



# VDL CCL GAMMA-RAY RADIAL BOND LOG

Pioneer Energy Services

Company ENCANA OIL & GAS (USA) INC.  
Well IONE 1C-8H  
Field WATTENBERG  
County WELD State COLORADO

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County WELD  
State COLORADO

Location: API # : 05123358800000  
SHL 228' FNL & 1246' FEL  
BHL 460' FSL & 1250' FEL  
SEC 8 TWP 2N RGE 66W  
Permanent Datum GL Elevation 4904'  
Log Measured From KB  
Drilling Measured From KB  
Other Services  
K.B. 4917'  
D.F. 4916'  
G.L. 4904'

Date 11/2/12

Run Number ONE  
Depth Driller 11921 (EST.)  
Depth Logger 7630'  
Bottom Logged Interval 7614'  
Top Log Interval 30'  
Open Hole Size 8.75"  
Type Fluid WATER  
Density / Viscosity NA  
Max. Recorded Temp. NA  
Estimated Cement Top NA  
Time Well Ready NA  
Time Logger on Bottom NA  
Equipment Number 9605  
Location FT MORGAN  
Recorded By TODD YOUNG  
Witnessed By CODY HUSEBY

Borehole Record  
Run Number Bit From To Size Weight From To

Casing Record  
Surface String Size Wgt/Ft Top Bottom  
Prot. String 7" 26# SURFACE 7649'  
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

SO # 2-203404

THANK YOU FOR USING  
PIONEER ENERGY SERVICES

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

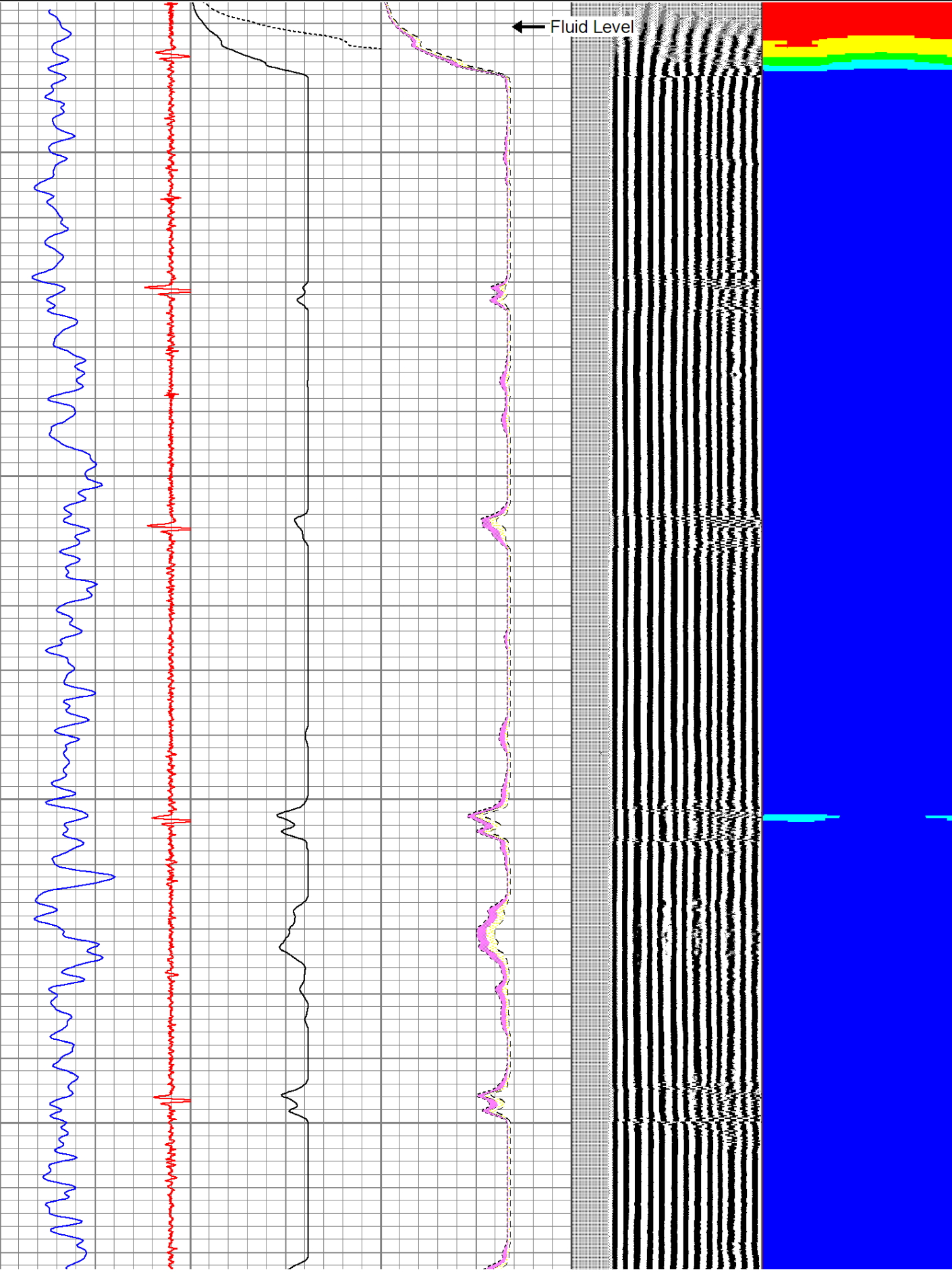
			PTS275	2.83	2.75	
WVF3FT	11.50					
WVFCAL	11.50					
WVFS1	11.50					
WVFS2	11.50					
WVFS3	11.50					
WVFS4	11.50					
WVFS5	11.50					
WVFS6	11.50					
WVFS7	11.50					
WVFS8	11.50					
WVF5FT	10.42					
			RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
			PTS275	2.83	2.75	
CCL	3.64					
			GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.33	2.75	30.00
GR	0.90					
Dataset: ione 1c-8h.db: field/well/run1/pass4 Total Length: 18.92 ft Total Weight: 120.00 lb O.D. 2.75 in						

-9	CCL	1	0	AMP (mV)	100	0	AMPAVG	150	200	VDL	1200	1	SECTOR MAP	8
0	GR (GAPI)	175	0	AMPx5 (mV)	20	0	AMPMAX	150				25		75
						0	AMPMIN	150						

