



**RADIAL BOND TOOL  
GAMMA RAY  
CCL**

Company CIVITAS RESOURCES  
Well MILLER 33-17J  
Field WATTENBERG  
County WELD  
State COLORADO Country U.S.A.

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Location: SW/SE  
LAT. 40.133430 LONG. -104.910452  
SEC 17 TWP 2N RGE 67W  
Permanent Datum GL Elevation 4957'  
Log Measured From KB 16'  
Drilling Measured From KB  
Other Services  
K.B. 4973'  
D.F. 4972'  
G.L. 4957'

Date FEBRUARY 17 2025  
Run Number ONE  
Depth Driller 8358'  
Depth Logger 7496'  
Bottom Logged Interval 7500'  
Top Log Interval SURFACE  
Open Hole Size 8.75"  
Type Fluid WATER  
Density / Viscosity N/A  
Max. Recorded Temp. N/A  
Estimated Cement Top N/A  
Time Well Ready ON ARRIVAL  
Time Logger on Bottom N/A  
Equipment Number 3812  
Location PLATTEVILLE CO  
Recorded By MICHAEL RAMSEY  
Witnessed By BERNIE CHAVEZ

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record  
Surface String 8.625" Size Wgt/Ft 24# Top Bottom SURFACE SURFACE 603'  
Prot. String  
Production String  
Liner 4.5" 11.6# SURFACE 8358'


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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**

**RAN CBL TO VERIFY CEMENT BOND  
WELL LOADED UPON ARRIVAL  
LOG CORRELATED TO KB WHICH IS 16'**

**VOID IN ANNULUS INDICATED FROM 64' - SURFACE**

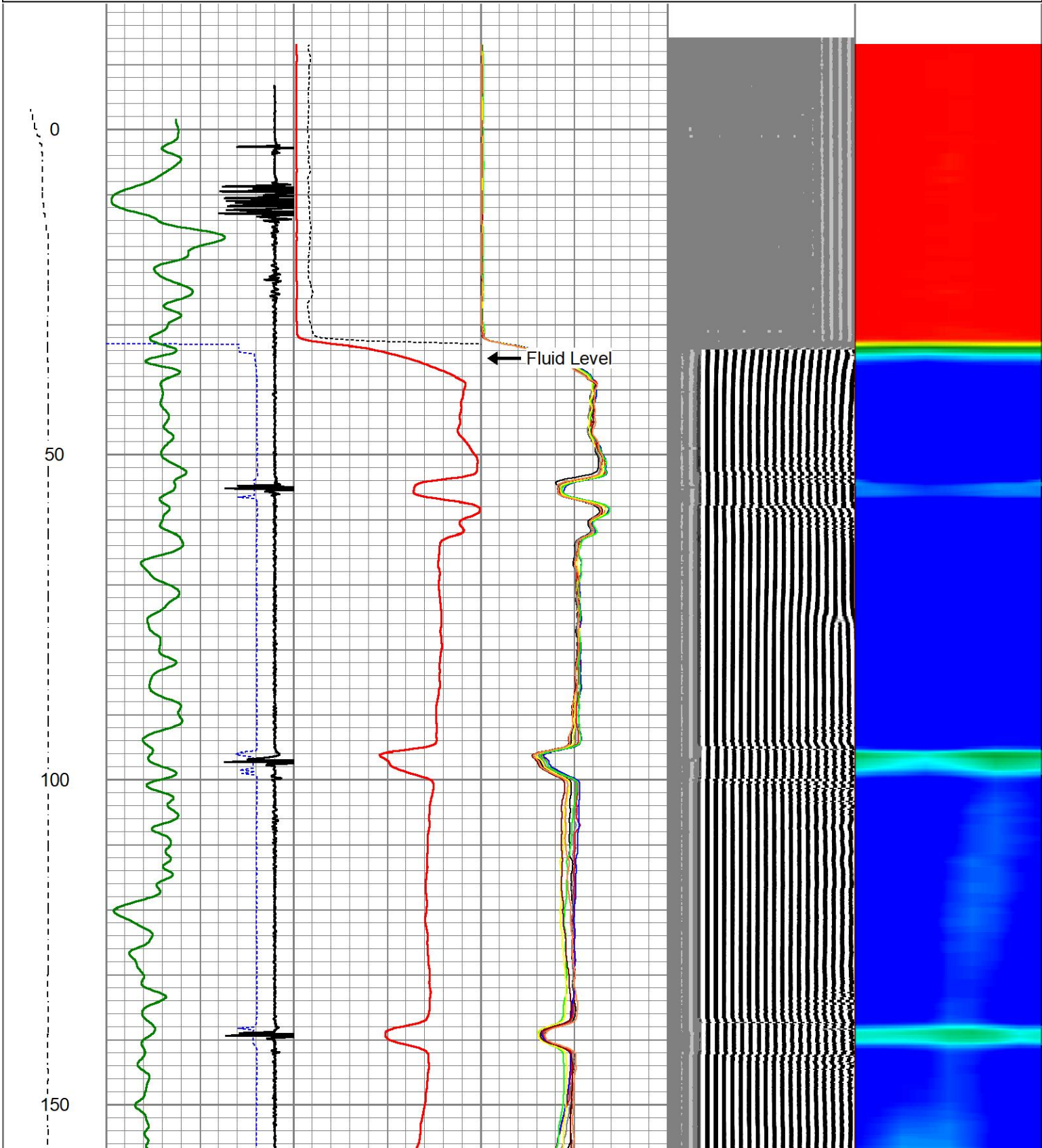
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1_11/16_Cablehead 1 11/16 Cablehead	1.00	1.68	5.00

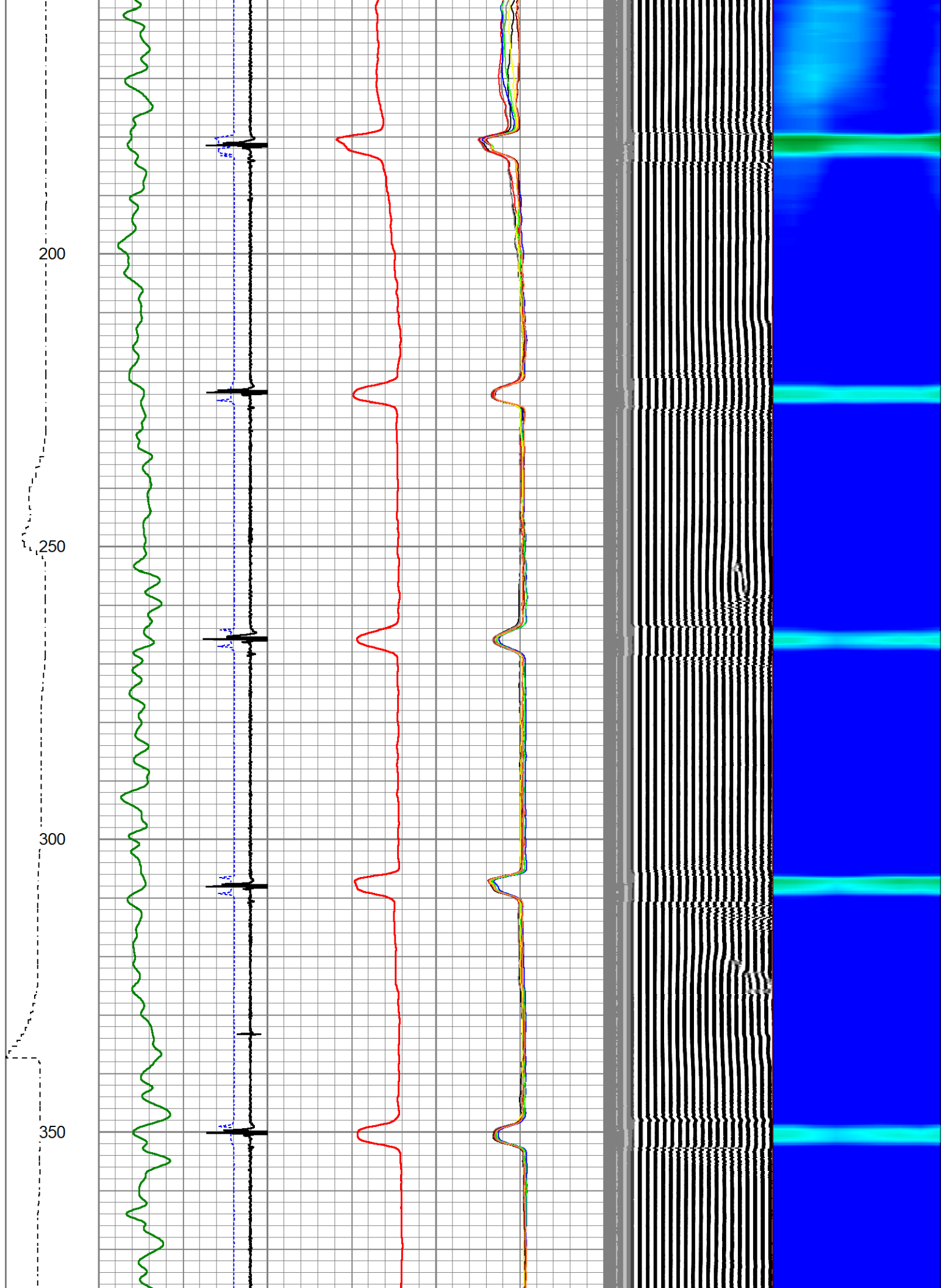
			CENT-1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
HEADVOLT	16.88					
Temp	14.02					
			RBT-27SBT10 (Greeley Ext Temp) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	
WVFS8	11.79					
WVFS7	11.79					
WVFS6	11.79					
WVFS5	11.79					
WVFS4	11.79					
WVFS3	11.79					
WVFS2	11.79					
WVFS1	11.79					
WVF3FT	11.79					
WVF5FT	10.79					
WVFCAL	7.54					
HEADVOLT	7.54					
			CENT-1.69variable 1.69" Centrilizer Variable Length	3.00	1.69	15.00
CCL	3.63					
			GR-27GRL10 (27GRL10-XXXX) 2-3/4" Probe Gamma Ray	4.54	2.75	50.00
GR	0.89					

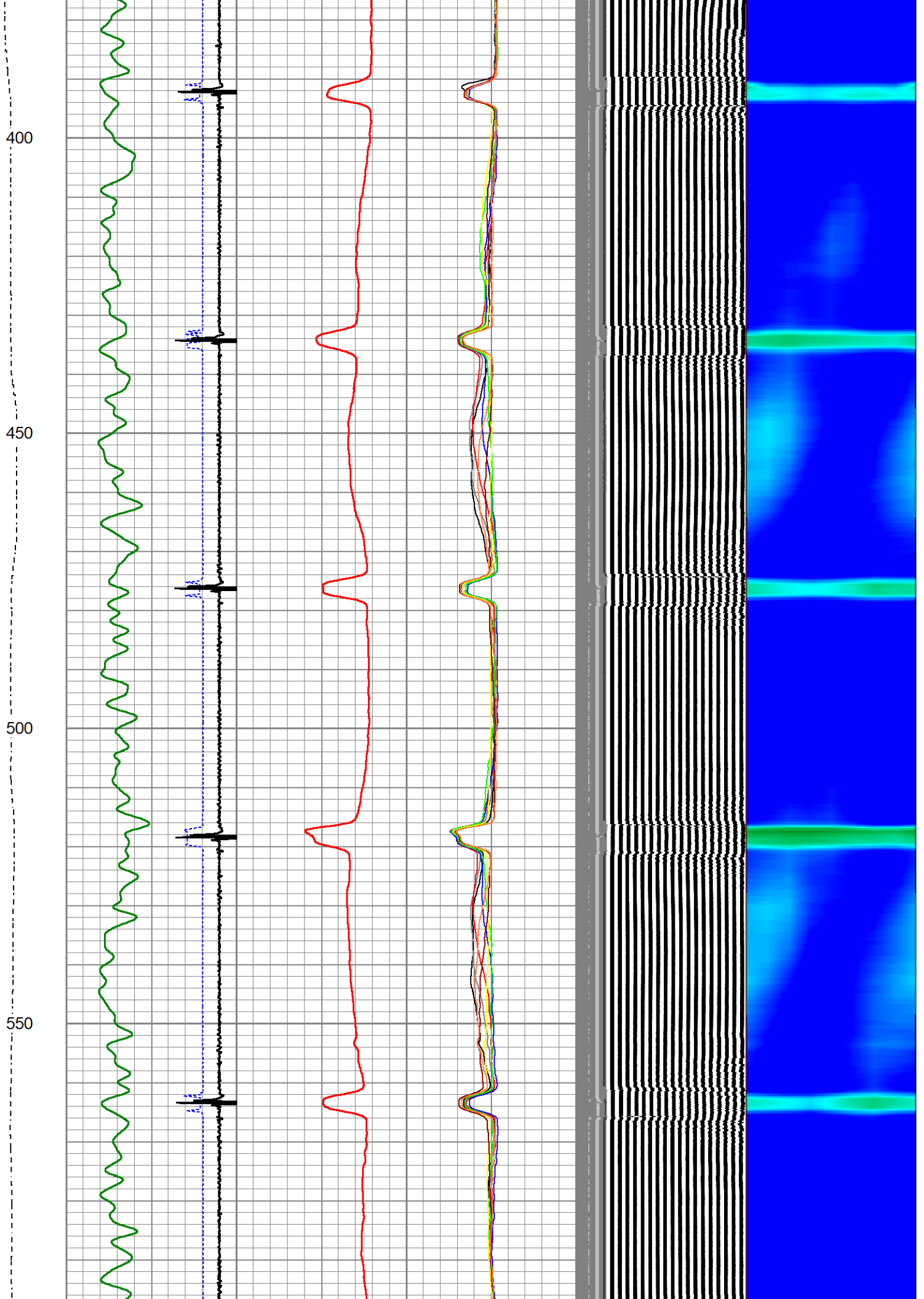
Dataset: miller 33-17j rbl .db: field/well/run1/merge1  
Total length: 20.93 ft  
Total weight: 85.00 lb  
O.D.: 2.75 in

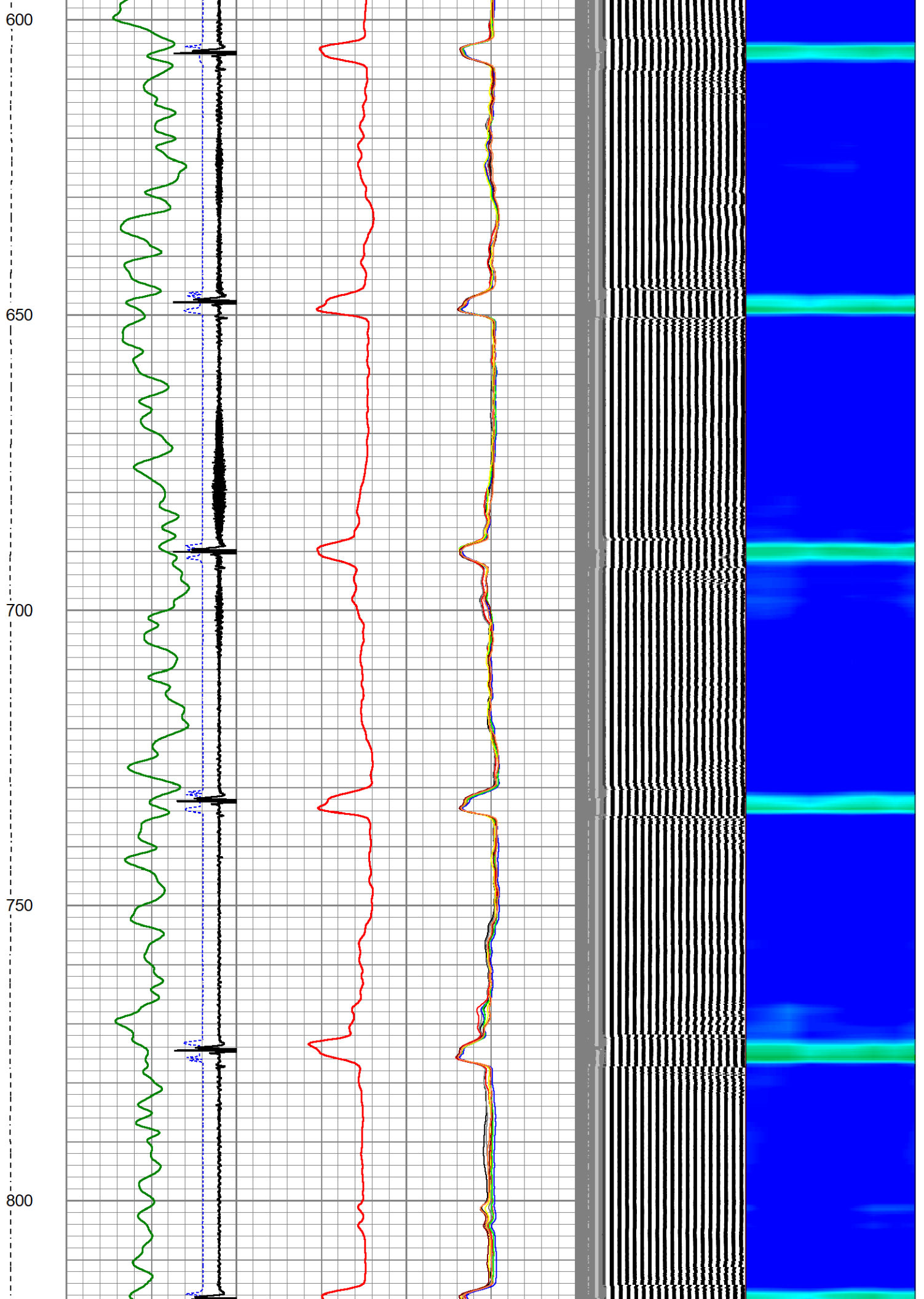
Database File miller 33-17j rbl .db  
Dataset Pathname merge1  
Presentation Format ips\_rbtcolorcivitas  
Dataset Creation Mon Feb 17 12:48:19 2025  
Charted by Depth in Foot scaled 1:240

