



Radial Cement Bond  
Gamma Ray  
Casing Collar Log

Company	Terra Energy Partners, LLC		
Well	Federal NR 344-36		
Field	Rulison		
County	Garfield		
State	Colorado	Country	USA
Company		Terra Energy Partners, LLC	
Well		Federal NR 344-36	
Field		Rulison	
County		Garfield	
State		Colorado	Country USA
Location:		API # : 05-045-24482	
SEC 3 TWP 6S RGE 94W		Other Services ---	
Permanent Datum	Ground Level	Elevation	6728'
Log Measured From	Kelly Bushing		
Drilling Measured From	Kelly Bushing		
Elevation		K.B. 6758' D.F. 6759' G.L. 6730'	
Date	30-AUG-2022		
Run Number	One		
Depth Driller	11464 FT		
Depth Logger	11359 FT		
Bottom Logged Interval	11356 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	13:51		
Equipment Number	8093		
Location	Grand Junction, CO.		
Recorded By	A. Ellsworth		
Witnessed By	C. Applegate		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
			From
			To
Casing Record	Size	Wgt/Ft	Top
Surface String	9.625"	38 lb	Surface
Prot. String			
Production String	4.5"	11.6 lb	Surface
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 at 6670 FT - 6680 FT  
Log ran with 0 PSI at surface

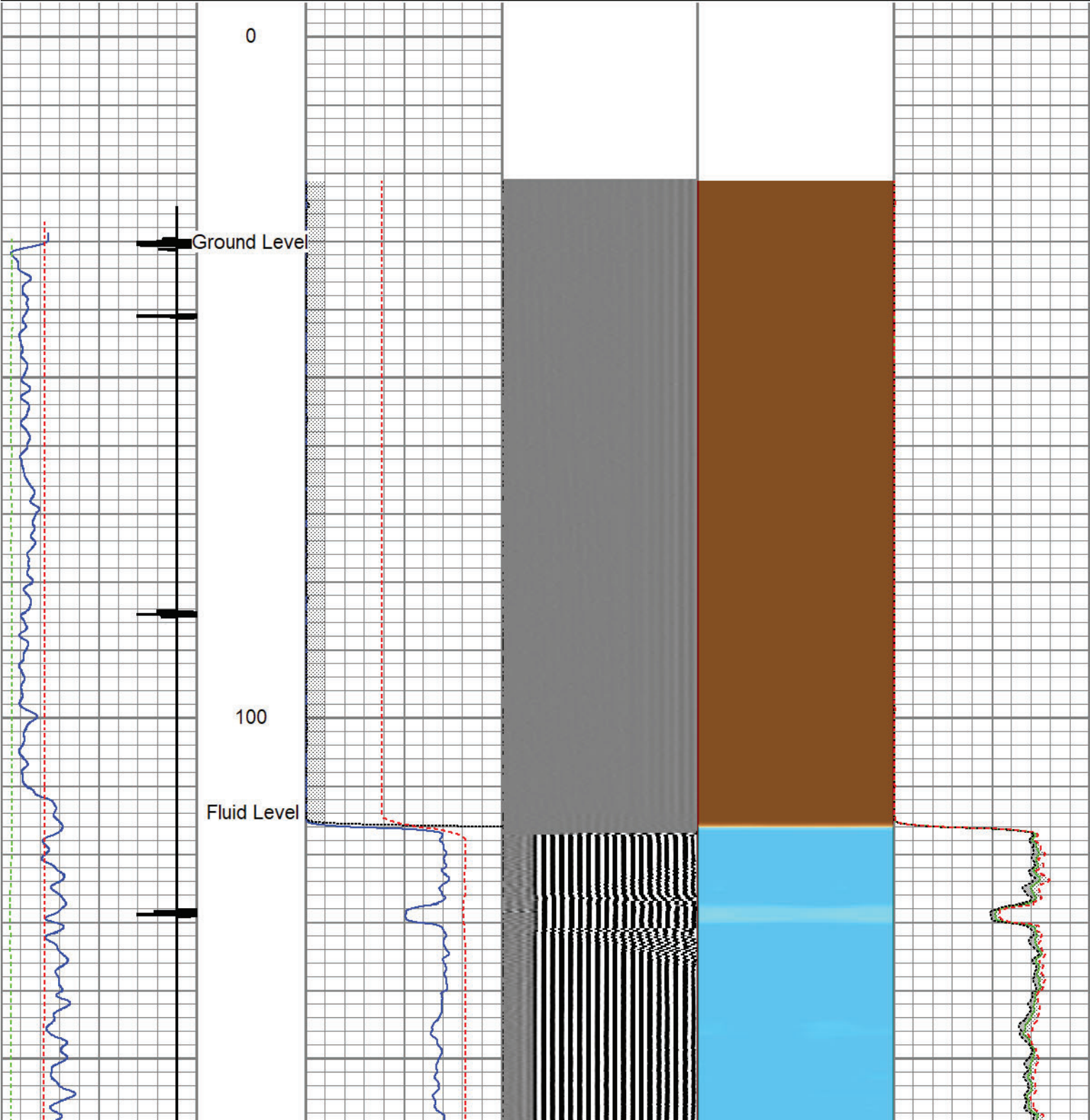
Thank you for choosing The Wireline Group.

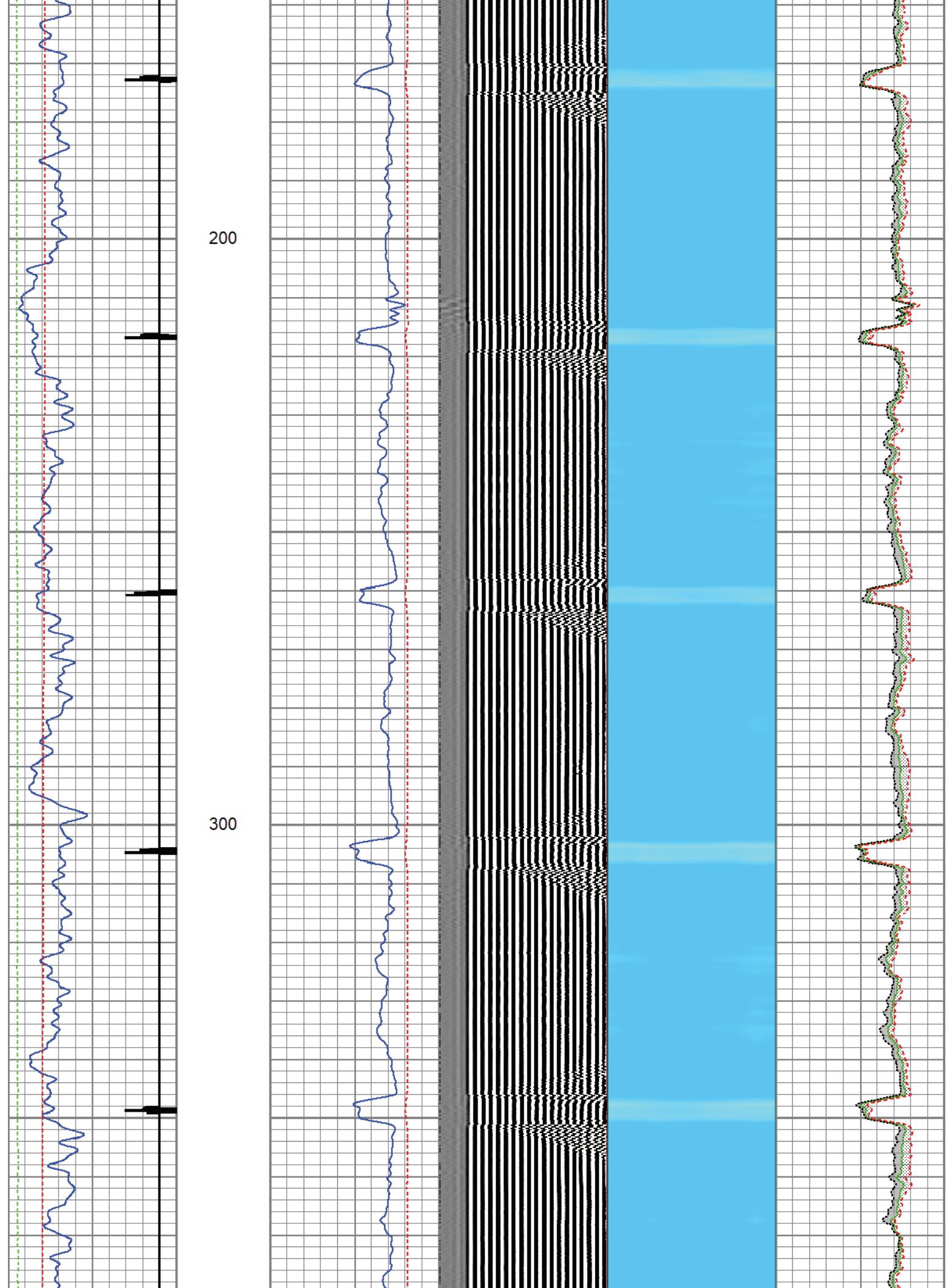


Main Pass 5" = 100'

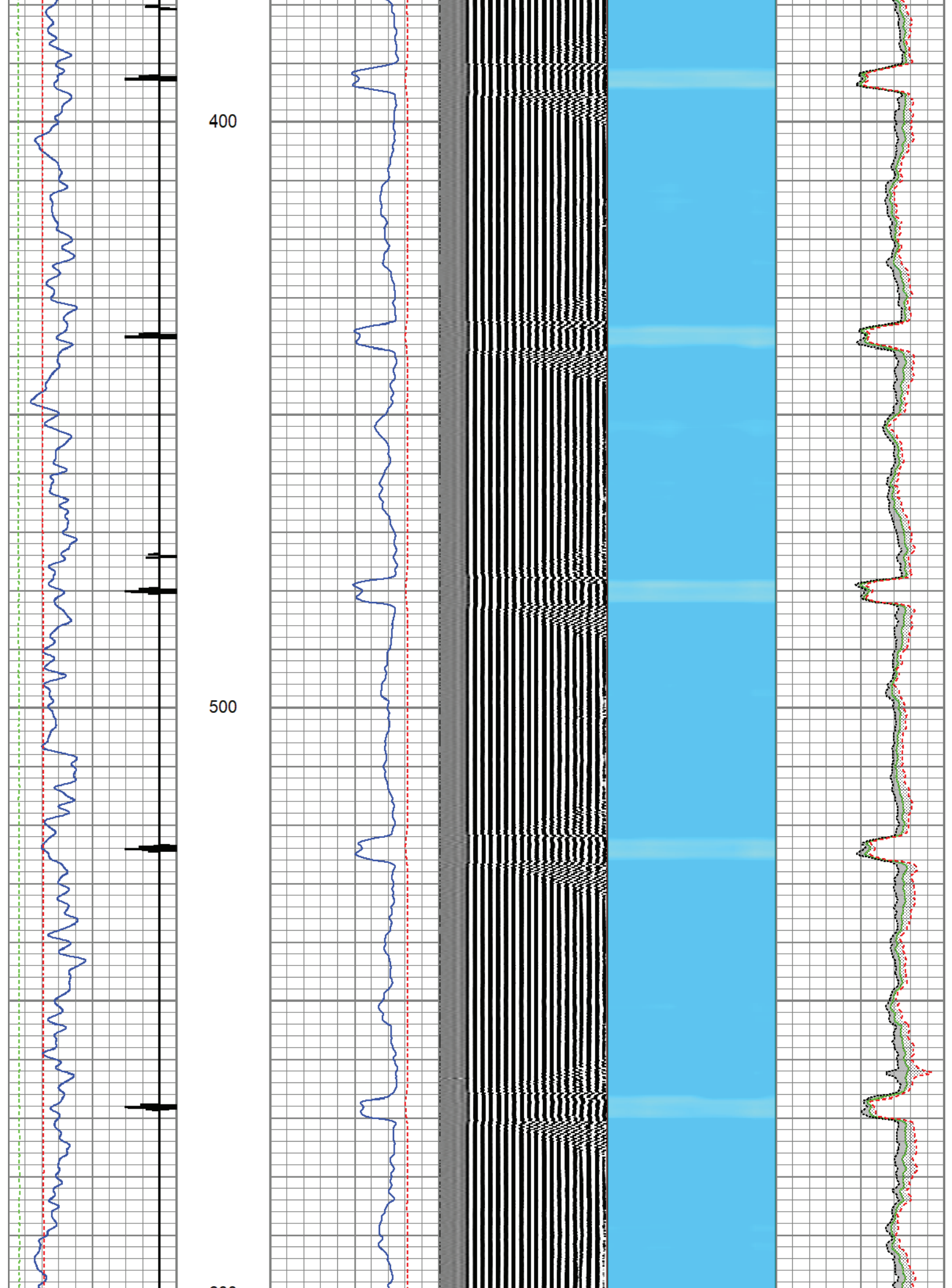
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Dataset Pathname	Main
Presentation Format	twgrcbl
Dataset Creation	Tue Aug 30 13:51:32 2022
Charted by	Depth in Feet scaled 1:240