100

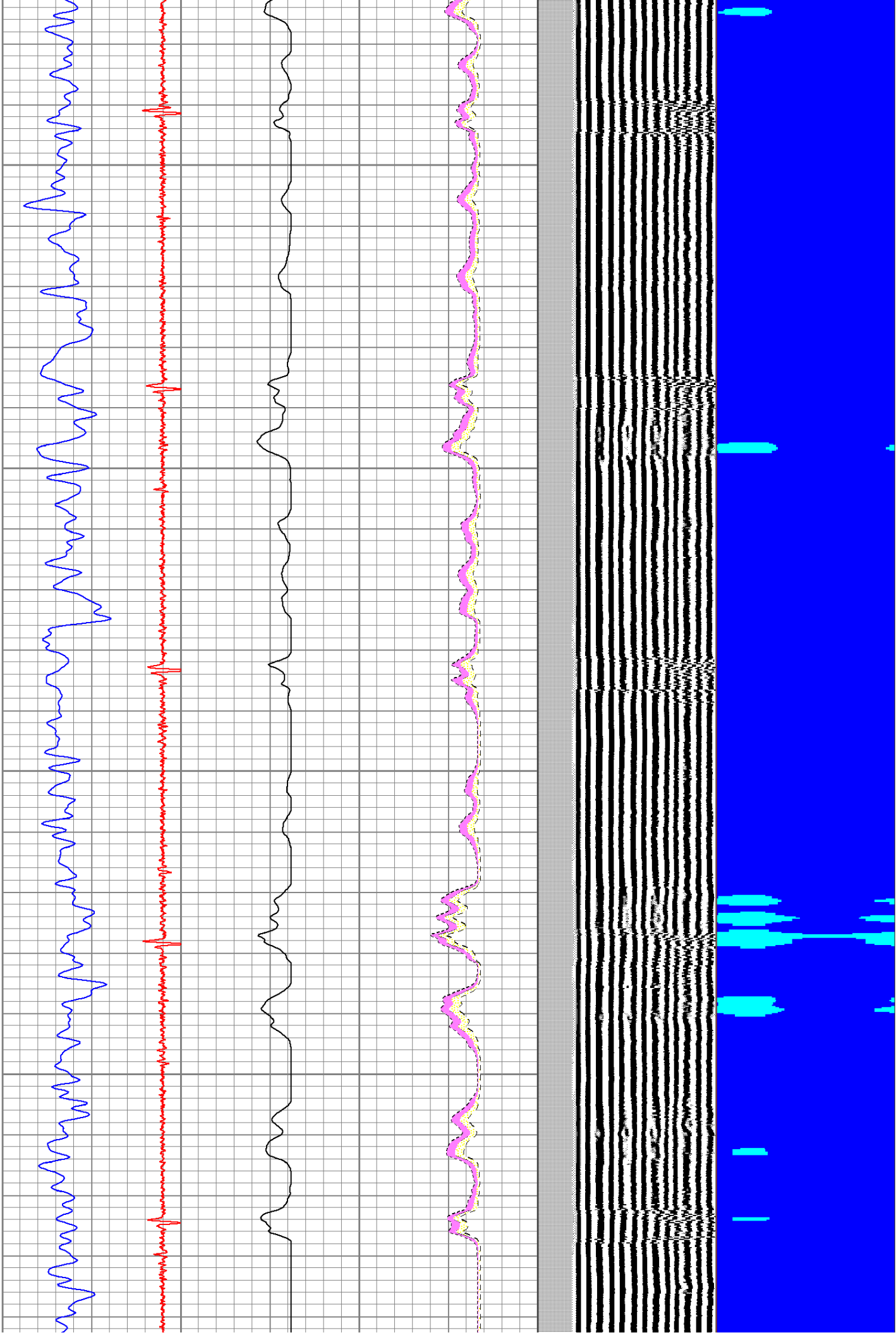
200

Fluid Level



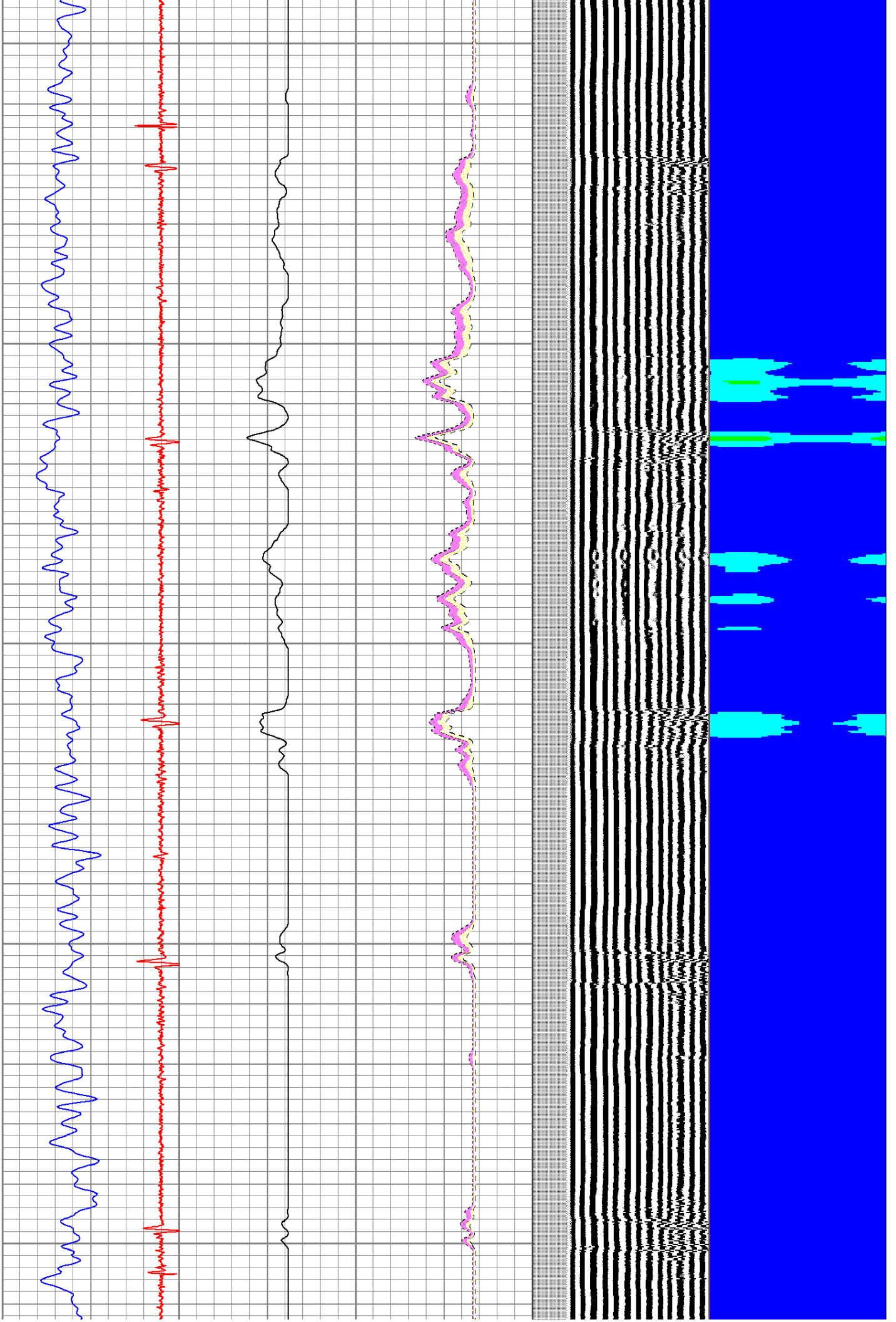
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400

