Radial Cement Bond
Gamma Ray
Casing Collar Log

Company	Caerus Piceance LLC.
Well	BJU B26 Fed 21C-27-496
Field	Grand Valley
County	Garfield
State	Colorado
Country	USA

Location: API # : 05-045-24451

SEC 26 TWP 4S RGE 96W

Permanent Datum	Ground Level
Elevation	8211'
Log Measured From	Kelly Bushing
Drilling Measured From	Kelly Bushing

Other Services: CNL

Elevation: K.B. 8241' D.F. 8240' G.L. 8211'

Date	12-OCT-2022
Run Number	One
Depth Driller	12683 FT
Depth Logger	12538 FT
Bottom Logged Interval	12524 FT
Top Log Interval	Surface
Open Hole Size	8.750"
Type Fluid	Fresh Water
Density / Viscosity	8.34 lb/gal
Max. Recorded Temp.	297° F
Estimated Cement Top	See Log
Time Well Ready	ROA
Time Logger on Bottom	06:38
Equipment Number	8053
Location	Grand Junction Colo
Recorded By	A. Ellsworth
Witnessed By	Z. Fisher

Borehole Record

Run Number	Bit	From	To
	8.75"	Surface	12683 FT

Tubing Record

Size	Wgt/Ft	Top	Bottom
9.625"	36	Surface	3023.9 FT
4.5"	11.6	Surface	12647.8 FT

Casing Record

	Size	Wgt/Ft	Top	Bottom
Surface String	9.625"	36	Surface	3023.9 FT
Prot. String	4.5"	11.6	Surface	12647.8 FT
Production String				
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 ran as per customer request.
Depth referenced to Kelly Bushing @ 30FT
Marker Joint from 8069 FT - 8079 FT
Log ran from 12538 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 21c-27-496\caerus_bju b26 fed 21c-27-496_rcbl_cnl_10-10-2022.db
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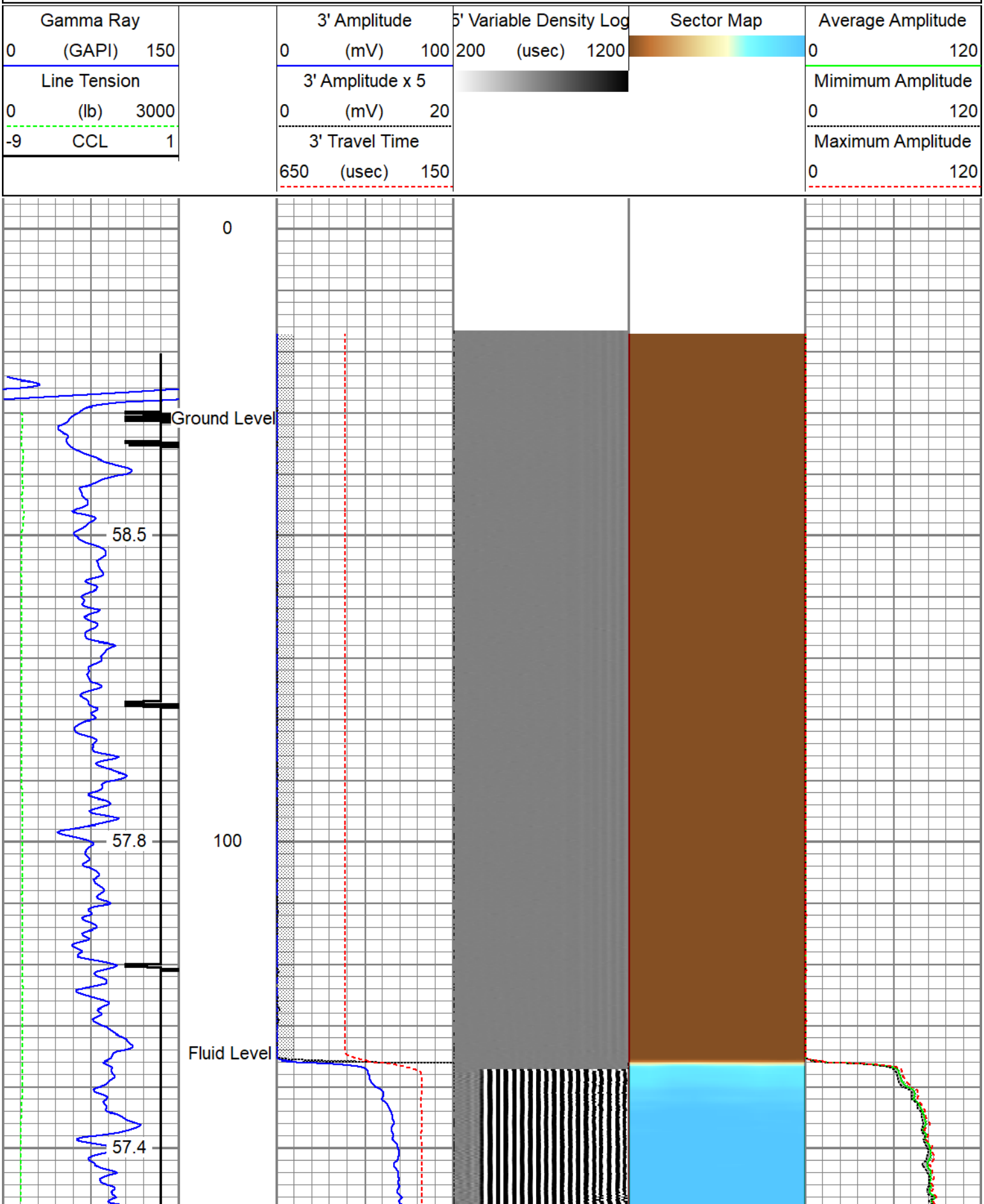
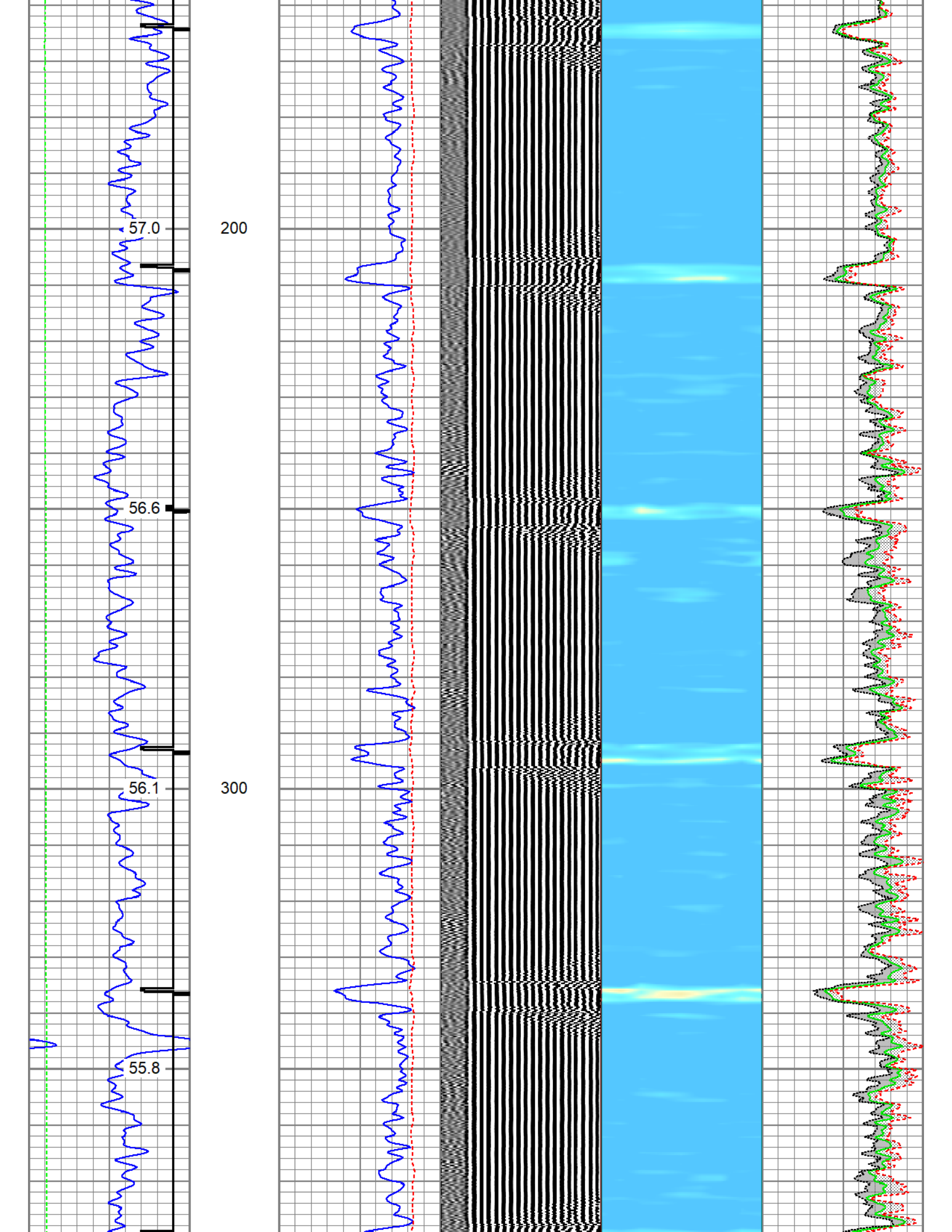
Presentation Format	twgrcbl
Dataset Creation	Wed Oct 12 06:38:43 2022
Charted by	Depth in Feet scaled 1:240

