



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company	Caerus Piceance LLC.	Country	USA
Well	BJU B26 Fed 12D-26-496		
Field	Grand Valley		
County	Garfield		
State	Colorado		
Company	Caerus Piceance LLC.		
Well	BJU B26 Fed 12D-26-496		
Field	Grand Valley		
County	Garfield		
State	Colorado		
Country	USA		
Location:	API # : 05-045-24456	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	22-DEC-2022		
Run Number	One		
Depth Driller	11998 FT		
Depth Logger	11852 FT		
Bottom Logged Interval	11839 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	13:00		
Equipment Number	8045		
Location	Grand Junction Colo		
Recorded By	P. Edwards		
Witnessed By	Z. Fisher		
Run Number	8.75"	From	To
Bit	Surface	11998 FT	
Size			
Wgt/Ft			
Top			
Bottom			
Casing Record			
Surface String	9.625"	36	2998.3 FT
Prot. String	4.5"	11.6	11973.2 FT
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 7958 FT - 7968 FT  
Log ran from 11852 FT to Surface  
Log ran with 0 PSI surface induced pressure.

Thank you for choosing The Wireline Group!!!



Main Pass 5" = 100'

Database Filecaerus\_bju b26 fed 12d-26-496\_rcbl-cnl\_12-22-2022.db

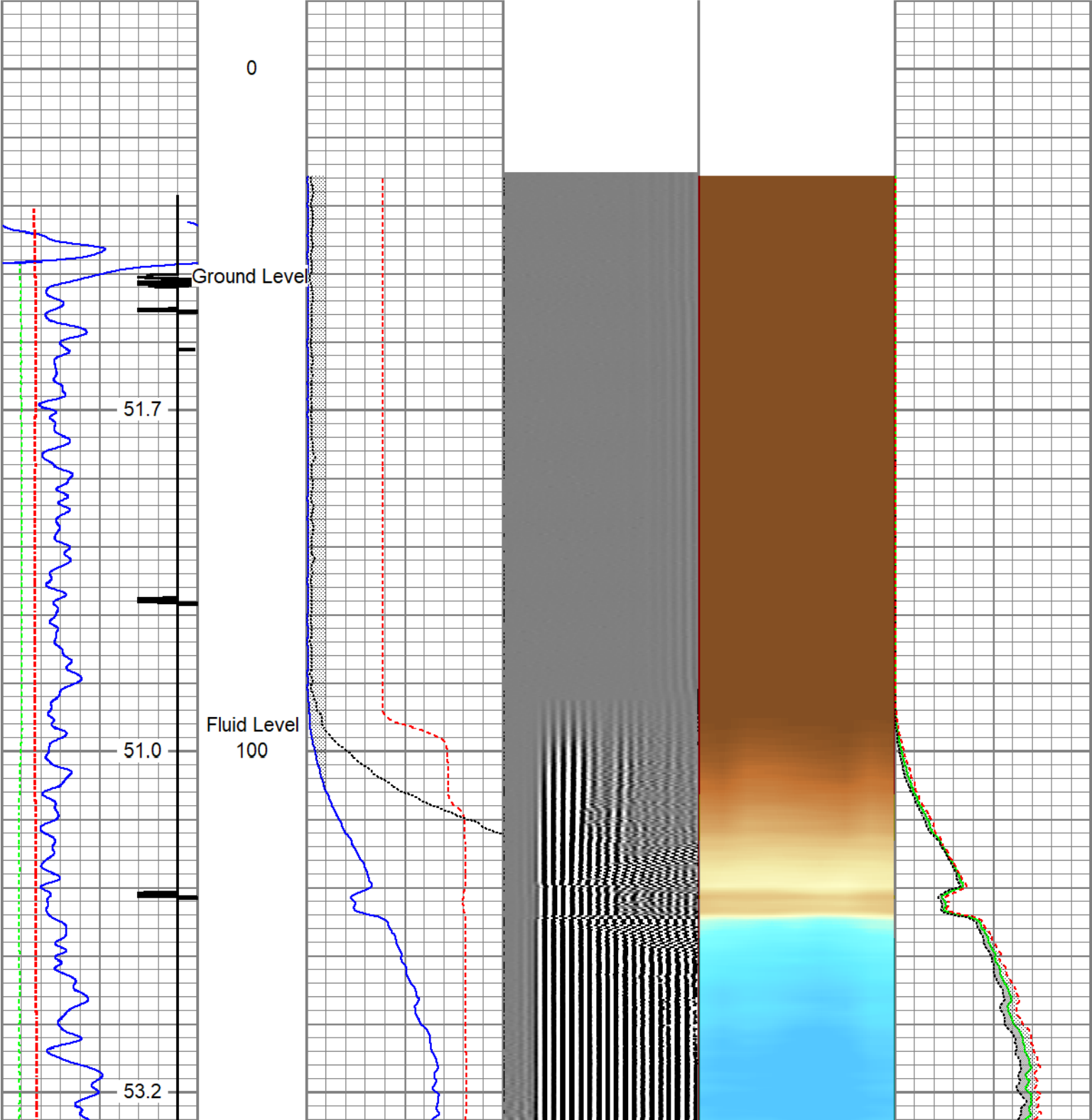
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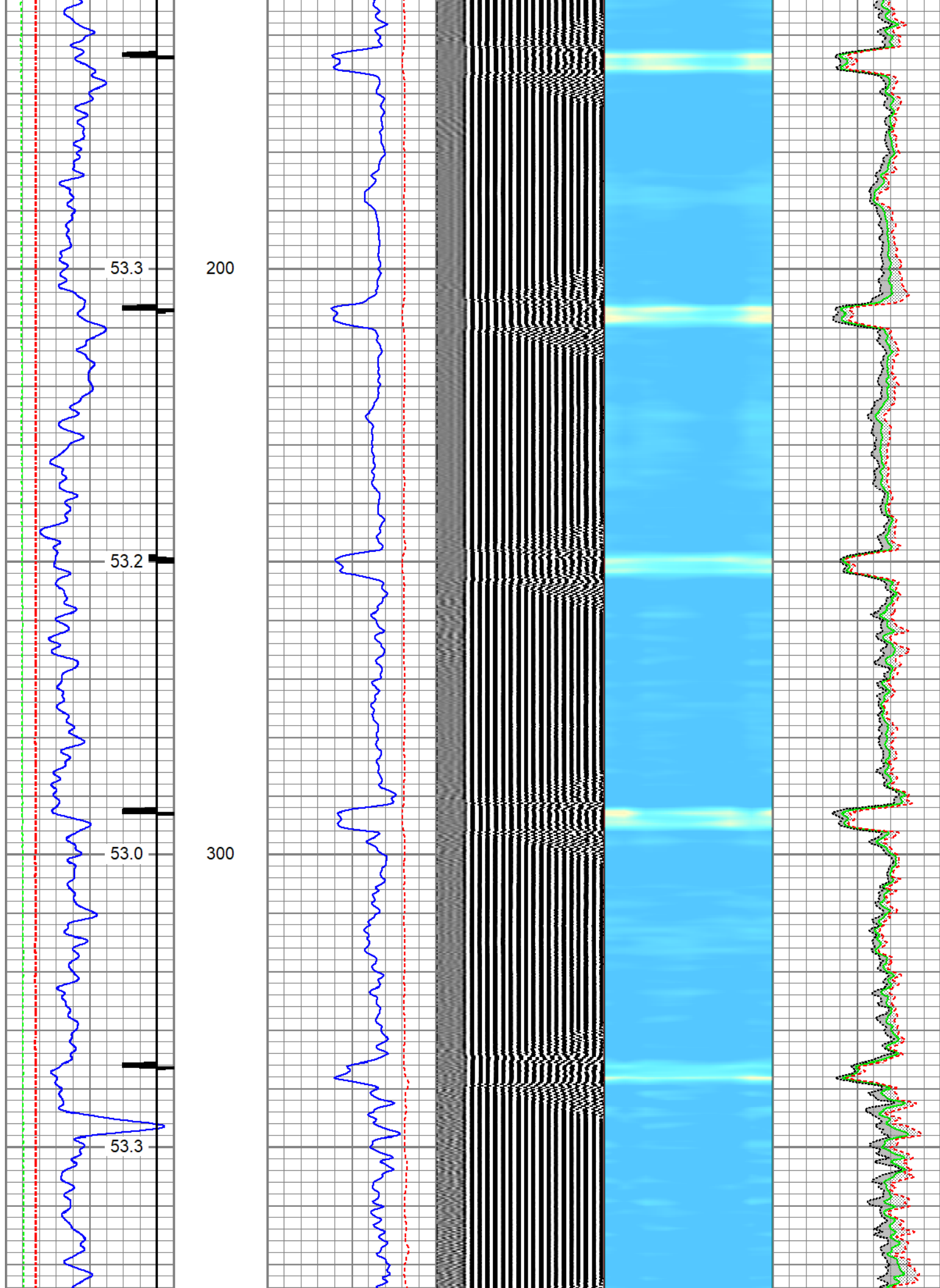
Presentation Formattwgrcbl

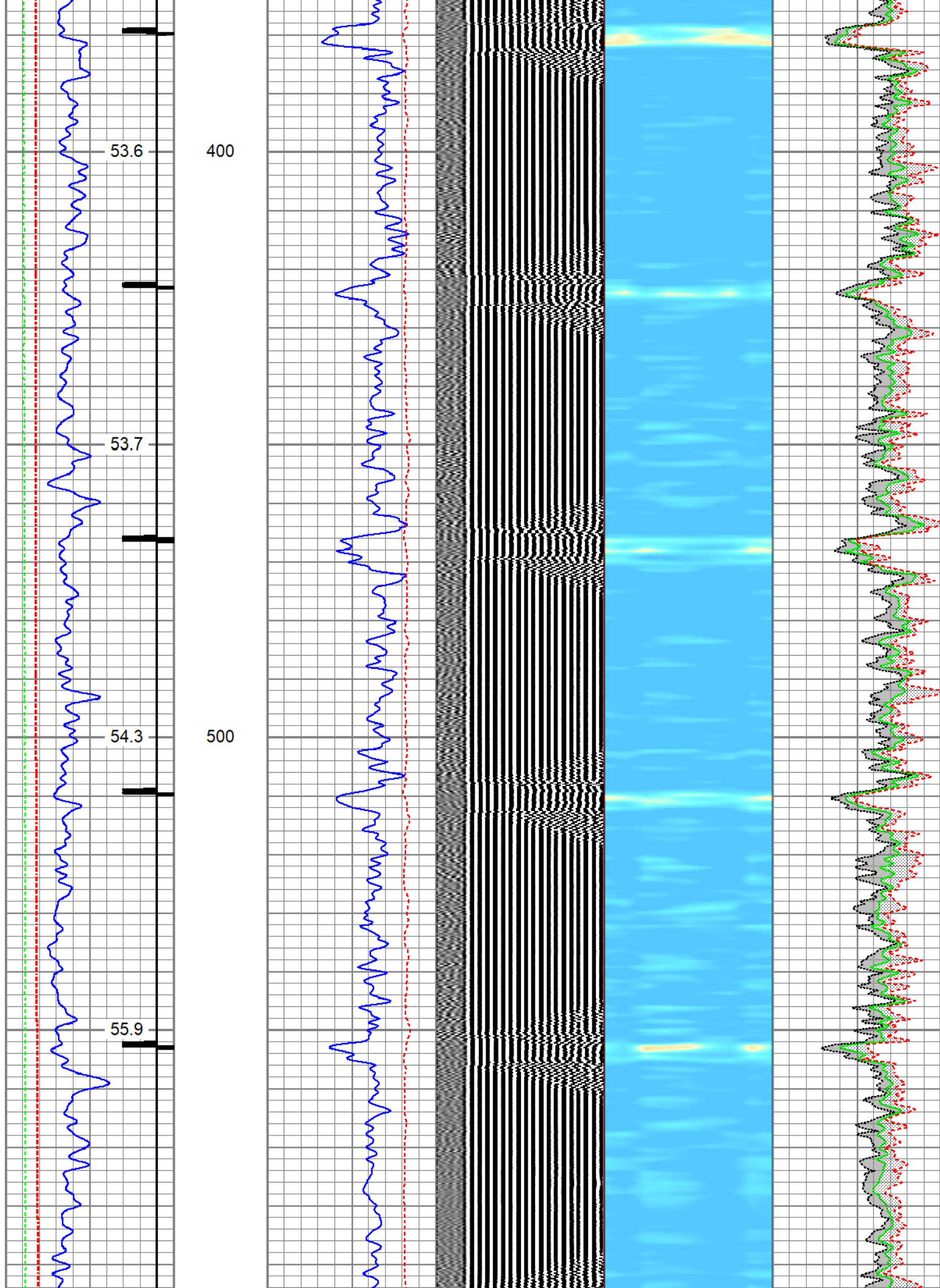
Dataset CreationThu Dec 22 13:00:57 2022

Charted byDepth in Feet scaled 1:240

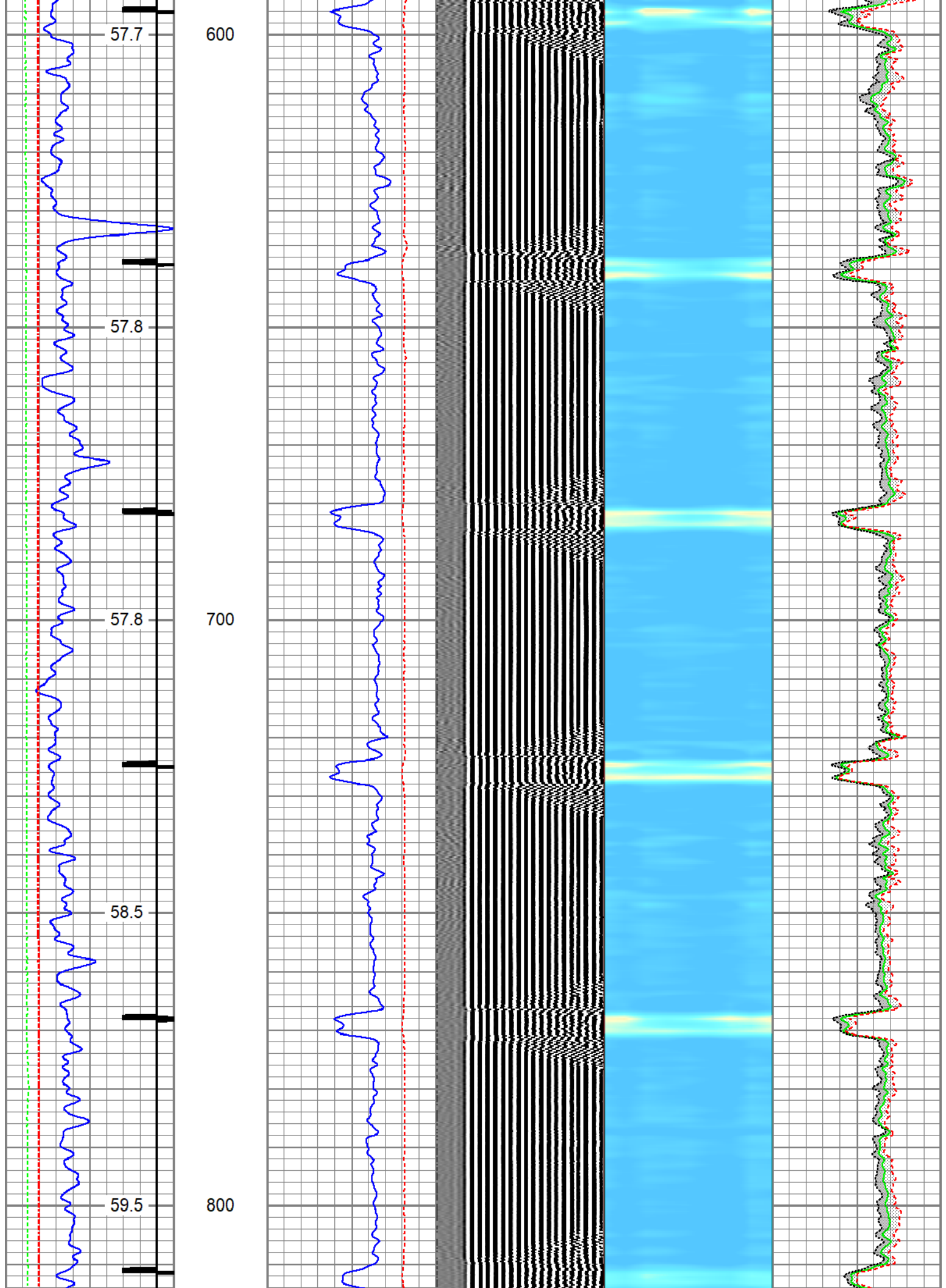
Gamma Ray		3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 200		0 (mV) 100	200 (usec) 1200		0 120
Line Tension		3' Amplitude x 5			Minimum Amplitude
0 (lb) 3000		0 (mV) 20			0 120
-9 CCL 1		3' Travel Time			Maximum Amplitude
0 Temp (degF) 300		650 (usec) 150			0 120

