



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company		Caerus Piceance LLC.		Company		Caerus Piceance LLC.	
Well		BJU B26 Fed 13B-26-496		Well		BJU B26 Fed 13B-26-496	
Field		Grand Valley		Field		Grand Valley	
County		Garfield		County		Garfield	
State		Colorado		State		Colorado	
Country		USA		Country		USA	
Location:		API # : 05-045-24435		Other Services		CNL	
SEC 26 TWP 4S RGE 96W		Elevation 8211'		Permanent Datum		Ground Level	
Log Measured From		Kelly Bushing		Log Measured From		Kelly Bushing	
Drilling Measured From		Kelly Bushing		Drilling Measured From		Kelly Bushing	
Date		23-DEC-2022		Run Number		One	
Depth Driller		12064 FT		Depth Logger		11914 FT	
Bottom Logged Interval		11901 FT		Top Log Interval		Surface	
Open Hole Size		8.750"		Type Fluid		Fresh Water	
Density / Viscosity		8.34 lb/gal		Max. Recorded Temp.		300° F	
Estimated Cement Top		See Log		Time Well Ready		ROA	
Time Logger on Bottom		7:42		Equipment Number		8045	
Location		Grand Junction Colo		Recorded By		P. Edwards	
Witnessed By		Z. Fisher		Borehole Record		Tubing Record	
Run Number		Bit		From		To	
8.75"		Surface		12064 FT			
Casing Record		Size		Wgt/Ft		Top	
Surface String		9.625"		36		Surface	
Prot. String		4.5"		11.6		Surface	
Production String							
Liner							

<<<< Fold Here >>>>

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 8045 FT - 8055 FT  
Log ran from 11901 FT to Surface  
Log ran with 0 PSI surface induced pressure.

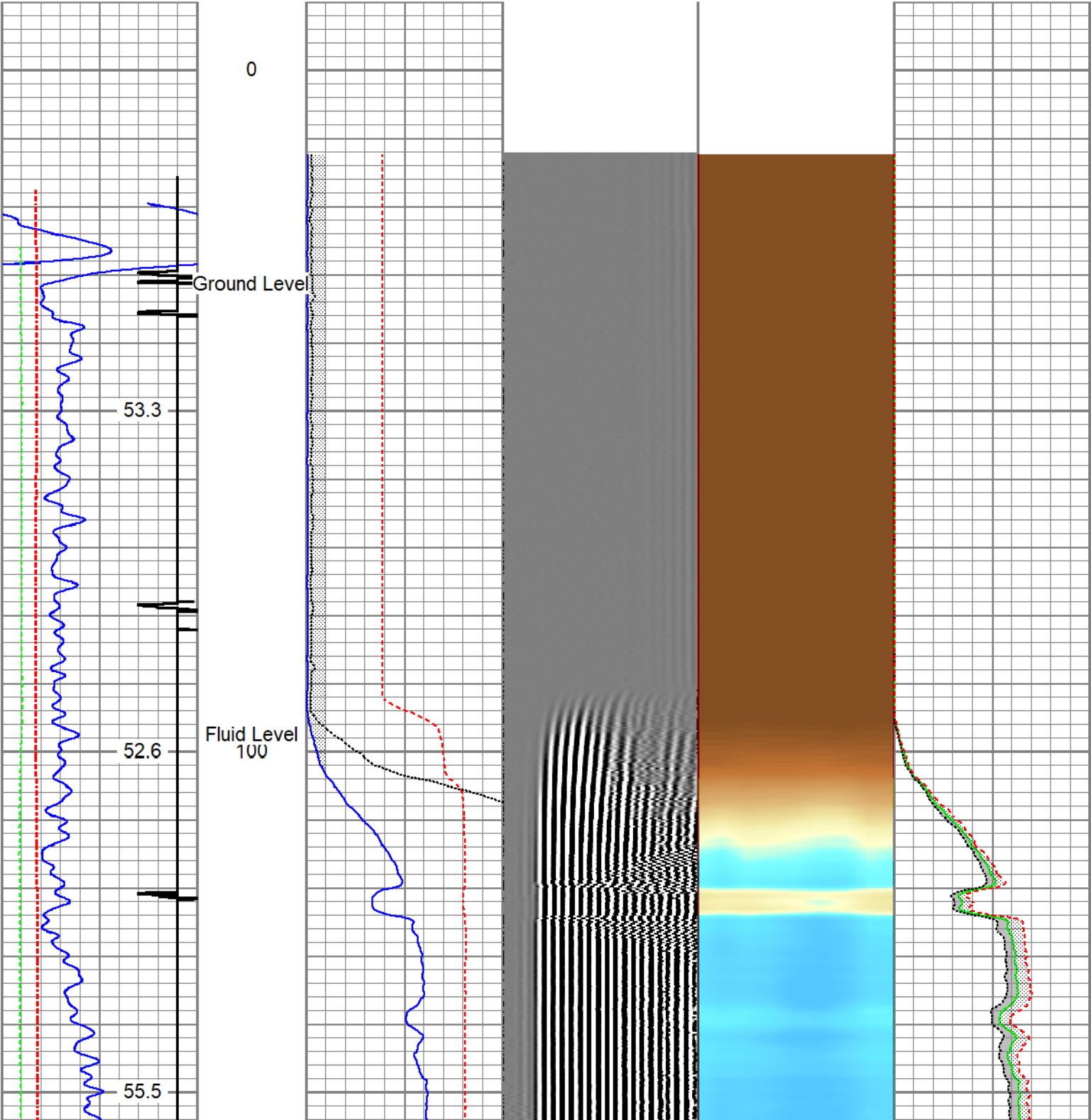
Thank you for choosing The Wireline Group!!!

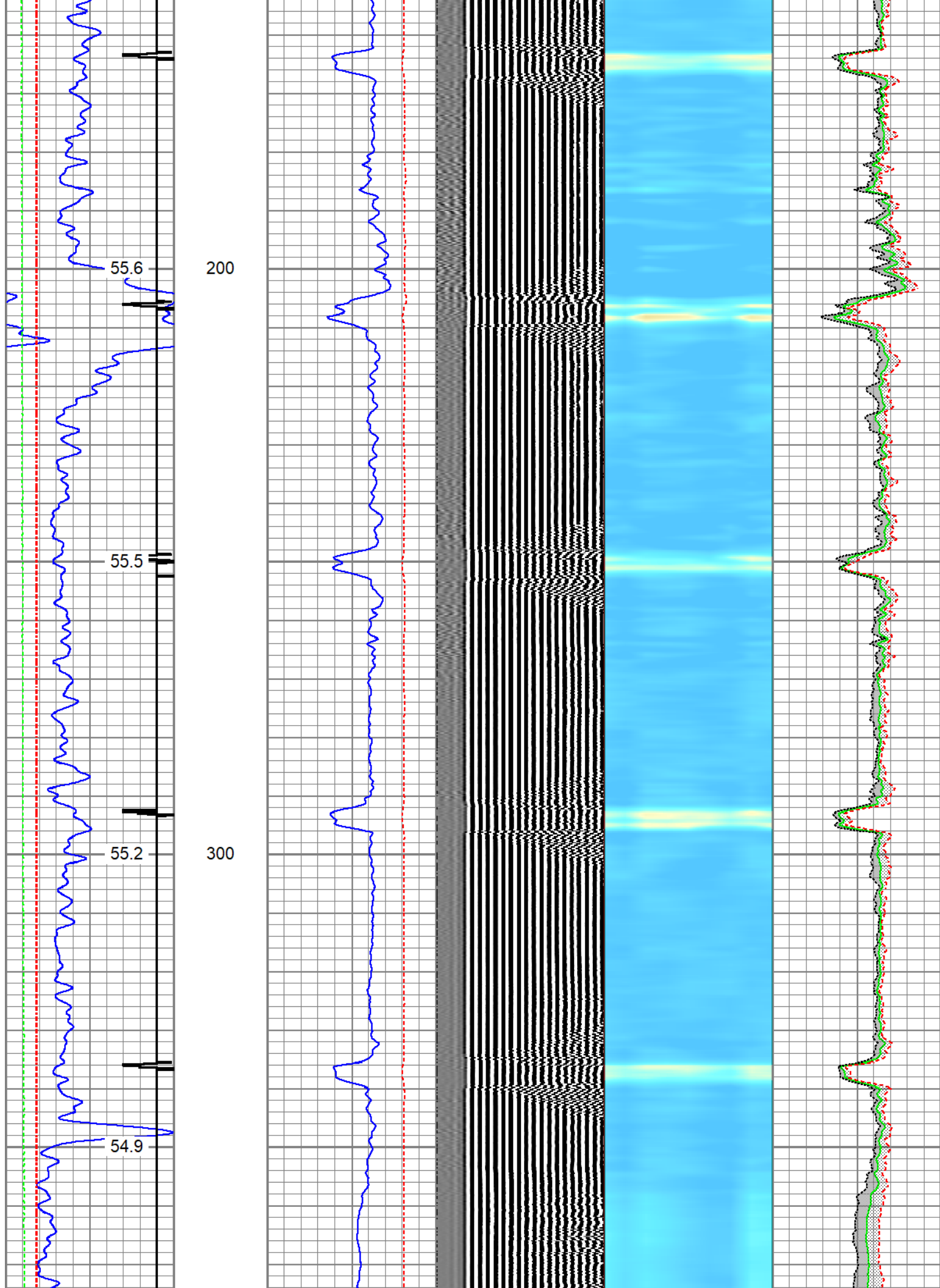


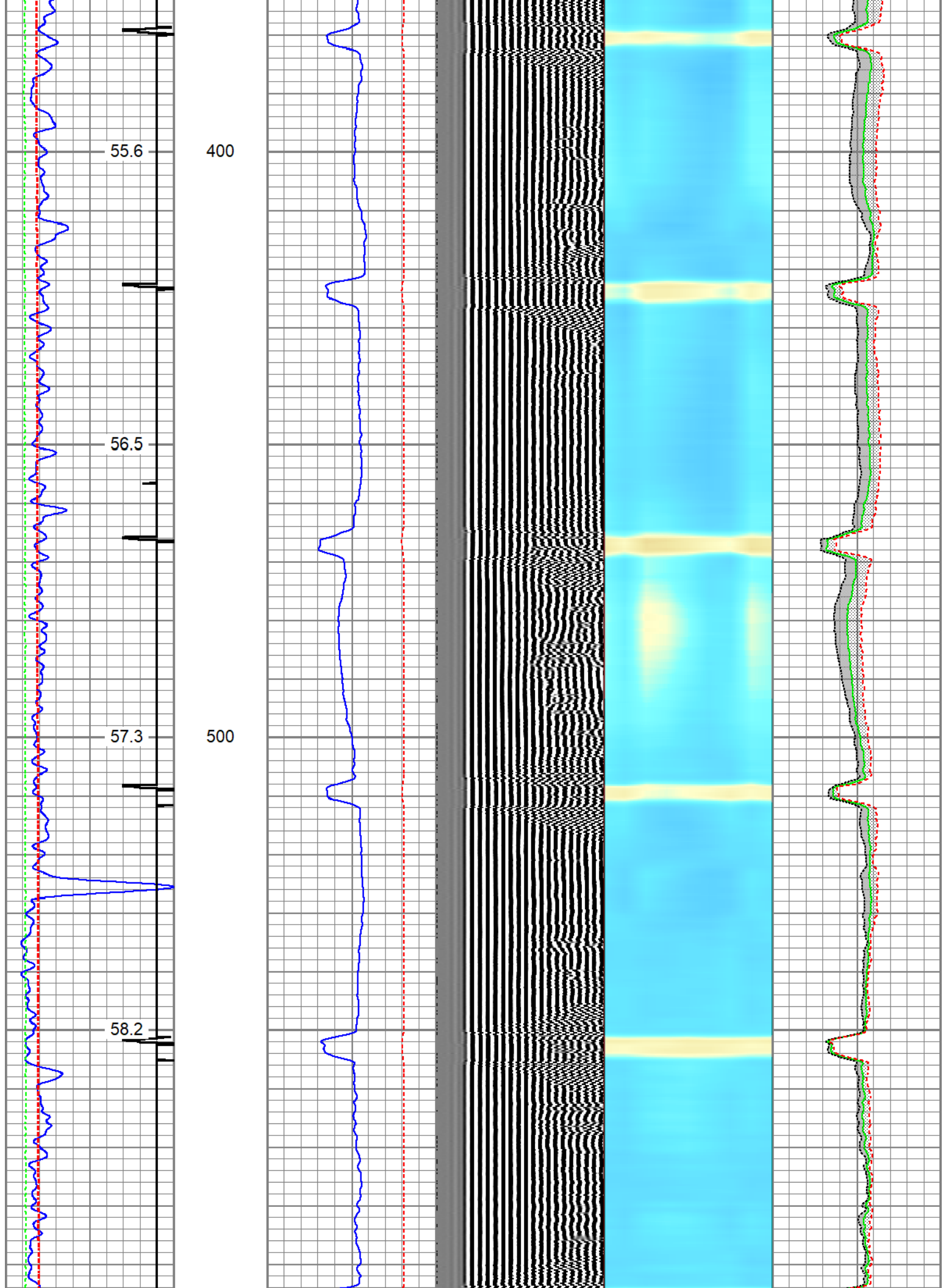
Main Pass 5" = 100'

Database File caerus\_bju b26 fed 13b-26-496\_rcbl-cnl\_12-23-2022.db  
Dataset Pathname main  
Presentation Format twgrcbl  
Dataset Creation Fri Dec 23 07:42:02 2022  
Charted by Depth in Feet scaled 1:240

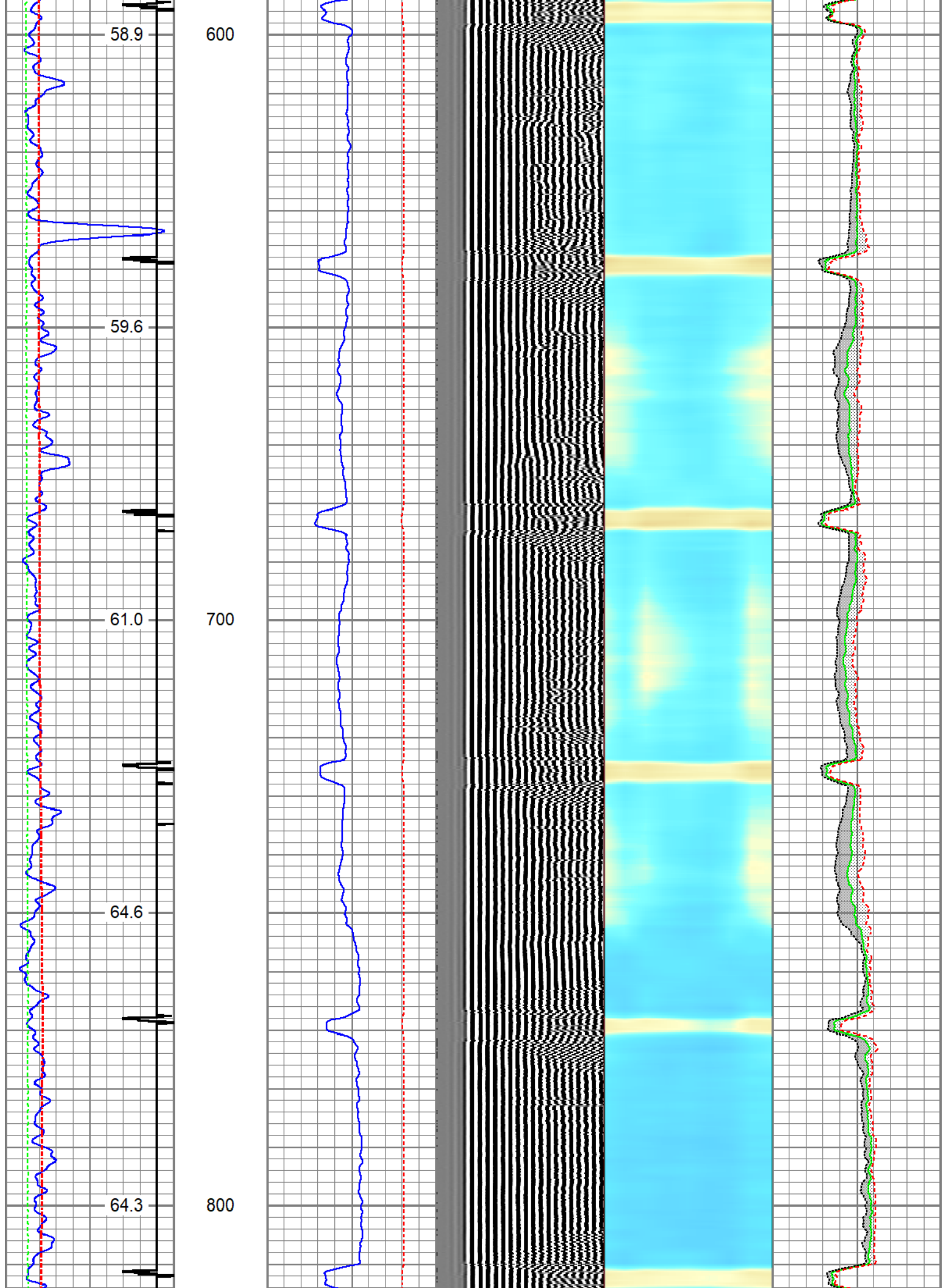
Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 200		0 (mV) 100	200 (usec) 1200		0 120
Line Tension		3' Amplitude x 5			Minimum Amplitude
0 (lb) 3000		0 (mV) 20			0 120
-9 CCL 1		3' Travel Time			Maximum Amplitude
0 Temp (degF) 300		650 (usec) 150			0 120