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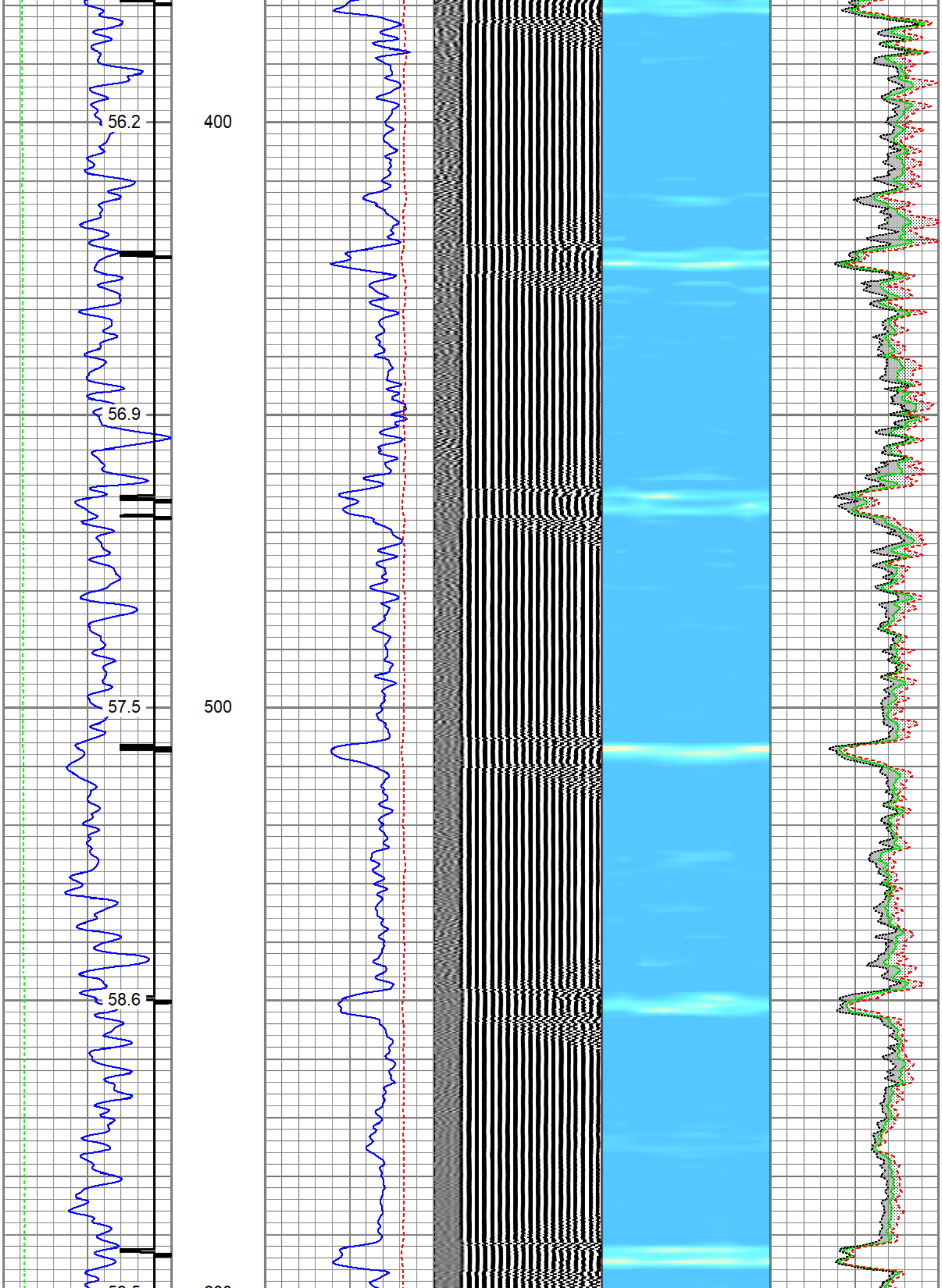
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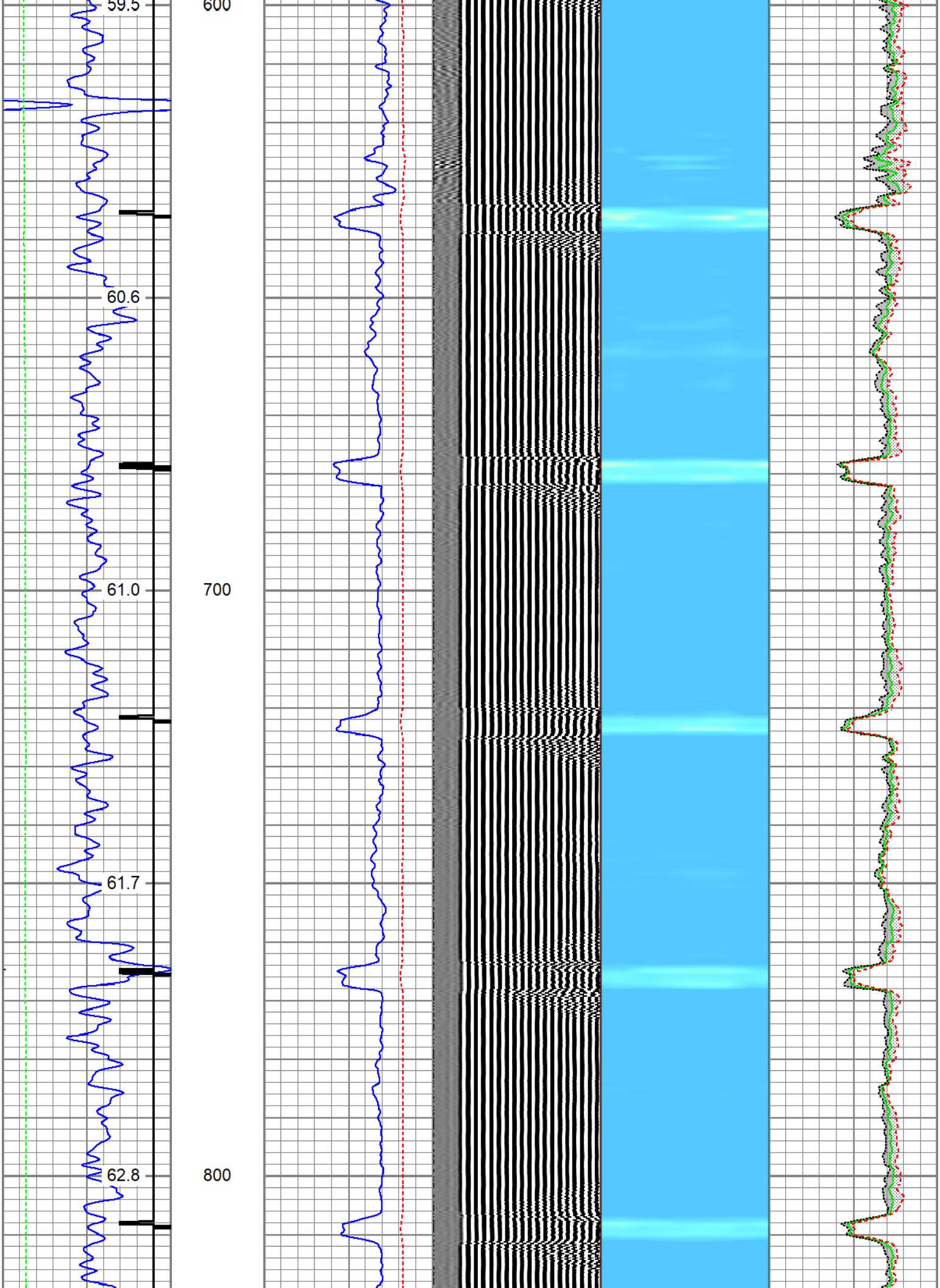
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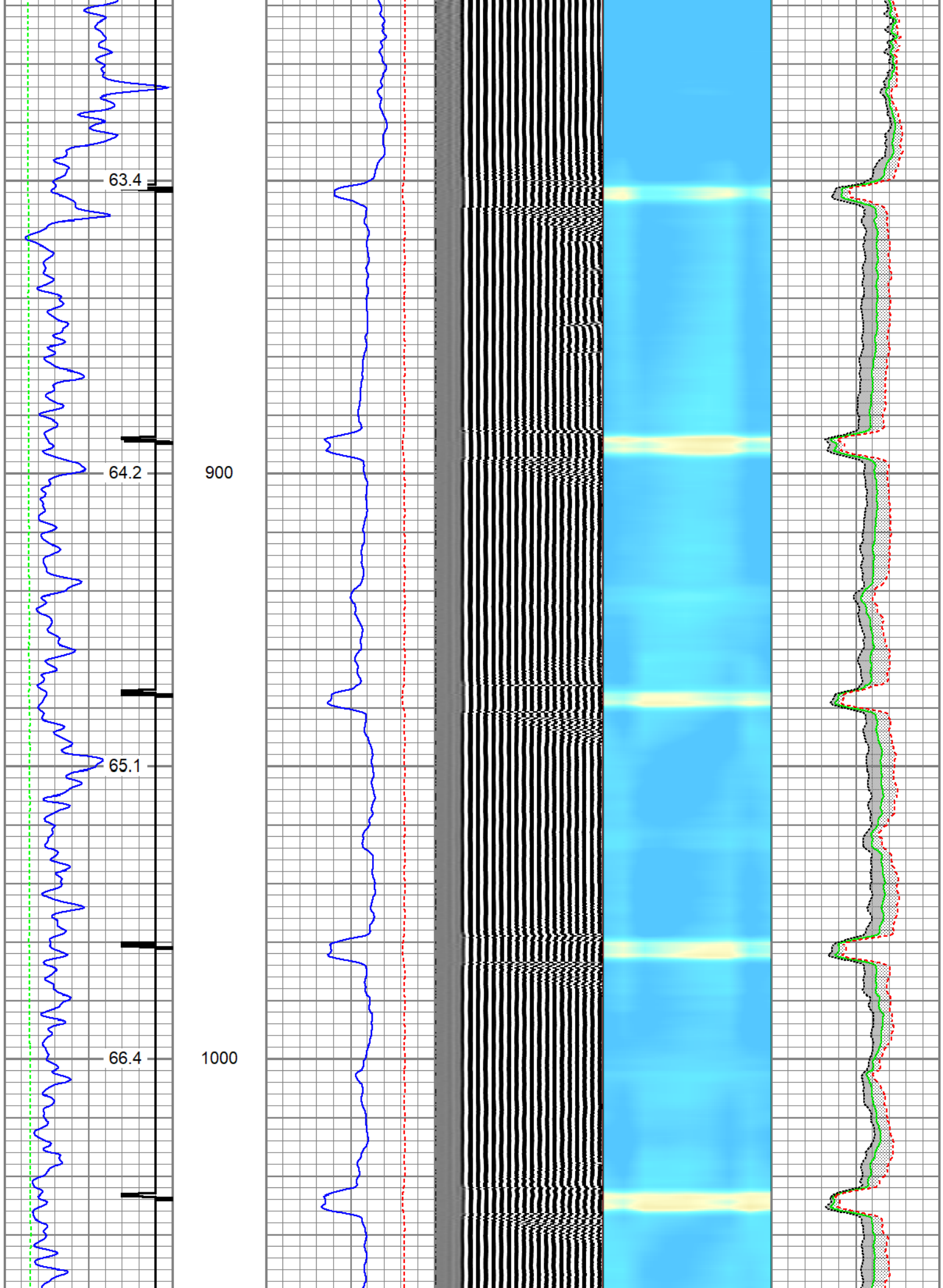
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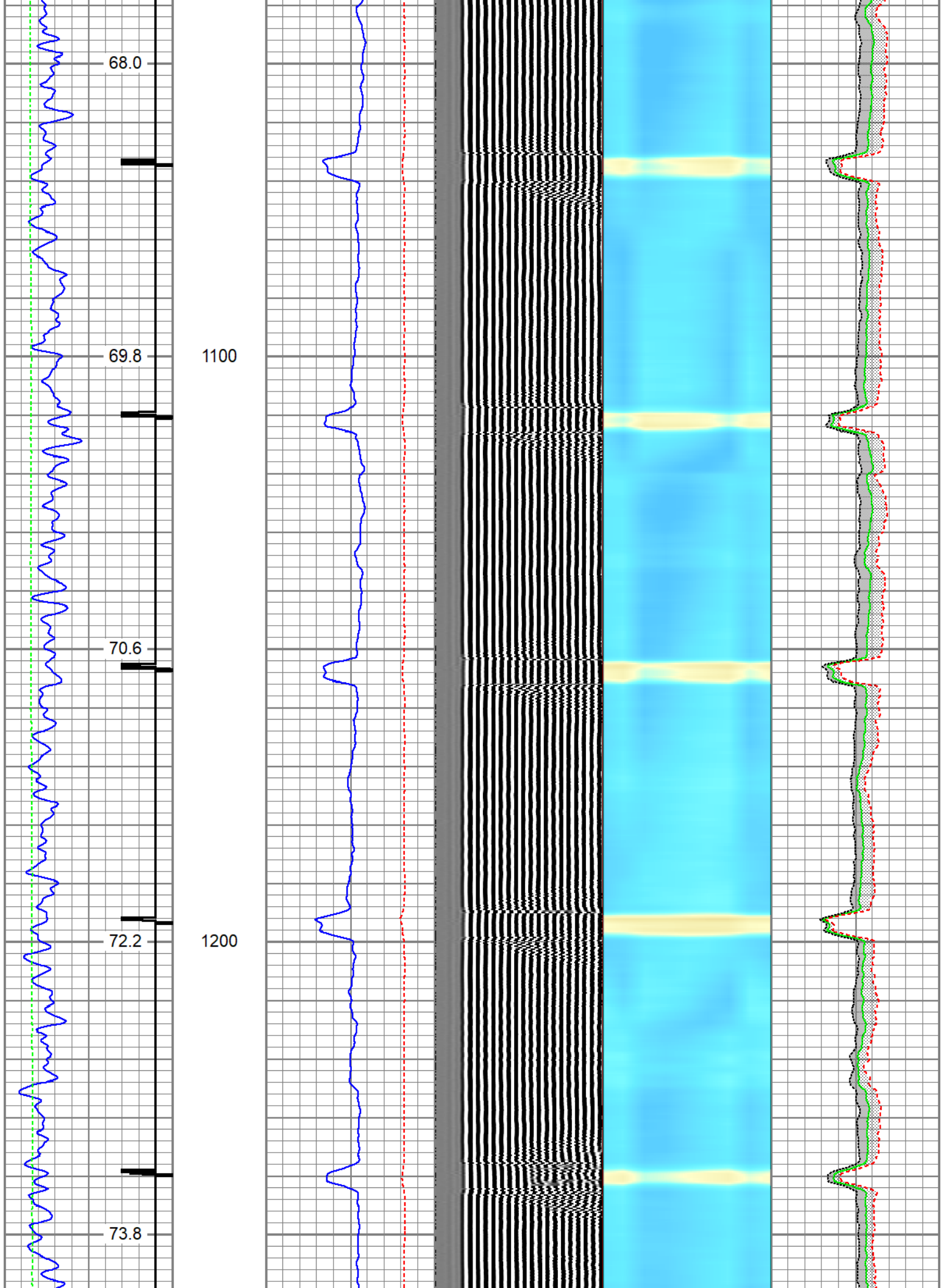
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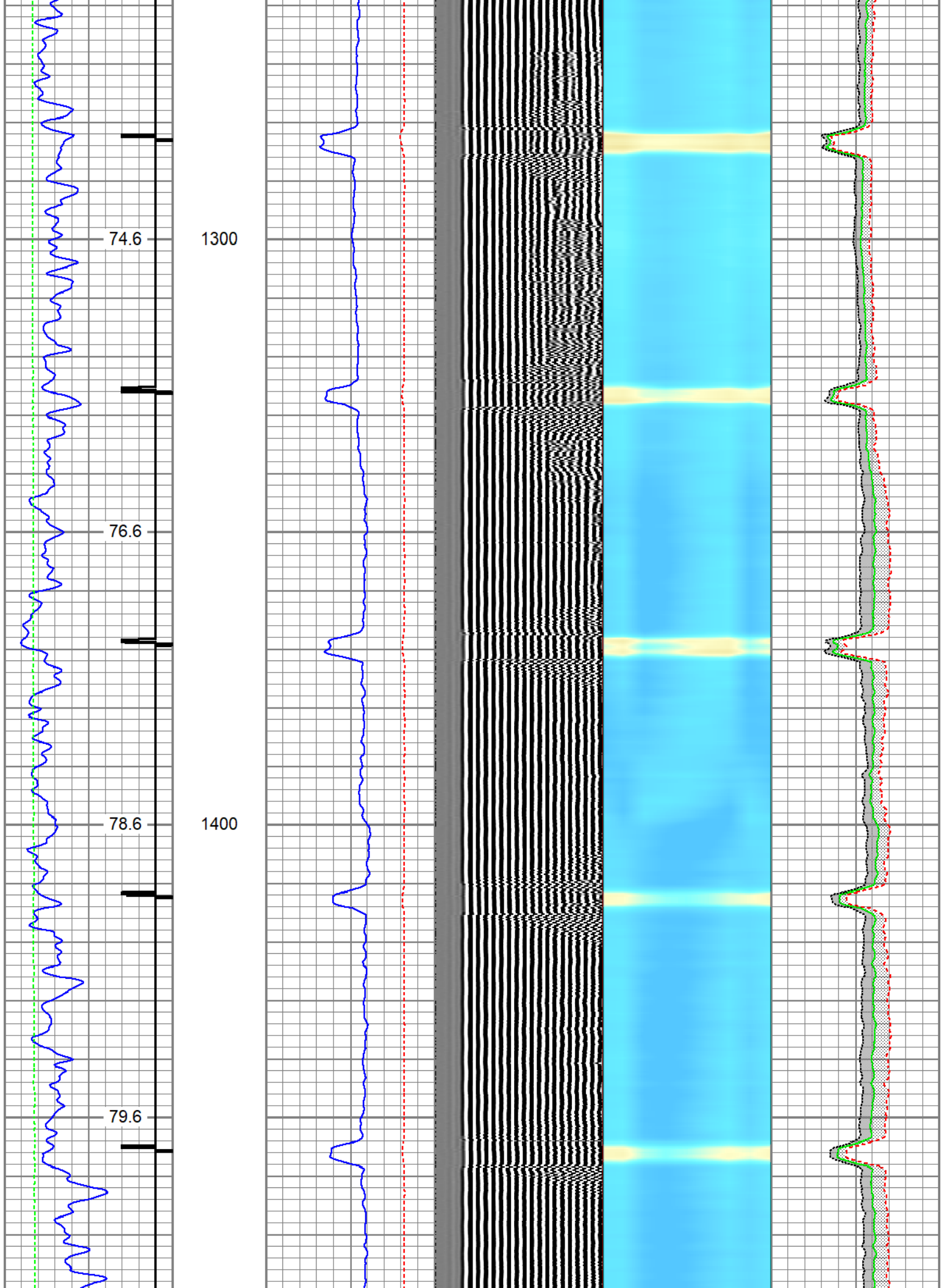
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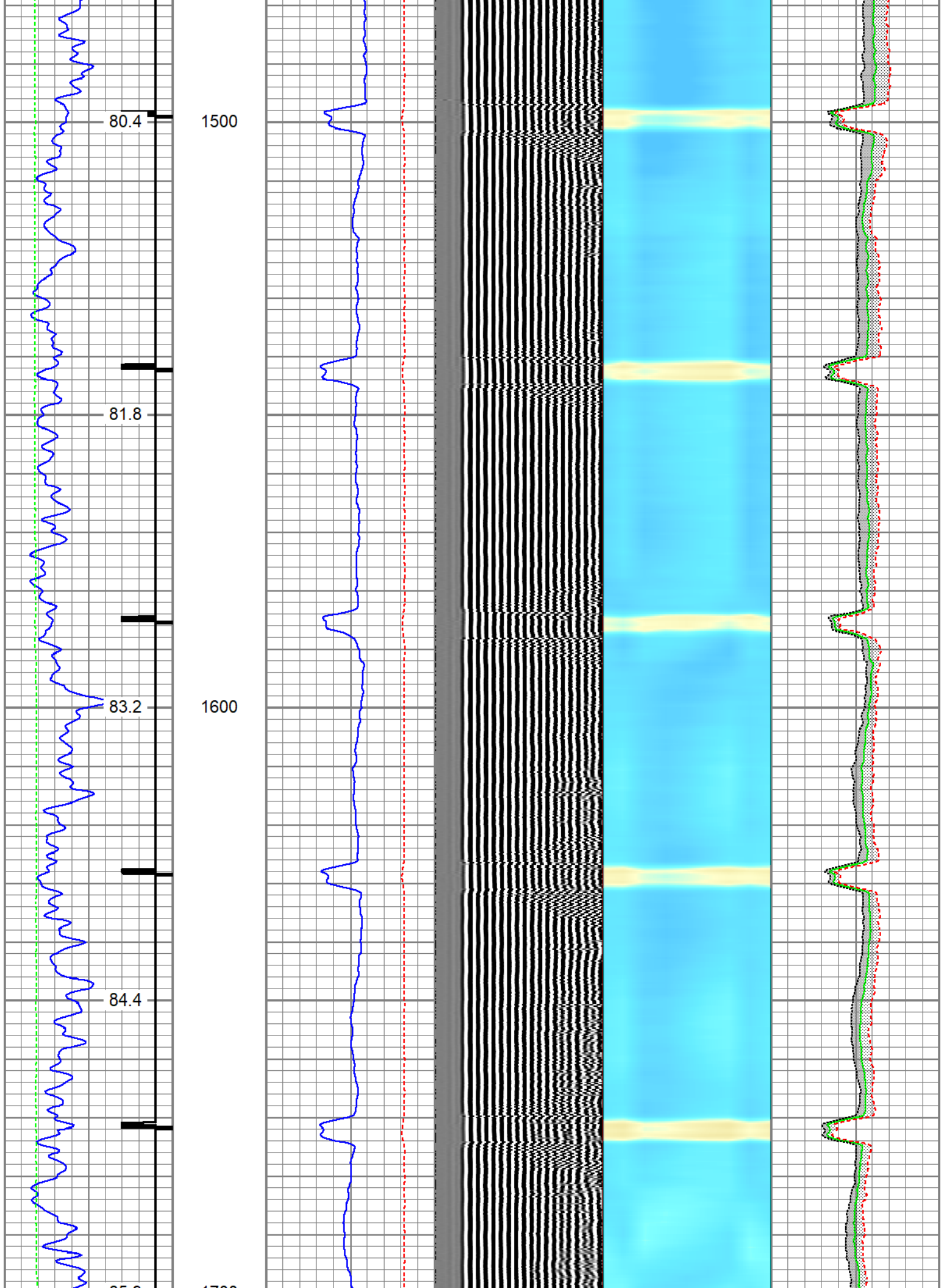
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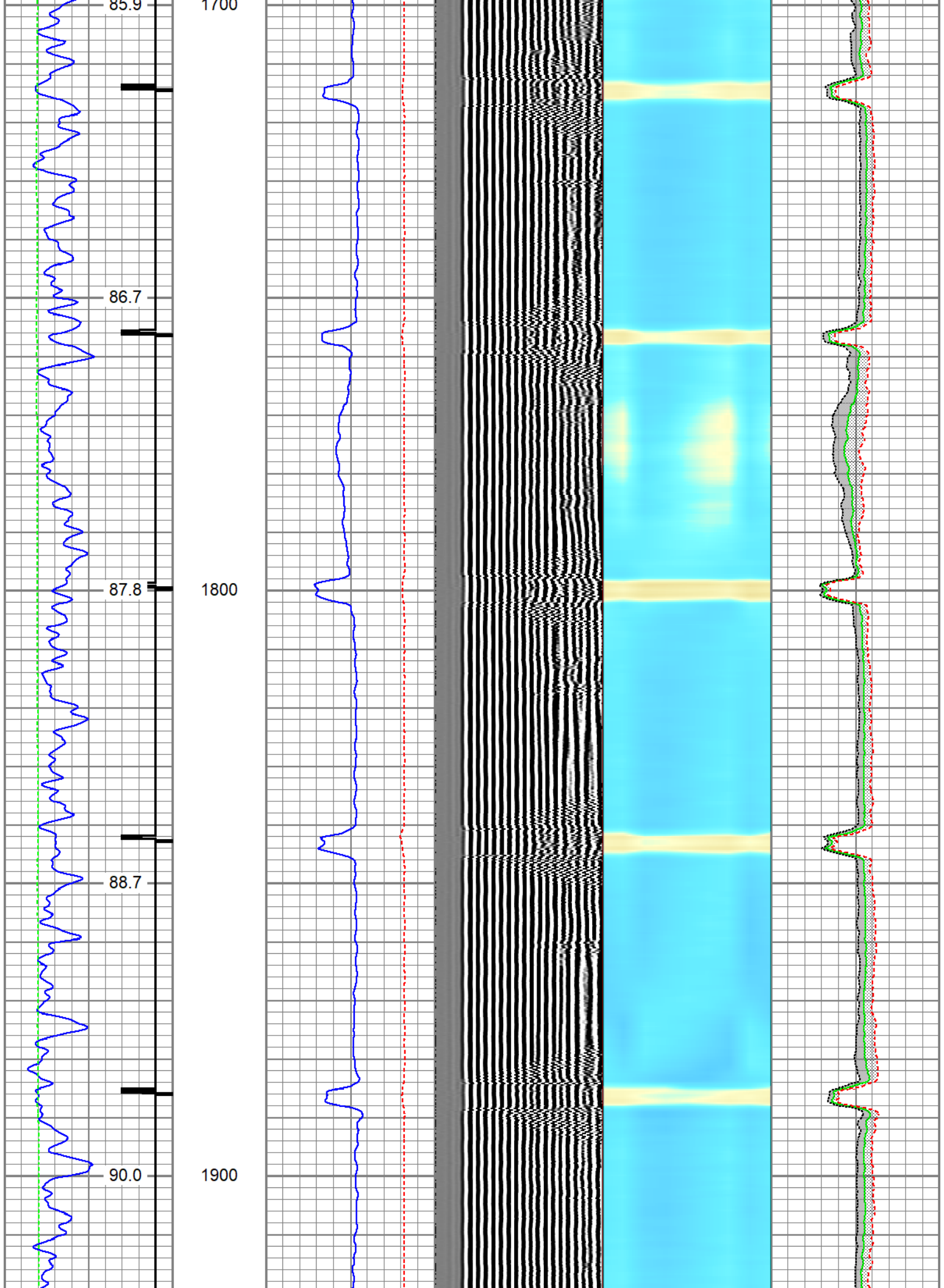