LSPD	650	TT (usec)	150	0	AMP (mV)	100	0	AMPS1	150	200	VDL (usec)	1200	1	Cement Map	8
(ft/min)	-9	CCL	1	Amplified Amplitude	0	AMPS2	150								
0	250	0	GR (GAPI)	200	0	AMPS3	150								
		200	GR (GAPI)	400		0	AMPS4	150							
						0	AMPS5	150							
						0	AMPS6	150							
						0	AMPS7	150							
						0	AMPS8	150							







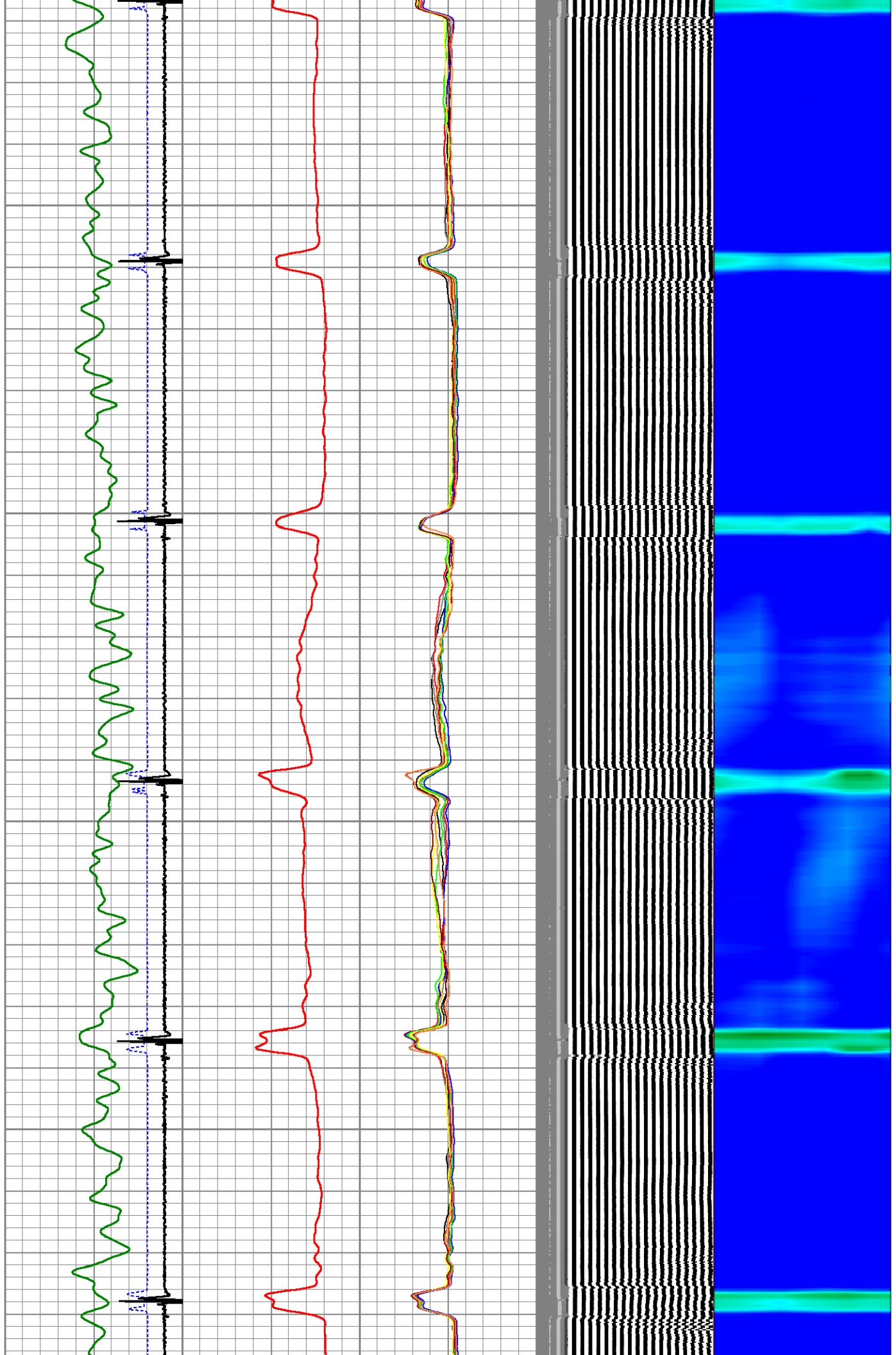


850

900

950

1000



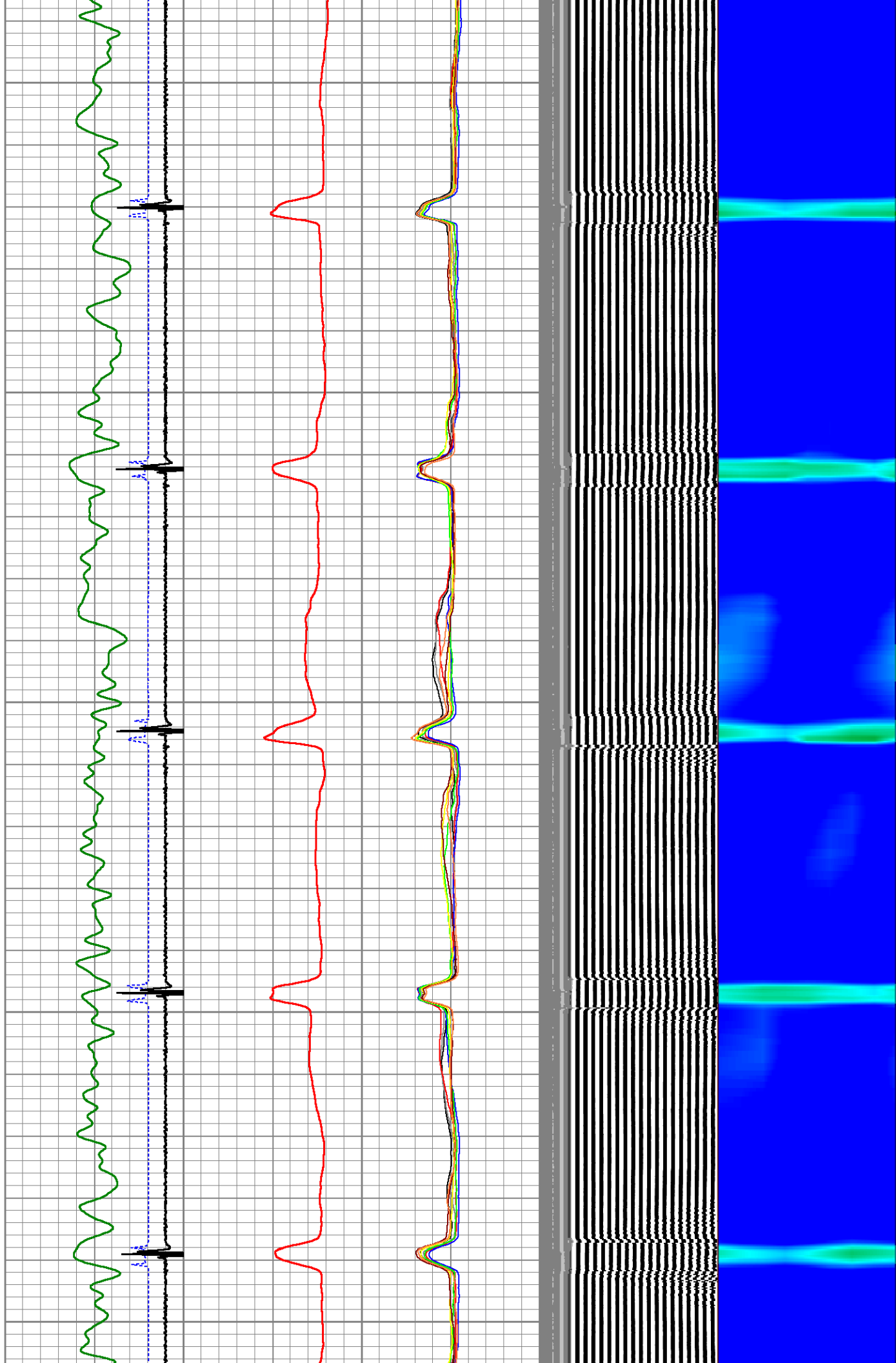
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1100

1150

1200

1250

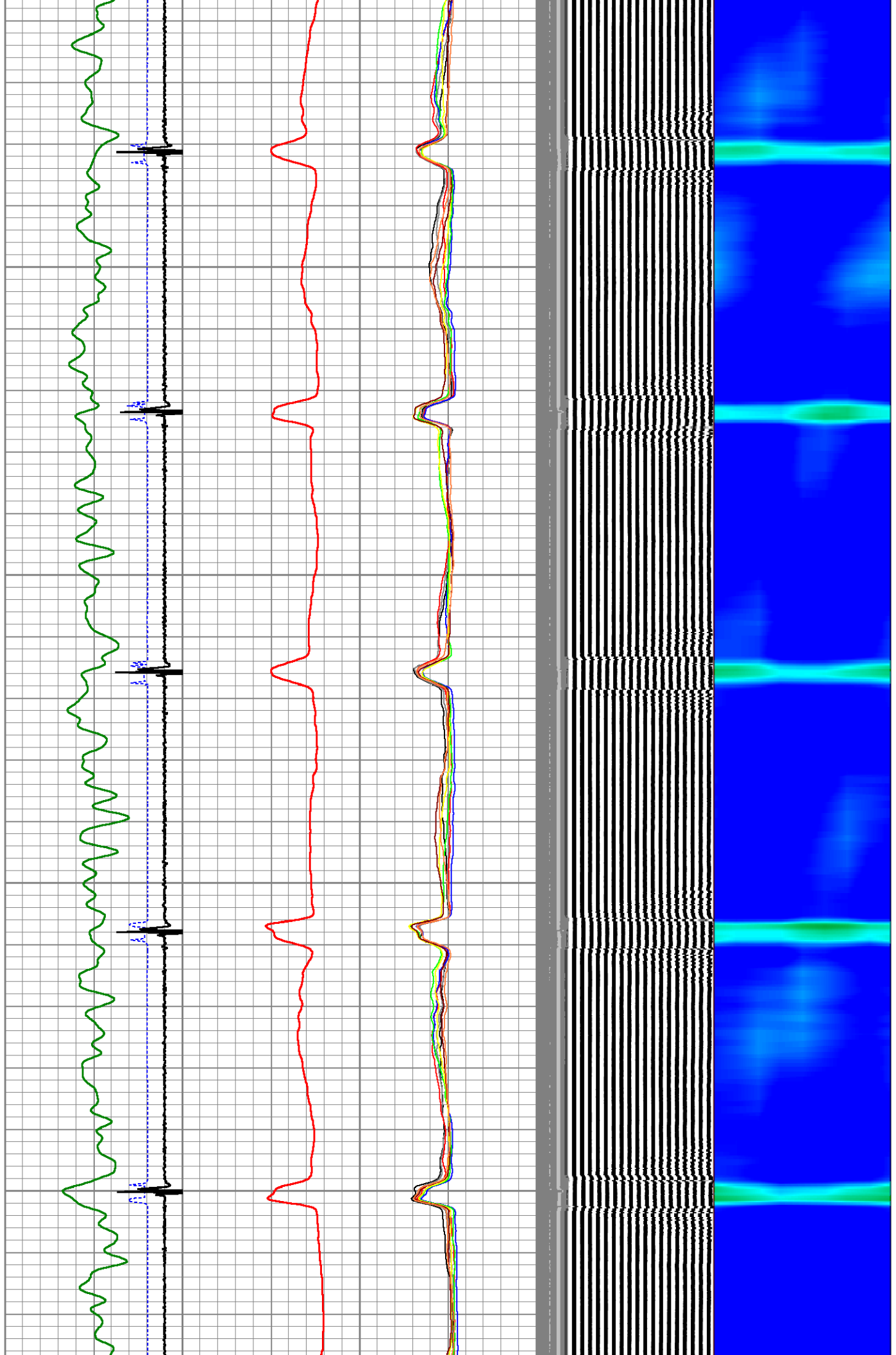


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1400

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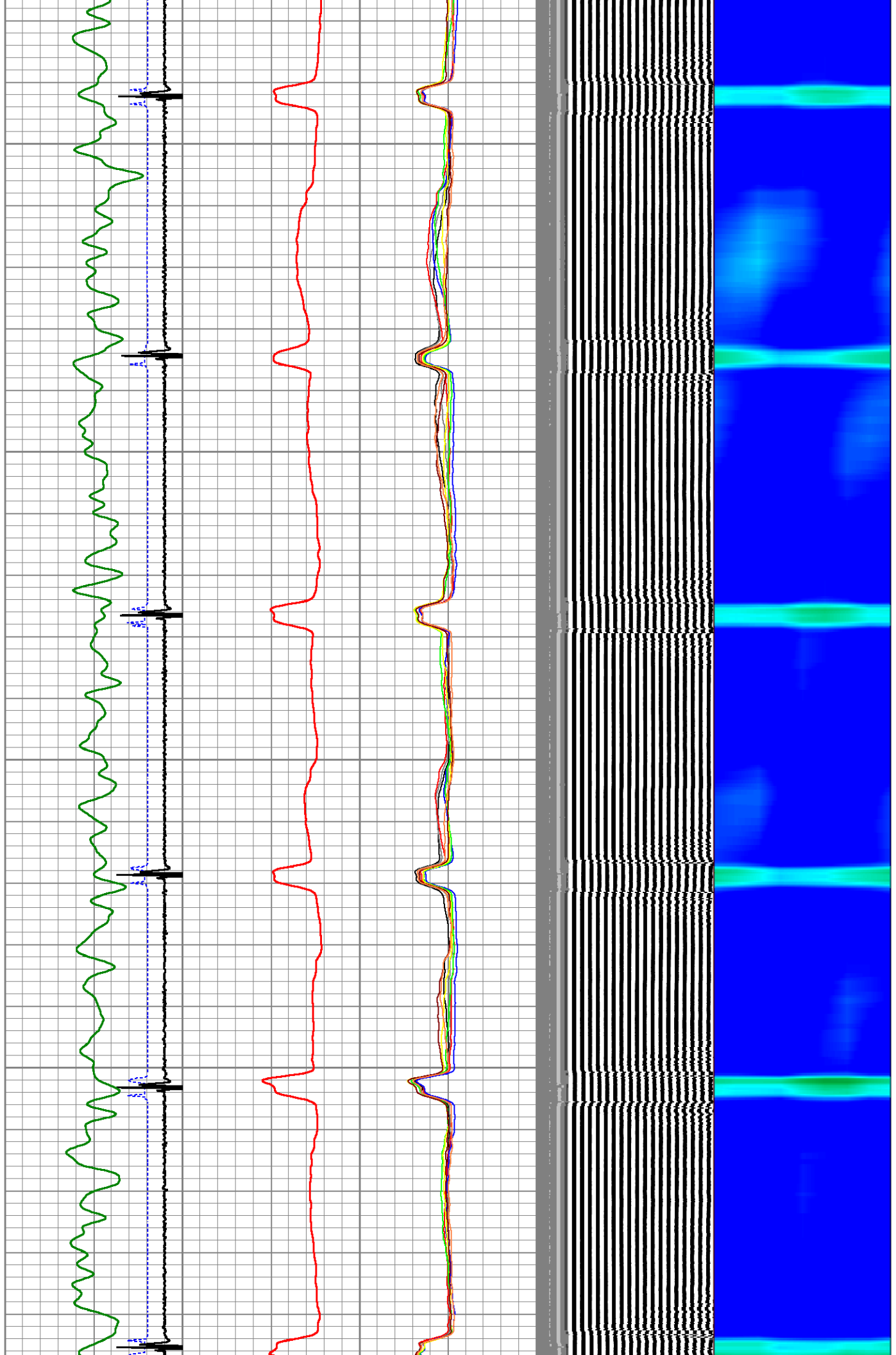