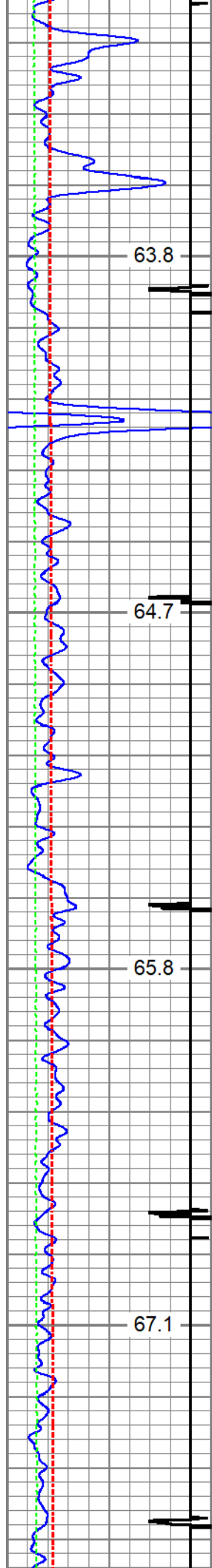






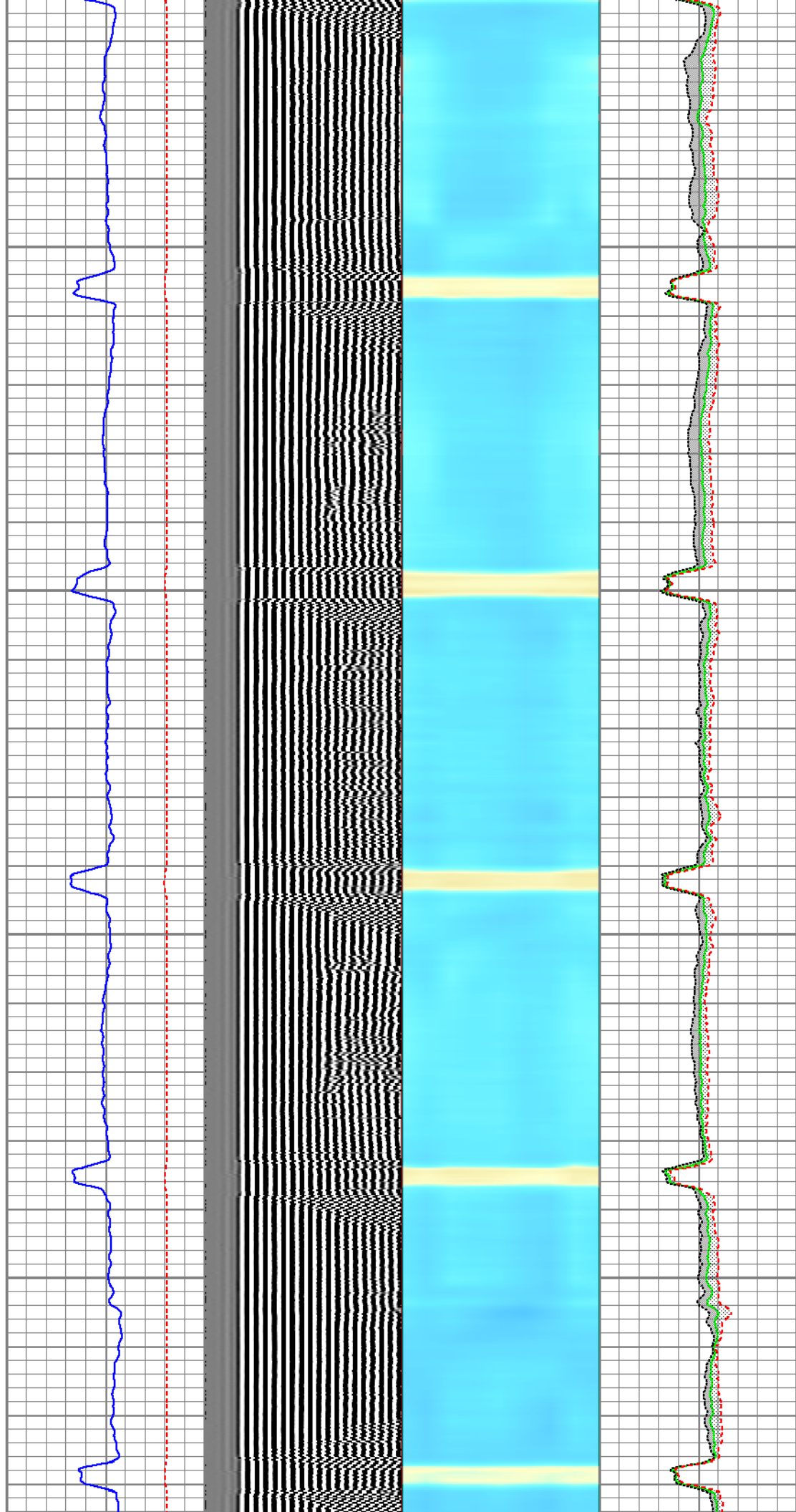


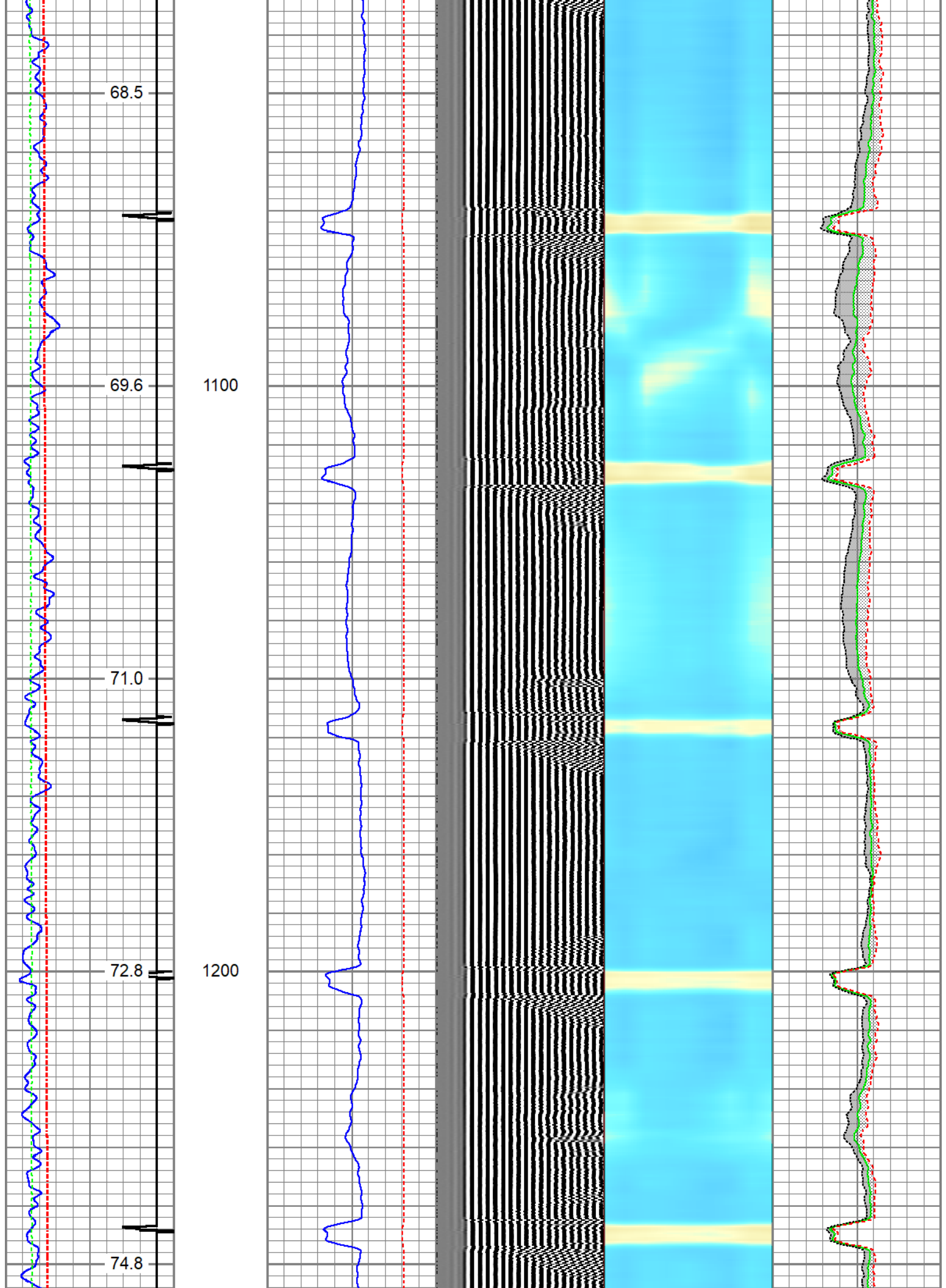


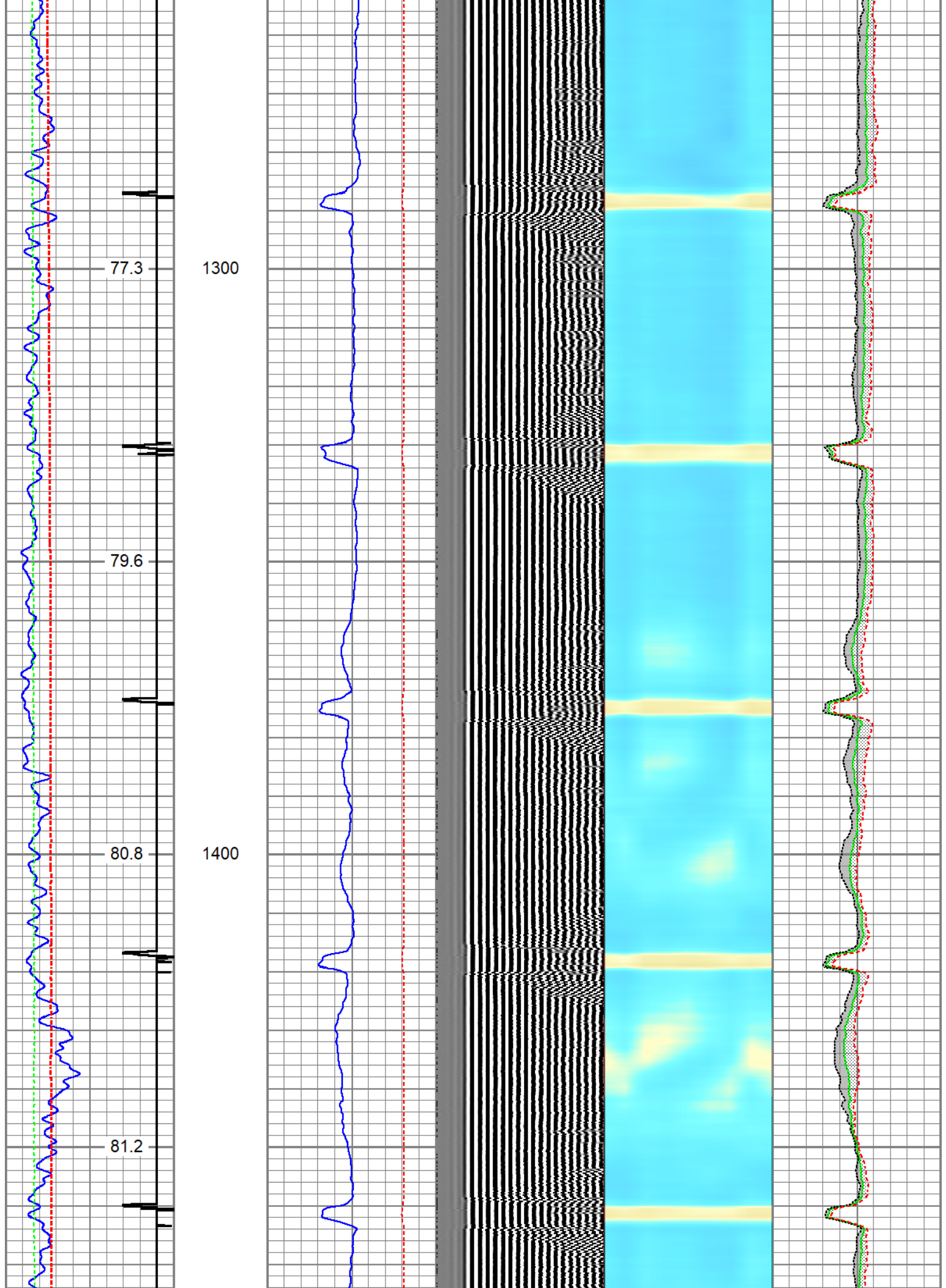


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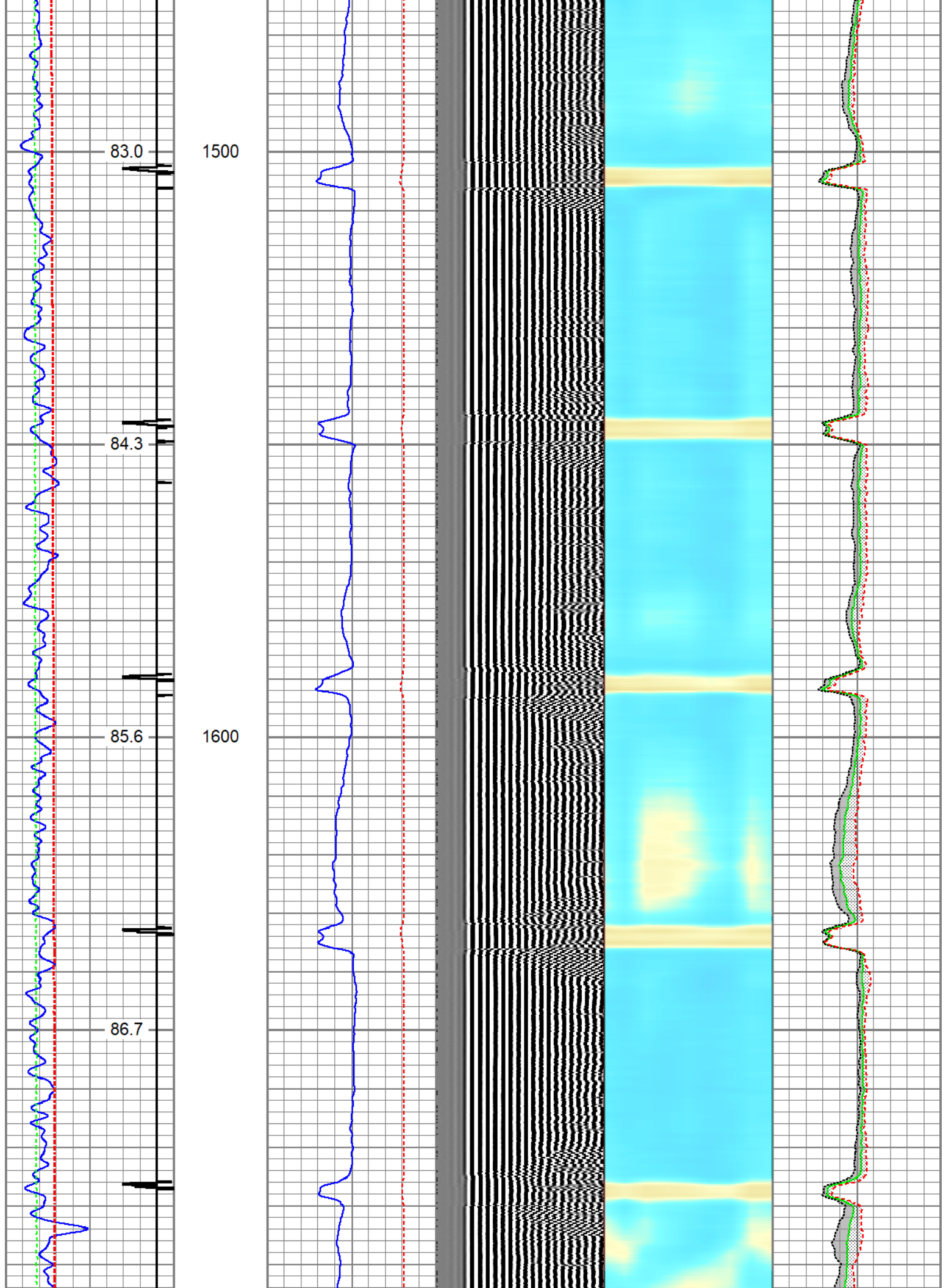
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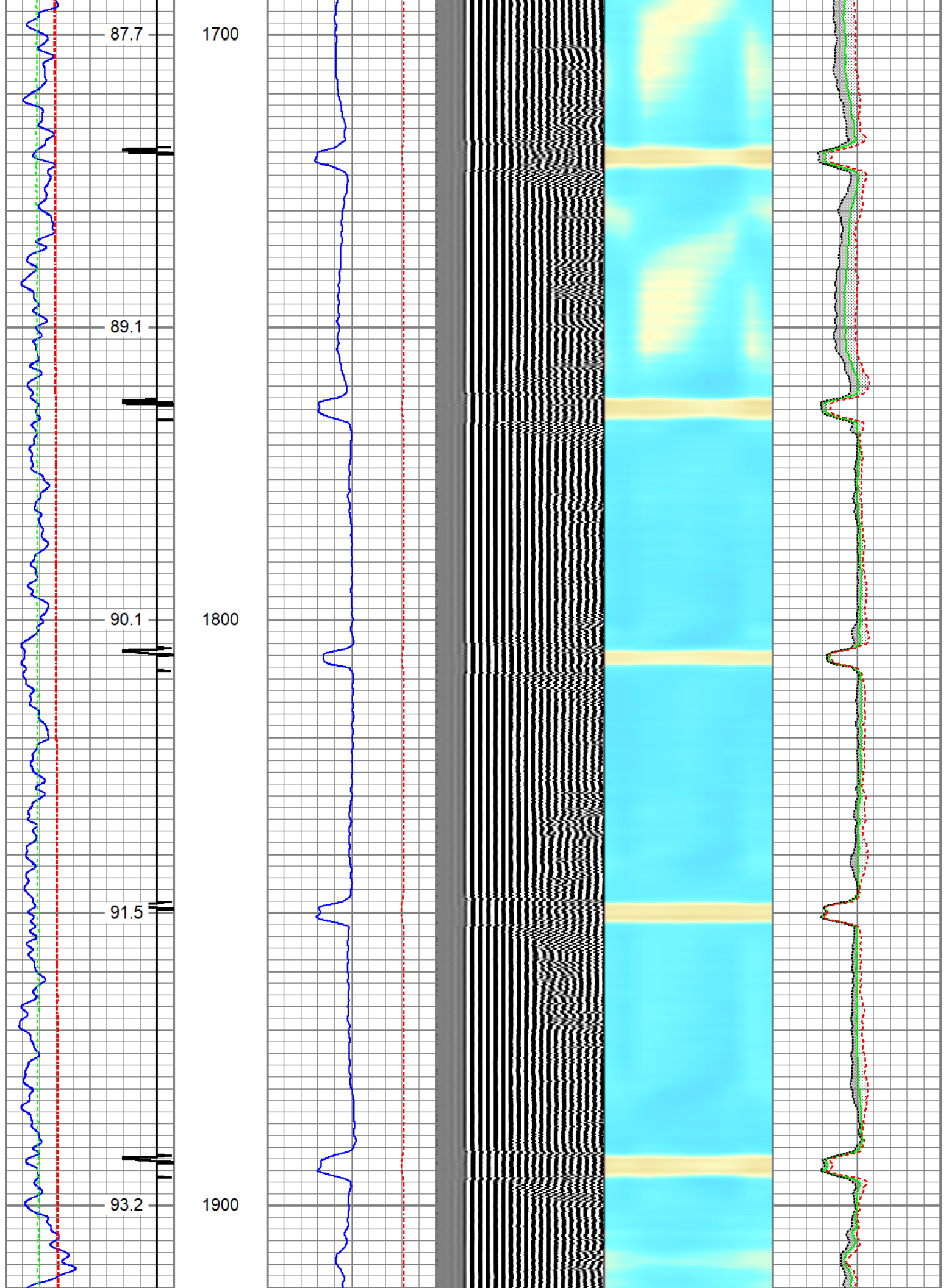