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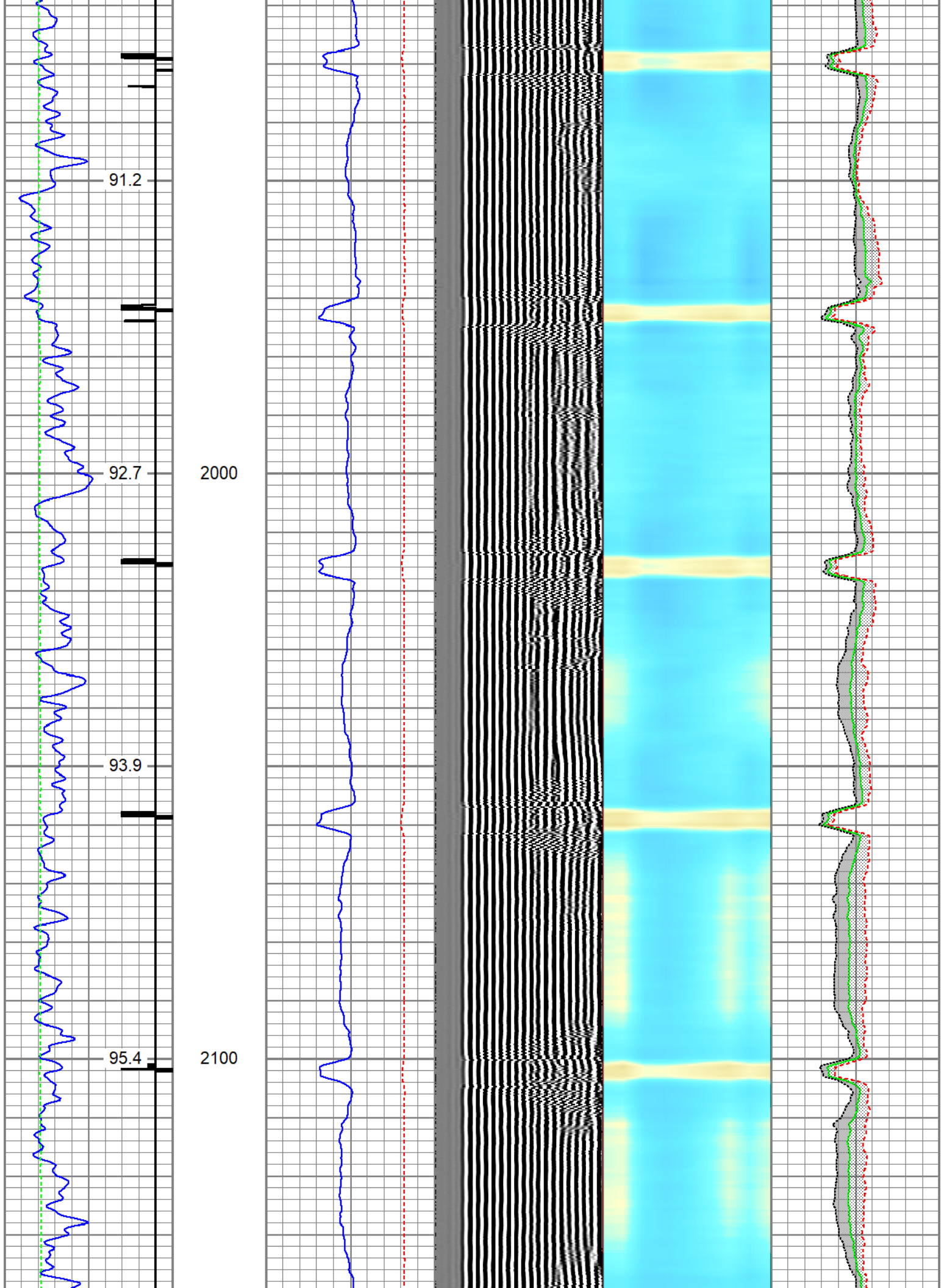
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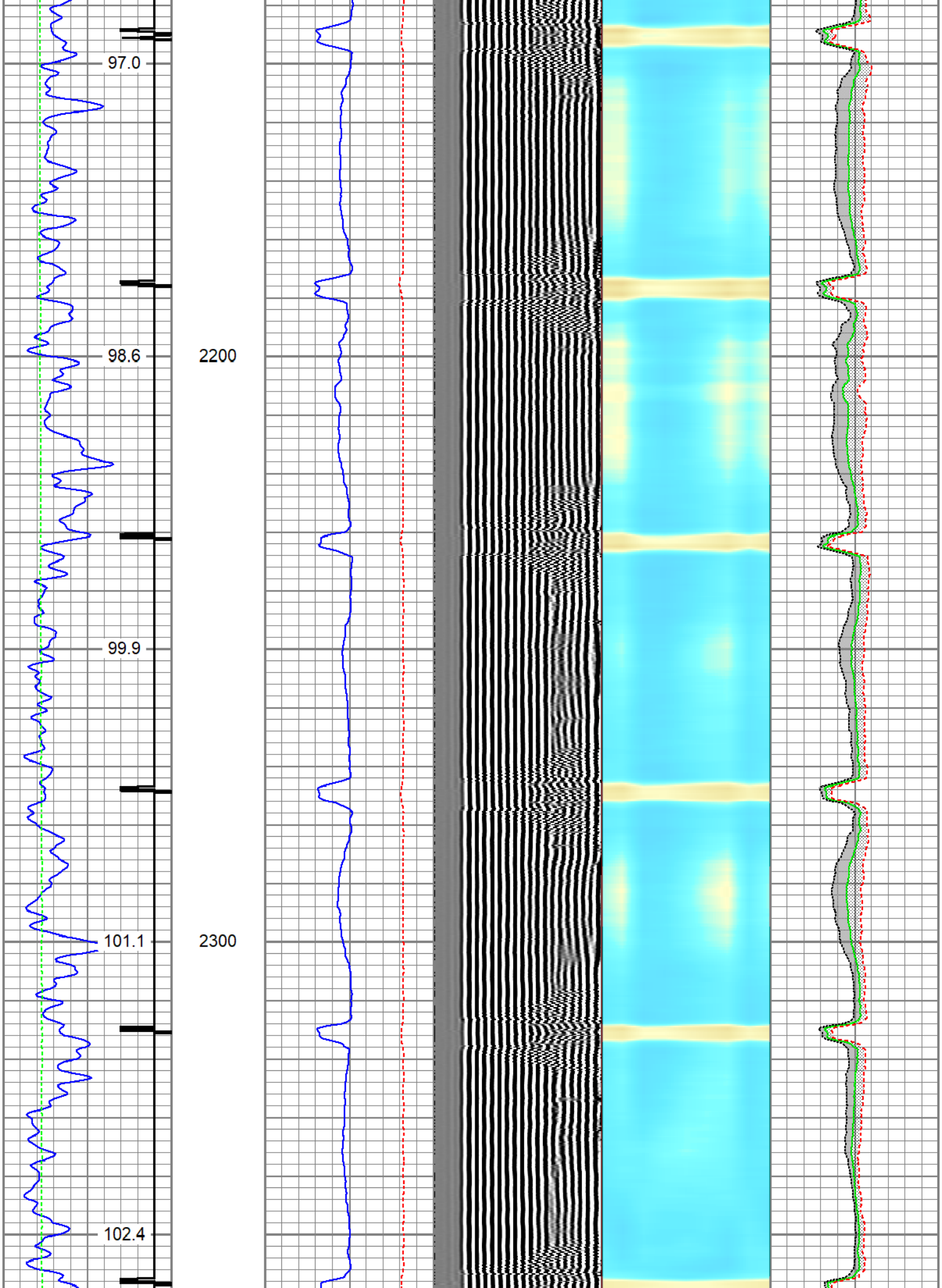
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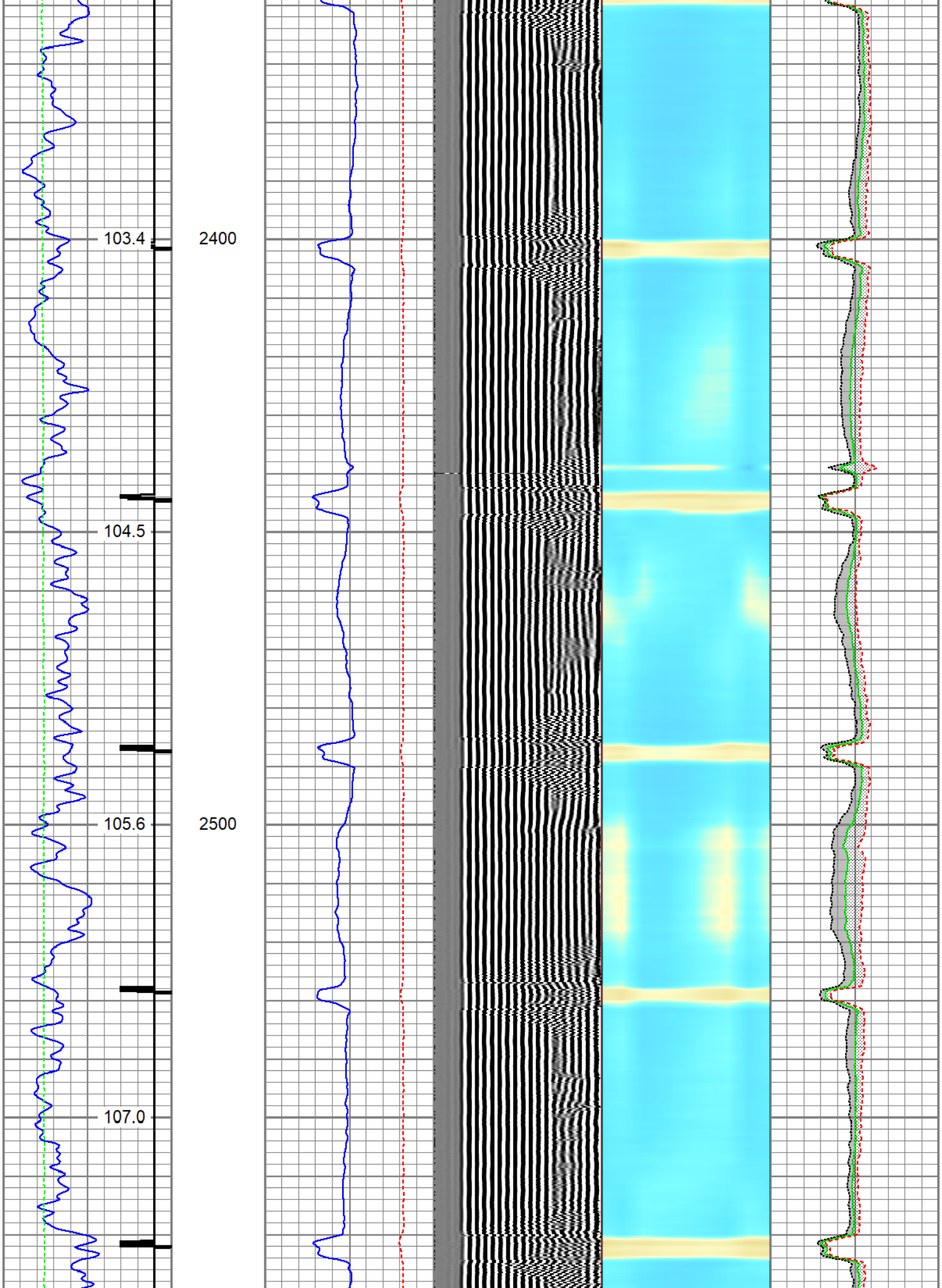
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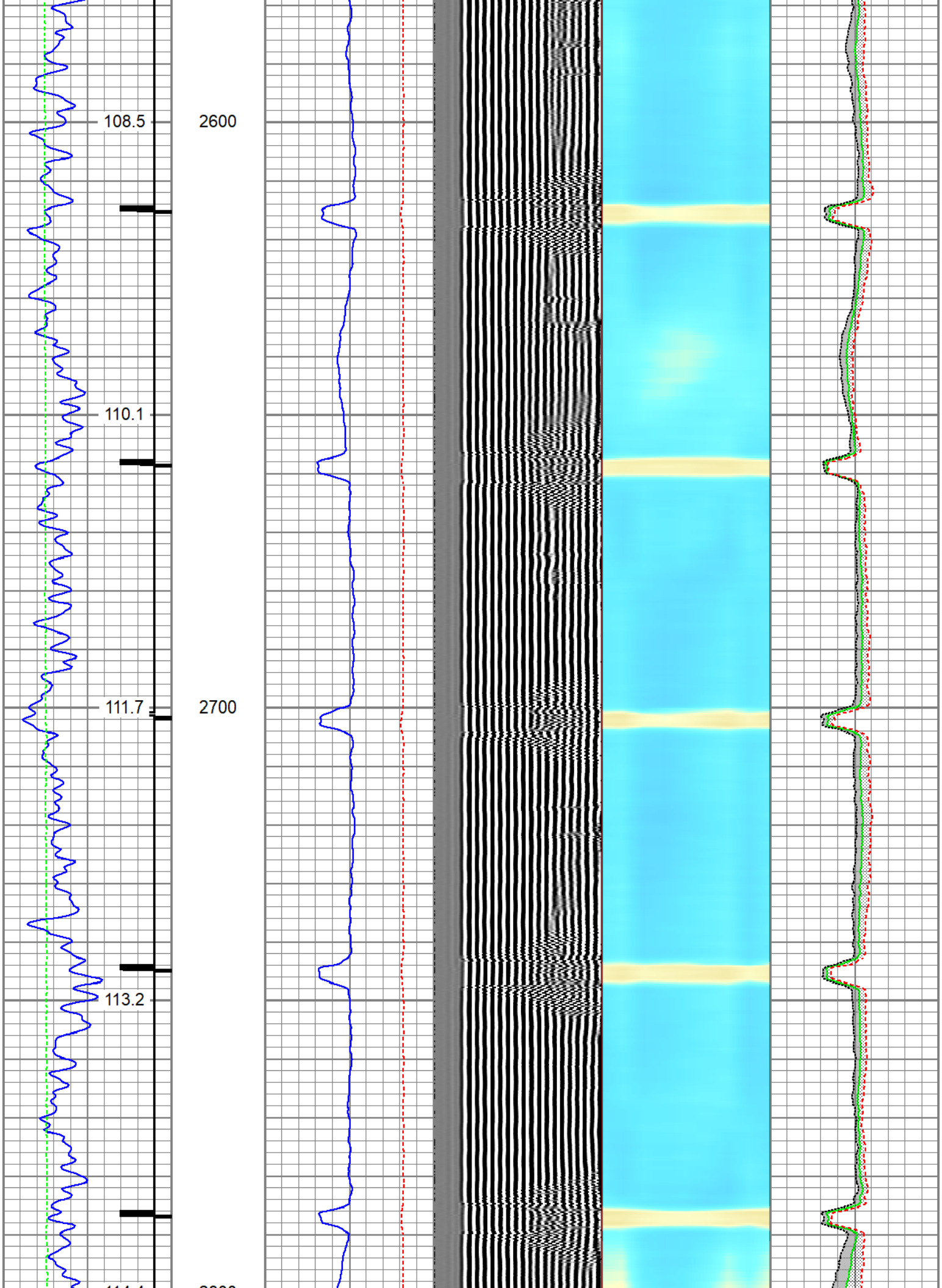
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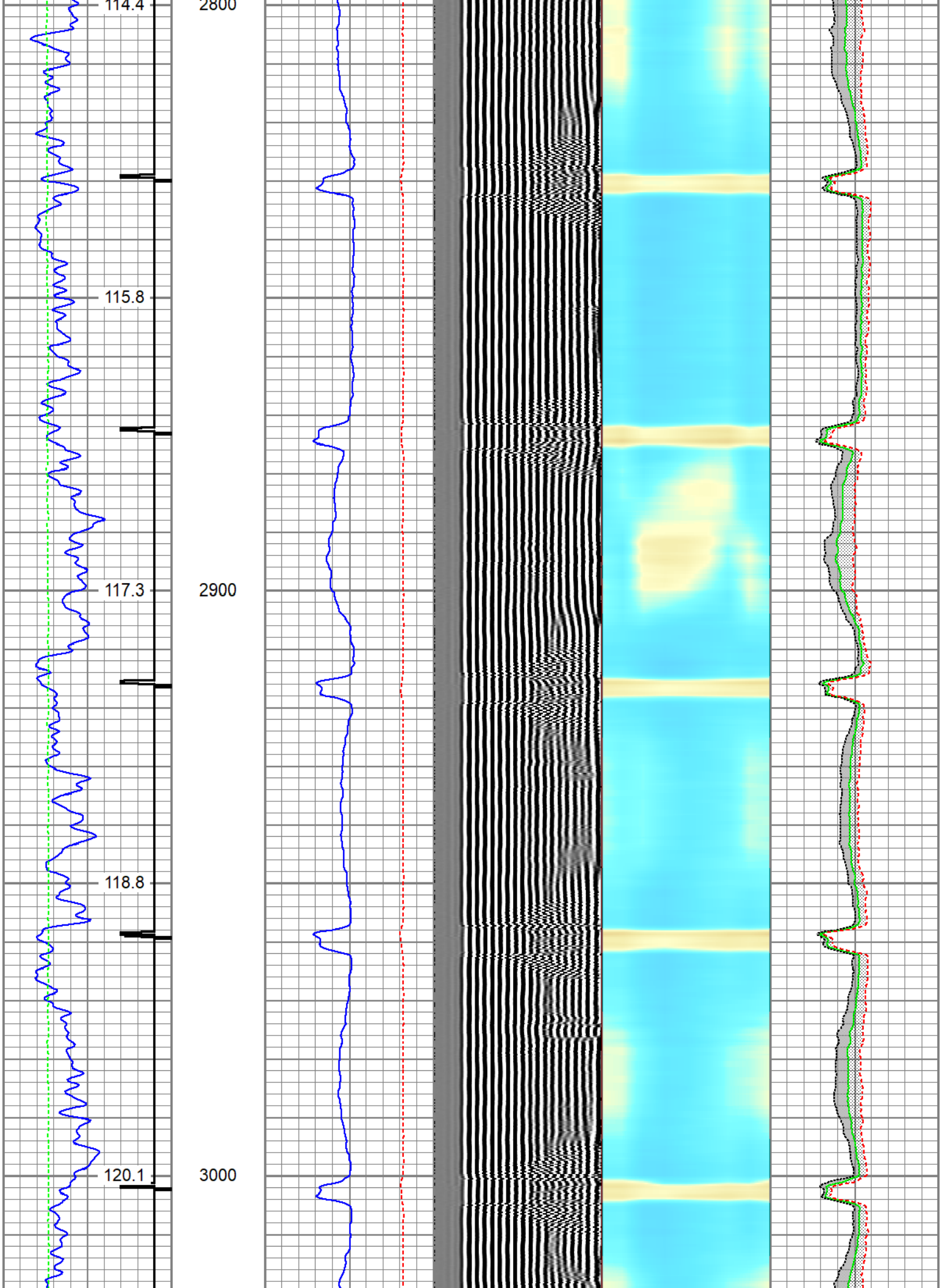
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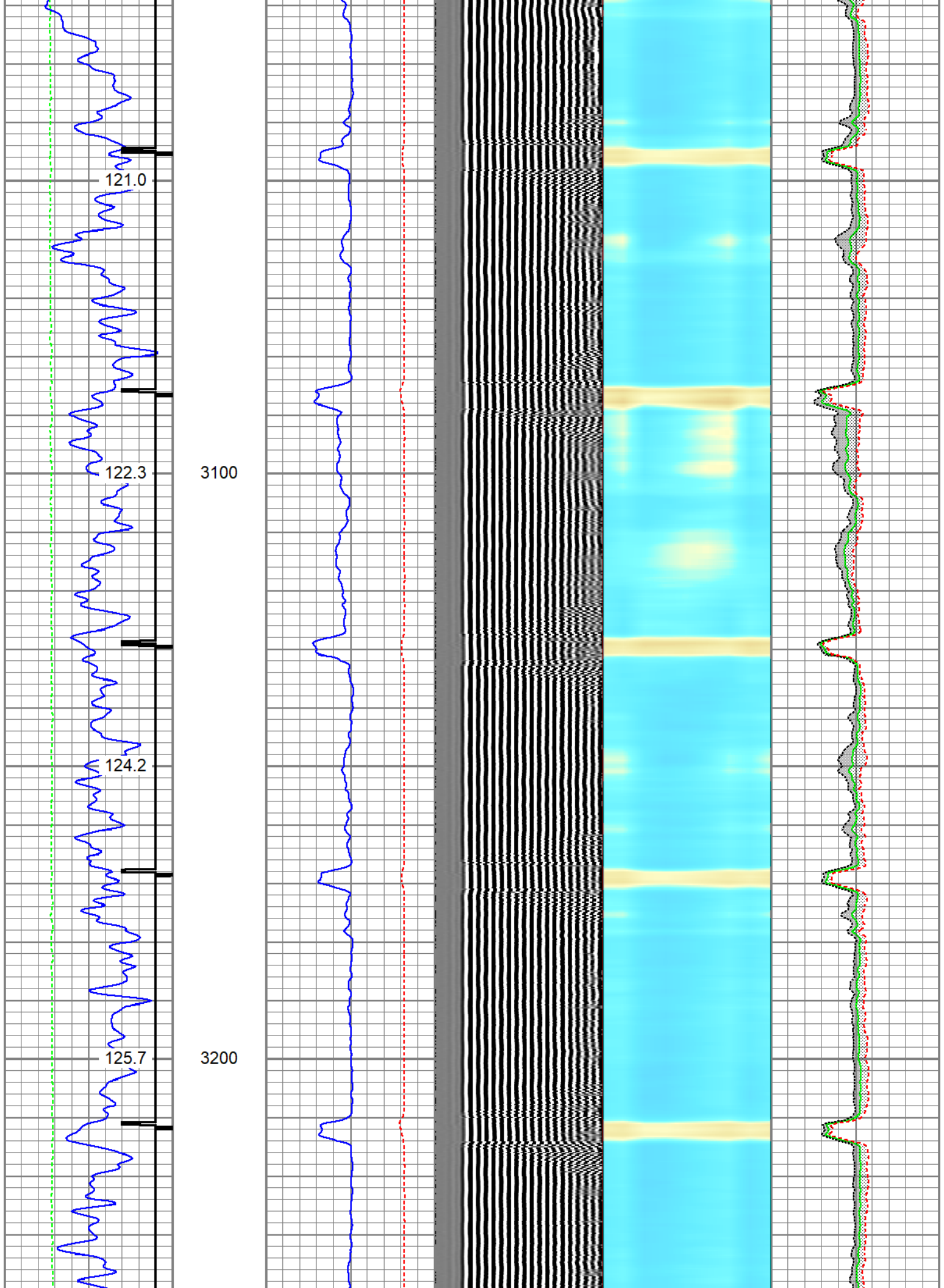
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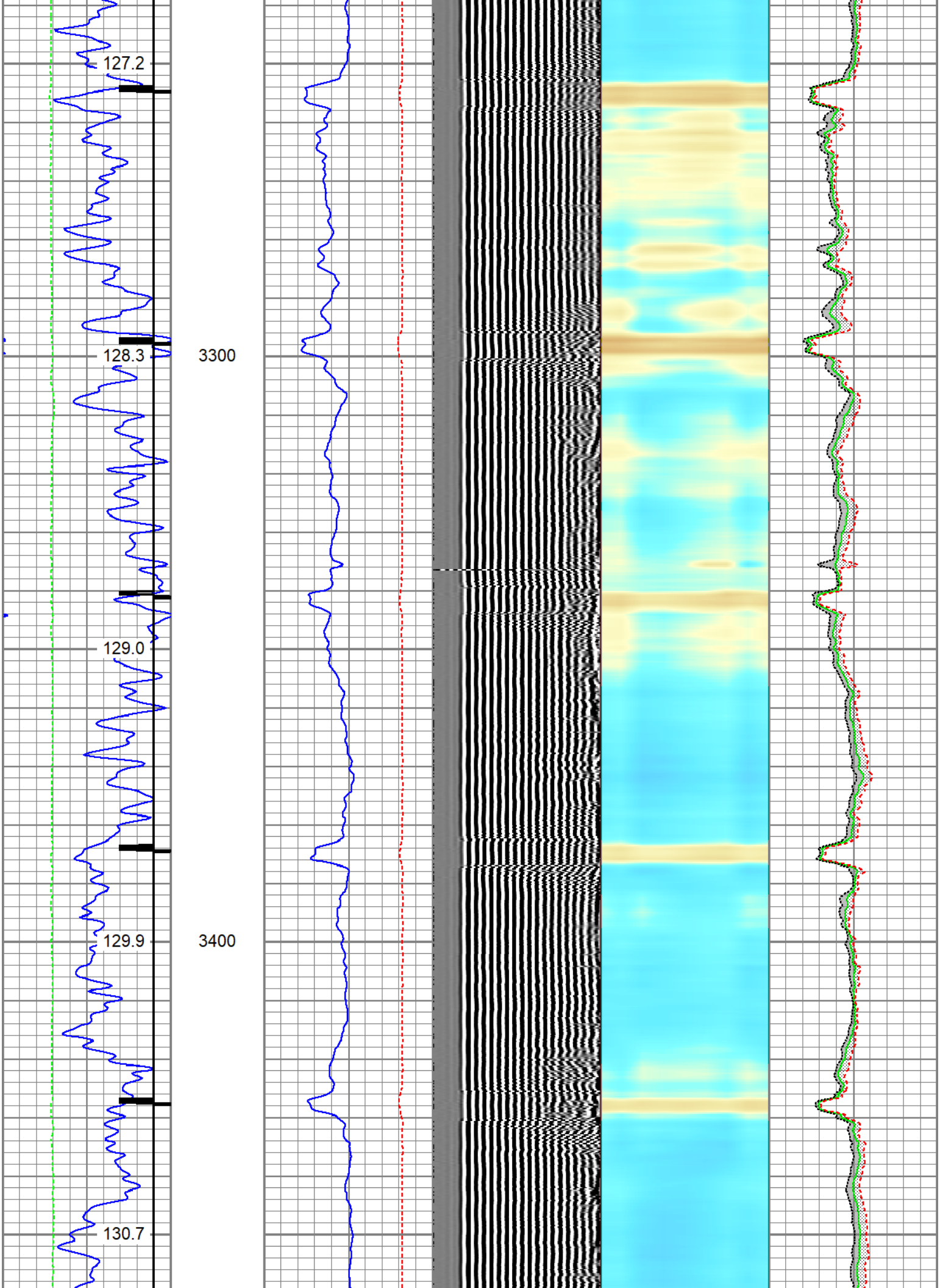
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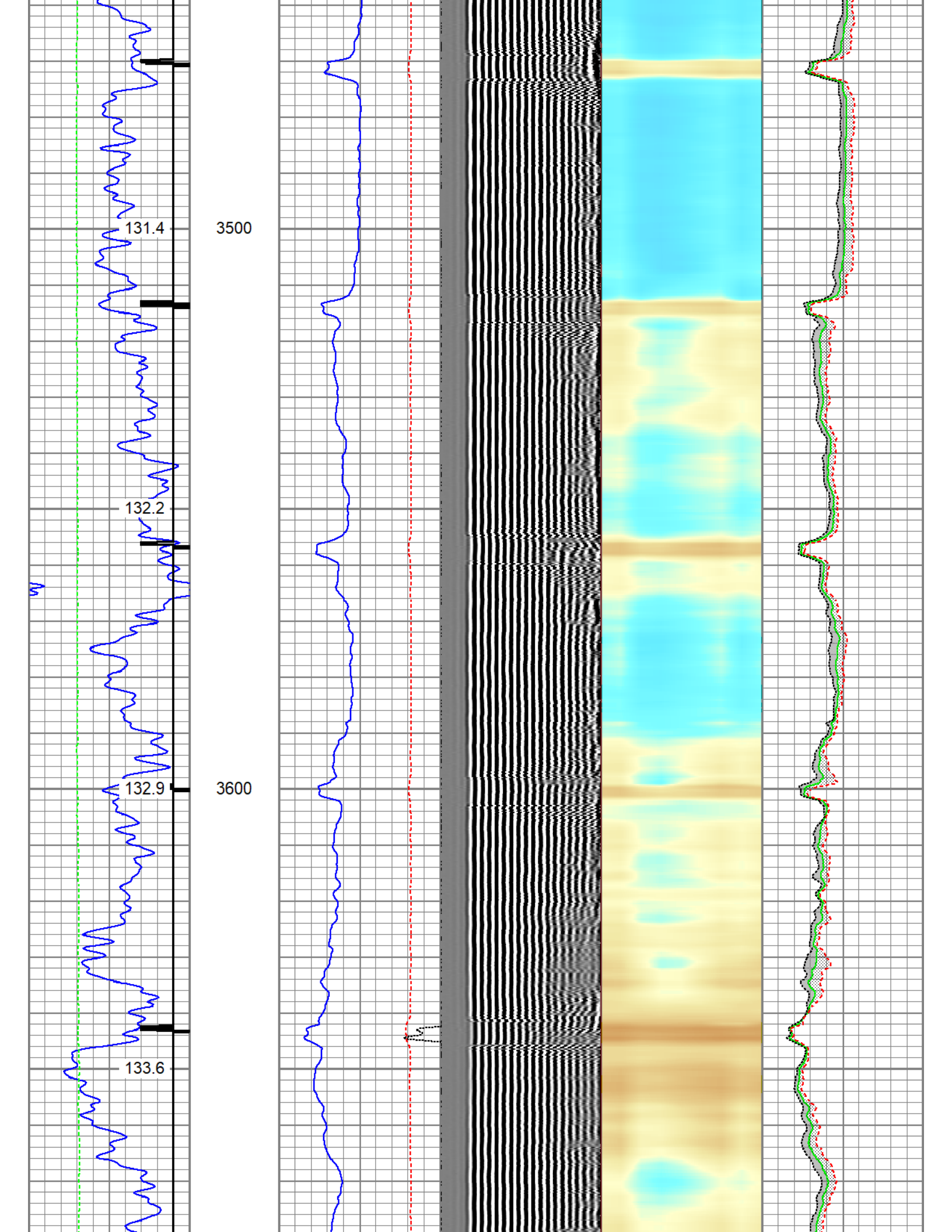