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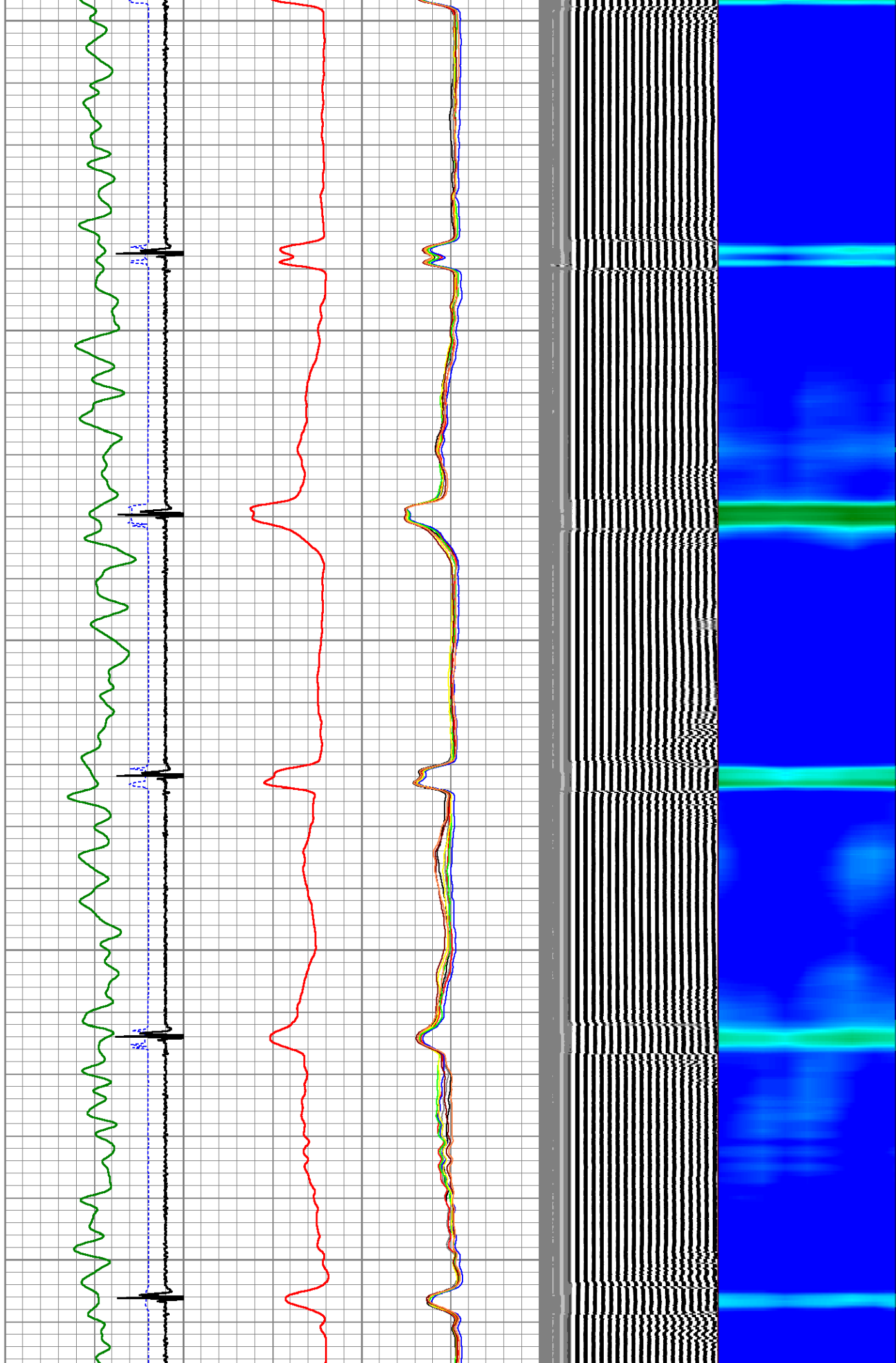
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1600

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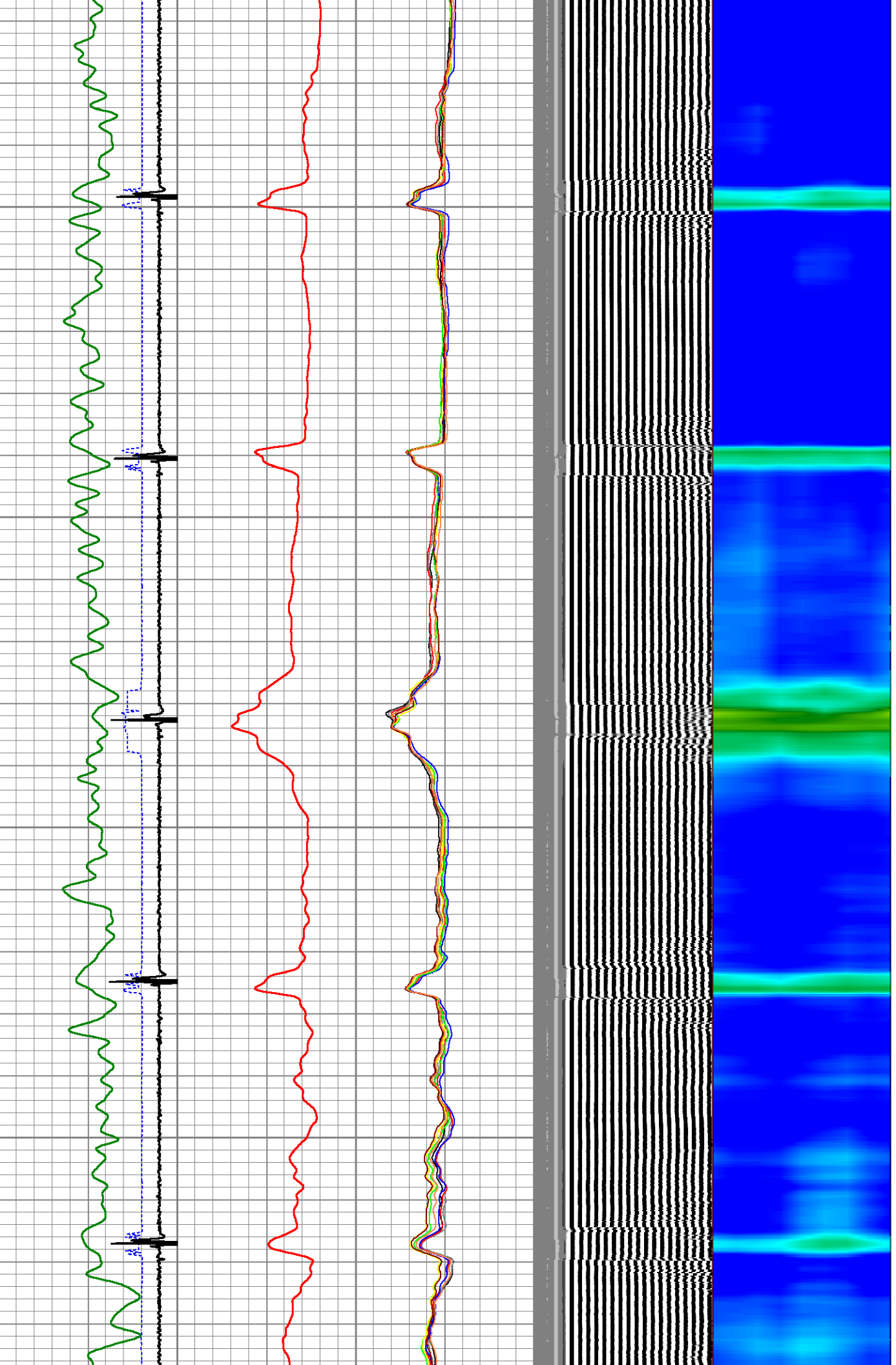


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2000

2050

2100



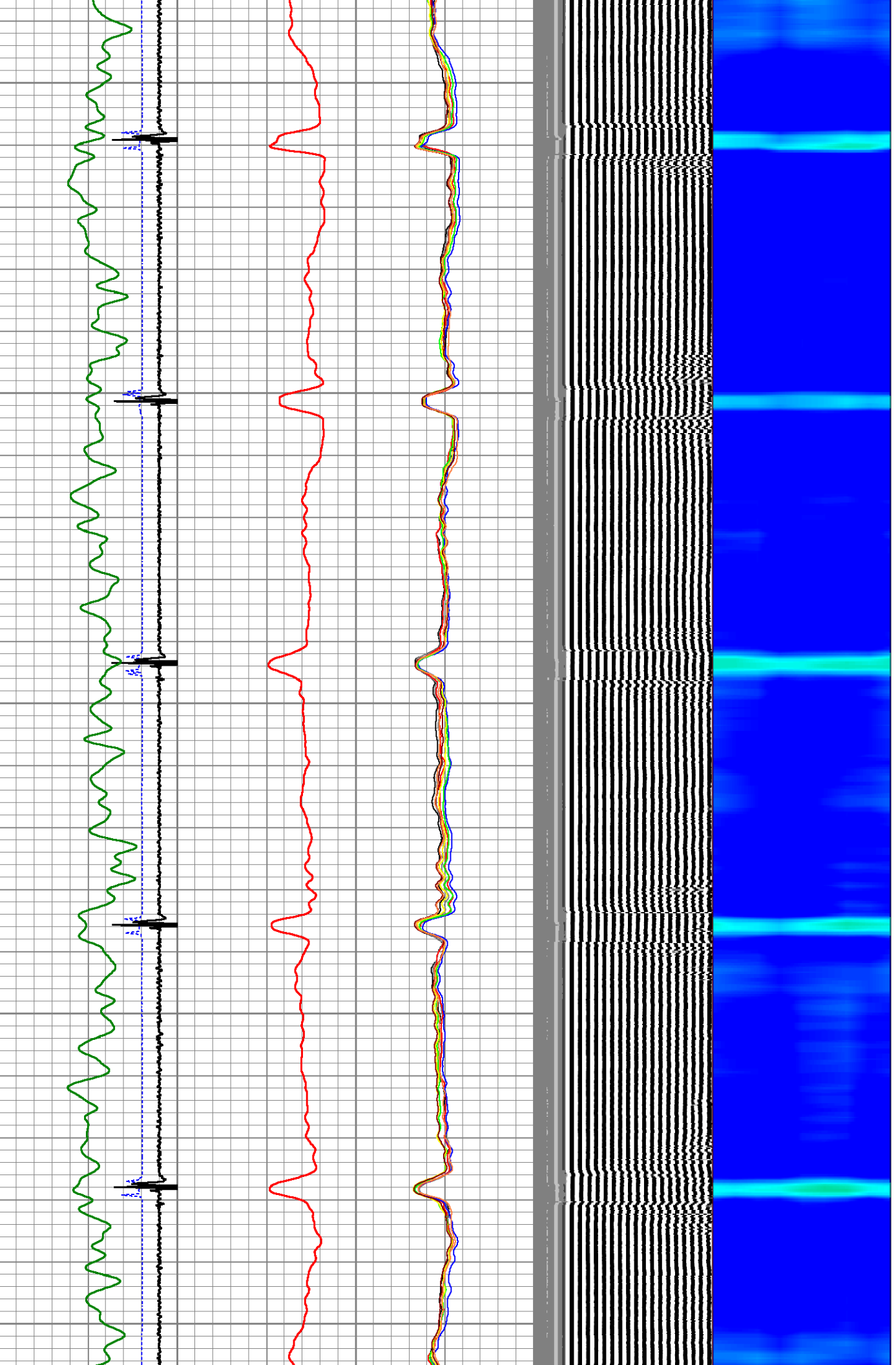
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2300

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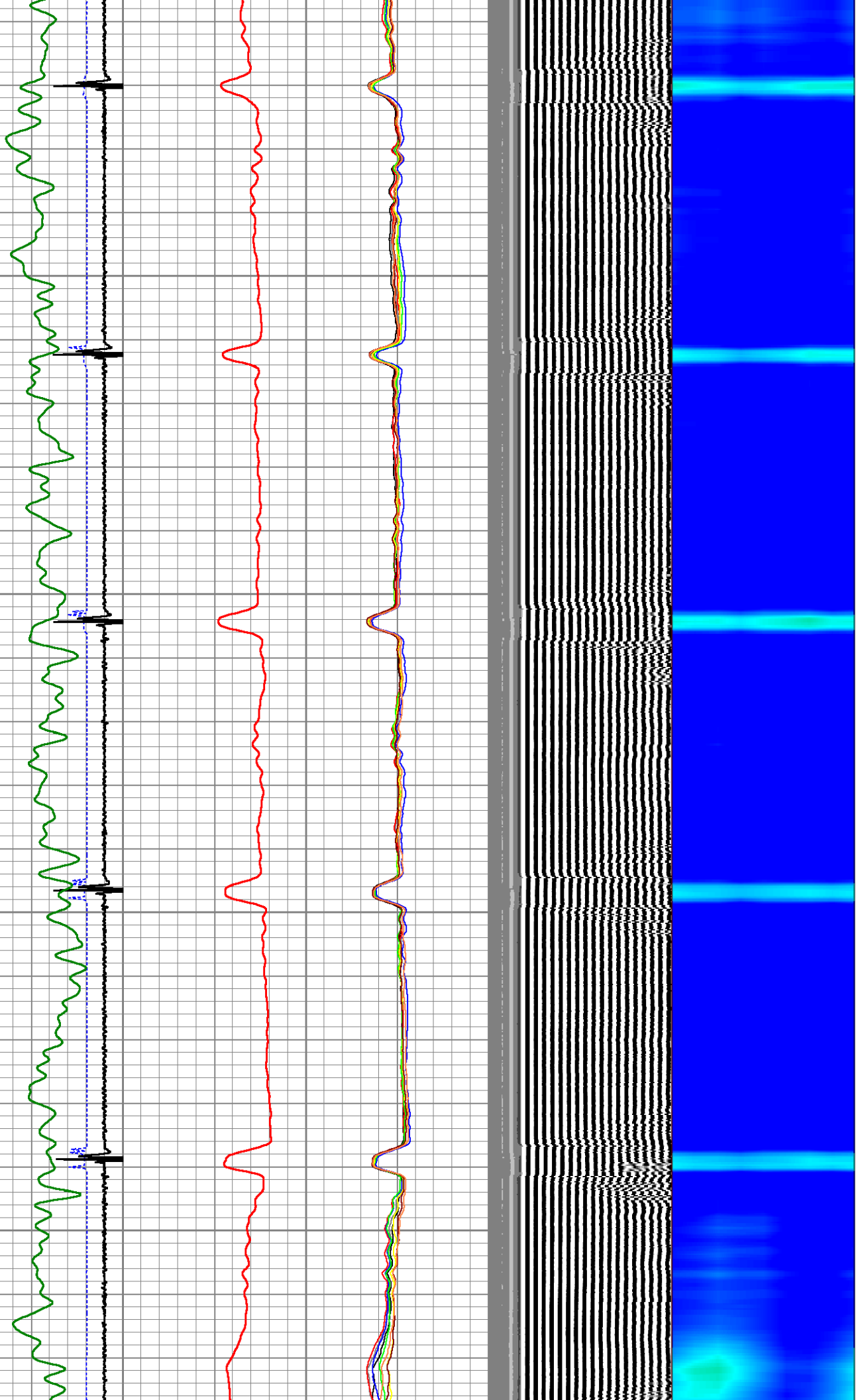


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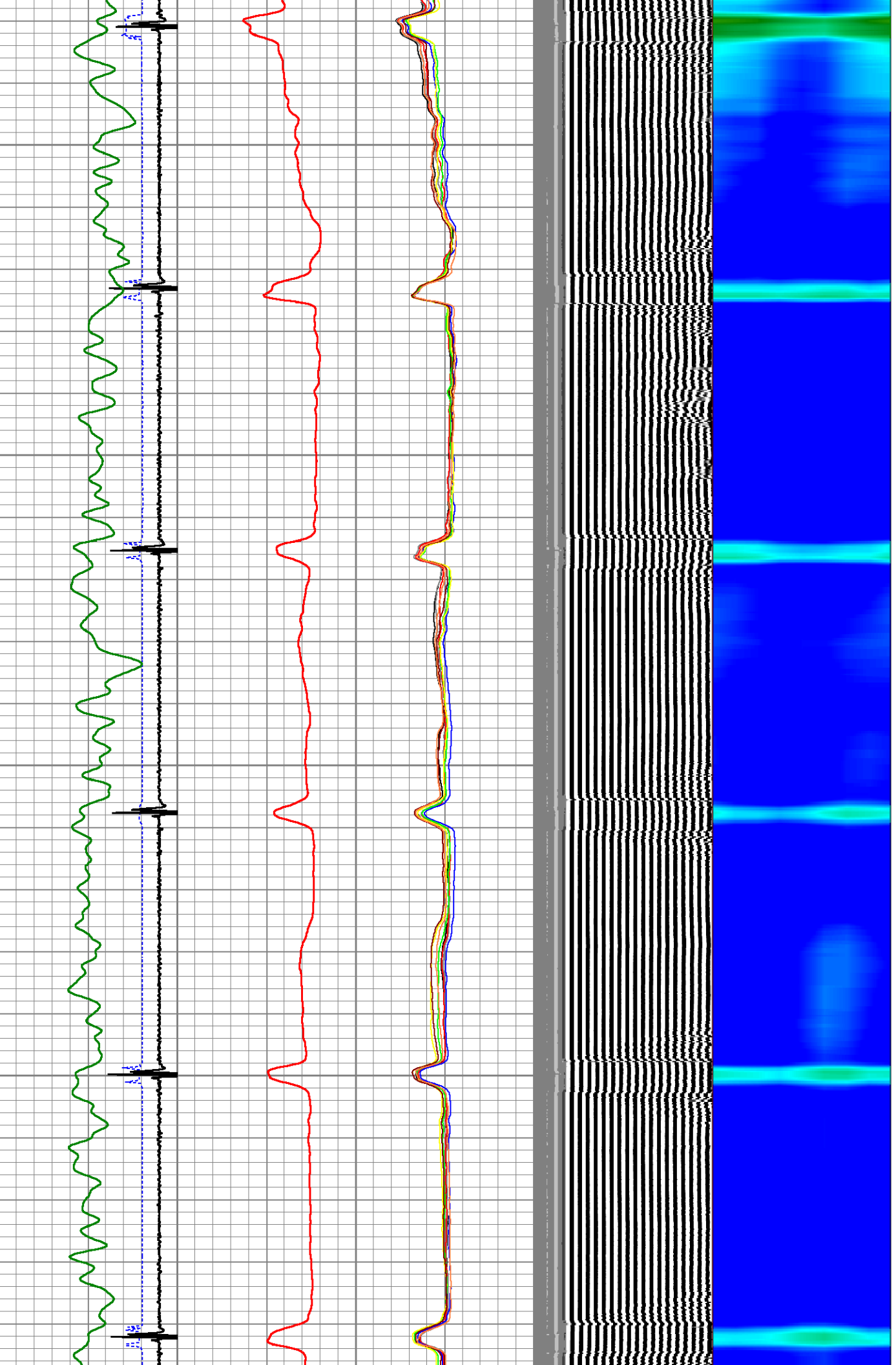