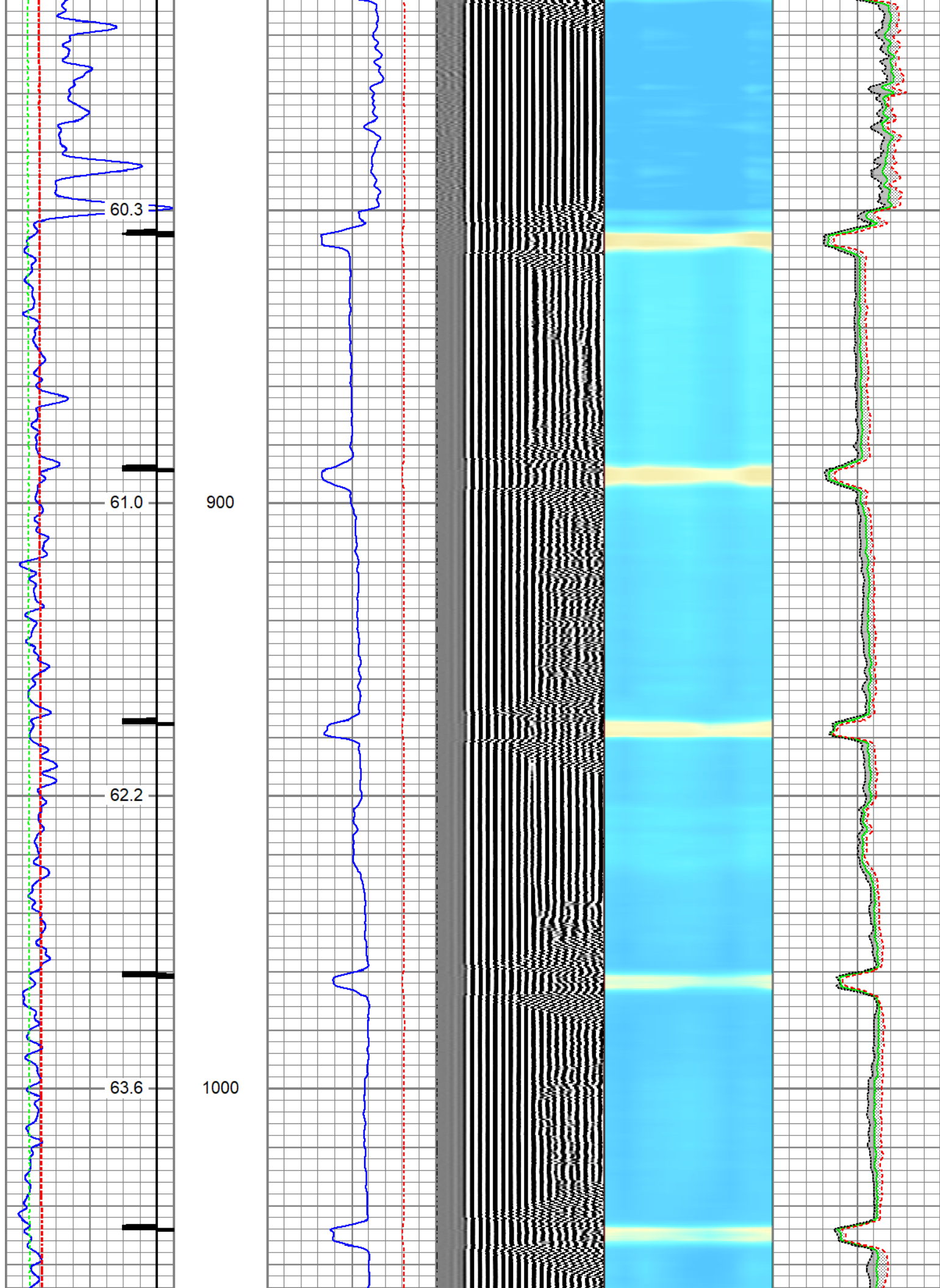


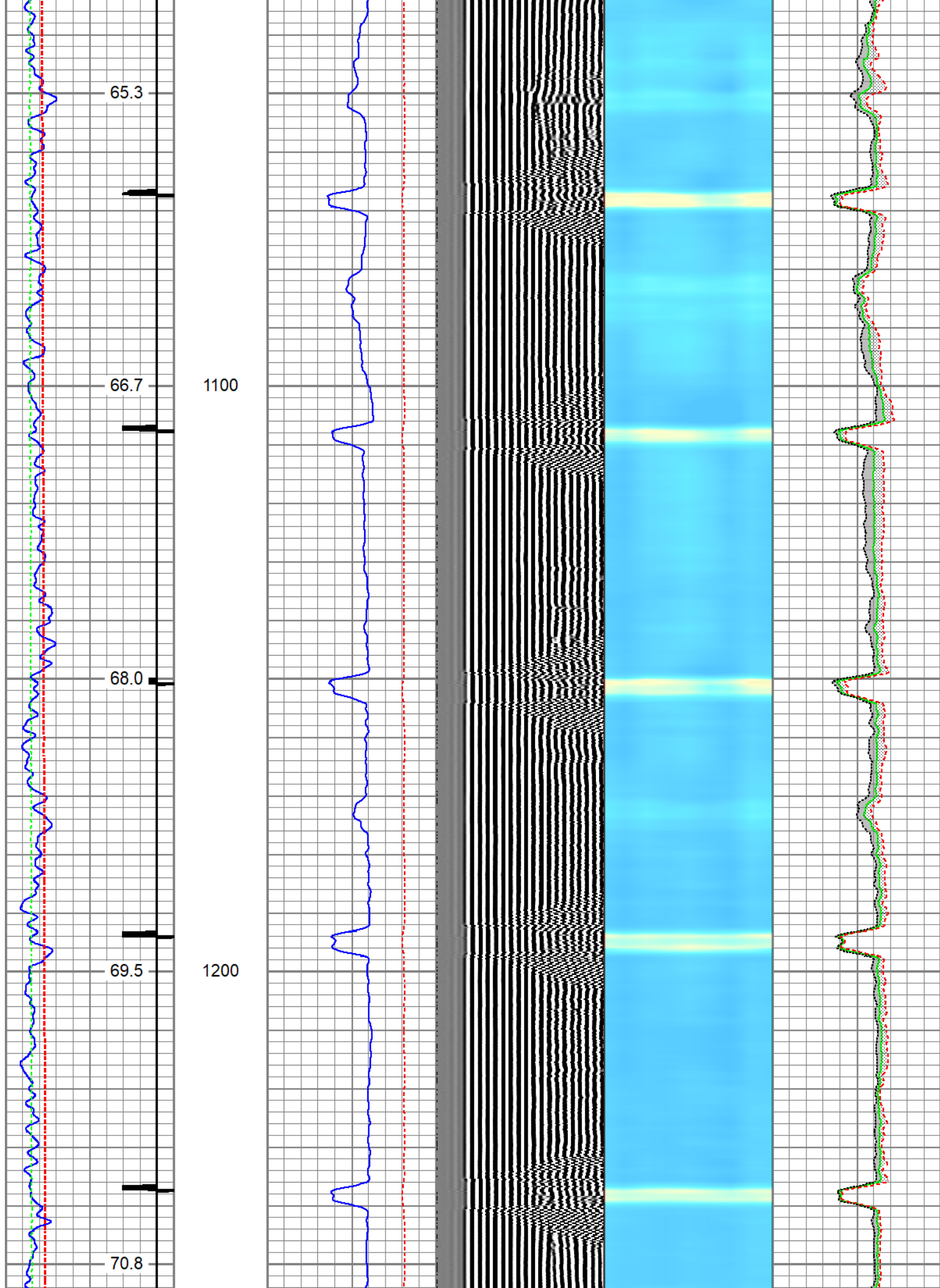


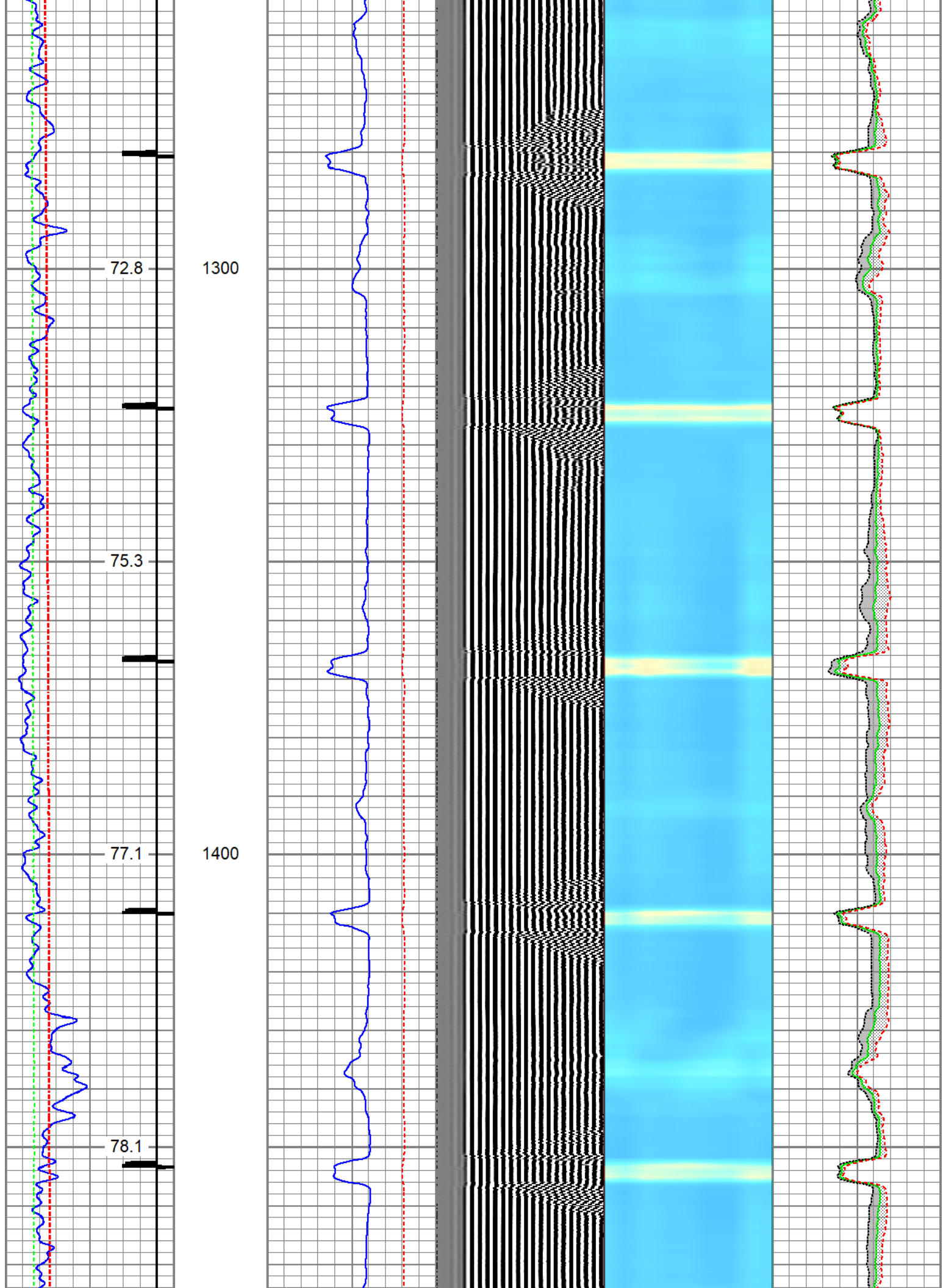




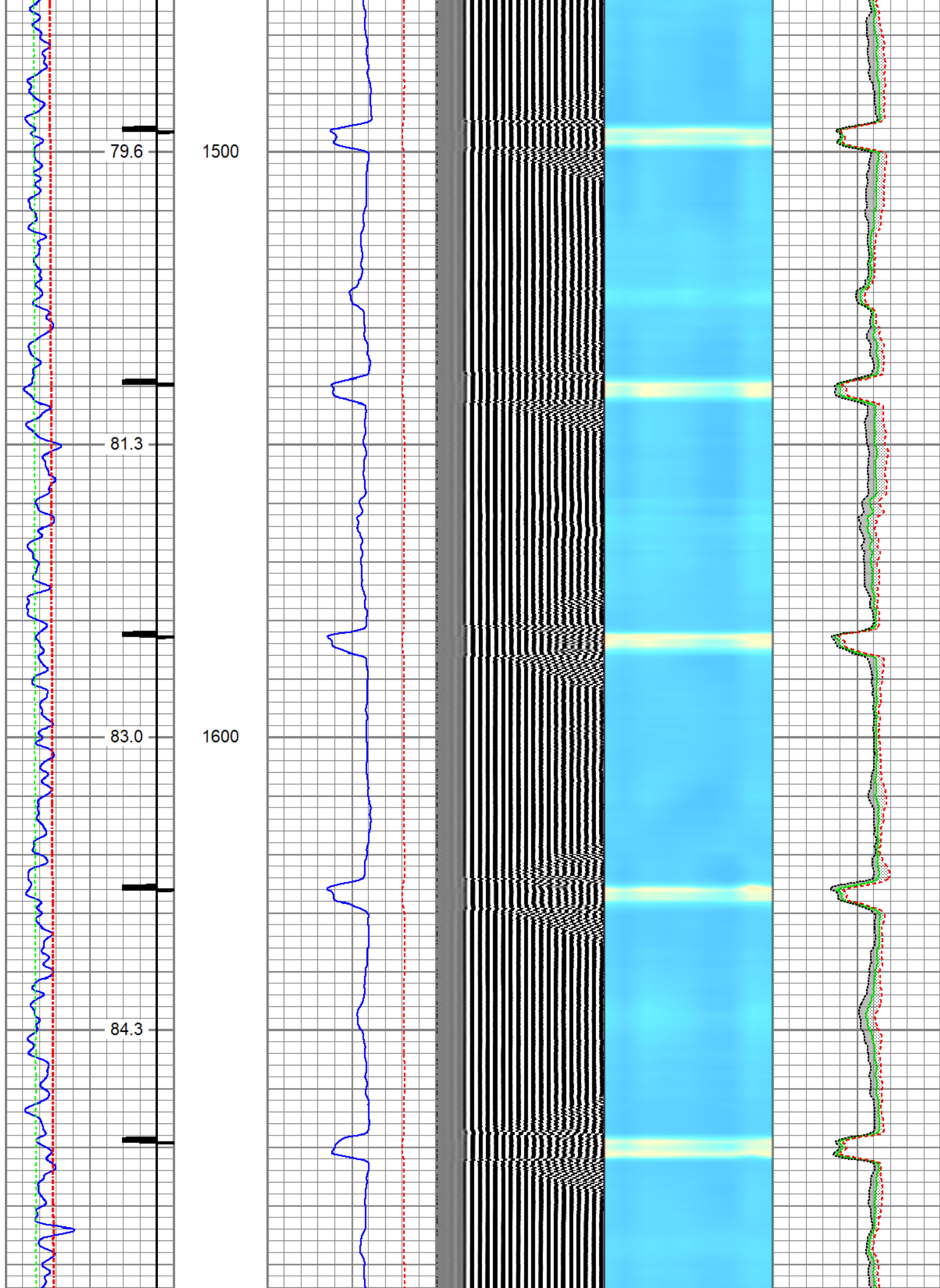


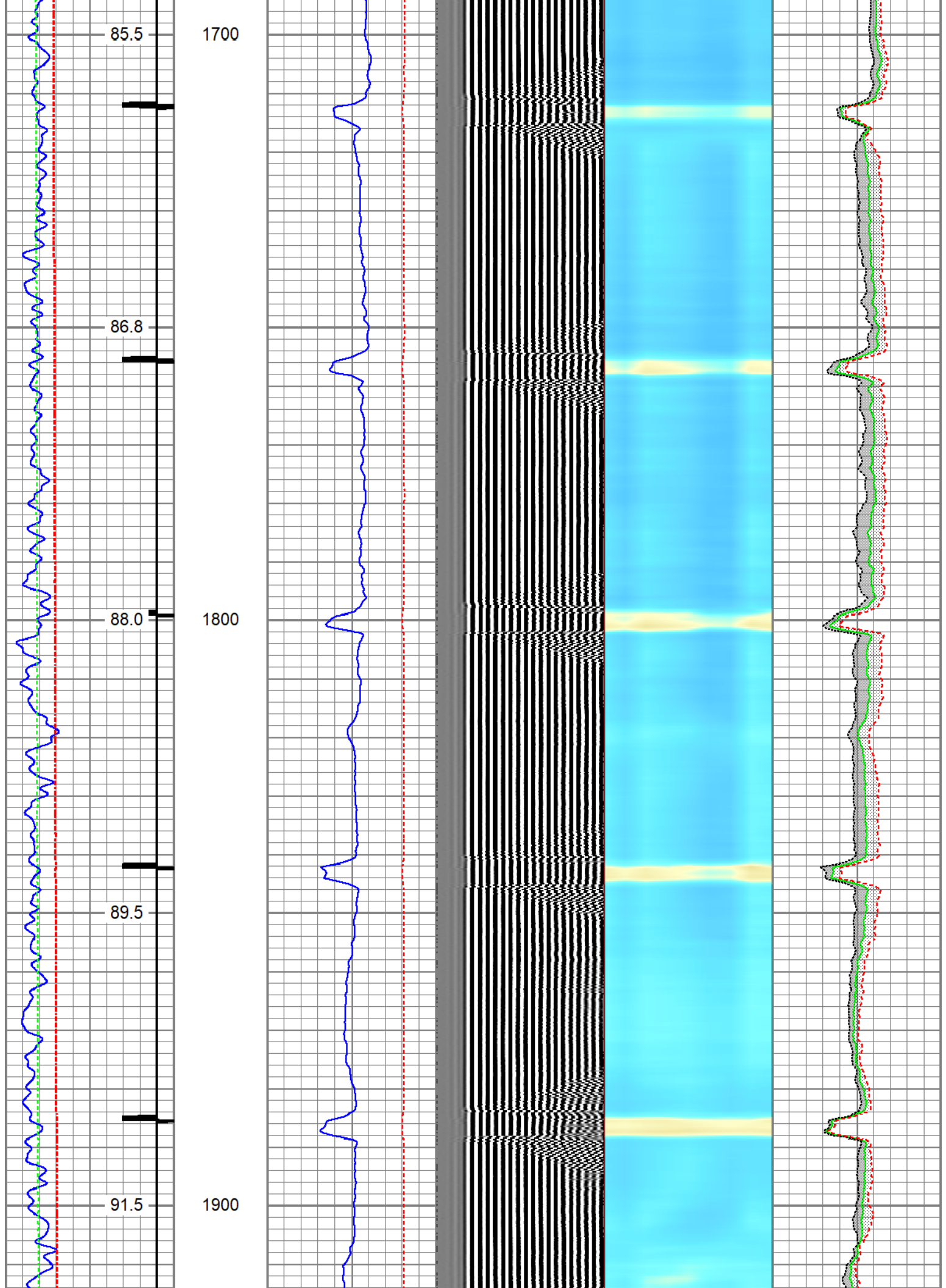


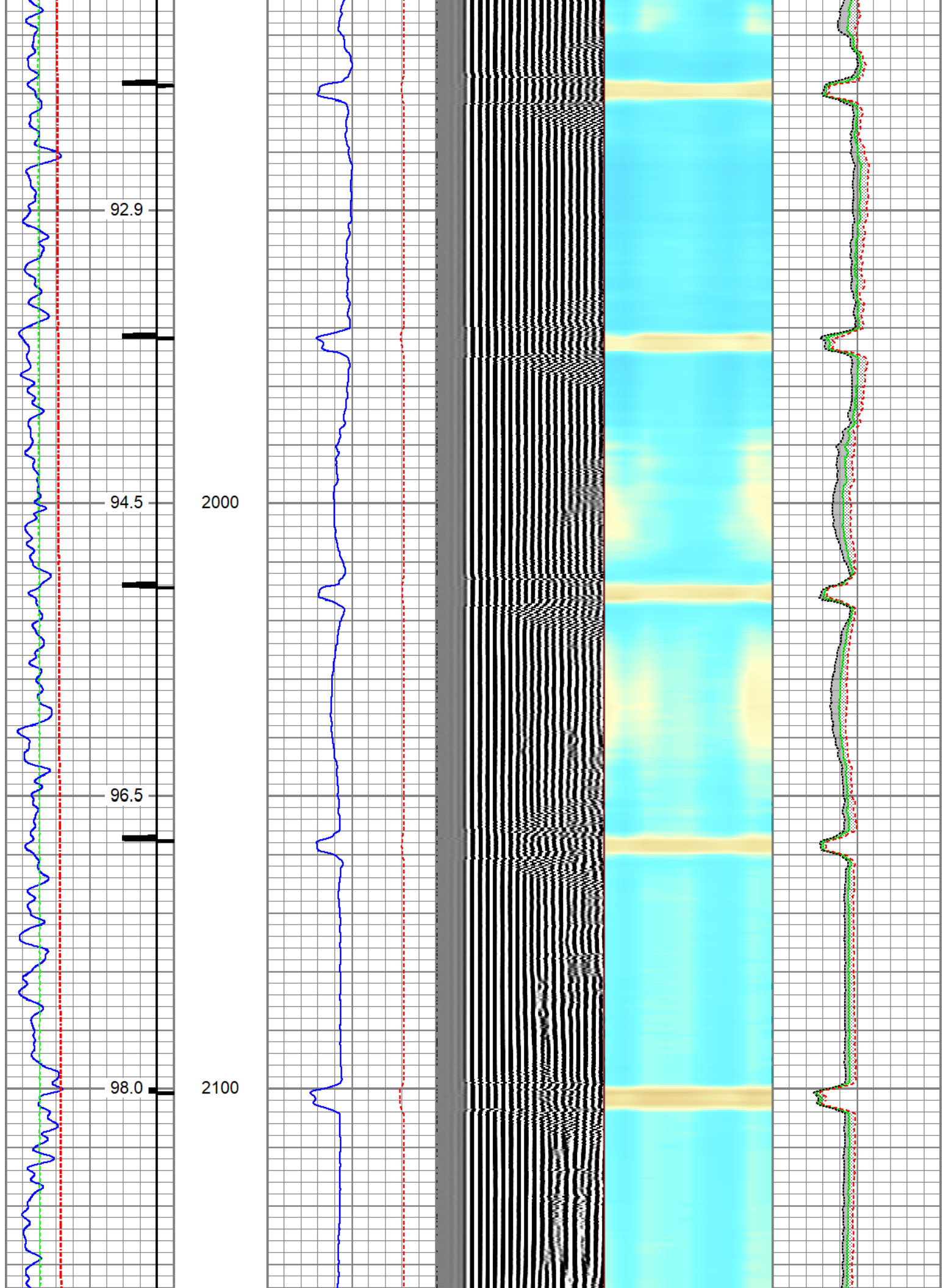


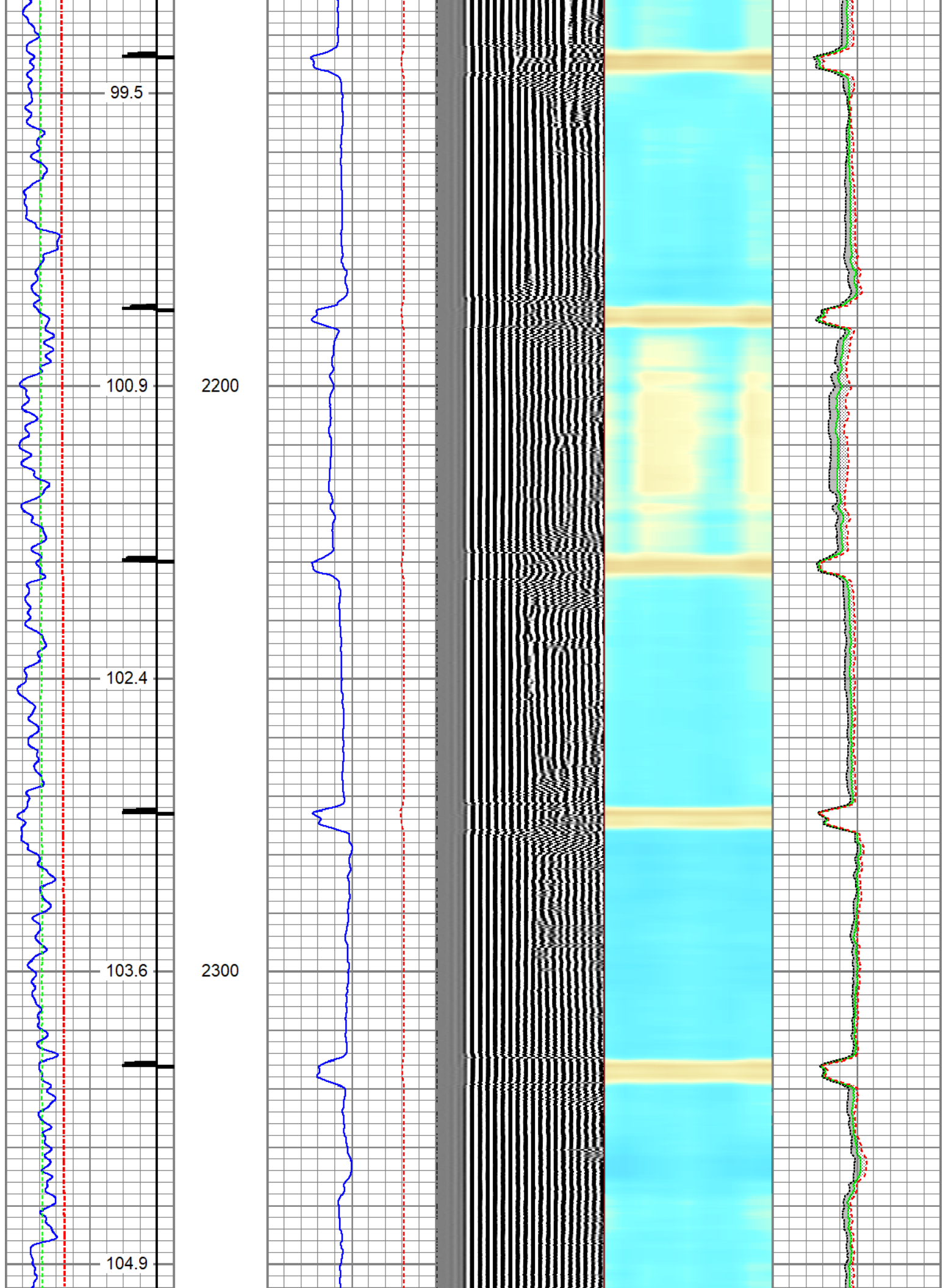




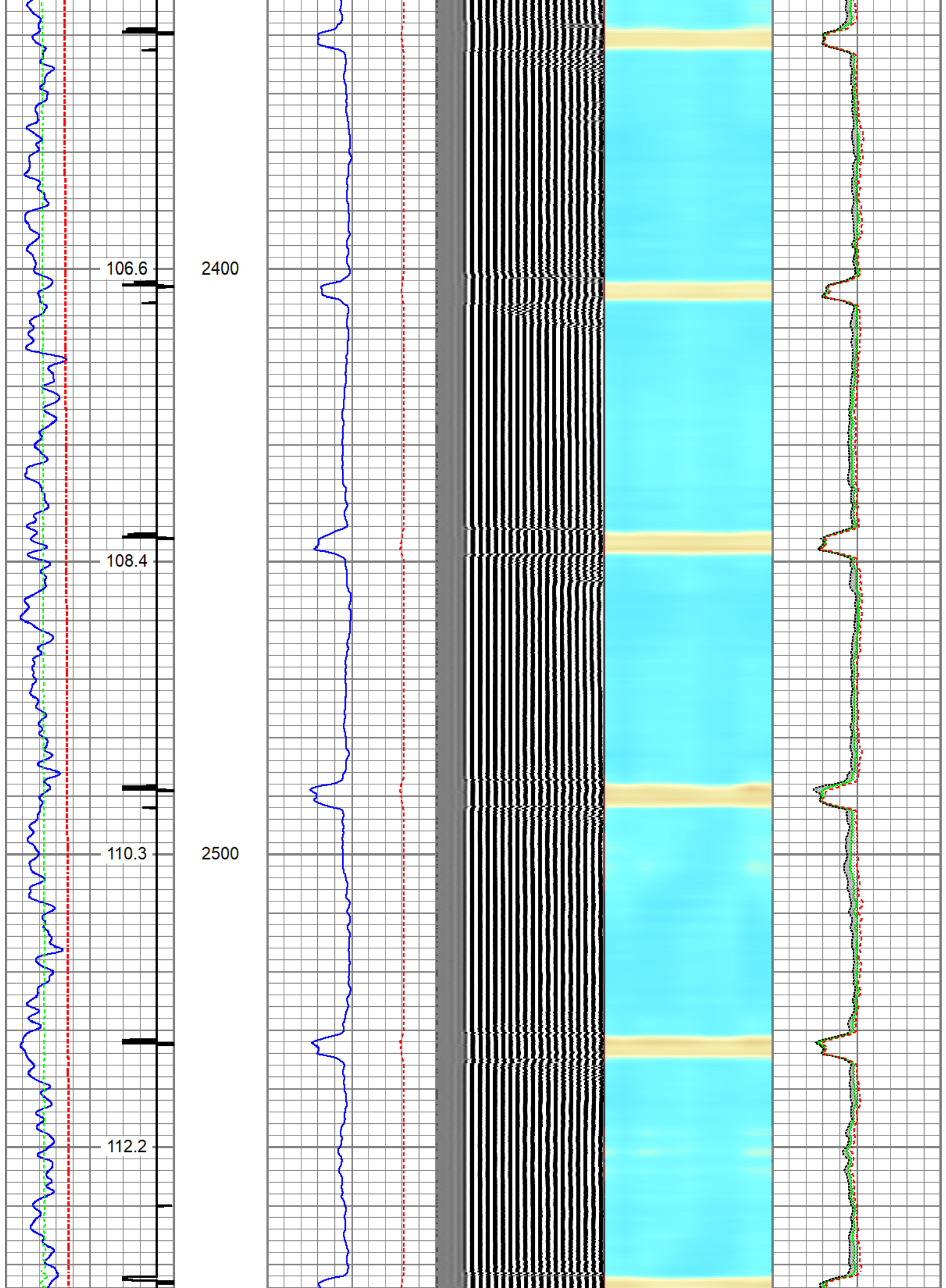


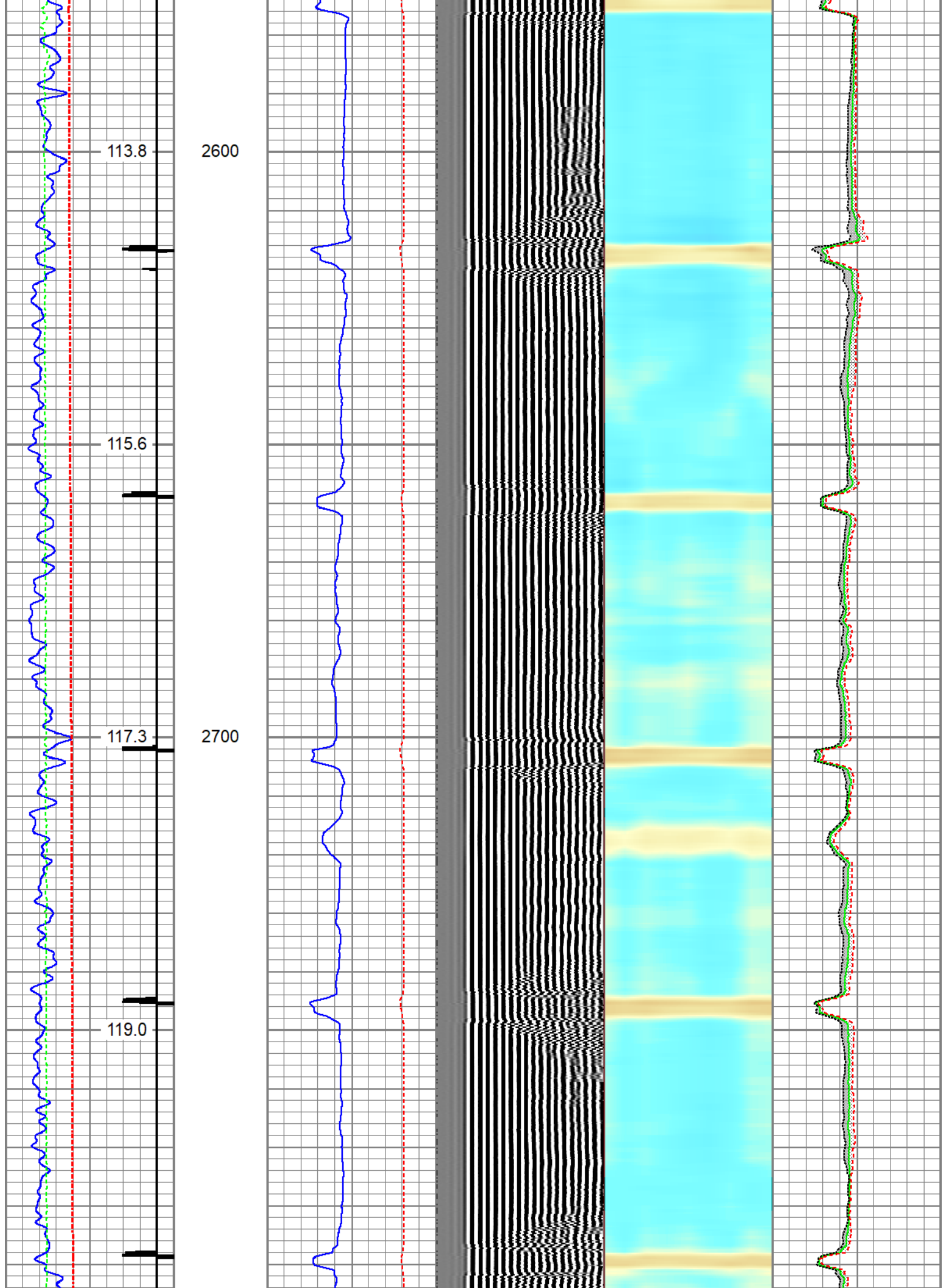


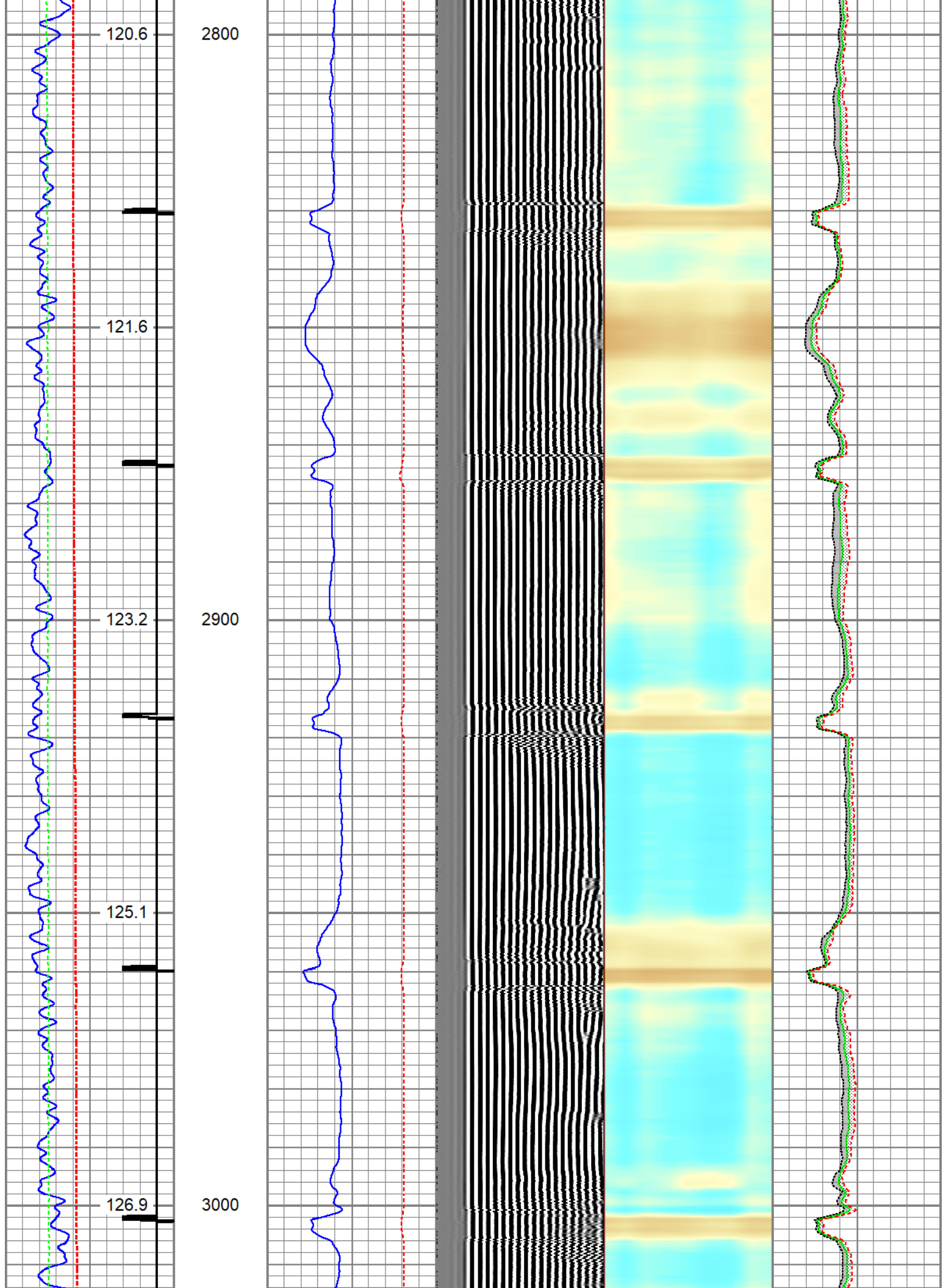