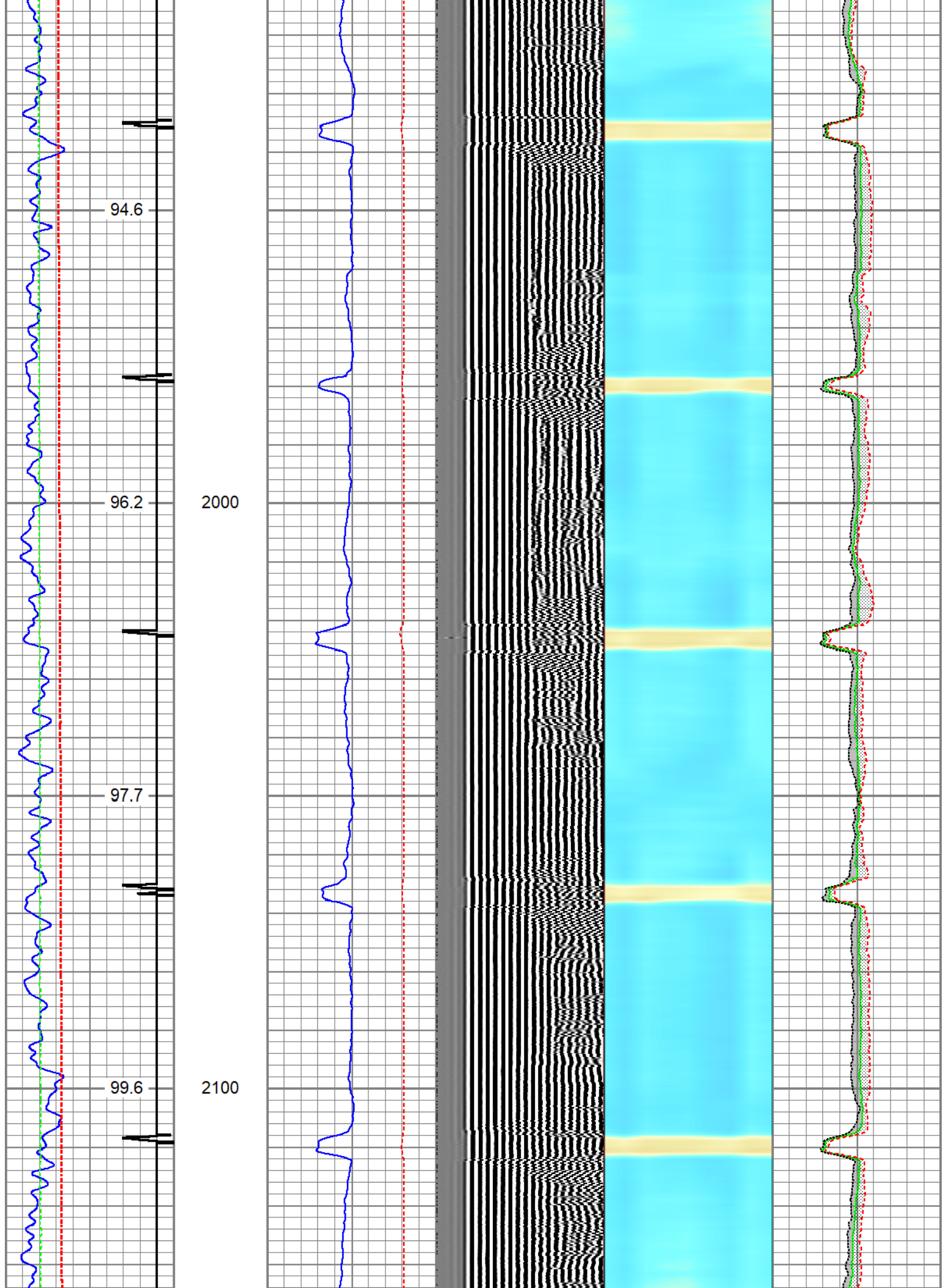


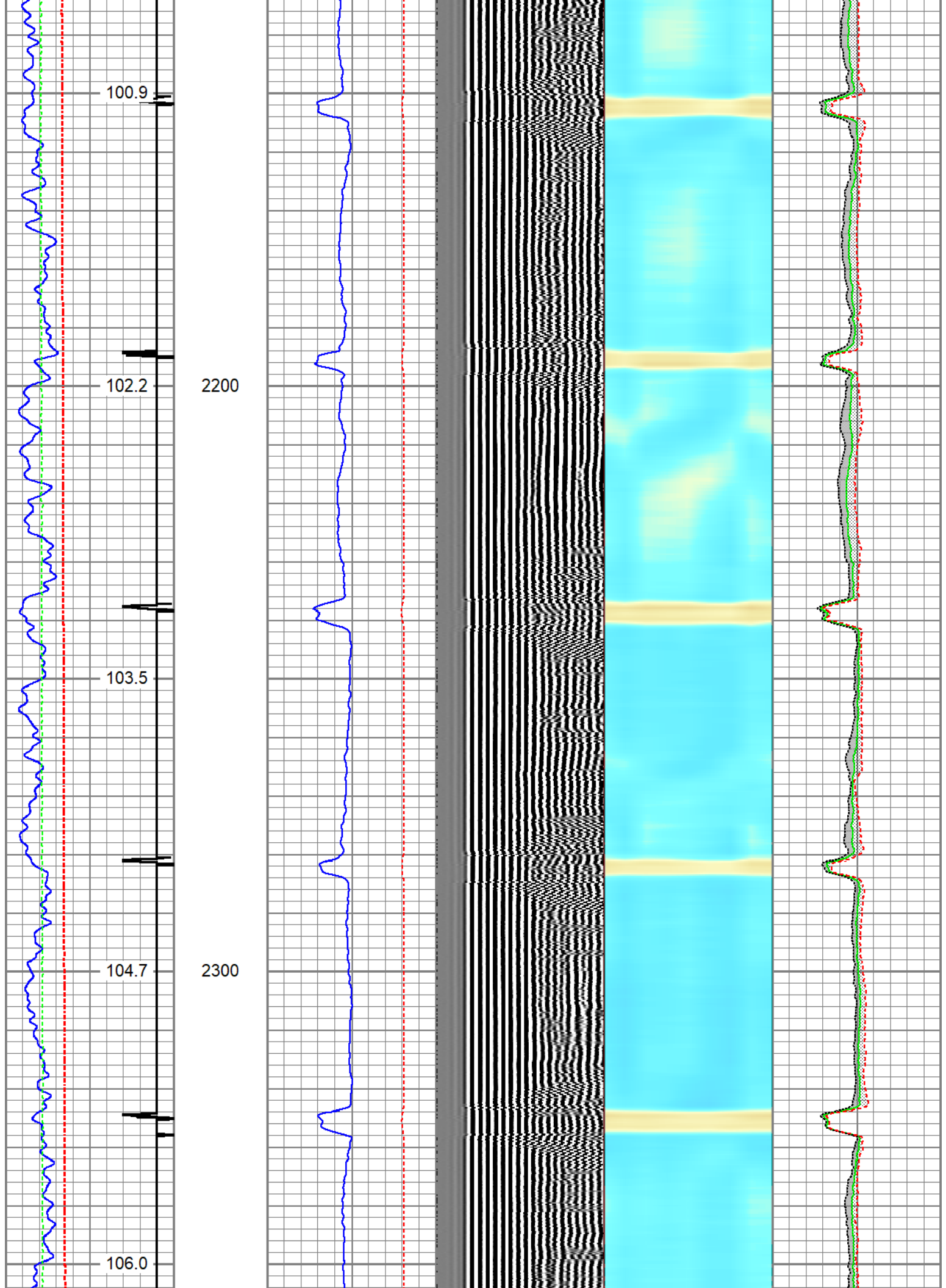




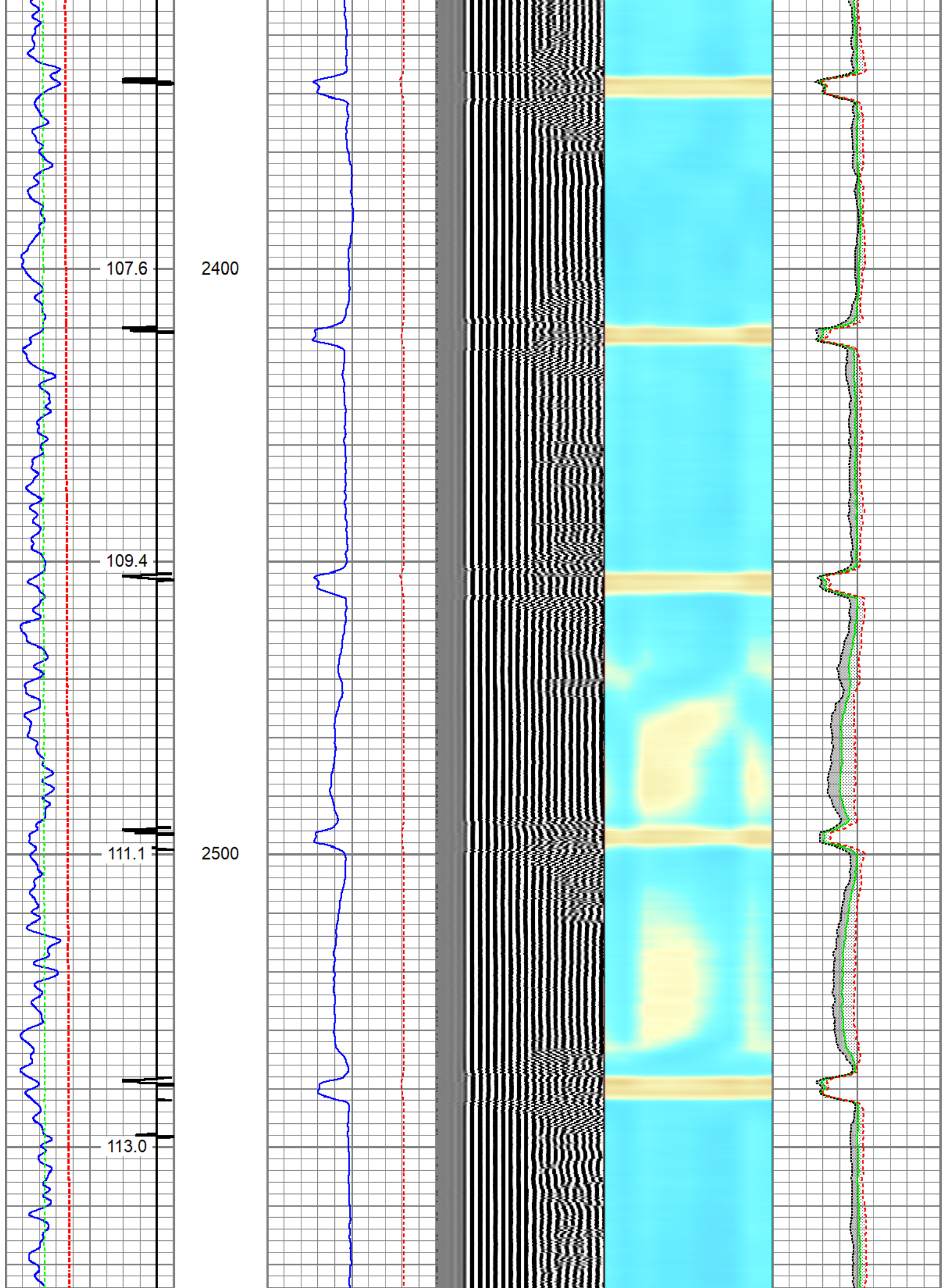


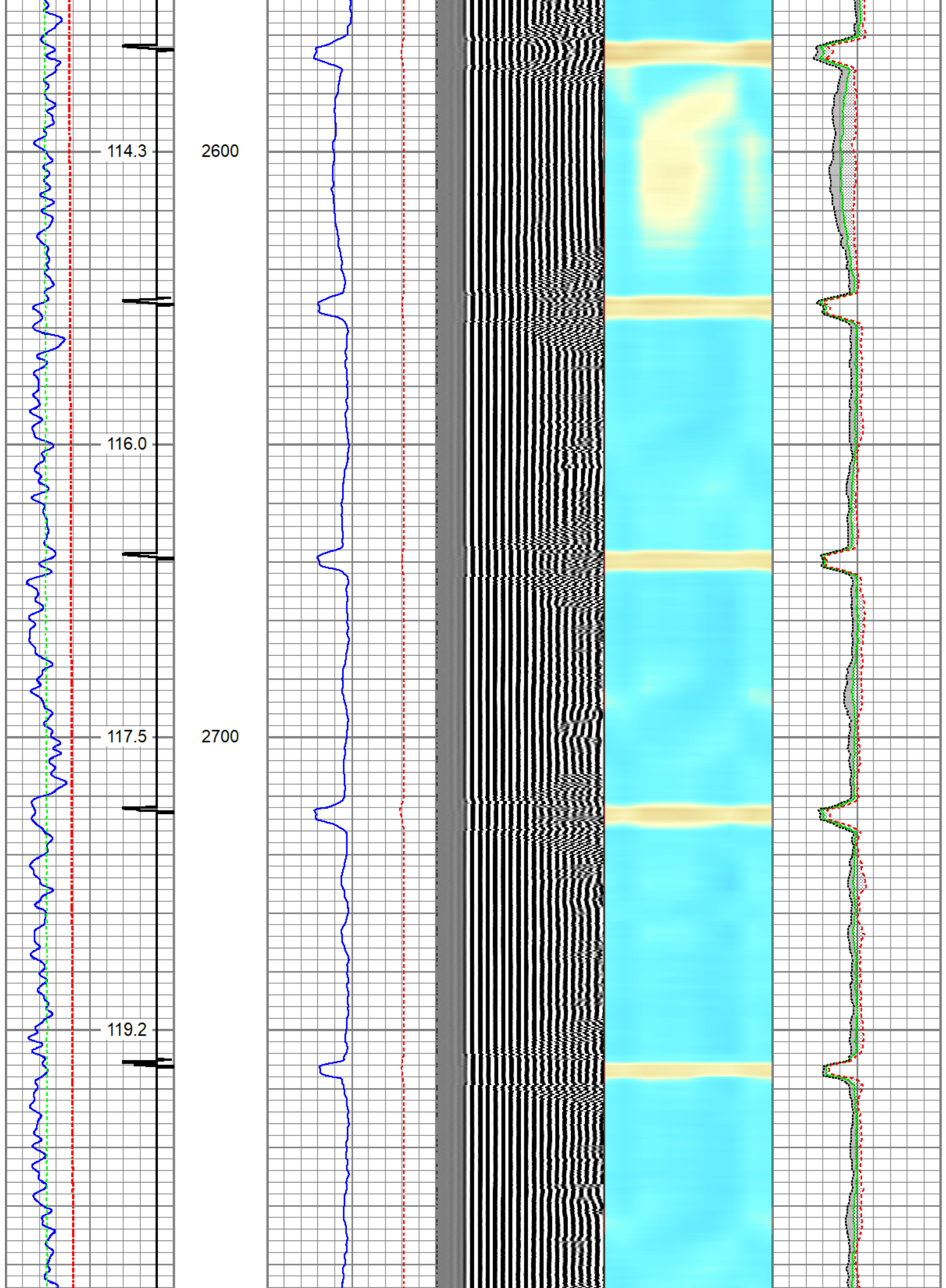


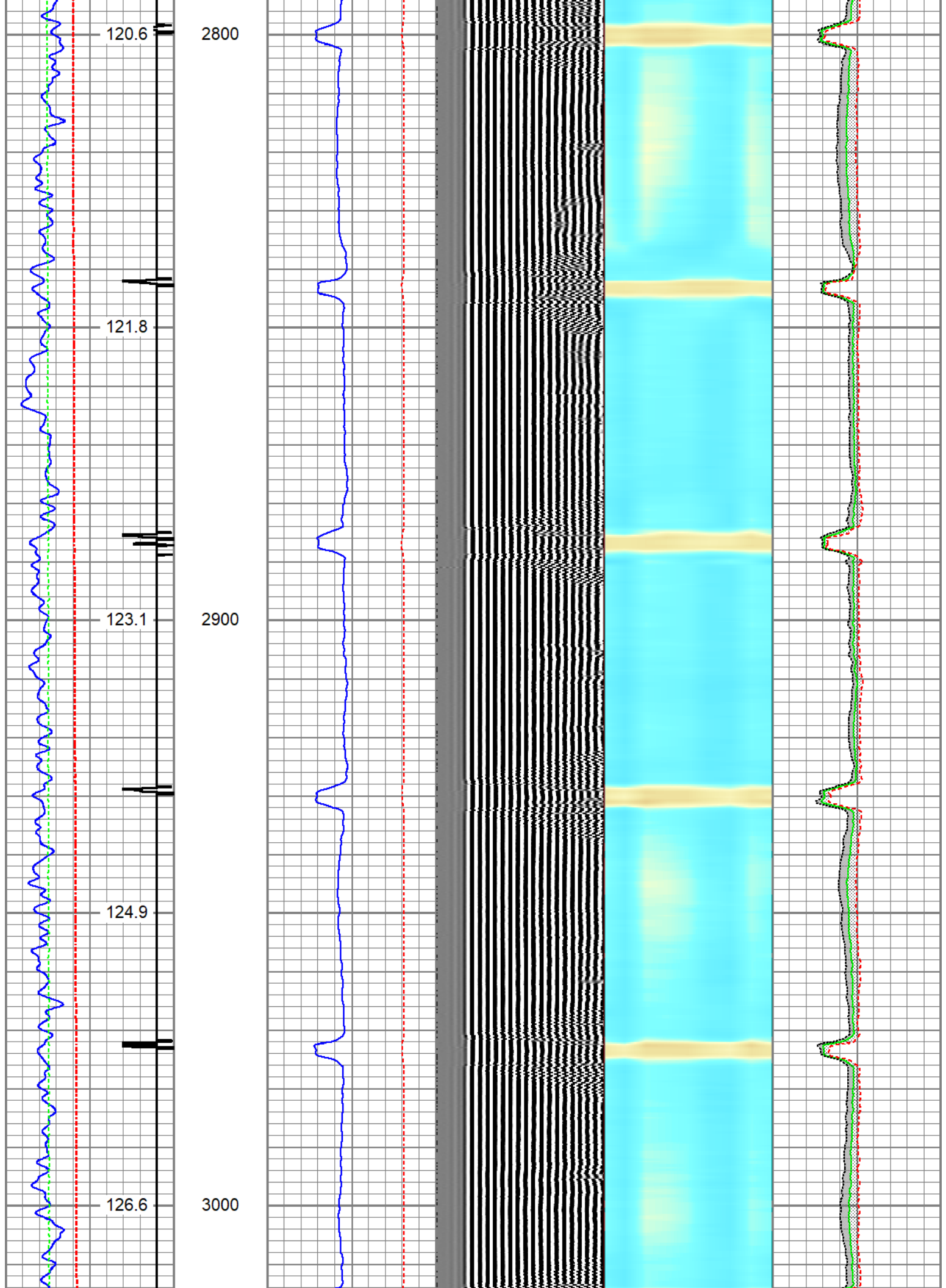


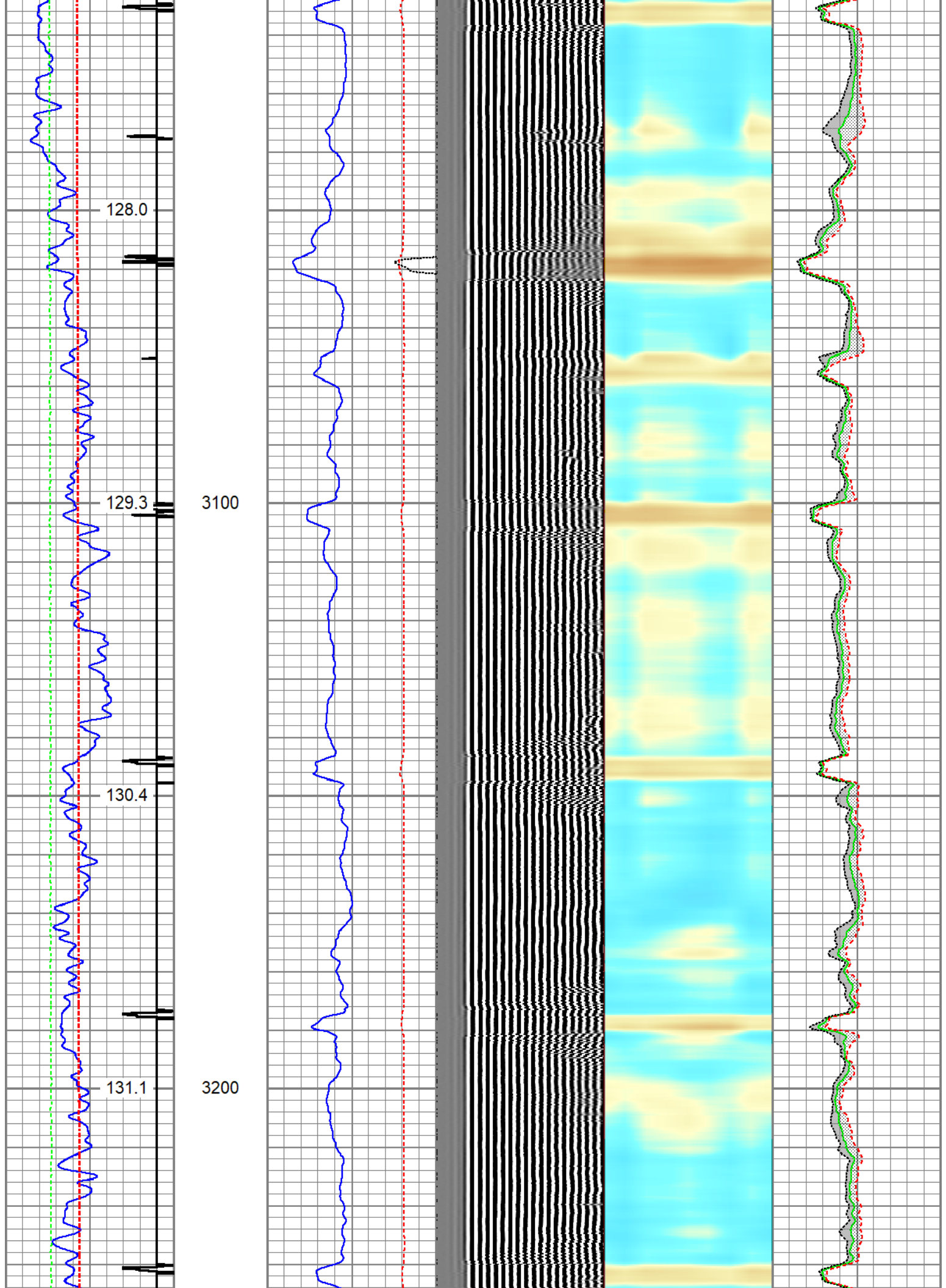




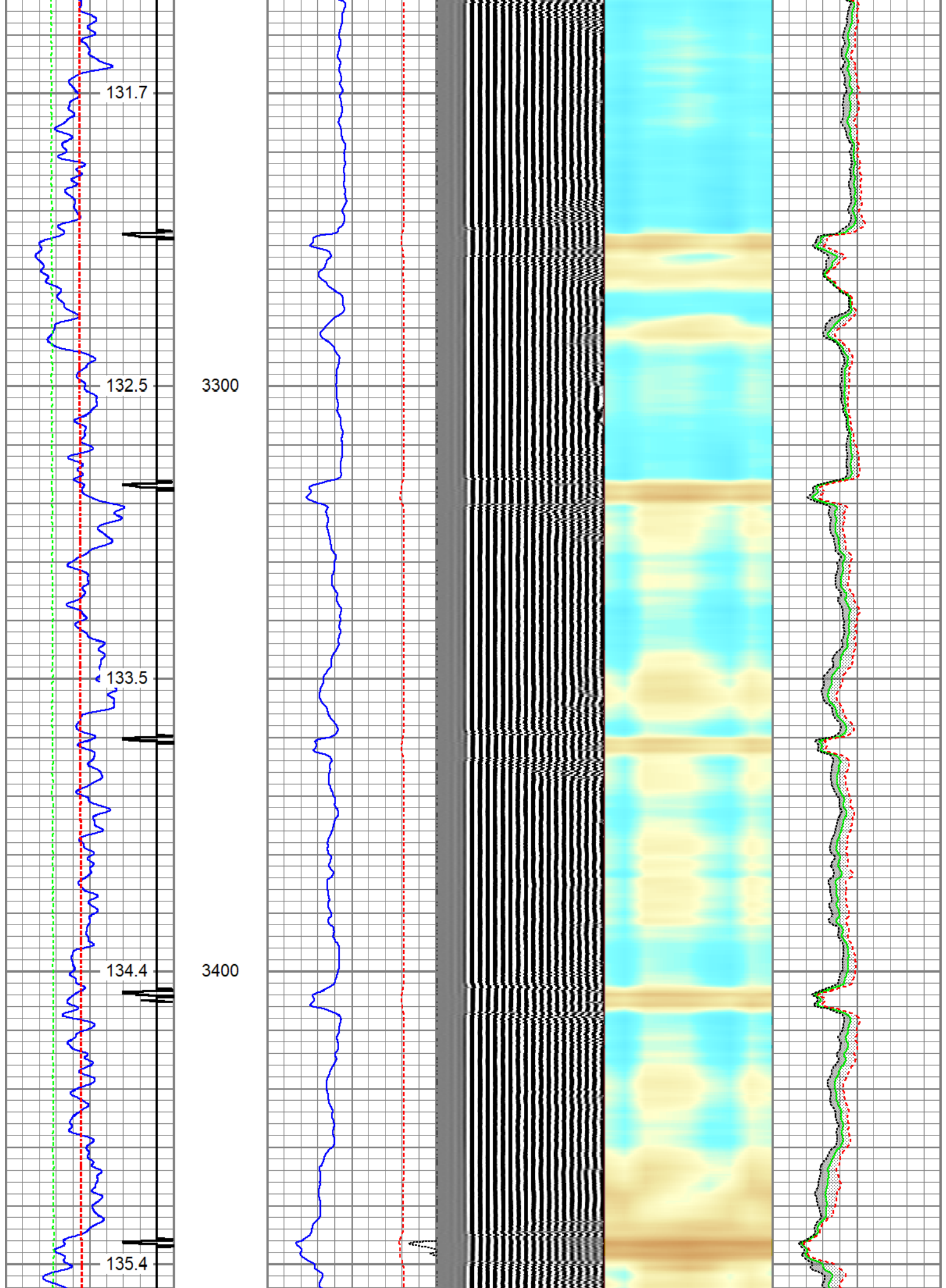


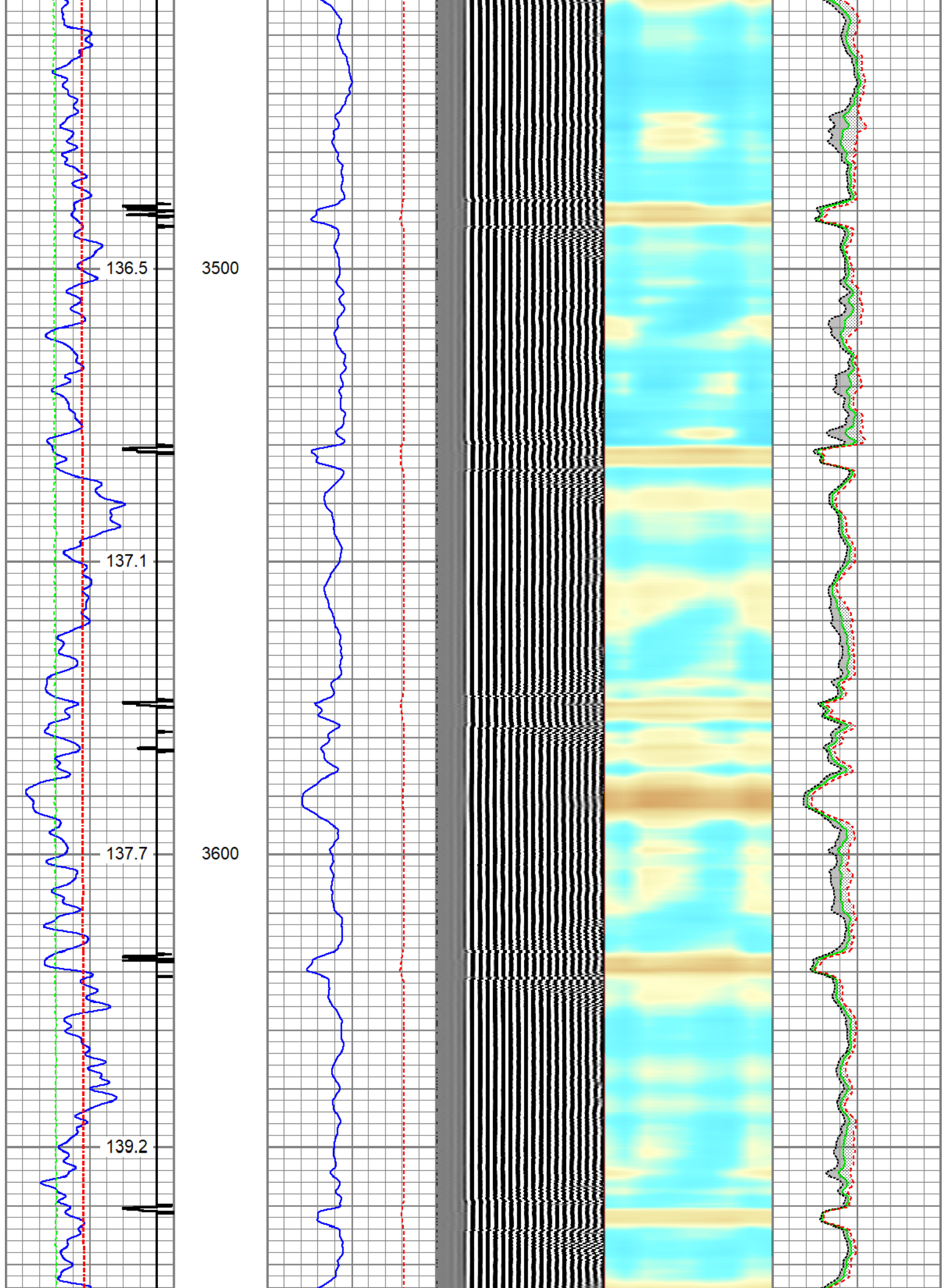


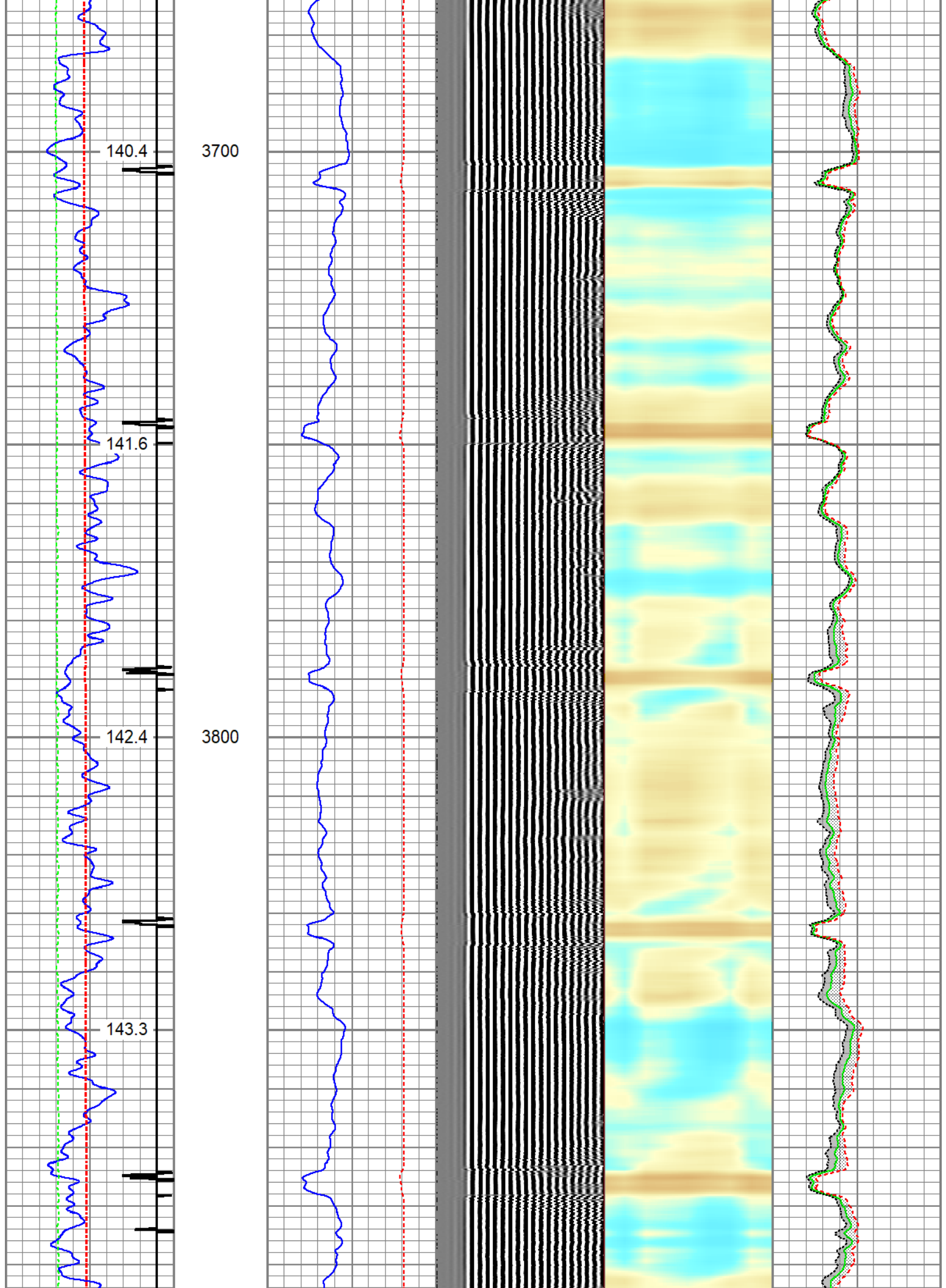




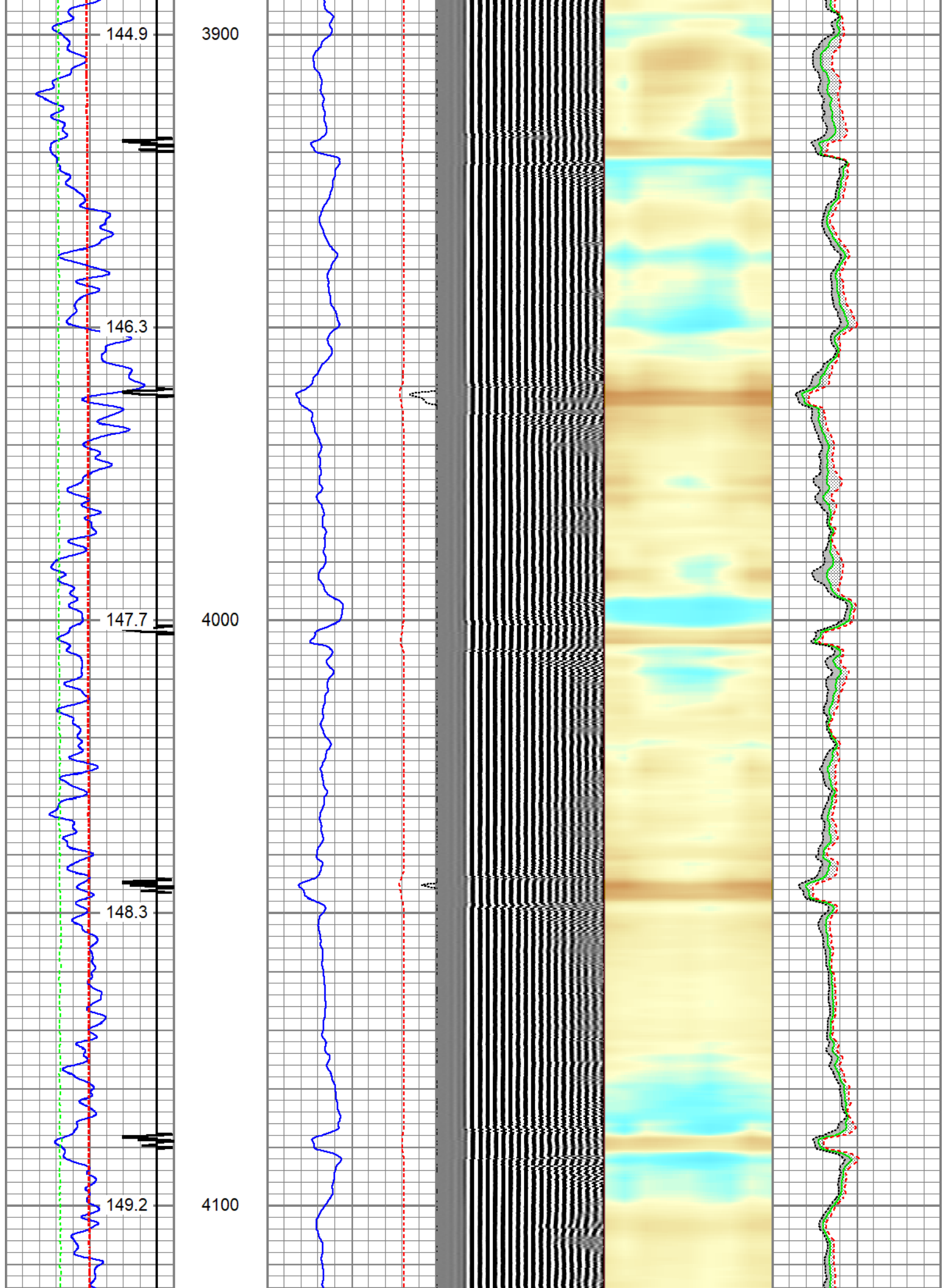




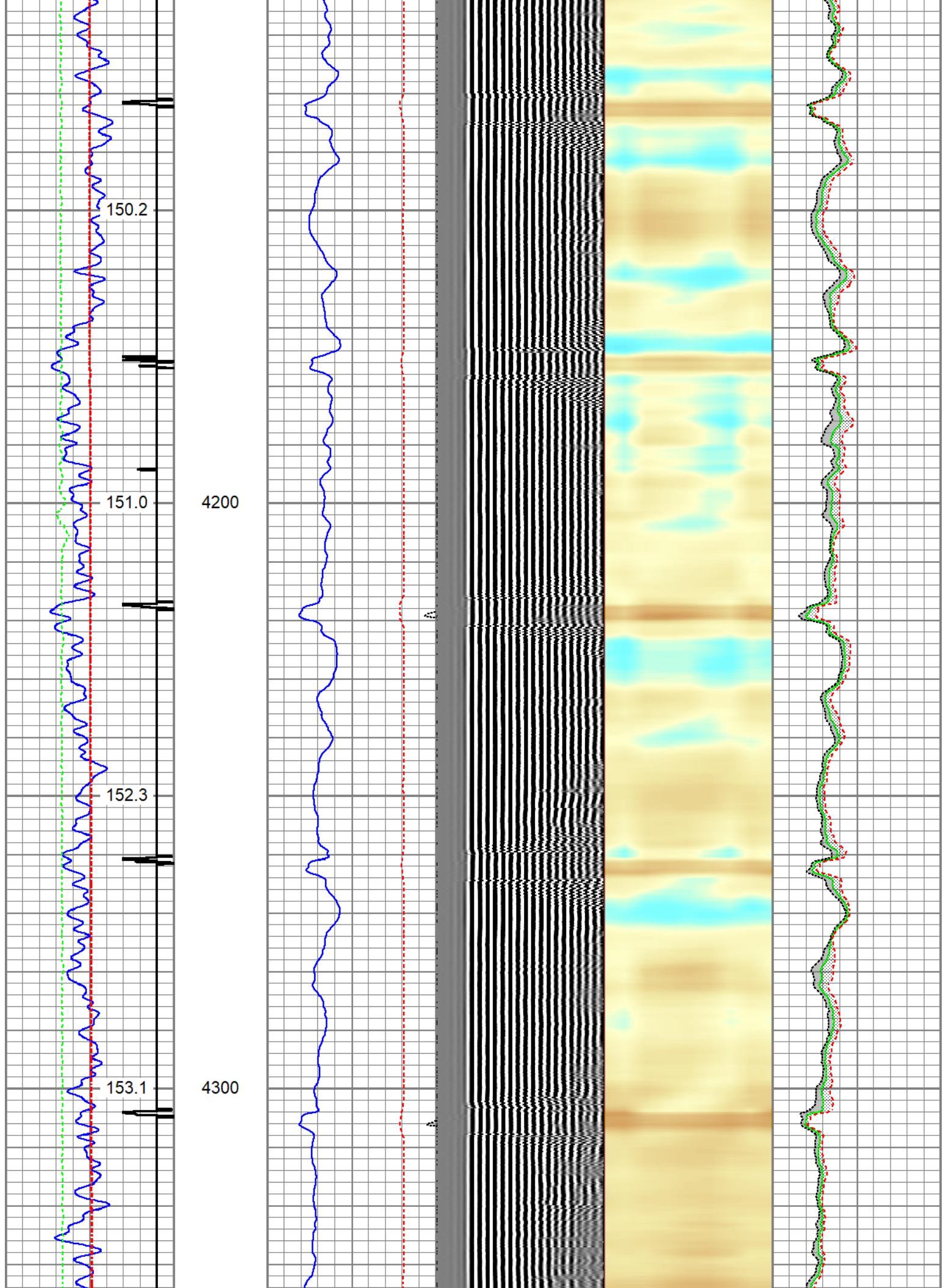