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

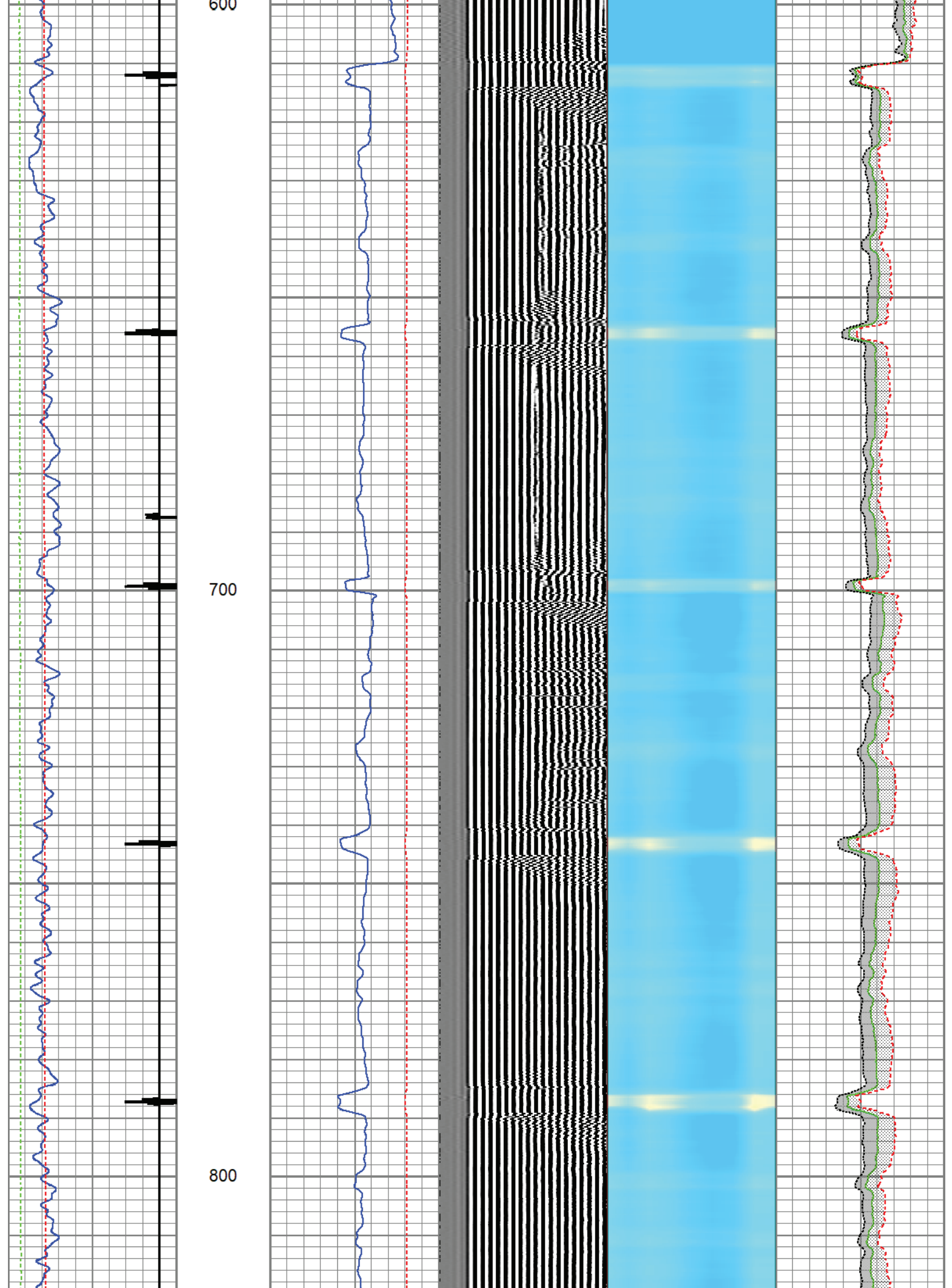


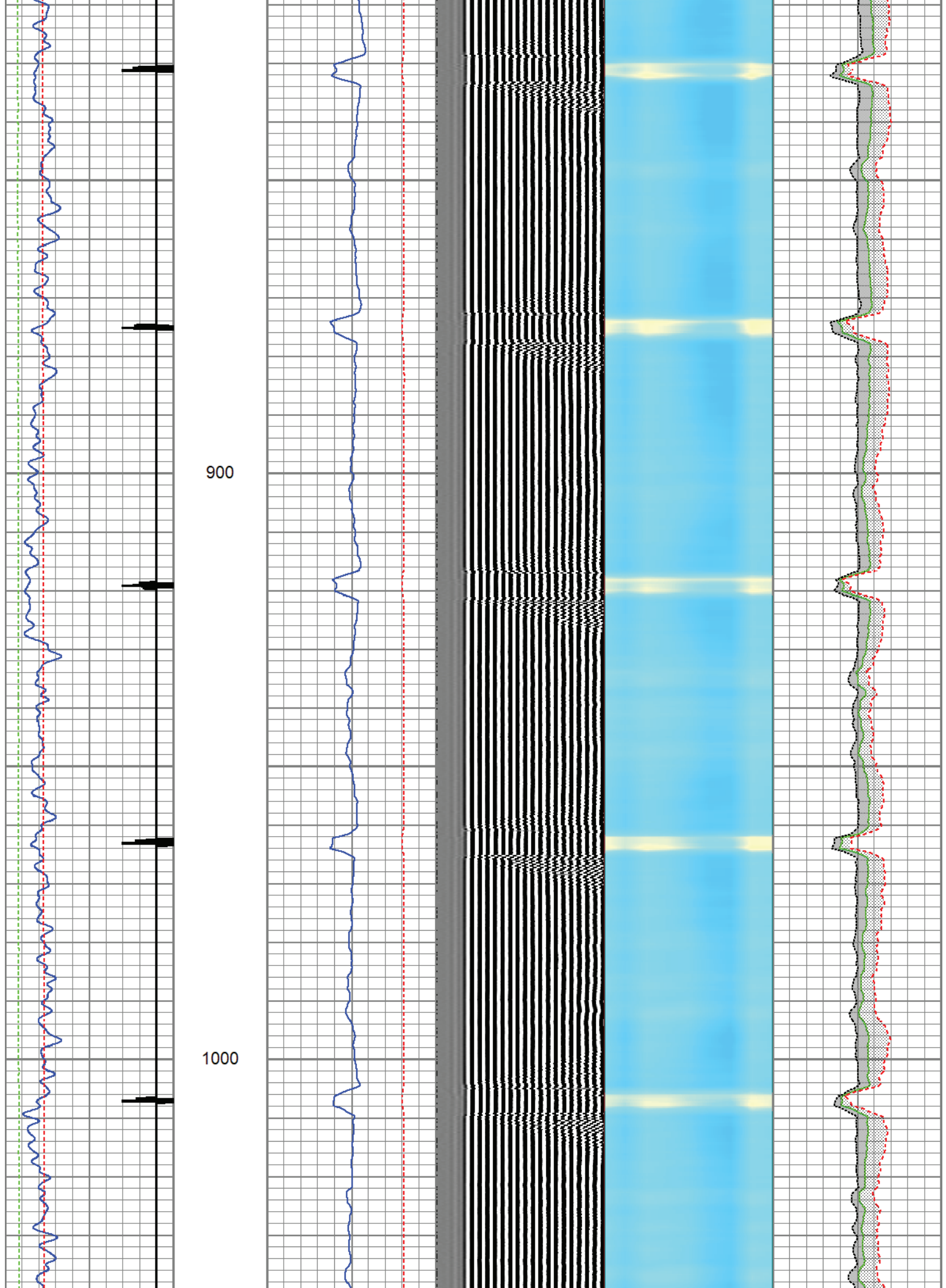


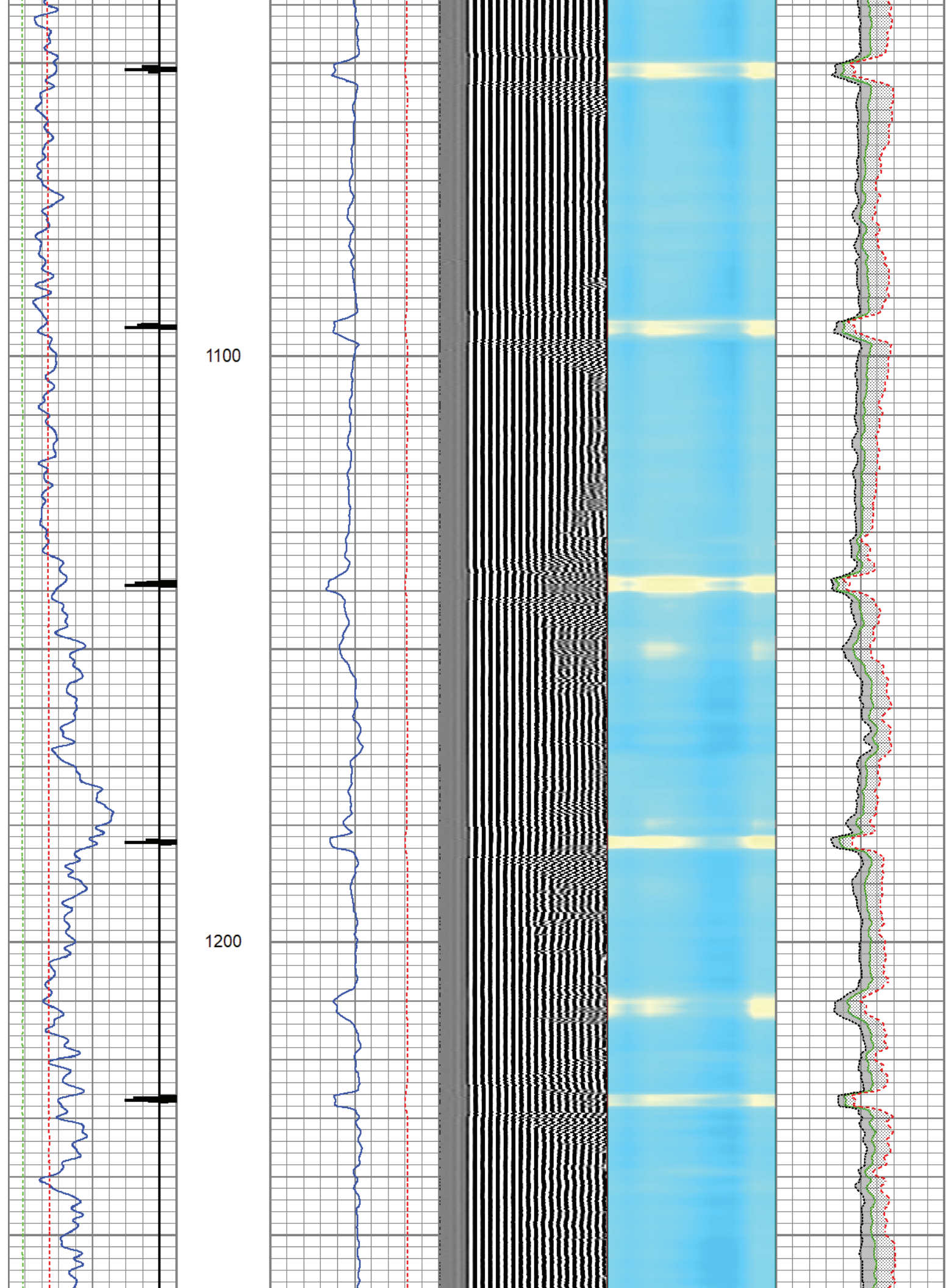




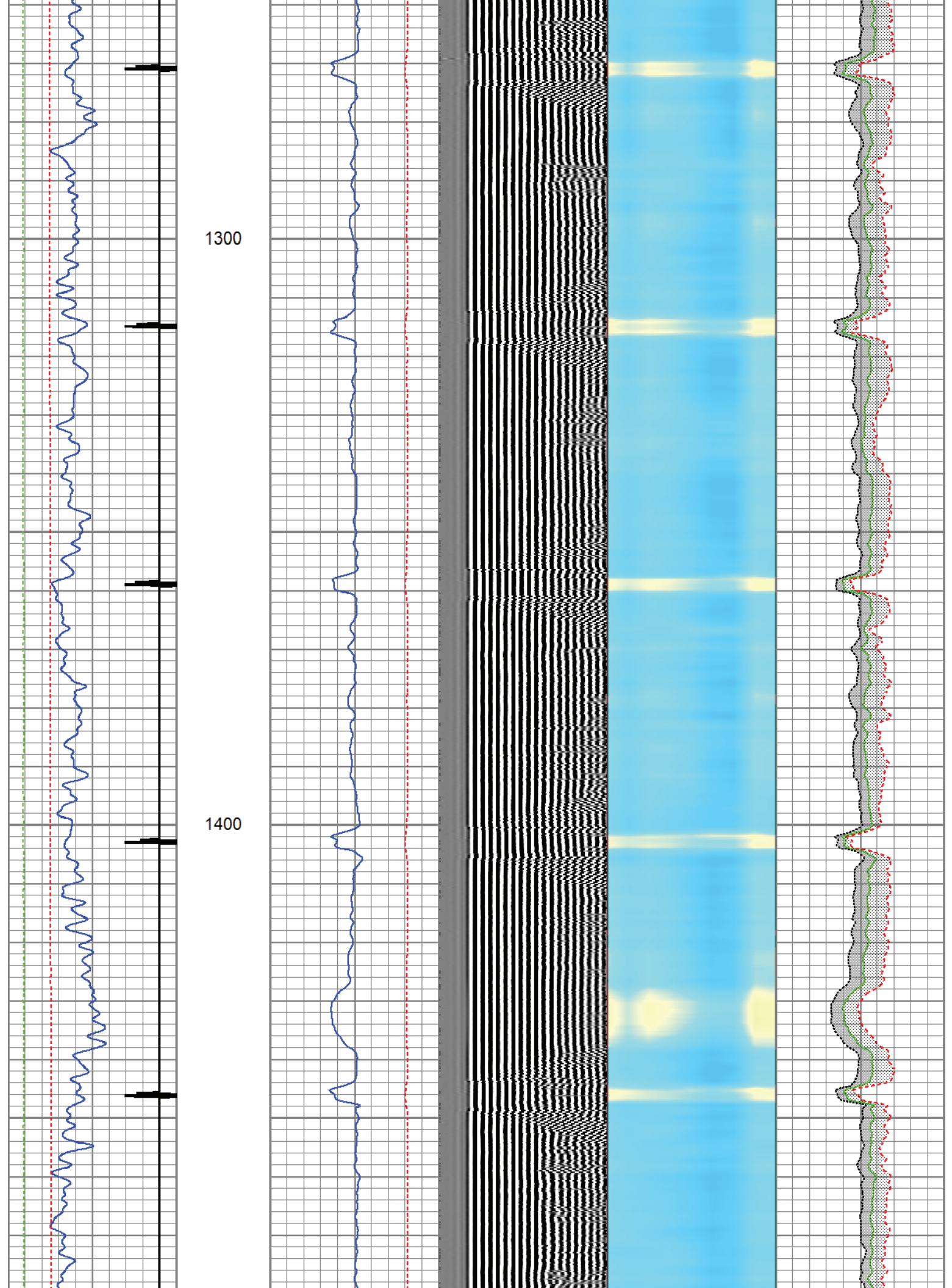


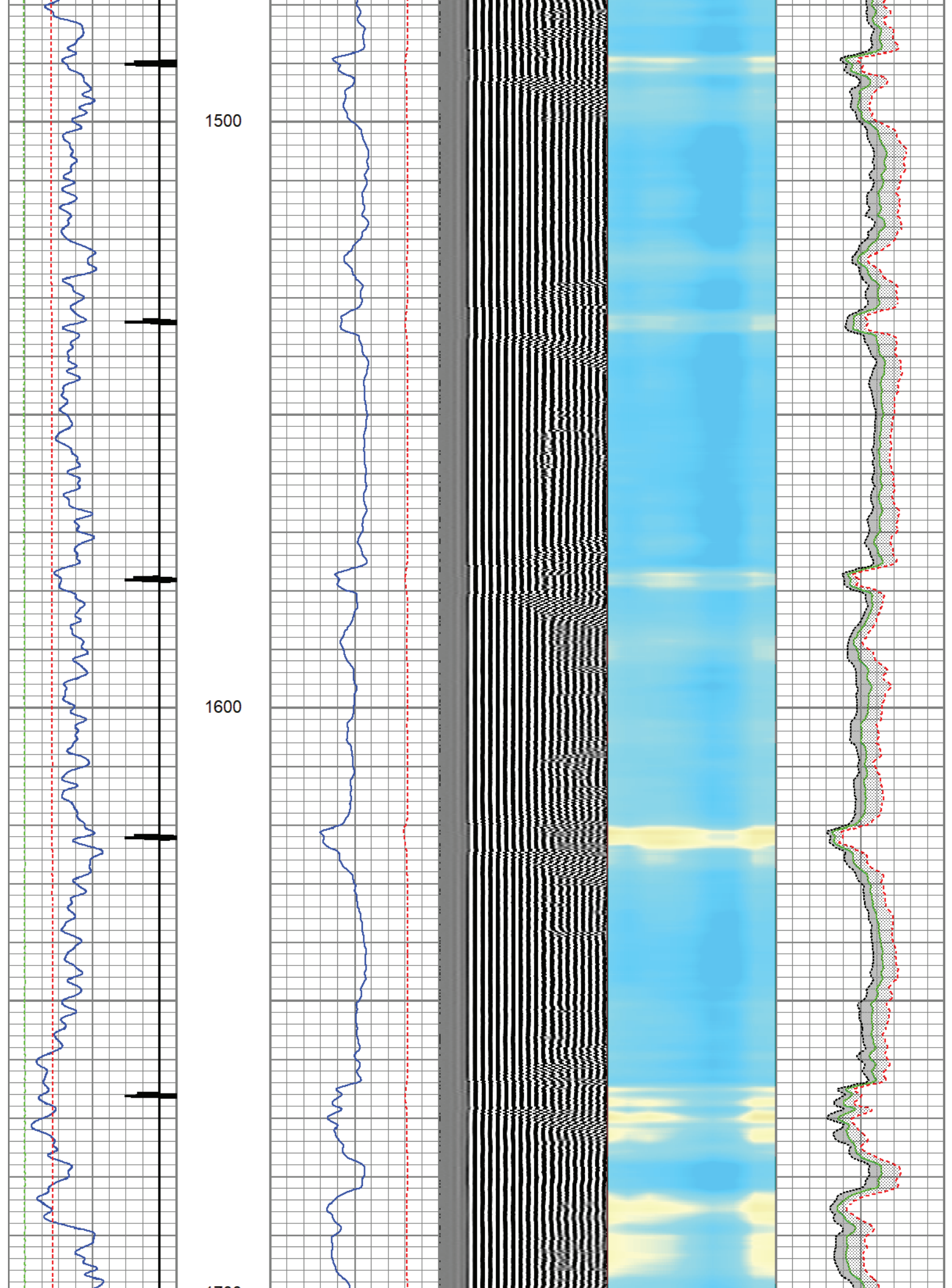


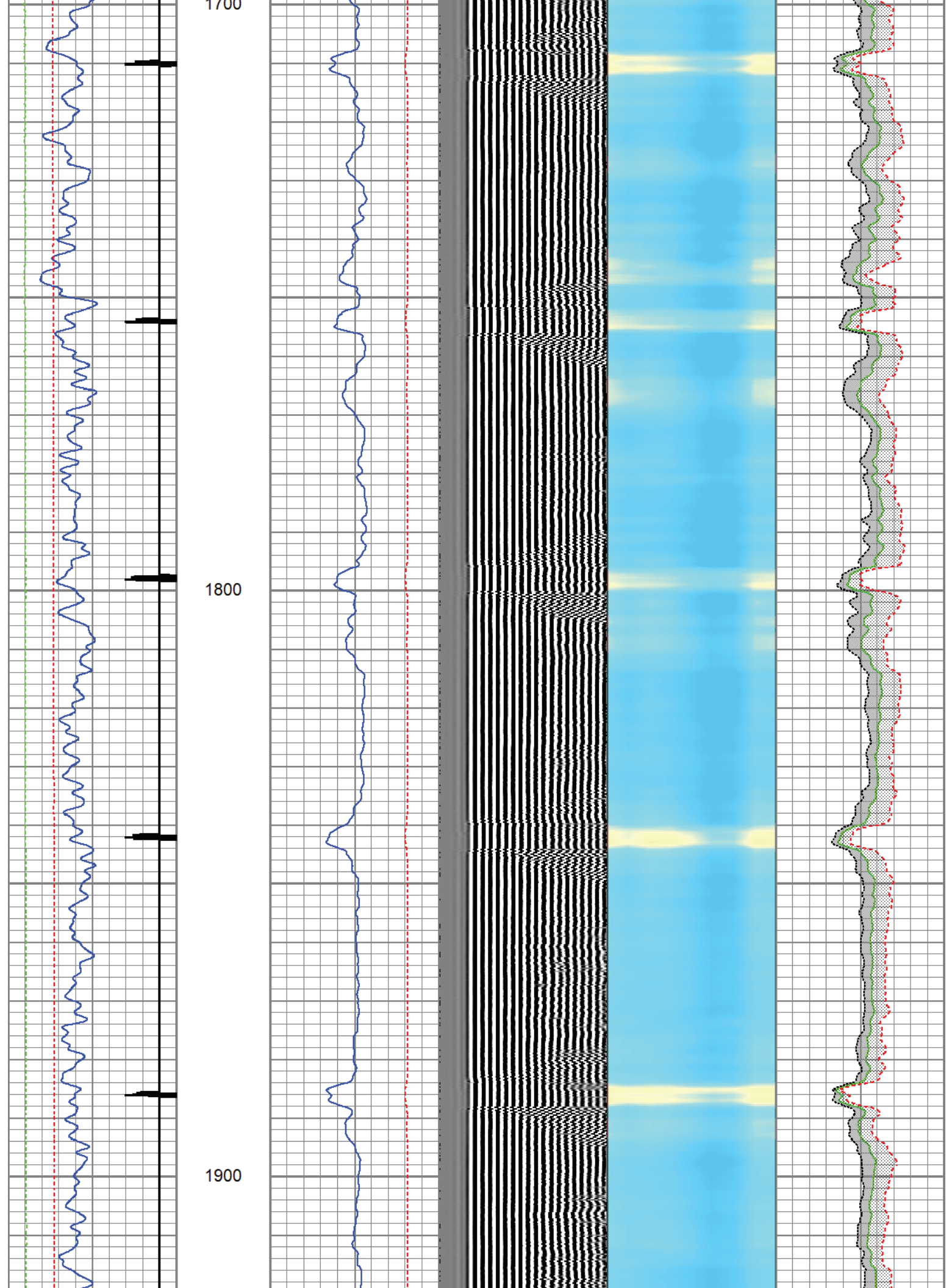




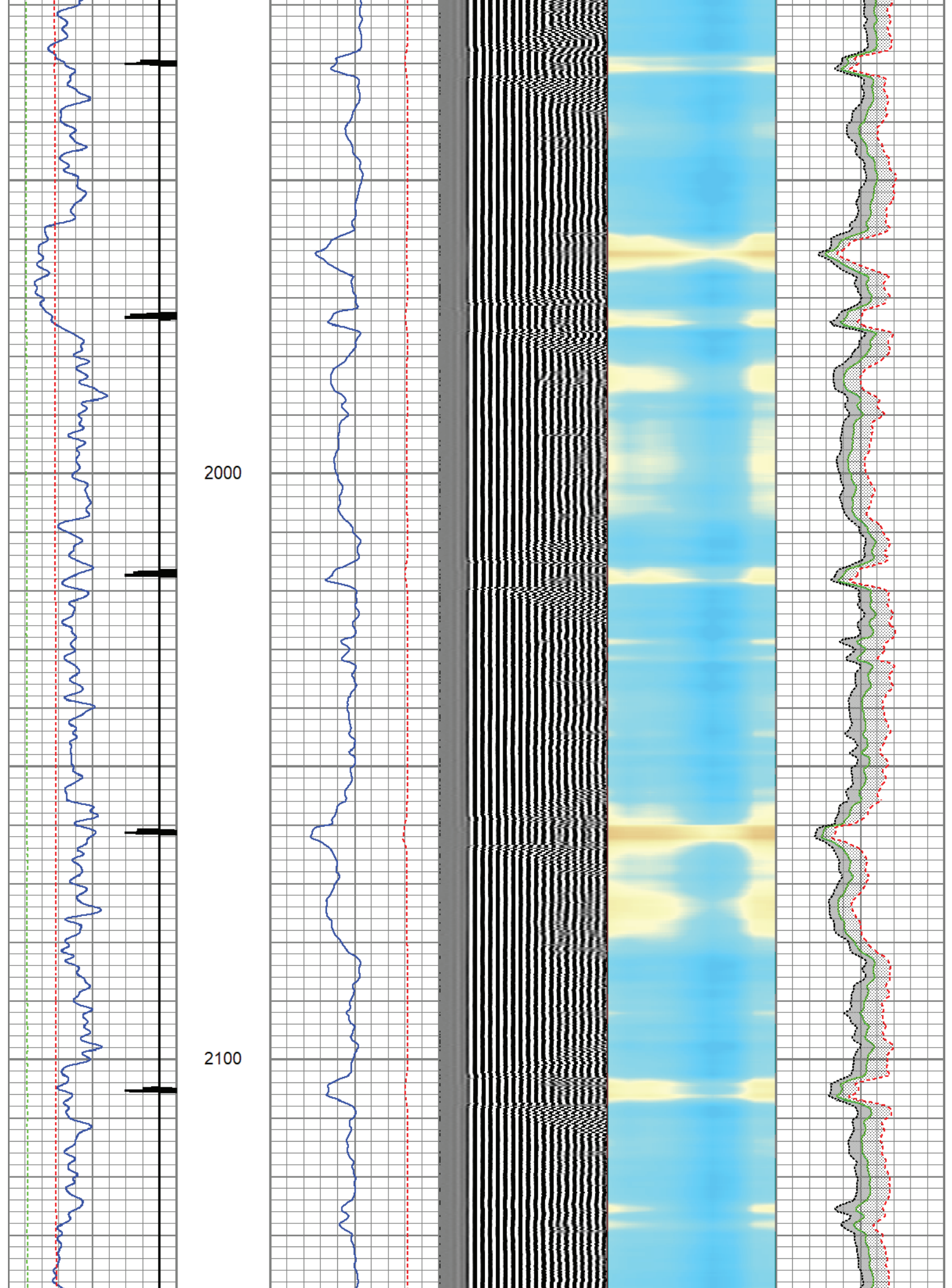


