



Radial Cement Bond
Gamma Ray
Casing Collar Log

Company		Terra Energy Partners, LLC		CountryUSA	
Well	Federal NR 433-4				
Field	Rulison				
County	Garfield				
State	Colorado				
Company		Terra Energy Partners, LLC		Country USA	
Well	Federal NR 433-4				
Field	Rulison				
County	Garfield				
State	Colorado				
Location:		API # : 05-045-24471			Other Services
SEC 3 TWP 6S RGE 94W					---
Permanent Datum	Ground Level	Elevation	6728'		
Log Measured From	Kelly Bushing				
Drilling Measured From	Kelly Bushing				
Date		8-JUL-2022			
Run Number	One				
Depth Driller	11016 FT				
Depth Logger	10901 FT				
Bottom Logged Interval	10893 FT				
Top Log Interval	Surface				
Open Hole Size	8.75"				
Type Fluid	Water				
Density / Viscosity	8.34 lb/gall				
Max. Recorded Temp.	---				
Estimated Cement Top	See Log				
Time Well Ready	ROA				
Time Logger on Bottom	23:00				
Equipment Number	8093				
Location	Grand Junction				
Recorded By	A. Ellsworth				
Witnessed By	D. Welsh				
Borehole Record		Tubing Record			
Run Number	Bit	From	To	Size	Weight
					From
					To
Casing Record	Size	Wgt/Ft	Top	Bottom	
Surface String	9.625"	38 lb	Surface	1117 FT	
Prot. String					
Production String	4.5"	11.6 lb	Surface	11006 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 at 6191 FT to 6201 FT
Log ran with 0 PSI at surface


Thank you for choosing The Wireline Group.

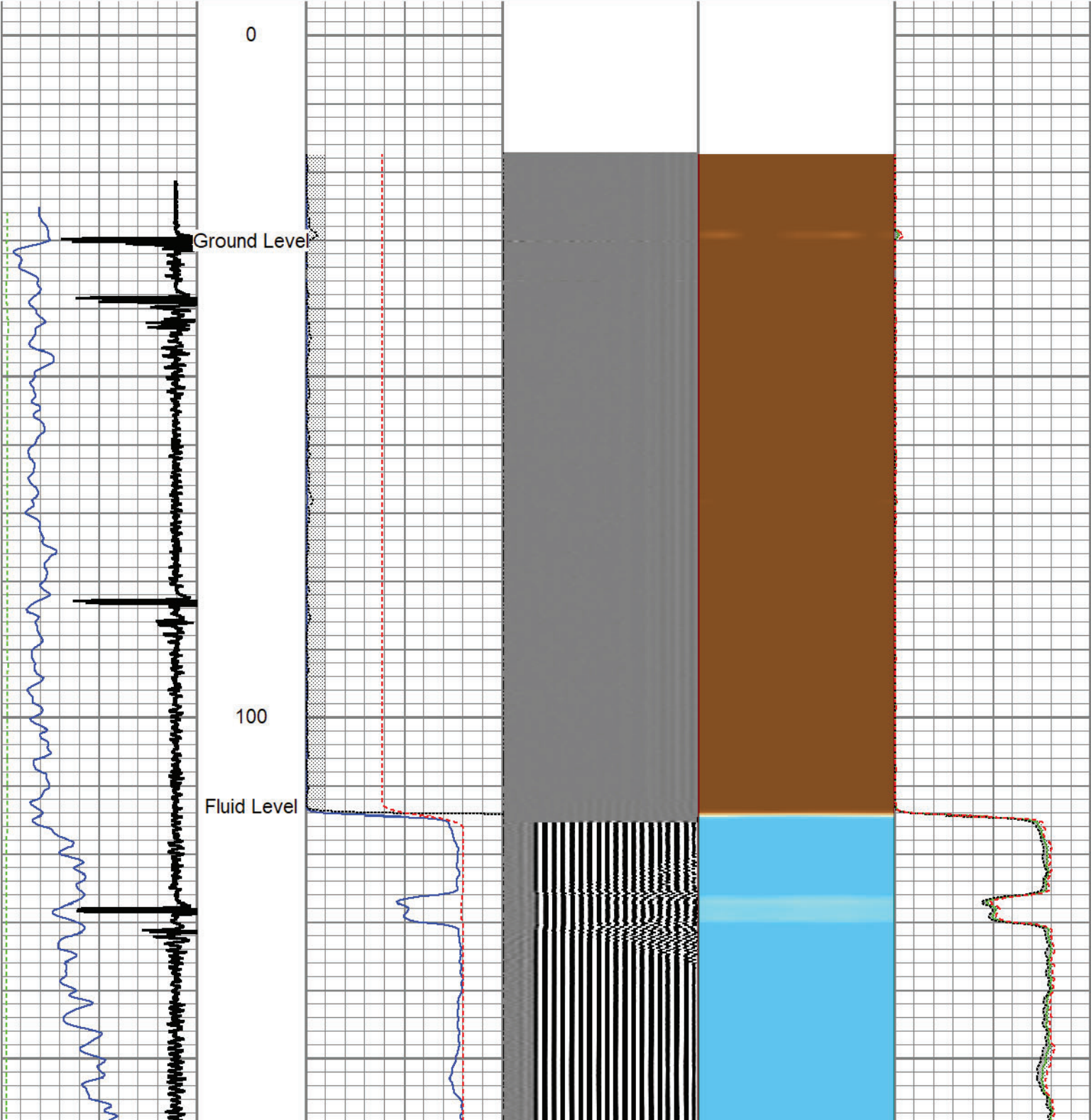


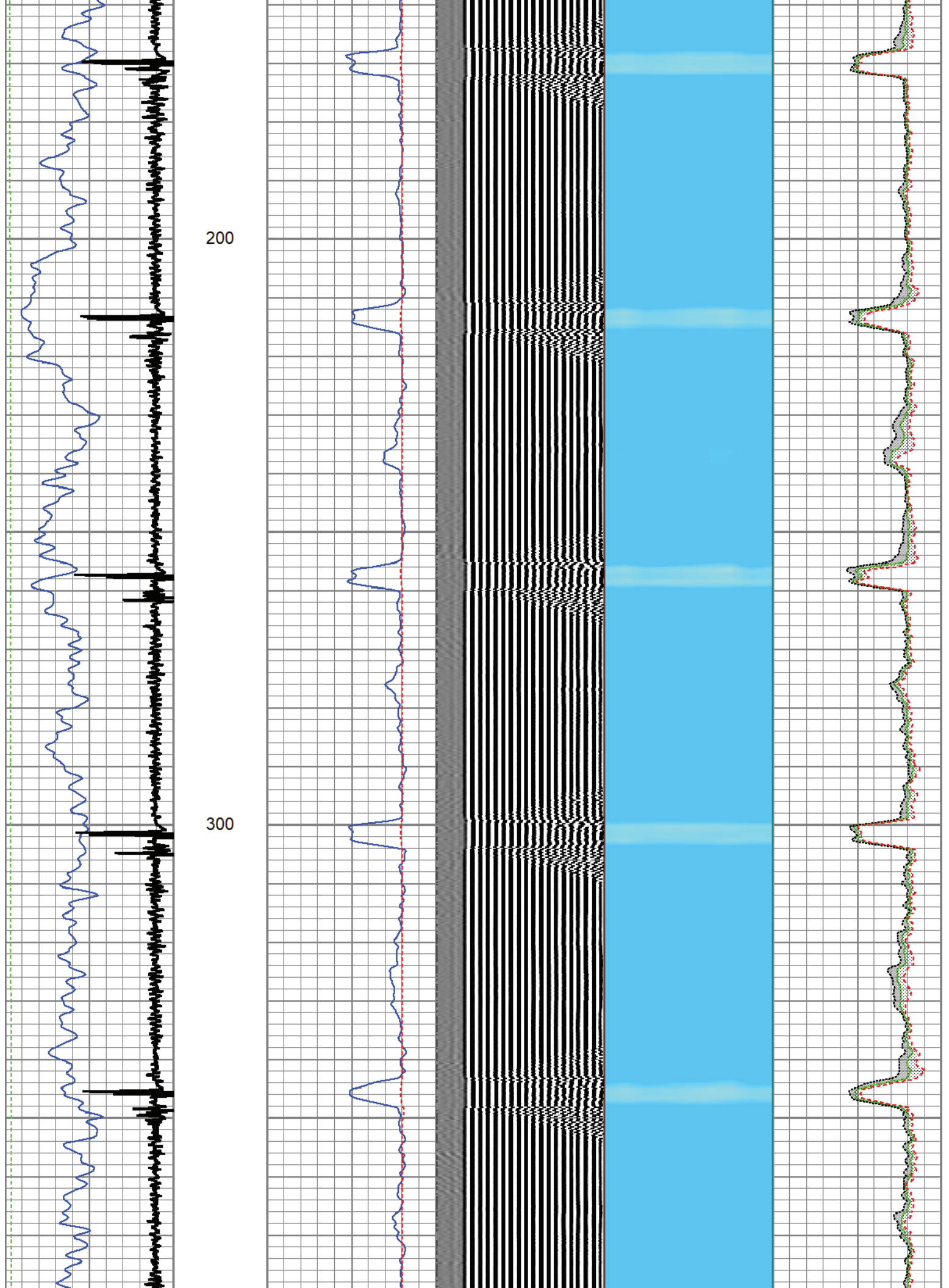
Main Pass 5" = 100"

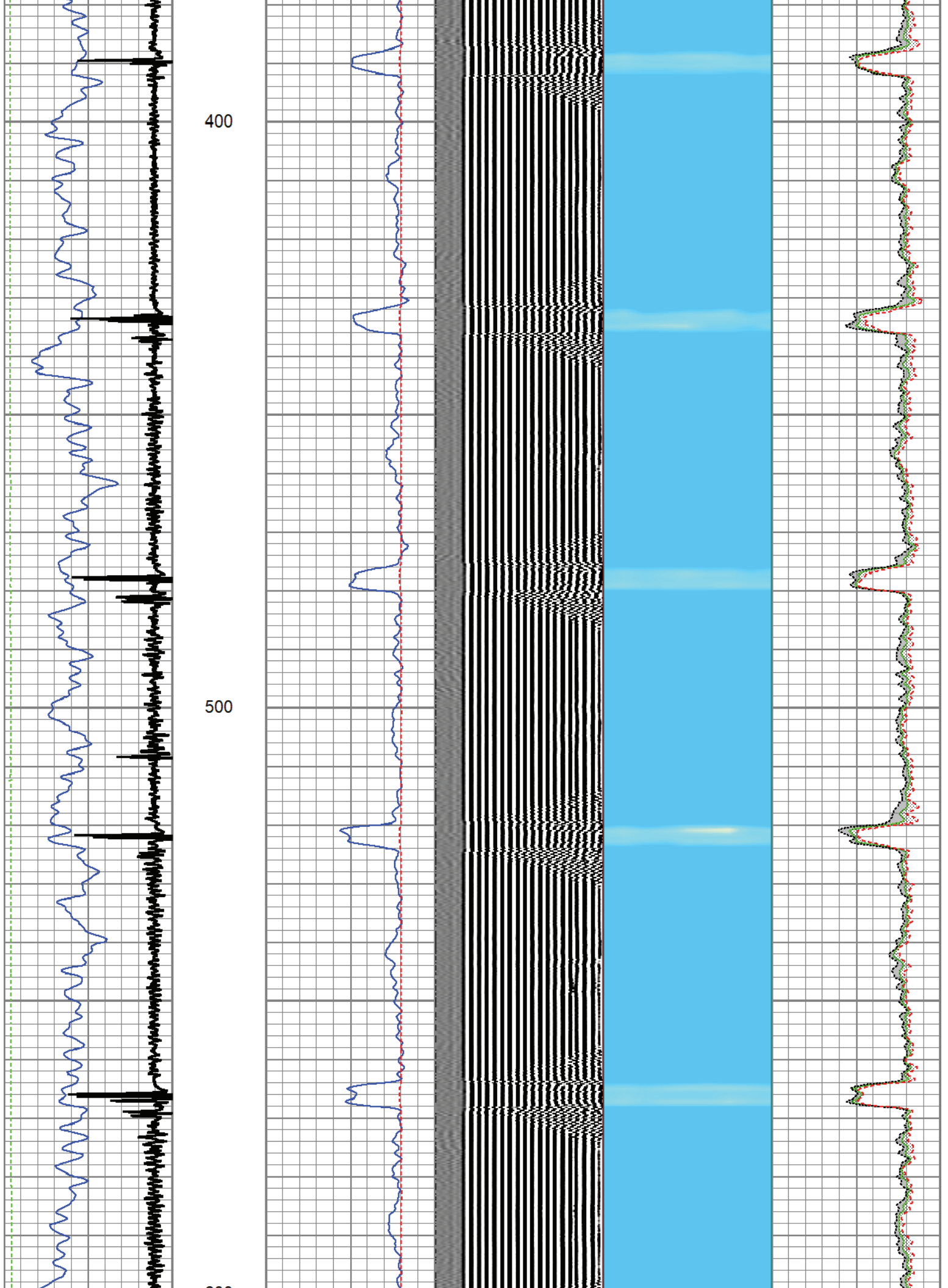
Database File
Dataset Pathname
Presentation Format
Dataset Creation
Charted by

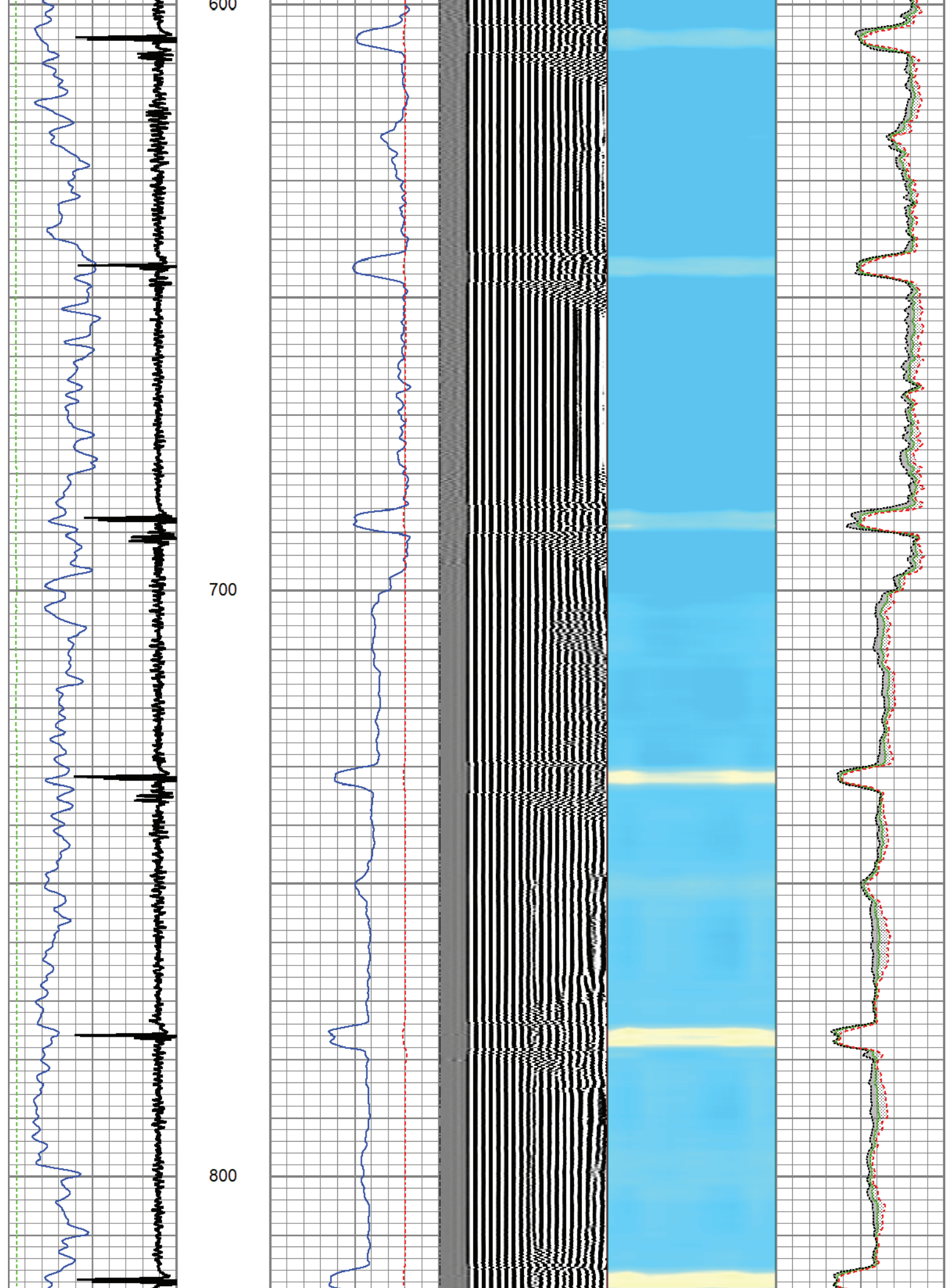
tep_nr 433-4_rcbl_7-8-2022.db
main
twgrcbl
Fri Jul 08 22:53:18 2022
Depth in Feet scaled 1:240

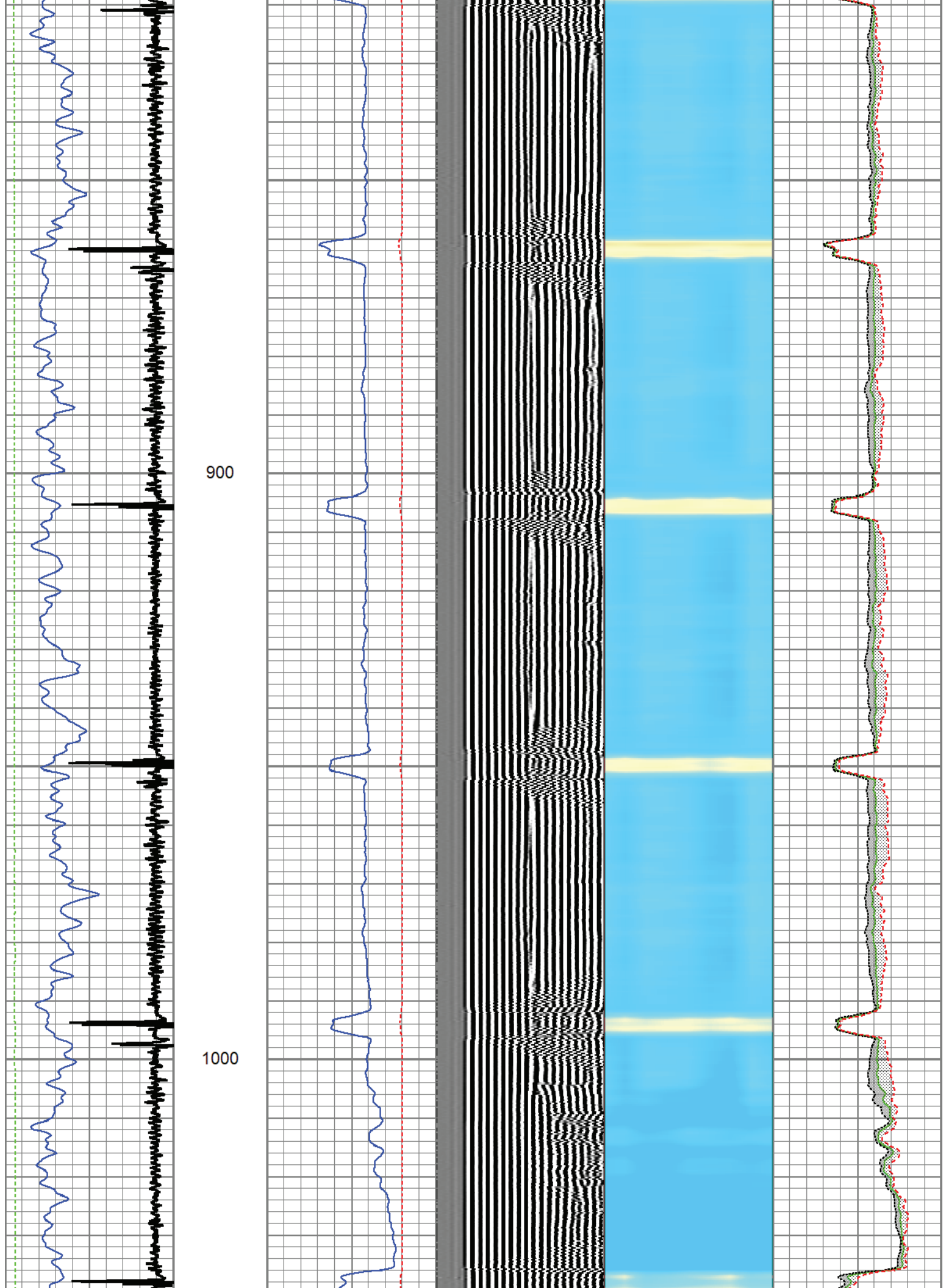
Gamma Ray			3' Amplitude		5' Variable Density Log		Sector Map	Average Amplitude	
0	(GAPI)	200	0	(mV)	100	200 (usec)		1200	0
Line Tension			3' Amplitude x 5					Minimum Amplitude	
0	(lb)	4000	0	(mV)	20			0	120
-9 CCL\$1 1			3' Travel Time					Maximum Amplitude	
			650	(usec)	150			0	120

