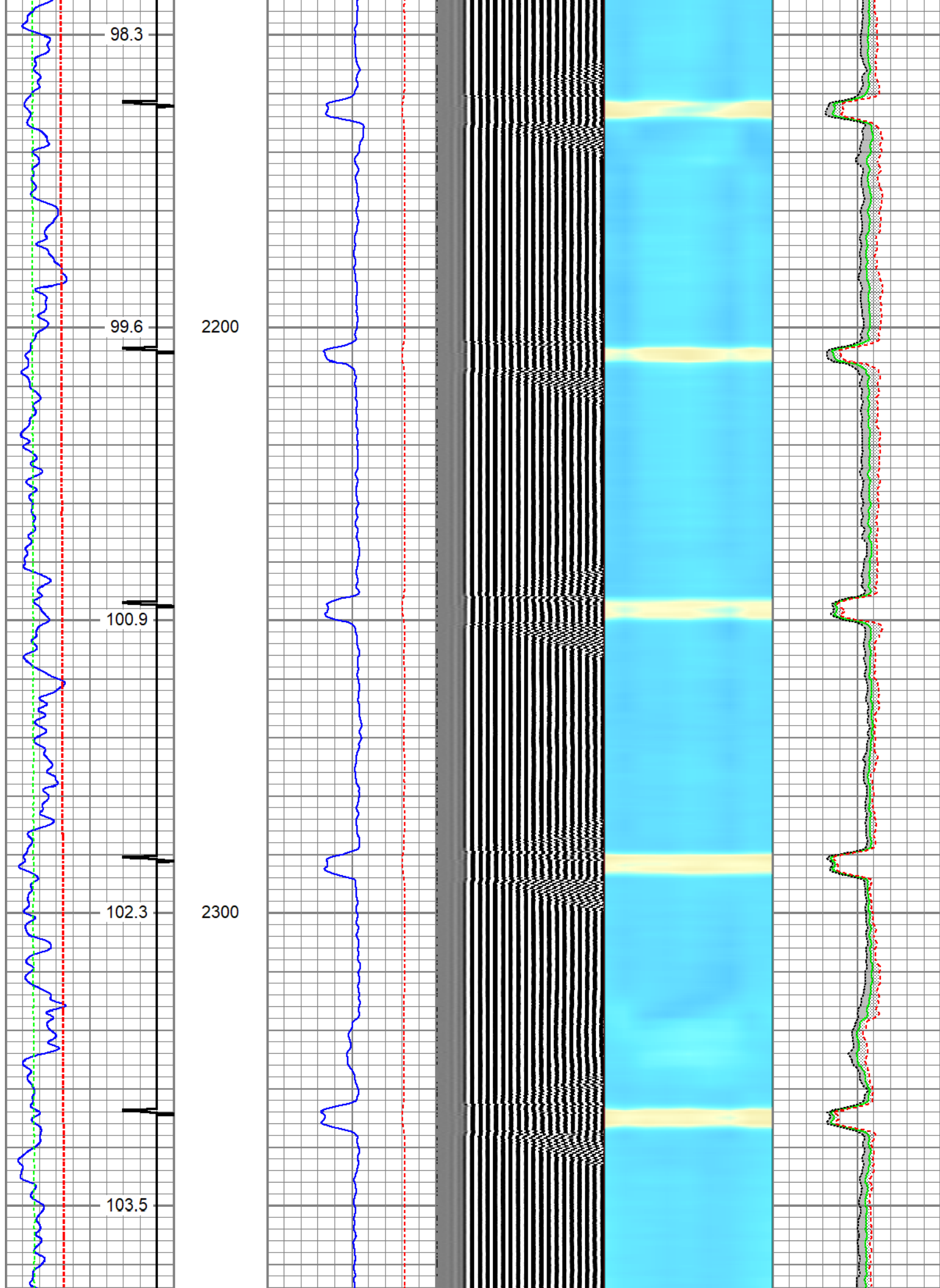




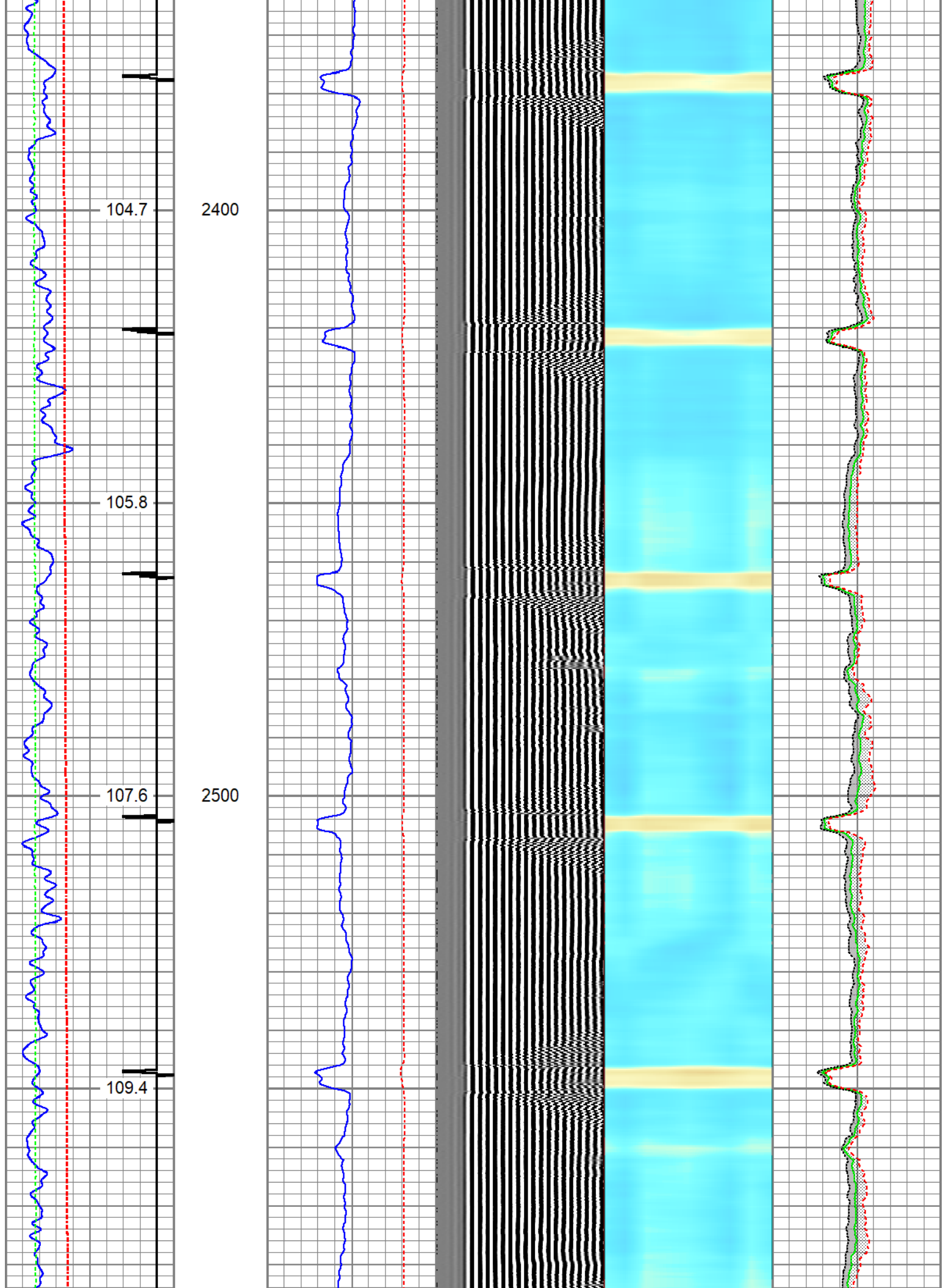


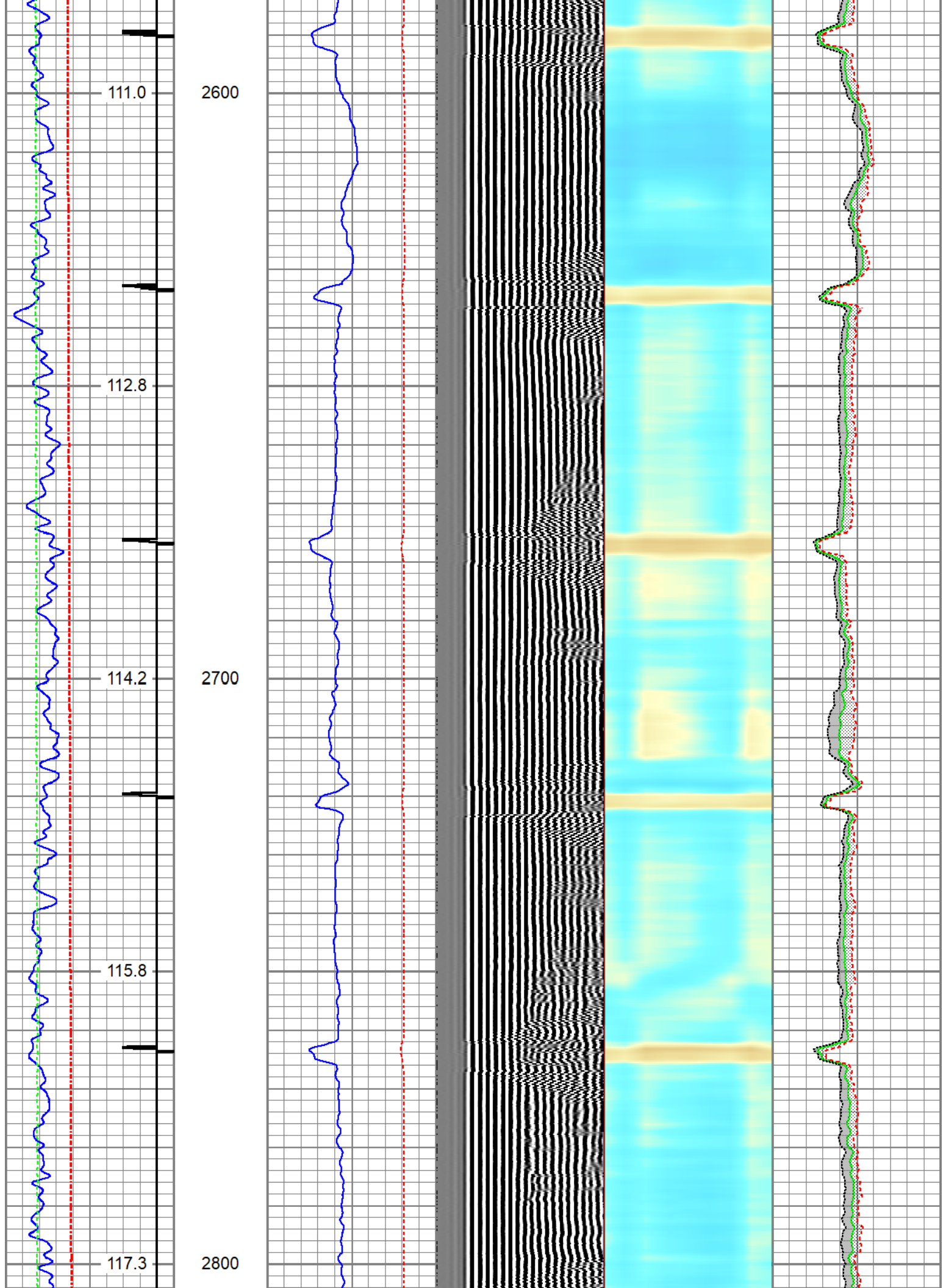


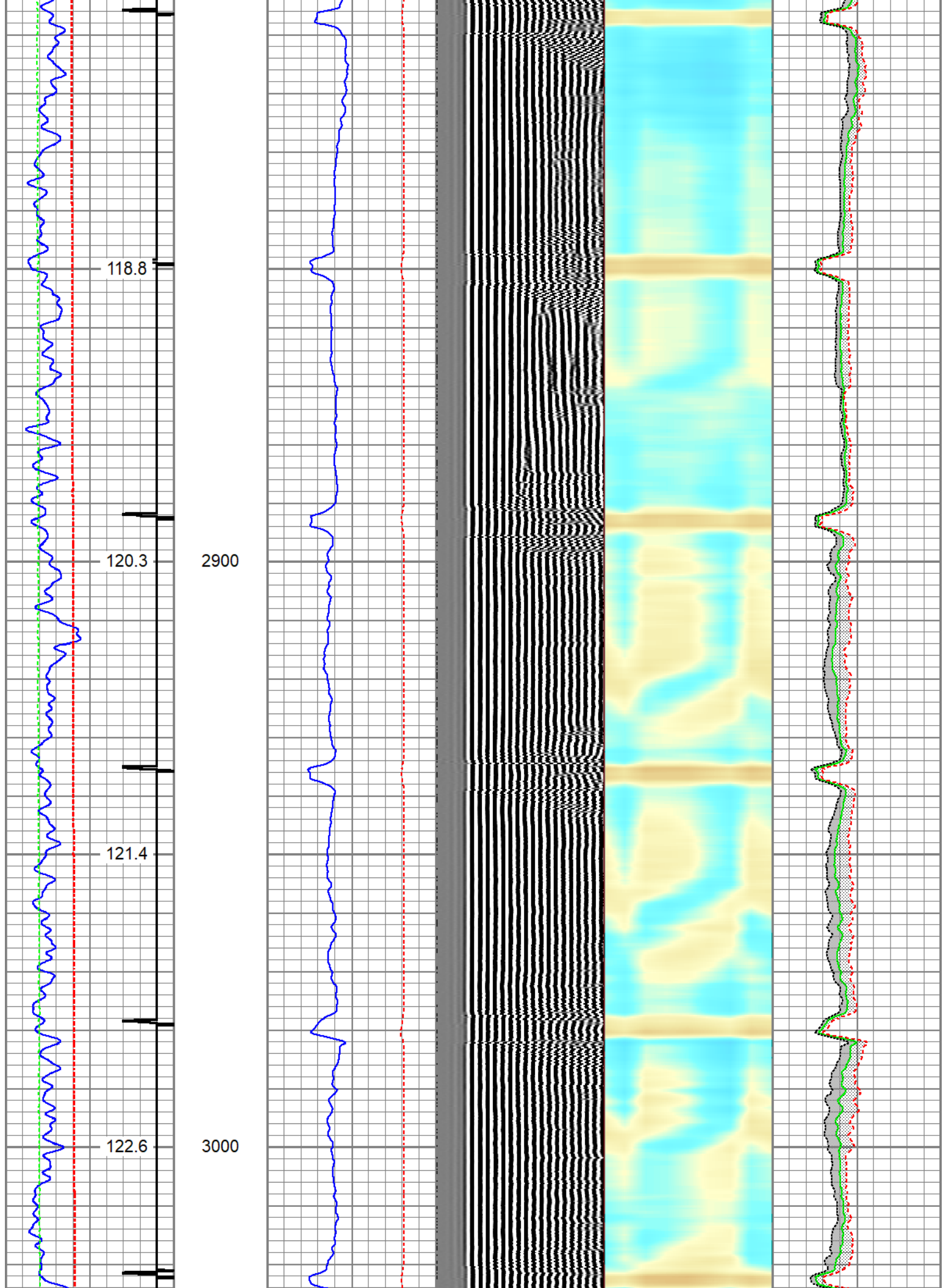




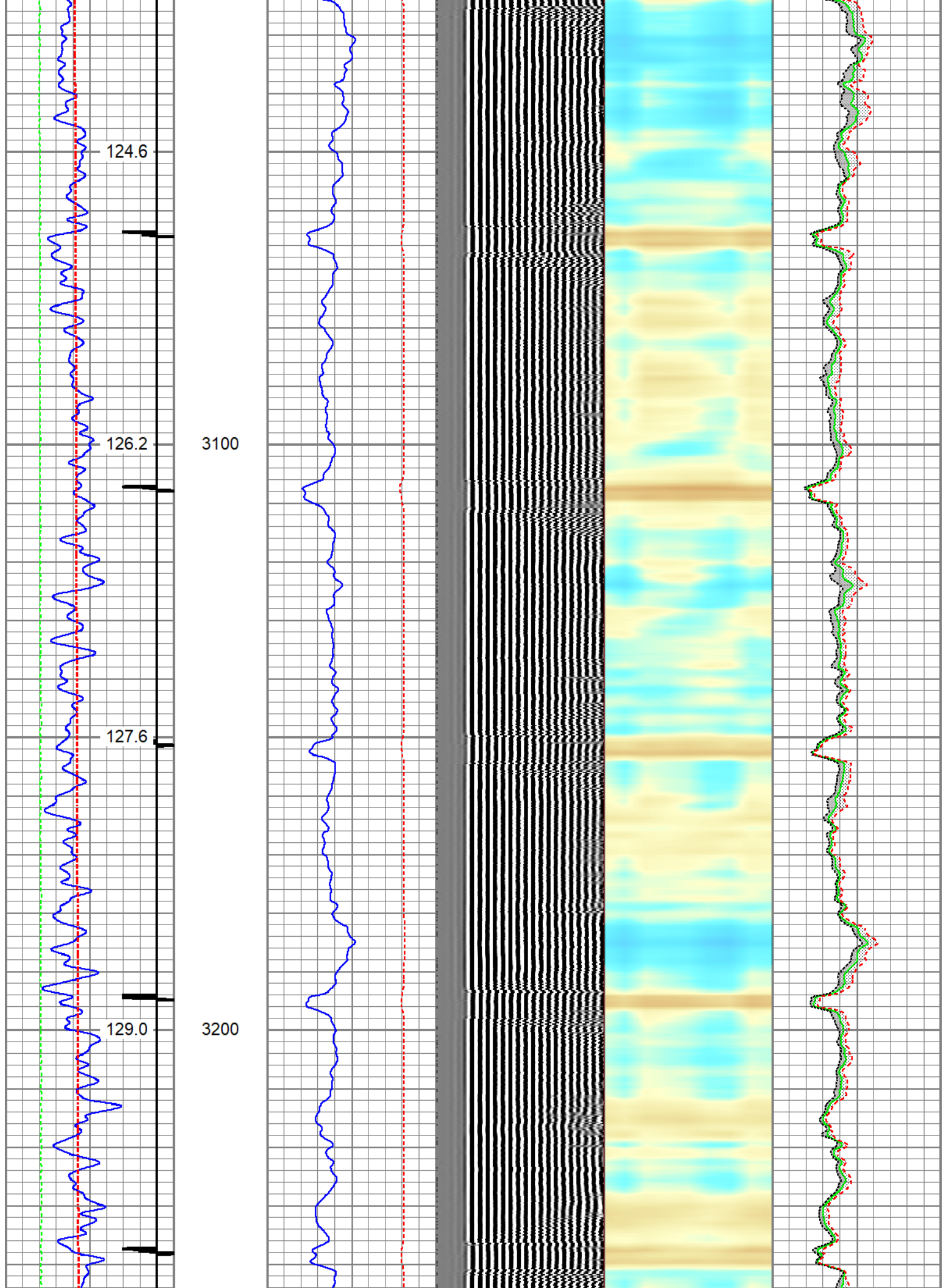




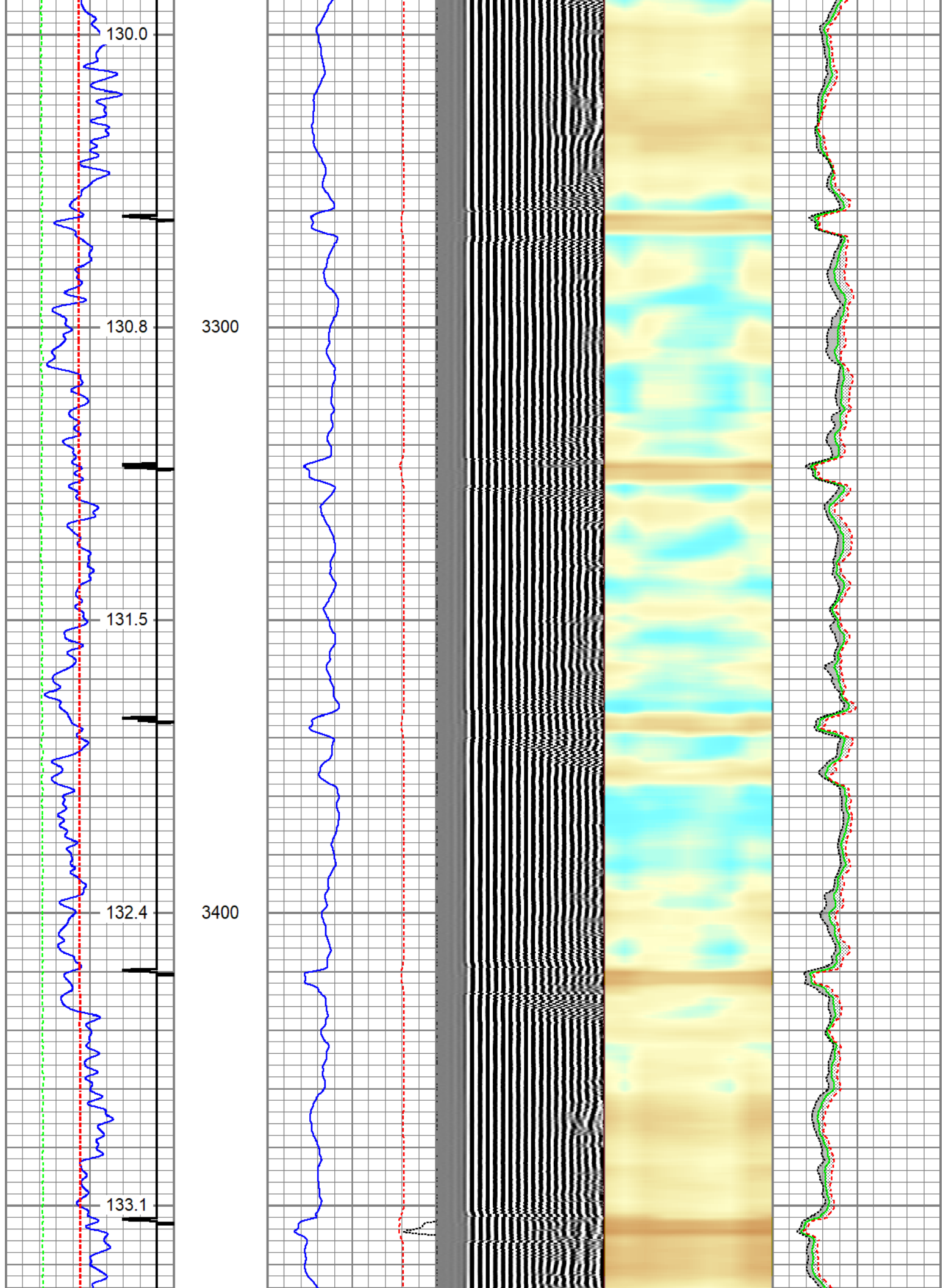


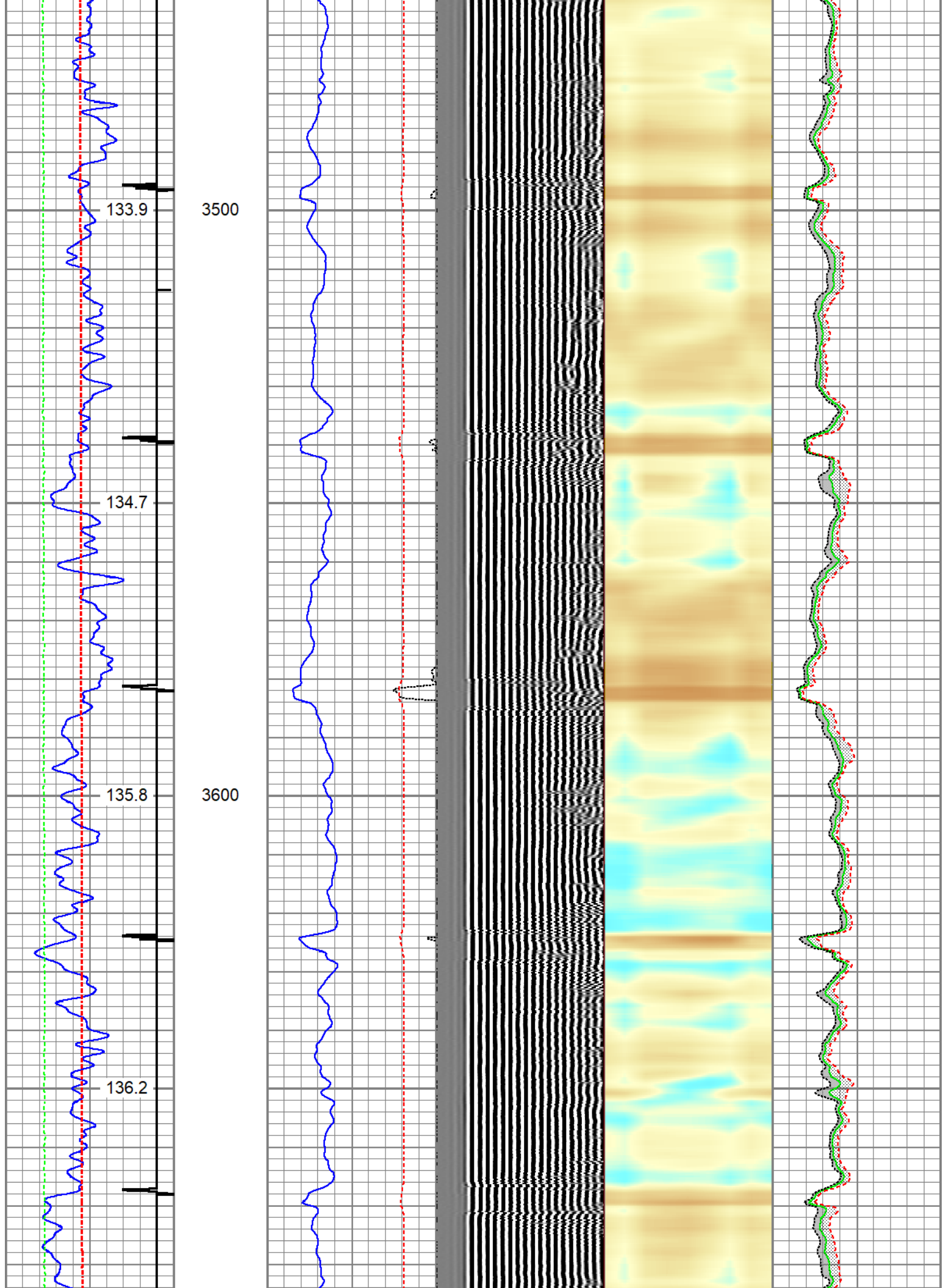