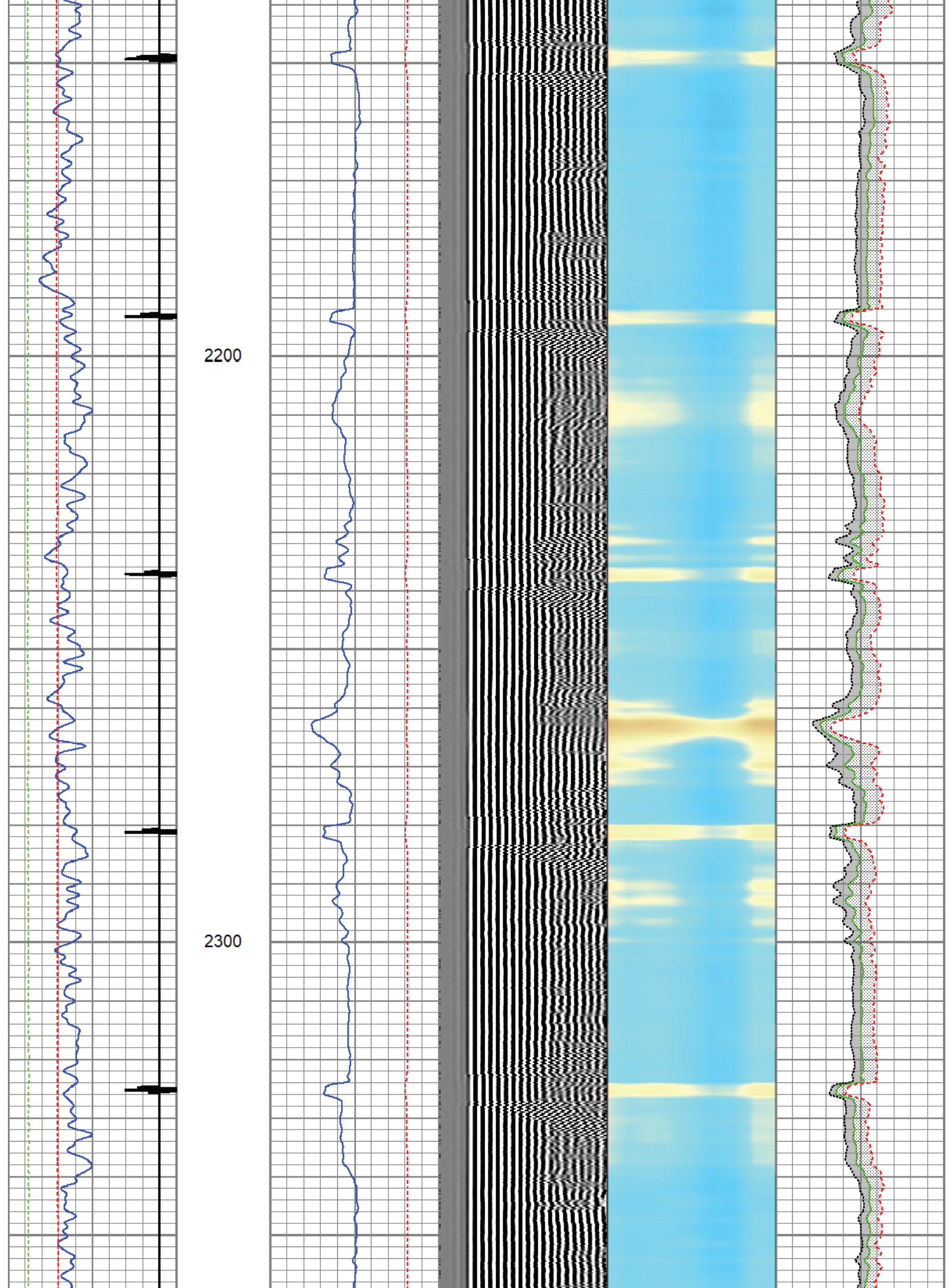




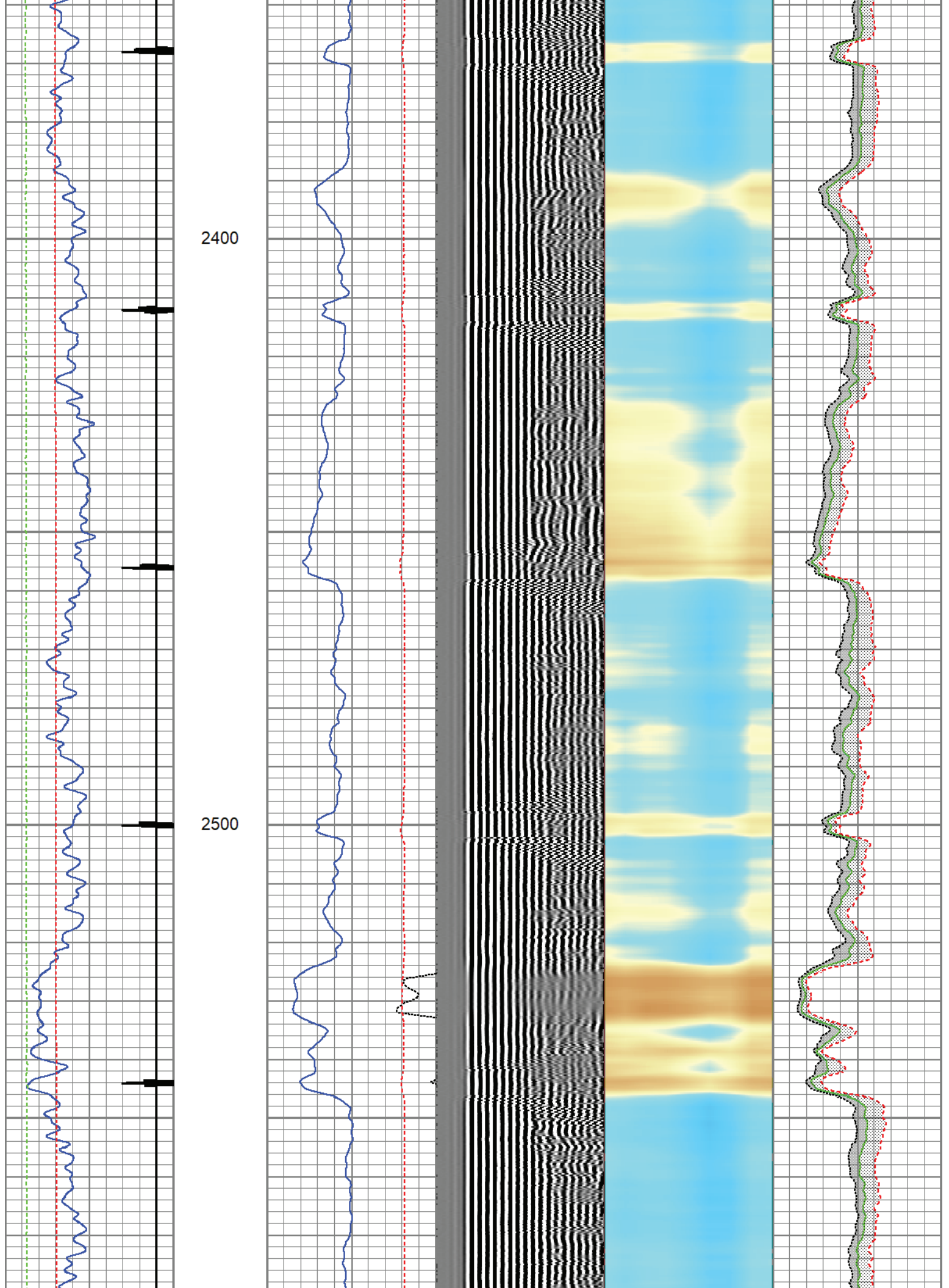




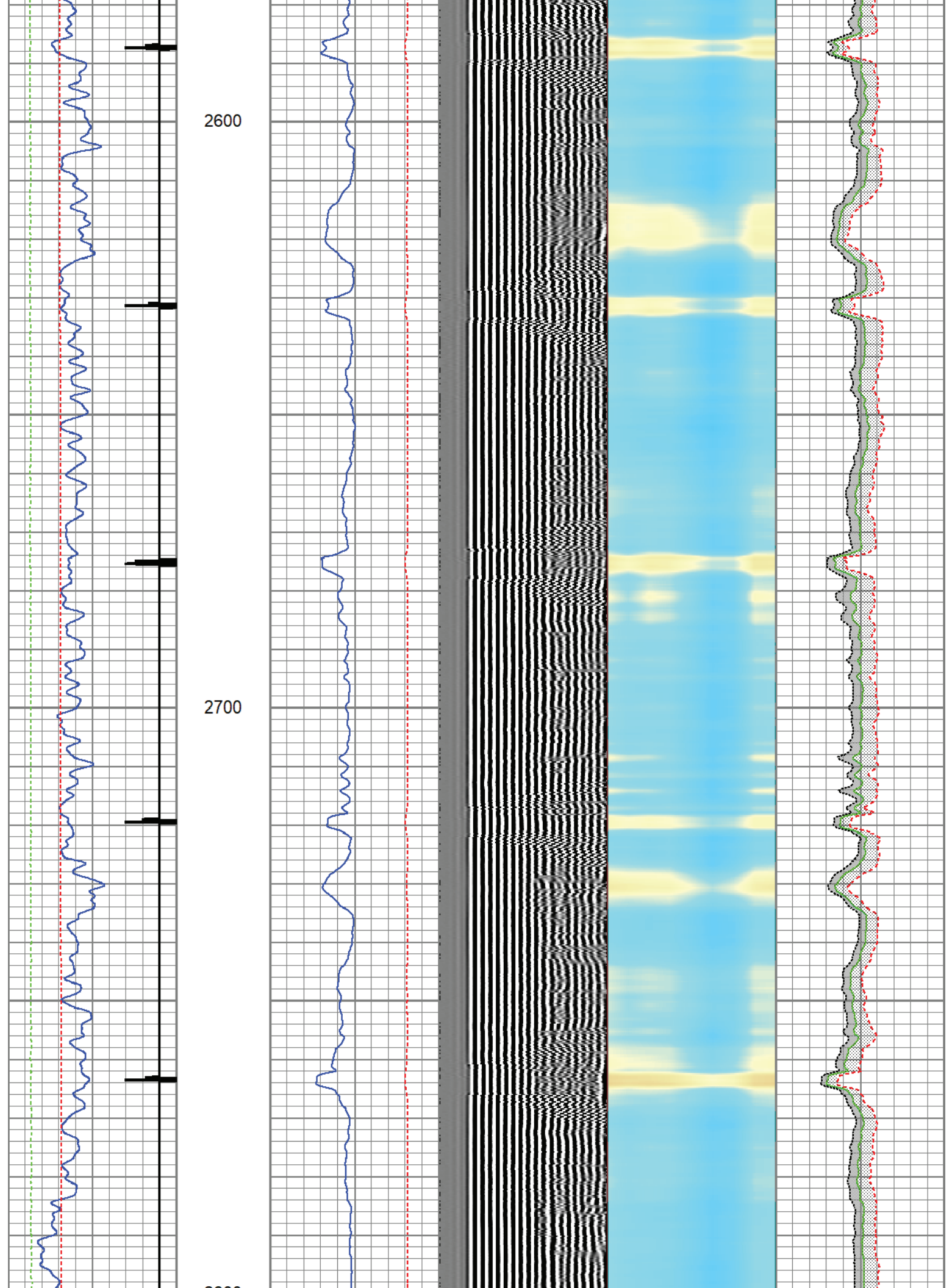


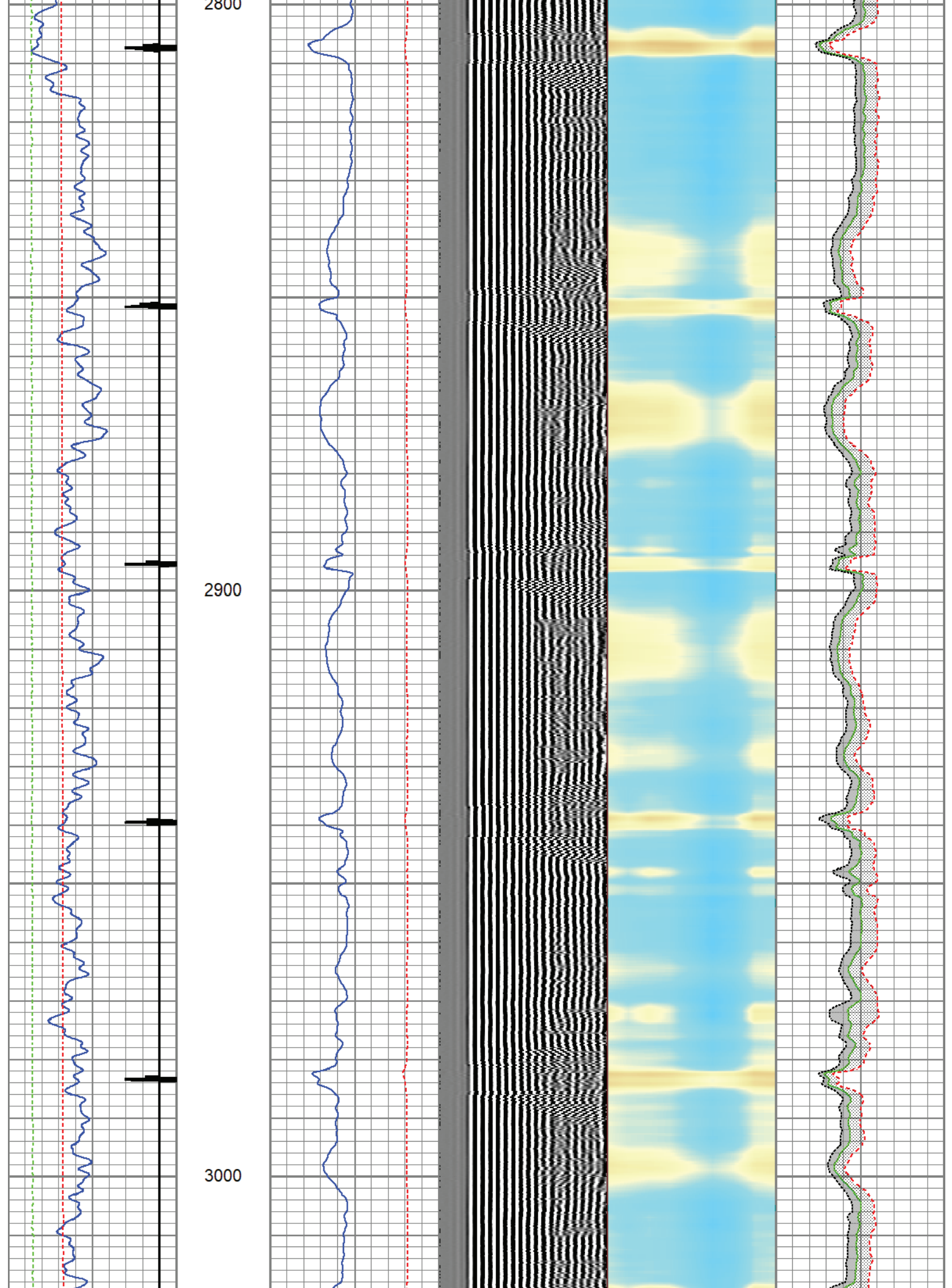




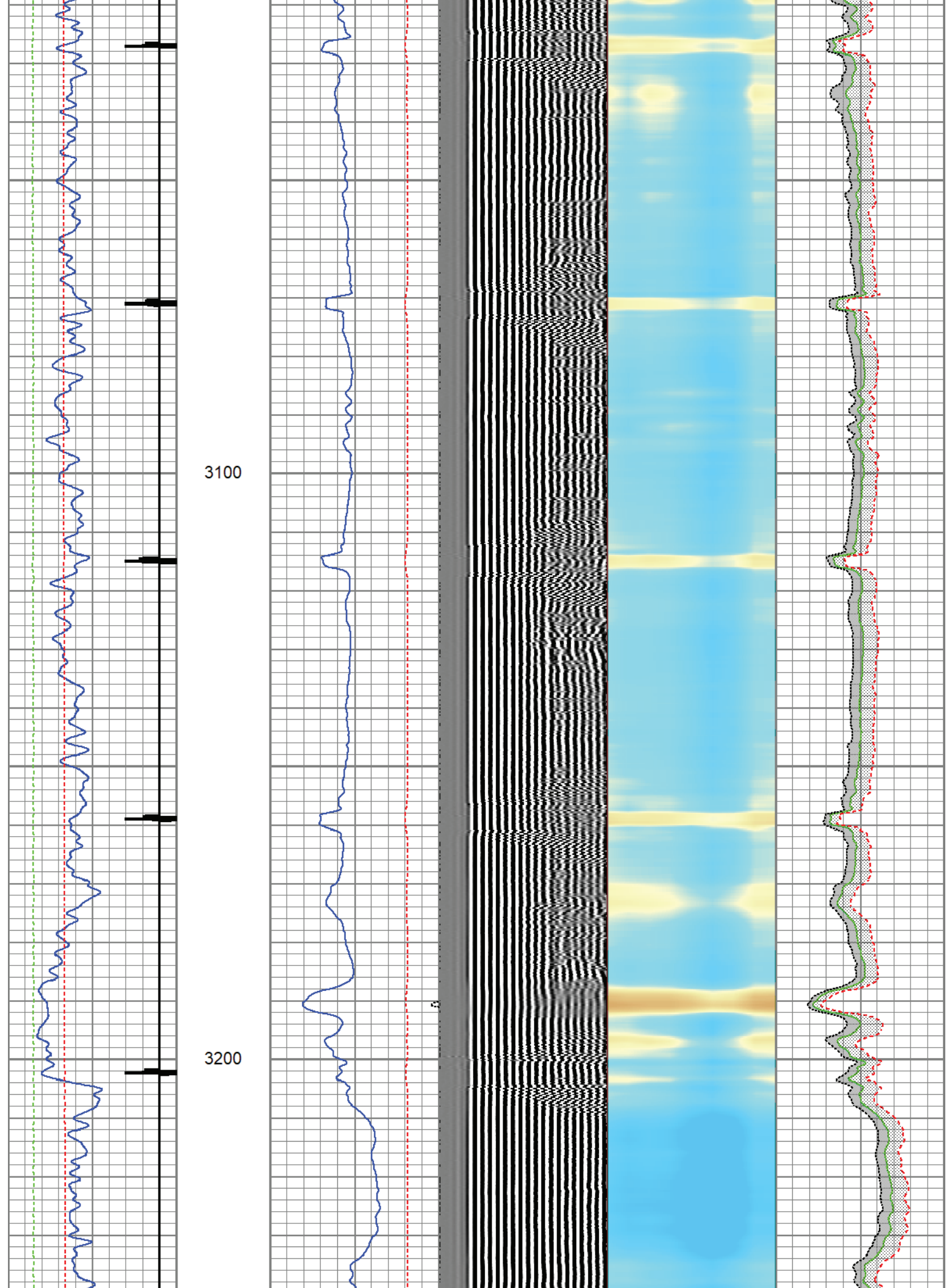




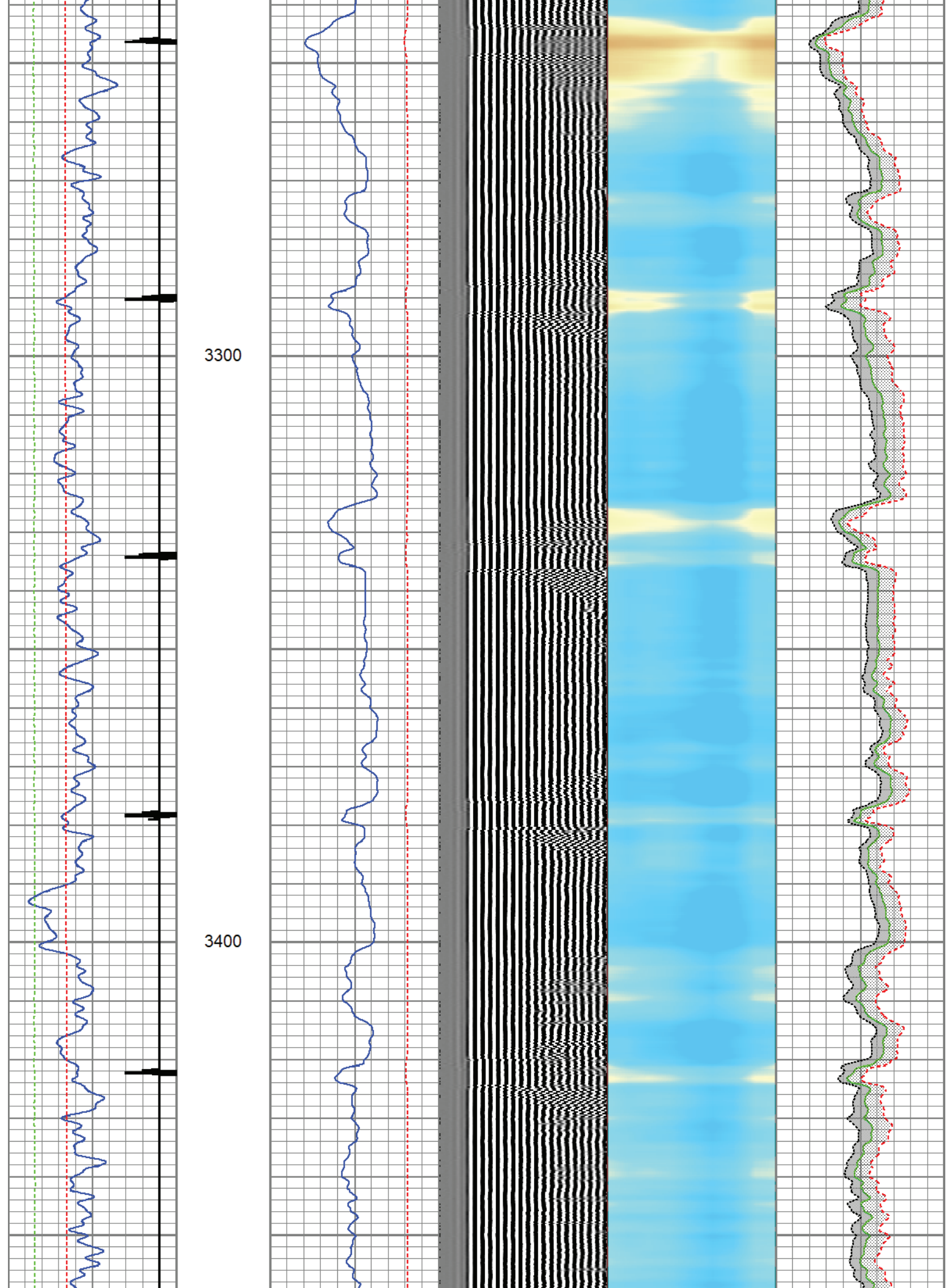


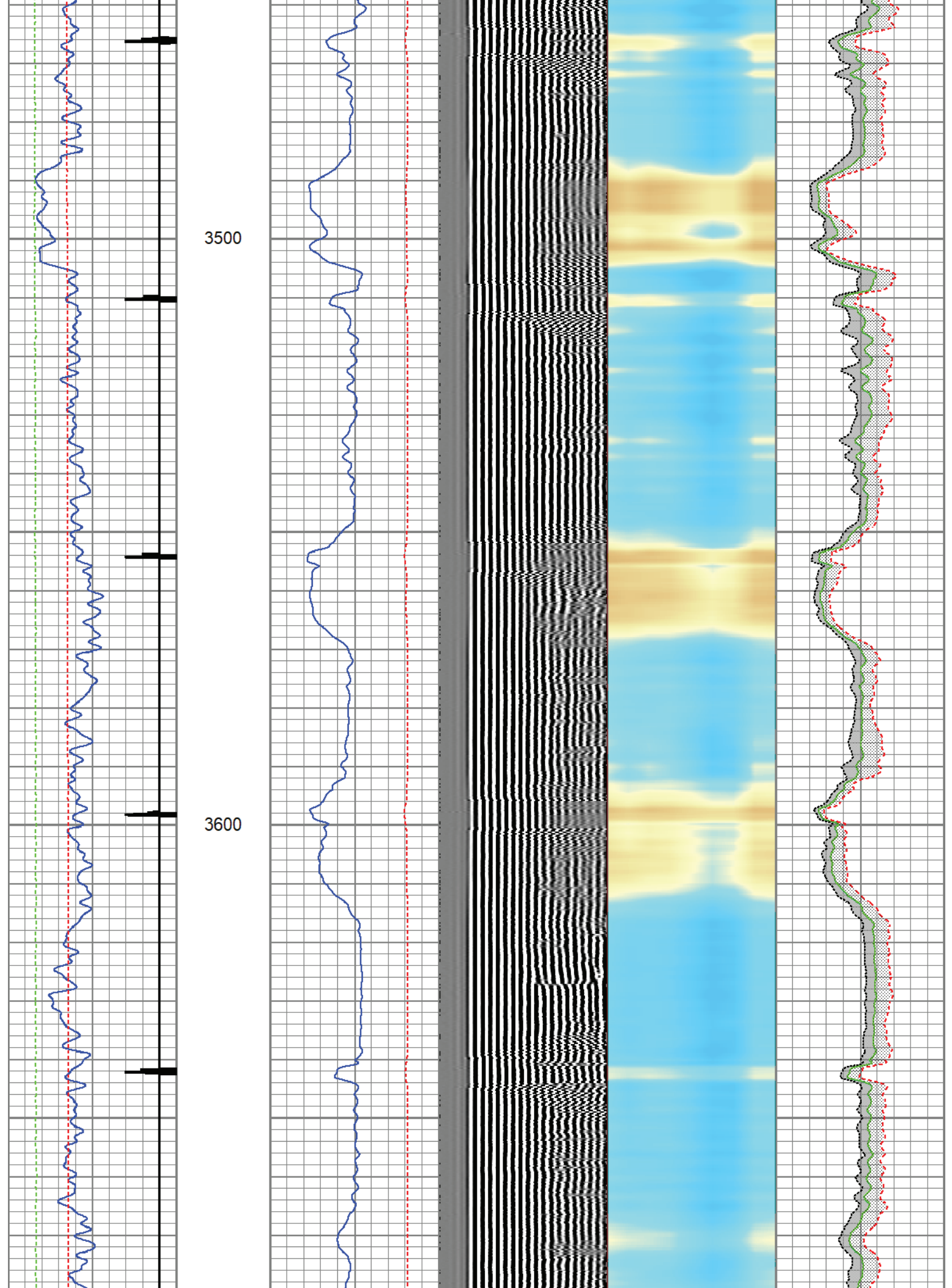




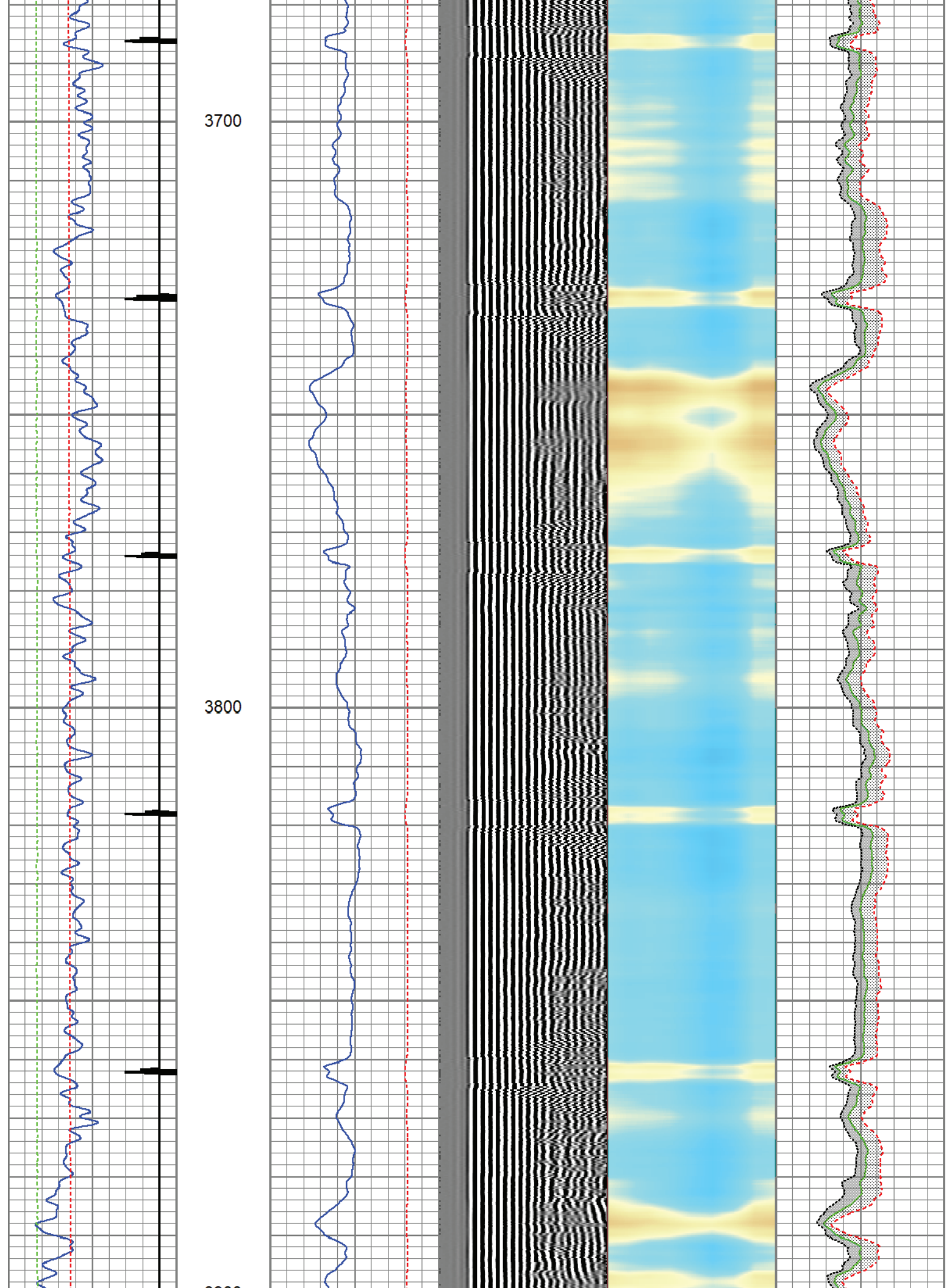