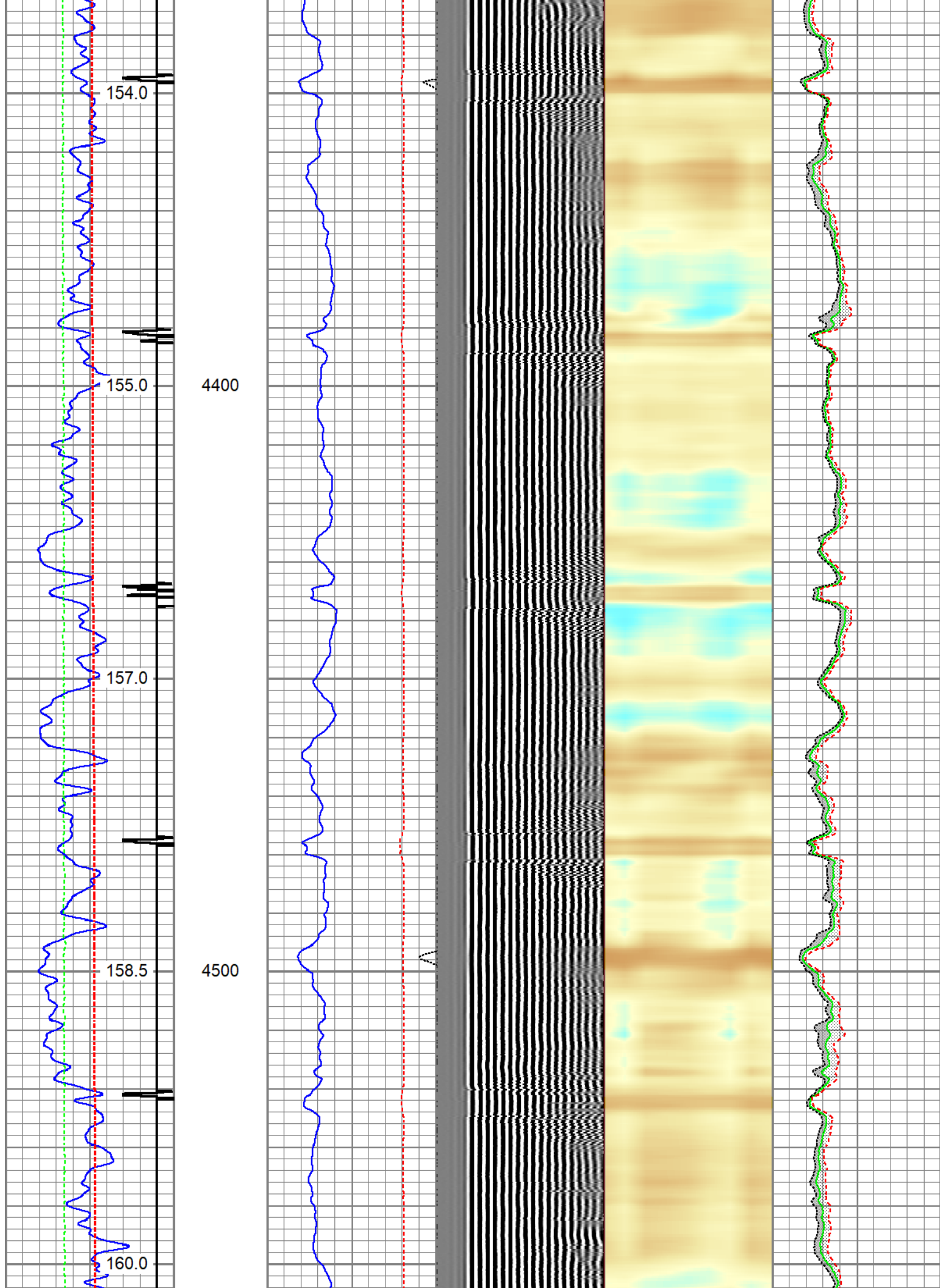


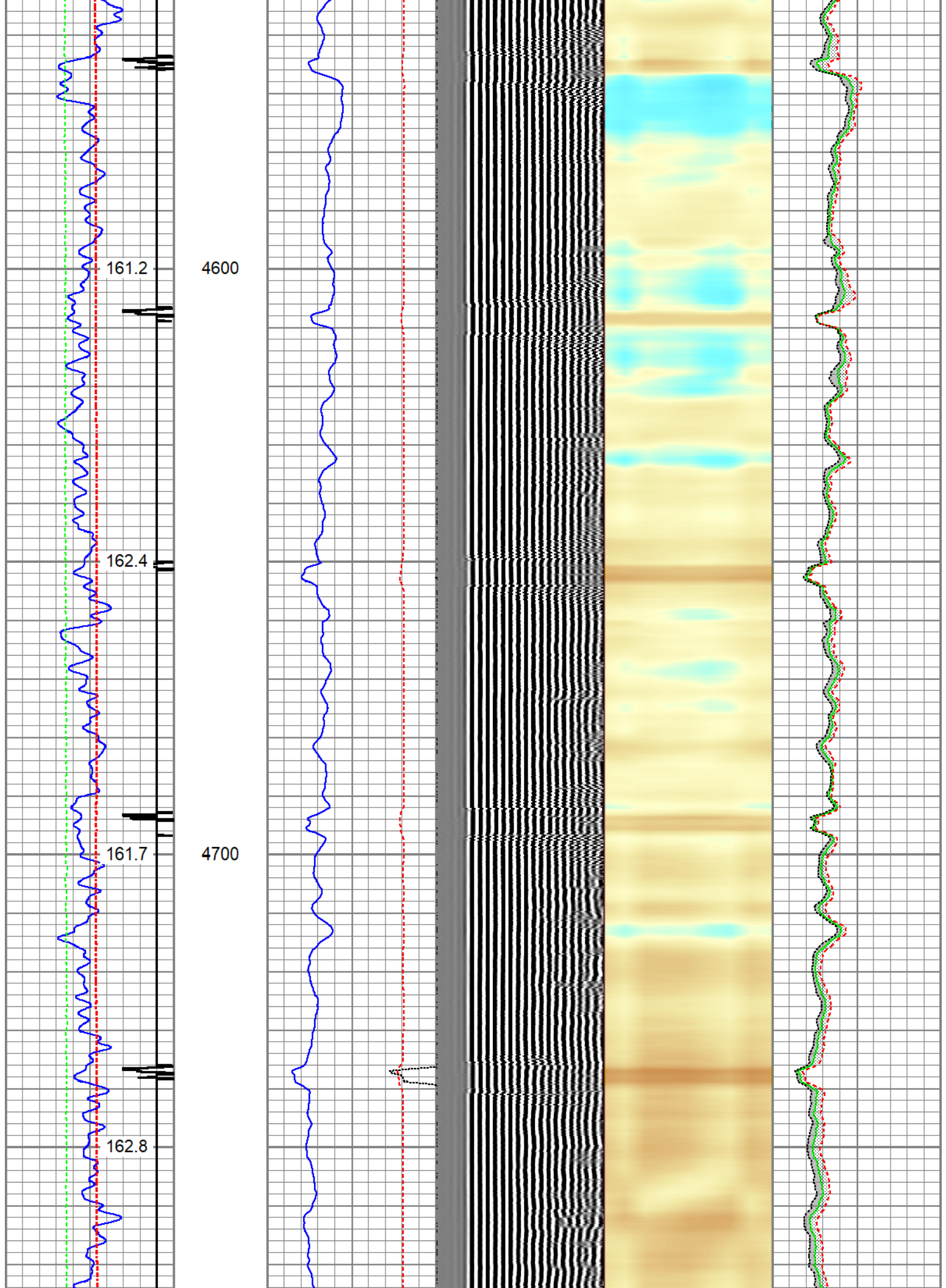




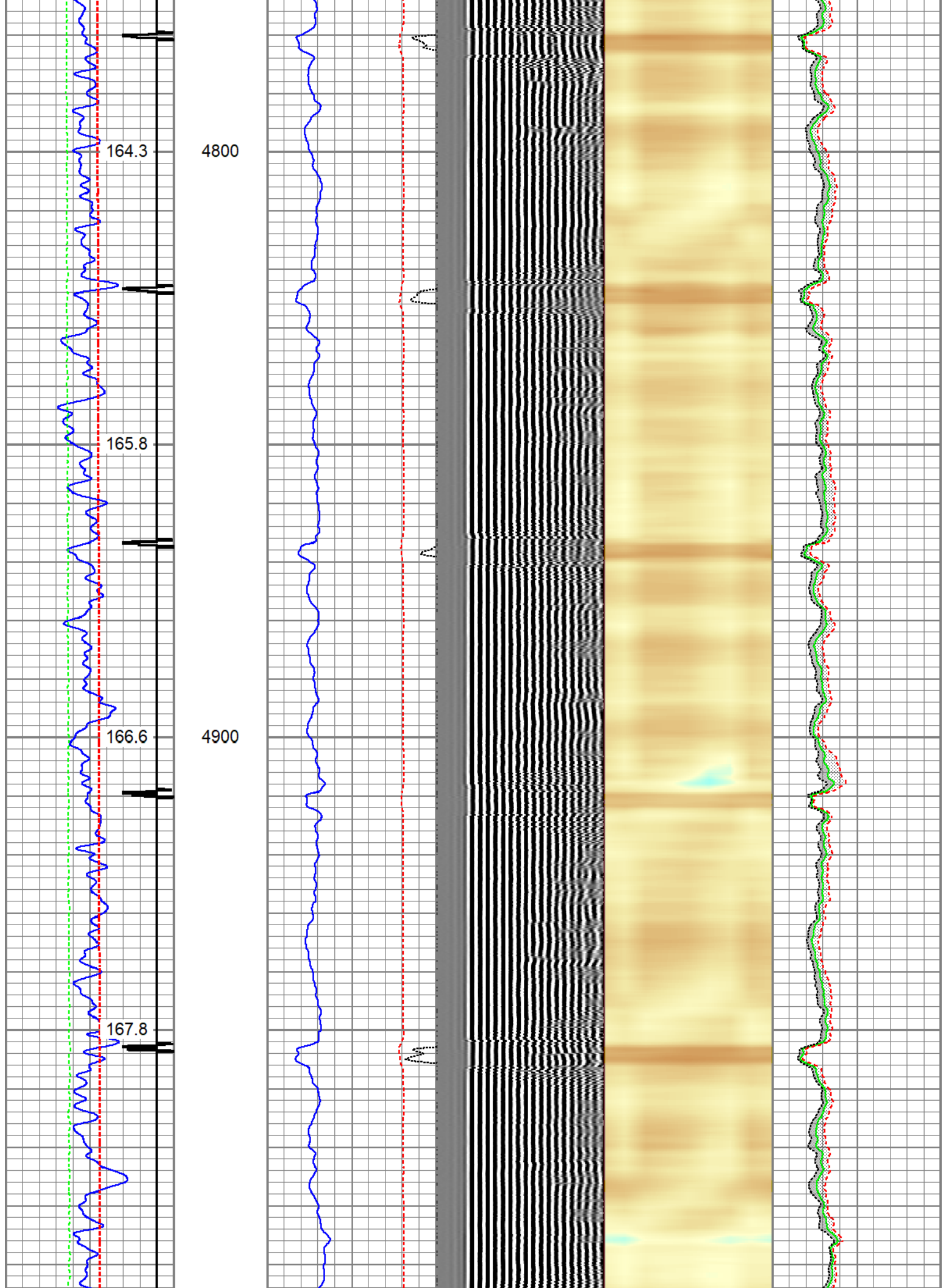




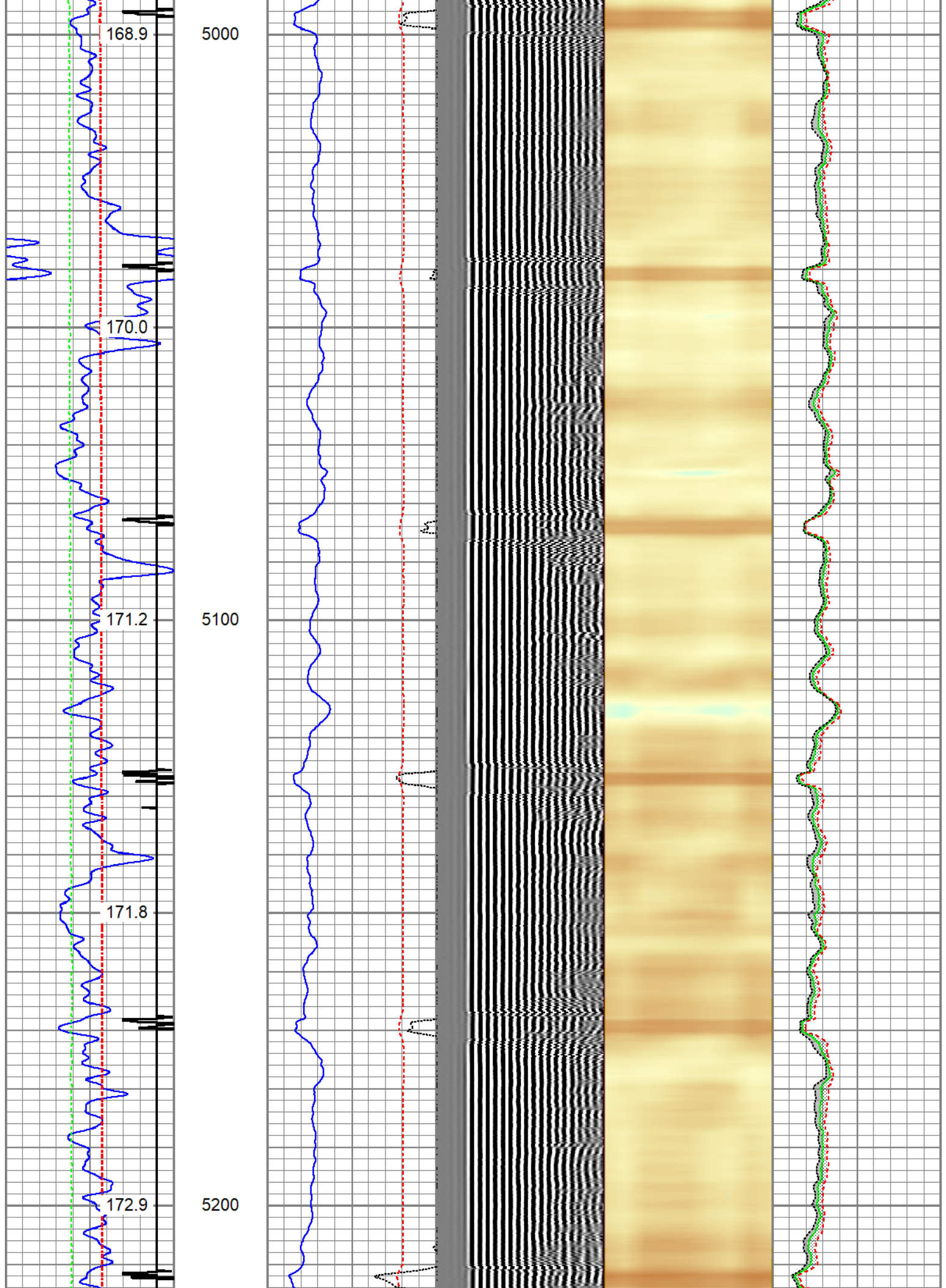


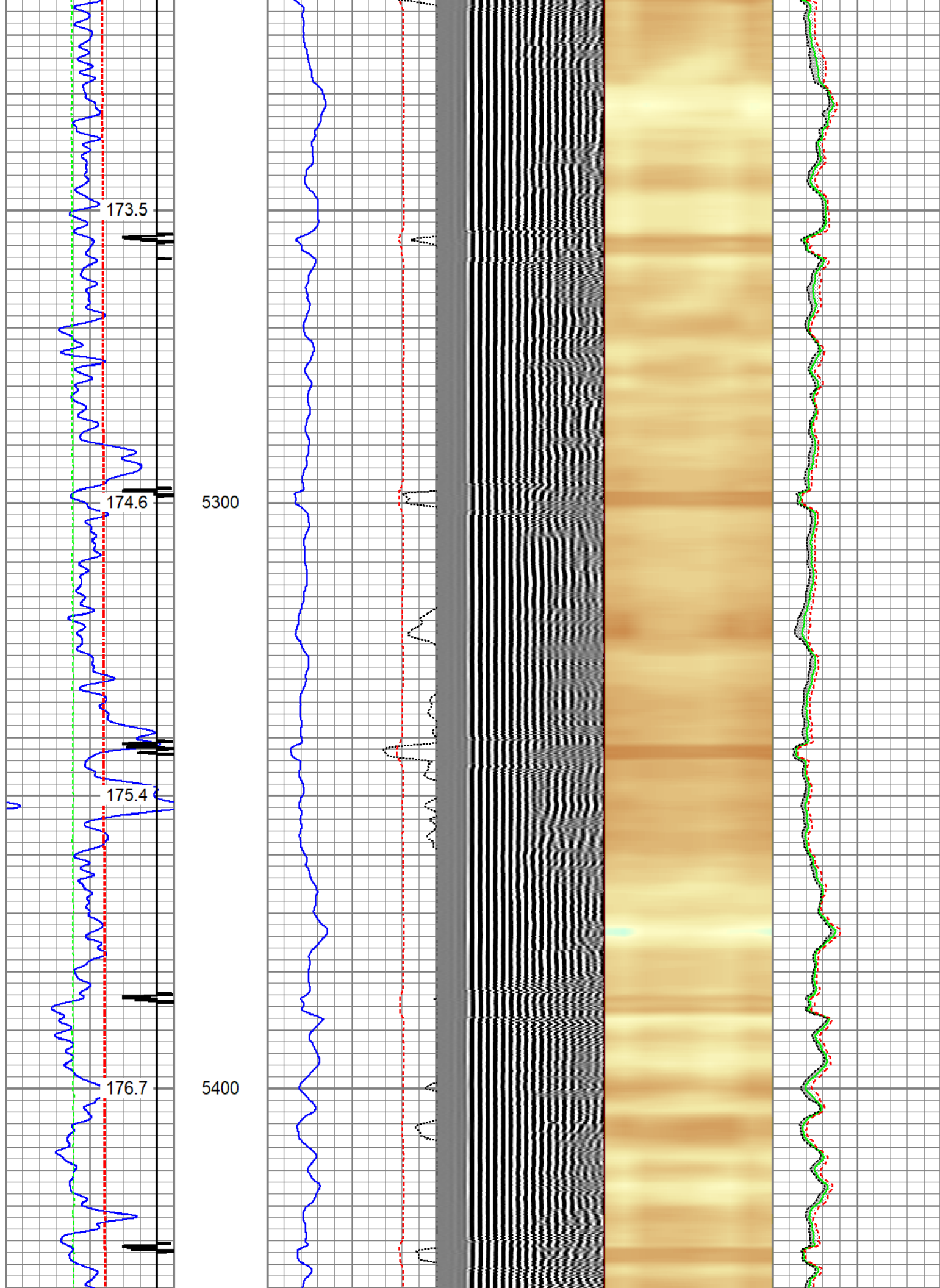


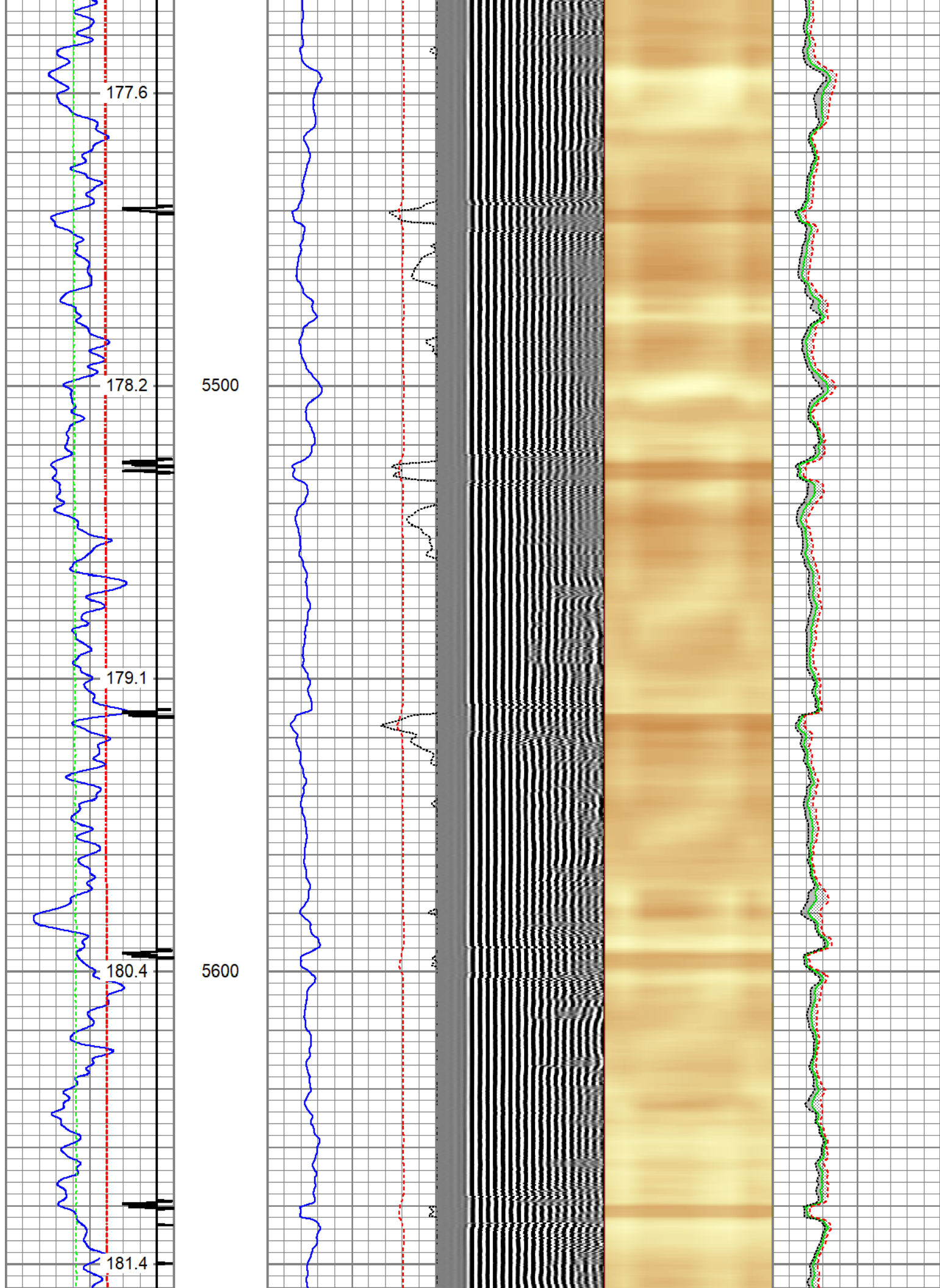




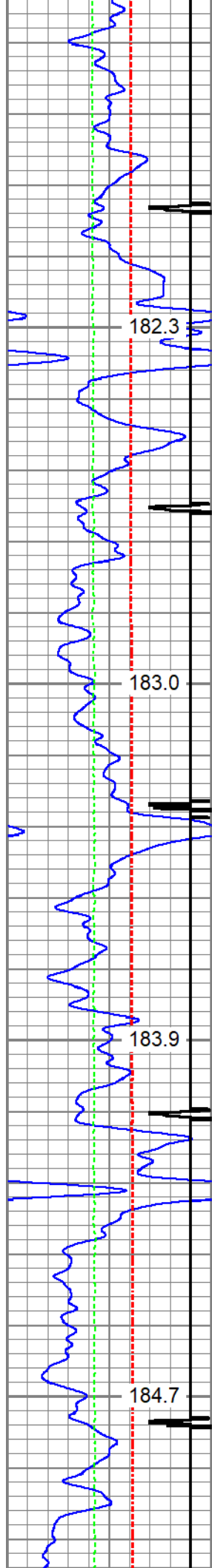






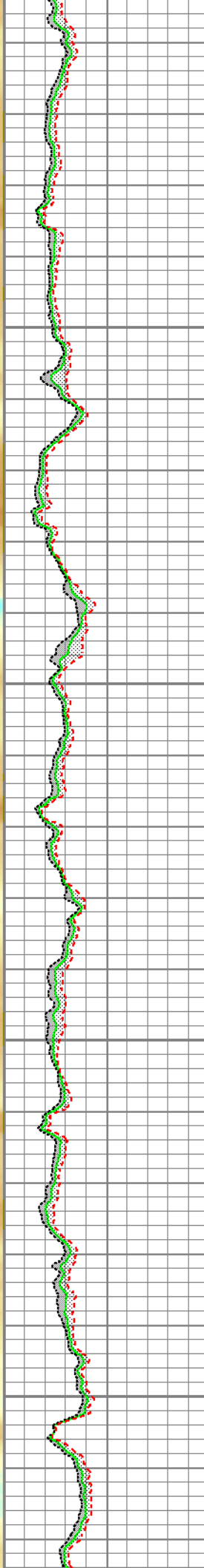
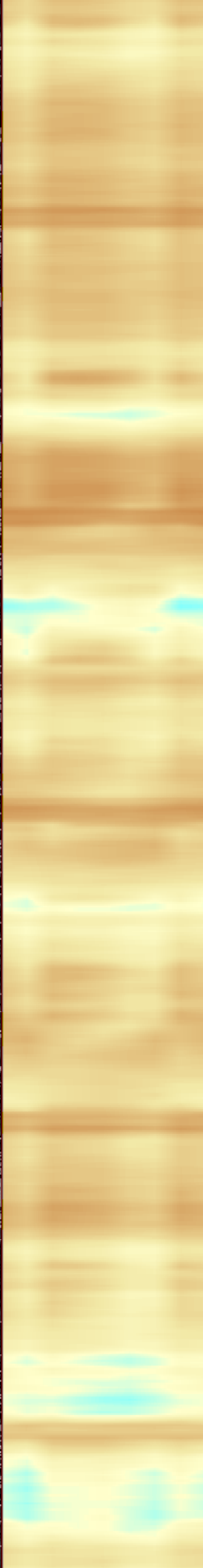
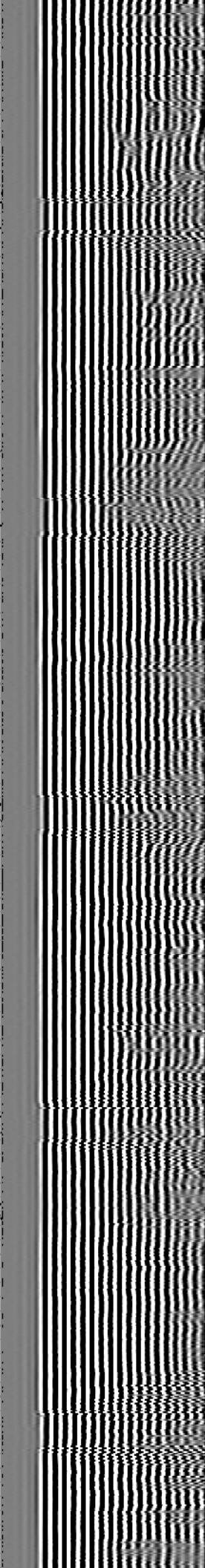
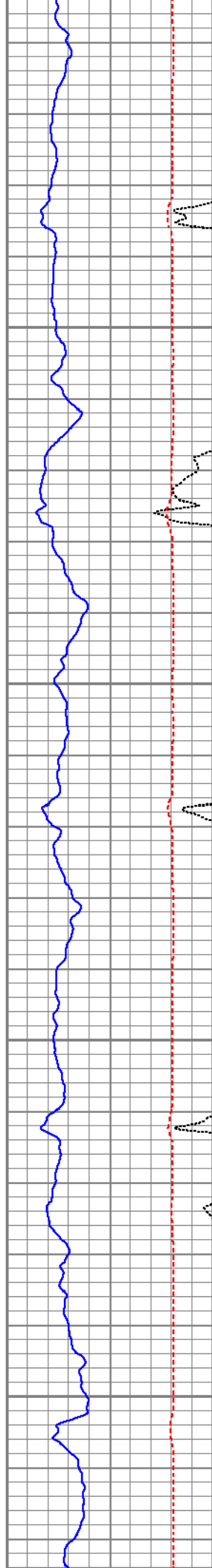