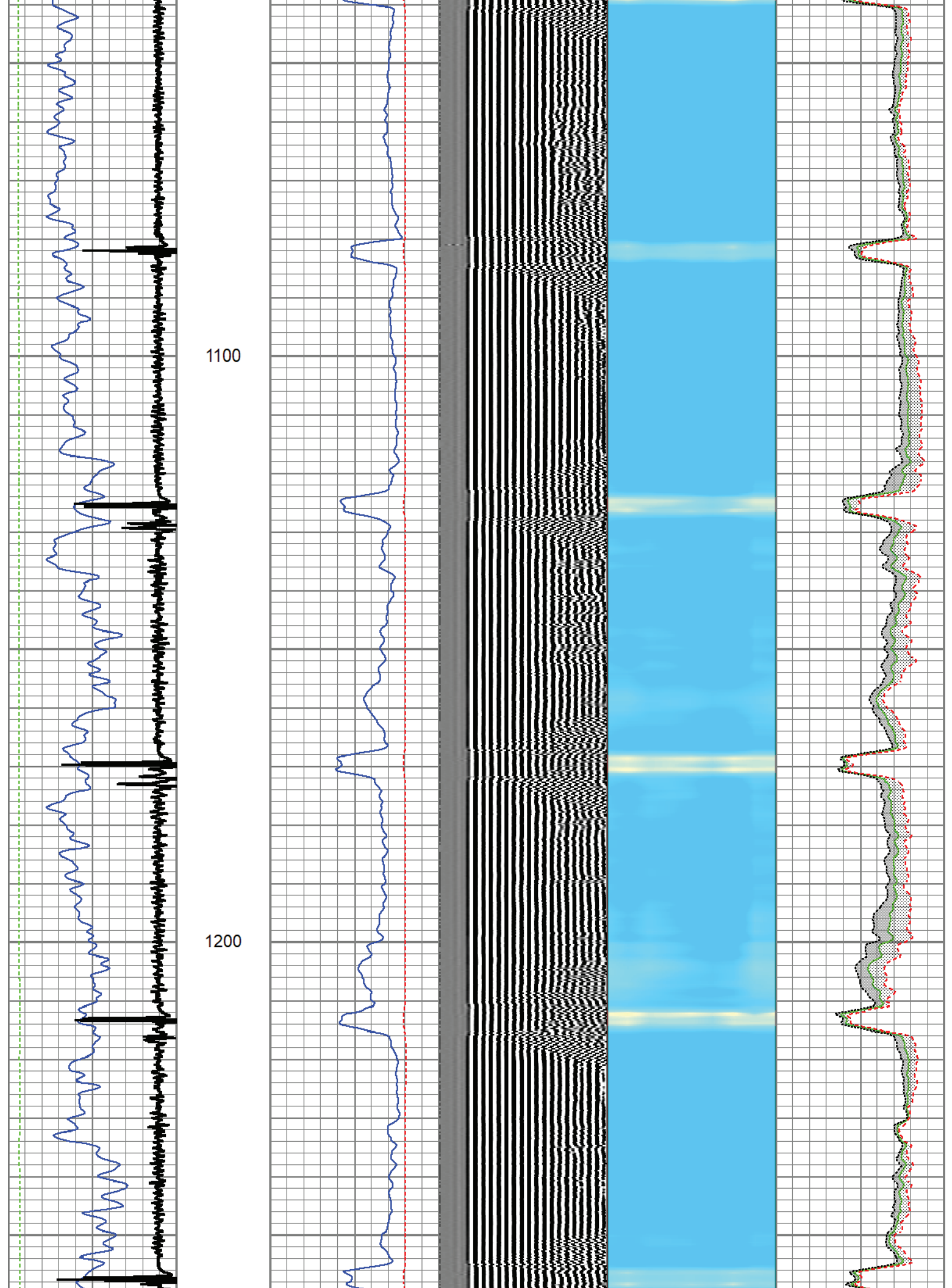


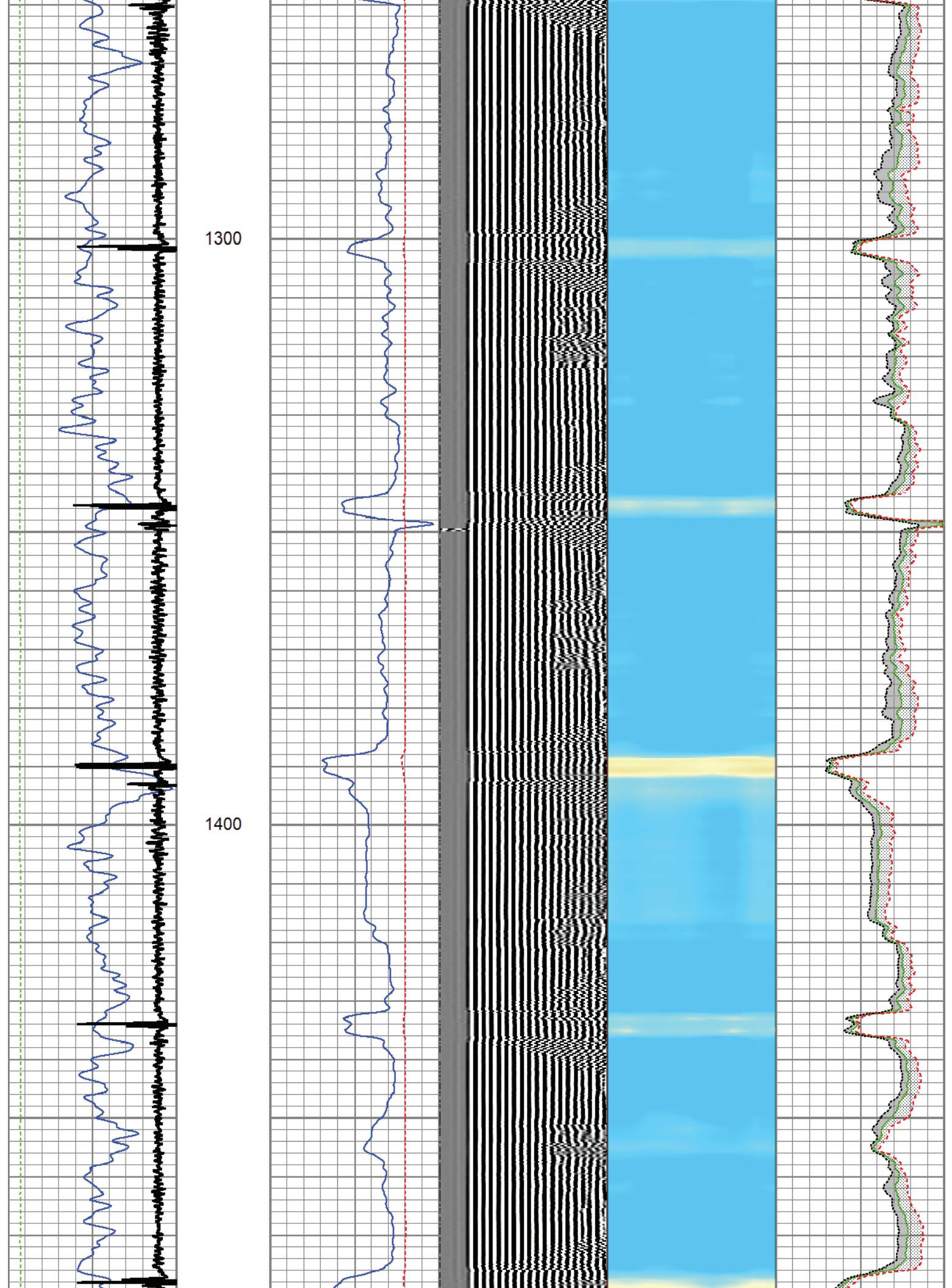


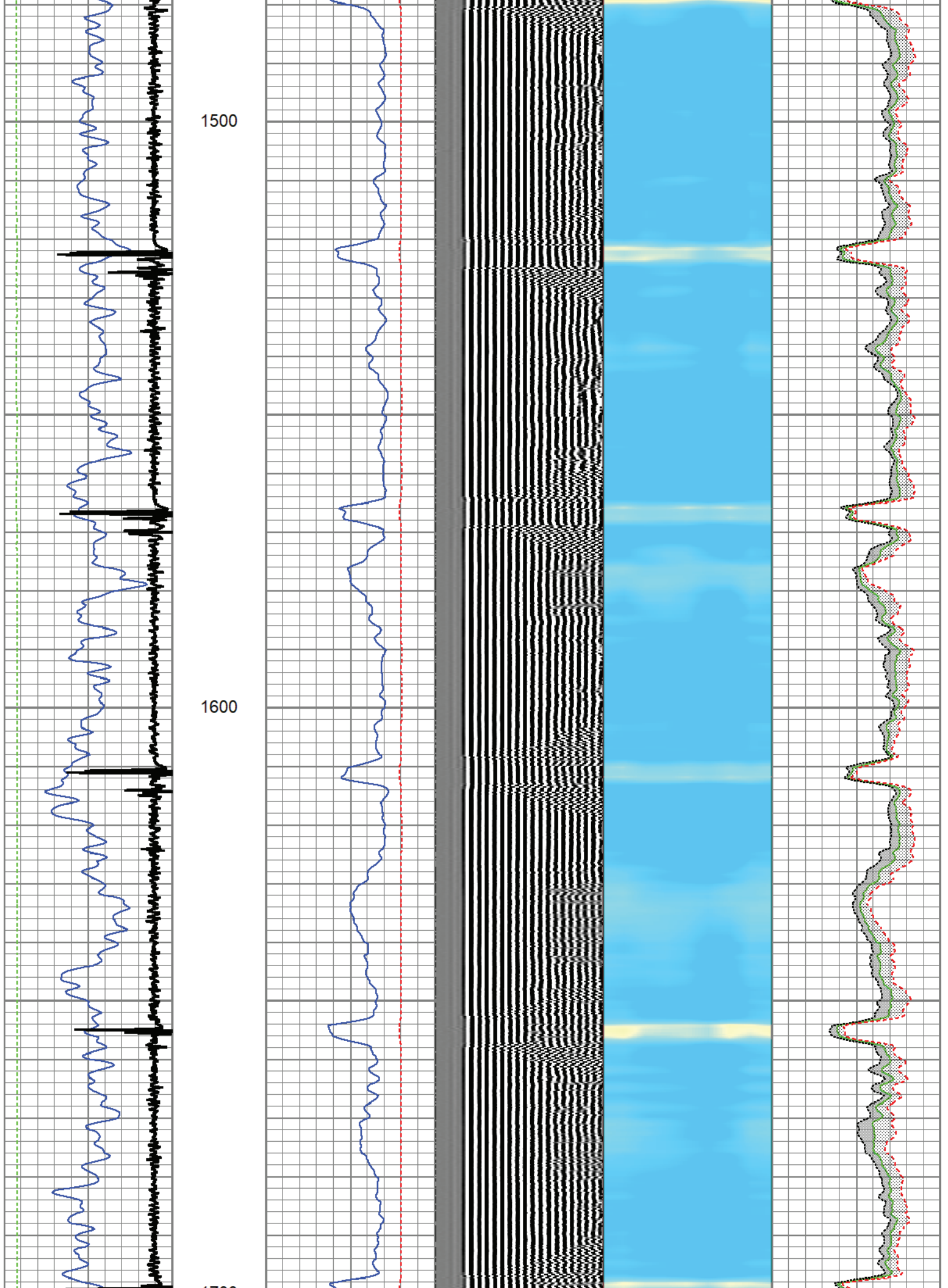


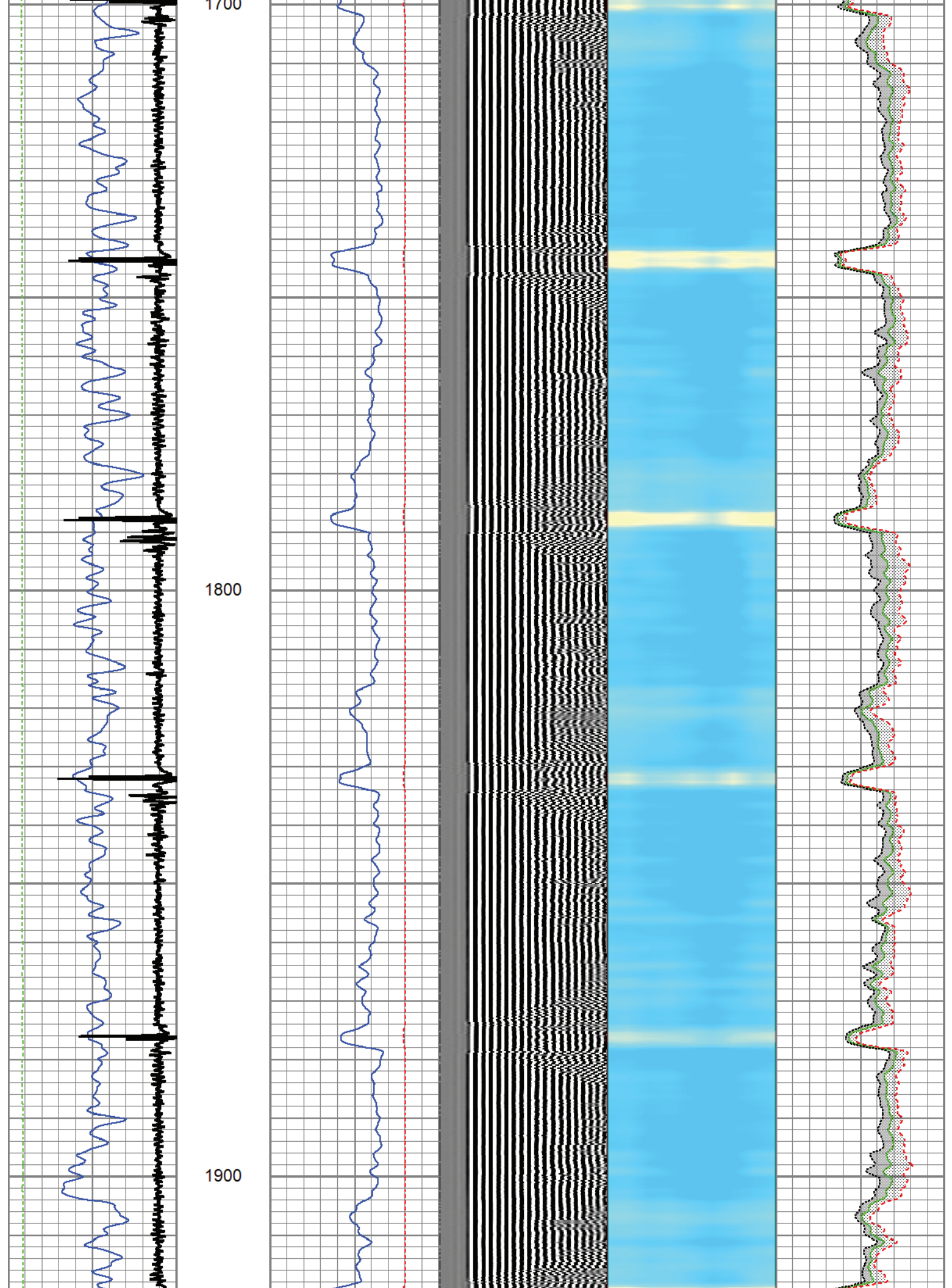


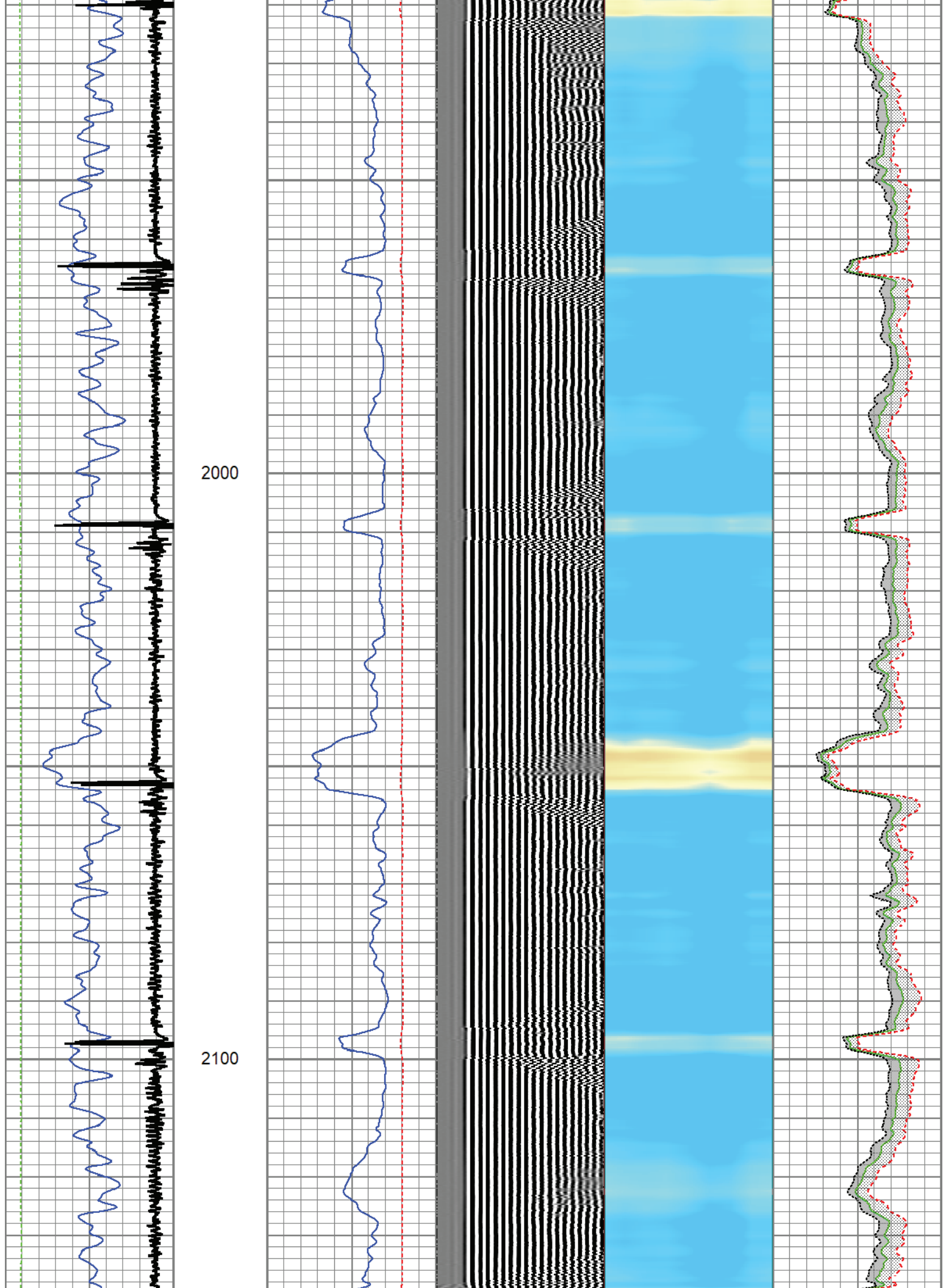






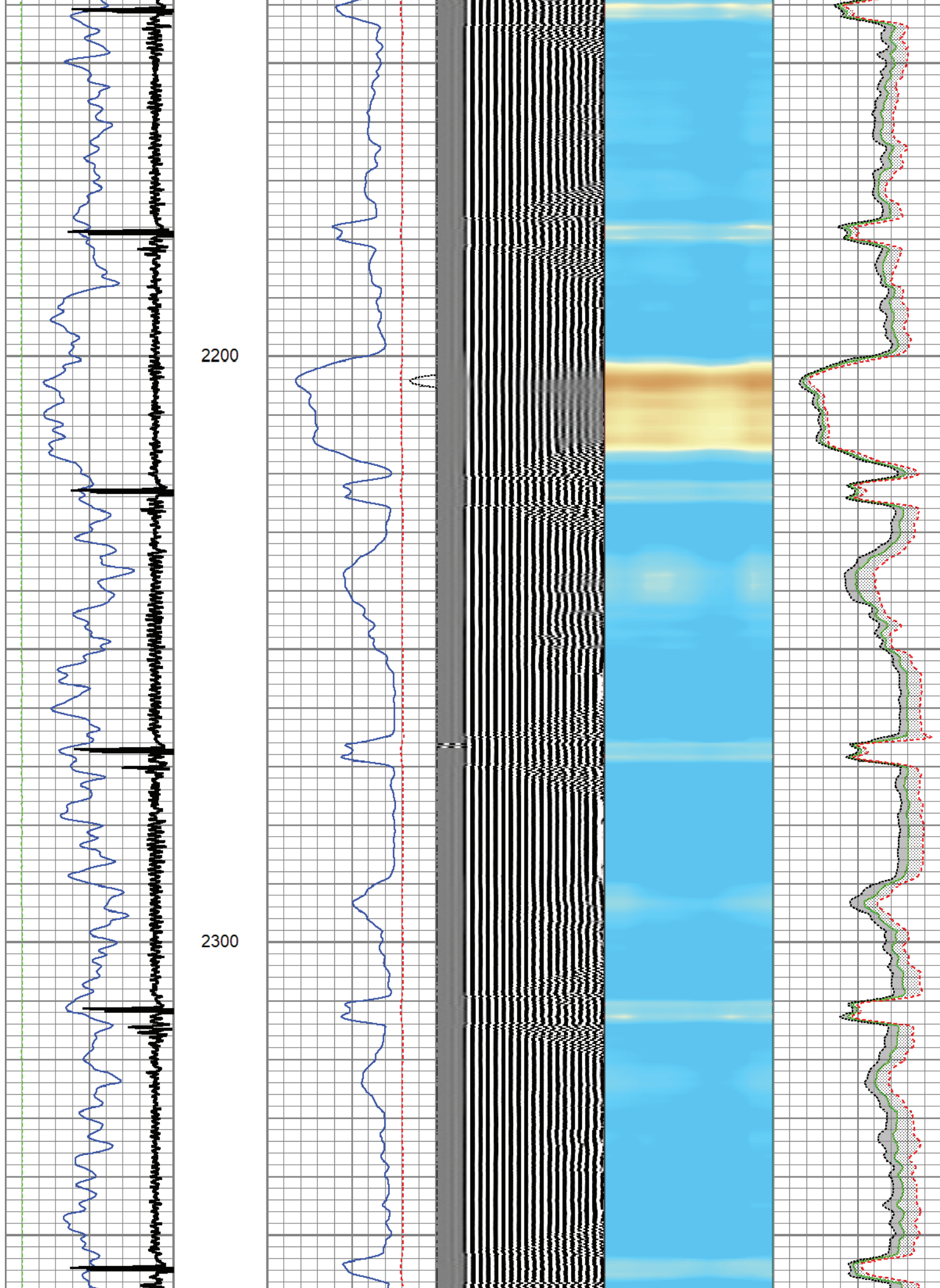


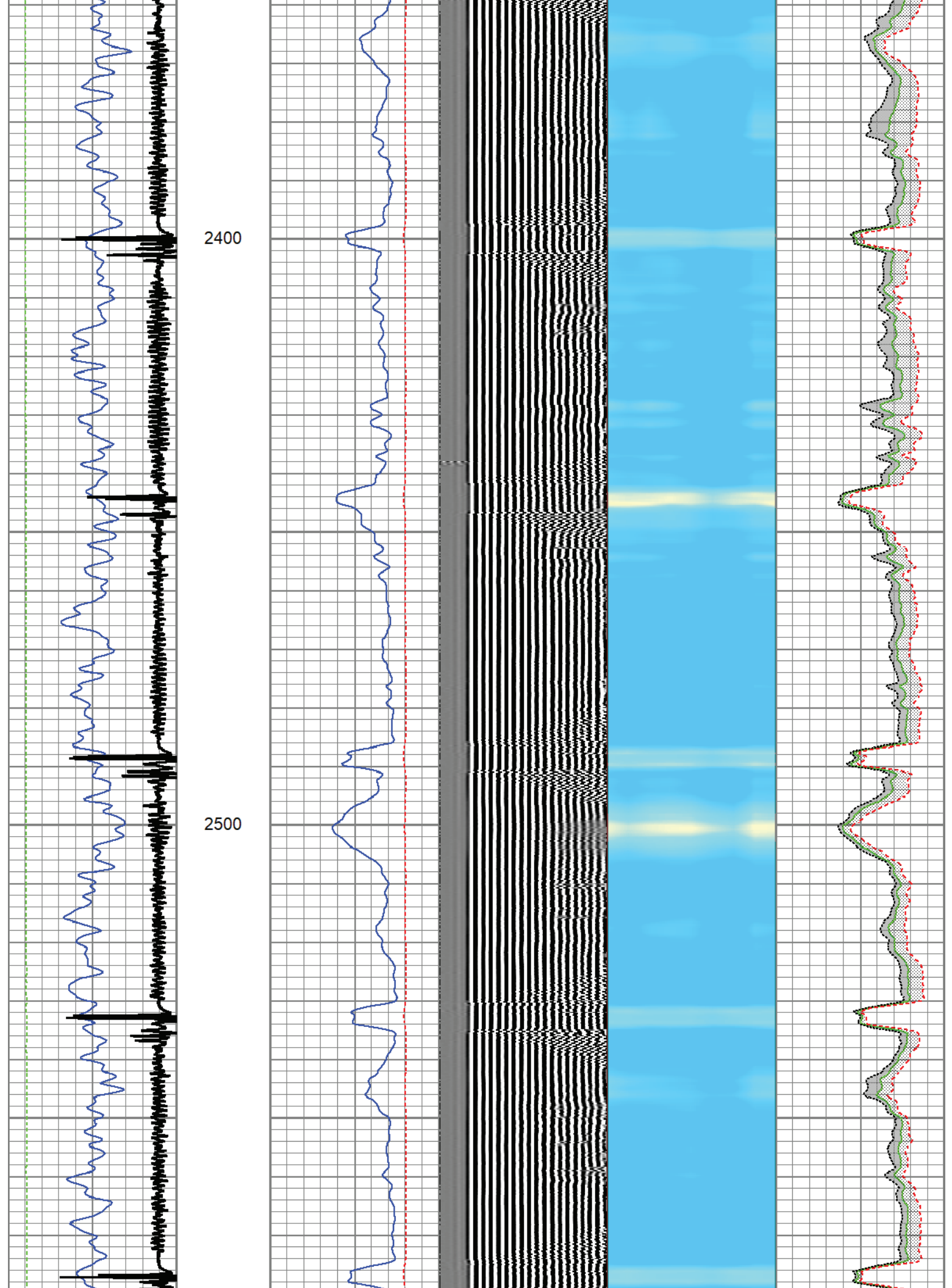


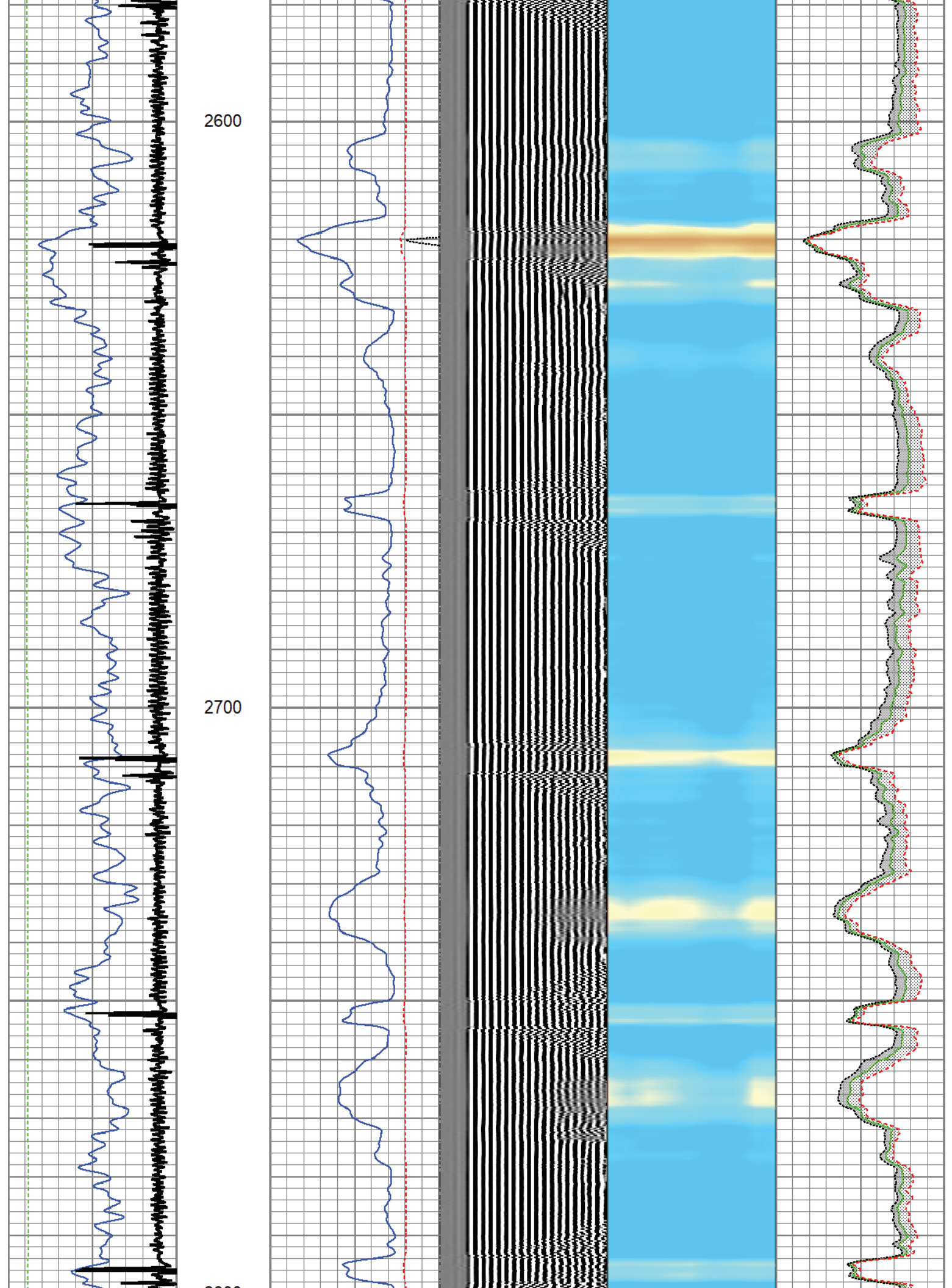


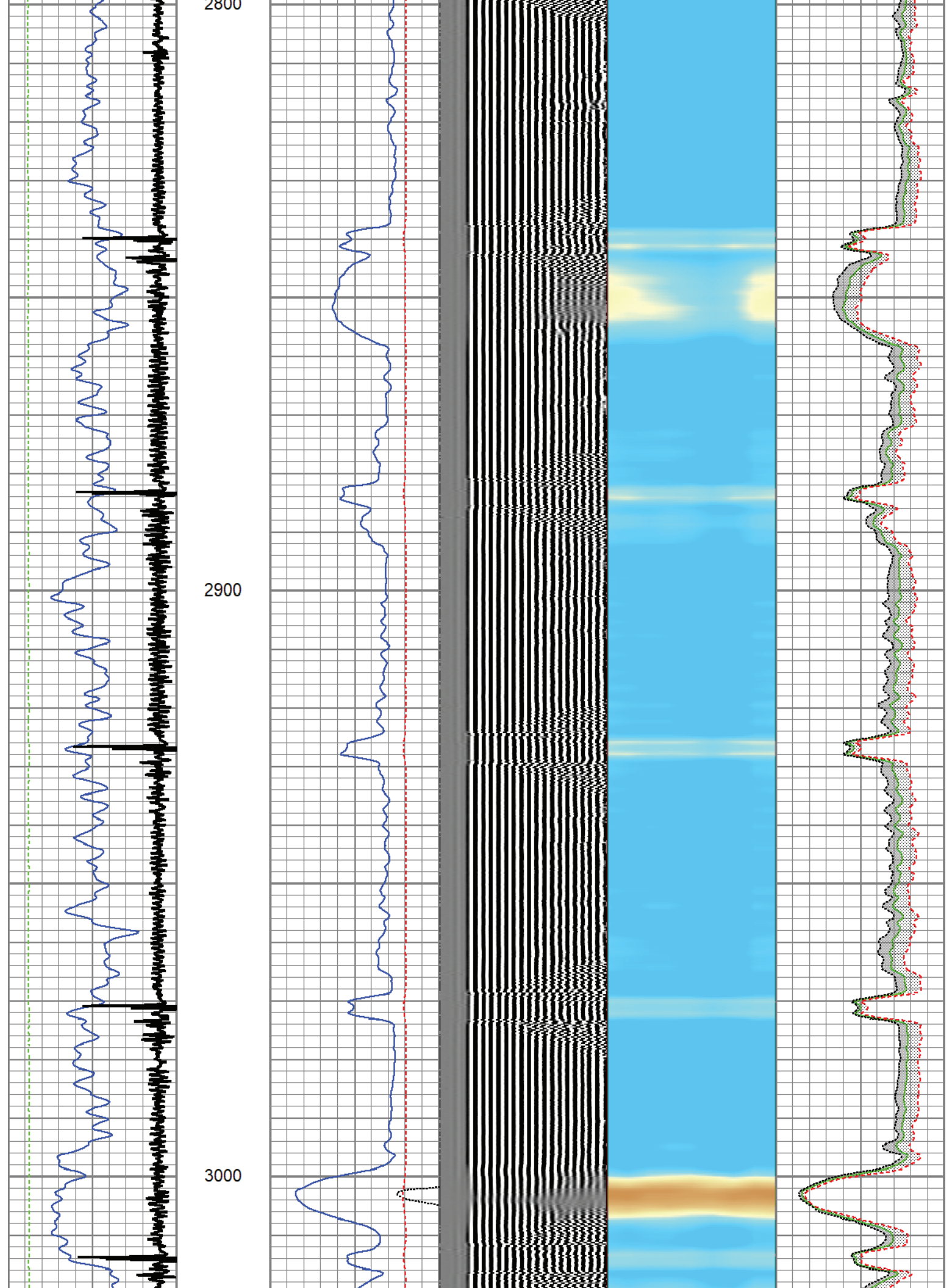
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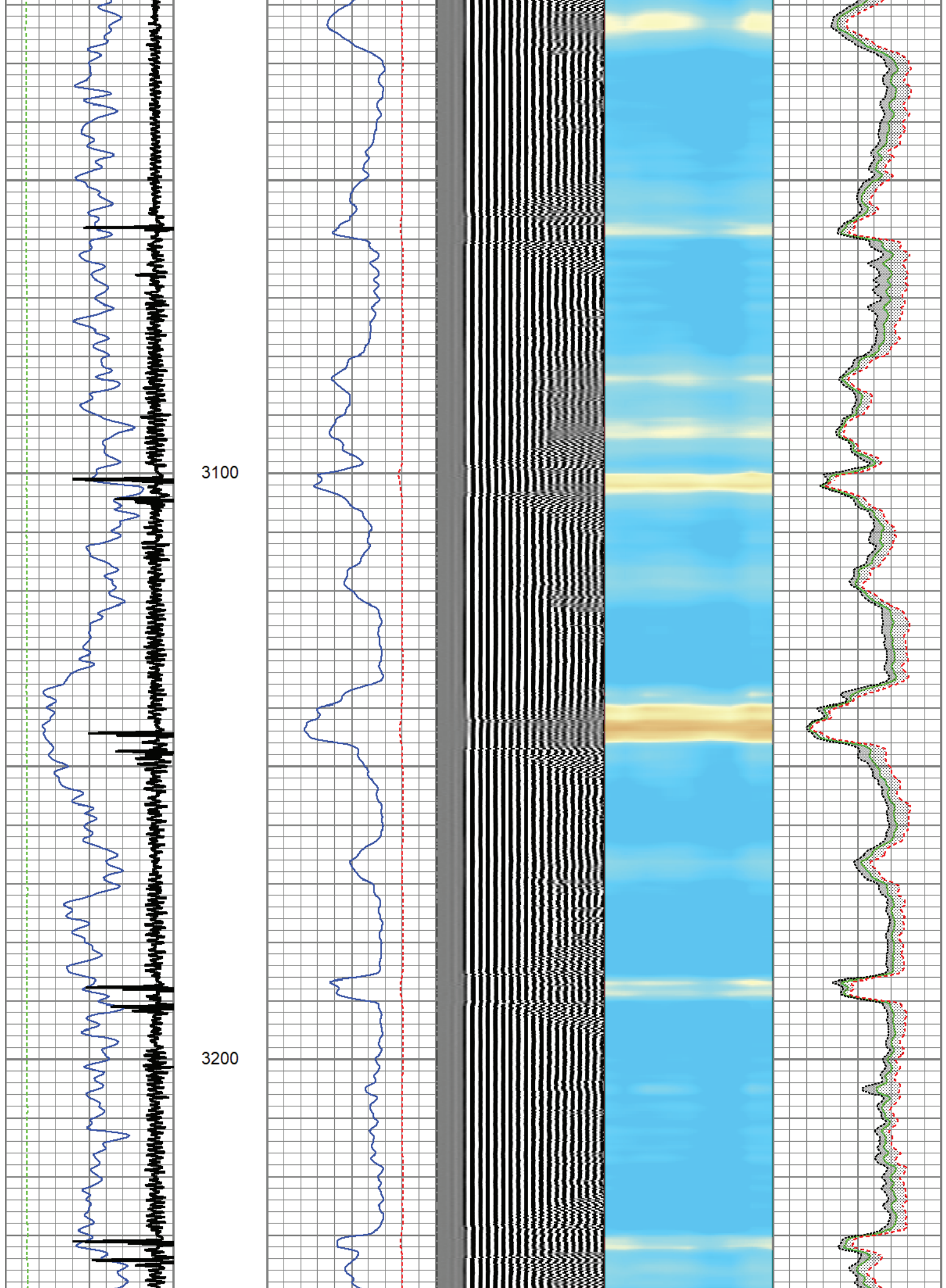
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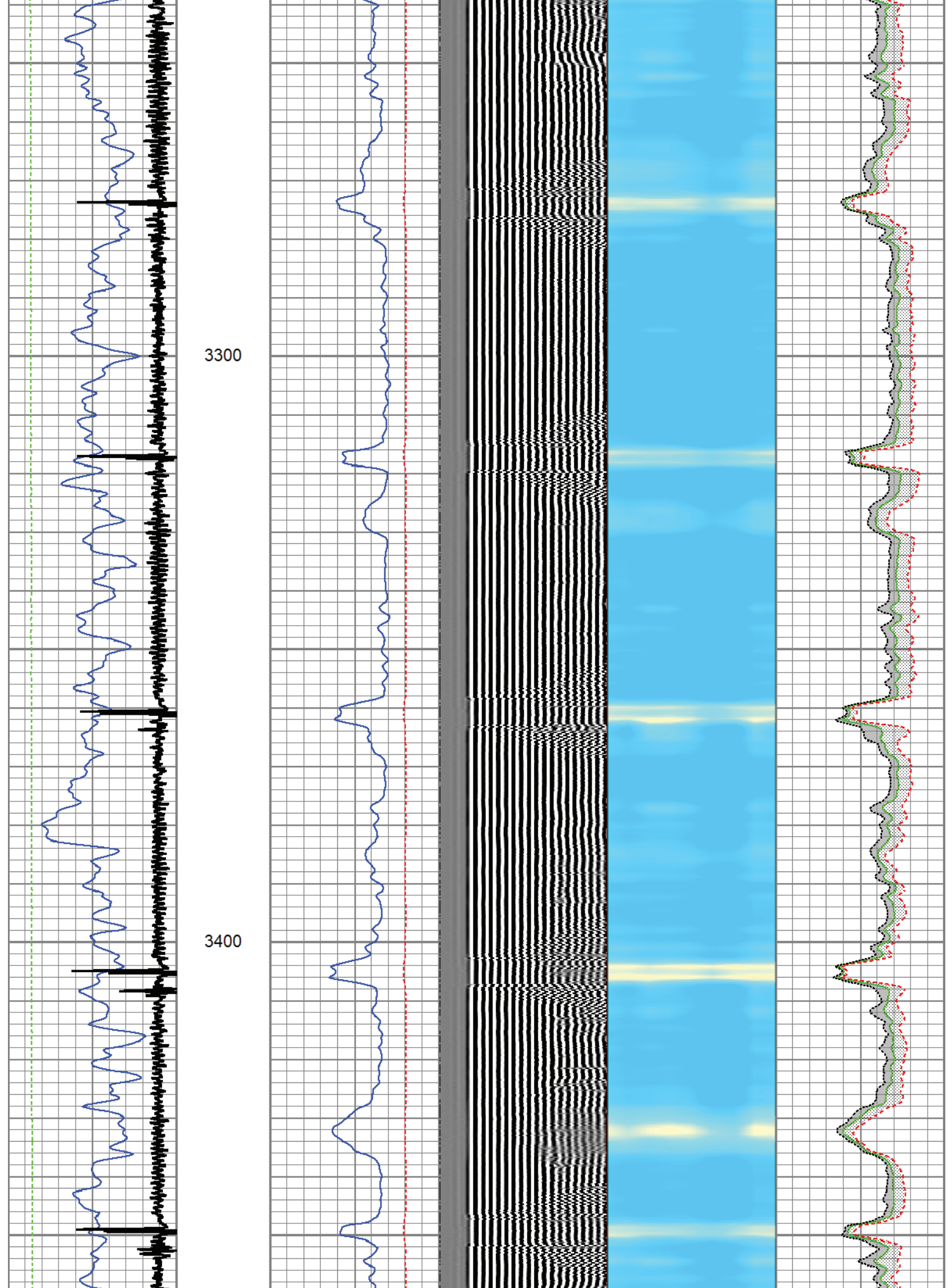