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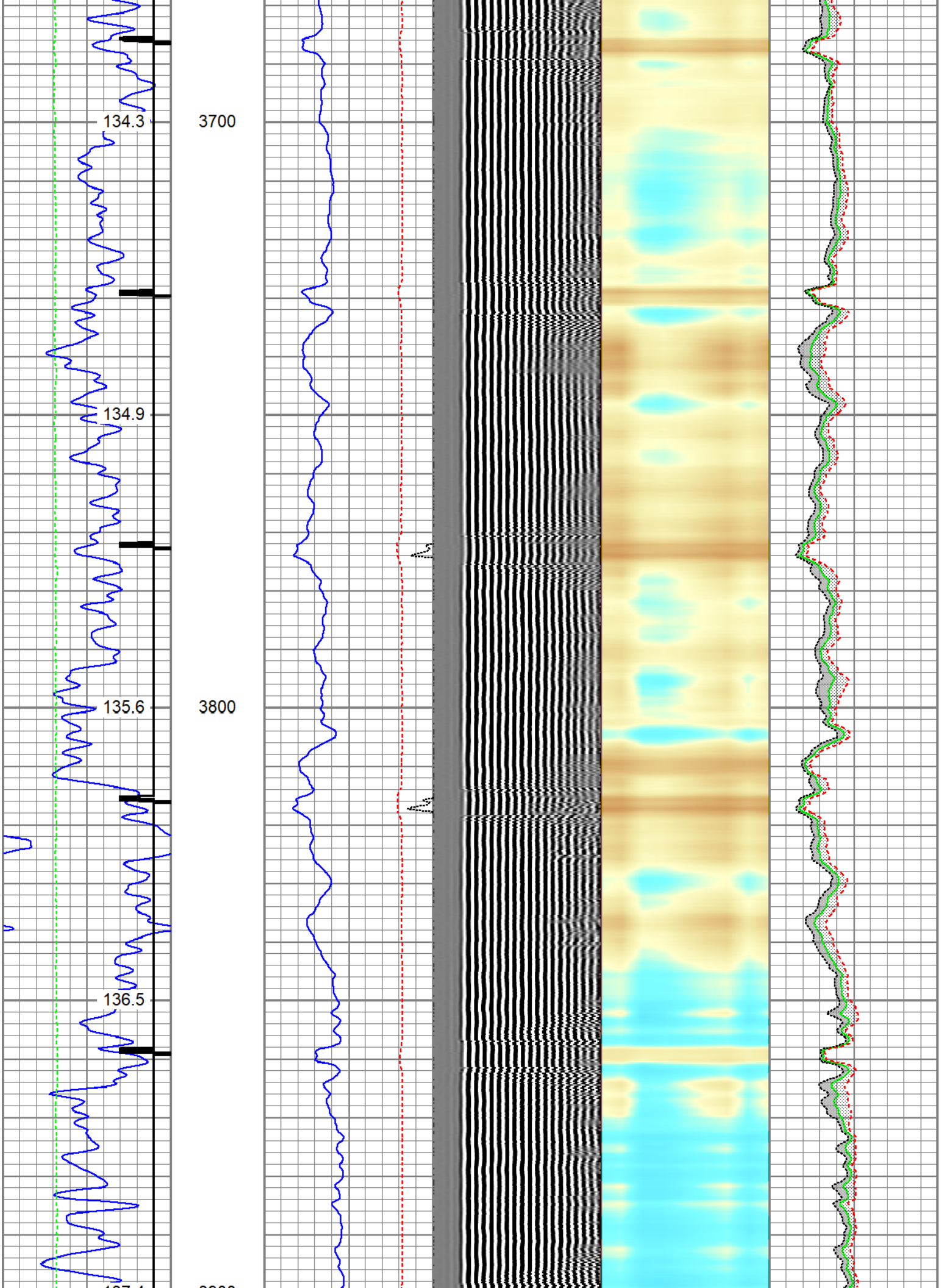
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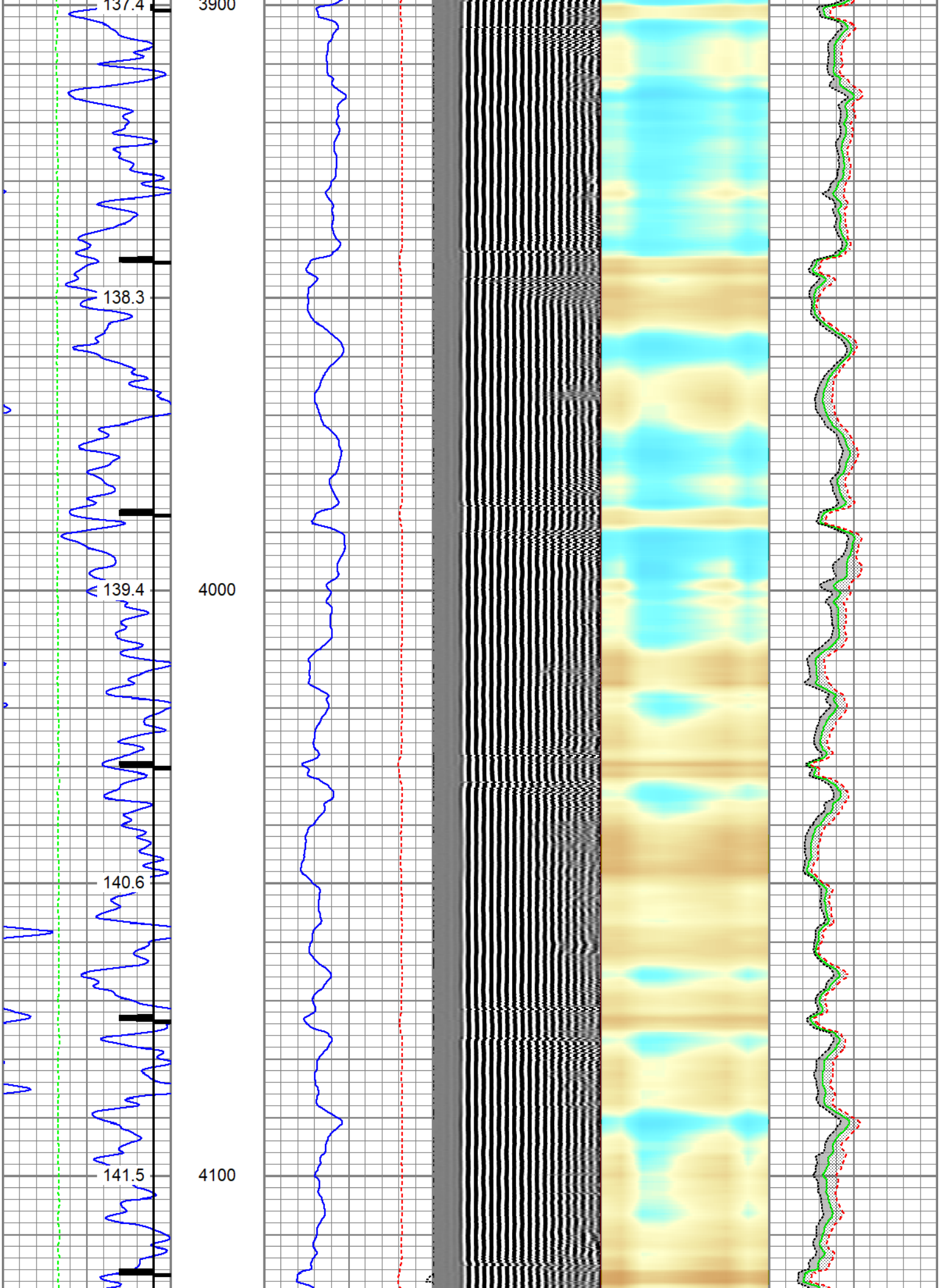
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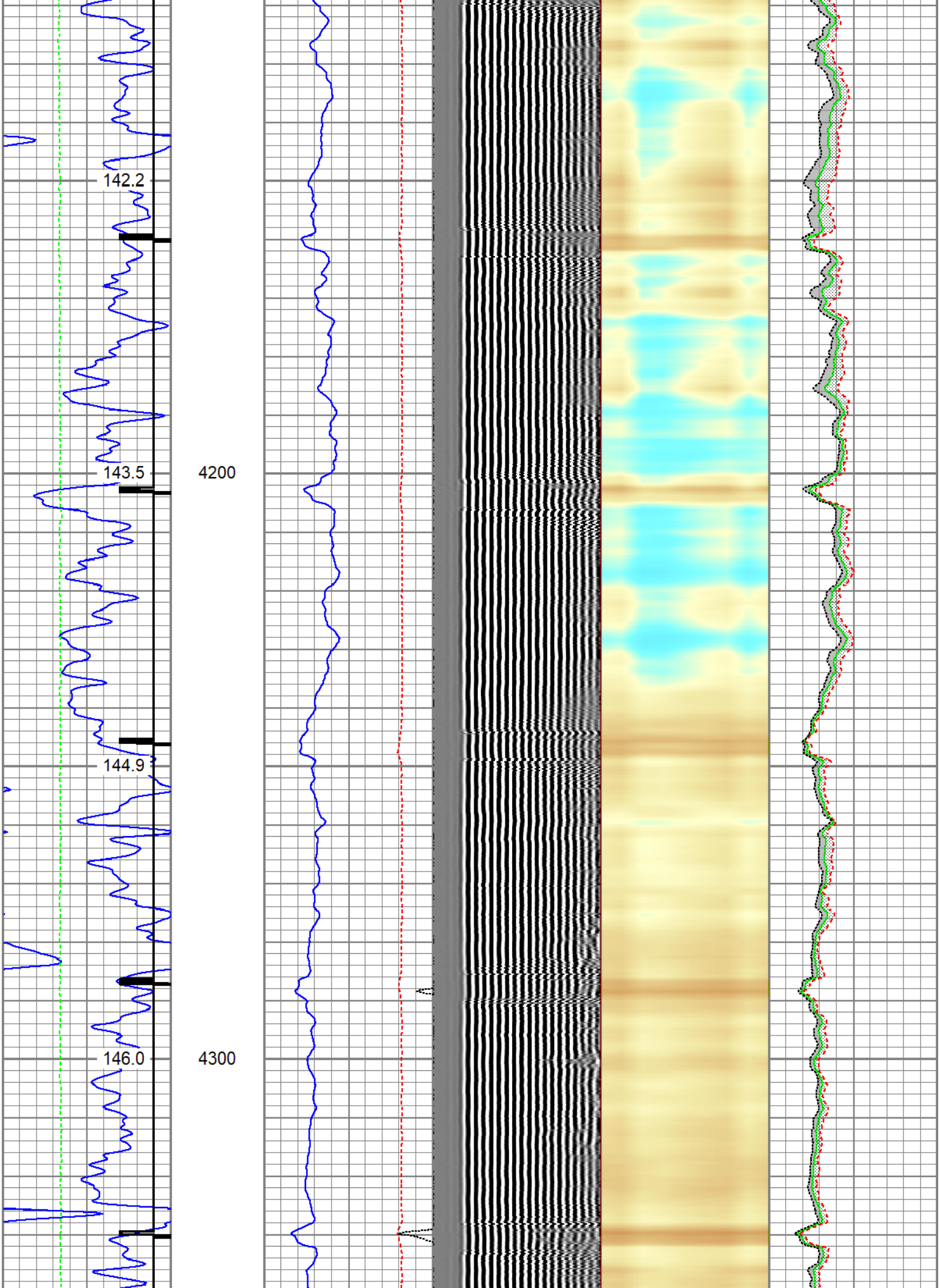
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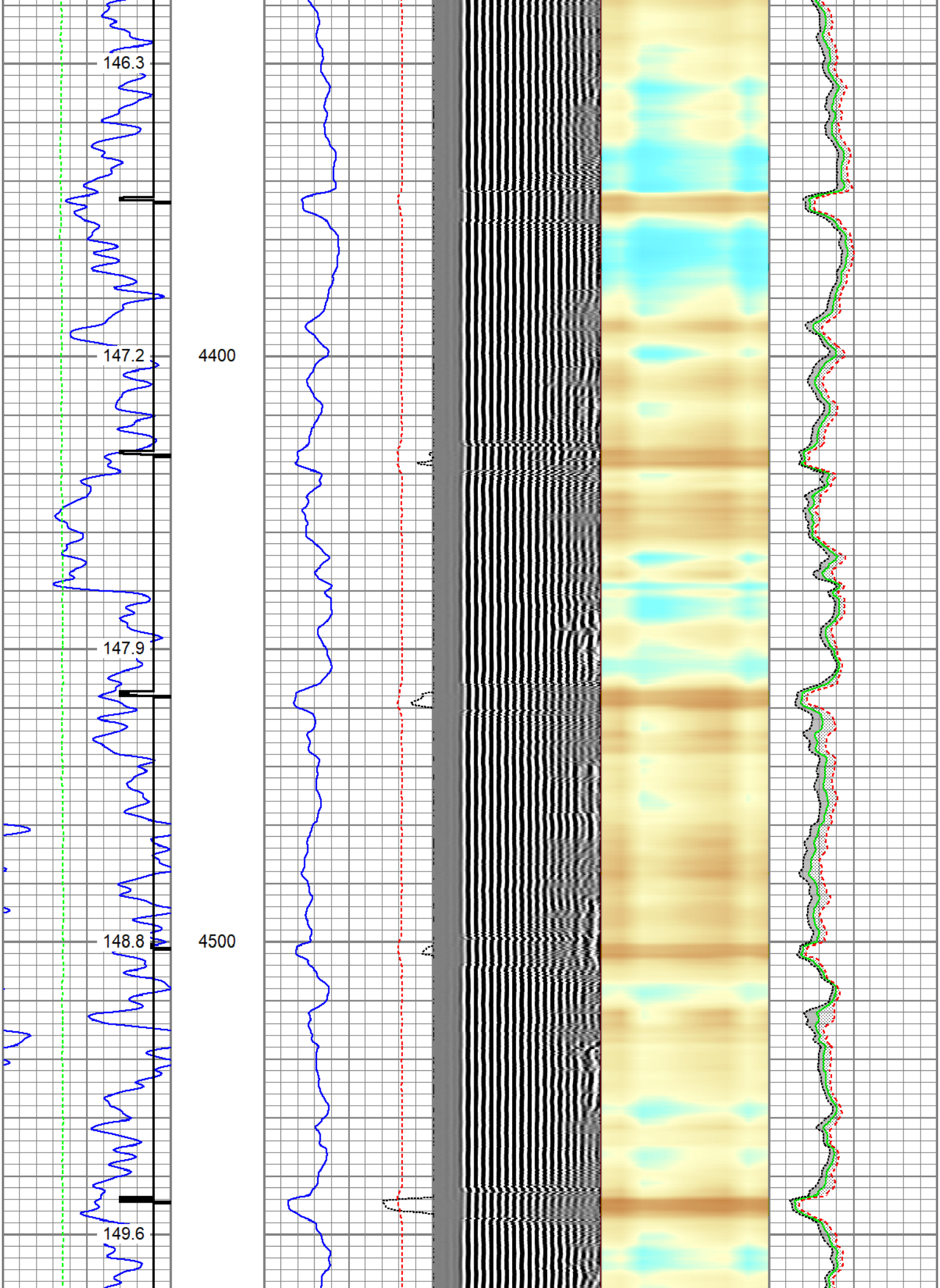
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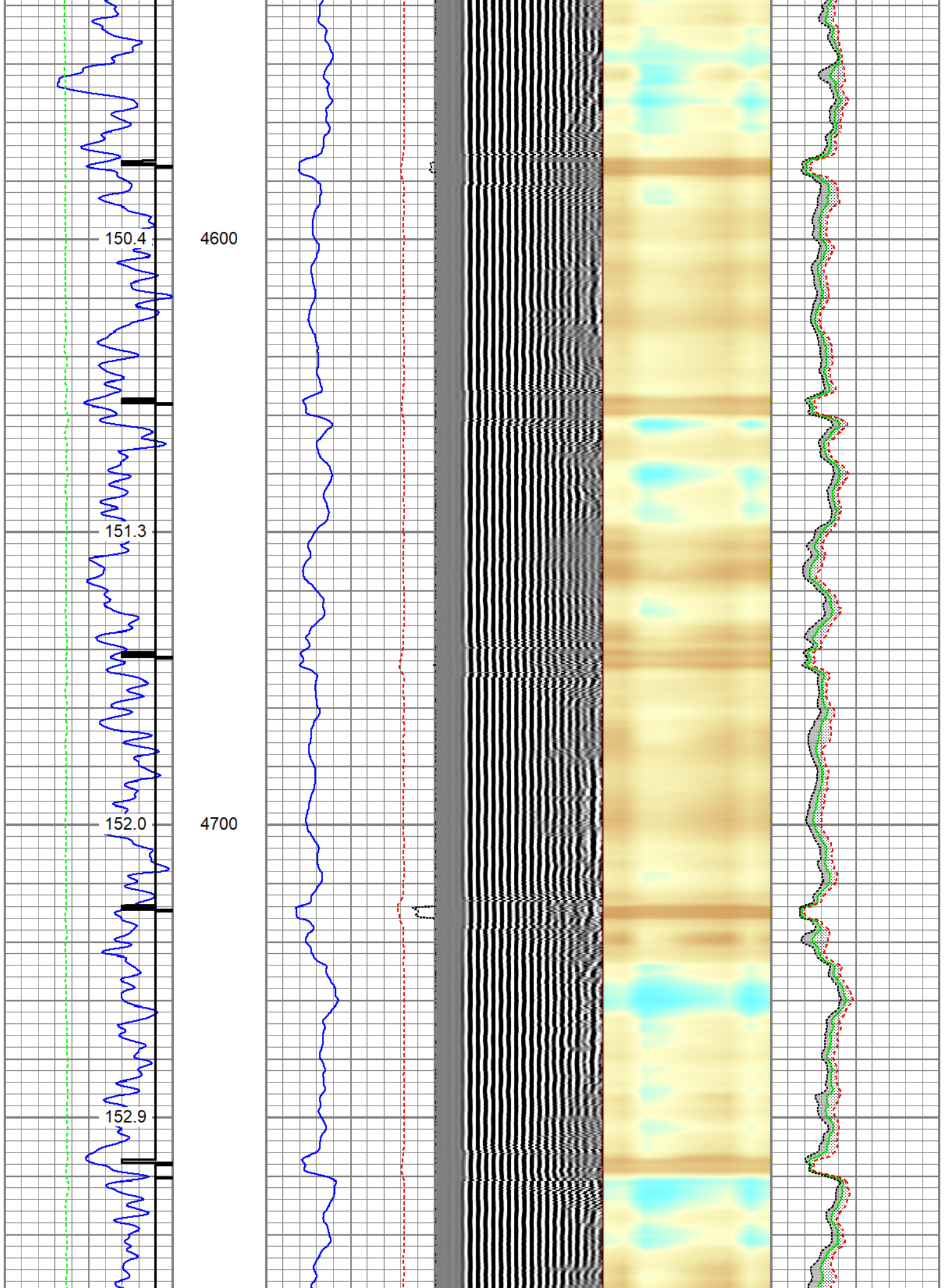
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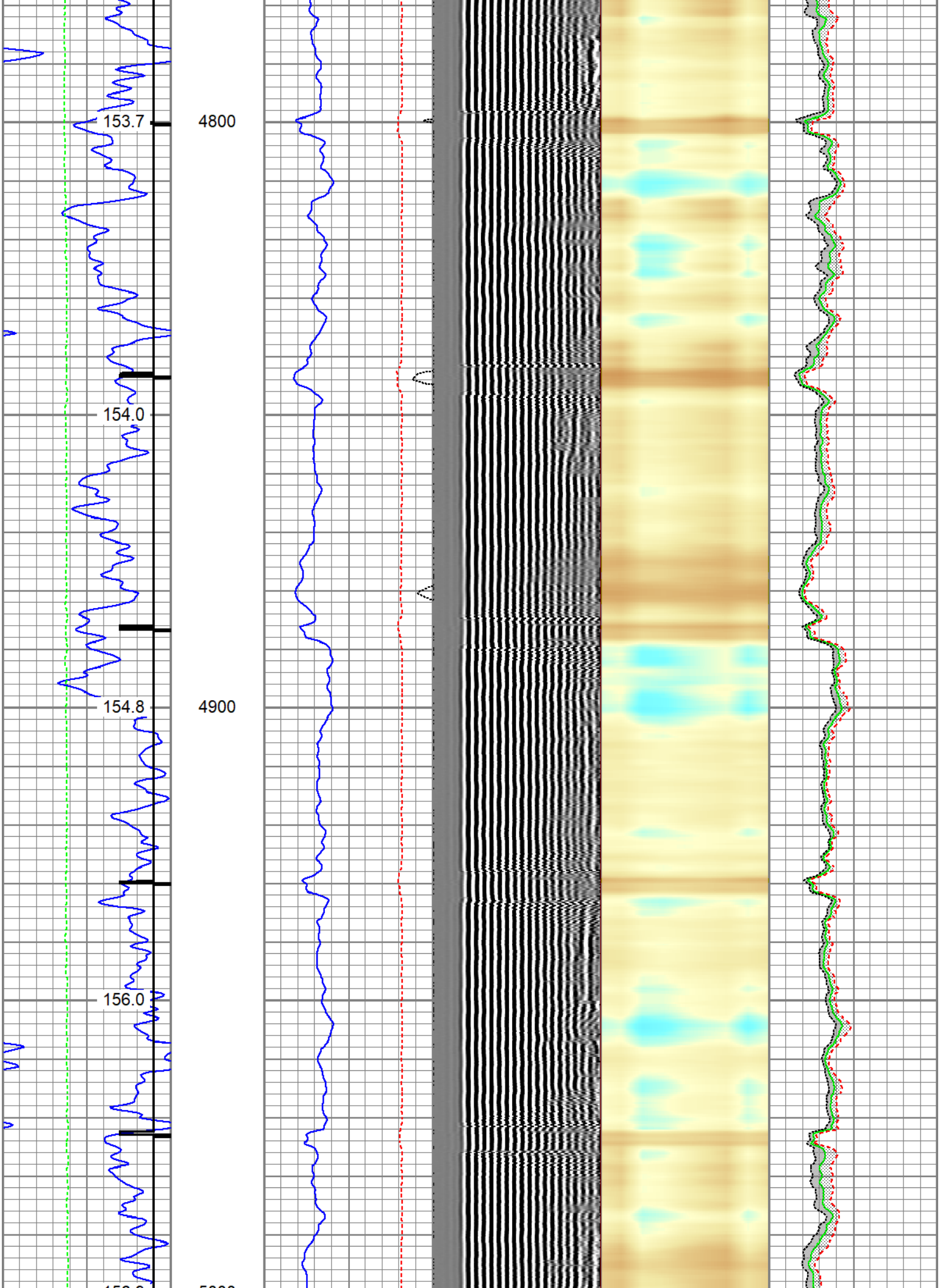
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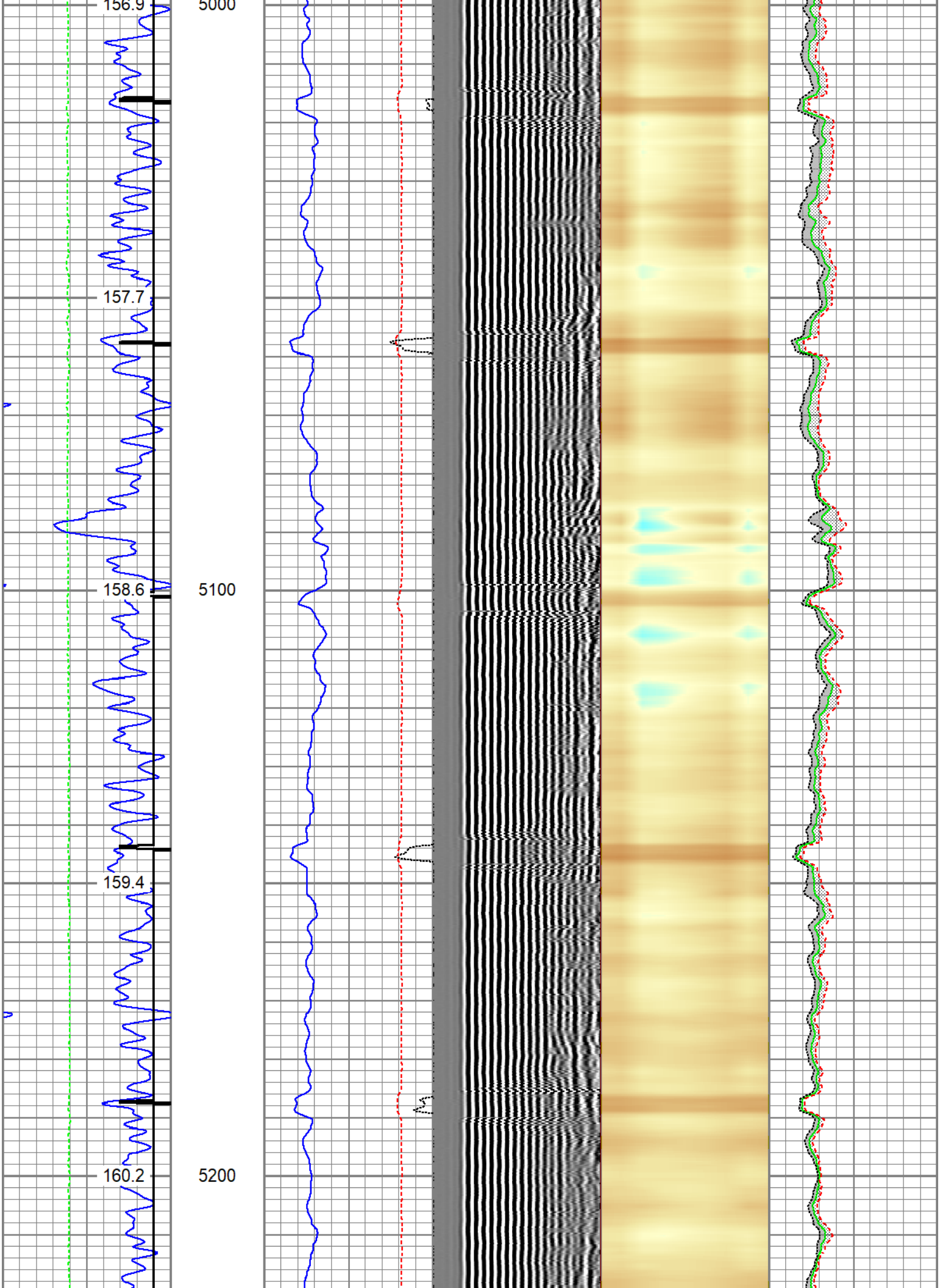