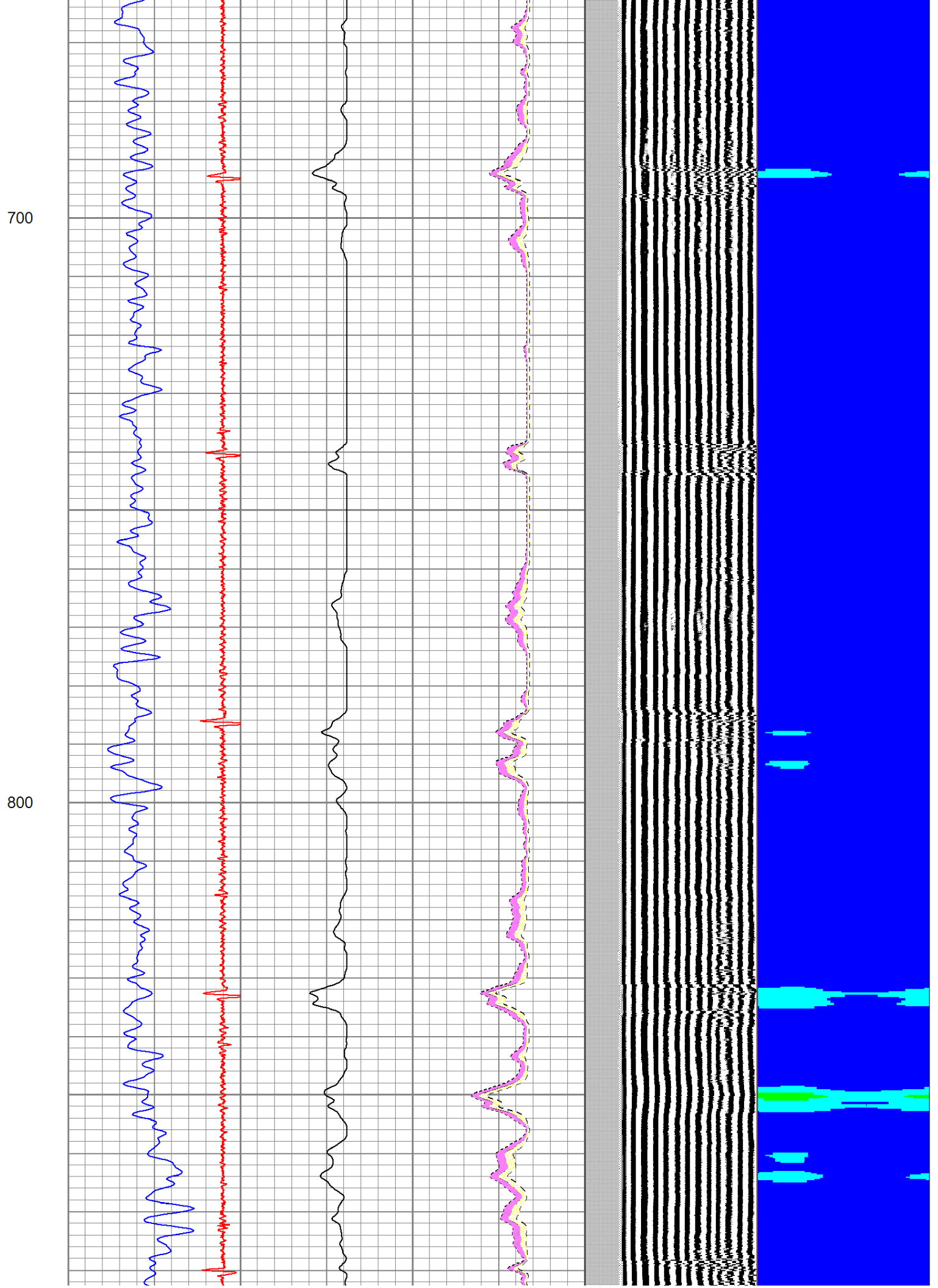


500

600



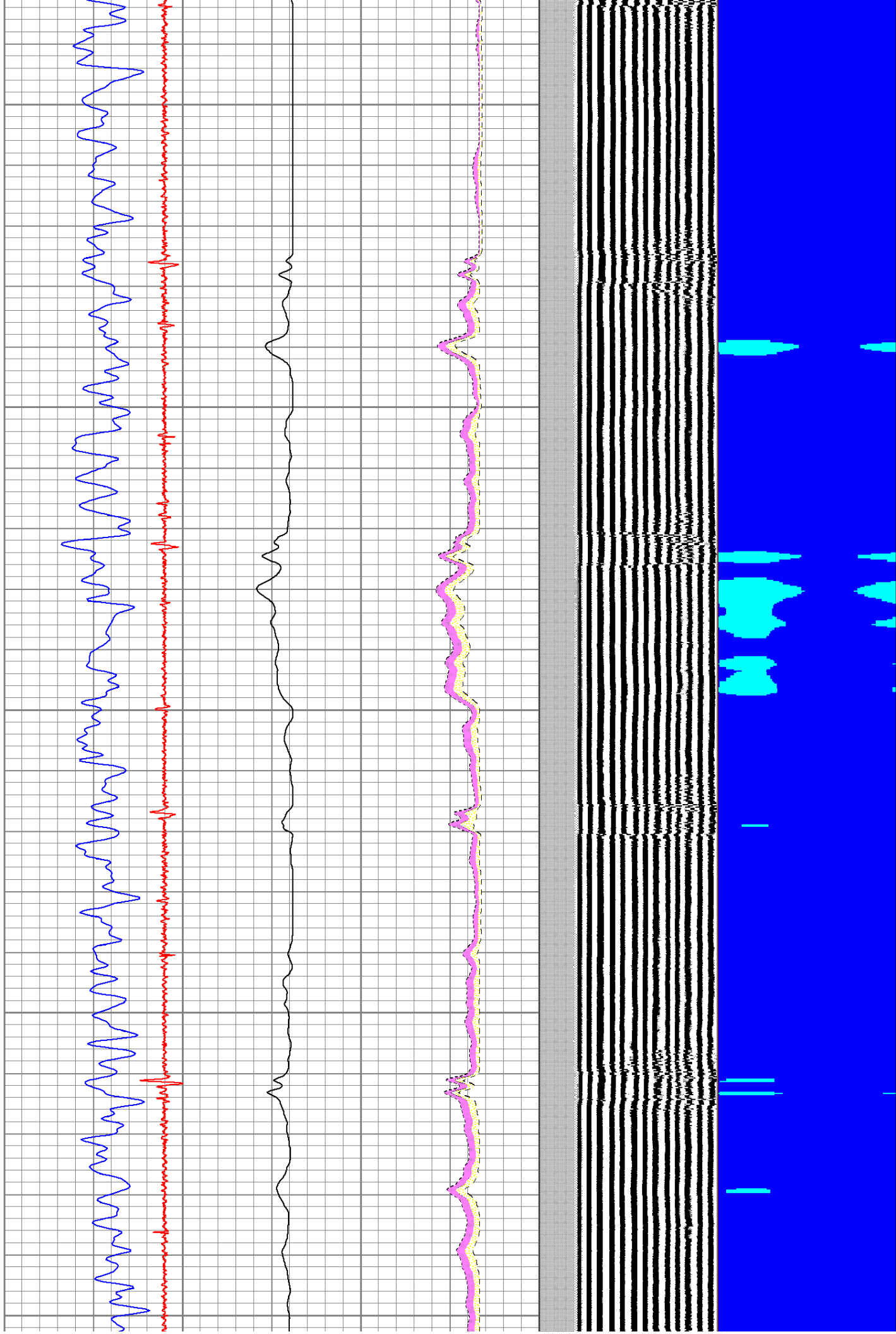




900

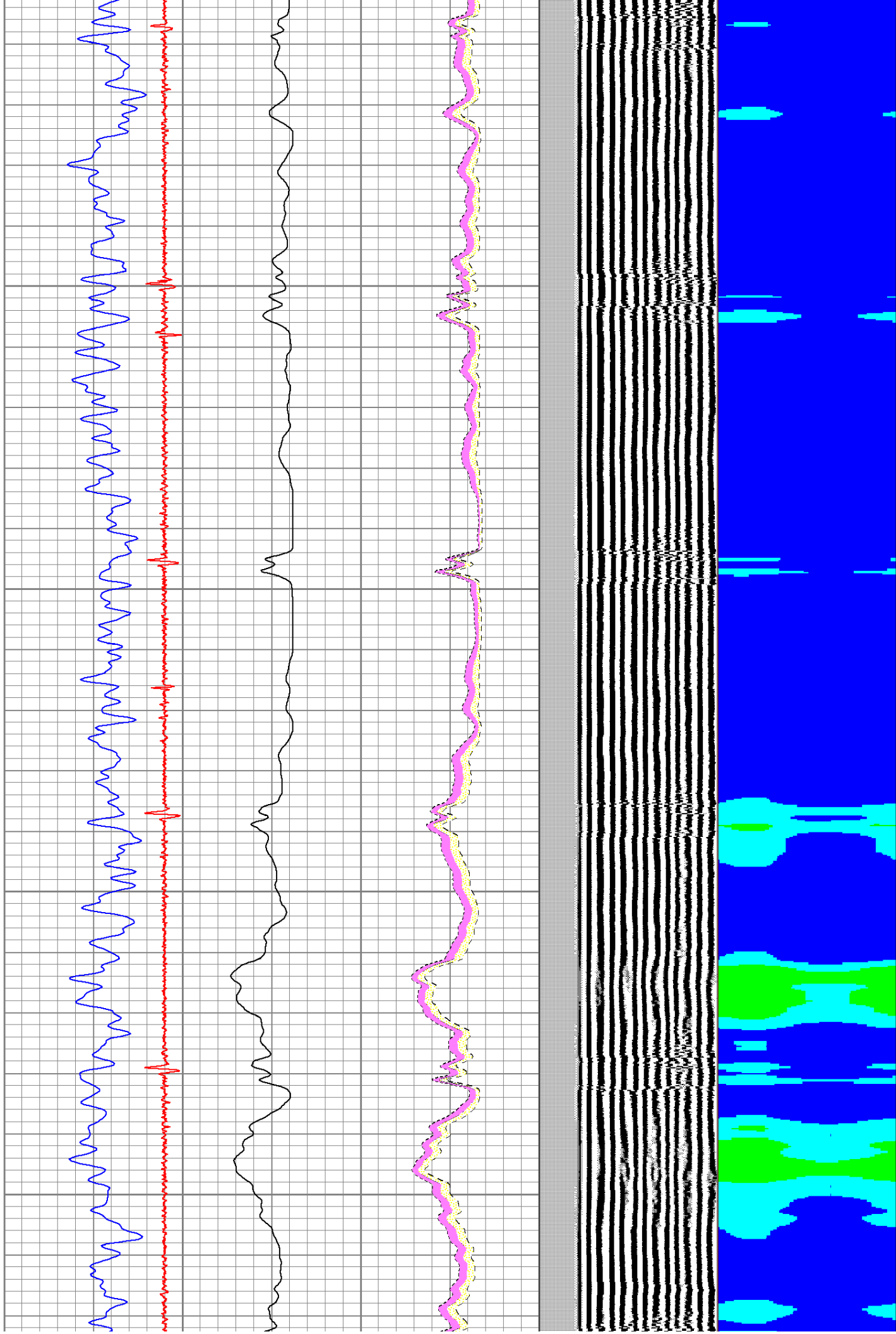
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1100



1200

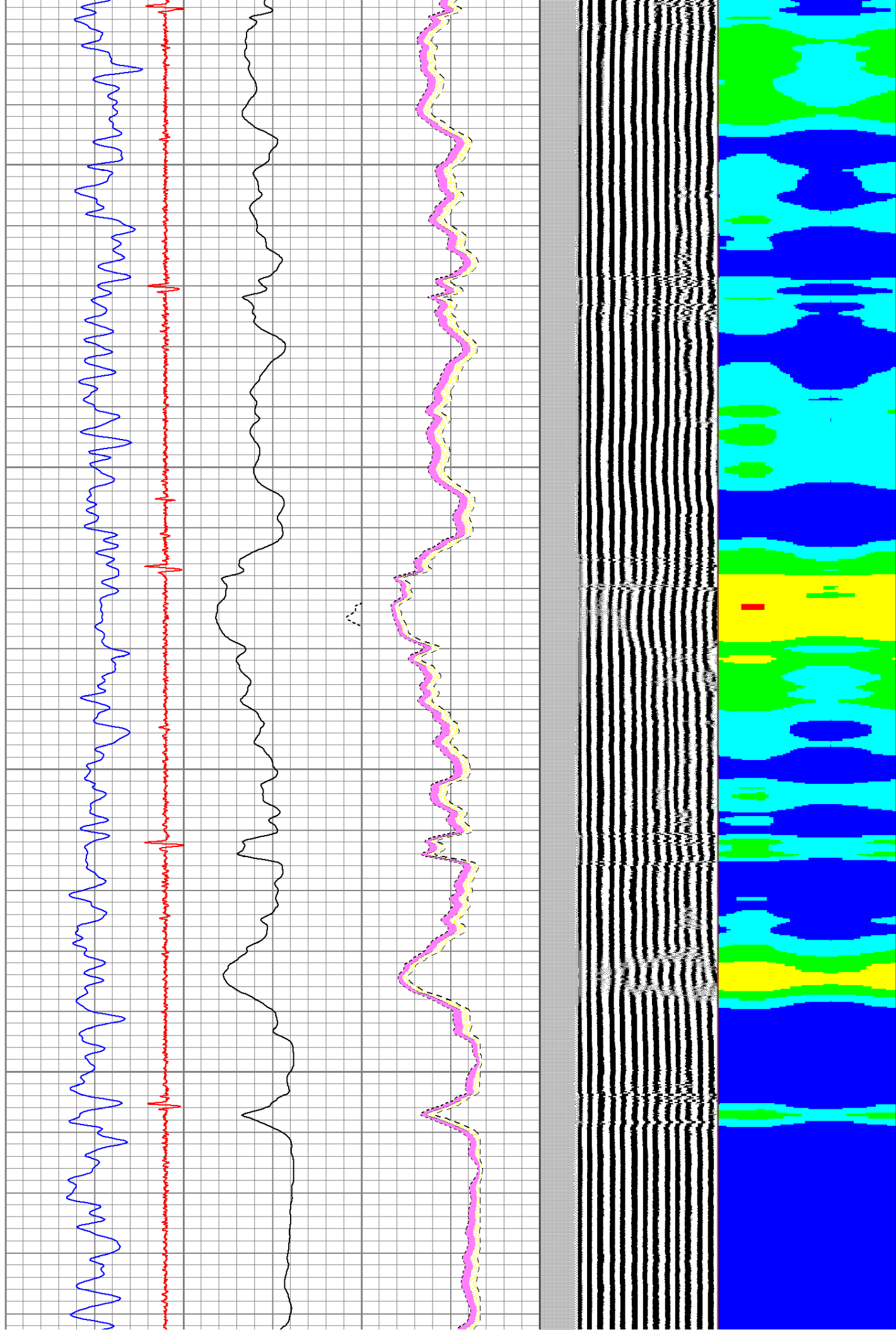
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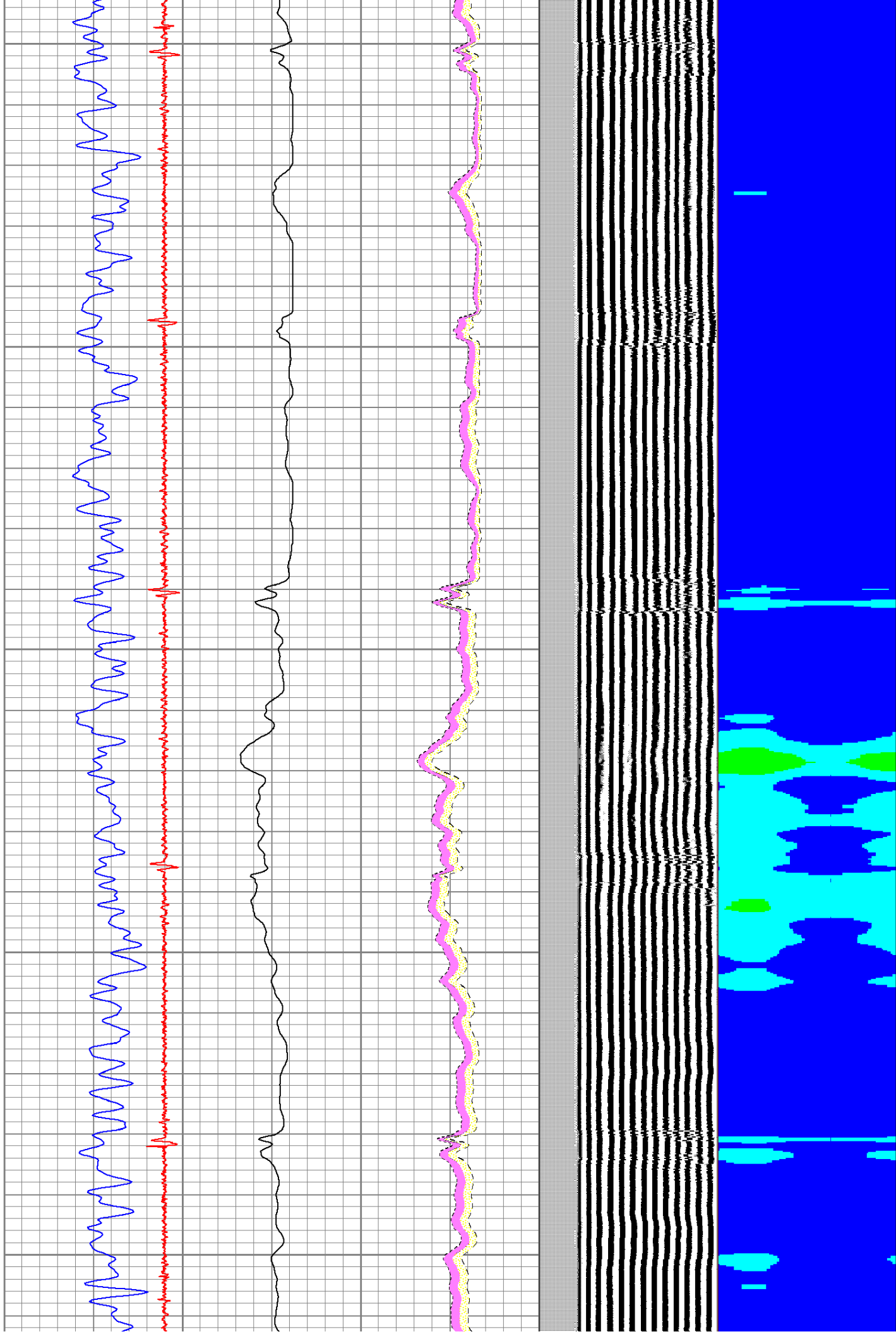
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1500