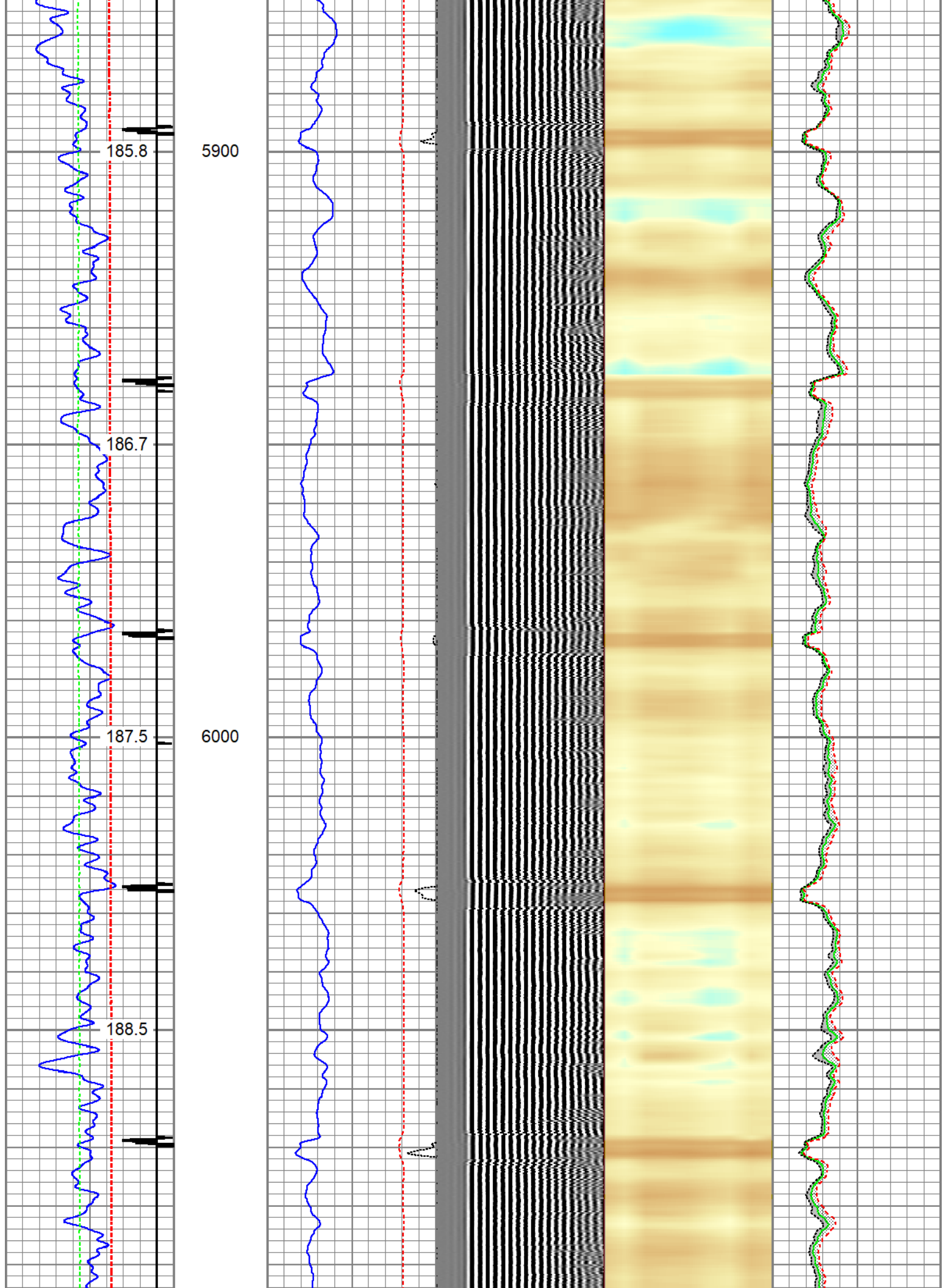


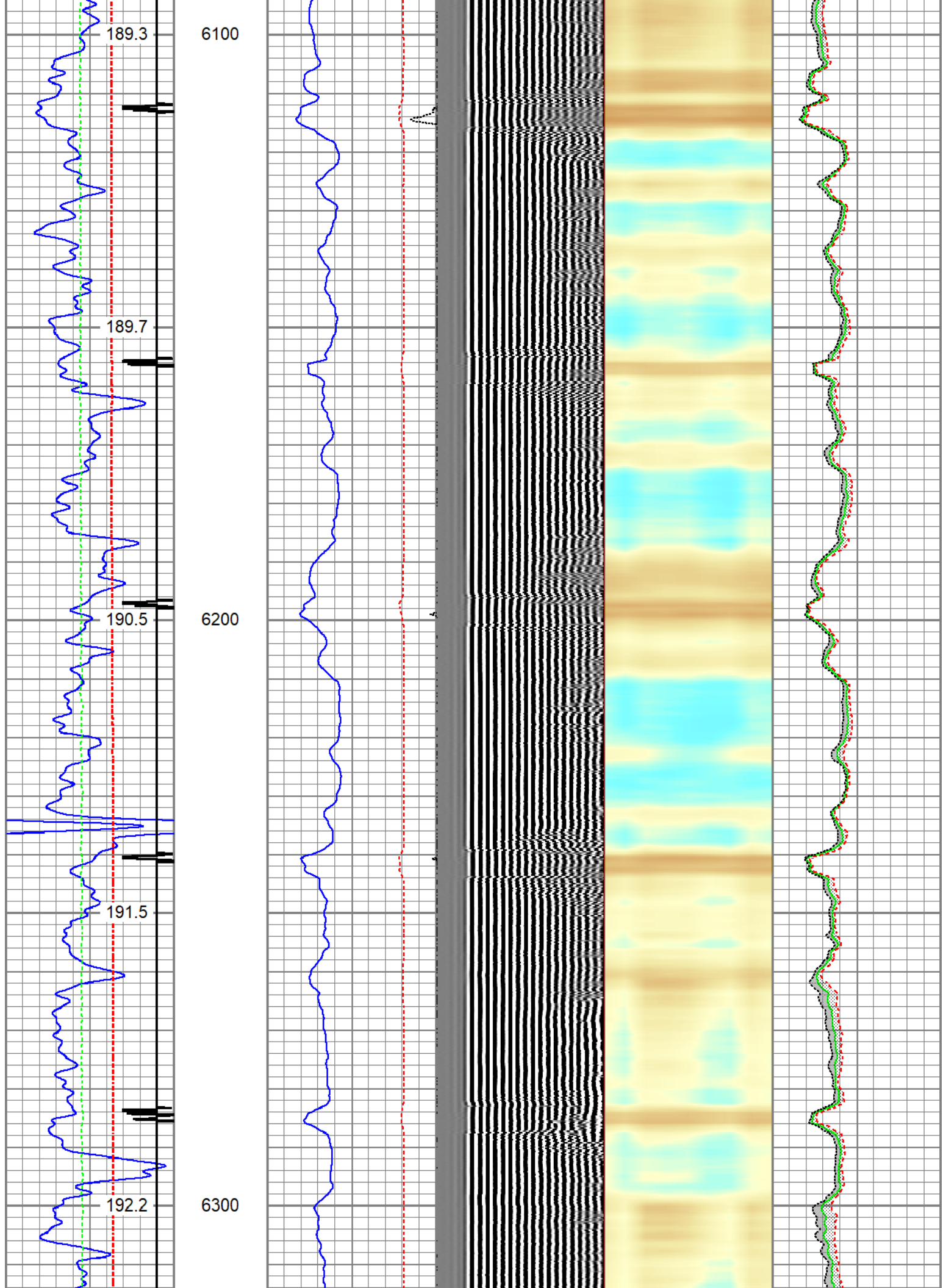
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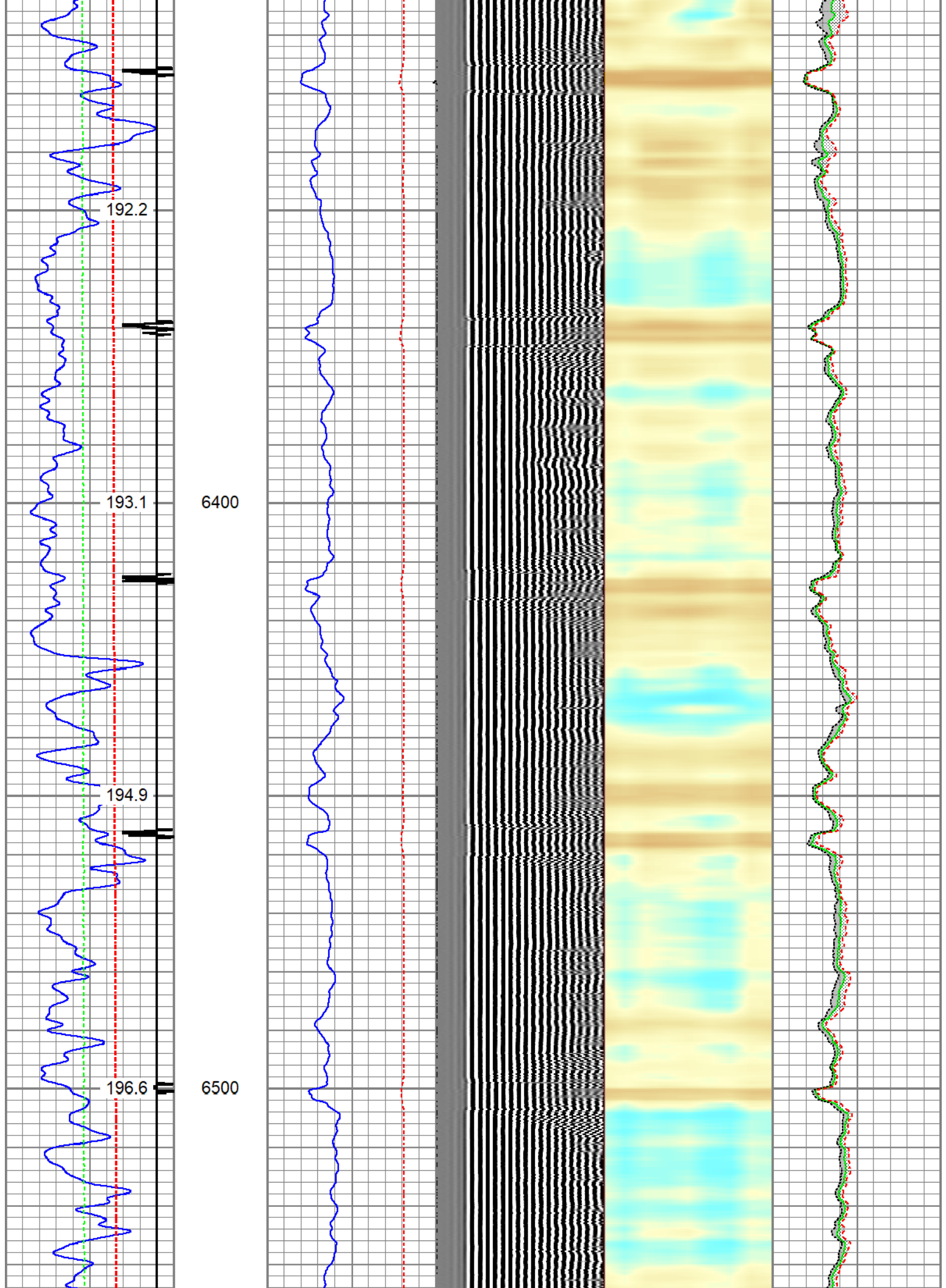
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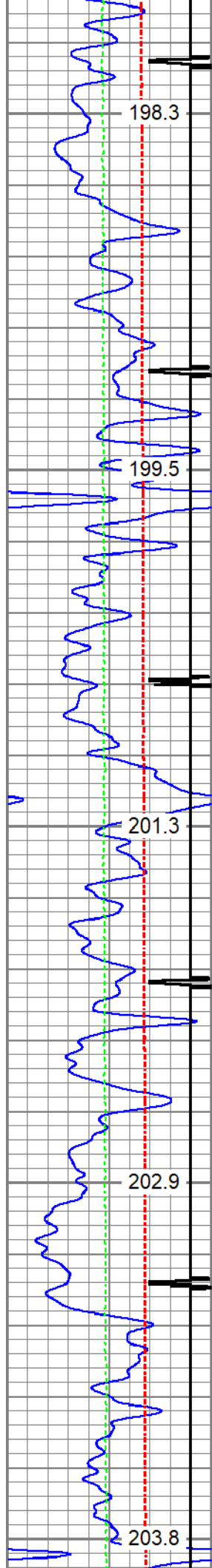






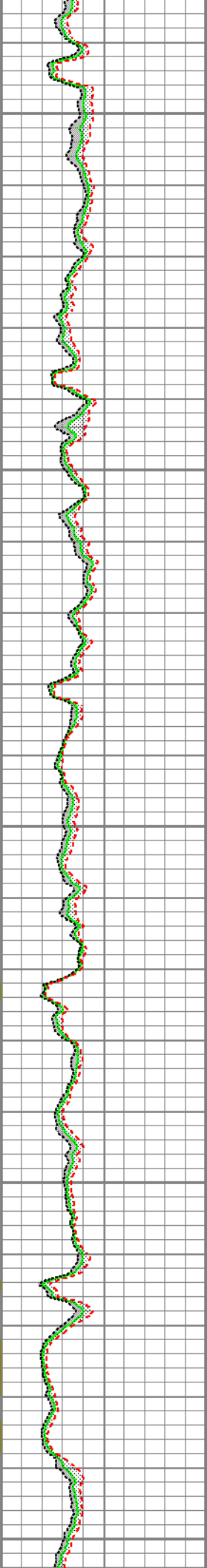
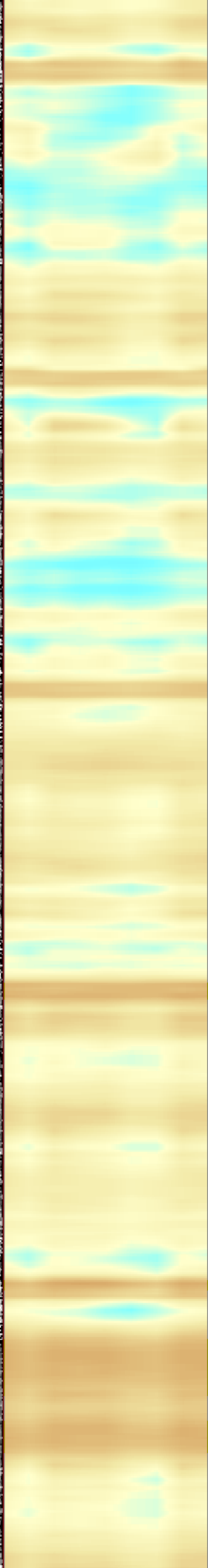
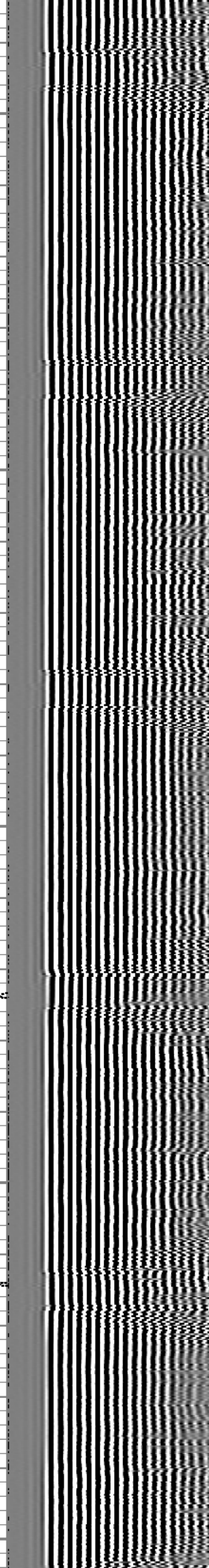
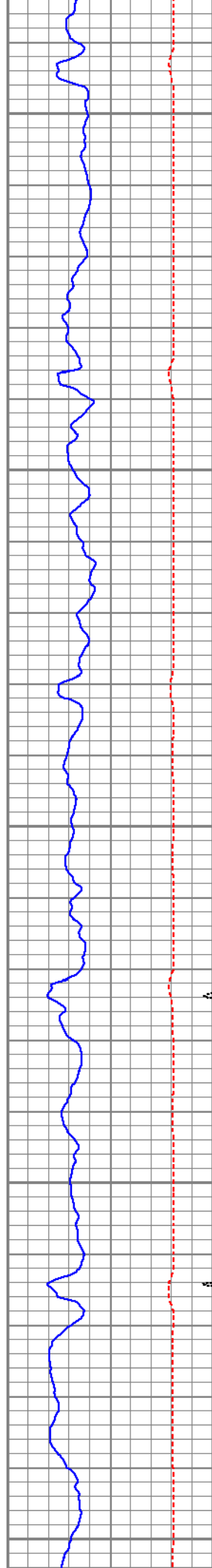




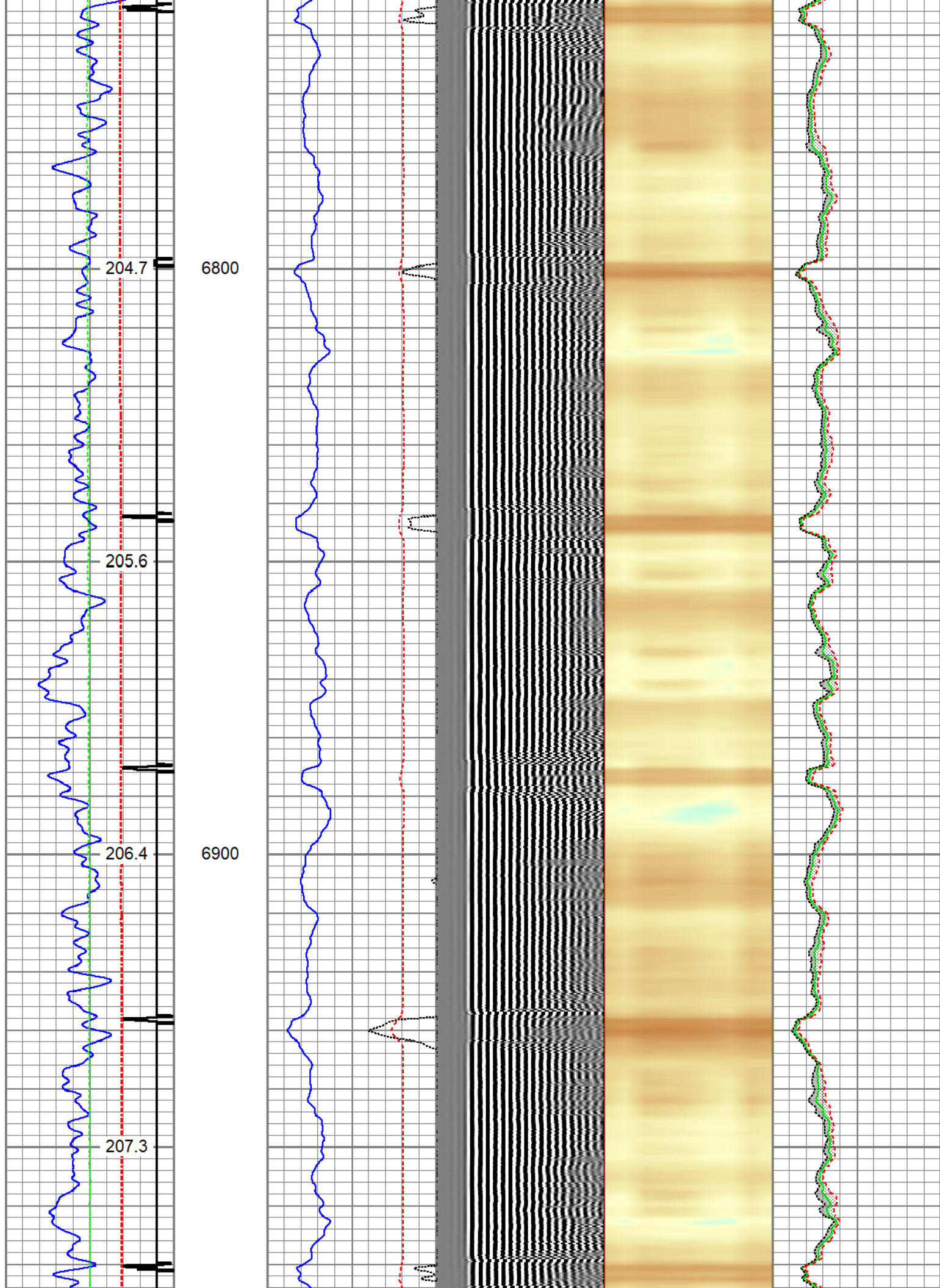


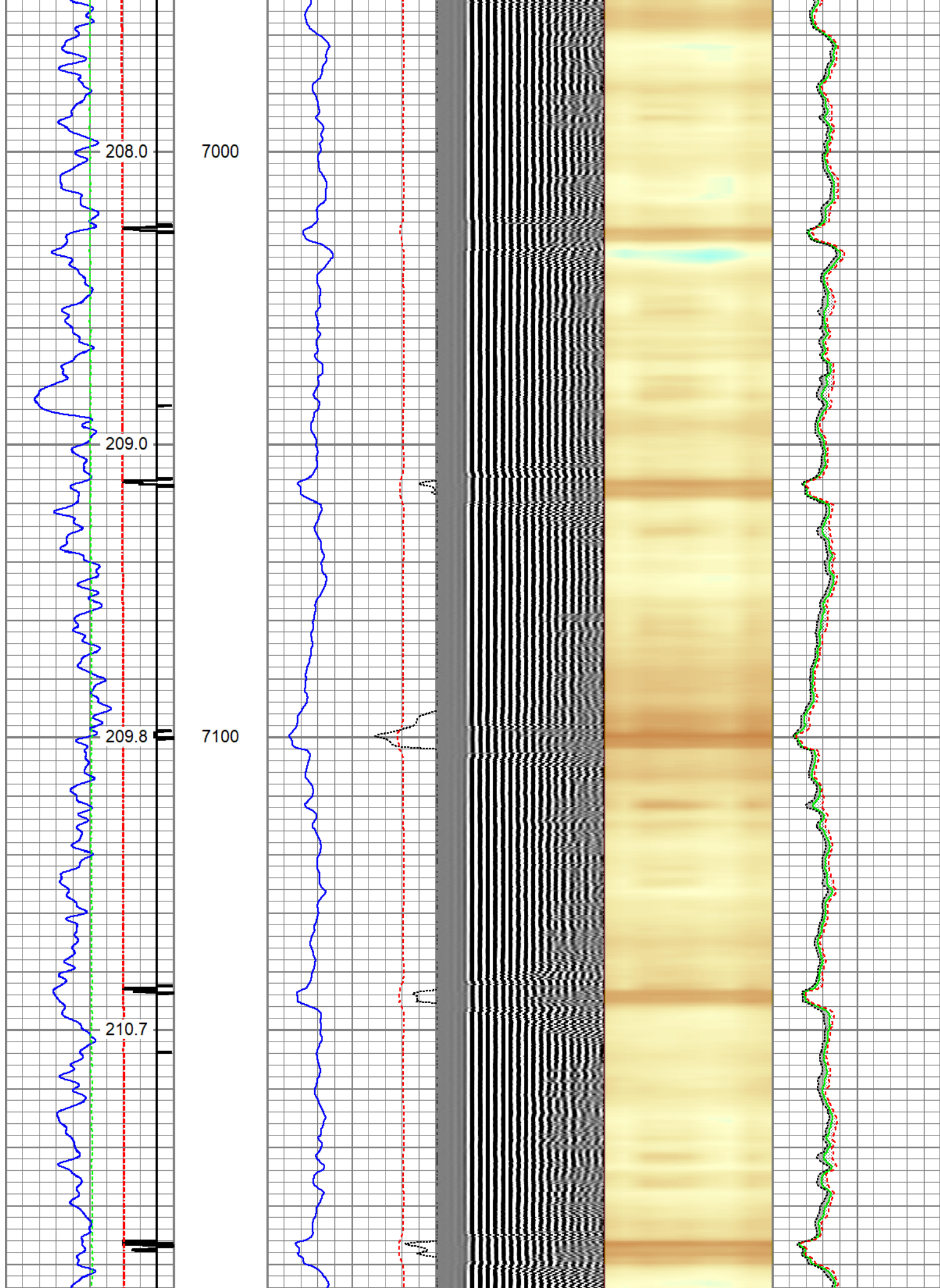
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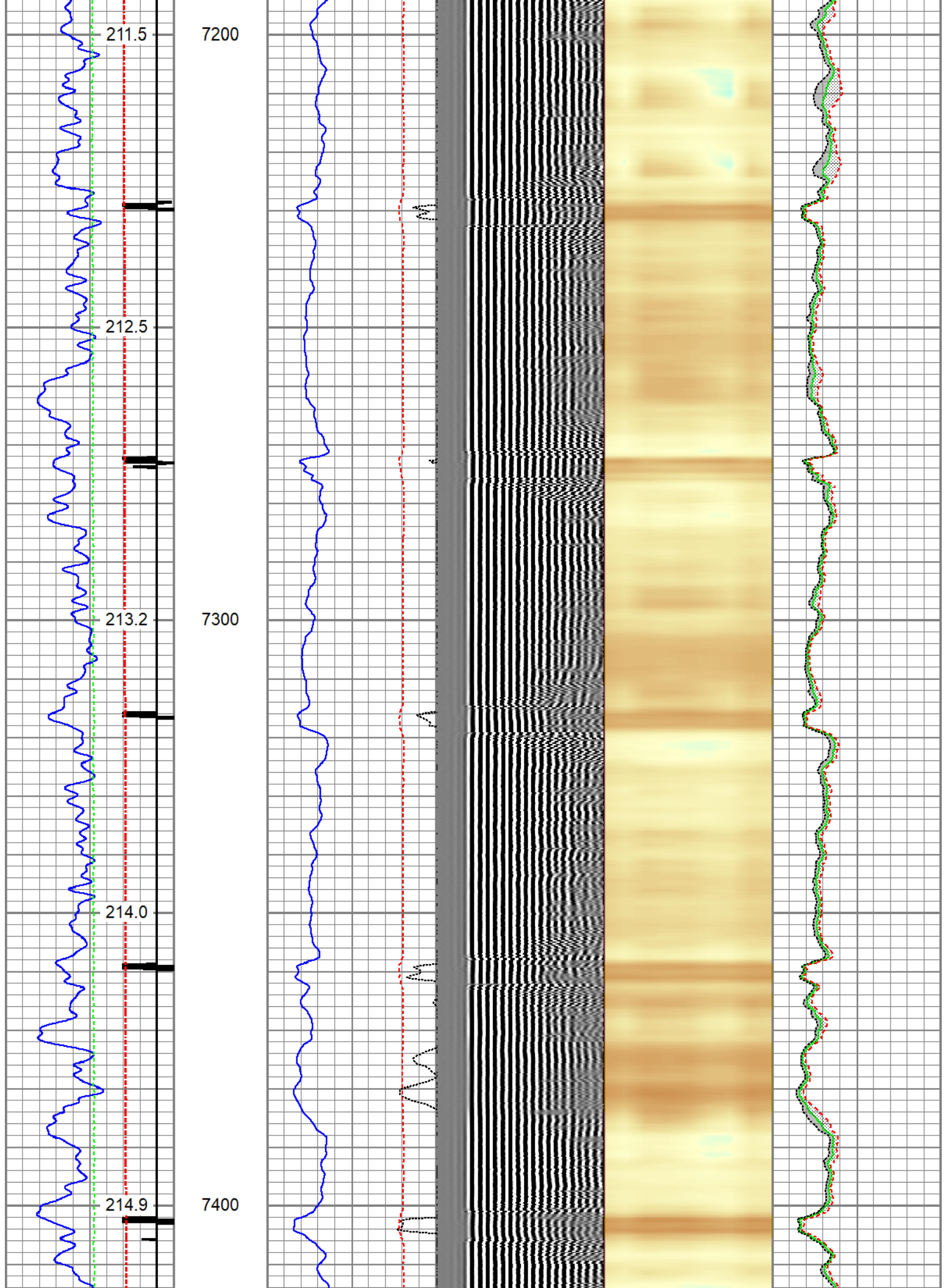
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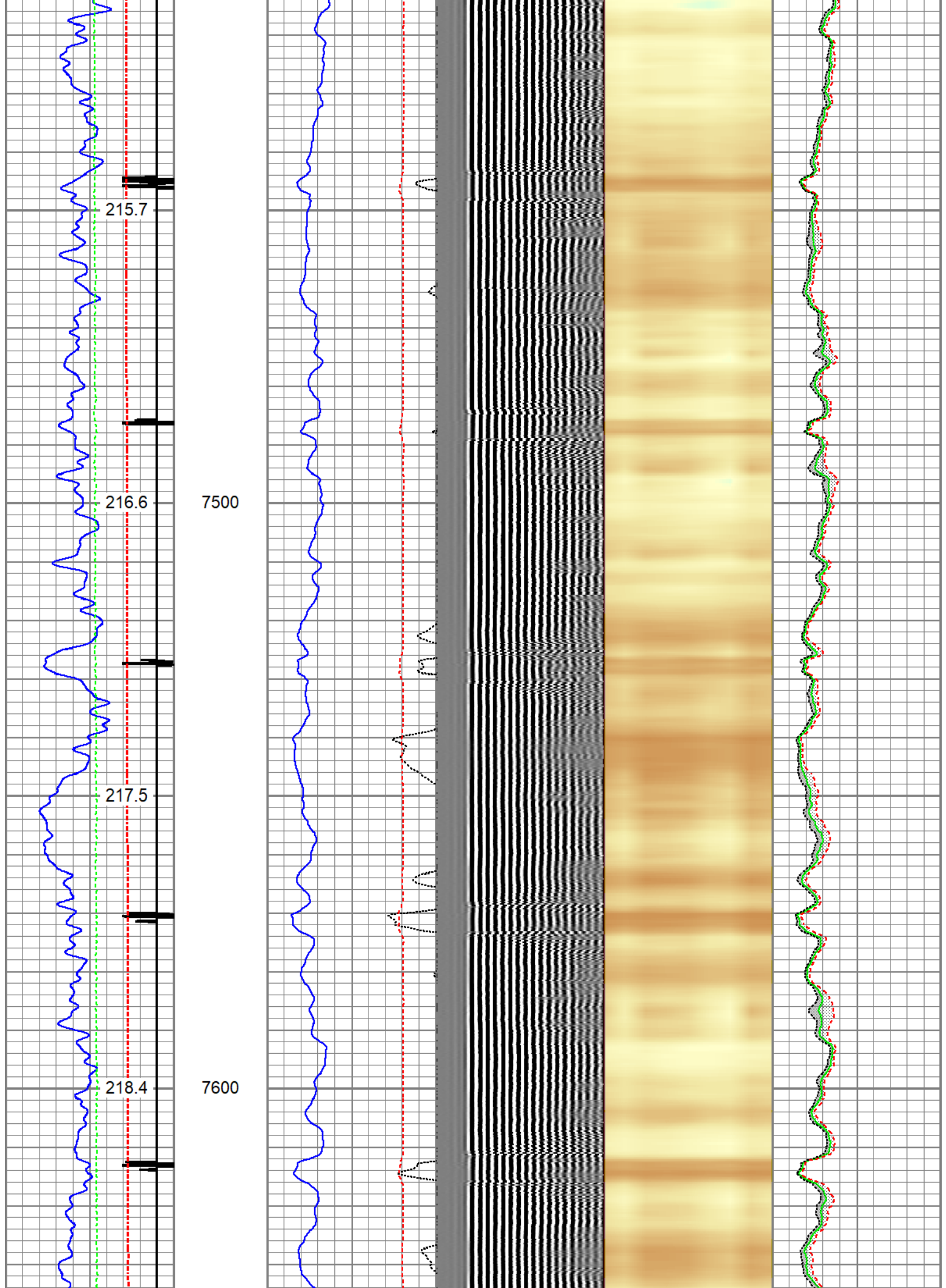