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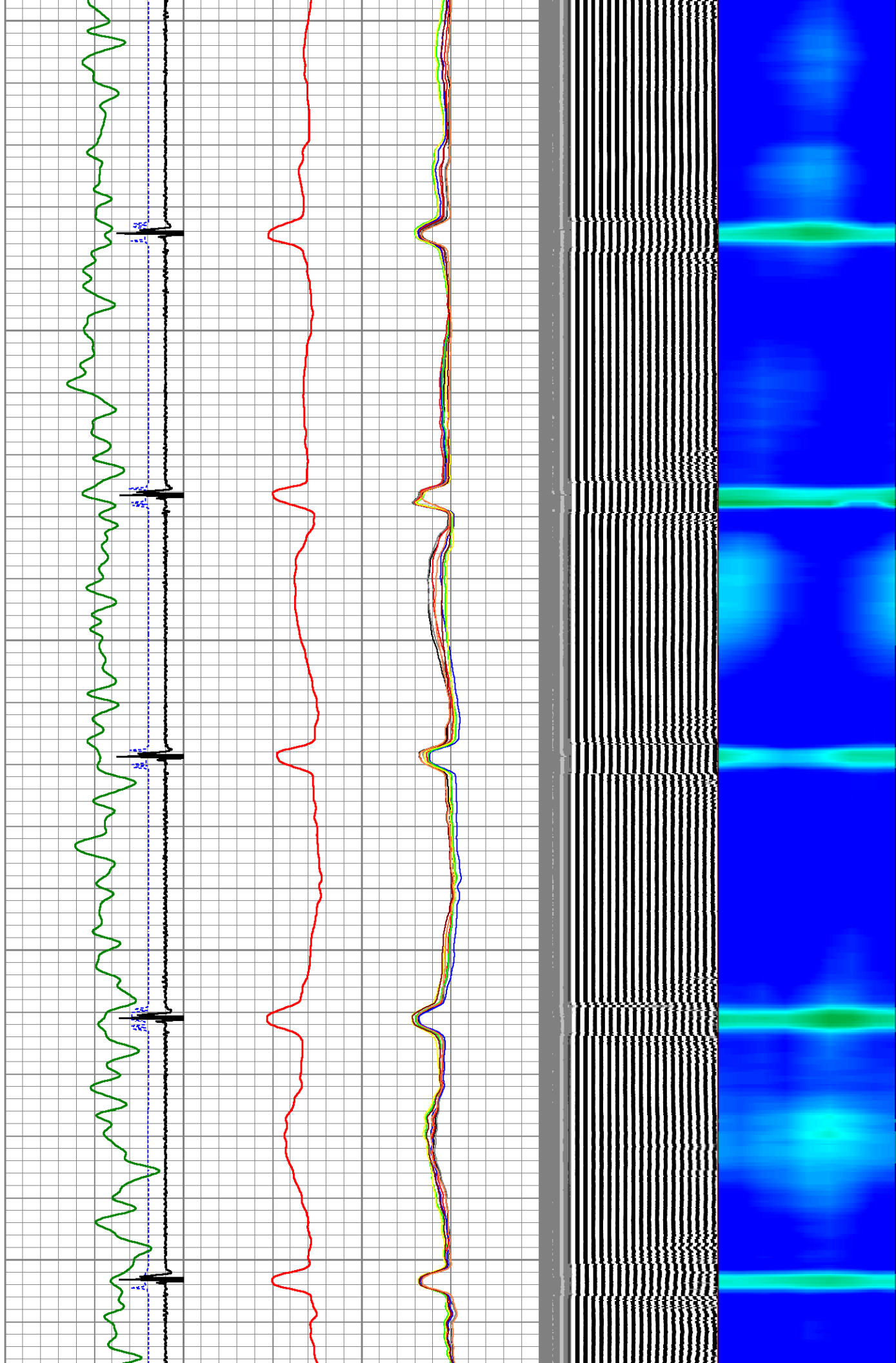
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2950  
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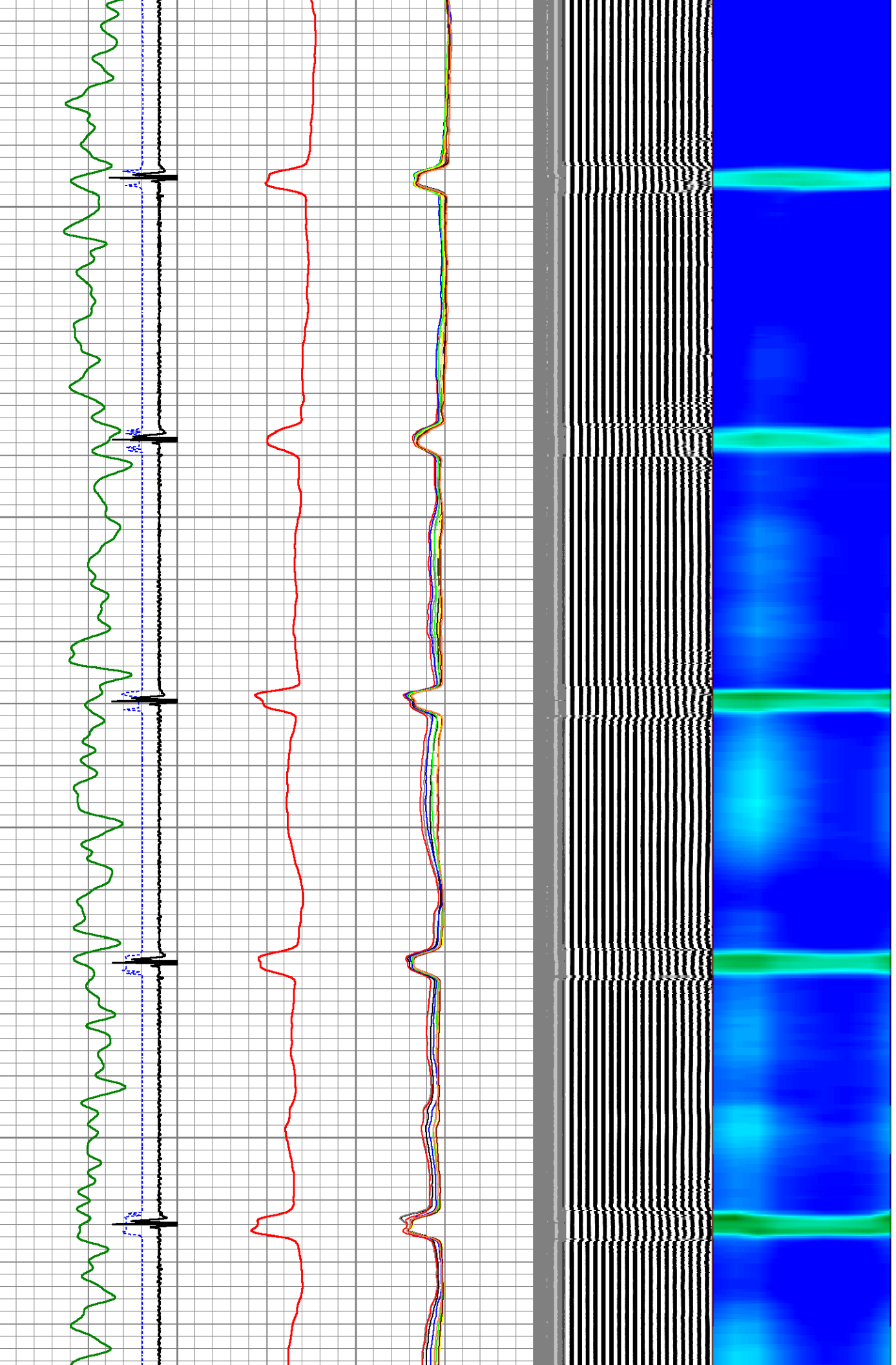


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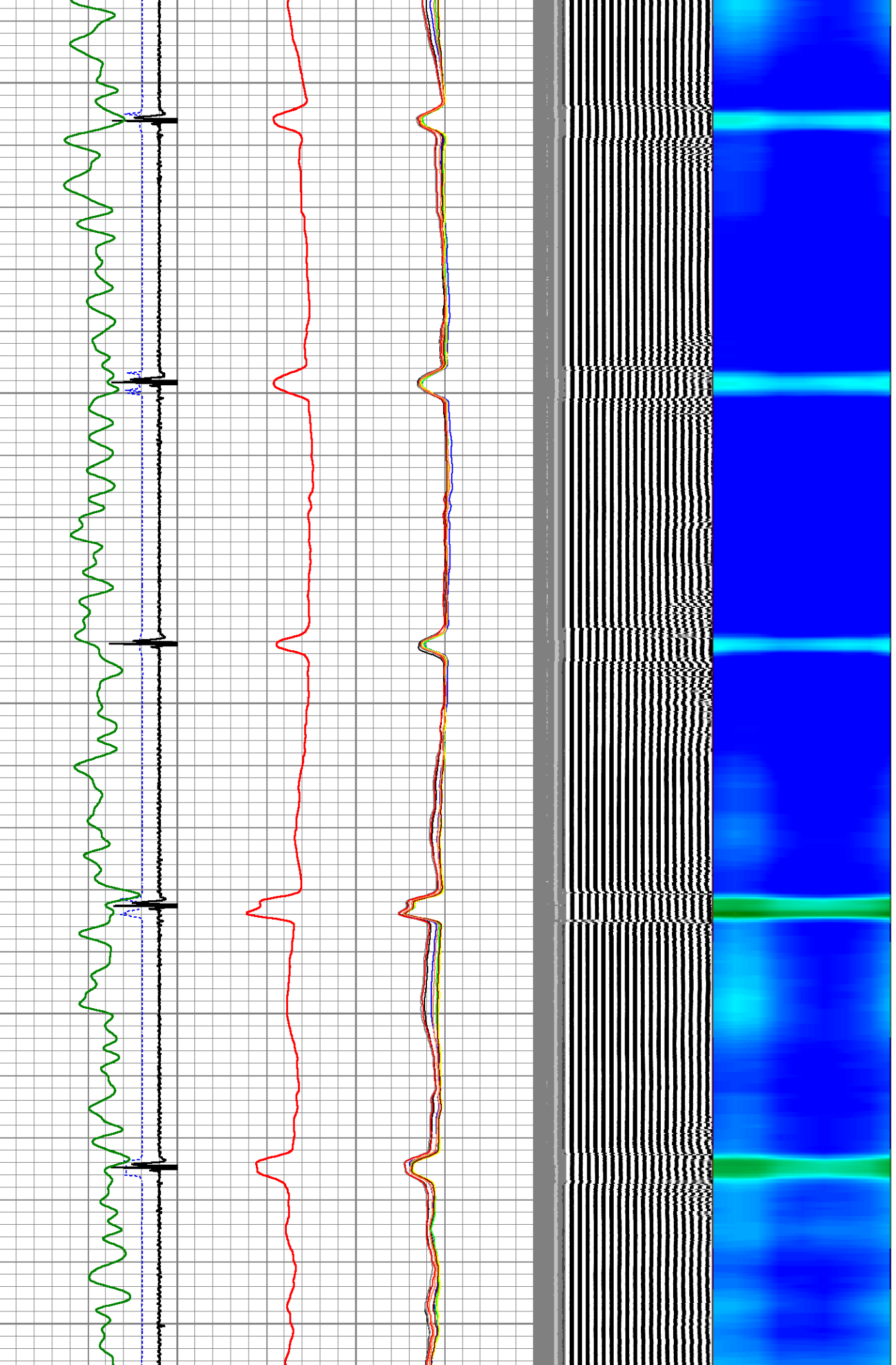
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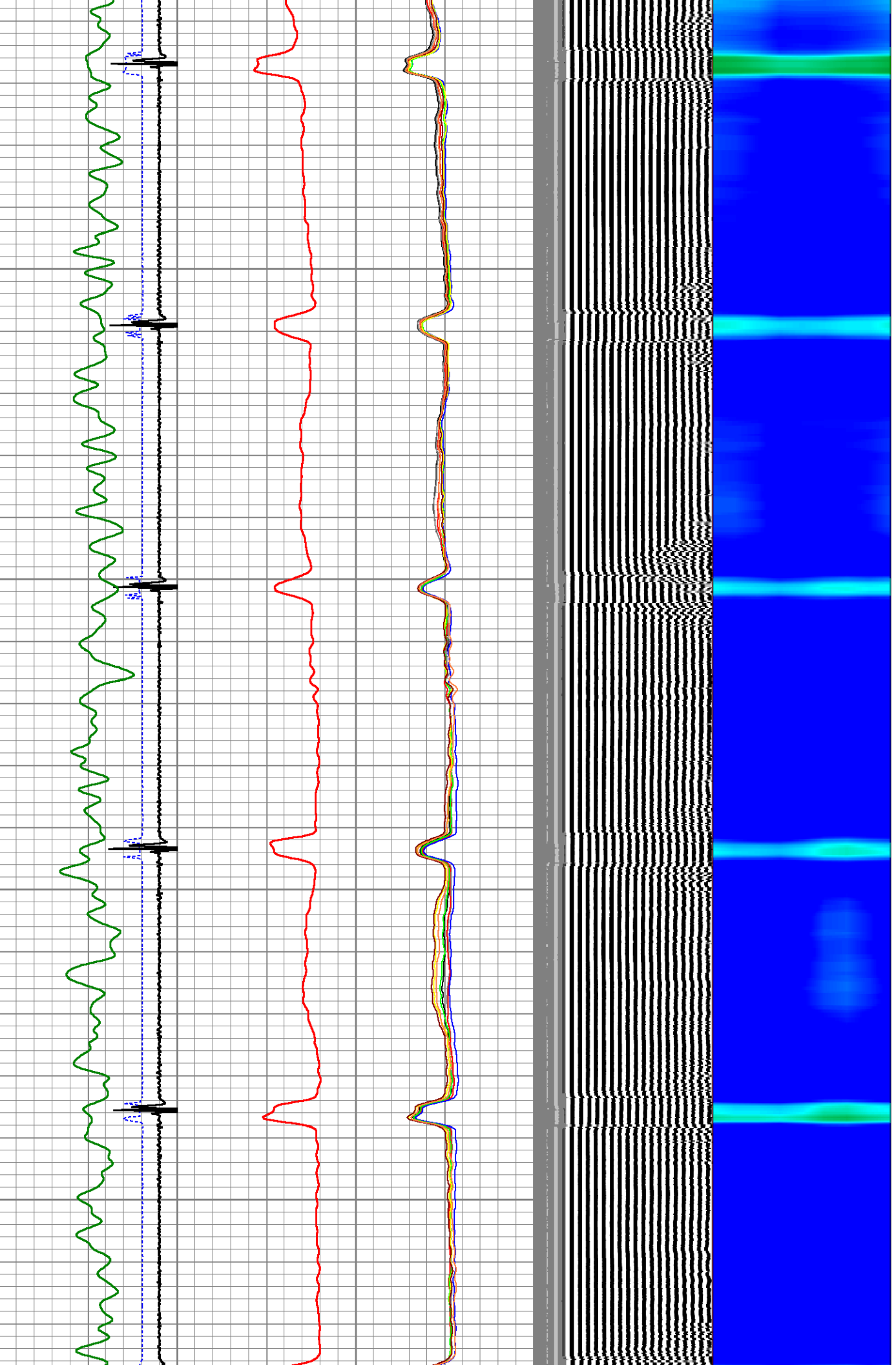


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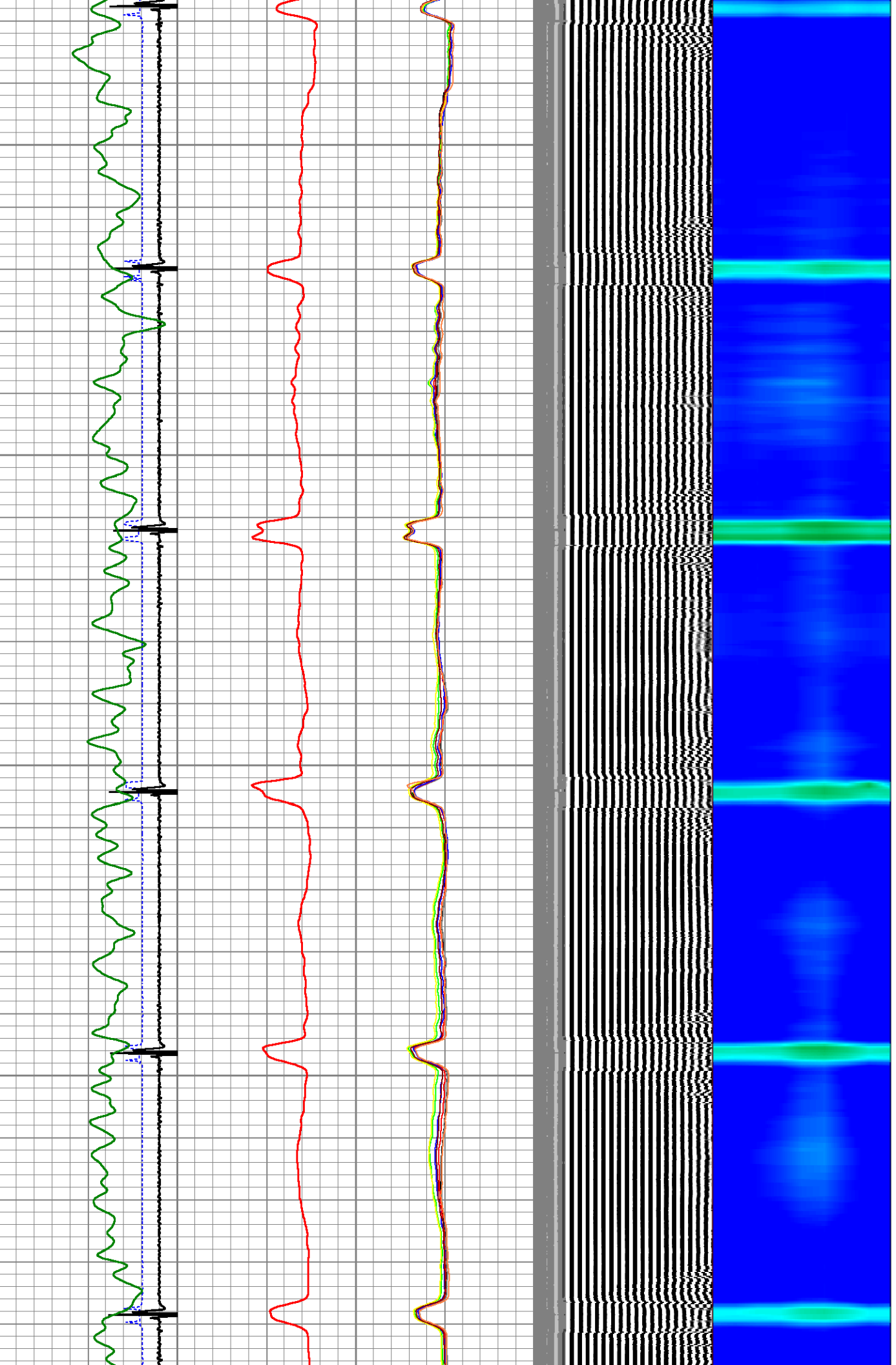