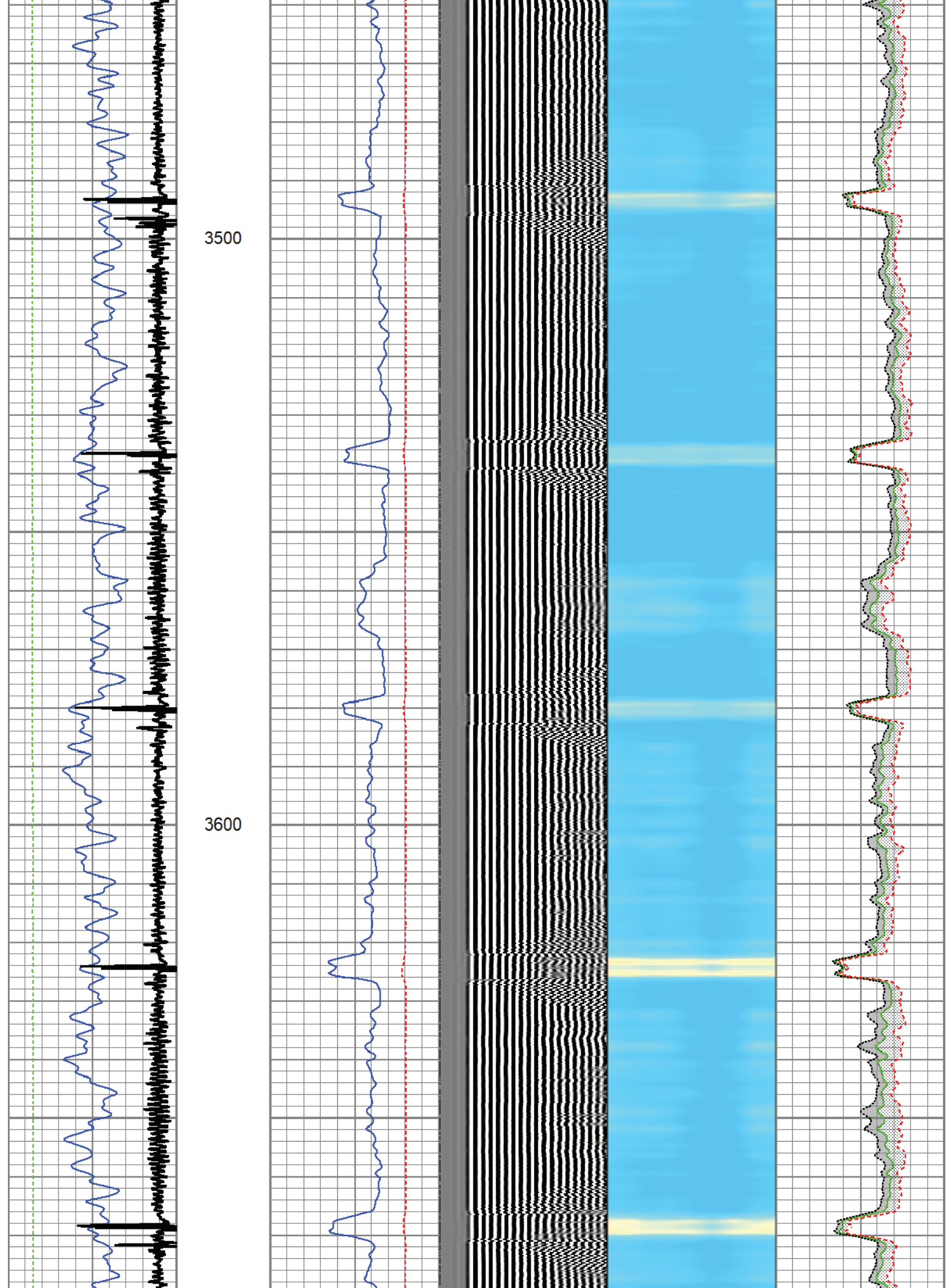


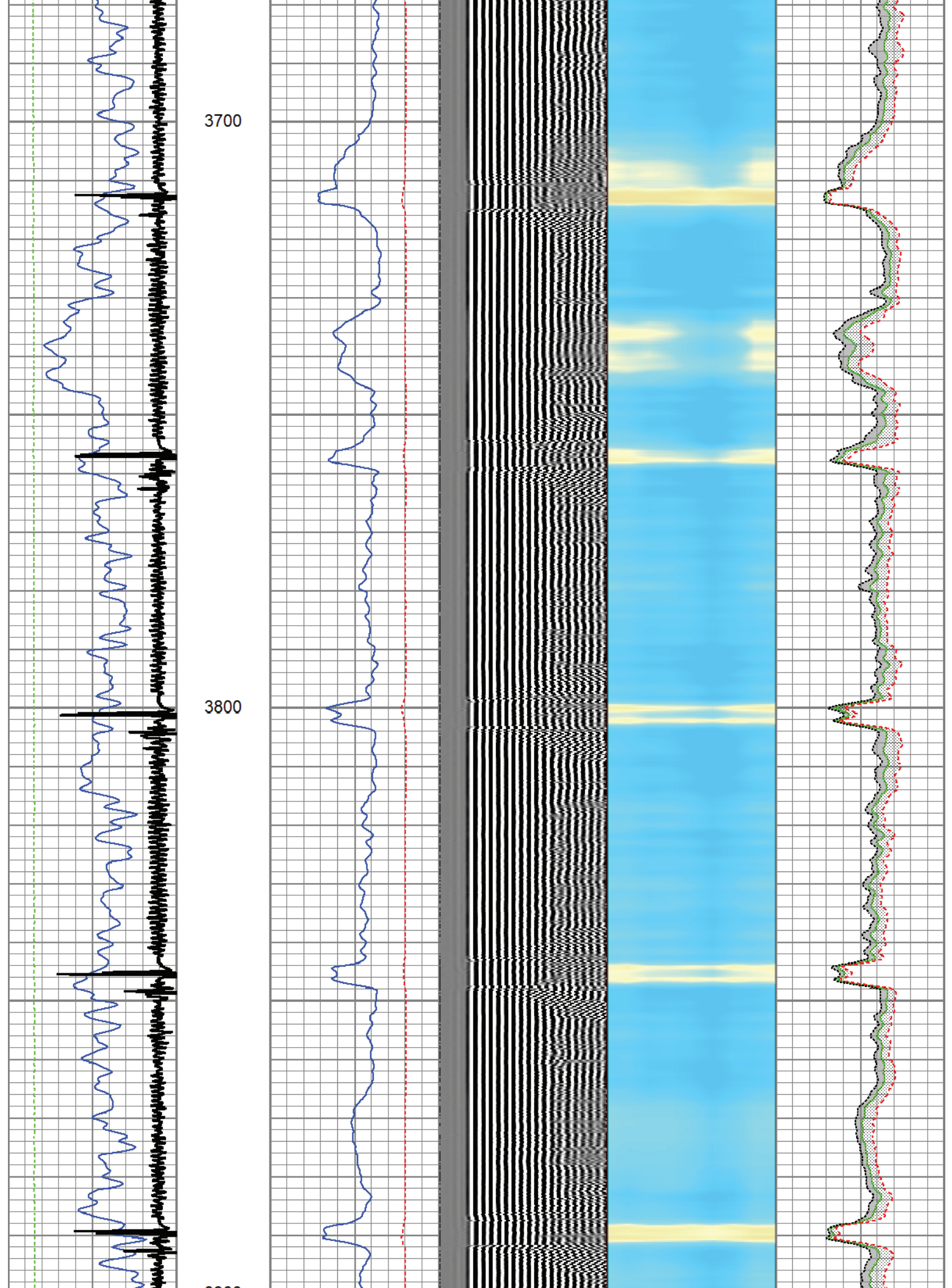








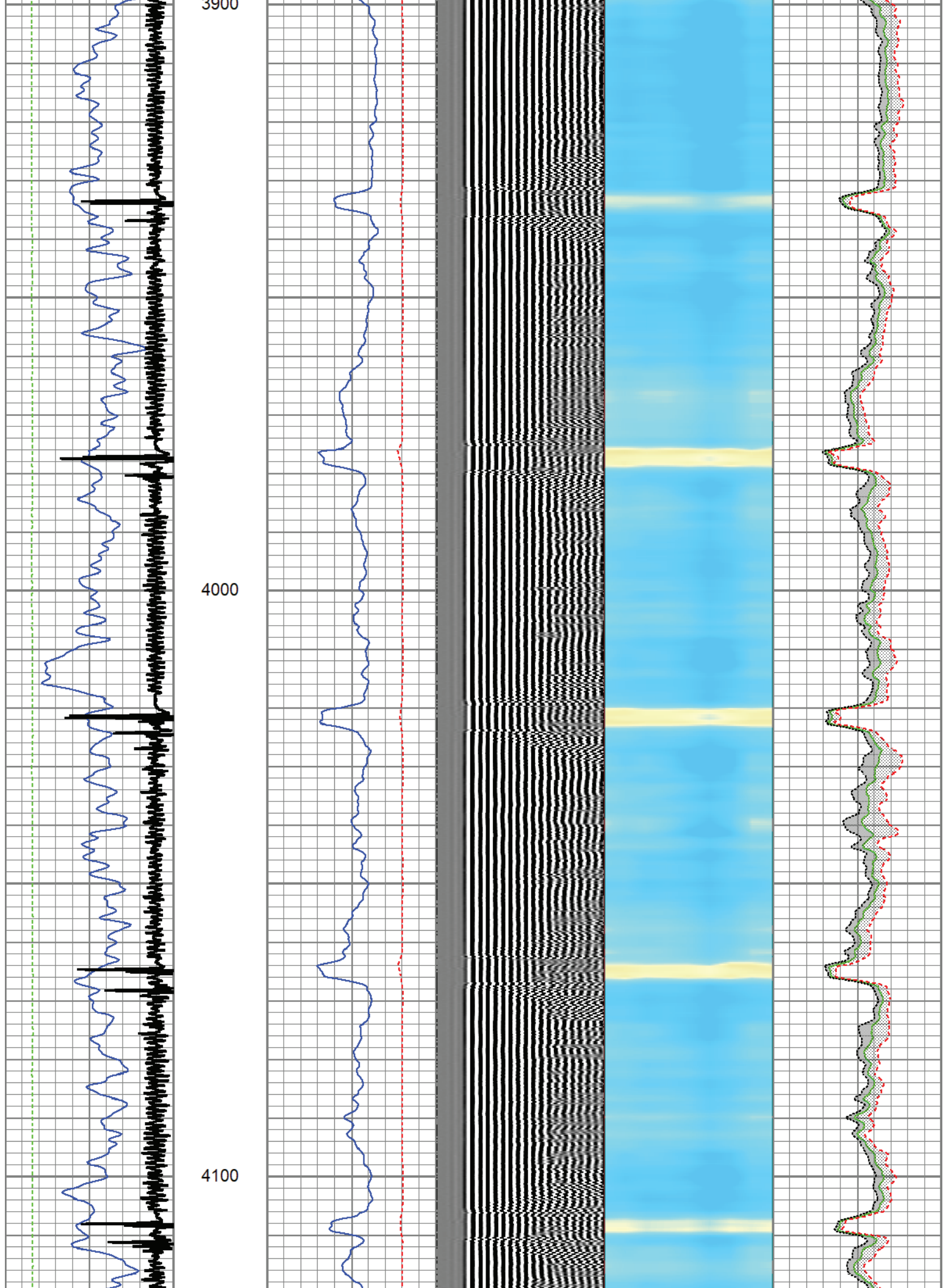


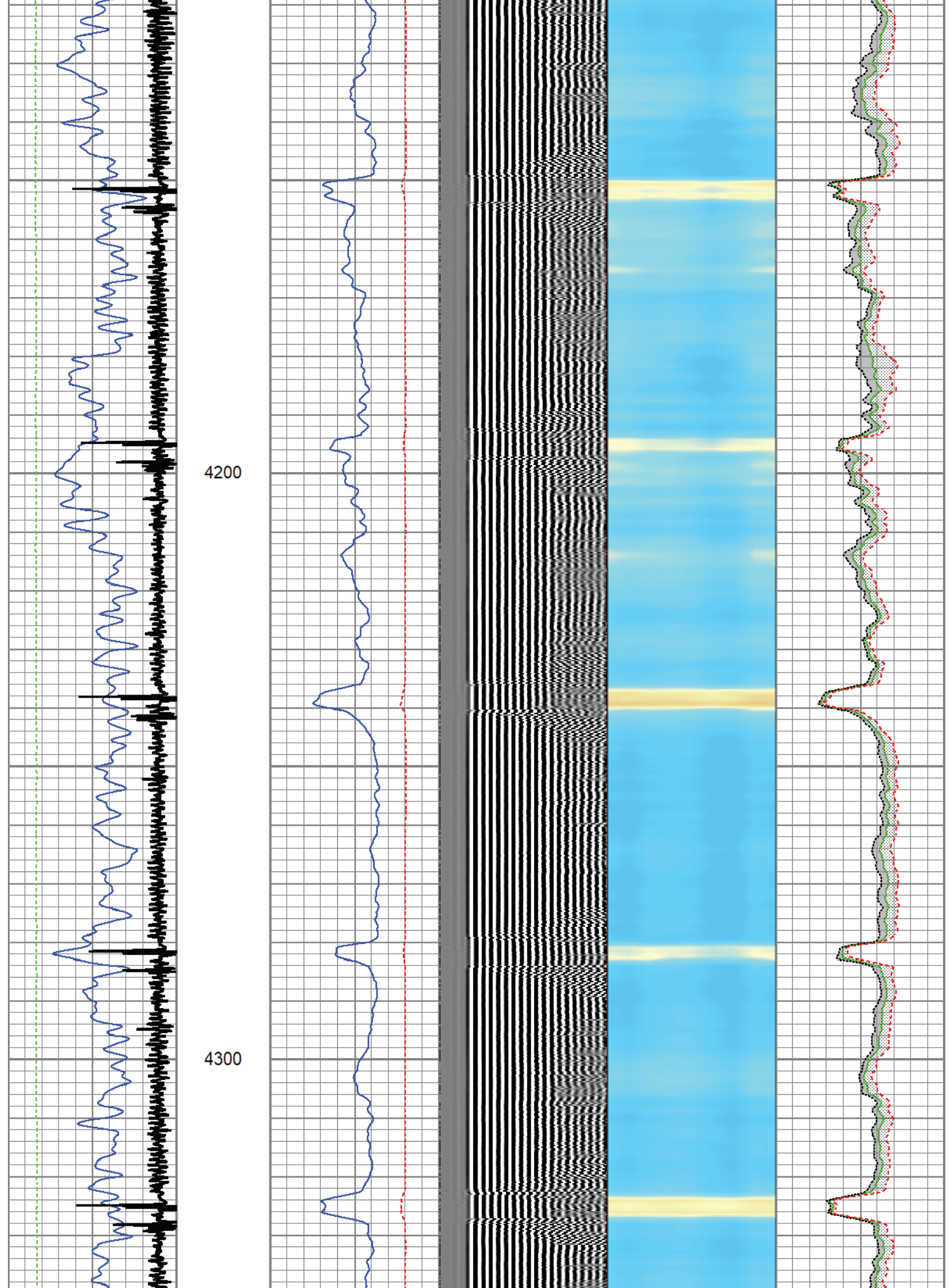


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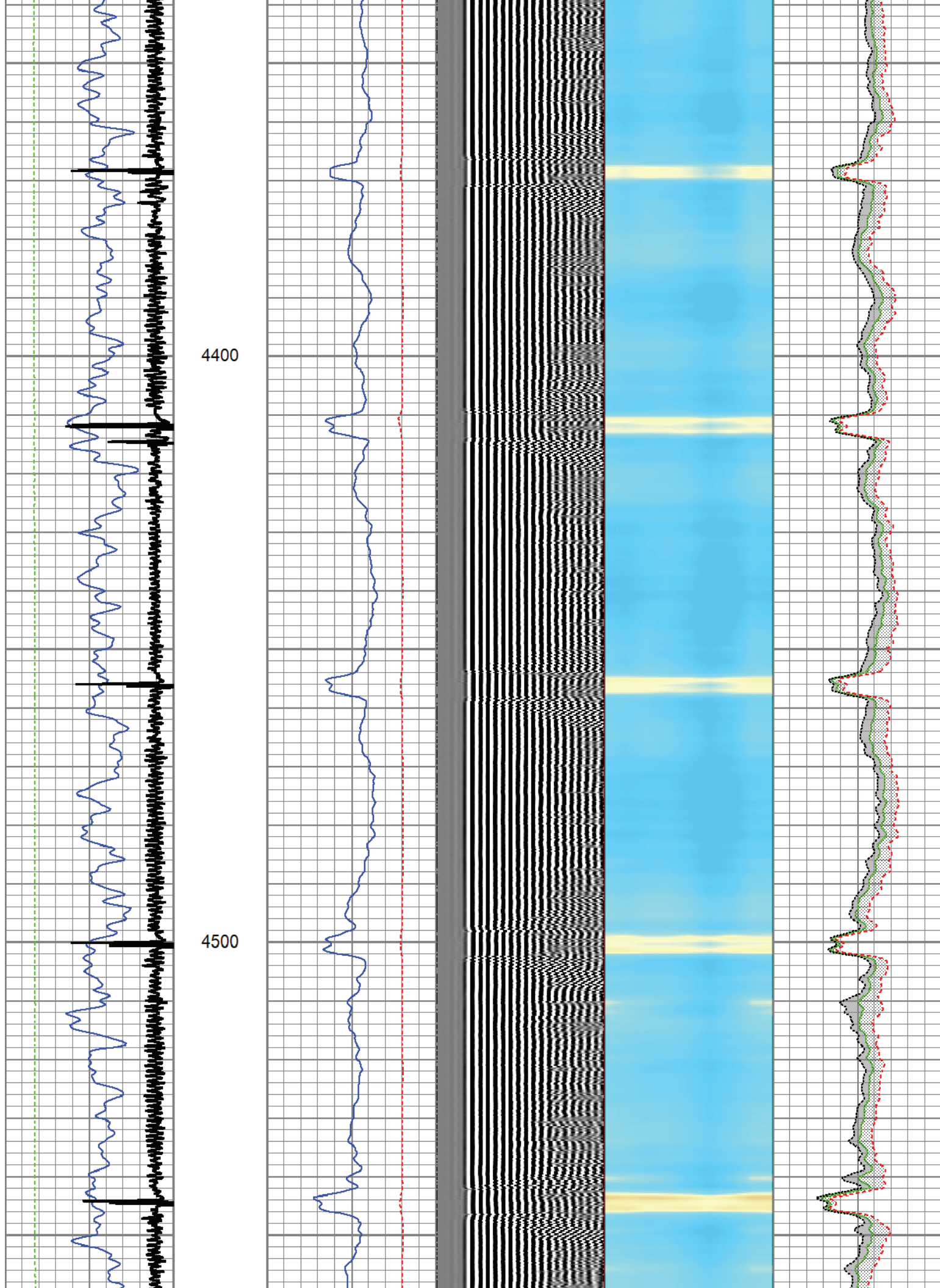
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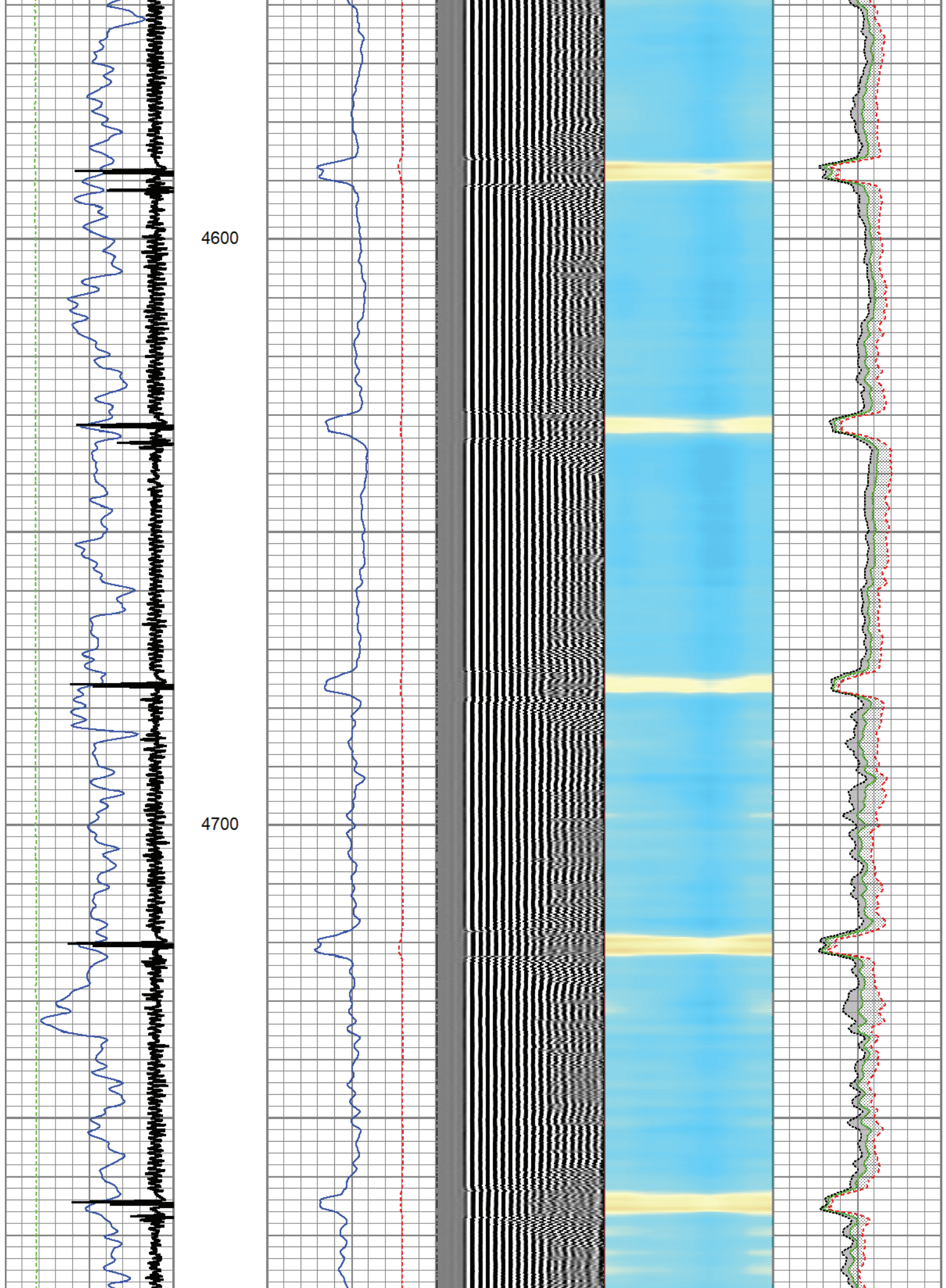
