



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company		TEP Rocky Mountain LLC					
Well		Federal WMC 11-20					
Field		Rulison					
County		Garfield					
State		Colorado					
Location:		API # : 05-045-24492					
SEC 17 TWP 7S RGE 93W		Other Services					
Permanent Datum		Ground Level	Elevation				
Log Measured From		Kelly Bushing	8869 FT				
Drilling Measured From		Kelly Bushing	K.B. 8899 FT D.F. 8898 FT G.L. 8869 FT				
Date	14-OCT-2022						
Run Number	One						
Depth Driller	11004 FT						
Depth Logger	10852 FT						
Bottom Logged Interval	10840 FT						
Top Log Interval	Surface						
Open Hole Size	8.75"						
Type Fluid	Water						
Density / Viscosity	8.34 Lb/Gal						
Max. Recorded Temp.	259°F						
Estimated Cement Top	See Log						
Time Well Ready	ROA						
Time Logger on Bottom	10.10						
Equipment Number	8047						
Location	Grand Junction						
Recorded By	P. Edwards						
Witnessed By	S. Bungamer						
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size		Mgt/ft		Top		Bottom
Surface String	9-5/8"		36		Surface		1100 FT
Prot. String							
Production String	4-1/2"		11.6		Surface		10994 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

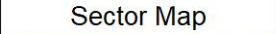

Log is correlated to 30' K.B.
Marker joint logged @ 6778 FT - 6788 FT
Log ran with 0 PSI at surface

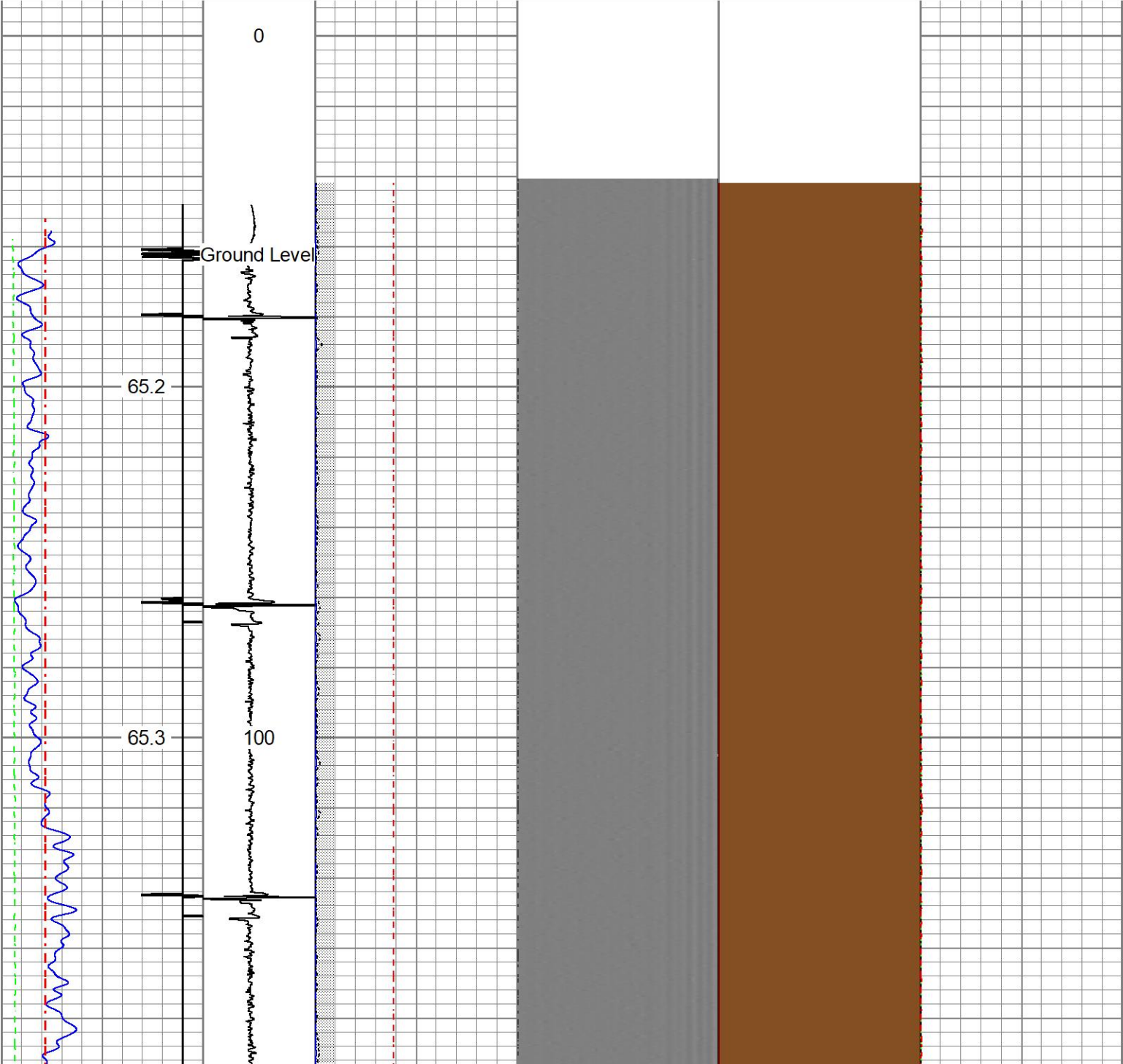
Thank you for choosing The Wireline Group.

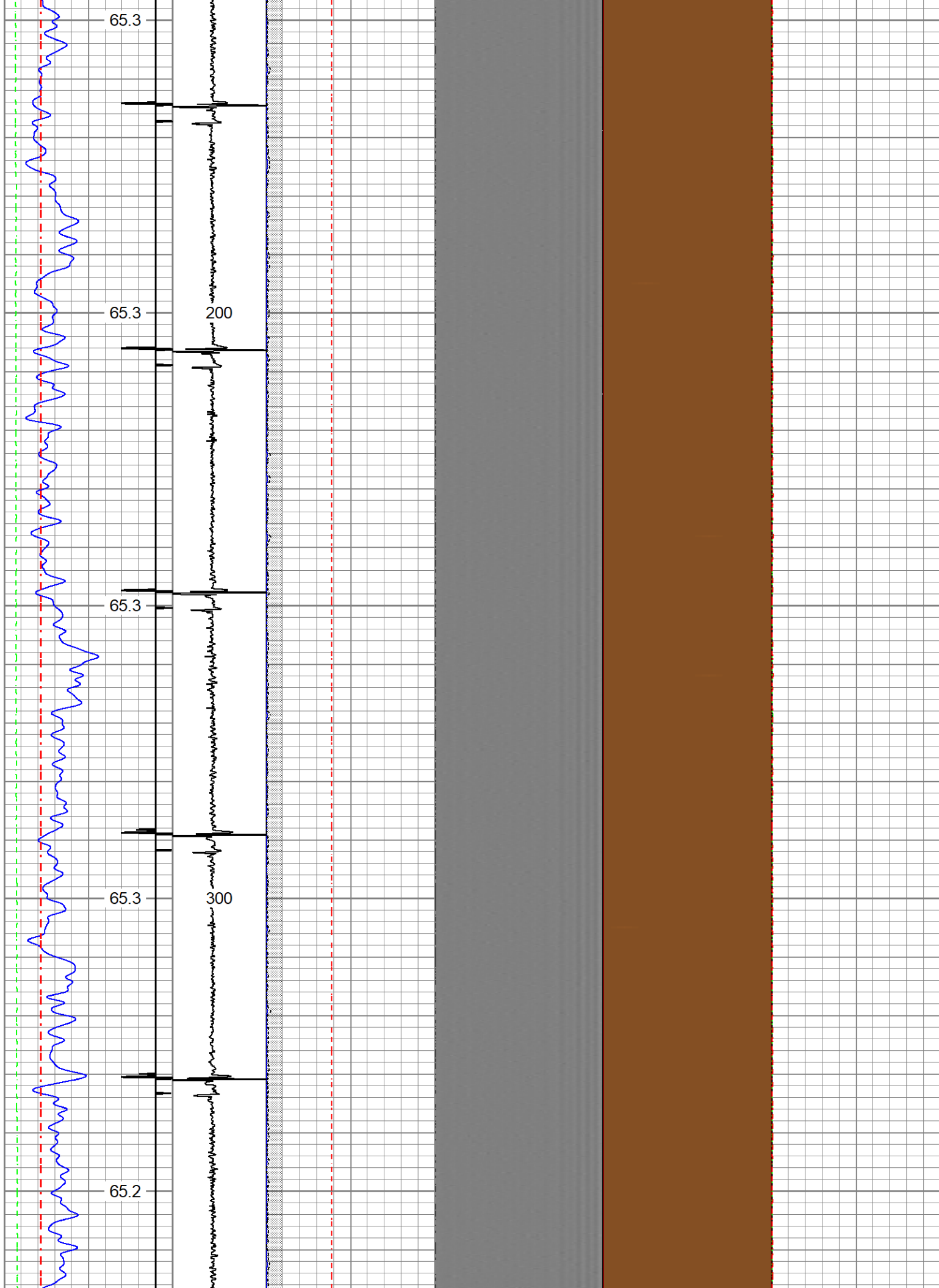


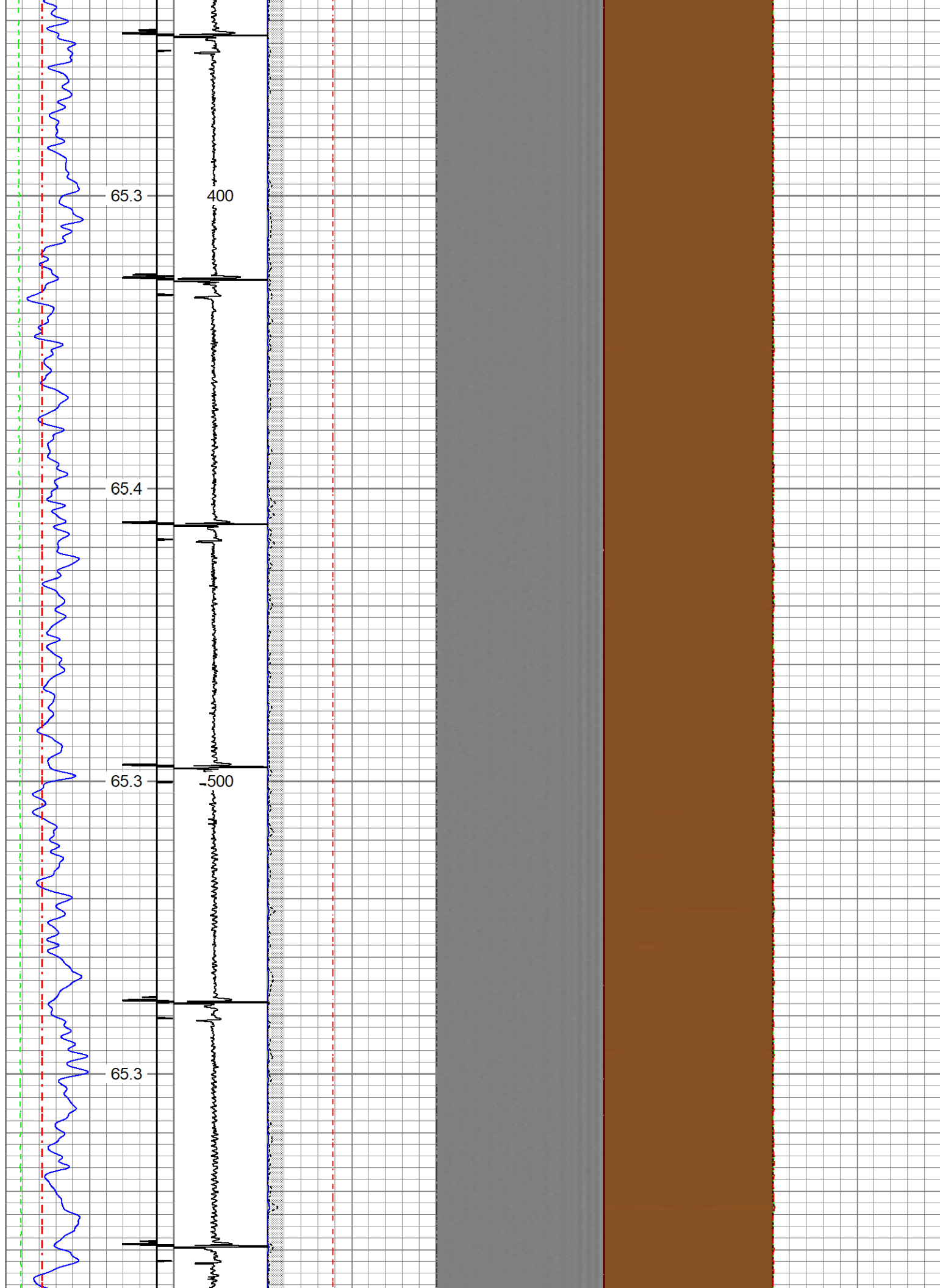
Main Pass 5" = 100'

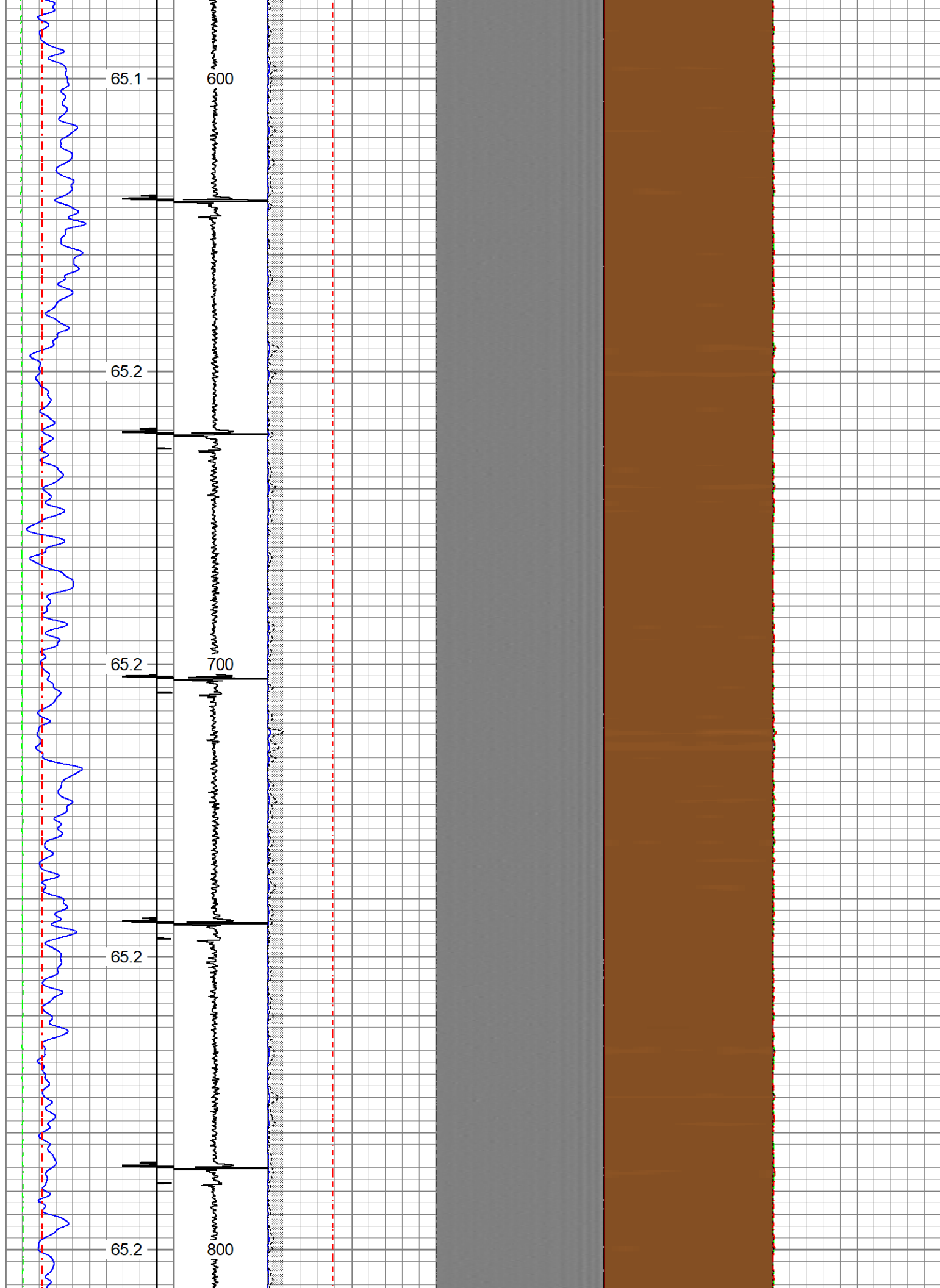
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Dataset Pathname main
Presentation Format twgrcbl
Dataset Creation Fri Oct 14 10:09:19 2022
Charted by Depth in Feet scaled 1:240

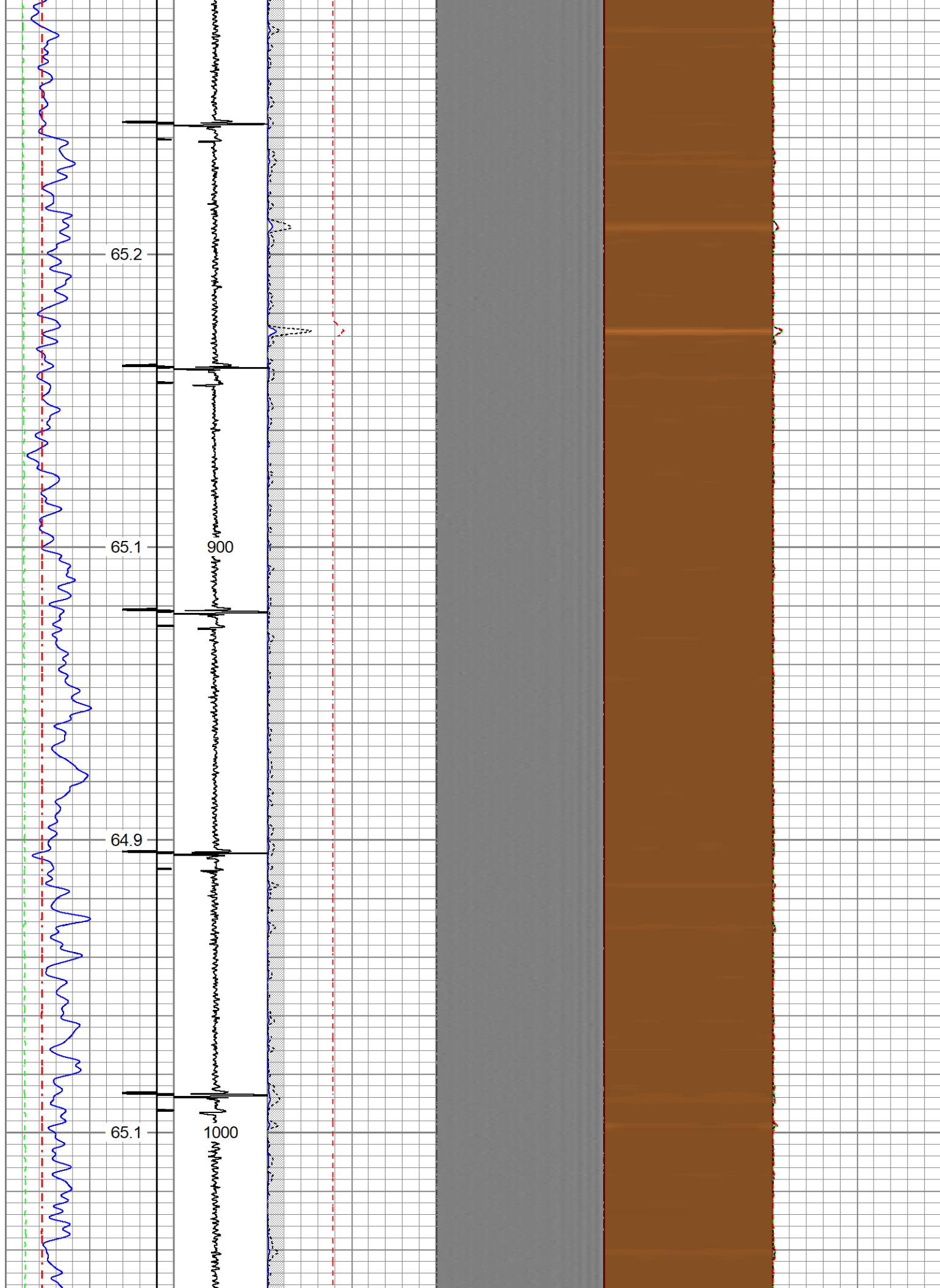
Gamma Ray			-5 CCL\$2 8	3' Amplitude		5' Variable Density Log			Average Amplitude		
0	(GAPI)	150		0	(mV)	100	200 (usec)		1200	0	120
Line Tension				3' Amplitude x 5					Minimum Amplitude		
0	(lb)	4000		0	(mV)	20			0	120	
-9 CCL\$1 1				3' Travel Time					Maximum Amplitude		
GCT_TEMP			650 (usec)		150			0 120			
0	(degF)	300									
GCT_TEMP											
(degF)											