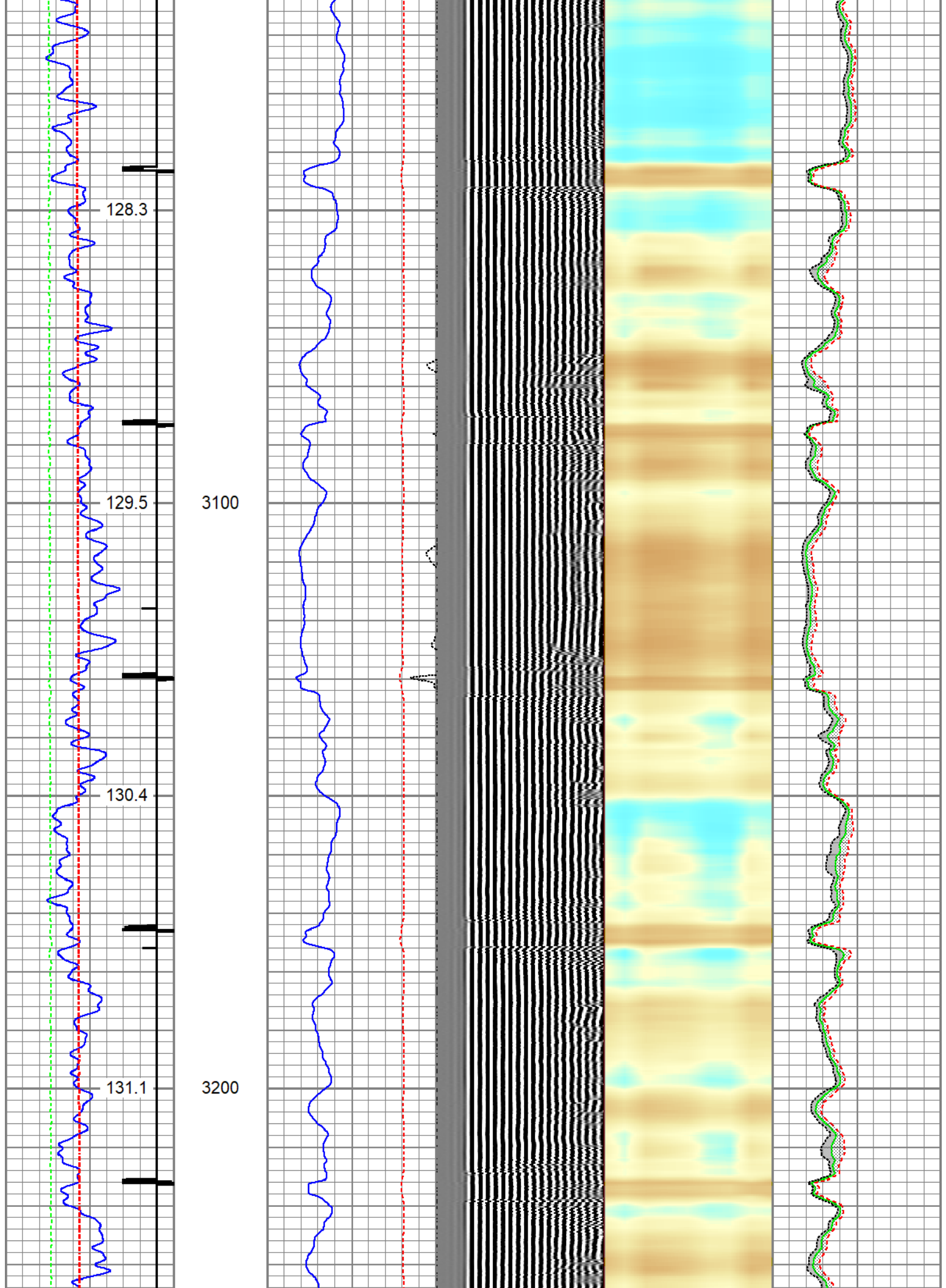




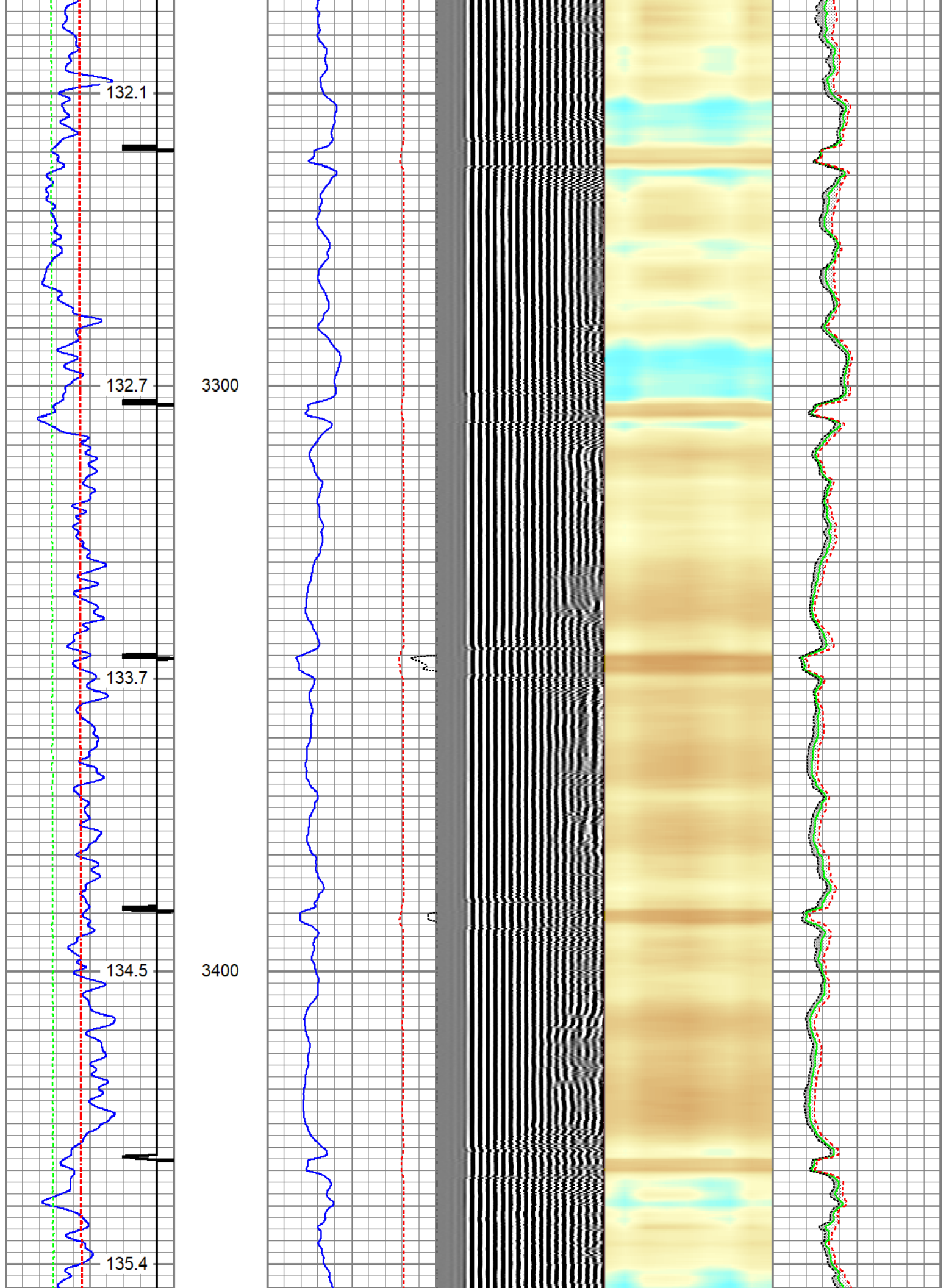


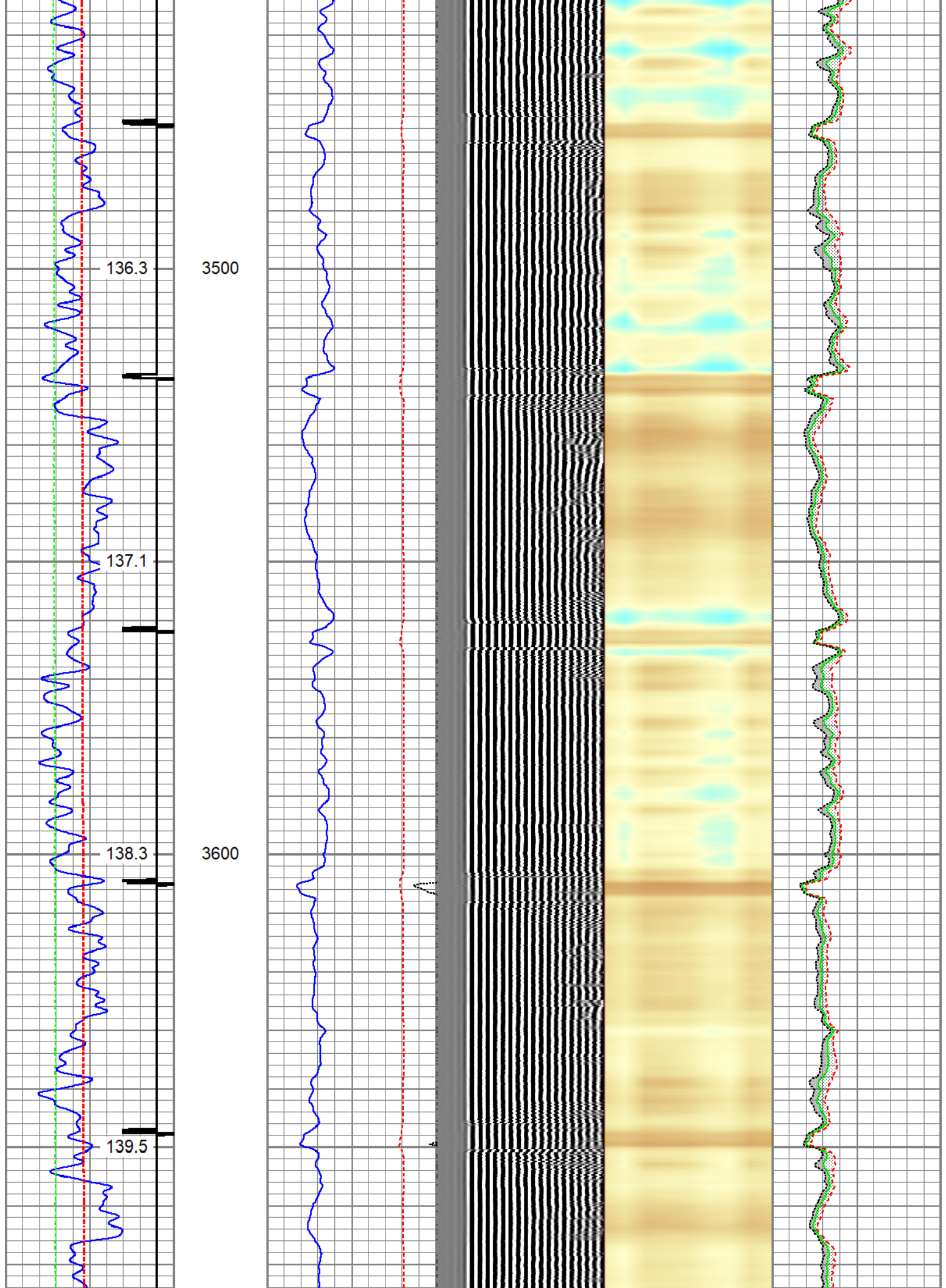


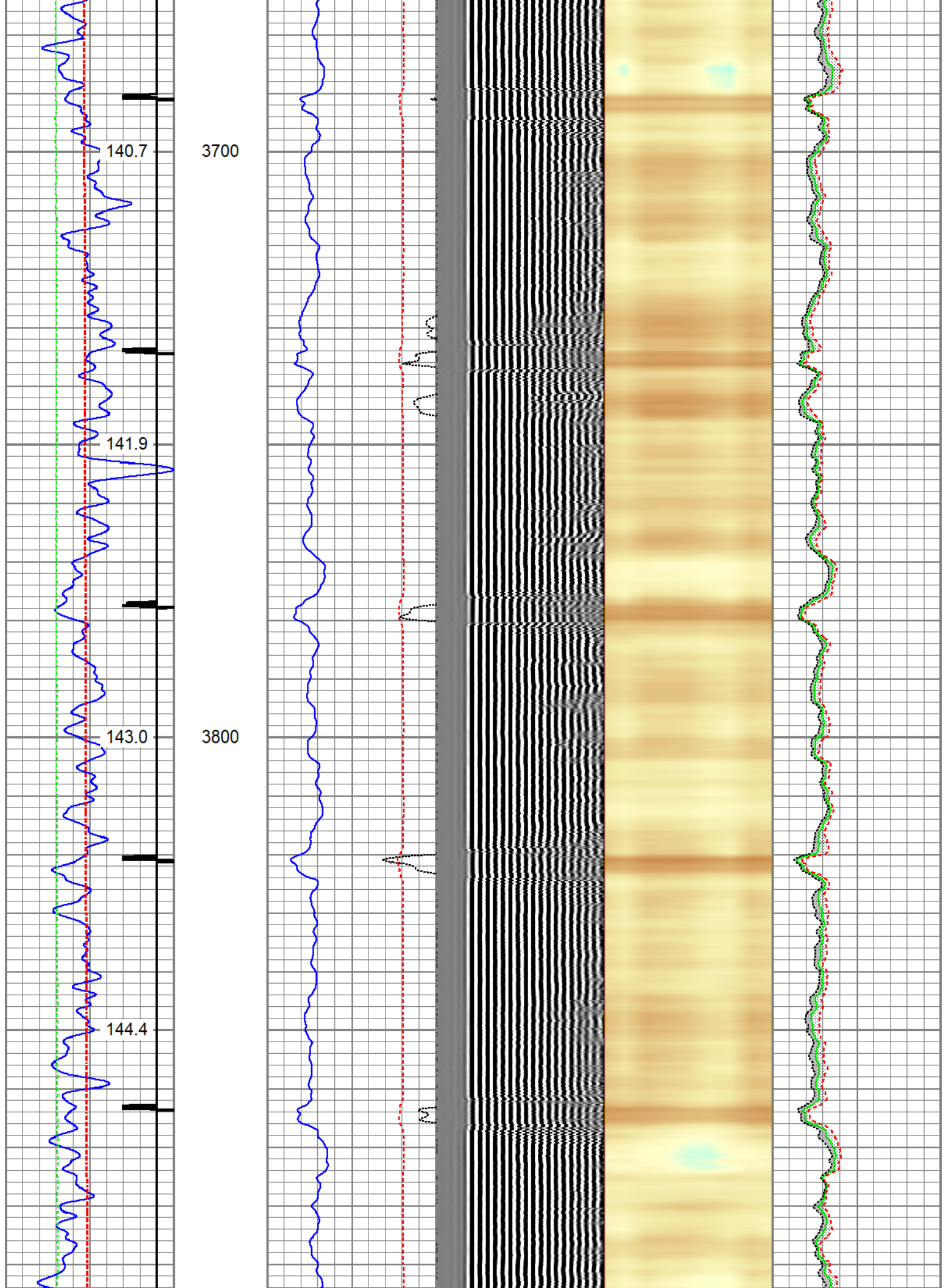




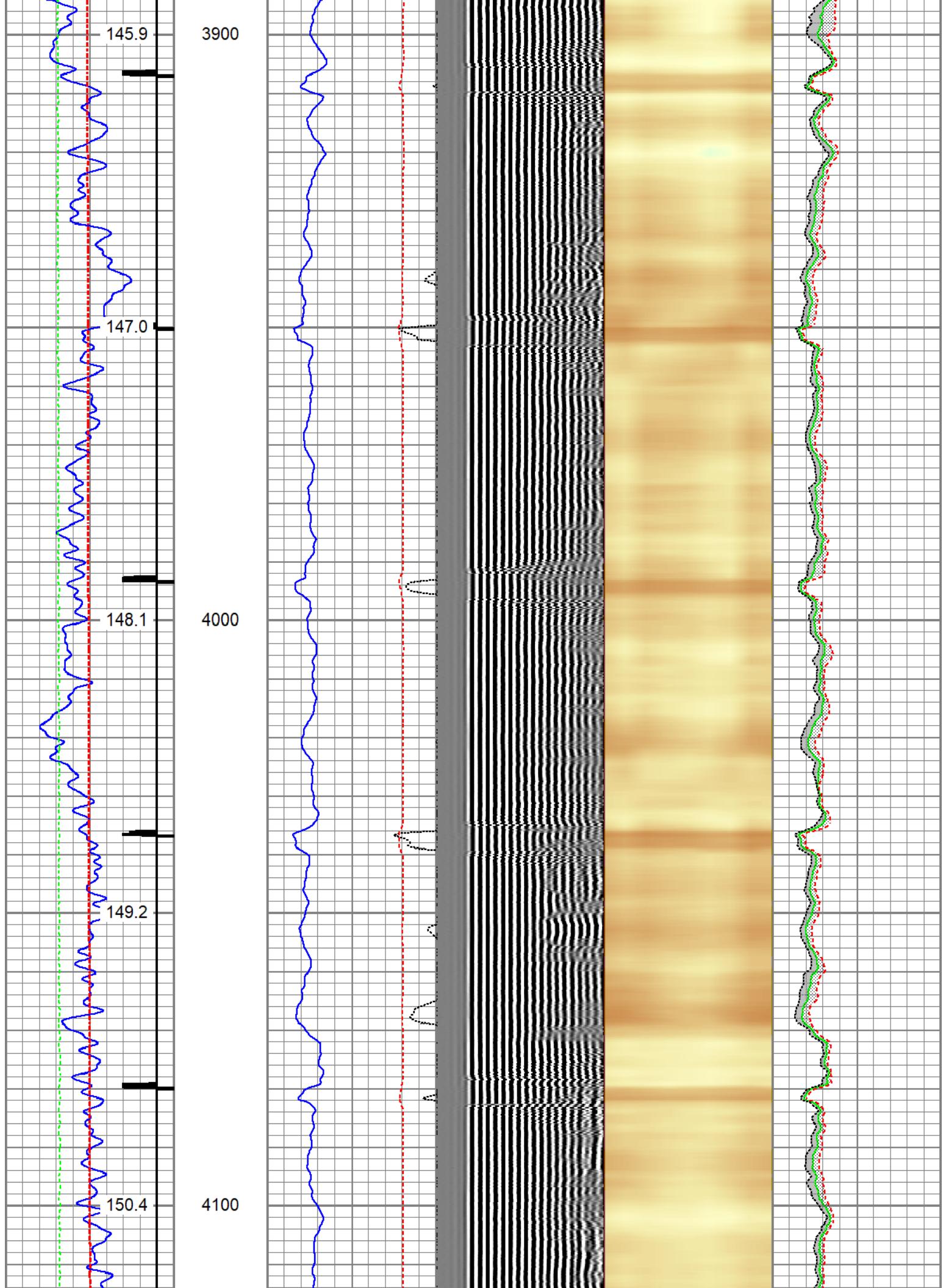




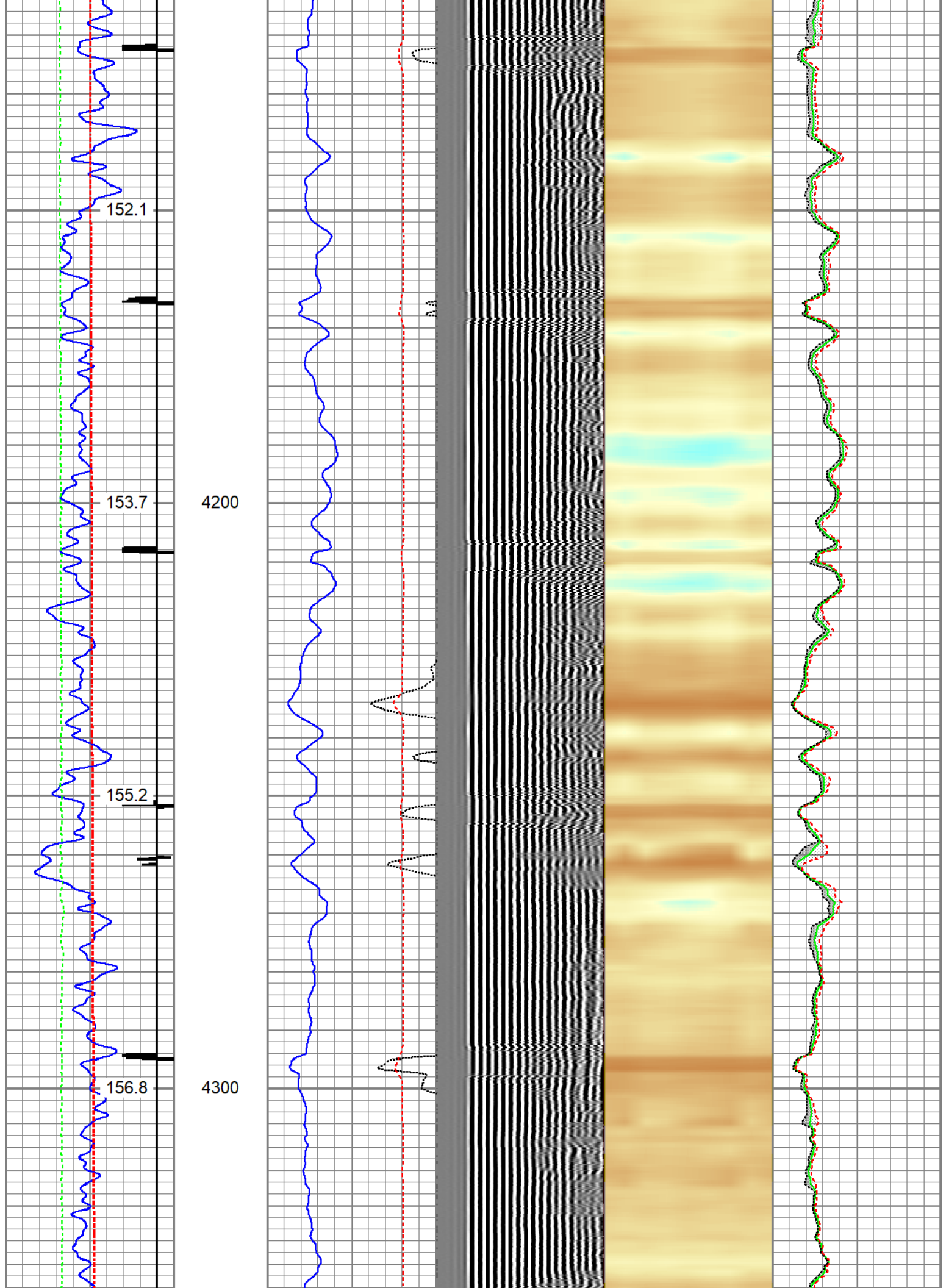


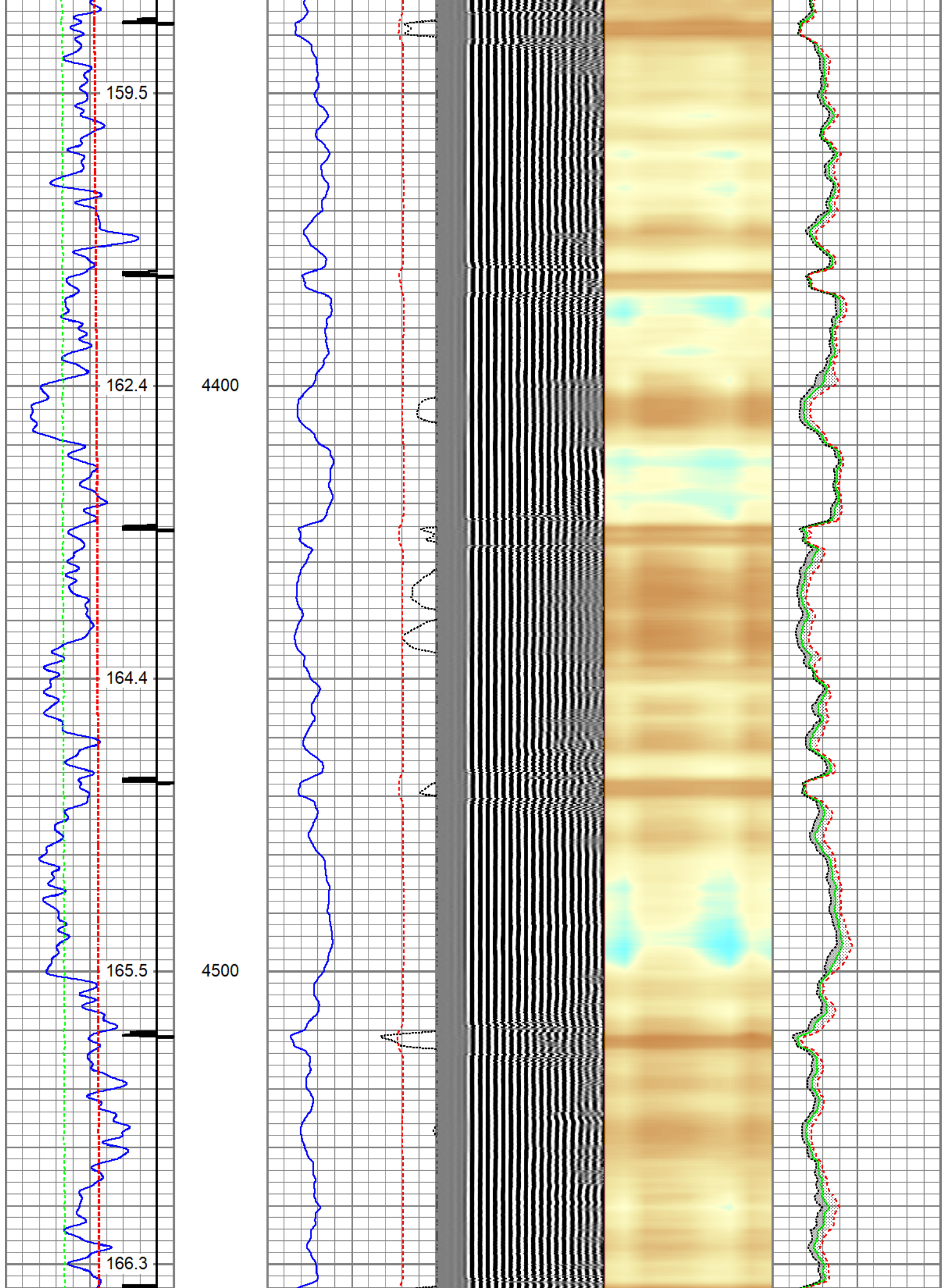


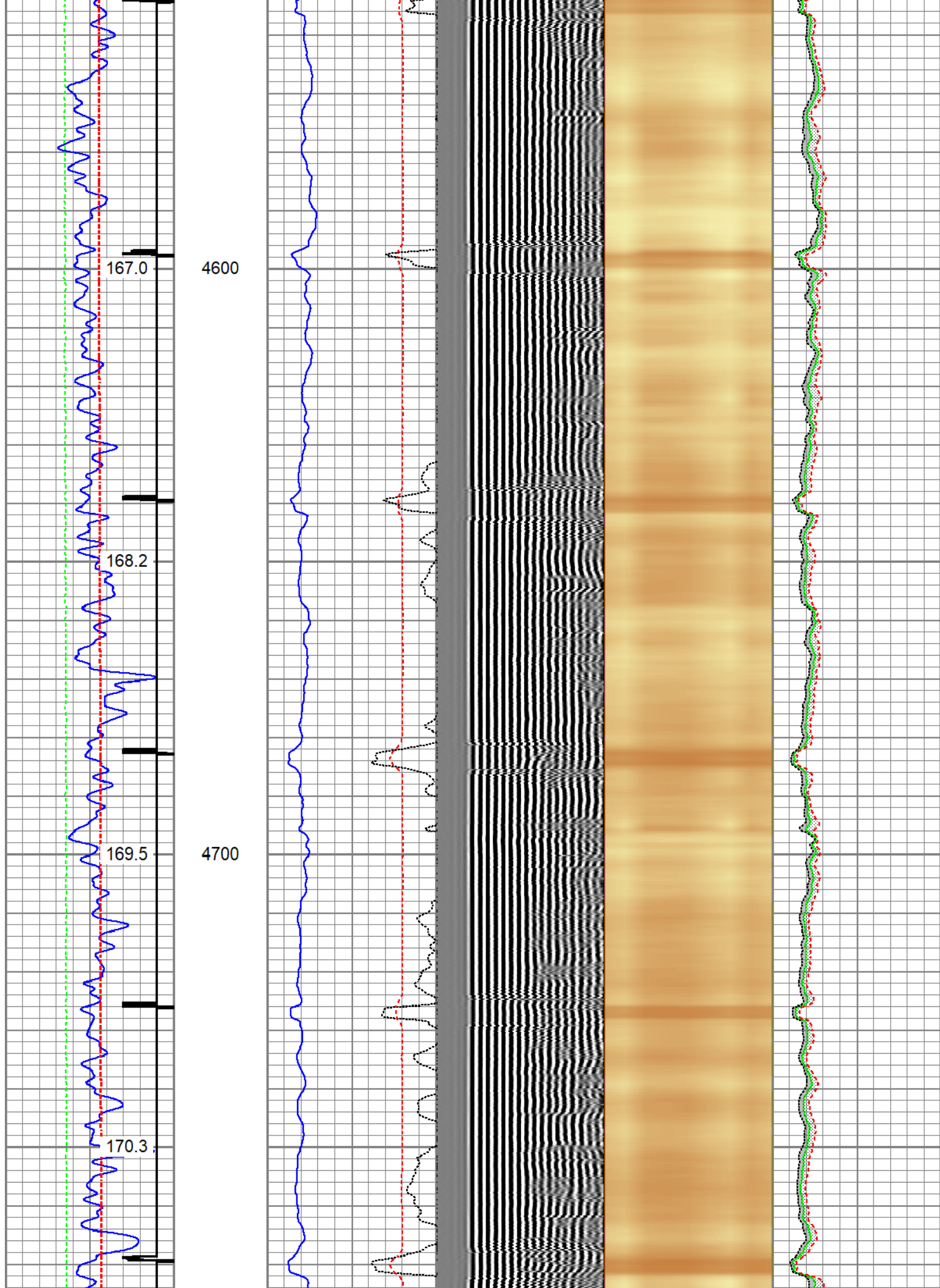




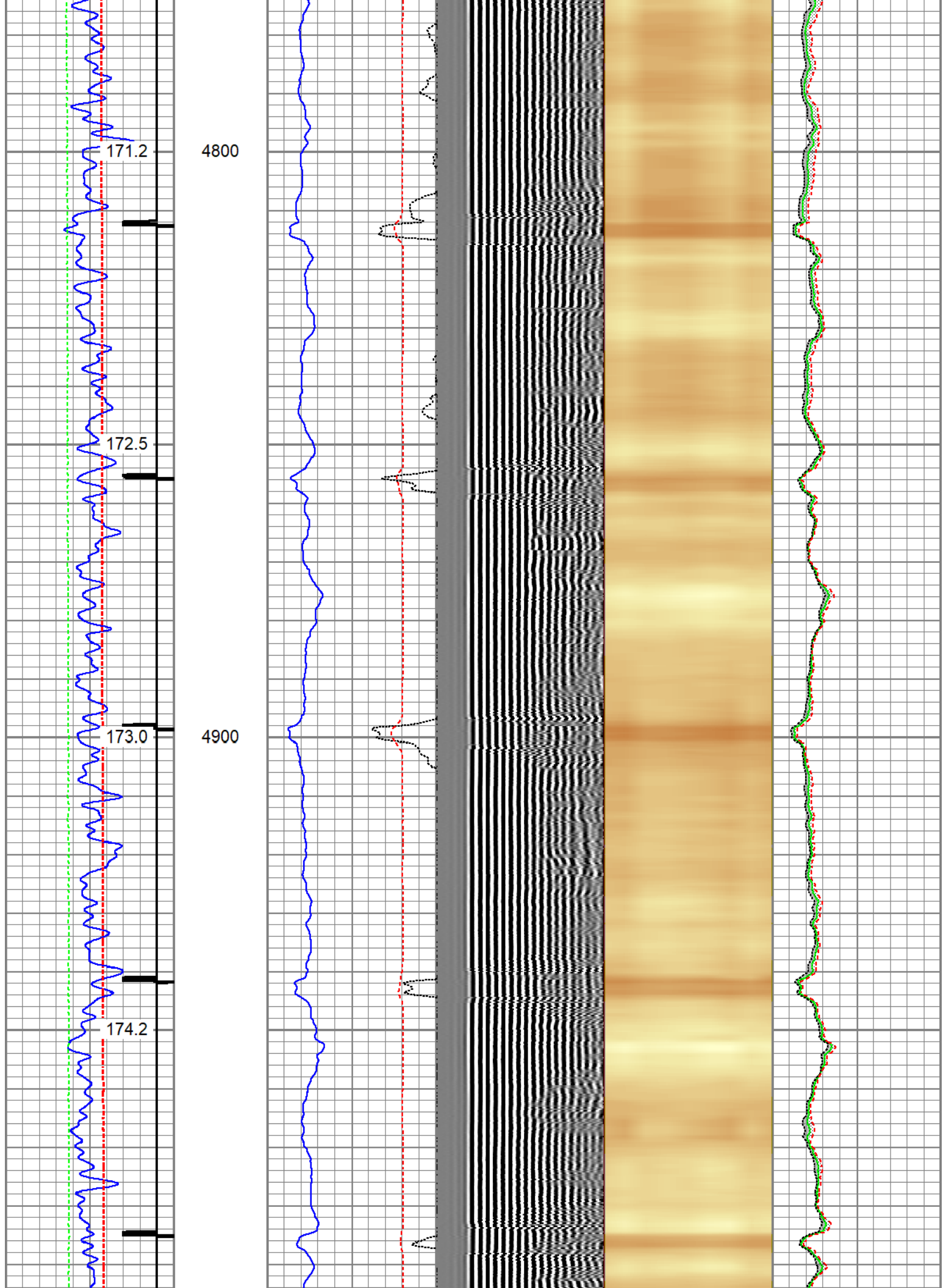




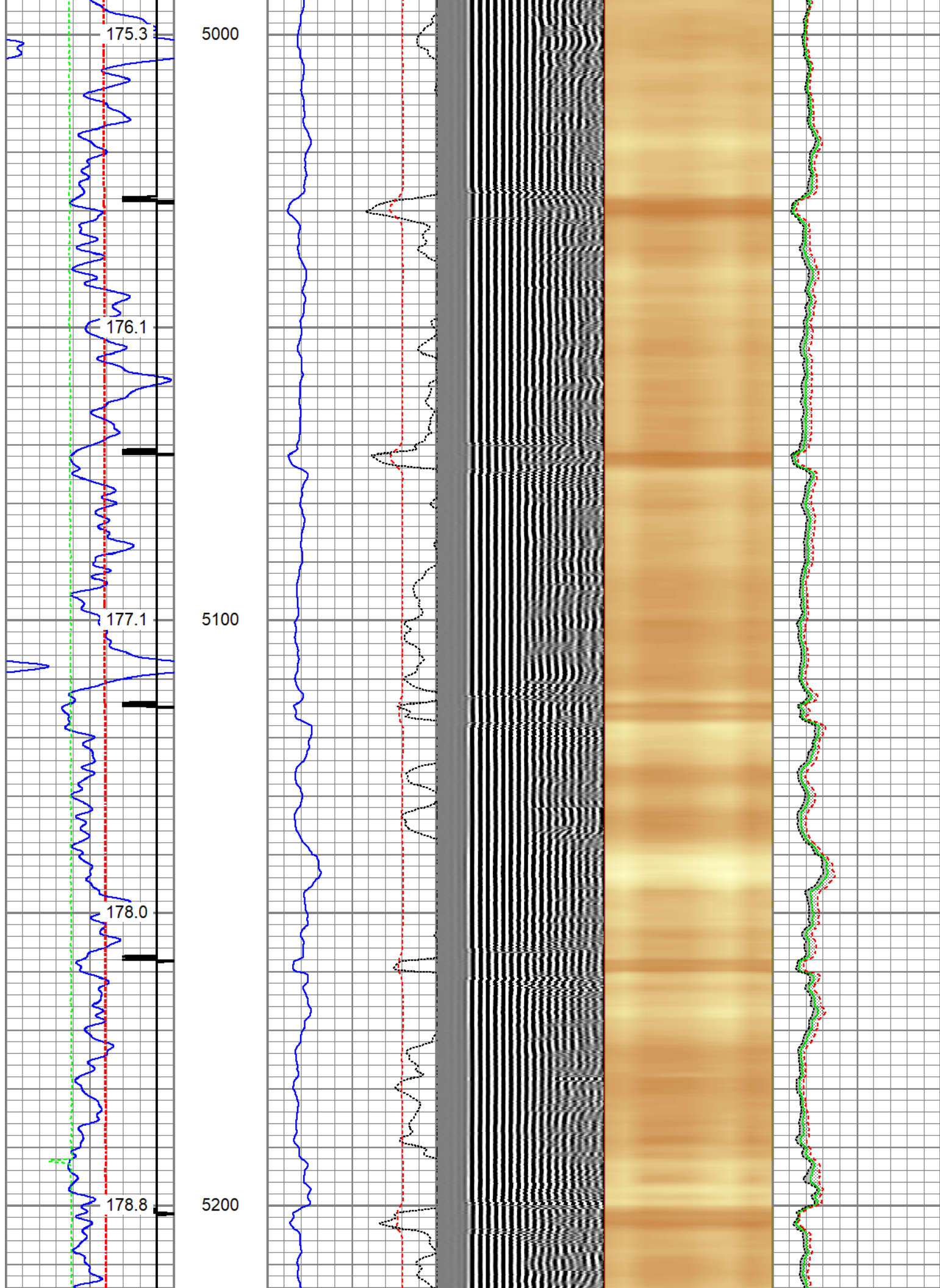