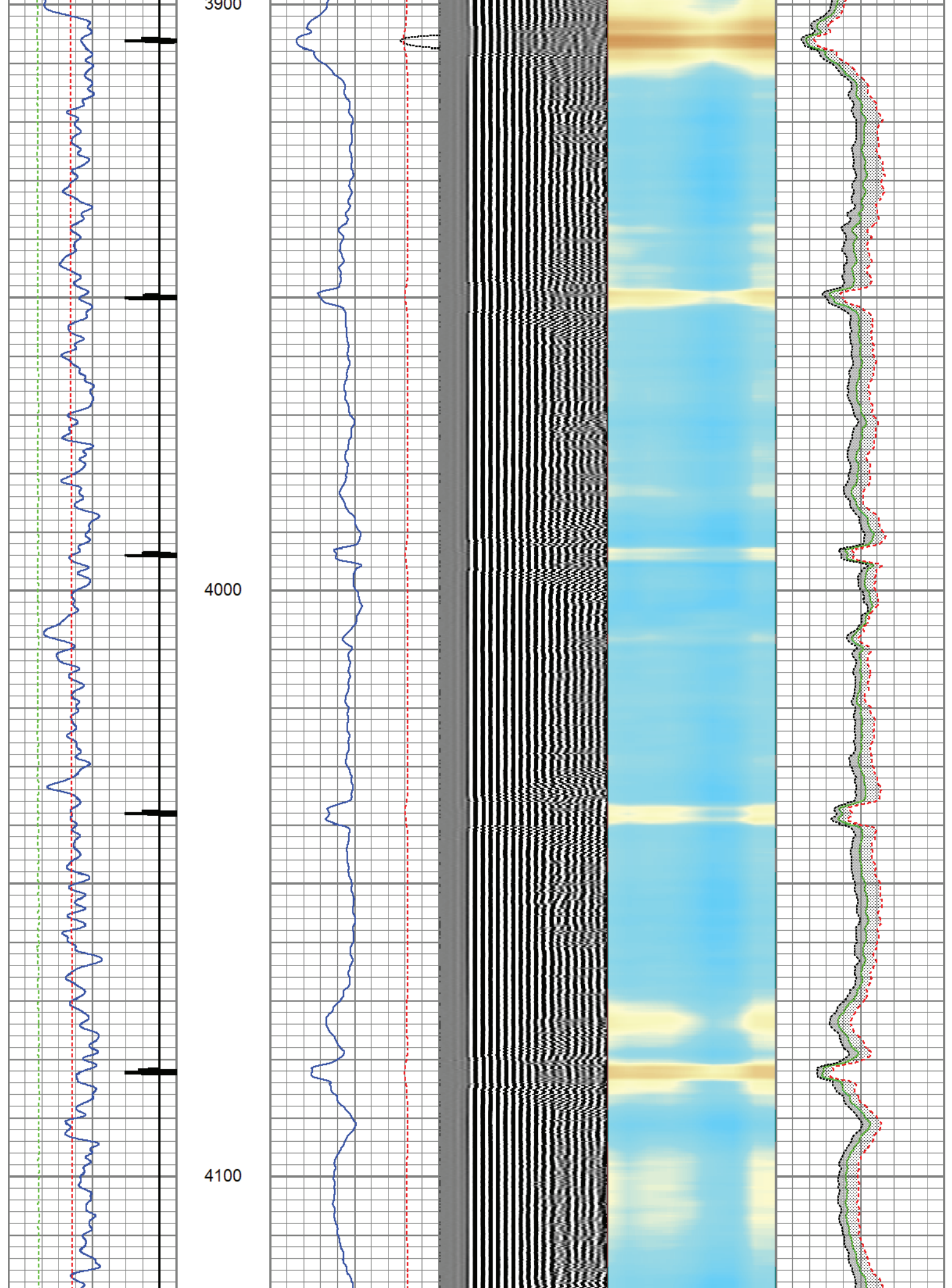


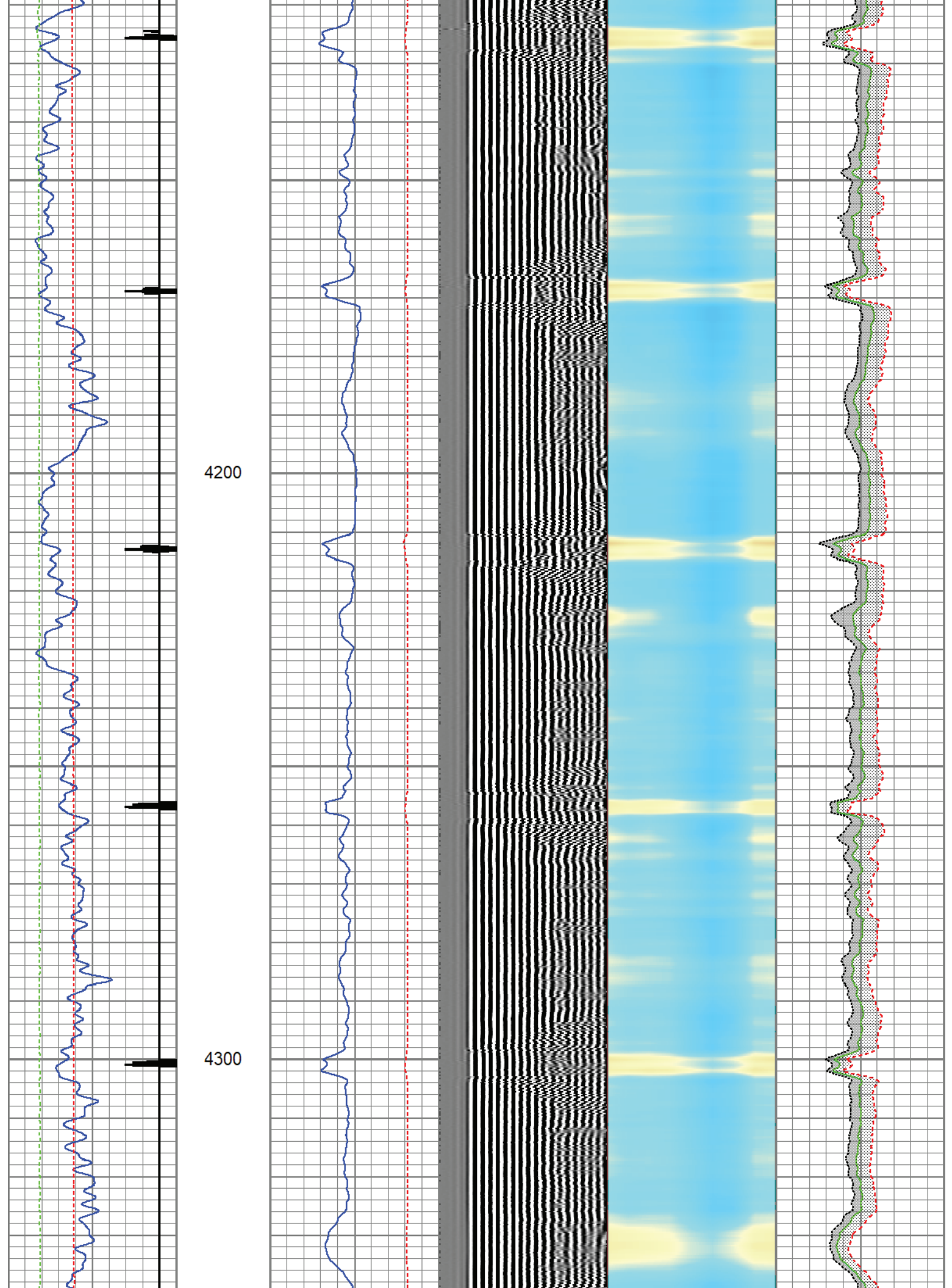




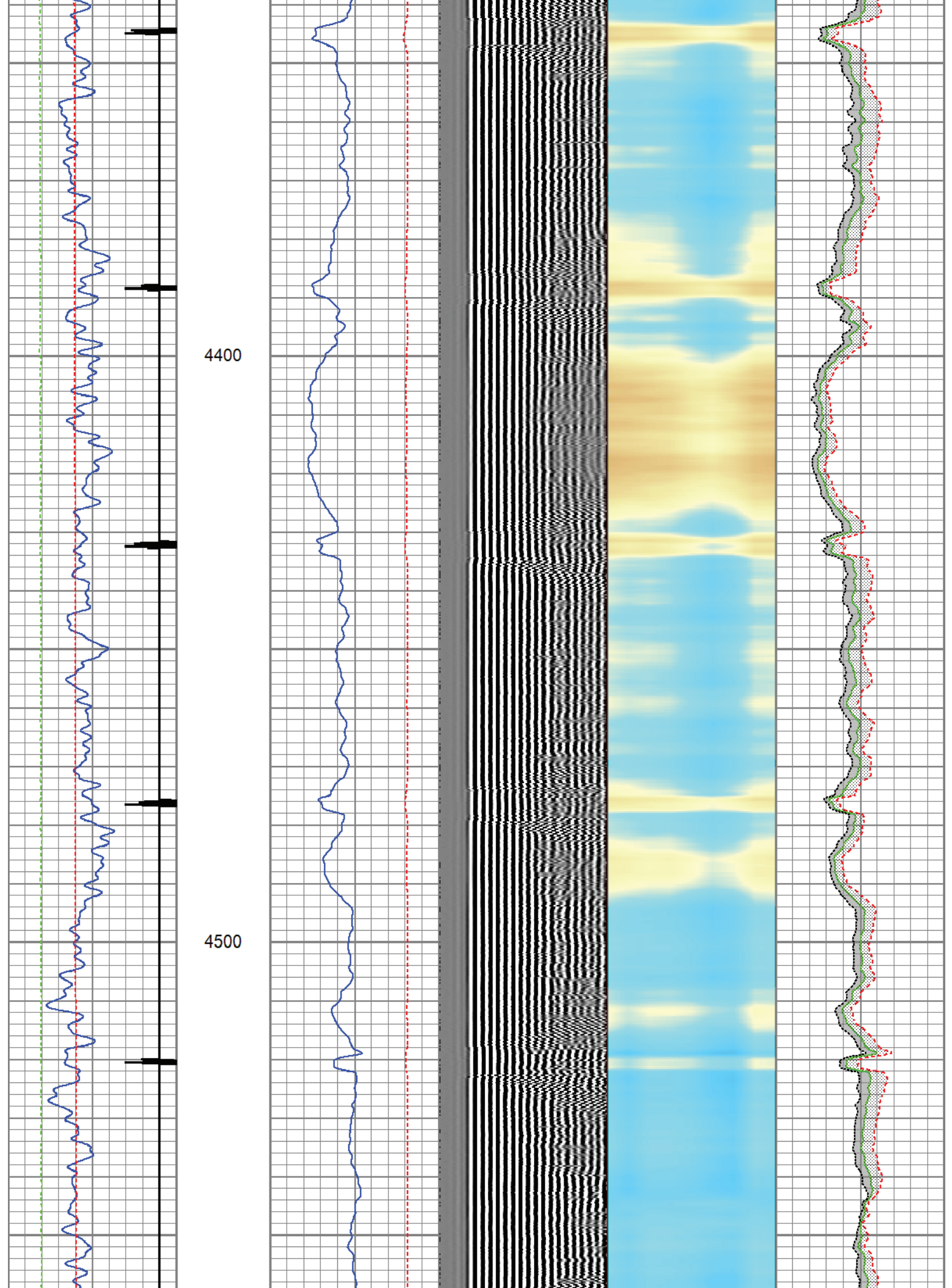








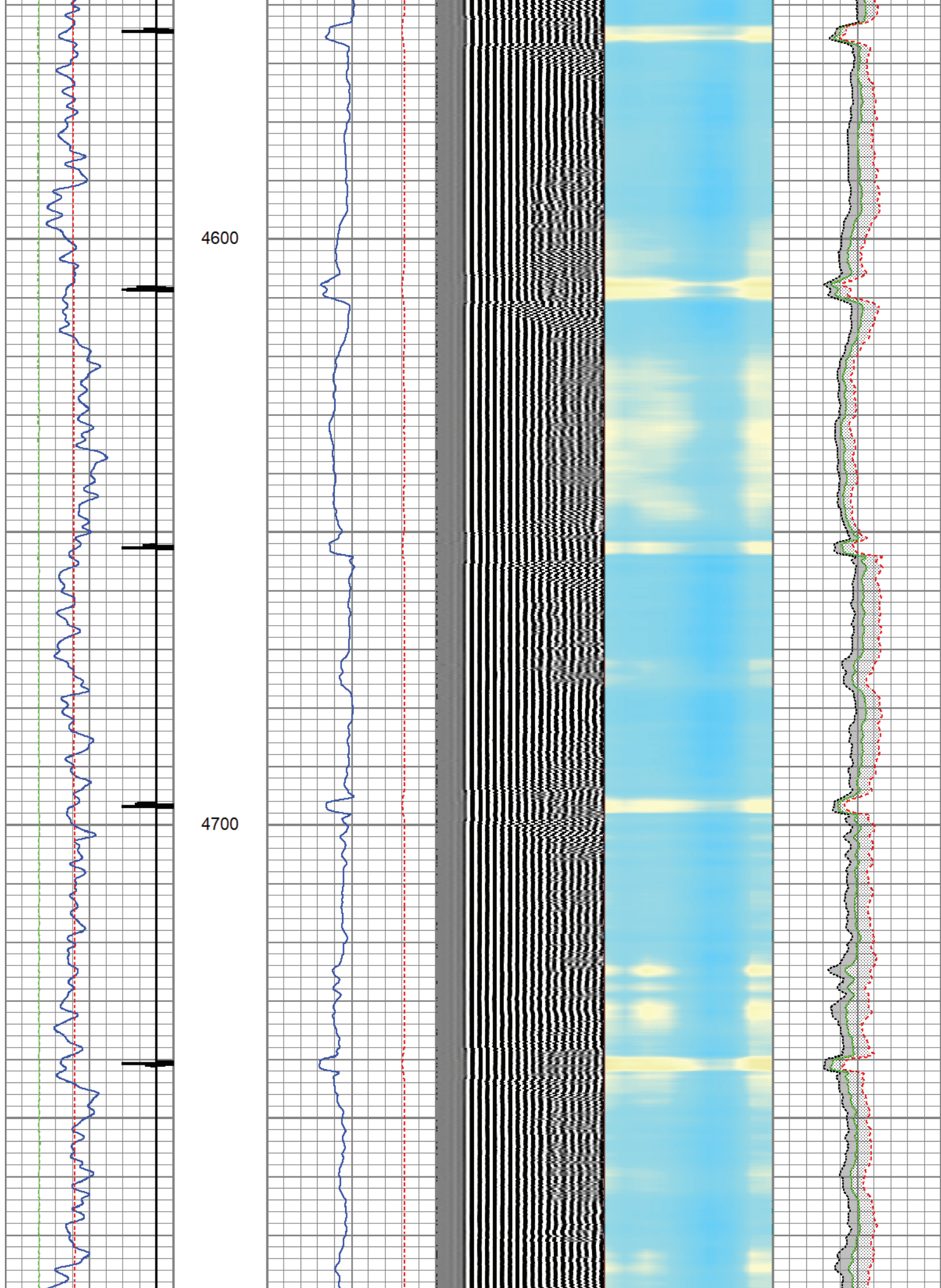


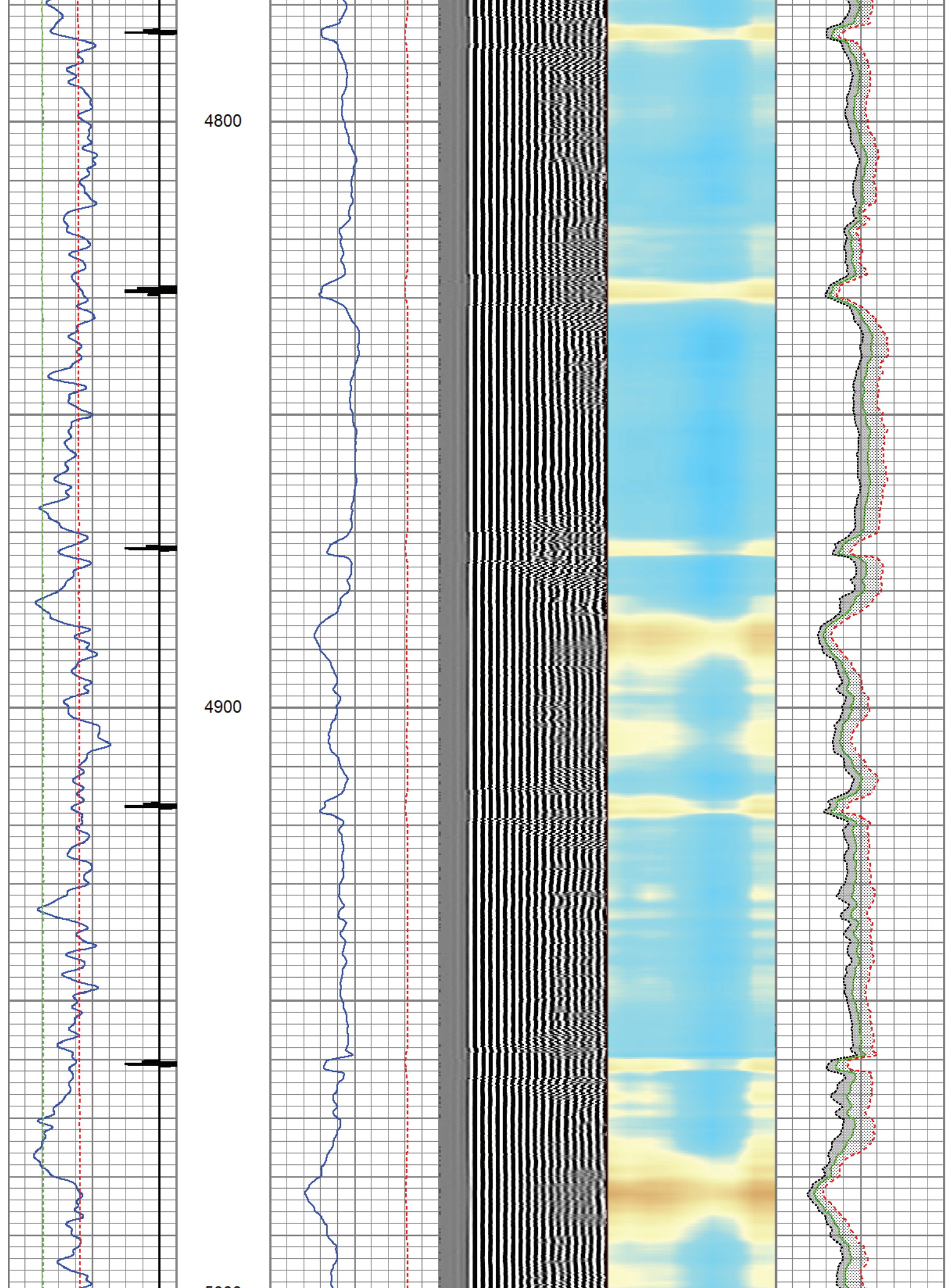




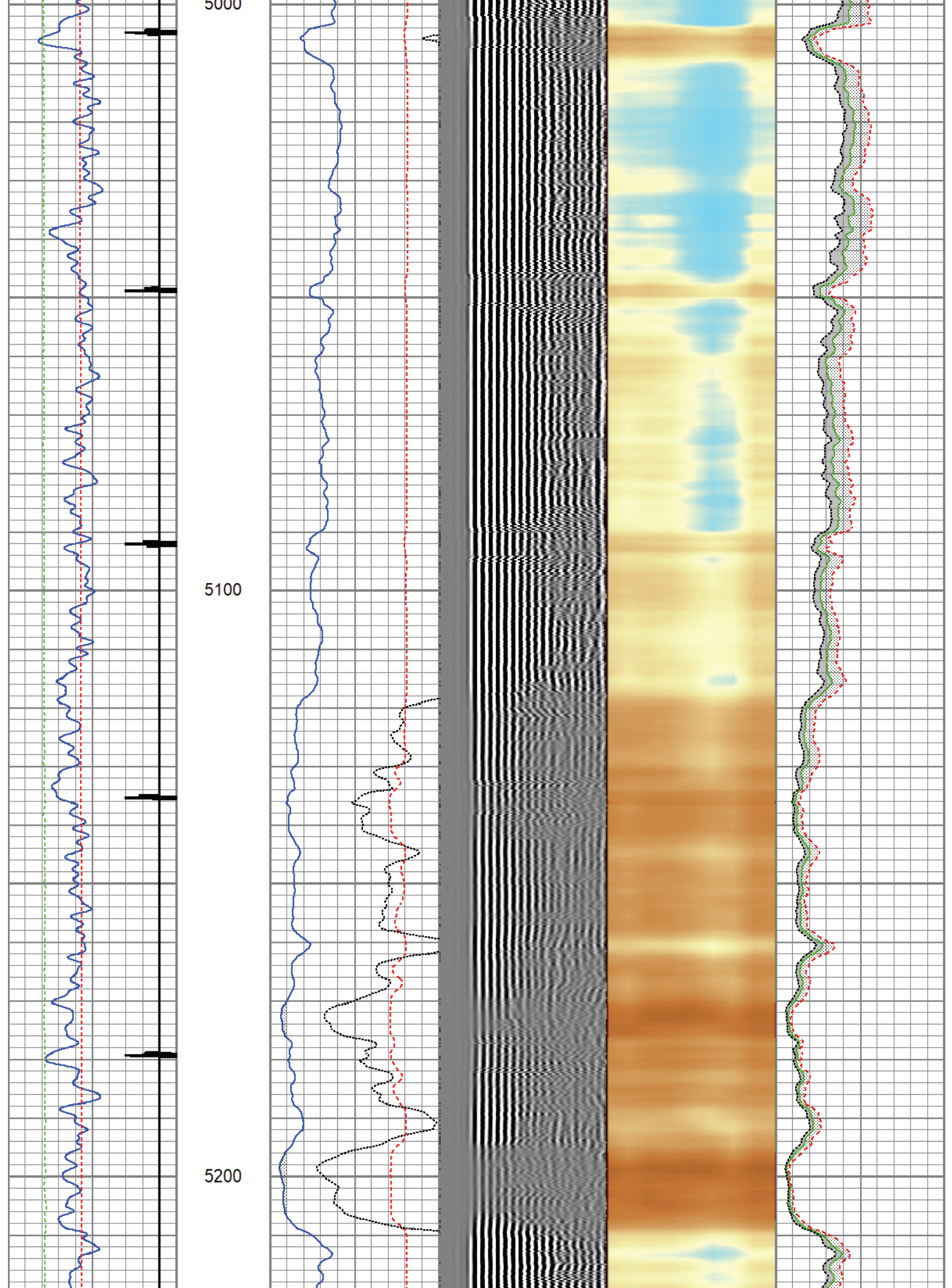
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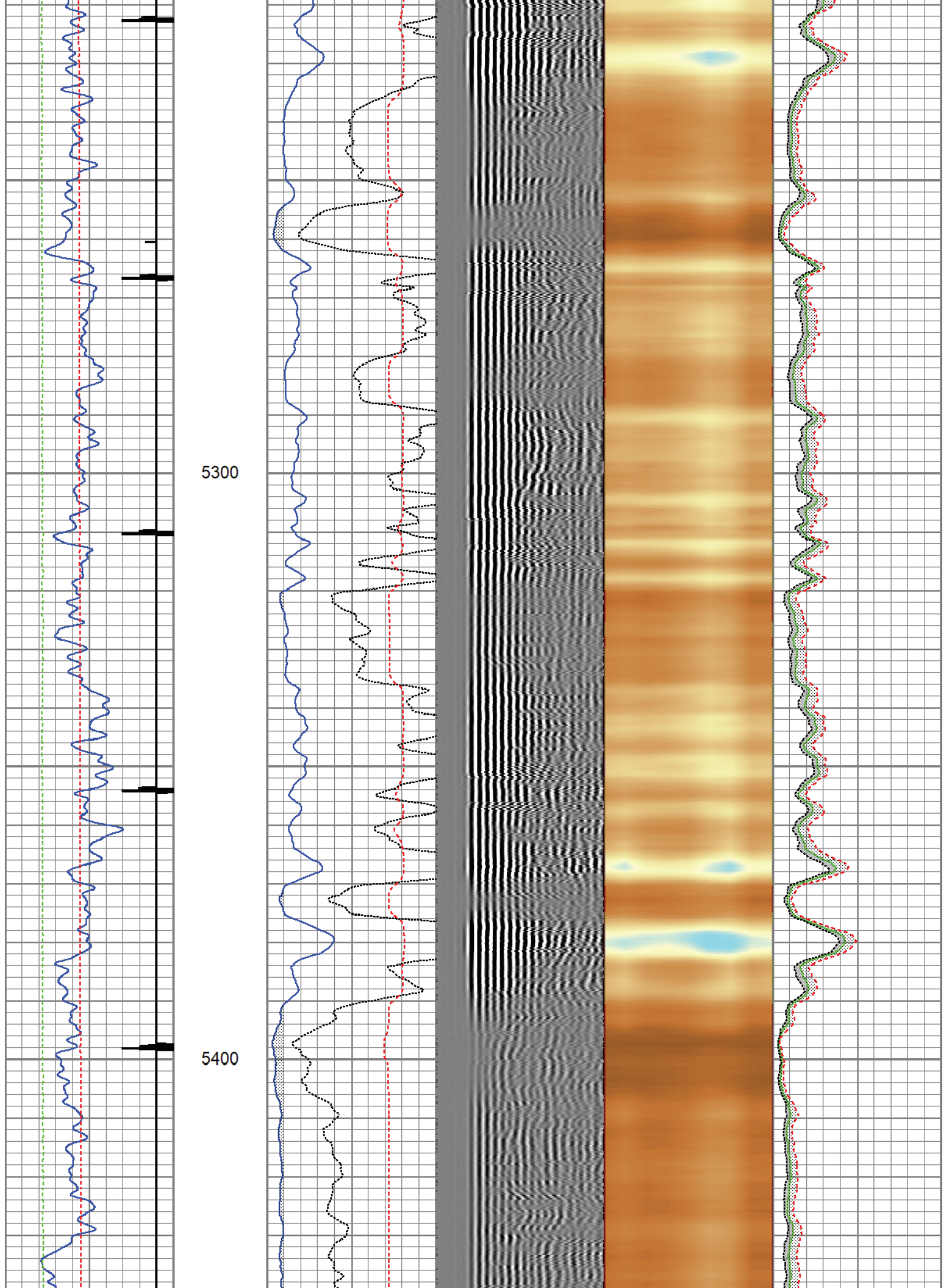