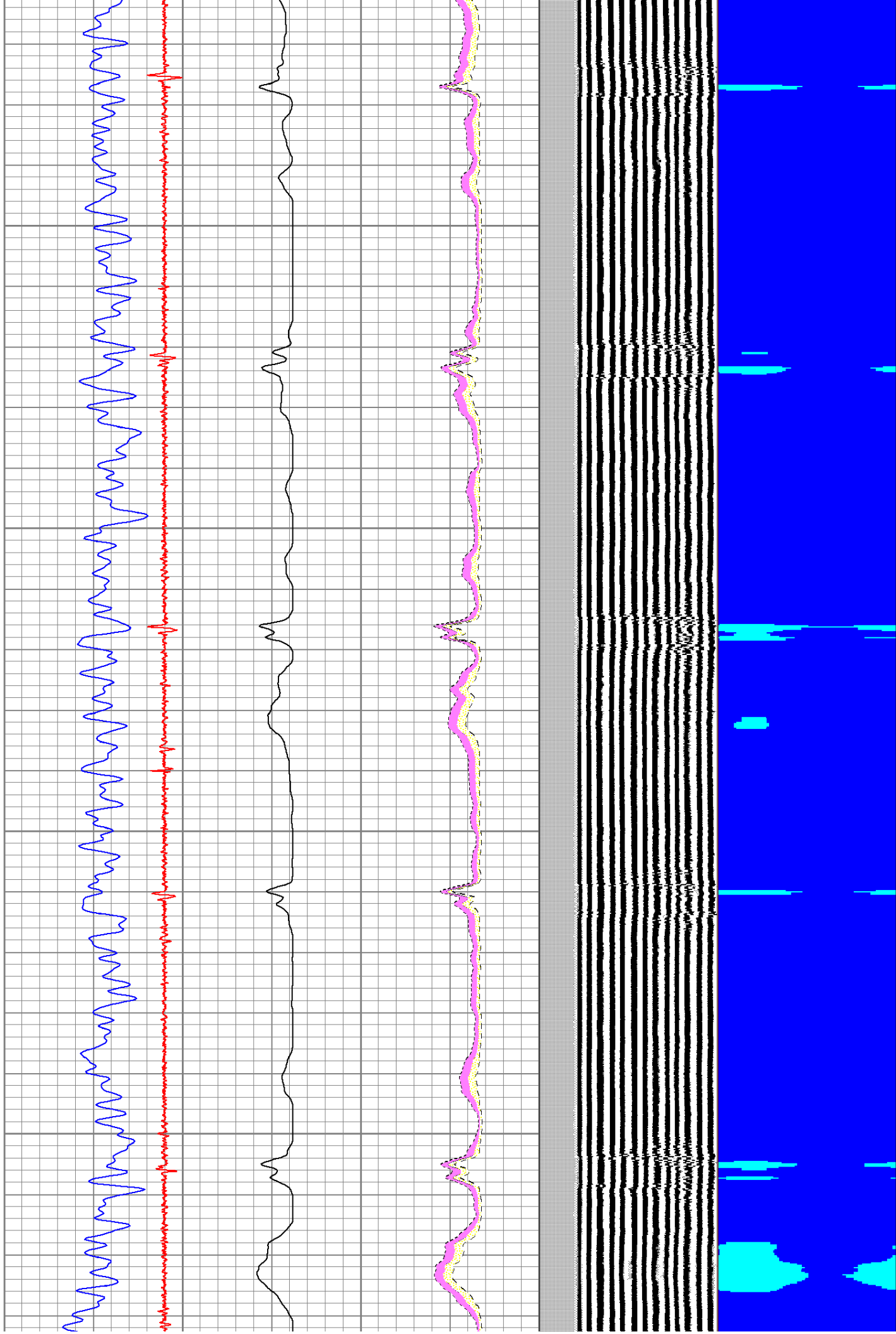
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1700



1800

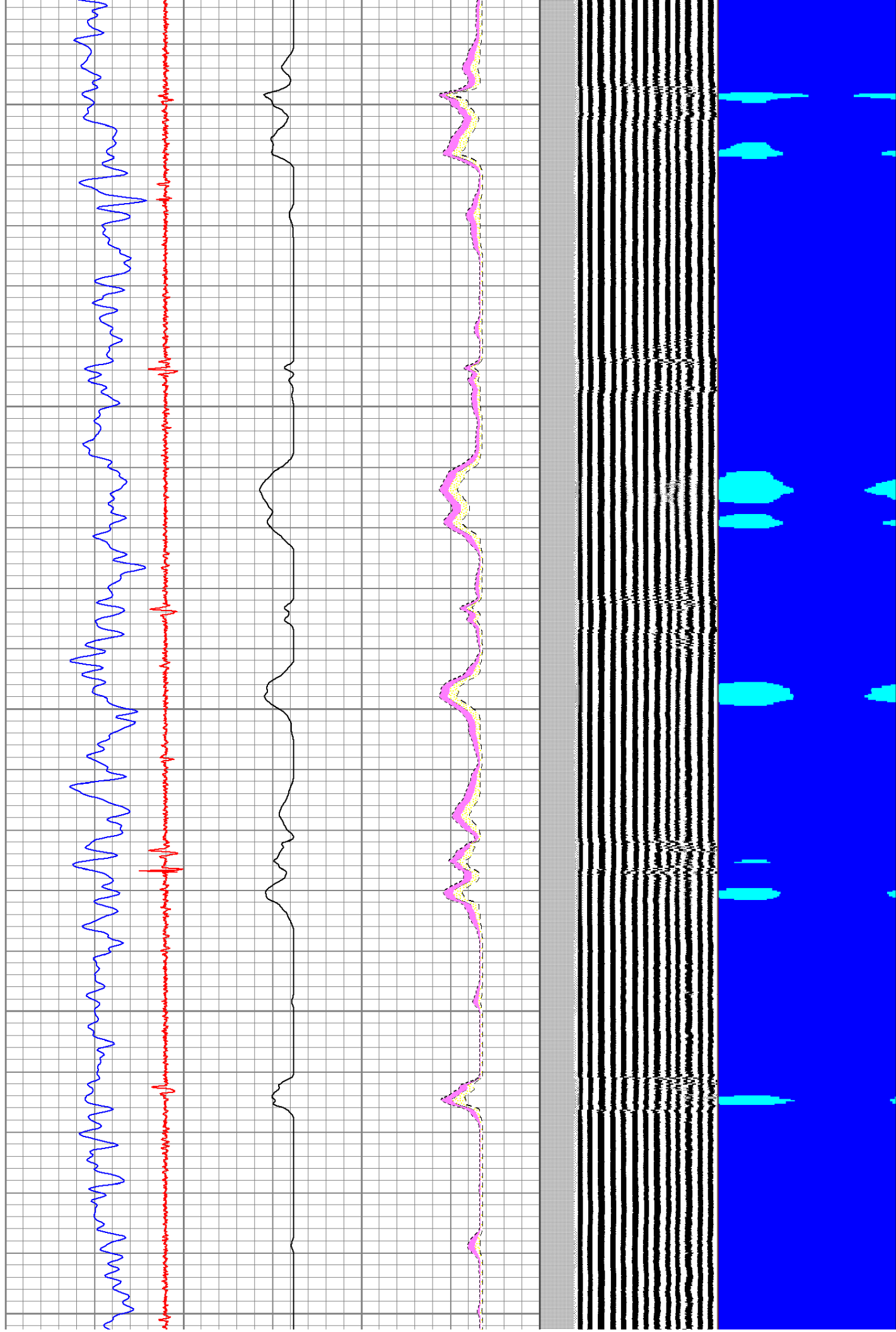
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2000