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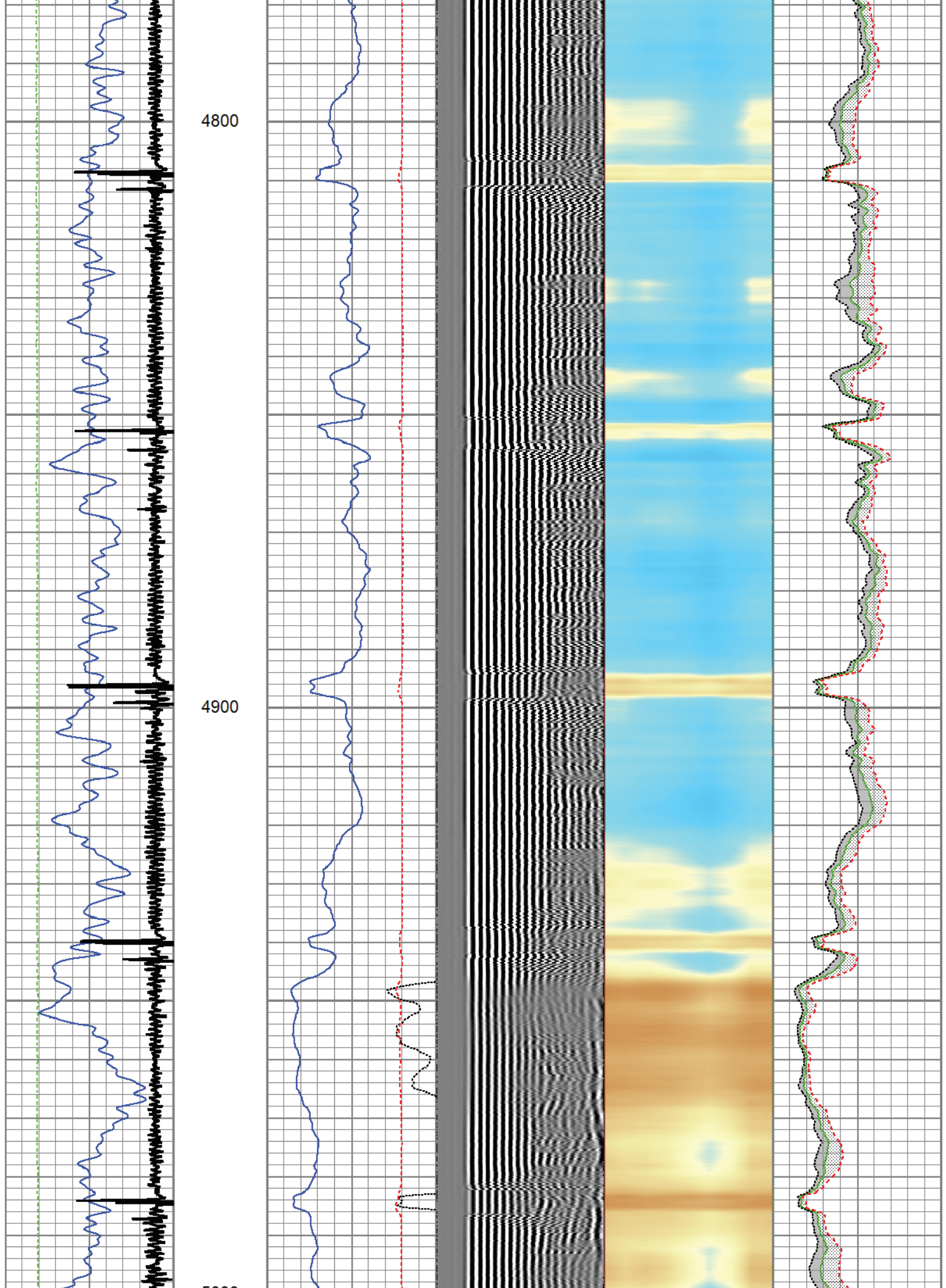
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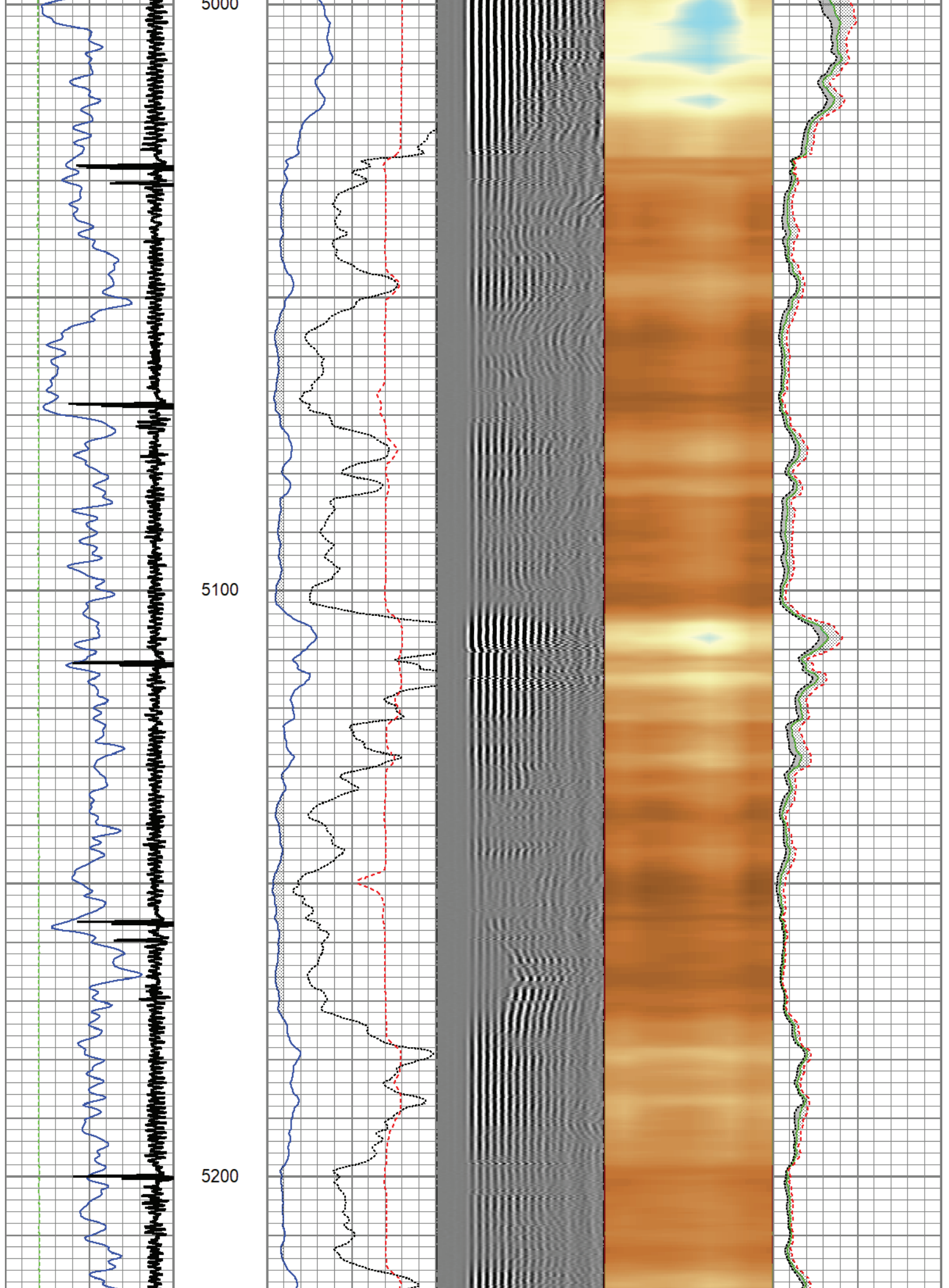


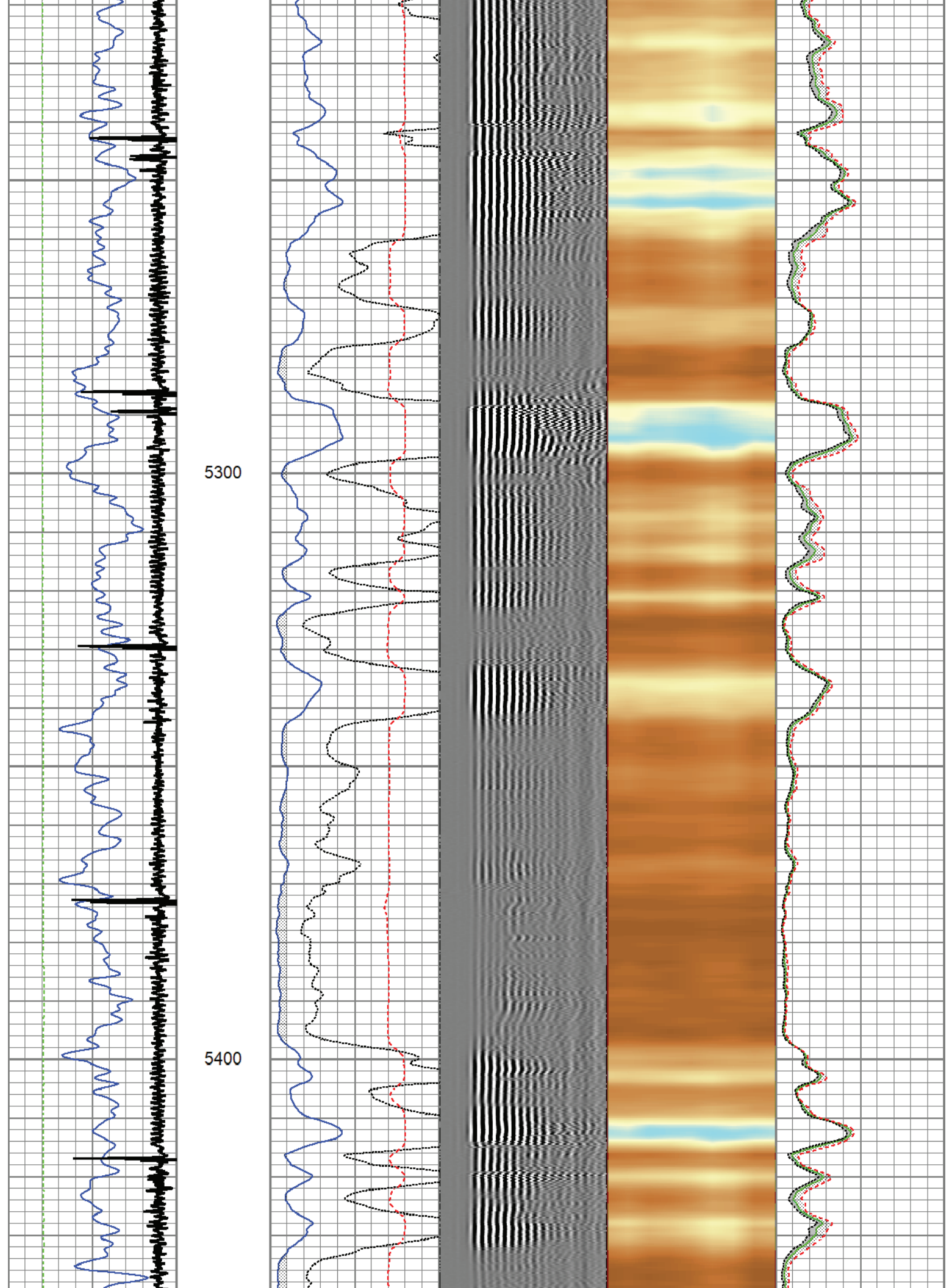
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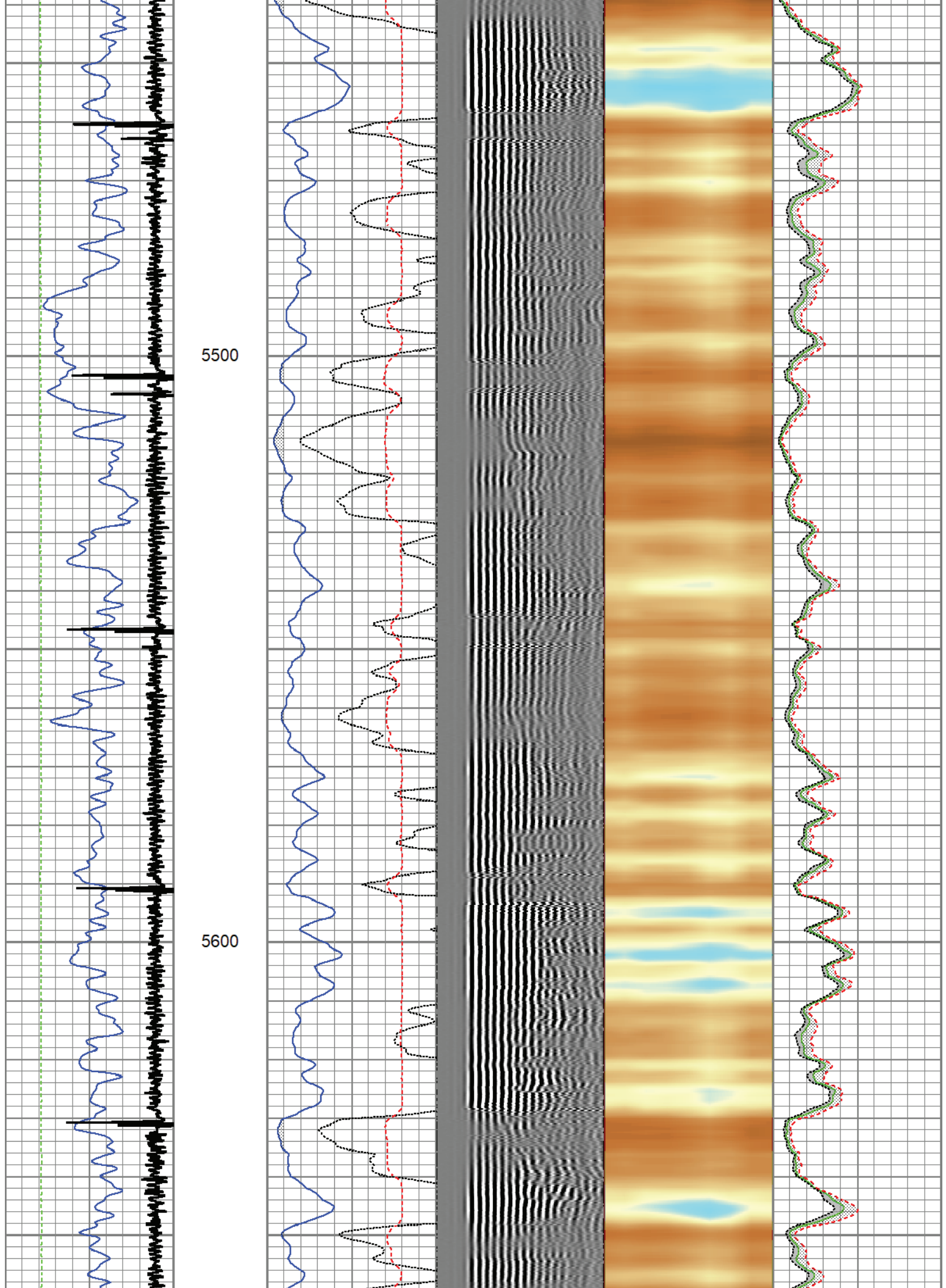
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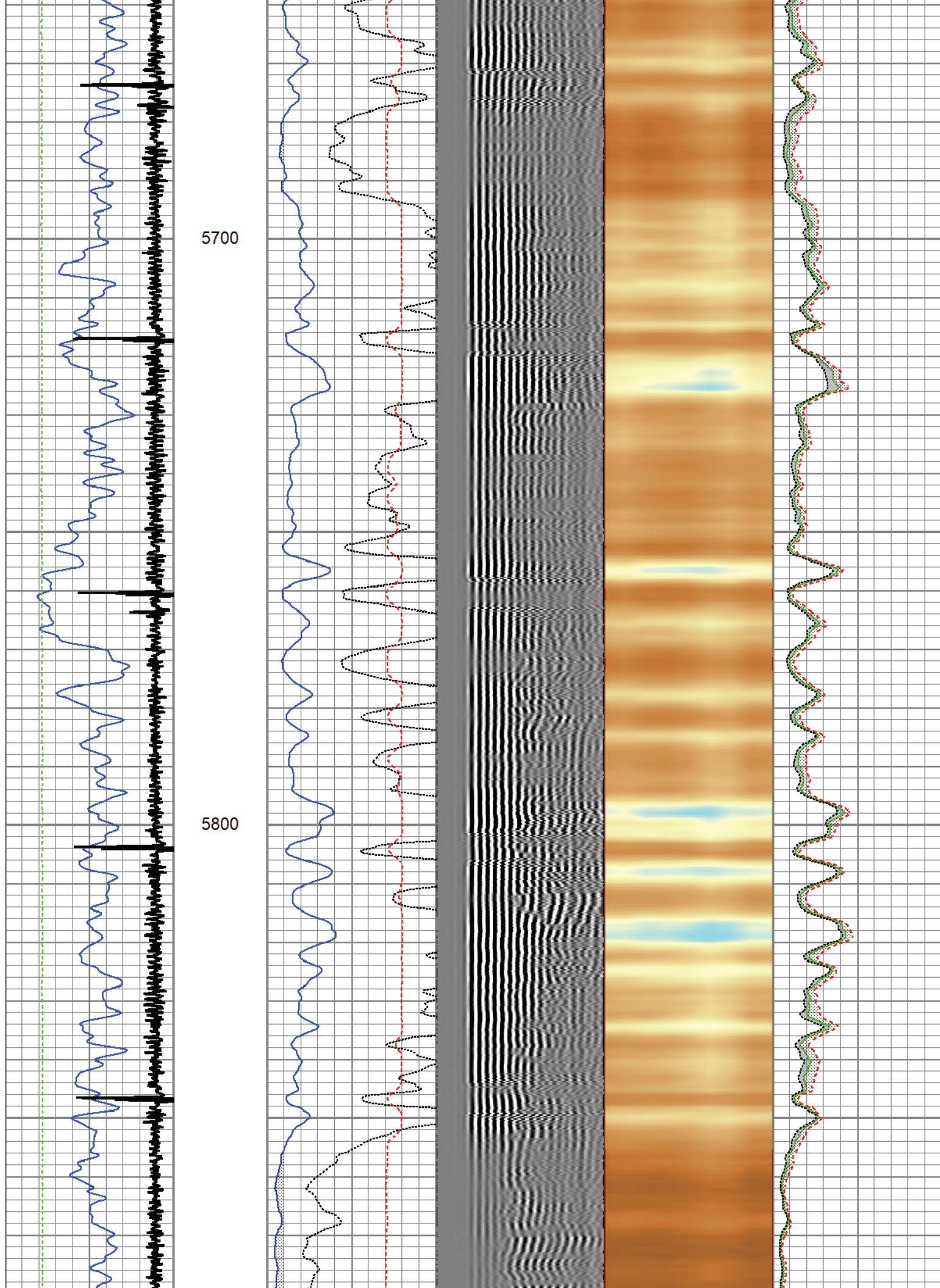