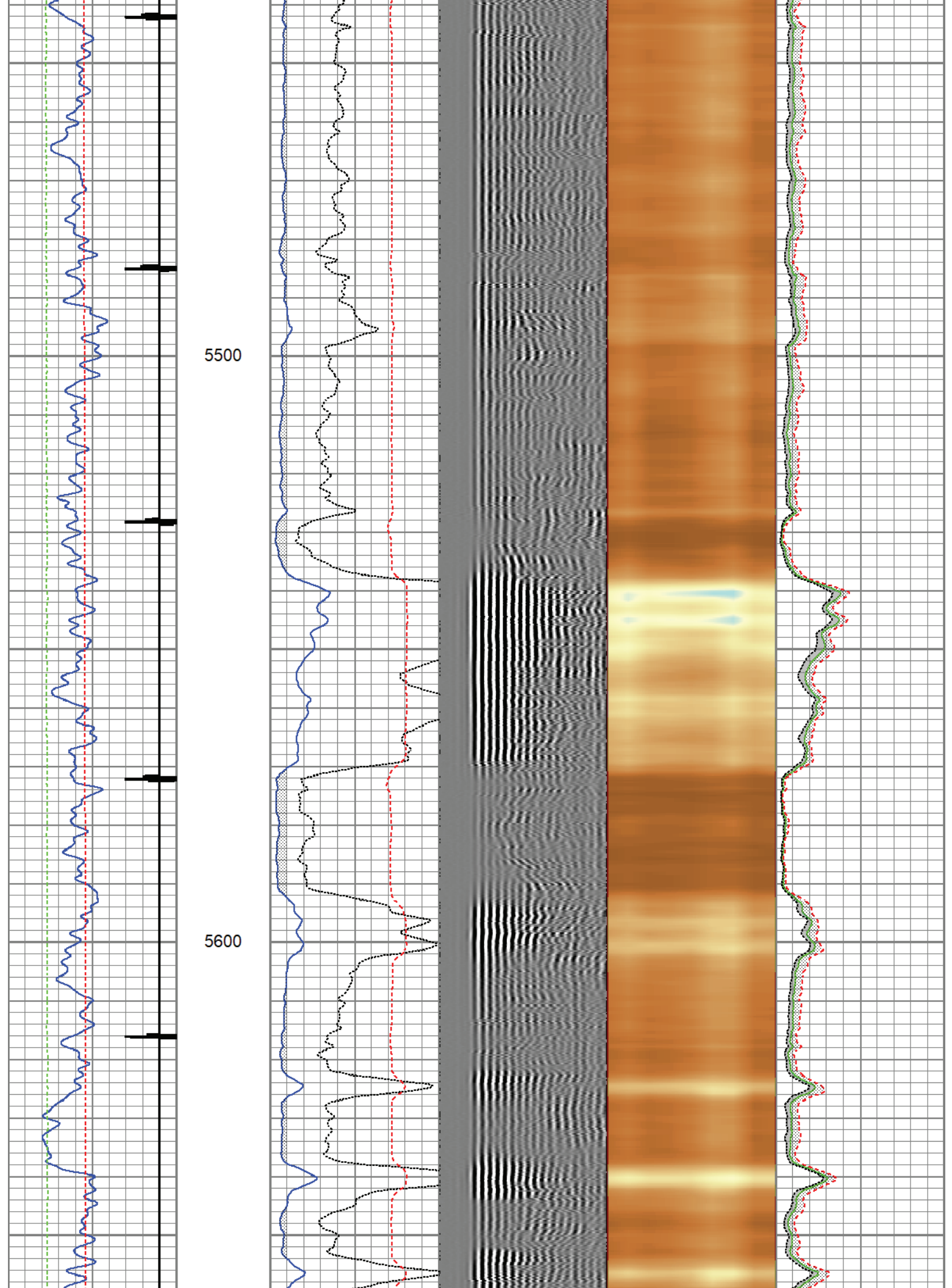




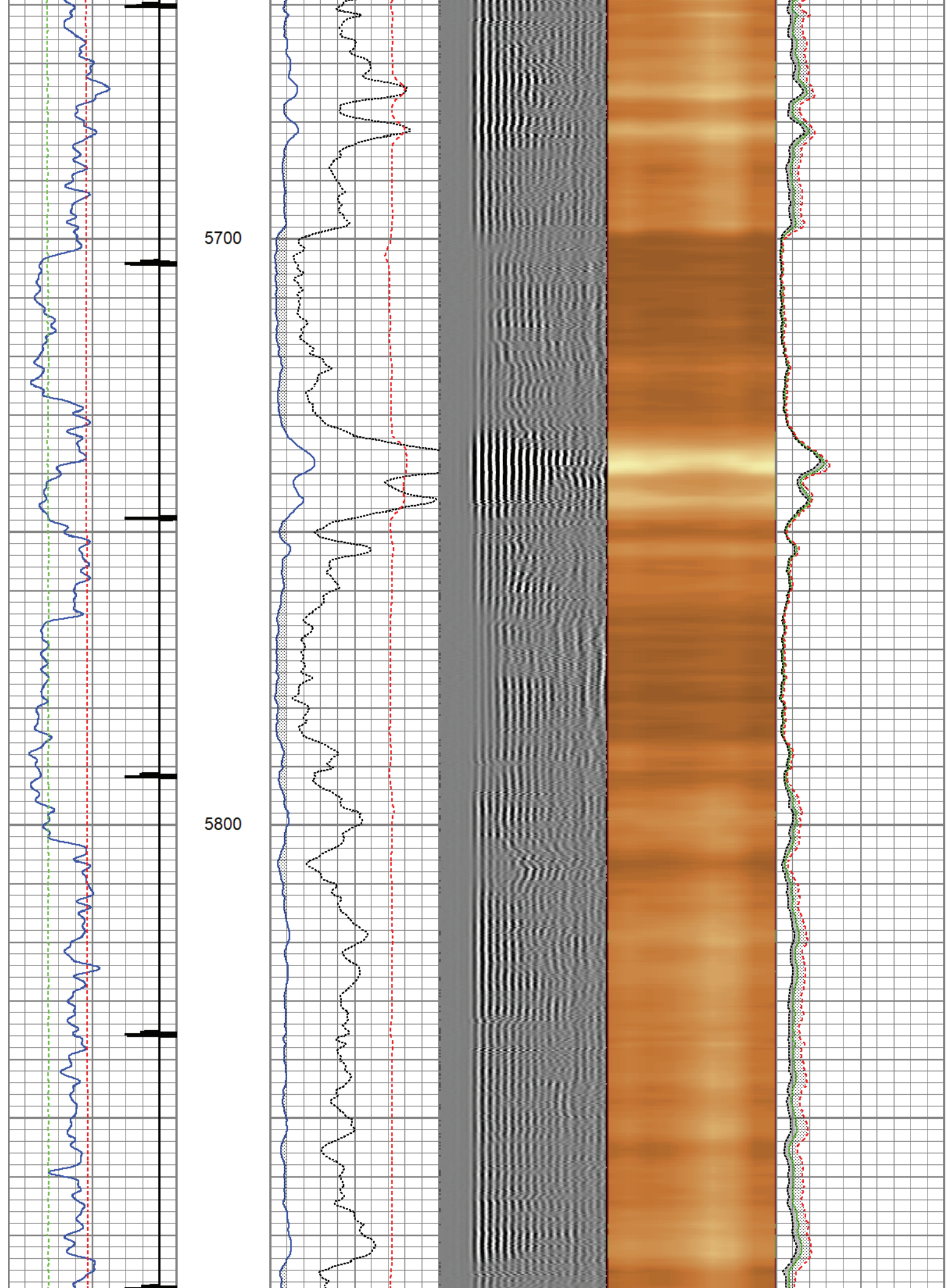




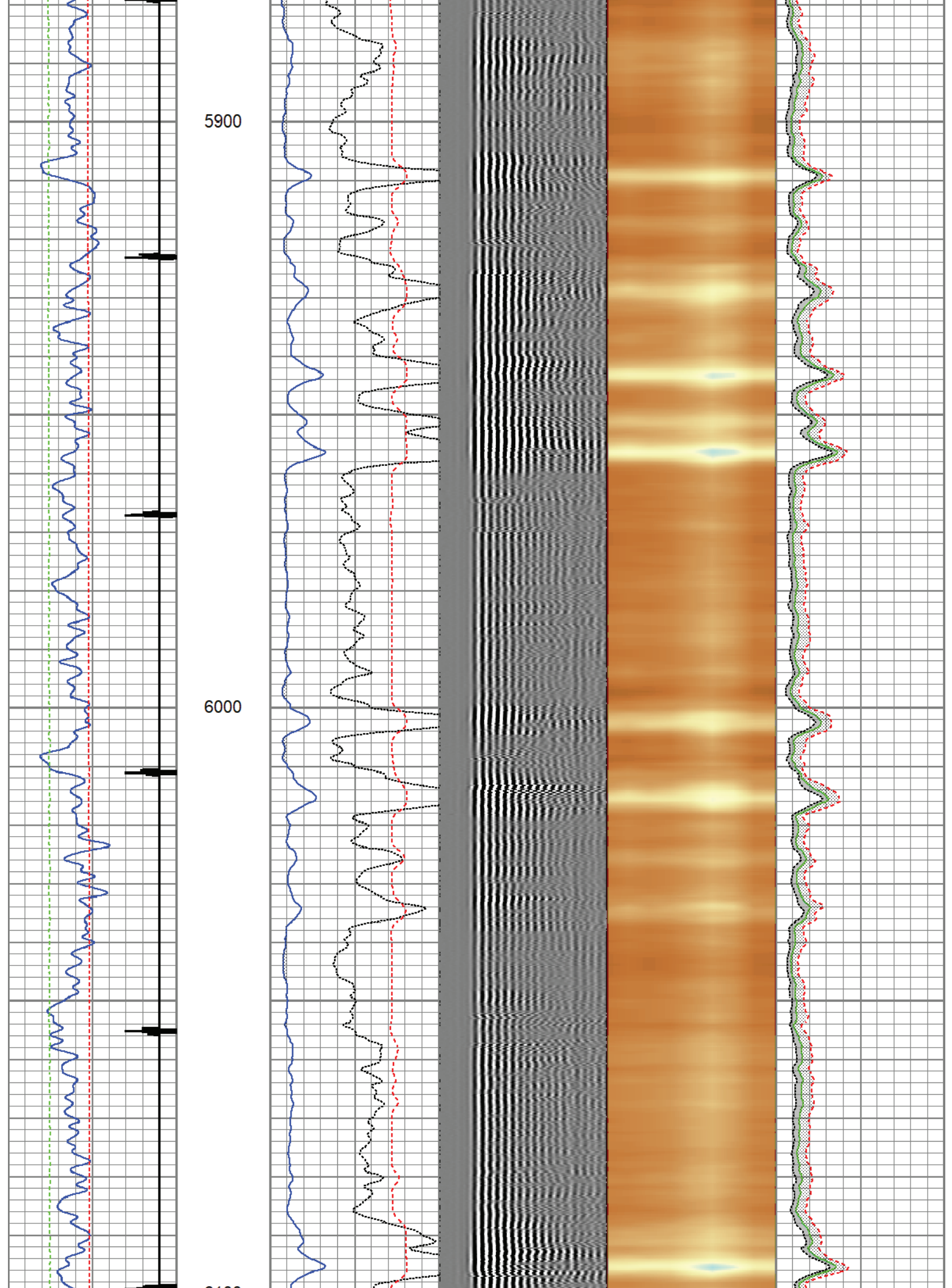


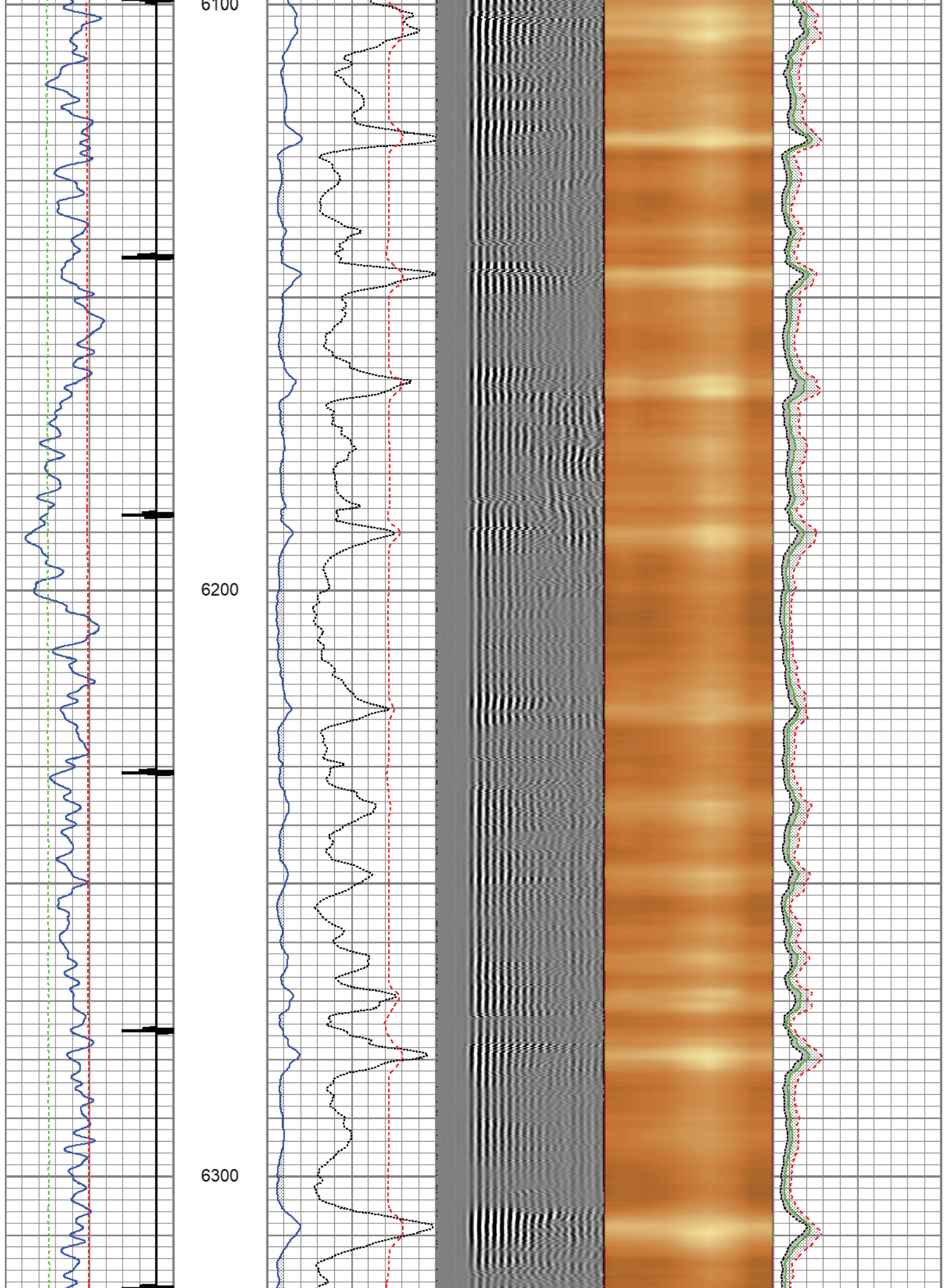




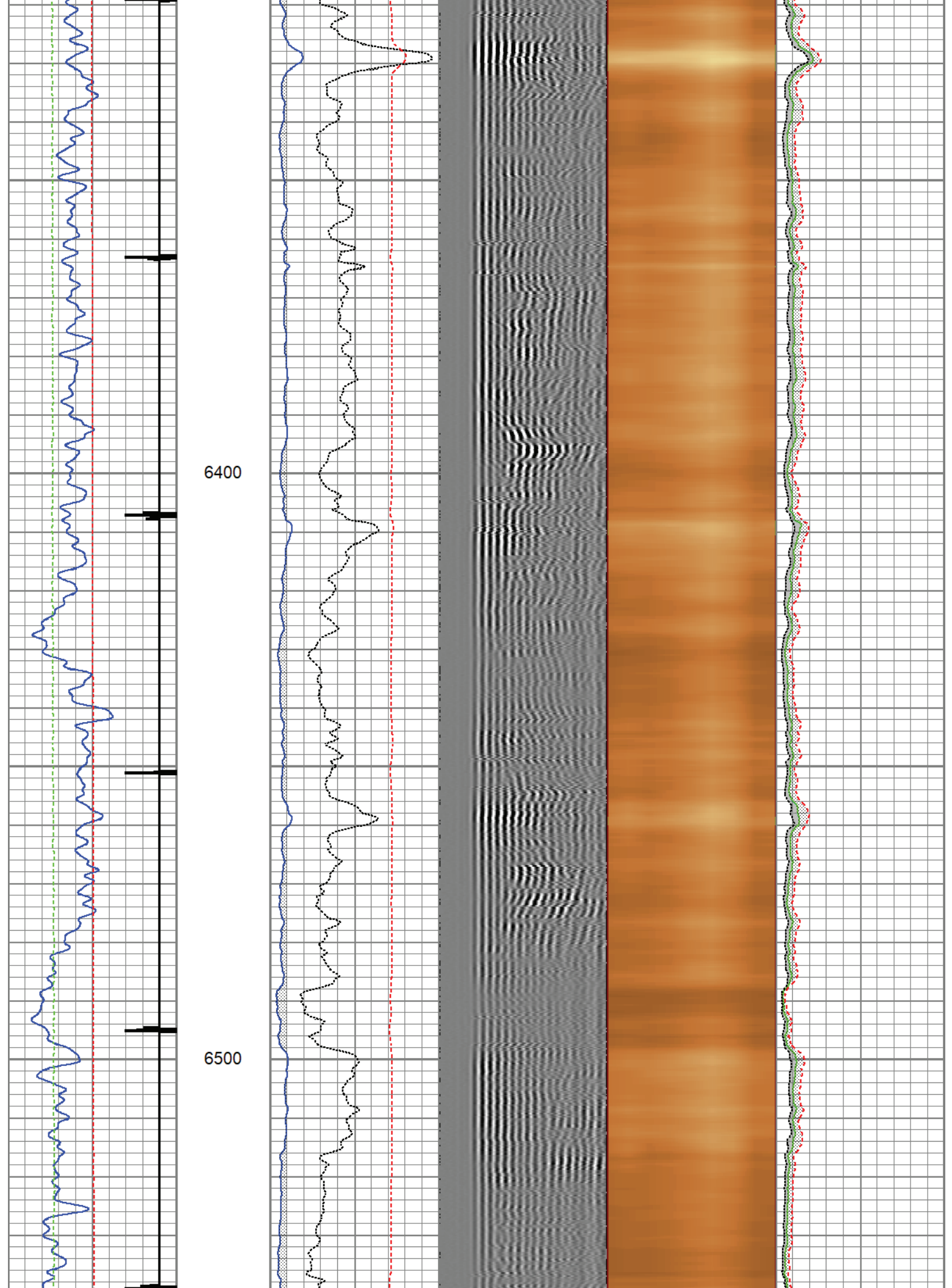




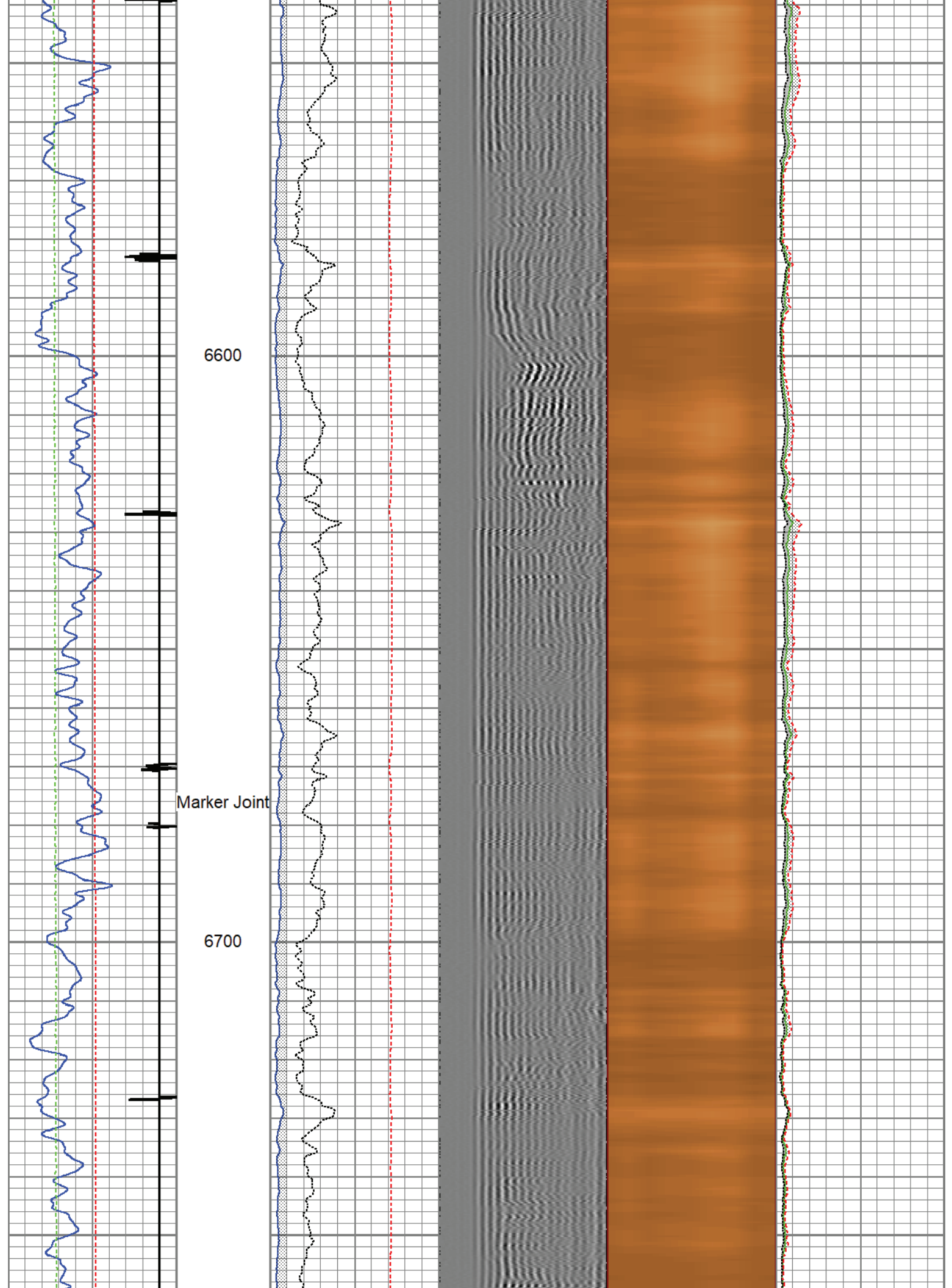


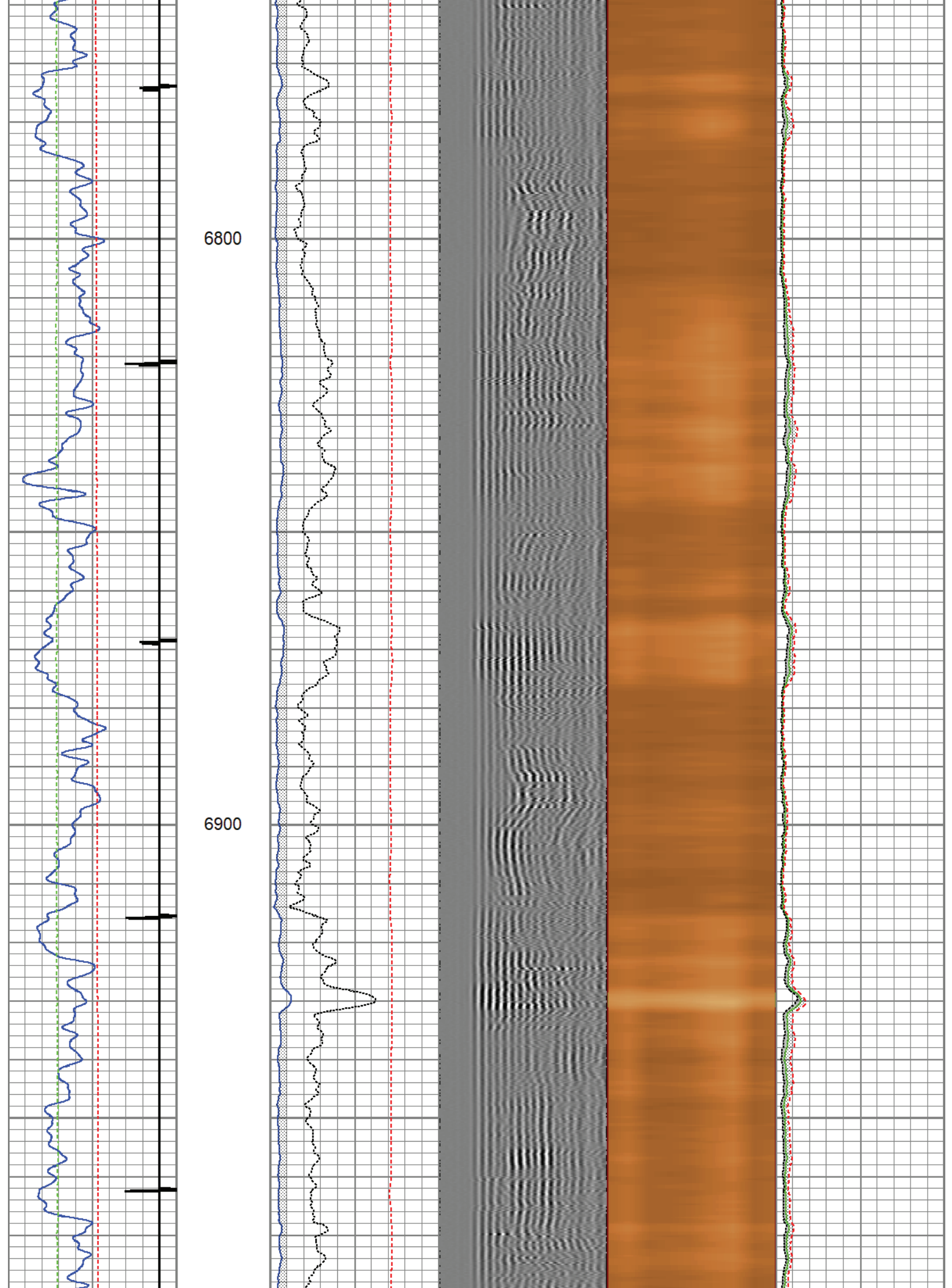


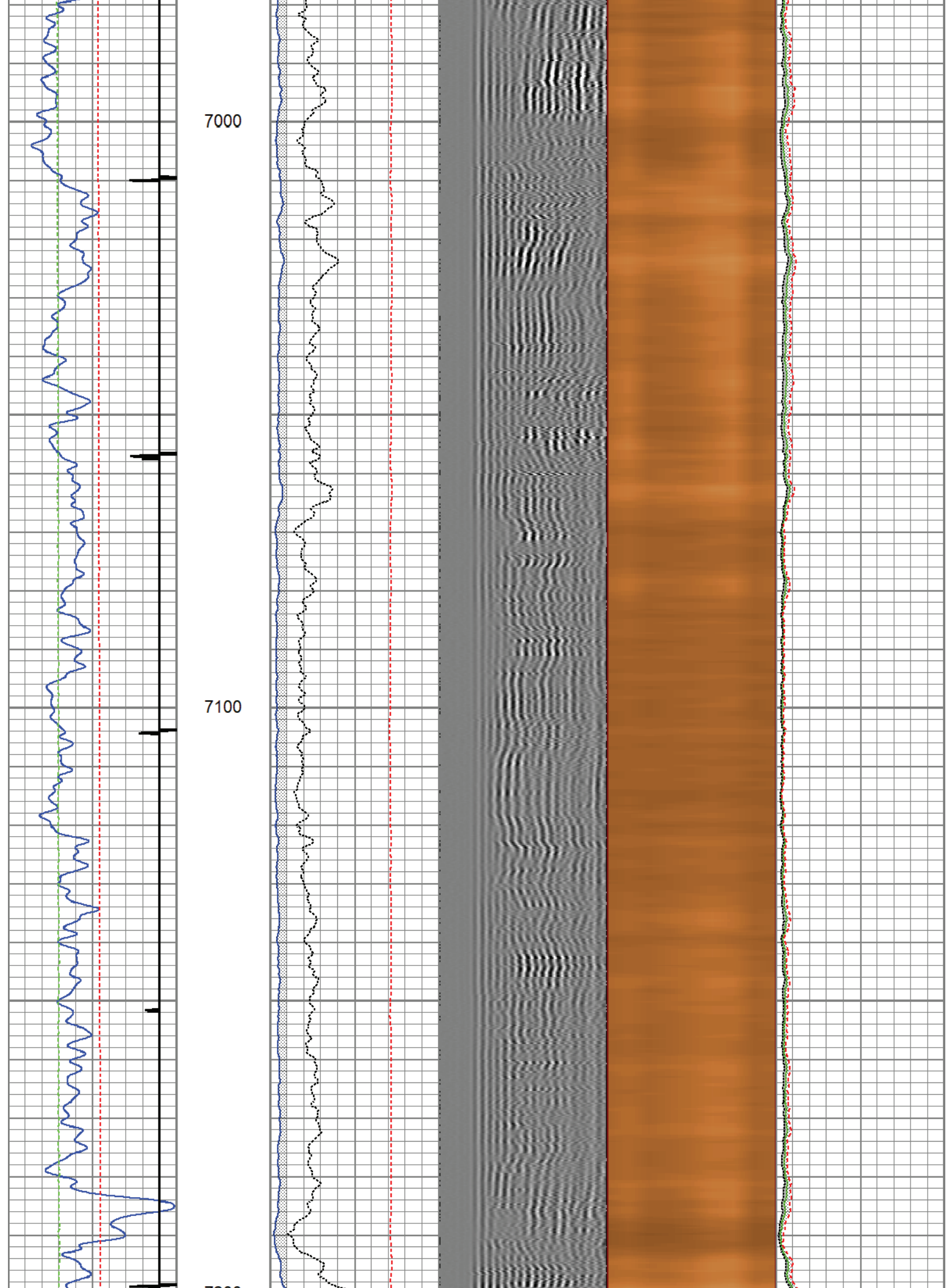




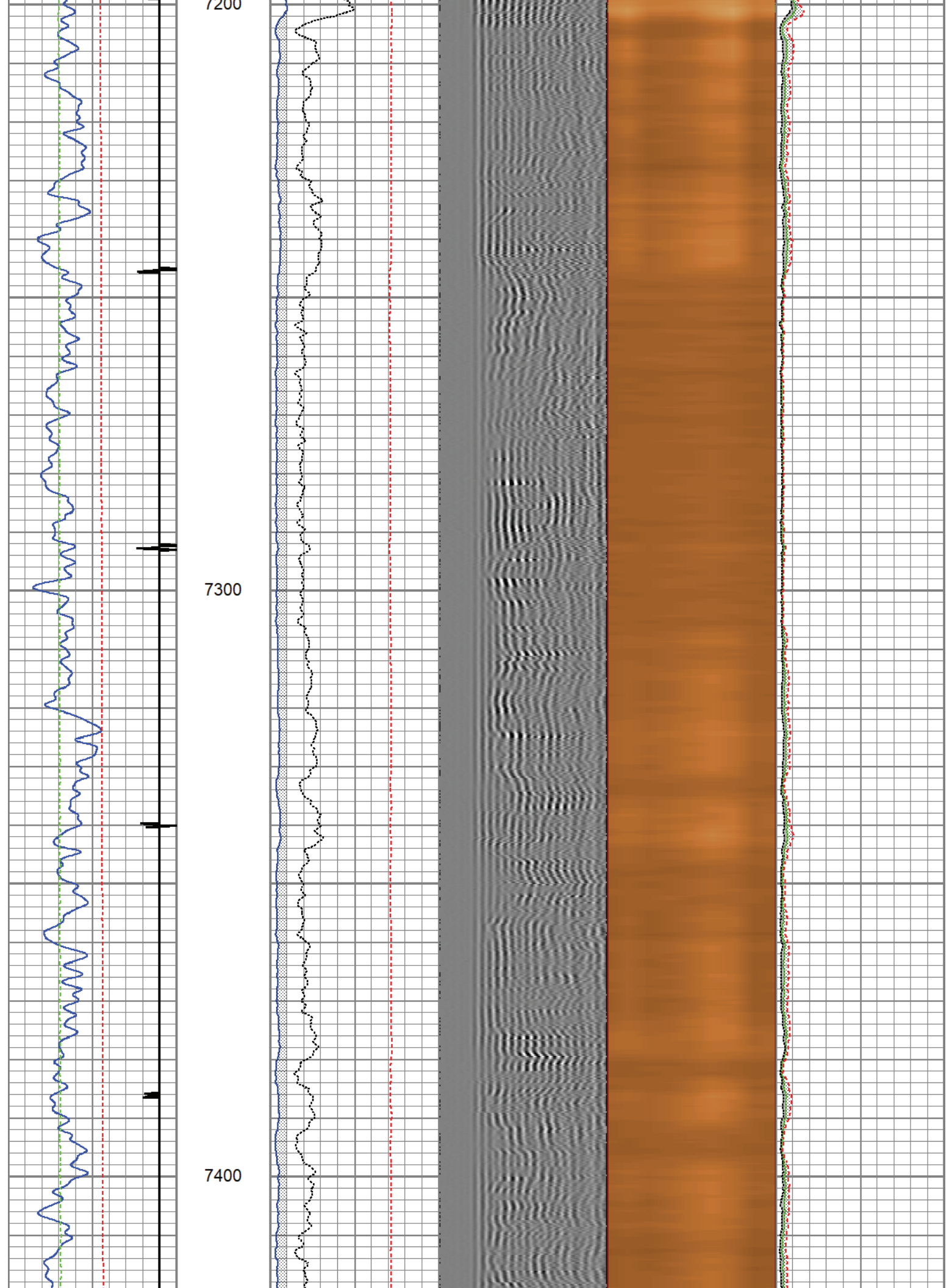


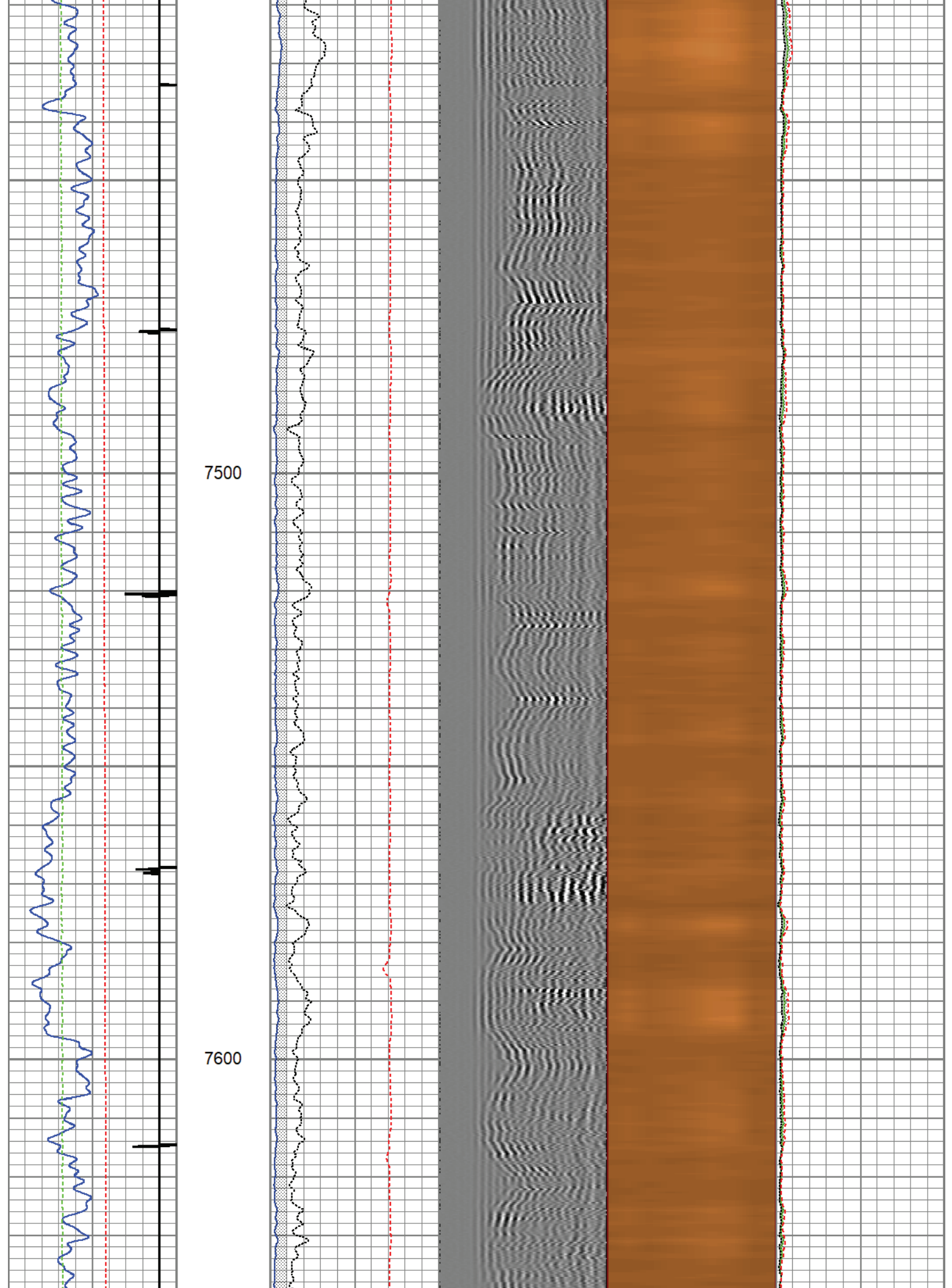


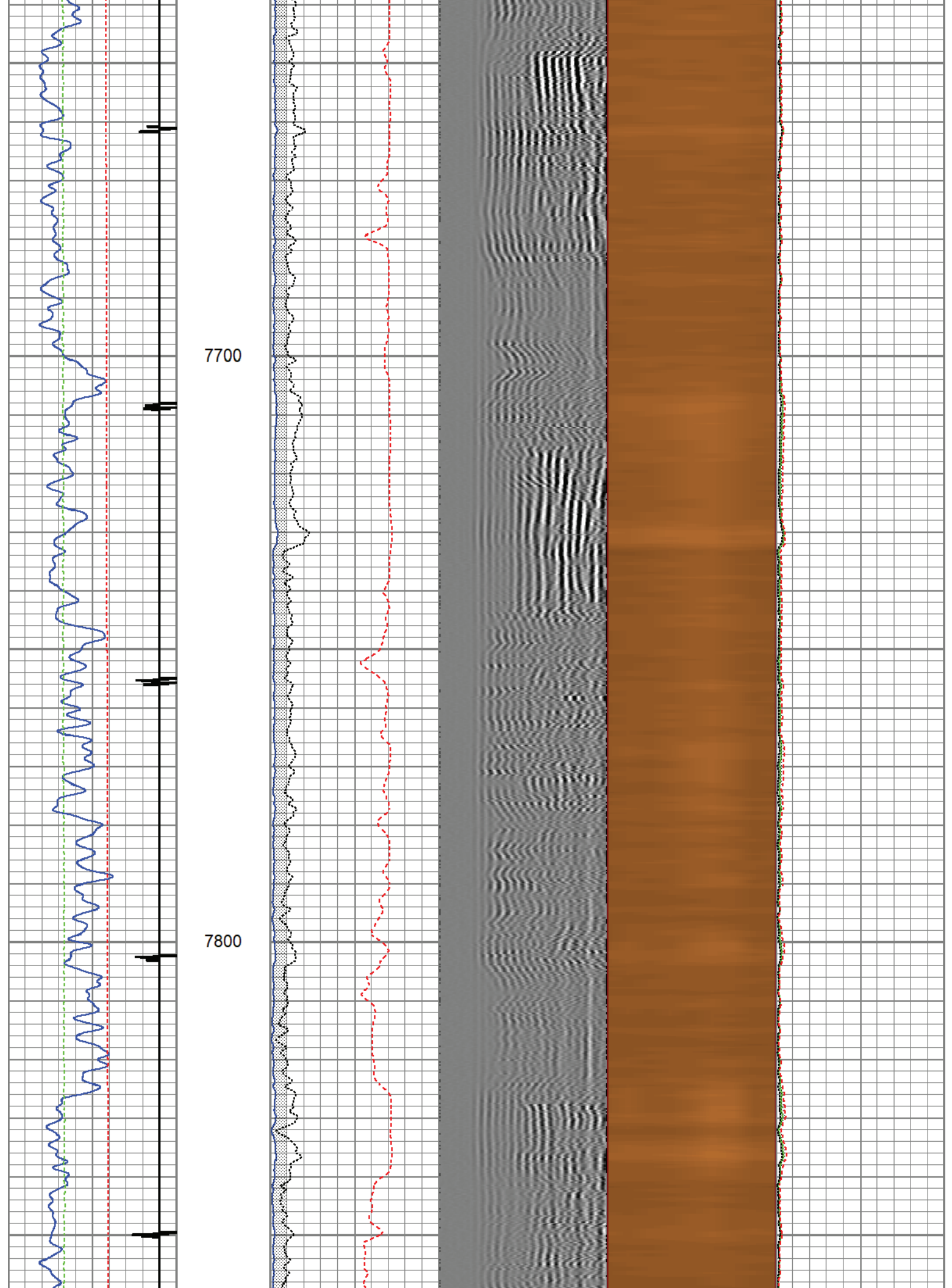