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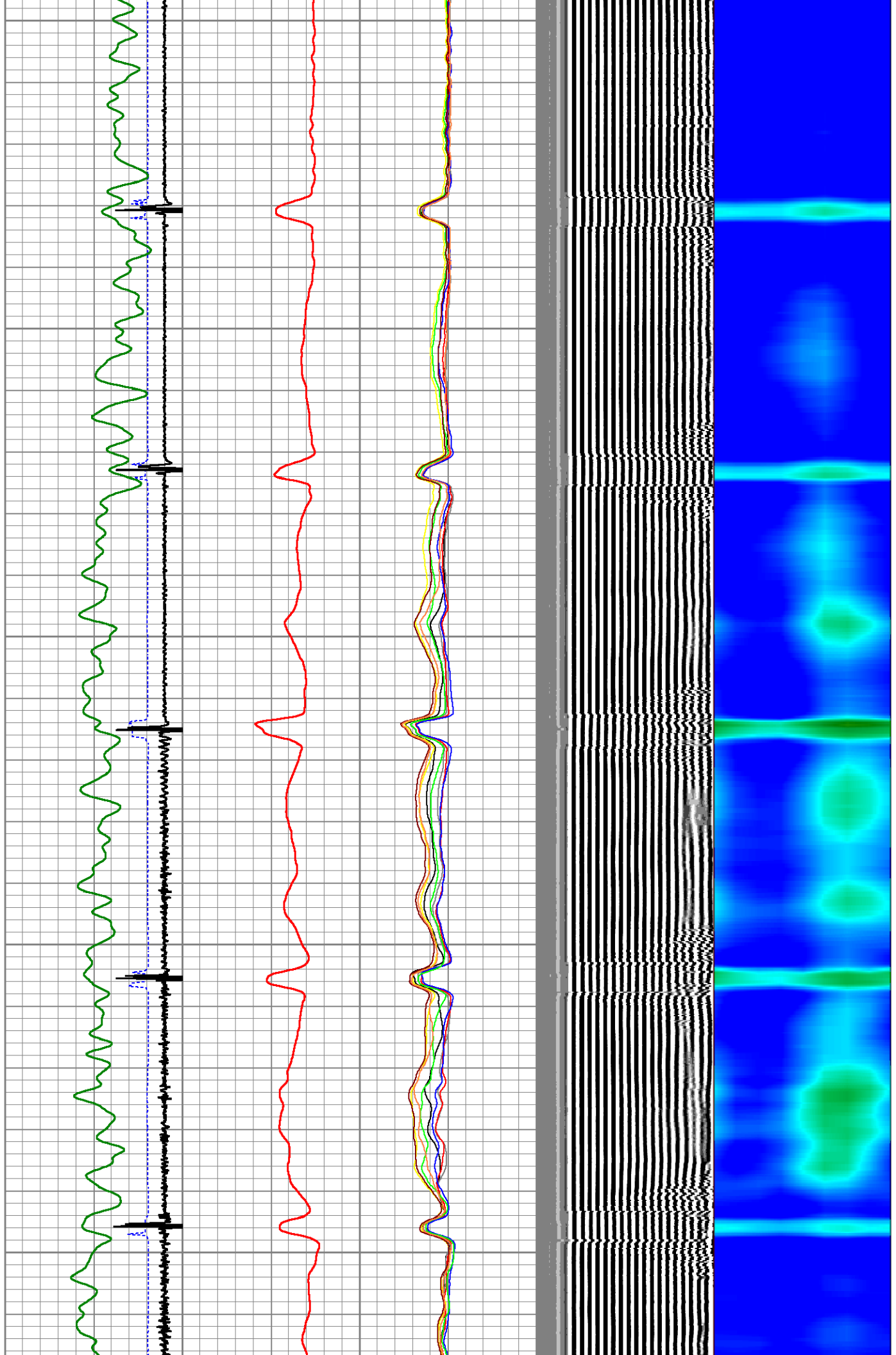
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4050

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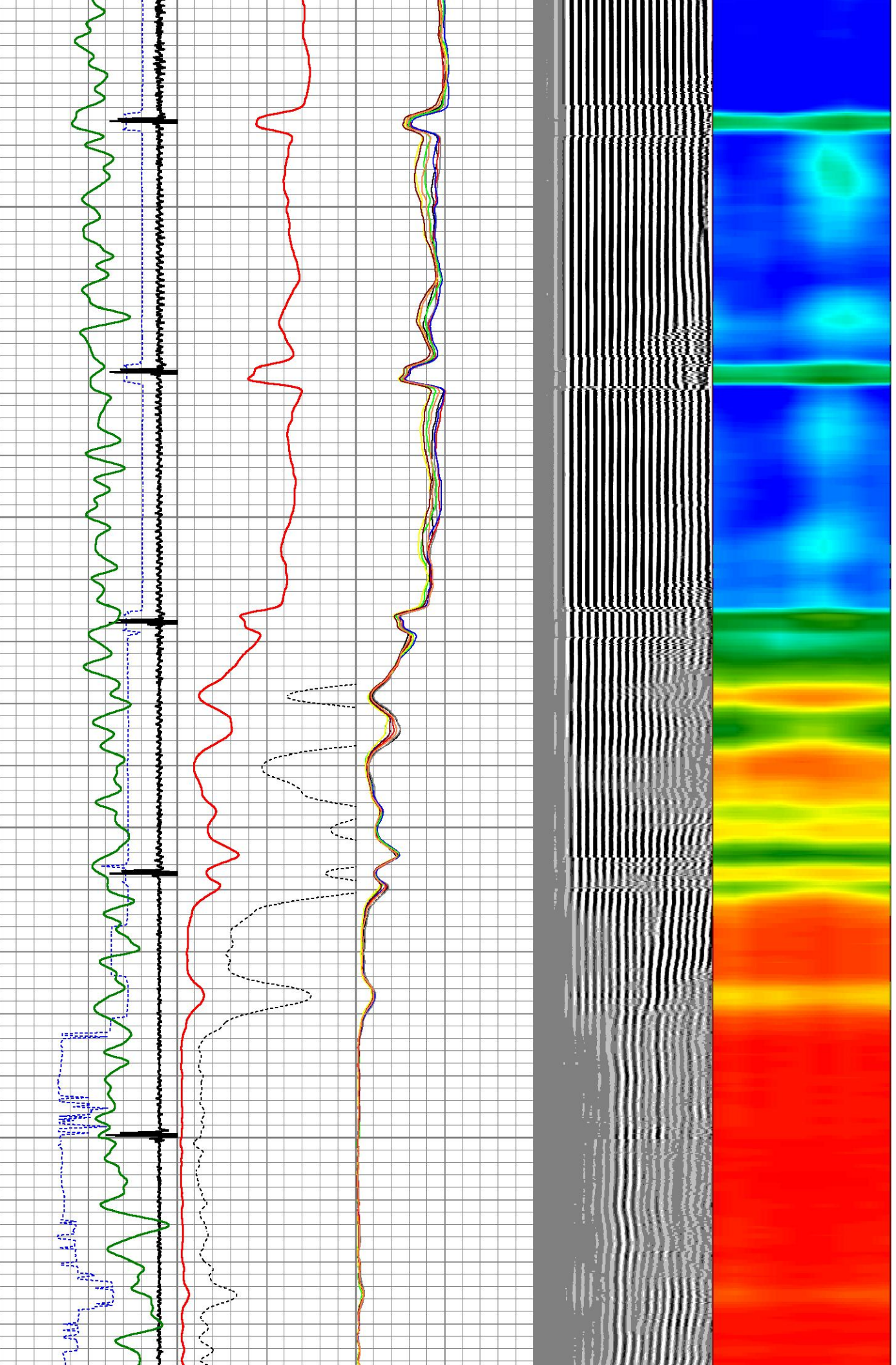


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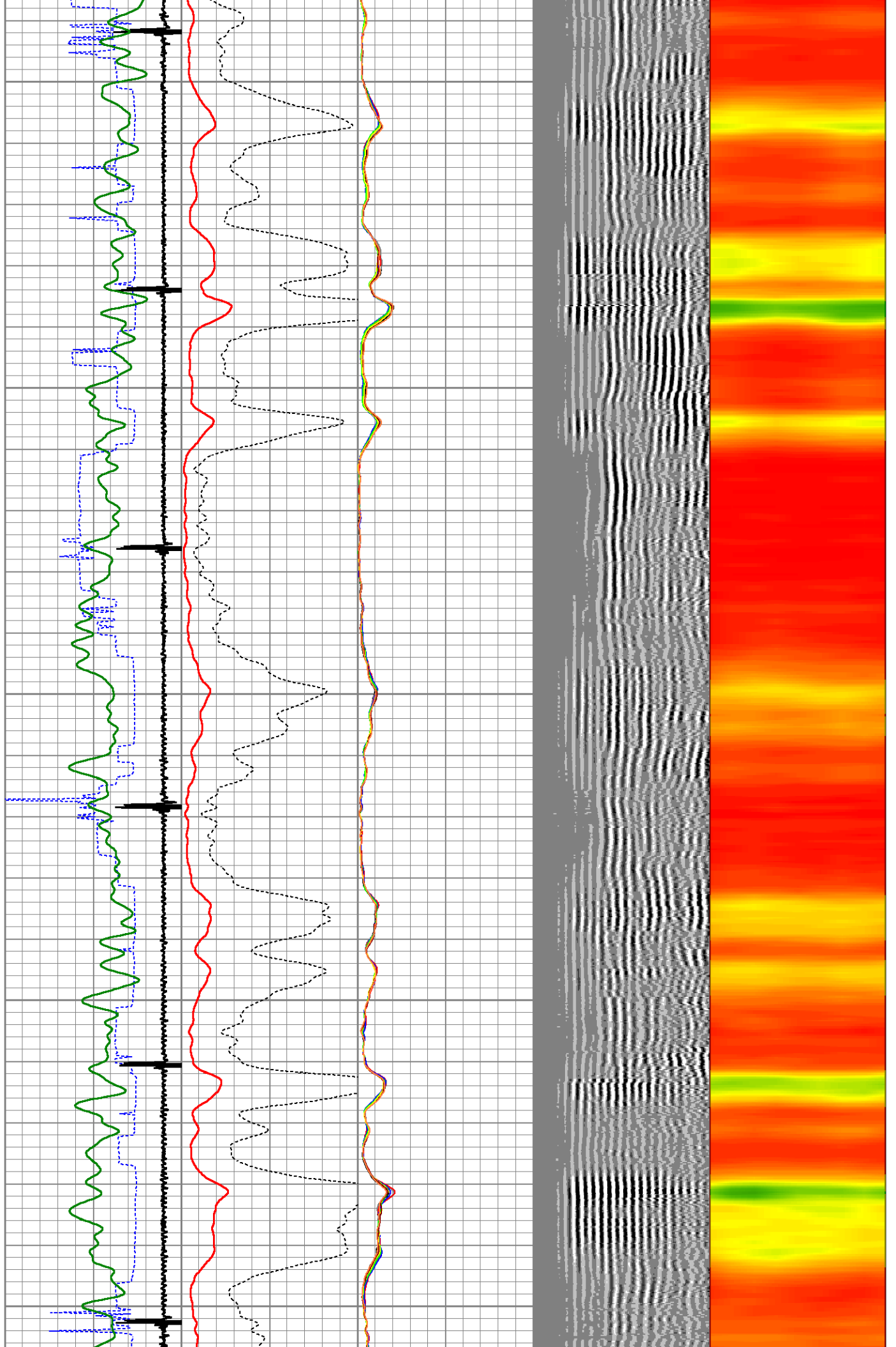
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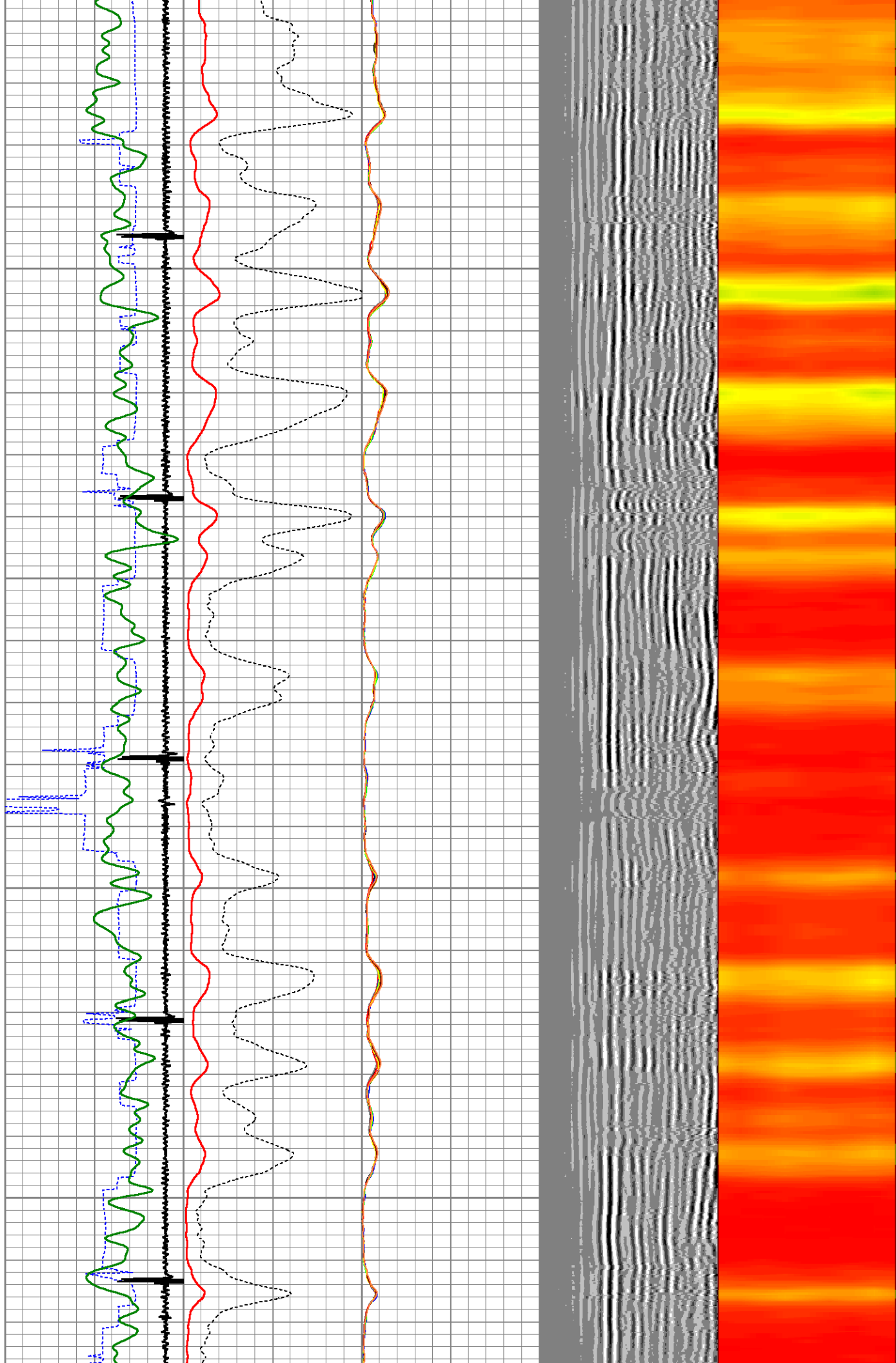