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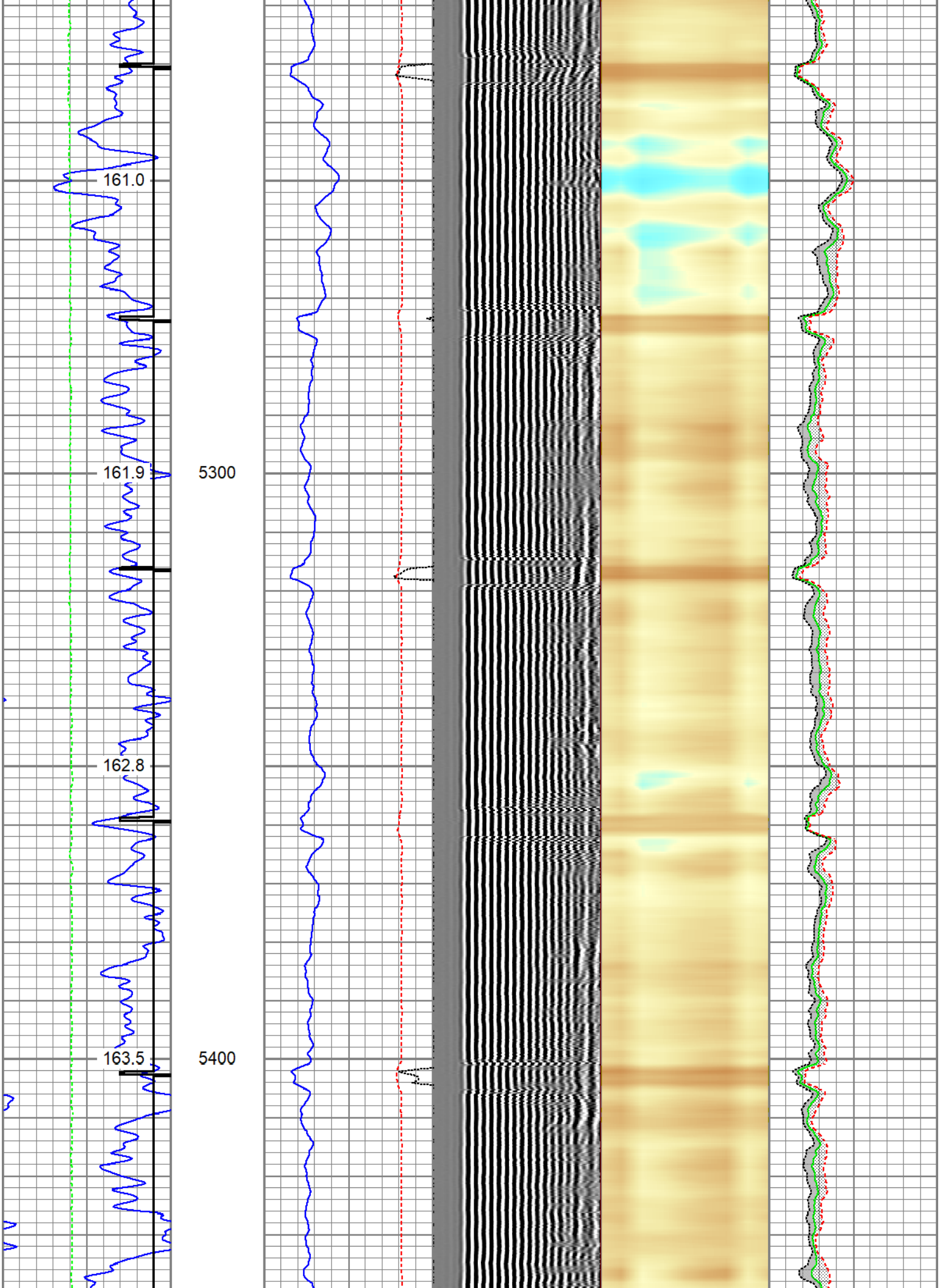
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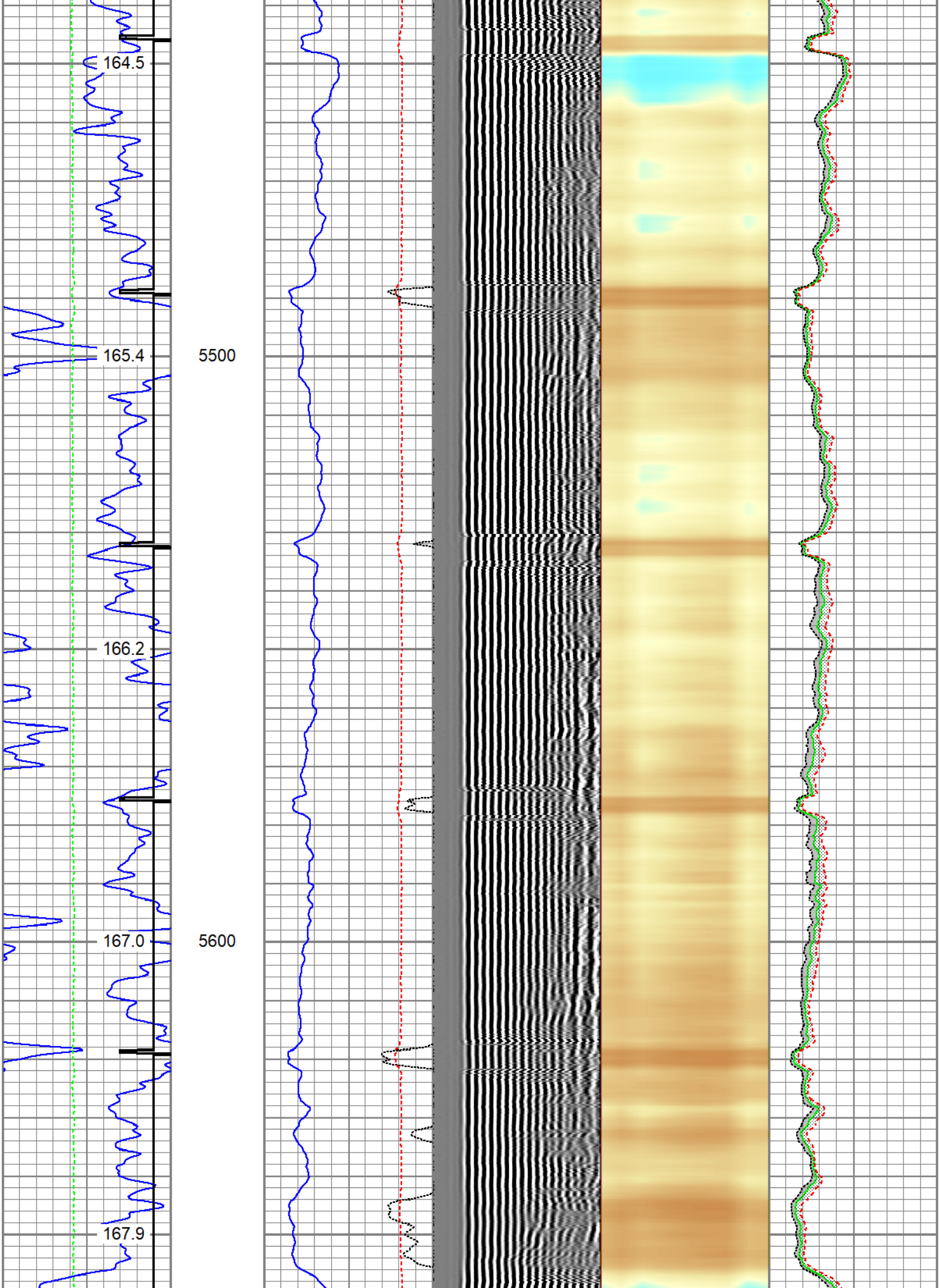
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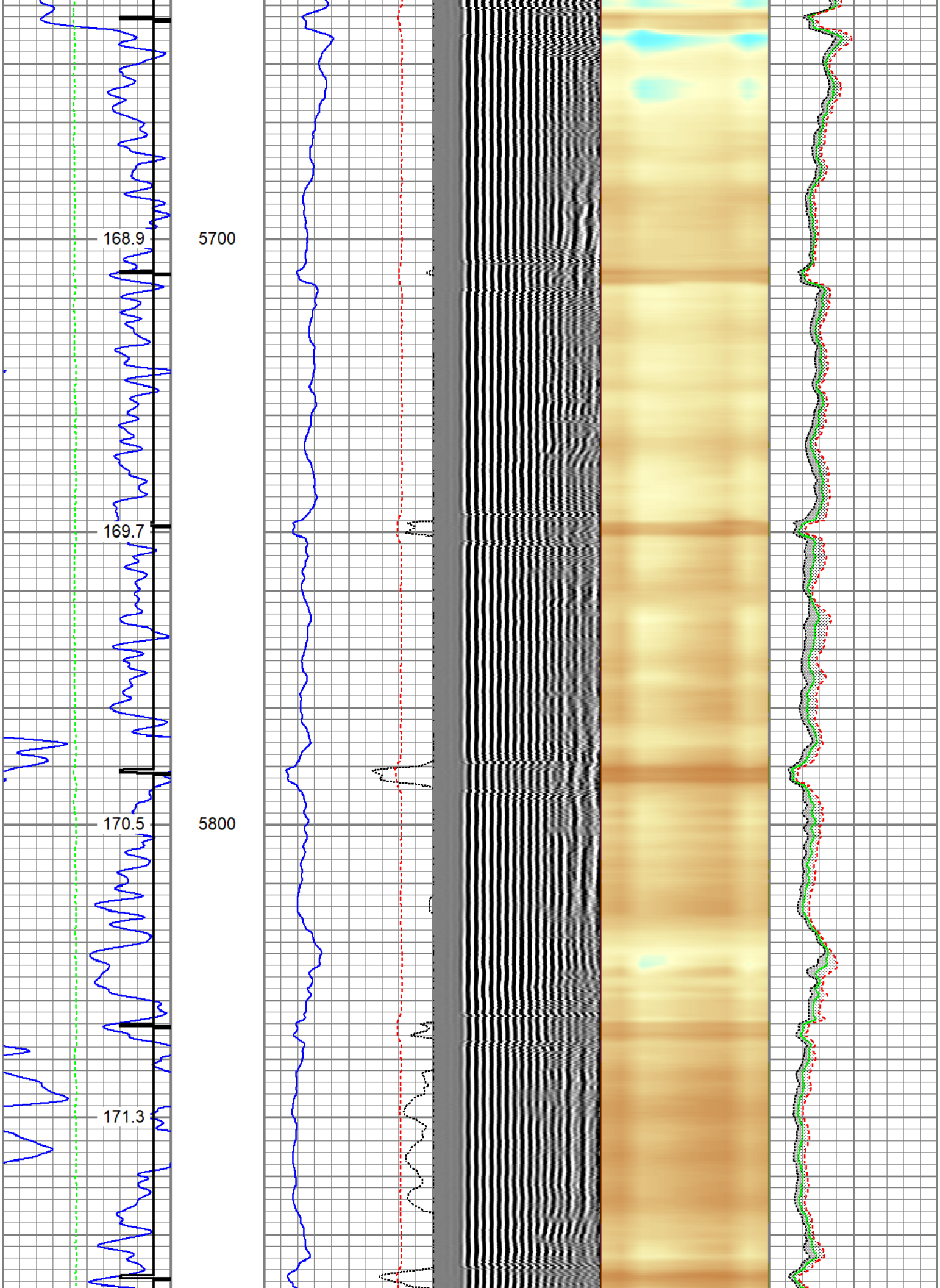
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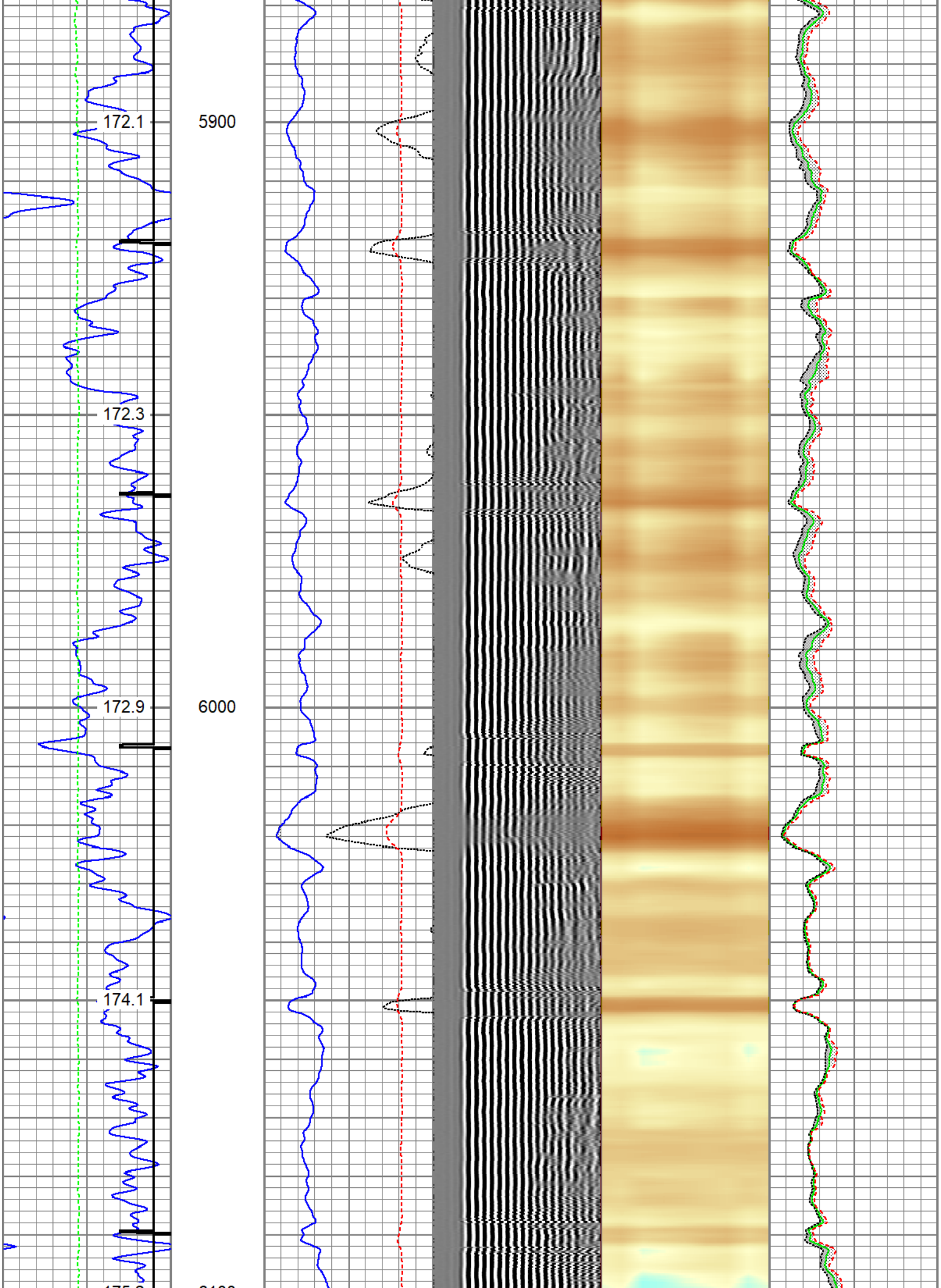
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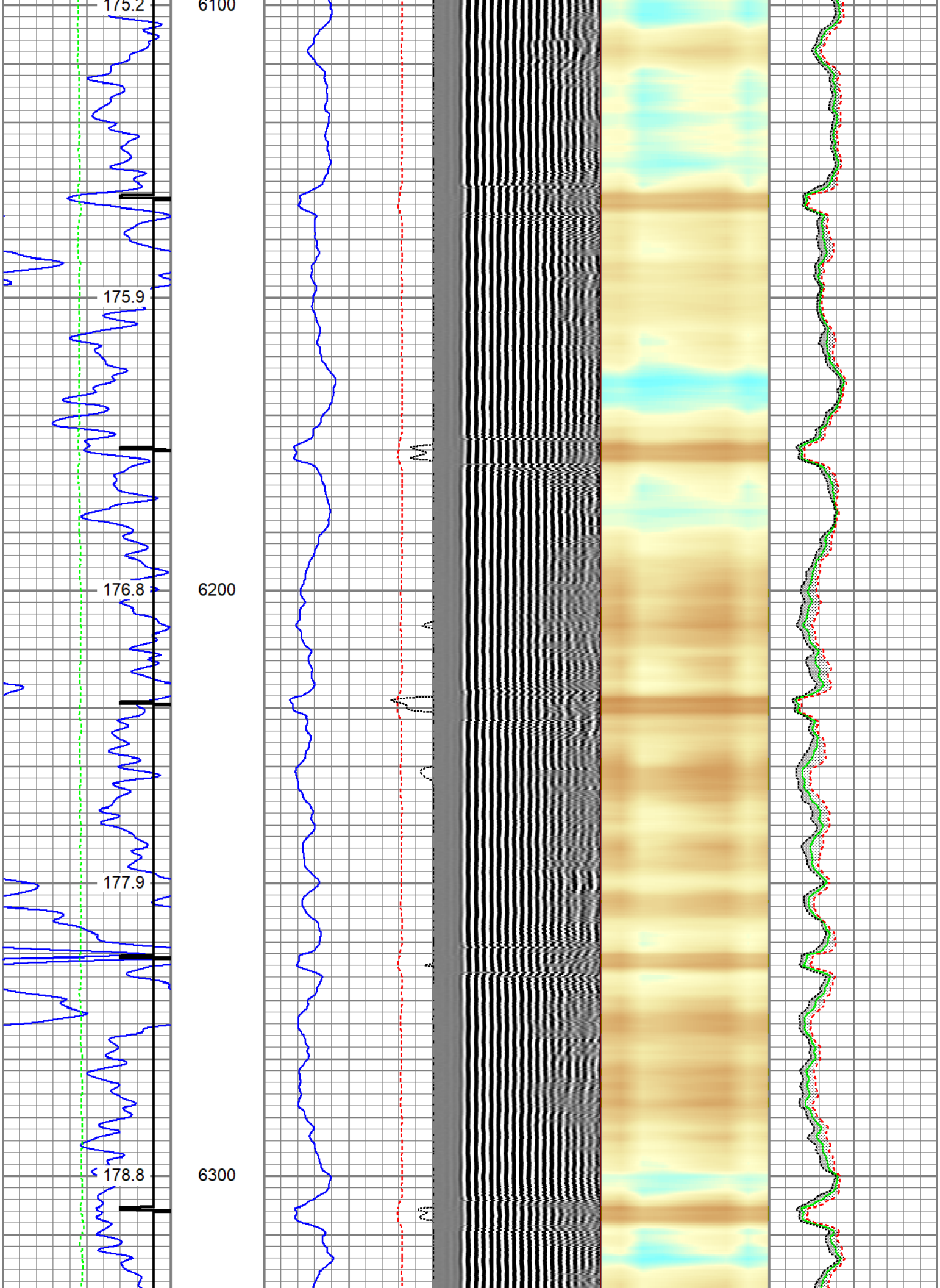
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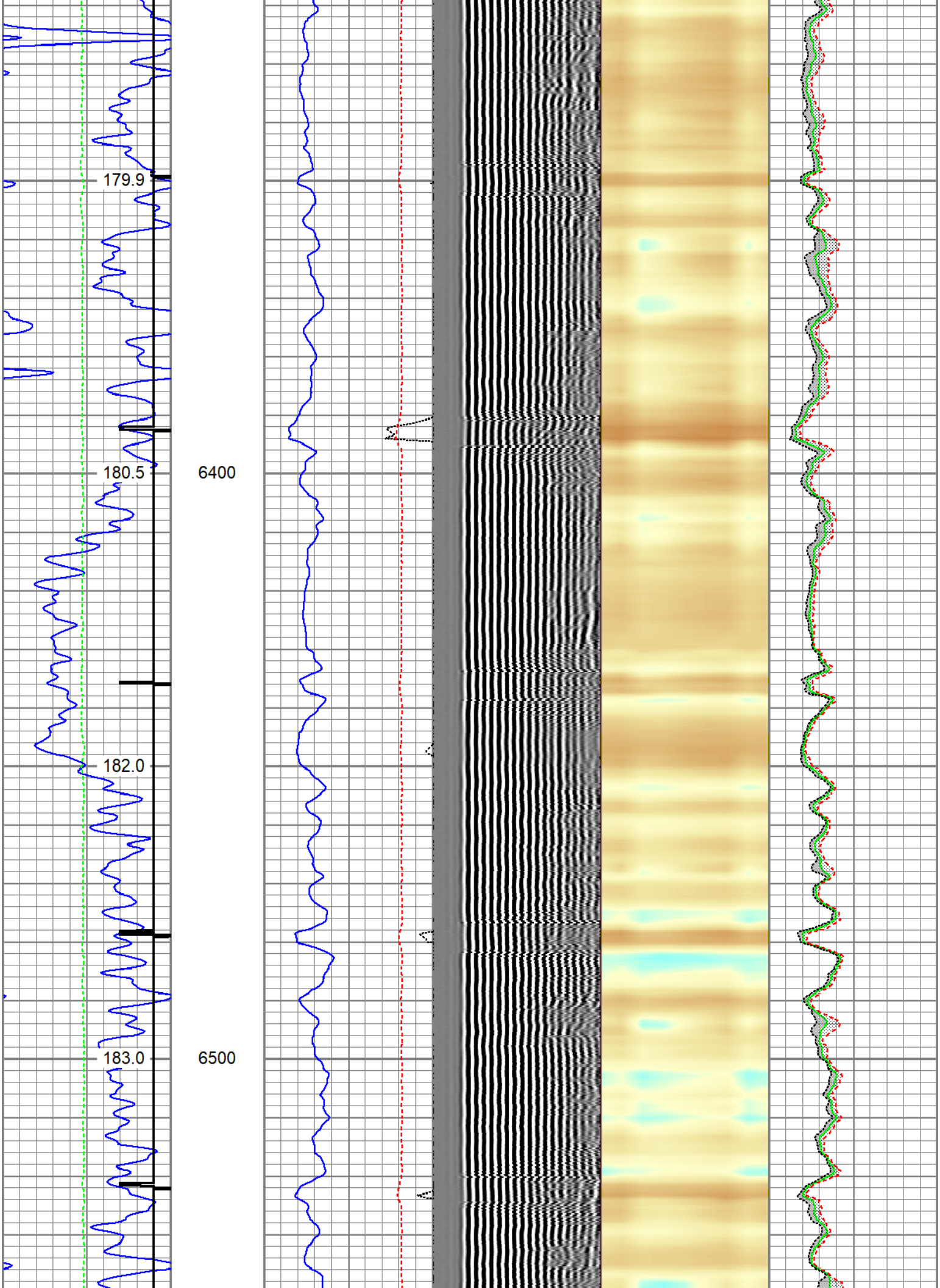
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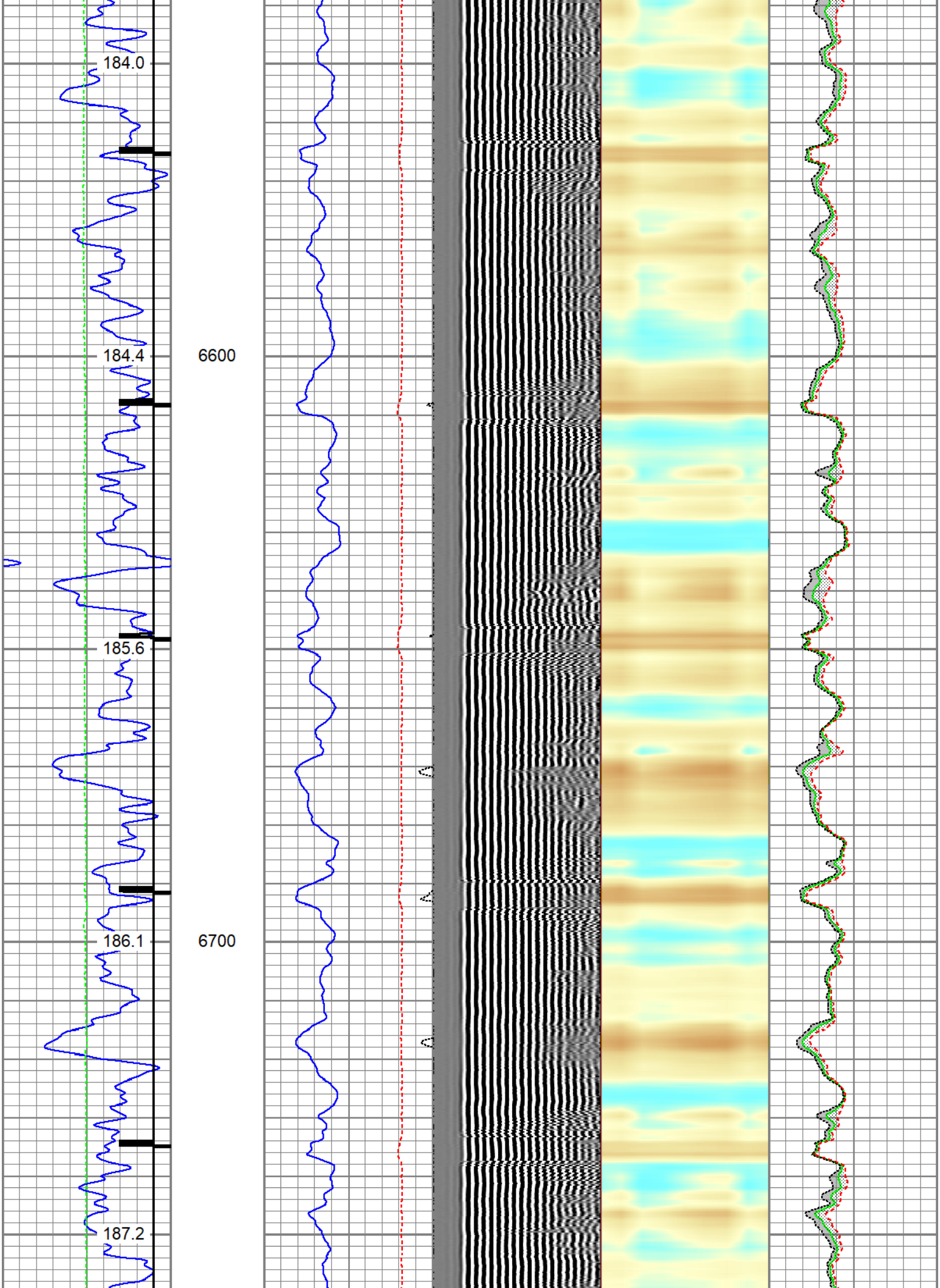
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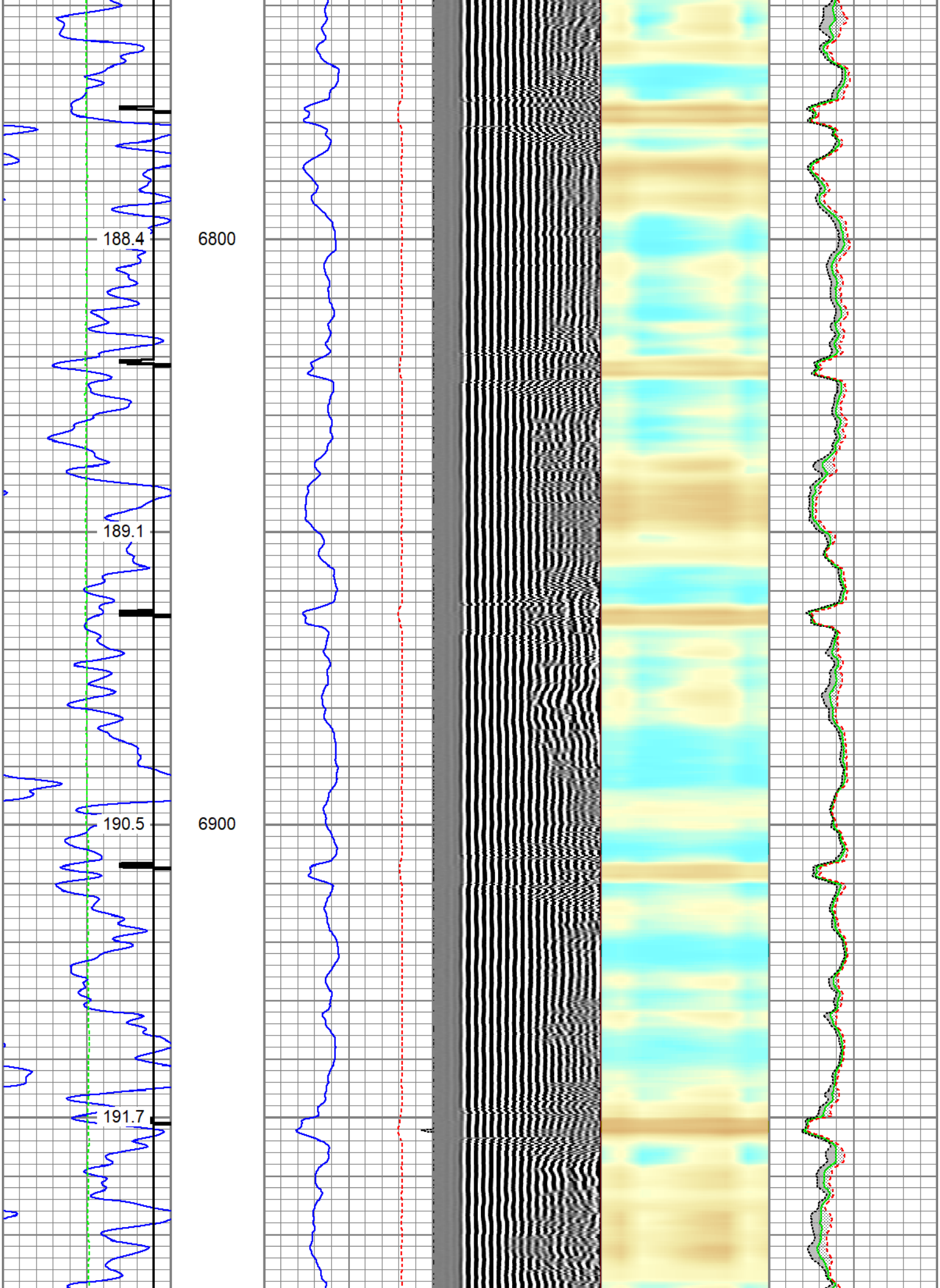