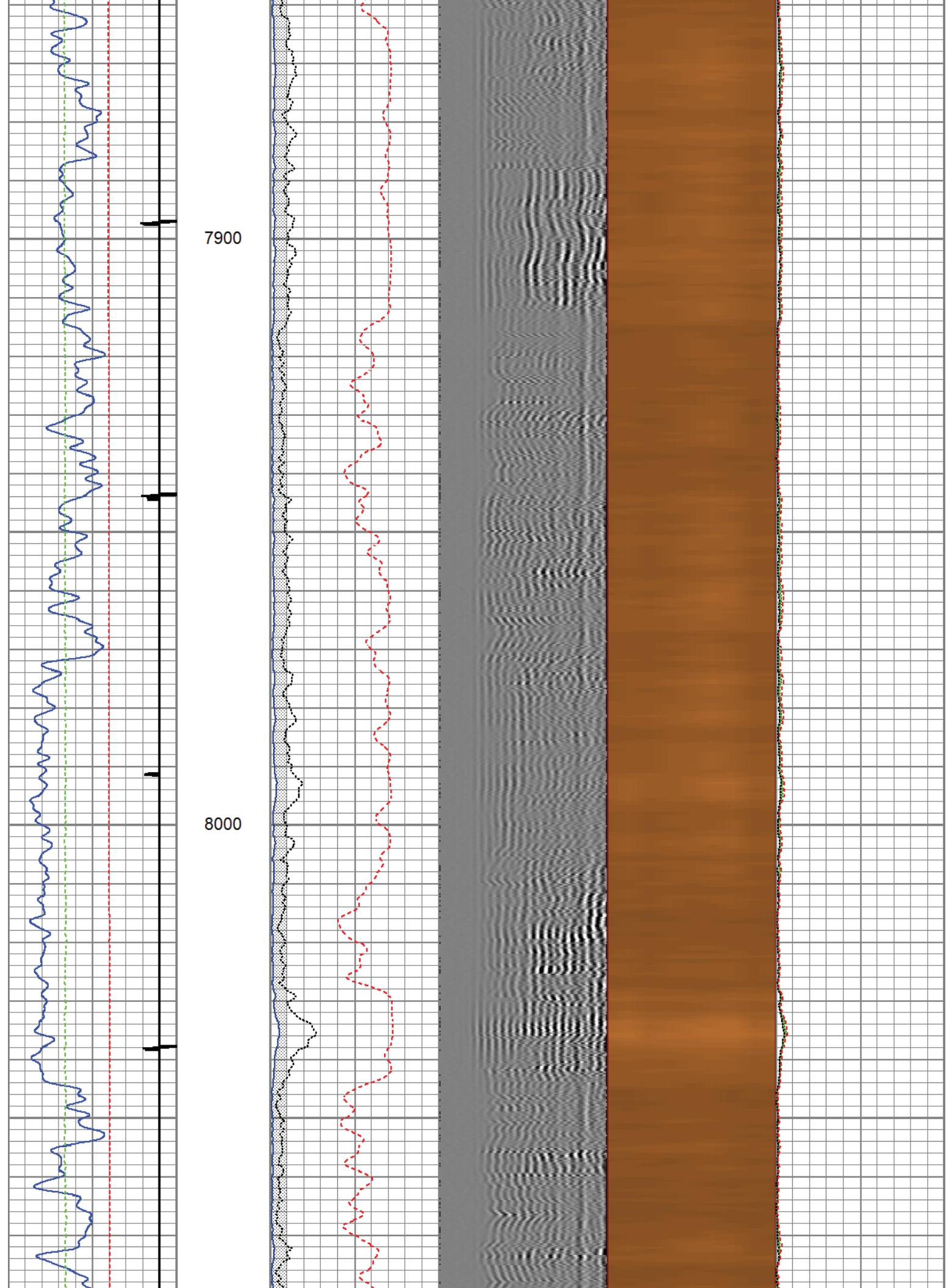


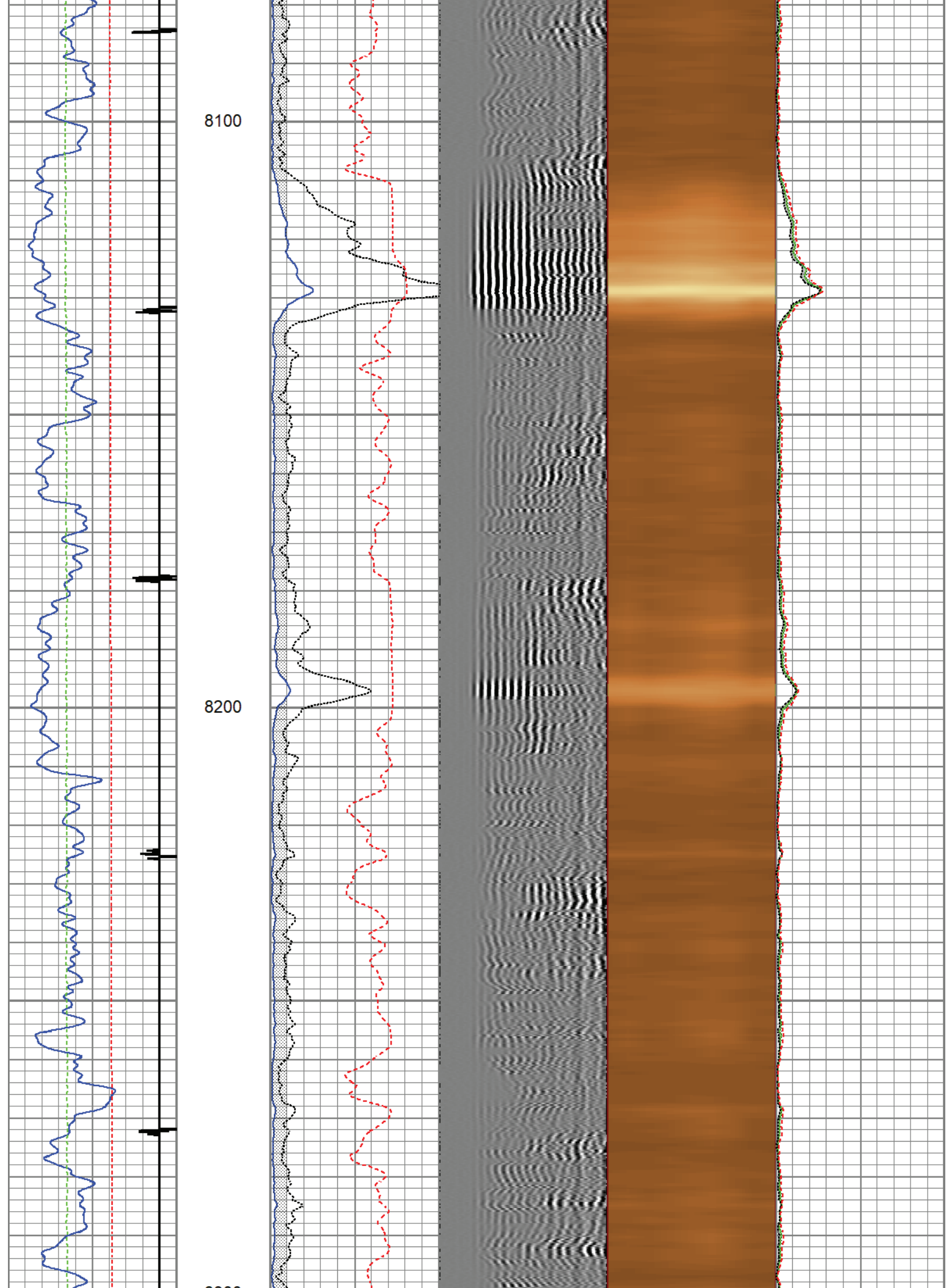








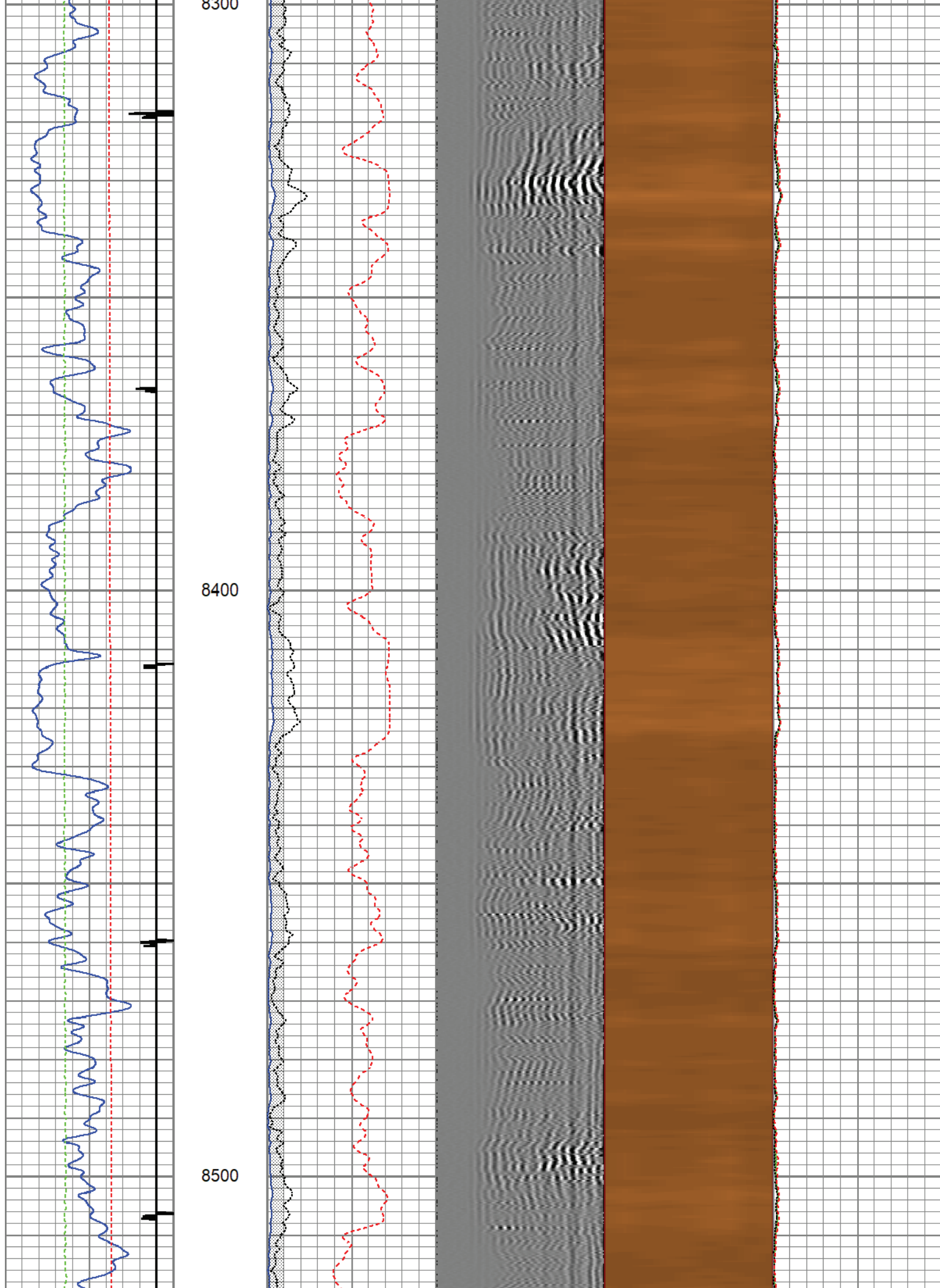




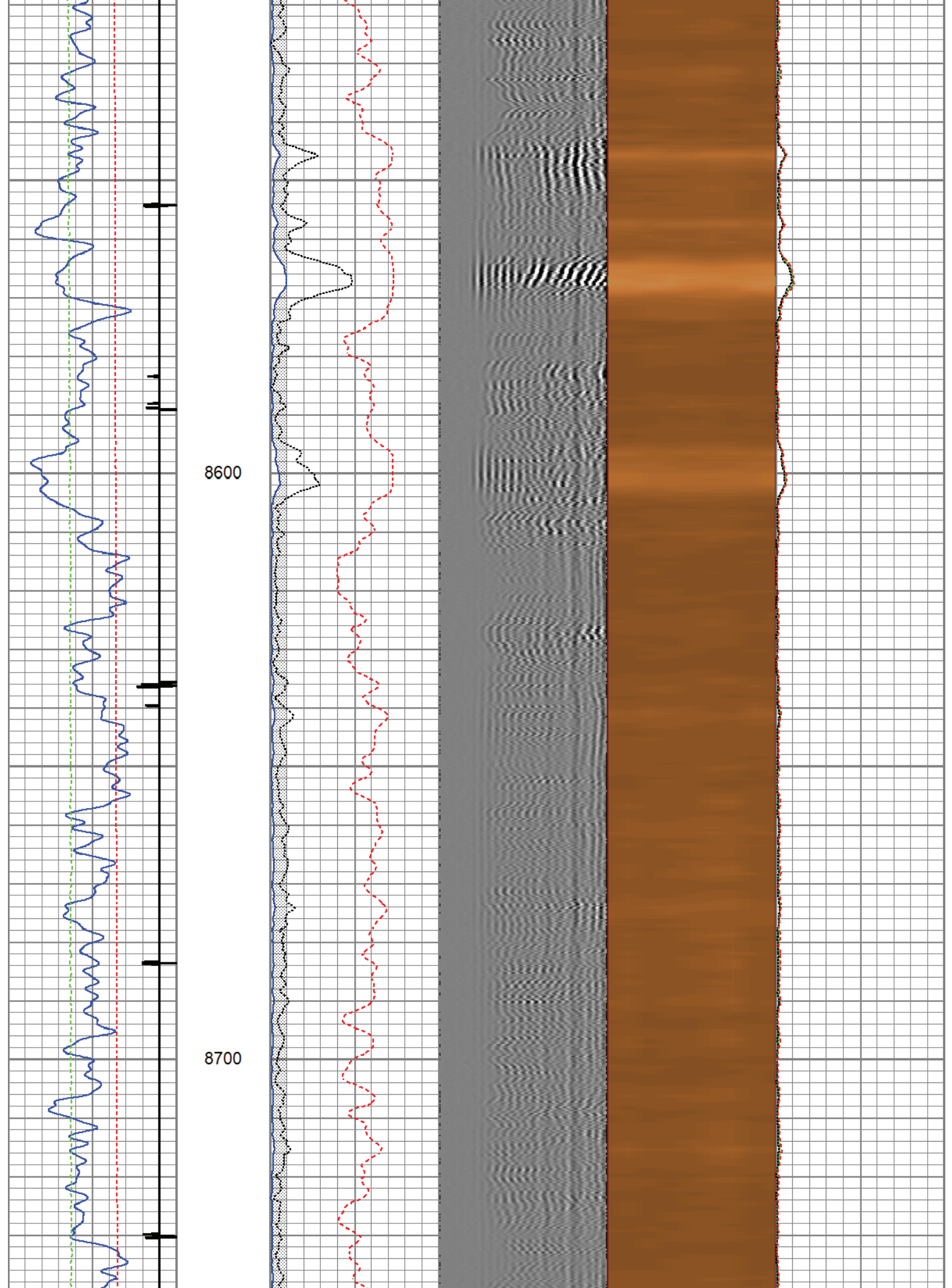
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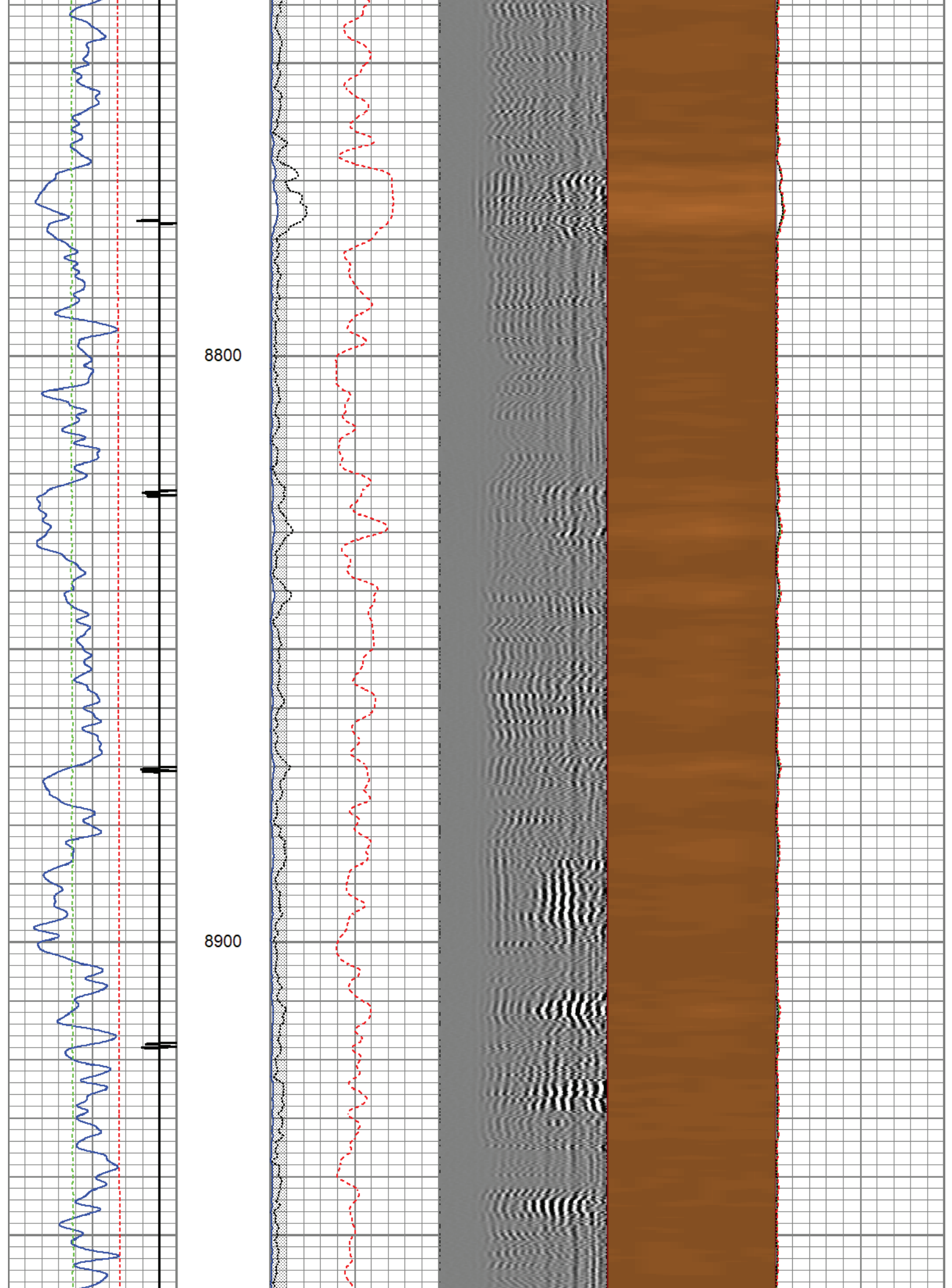
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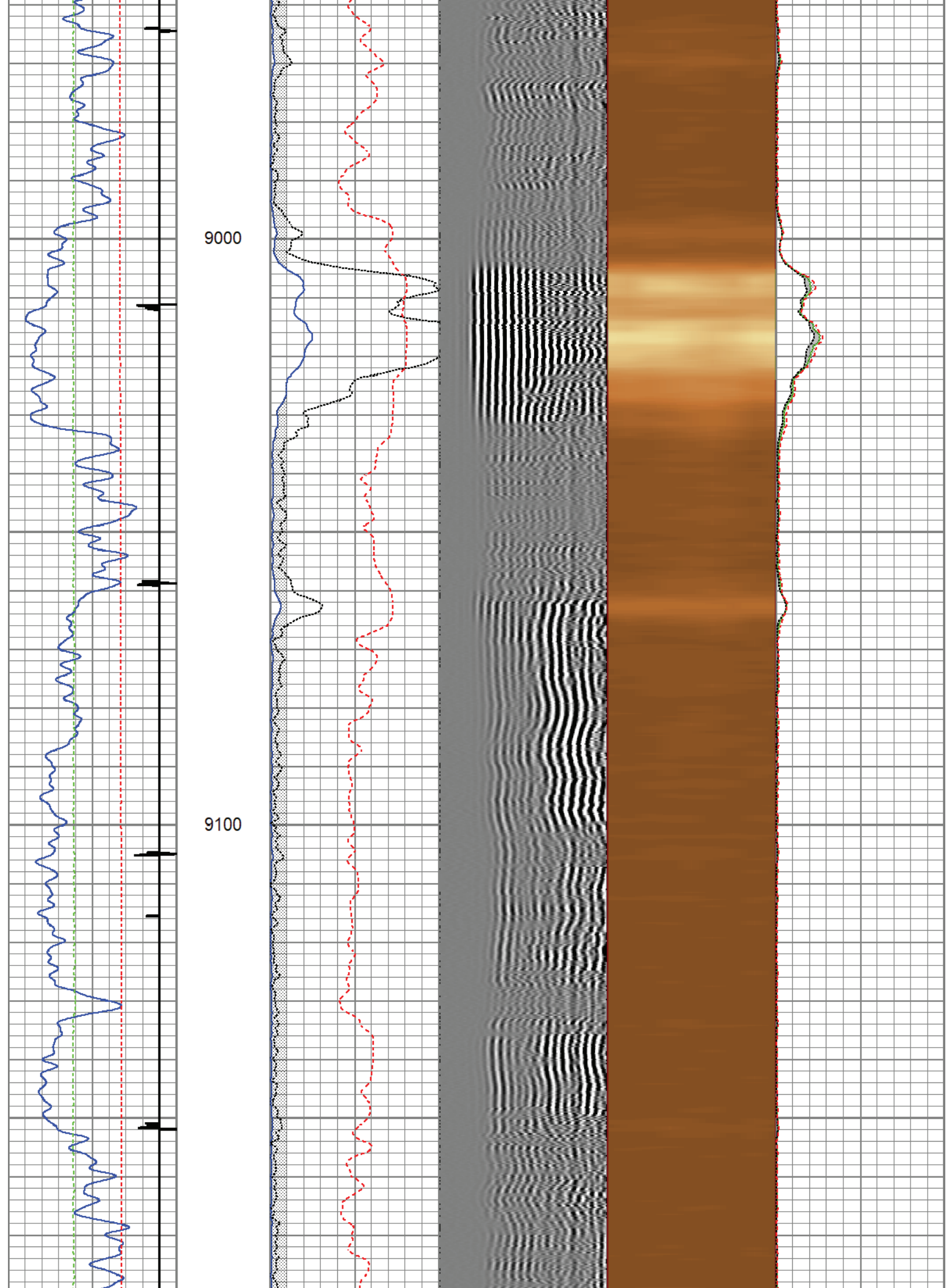
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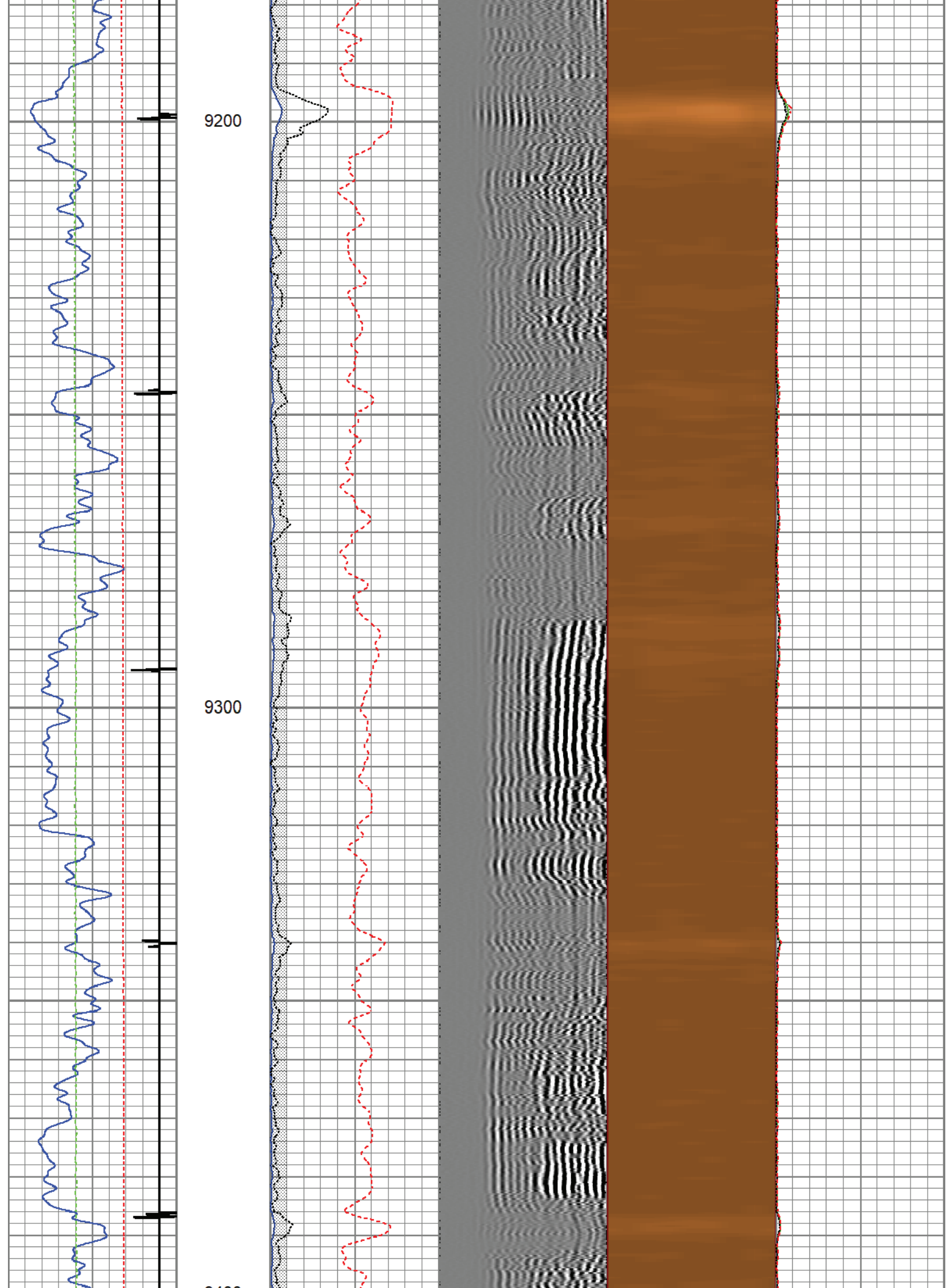