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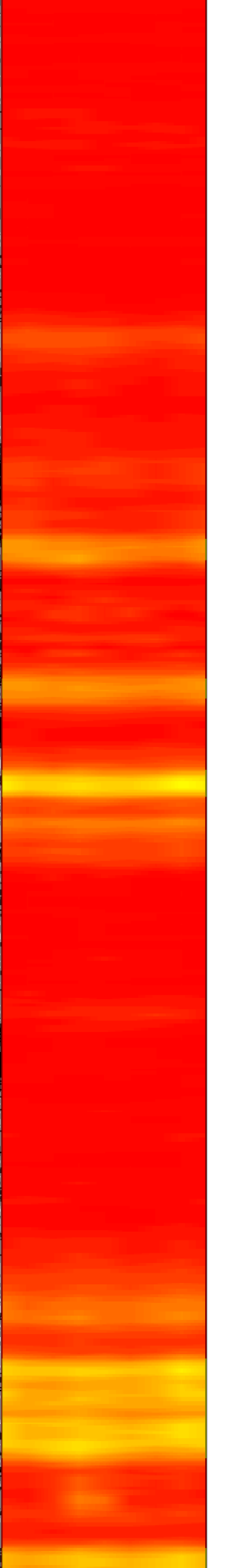
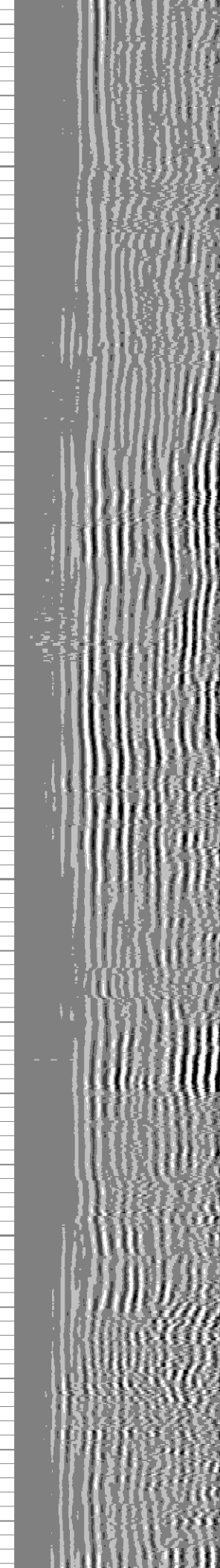
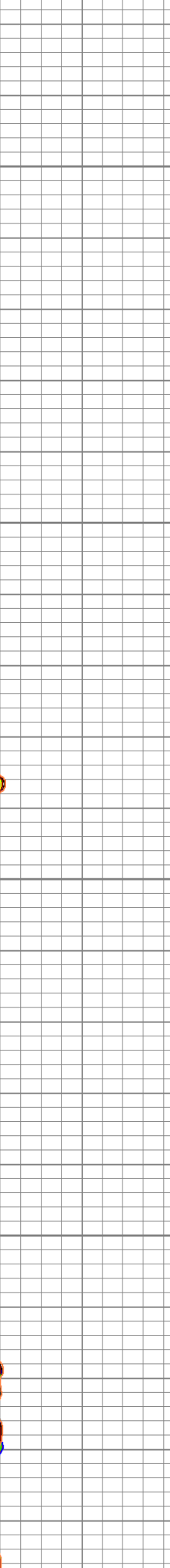
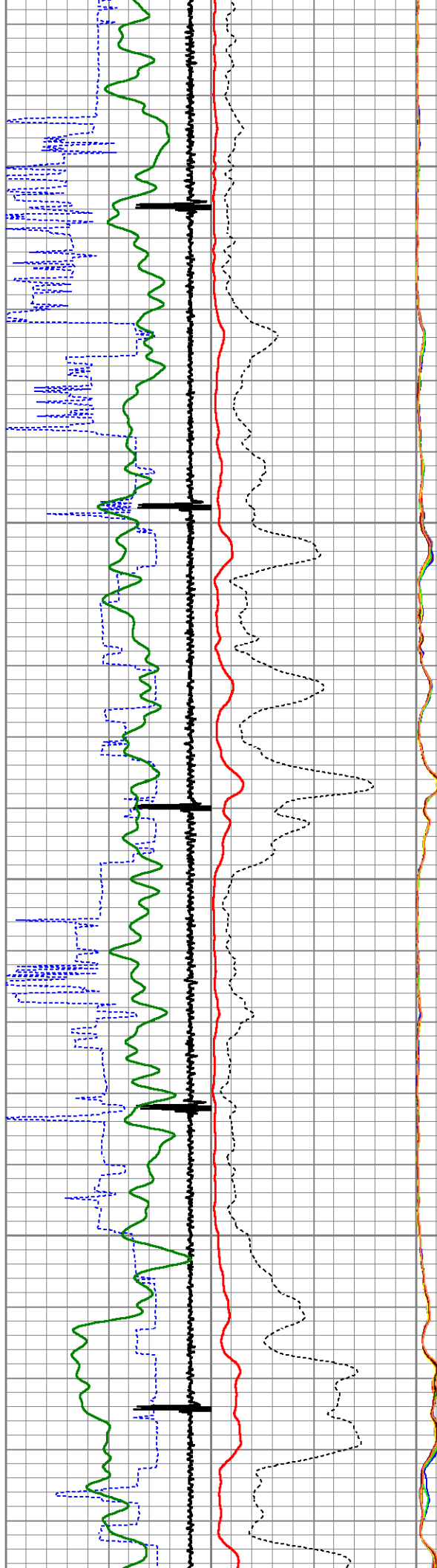


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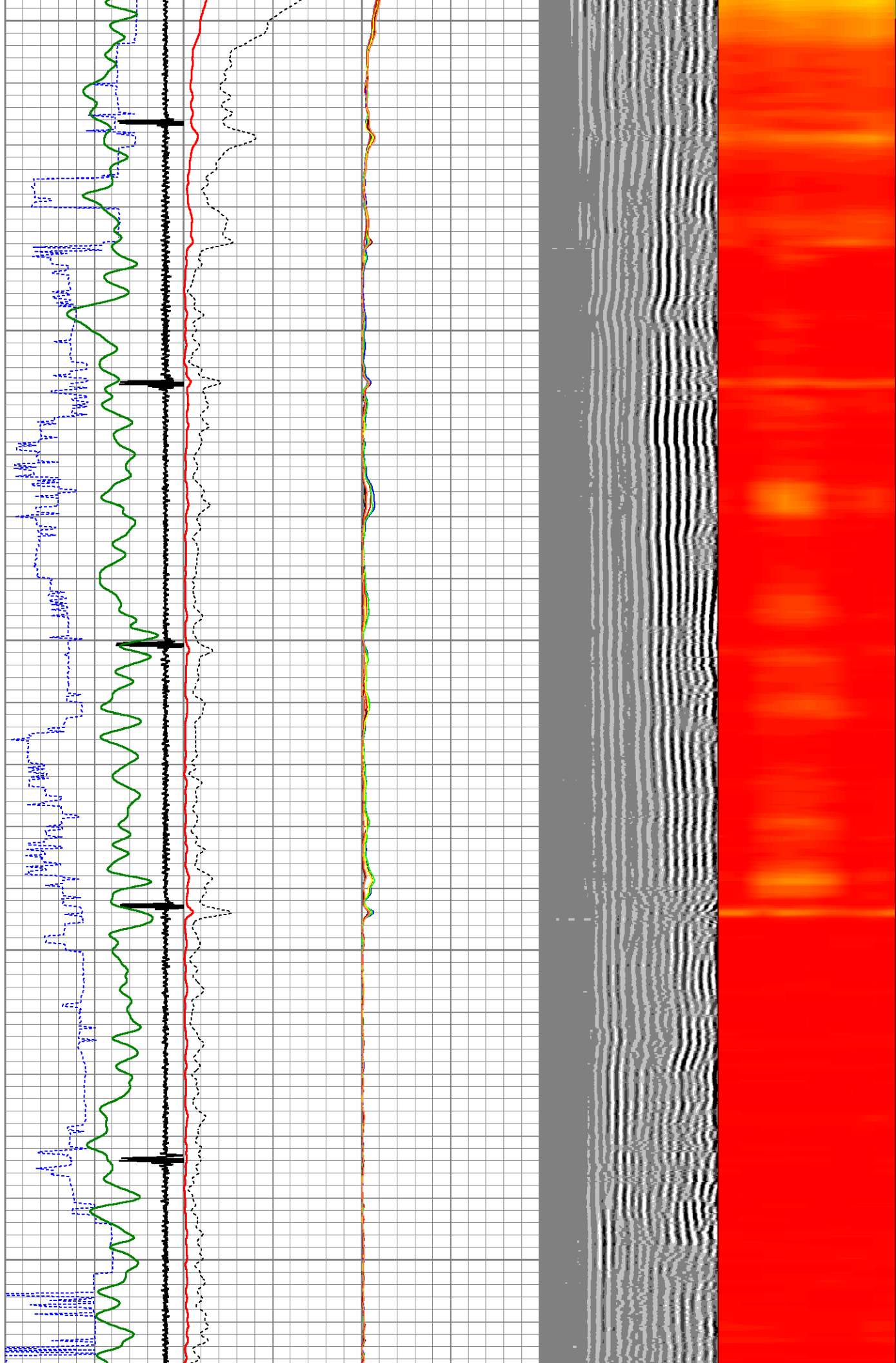
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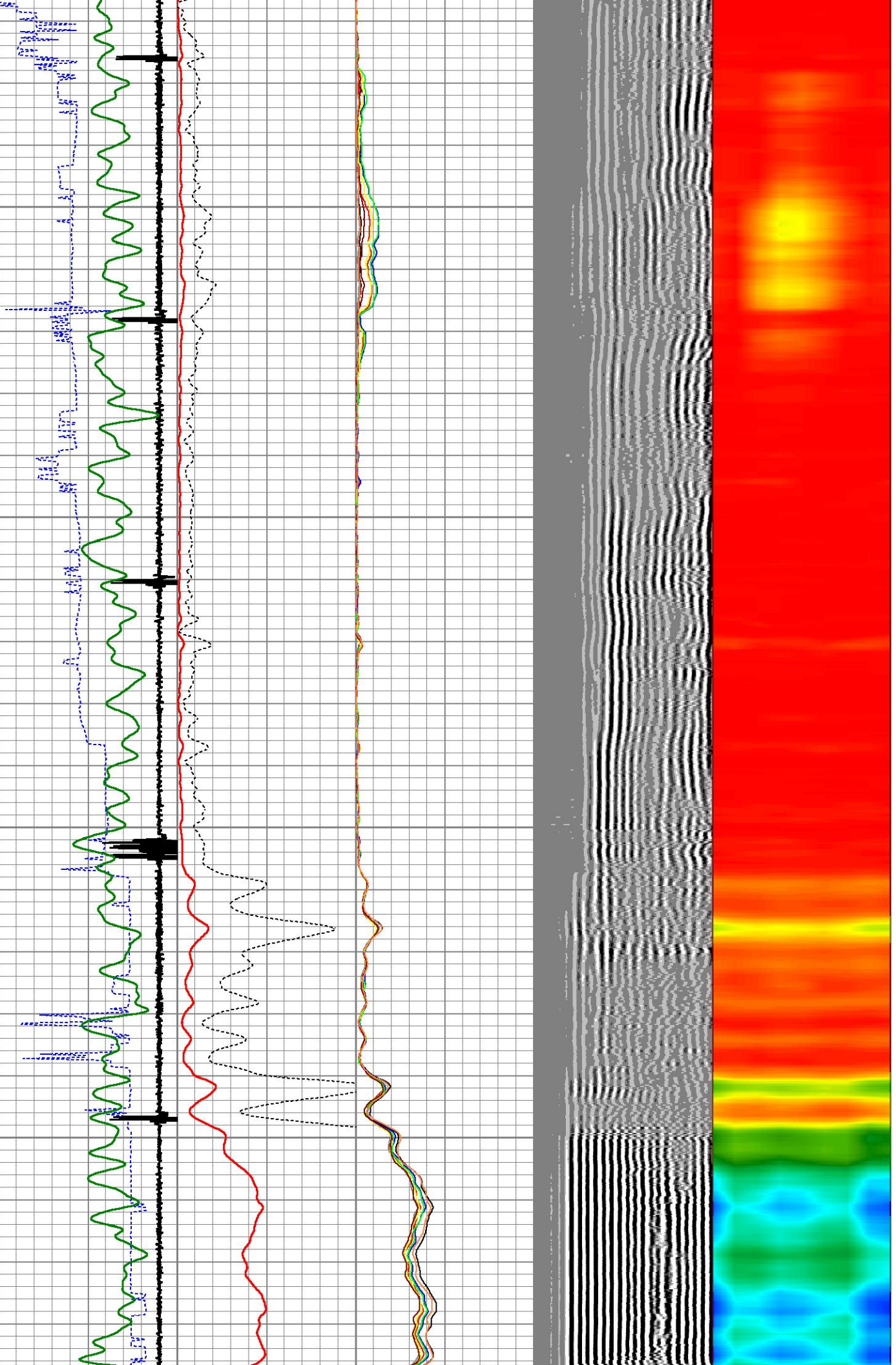


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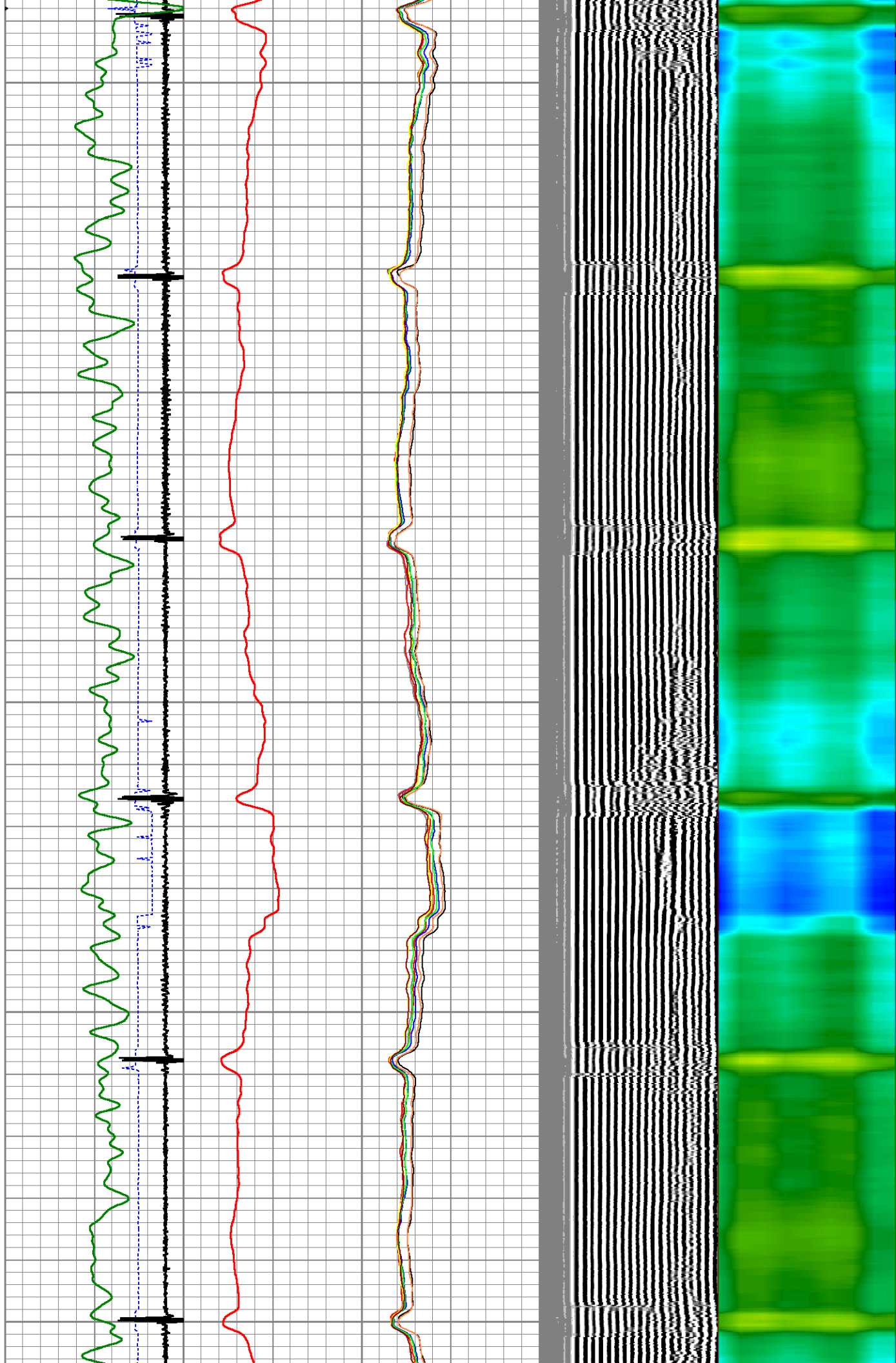
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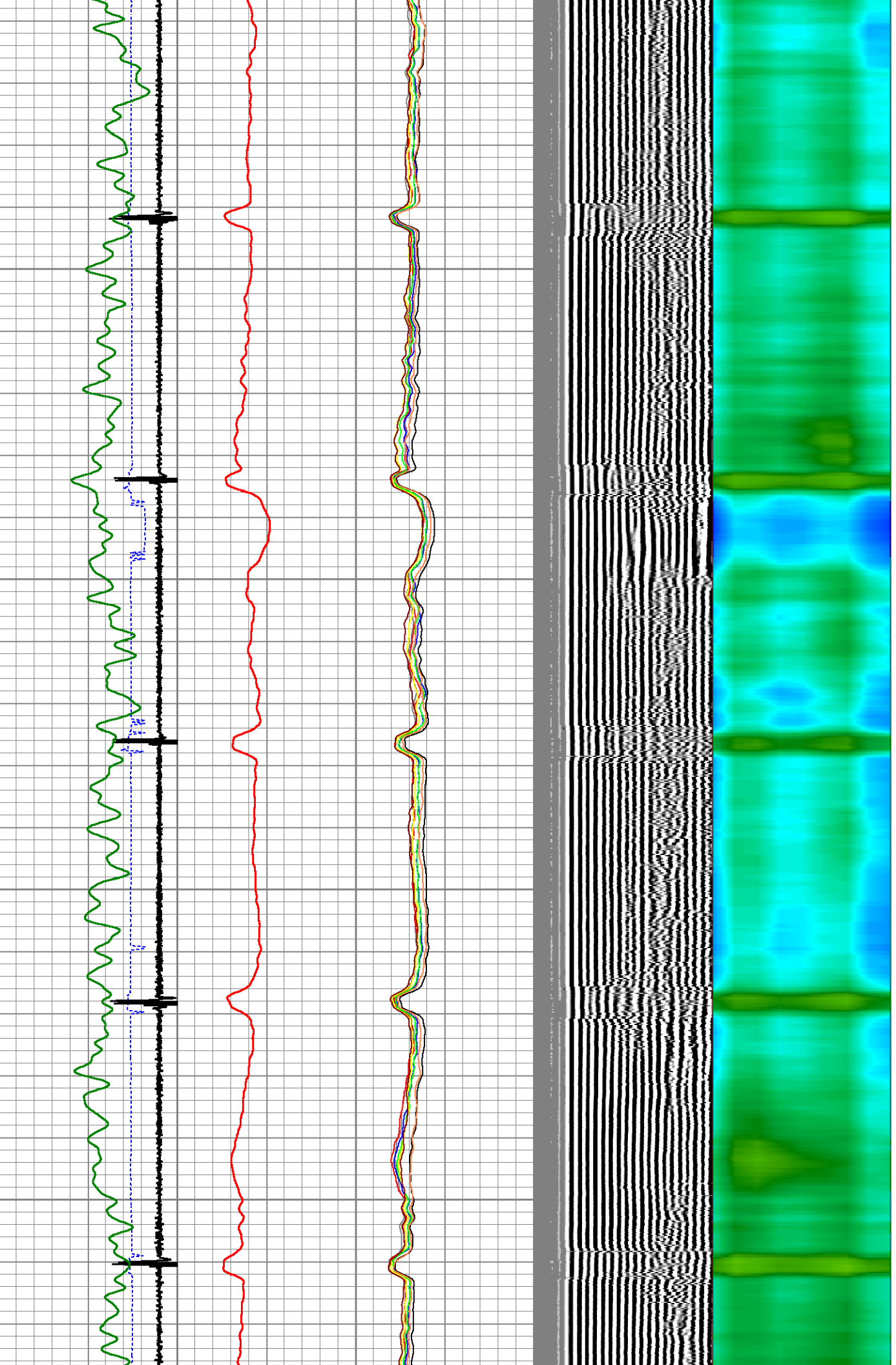