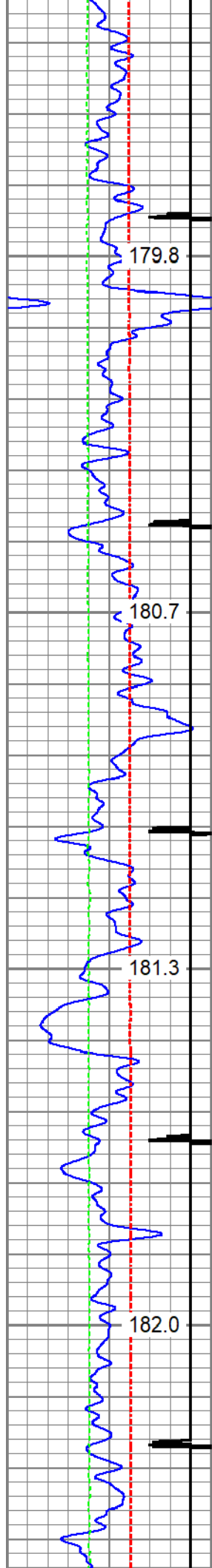






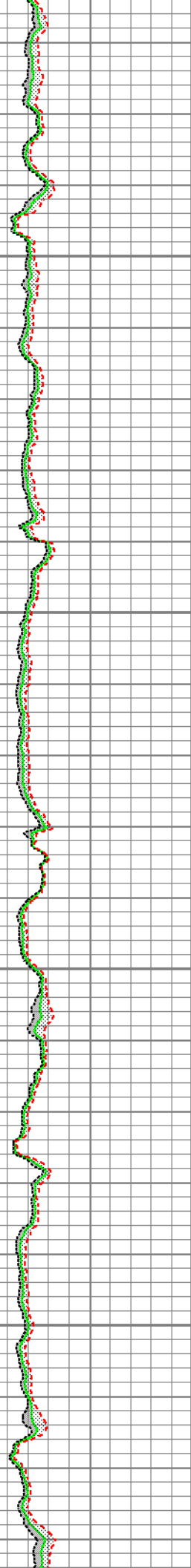
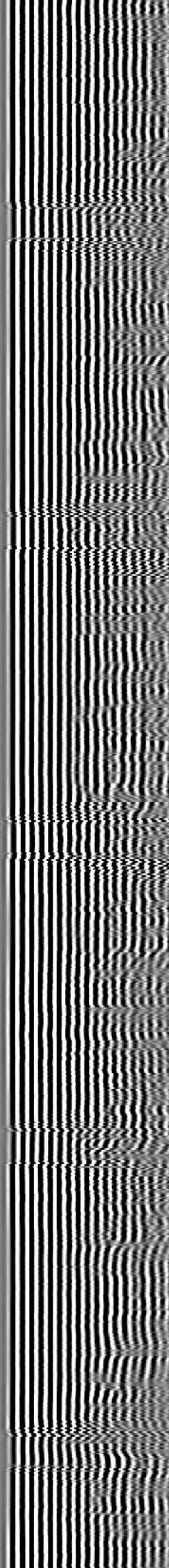
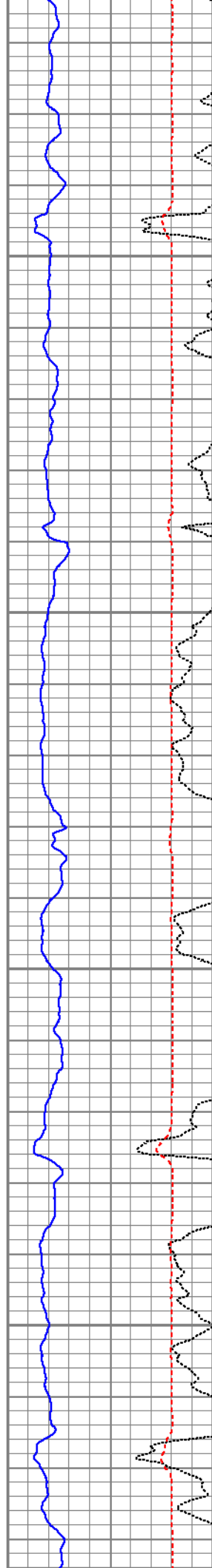


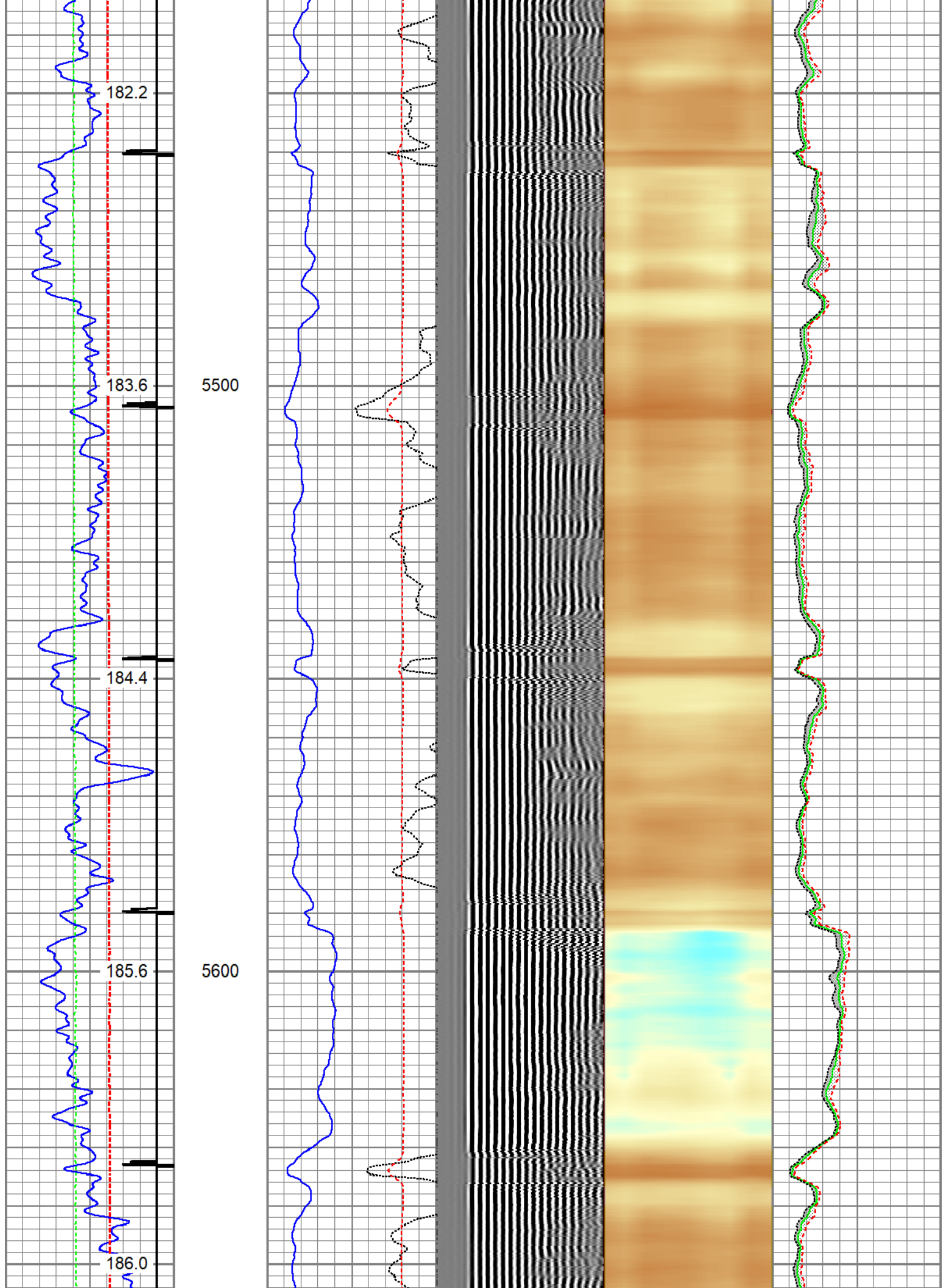




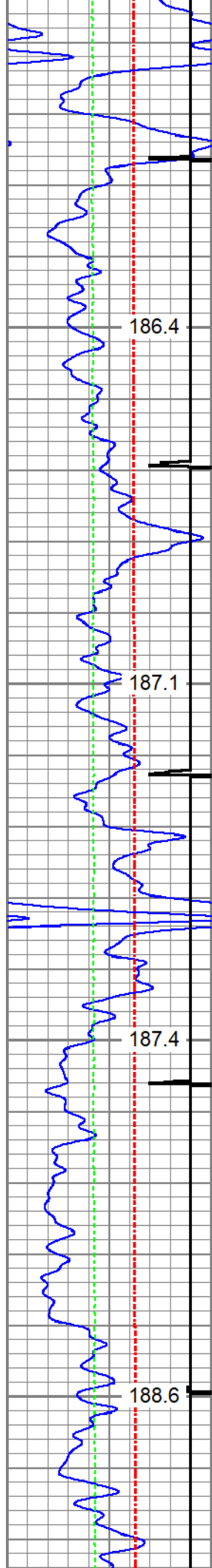
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5400



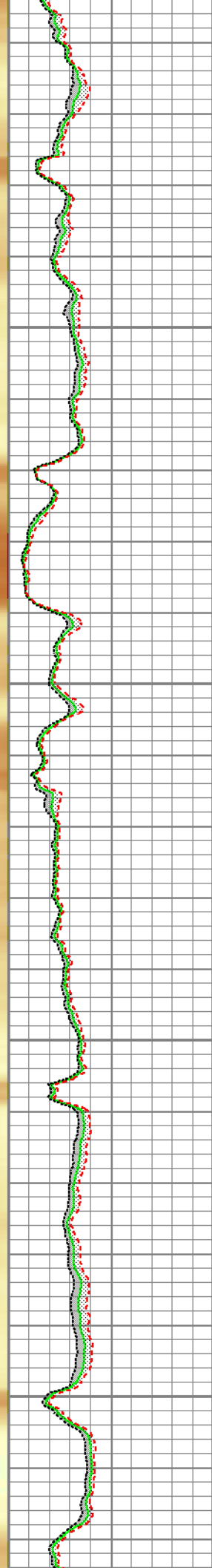
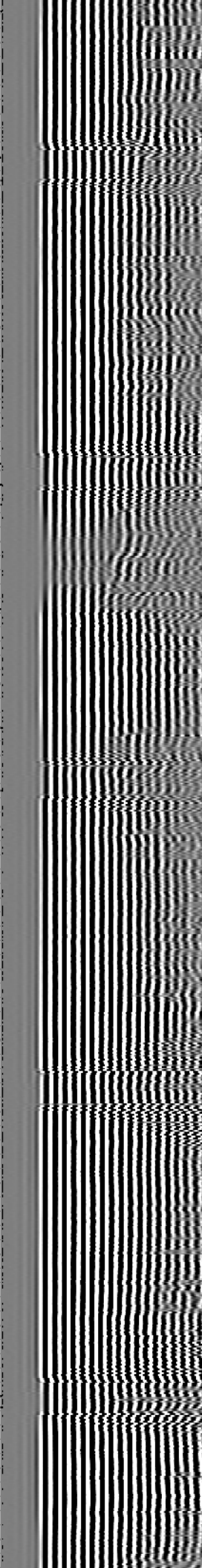
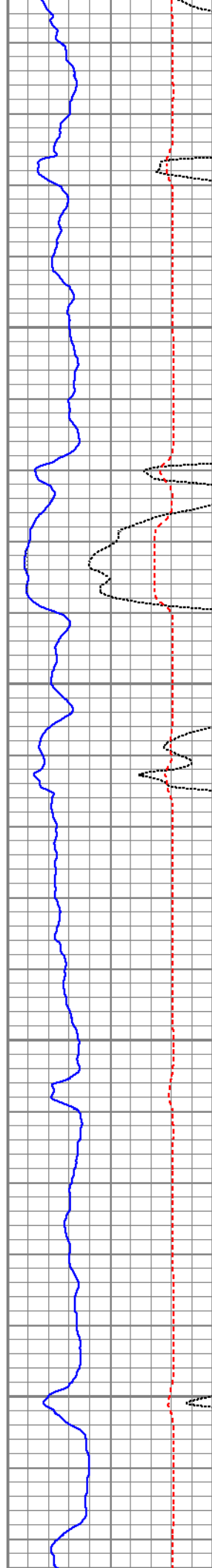