2100

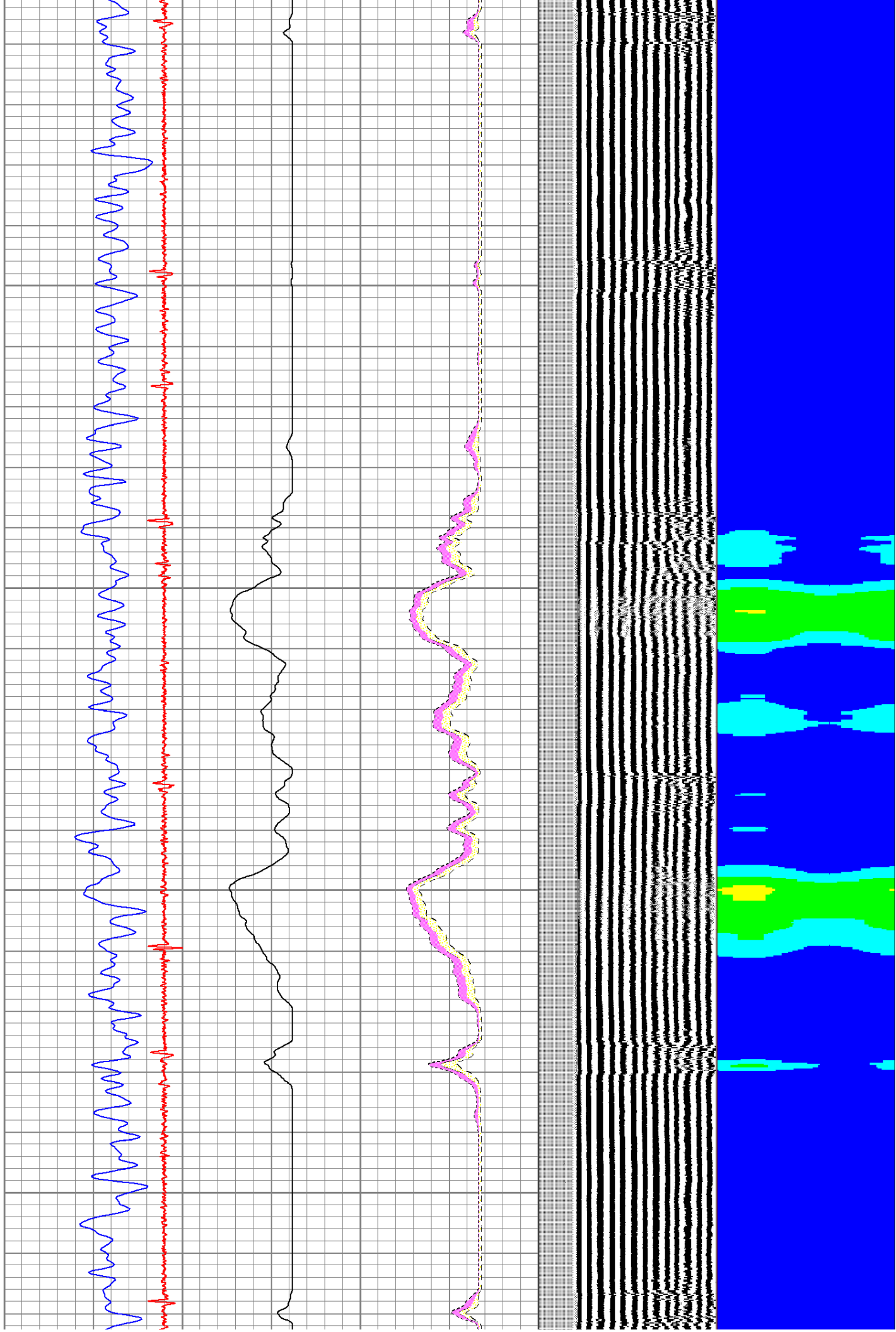
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2300

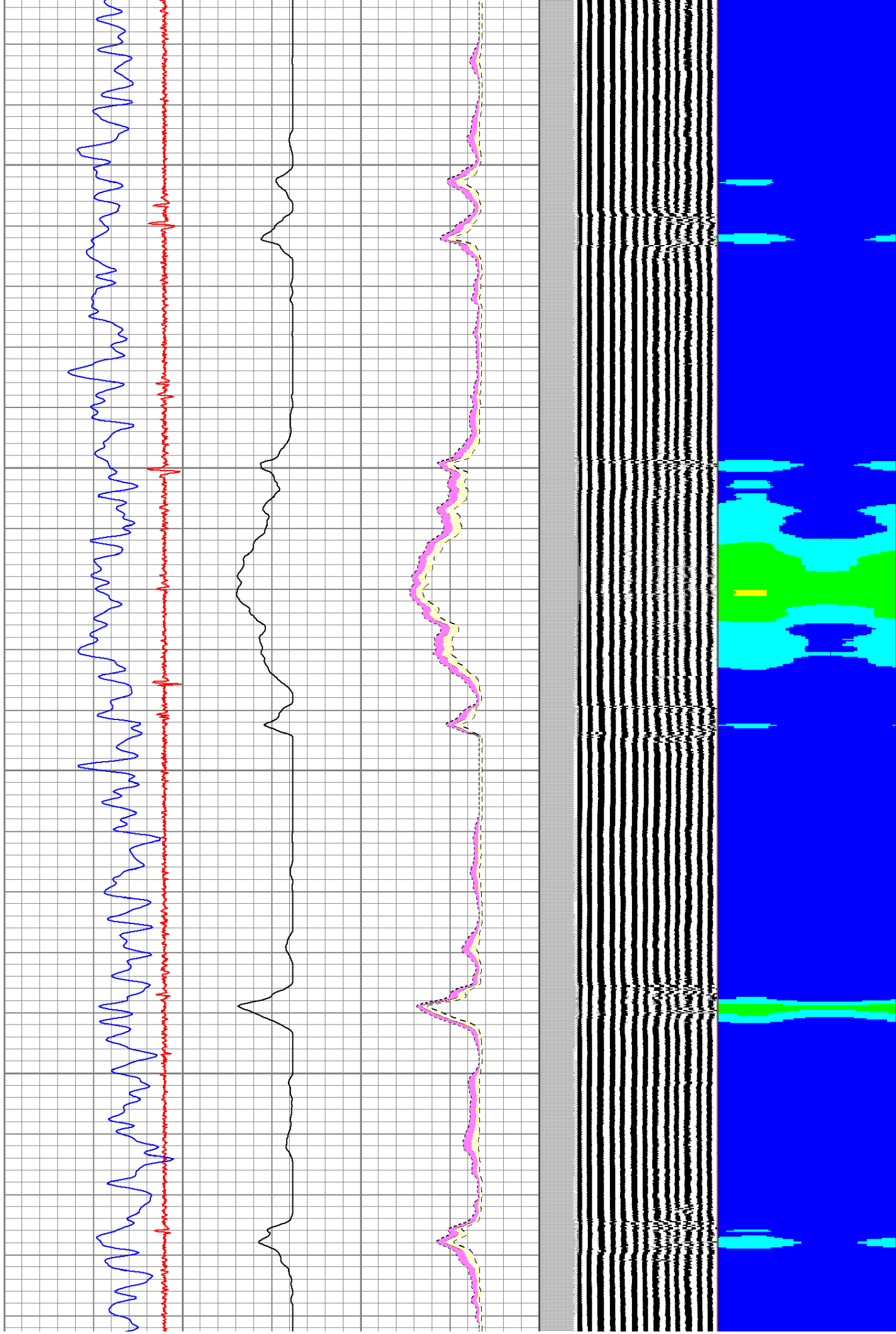
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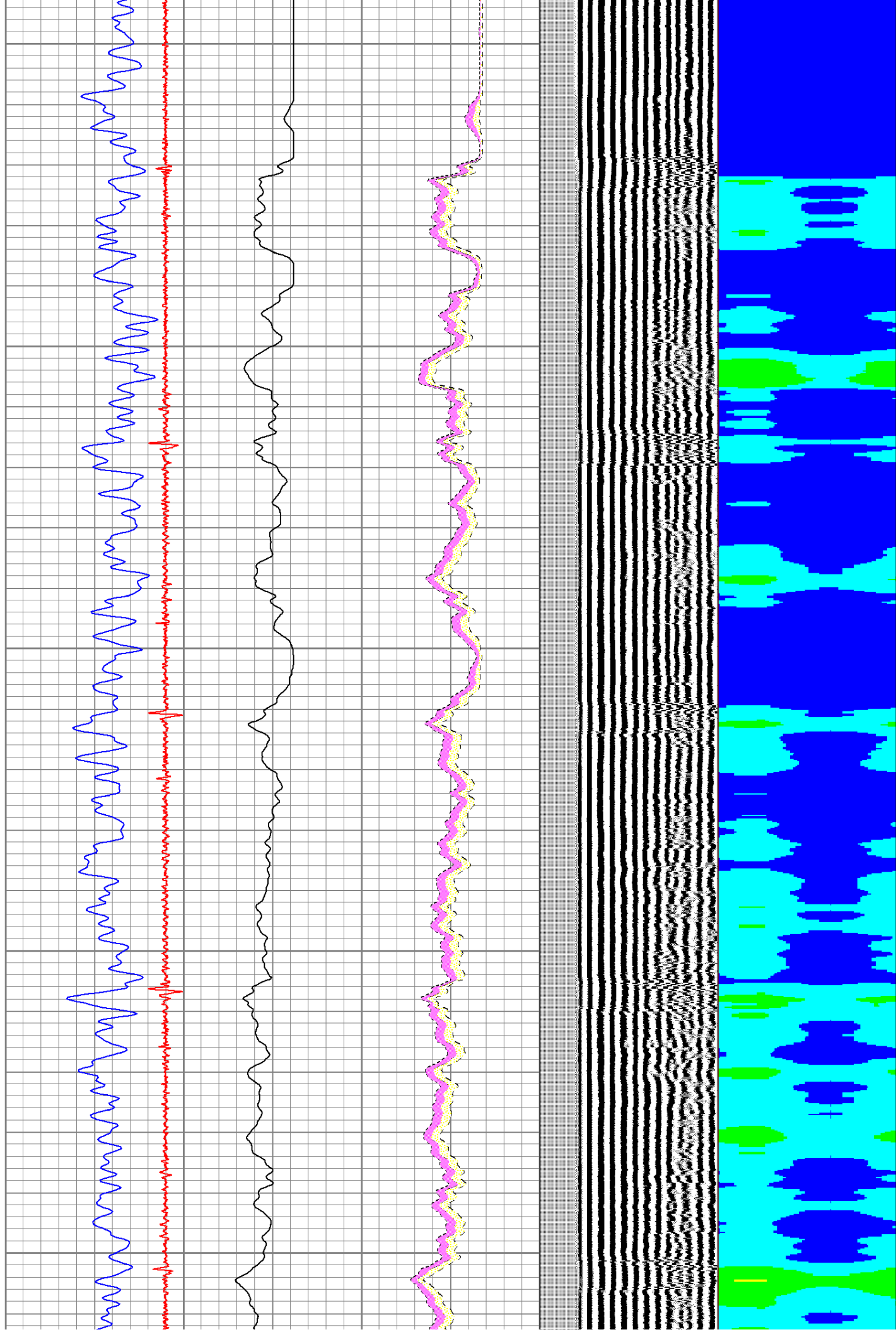
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2600