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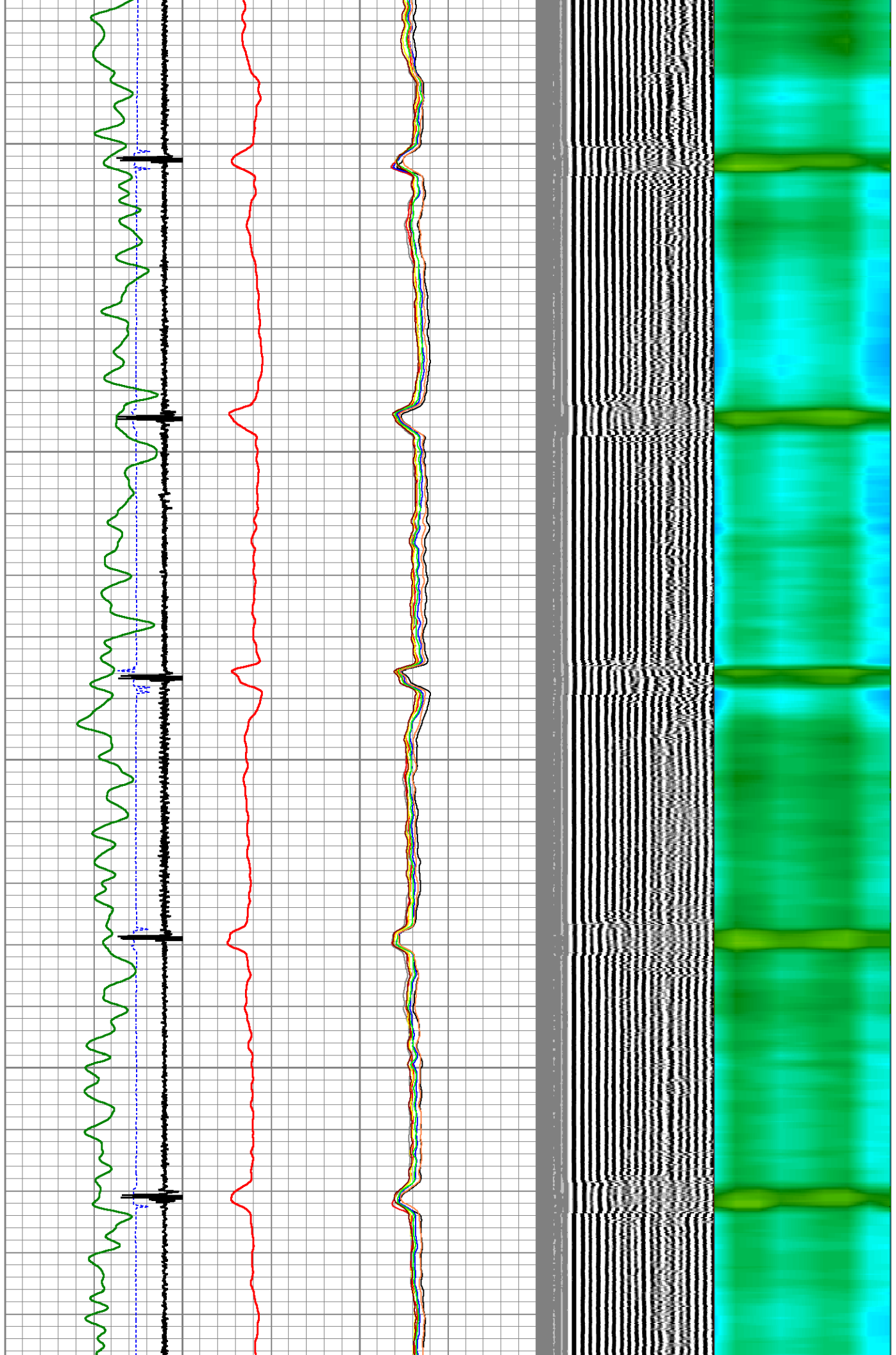


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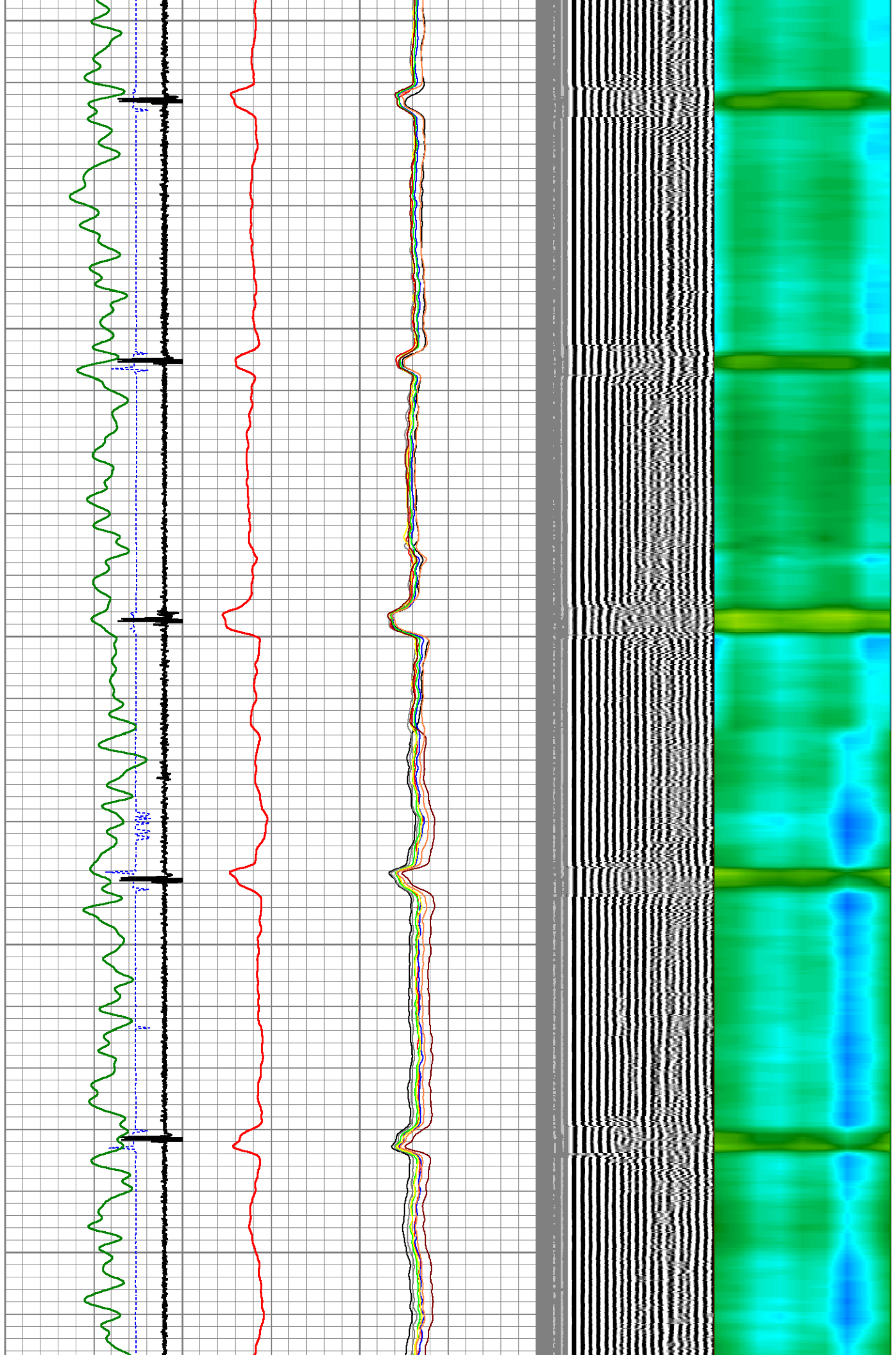
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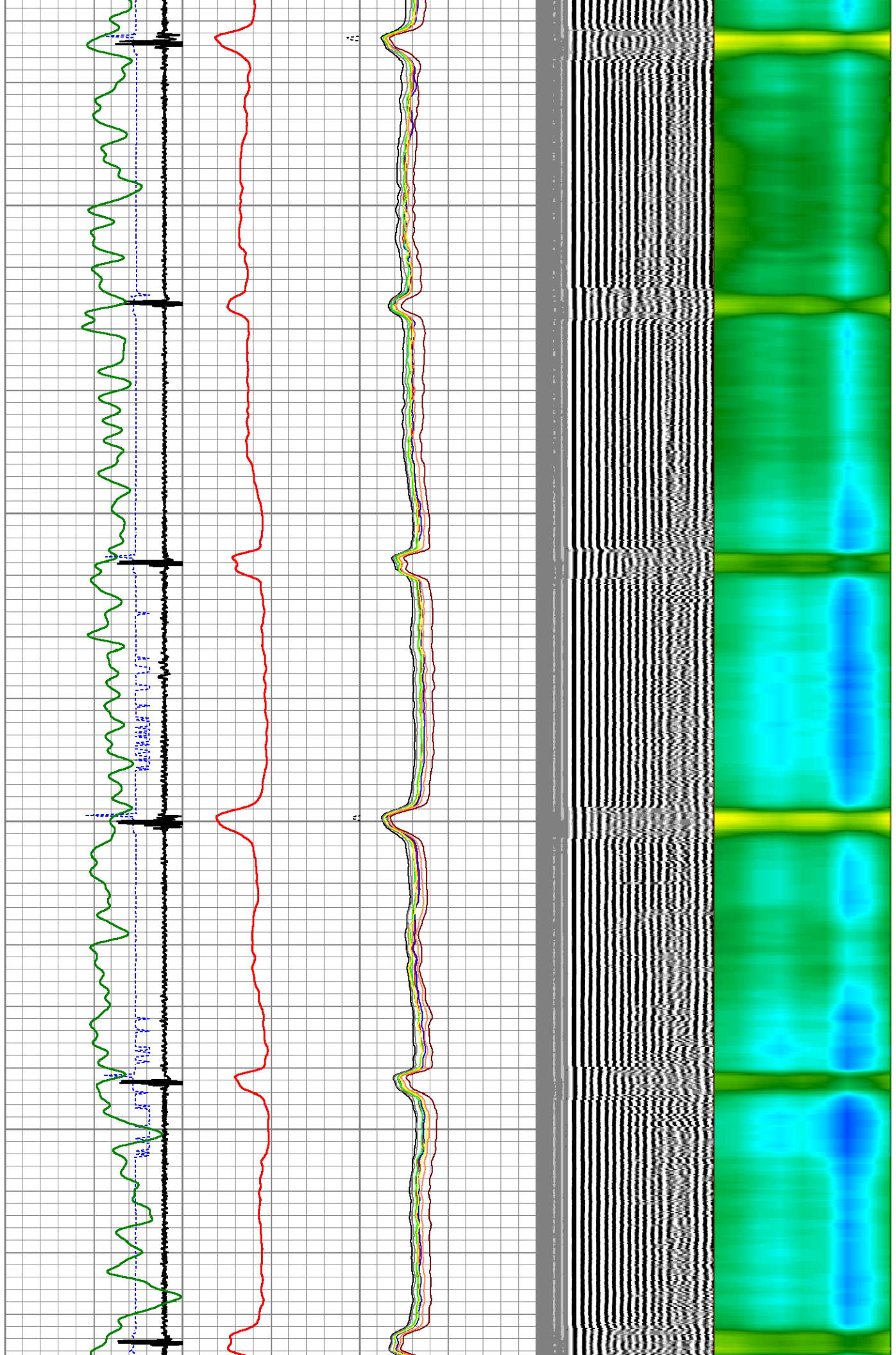


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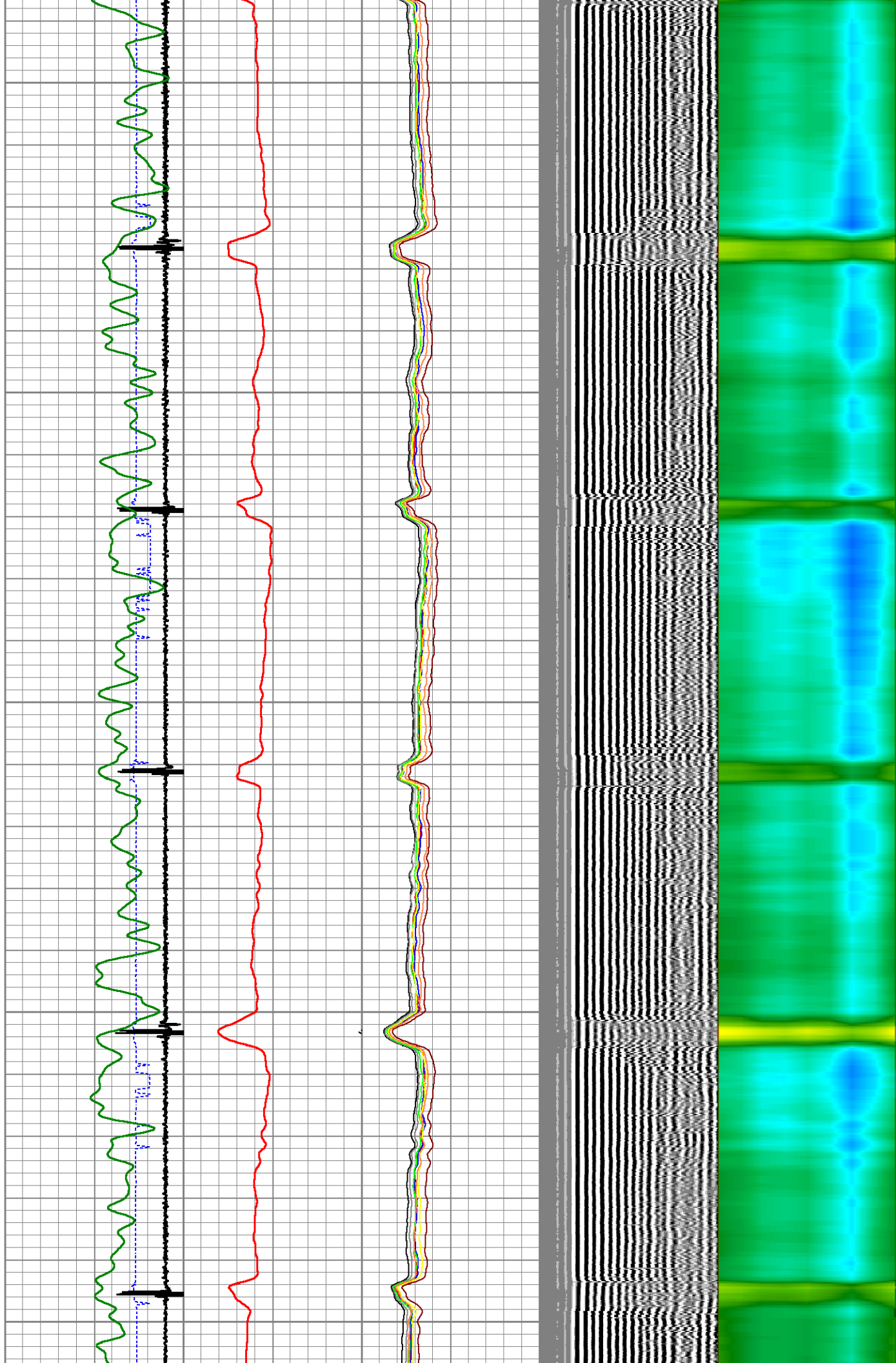
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6700