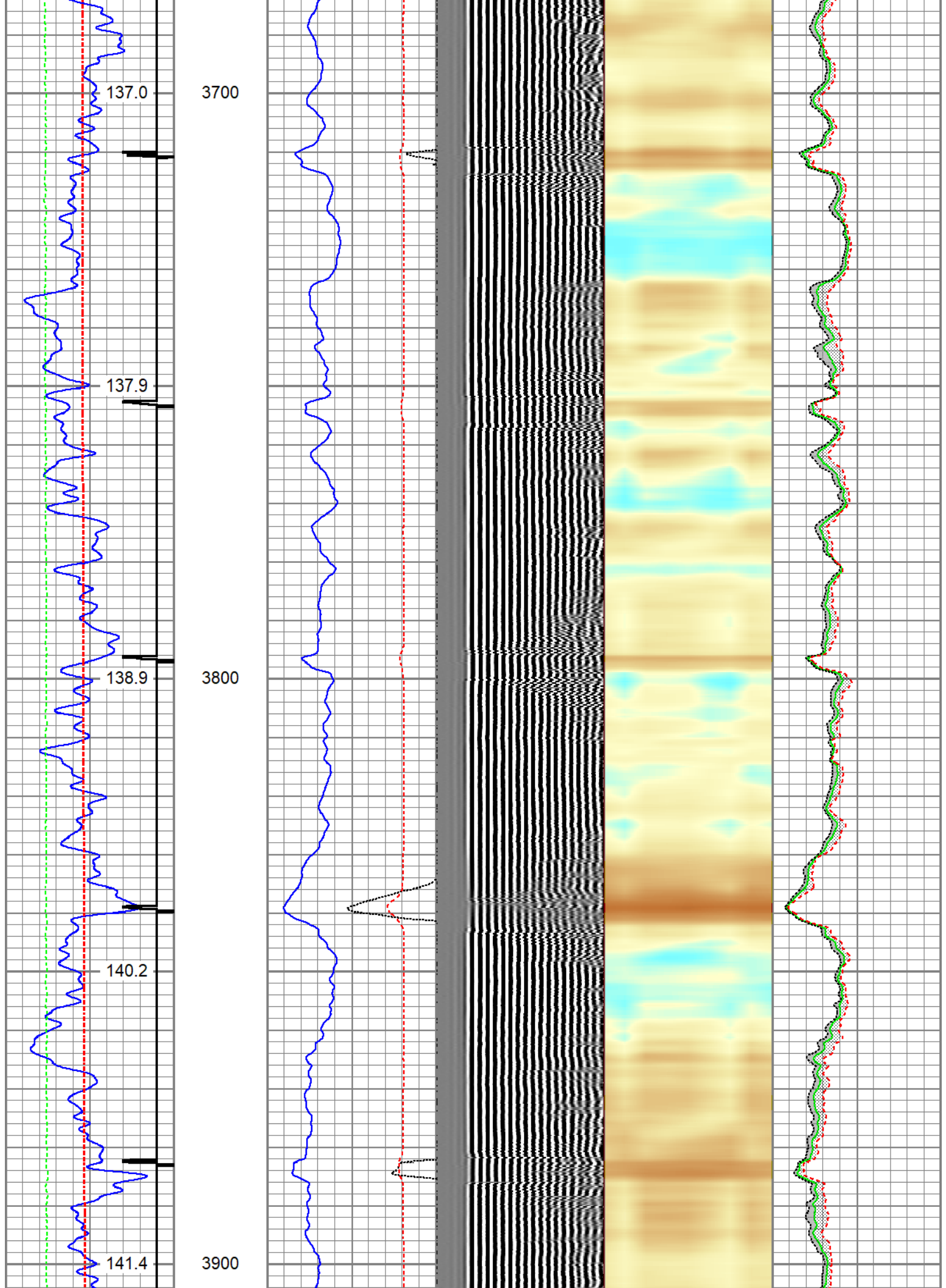




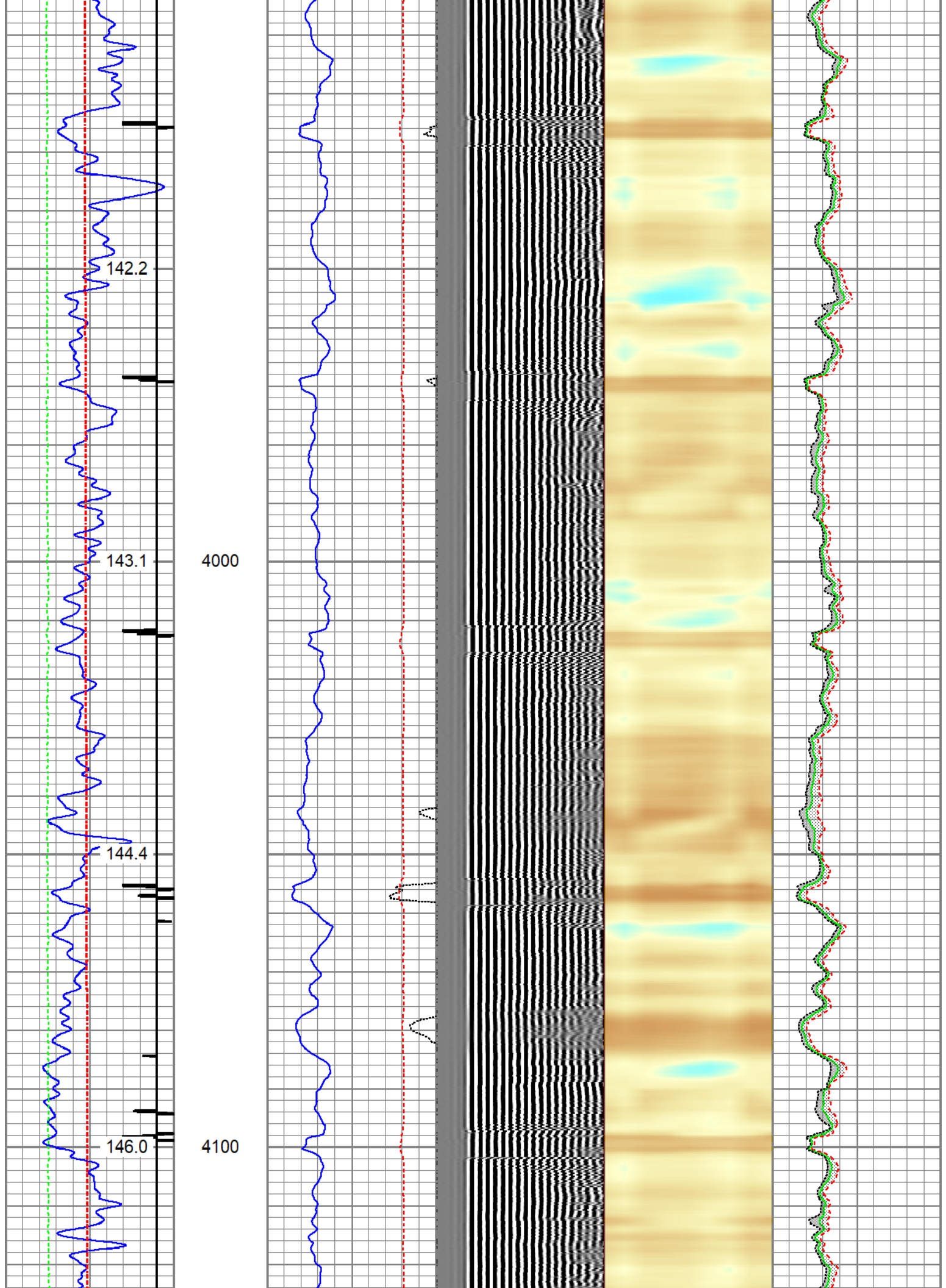




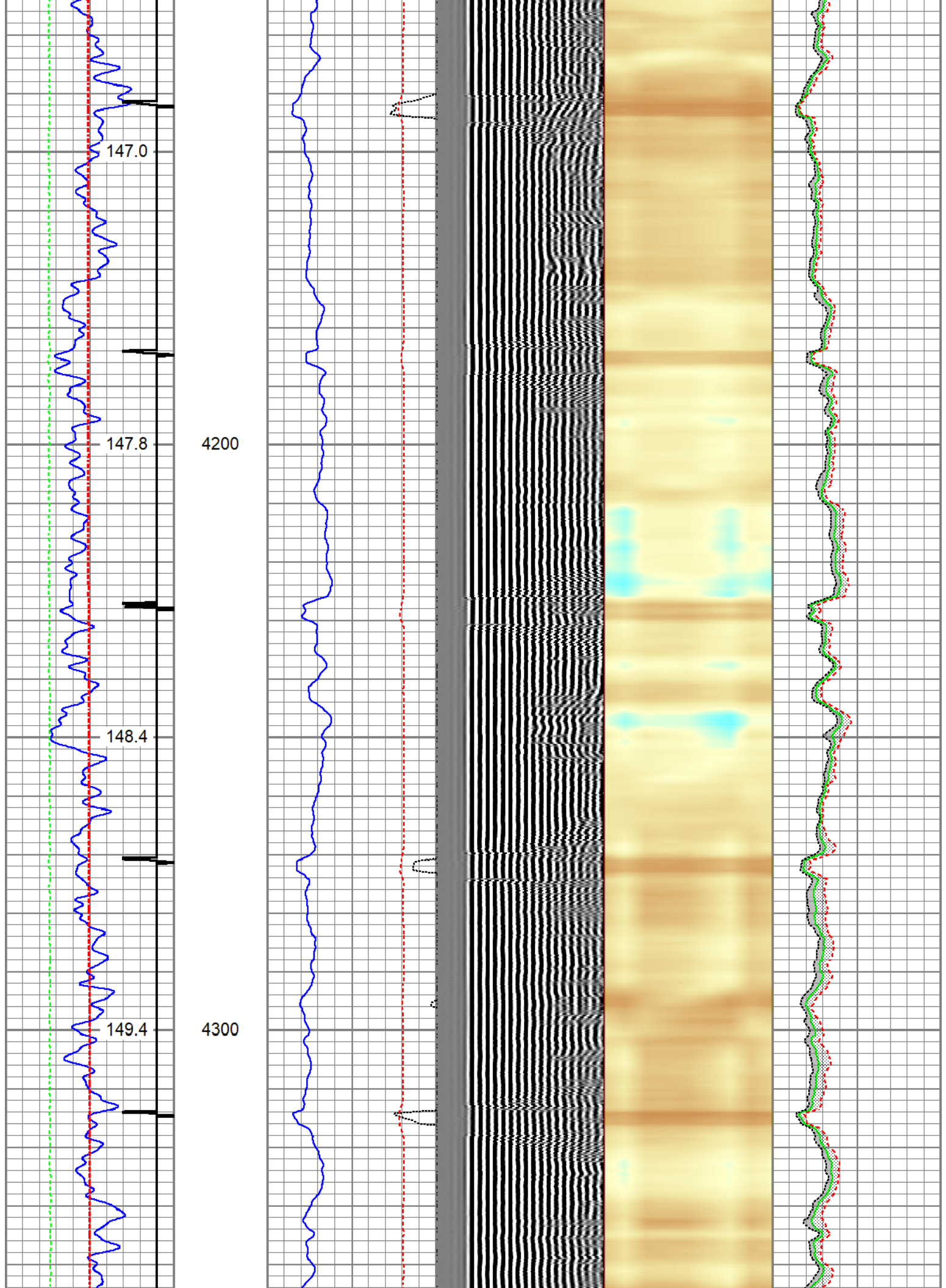


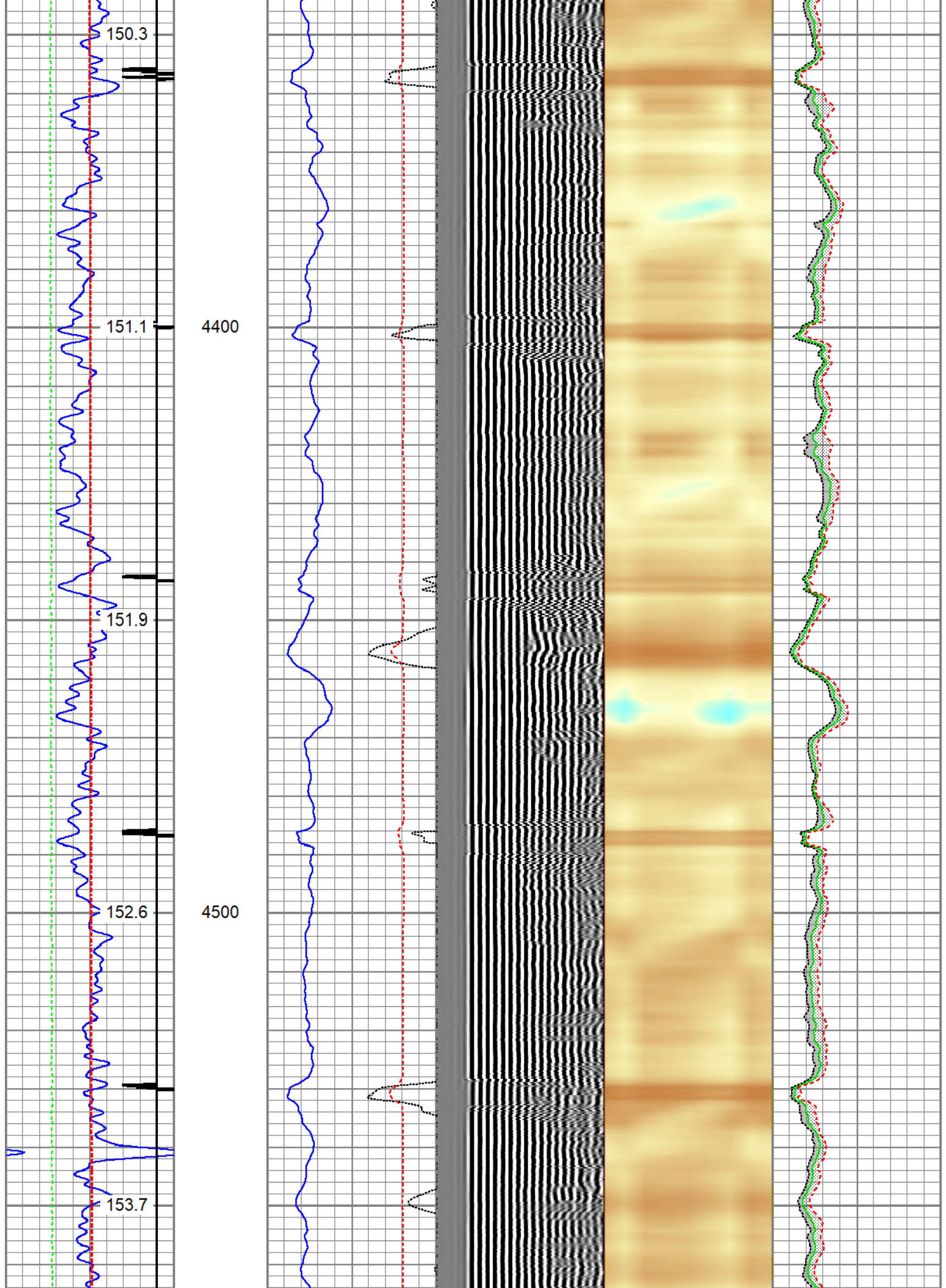


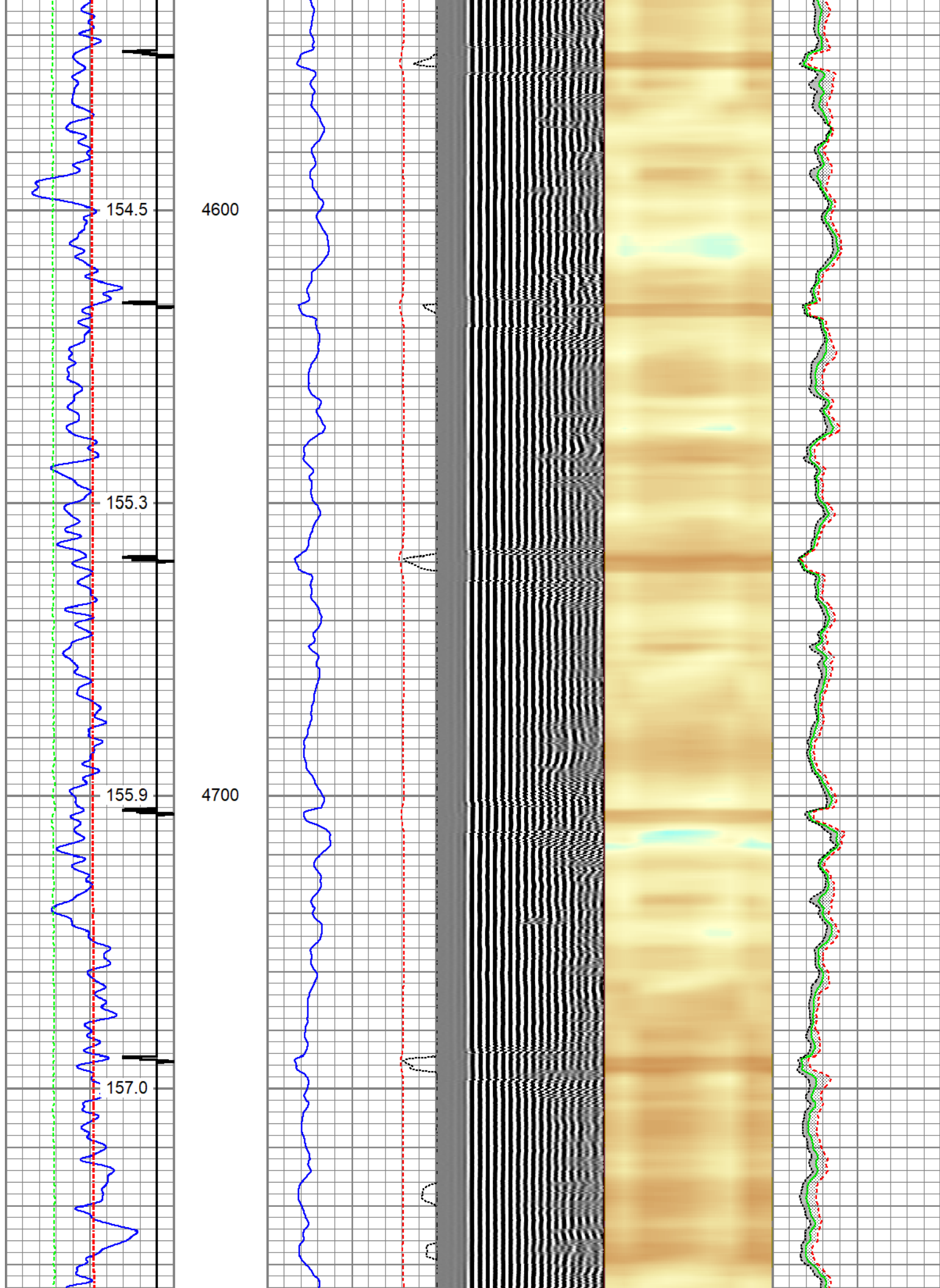




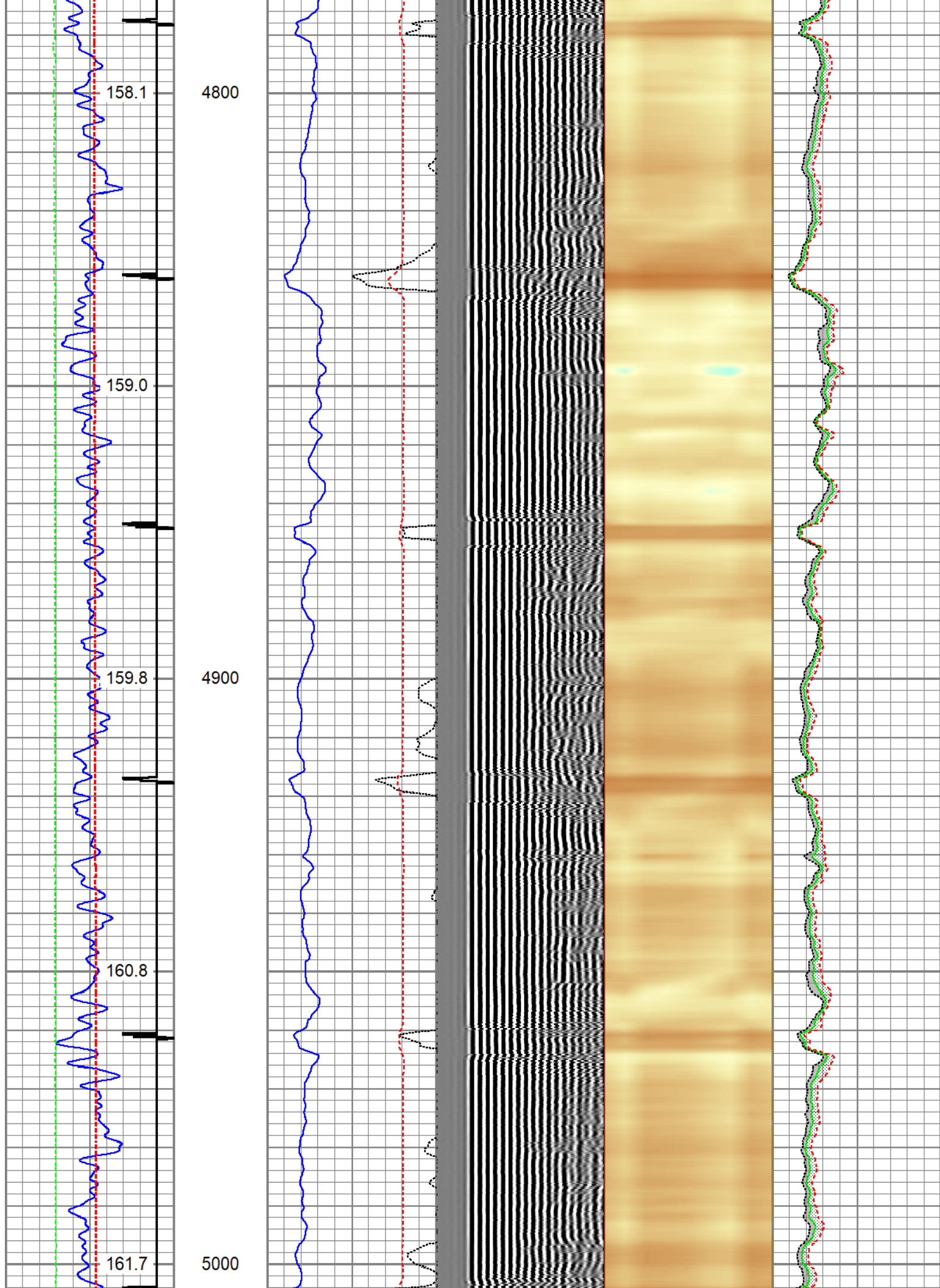




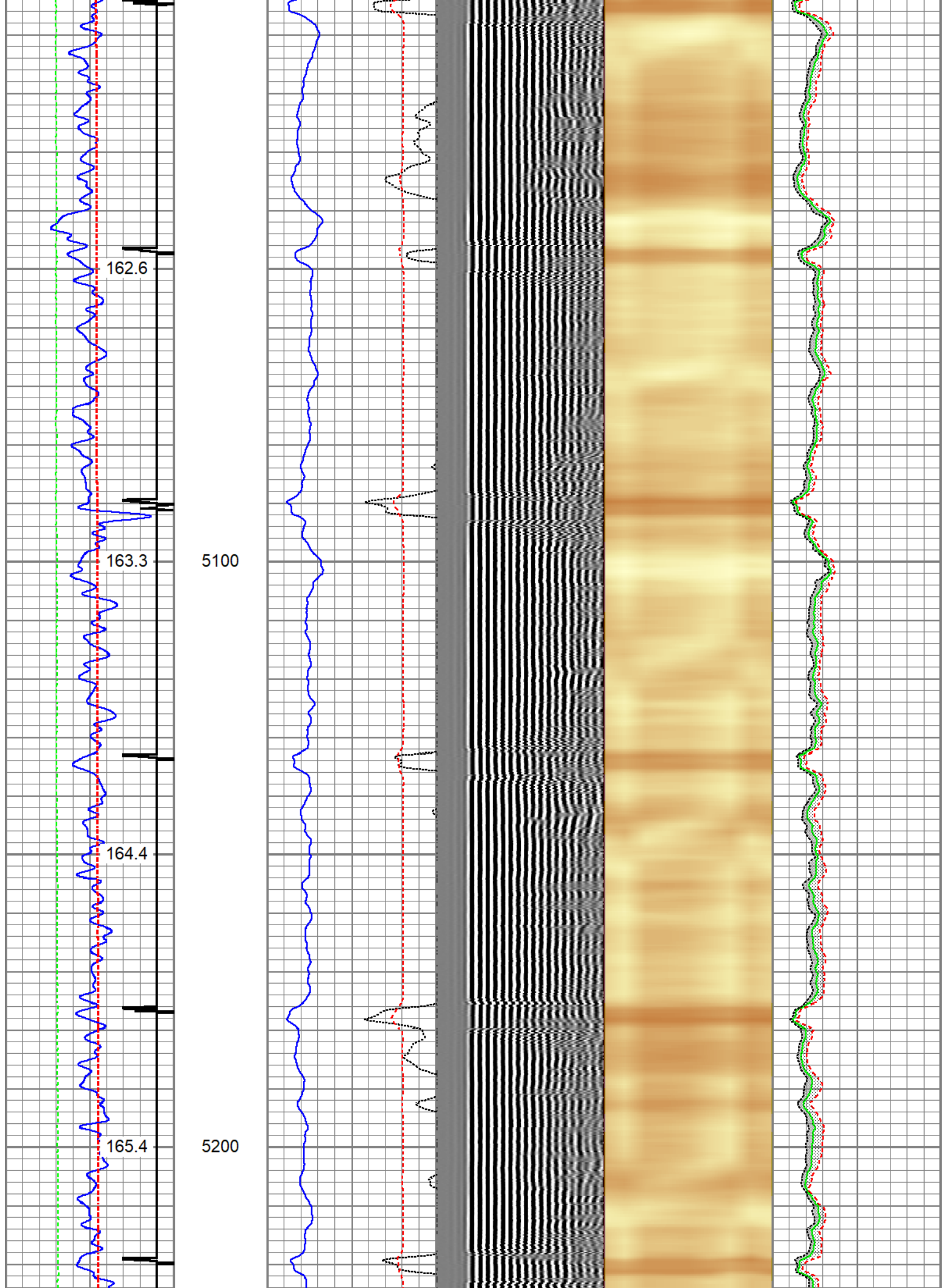


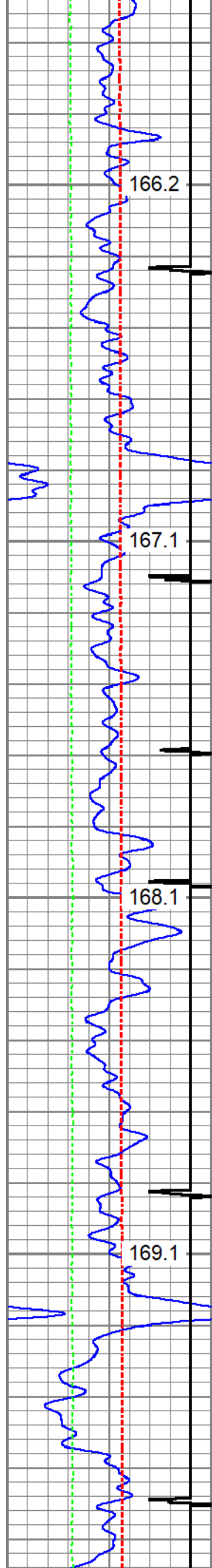