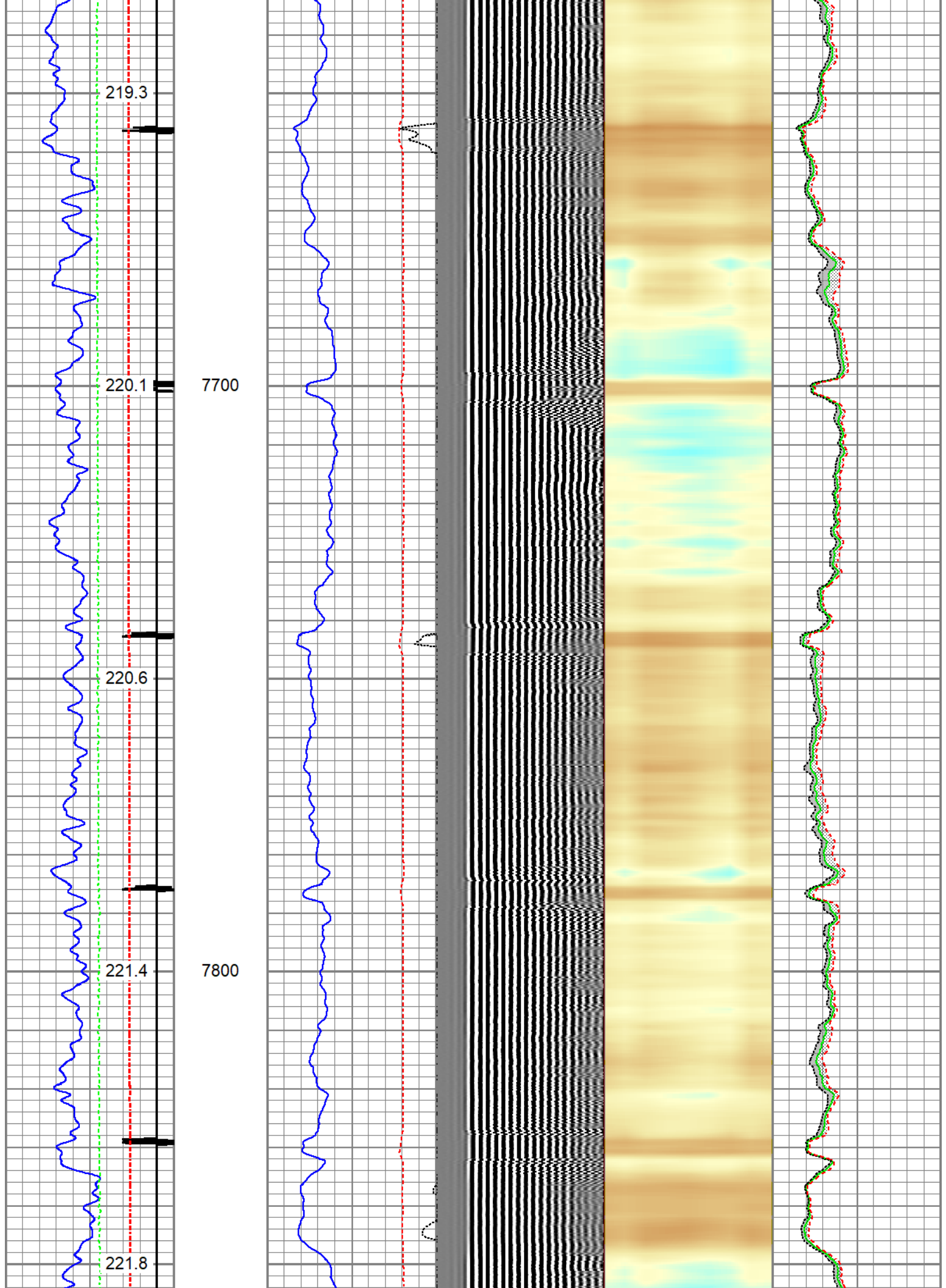


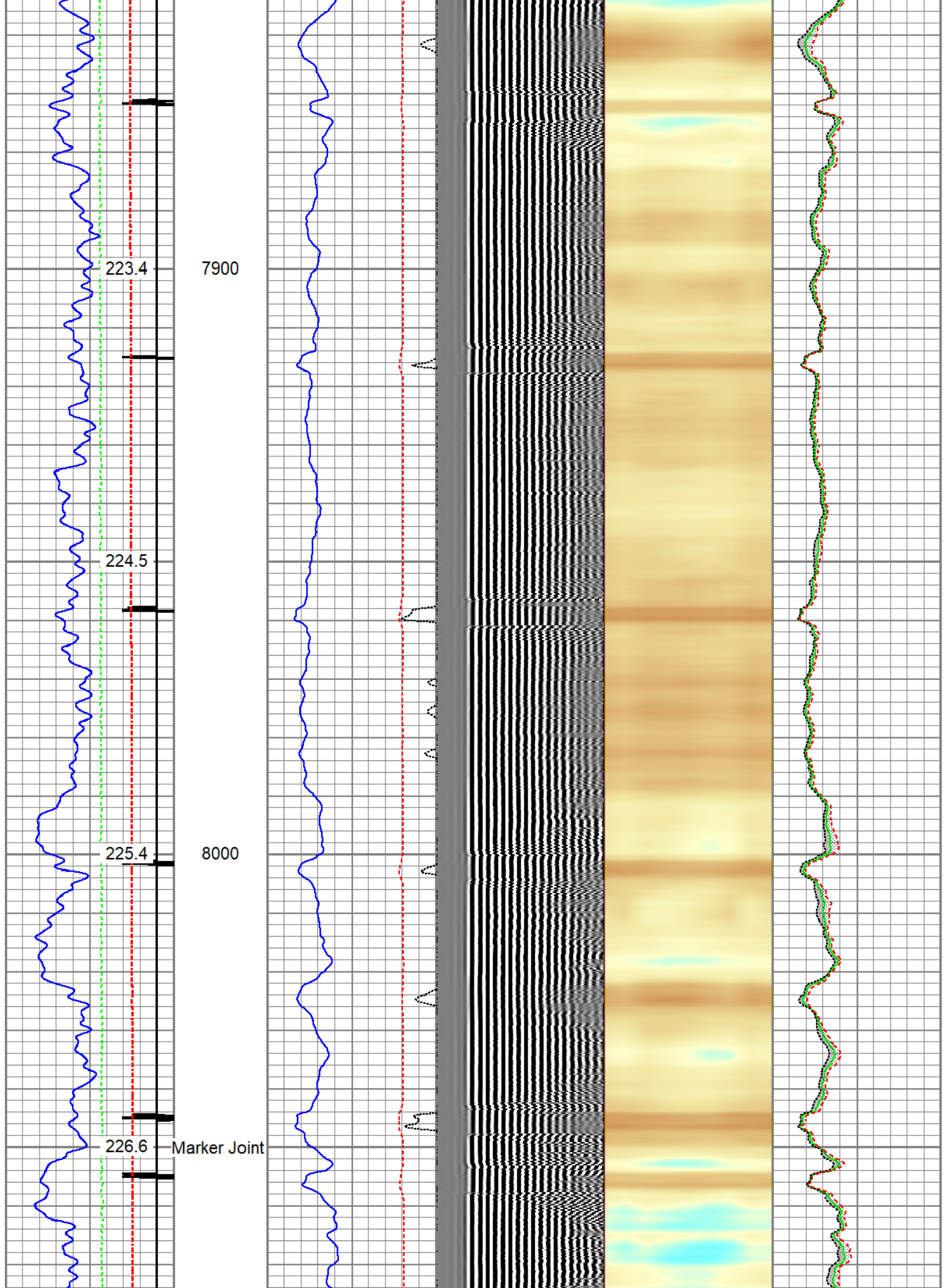


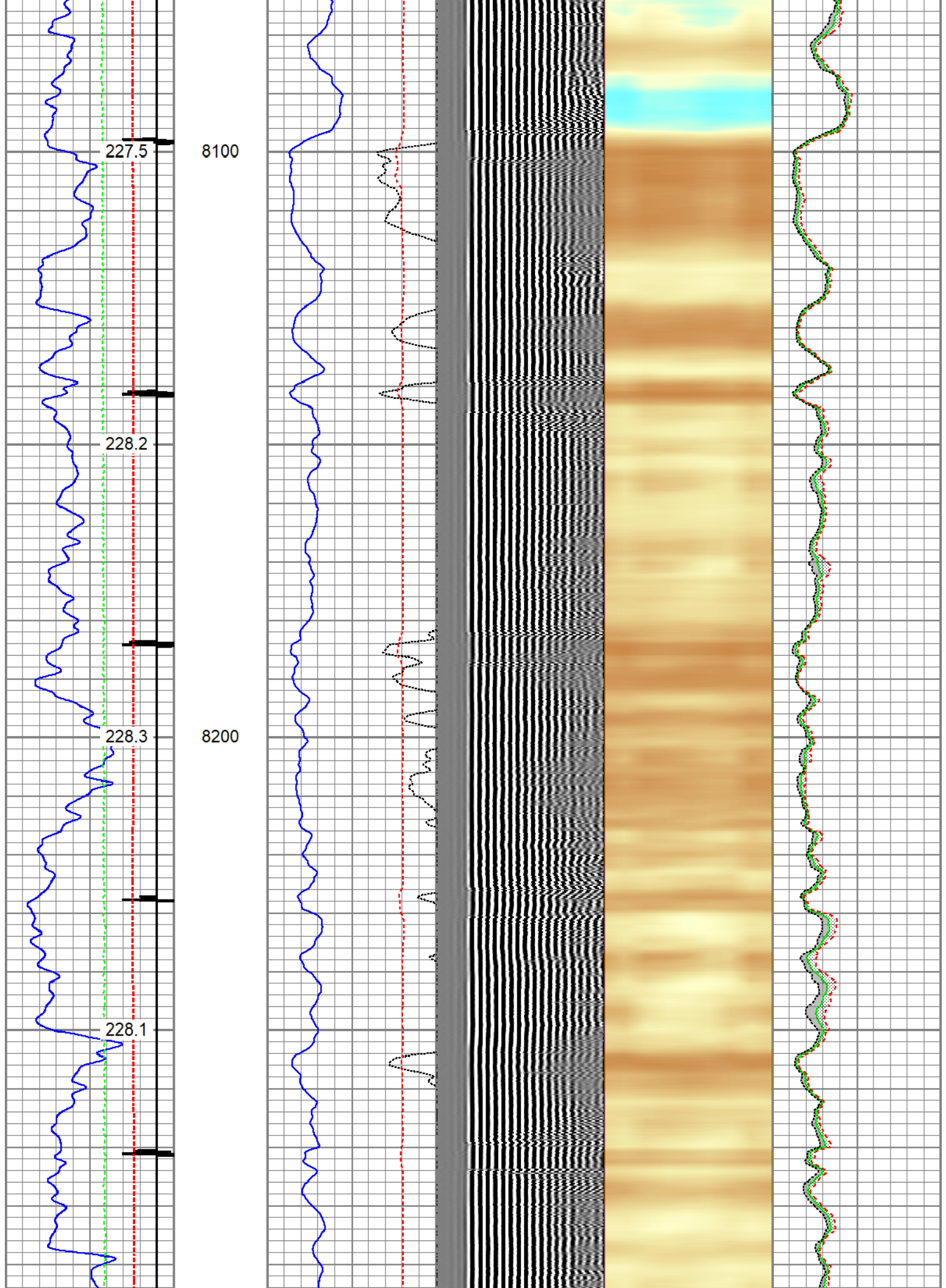




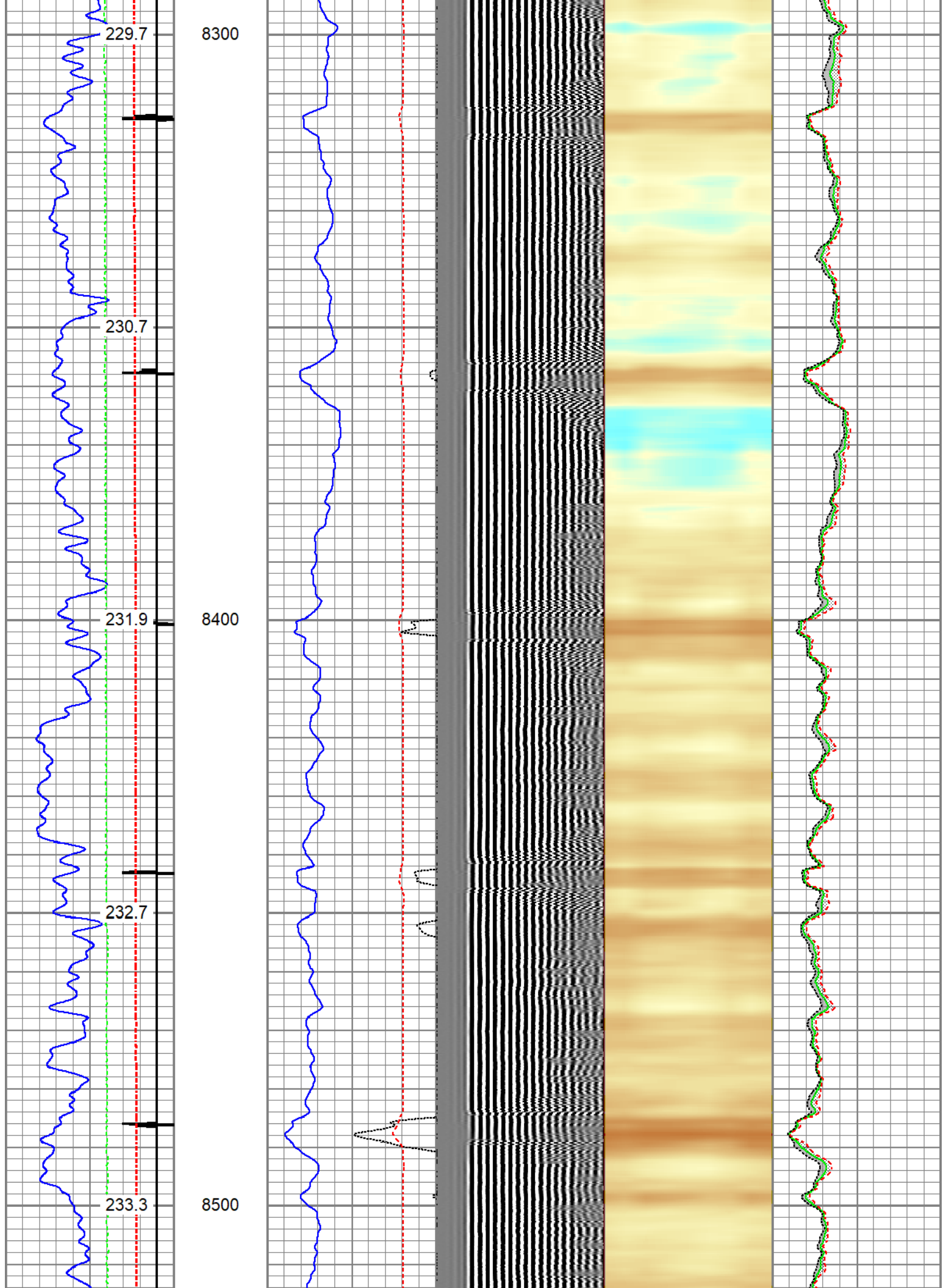


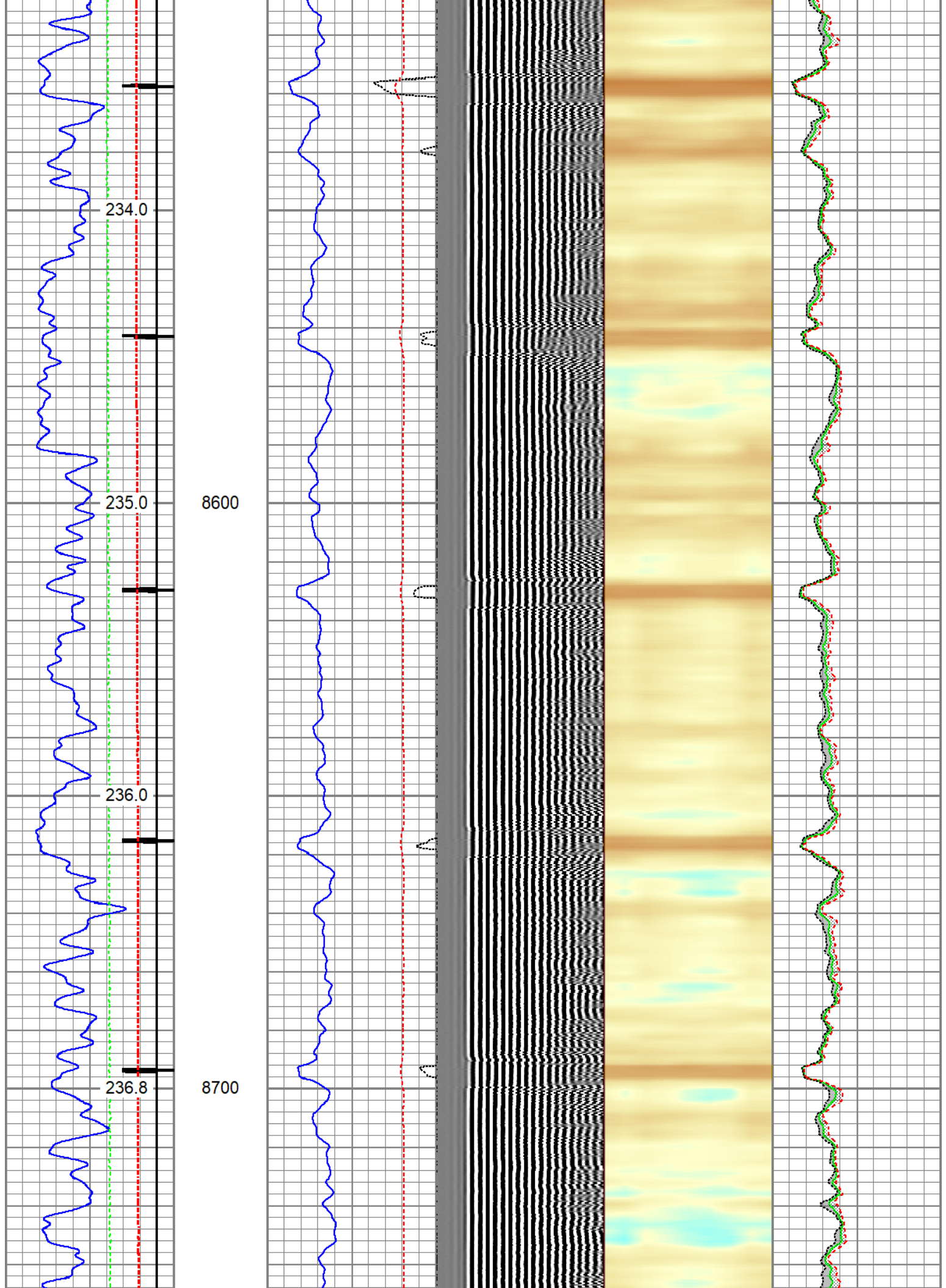


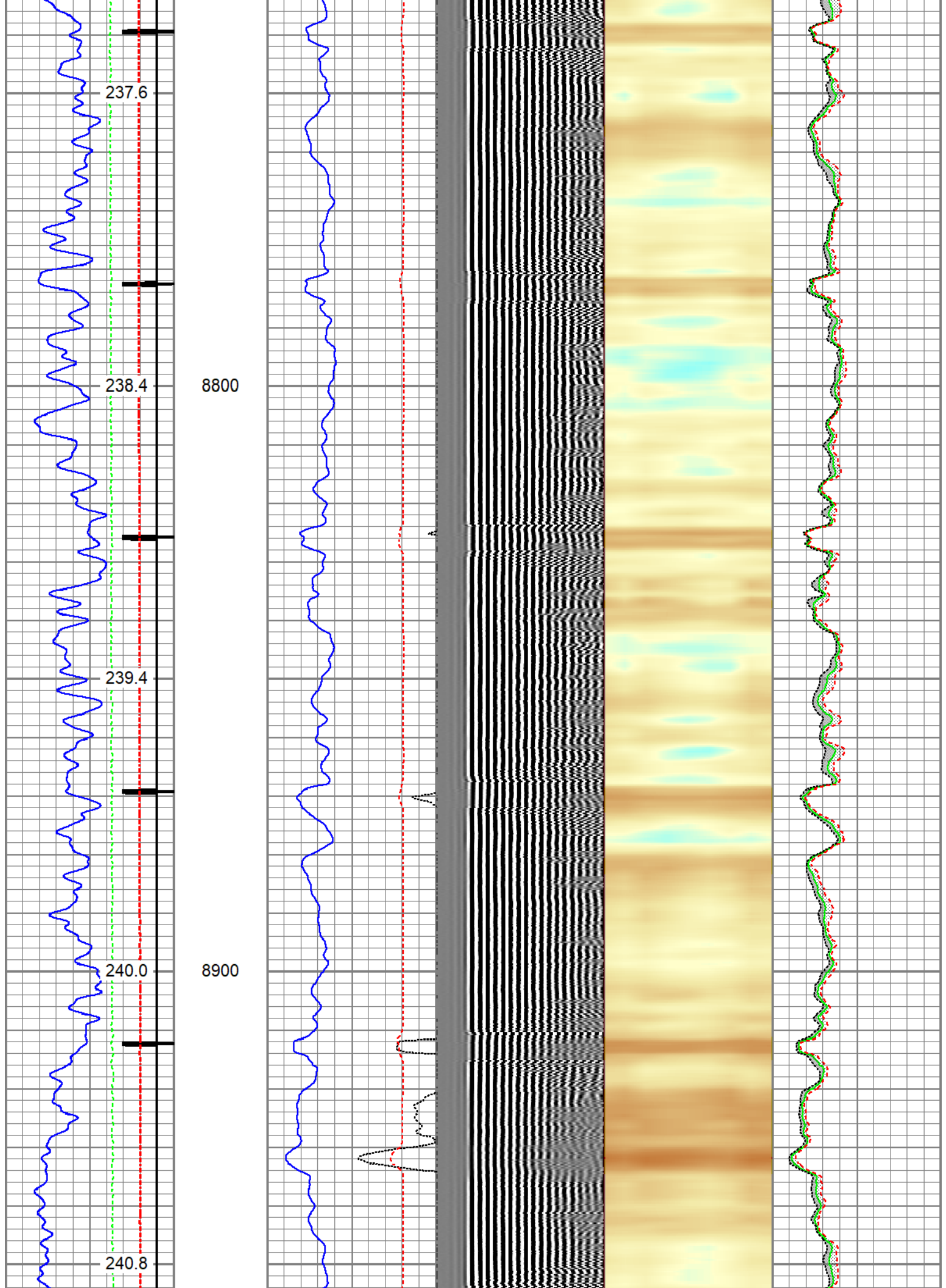




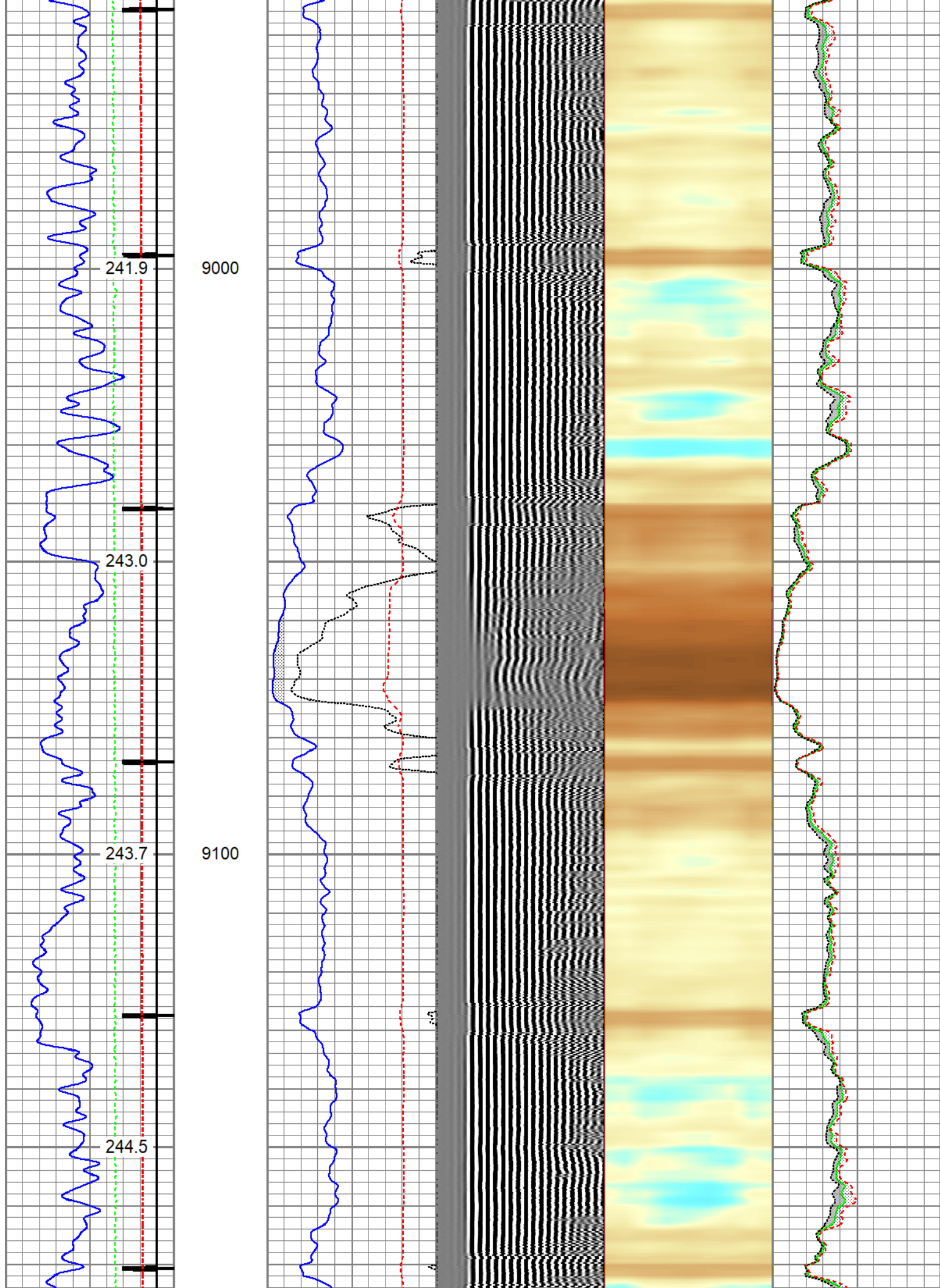


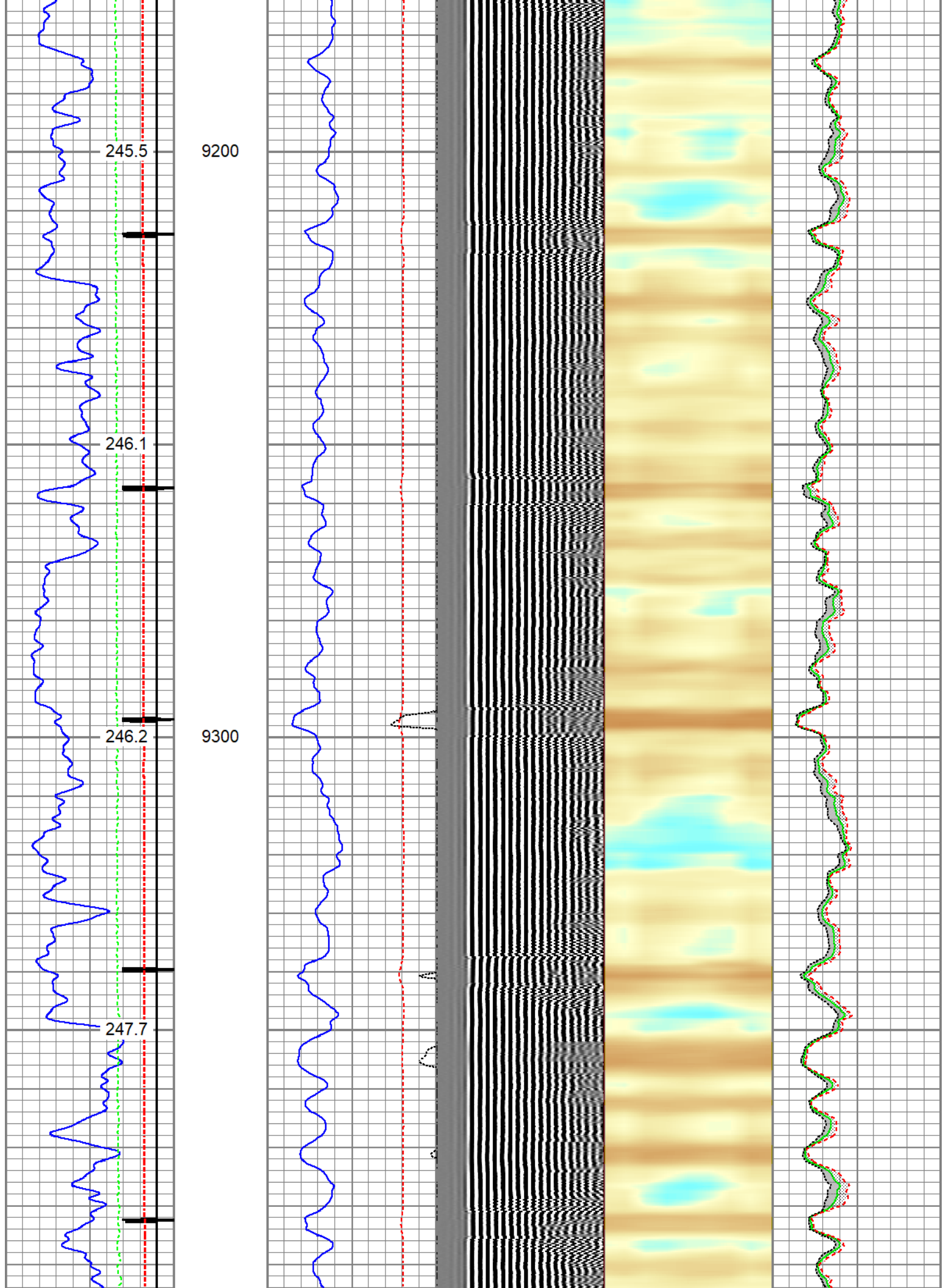


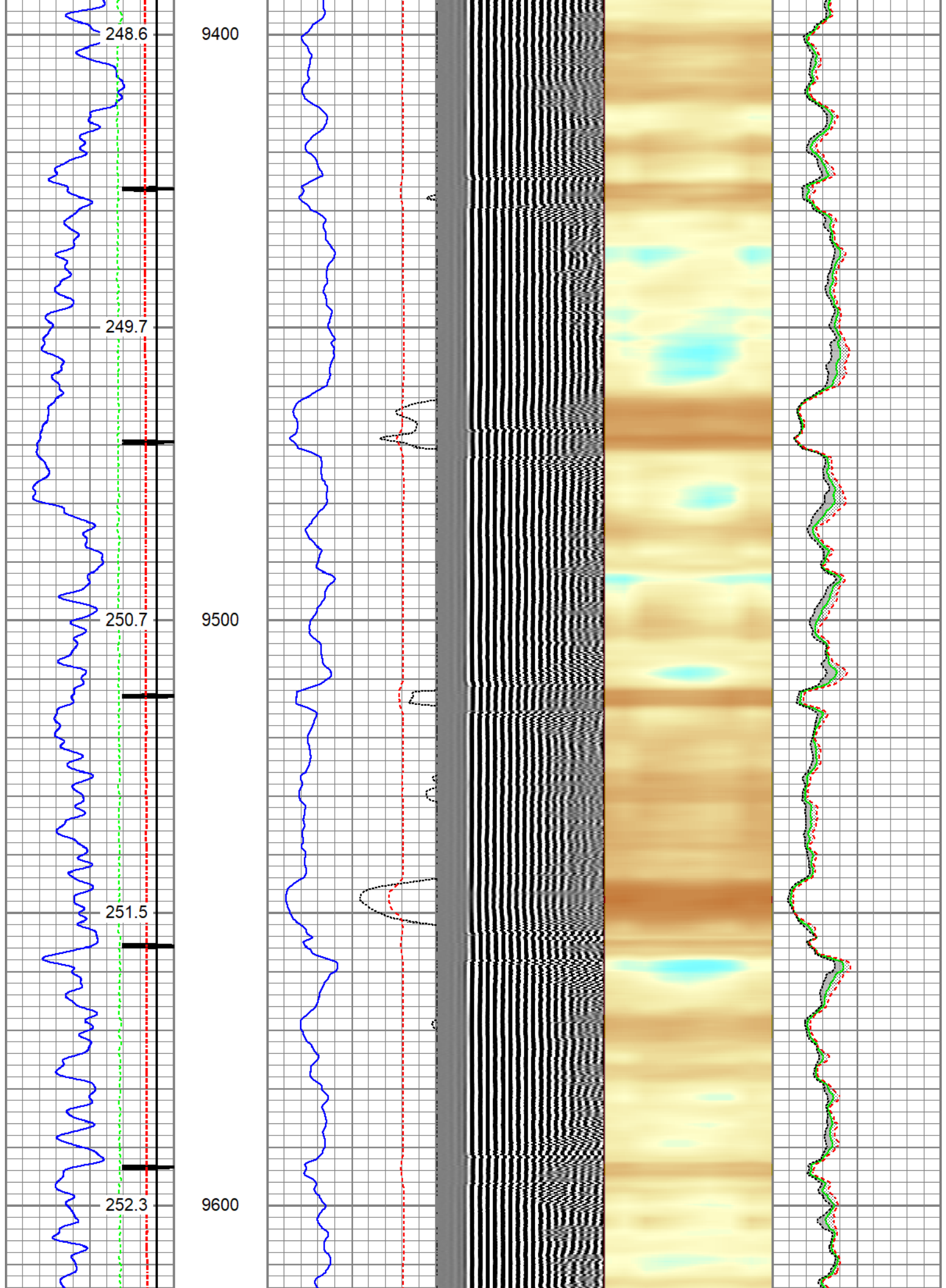




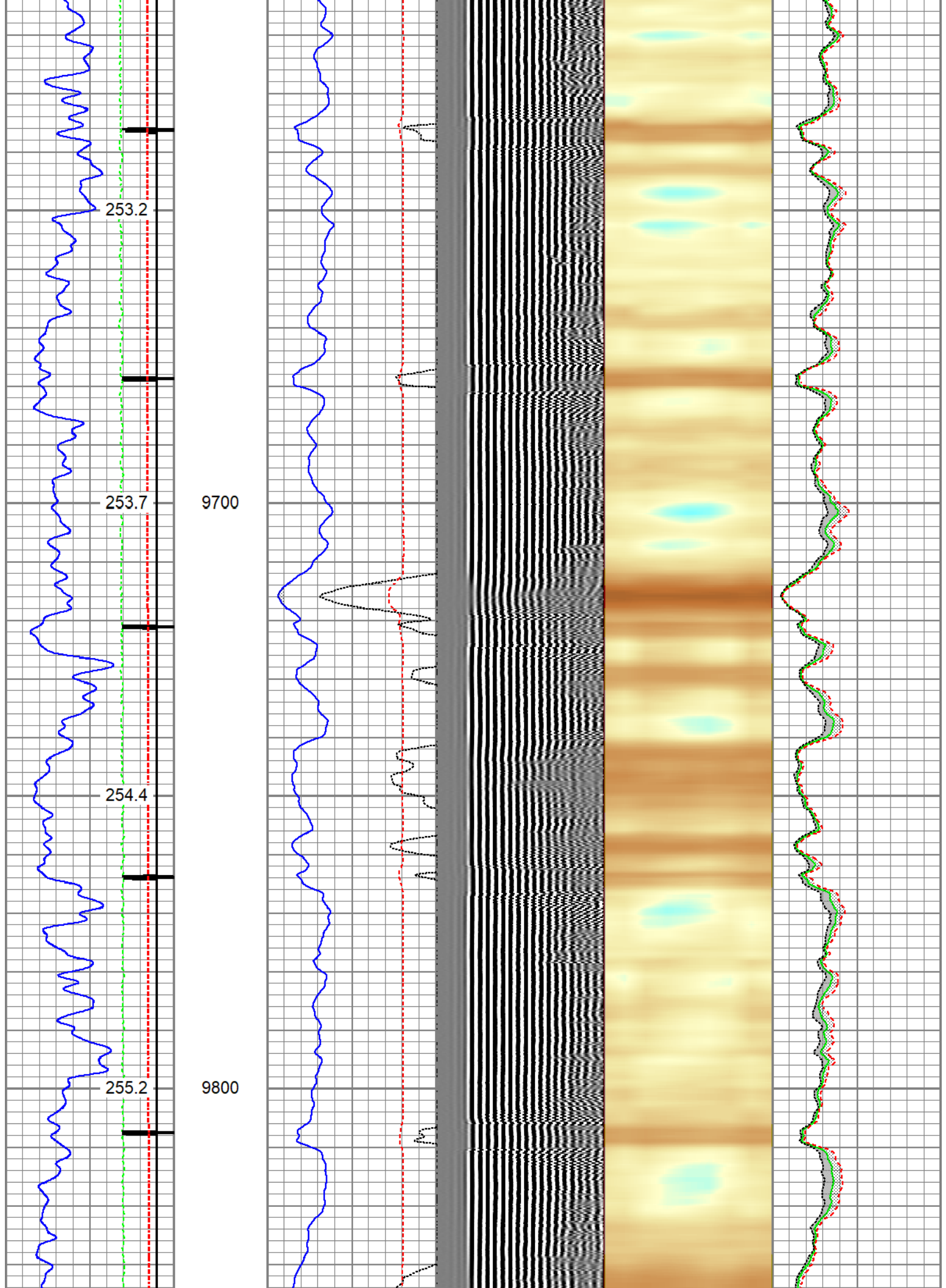


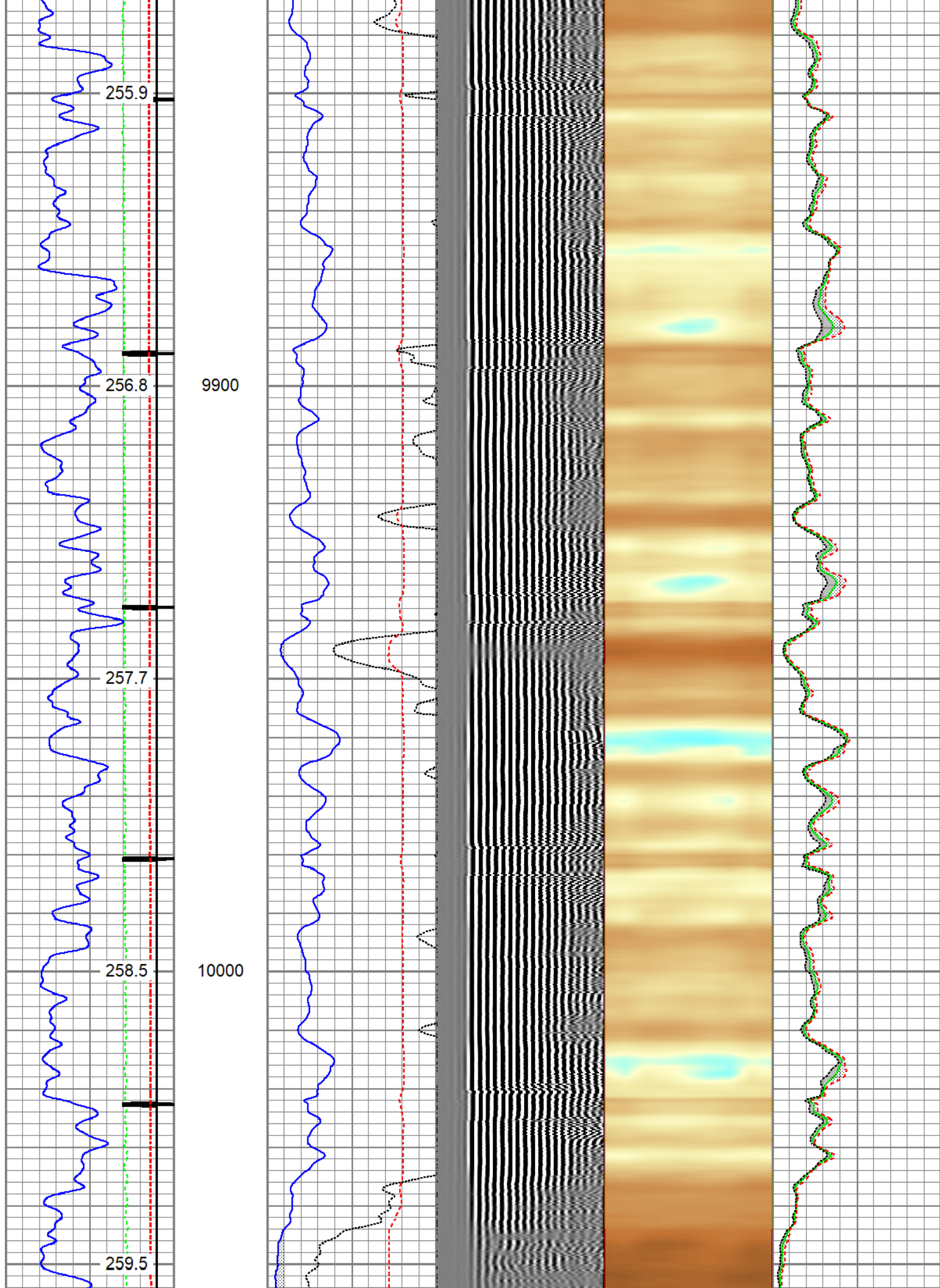


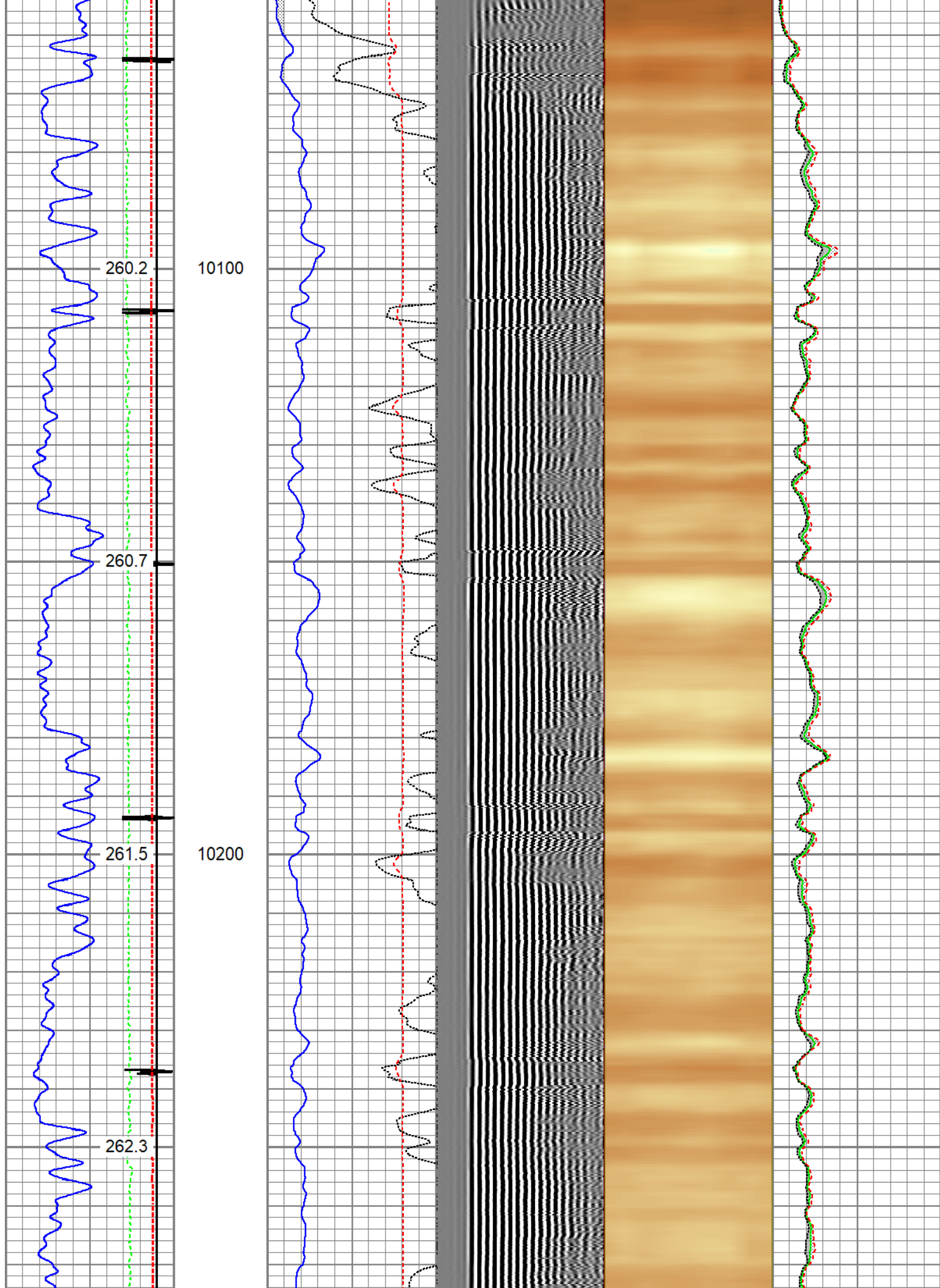




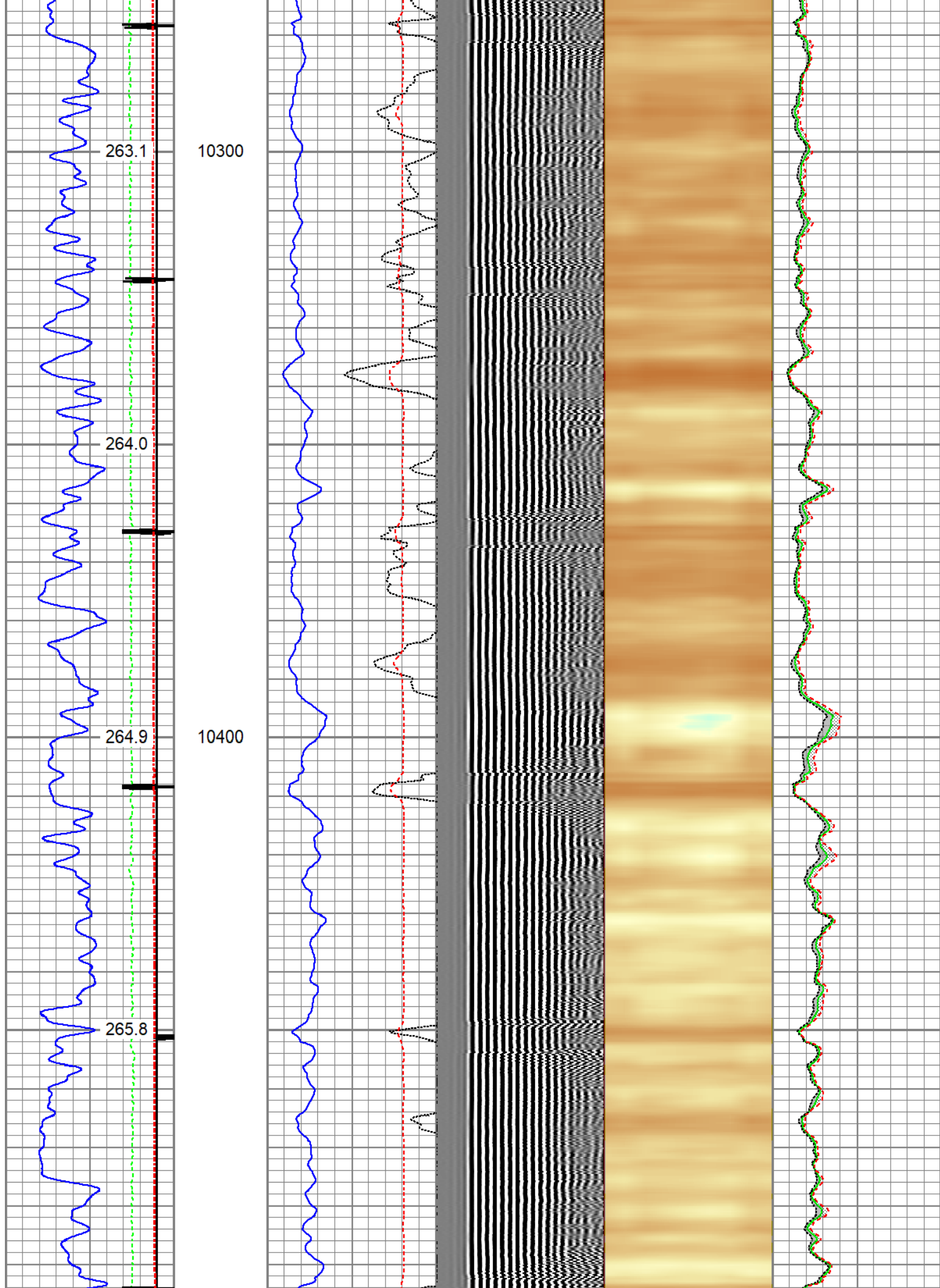


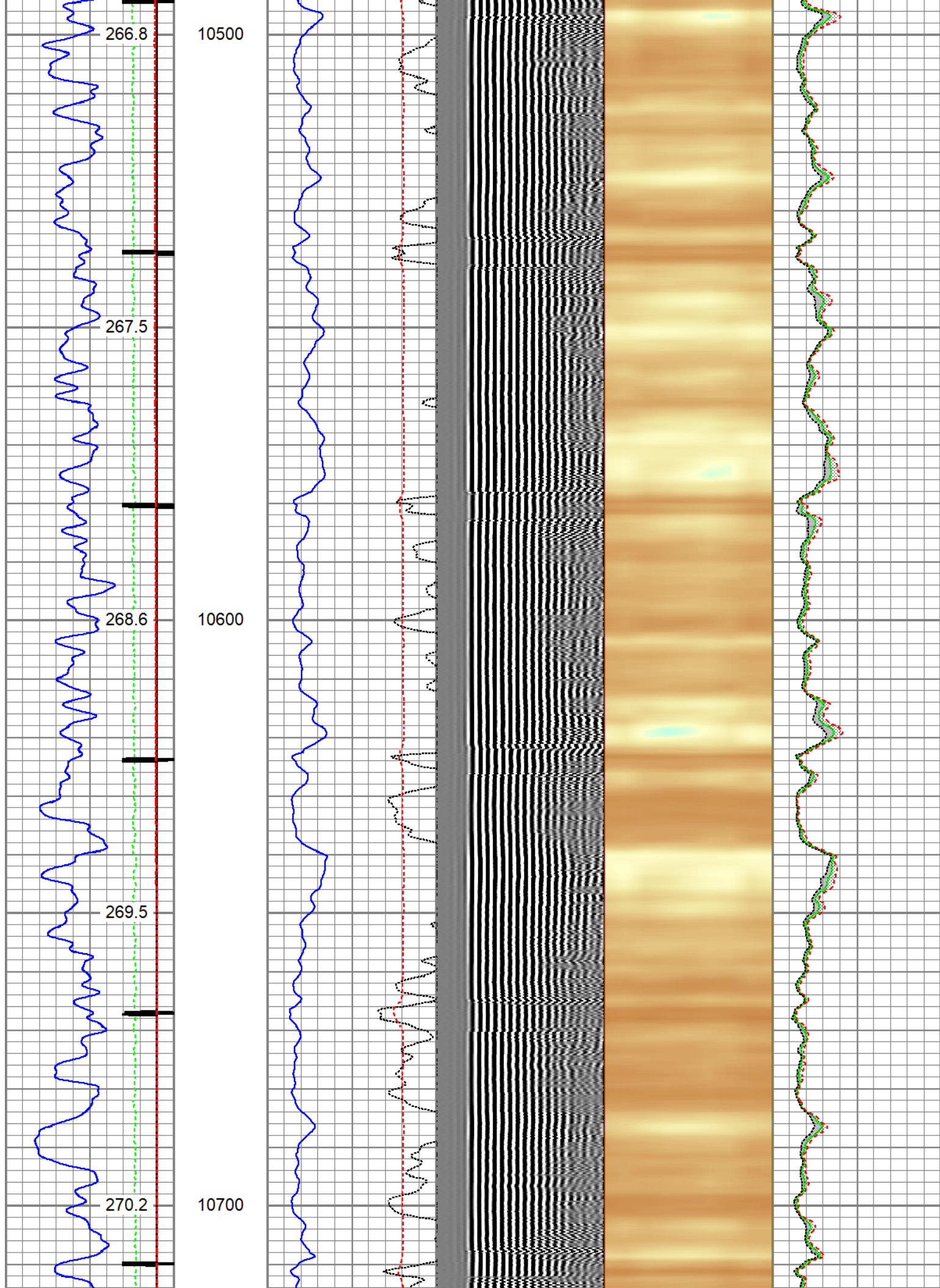


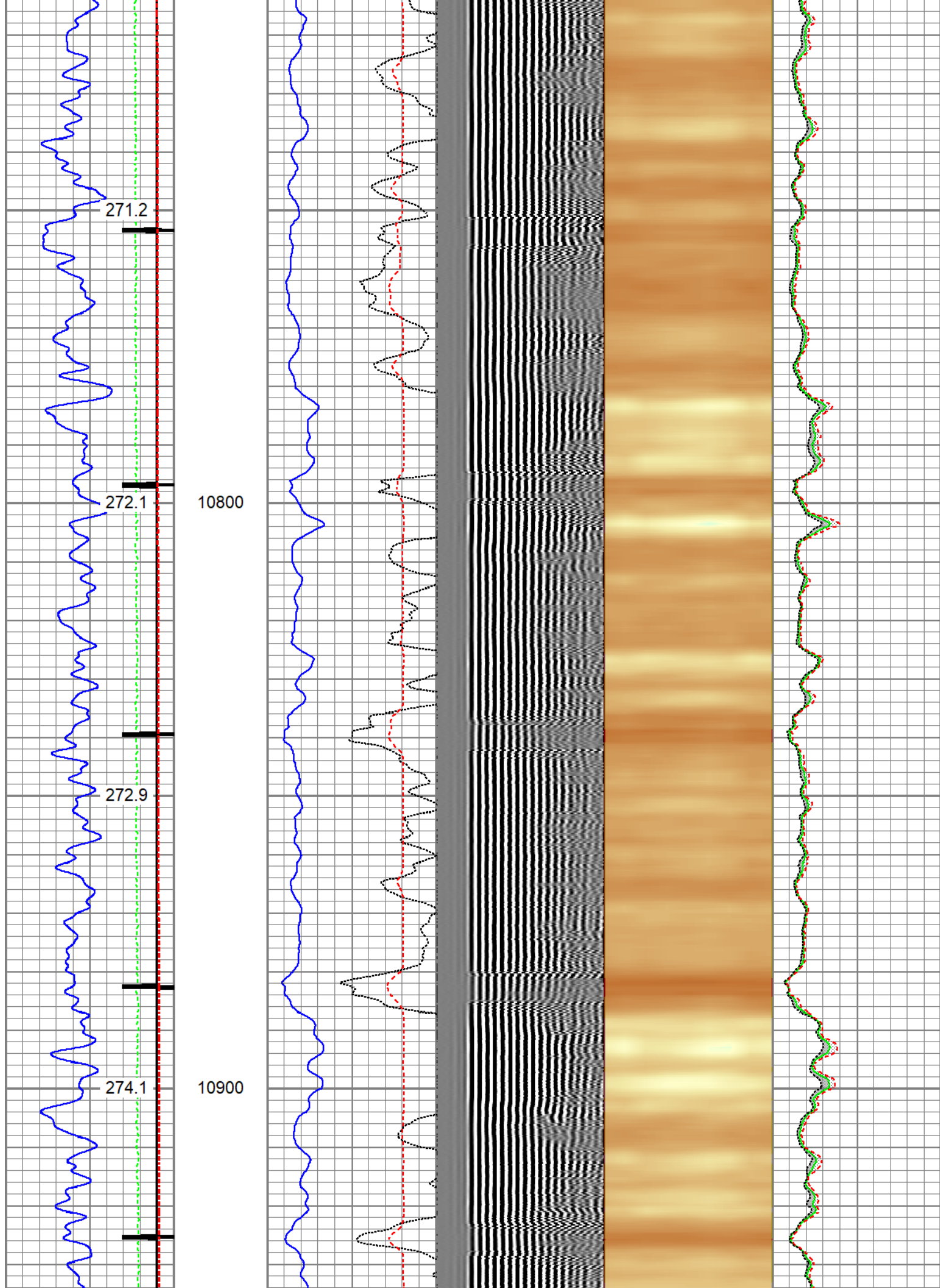




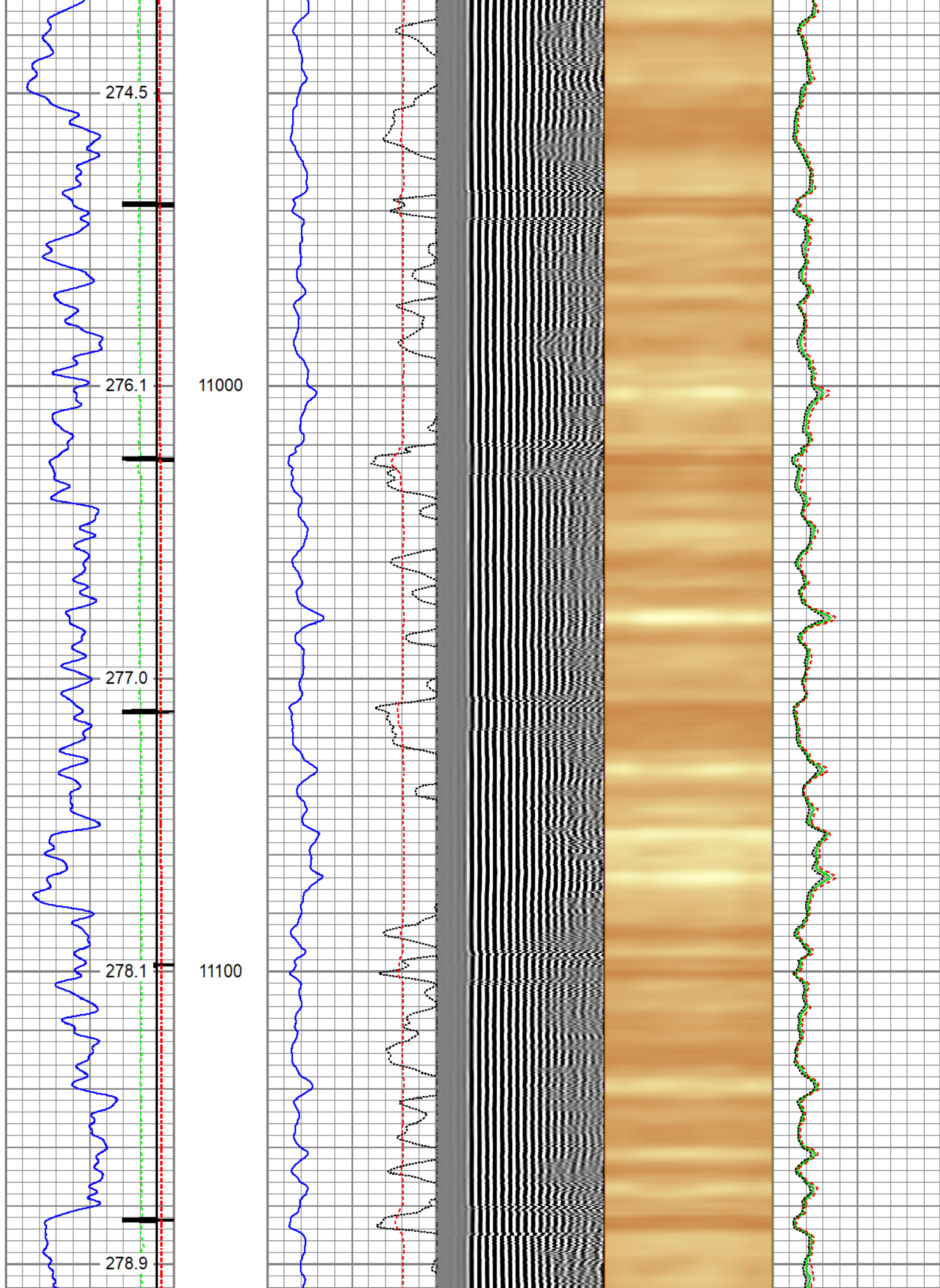


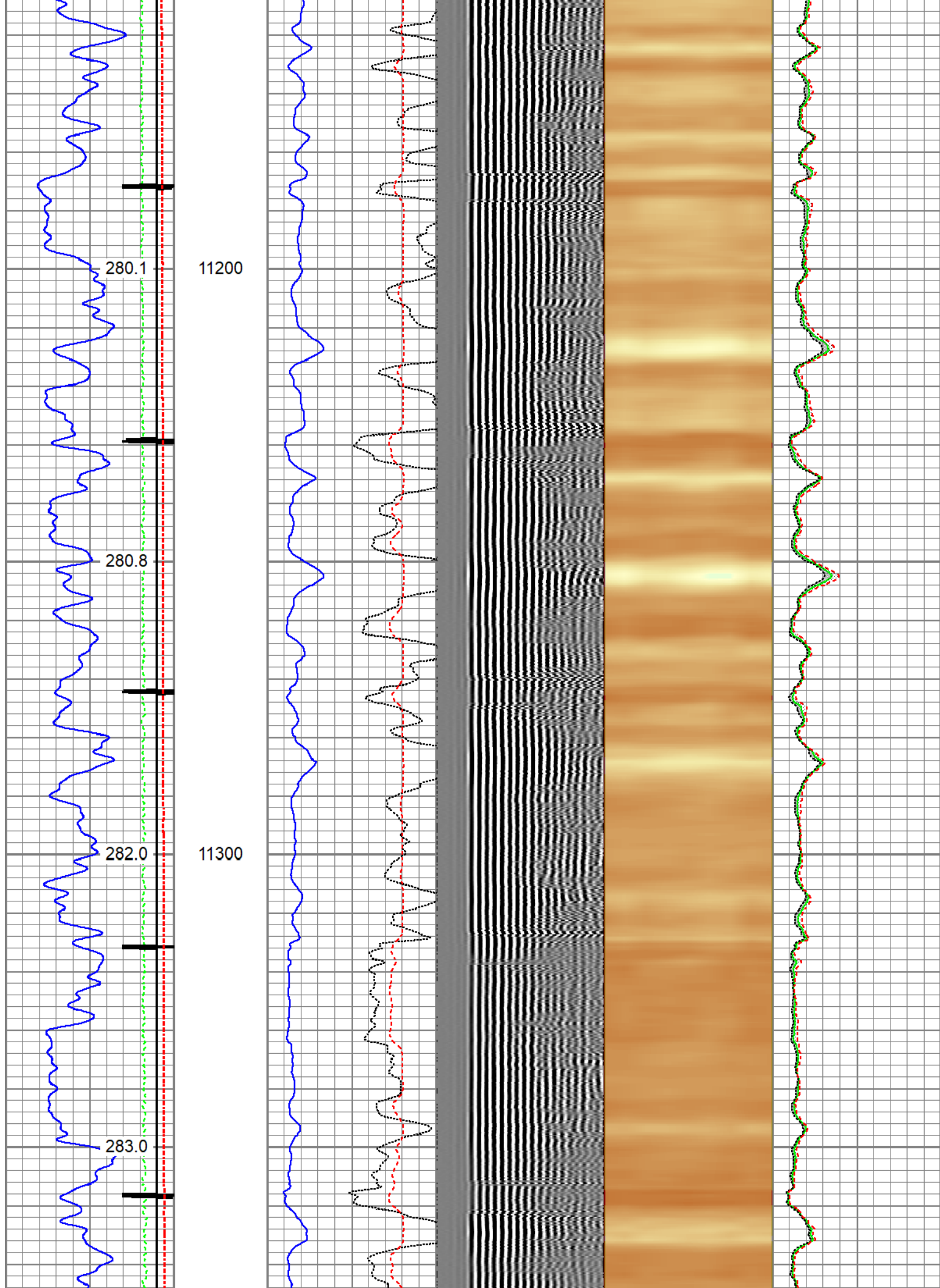


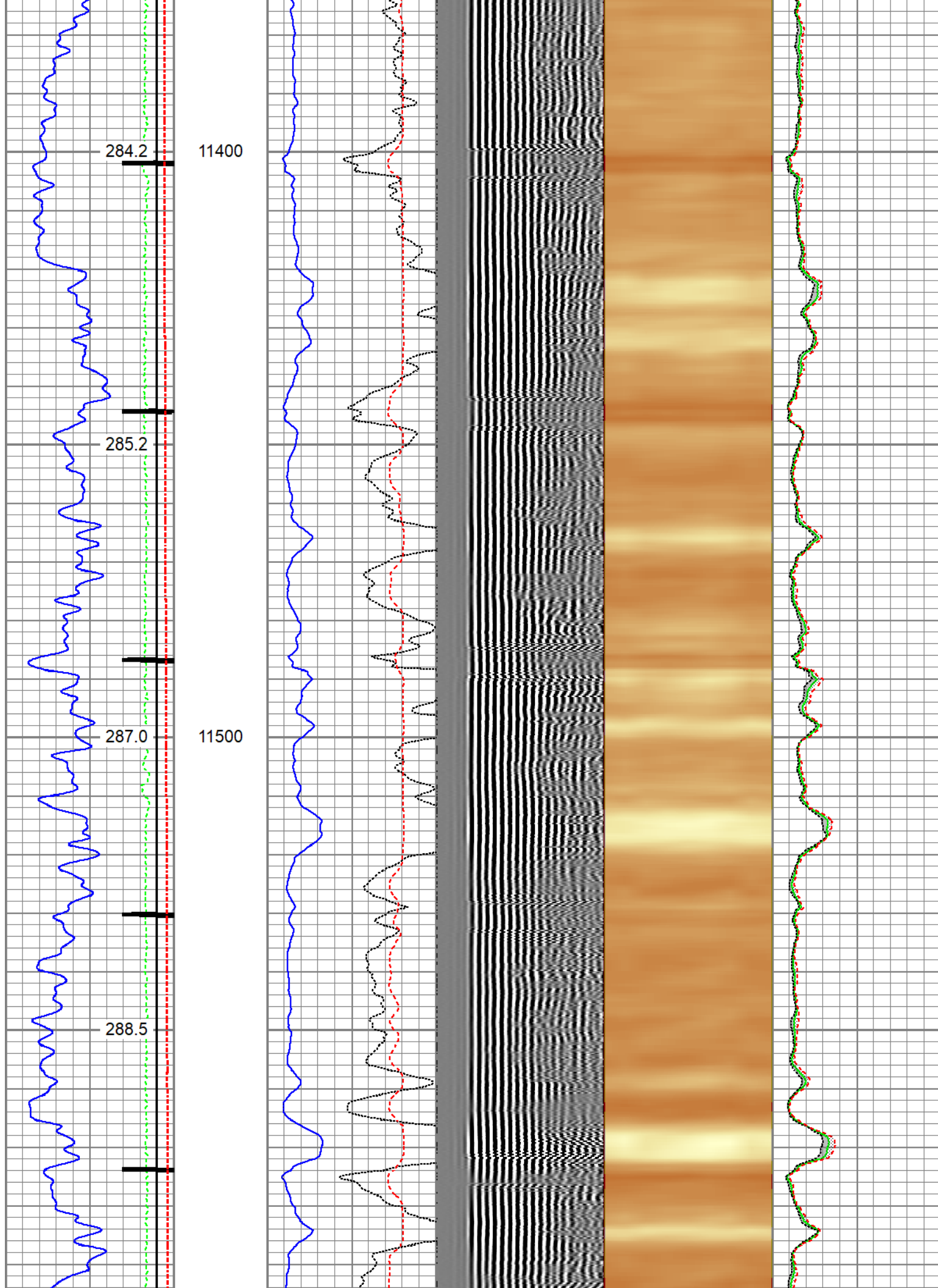




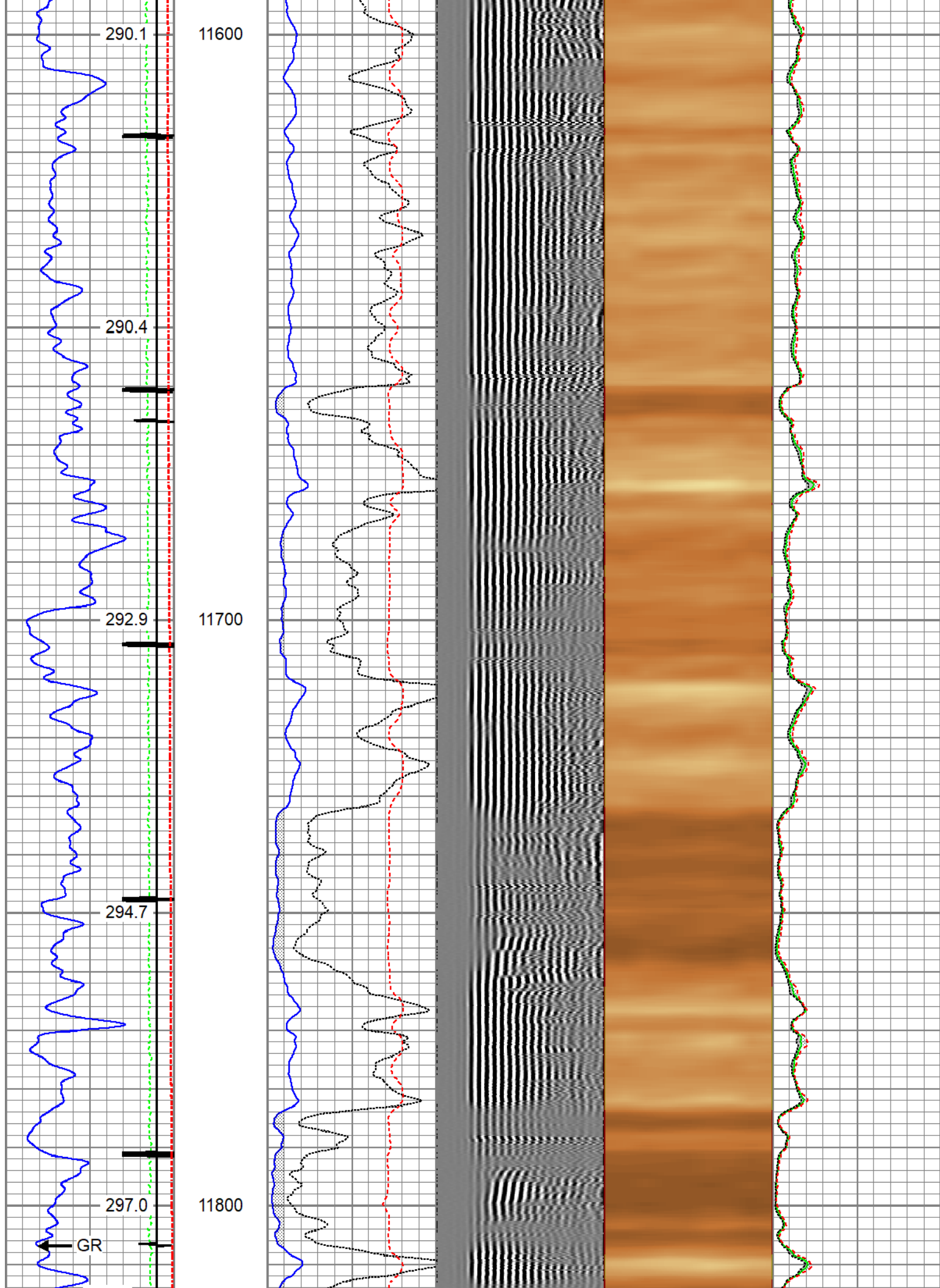


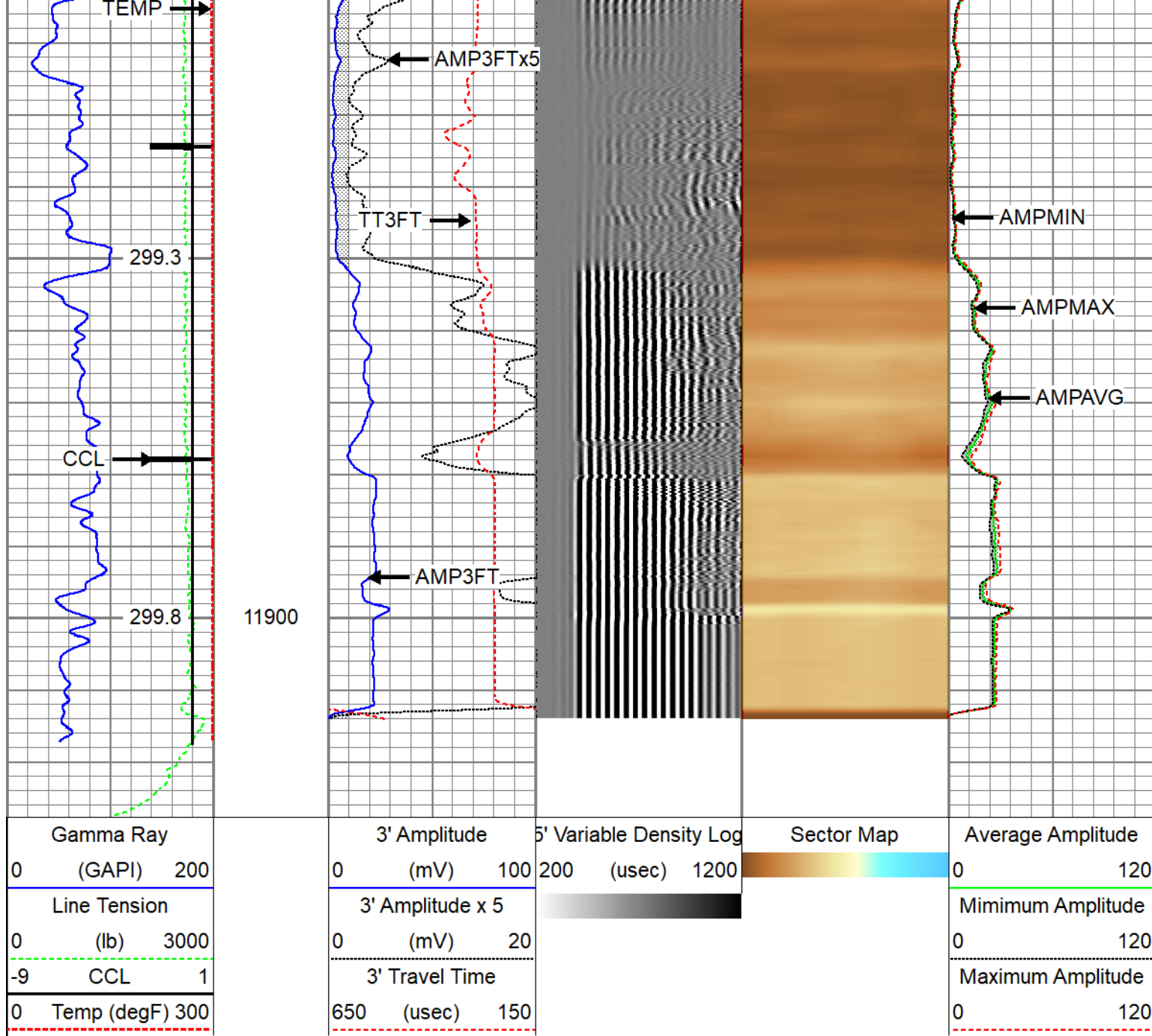








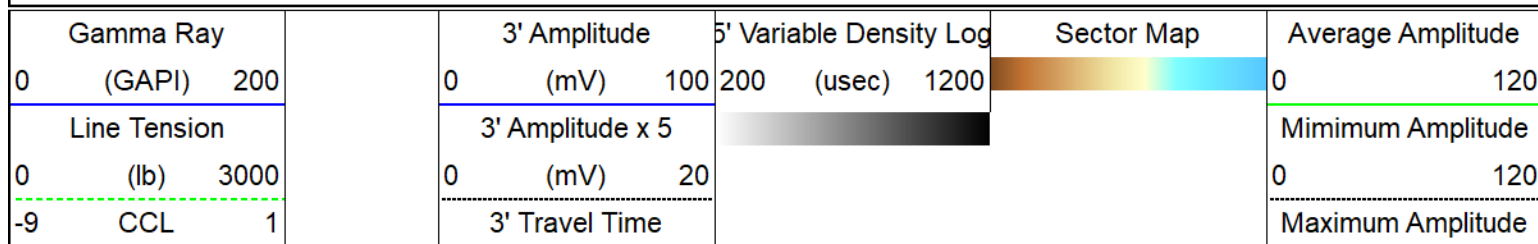


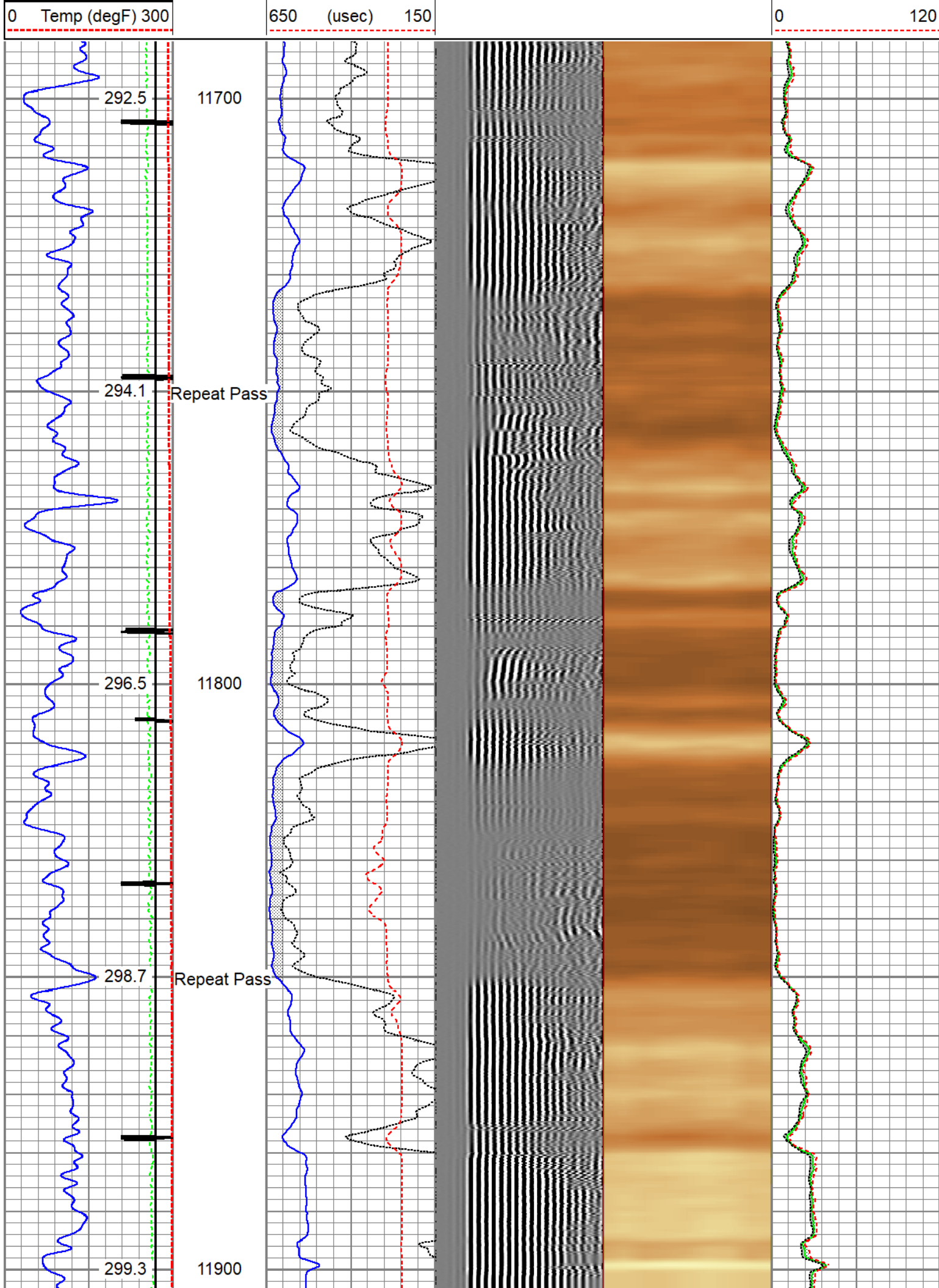