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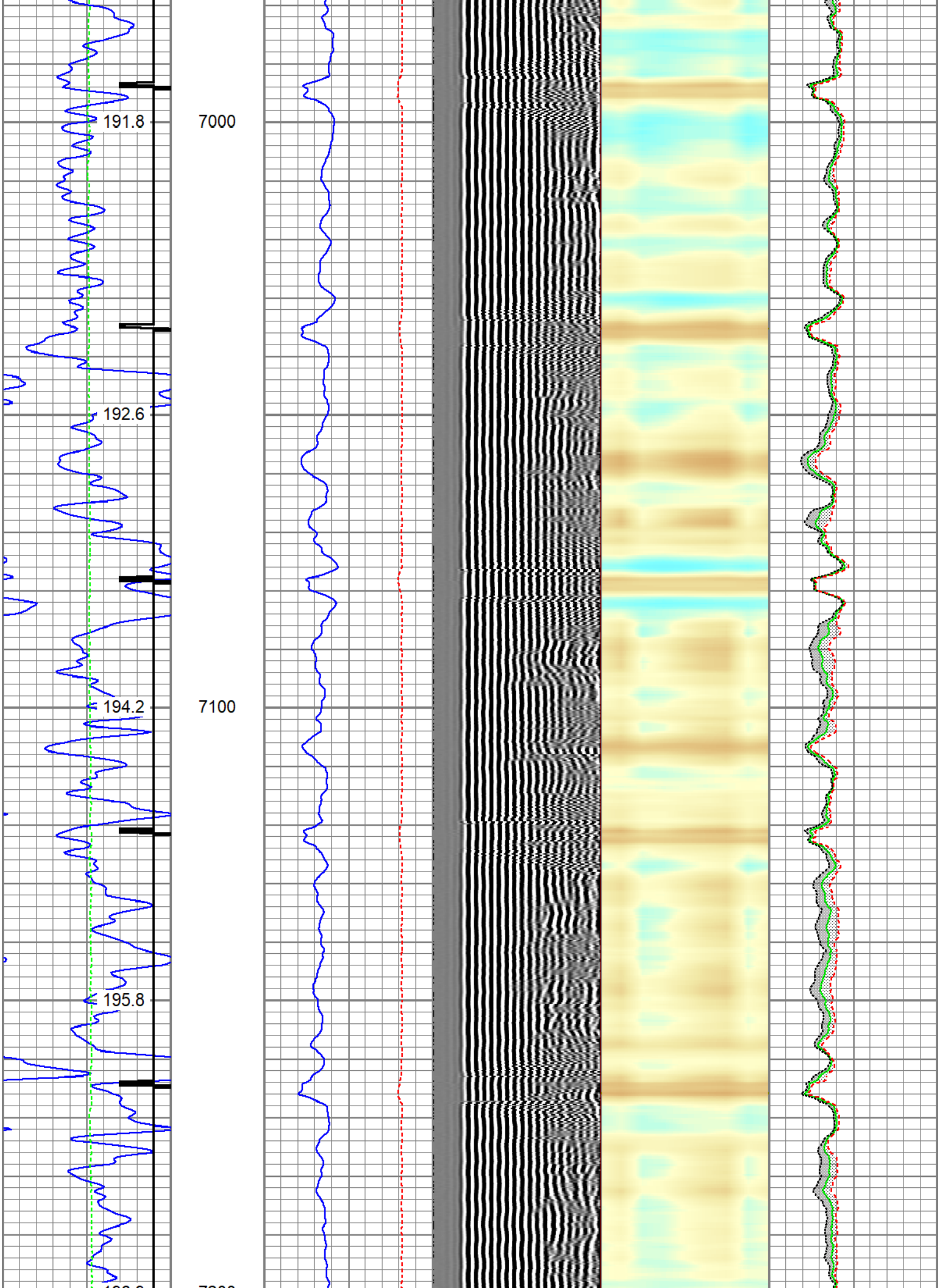
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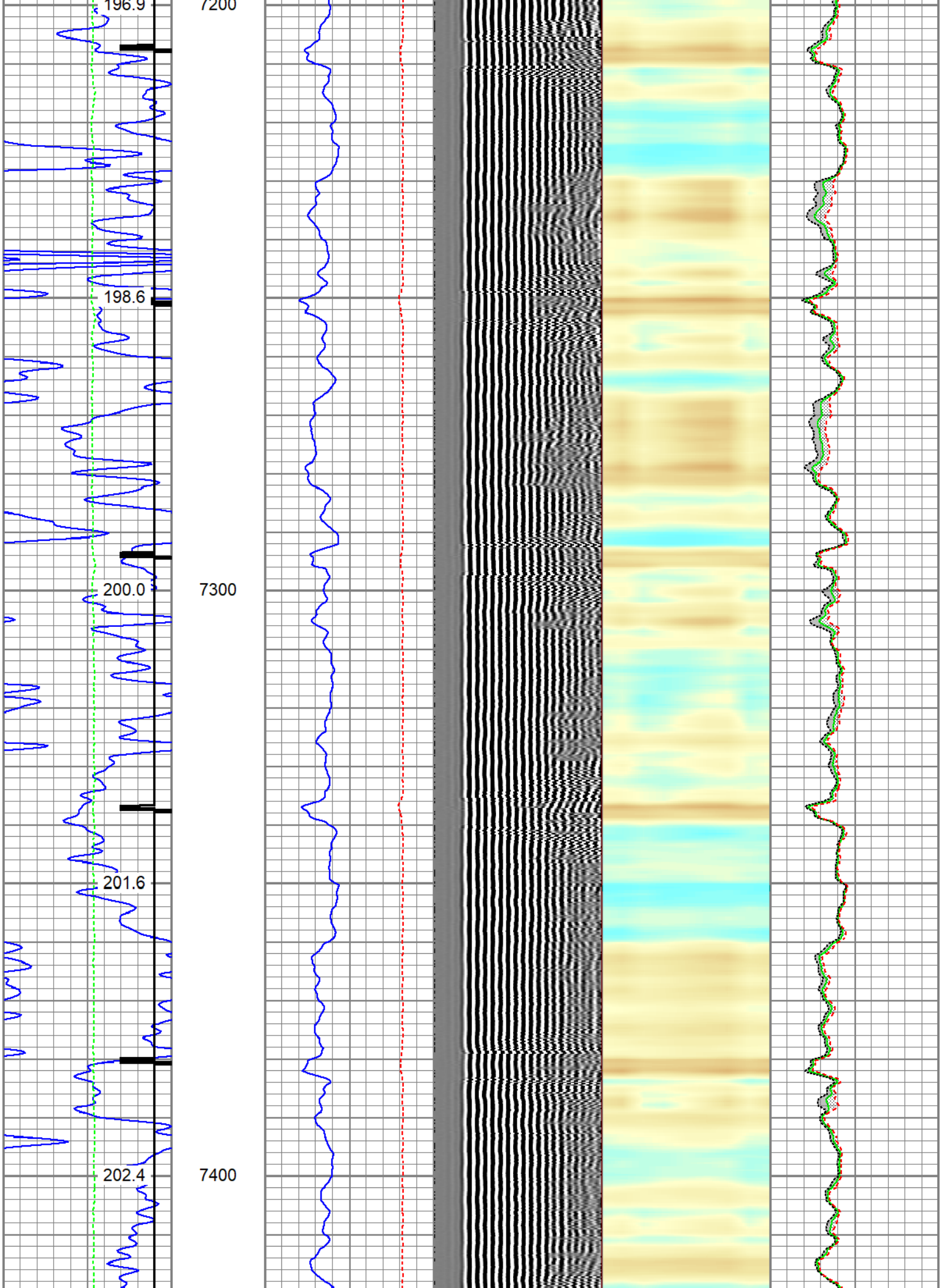
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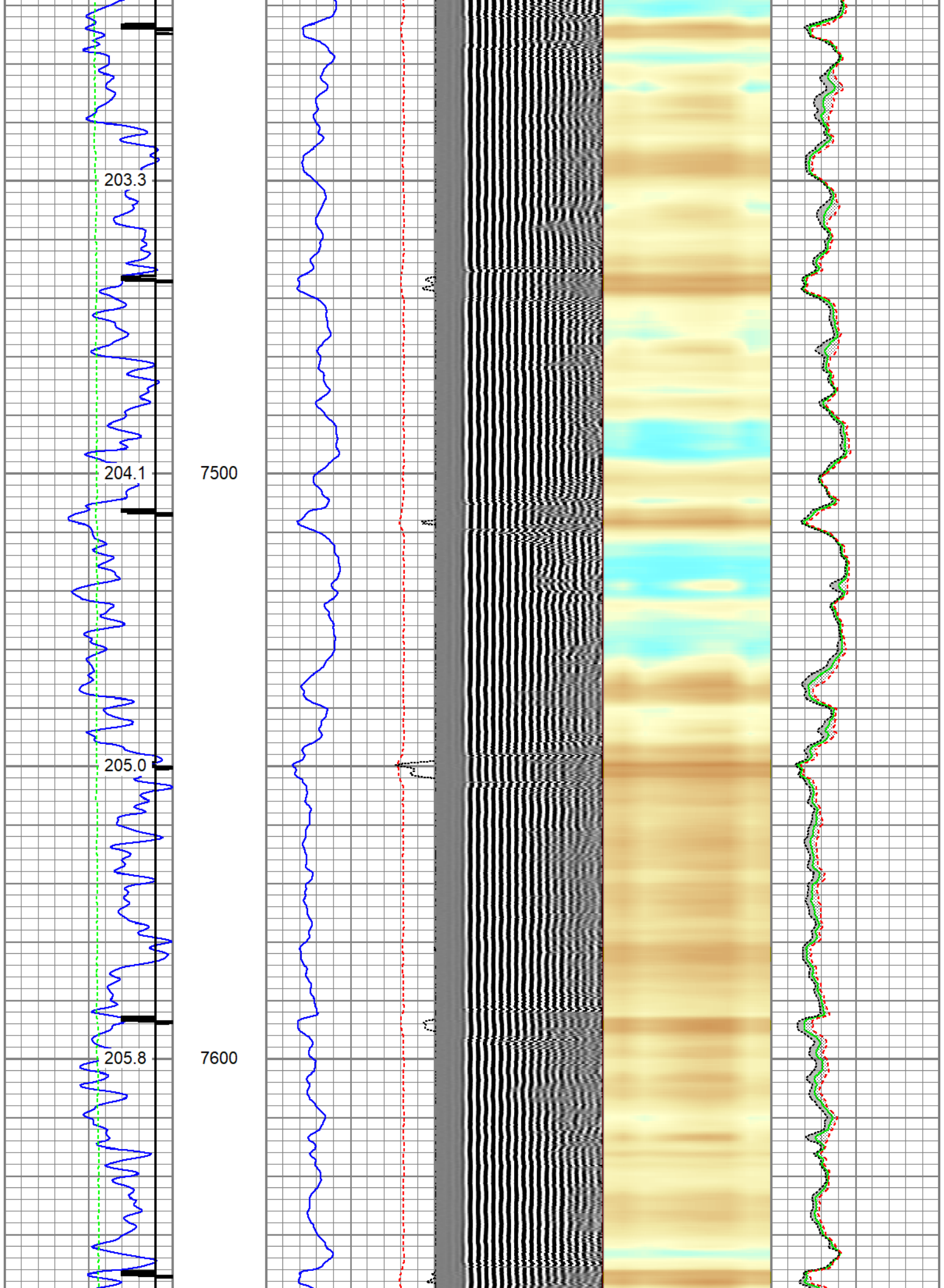
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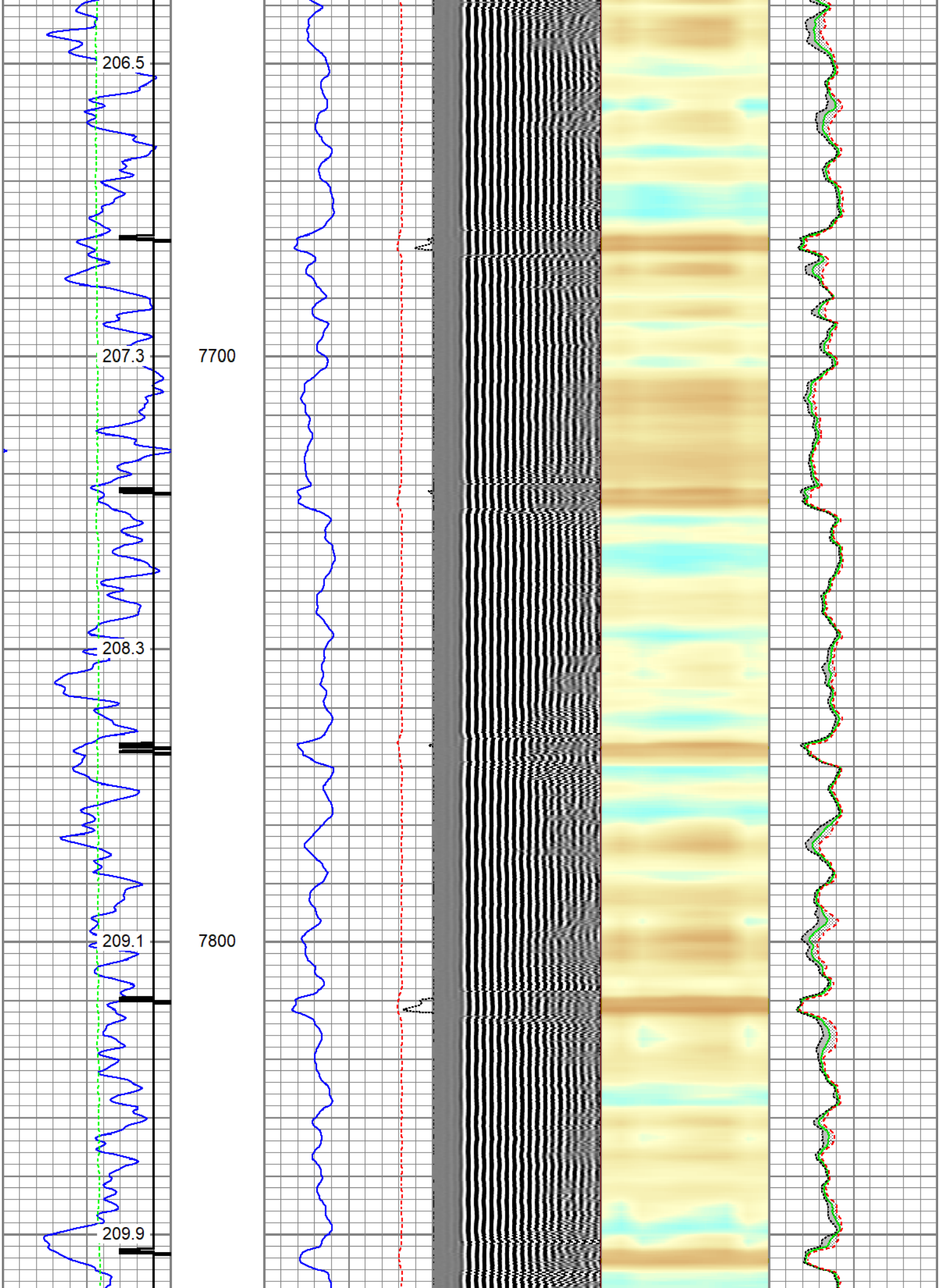
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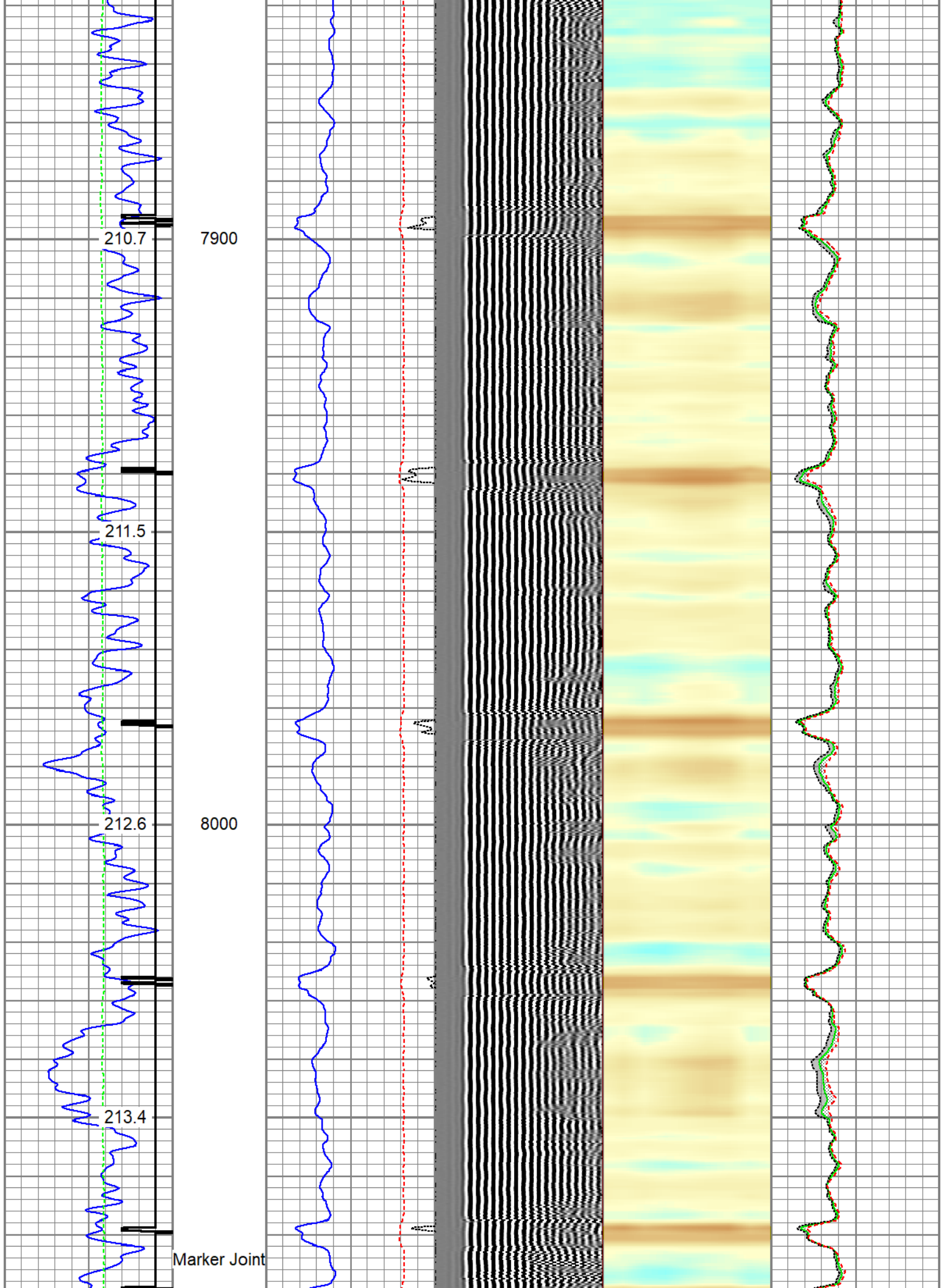
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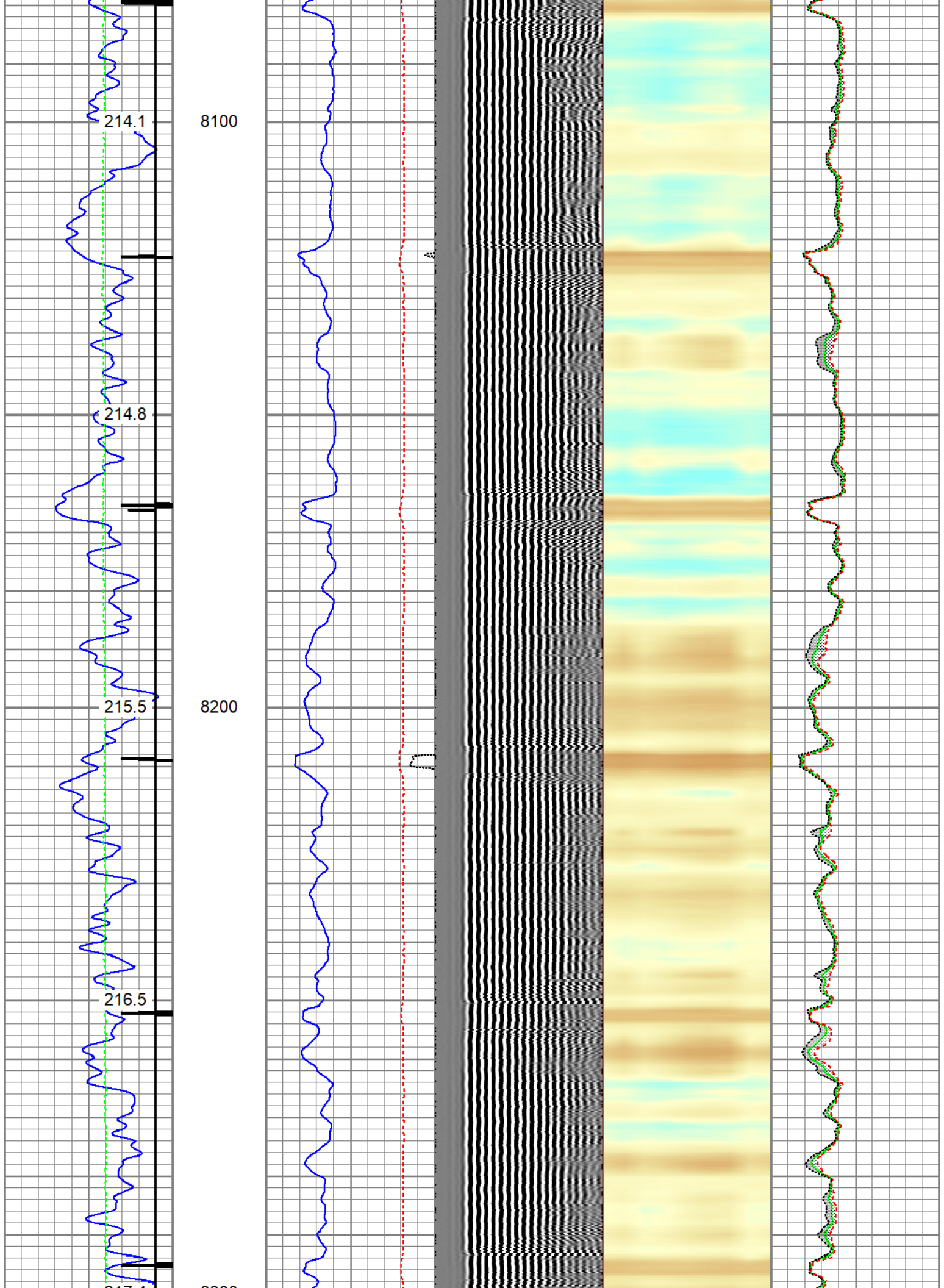
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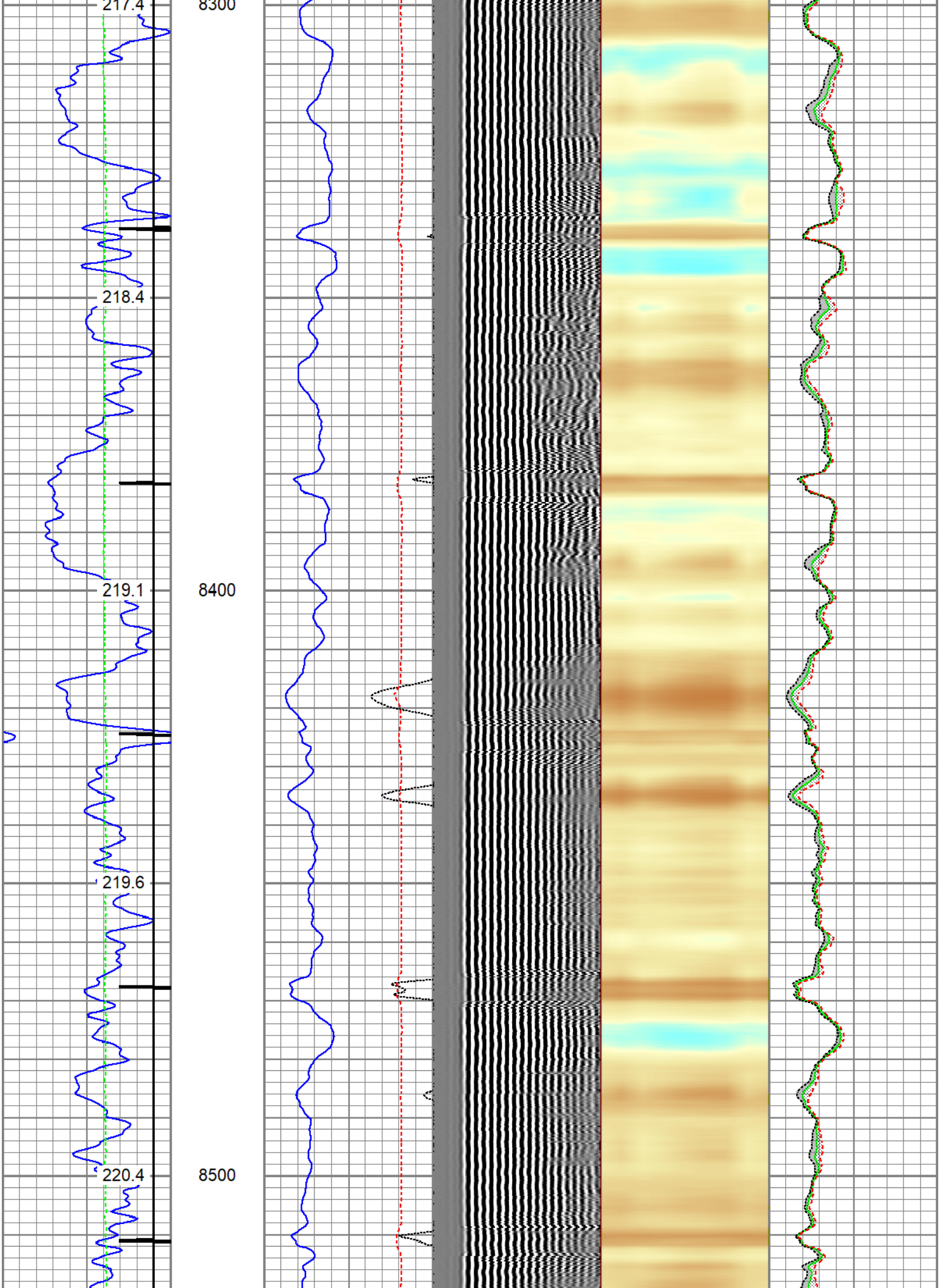