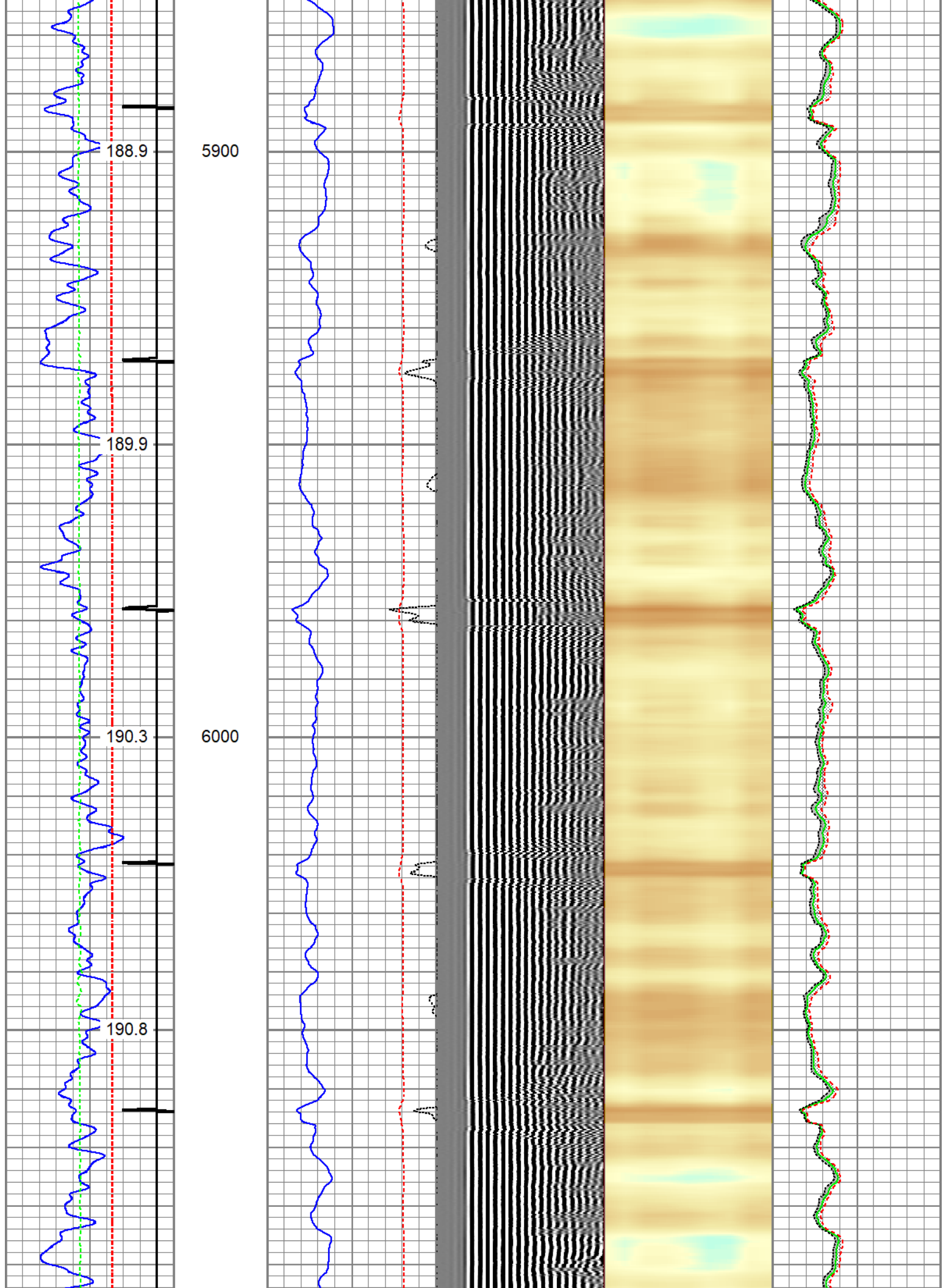


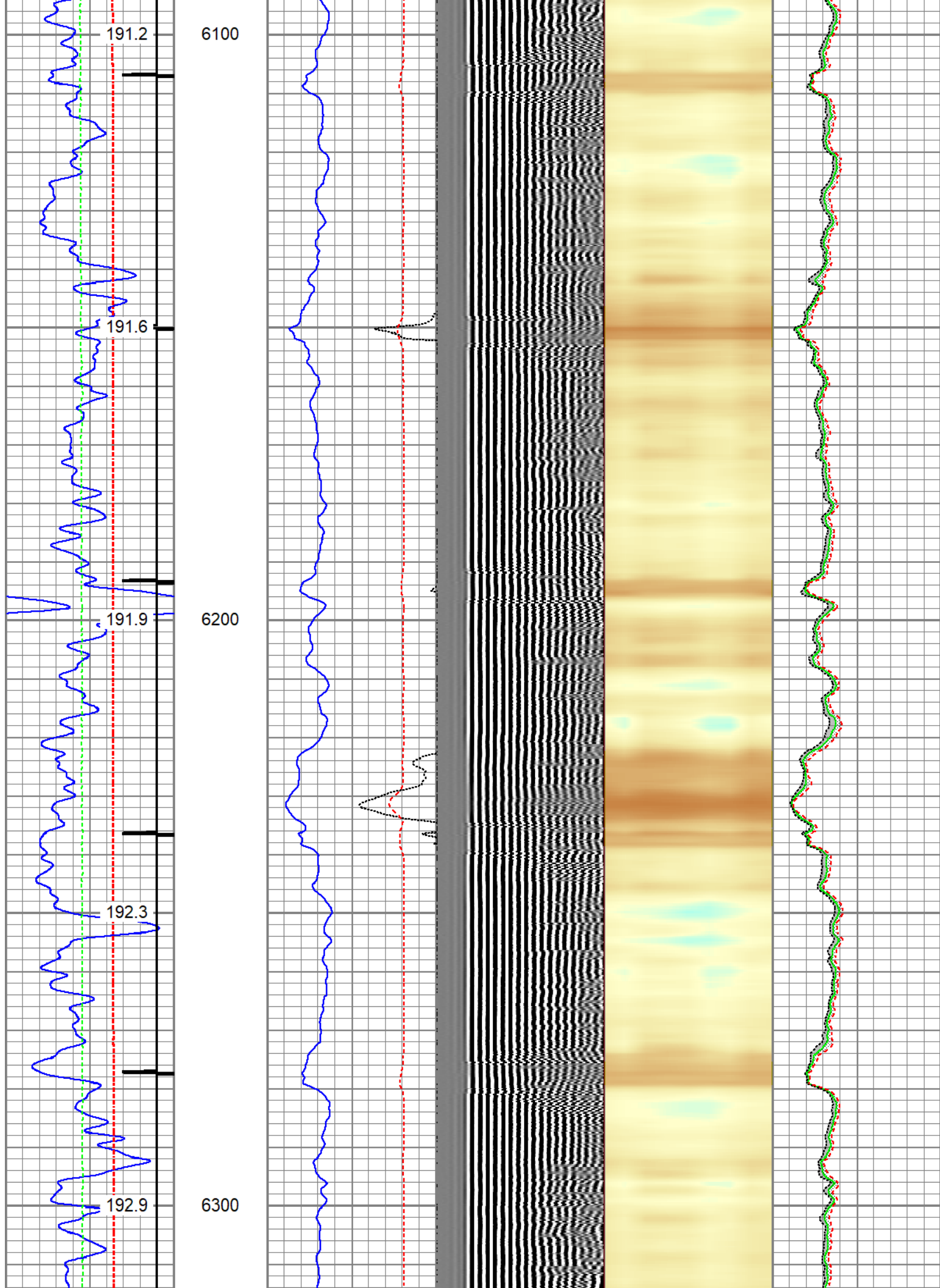
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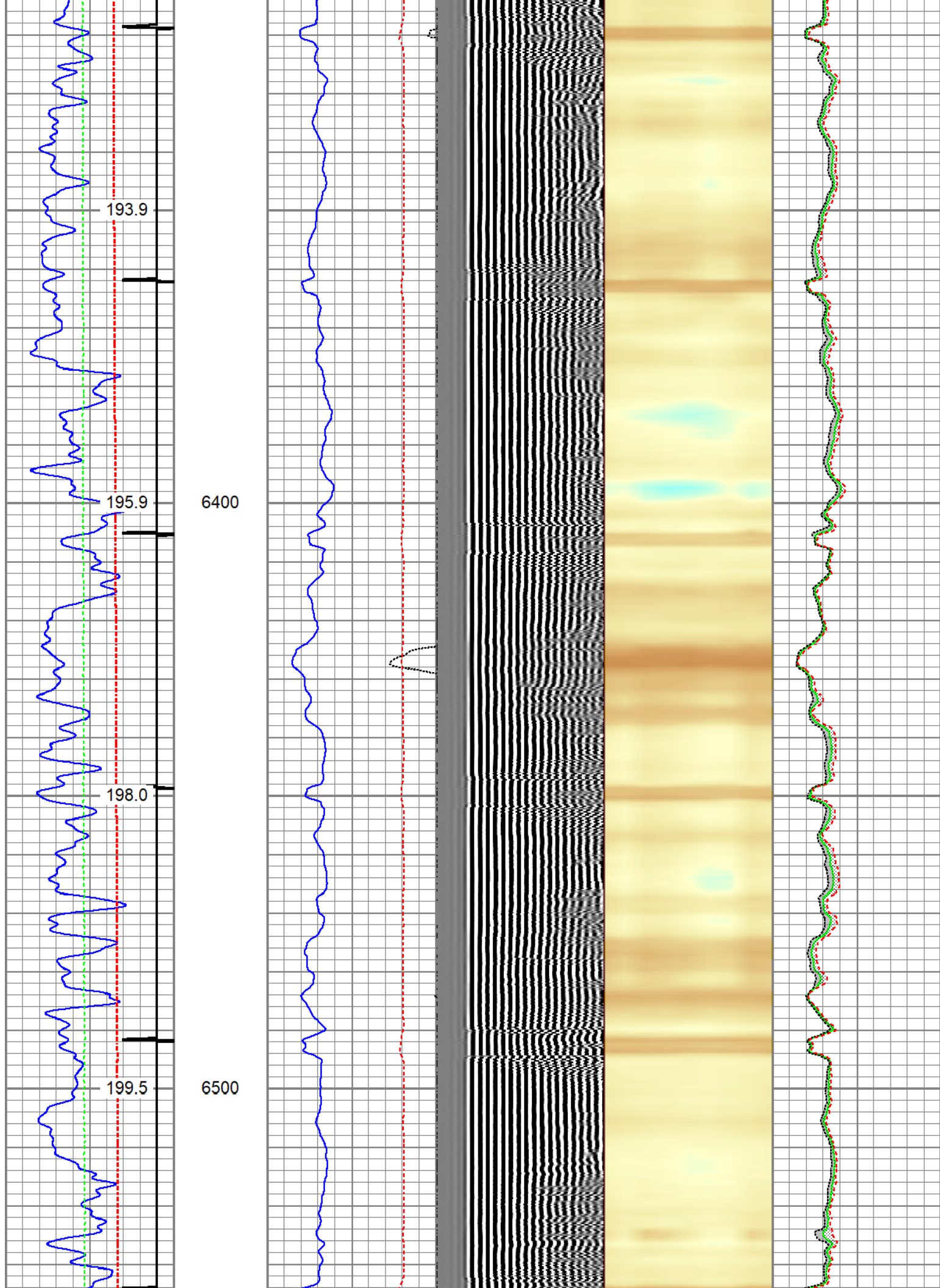
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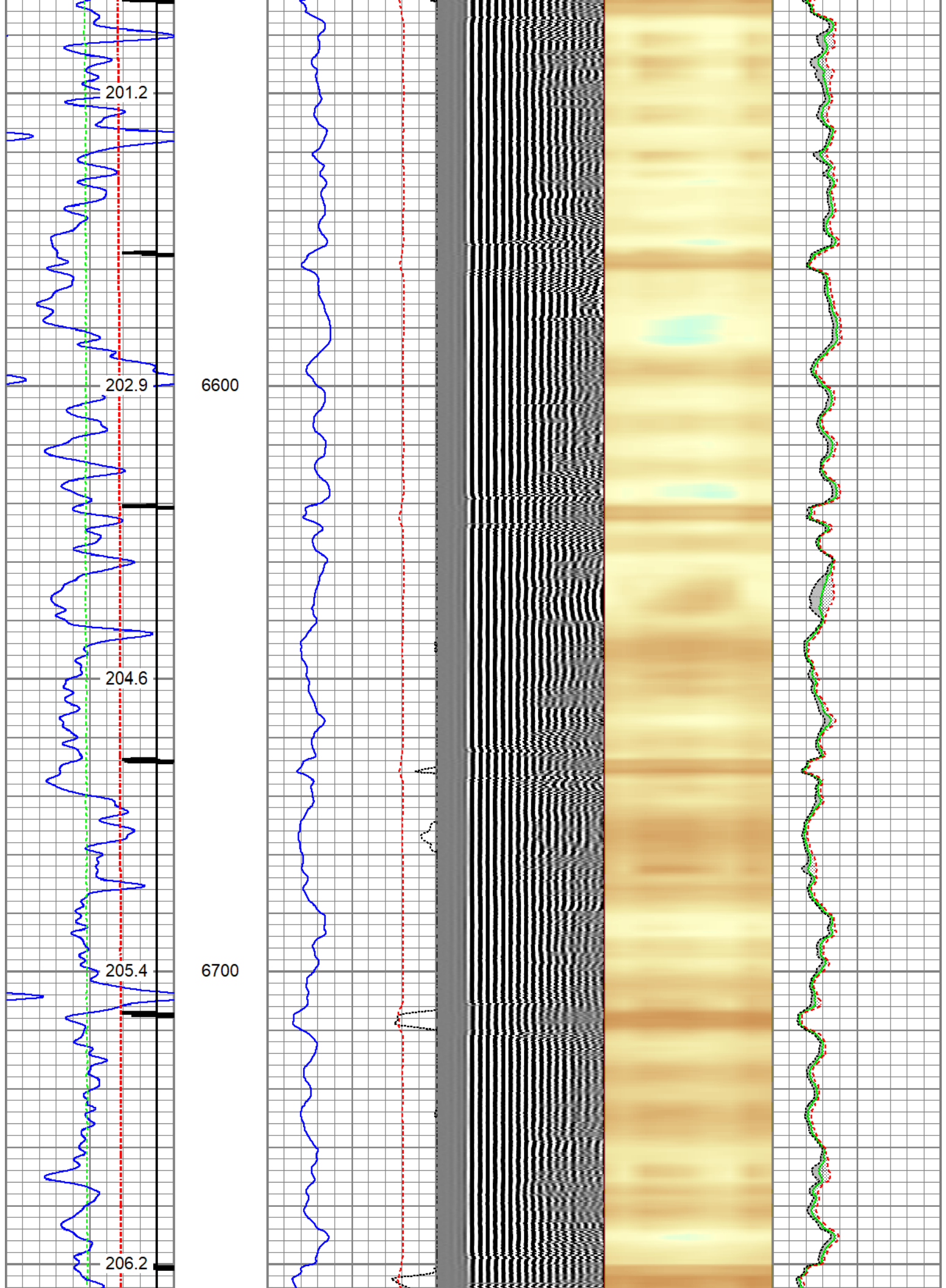