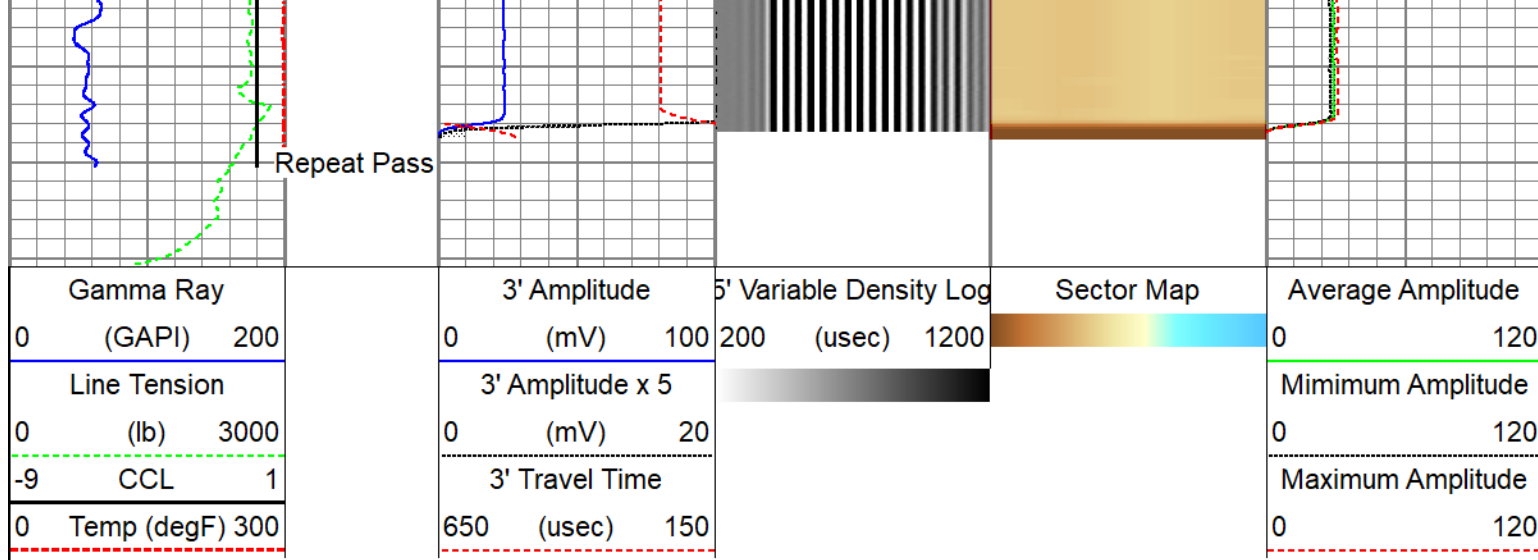
## Repeat Pass 5" = 100'

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Dataset Pathname	repeat
Presentation Format	twgrcbl
Dataset Creation	Fri Dec 23 07:35:34 2022
Charted by	Depth in Feet scaled 1:240









Calibration Report				
Database File	caerus_bju b26 fed 13b-26-496_rcbl-cnI_12-23-2022.db			
Dataset Pathname	main			
Dataset Creation	Fri Dec 23 07:42:02 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
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Inclinometer Calibration Report
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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
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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

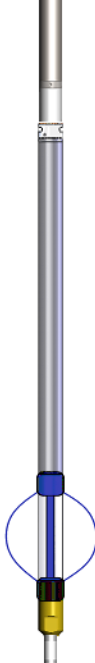
Air Zero Calibration, performed Thu Dec 22 08:34:24 2022:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						


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					