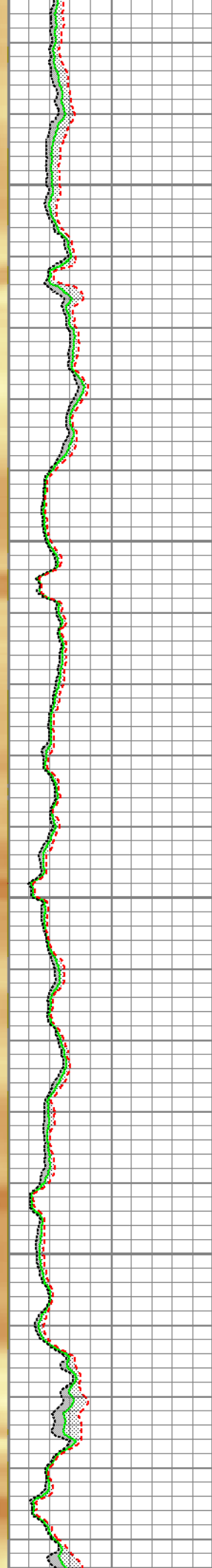
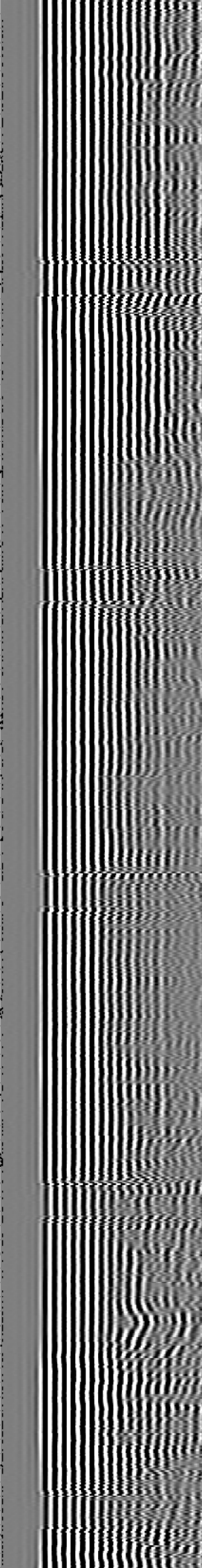
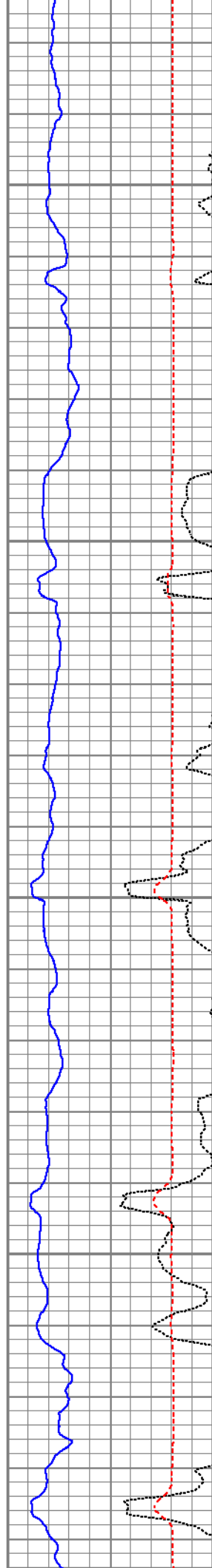


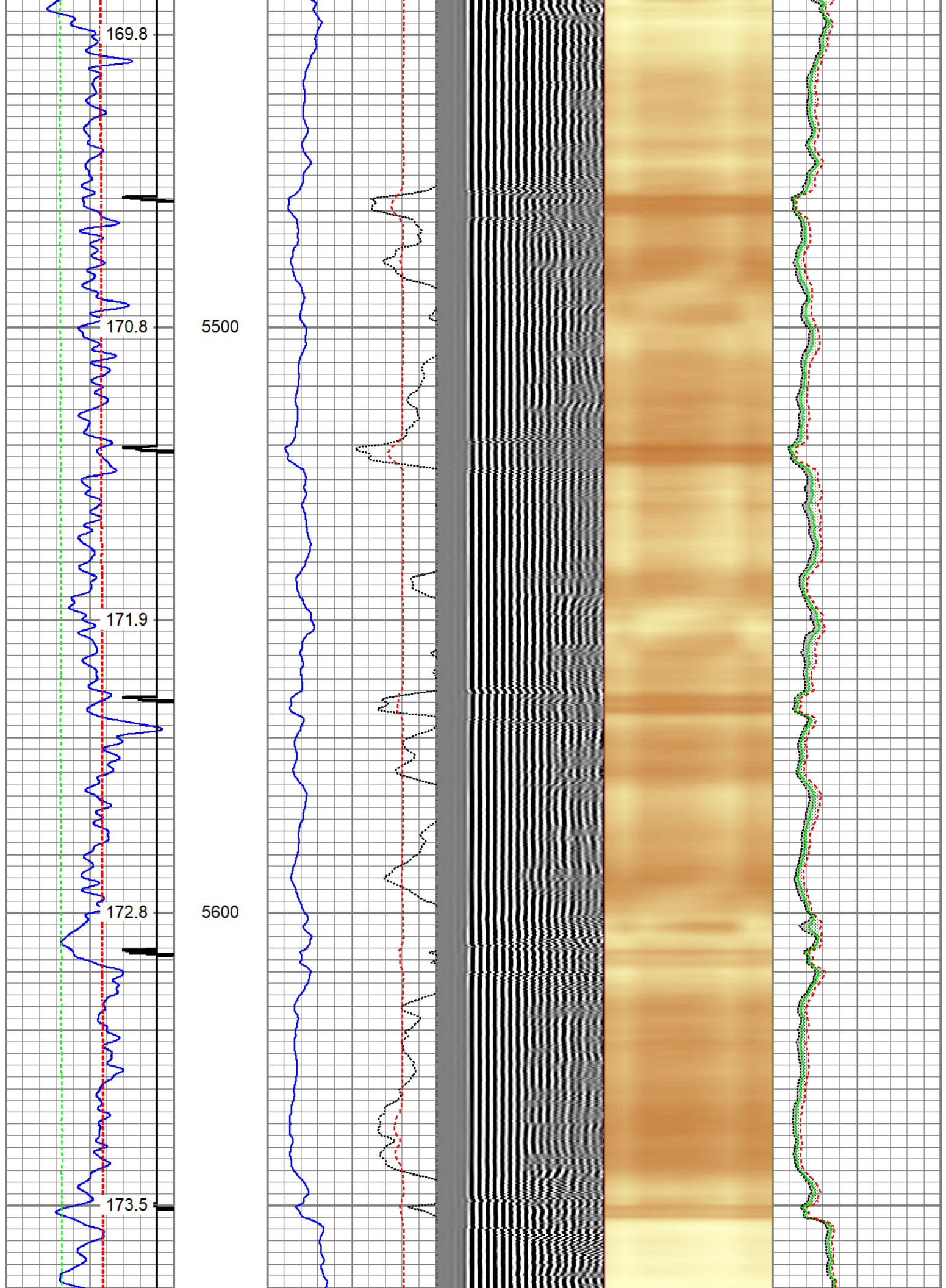




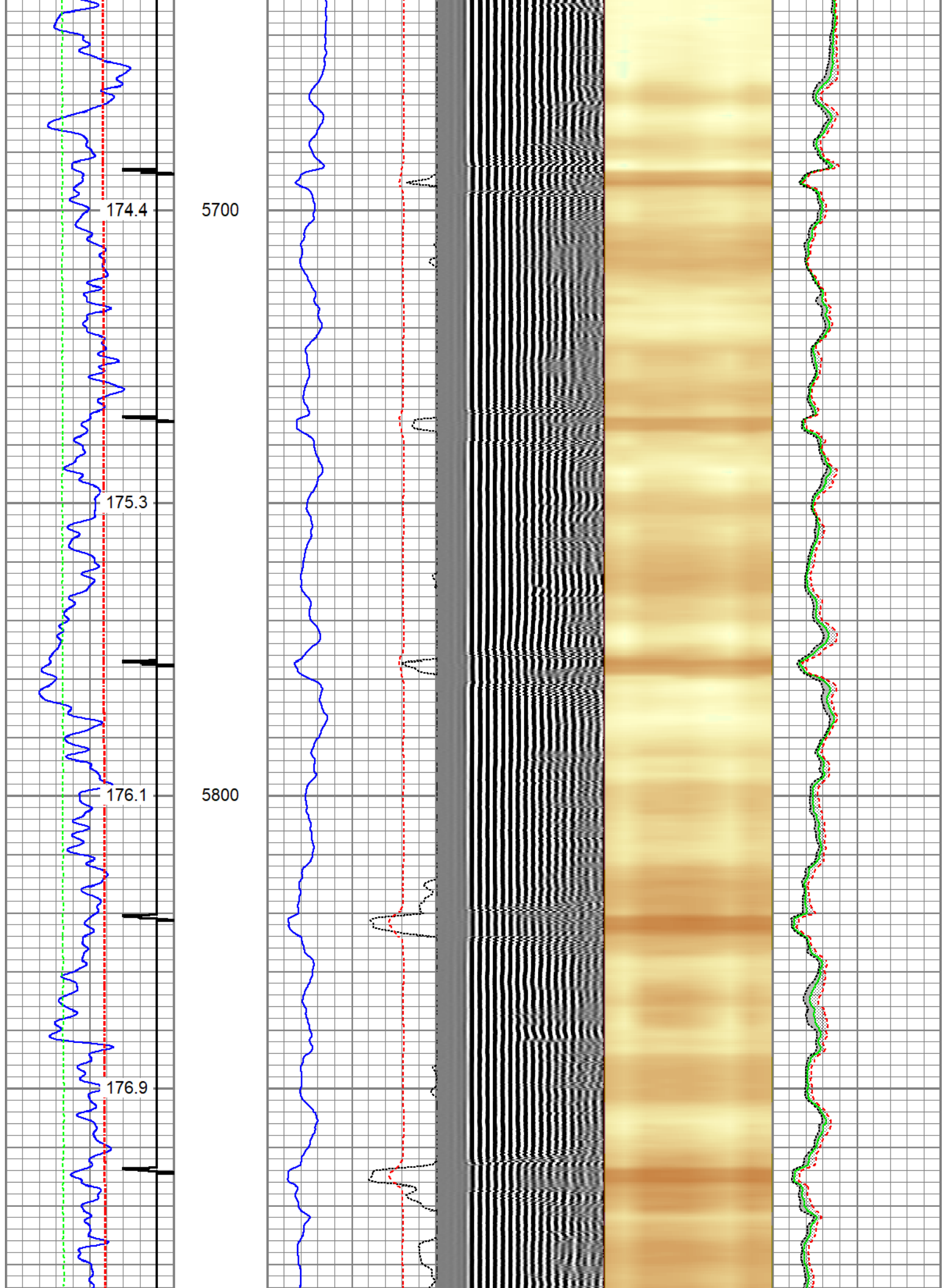
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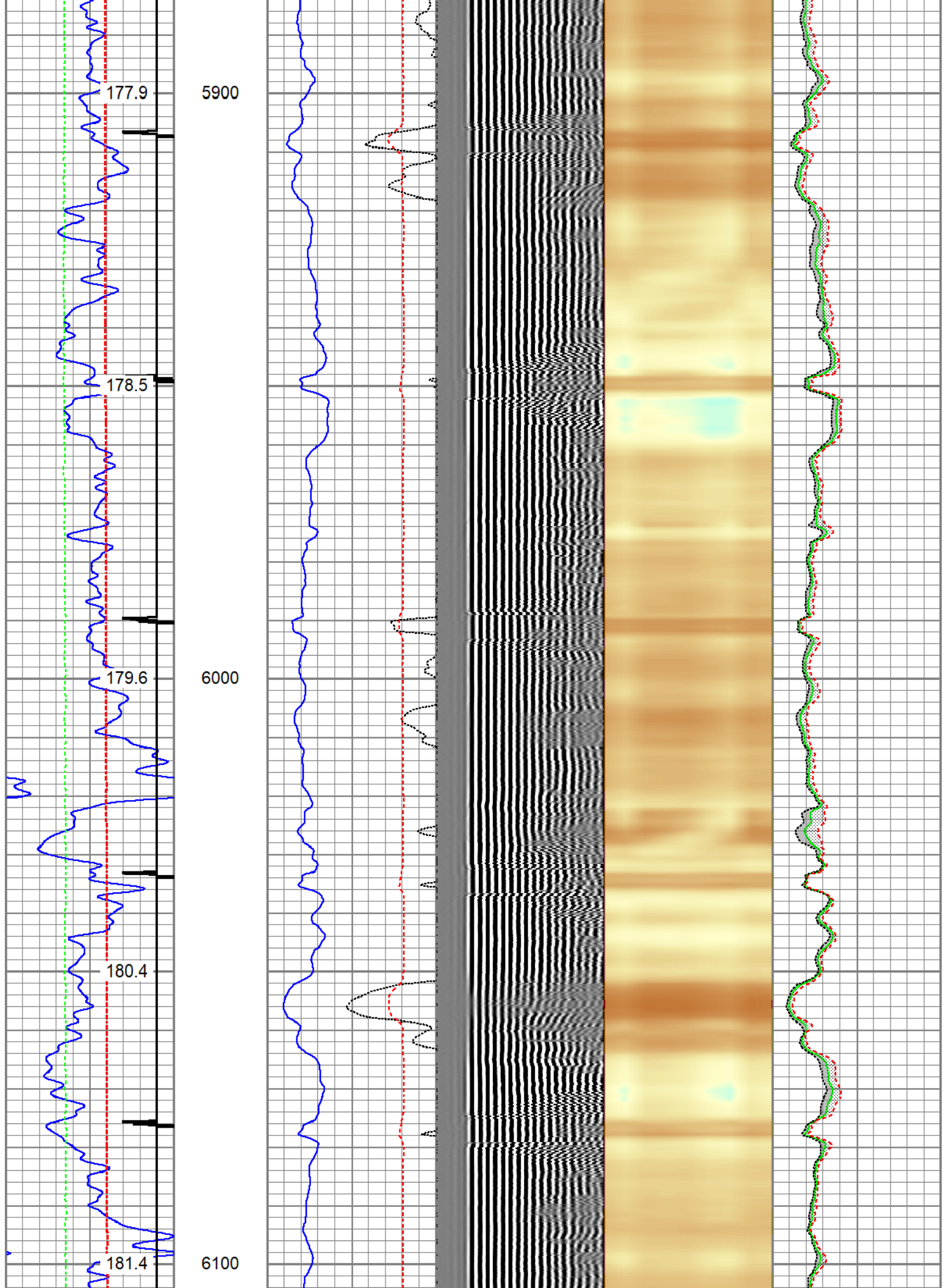