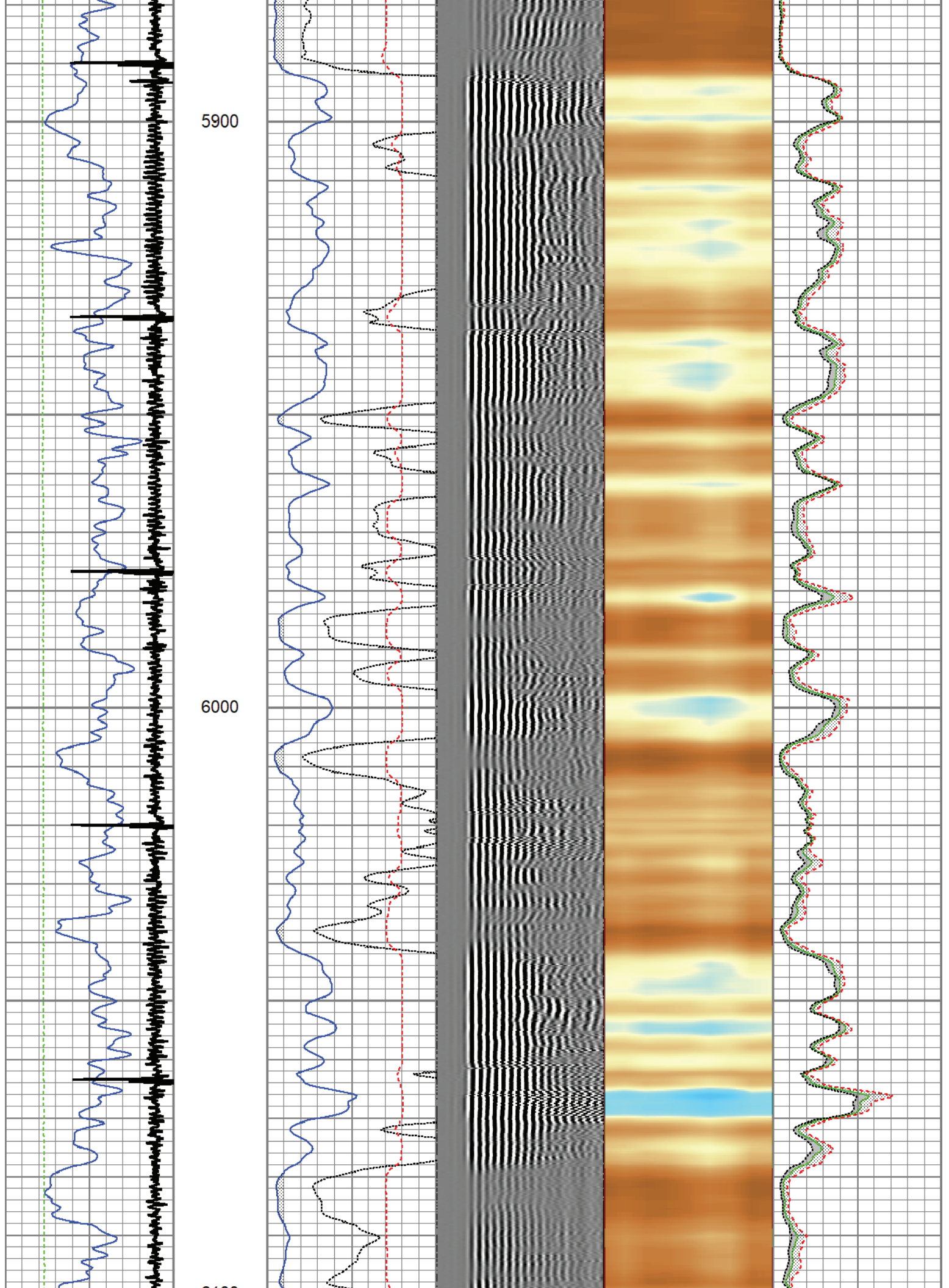




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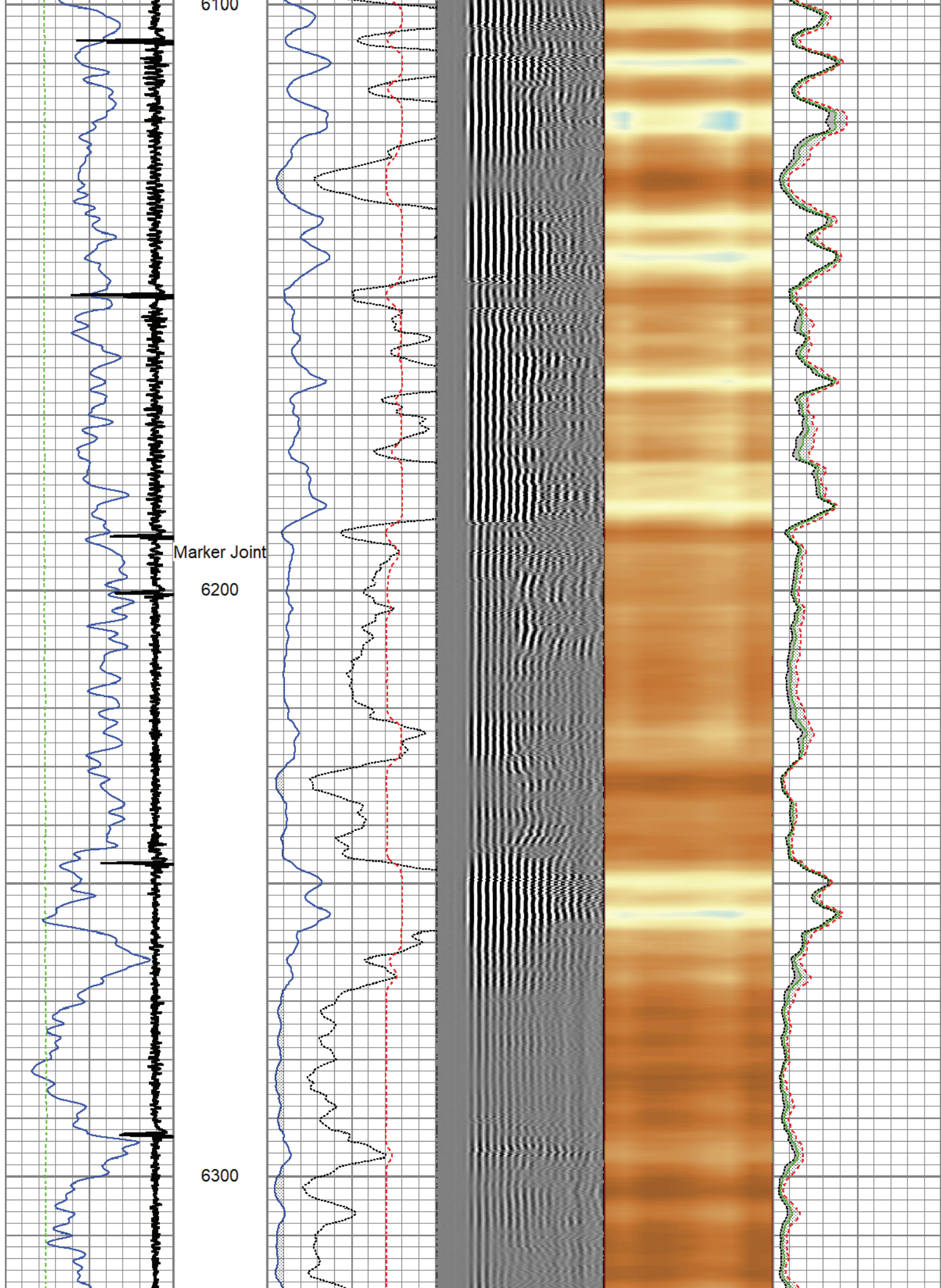


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Marker Joint

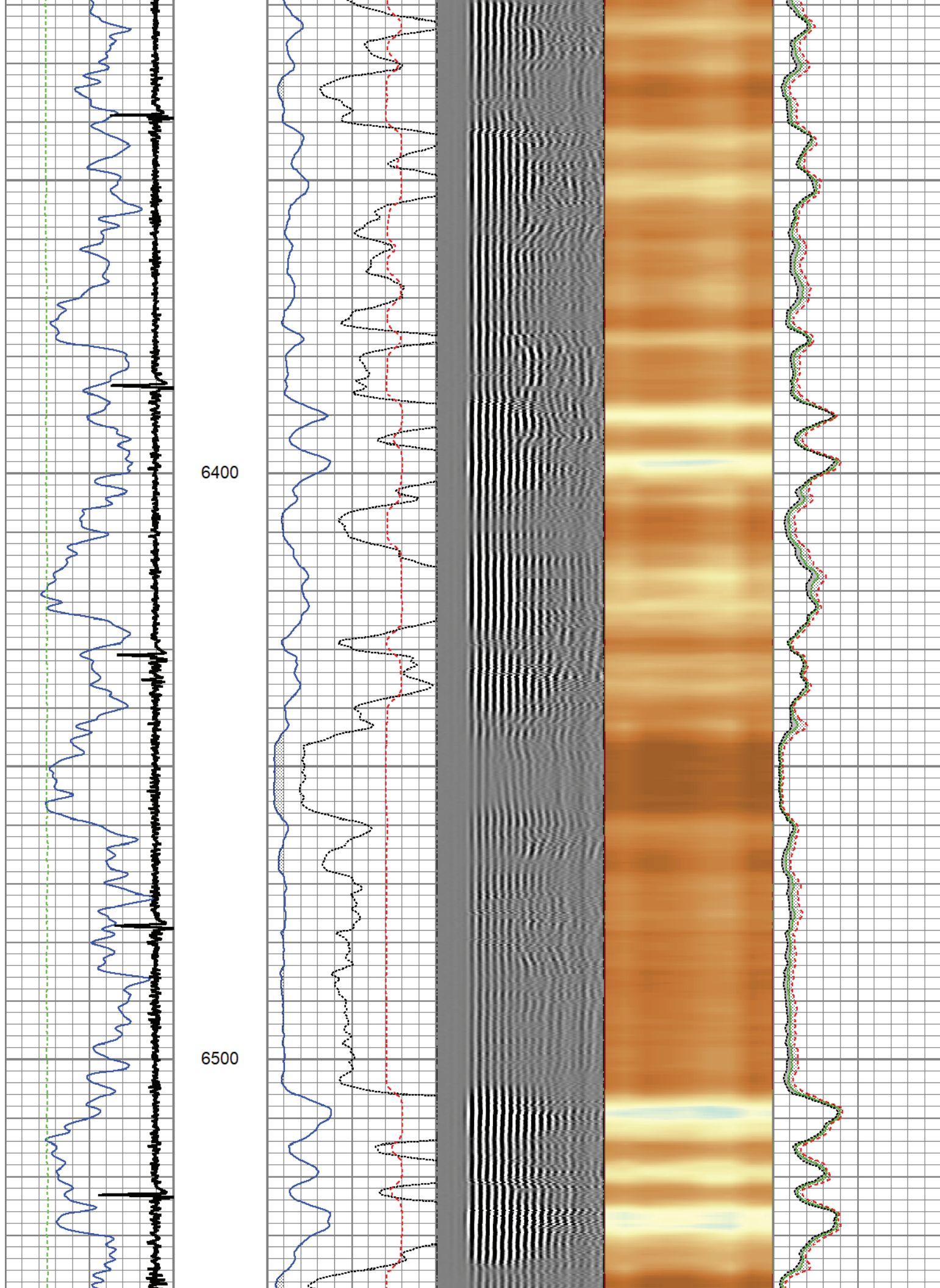
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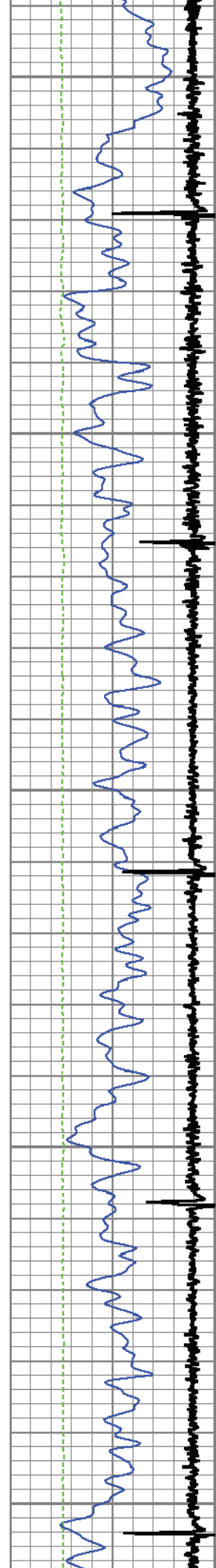
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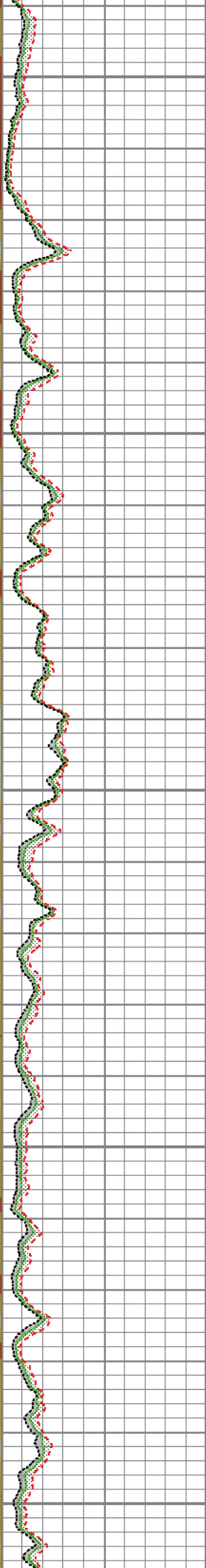
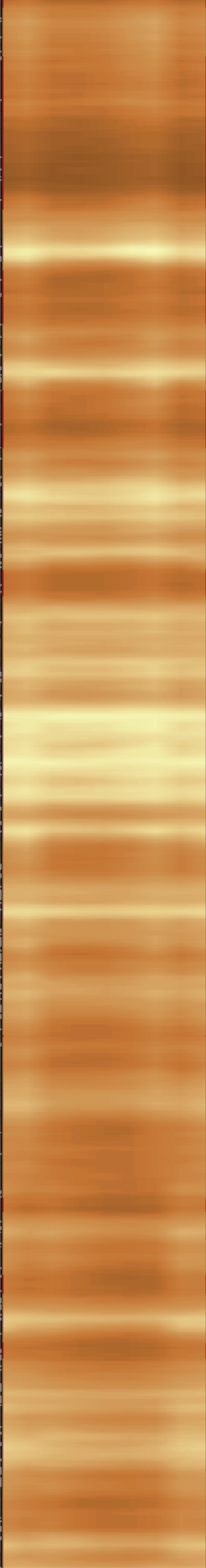
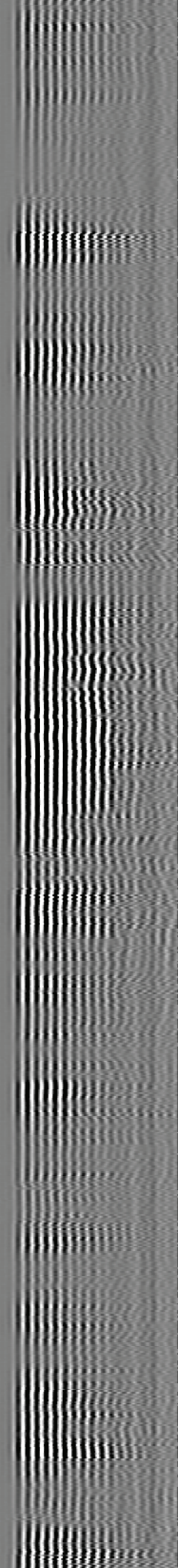
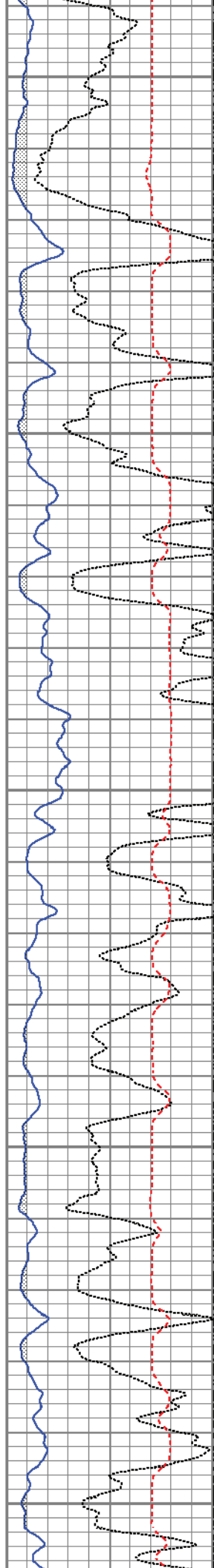
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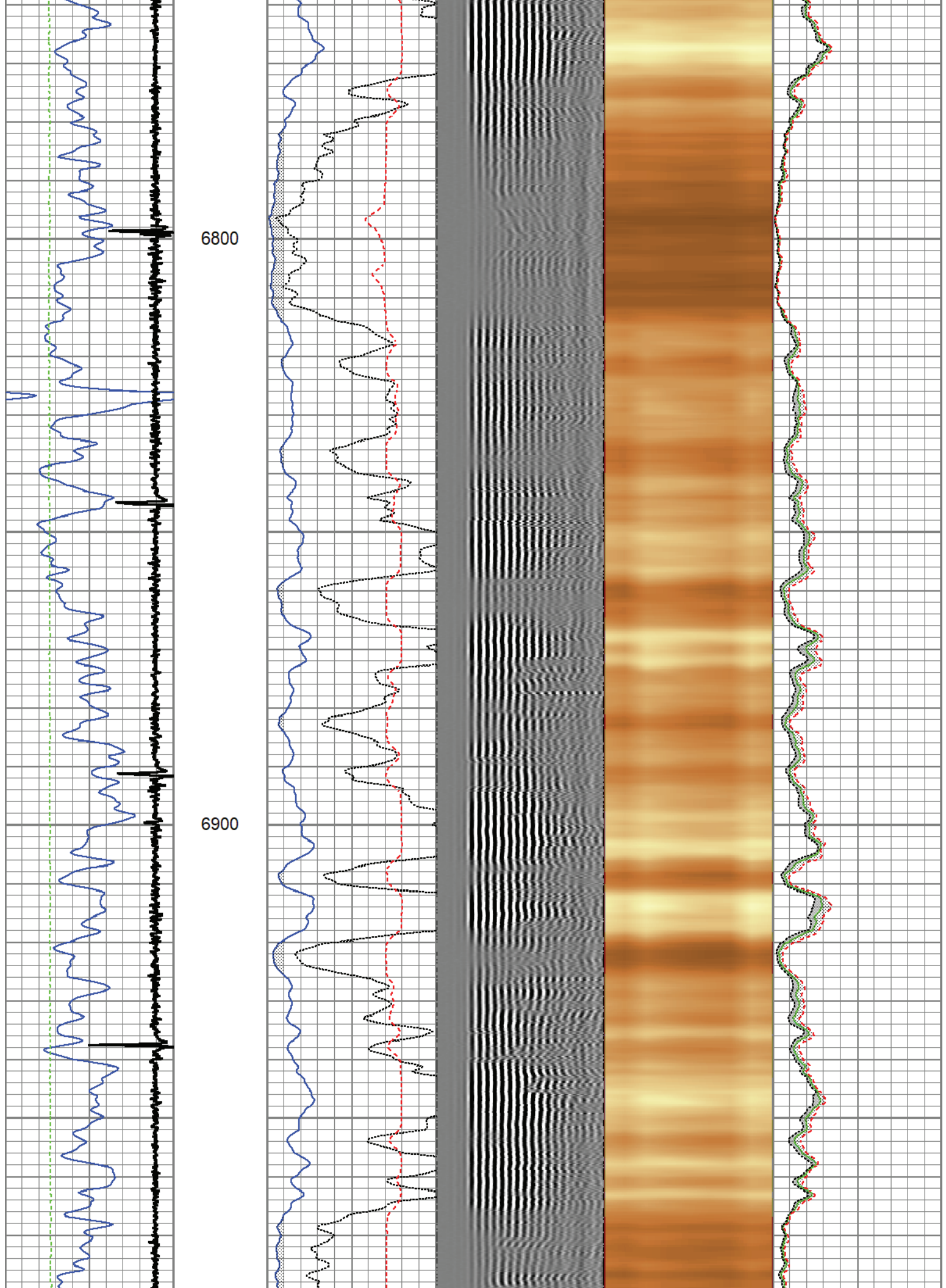