WVF5FT	13.82					
GCT_HV	10.95		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
RBT_ACCZ	10.57					
RBT_ACCY	10.57					
RBT_ACCX	10.57					
WVFSYNC	10.57					
WVFCAL	10.57					
CCL\$2	9.96					
CCL\$1	9.96					
GCT_TEMP	9.08					
GR	8.28					
GCT_IntTemp	7.24		GCacc-GCTacc_6-Pin-Base (110255) Probe 2.75" Gamma Ray - CCL w/ Temp and 6 Pin Bottom	5.00	2.75	



GCT_ACCZ	5.57					
GCT_ACCY	5.57					
GCT_ACCX	5.57					
CNLSC	2.24		CNT-275Dig (FW1409-35) Probe Digital CNL	5.24	2.75	40.00
CNSSC	1.81		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
			Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00
Dataset: caerus_bju b26 fed 13b-26-496_rcbl-cn1_12-23-2022.db: field/well/run1/main						
Total length: 19.32 ft						
Total weight: 181.00 lb						
O.D.: 3.25 in						

Company	Caerus Piceance LLC.				
Well	BJU B26 Fed 13B-26-496				
Field	Grand Valley				
County	Garfield	State	Colorado		
		Radial Cement Bond			
		Gamma Ray			
		Casing Collar Log			