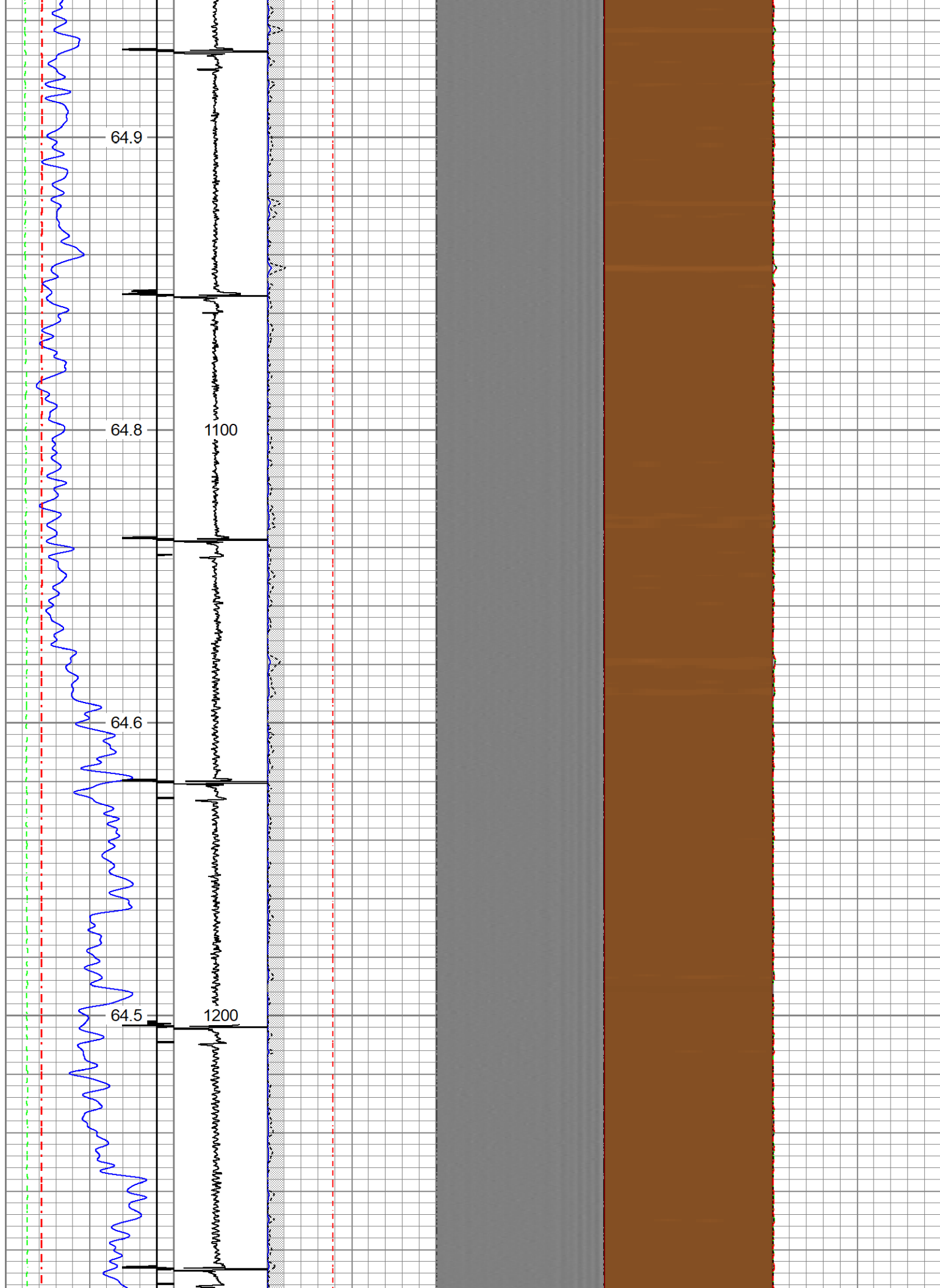


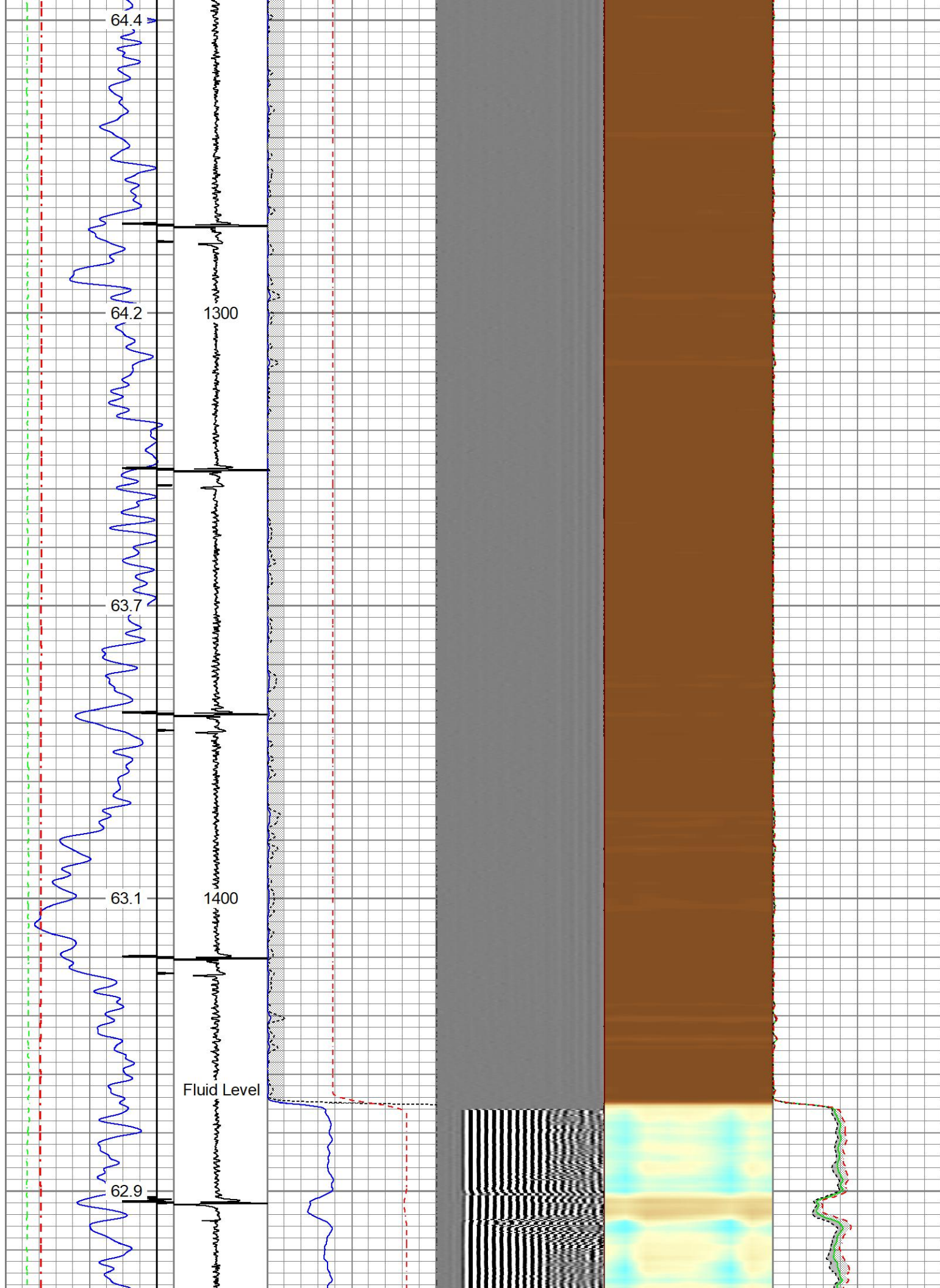


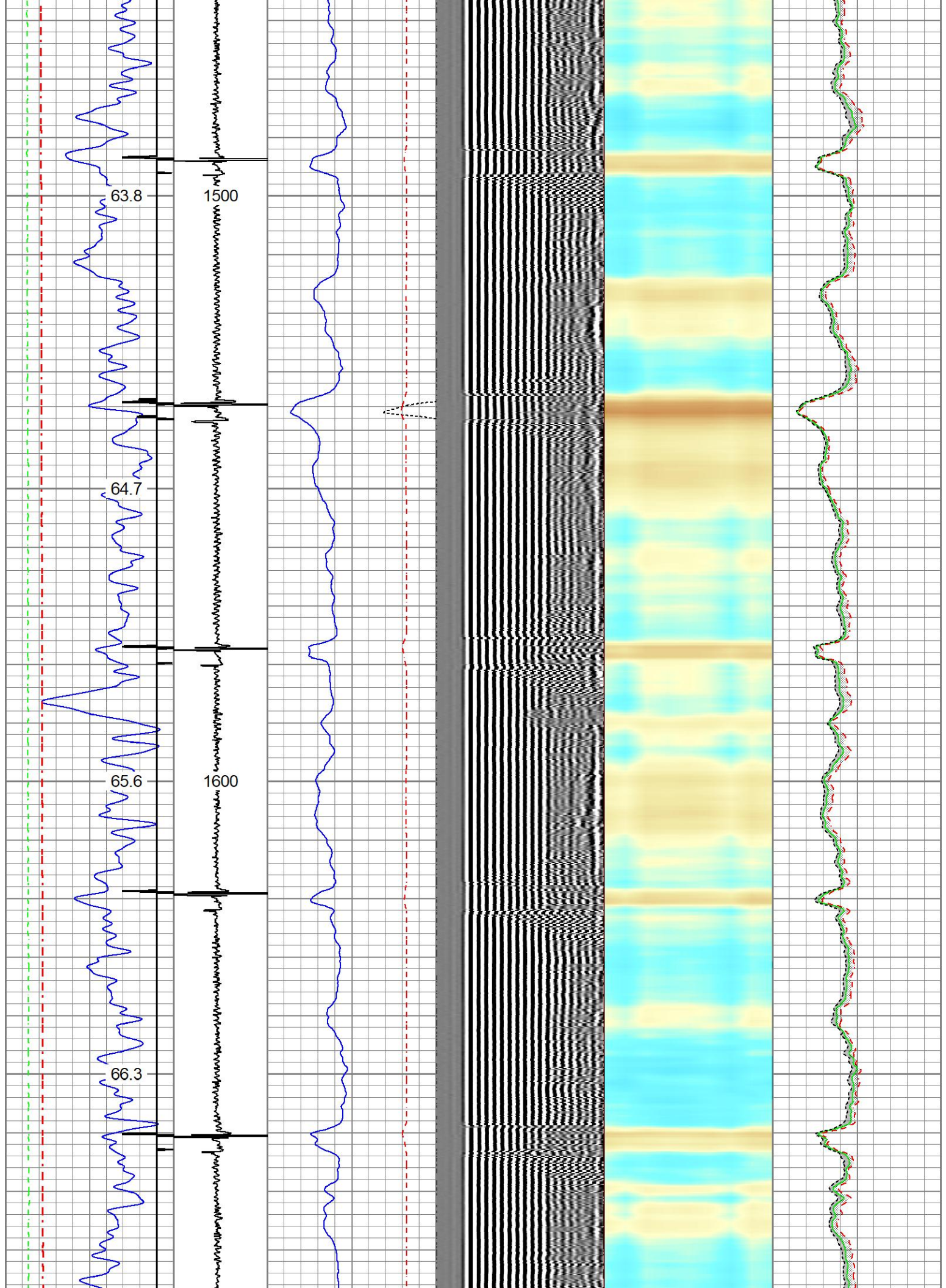


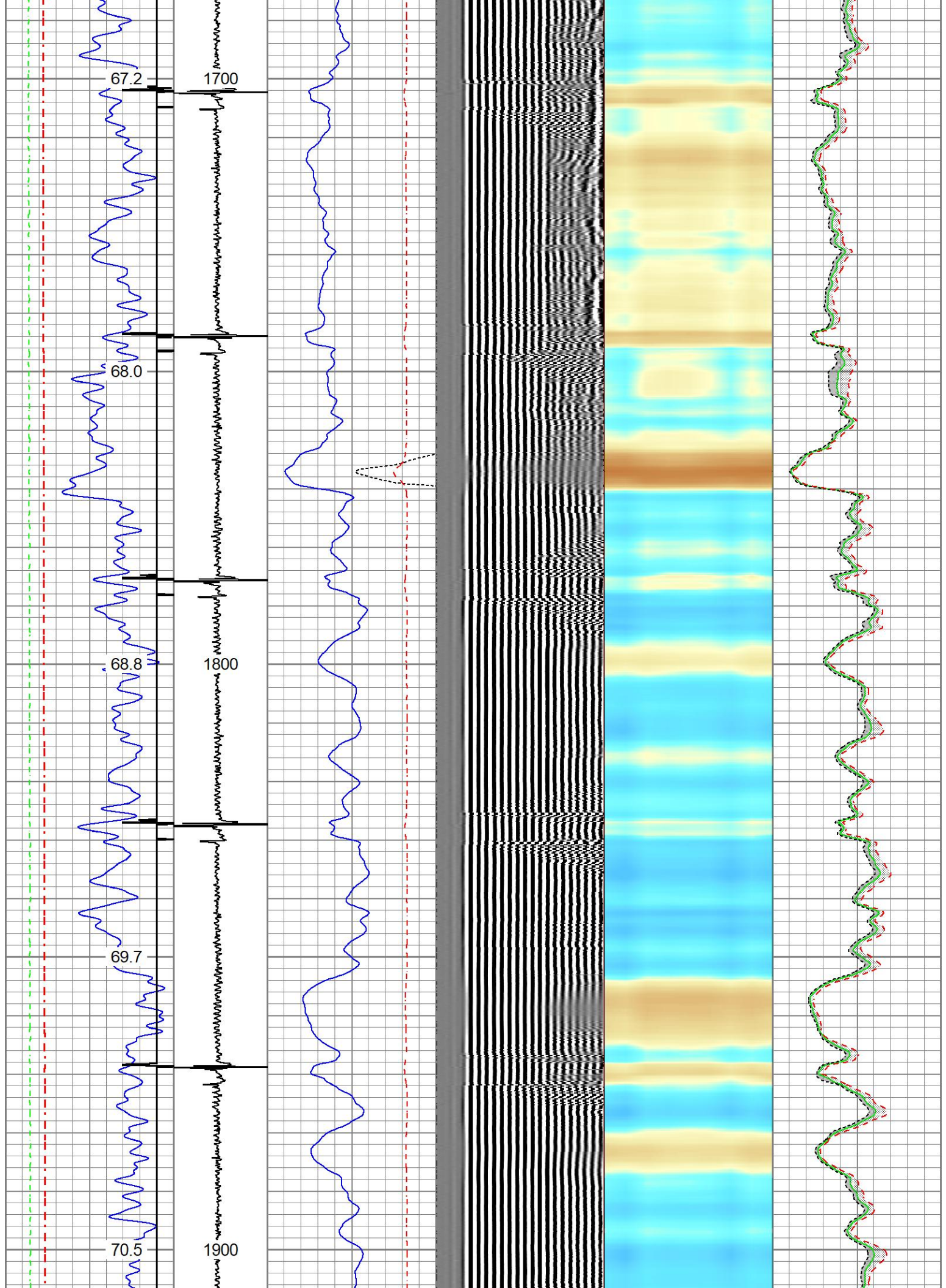


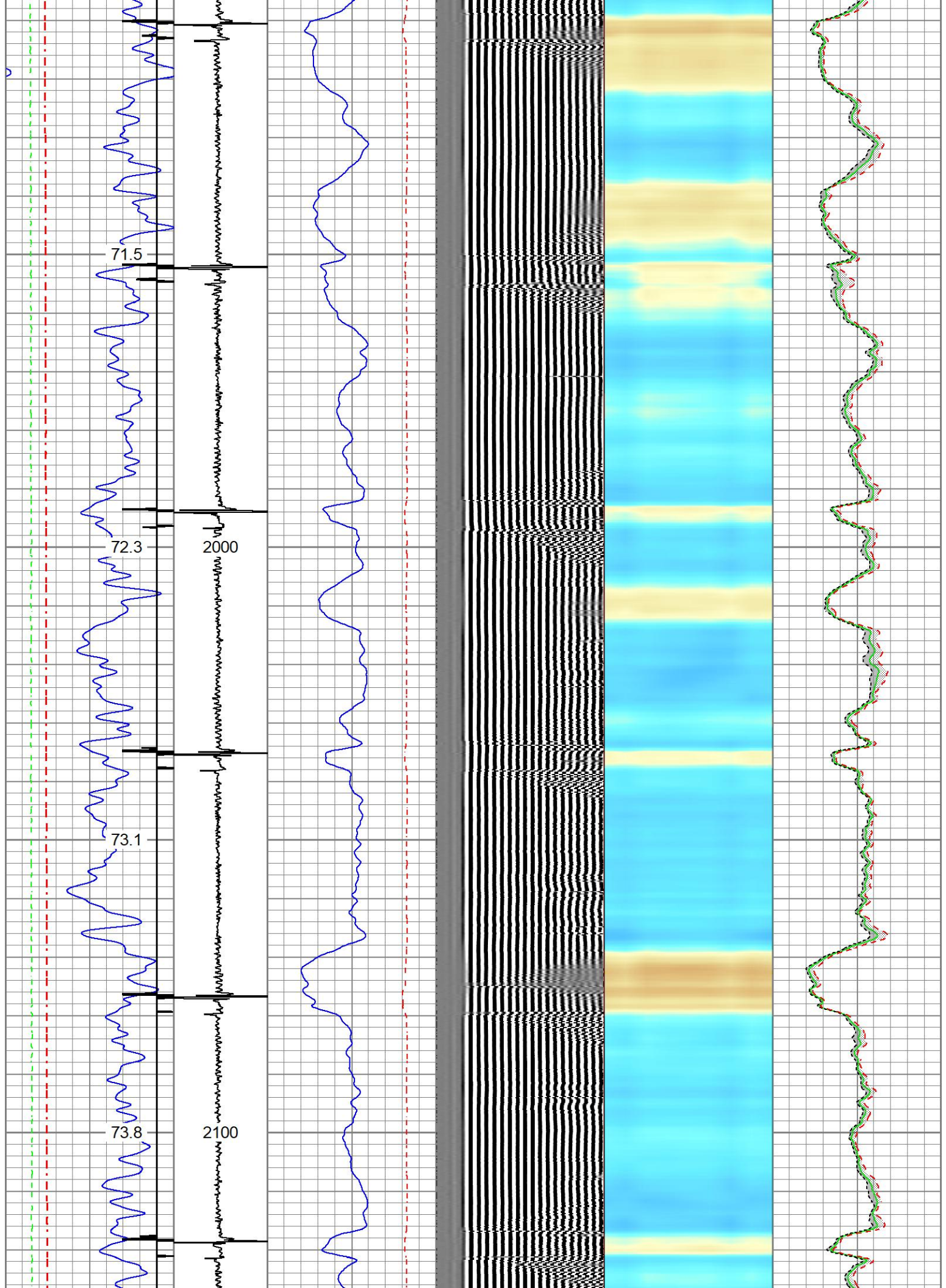


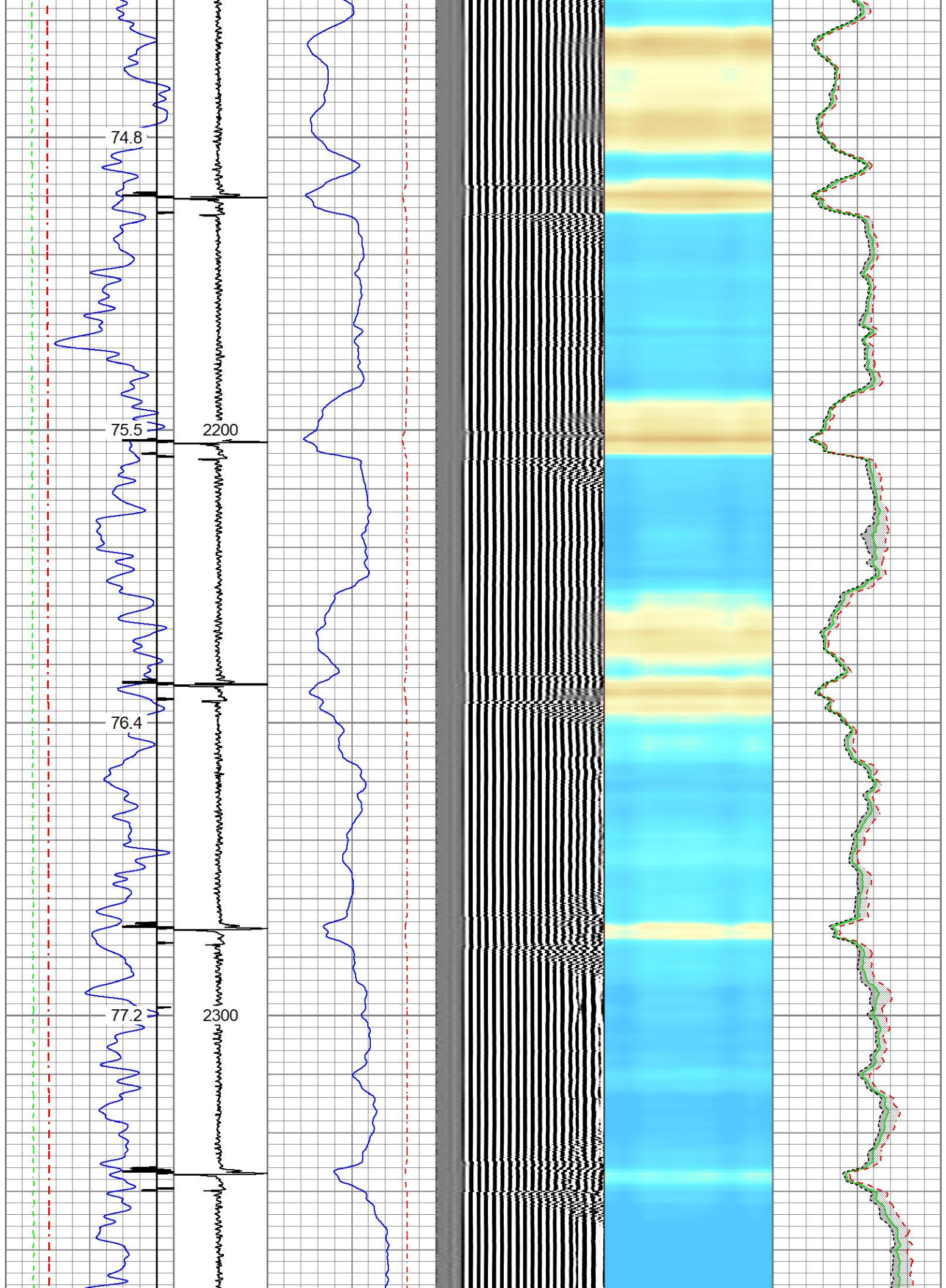


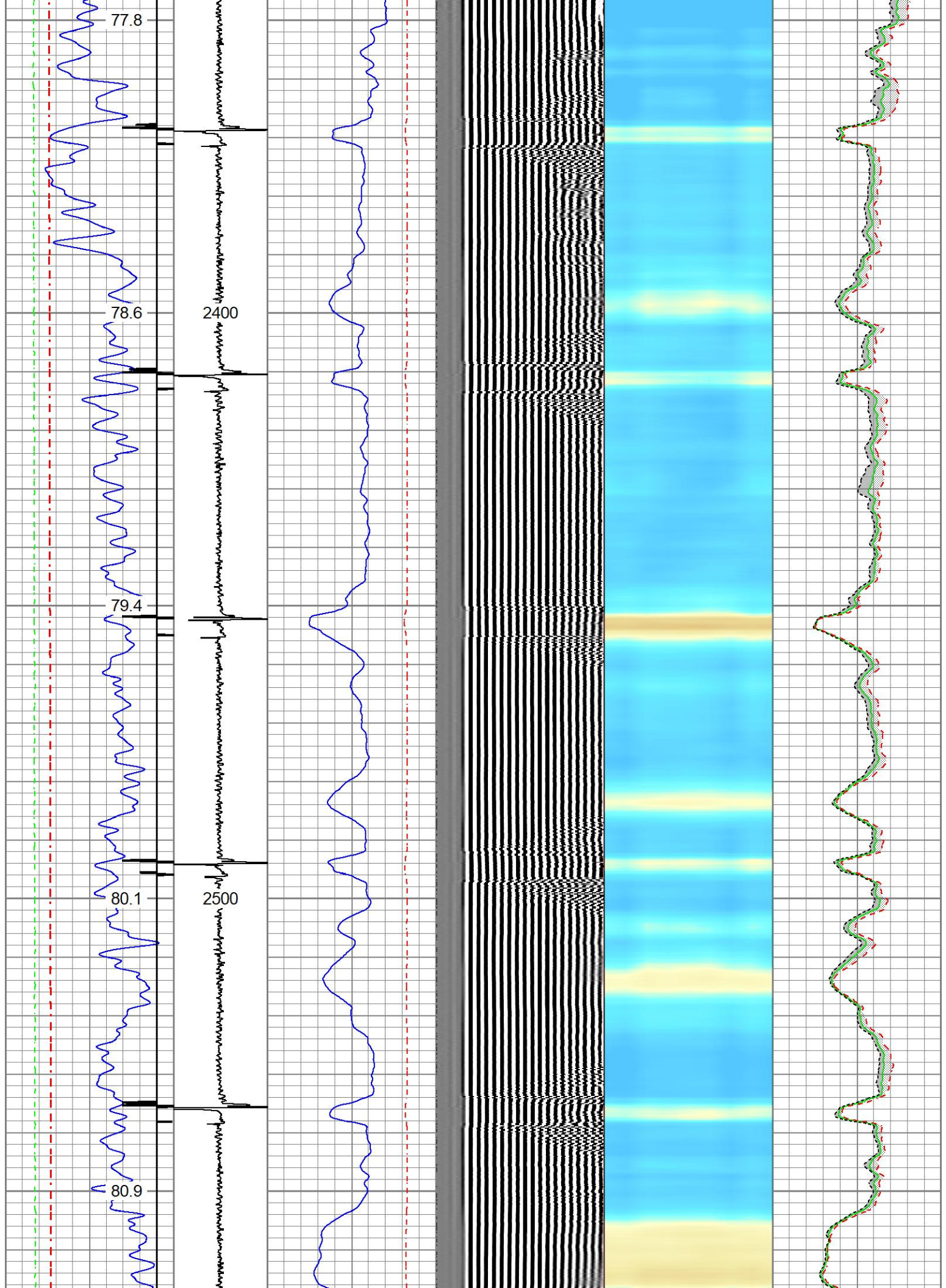


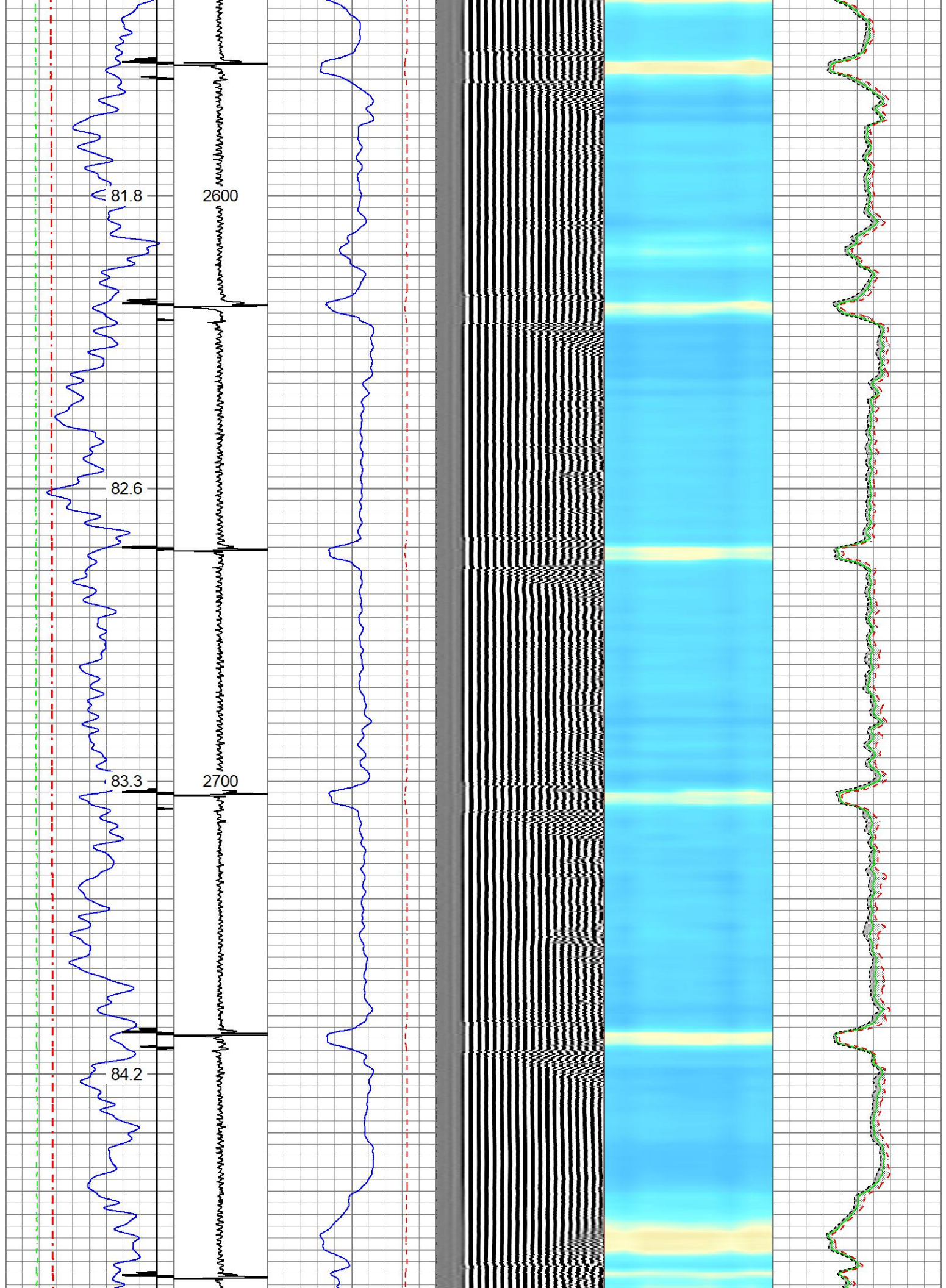


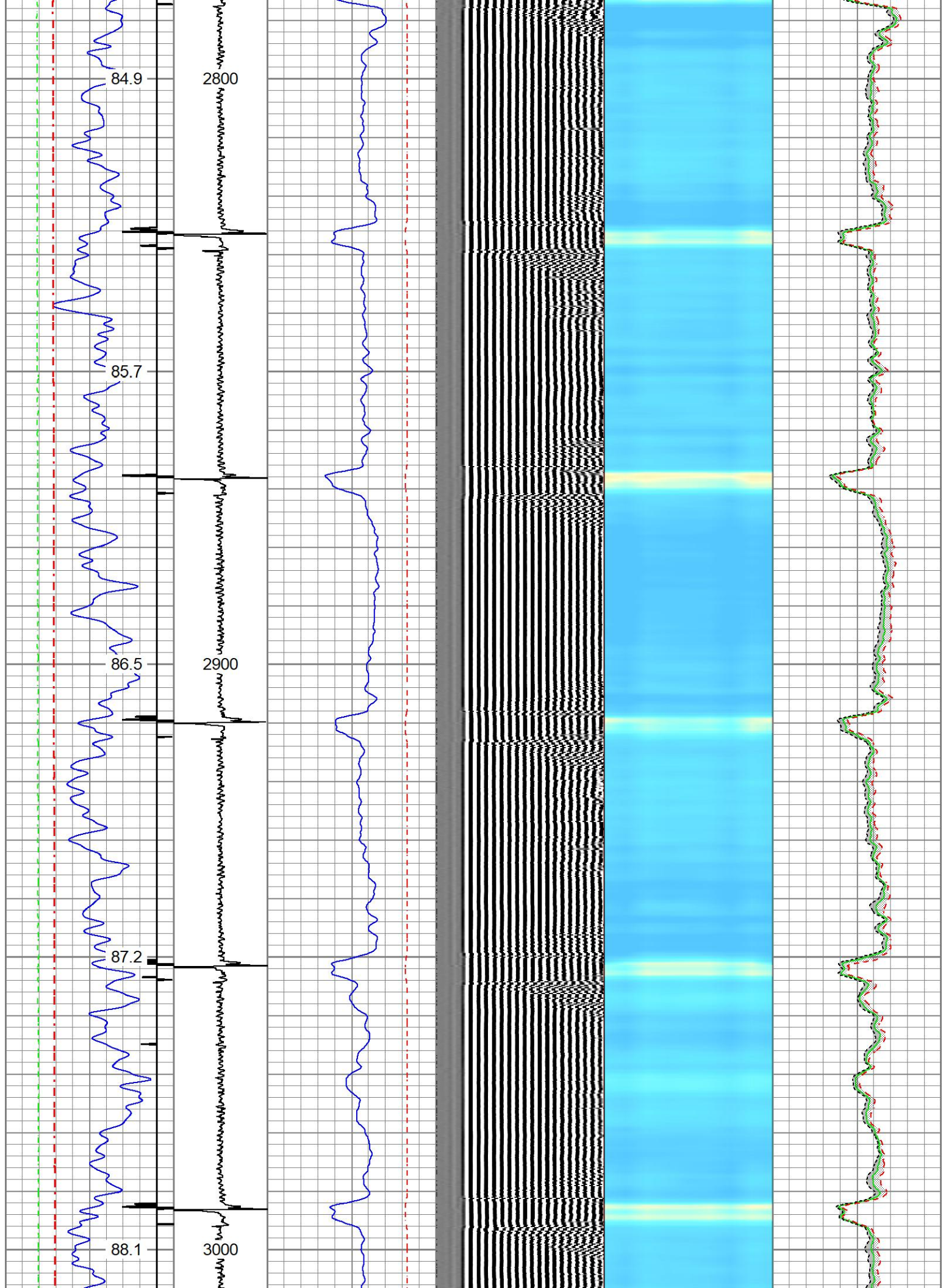


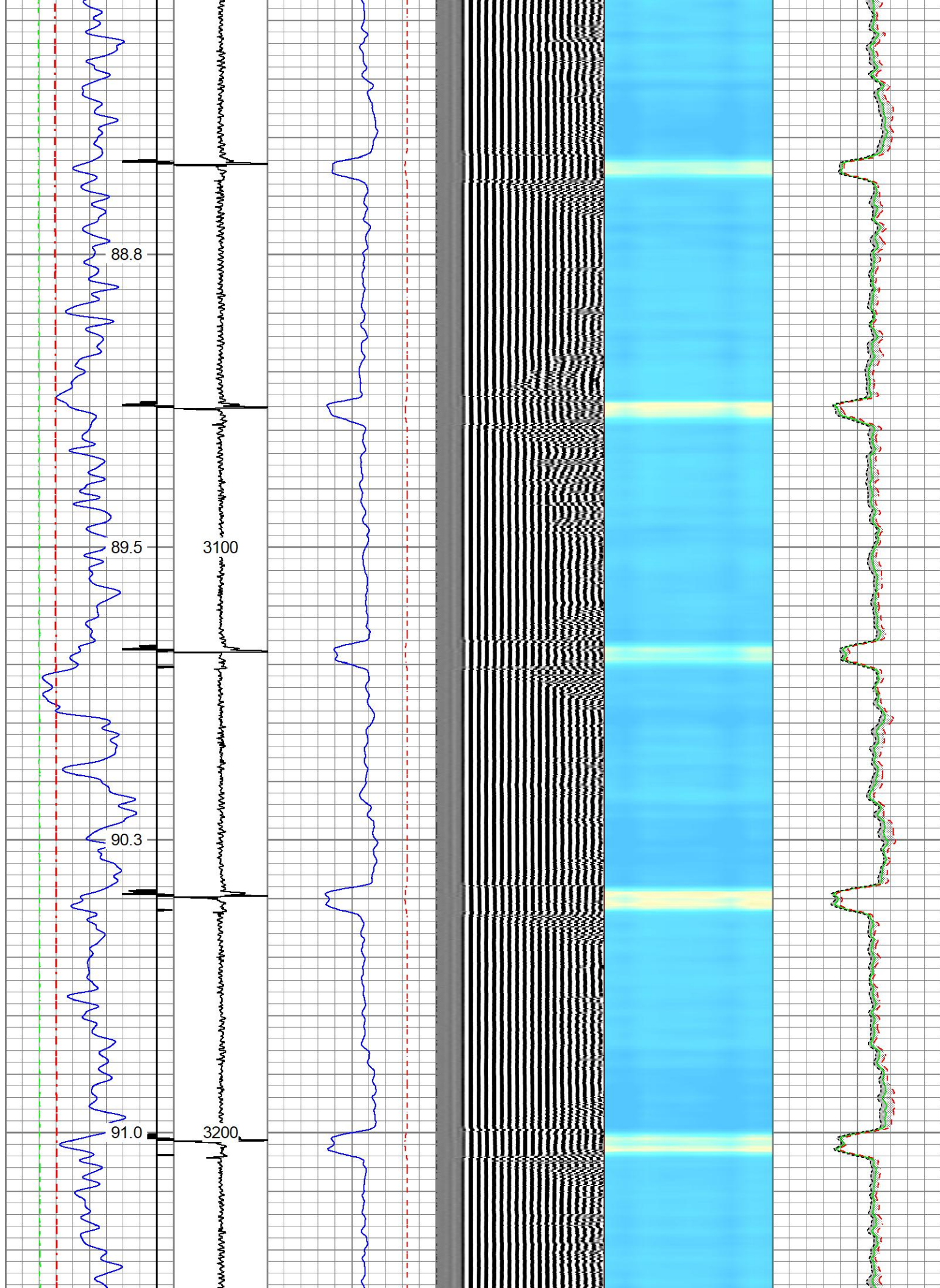


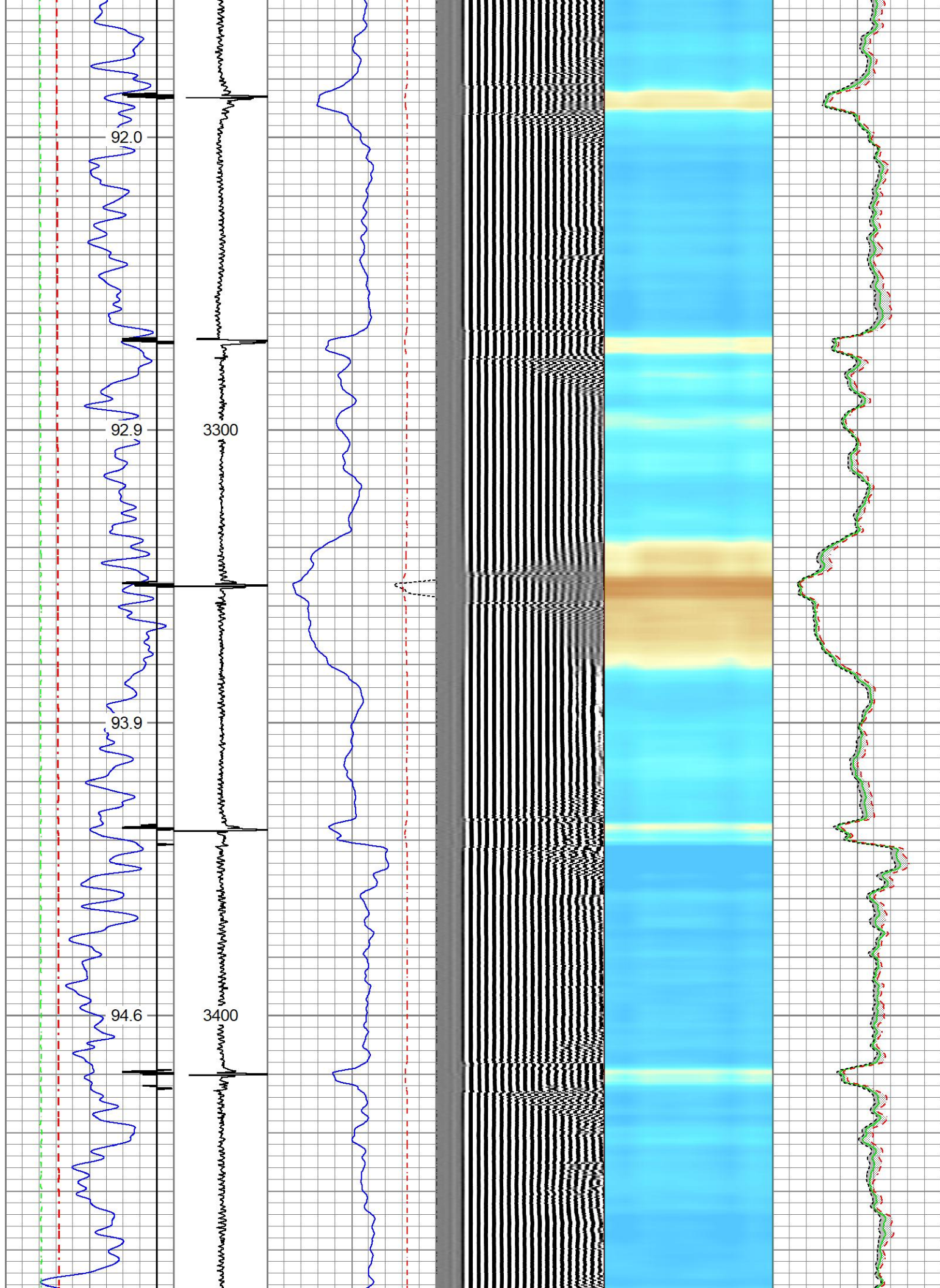


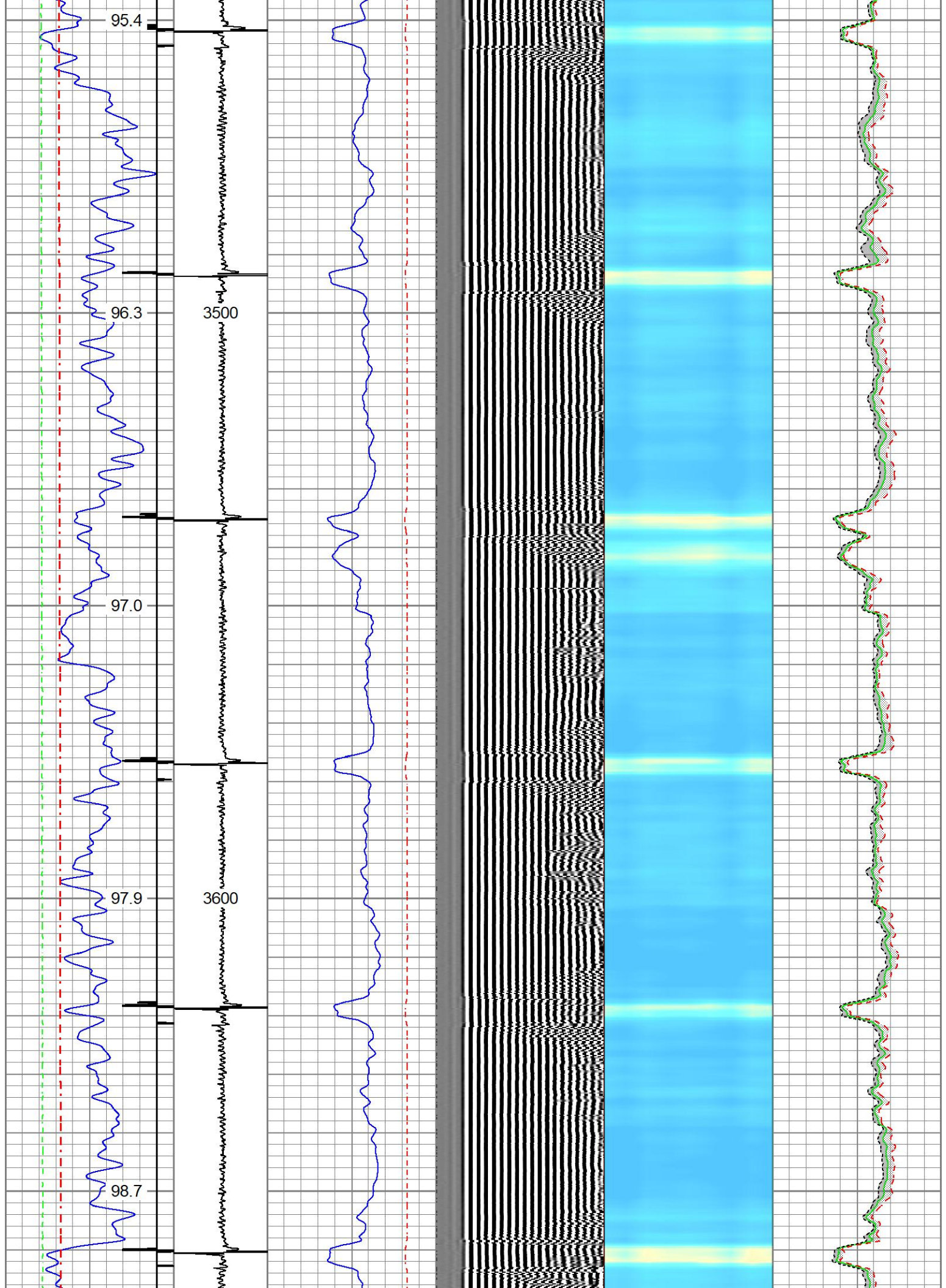


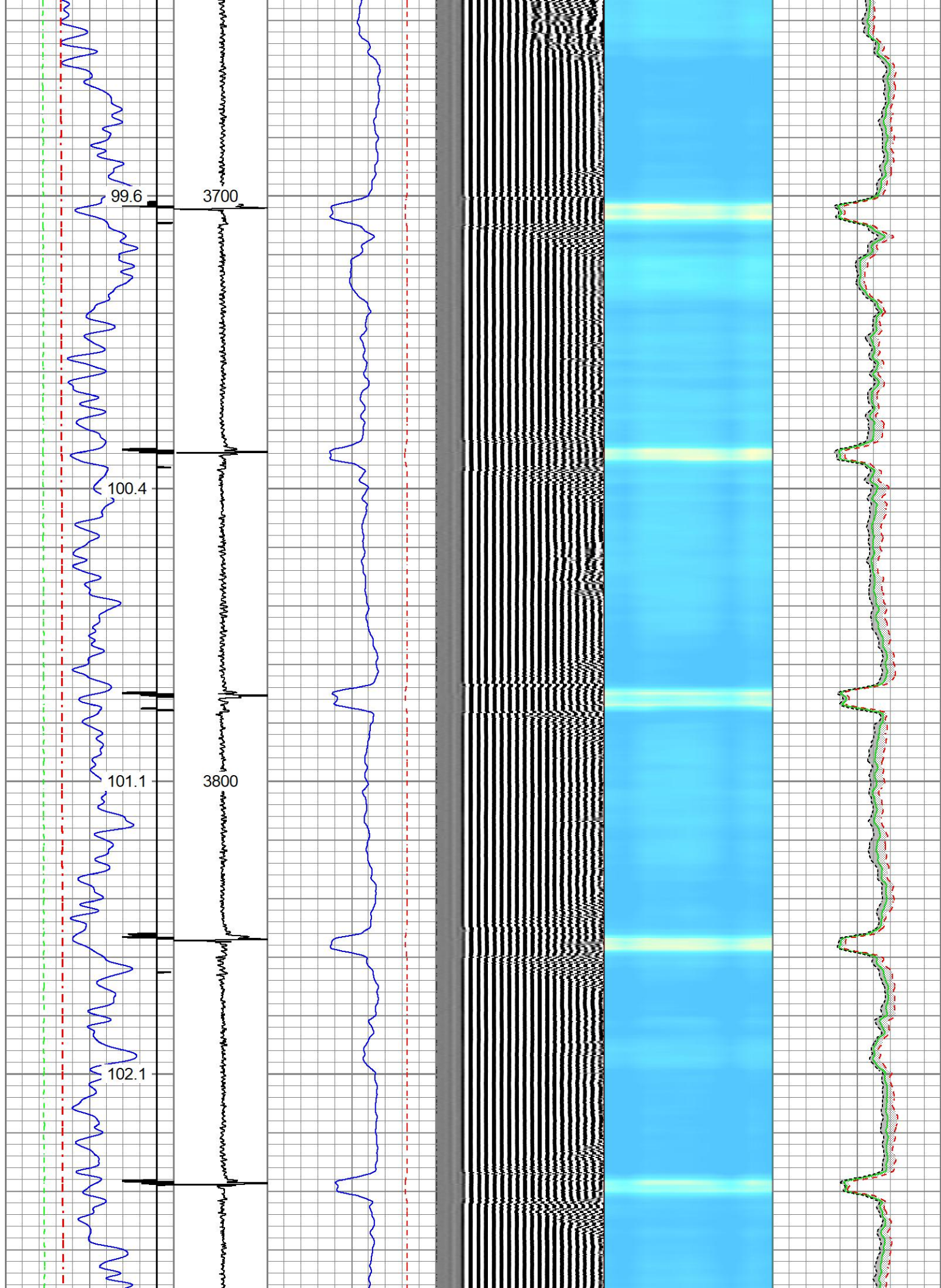


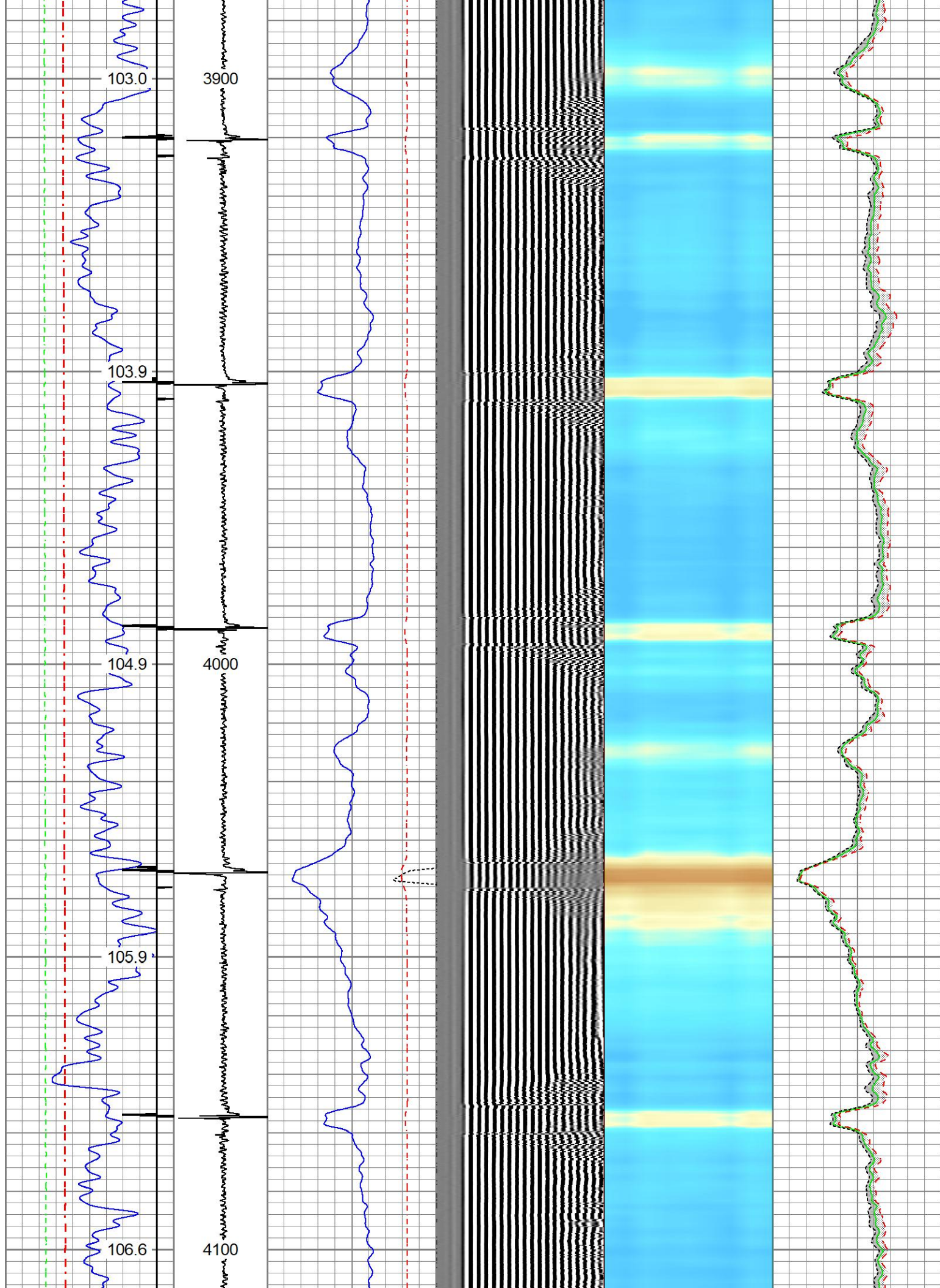


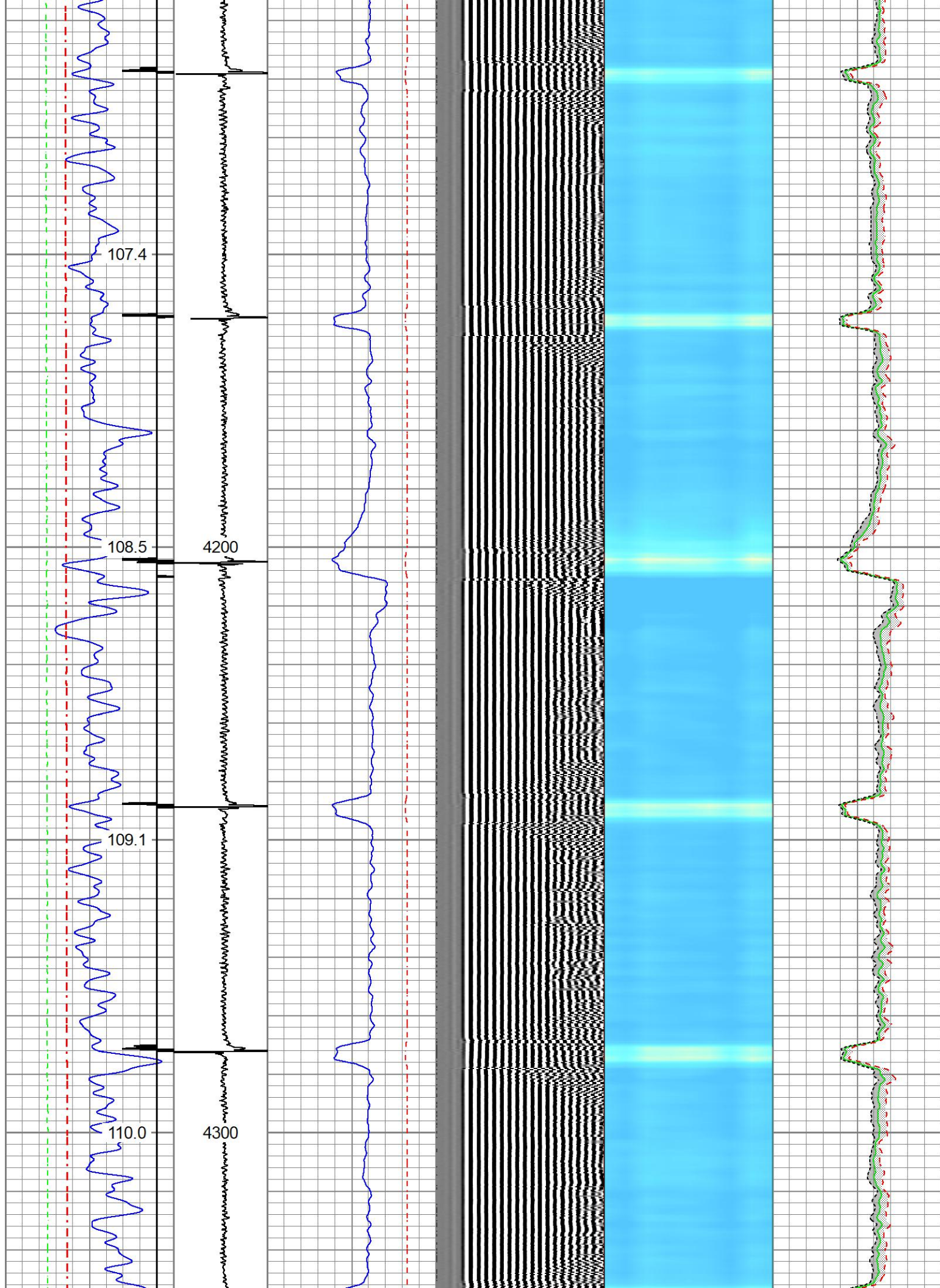


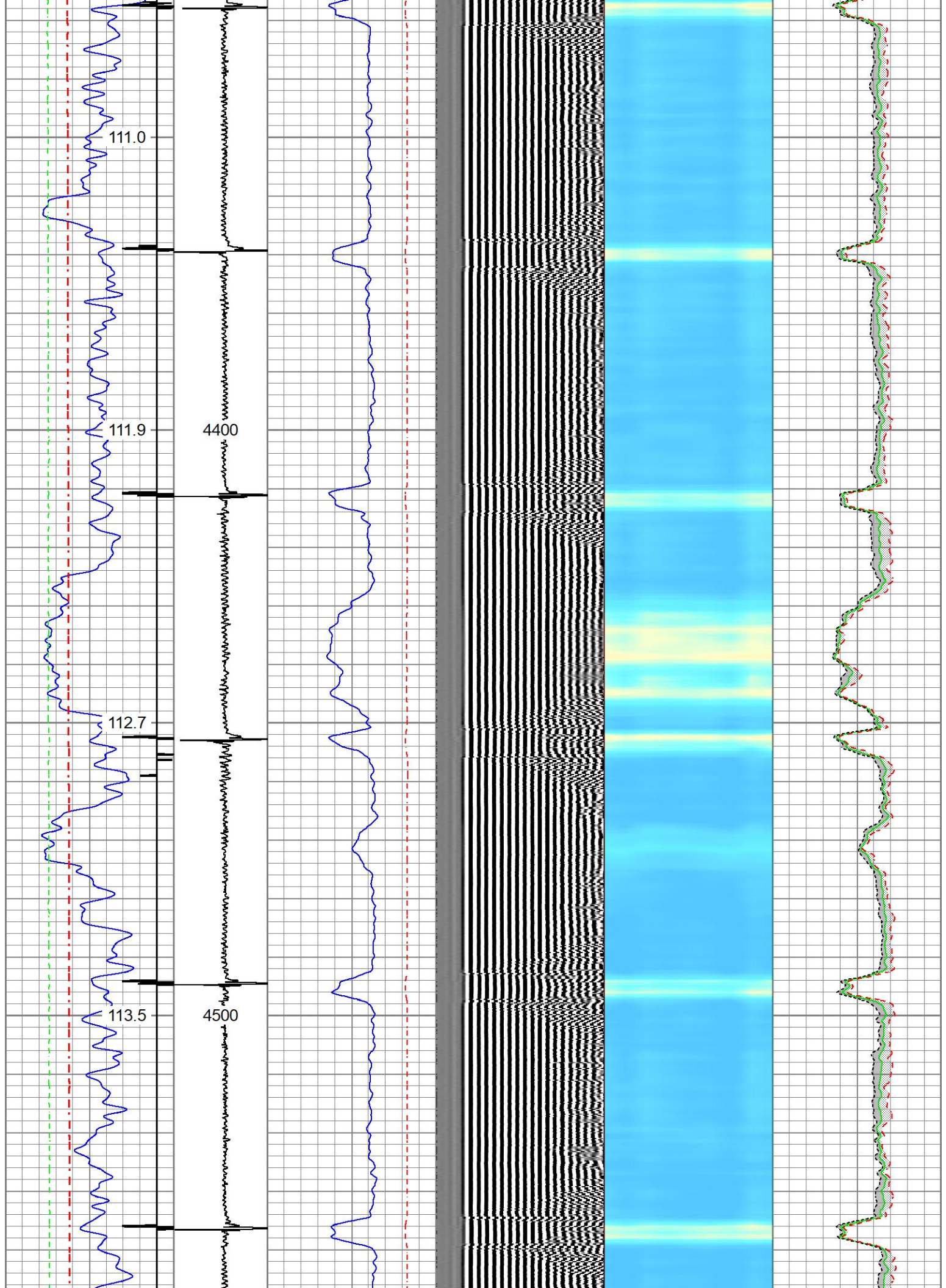


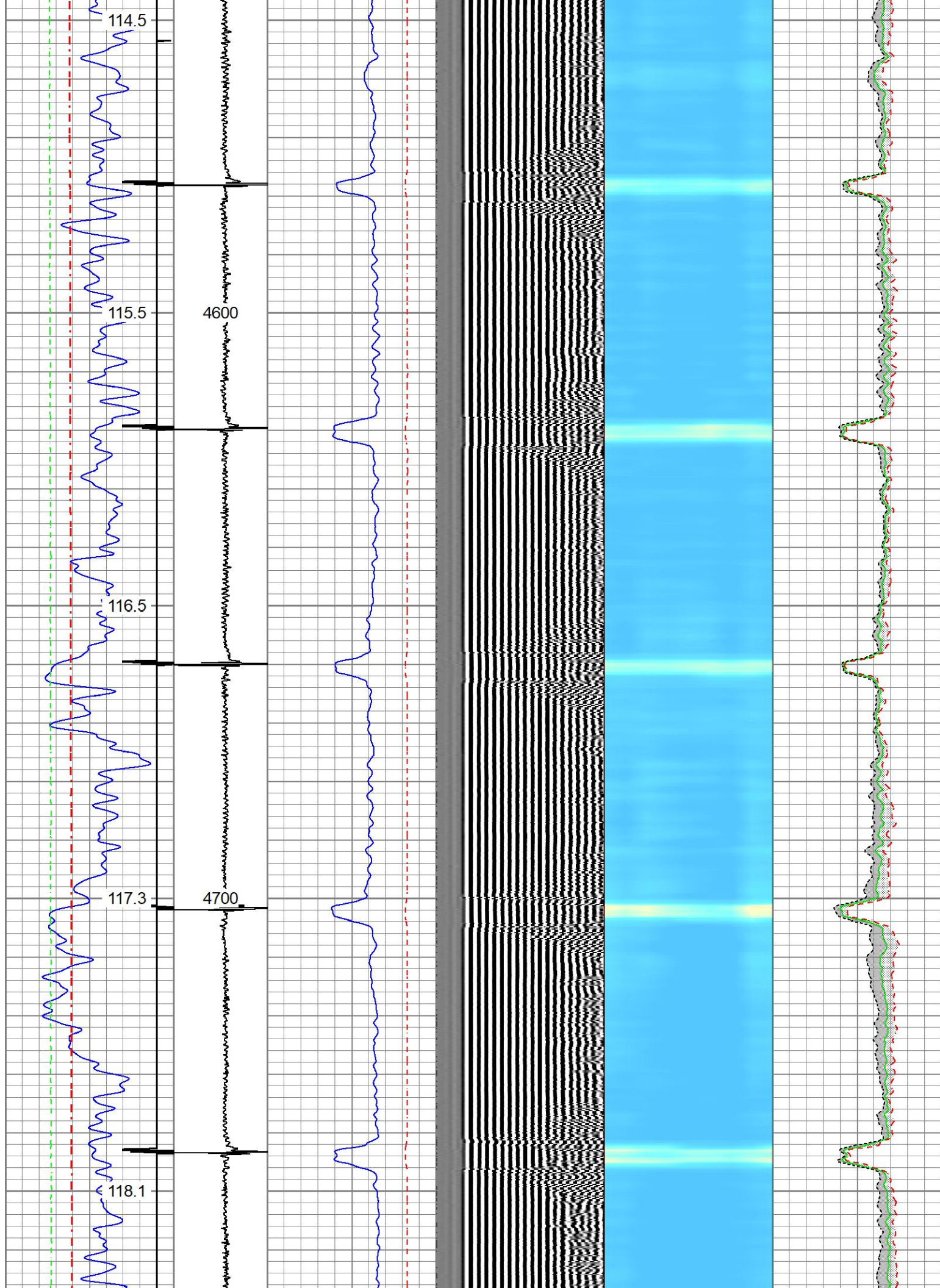


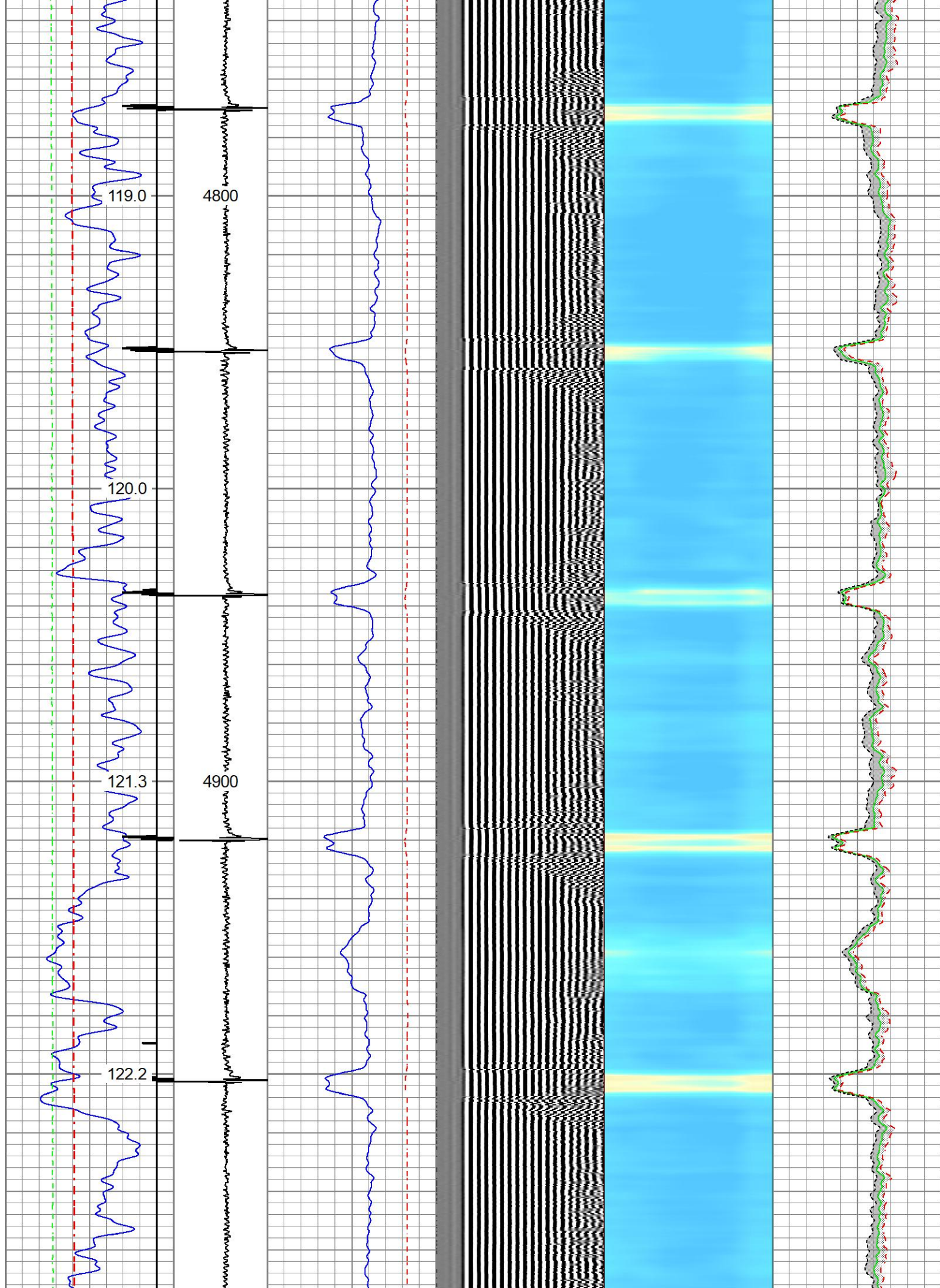


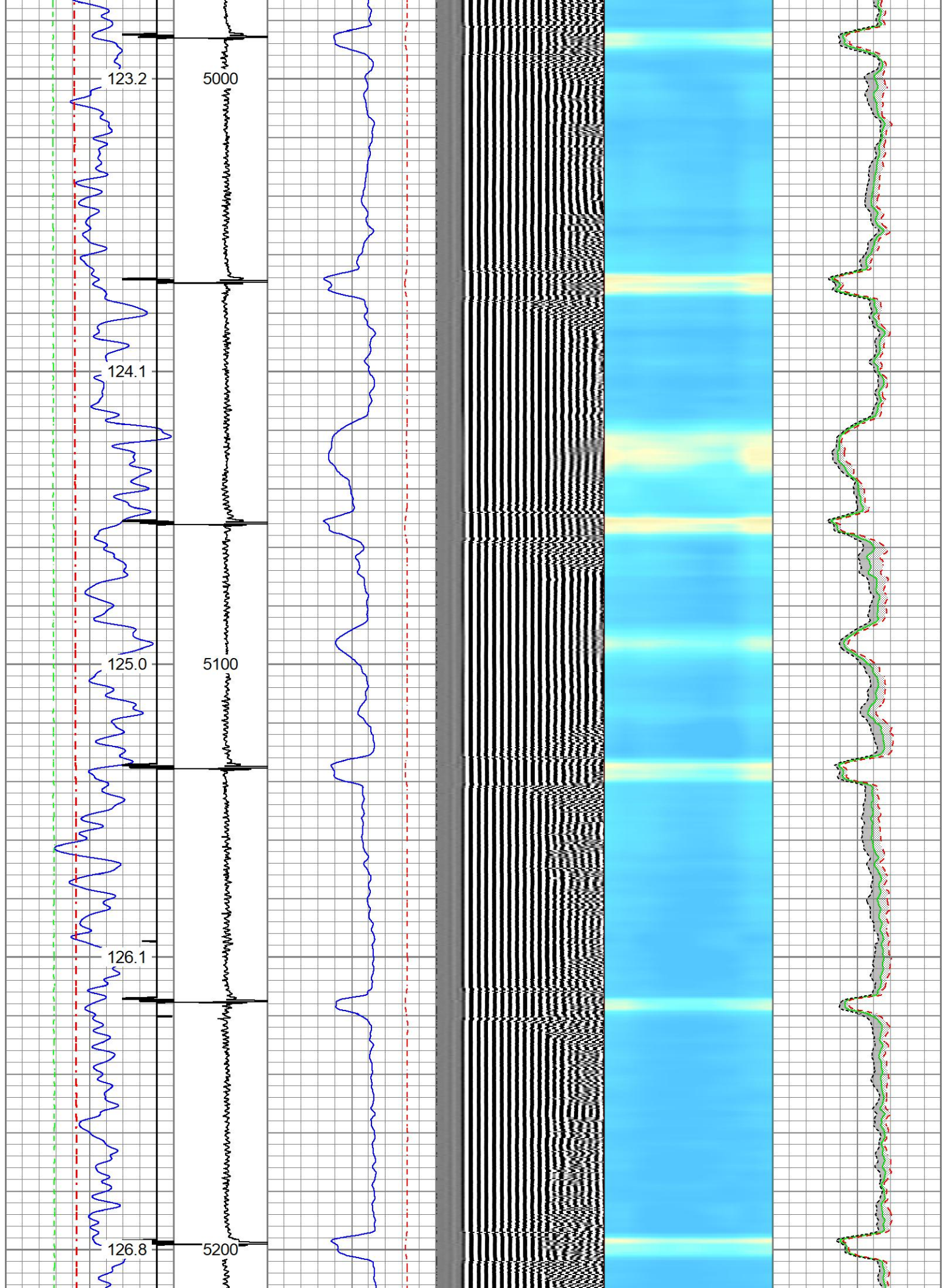