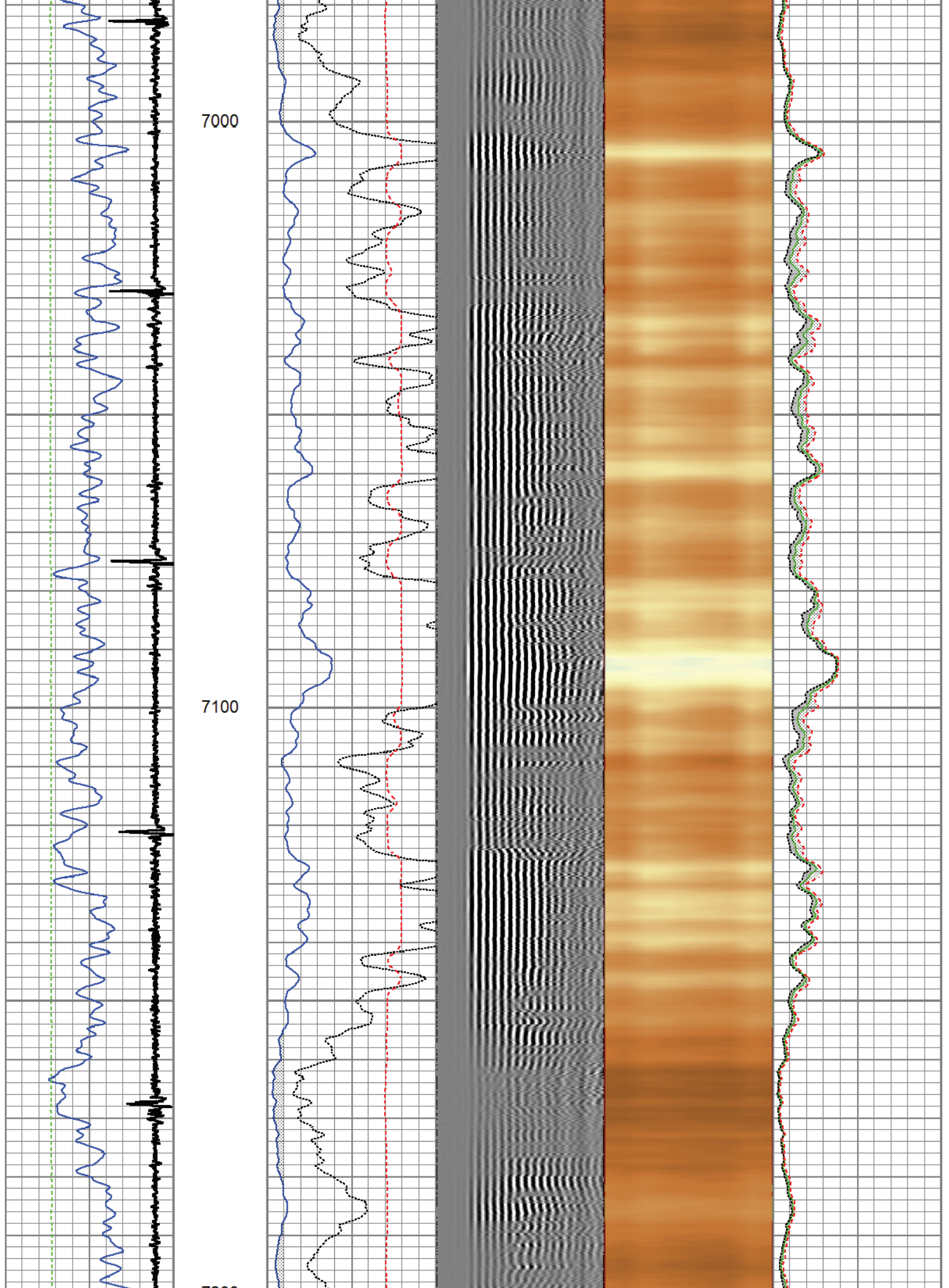


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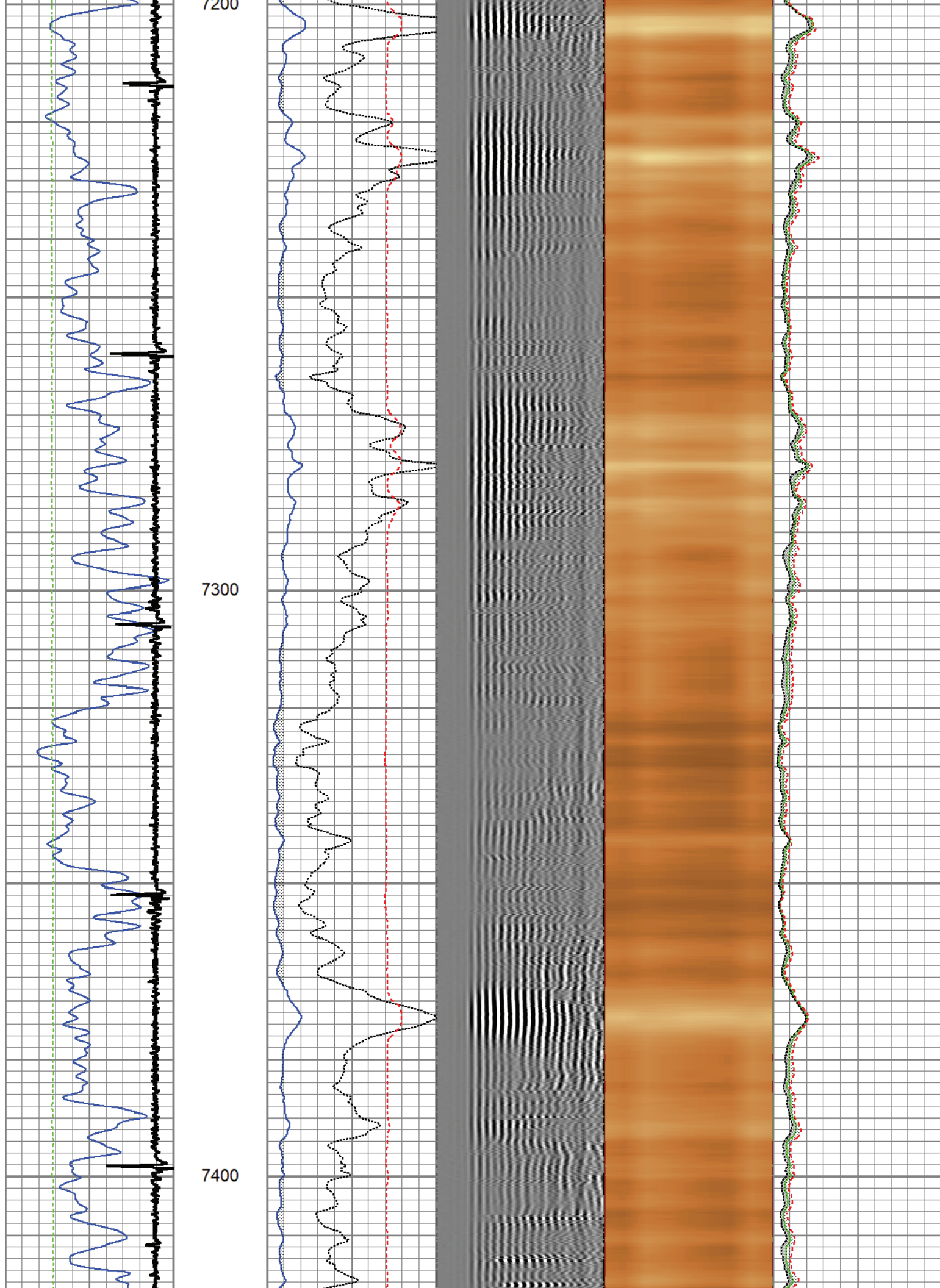


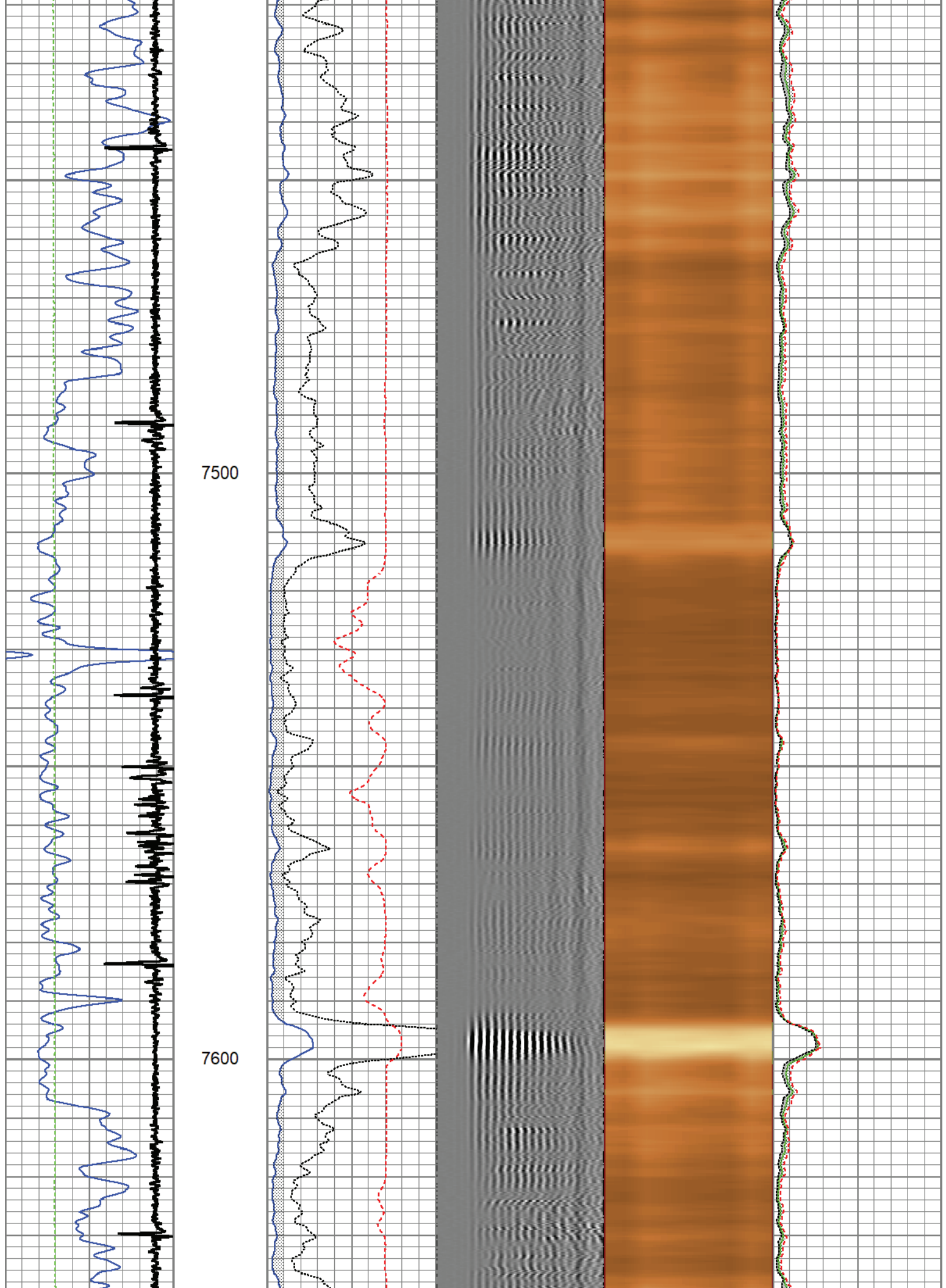


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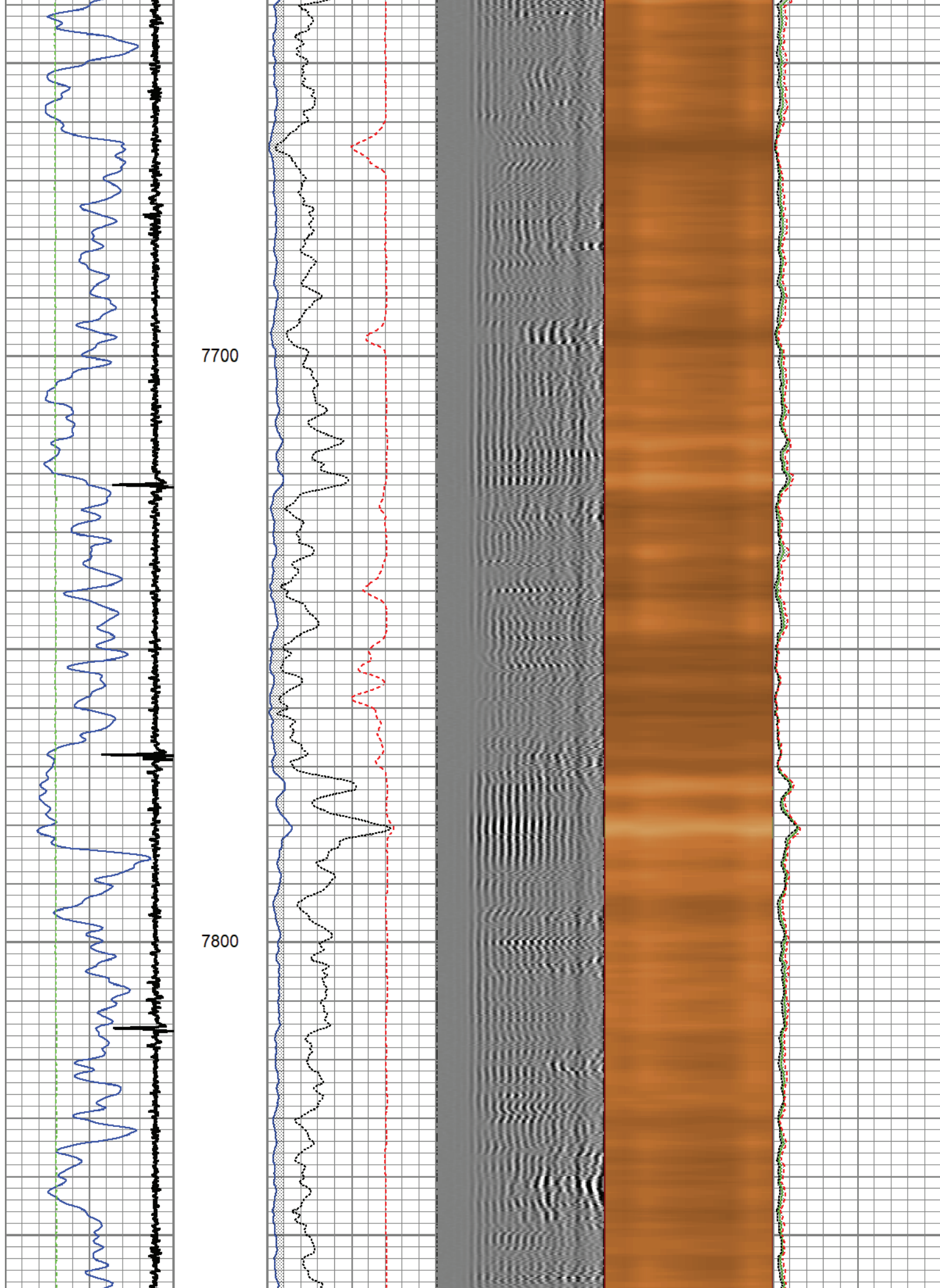
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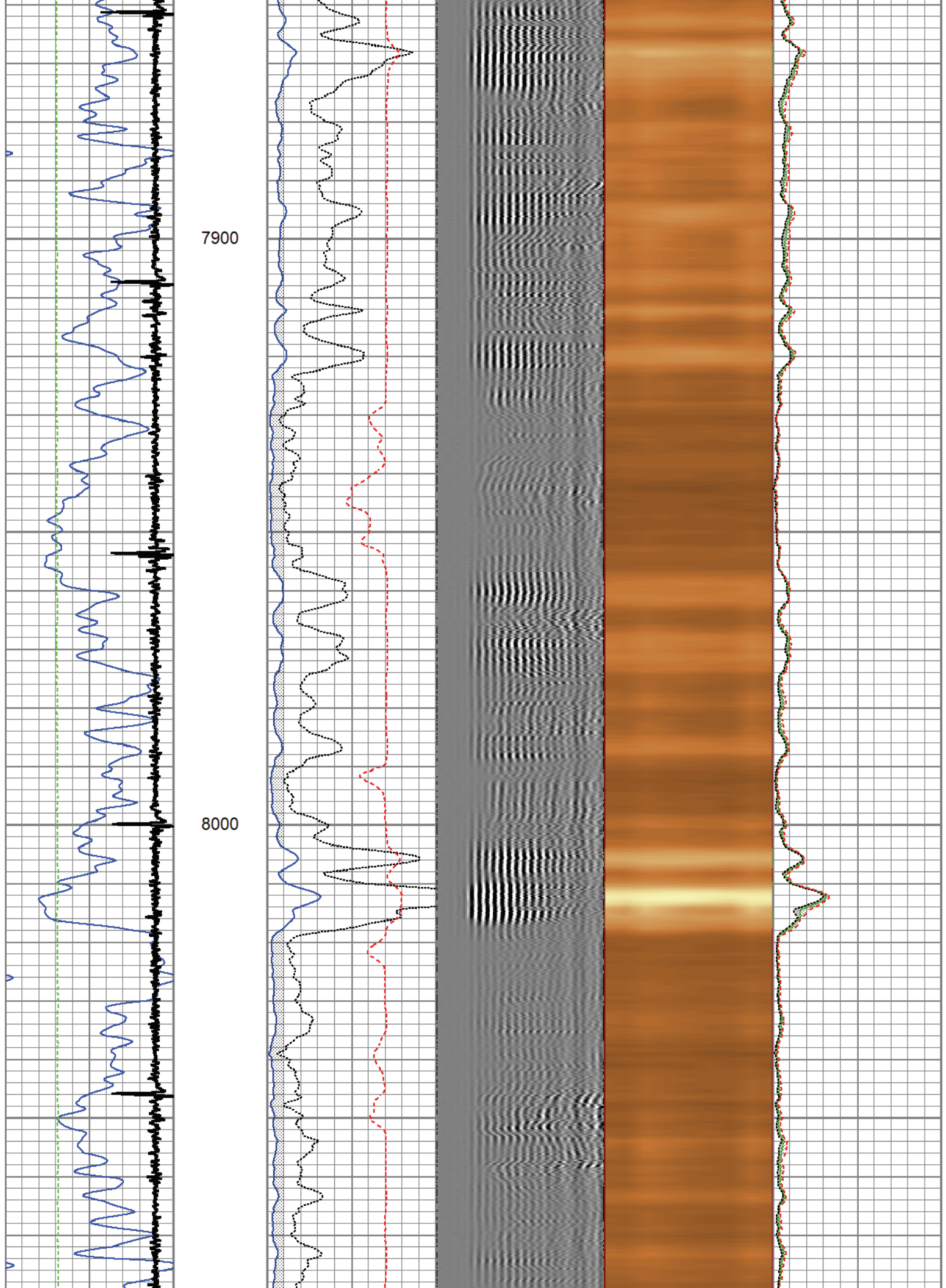


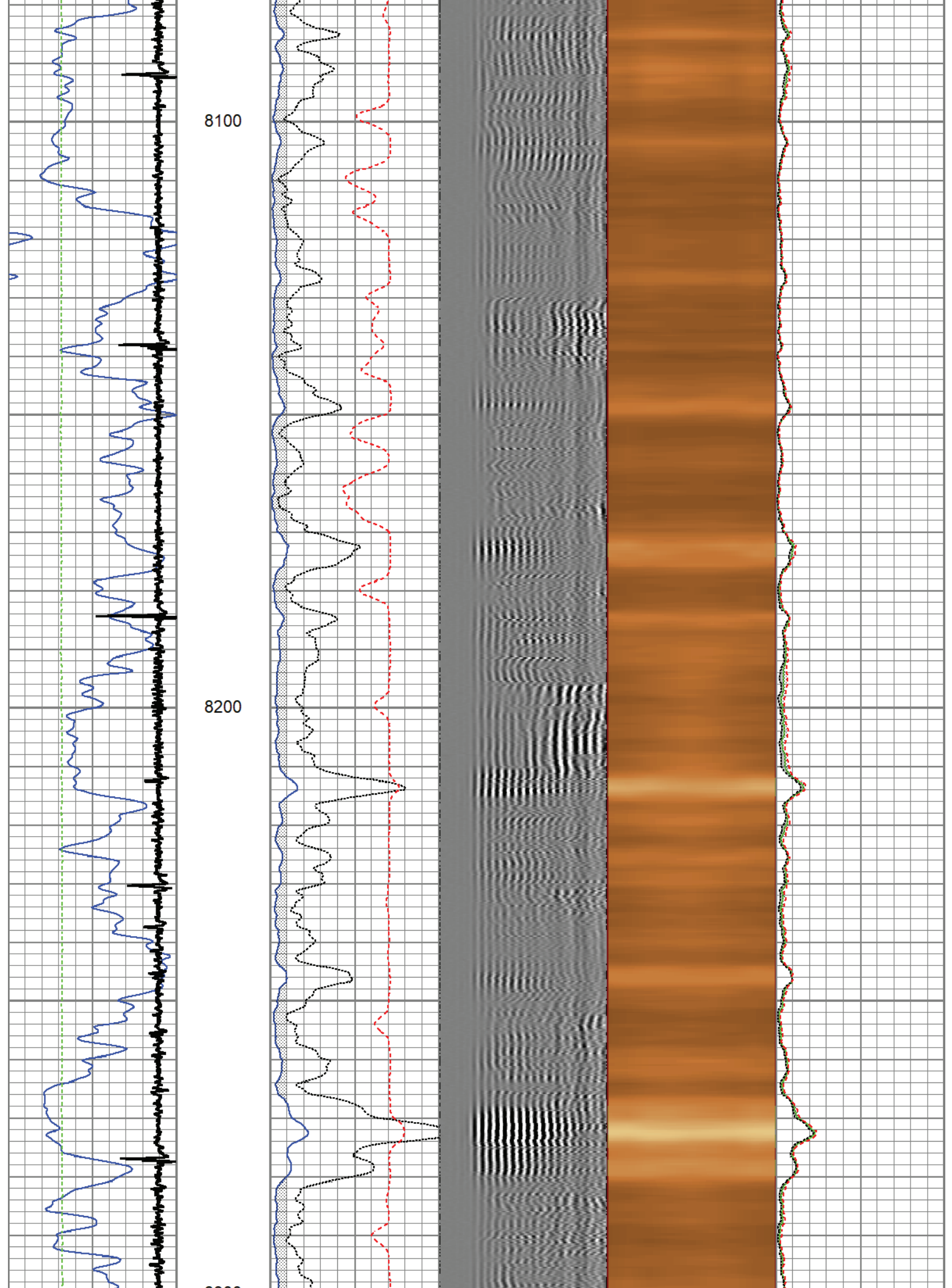


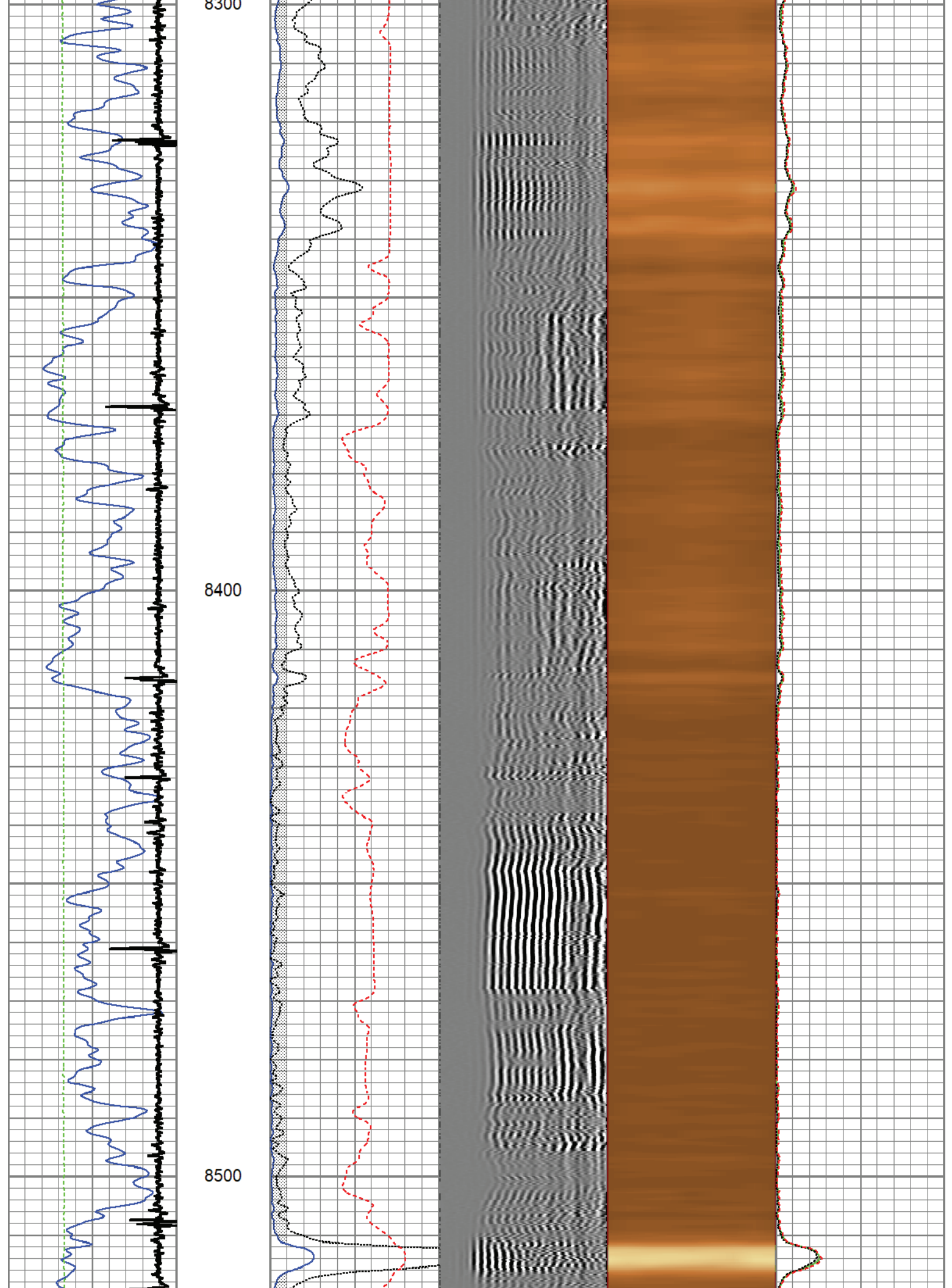
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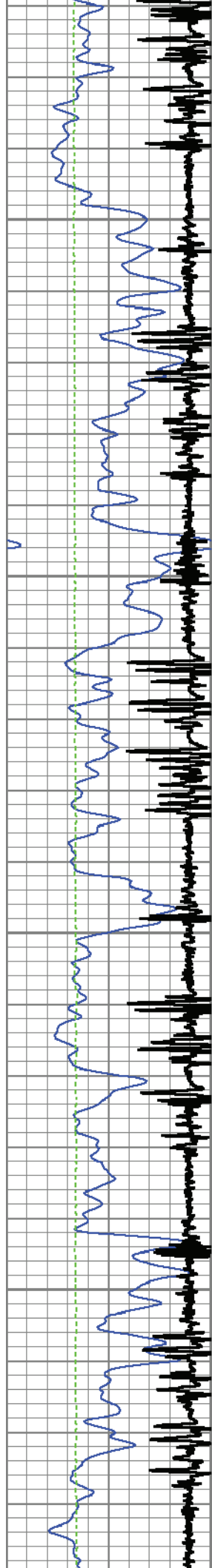
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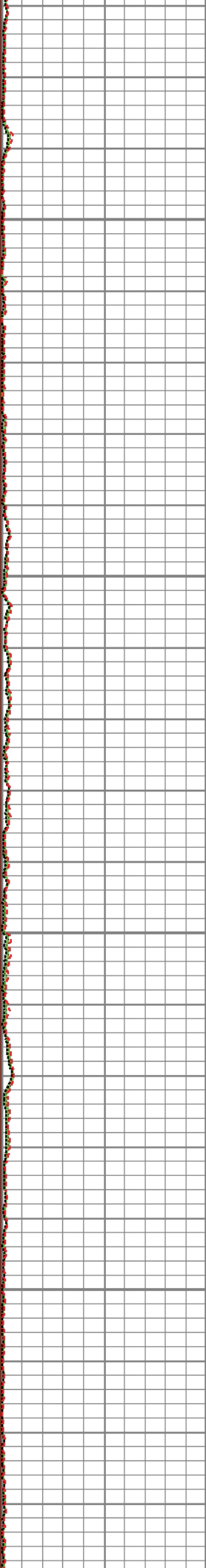
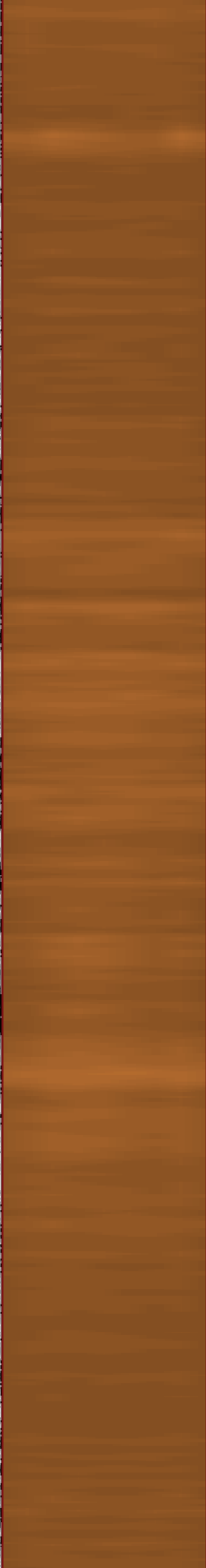
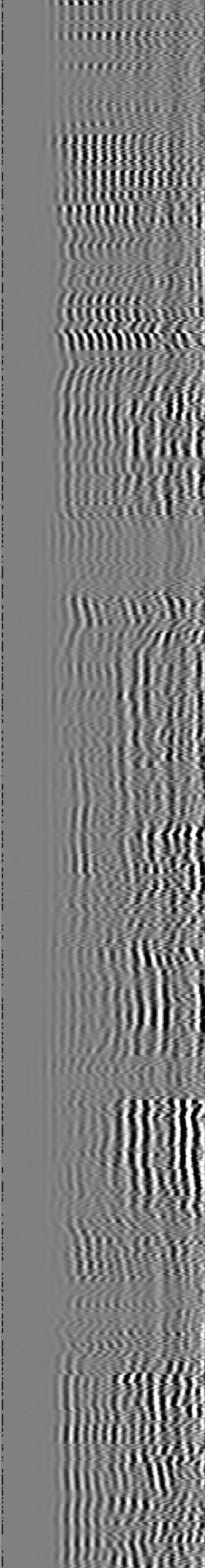
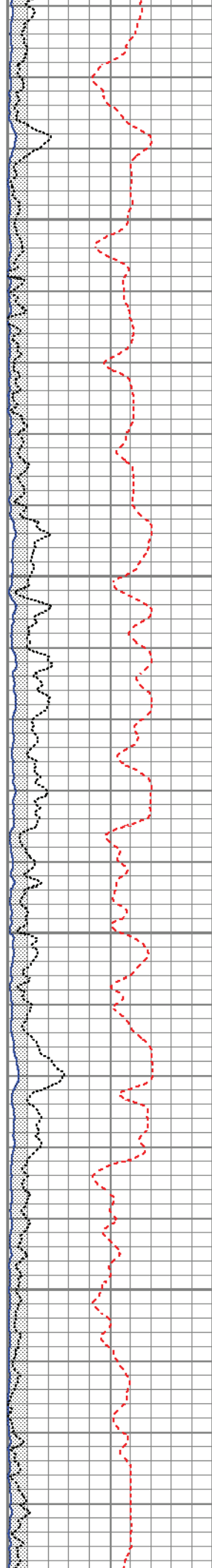