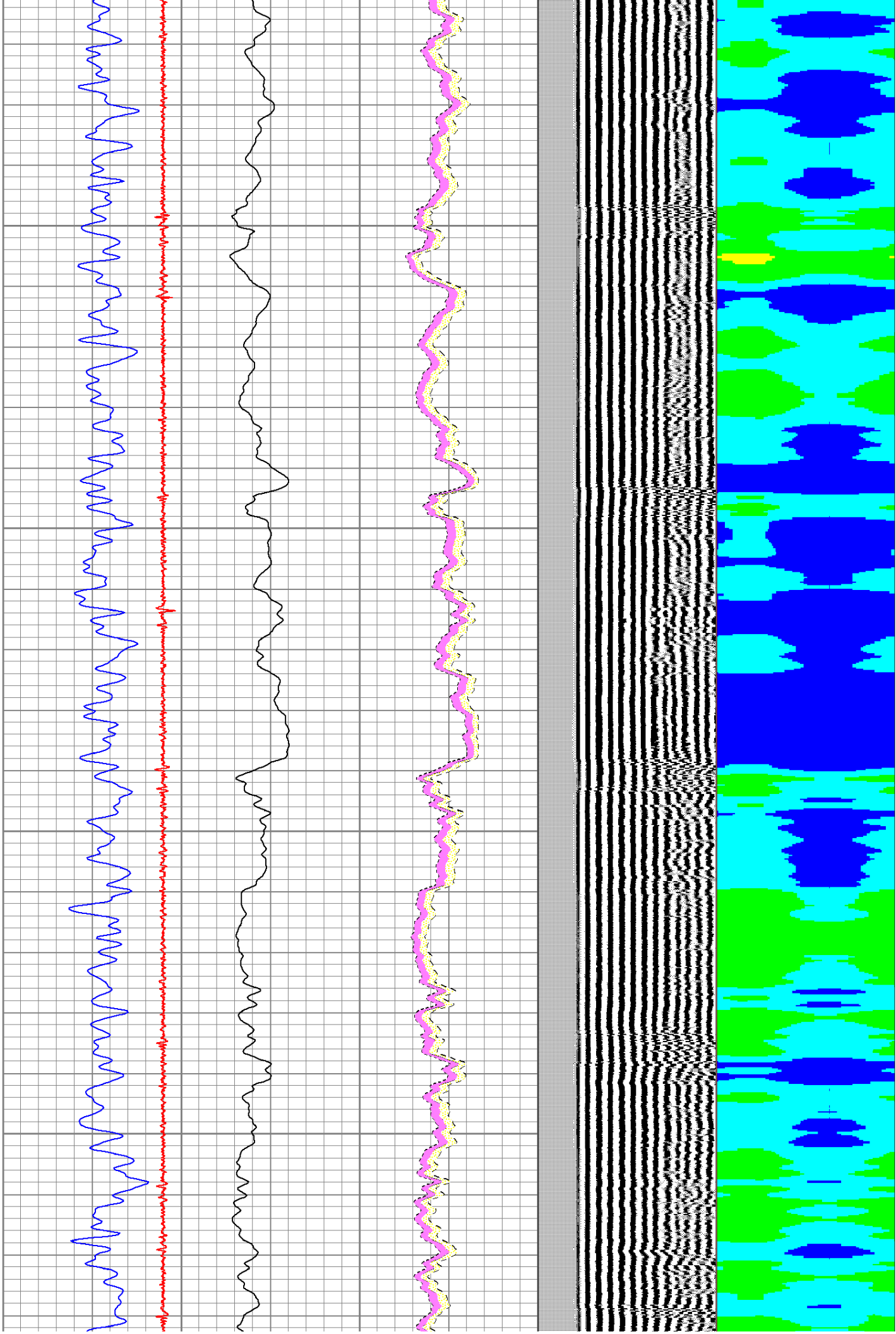
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2900

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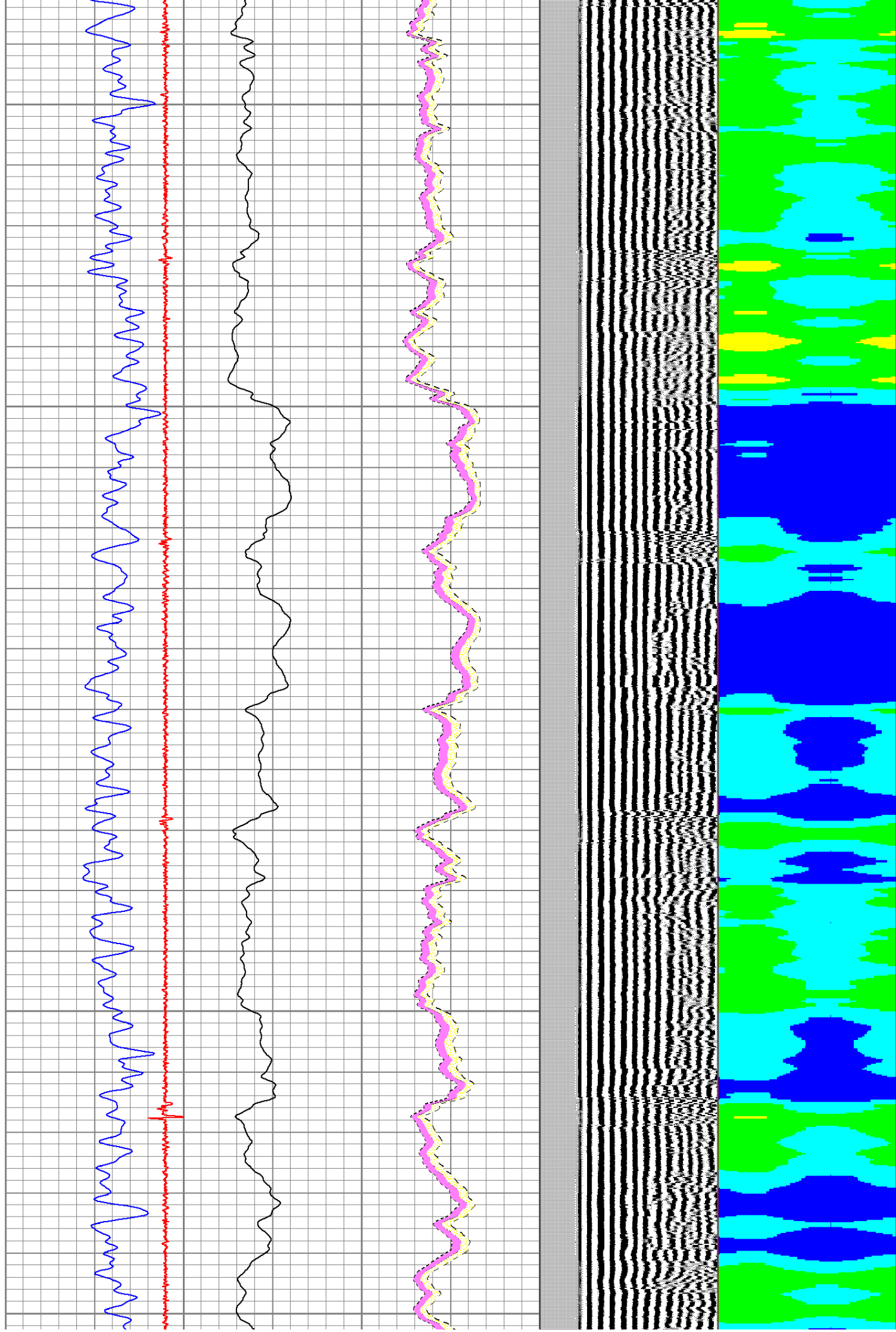




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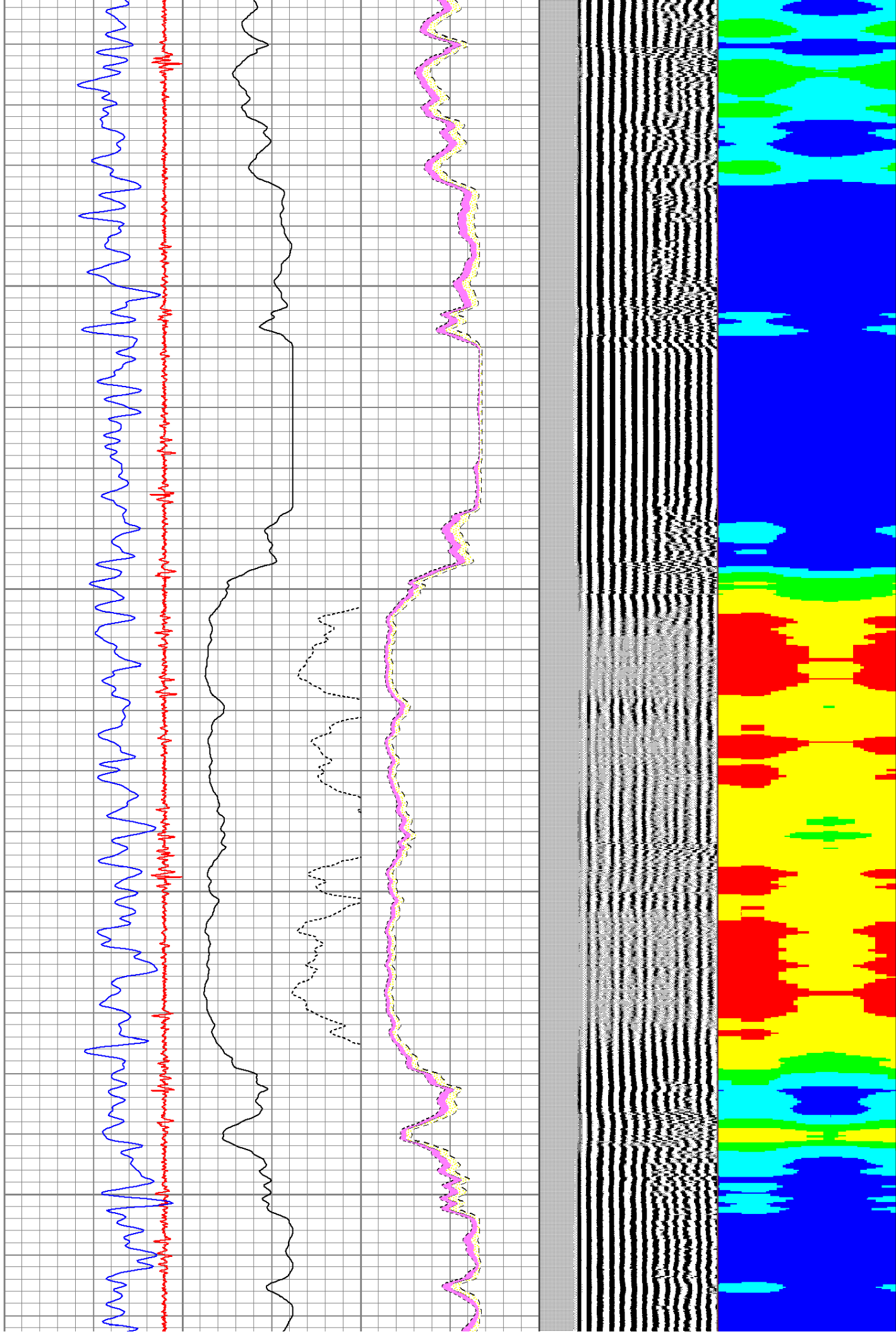
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3300