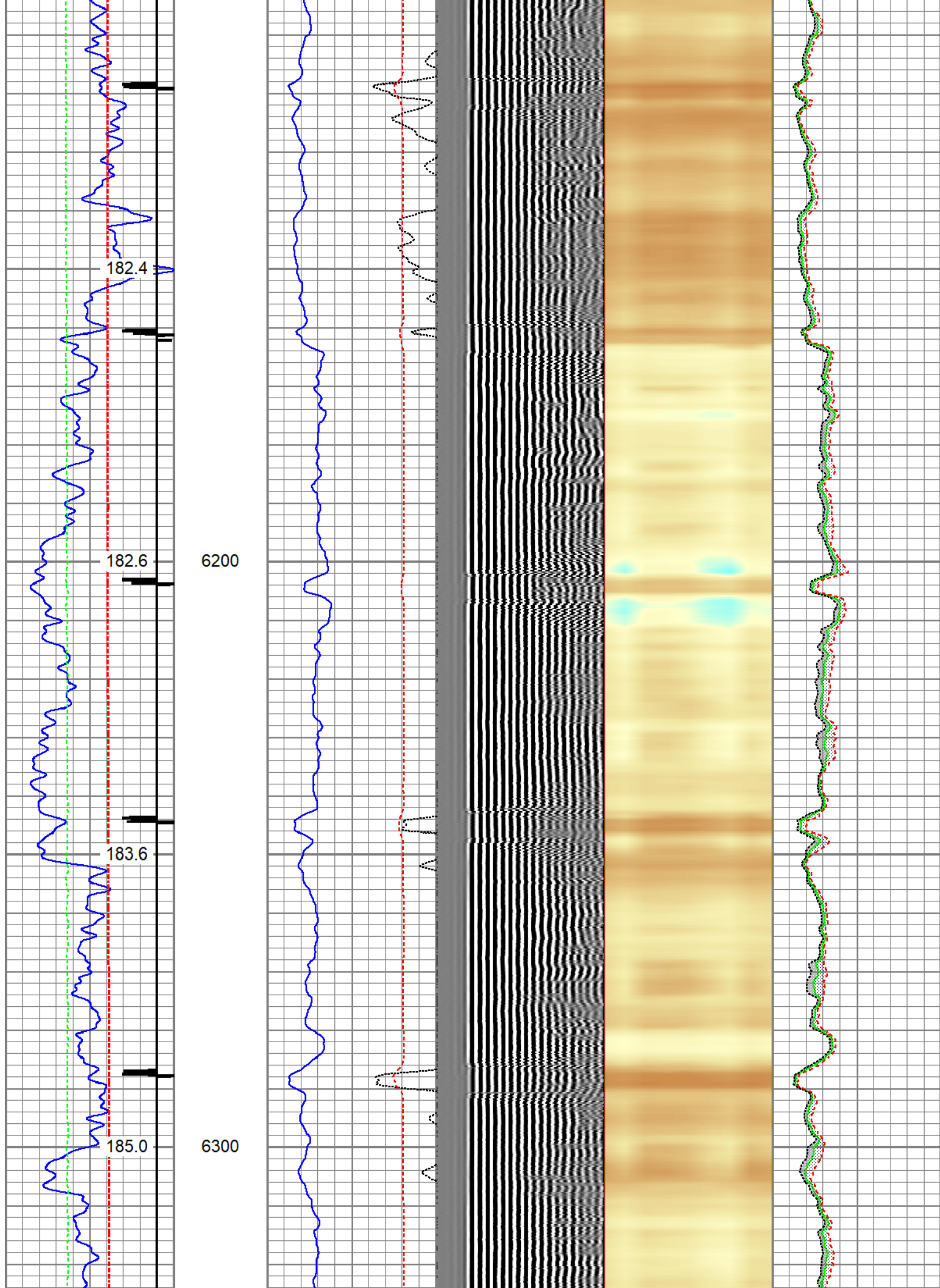


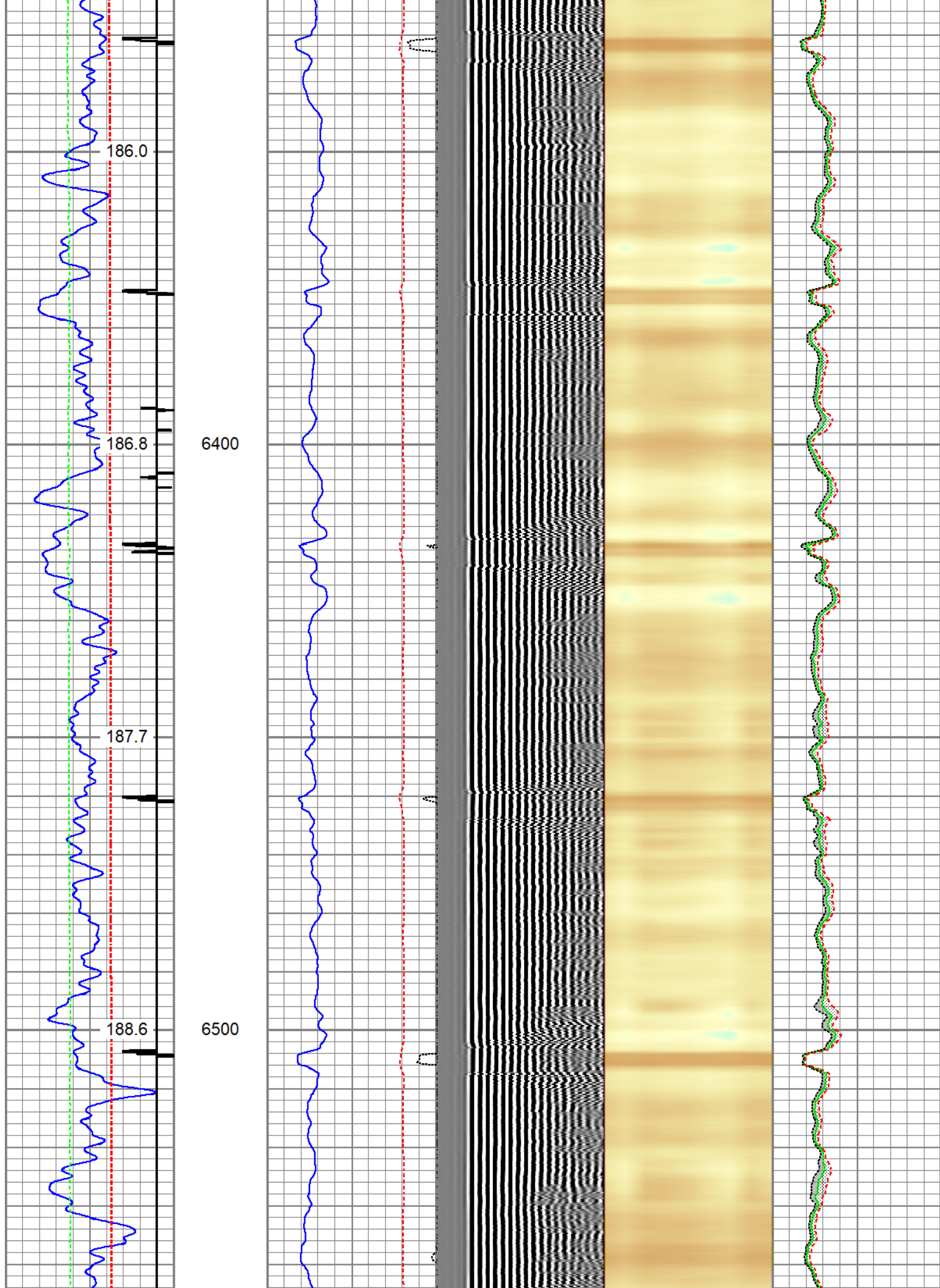




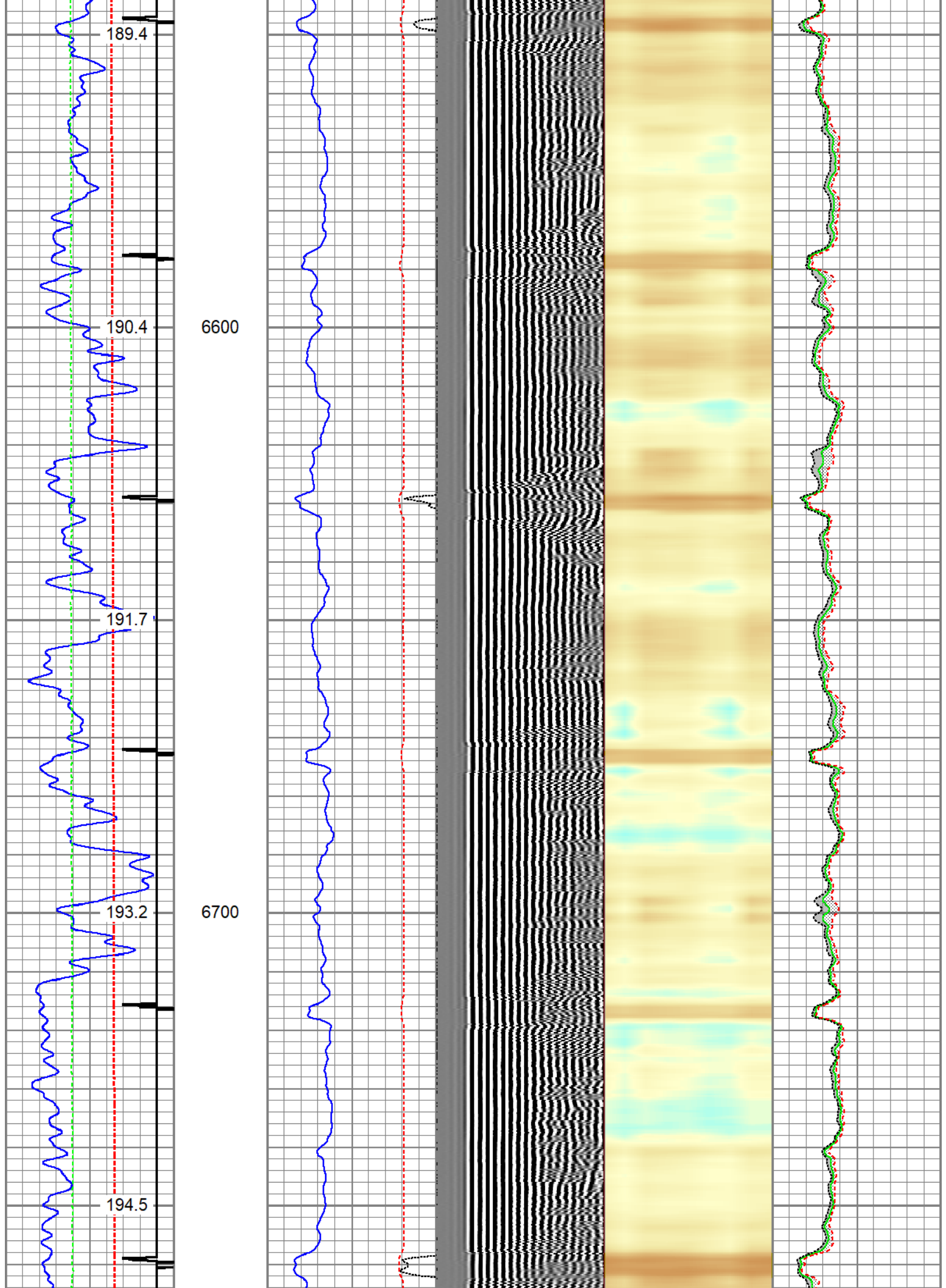




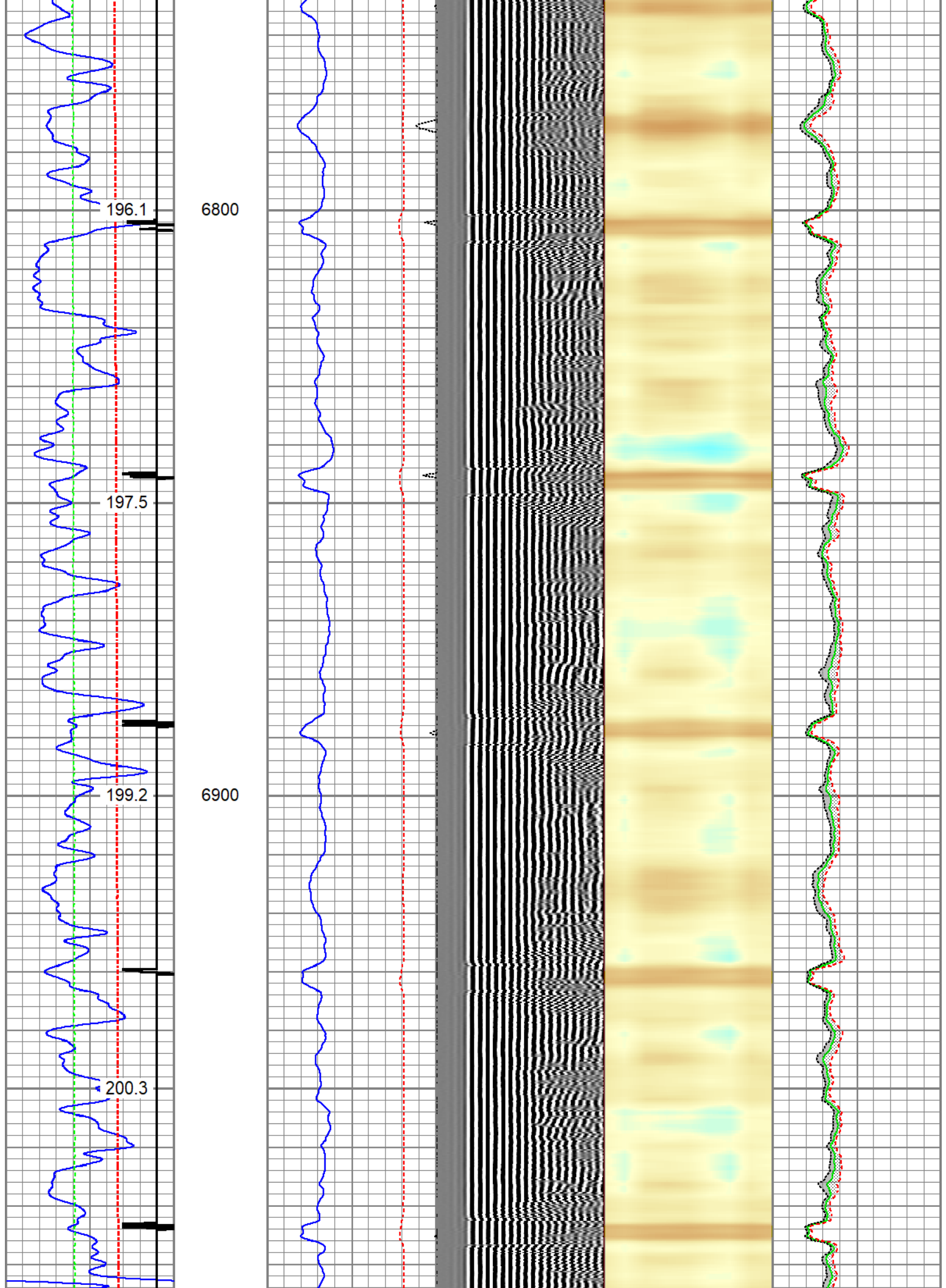


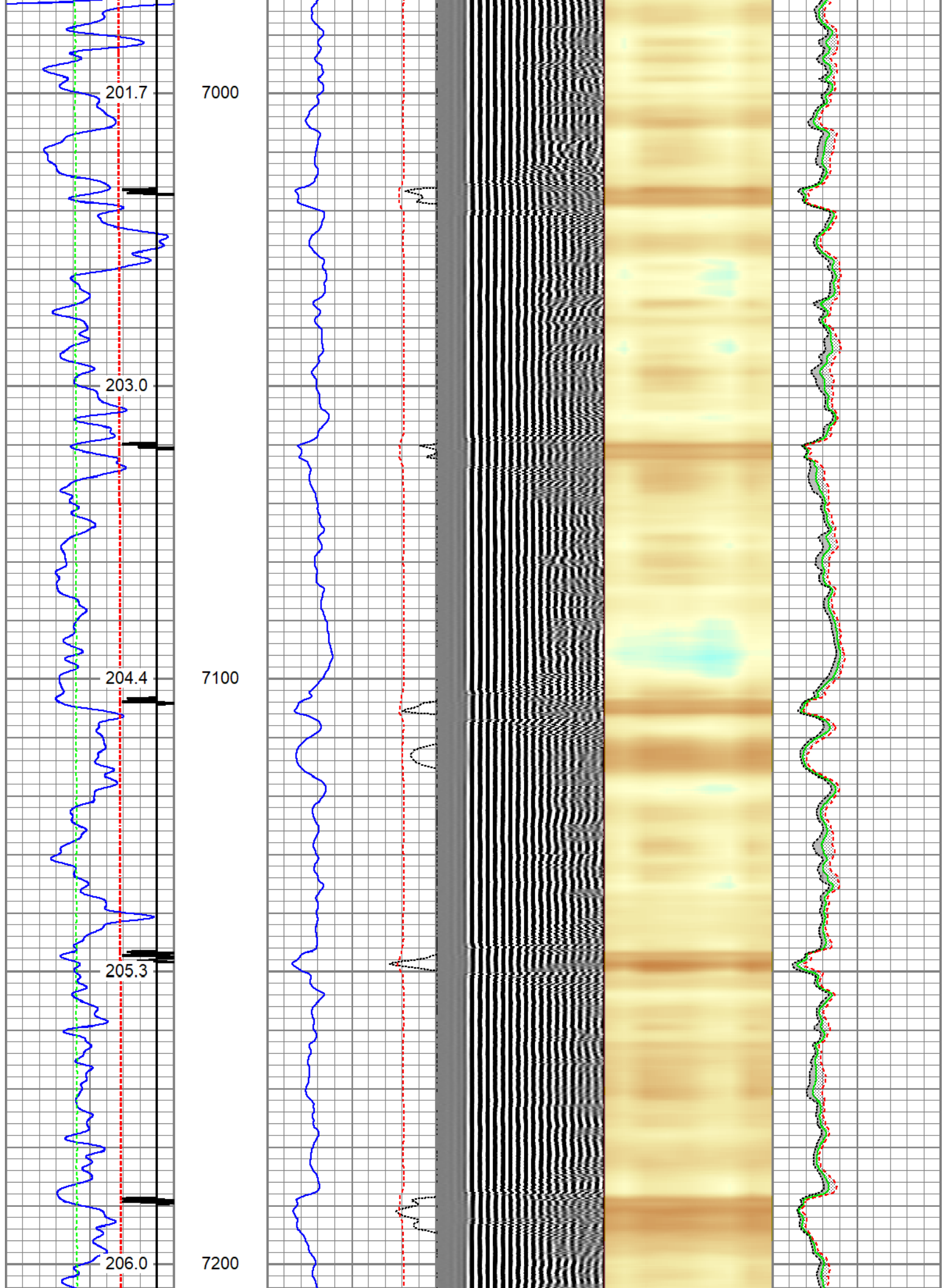


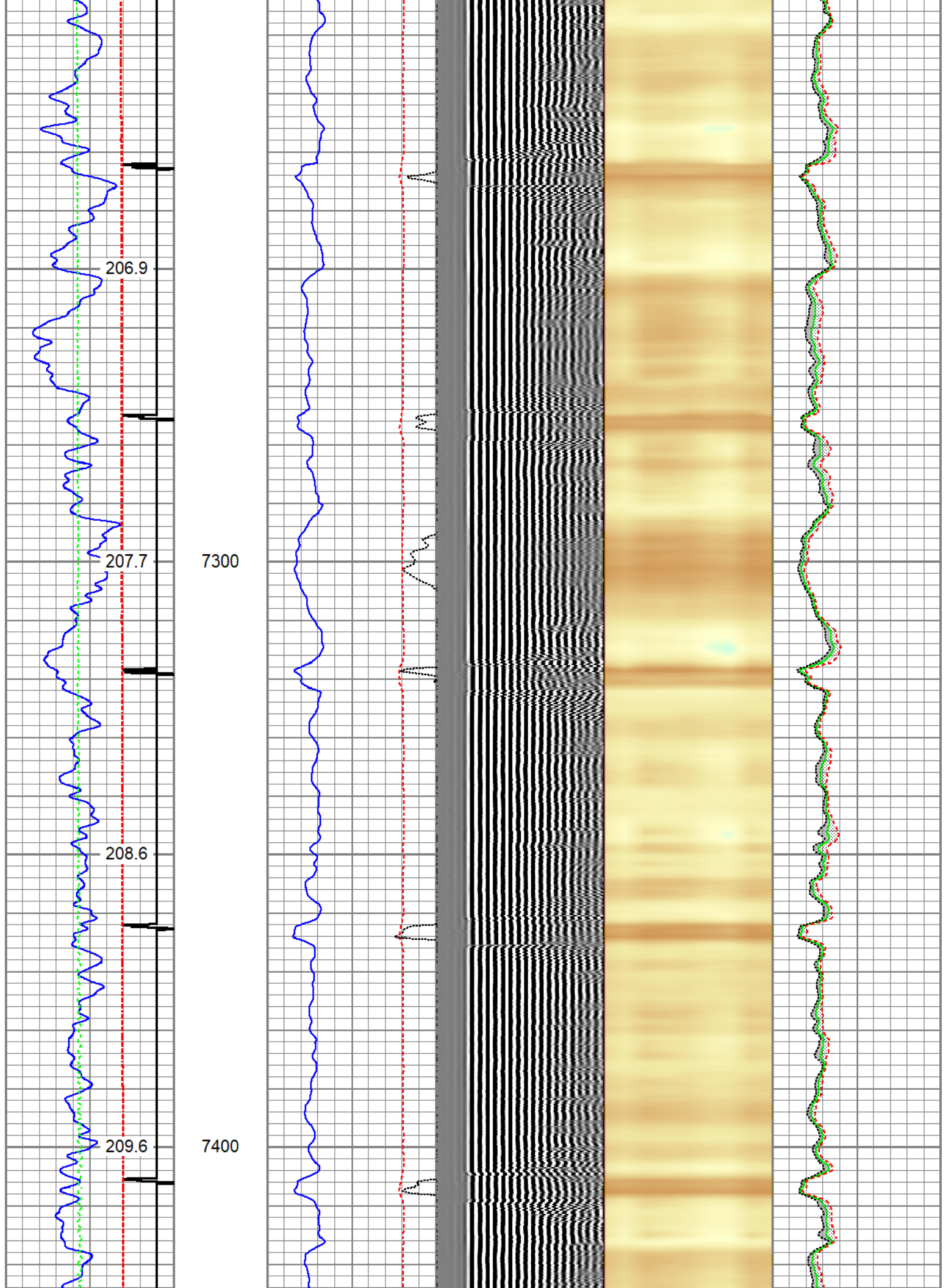




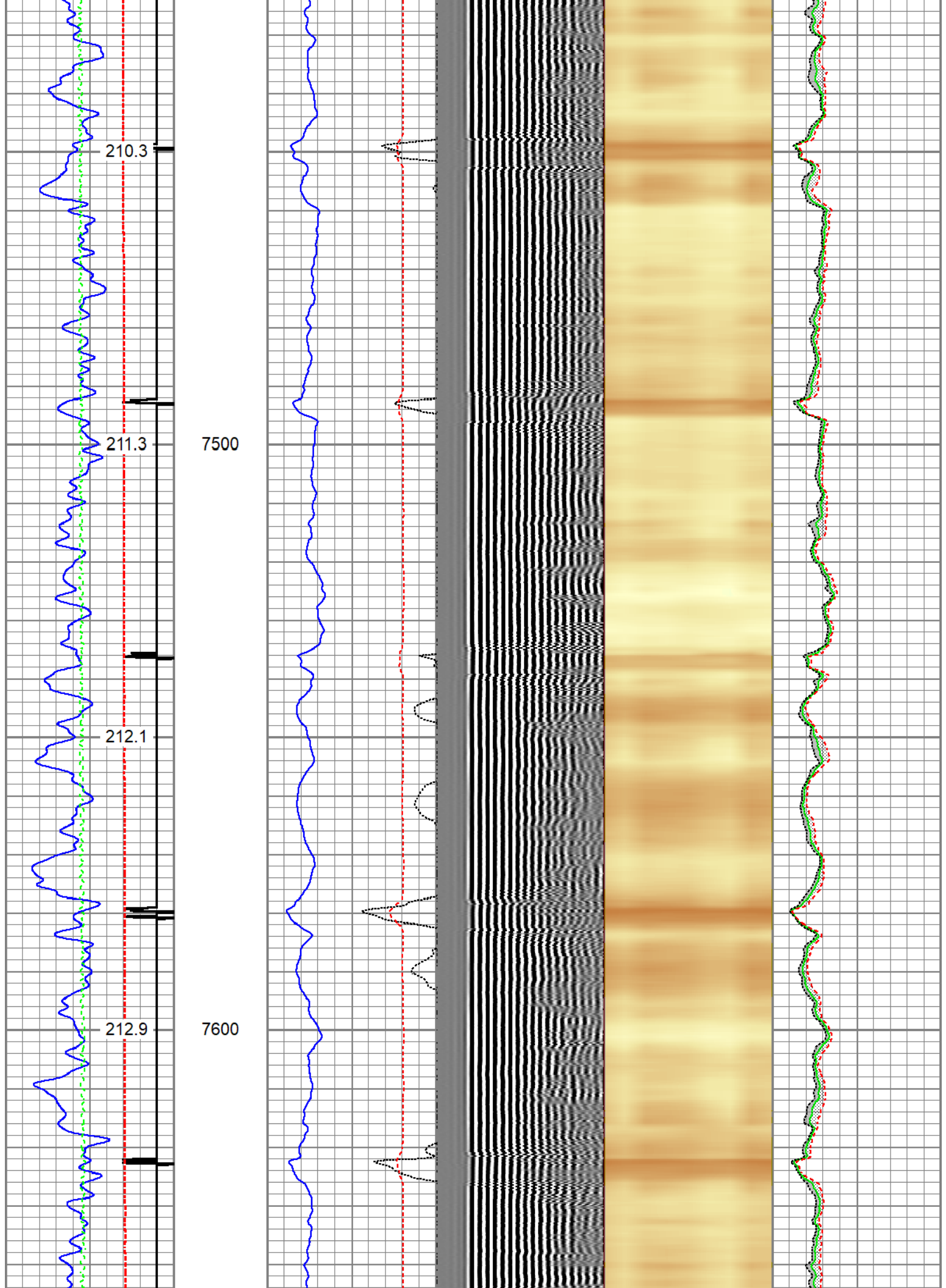




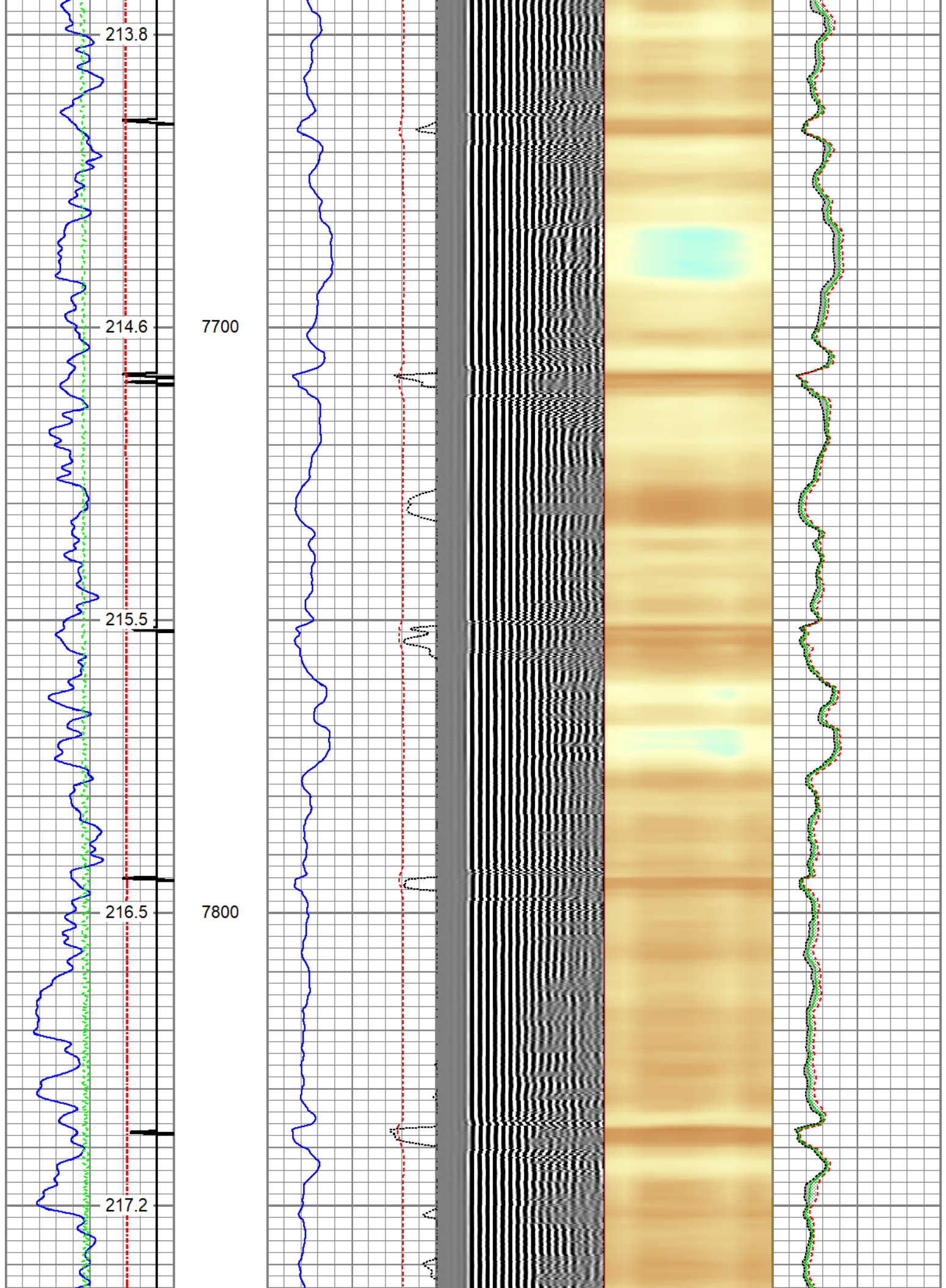


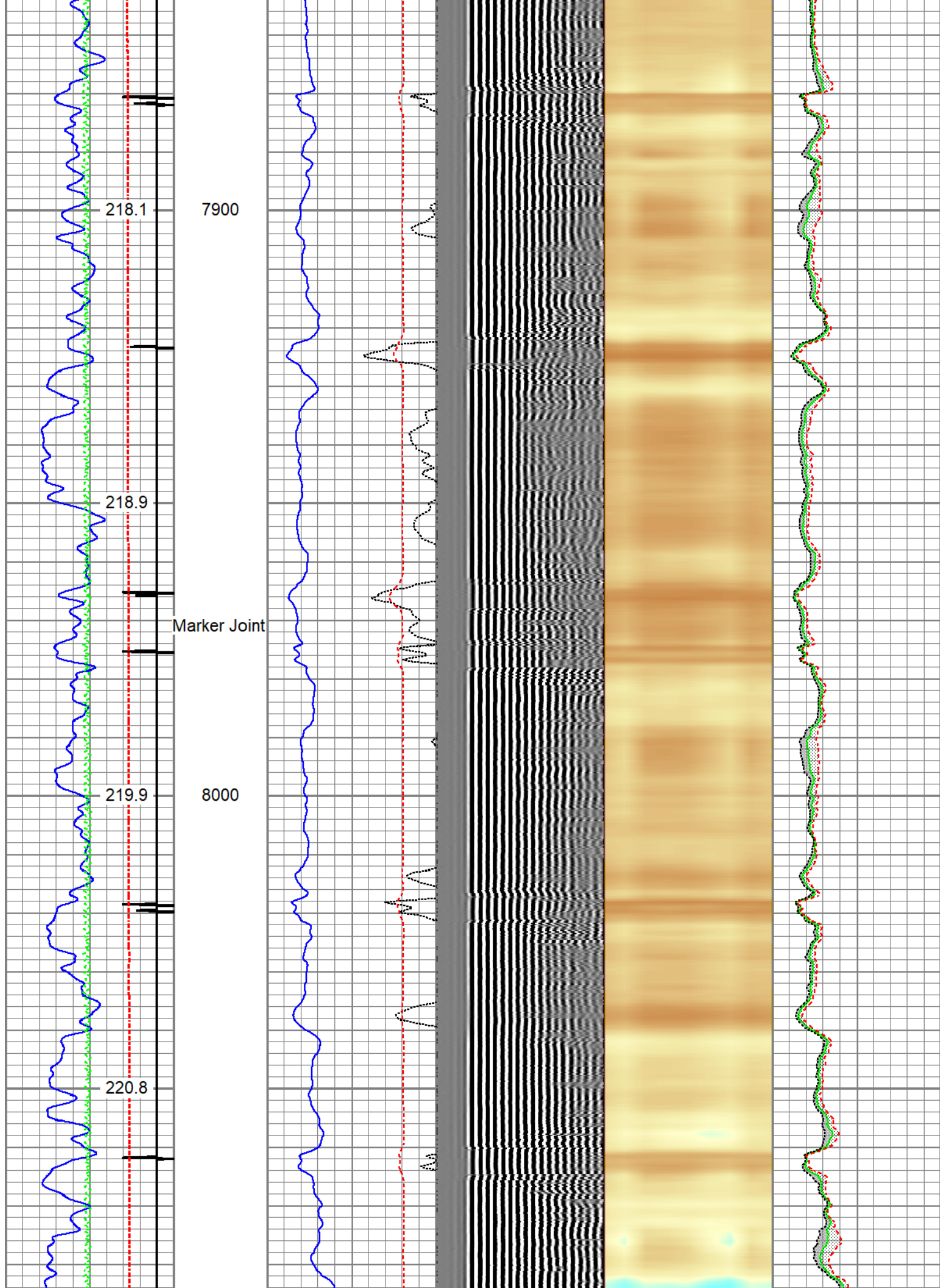


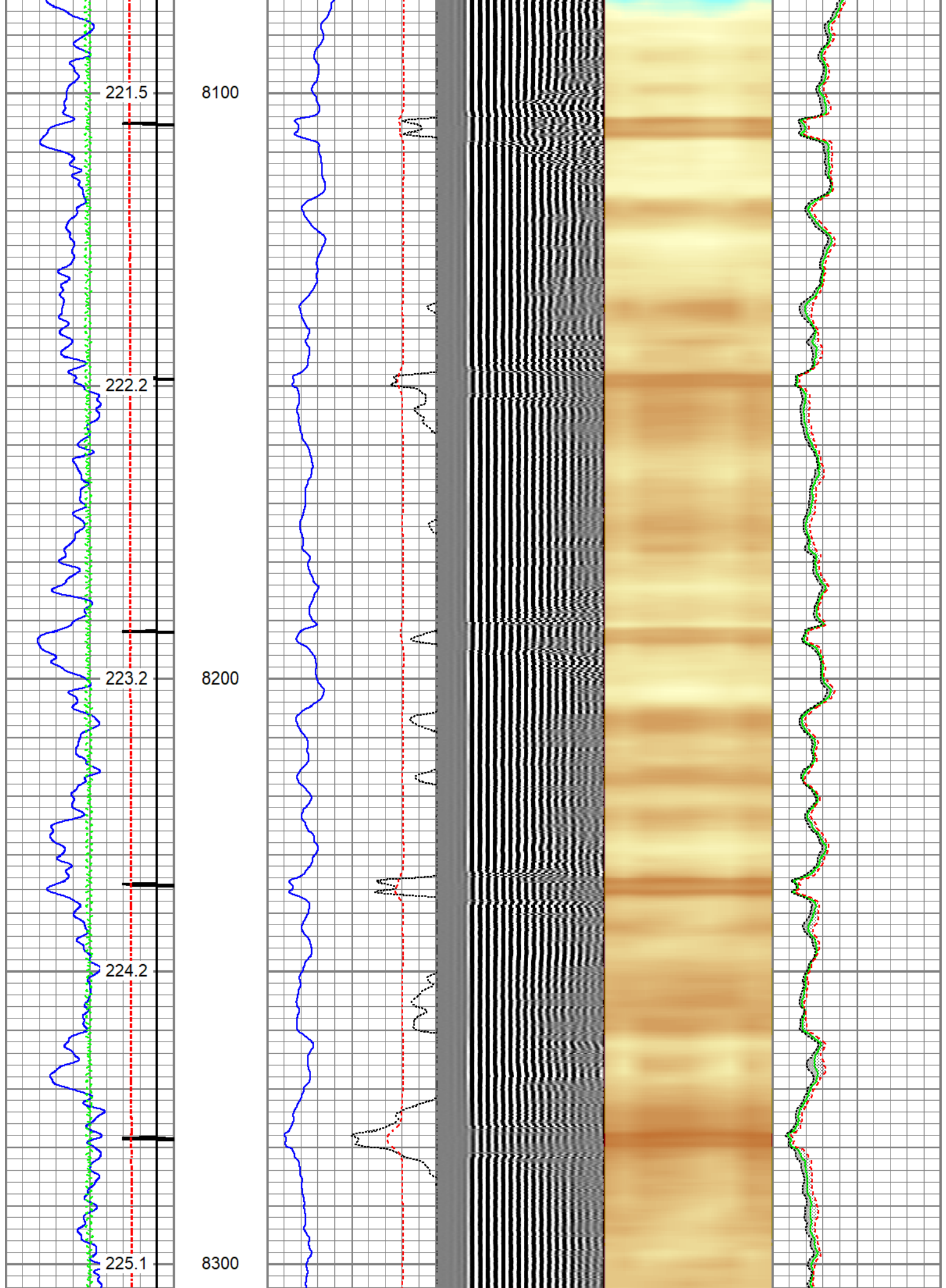




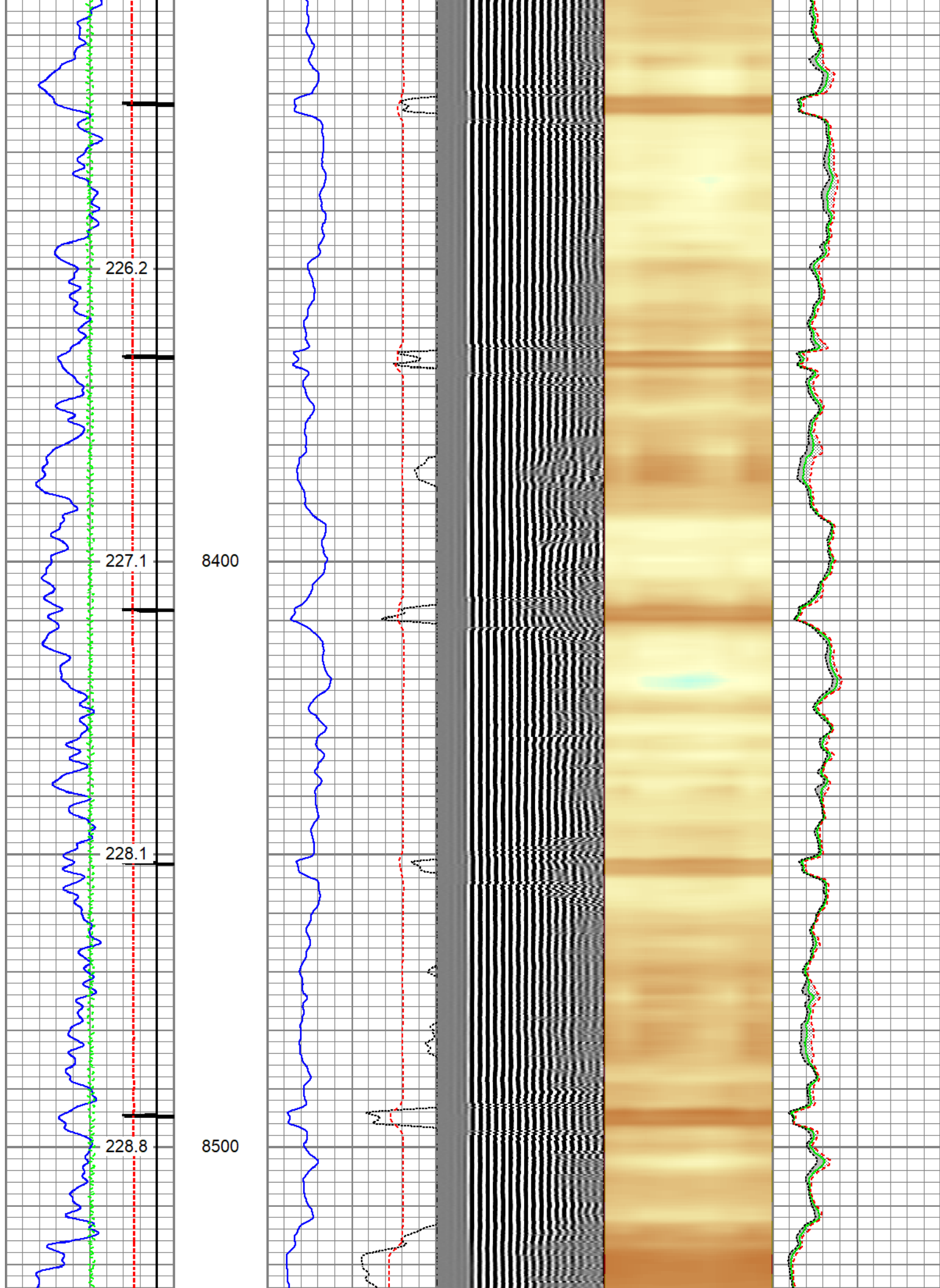


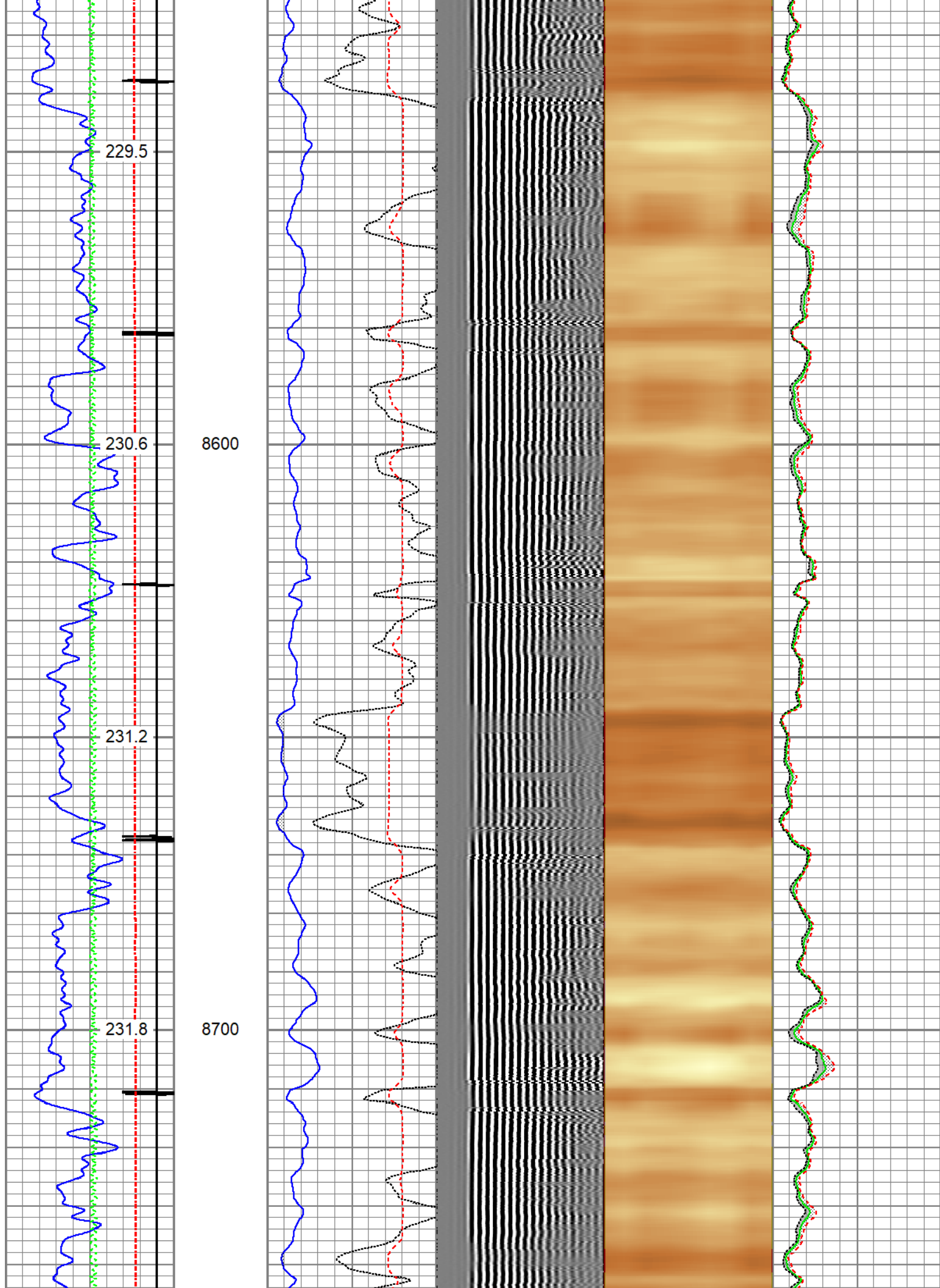


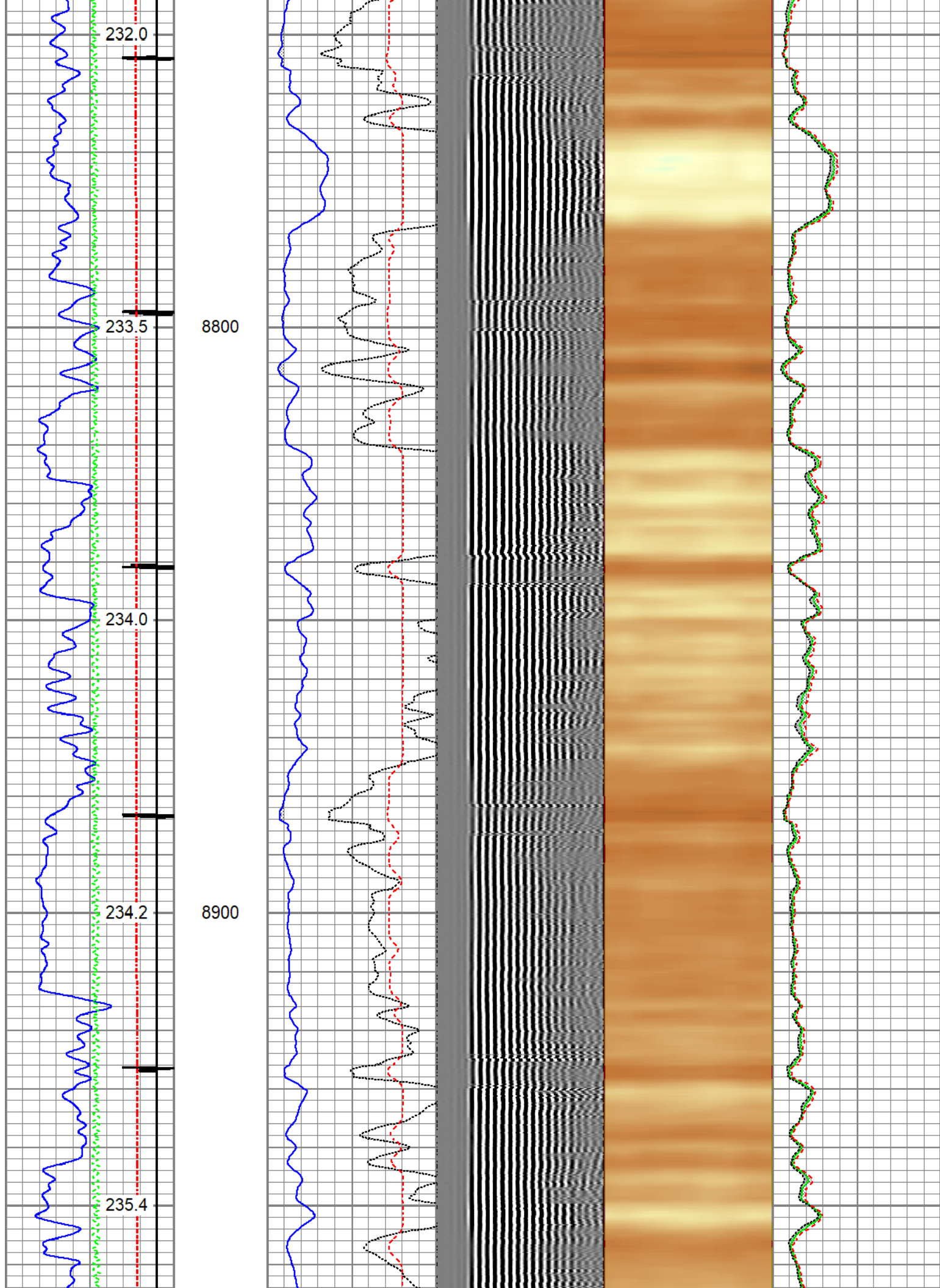




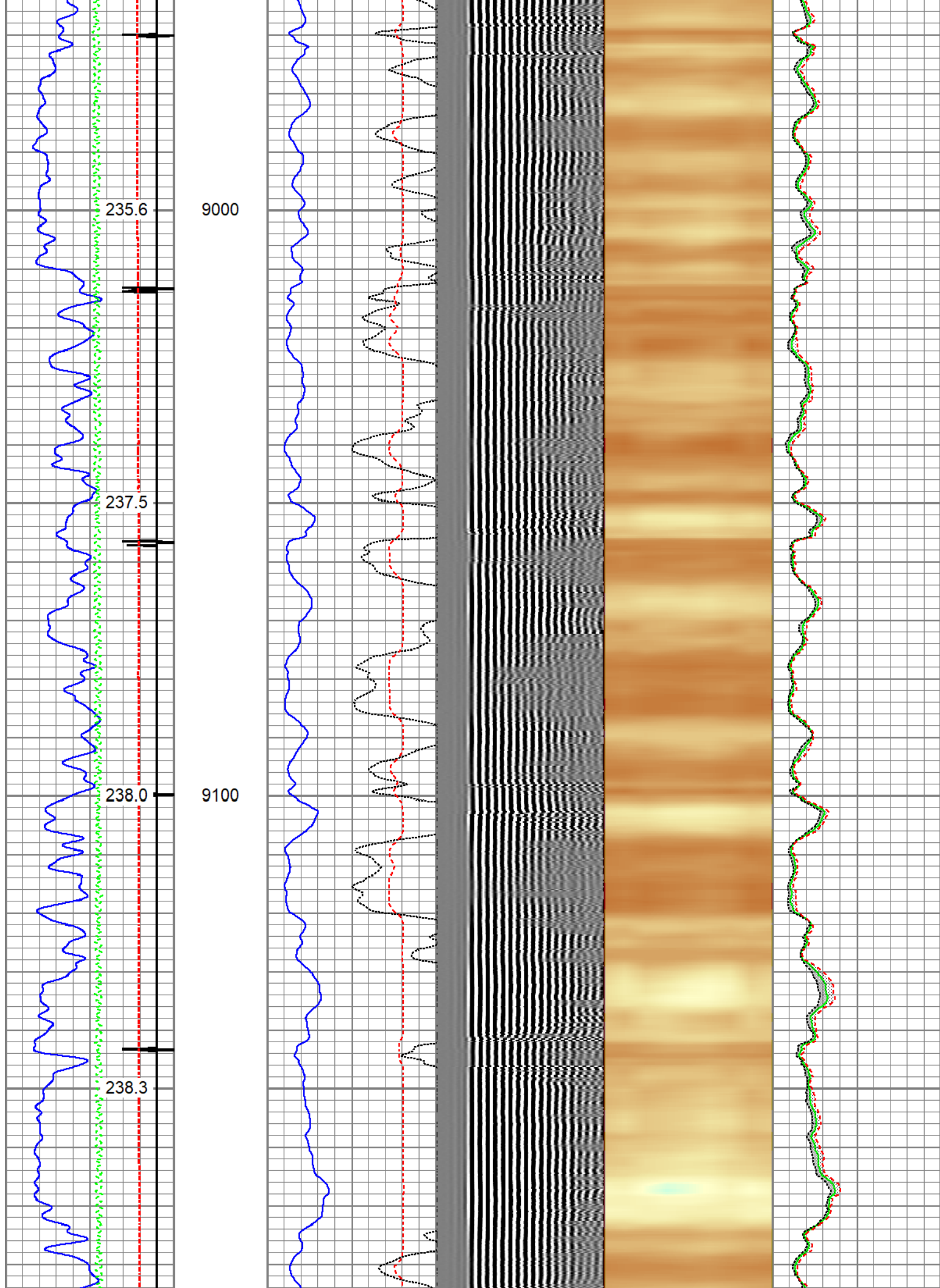


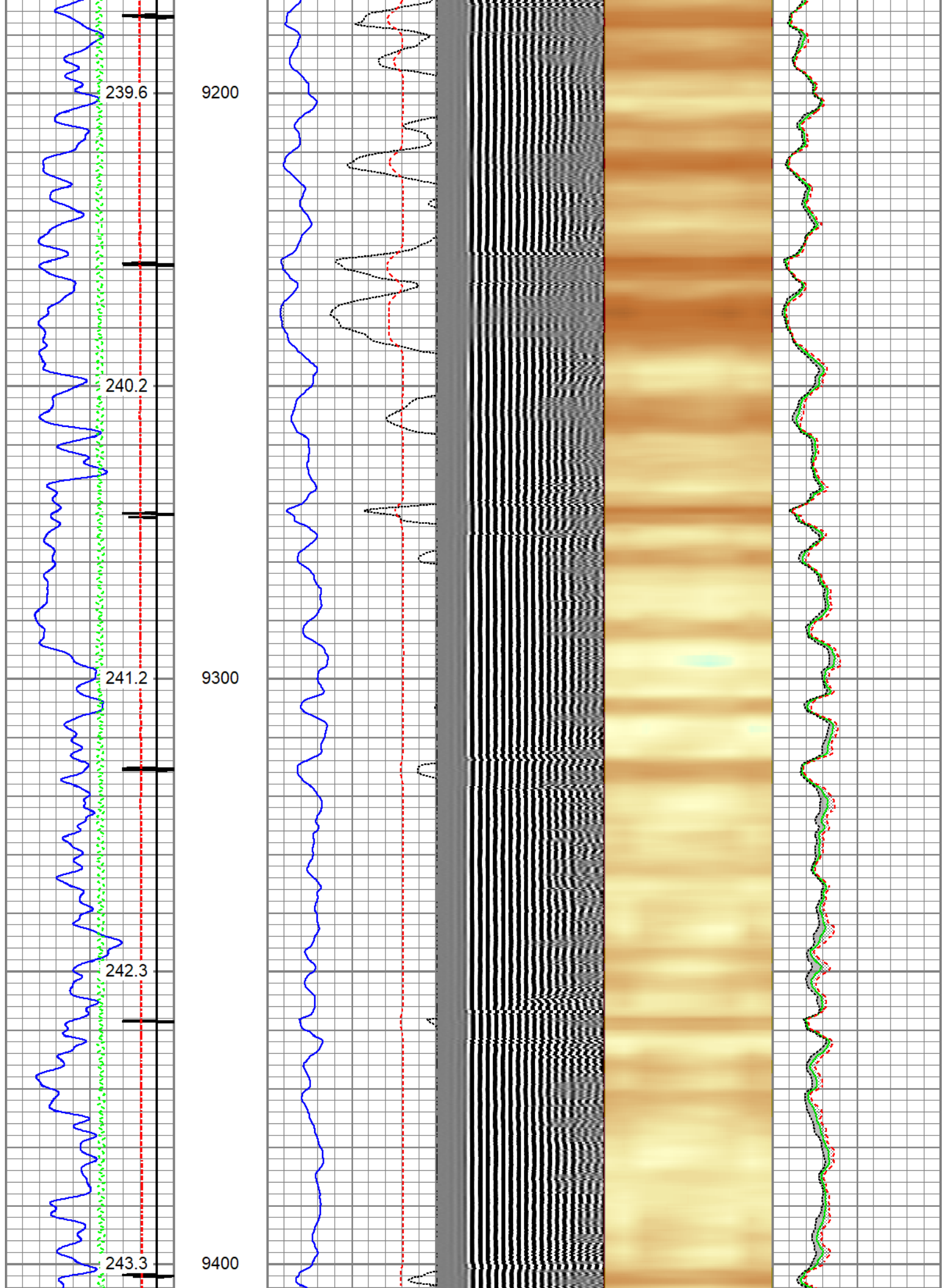


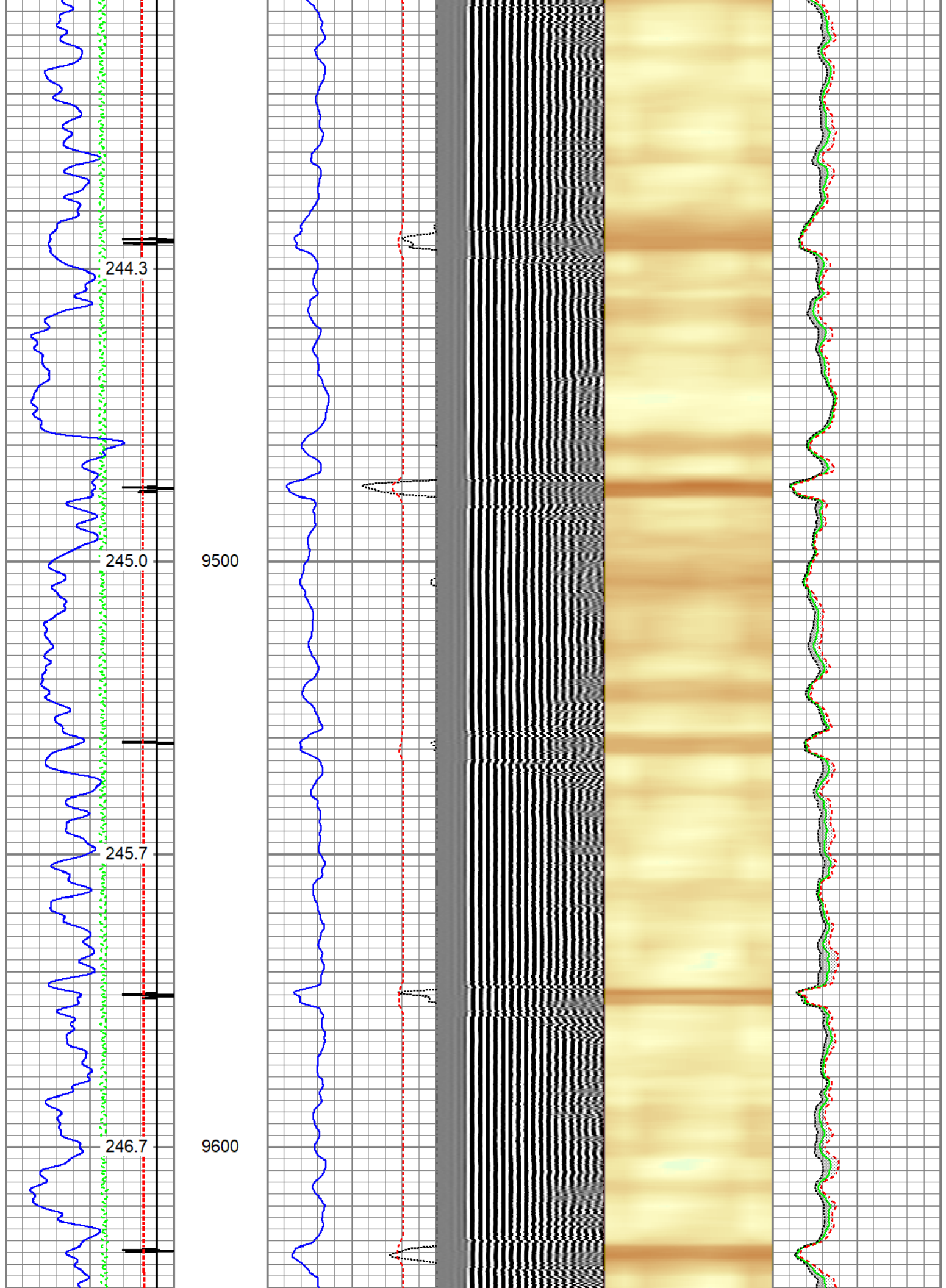




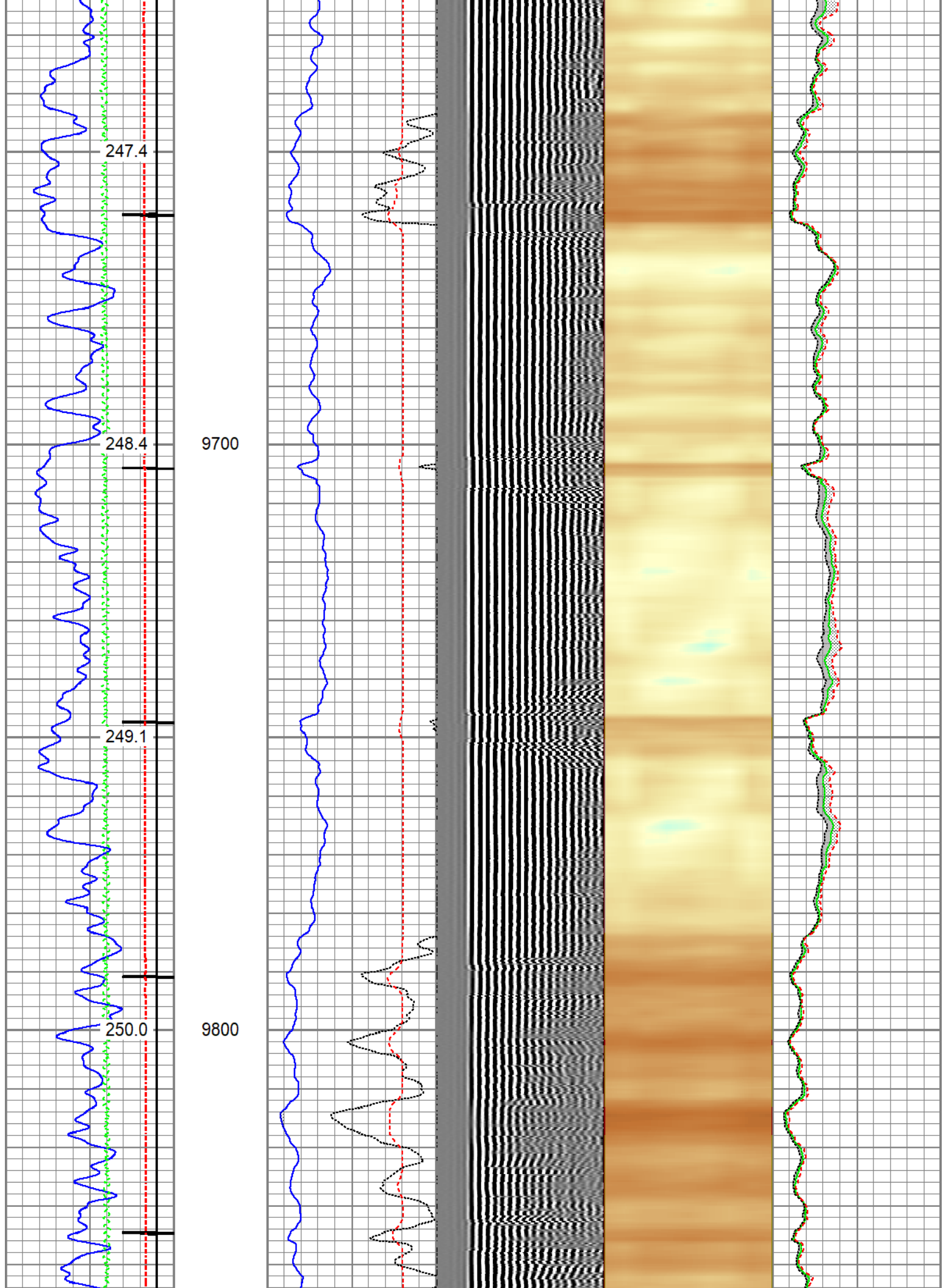


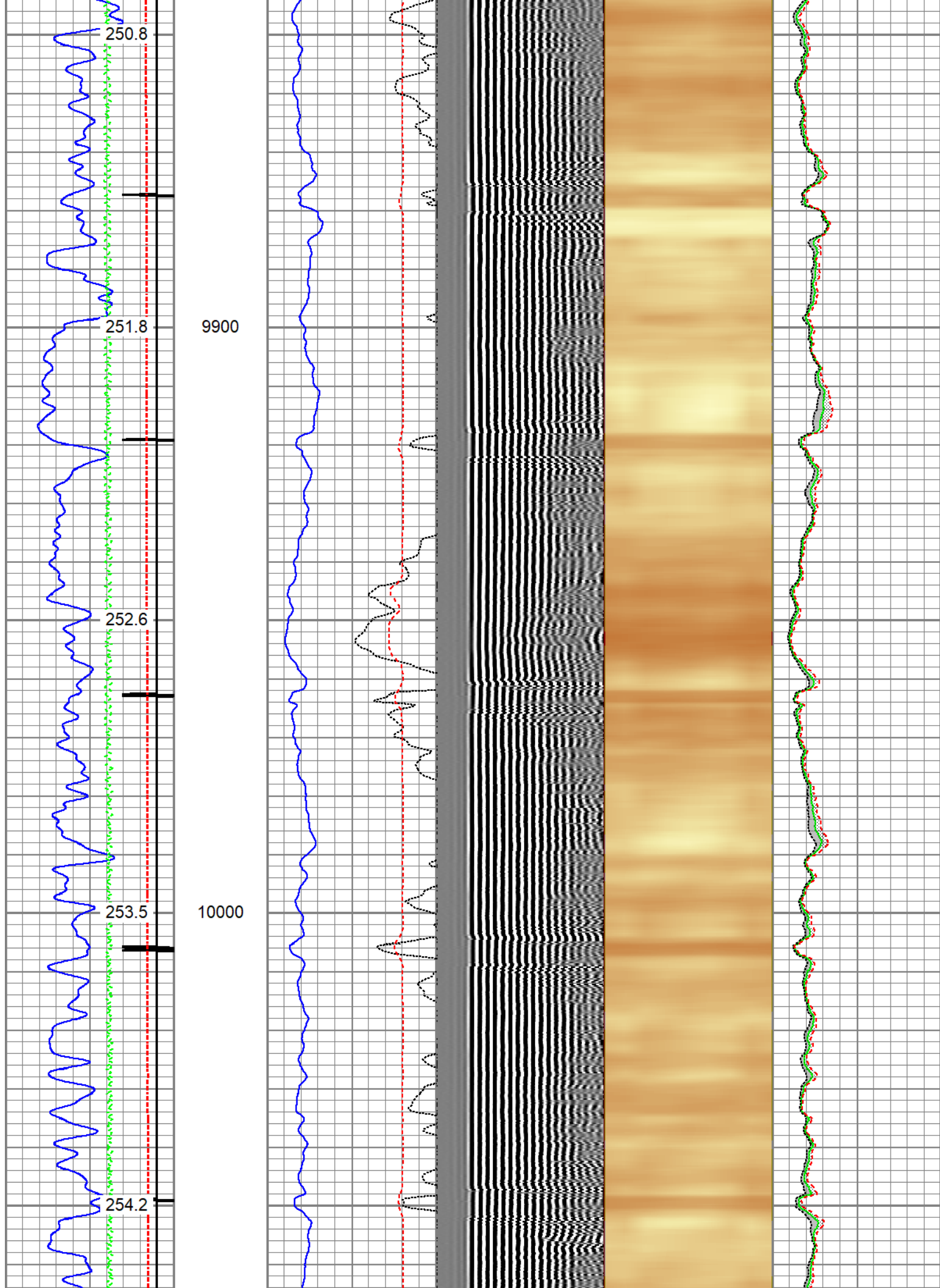


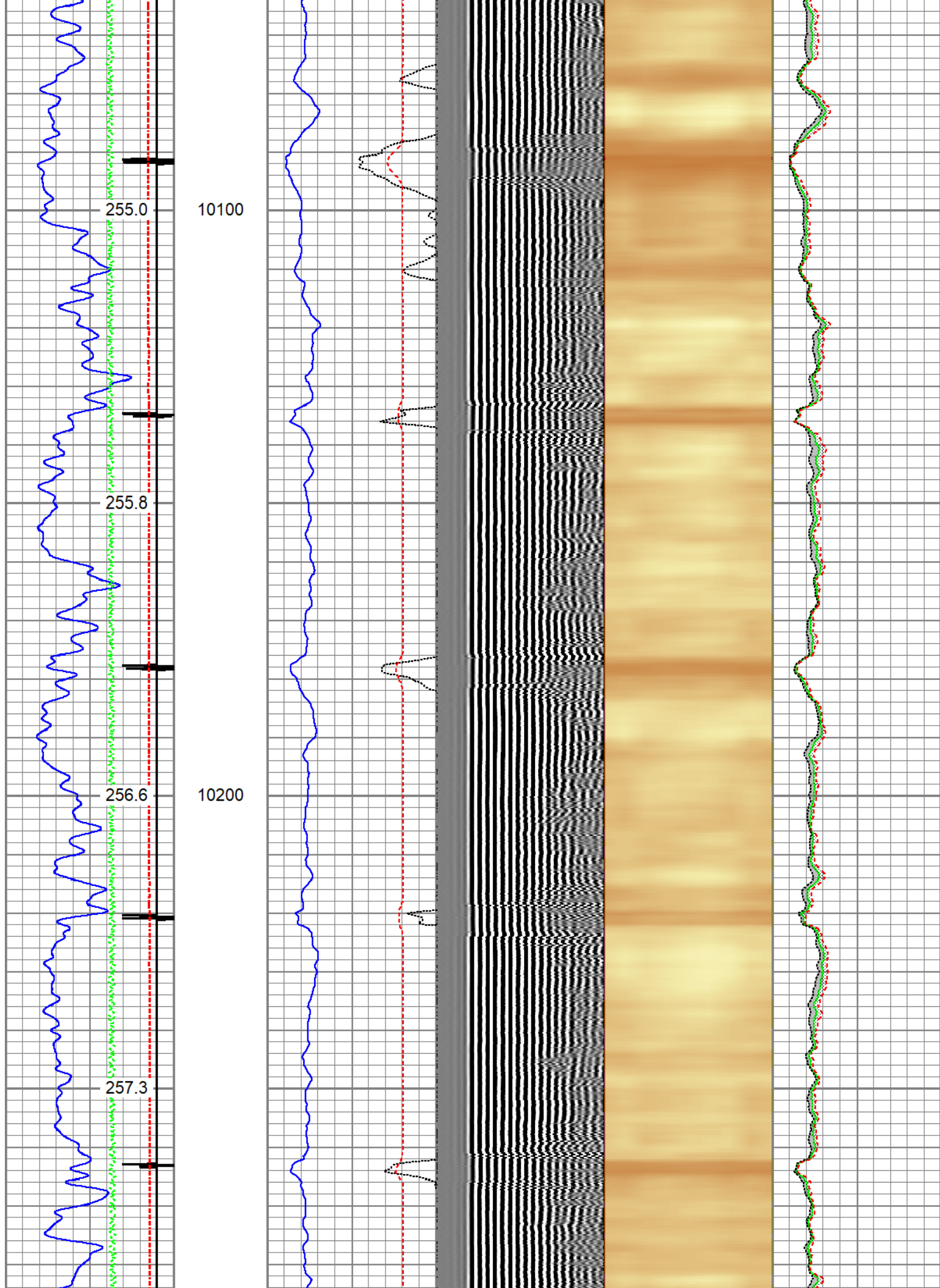