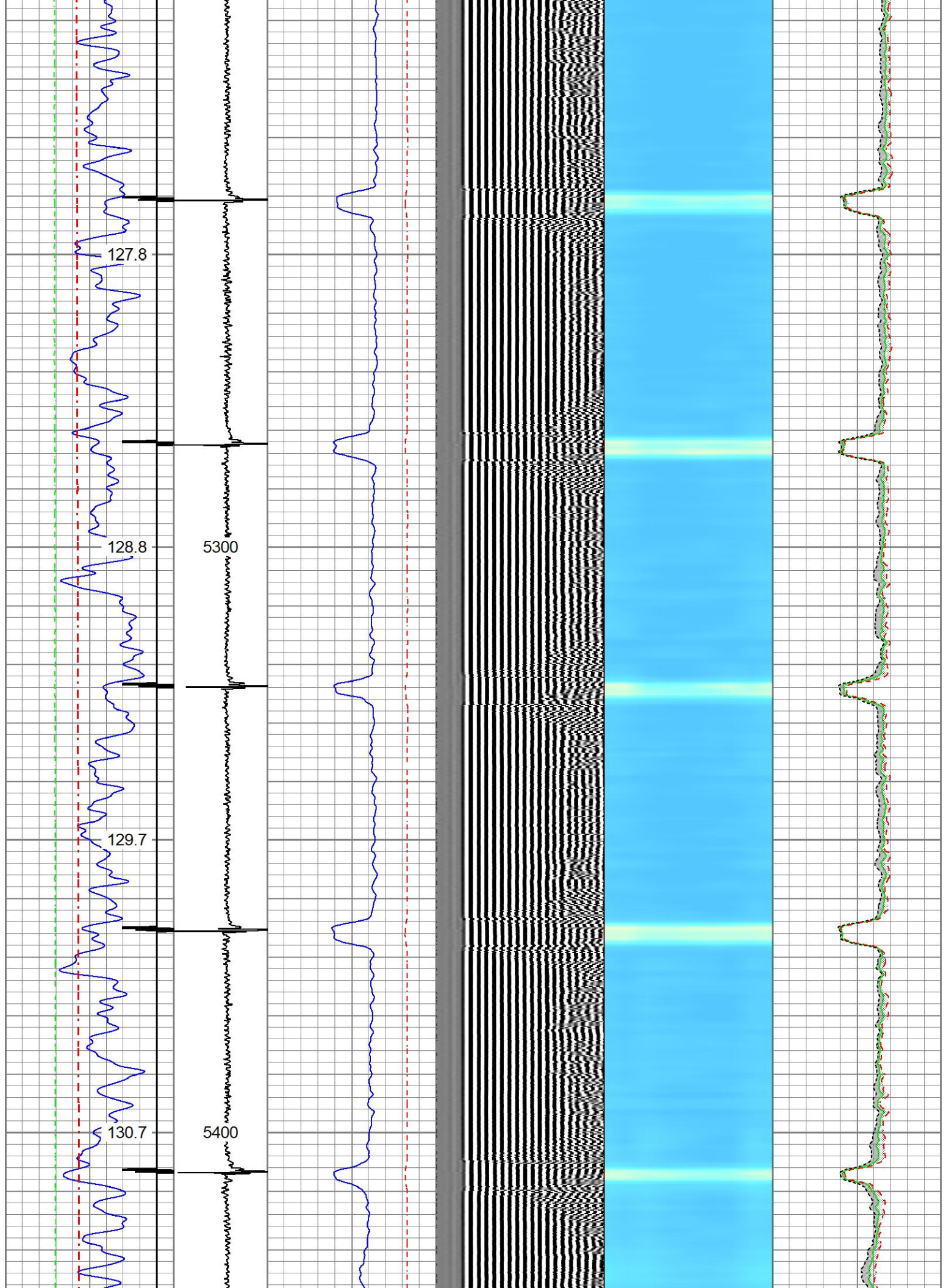


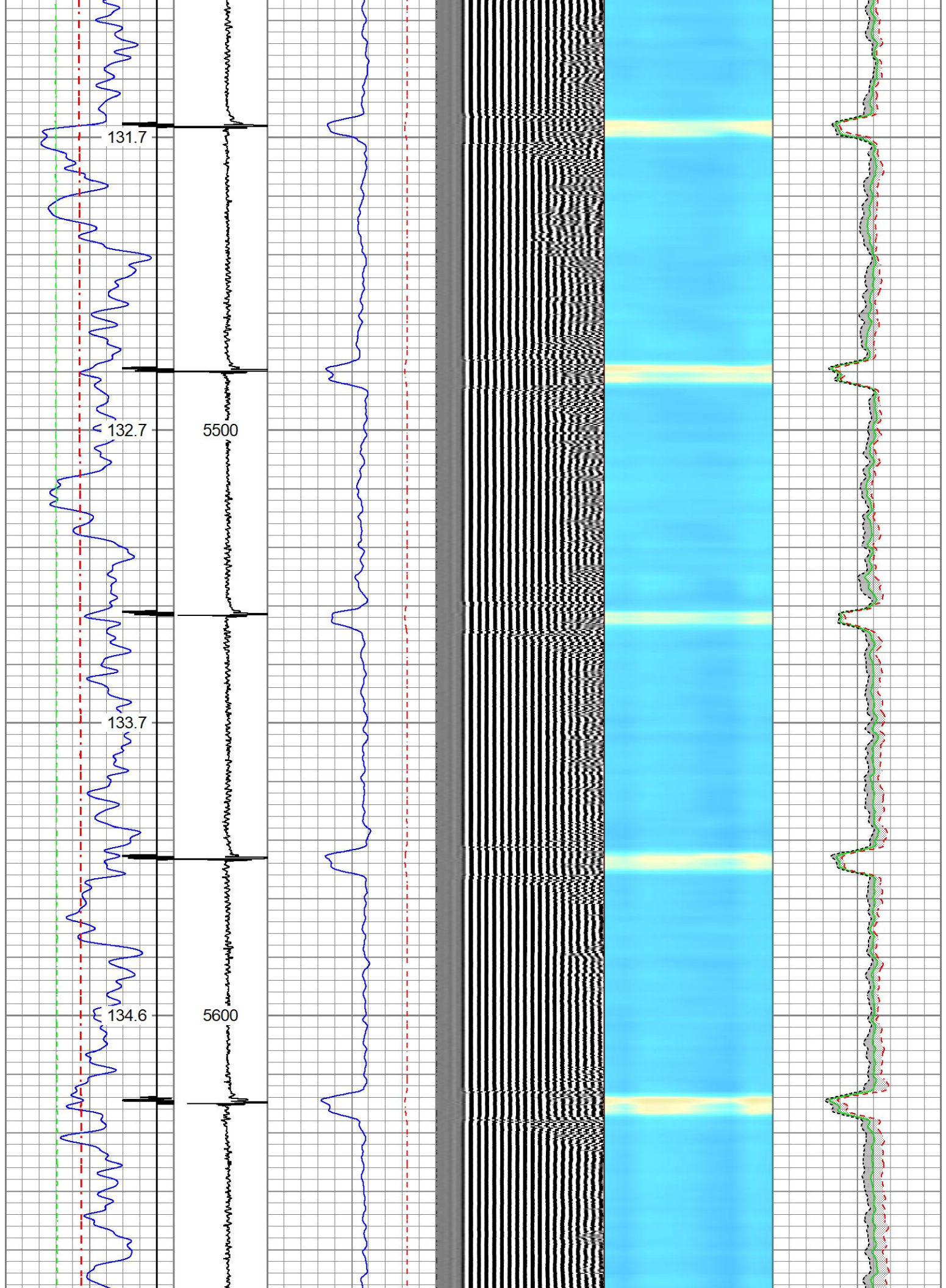


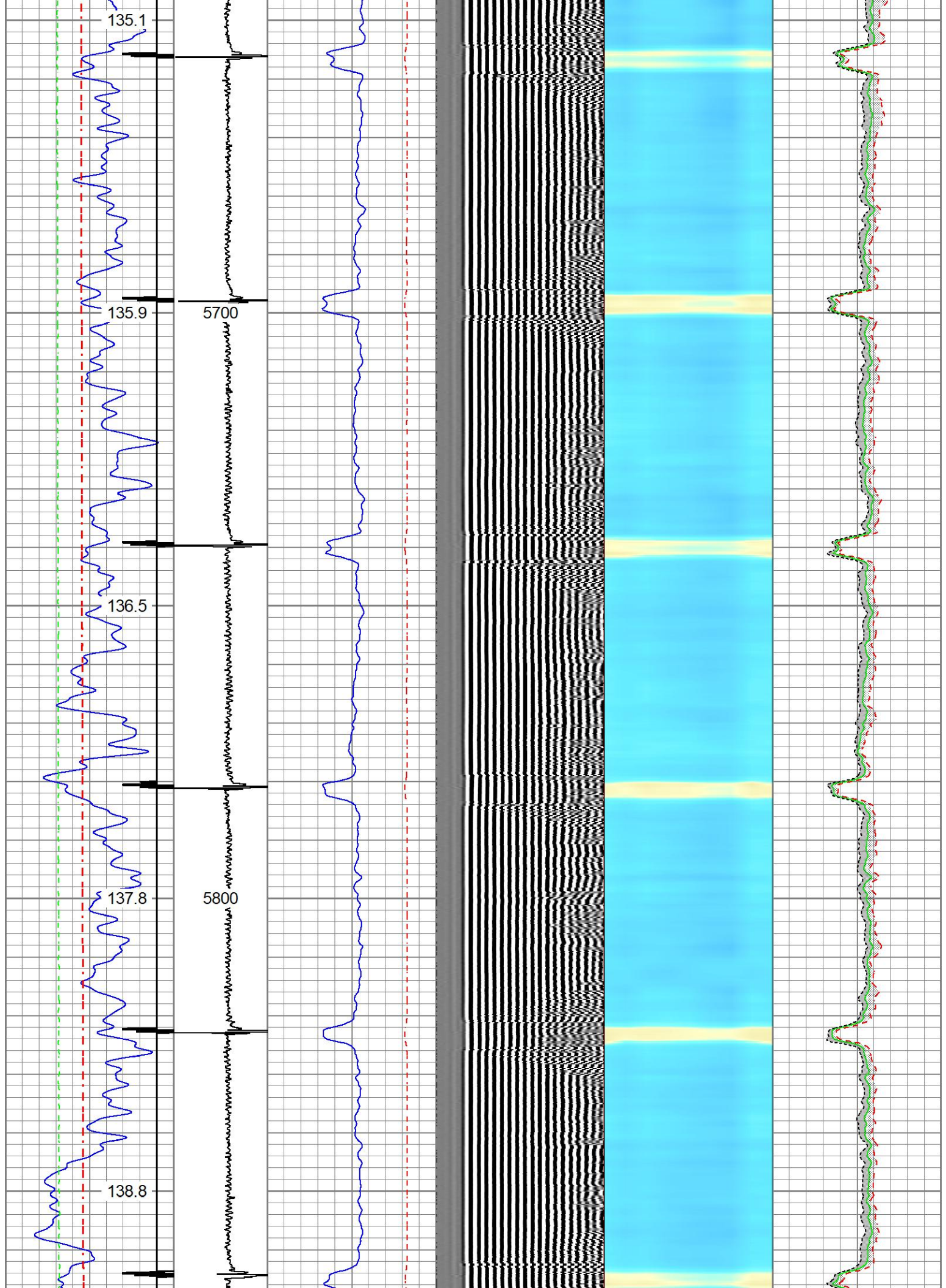


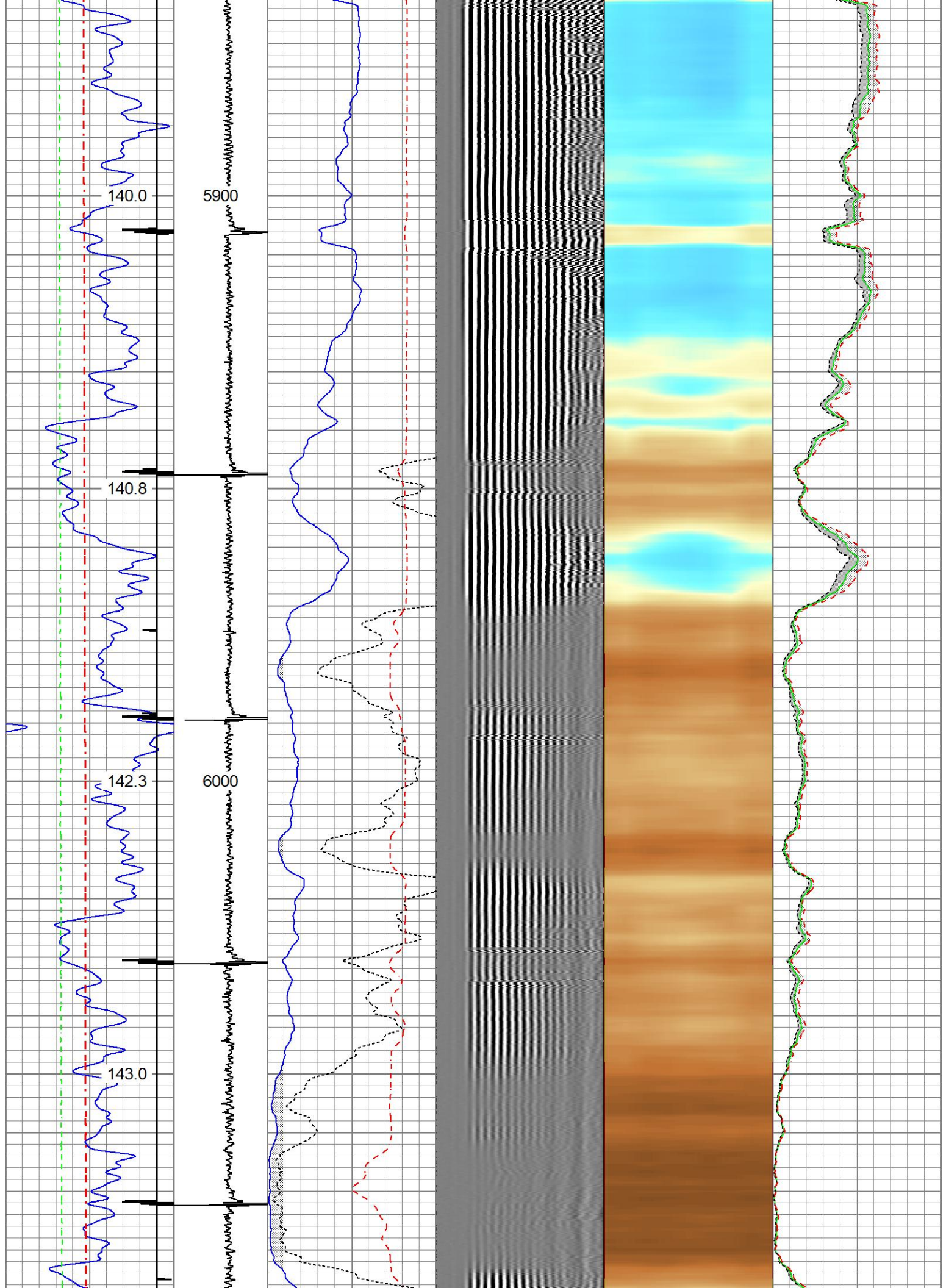


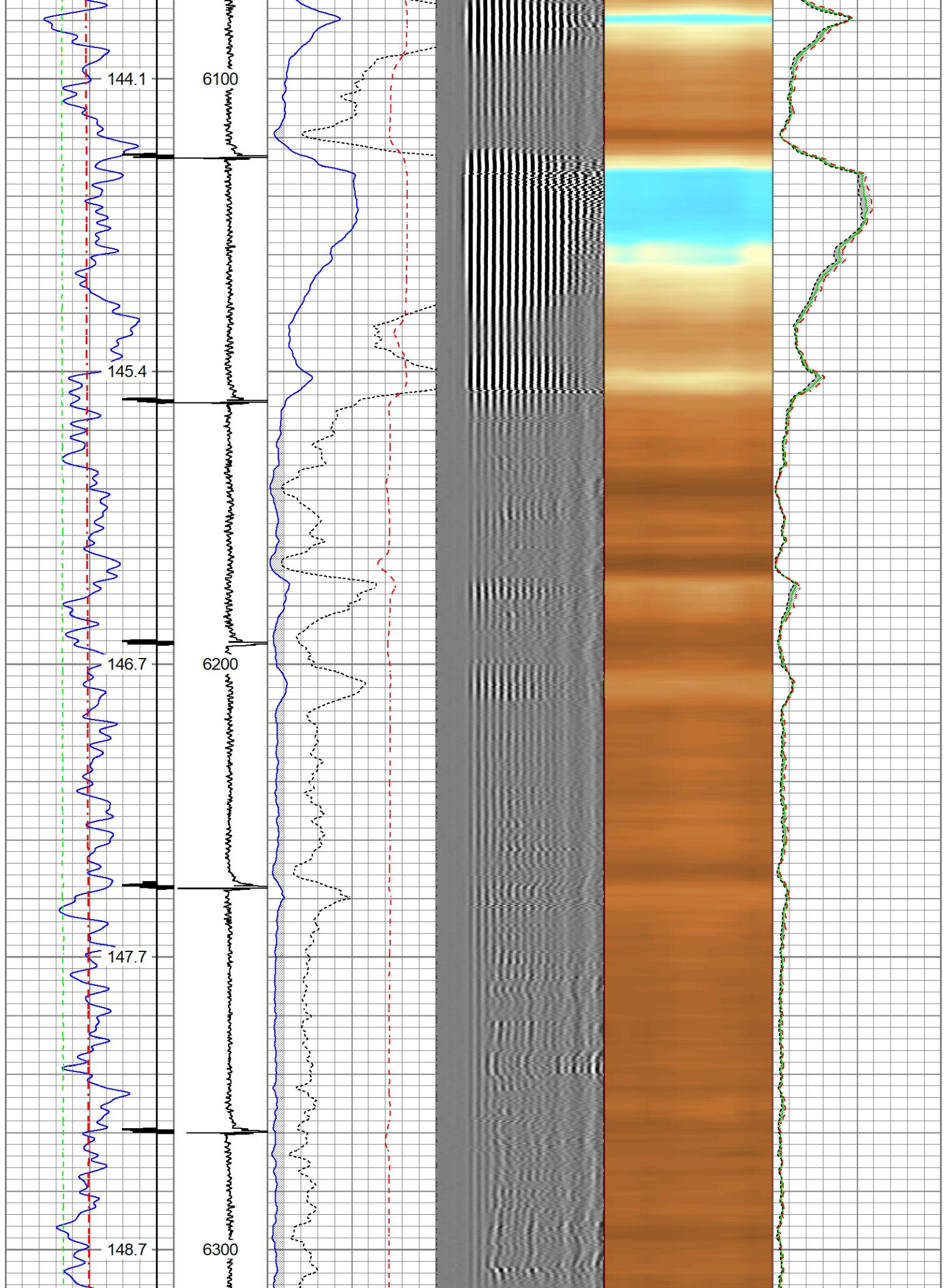


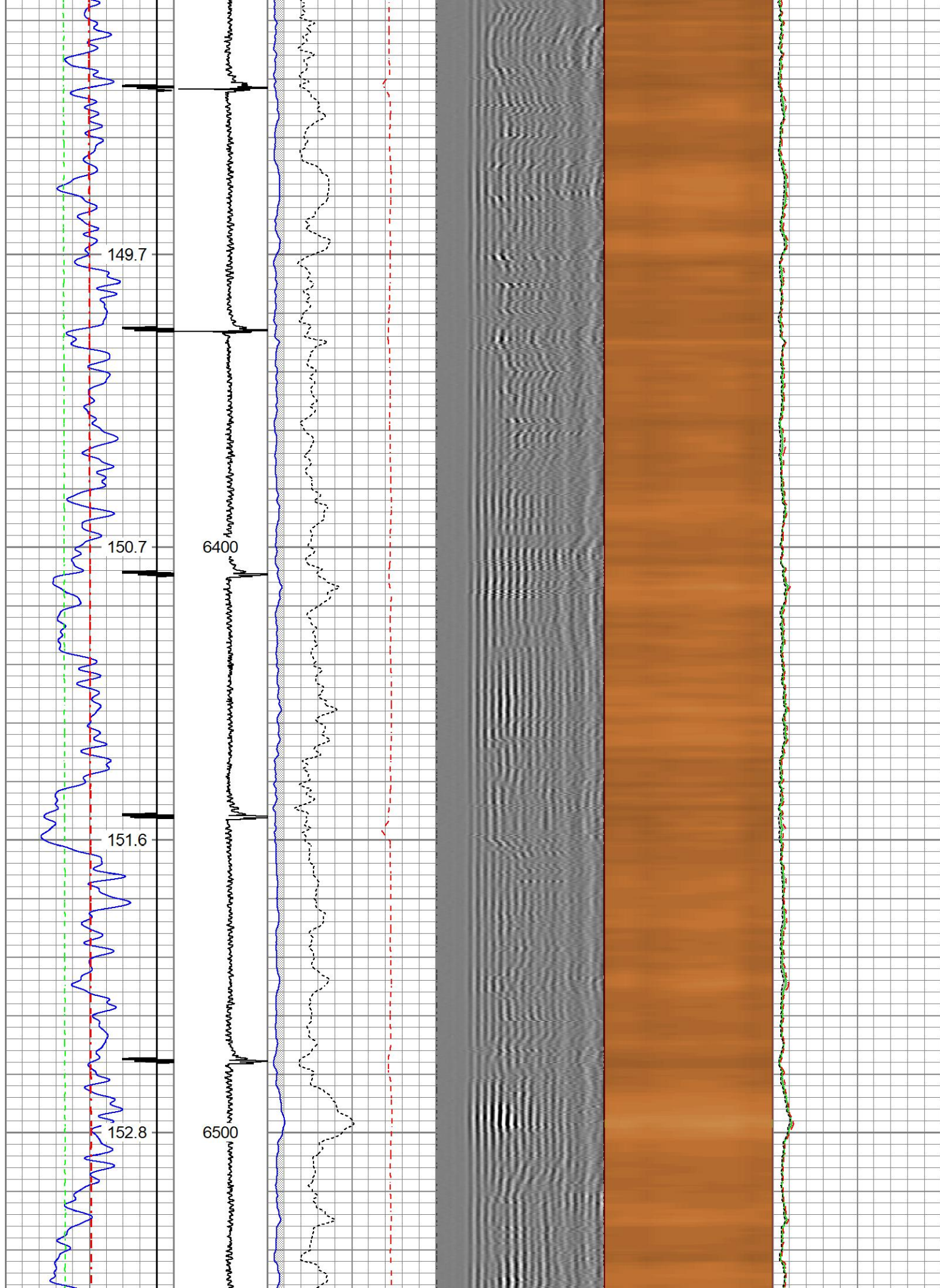


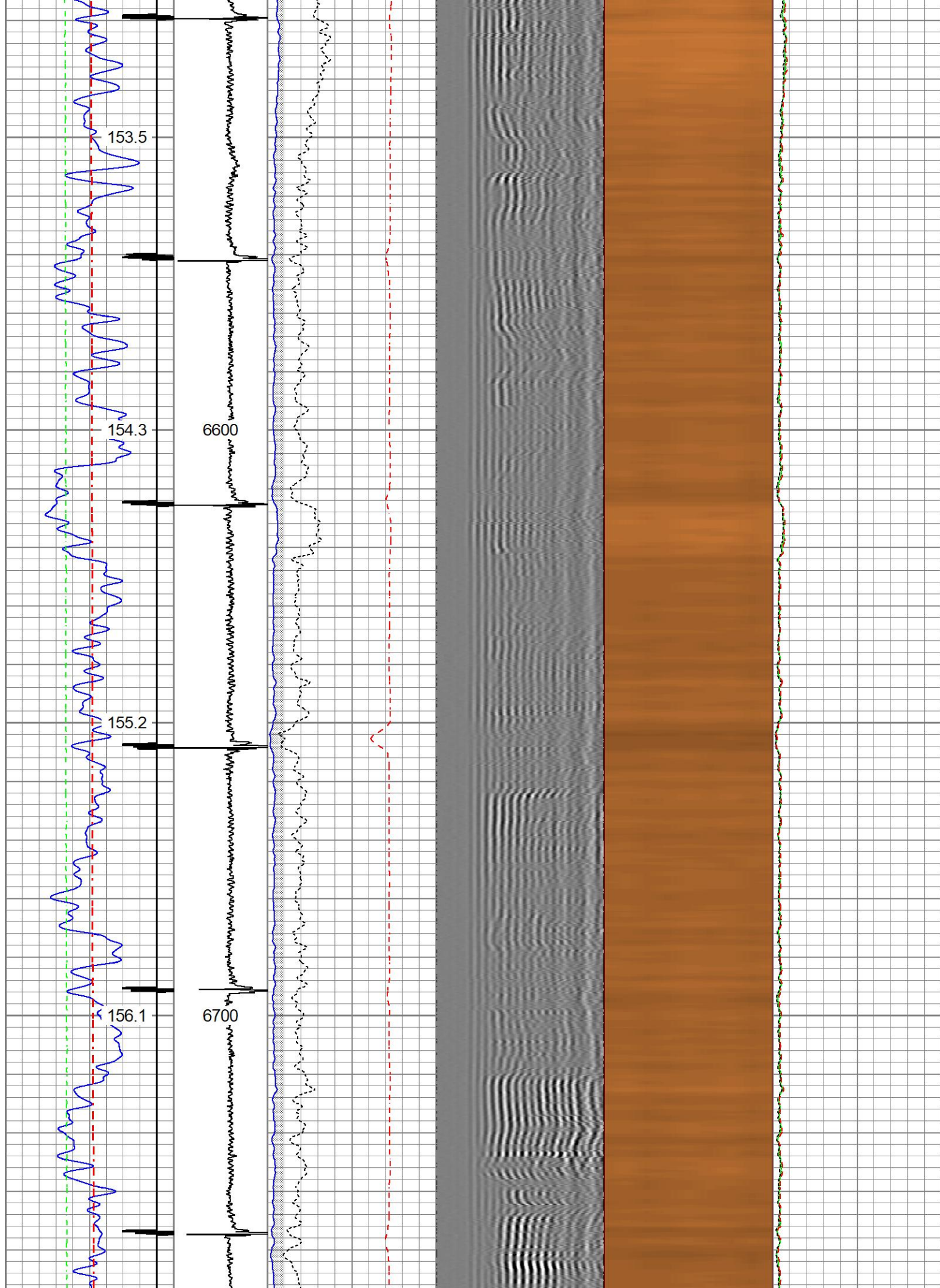


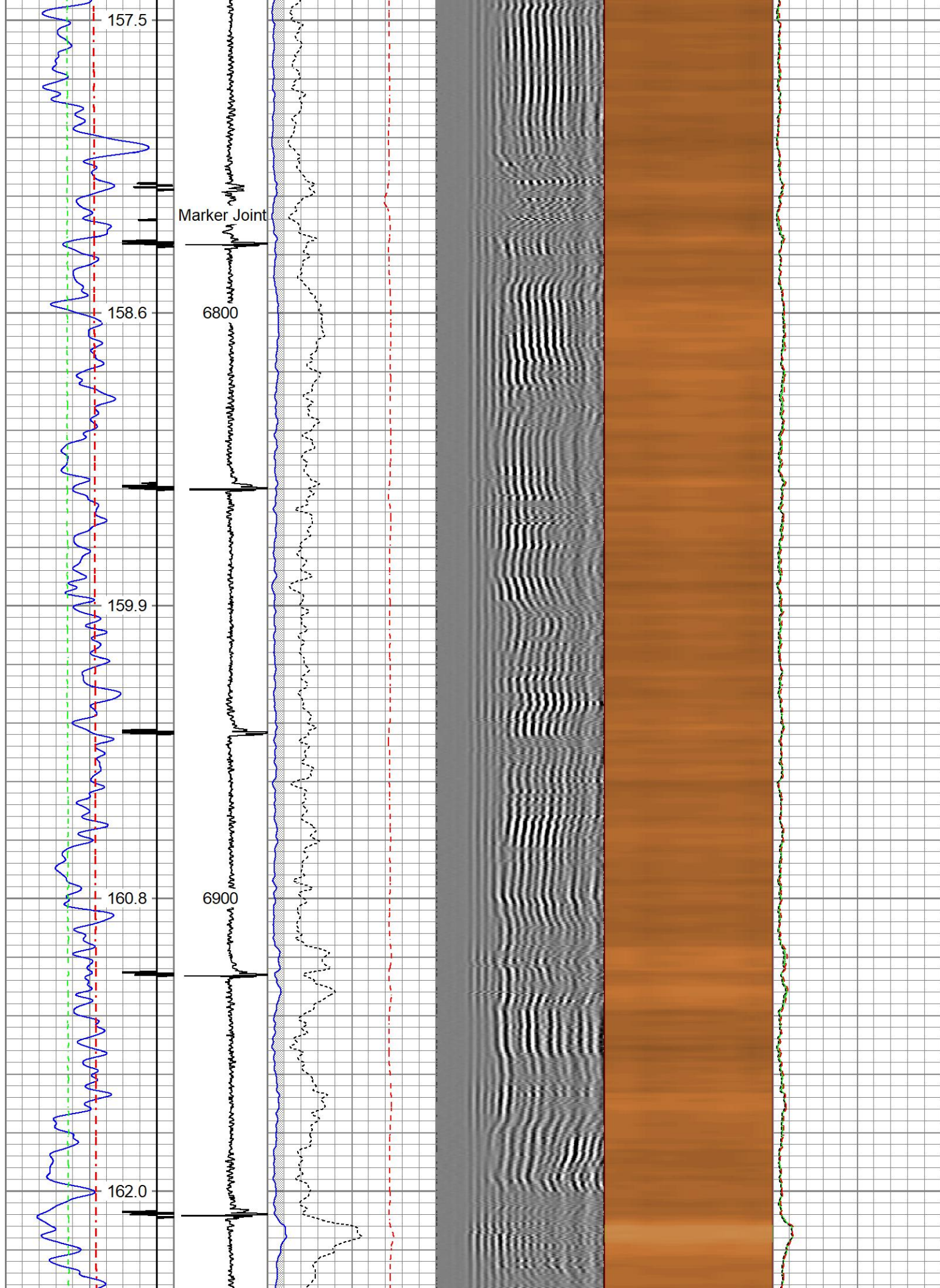


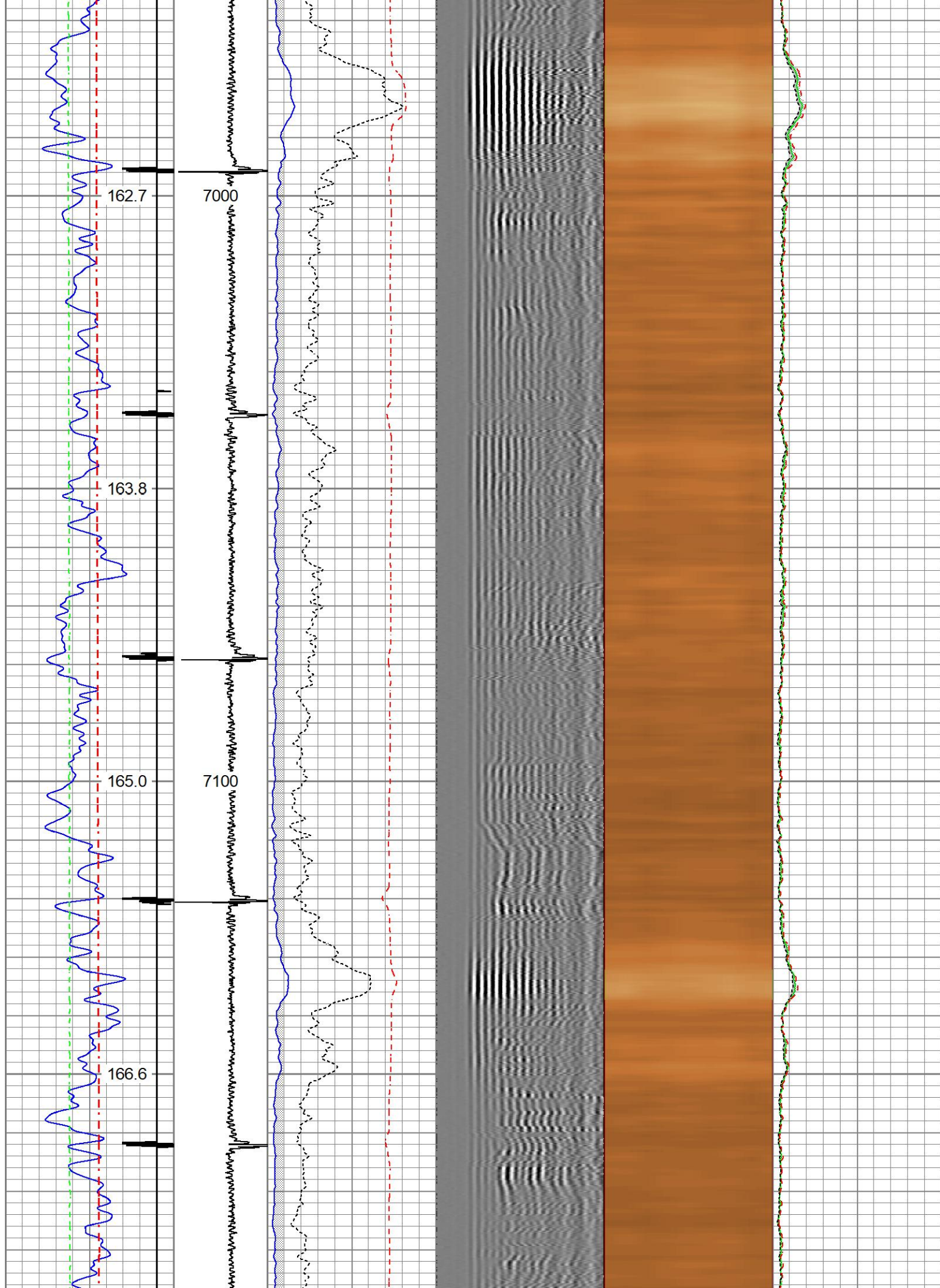


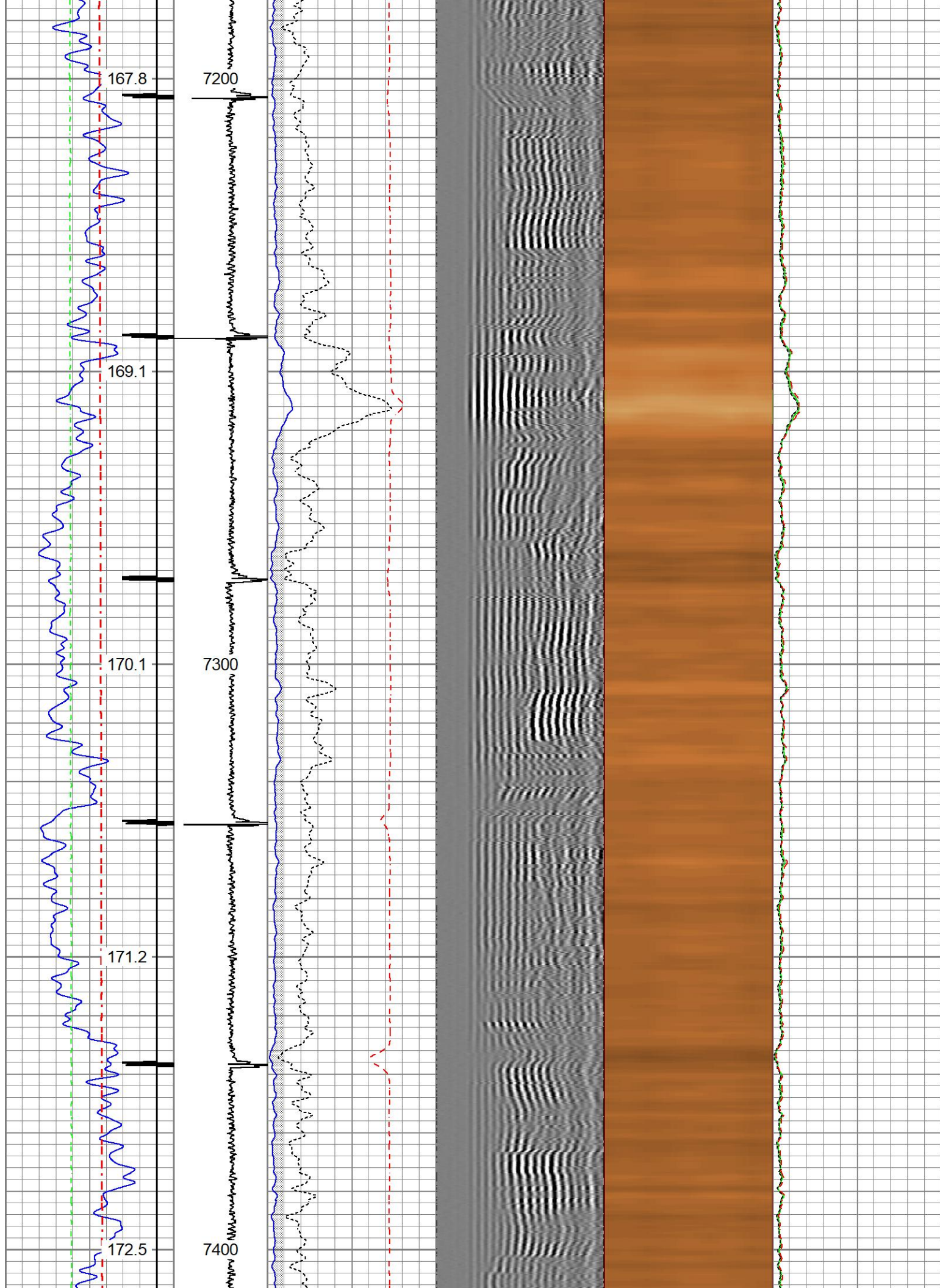


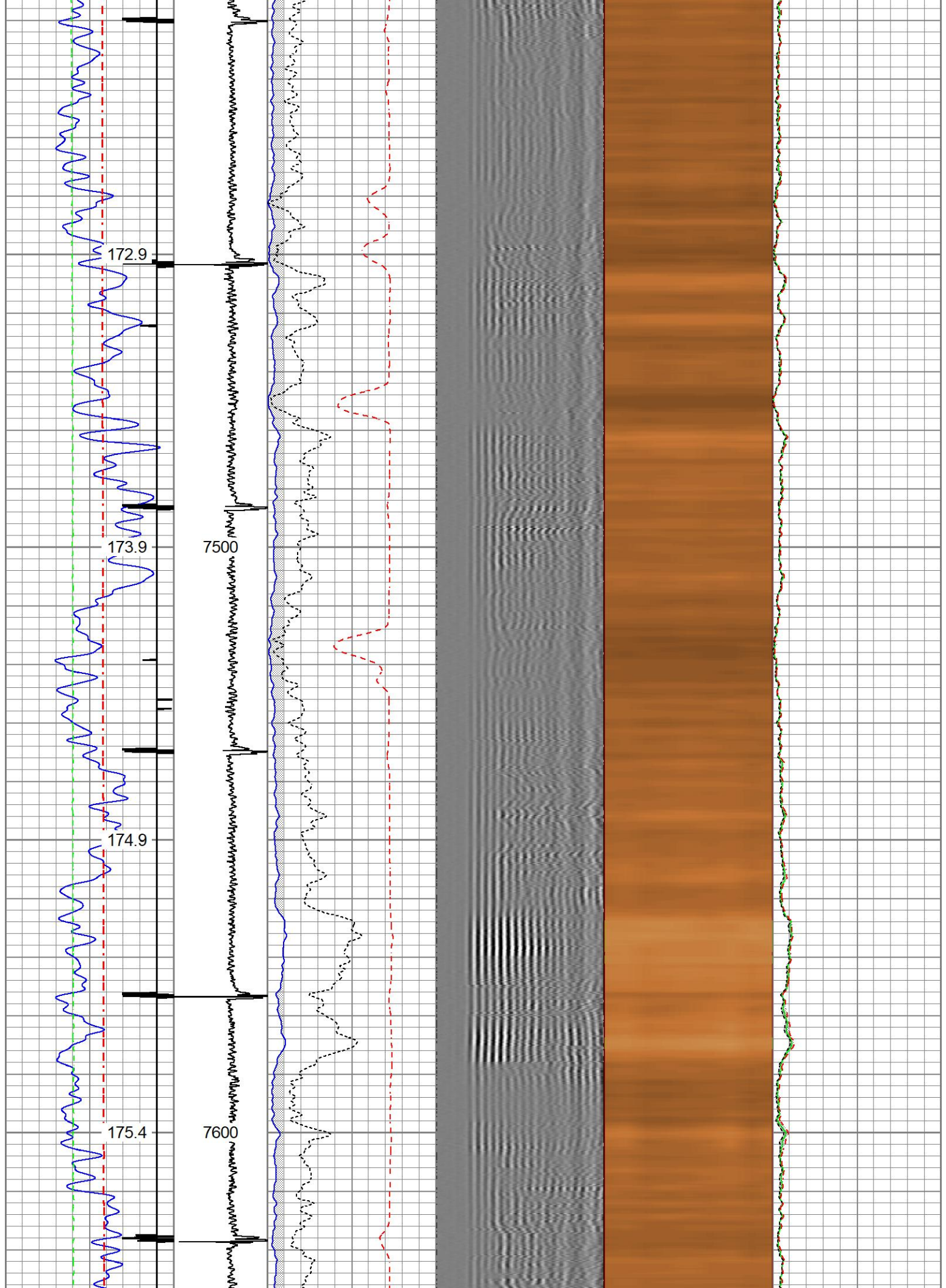


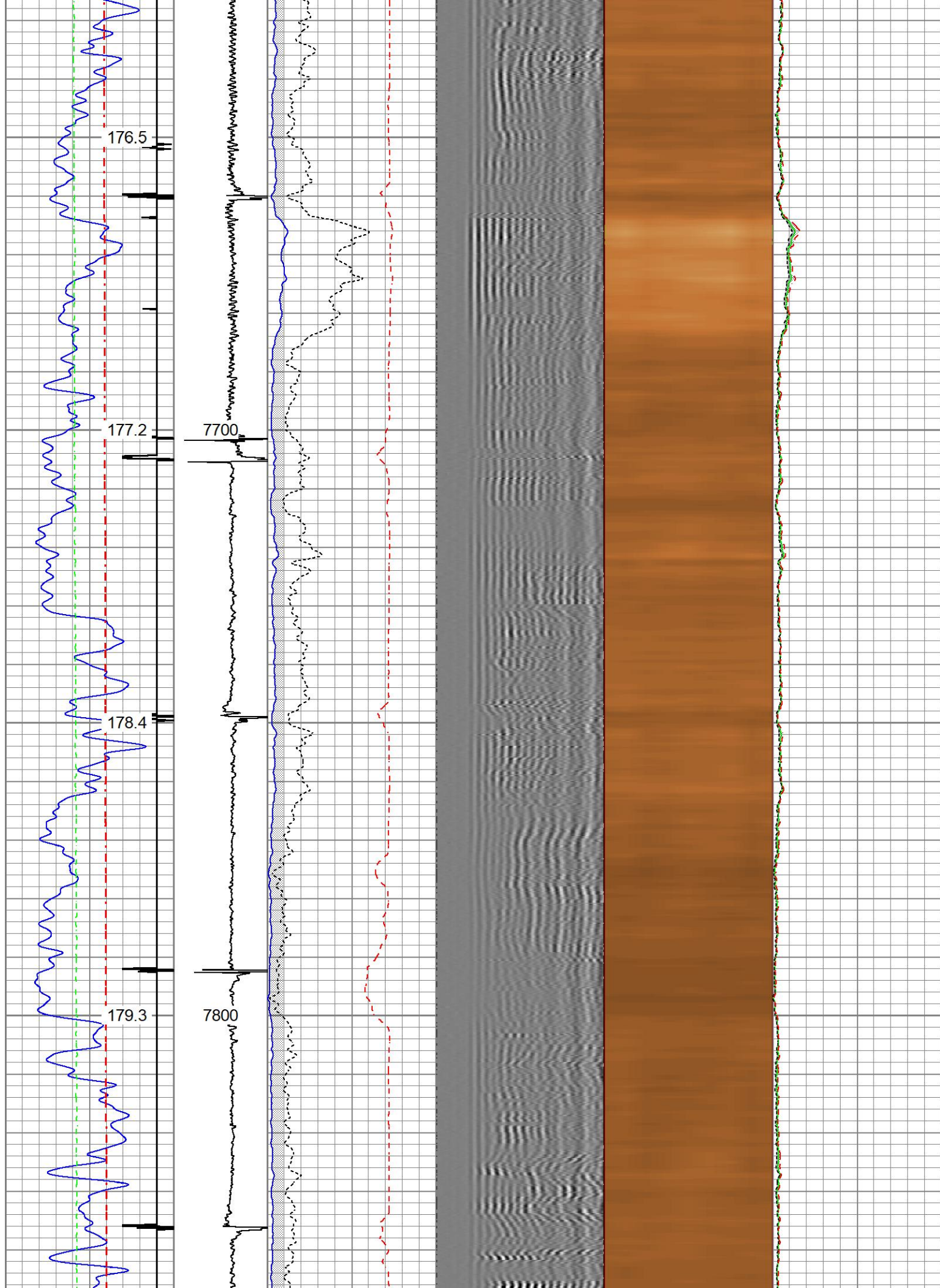


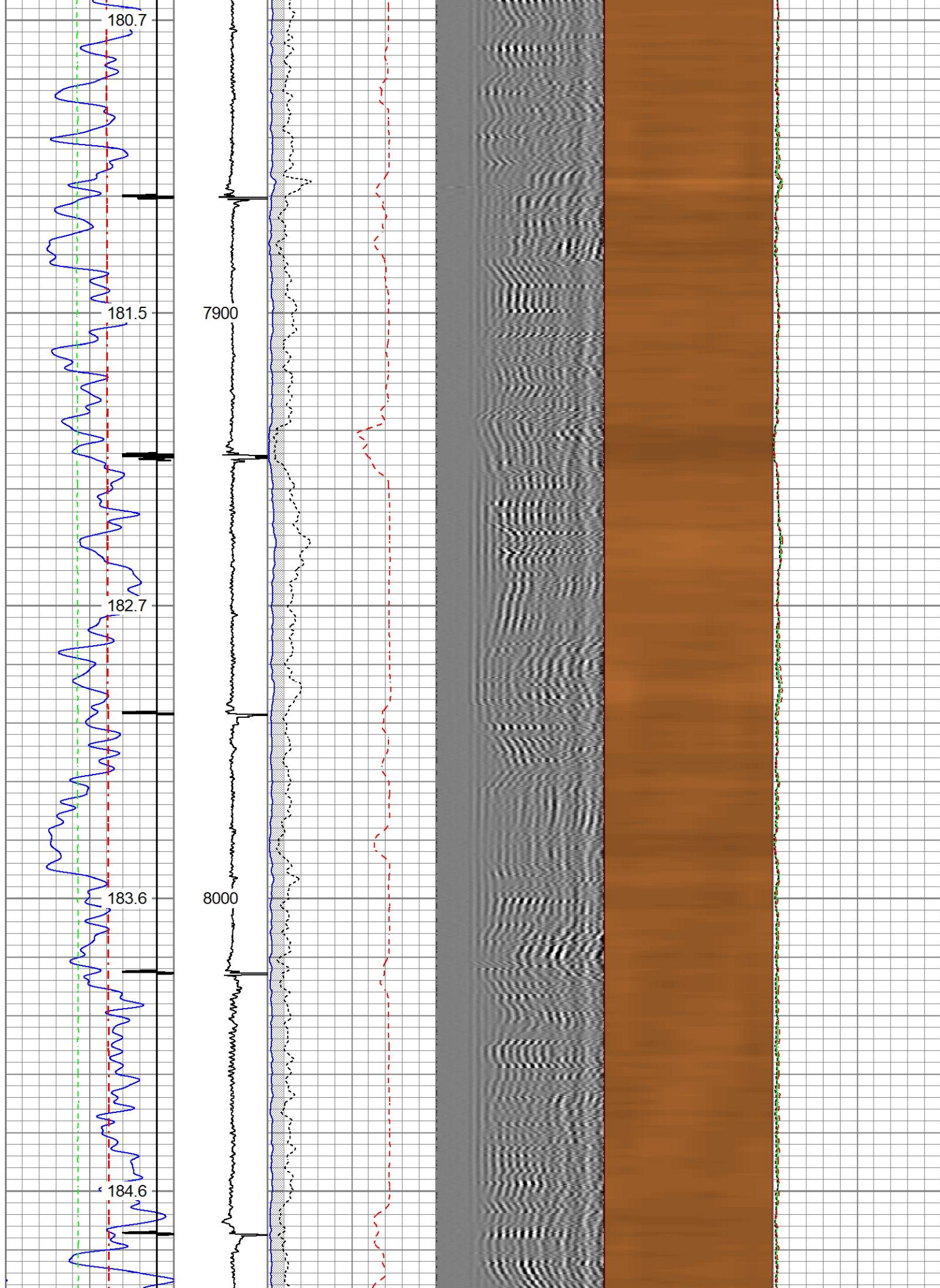


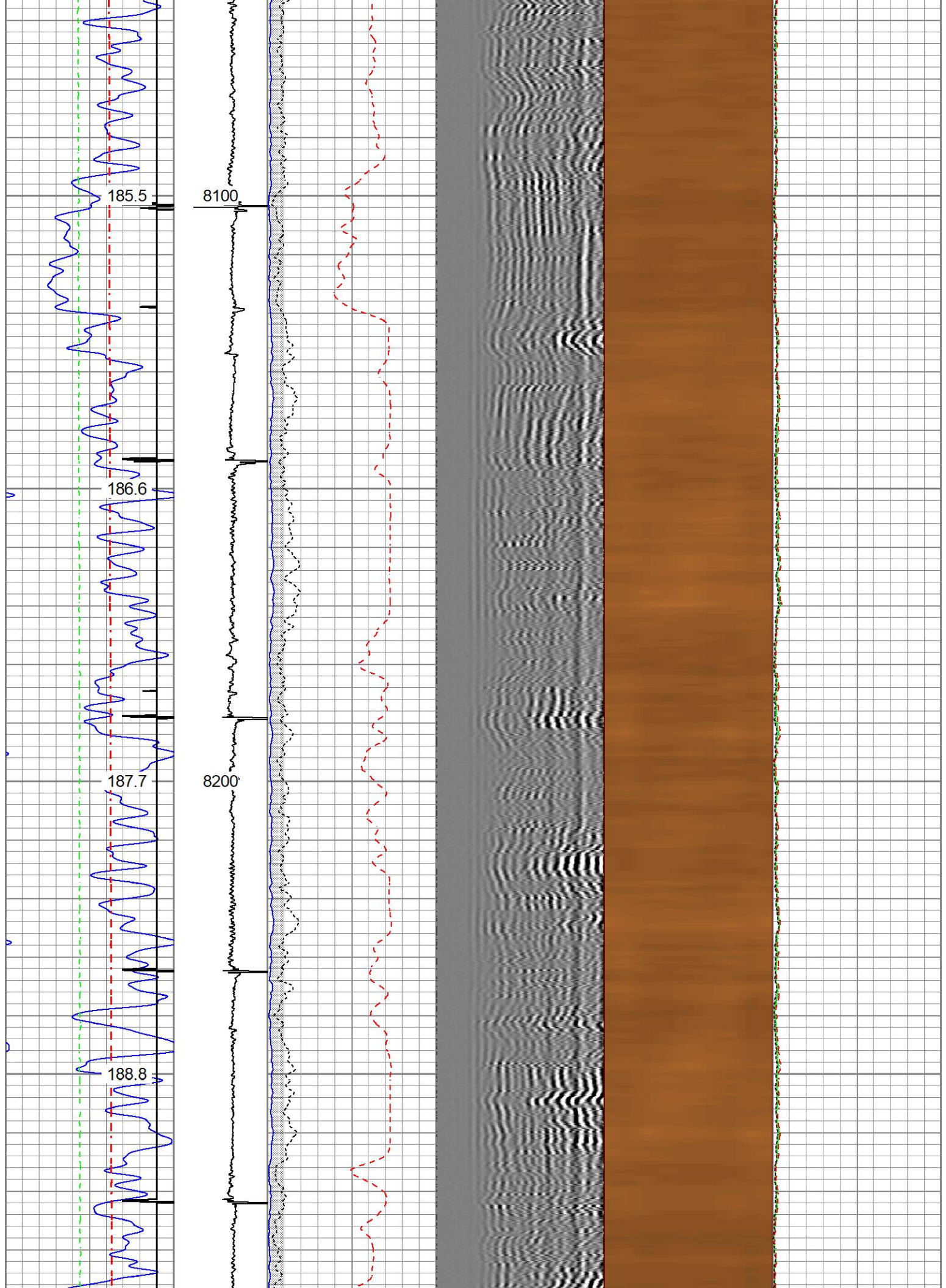


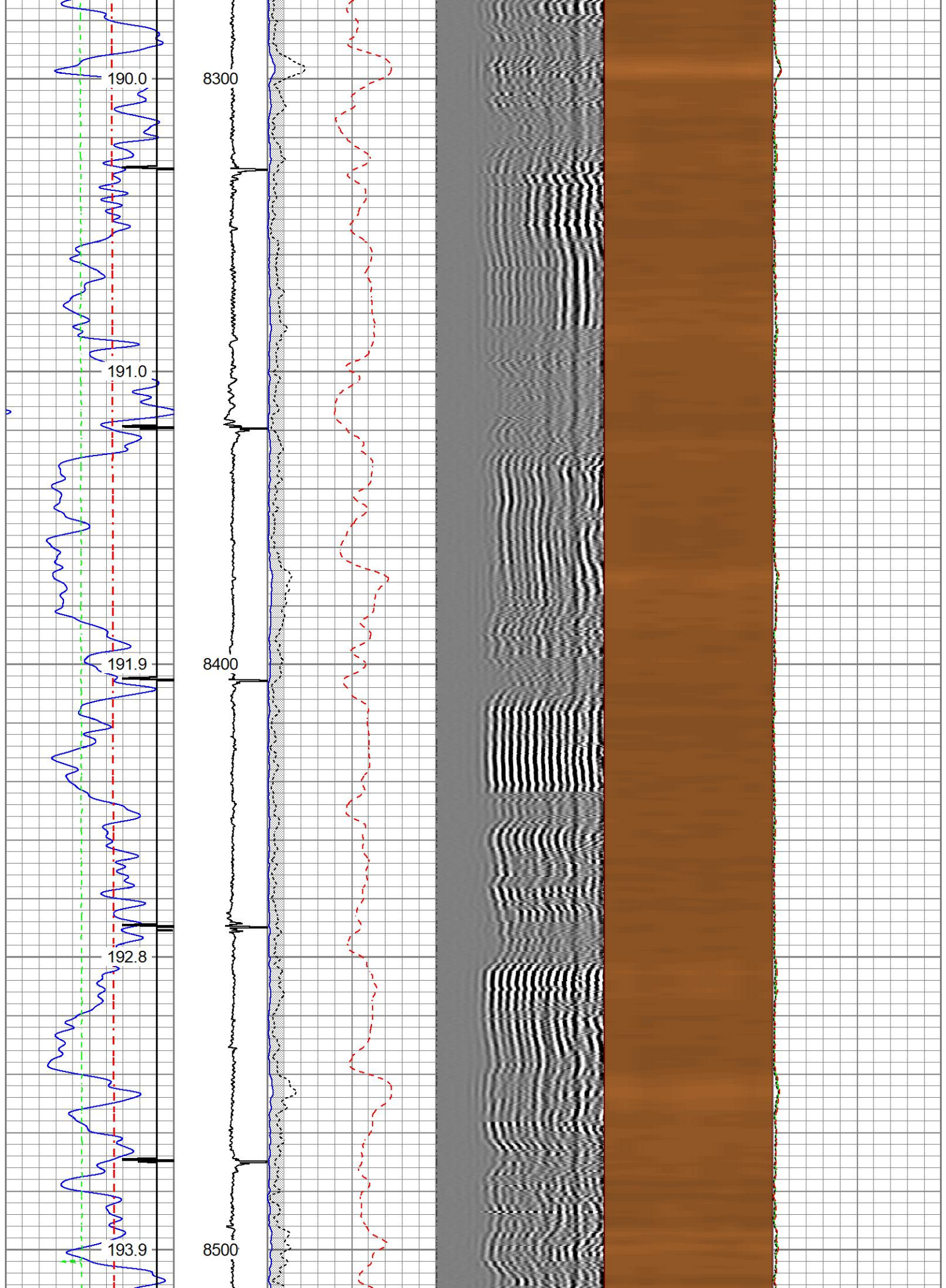


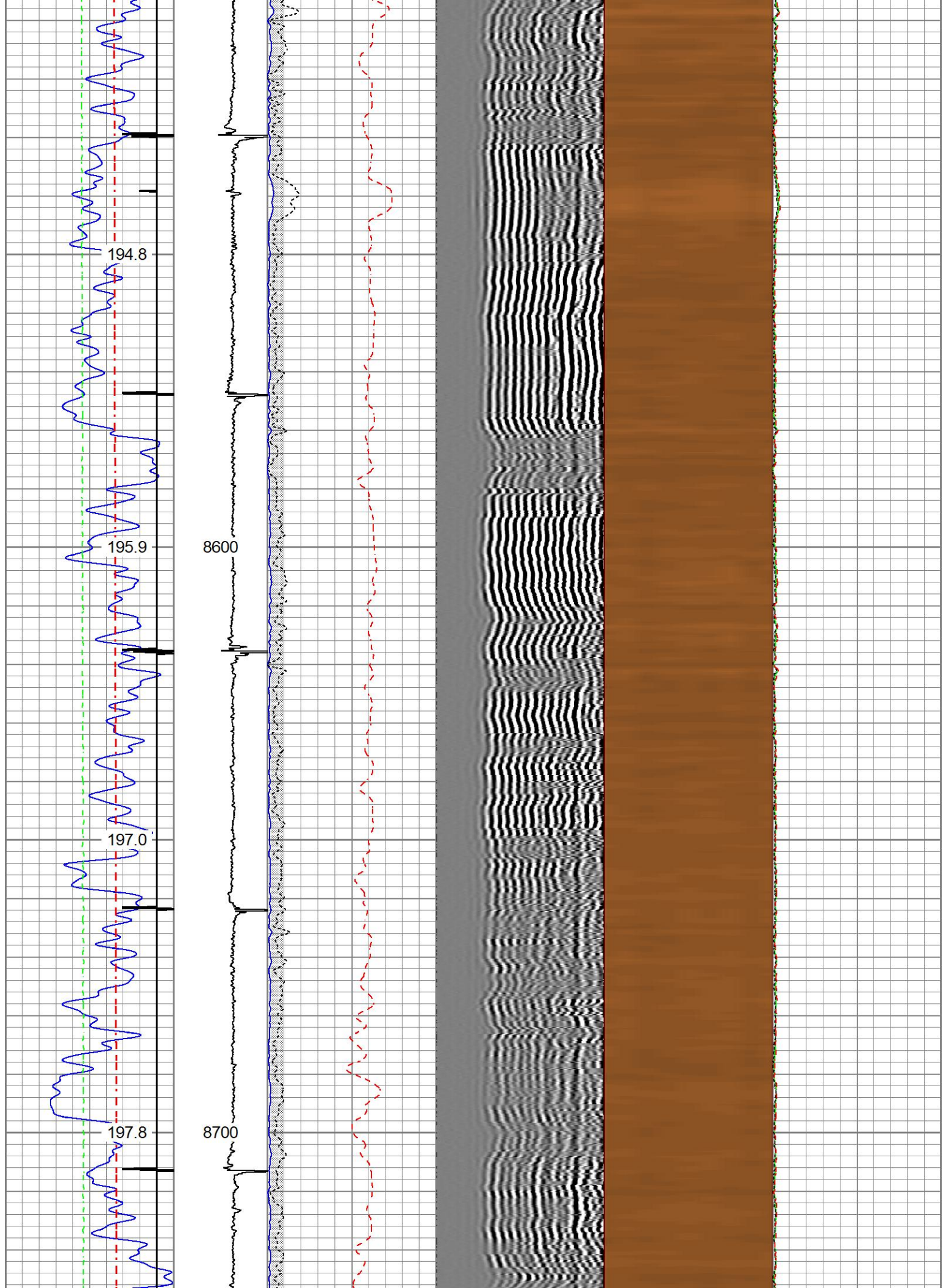


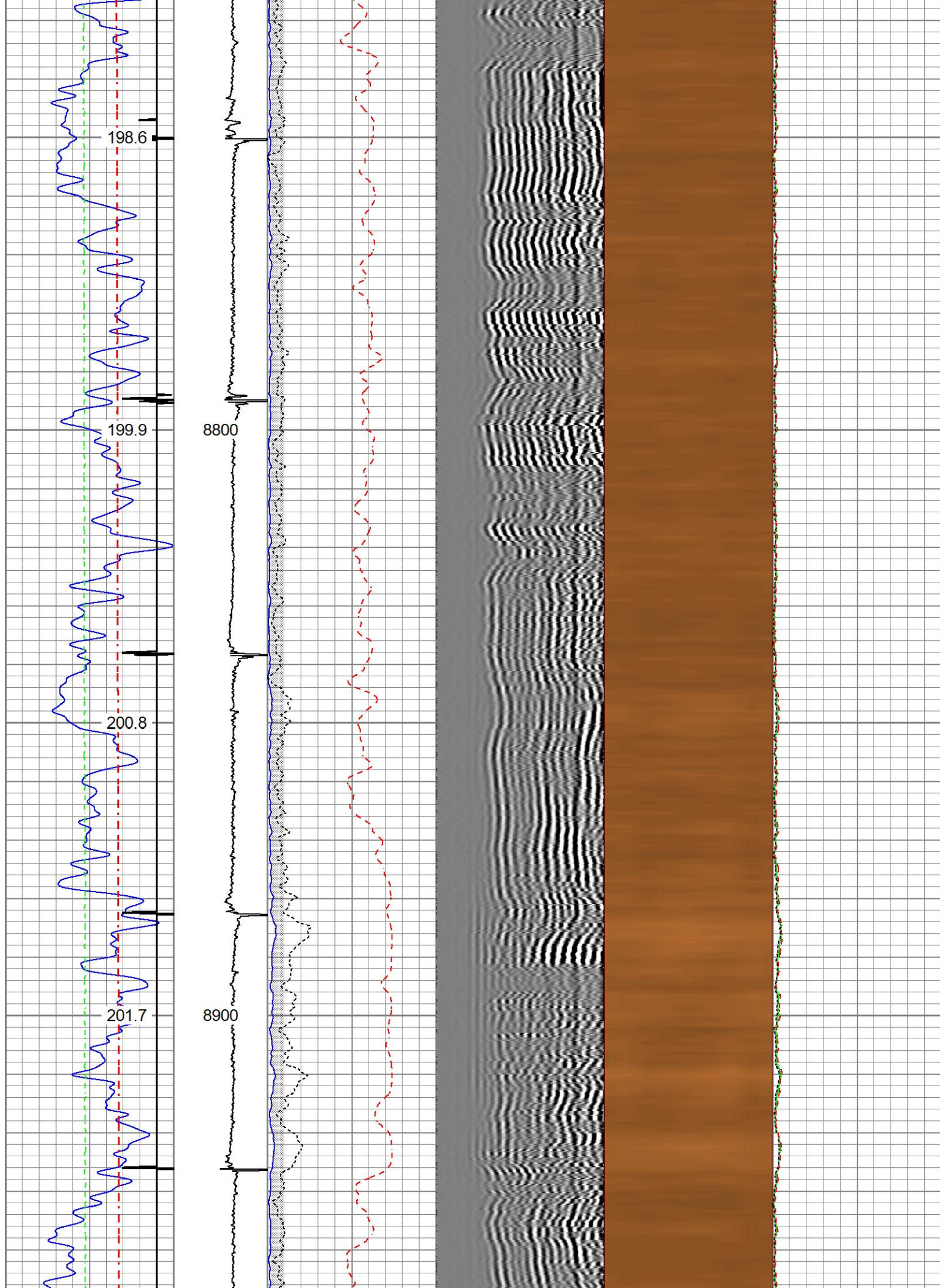


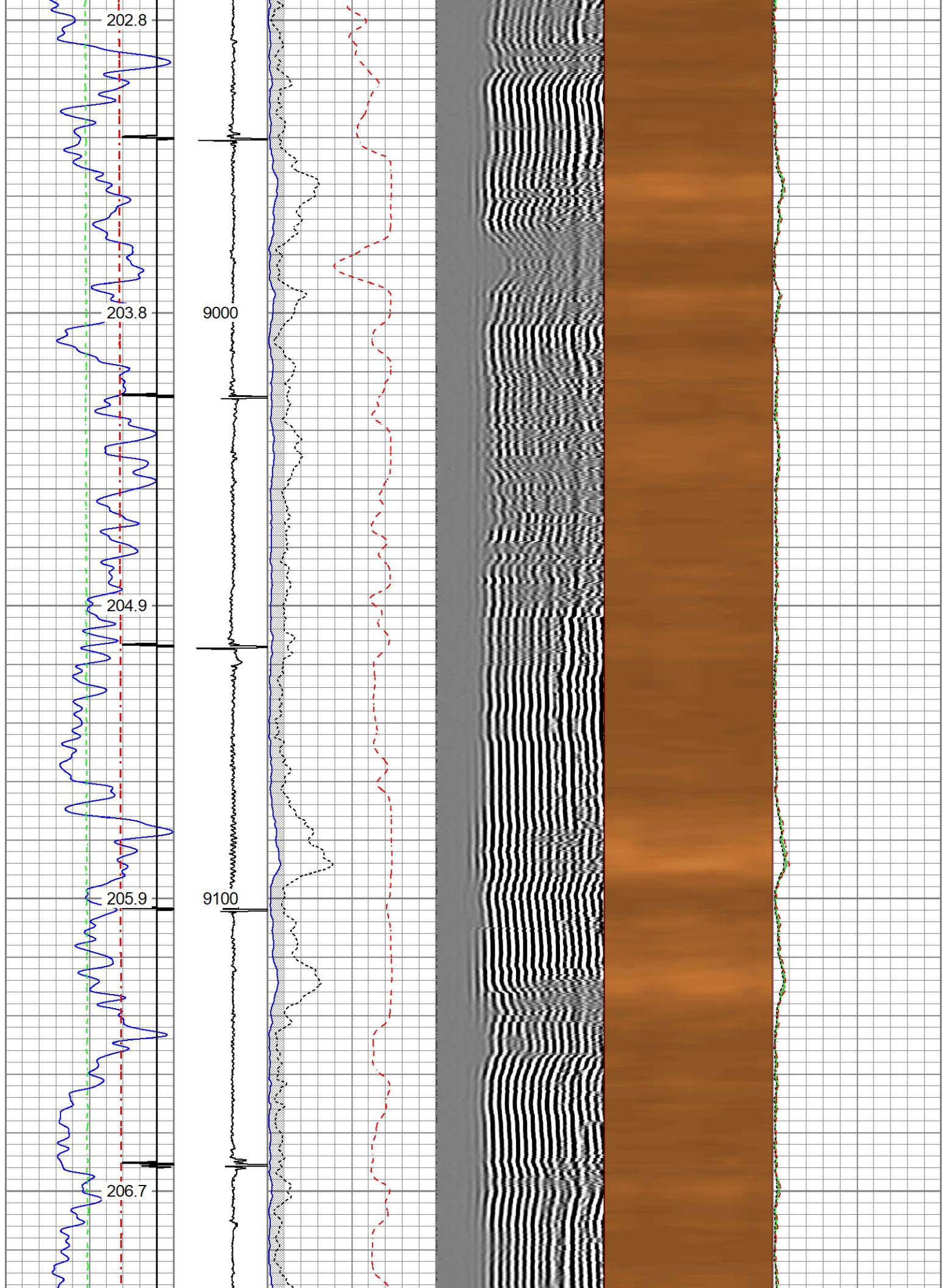


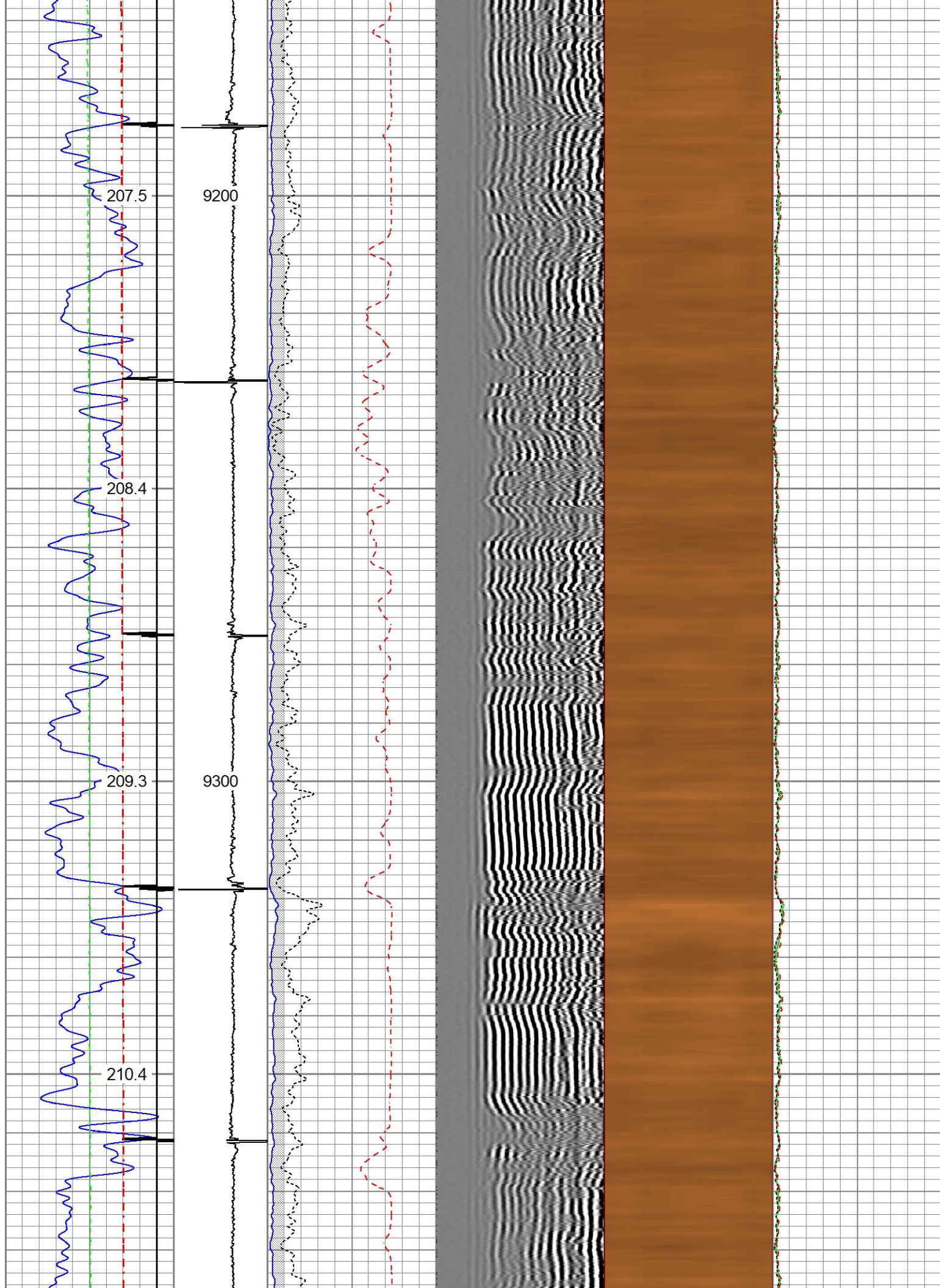