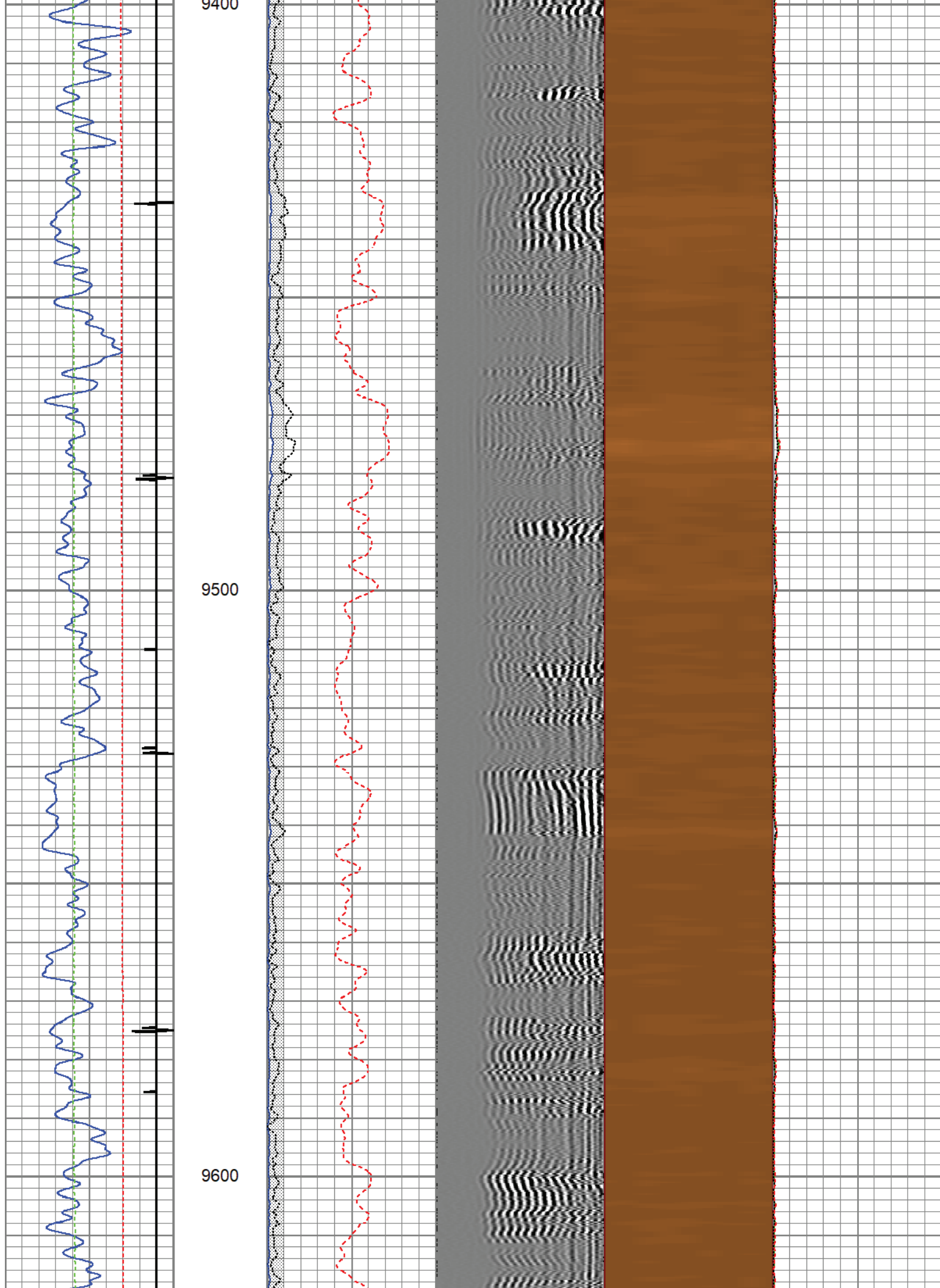


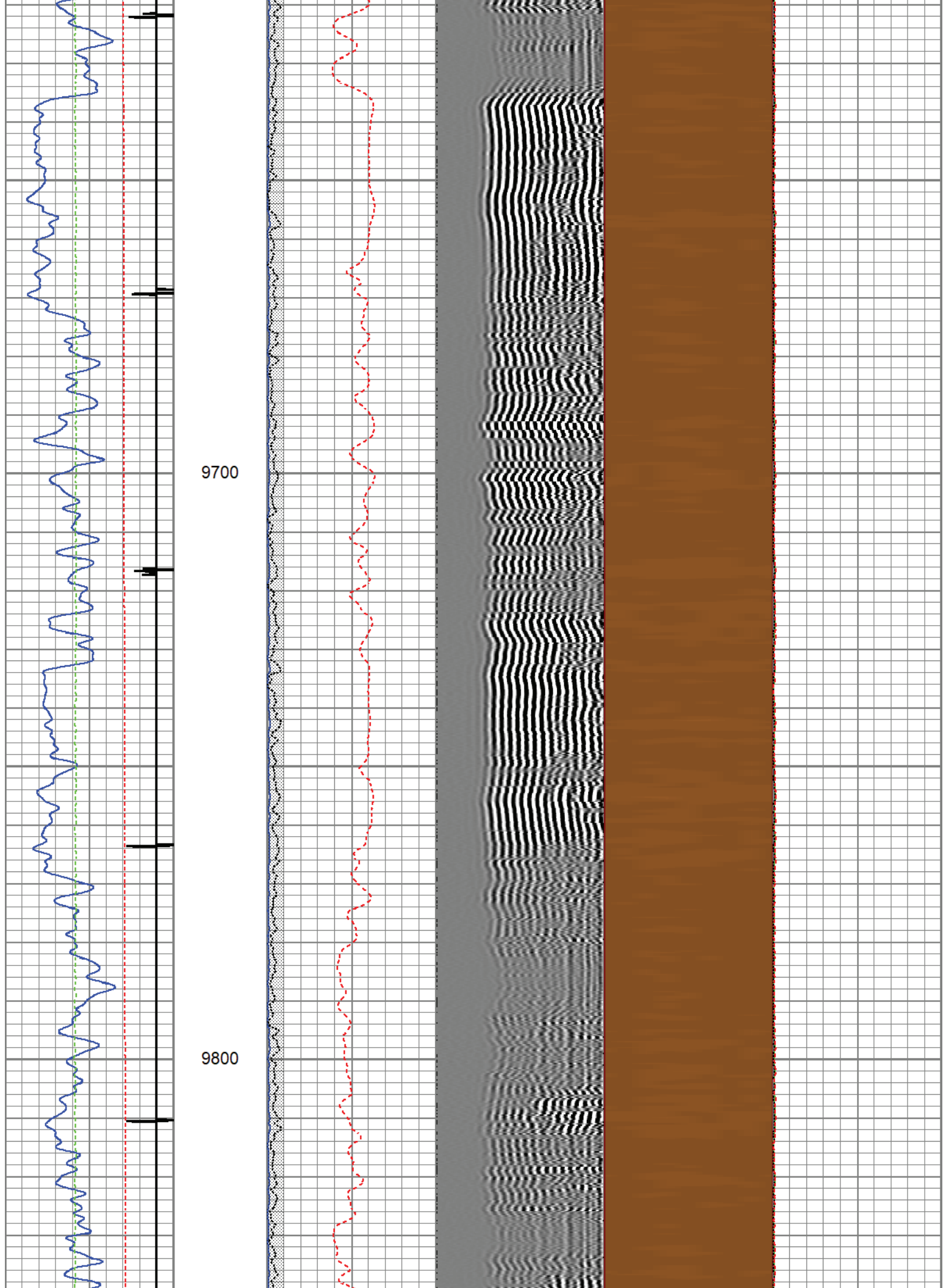


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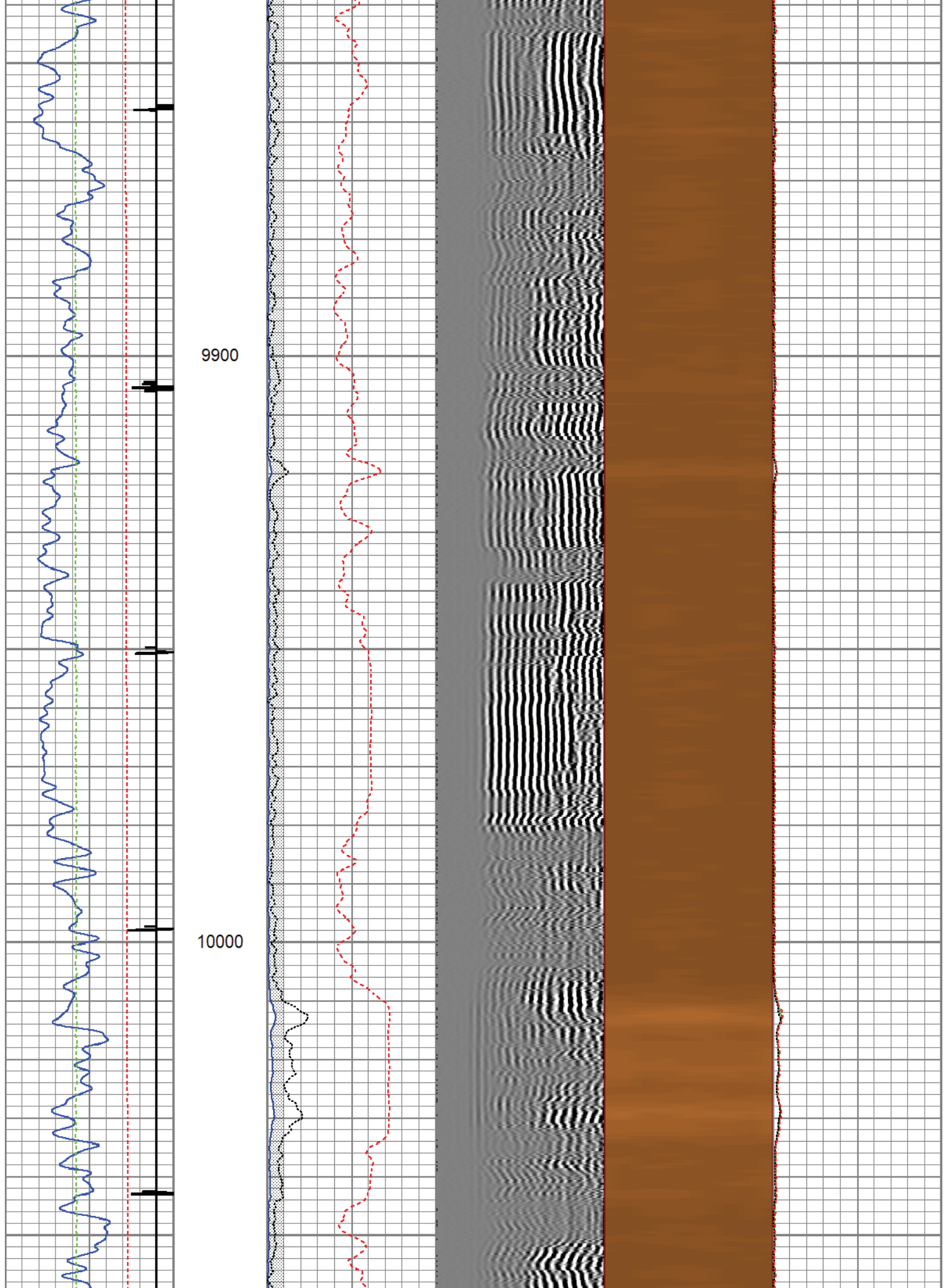
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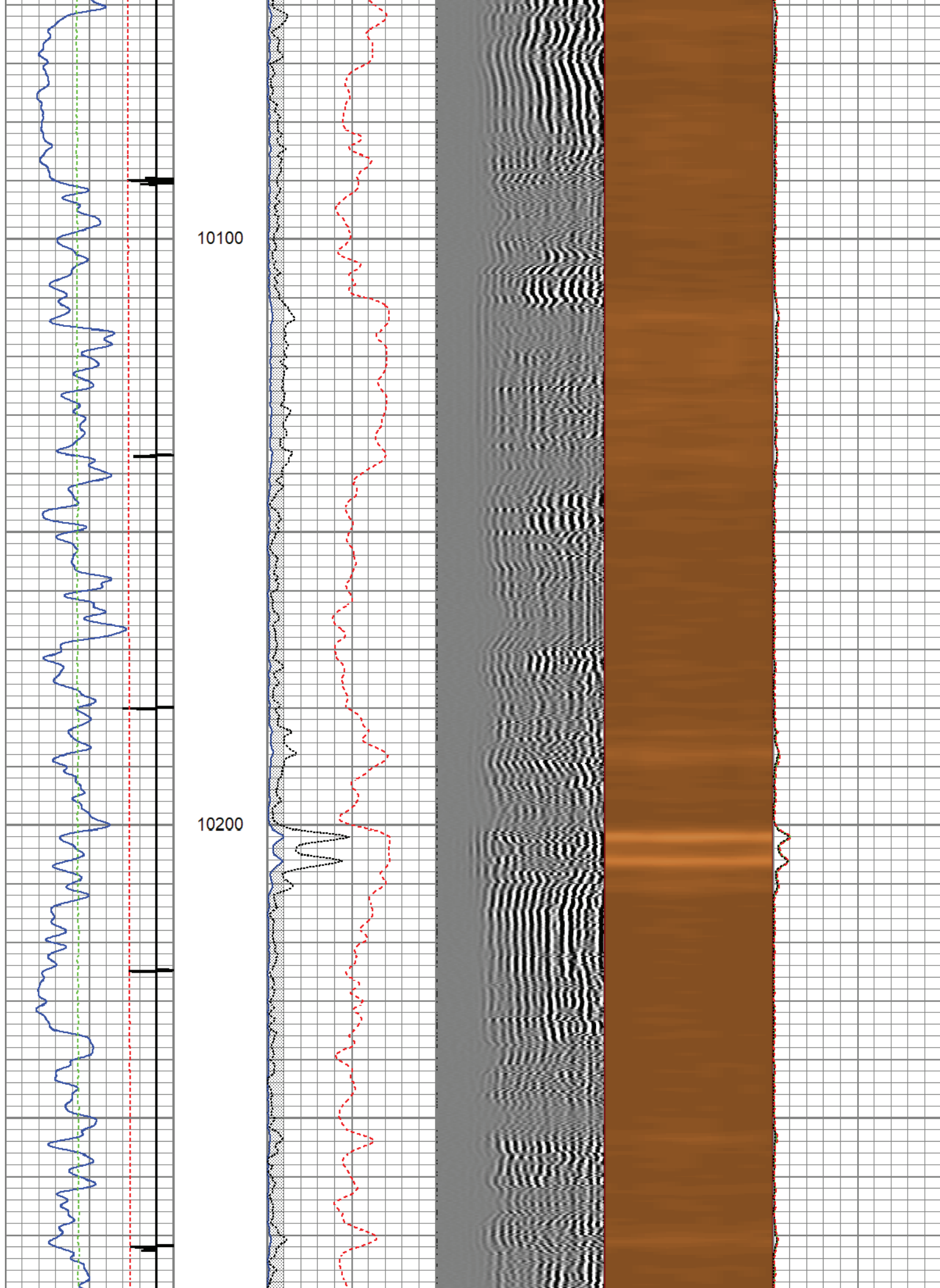