3400

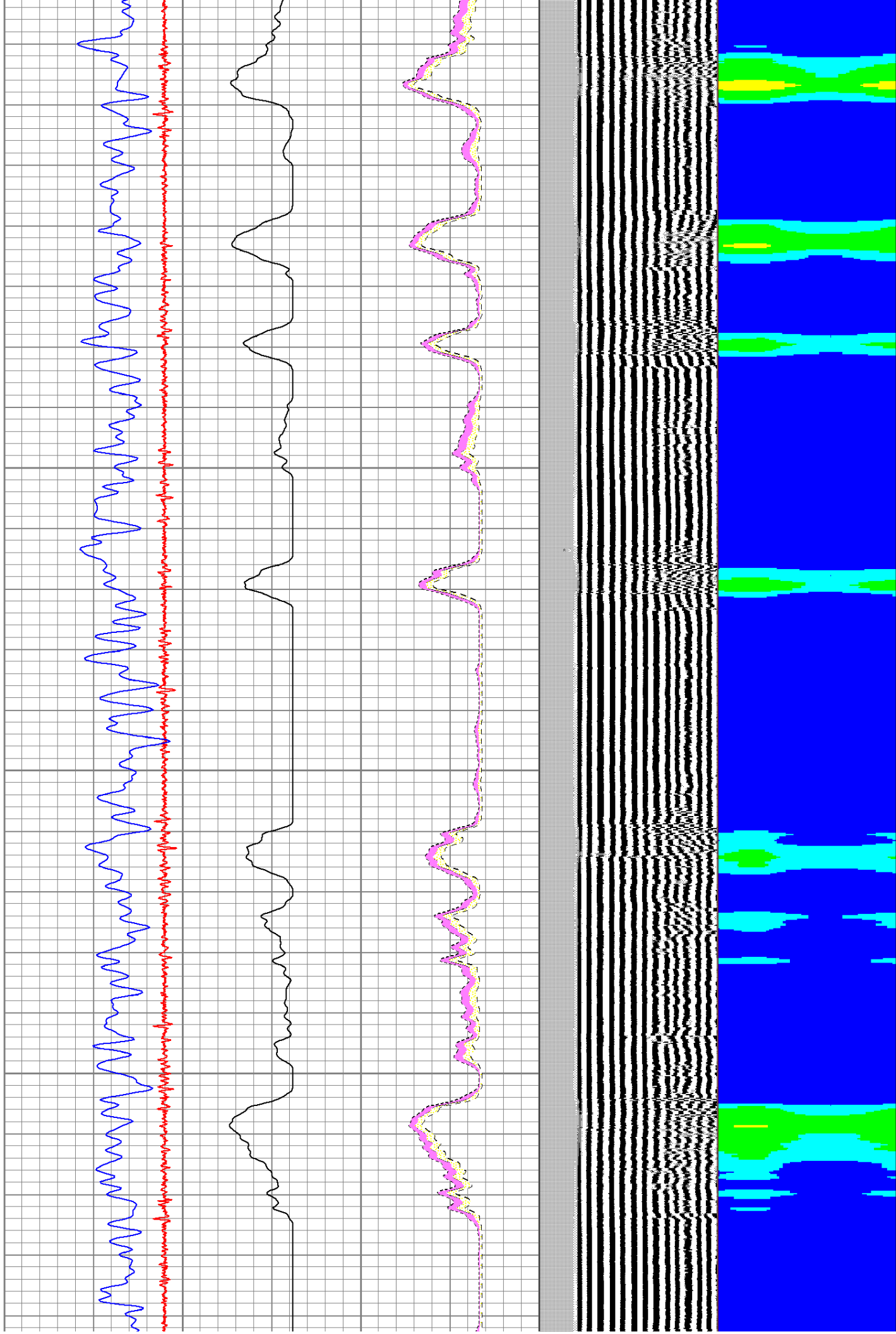
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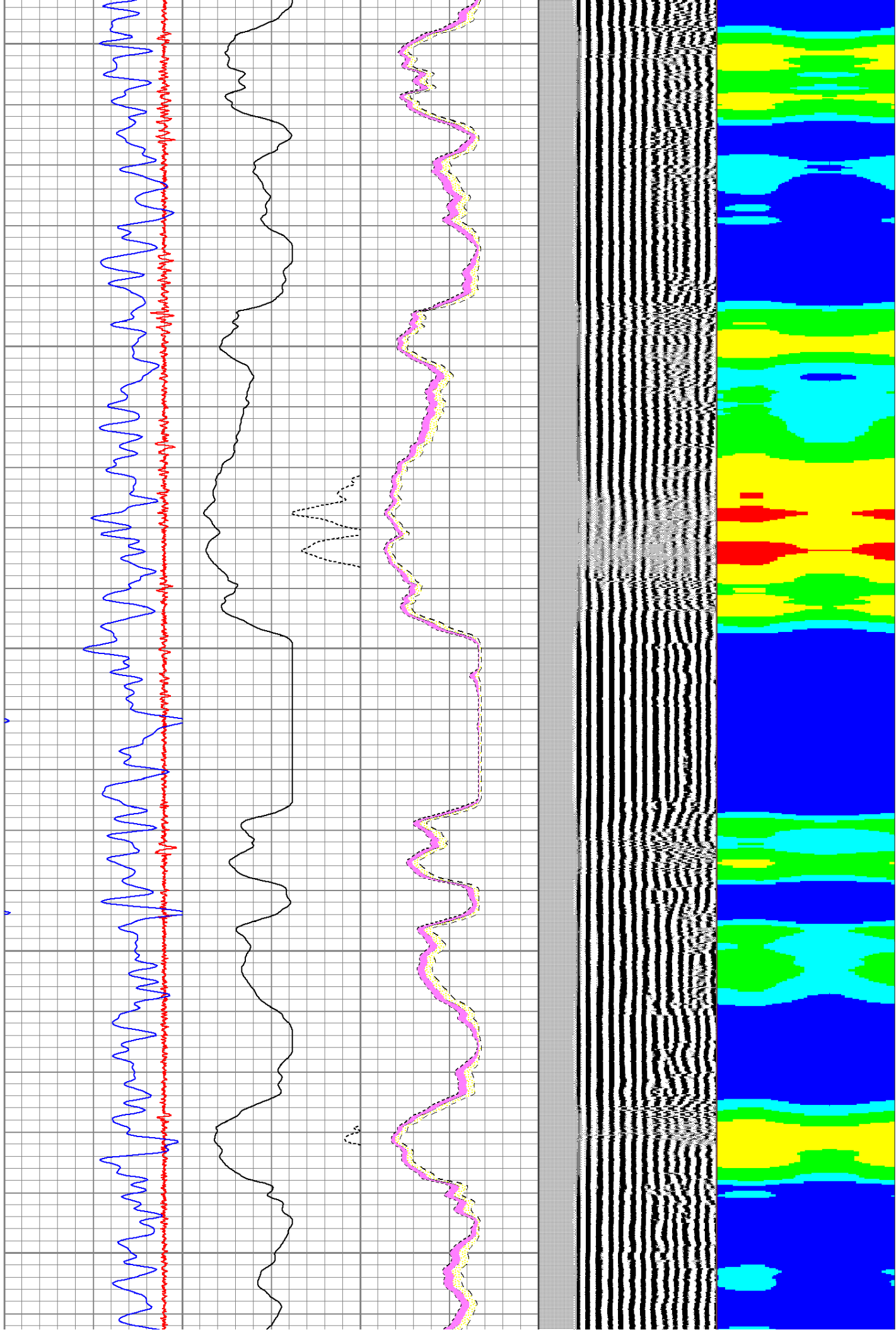
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3700