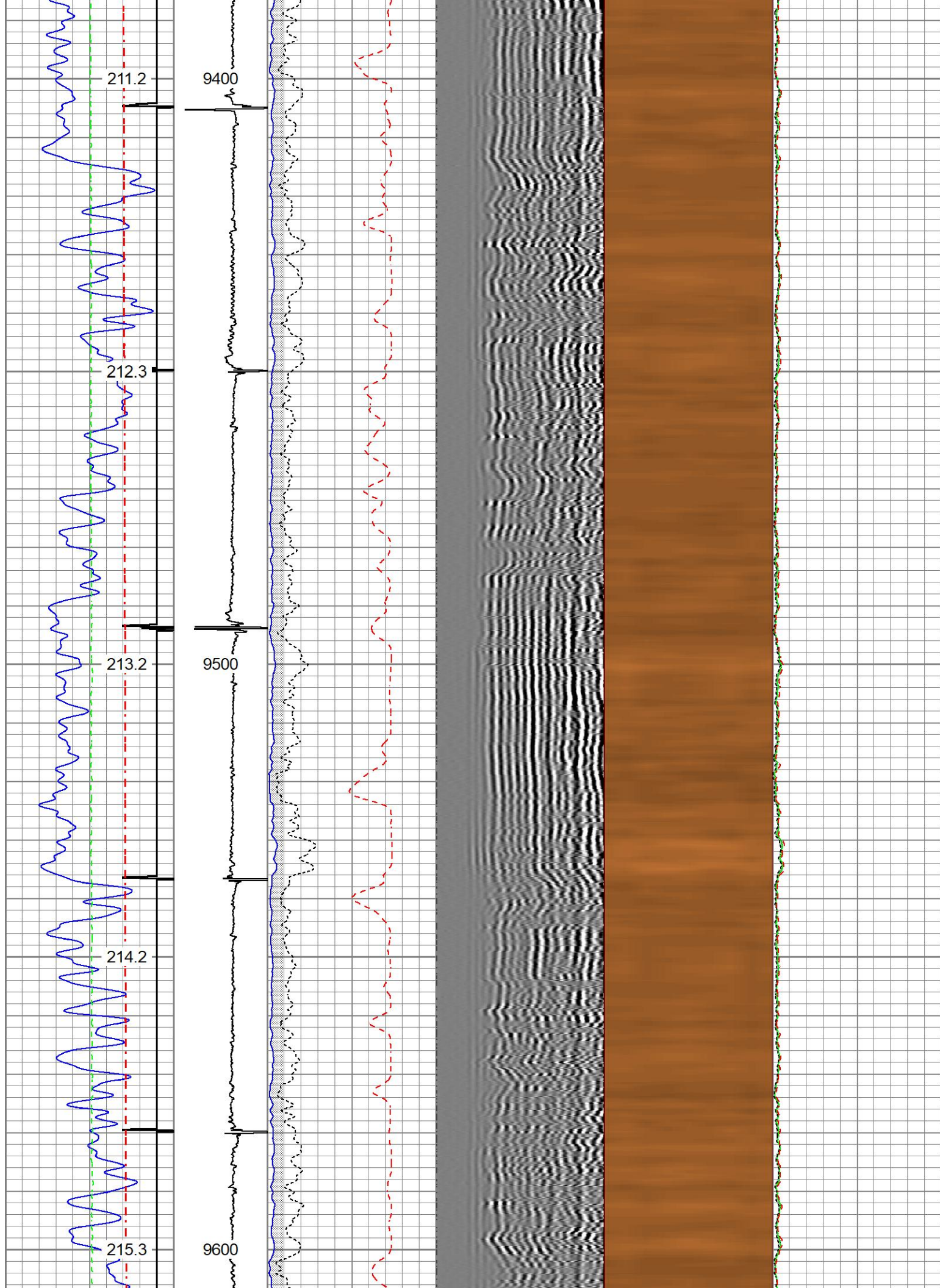


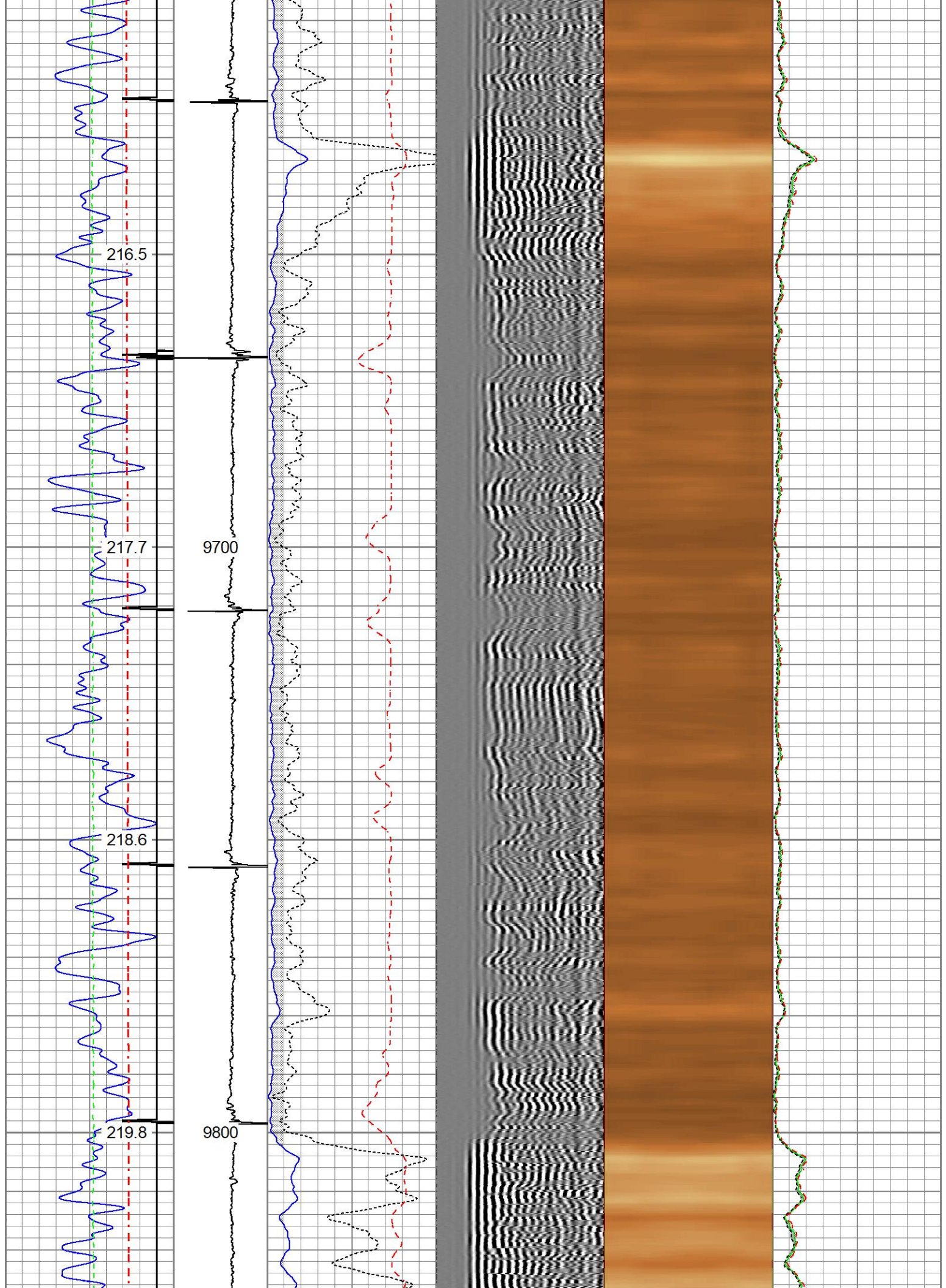


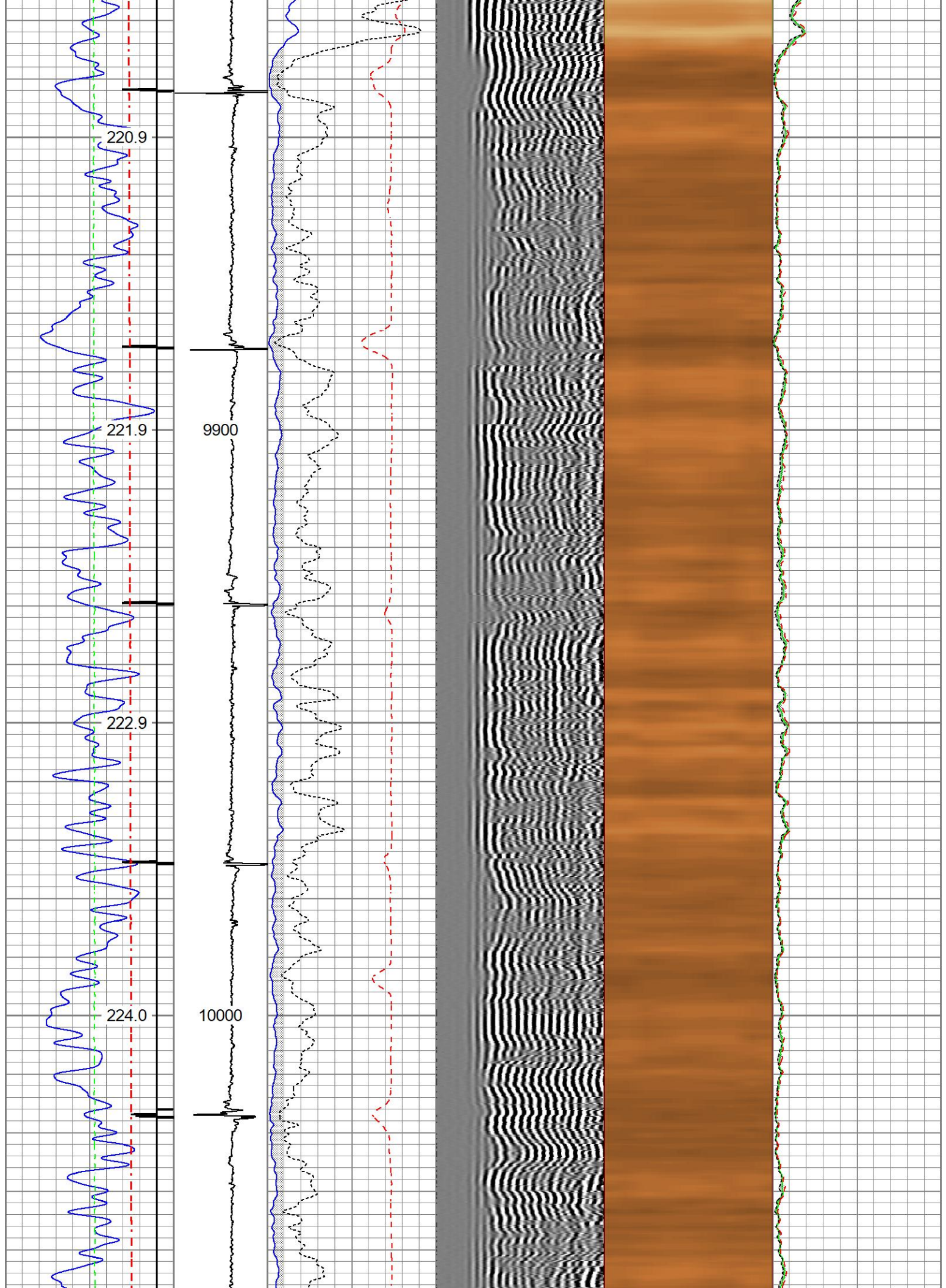


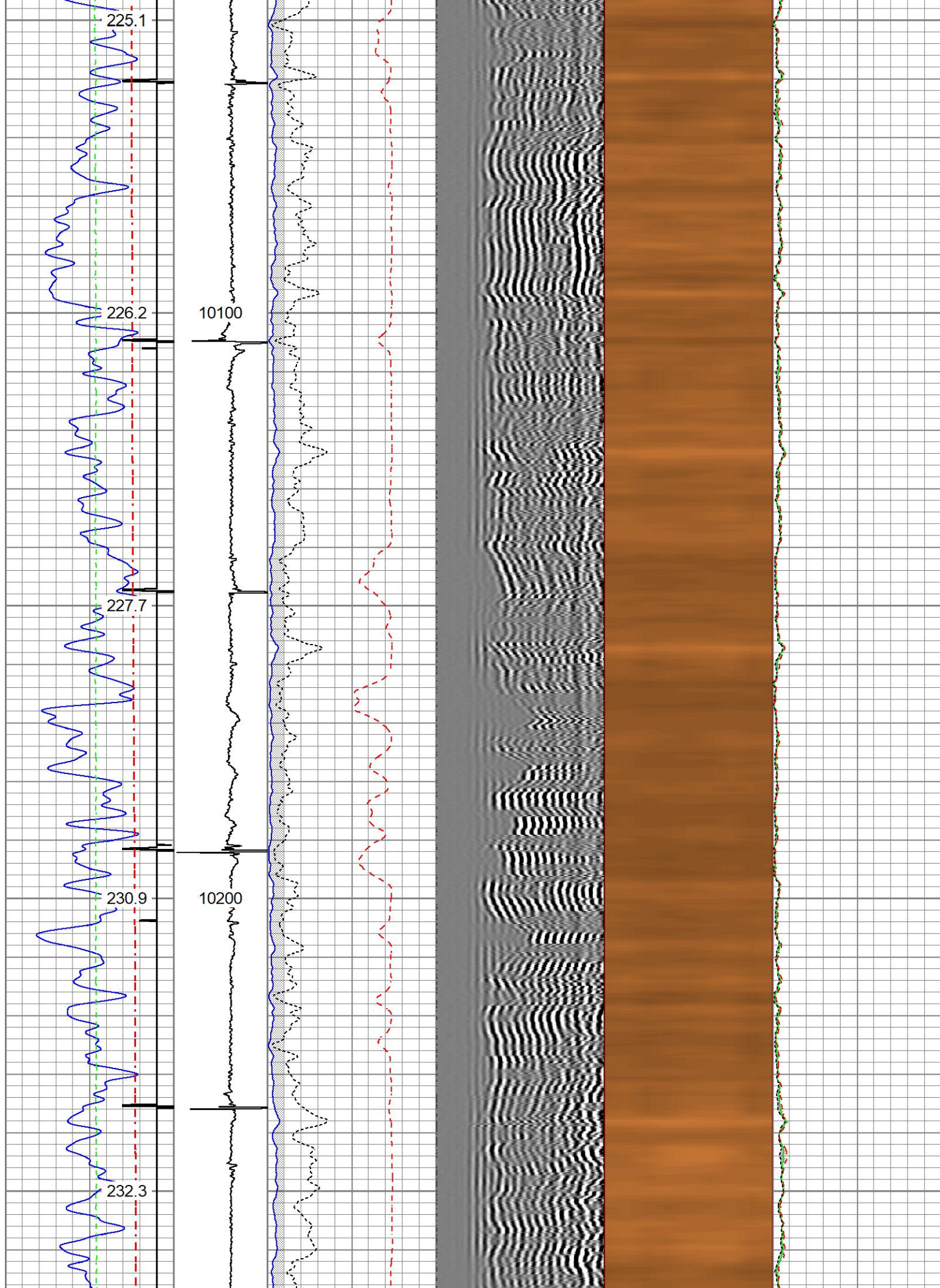


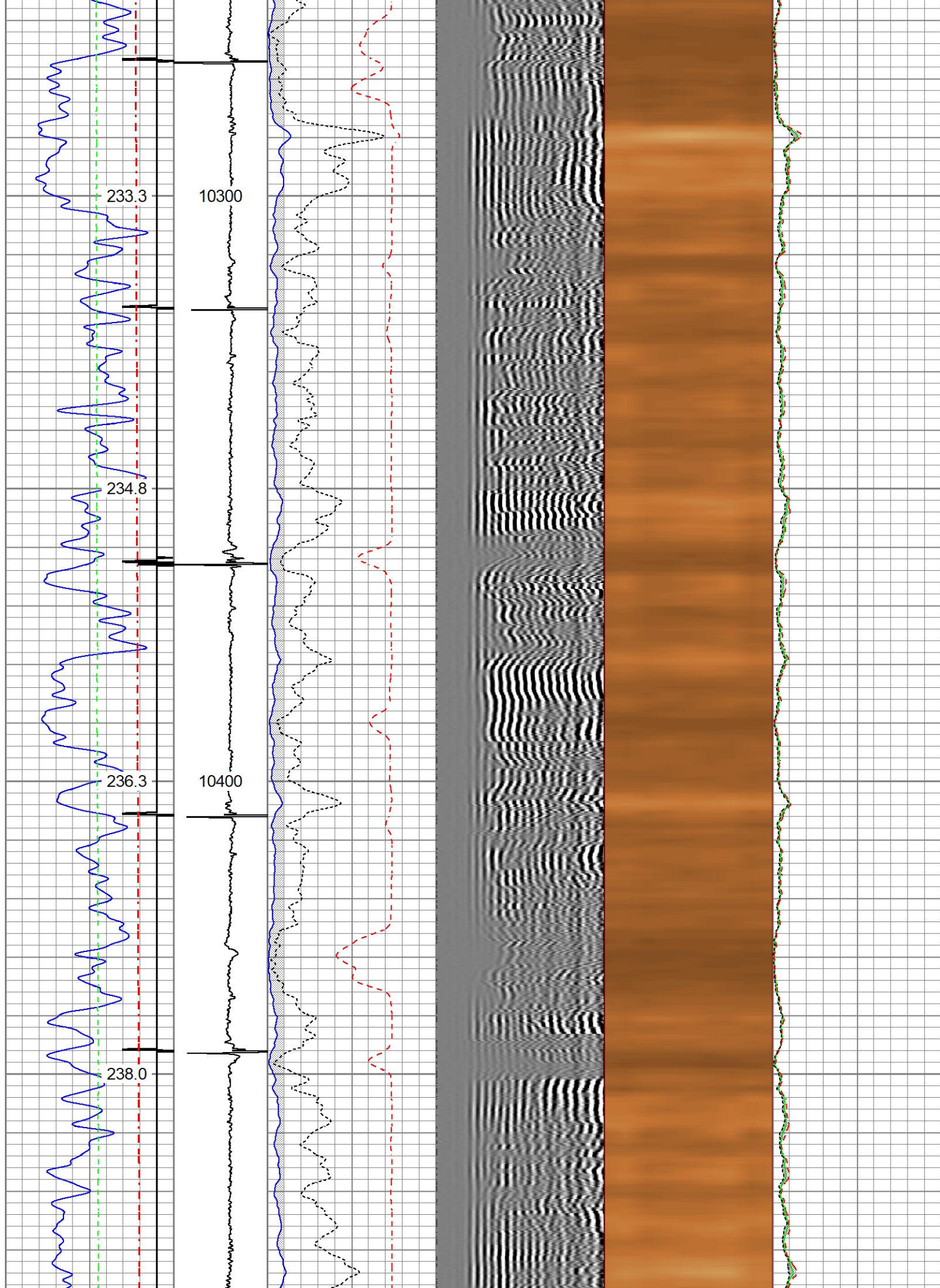


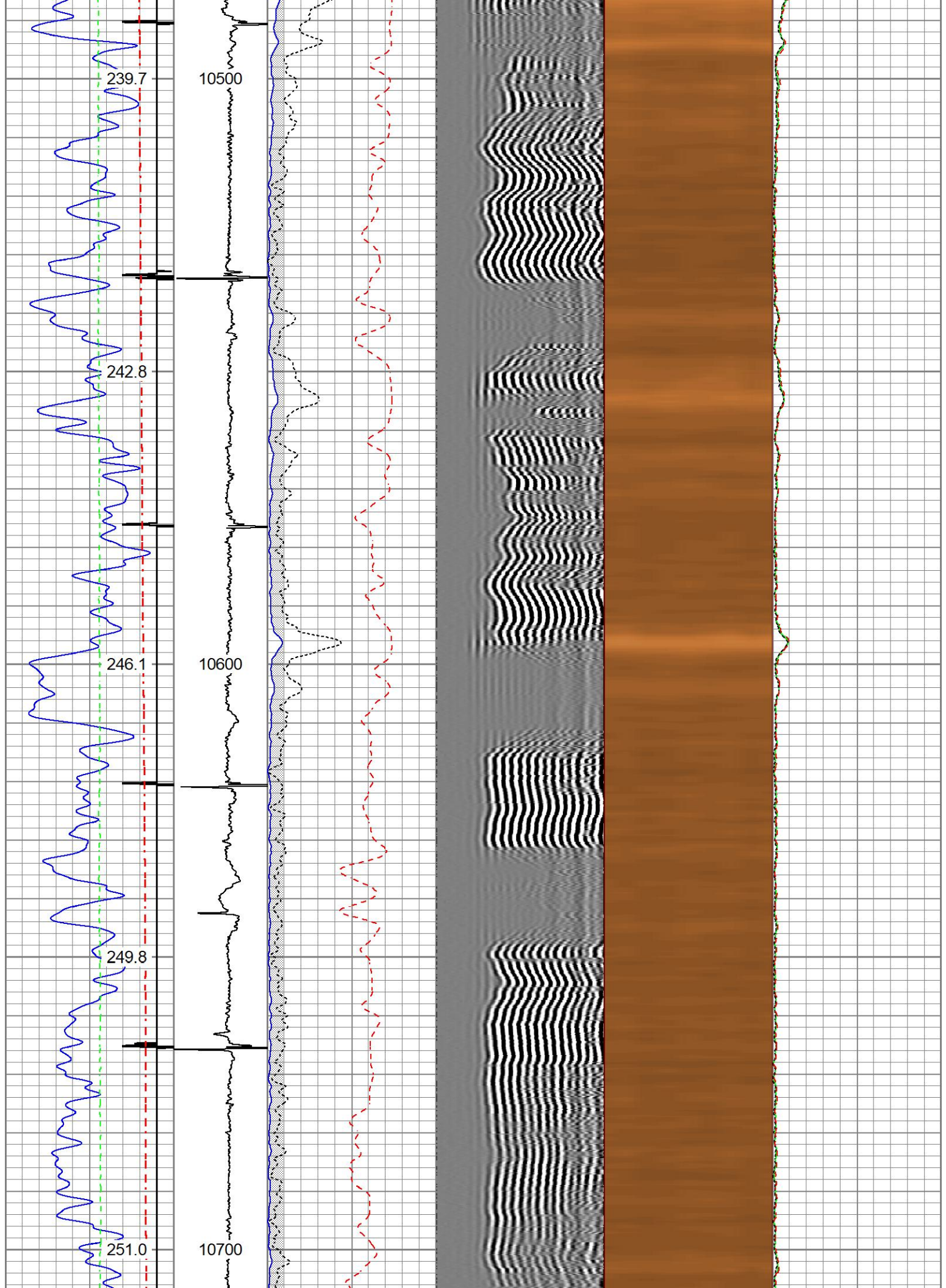


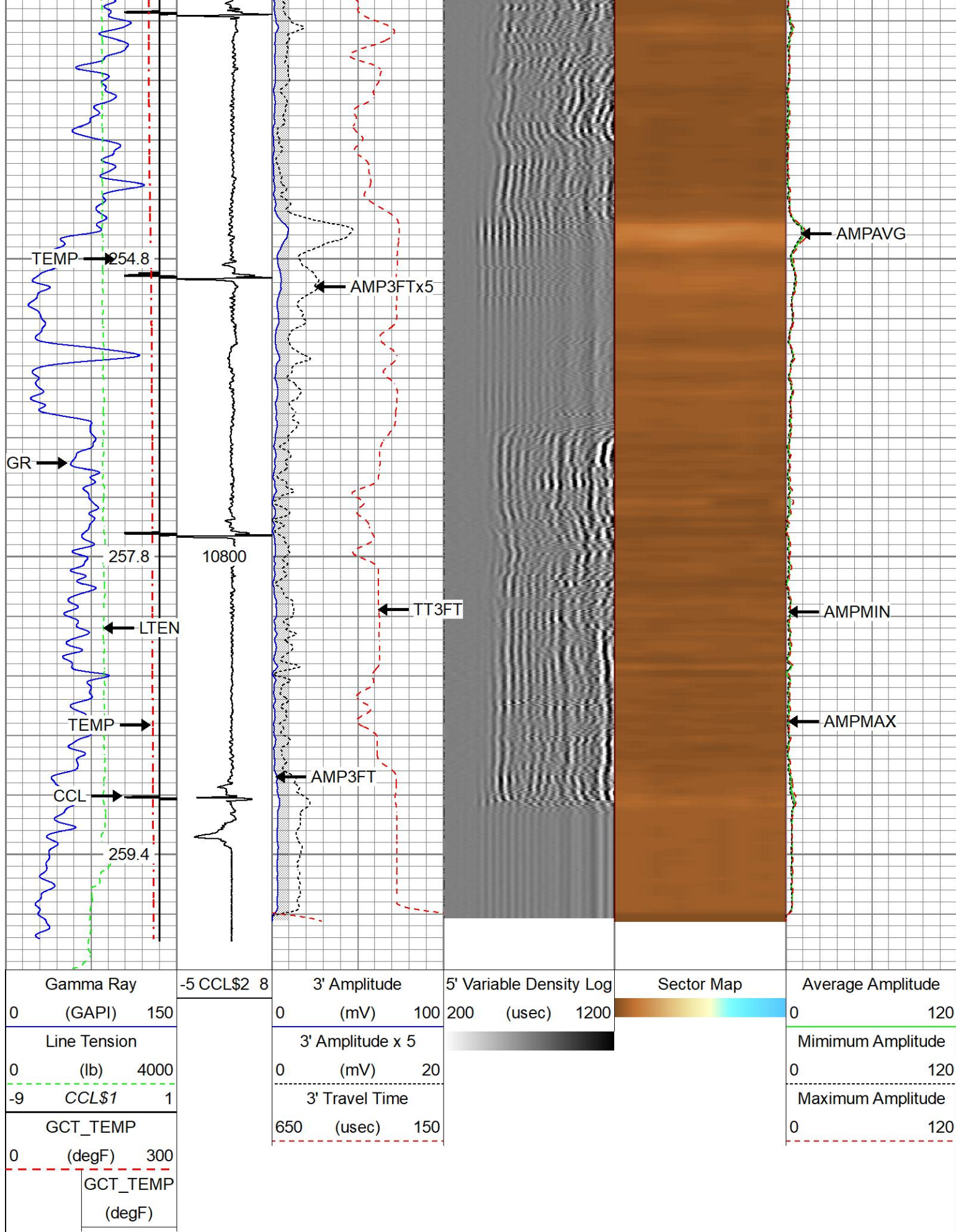






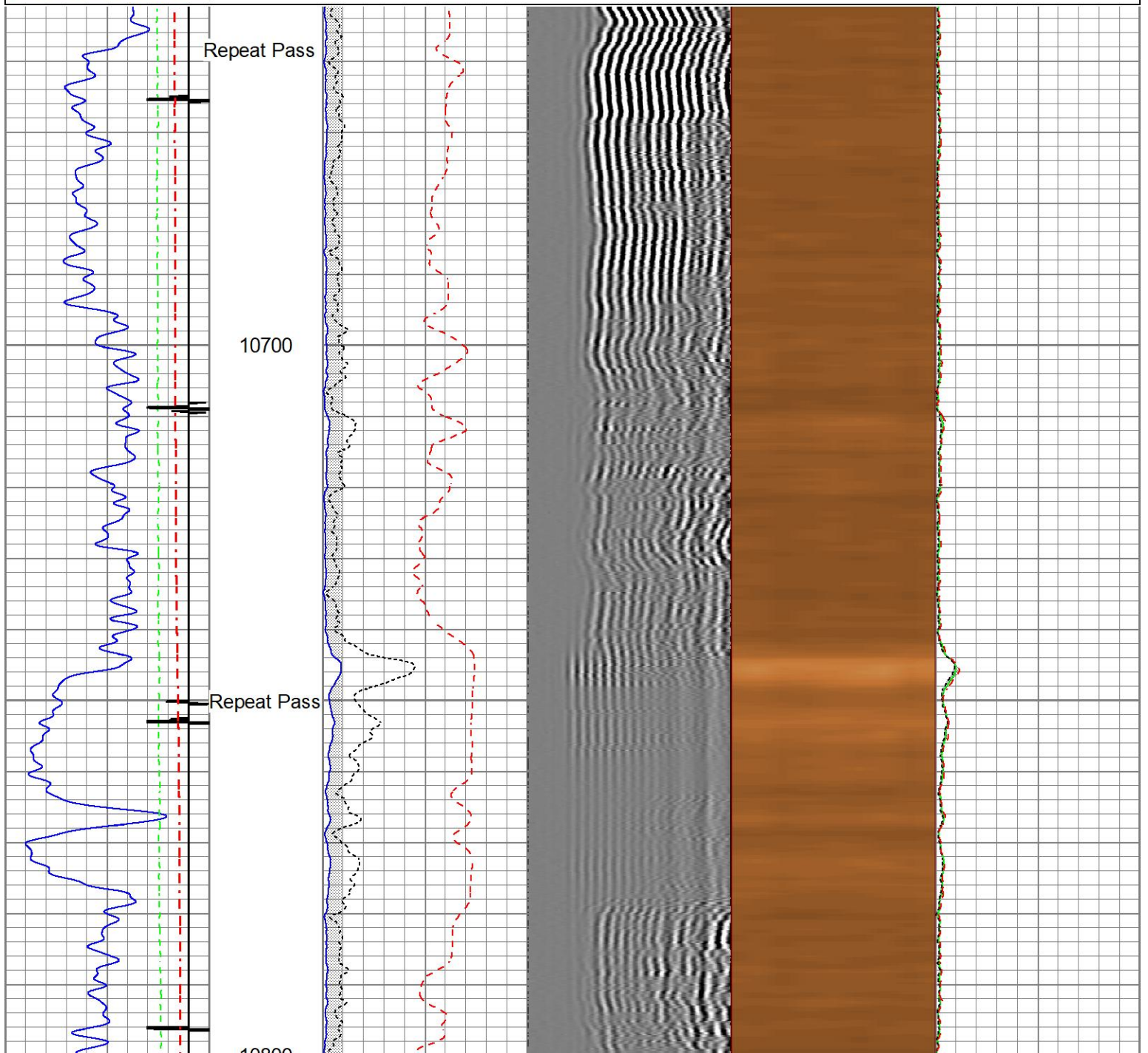


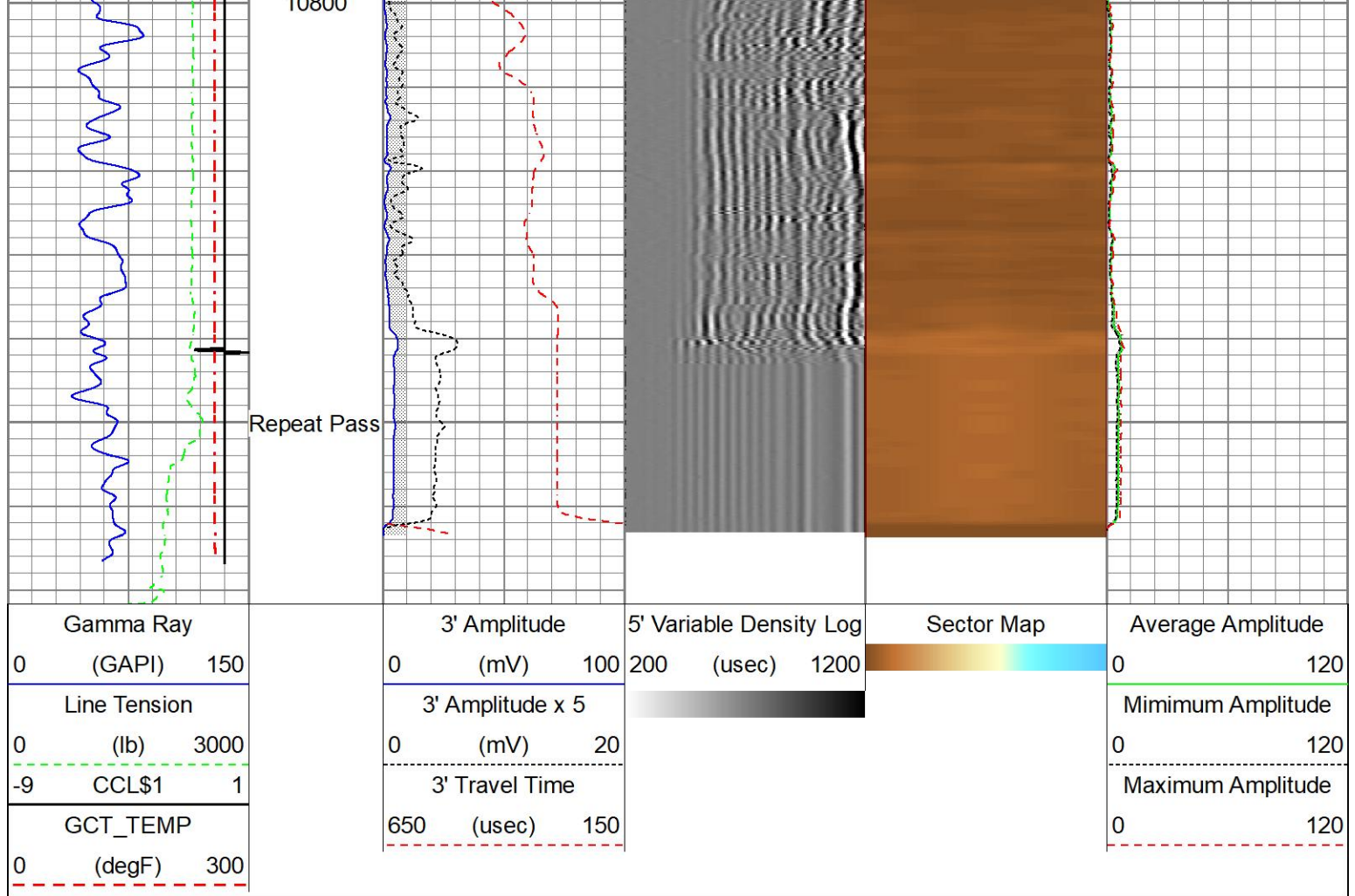




Database File tep_fed_wmc_11-20_rcbl_10-14-22.db
 Dataset Pathname repeat
 Presentation Format twgrcbl
 Dataset Creation Fri Oct 14 10:05:54 2022
 Charted by Depth in Feet scaled 1:240

Gamma Ray	3' Amplitude	5' Variable Density Log	Sector Map	Average Amplitude
0 (GAPI) 150	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 1	3' Travel Time			Maximum Amplitude
GCT_TEMP	650 (usec) 150			0 120