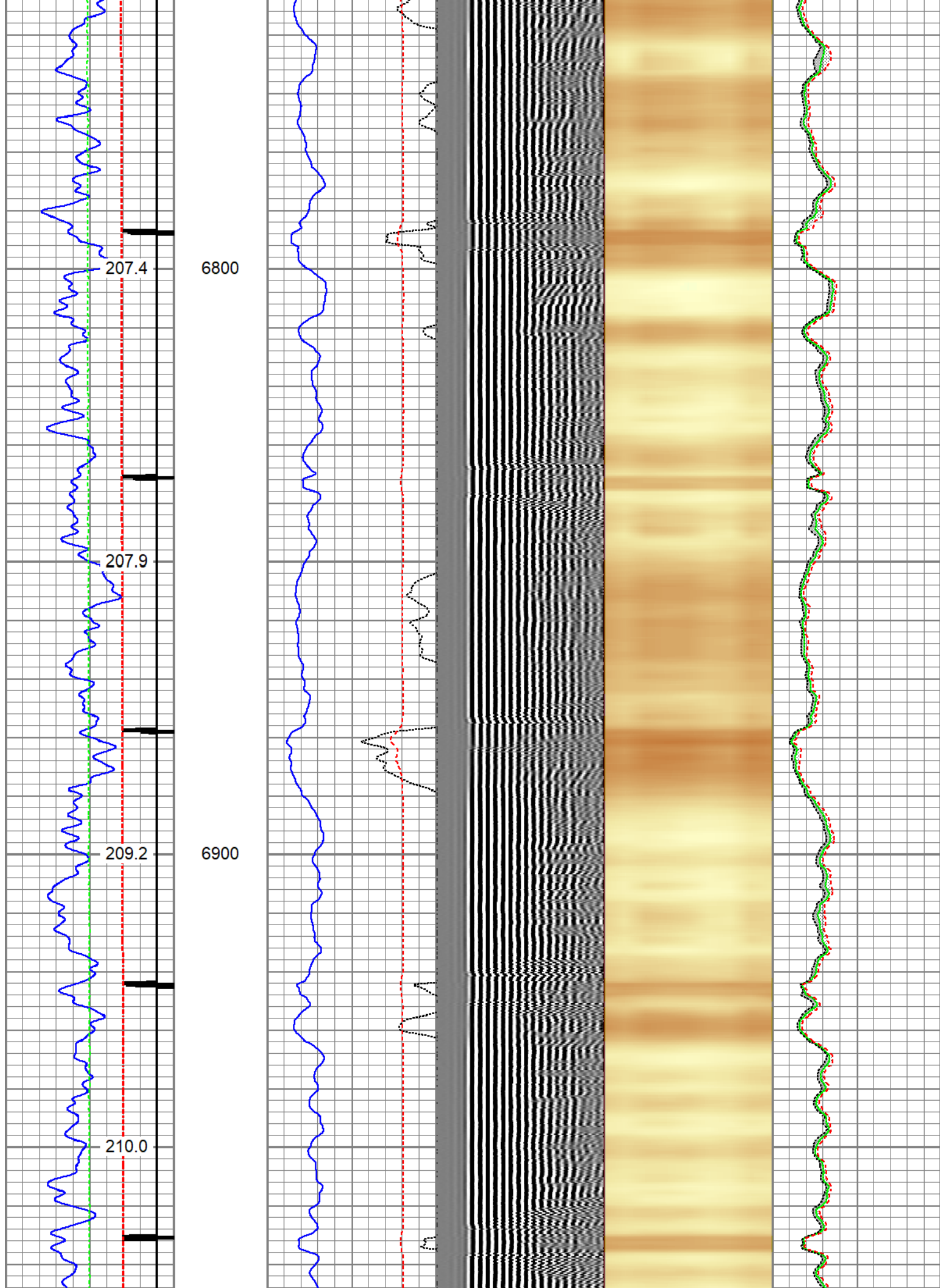


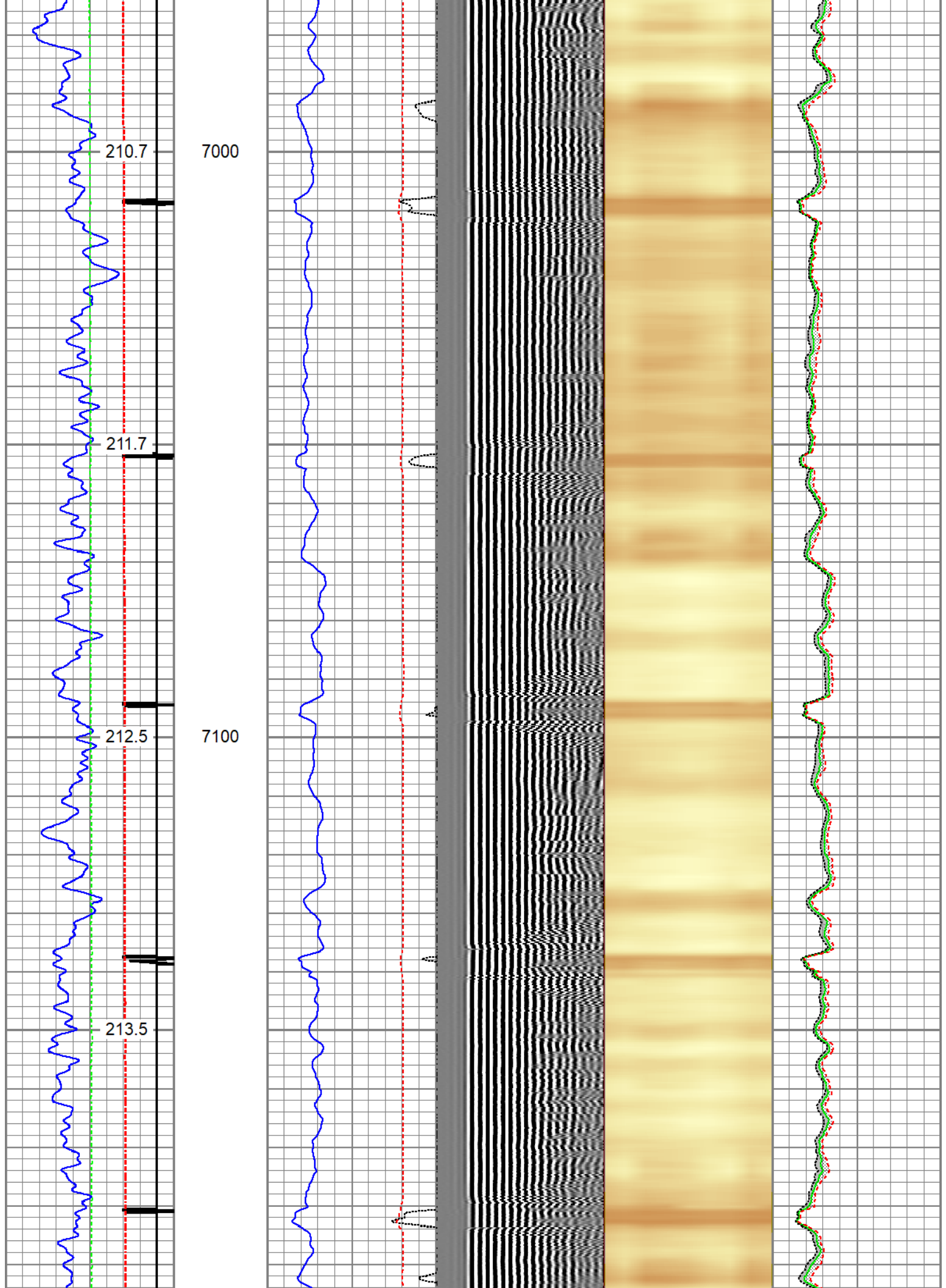


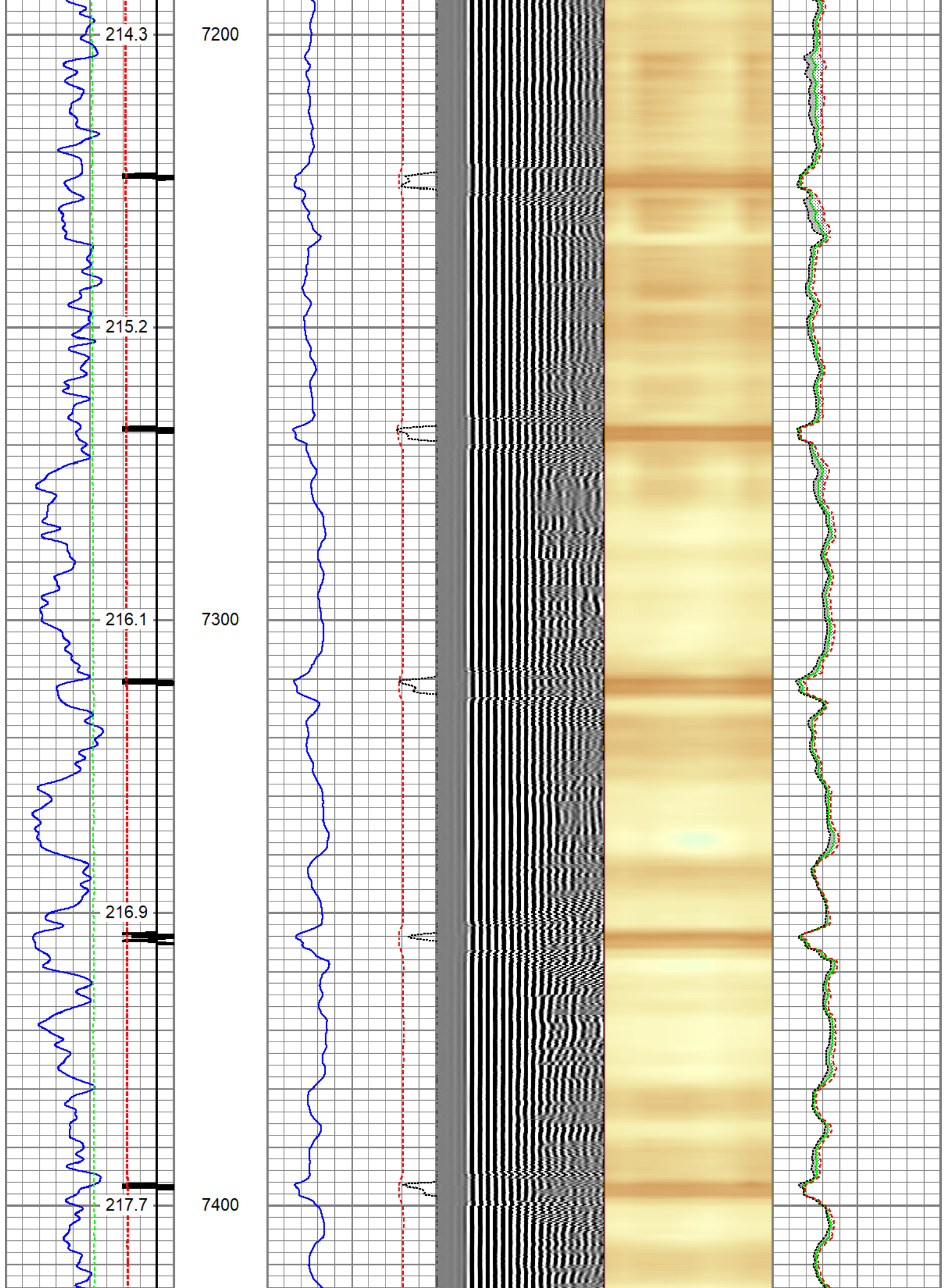




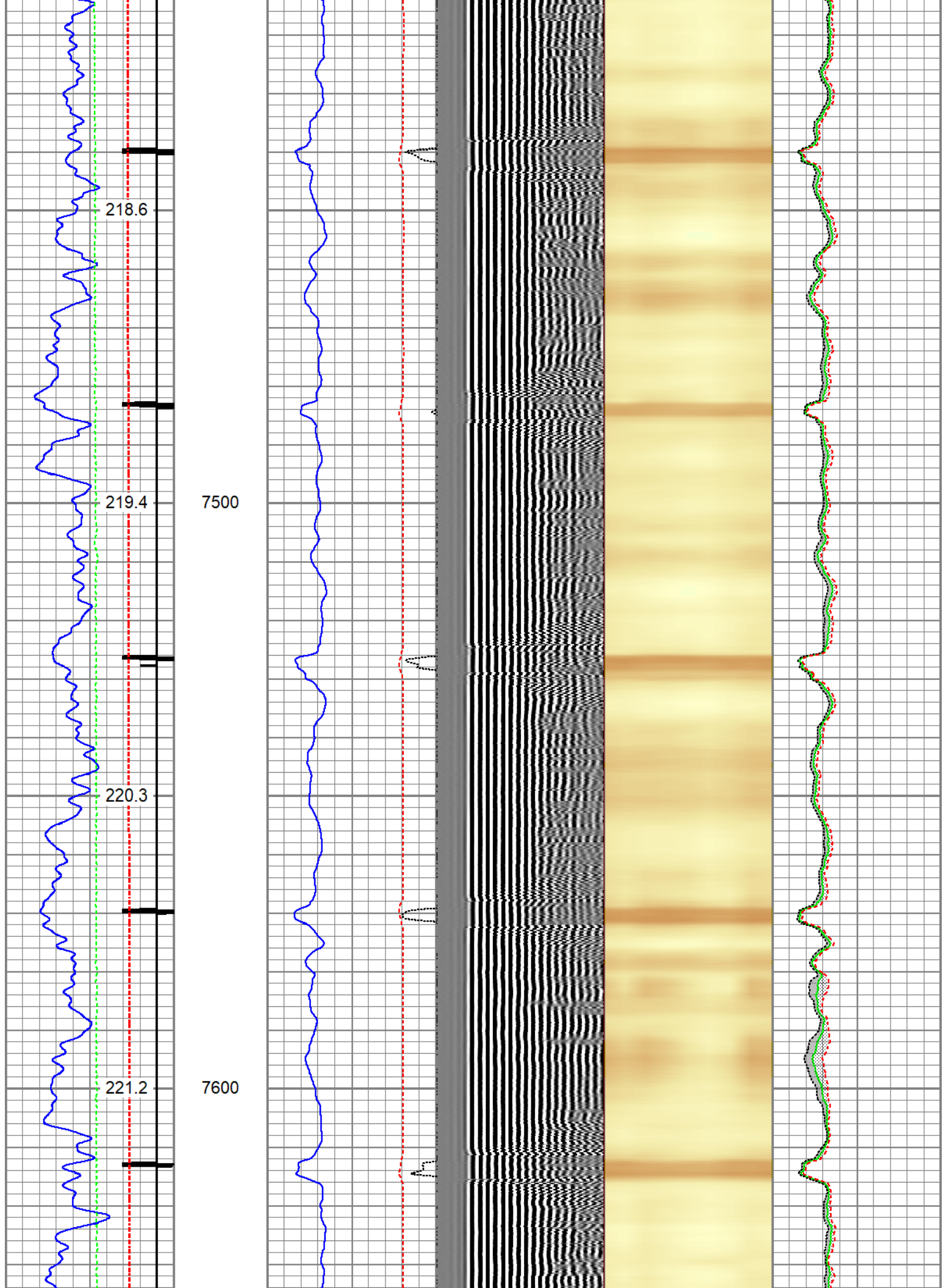




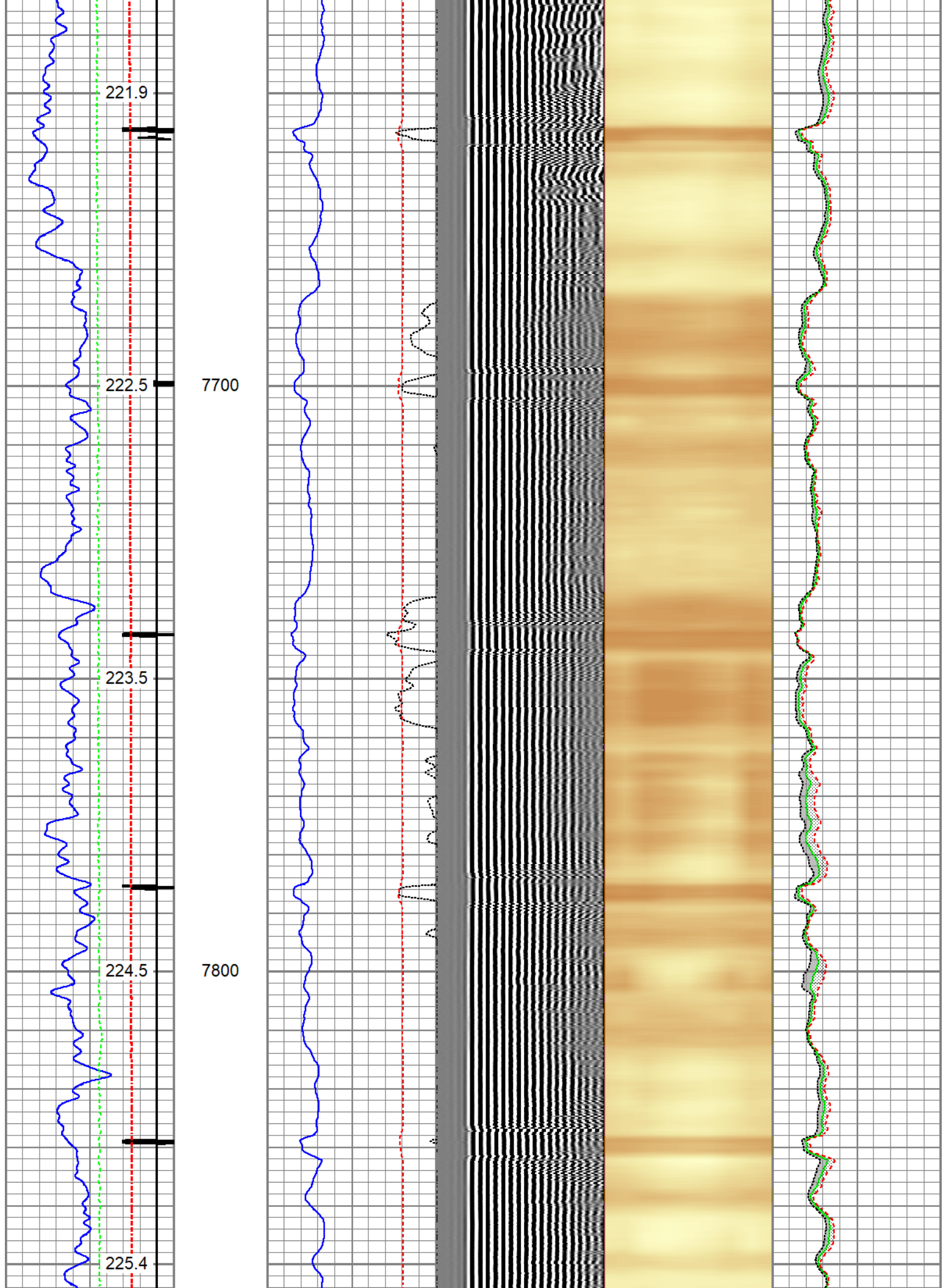


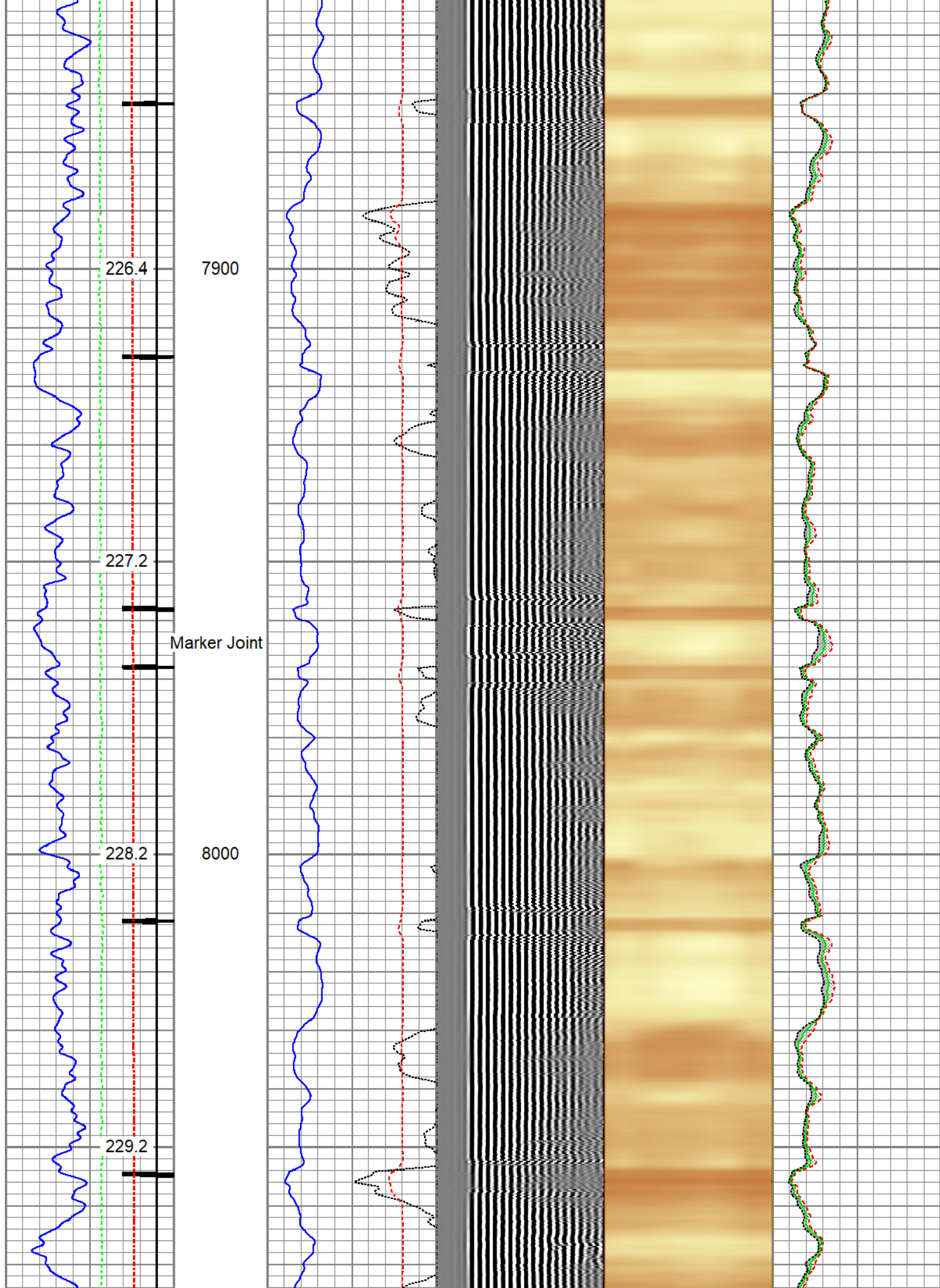


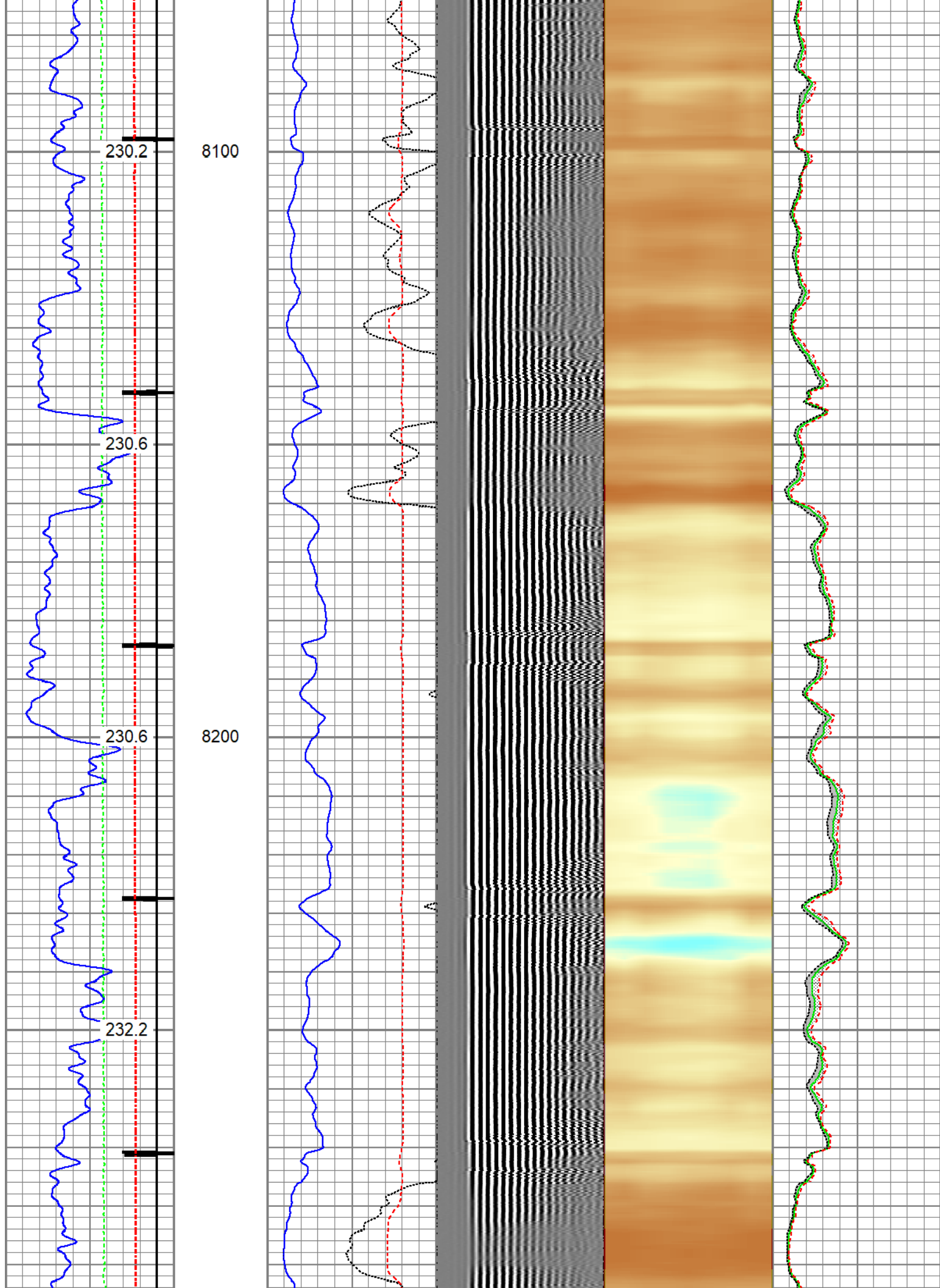




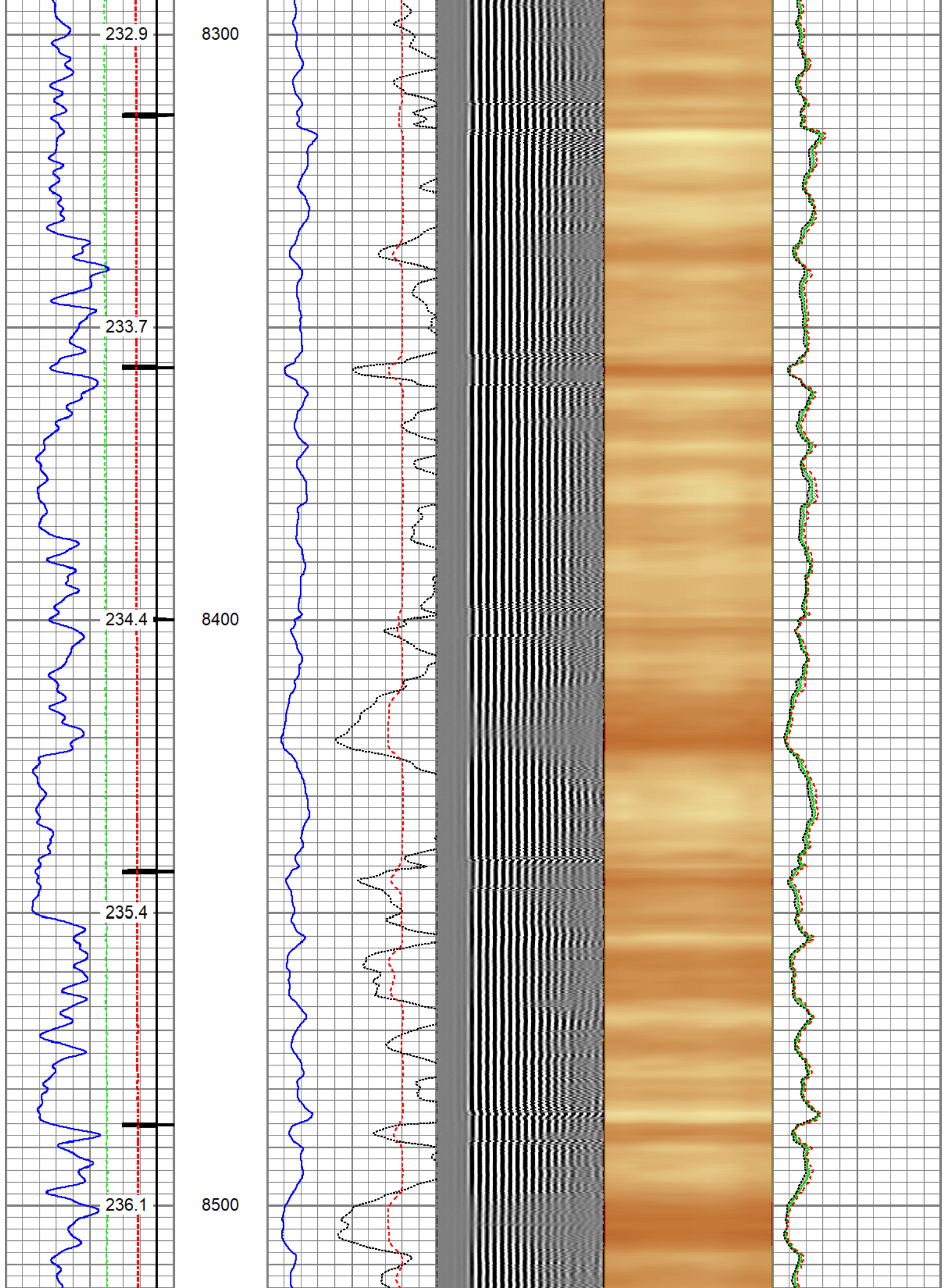




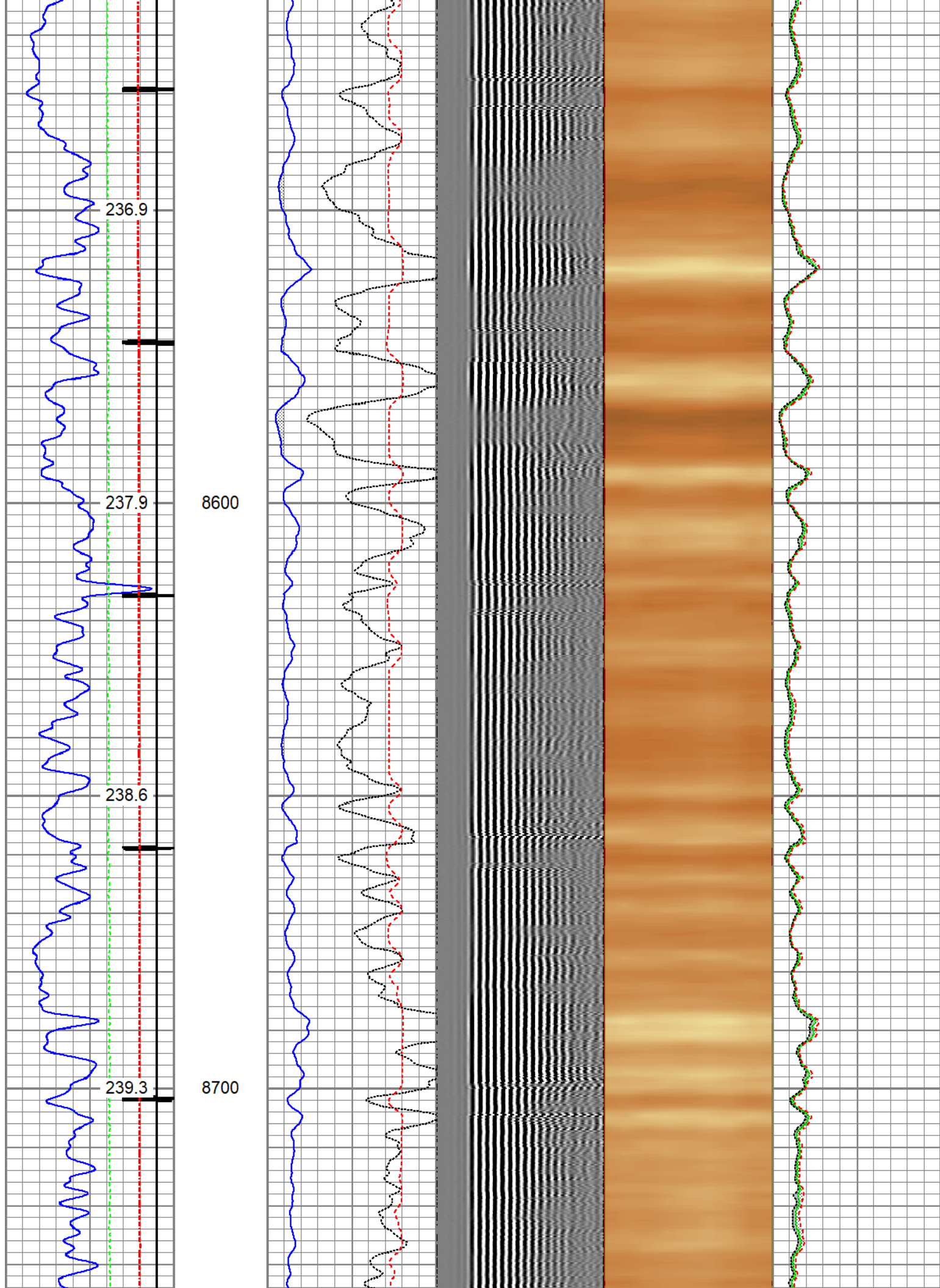


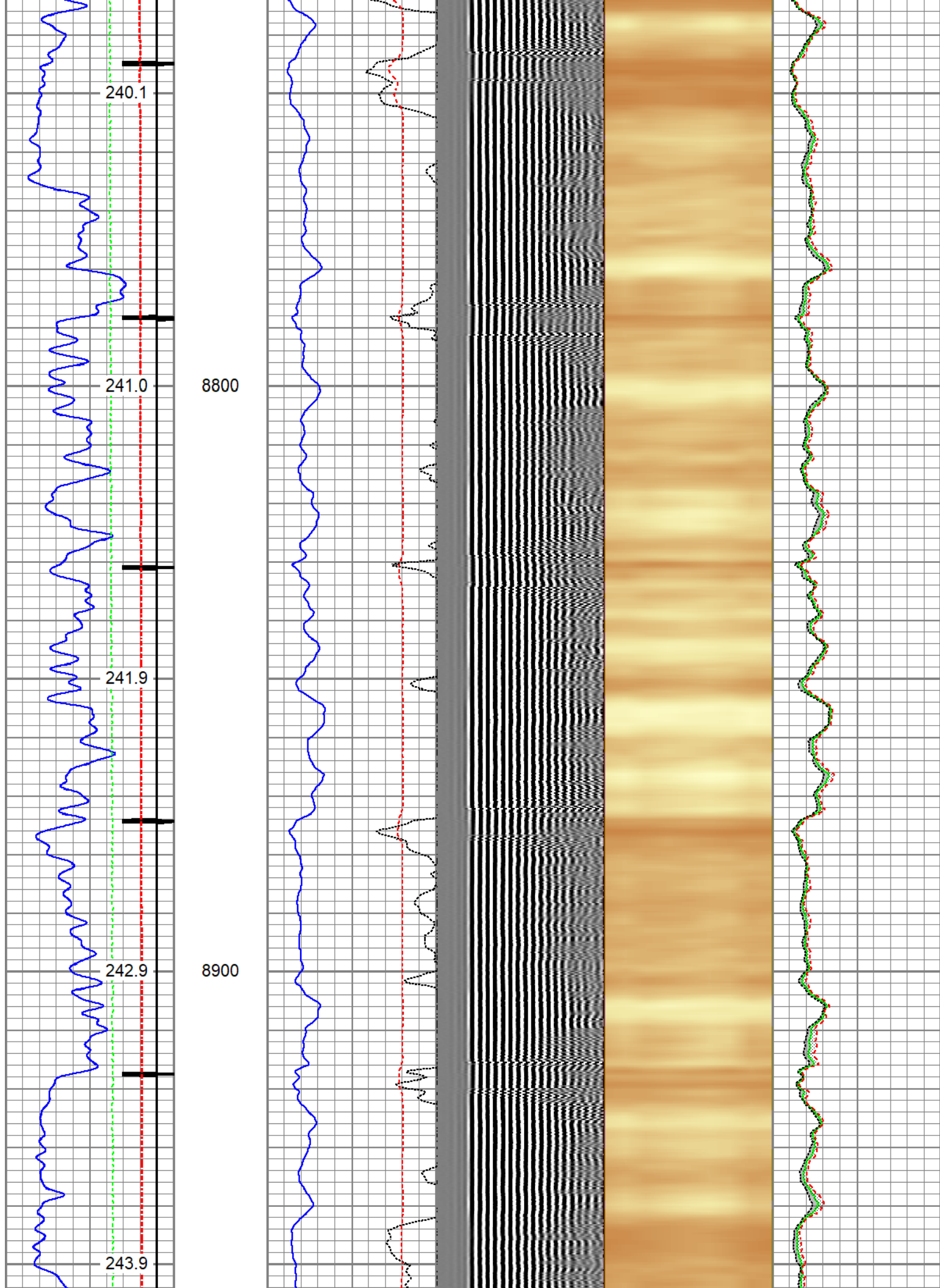


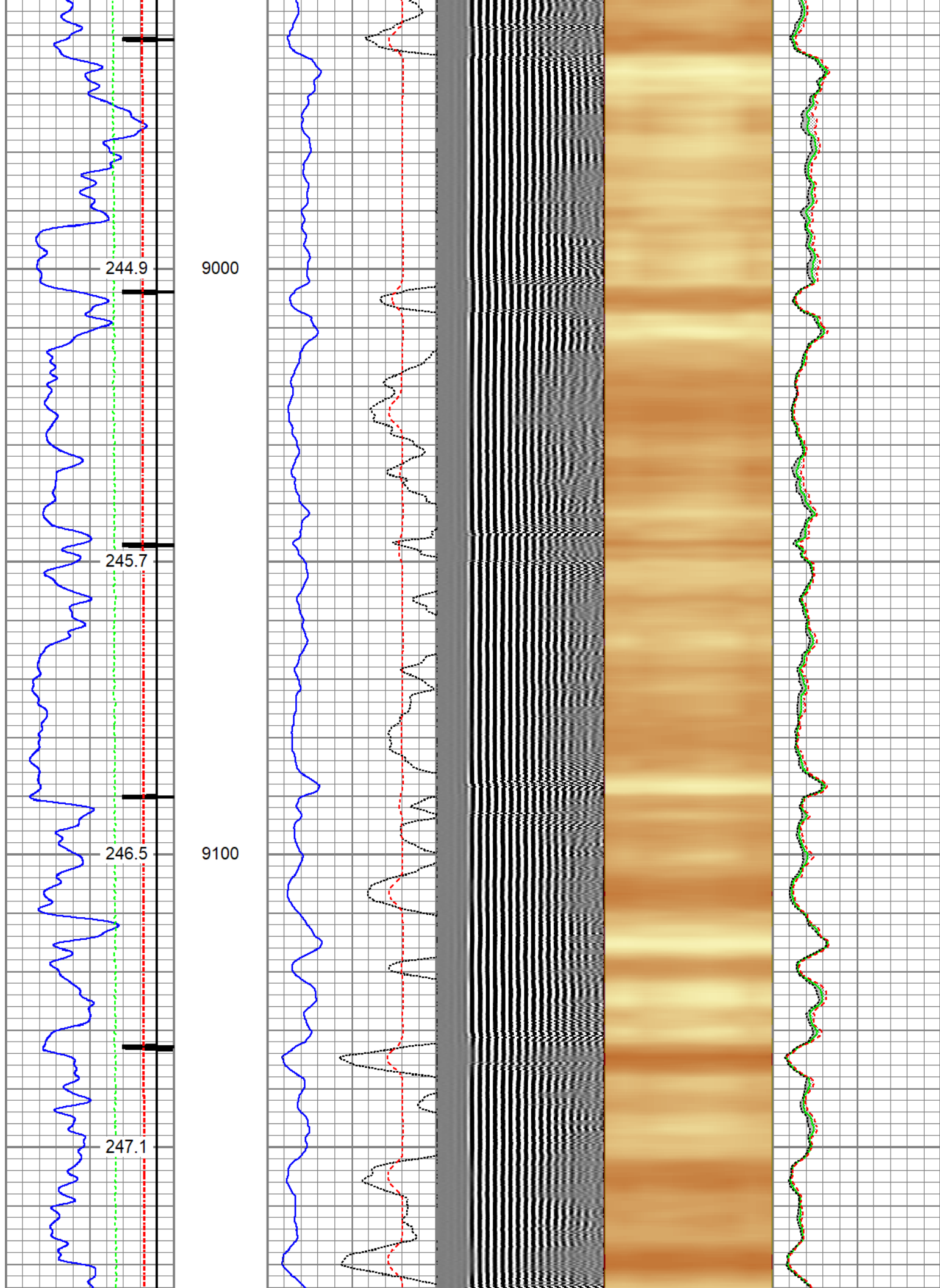




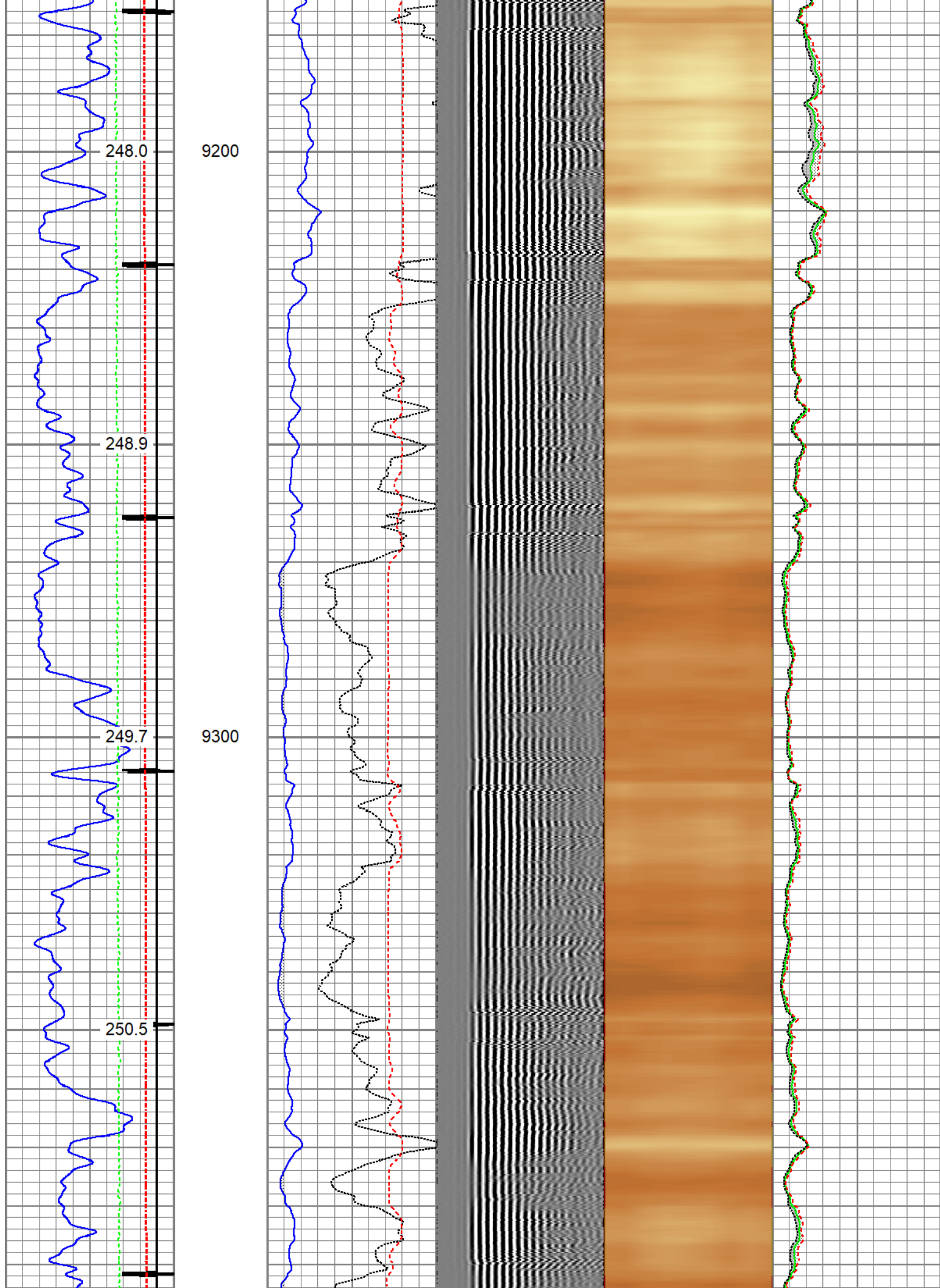




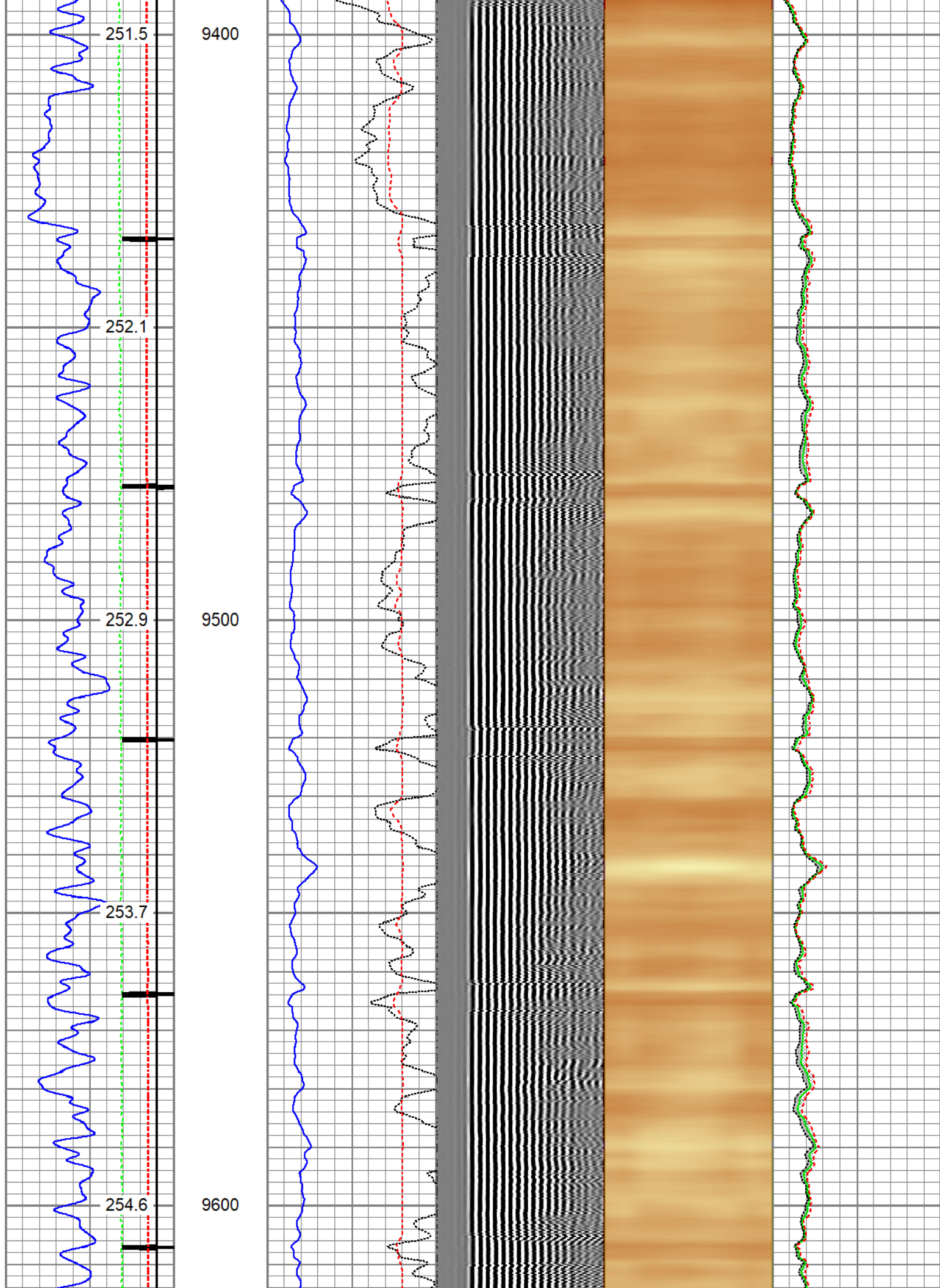


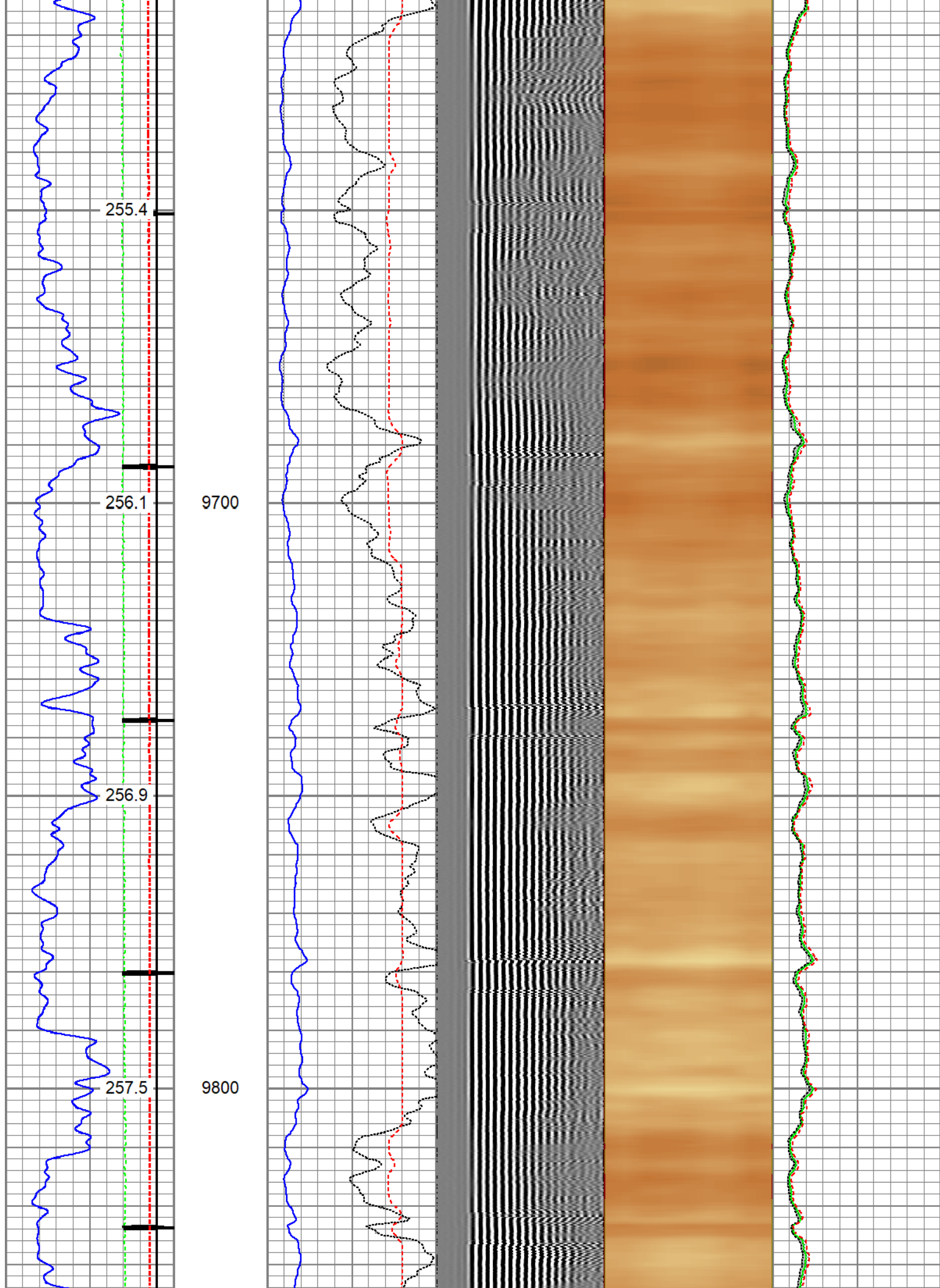


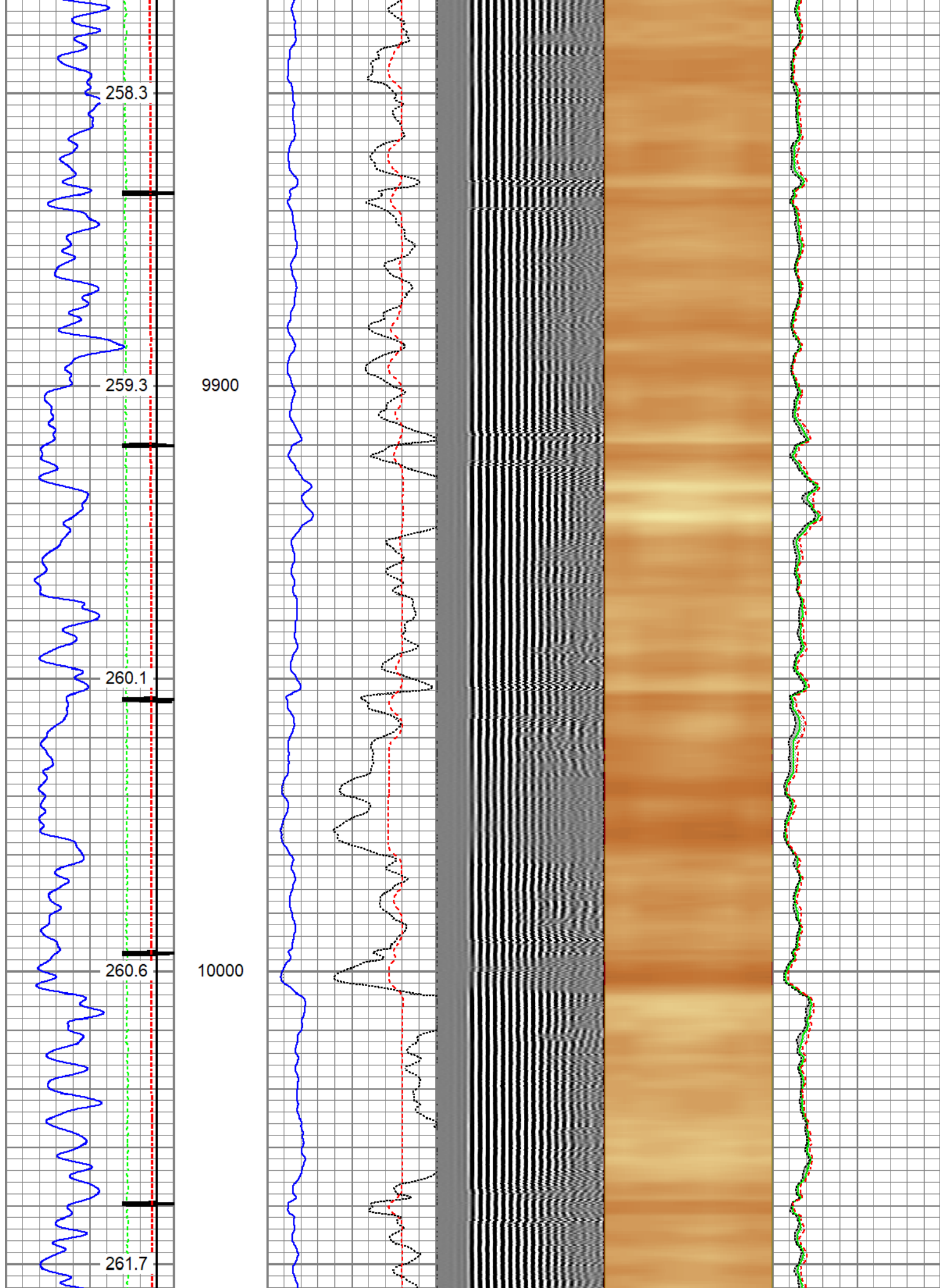




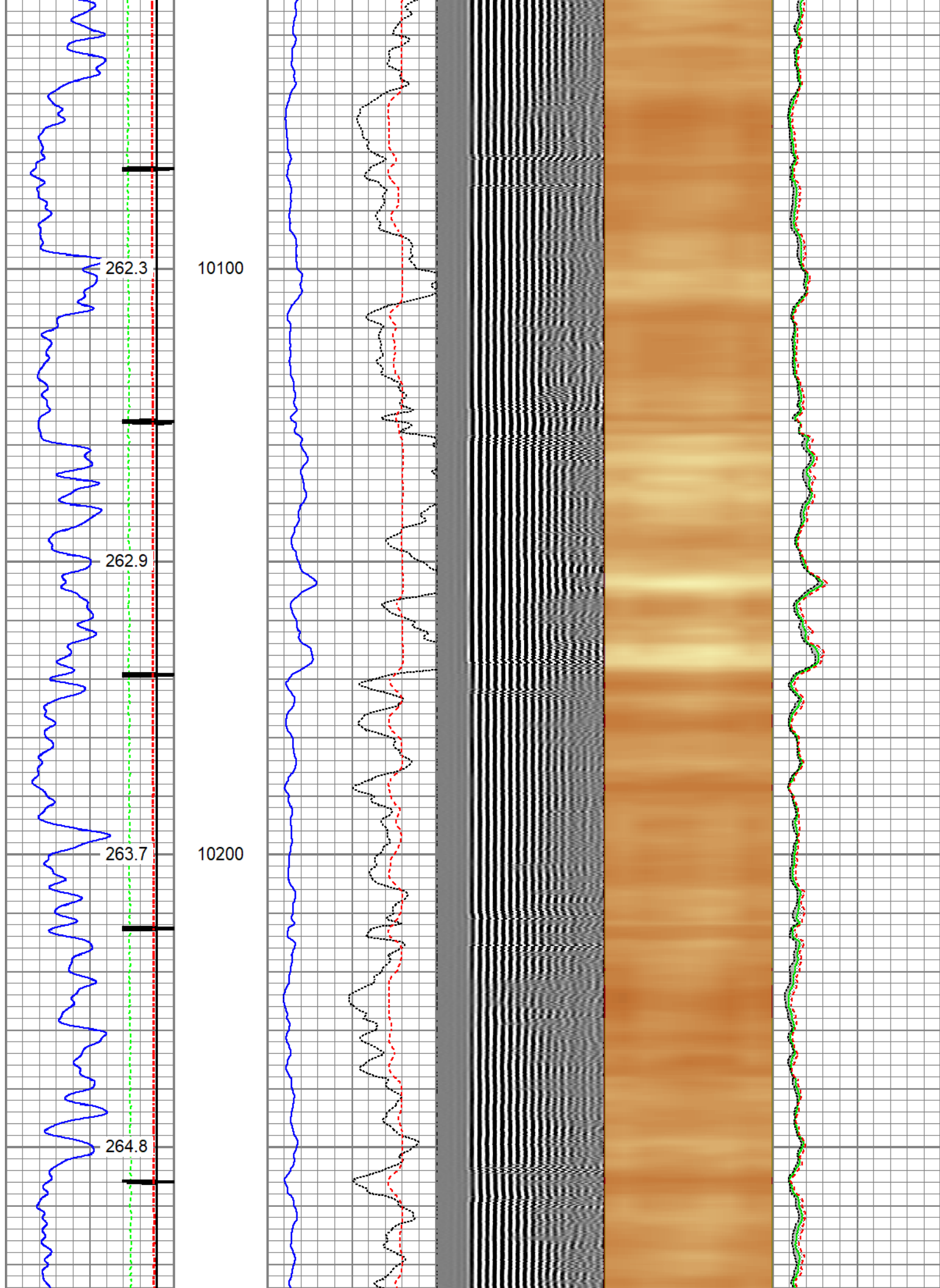




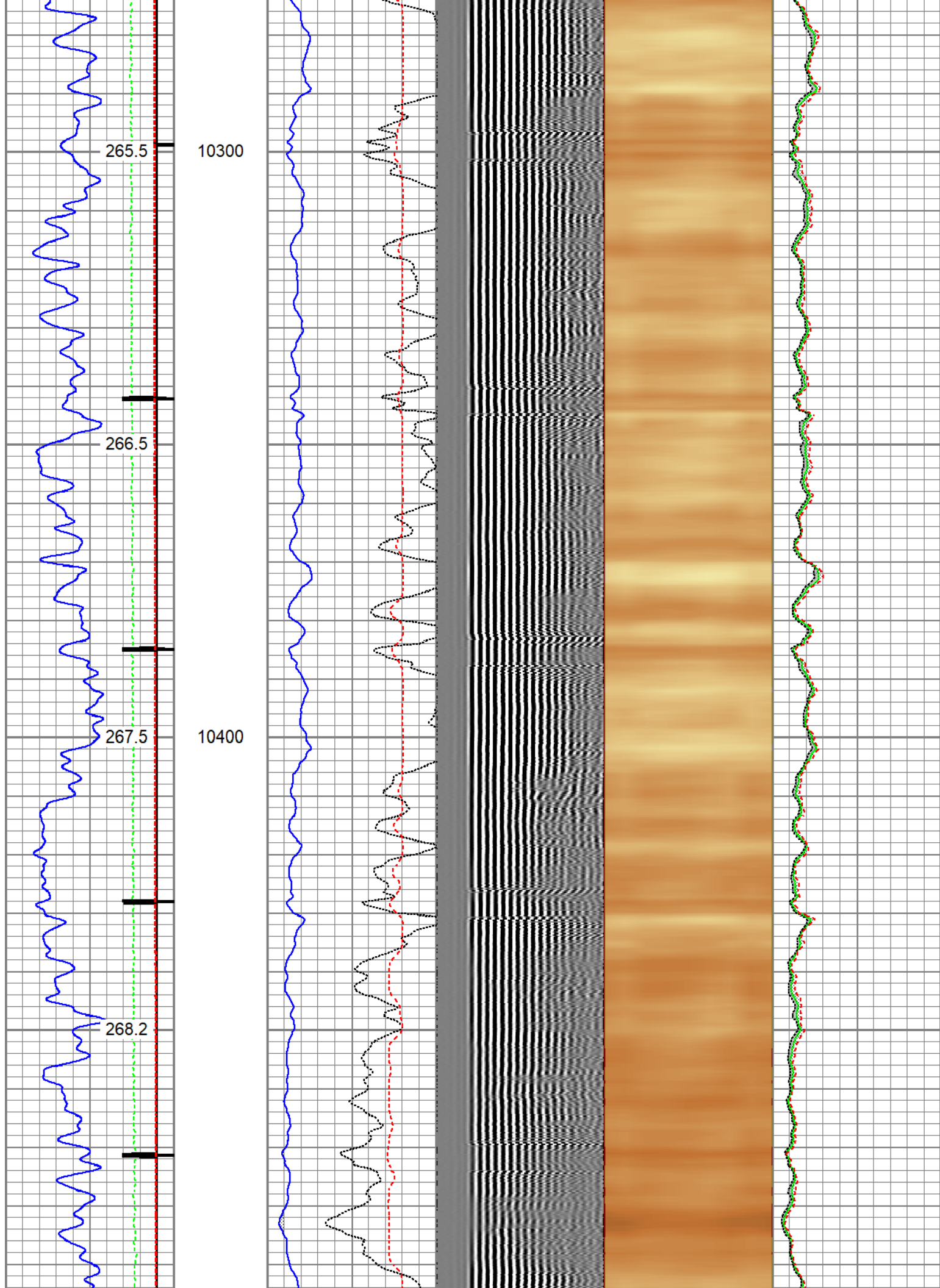