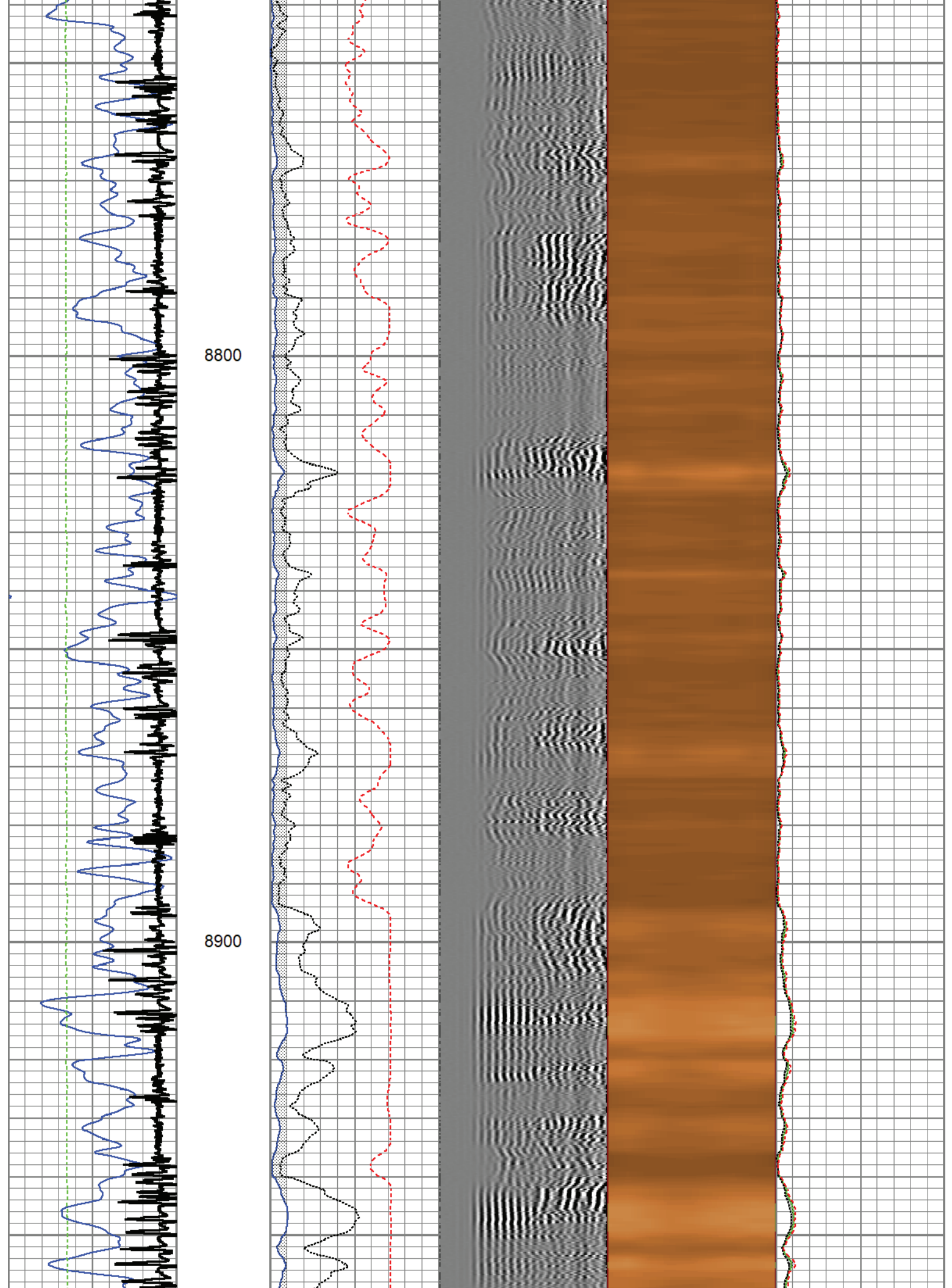


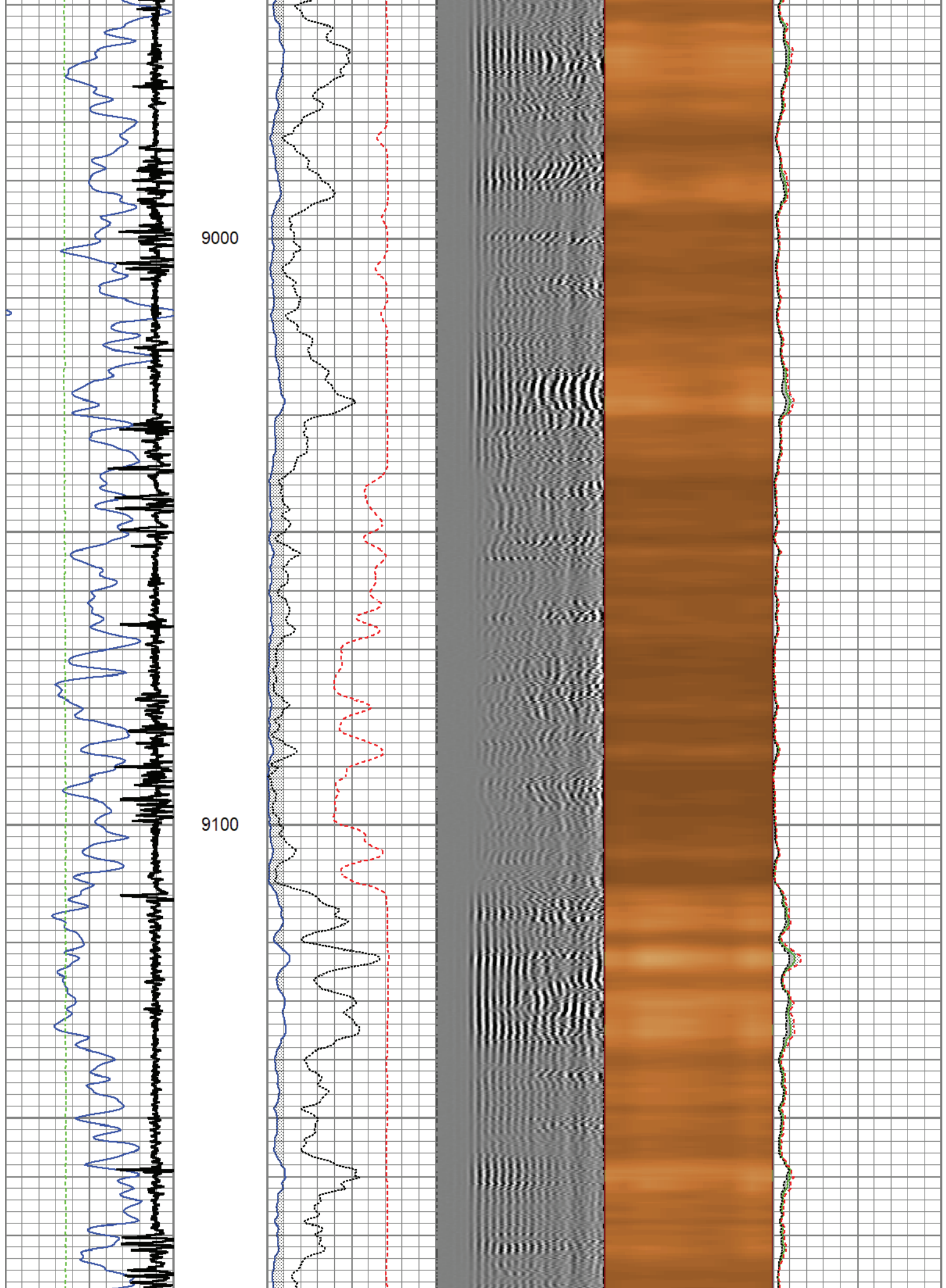


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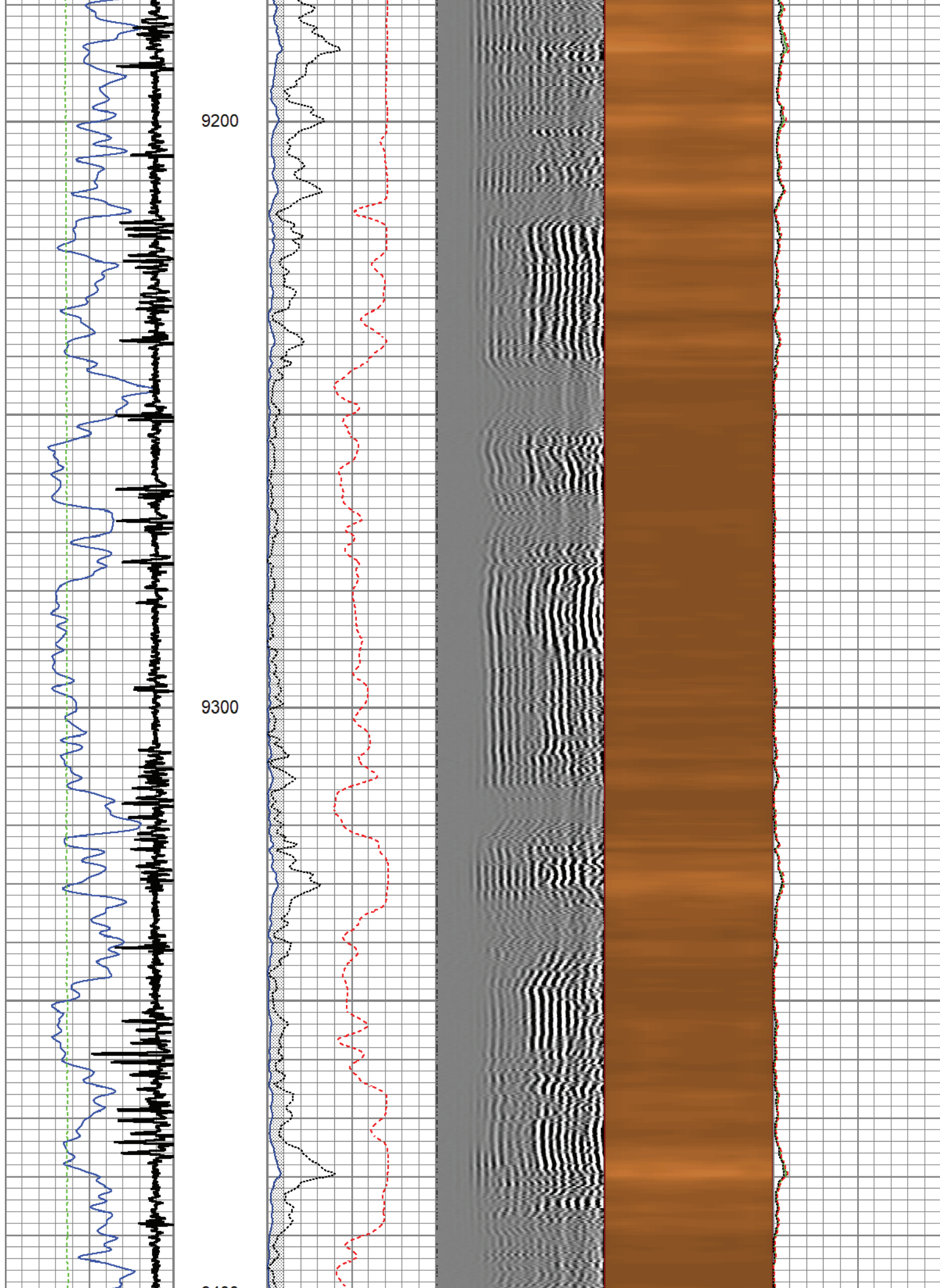




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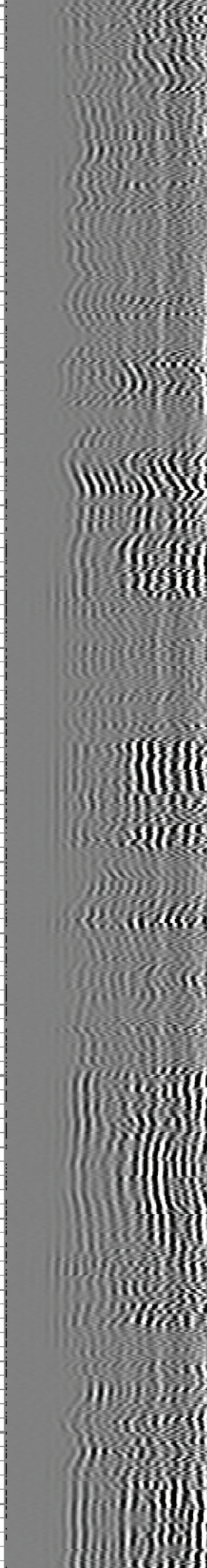
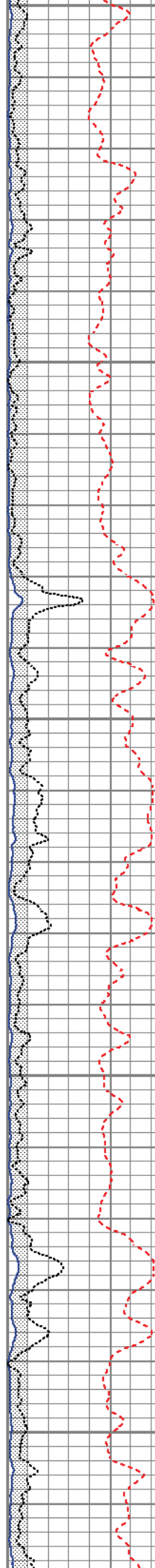
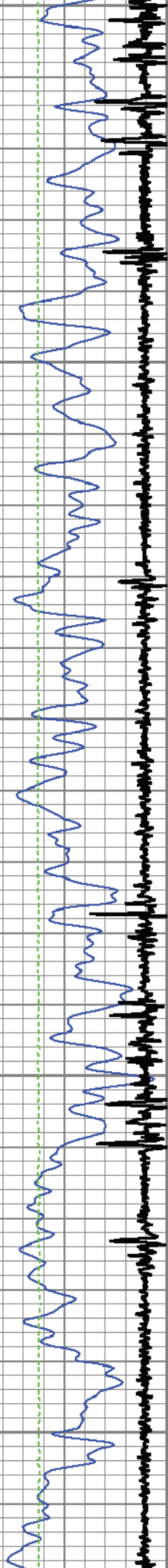
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9400