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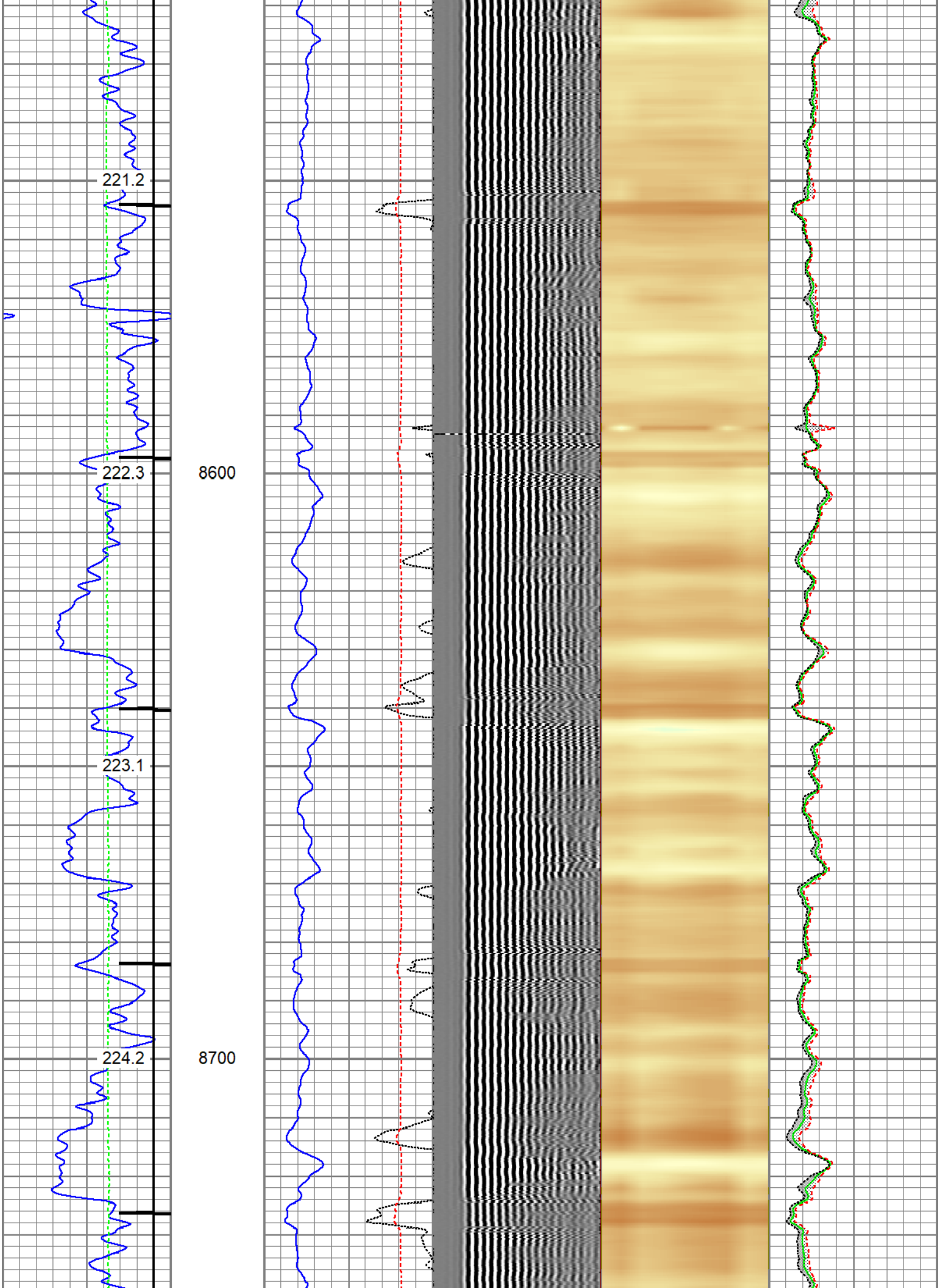
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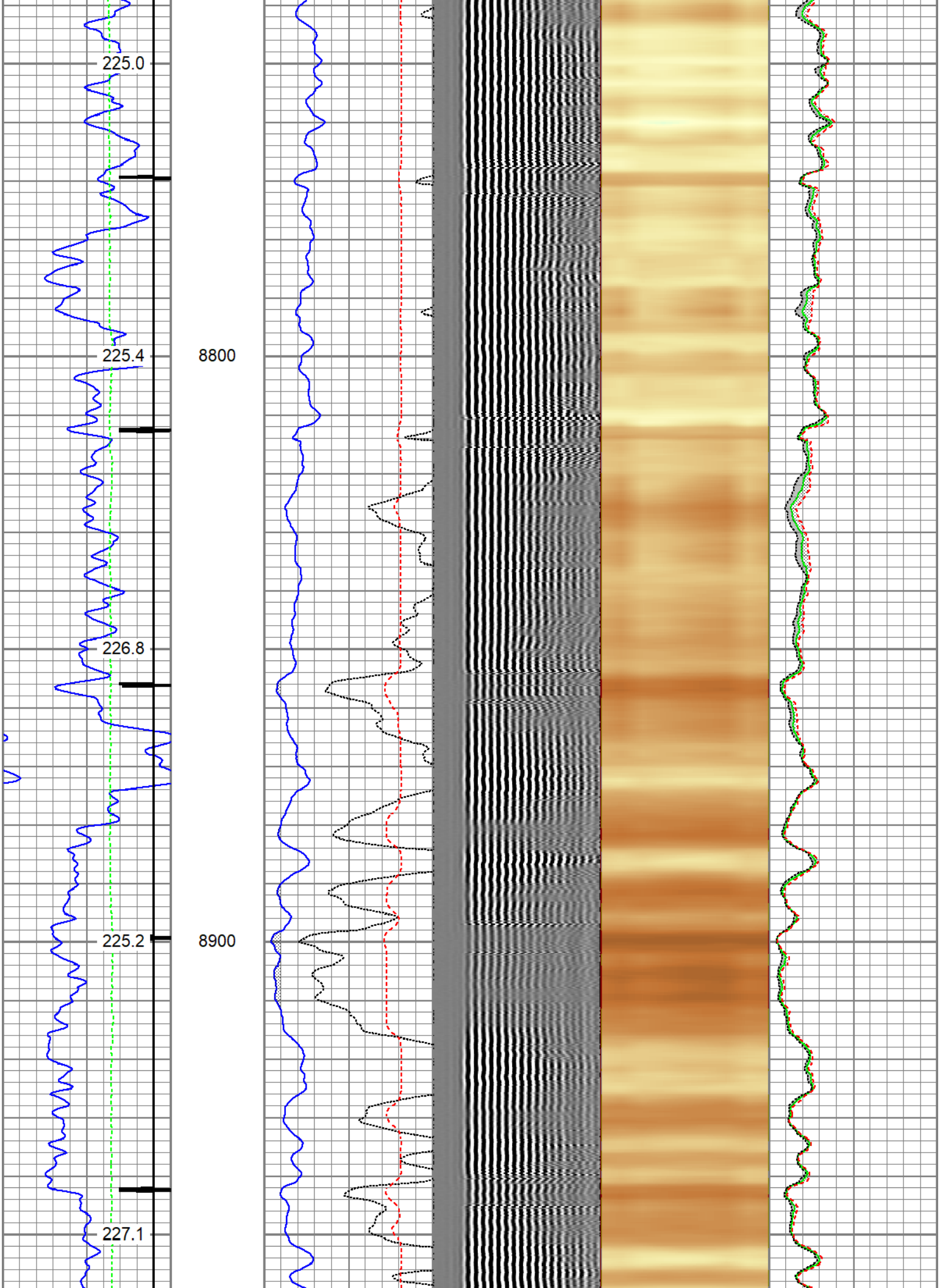
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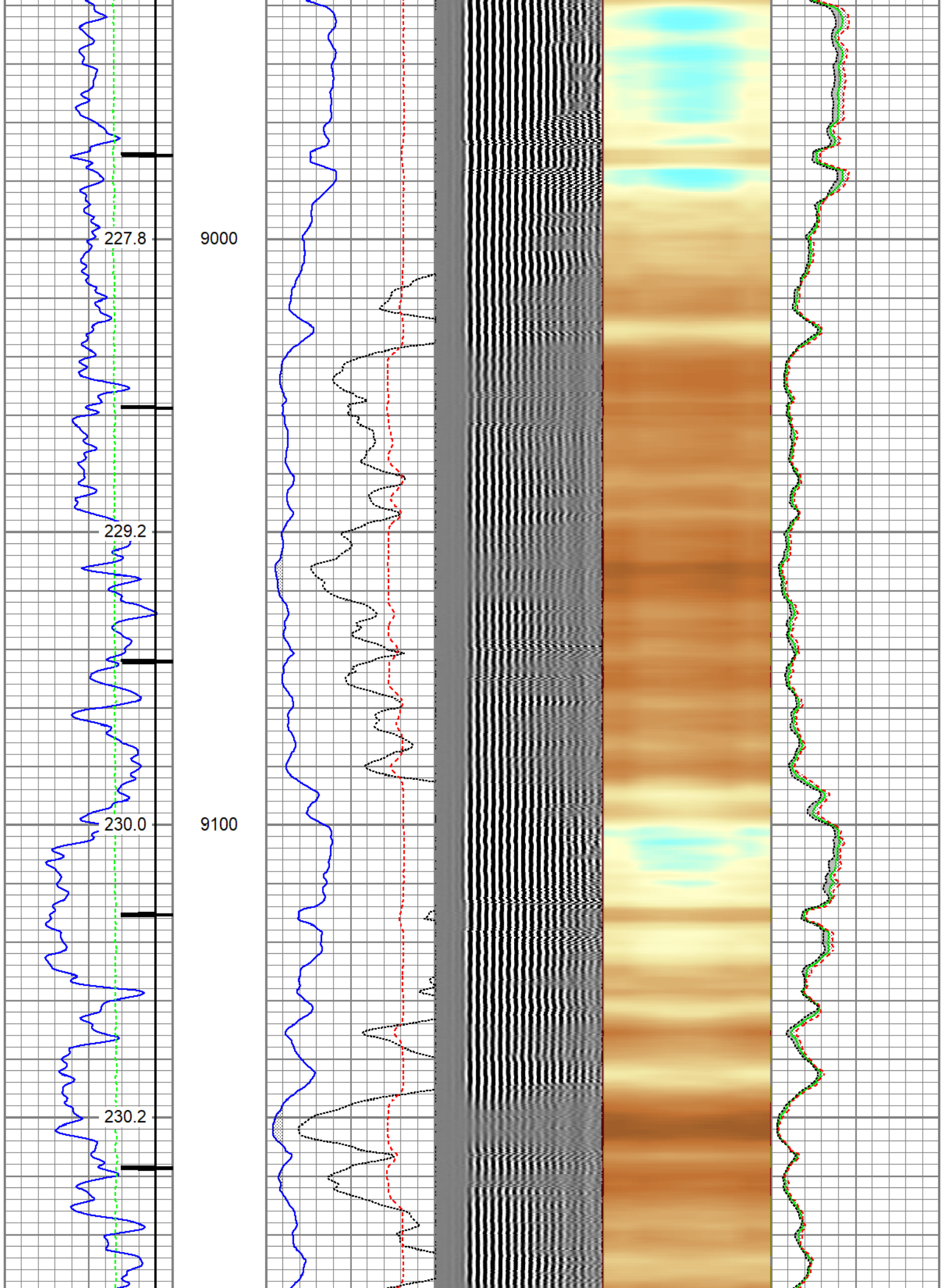
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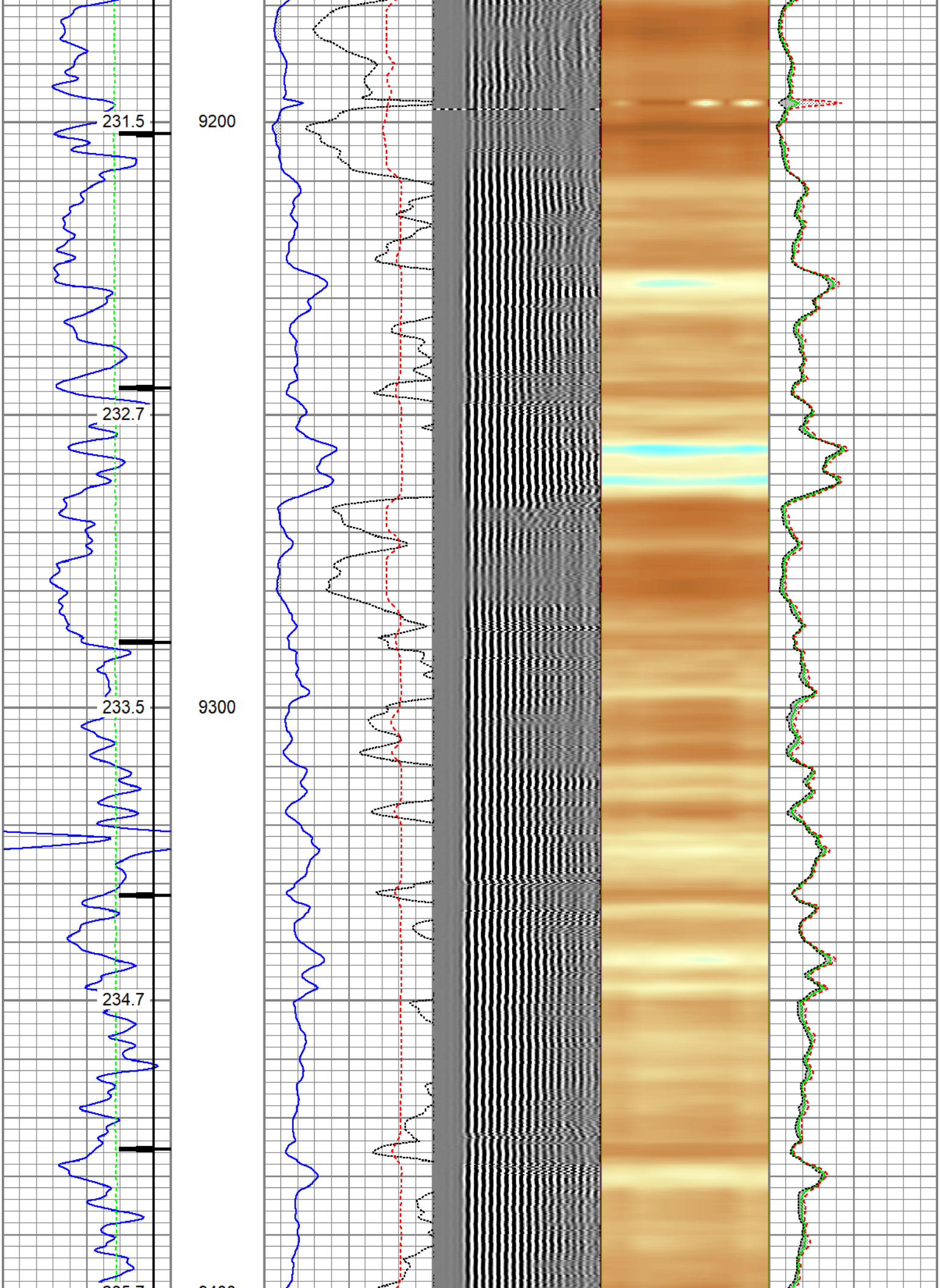
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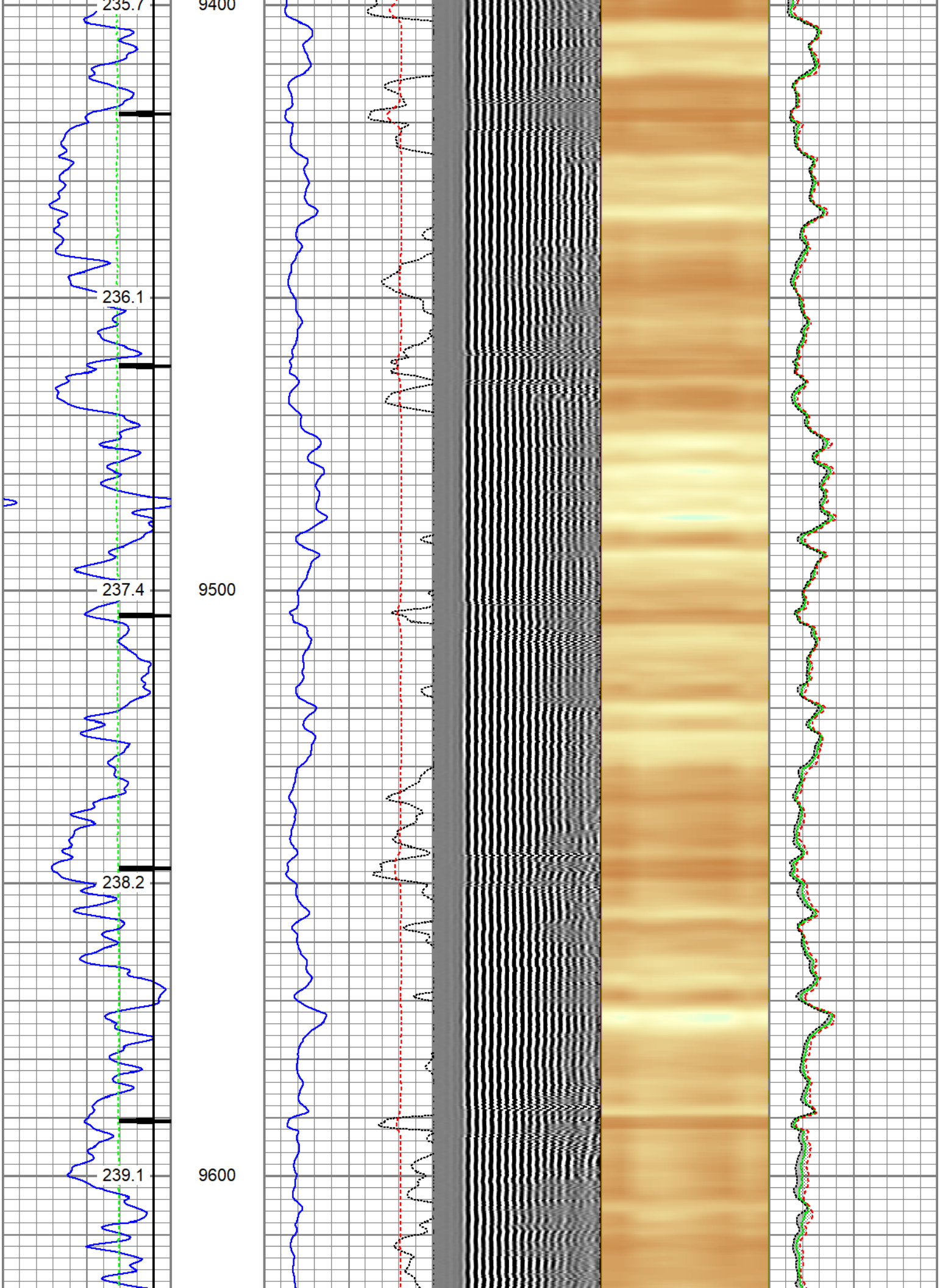
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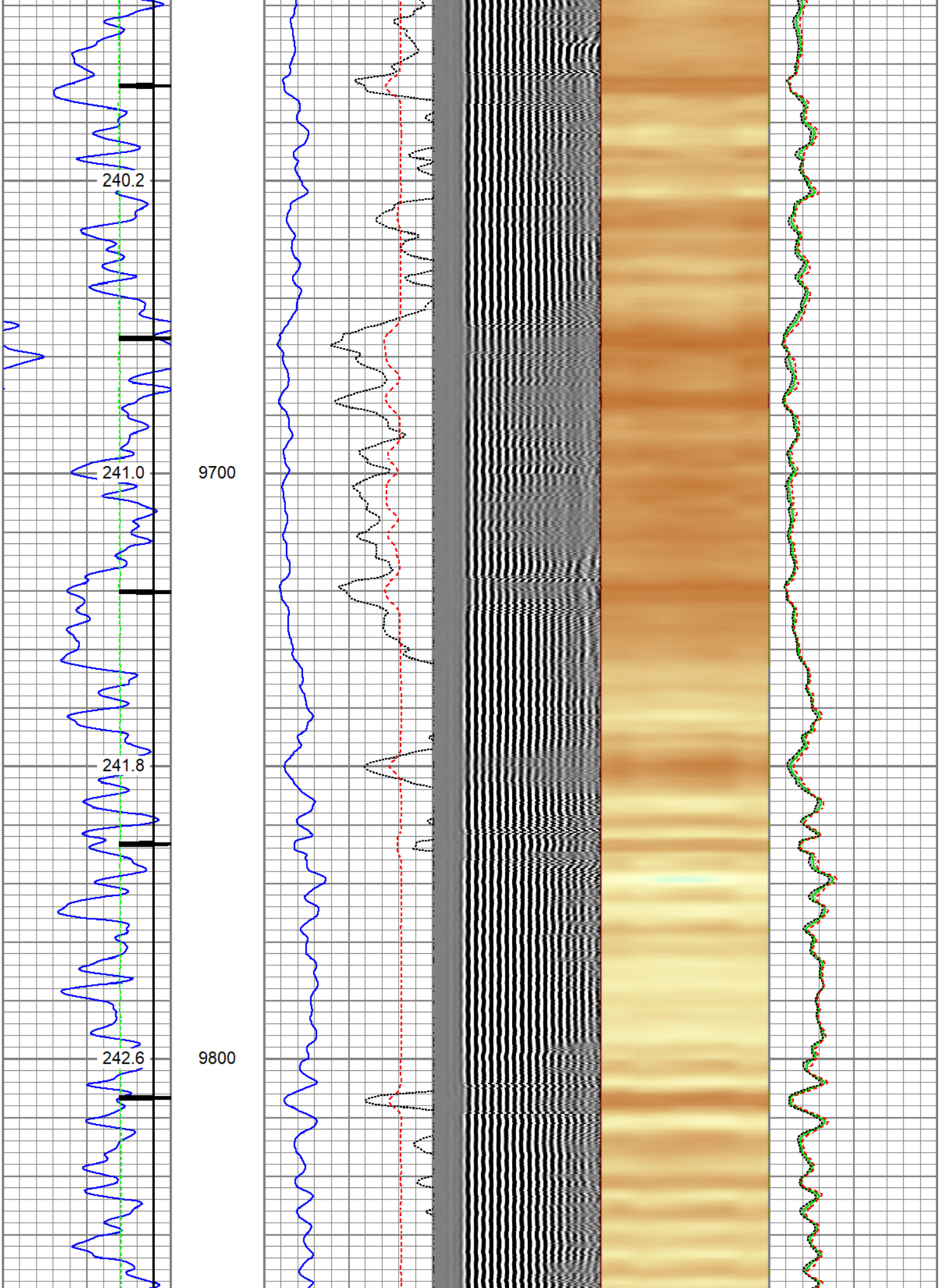
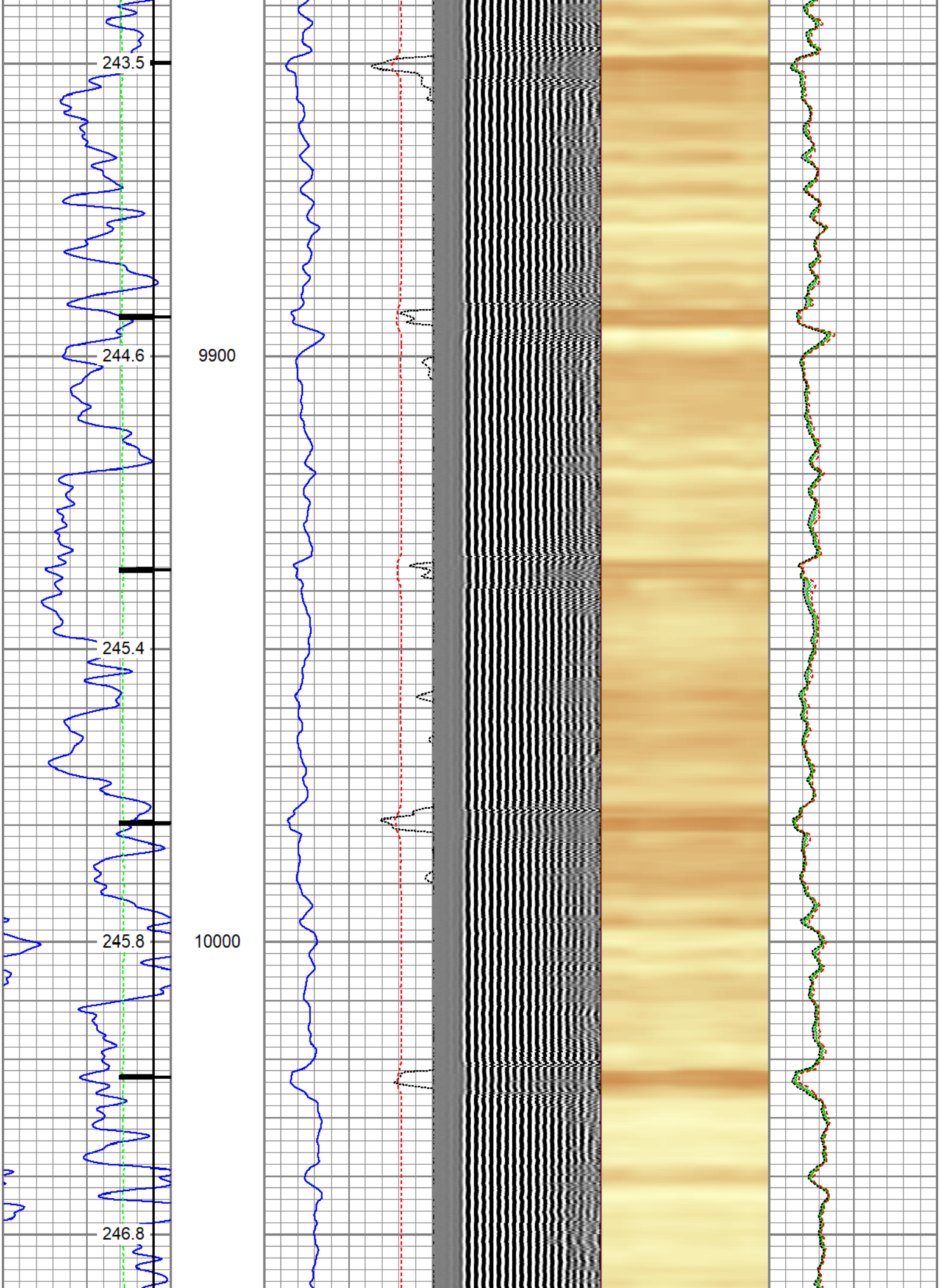
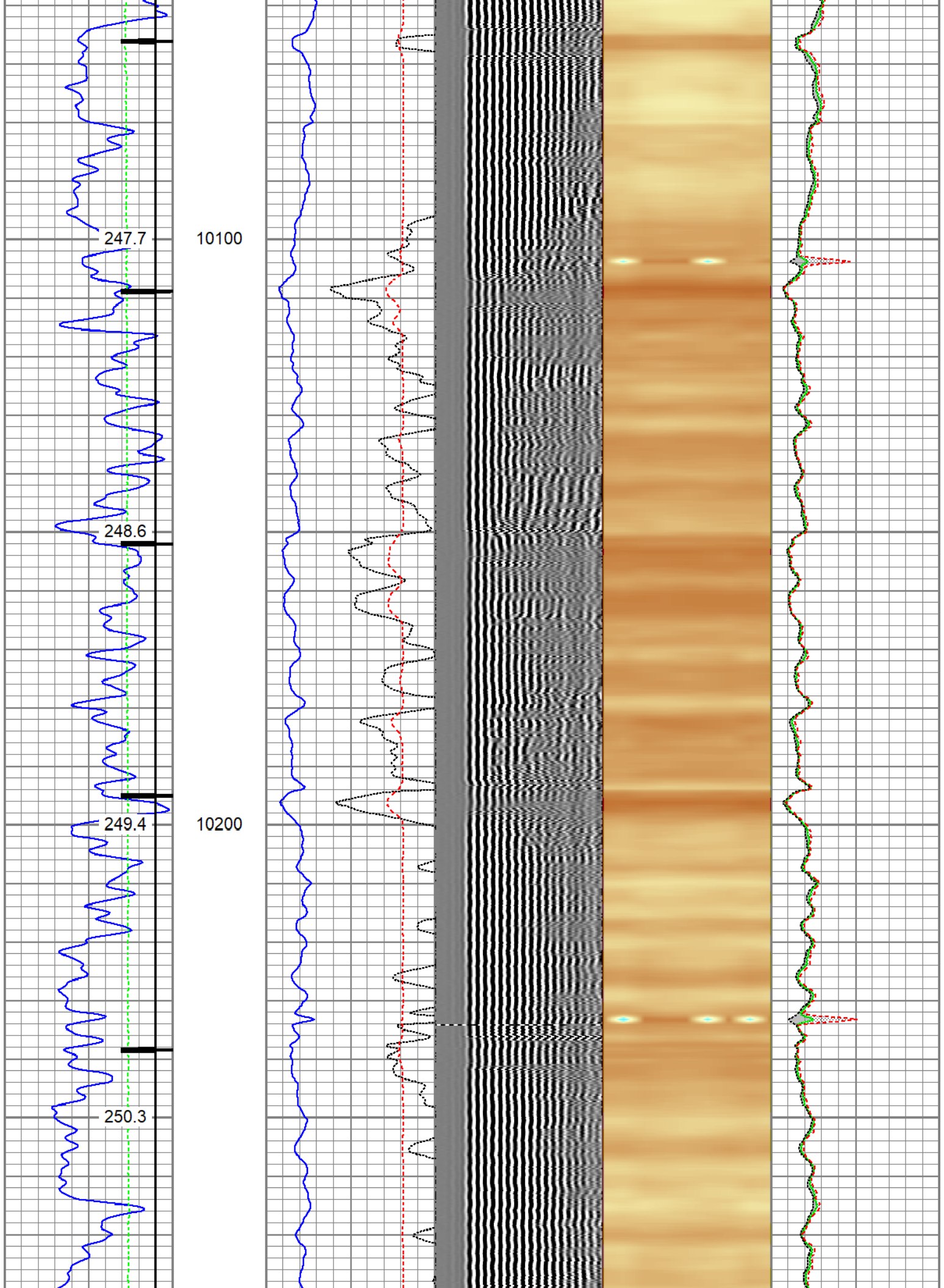
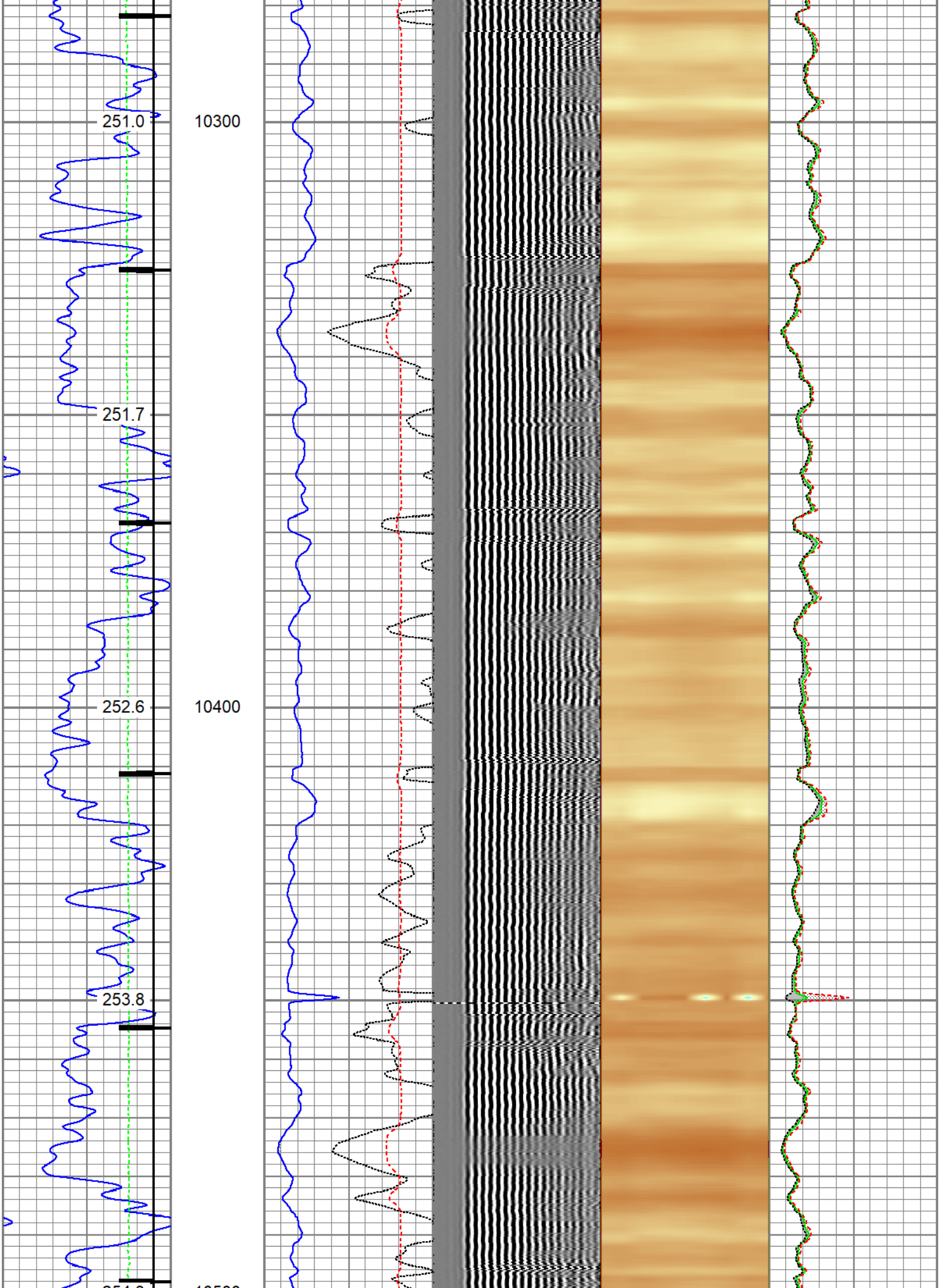
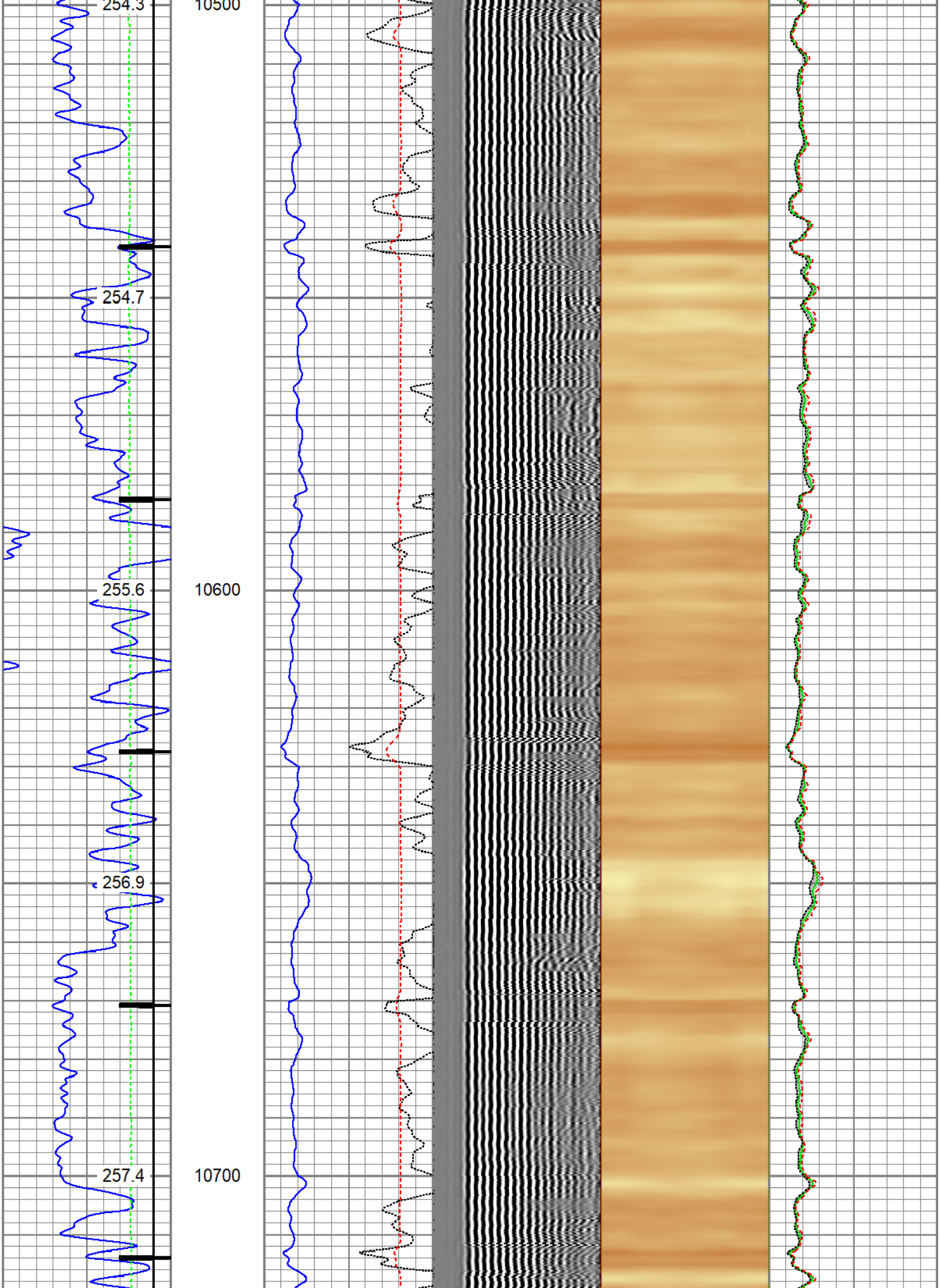
239.1
9600