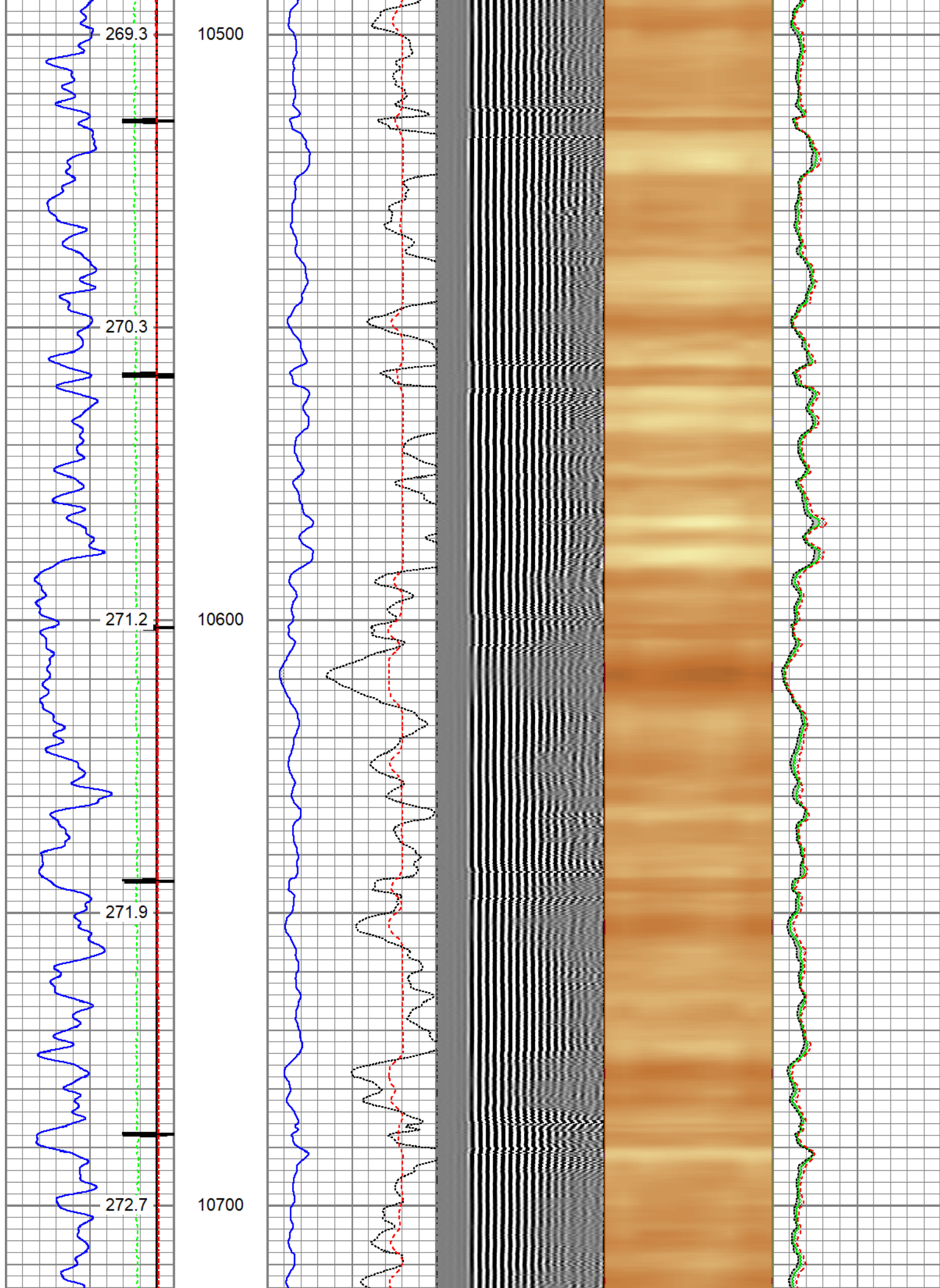


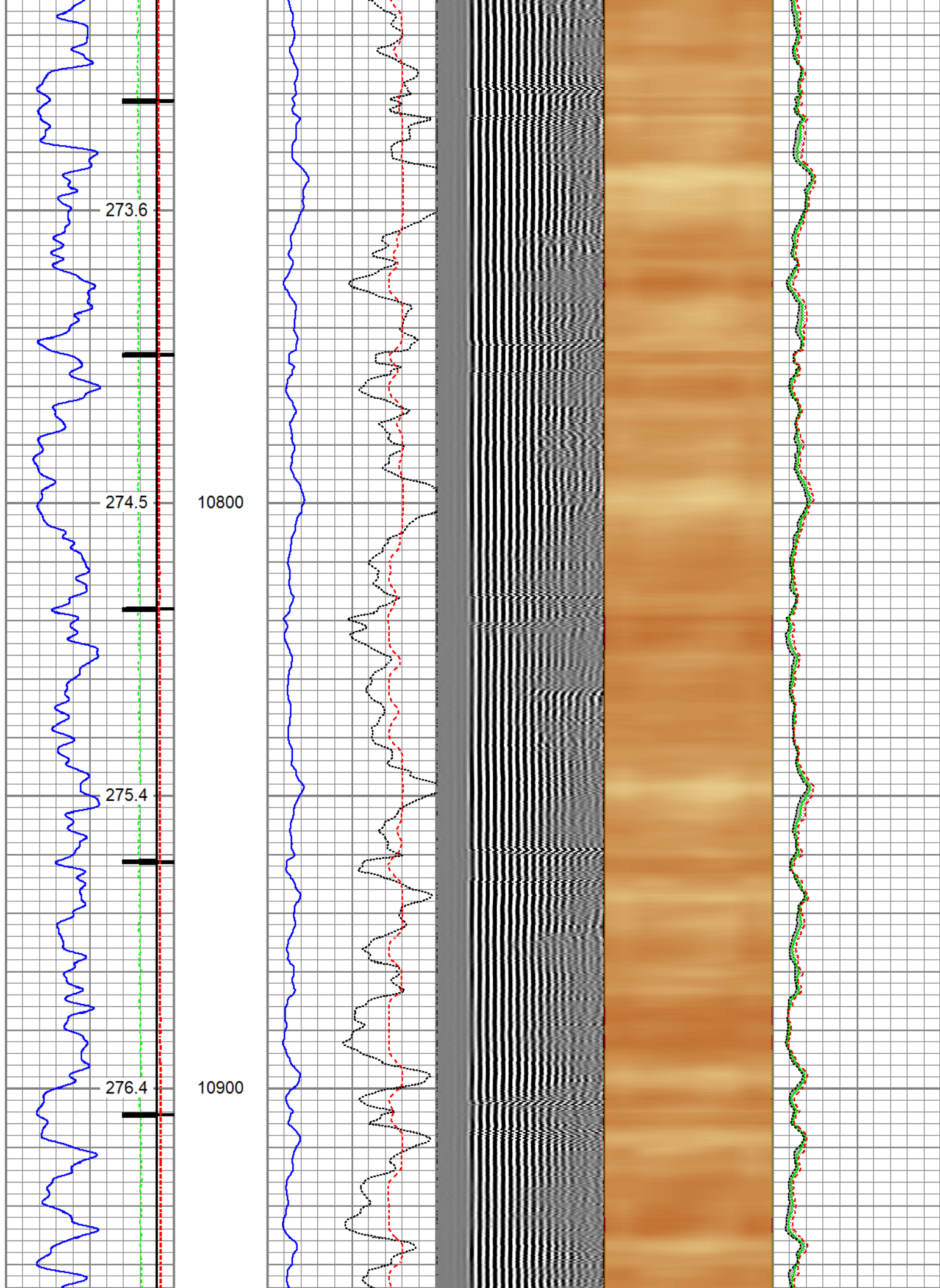




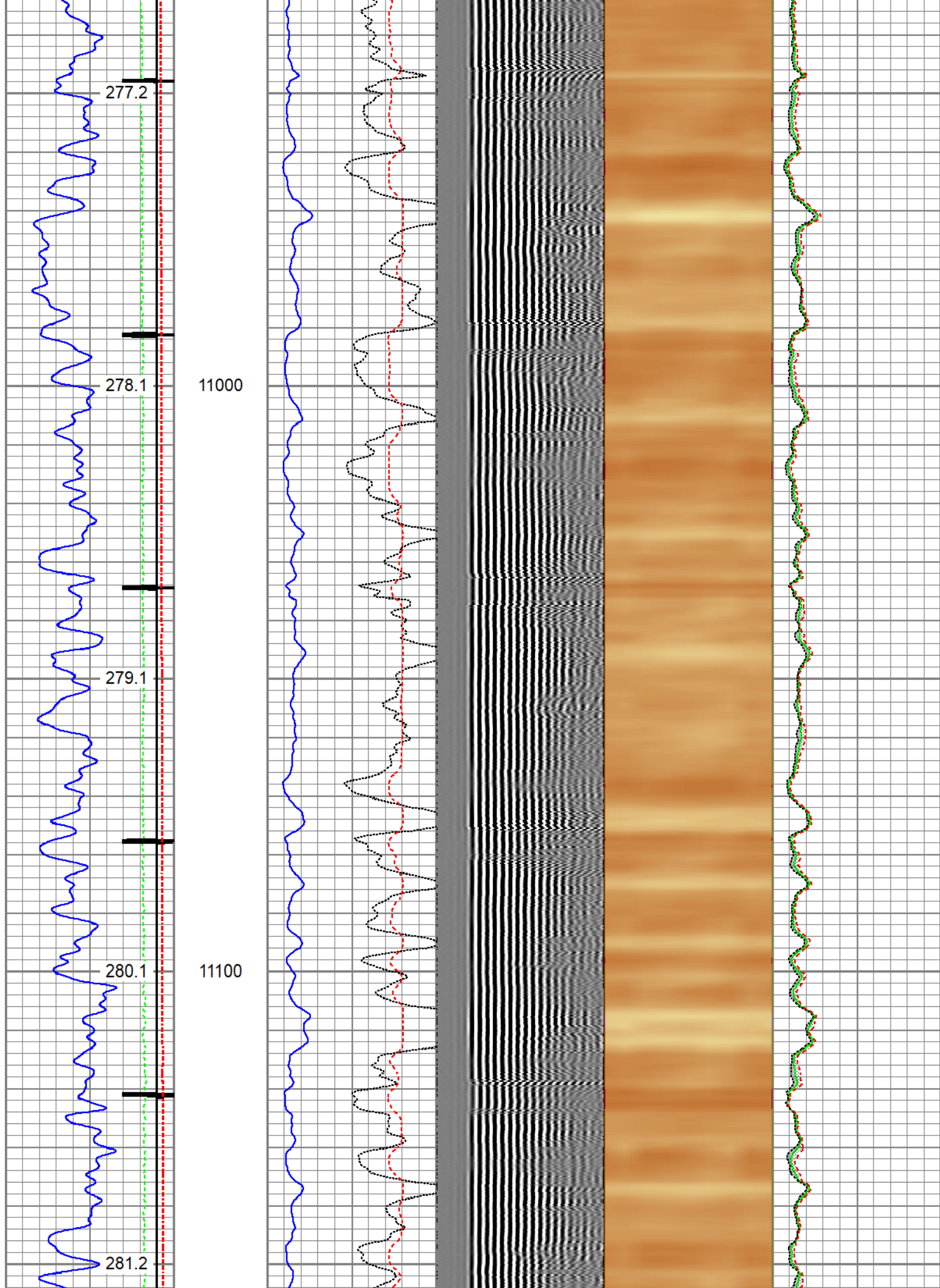


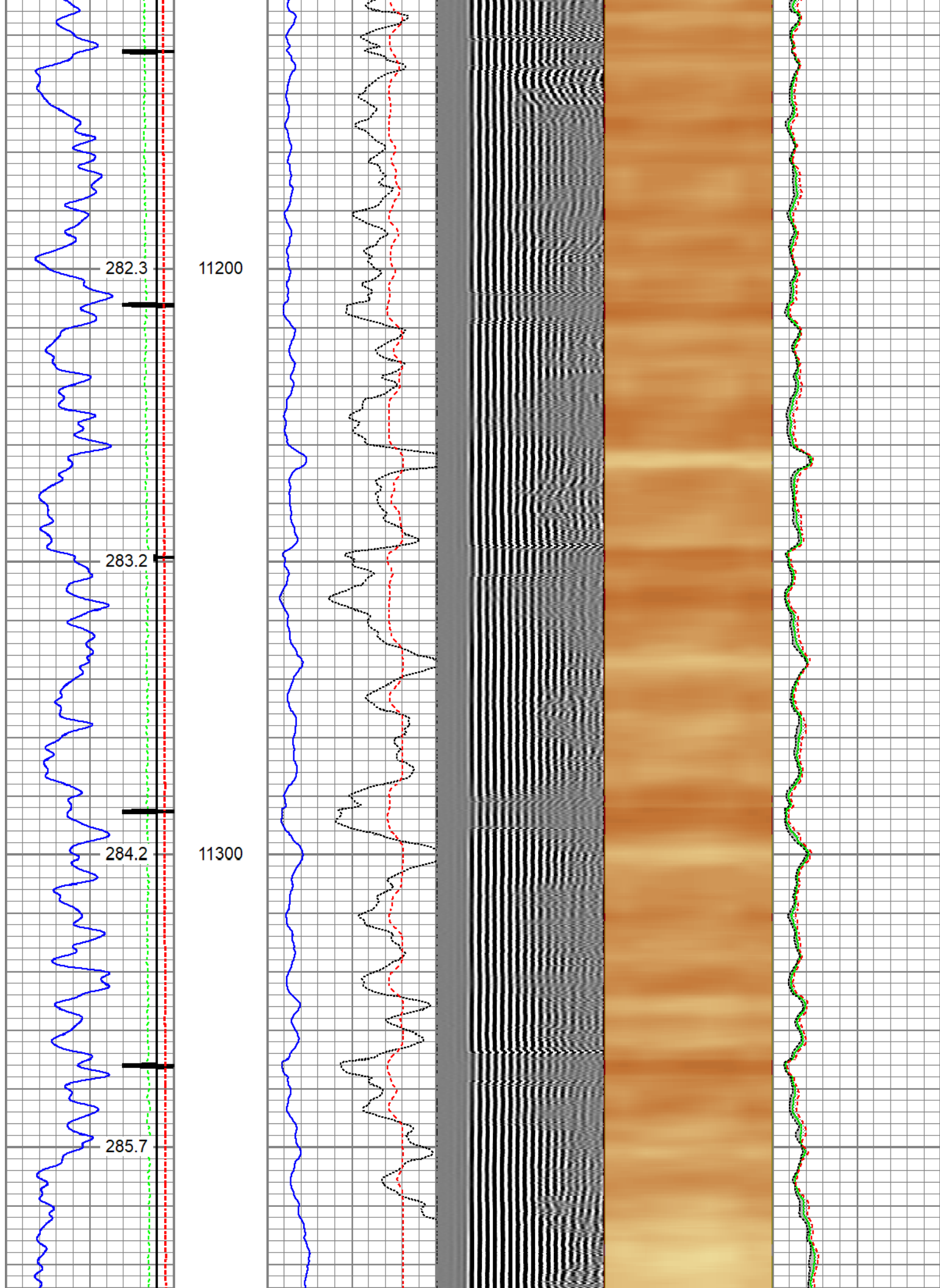


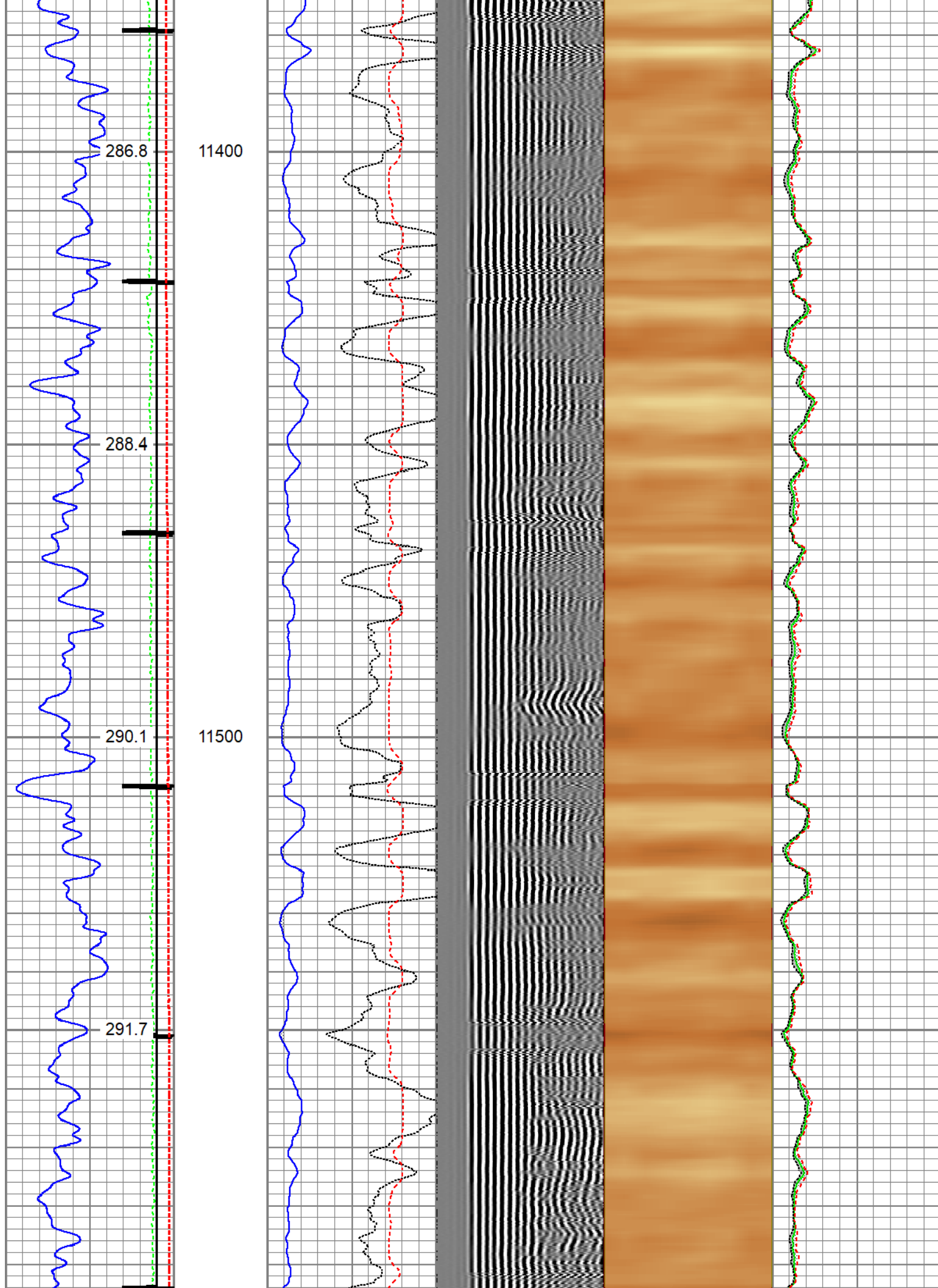




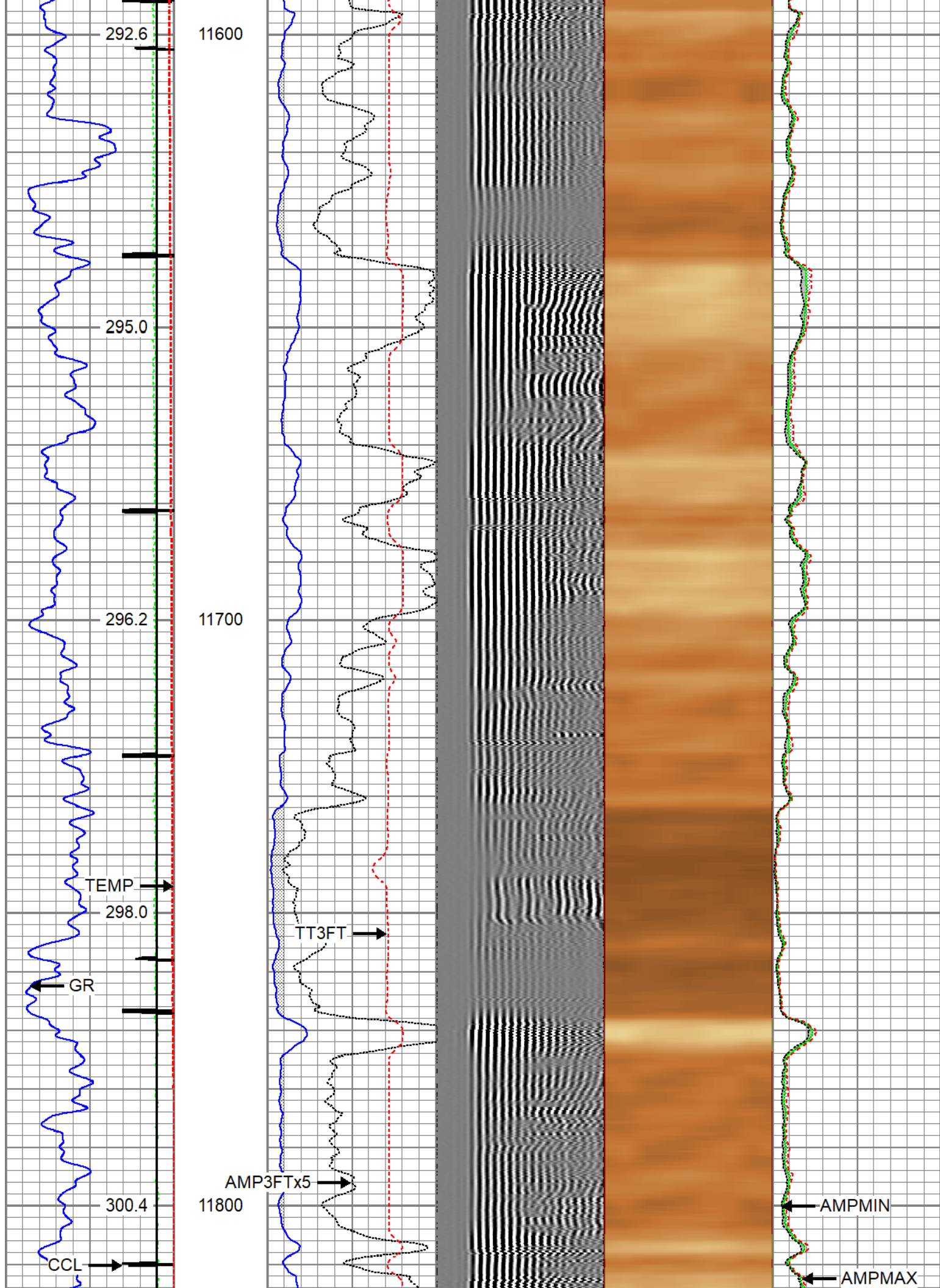


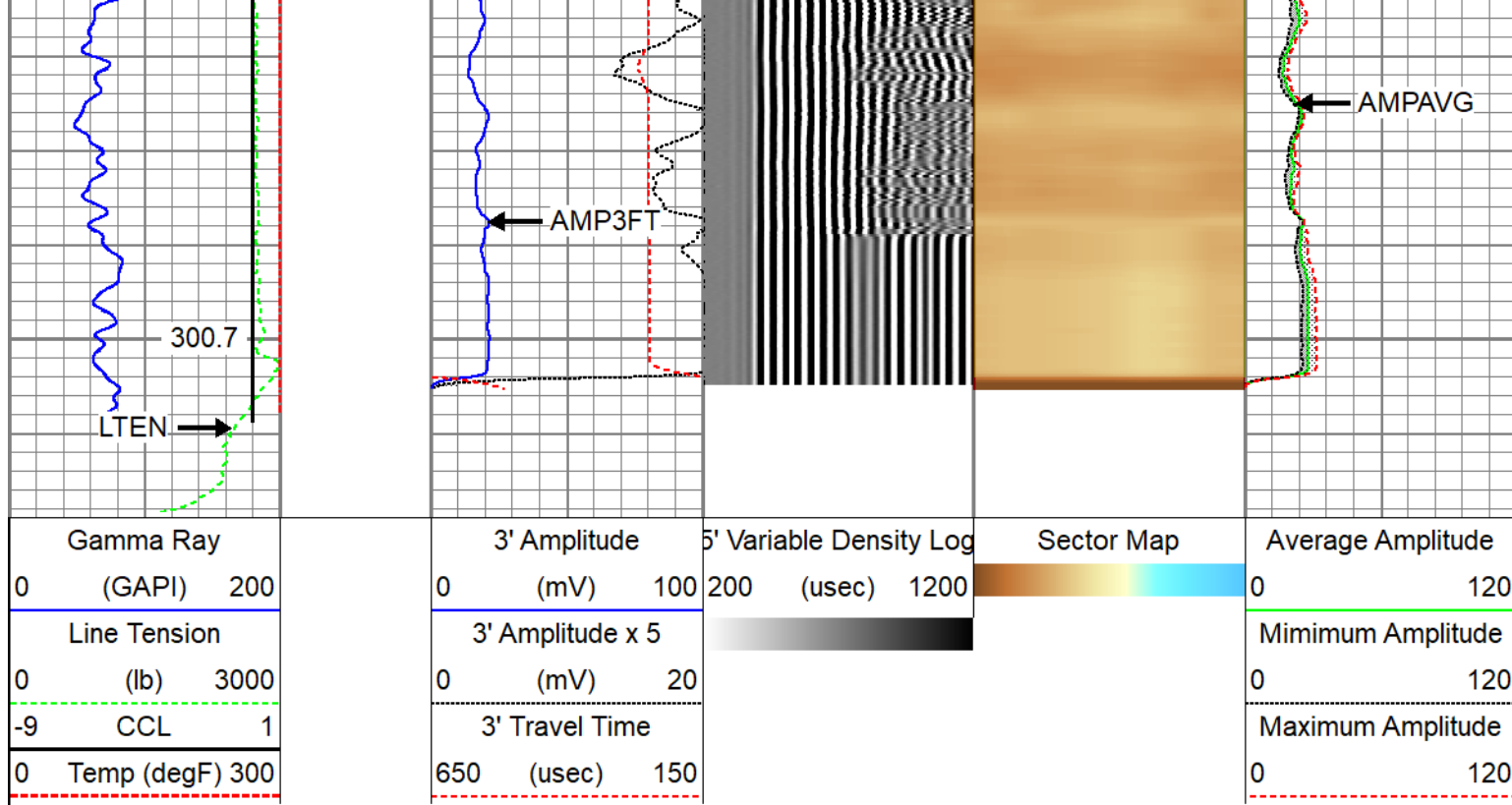




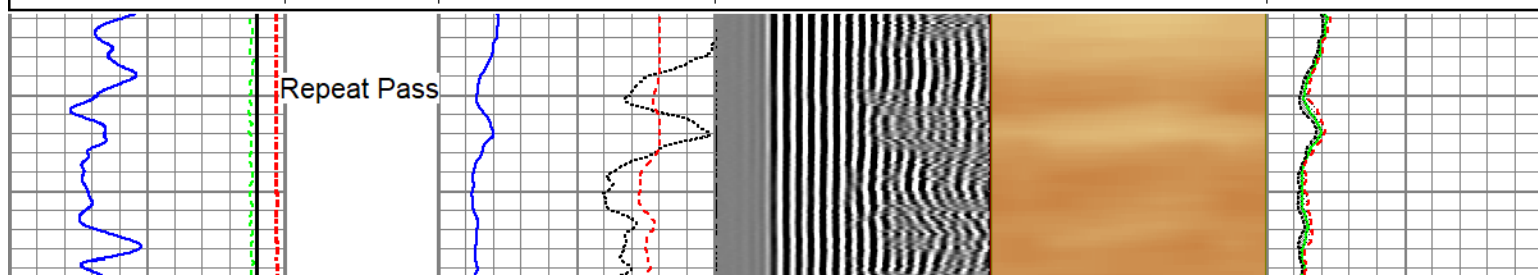
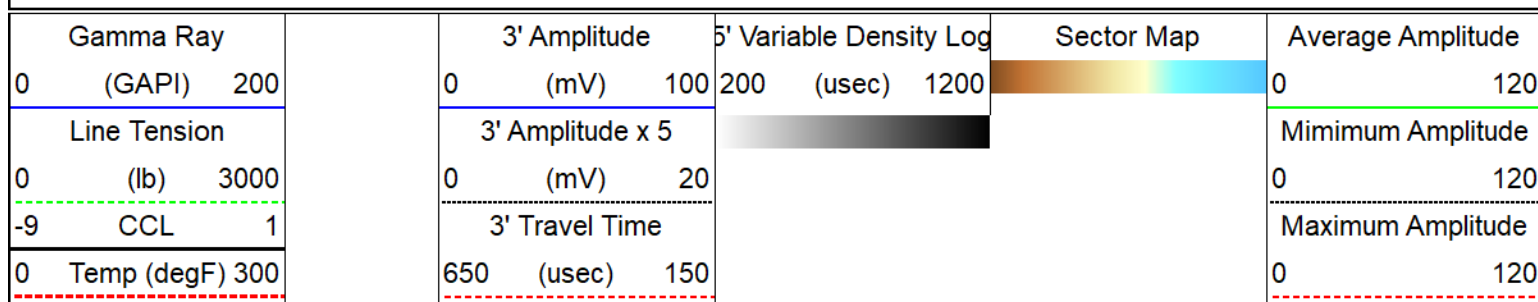


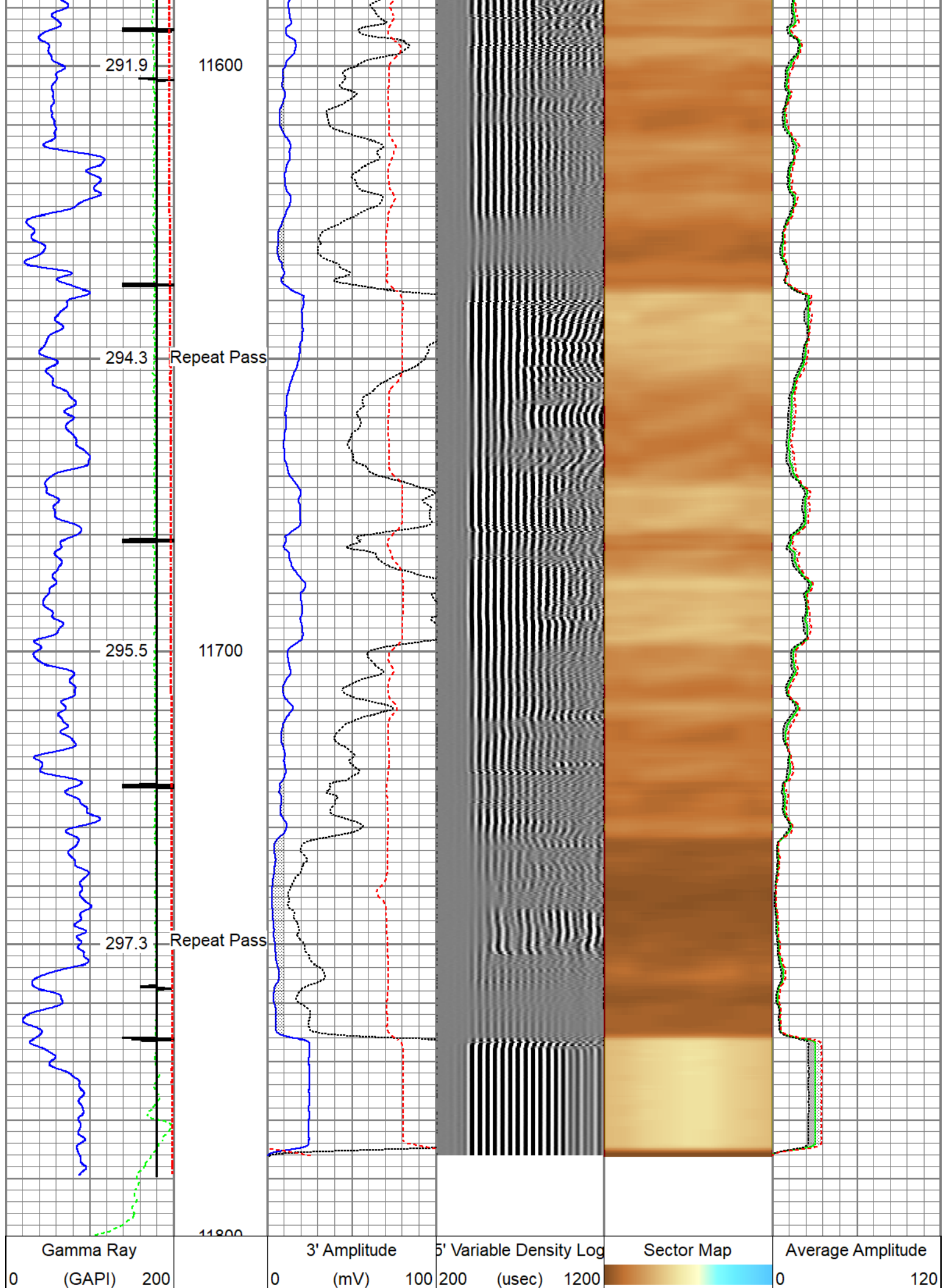






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Dataset Pathname	repeat
Presentation Format	twgrcbl
Dataset Creation	Thu Dec 22 12:52:57 2022
Charted by	Depth in Feet scaled 1:240







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

Calibration Report					
Database File	caerus_bju b26 fed 12d-26-496_rcbl-cnI_12-22-2022.db				
Dataset Pathname	main				
Dataset Creation	Thu Dec 22 13:00:57 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
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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
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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 CNSSC	2.24		CNT-275Dig (FW1409-35) Probe Digital CNL	5.24	2.75	40.00
	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 12d-26-496_rcbl-cn1_12-22-2022.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 12D-26-496				
Field	Grand Valley				
County	Garfield		State	Colorado	
			Radial Cement Bond Gamma Ray Casing Collar Log		