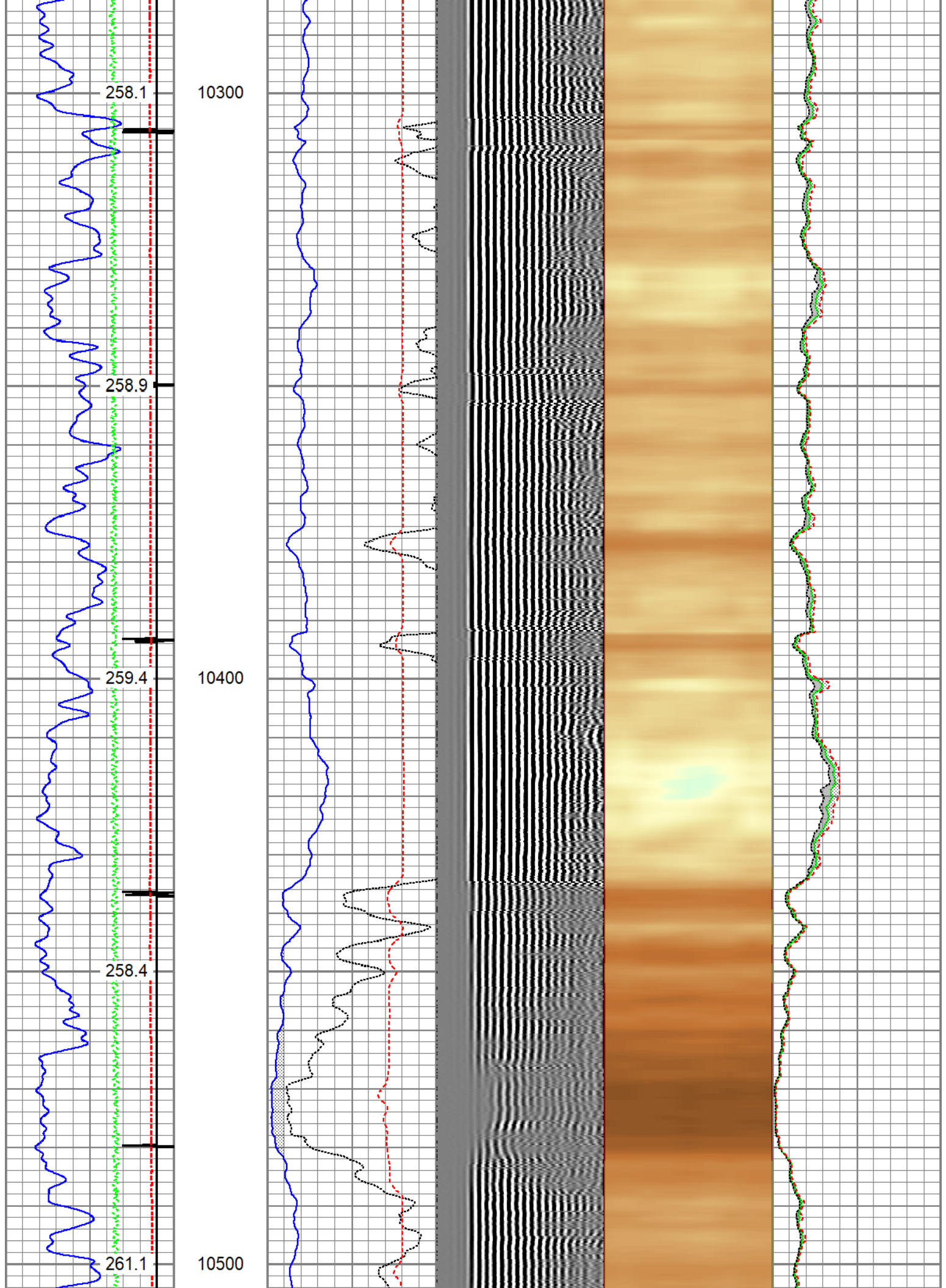


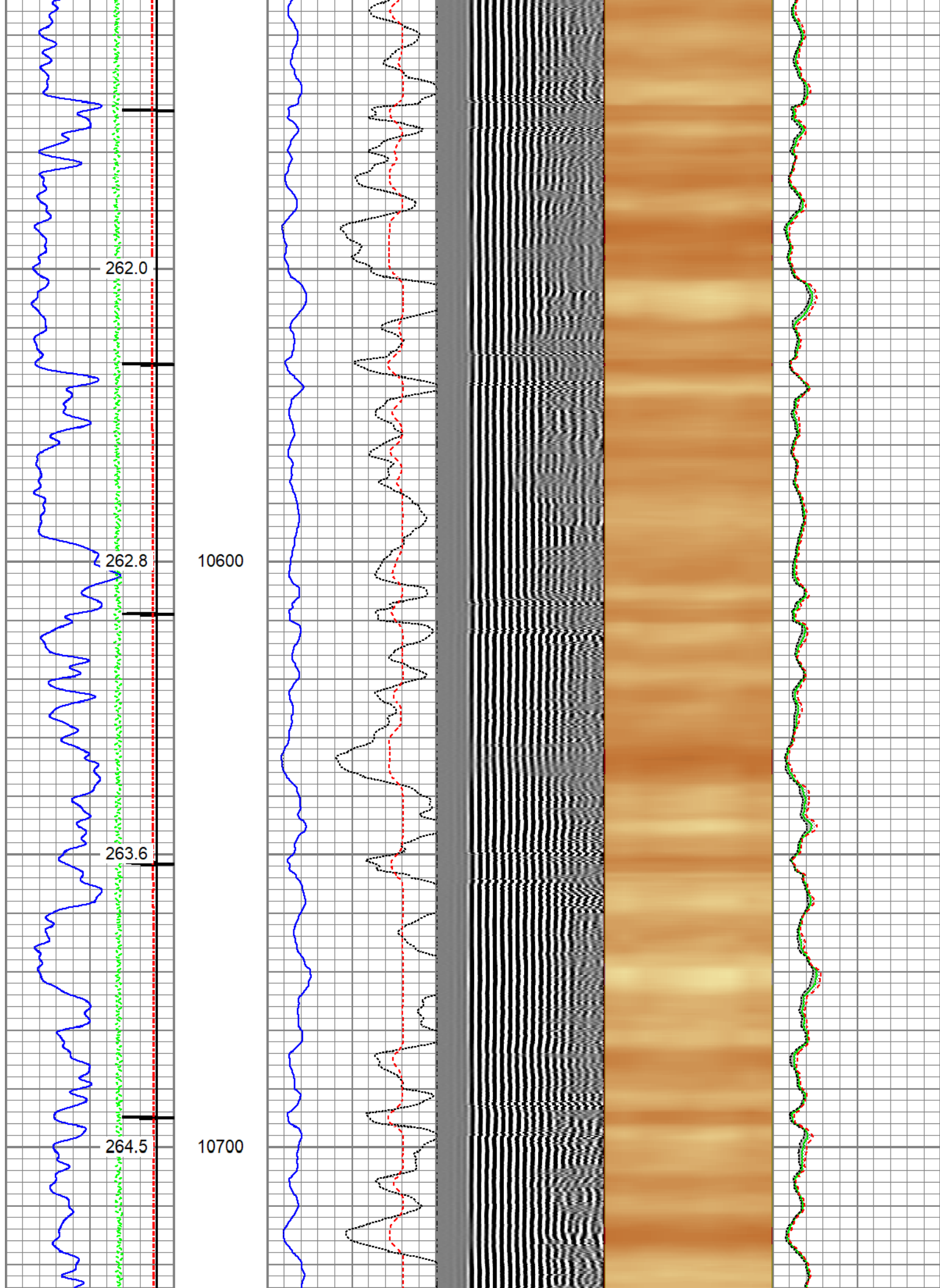


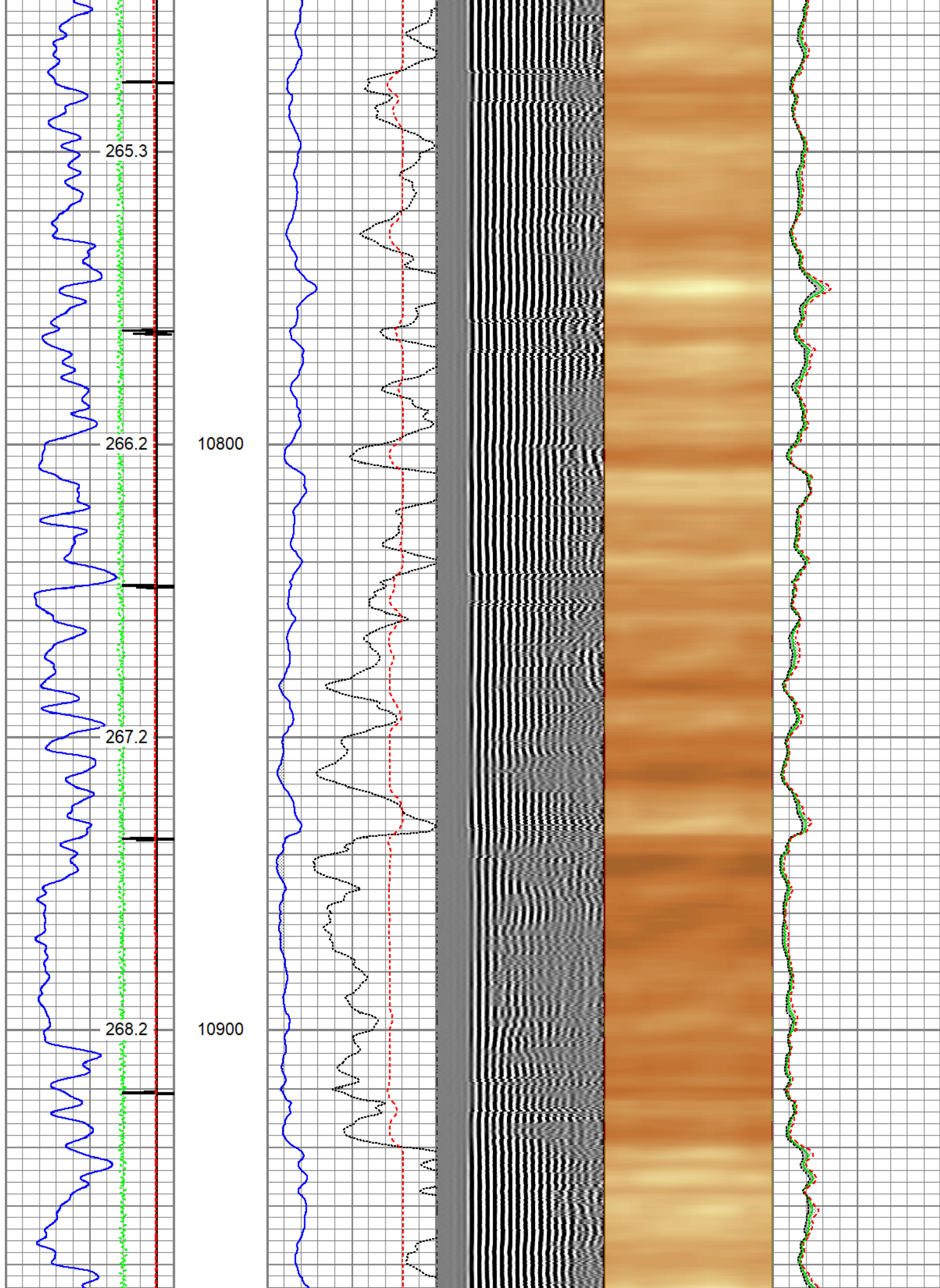




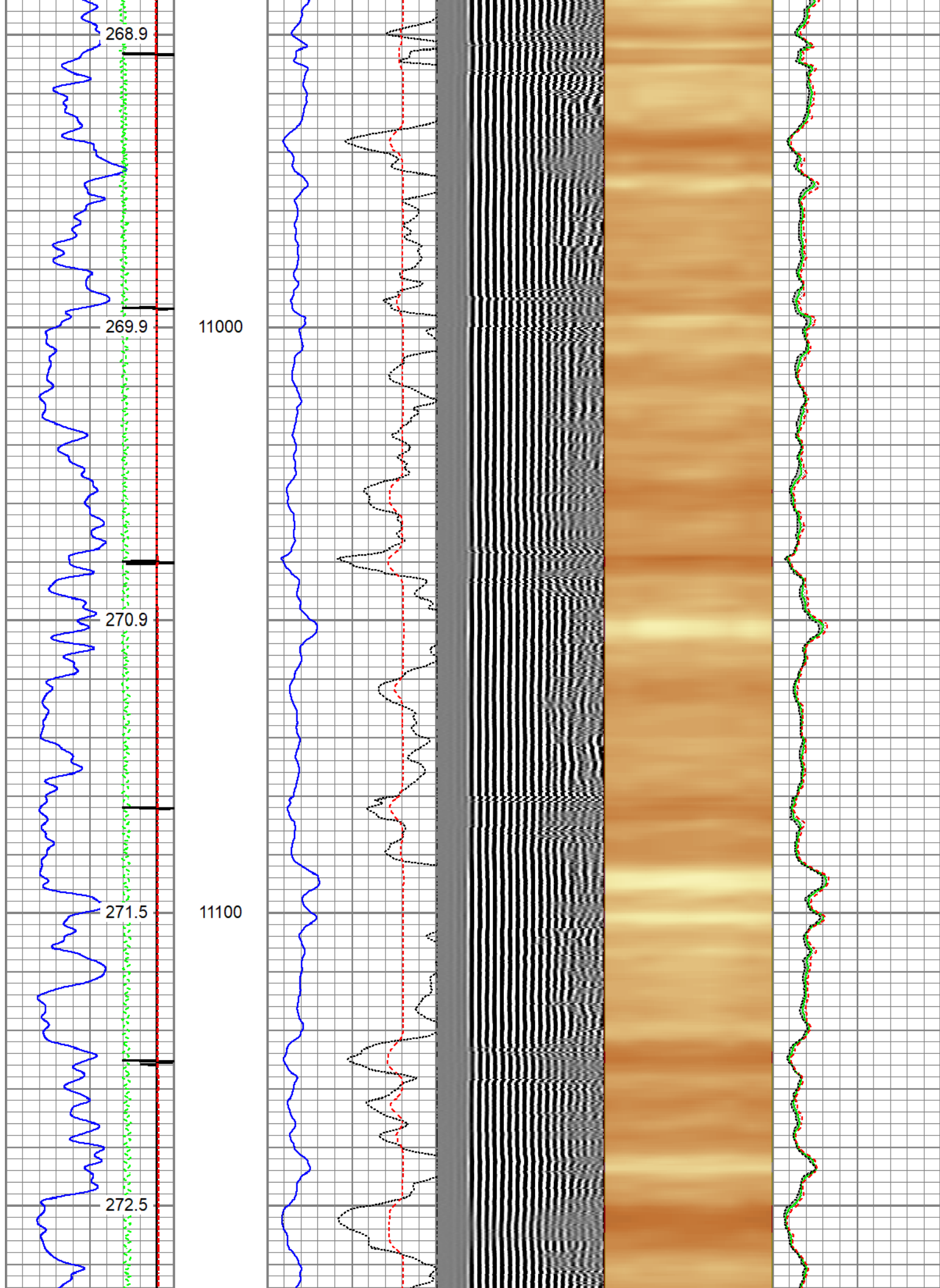


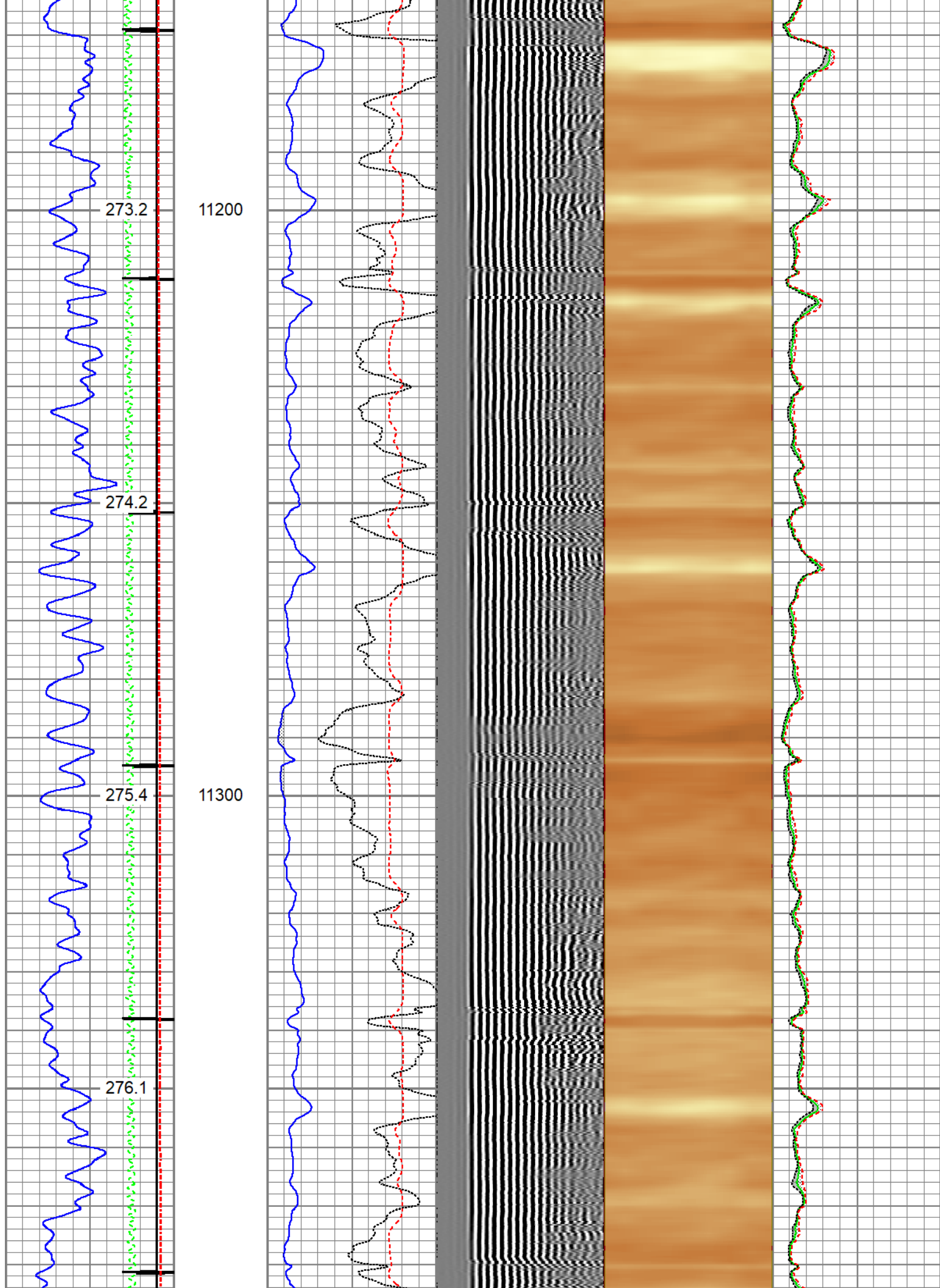


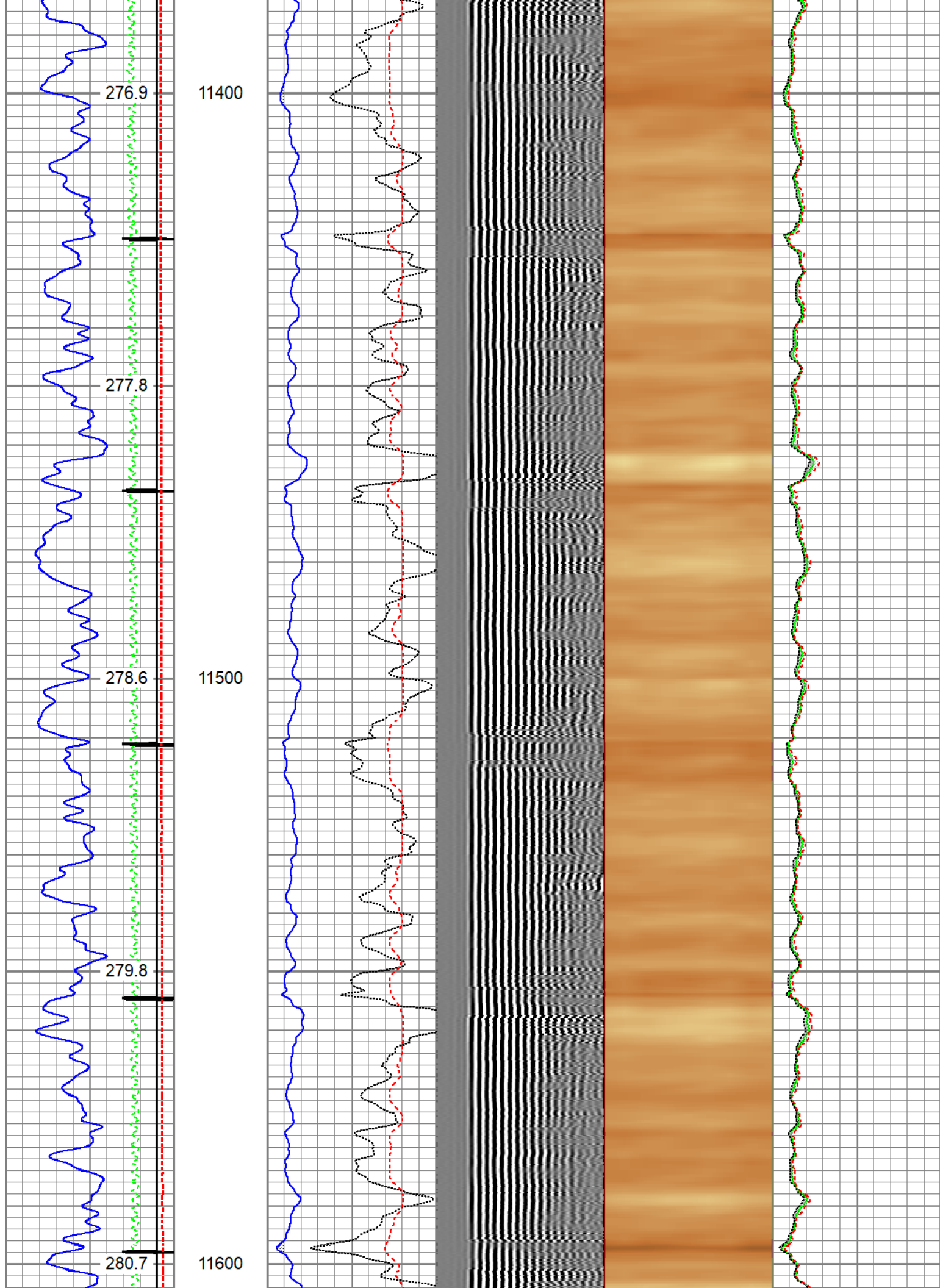




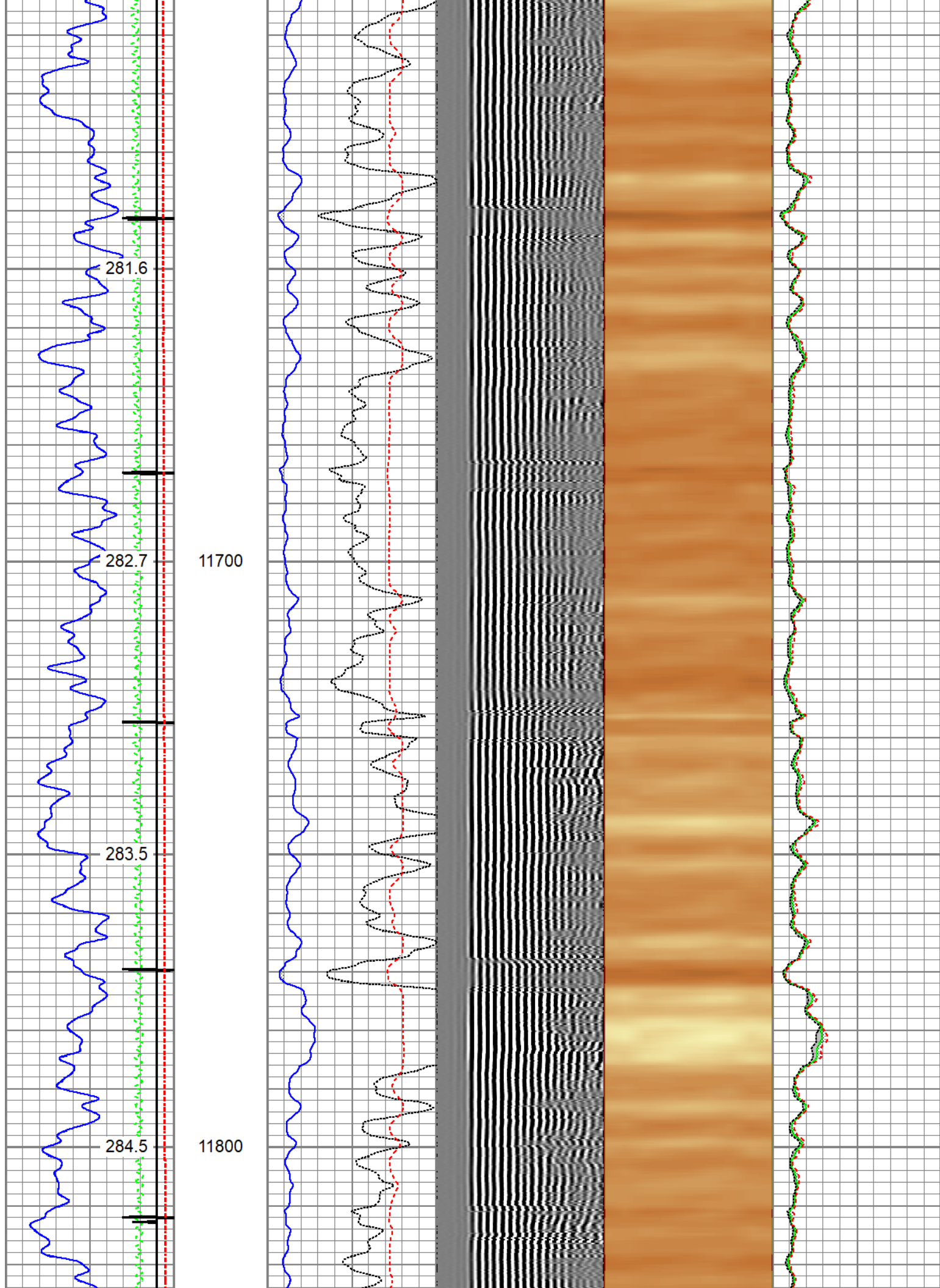


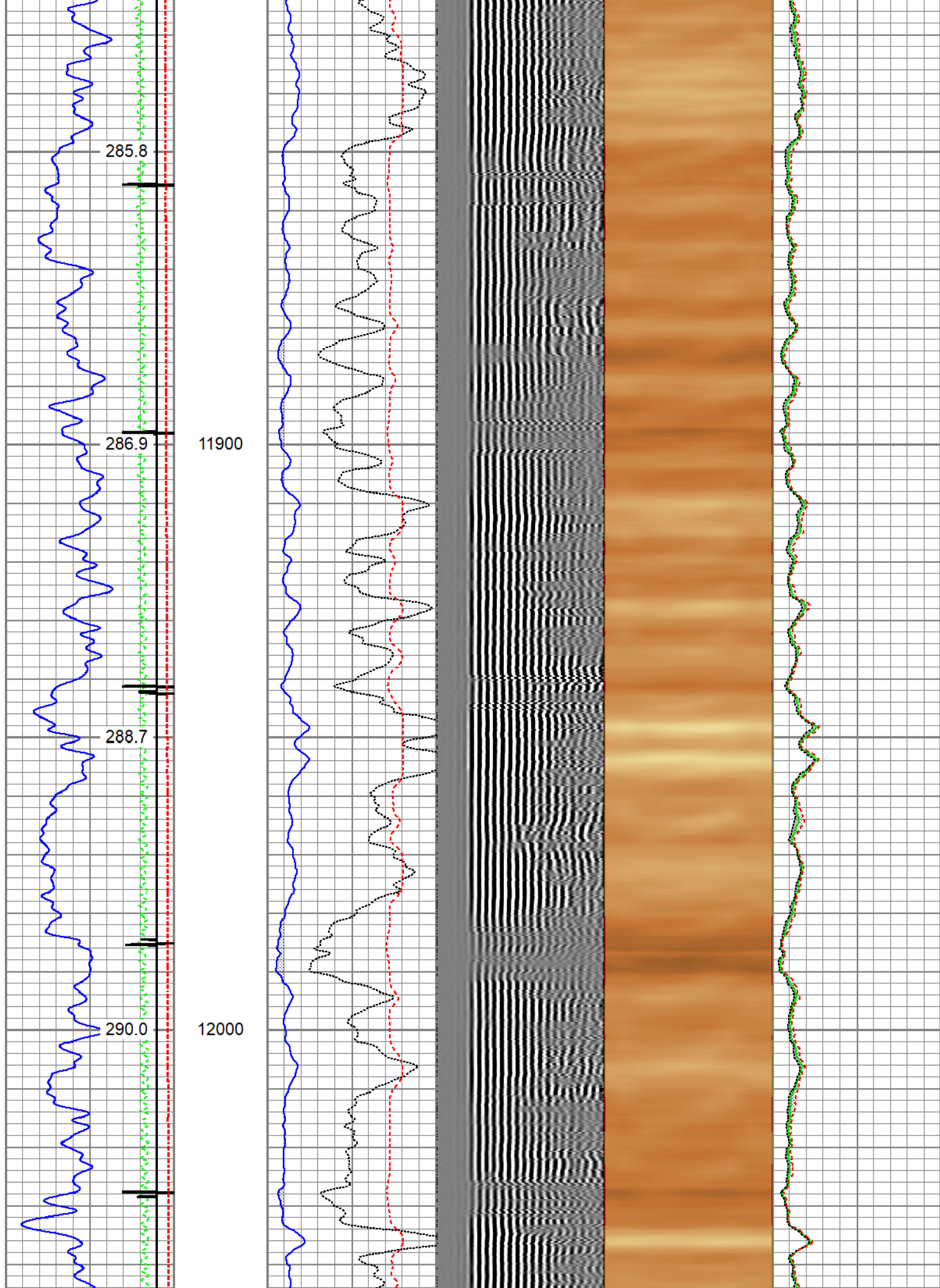


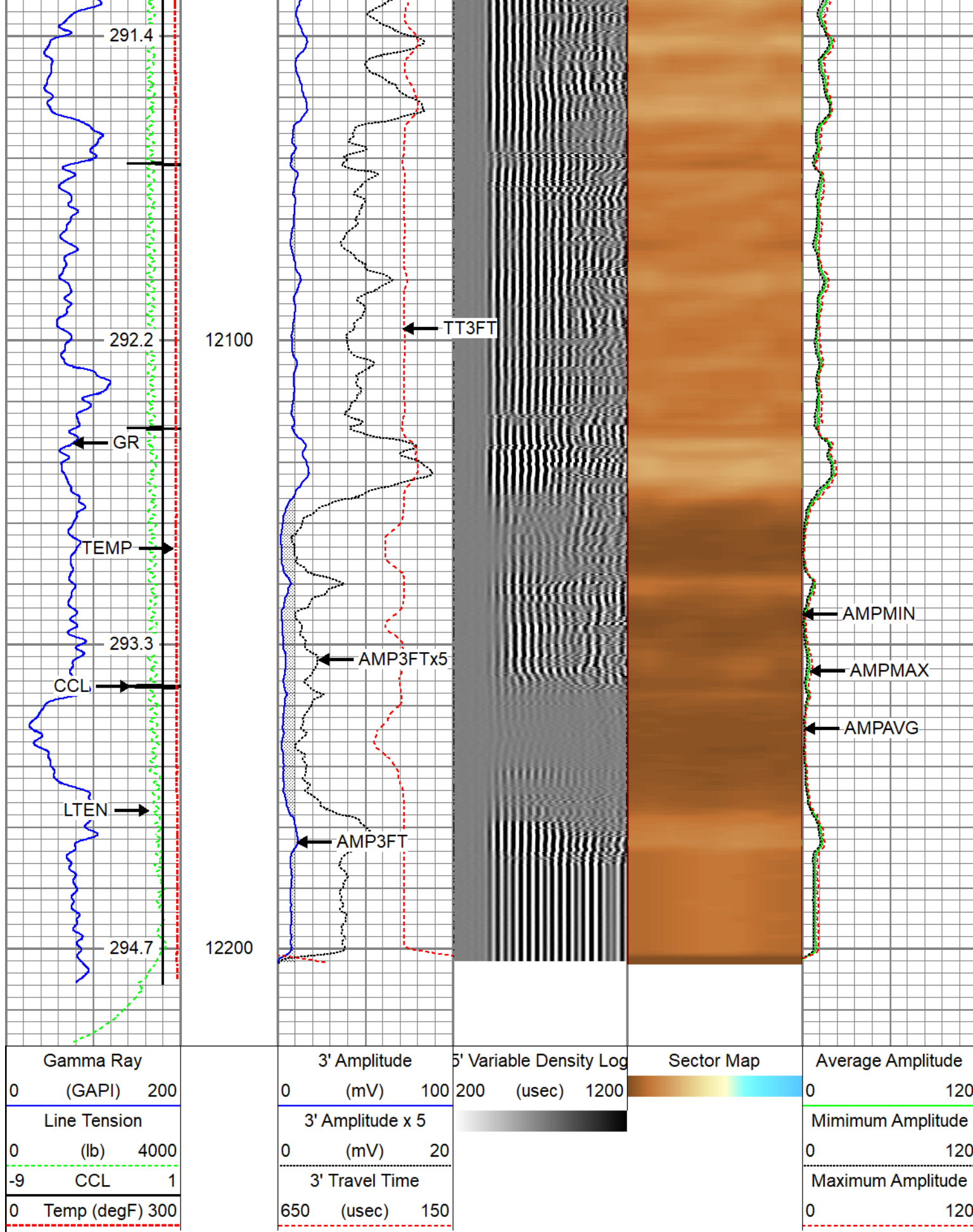








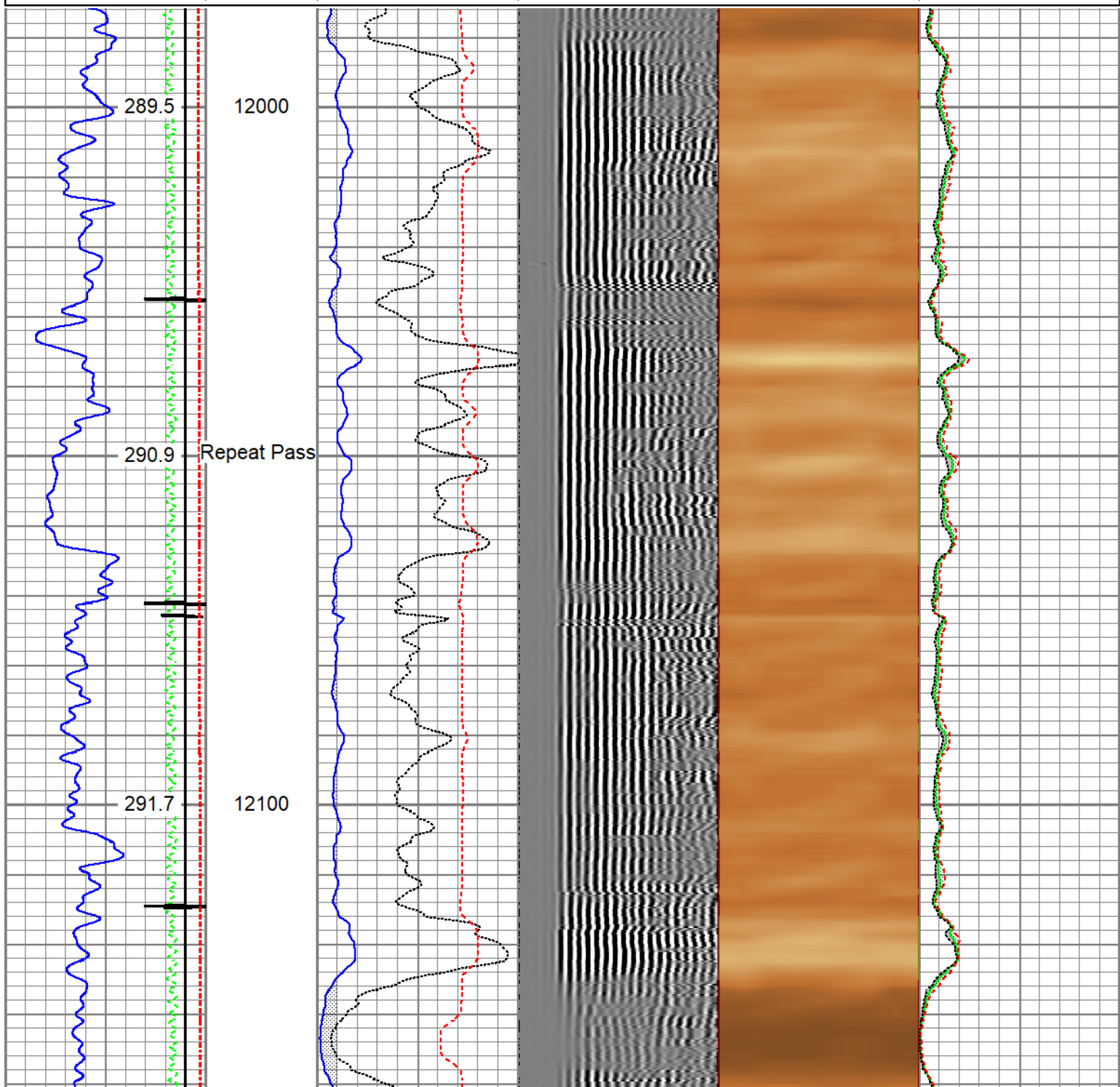


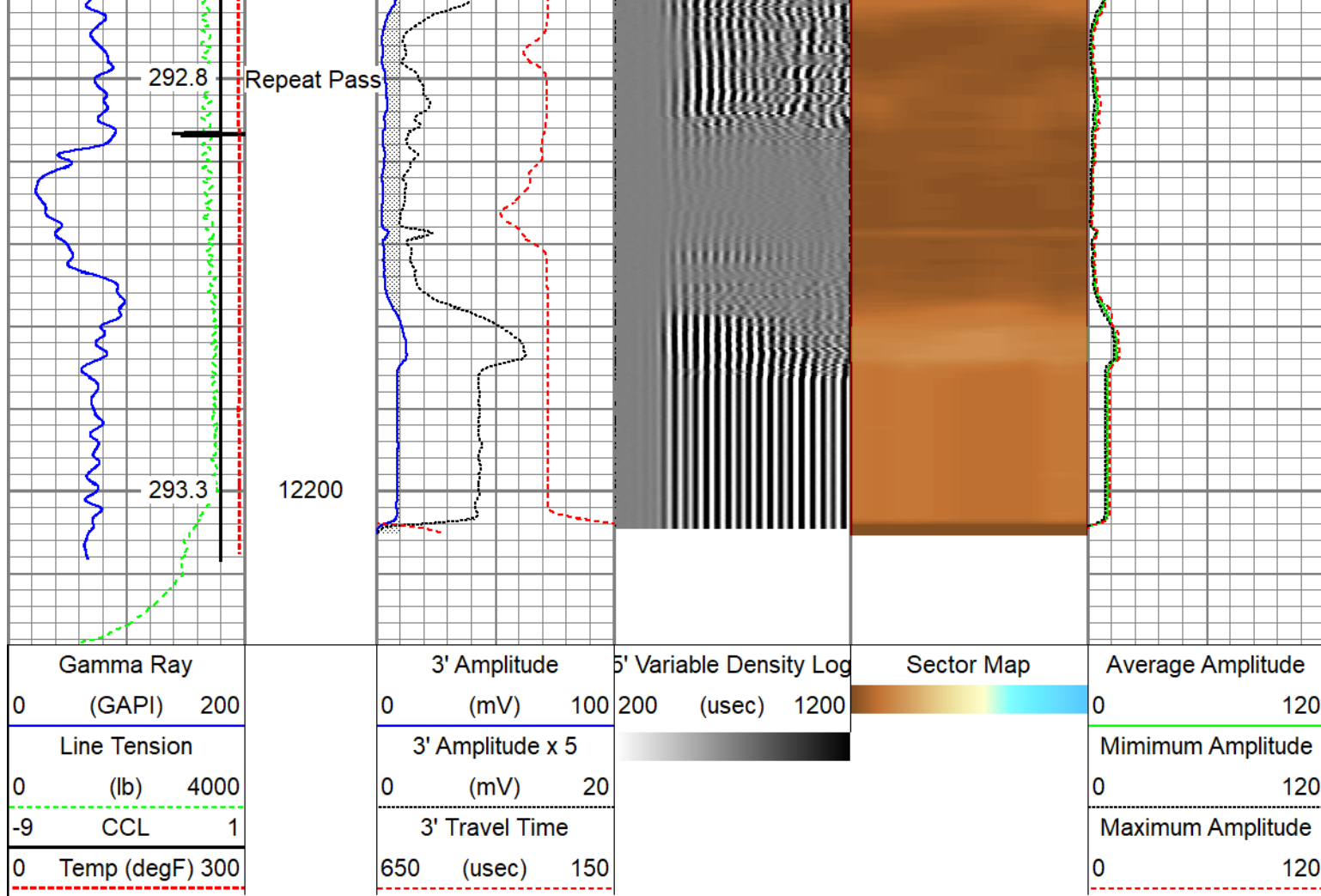




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 Dataset Pathname repeat  
 Presentation Format twgrcbl  
 Dataset Creation Fri Dec 23 14:04:47 2022  
 Charted by Depth in Feet scaled 1:240

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





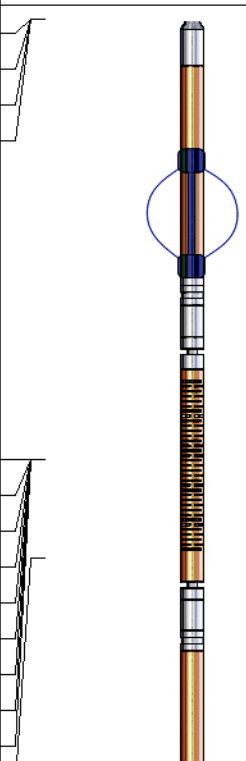
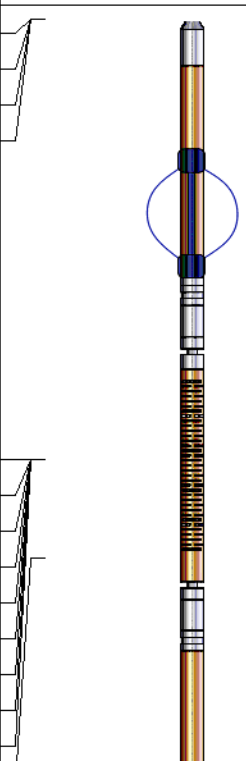