0 (degF) 300				





Calibration Report					
Database File	tep_fed_wmc_11-20_rcbl_10-14-22.db				
Dataset Pathname	main				
Dataset Creation	Fri Oct 14 10:09:19 2022				
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:		FW1312-30				
Tool Model:		Probe275acc				
Calibration Casing Diameter:		4.500	in			
Calibration Depth:		30.000	ft			
Master Calibration, performed Fri Oct 14 09:29:47 2022:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.765	0.000	81.196	106.563	-0.312
CAL	0.004	0.771				
5'	0.006	0.709	0.000	81.196	115.519	-0.691
SUM						
S1	0.003	0.770	0.000	100.000	130.404	-0.406
S2	0.004	0.774	0.000	100.000	129.782	-0.512
S3	0.003	0.778	0.000	100.000	129.185	-0.445
S4	0.004	0.771	0.000	100.000	130.379	-0.551
S5	0.004	0.771	0.000	100.000	130.425	-0.498
S6	0.003	0.763	0.000	100.000	131.514	-0.374
S7	0.004	0.751	0.000	100.000	133.771	-0.487
S8	0.004	0.764	0.000	100.000	131.655	-0.585
Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.771	1.000	0.000
Air Zero Calibration, performed Fri Oct 14 09:30:10 2022:						
	Raw (v)		Calibrated (v)		Results	
	Zero		Zero			Offset
3'	0.003		0.000			-0.000
5'	0.006		0.000			0.000
SUM						
S1	0.003		0.000			0.000
S2	0.003		0.000			0.000
S3	0.003		0.000			0.000
S4	0.005		0.000			-0.001
S5	0.004		0.000			0.000
S6	0.003		0.000			-0.000
S7	0.004		0.000			-0.000
S8	0.004		0.000			0.001
Inclinometer Calibration Report						
Performed:		Thu Jul 28 15:46:49 2022				
	Low Read.	High Read.		Low Ref.	High Ref.	
X Accelerometer	-931.00	904.00		-1.00	1.00	gee
Y Accelerometer	-899.00	884.00		-1.00	1.00	gee

Z Accelerometer

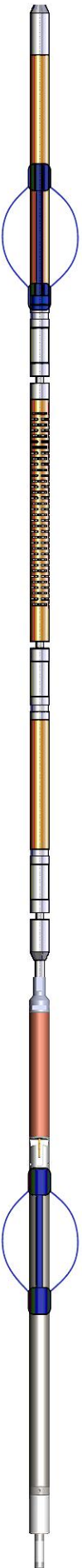