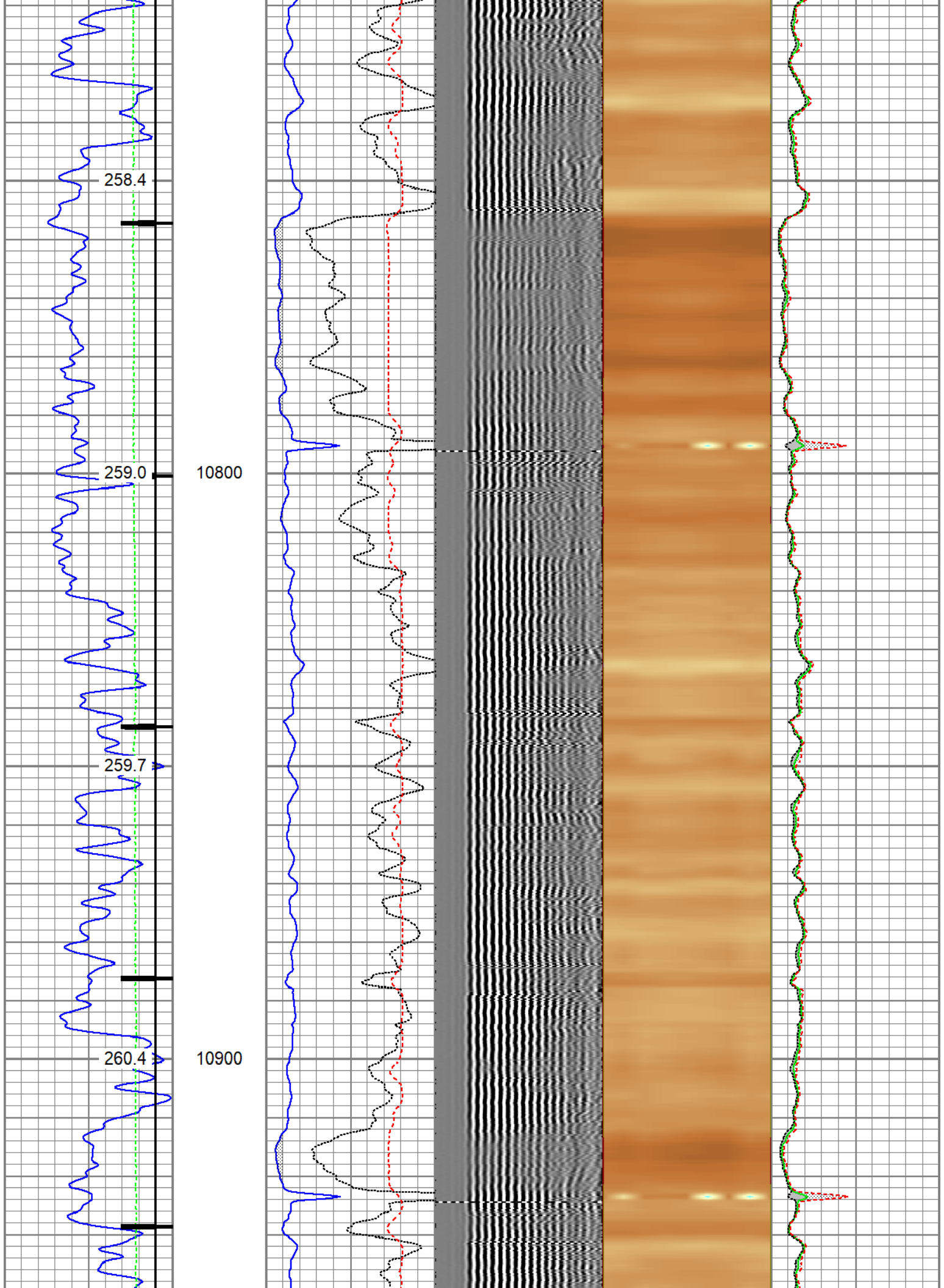

240.2
241.0
9700
241.8
242.6
9800

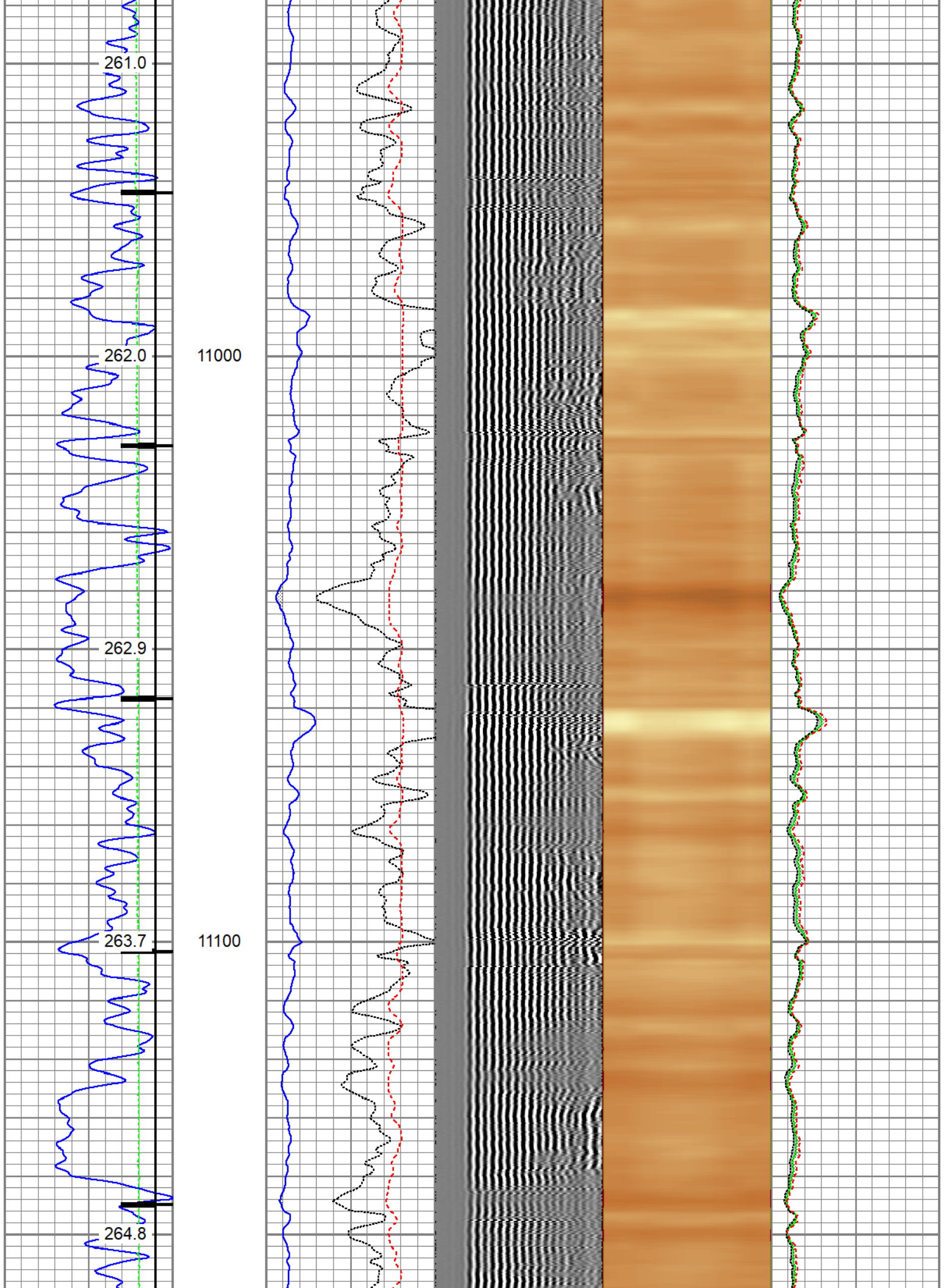

243.5
244.6
9900
245.4
245.8
10000
246.8

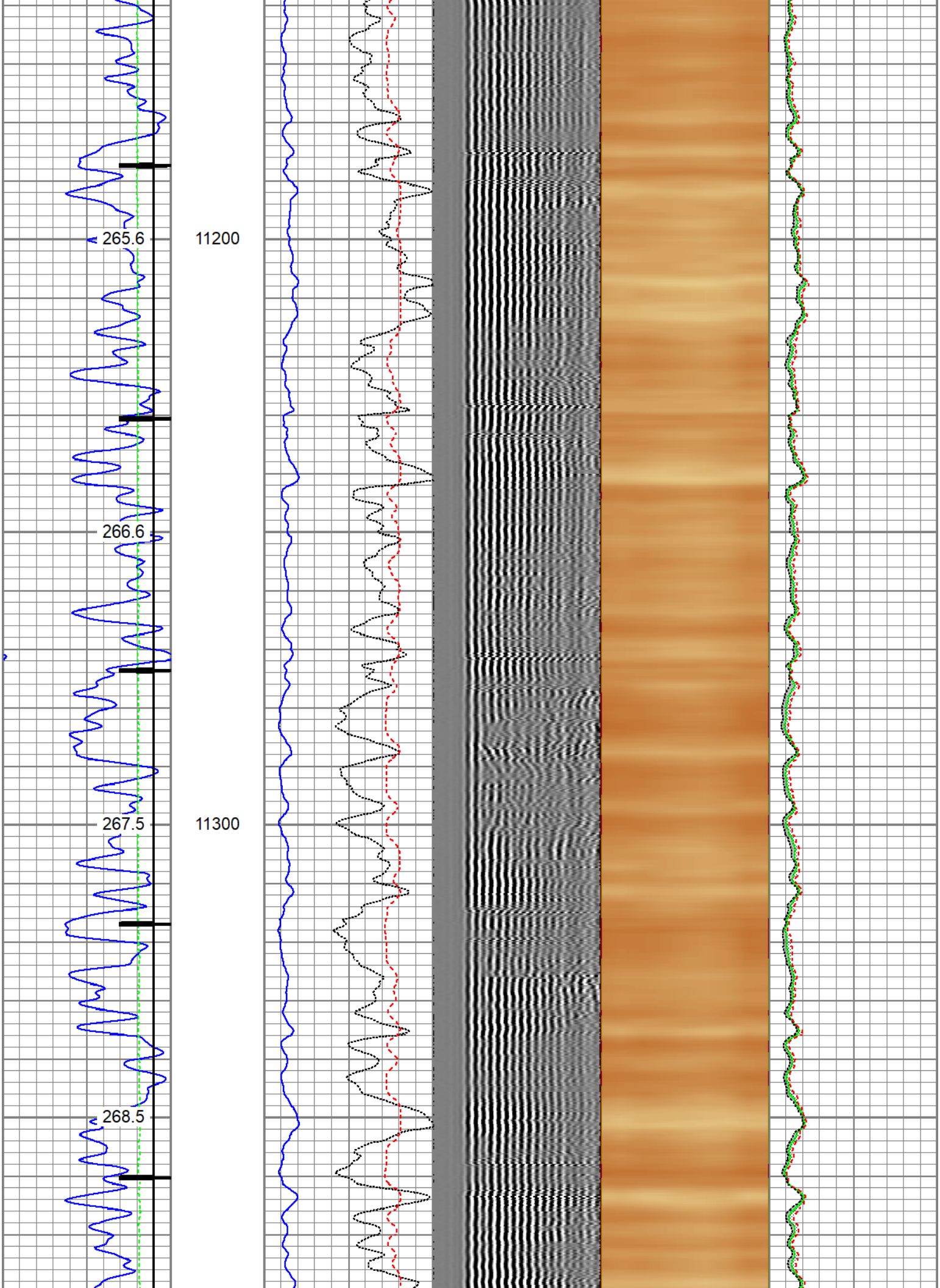

247.7
10100
248.6
249.4
10200
250.3

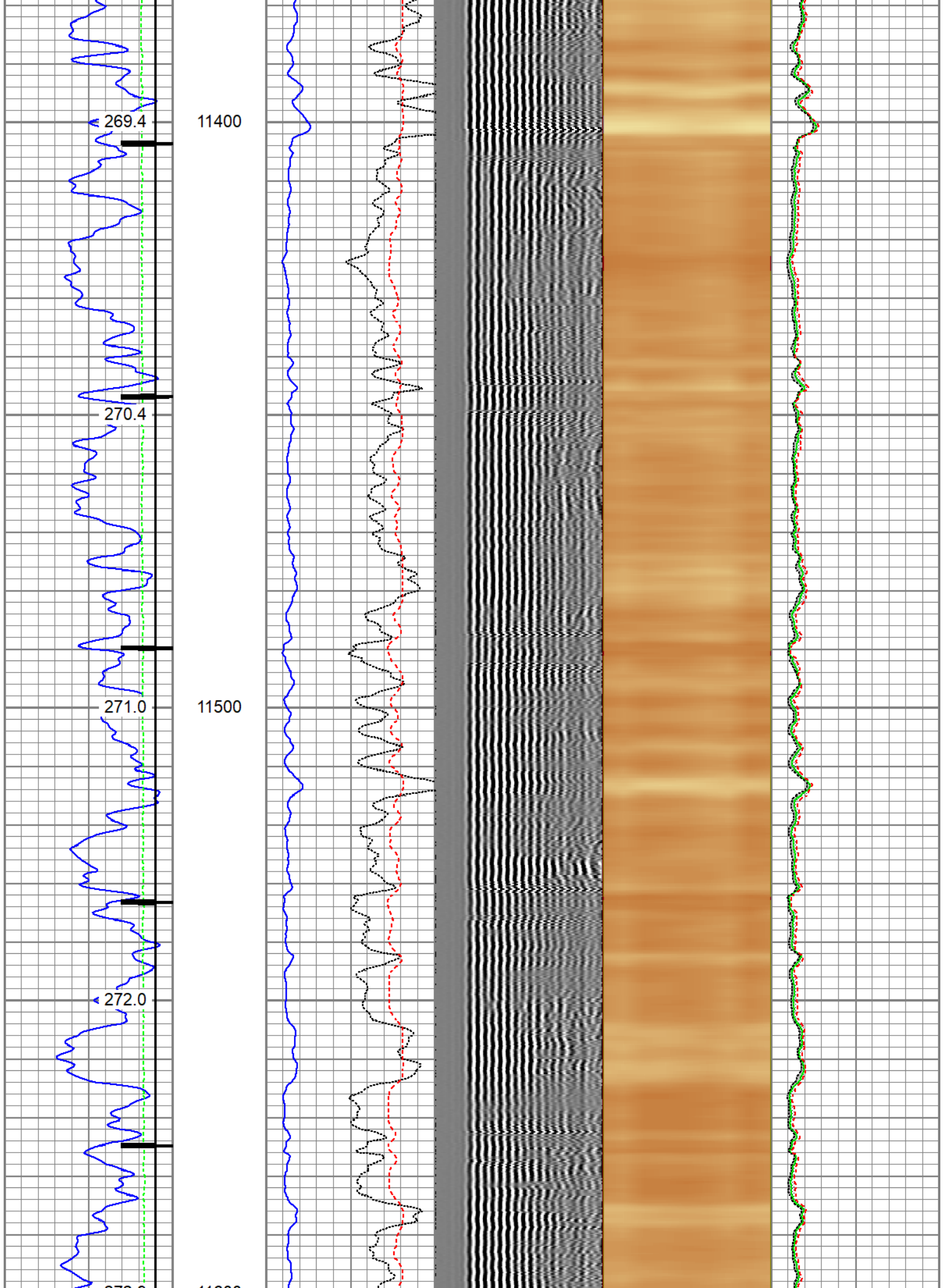

251.0
10300
251.7
252.6
10400
253.8

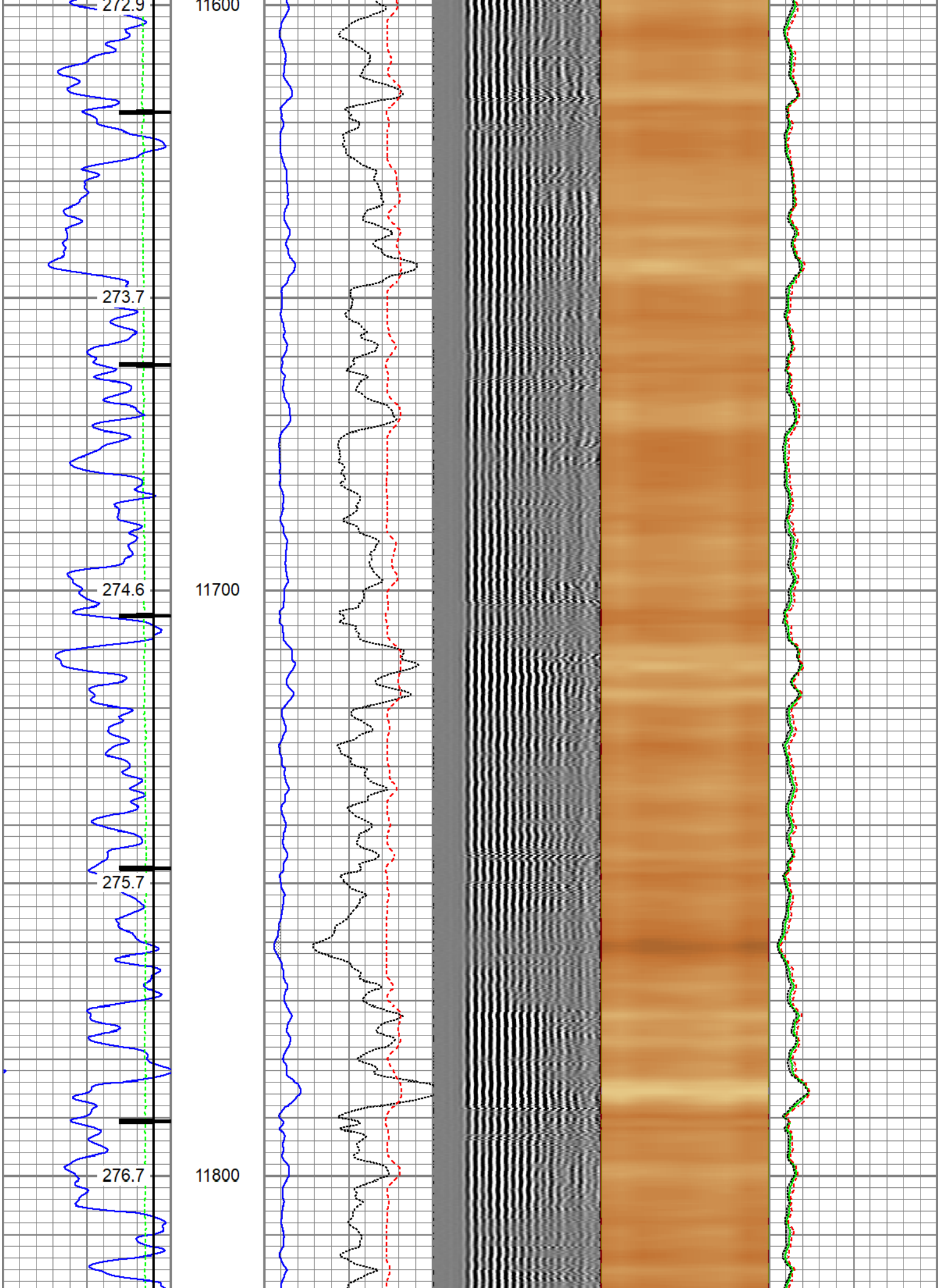

254.3
10500
254.7
255.6
10600
256.9
257.4
10700

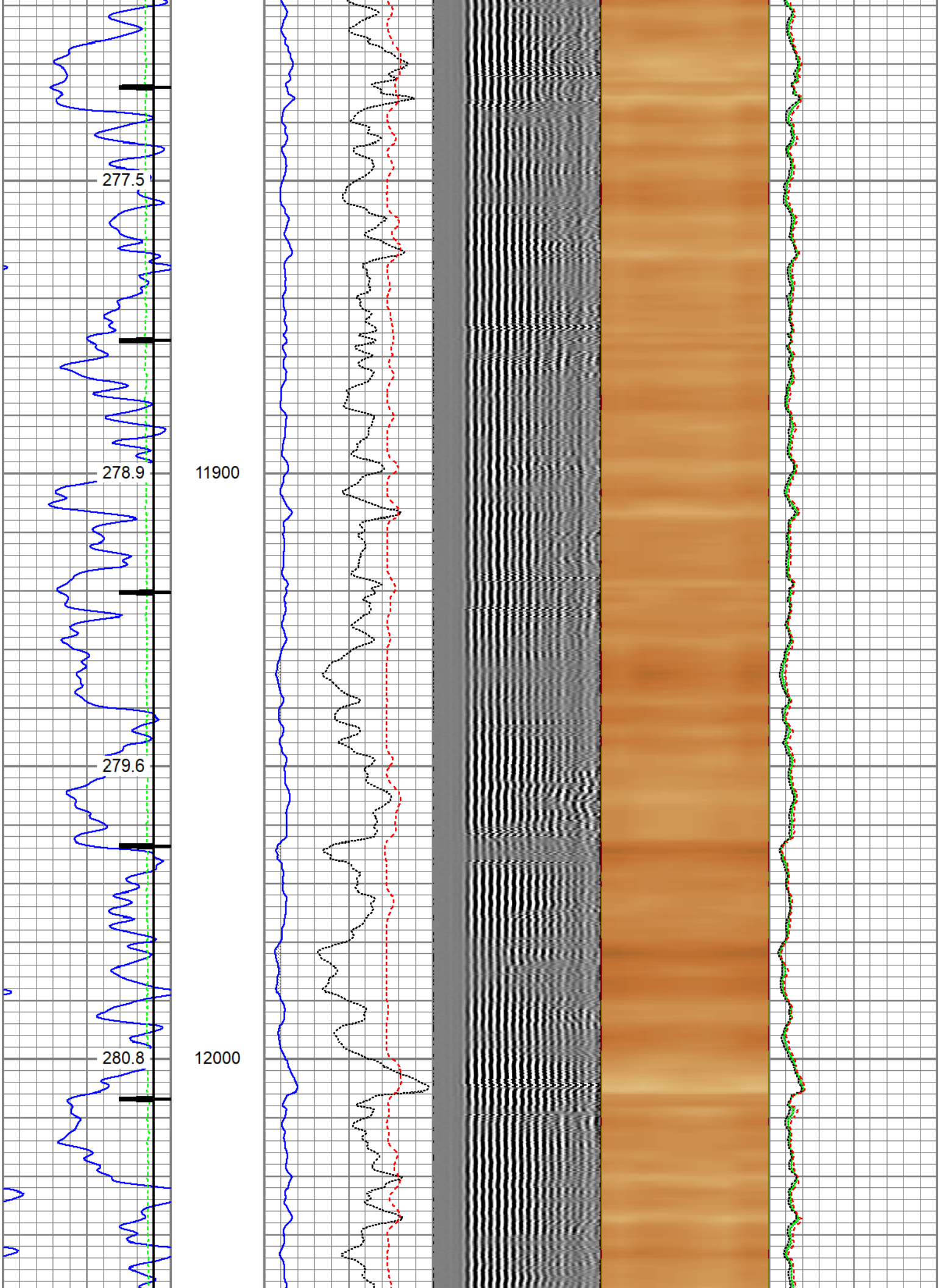

258.4
259.0
10800
259.7
260.4
10900


261.0
262.0
11000
262.9
263.7
11100
264.8


265.6
11200
266.6
267.5
11300
268.5


269.4
11400
270.4
271.0
11500
272.0


272.9
11600
273.7
274.6
11700
275.7
276.7
11800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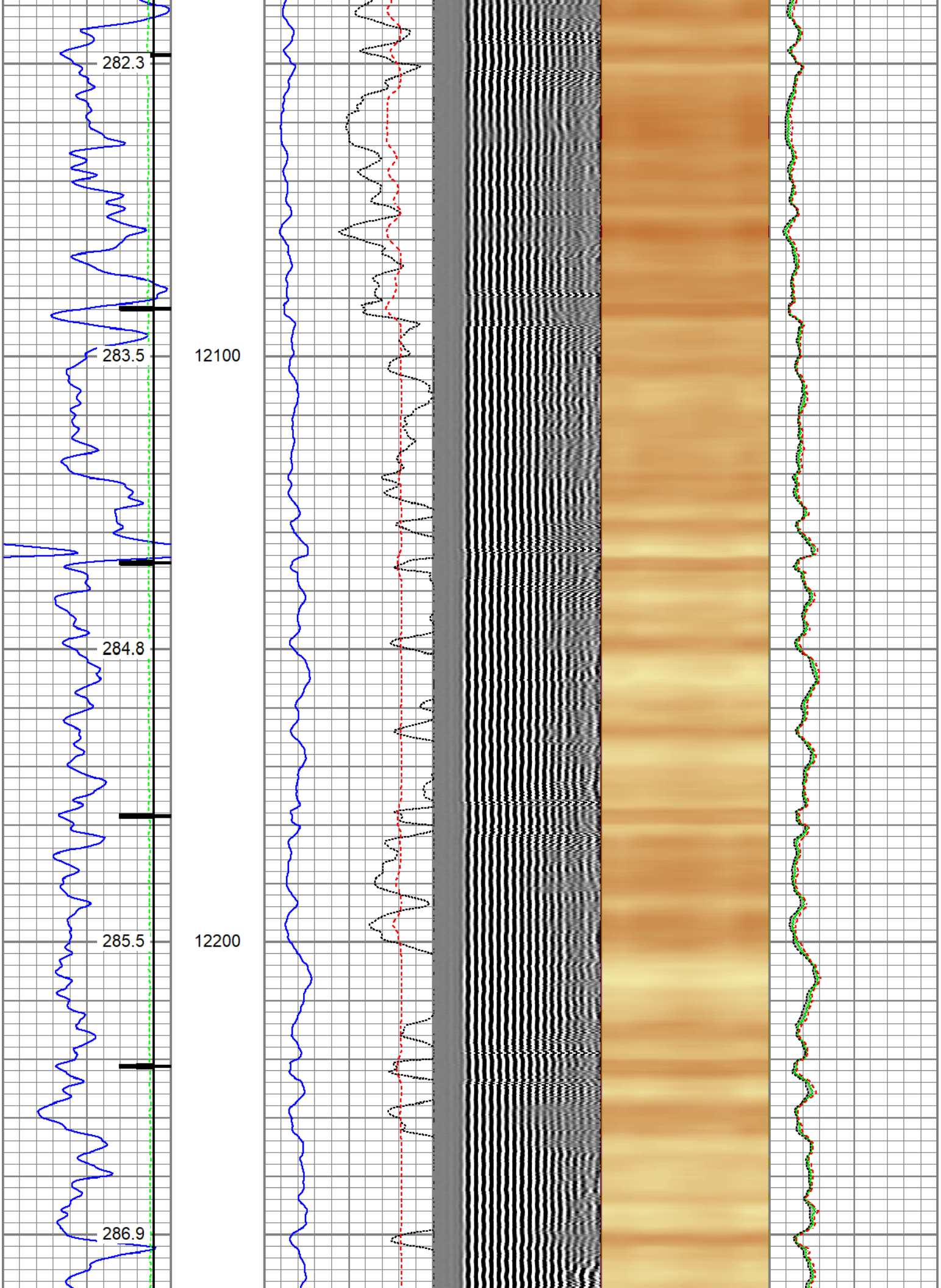
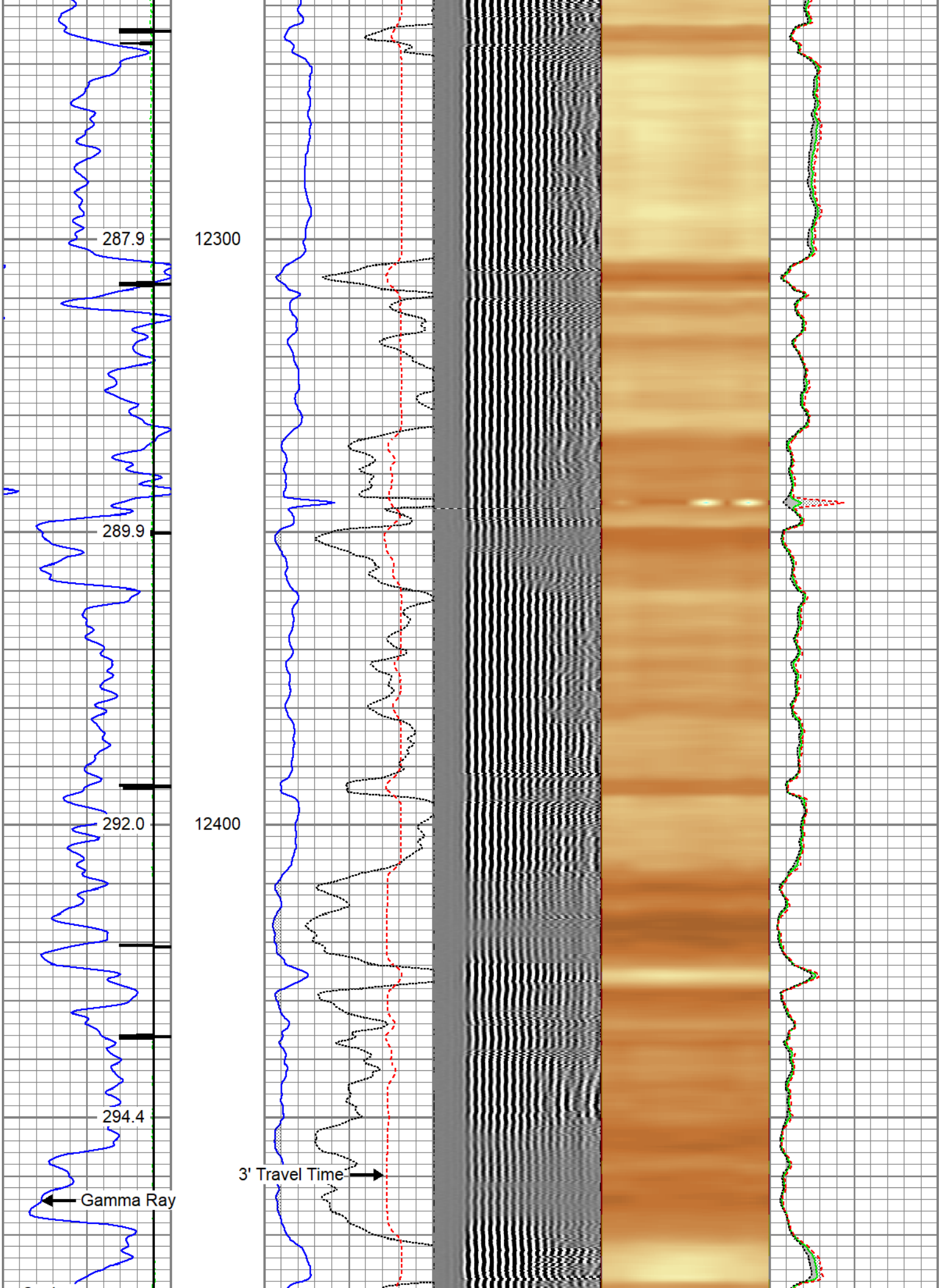
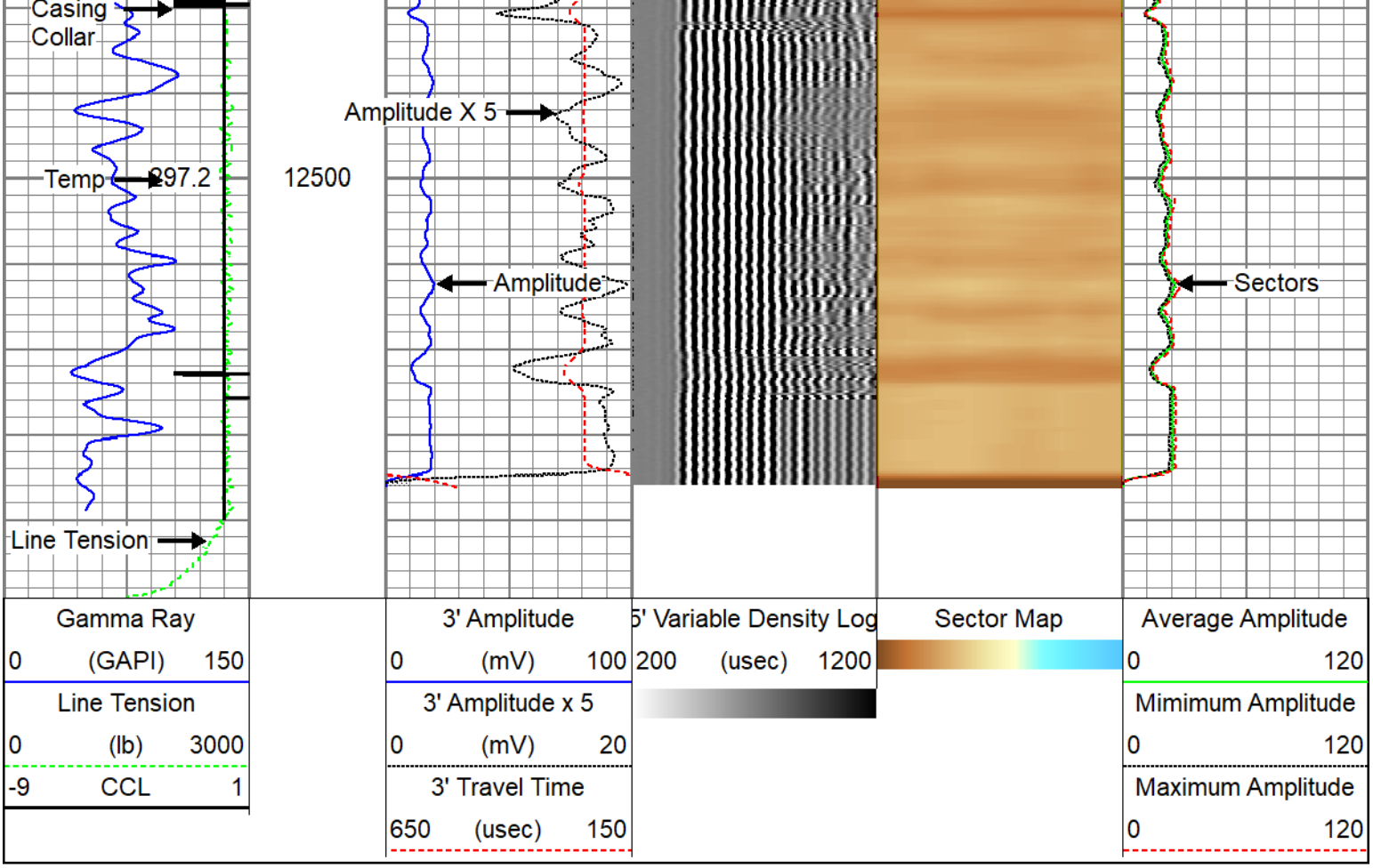
278.9
11900
279.6
280.8
12000


282.3
283.5
12100
284.8
285.5
12200
286.9


287.9
12300
289.9
292.0
12400
294.4
3' Travel Time
Gamma Ray



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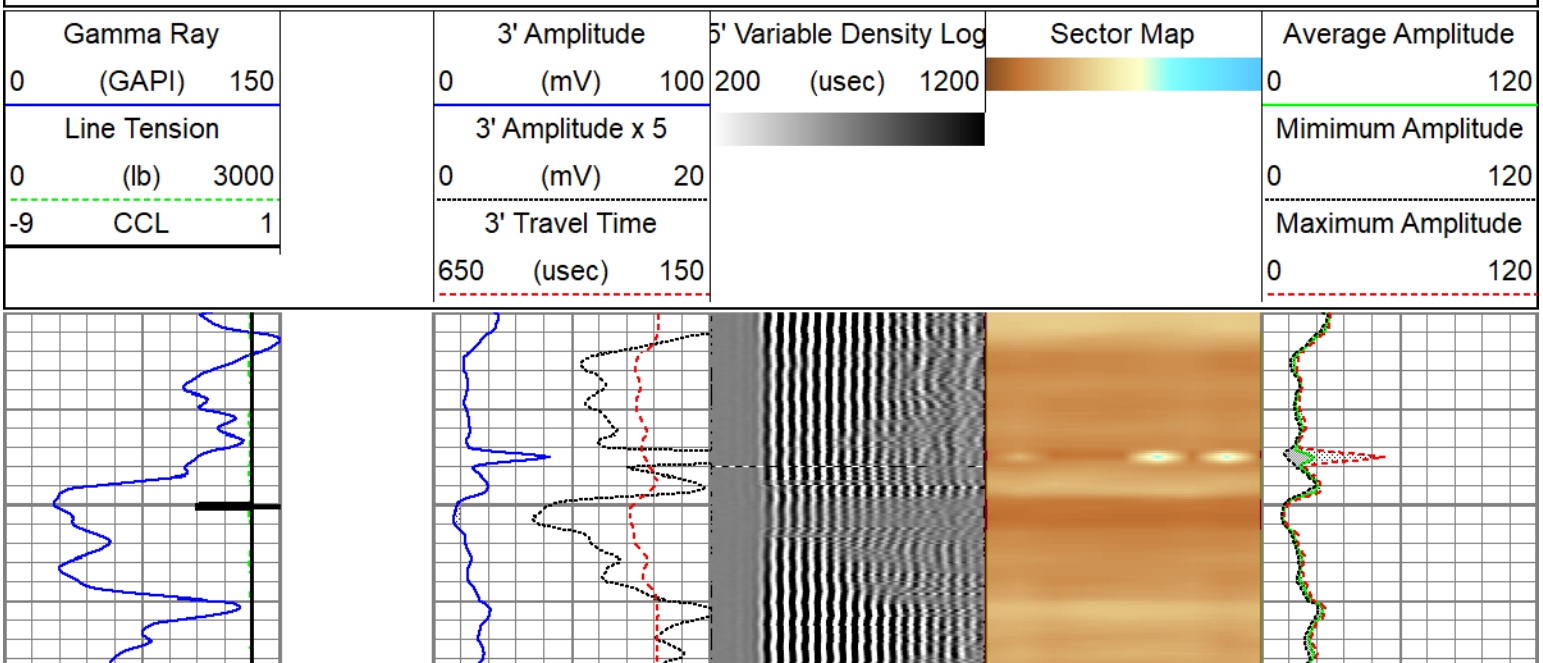
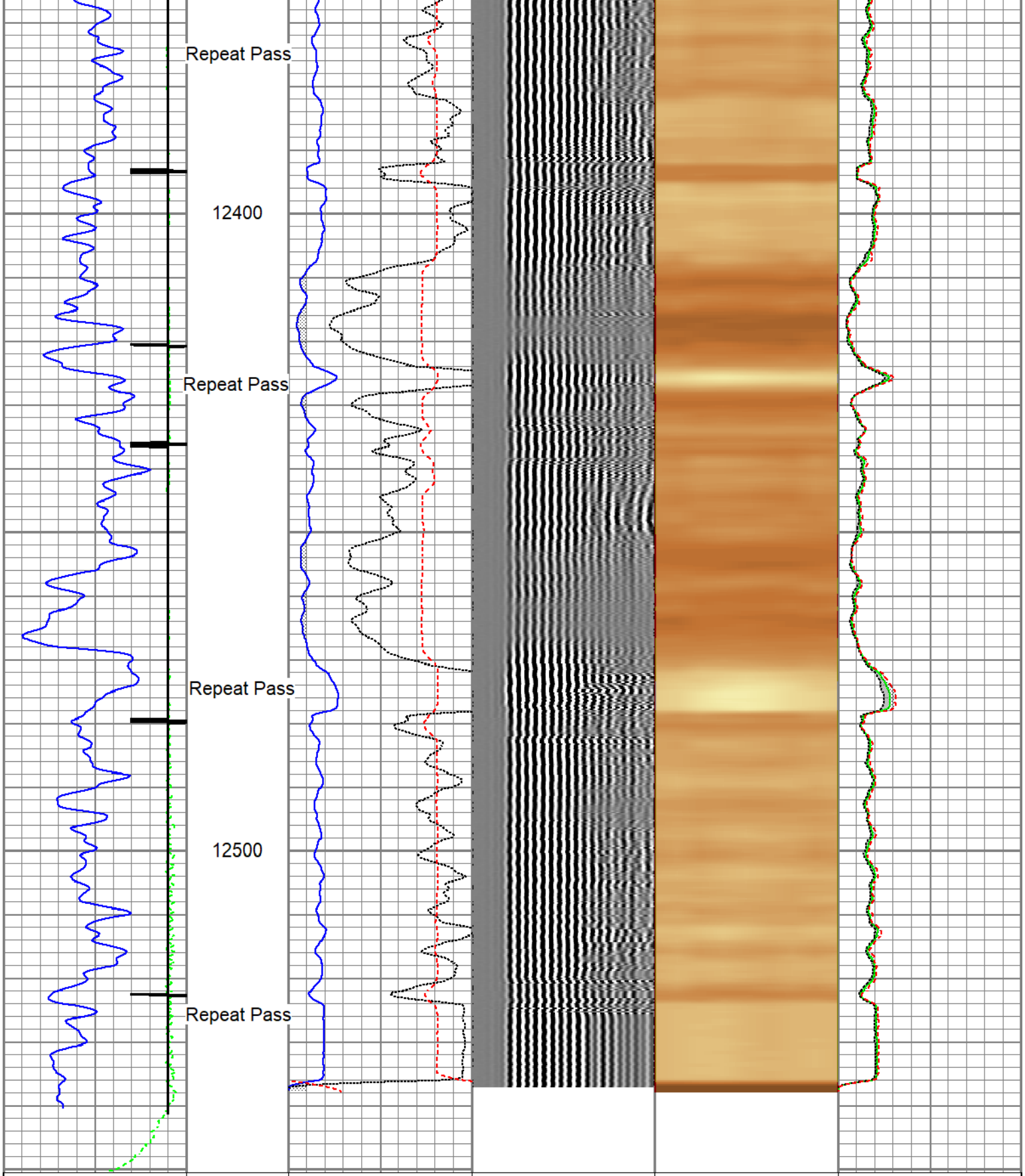
Repeat Pass 5" = 100'

Database File	caerus\bju b26 fed 21c-27-496\caerus_bju b26 fed 21c-27-496_rcbl_cnl_10-10-2022.db
Dataset Pathname	repeat
Presentation Format	twgrcbl
Dataset Creation	Wed Oct 12 06:32:17 2022
Charted by	Depth in Feet scaled 1:240




Repeat Pass
12400
Repeat Pass
Repeat Pass
12500
Repeat Pass
Gamma Ray
0 (GAPI) 150
Line Tension
0 (lb) 3000
-9 CCL 1
3' Amplitude
0 (mV) 100
3' Amplitude x 5
0 (mV) 20
3' Travel Time
650 (usec) 150
5' Variable Density Log
200 (usec) 1200
Sector Map
Average Amplitude
0 120
Mimimum Amplitude
0 120
Maximum Amplitude
0 120

Calibration Report

Database File C:\ProgramData\Warrior\Data\Caerus\BJU B26 FED 21C-27-496\caerus_bju b26 fed 21c-27-496_rcb
Dataset Pathname main
Dataset Creation Wed Oct 12 06:38:43 2022

Compensated Neutron Calibration Report

Model: CNT - 275Dig
Serial Number: FW1409-35

SHOP CALIBRATION

Thu Mar 31 15:47:13 2022

	Cal Tube	Units
Tank Ratio	11.6940	SS/LS
LS Detector	68.71	cps
SS Detector	748.49	cps
Tool Ratio	10.8929	SS/LS
Tool Gain	1.0735	----

PRE-SURVEY VERIFICATION

	SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

POST-SURVEY VERIFICATION

	SS Detector	LS Detector	Measured (p.u.)	Target (p.u.)

Gamma Ray Calibration Report

Type / Serial: Probe275dig / FW1403-104

SHOP CALIBRATION

Thu Mar 31 15:29:33 2022

	Counts/Sec.	Gain	Offset	Jig	Units
Background	64.8				cps
Calibrator	250.4				cps
		0.8888			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number: FW1312-30
Tool Model: Probe275acc

Calibration Casing Diameter: 4.500 in
Calibration Depth: 37.892 ft

Master Calibration, performed Tue Oct 11 14:23:01 2022:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.004	0.751	0.000	81.196	108.777	-0.483
CAL	0.004	0.759				
5'	0.005	0.726	0.000	81.196	112.573	-0.511
SUM						
S1	0.005	0.758	0.000	100.000	132.825	-0.629
S2	0.005	0.760	0.000	100.000	132.357	-0.645
S3	0.004	0.764	0.000	100.000	131.609	-0.519
S4	0.004	0.759	0.000	100.000	132.338	-0.509
S5	0.004	0.758	0.000	100.000	132.670	-0.568
S6	0.004	0.750	0.000	100.000	134.077	-0.525
S7	0.004	0.747	0.000	100.000	134.639	-0.562
S8	0.005	0.748	0.000	100.000	134.666	-0.707

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.759	1.000	0.000

Air Zero Calibration, performed Tue Oct 11 14:21:42 2022:

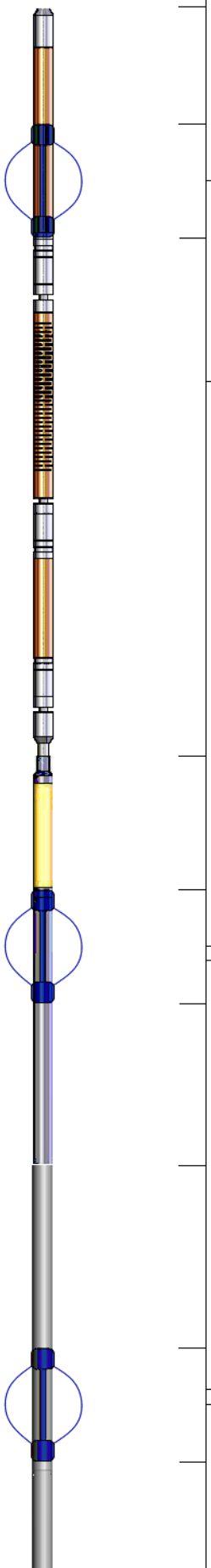
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

Inclinometer Calibration Report

Performed: Thu Jul 28 15:46:49 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)
			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
WVFS8	14.27		RBT8acc-Probe275acc (FW1312-30) 2.75" Radial Corrosion with accelerometer	8.75	2.75	110.00
WVFS7	14.27					
WVFS6	14.27					
WVFS5	14.27					
WVFS4	14.27					
WVFS3	14.27					
WVFS2	14.27					
WVFS1	14.27					
WVF3FT	14.27					
WVF5FT	13.27					
RBT_ACCZ	10.02					
RBT_ACCY	10.02					
RBT_ACCX	10.02					
WVFSYNC	10.02					
WVFCAL	10.02					
DCCL	9.11					
CCL	9.11		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
GR	7.78		GR-Probe275dig (FW1403-104) Probe Digital Gamma CCL	4.78	2.75	57.00
			CNT-275Dig (FW1409-35) Probe Digital CNL	5.24	2.75	40.00
CNLSC	1.91		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
CNSSC	1.48					

Dataset:	caerus_bju b26 fed 21c-27-496_rcbl_cnl_10-10-2022.db: field/well/run1/main
Total length:	18.77 ft
Total weight:	237.00 lb
O.D.:	3.25 in

Company	Caerus Piceance LLC.
Well	BJU B26 Fed 21C-27-496
Field	Grand Valley
County	Garfield
State	Colorado

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Radial Cement Bond
Gamma Ray
Casing Collar Log