Calibration Report				
Database File	caerus_bju b26 fed 23d-26-496_rcbl-cnI_12-23-2022.db			
Dataset Pathname	main			
Dataset Creation	Fri Dec 23 14:11:40 2022			
Compensated Neutron Calibration Report				
Type / Serial:		275Dig / FW1409-35		
Source / Verifier:		/		
Temperature:				
SHOP CALIBRATION		Thu Mar 31 15:47:13 2022		
	Cal Tube	Units		
Tank Ratio		SS/LS		
Tank Porosity		pu		
LS Detector		cps		
SS Detector		cps		
Tool Ratio		SS/LS		
Tool Porosity		pu		
Tool Constant =				
Field Verifier	SS Detector	LS Detector	Ratio	Porosity
PRE-SURVEY VERIFICATION				
	SS Detector	LS Detector	Ratio	Porosity

POST-SURVEY VERIFICATION						
	SS Detector		LS Detector		Ratio	Porosity
Gamma Ray Calibration Report						
Serial Number:	110255					
Tool Model:	GCTacc_6-Pin-Base					
Performed:	Thu Sep 22 15:12:49 2022					
Calibrator Value:	165.0	GAPI				
Background Reading:	72.3	cps				
Calibrator Reading:	300.9	cps				
Sensitivity:	0.7216	GAPI/cps				
Inclinometer Calibration Report						
Performed:	Thu Sep 22 15:14:31 2022					
	Low Read.	High Read.	Low Ref.		High Ref.	
X Accelerometer	-910.00	1566.00	-1.00		1.00	gee
Y Accelerometer	-989.00	1748.00	-1.00		1.00	gee
Z Accelerometer	1.02	-895.47	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:	38.237	ft				
Master Calibration, performed Thu Dec 22 08:35:22 2022:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.006	0.750	0.800	81.196	108.042	0.130
CAL	0.002	0.760				
5'	0.015	0.701	0.800	81.196	117.073	-0.921
SUM						
S1	0.007	0.754	0.000	100.000	134.009	-1.003
S2	0.007	0.757	0.000	100.000	133.390	-0.985
S3	0.006	0.767	0.000	100.000	131.461	-0.782
S4	0.007	0.761	0.000	100.000	132.784	-0.989
S5	0.009	0.755	0.000	100.000	133.981	-1.204
S6	0.006	0.747	0.000	100.000	135.070	-0.838
S7	0.007	0.752	0.000	100.000	134.071	-0.884
S8	0.007	0.743	0.000	100.000	135.879	-0.912
Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	



	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.002	0.760	1.000	0.000
Air Zero Calibration, performed Thu Dec 22 08:34:24 2022:						
	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	19.32		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
mSec_Count	19.32					
RBT_Status	19.32					
Error_Ct	19.32					
WVFS8	14.82		RBT8acc-Probe275acc (FW1311-19) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS7	14.82					
WVFS6	14.82					
WVFS5	14.82					
WVFS4	14.82					
WVFS3	14.82					
WVFS2	14.82					
WVFS1	14.82					
WVF3FT	14.82					

[illegible]