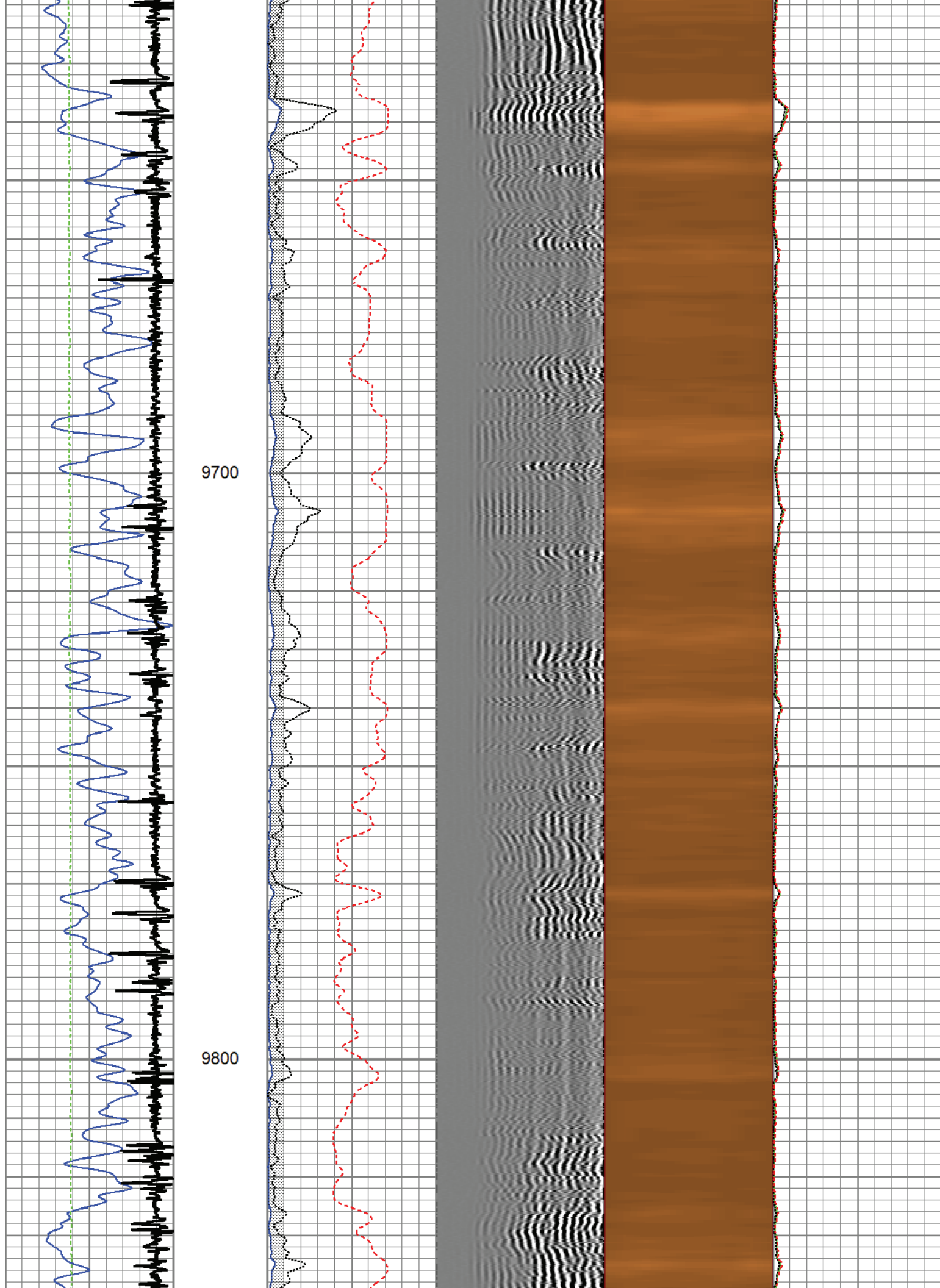
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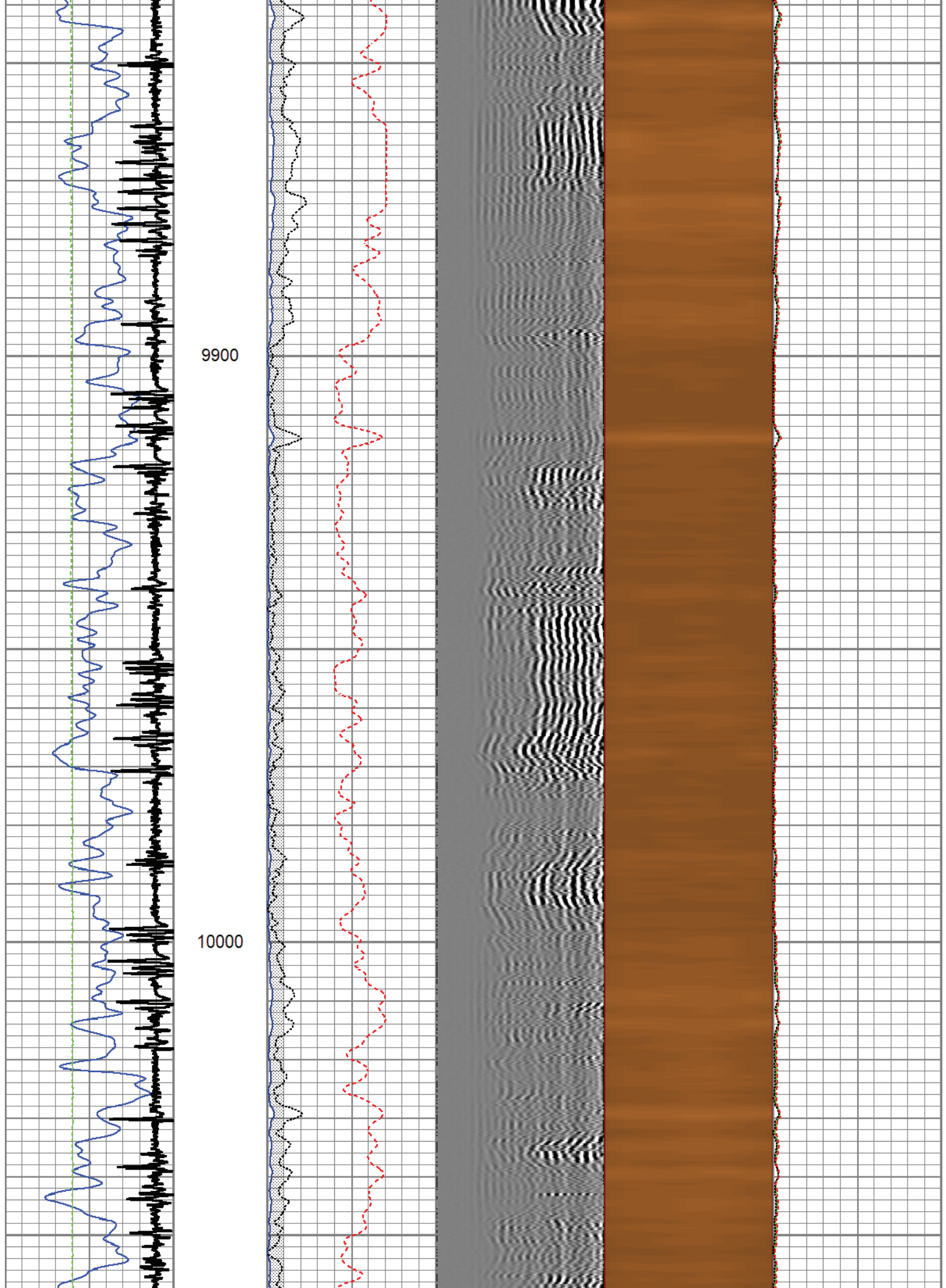
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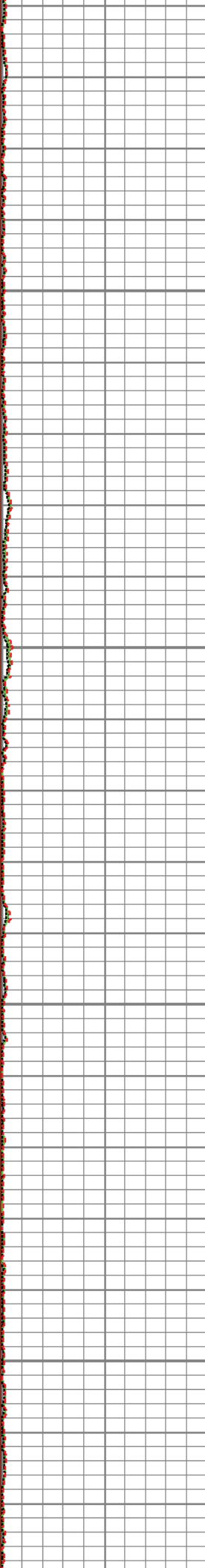
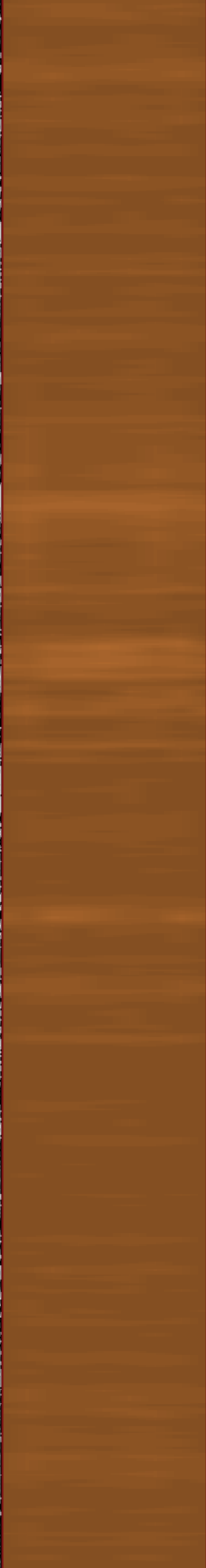
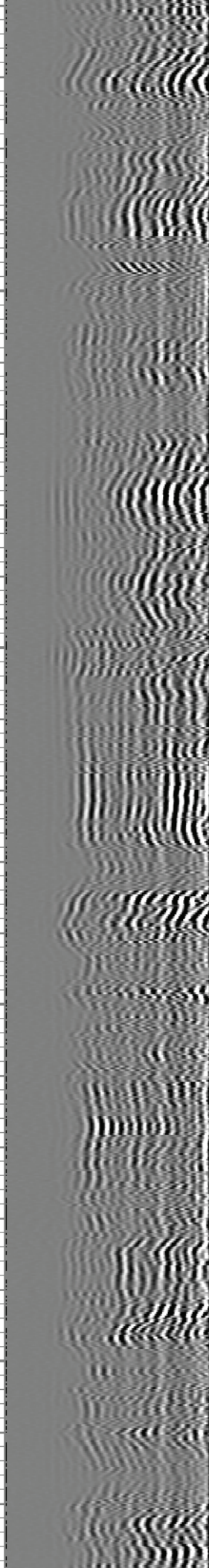
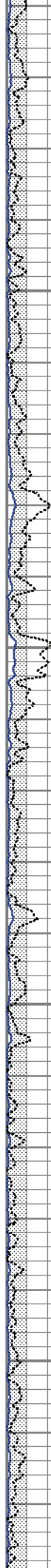
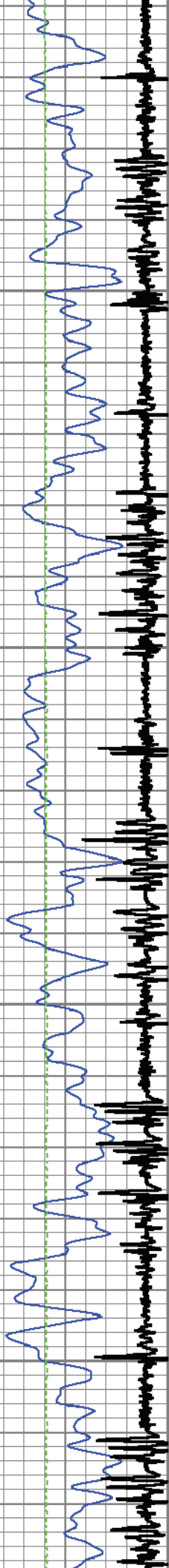
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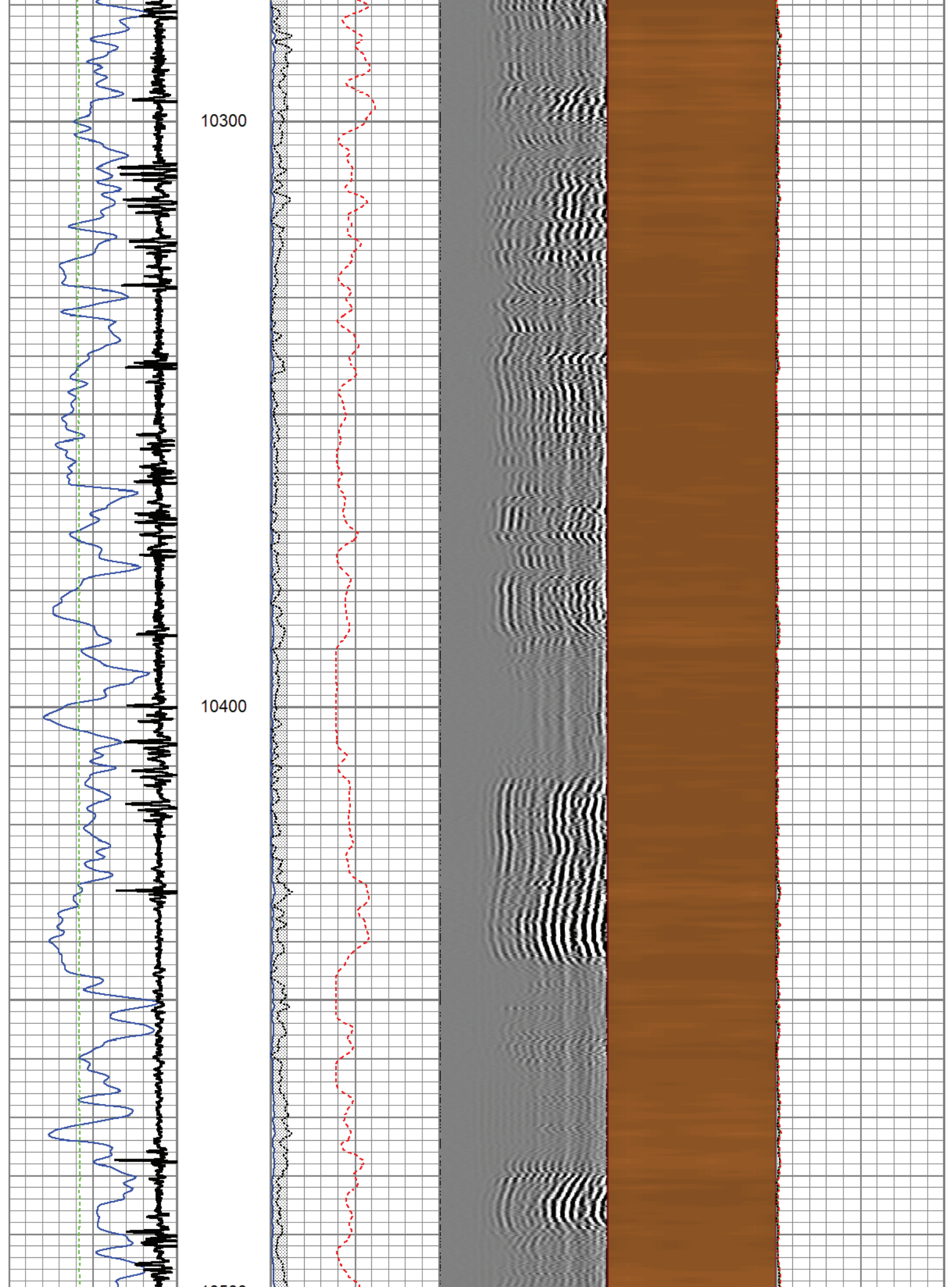




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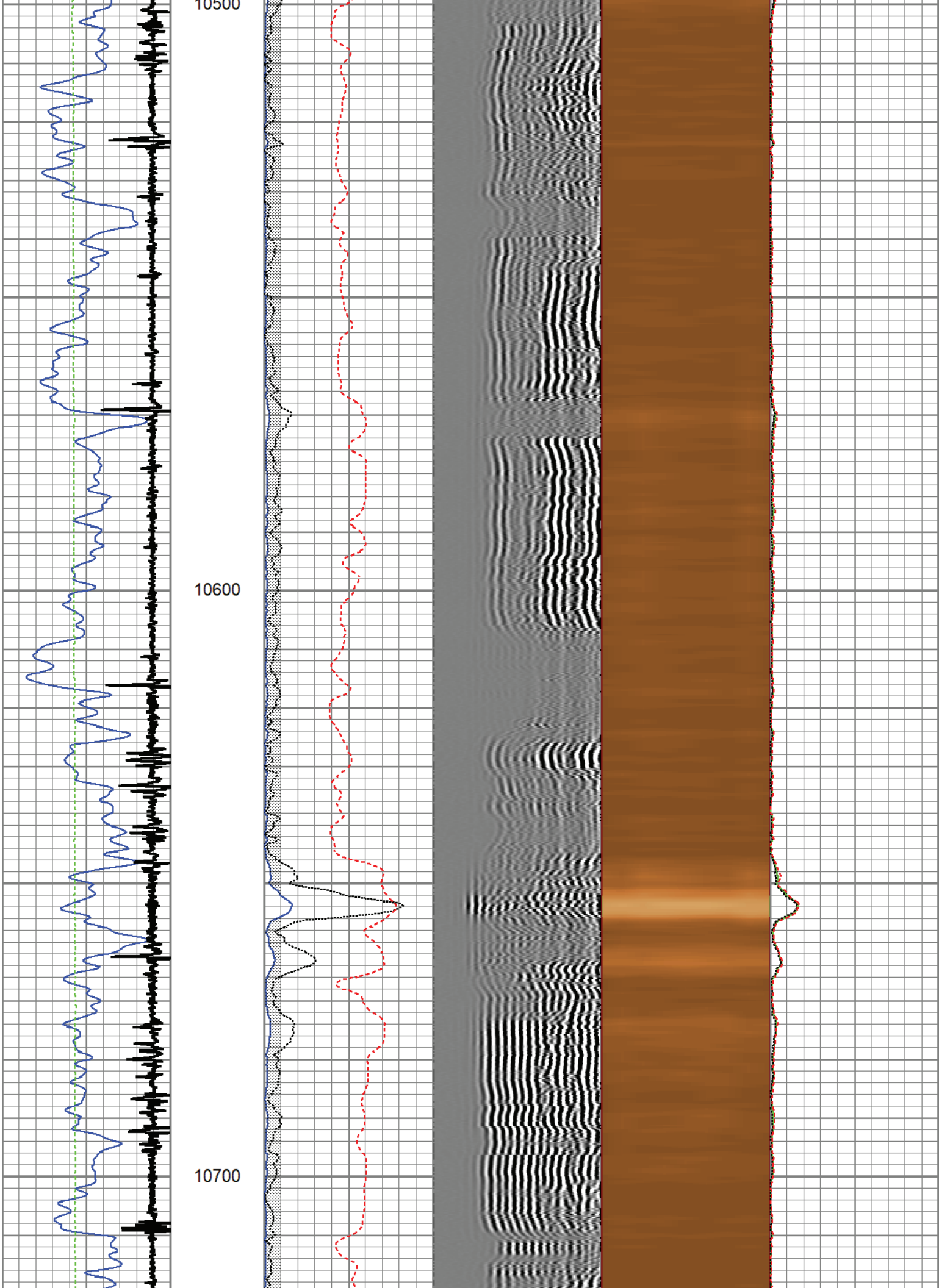


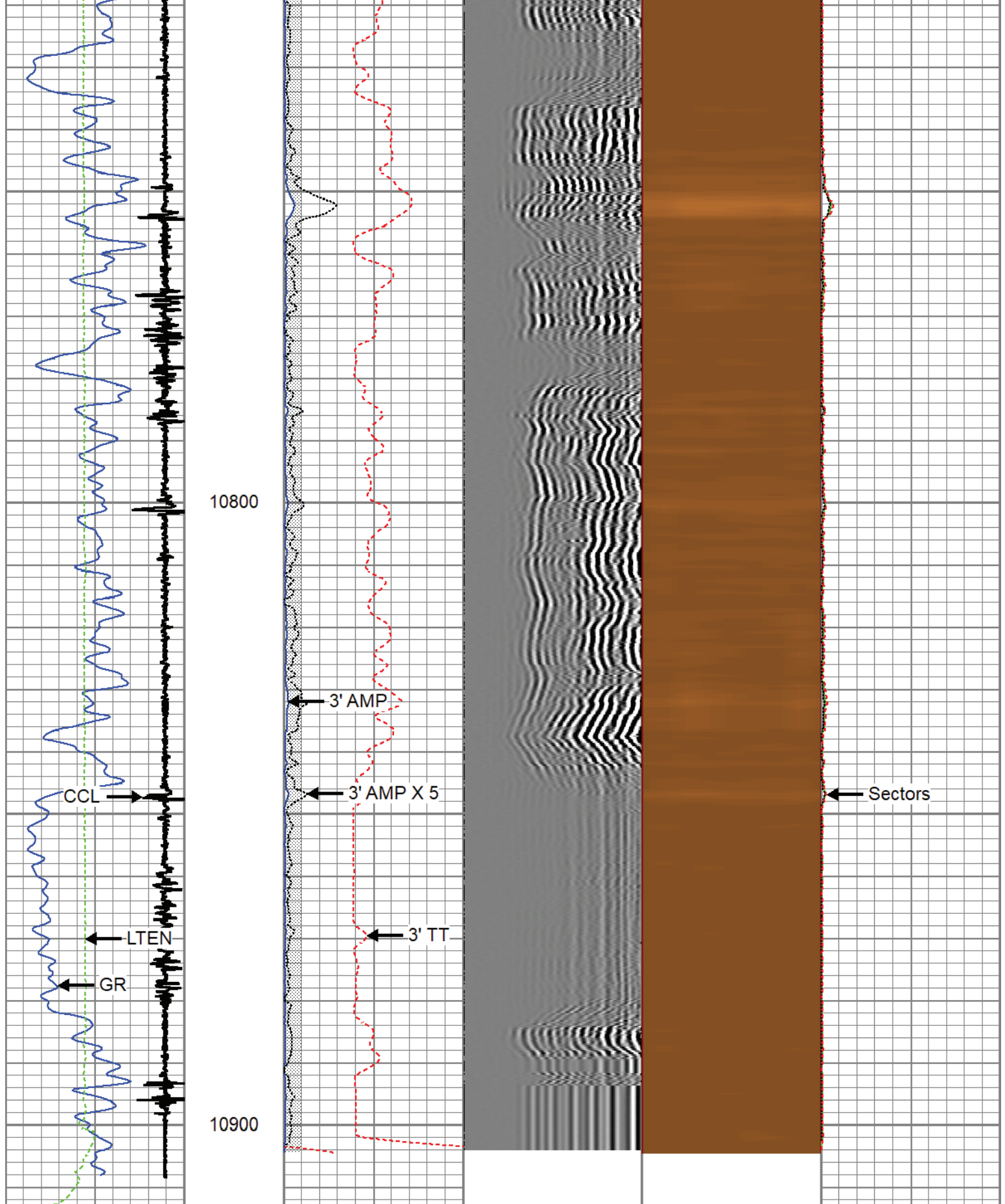


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10600

10700





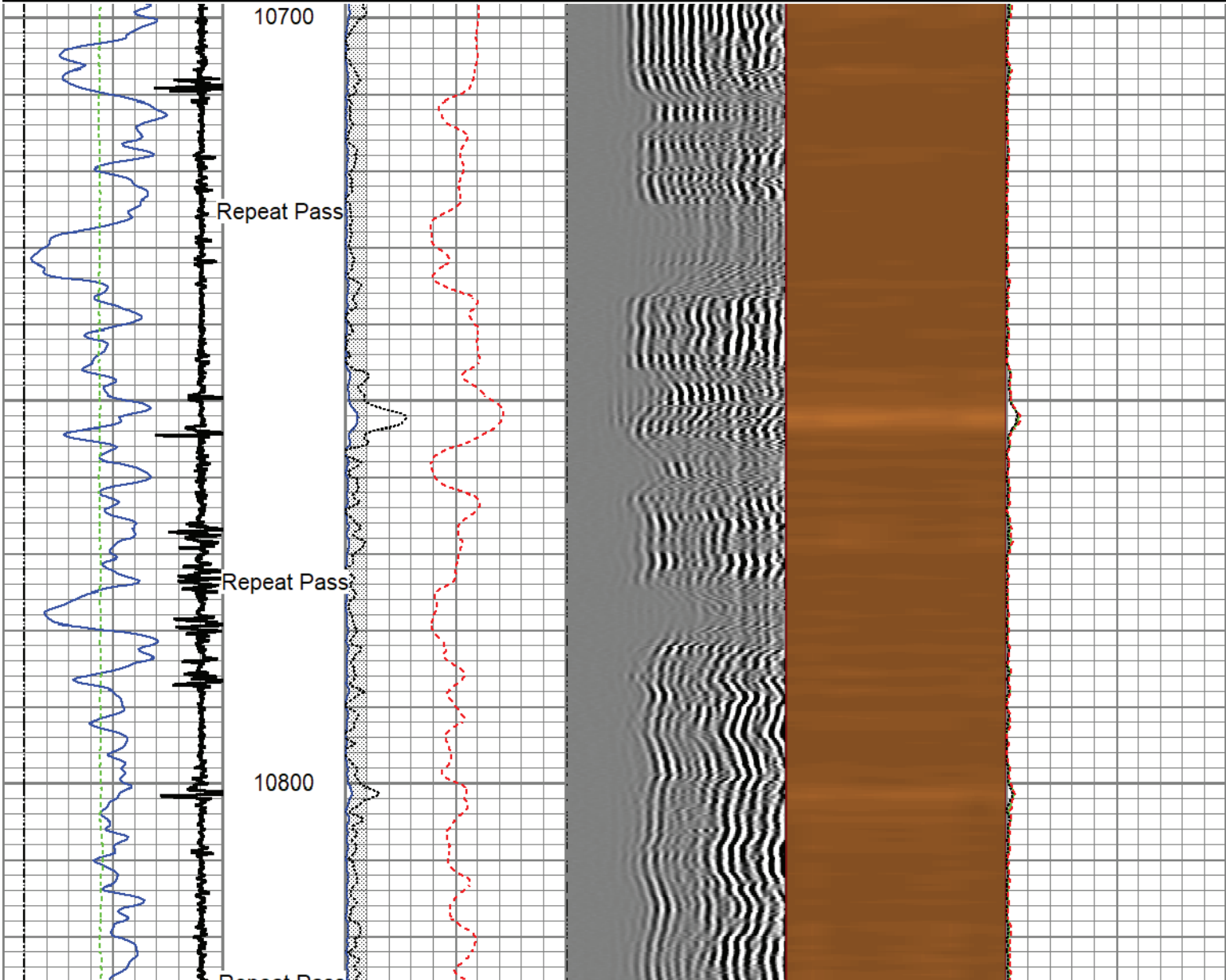
Gamma Ray (GAPI)	3' Amplitude (mV)	5' Variable Density Log (usec)	Sector Map	Average Amplitude
0 200	0 100	200 1200		0 120
Line Tension (lb)	3' Amplitude x 5 (mV)			Minimum Amplitude
0 4000	0 20			0 120
-9 CCL\$1 1	3' Travel Time			Maximum Amplitude

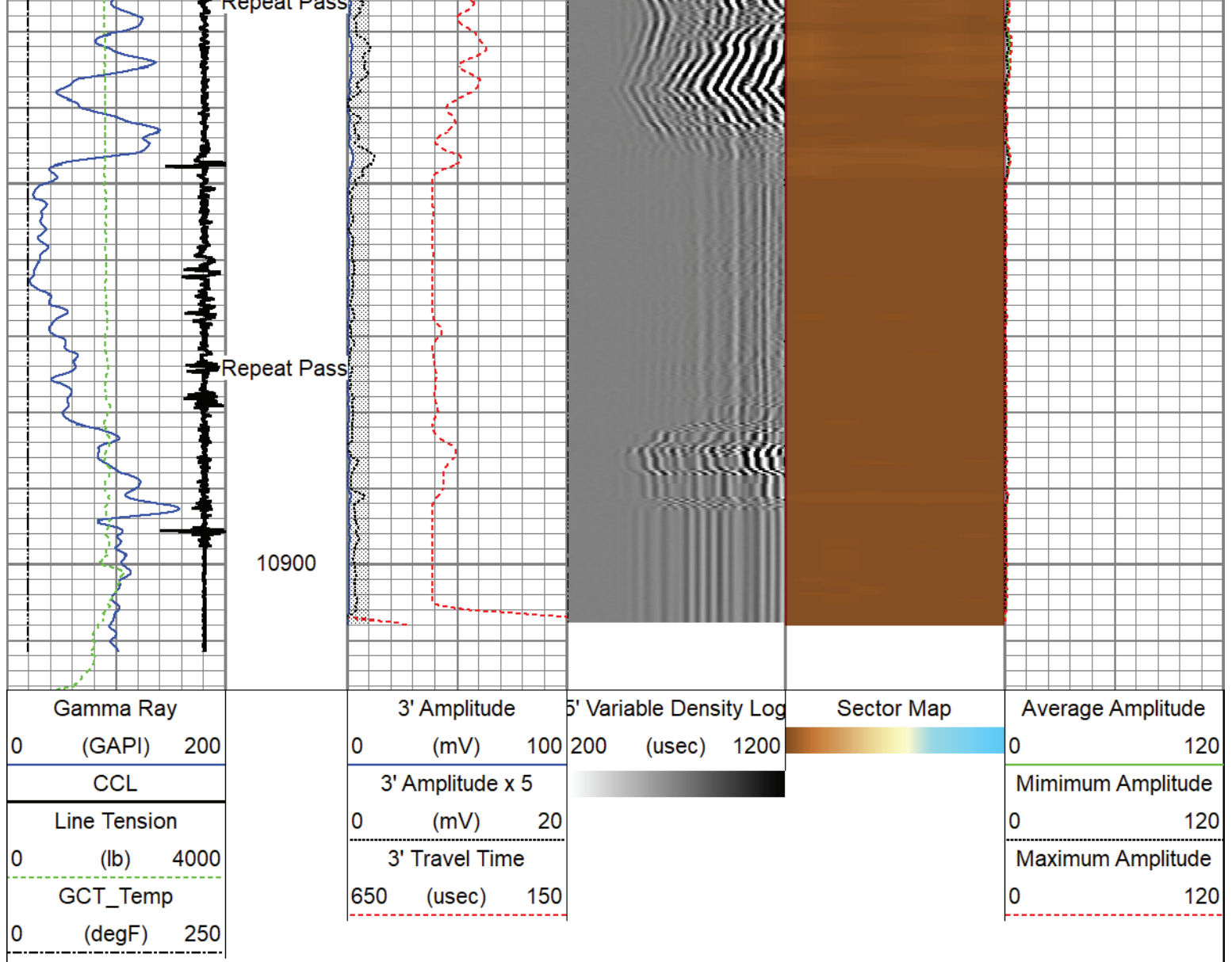


Repeat Pass 5" = 100"

Database File tep_nr 433-4_rcbl_7-8-2022.db
Dataset Pathname repeat
Presentation Format twgrcbl
Dataset Creation Fri Jul 08 22:46:32 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
GCT_Temp	650 (usec) 150			0 120
0 (degF) 250				





Calibration Report		
Database File	tep_nr 433-4_rcbl_7-8-2022.db	
Dataset Pathname	main	
Dataset Creation	Fri Jul 08 22:53:18 2022	

Gamma Ray Calibration Report		
Serial Number:	110255	
Tool Model:	GCT275-0BP0	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps
Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Segmented Cement Bond Log Calibration Report		
Serial Number:	FW1312-30	
Tool Model:	Probe275acc	
Calibration Casing Diameter:	4.500	in
Calibration Depth:	409.533	ft

Master Calibration, performed Fri Jul 8 19:47:20 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.697	0.000	81.196	117.066	-0.363
CAL	0.002	0.786				
5'	0.005	0.554	0.000	81.196	147.836	-0.675
SUM						
S1	0.019	0.719	0.000	100.000	142.760	-2.652
S2	0.002	0.737	0.000	100.000	136.107	-0.289
S3	0.003	0.712	0.000	100.000	140.930	-0.399
S4	0.003	0.723	0.000	100.000	138.913	-0.451
S5	0.003	0.733	0.000	100.000	137.047	-0.400
S6	0.003	0.737	0.000	100.000	136.229	-0.374
S7	0.003	0.739	0.000	100.000	135.856	-0.400
S8	0.004	0.697	0.000	100.000	144.192	-0.530

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.002	0.786	1.000	0.000


Air Zero Calibration, performed Fri Jul 8 19:40:11 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:	(Not Performed)				
	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	0.00	1.00	0.00	1.00	gee
Y Accelerometer	0.00	1.00	0.00	1.00	gee
Z Accelerometer	0.00	1.00	0.00	1.00	gee

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
--------	-------------	-----------	-------------	-------------	-----------	-------------

Company	Terra Energy Partners, LLC		
Well	Federal NR 433-4		
Field	Rulison		
County	Garfield	State	Colorado
		Radial Cement Bond Gamma Ray Casing Collar Log	