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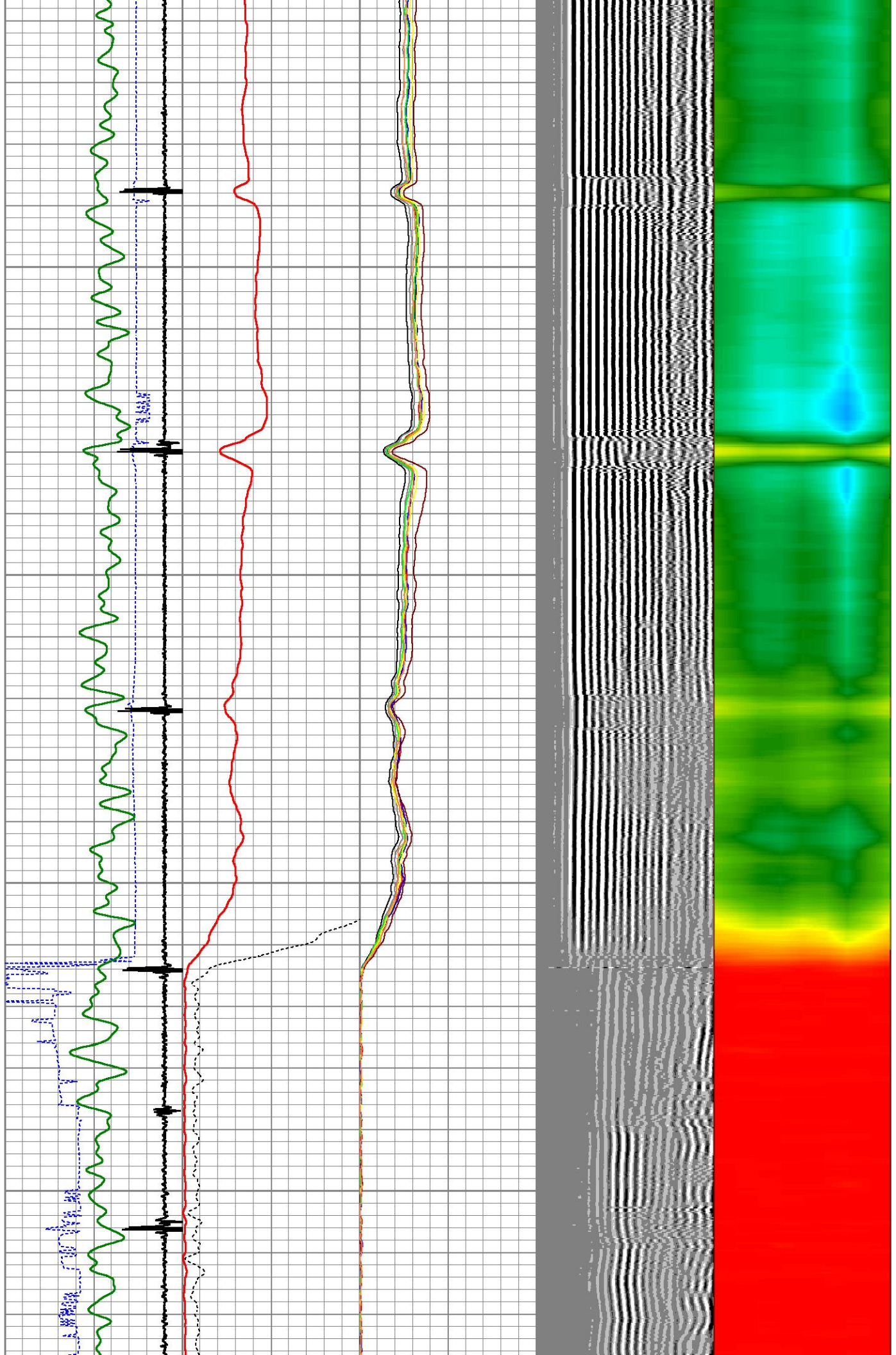


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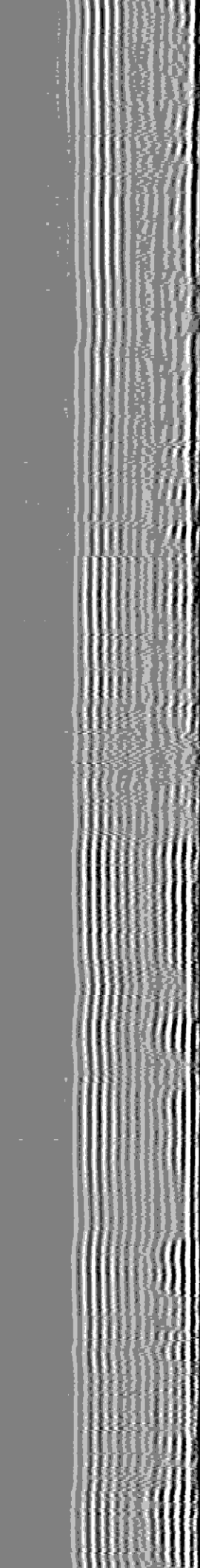
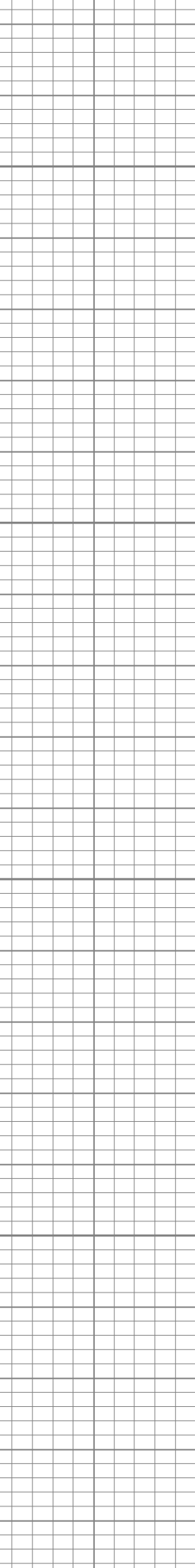
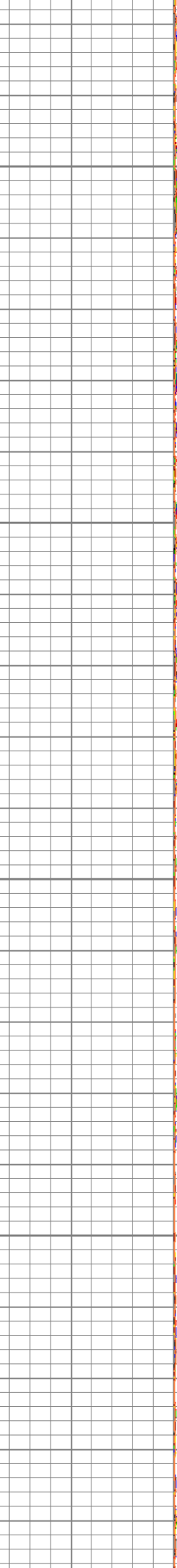
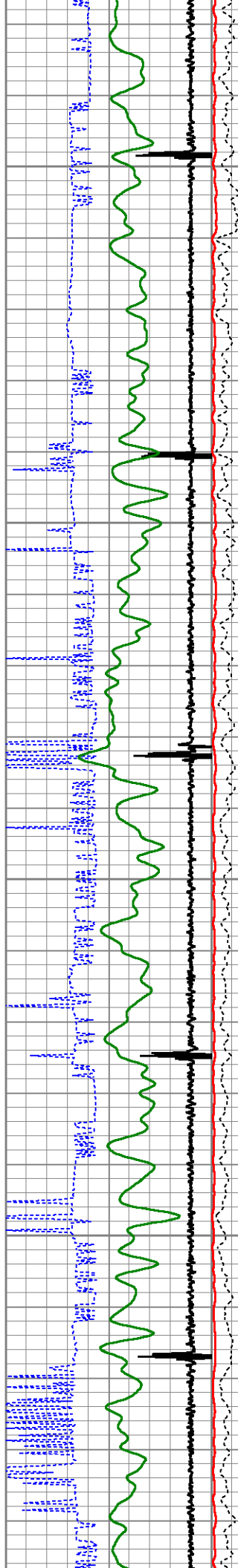


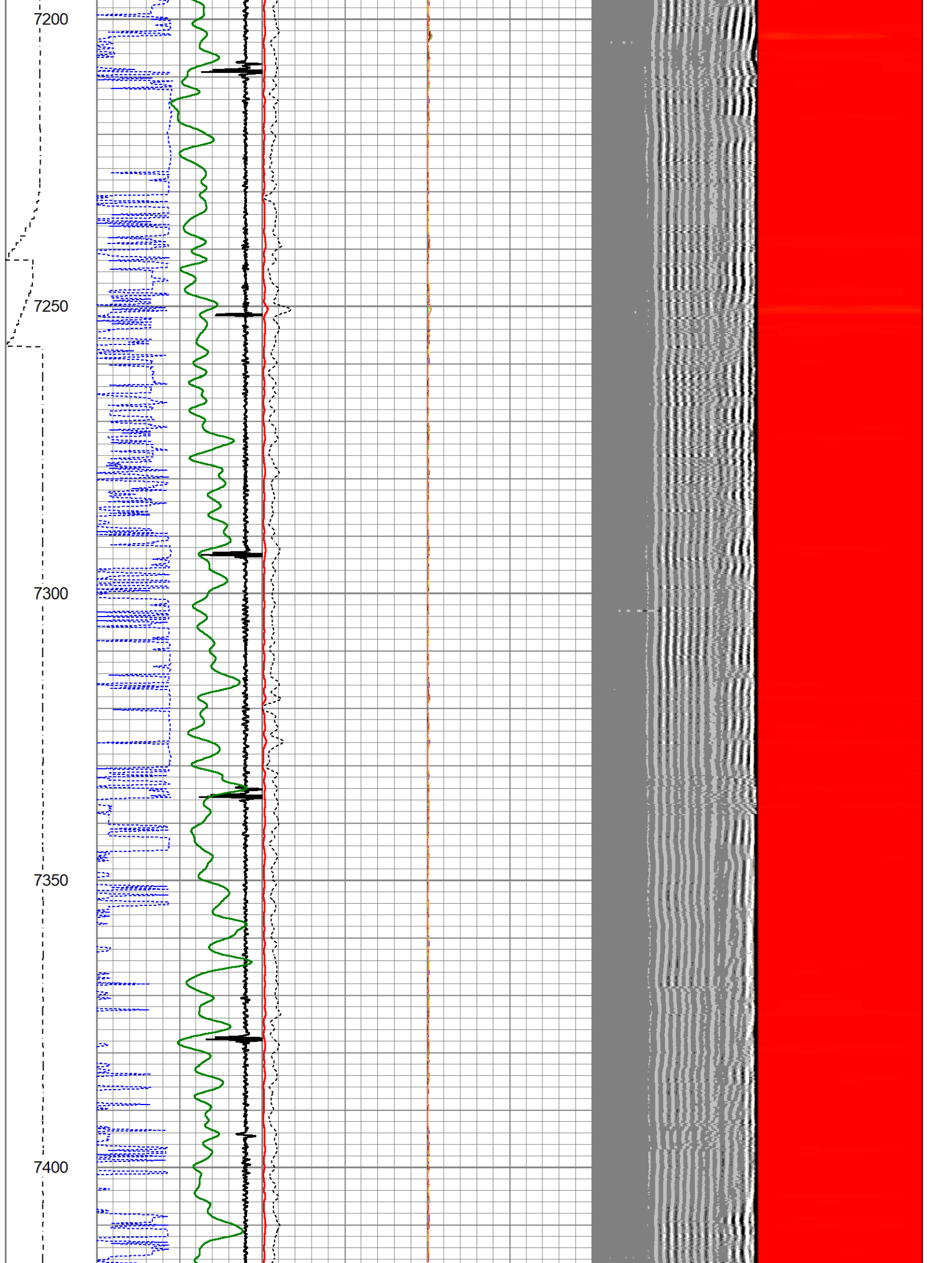
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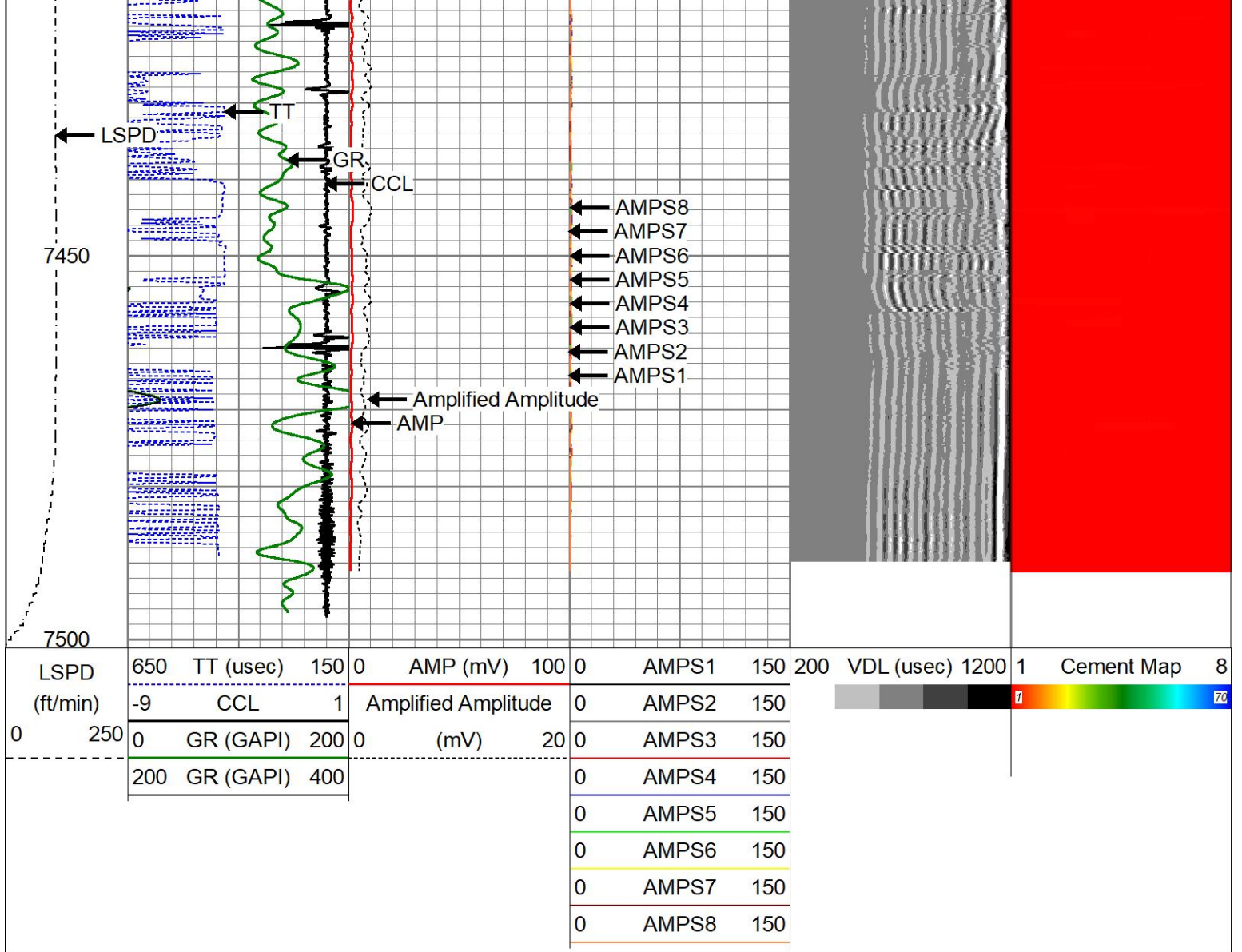
7050

7100

7150







### Calibration Report

Database File miller 33-17j rbl .db  
 Dataset Pathname merge1  
 Dataset Creation Mon Feb 17 12:48:19 2025

### Gamma Ray Calibration Report

Serial Number: 27GRL10-XXXX  
 Tool Model: 27GRL10  
 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: Greeley Ext Temp  
 Tool Model: 27SBT10

Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 1937.587 ft

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.001	0.991	0.800	81.196	81.018	0.897
CAL	-0.001	2.056				
5'	-0.001	0.903	0.800	81.196	88.919	0.894
SUM						
S1	-0.001	0.981	0.000	81.196	82.700	0.107
S2	-0.001	0.997	0.000	81.196	81.311	0.098
S3	-0.001	0.979	0.000	81.196	82.820	0.101
S4	-0.001	0.987	0.000	81.196	82.155	0.084
S5	-0.001	1.066	0.000	81.196	76.051	0.089
S6	-0.001	1.125	0.000	81.196	72.125	0.082
S7	-0.001	1.105	0.000	81.196	73.398	0.082
S8	-0.001	1.047	0.000	81.196	77.485	0.088

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.001	2.056	1.000	0.000

Air Zero Calibration, performed Fri Jun 21 08:12:39 2024:

	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	



Company	CIVITAS RESOURCES	
Well	MILLER 33-17J	
Field	WATTENBERG	
County	WELD	
State	COLORADO	Country U.S.A.