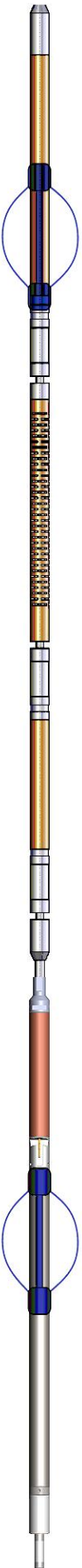
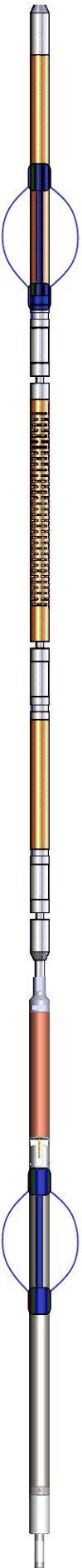
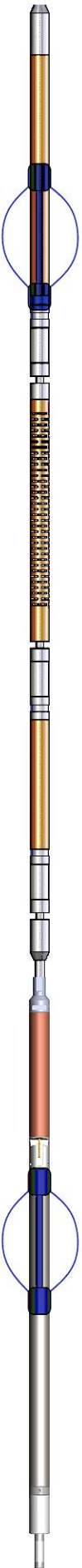
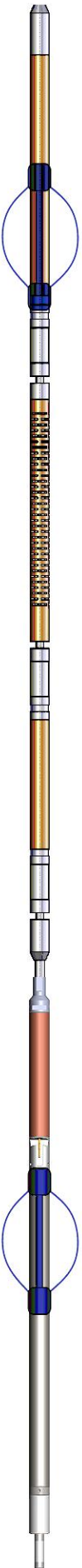
1.47

886.18

0.00

1.00

gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
GCT_FMWR	14.08		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	14.08					
RBT_Status	14.08					
Error_Ct	14.08					
WVFS8	9.58		RBT8acc-Probe275acc (FW1312-30) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS7	9.58					
WVFS6	9.58					
WVFS5	9.58					
WVFS4	9.58					
WVFS3	9.58					
WVFS2	9.58					
WVFS1	9.58					
WVF3FT	9.58					
WVF5FT	8.58					
GCT_HV	5.72		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_HV	5.33					
RBT_ACCZ	5.33					
RBT_ACCY	5.33					
RBT_ACCX	5.33					
WVFSYNC	5.33					
WVFCAL	5.33					
CCL\$2	4.72					
CCL\$1	4.72					
GCT_TEMP	3.84					
GR	3.04					
GCT_IntTemp	2.00		GCacc-GCTacc_6-Pin-Base (110255) Probe 2.75" Gamma Ray - CCL w/ Temp and 6 Pin Bottom	5.00	2.75	
GCT_ACCZ	0.33					
GCT_ACCY	0.33					
GCT_ACCX	0.33					
			Plug-FA108-0000 1.38" Bull Plug	0.33	1.38	1.00

Dataset:	tep_fed_wmc_11-20_rcbl_10-14-22.db: field/well/run1/main
Total length:	14.08 ft
Total weight:	131.00 lb
O.D.:	3.25 in

Company	TEP Rocky Mountain LLC
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Well	Federal WMC 11-20
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Field	Rulison
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County	Garfield
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State	Colorado
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Radial Cement Bond
Gamma Ray
Casing Collar Log