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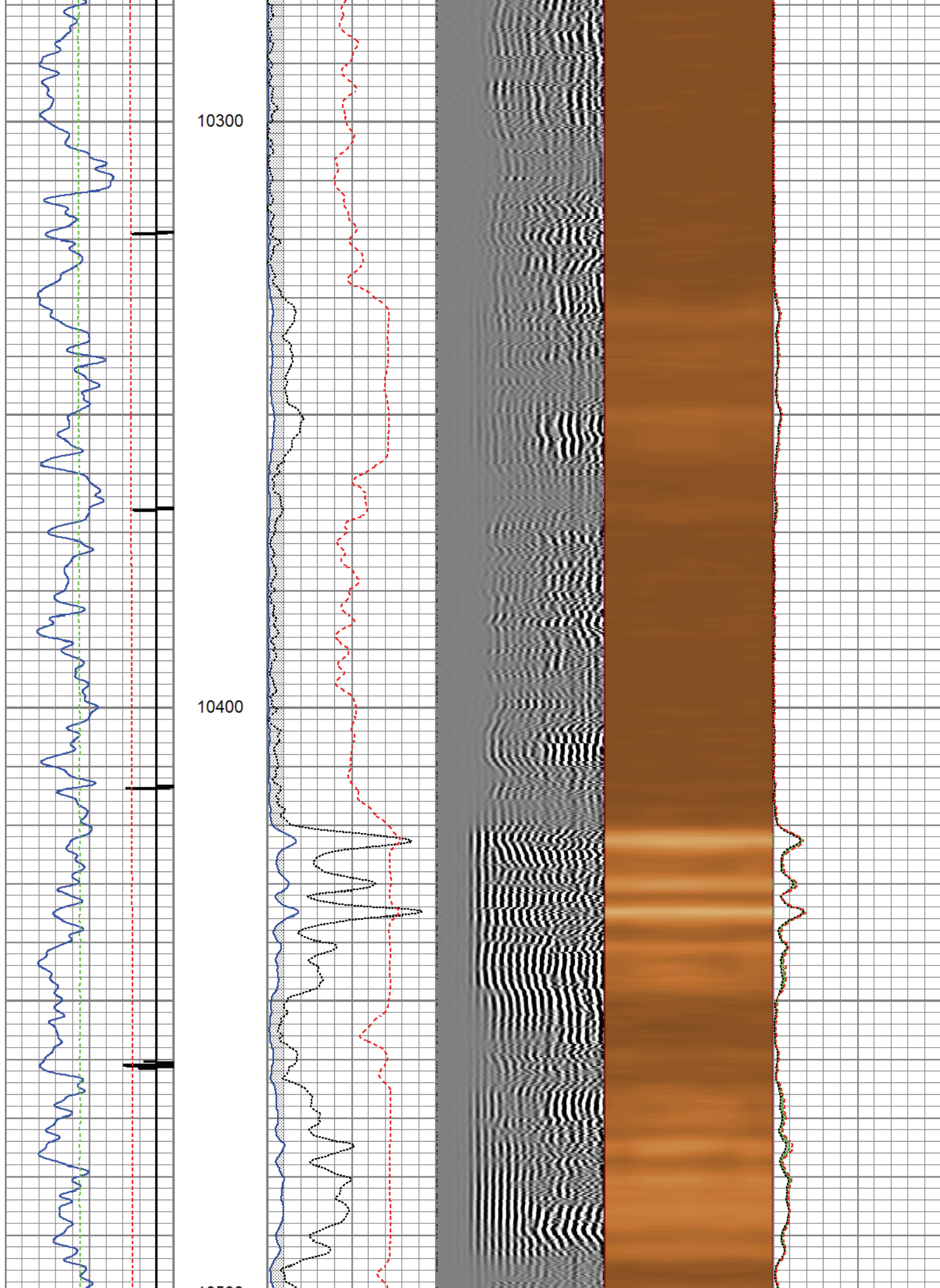
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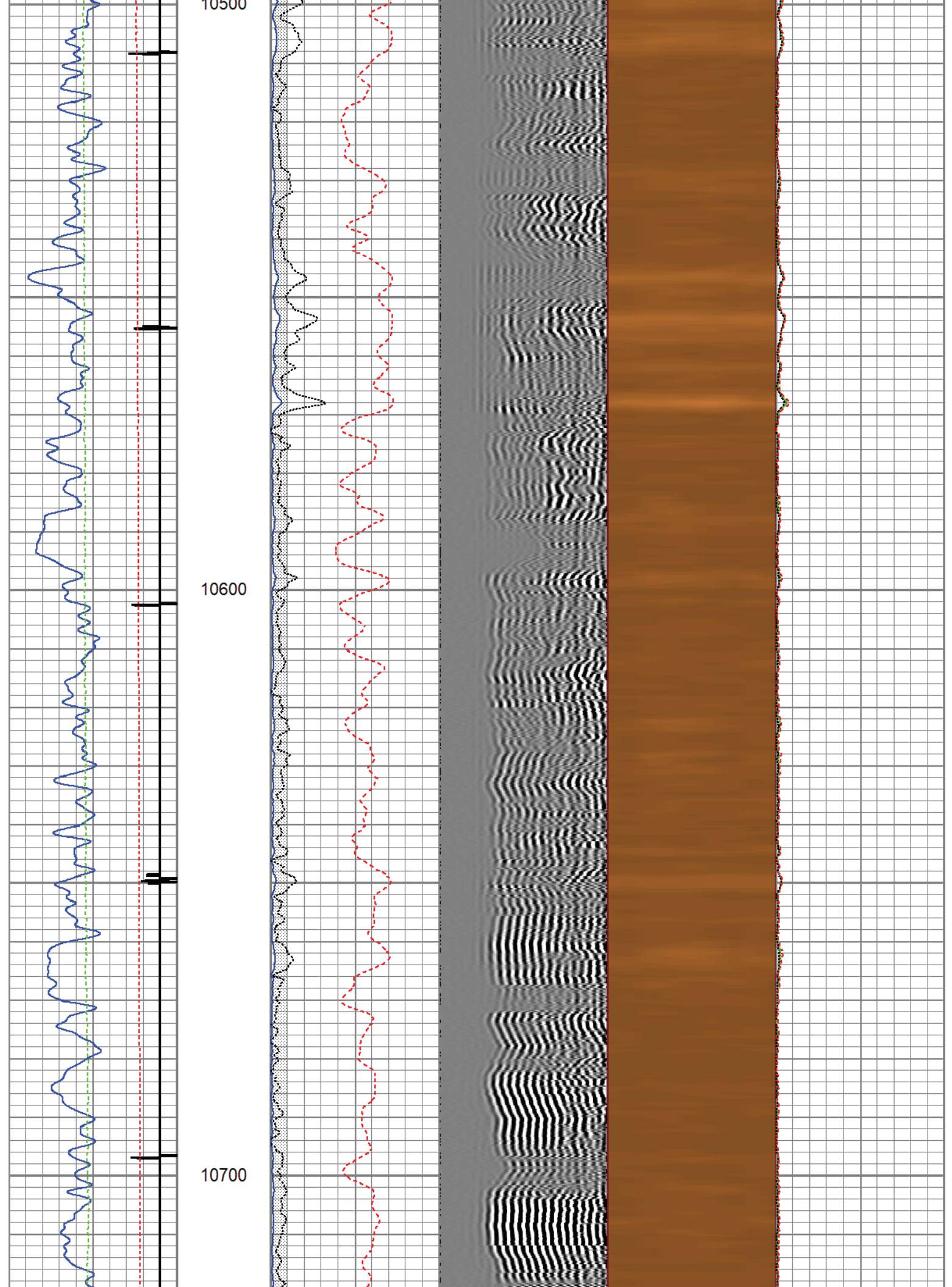
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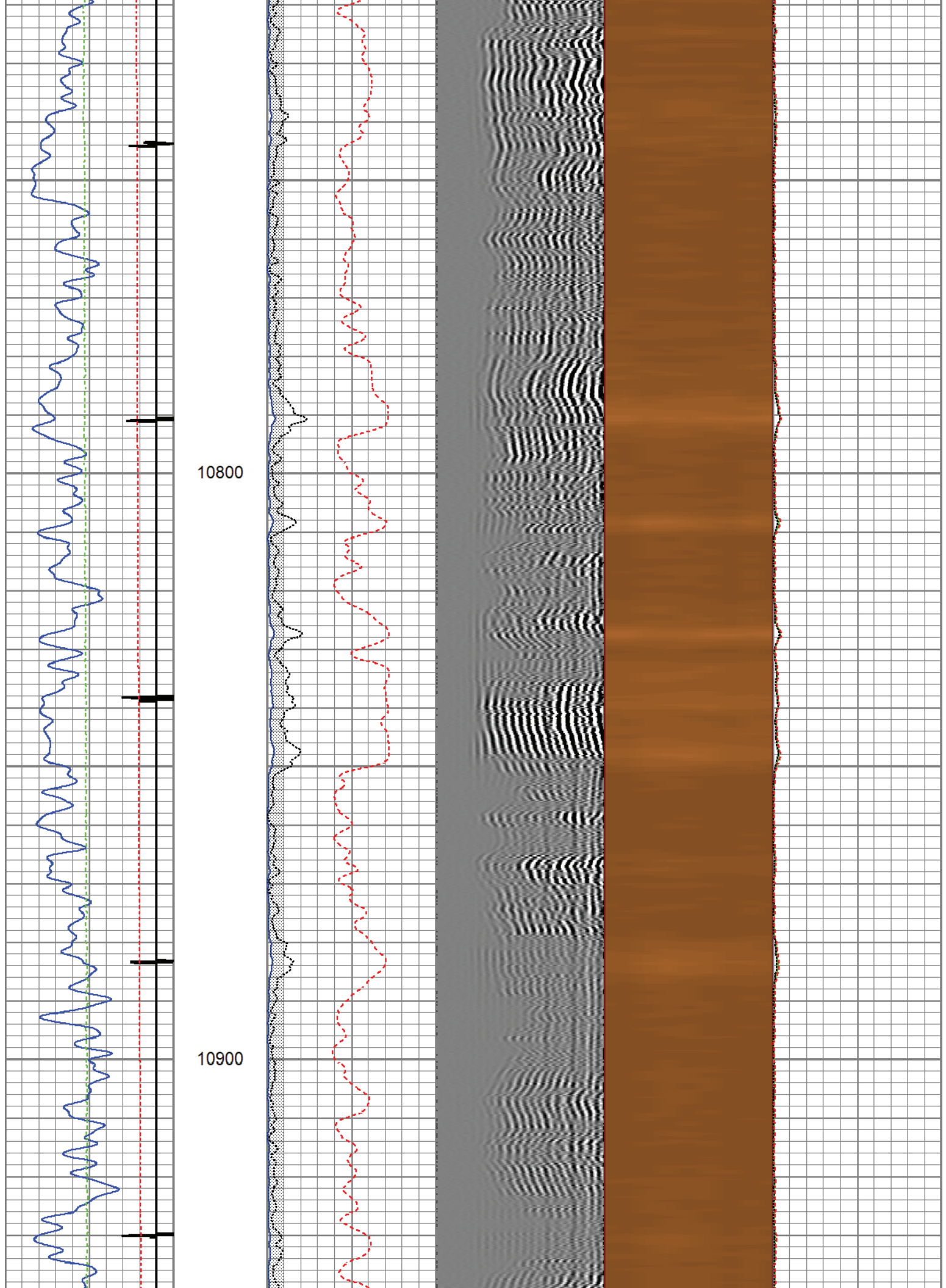
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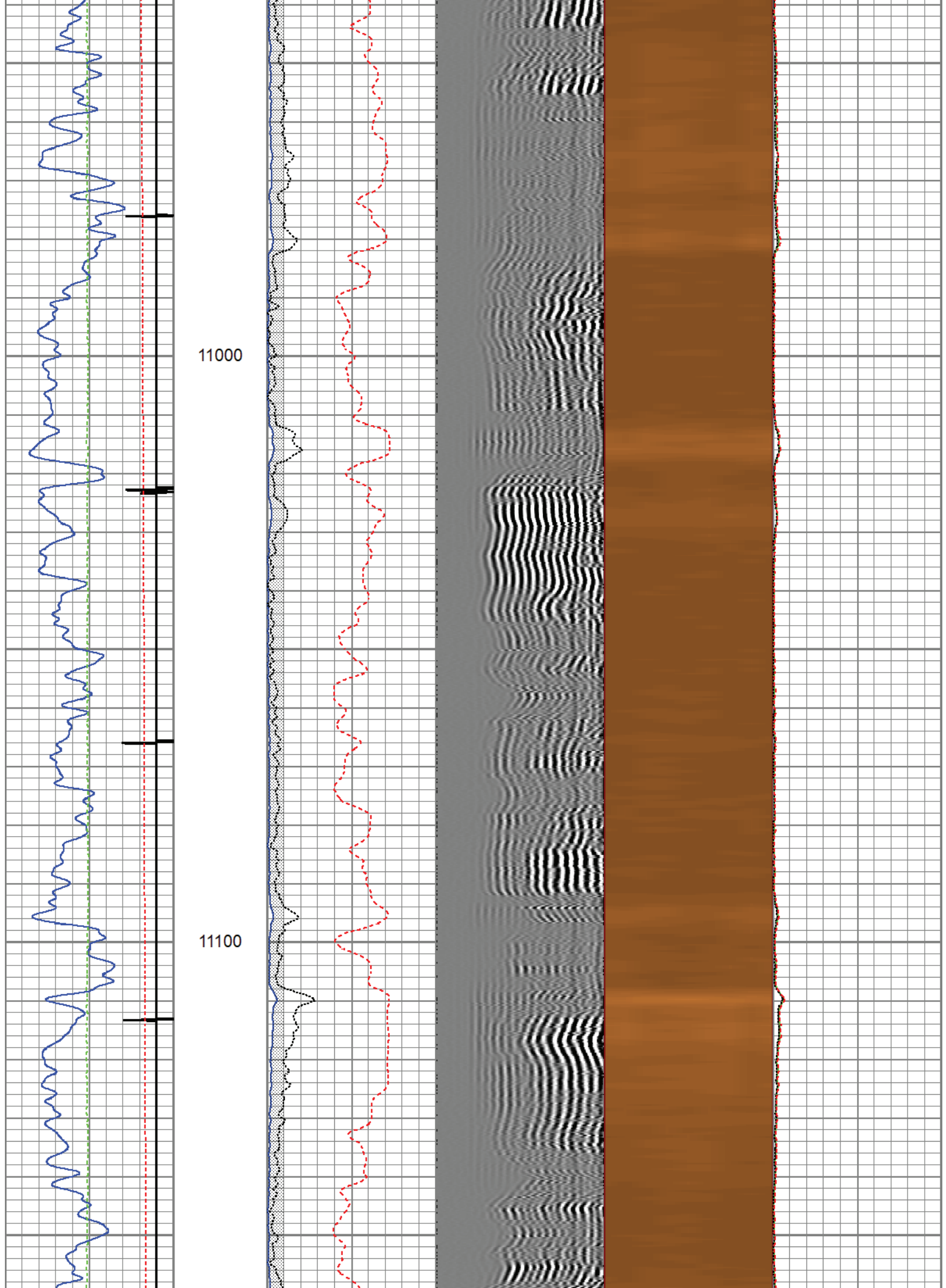
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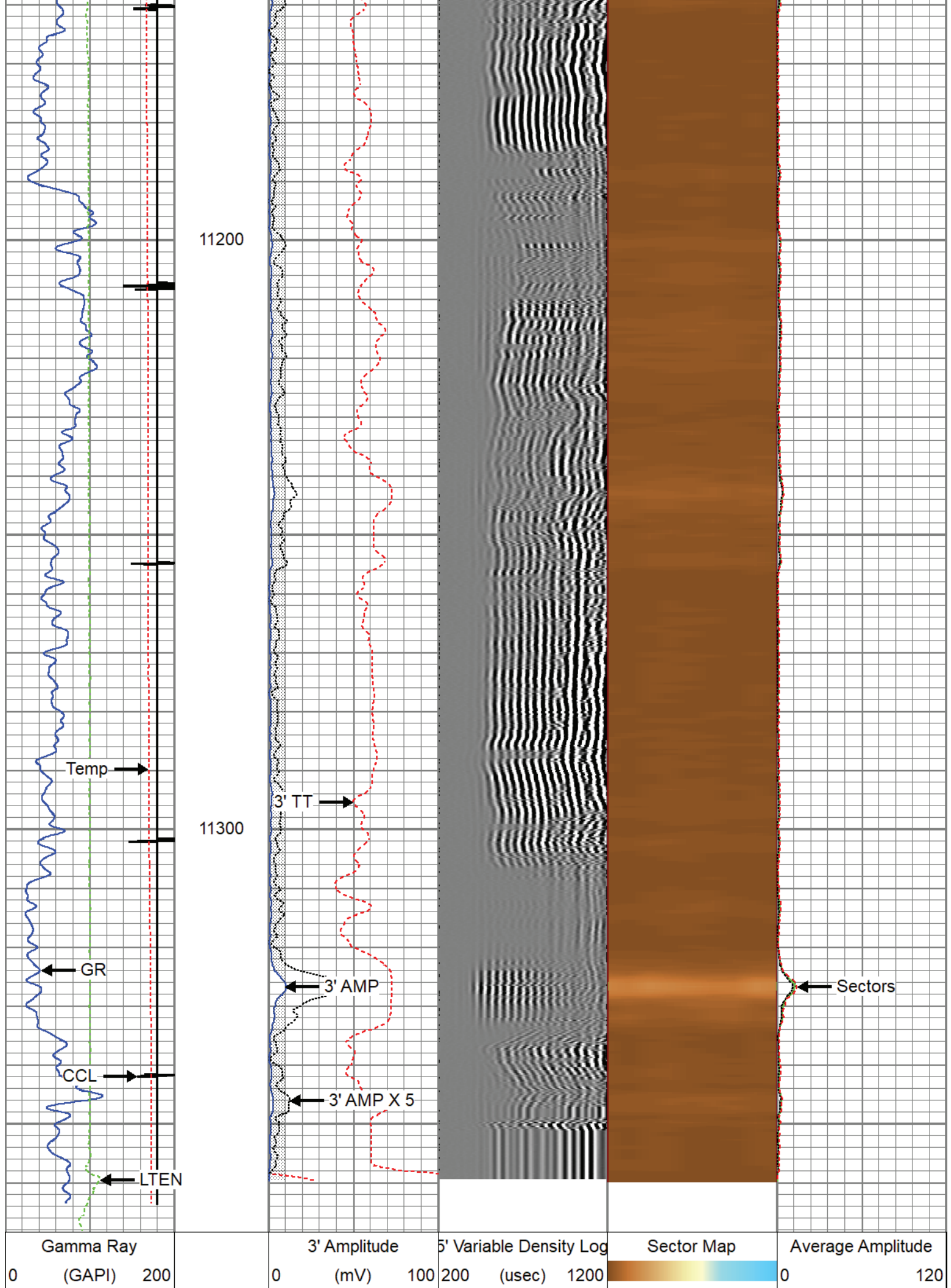














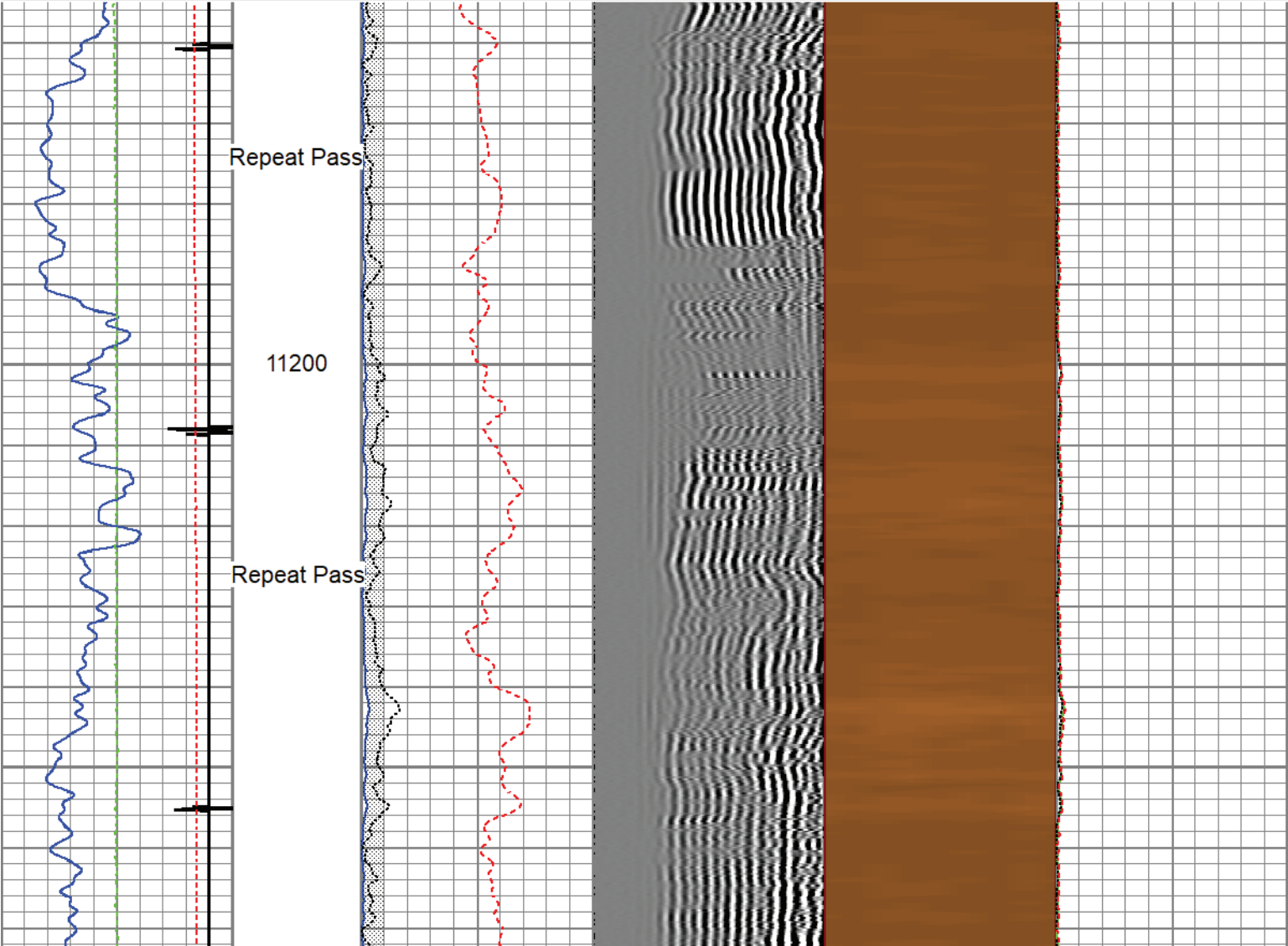
CCL	3' Amplitude x 5	Minimum Amplitude
Line Tension	0 (mV) 20	0 120
0 (lb) 4000	3' Travel Time	Maximum Amplitude
0 Temp (degF) 300	650 (usec) 150	0 120

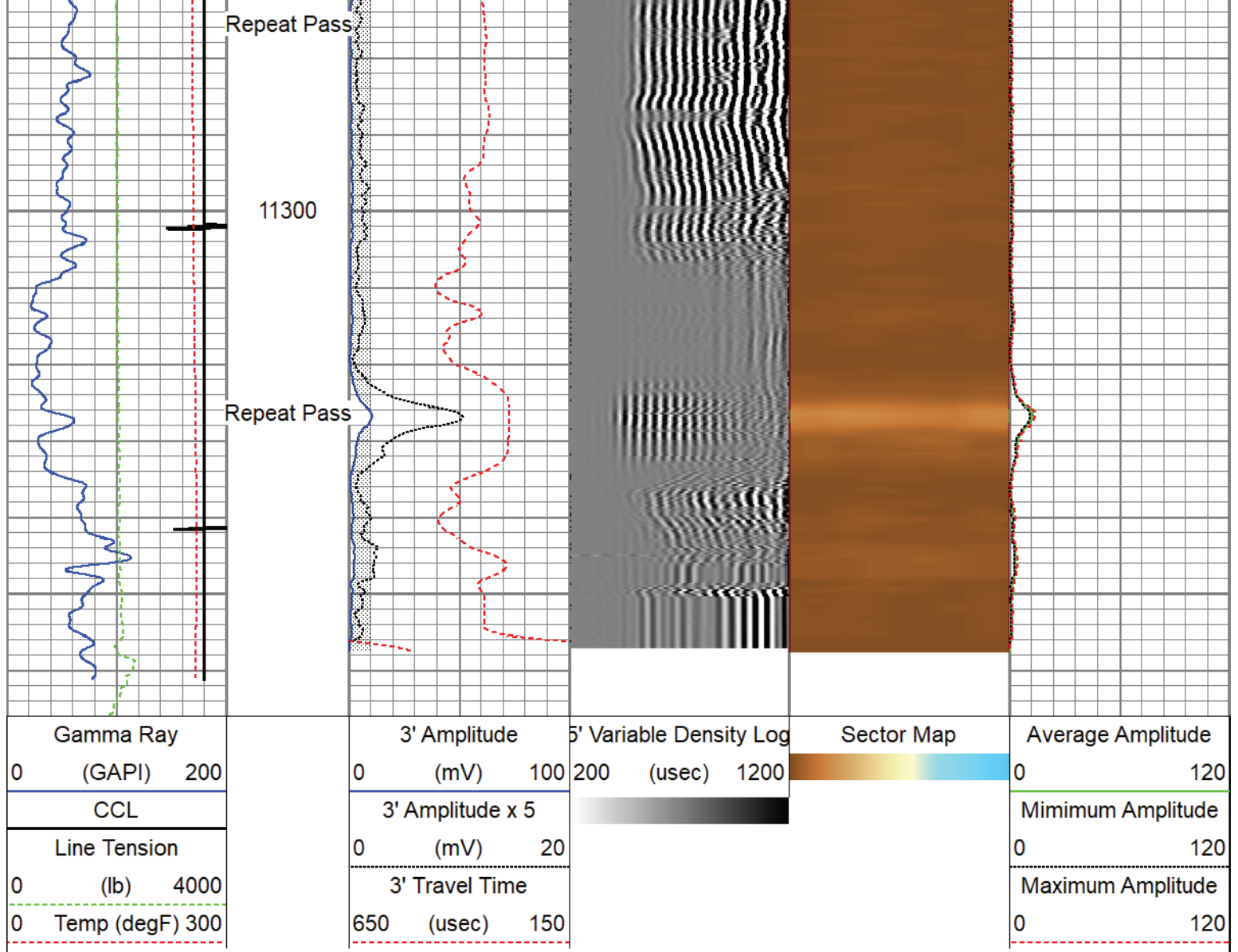


Repeat Pass 5" = 100'

Database File	tep_fed nr 344-36_rcbl_8-30-22.db
Dataset Pathname	Repeat
Presentation Format	twgrcbl
Dataset Creation	Tue Aug 30 13:46:43 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
CCL	3' Amplitude x 5			Minimum Amplitude
Line Tension	0 (mV) 20			0 120
0 (lb) 4000	3' Travel Time			Maximum Amplitude
0 Temp (degF) 300	650 (usec) 150			0 120





Calibration Report			
Database File	tep_fed nr 344-36_rcbl_8-30-22.db		
Dataset Pathname	Main		
Dataset Creation	Tue Aug 30 13:51:32 2022		

Gamma Ray Calibration Report			
Serial Number:	110255		
Tool Model:	GCT275-0BP0		
Performed:	Mon Jul 25 14:35:34 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 Jul 28 17:00:24 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: 18.000 ft

Master Calibration, performed Tue Aug 30 07:42:36 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.733	0.000	81.196	111.234	-0.329
CAL	0.001	0.743				
5'	0.008	0.701	0.000	81.196	117.161	-0.990
SUM						
S1	0.003	0.738	0.000	100.000	136.098	-0.472
S2	0.004	0.750	0.000	100.000	134.141	-0.549
S3	0.003	0.751	0.000	100.000	133.586	-0.349
S4	0.002	0.745	0.000	100.000	134.655	-0.286
S5	0.002	0.737	0.000	100.000	136.114	-0.332
S6	0.003	0.745	0.000	100.000	134.808	-0.375
S7	0.004	0.747	0.000	100.000	134.580	-0.550
S8	0.003	0.741	0.000	100.000	135.546	-0.429

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	0.743	1.000	0.000

Air Zero Calibration, performed Tue Aug 30 07:43:12 2022:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.003		0.000		0.000	
5'	0.008		0.000		0.000	
SUM						
S1	0.004		0.000		-0.001	
S2	0.005		0.000		-0.001	
S3	0.003		0.000		0.000	
S4	0.002		0.000		-0.000	
S5	0.003		0.000		-0.000	
S6	0.003		0.000		-0.000	
S7	0.004		0.000		-0.000	
S8	0.003		0.000		0.000	

### Inclinometer Calibration Report

Performed:

Thu Jul 28 15:46:49 2022

Low Read. High Read.

Low Ref. High Ref.

X Accelerometer

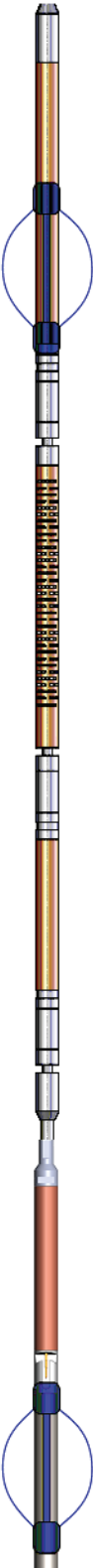
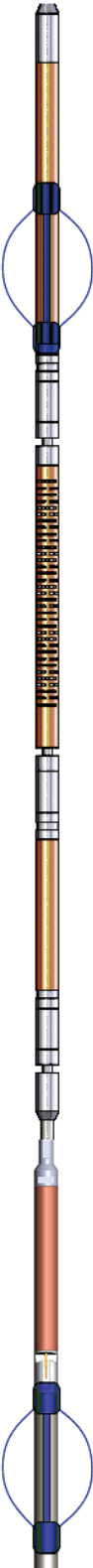
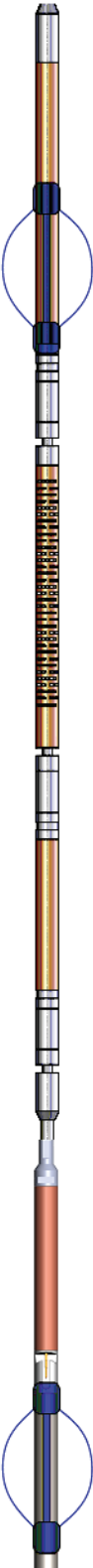
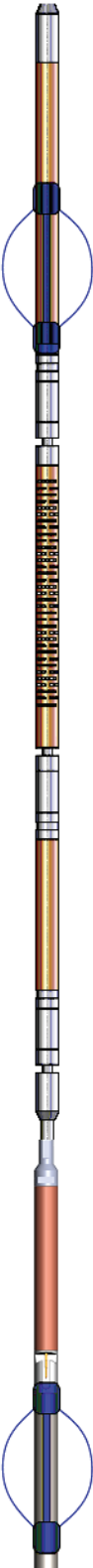
-931.00 904.00 -1.00 1.00 gee

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	14.47		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	14.47					
RBT_Status	14.47					
Error_Ct	14.47					
WVFS8	9.97		RBT8acc-Probe275acc (FW1312-30) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS7	9.97					
WVFS6	9.97					
WVFS5	9.97					
WVFS4	9.97					
WVFS3	9.97					
WVFS2	9.97					
WVFS1	9.97					
WVF3FT	9.97					
WVF5FT	8.97					
RBT_ACCZ	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_ACCY	5.72					
RBT_ACCX	5.72					
GCT_HV	5.72					
WVFSYNC	5.72					
WVFCAL	5.72					
CCL\$2	4.47					
CCL\$1	4.47					
GCT_Temp	3.59		GCacc-GCT275-0BP0 (110255) Probe 2.75" Gamma Ray - CCL (6 magnet) w/Temp	5.38	2.75	59.00
GR	2.72					

GCT_IntTemp	2.00						
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 nr 344-36_rcbl_8-30-22.db: field/well/run1/Main Total length: 14.47 ft Total weight: 190.00 lb O.D.: 3.25 in							

Company	Terra Energy Partners, LLC				
Well	Federal NR 344-36				
Field	Rulison				
County	Garfield		State	Colorado	
			Radial Cement Bond Gamma Ray Casing Collar Log		