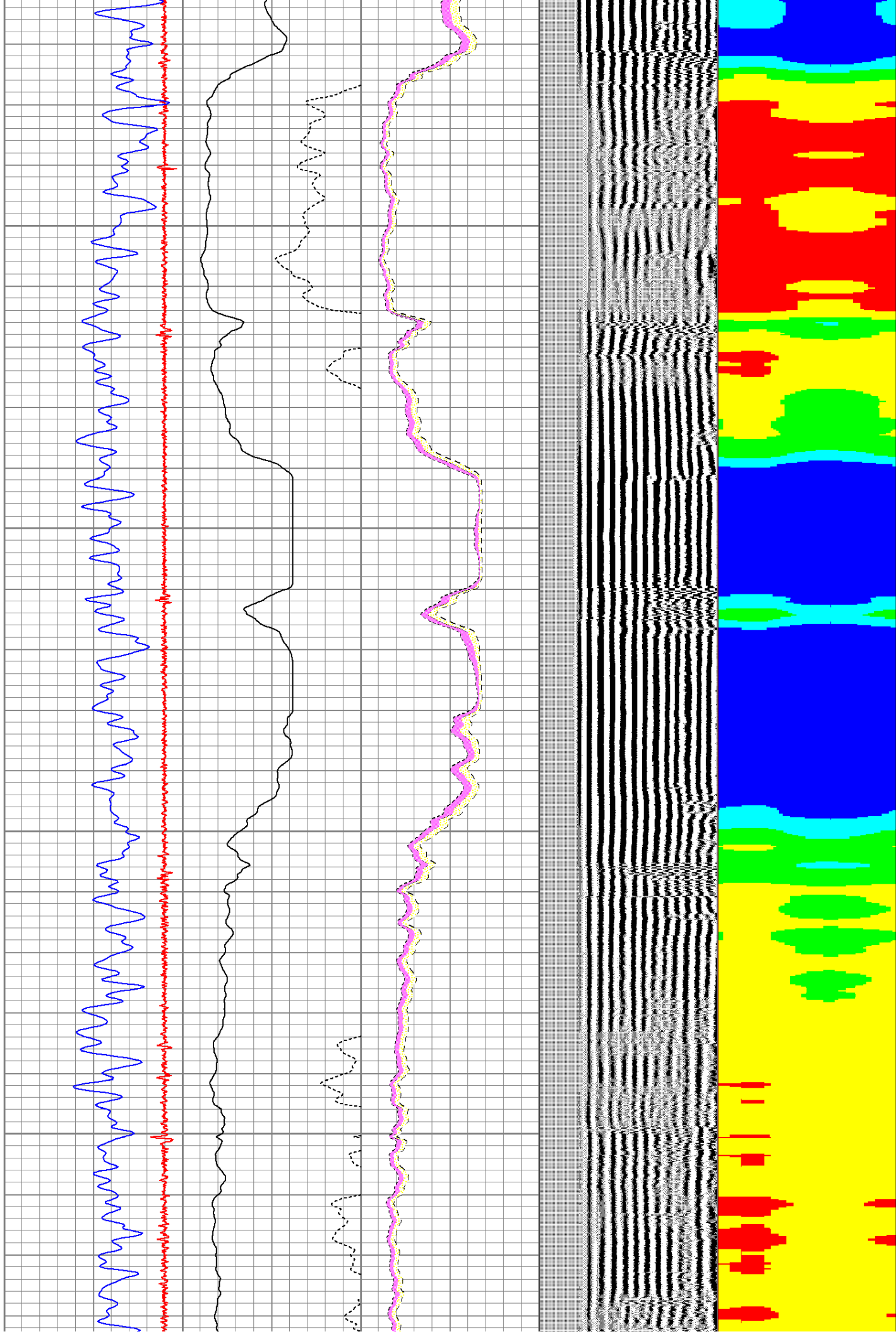
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3900



4000

4100

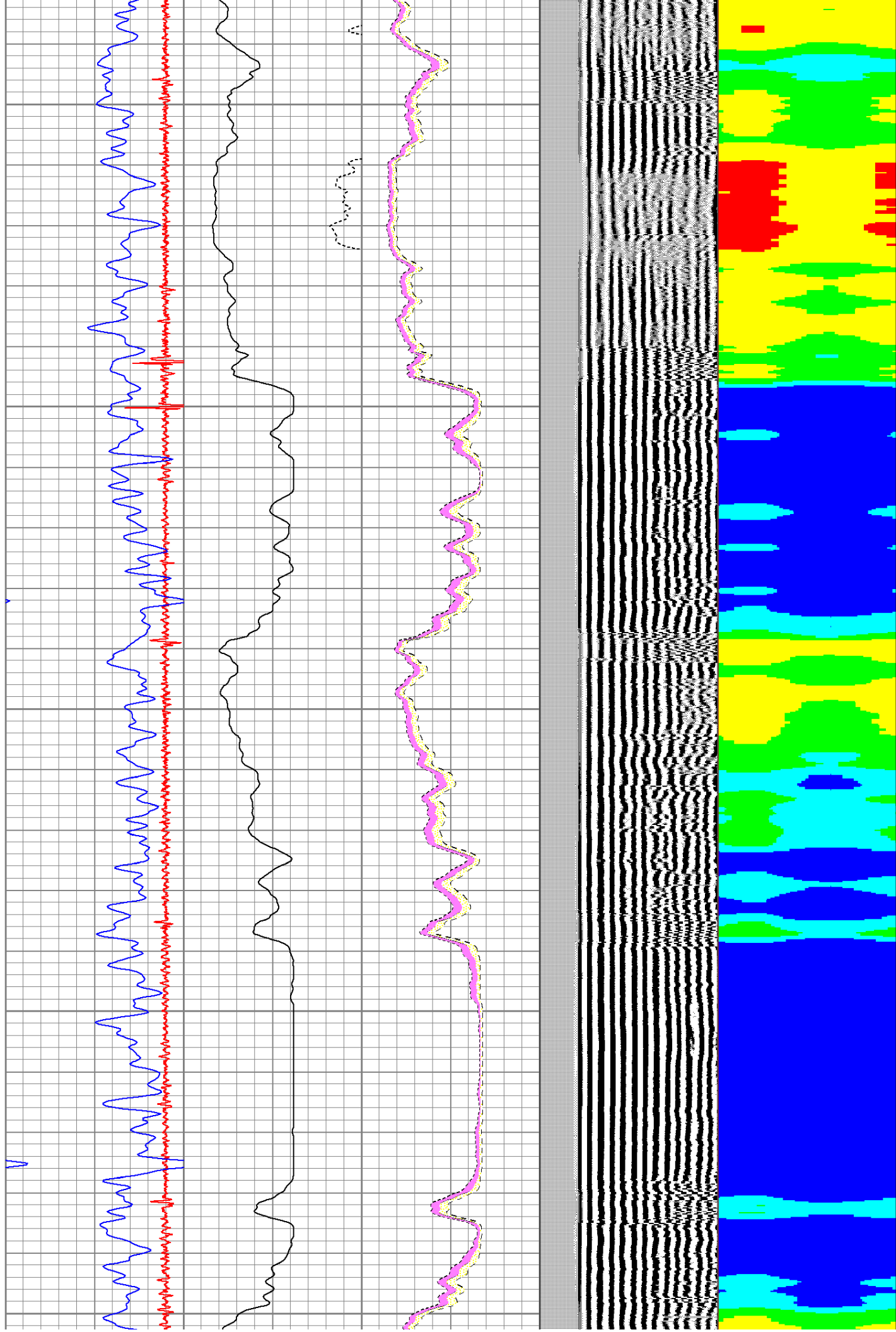




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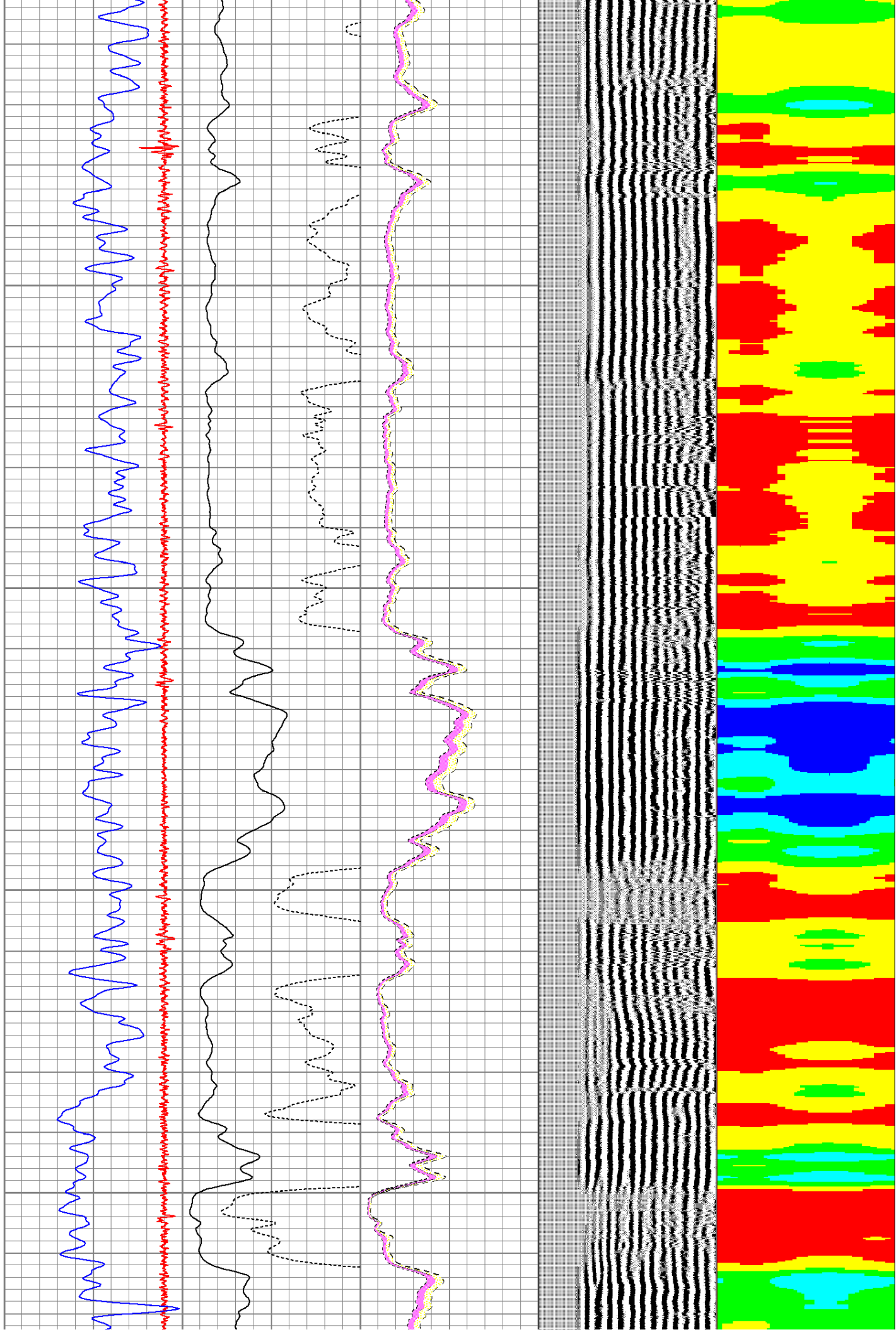
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4400

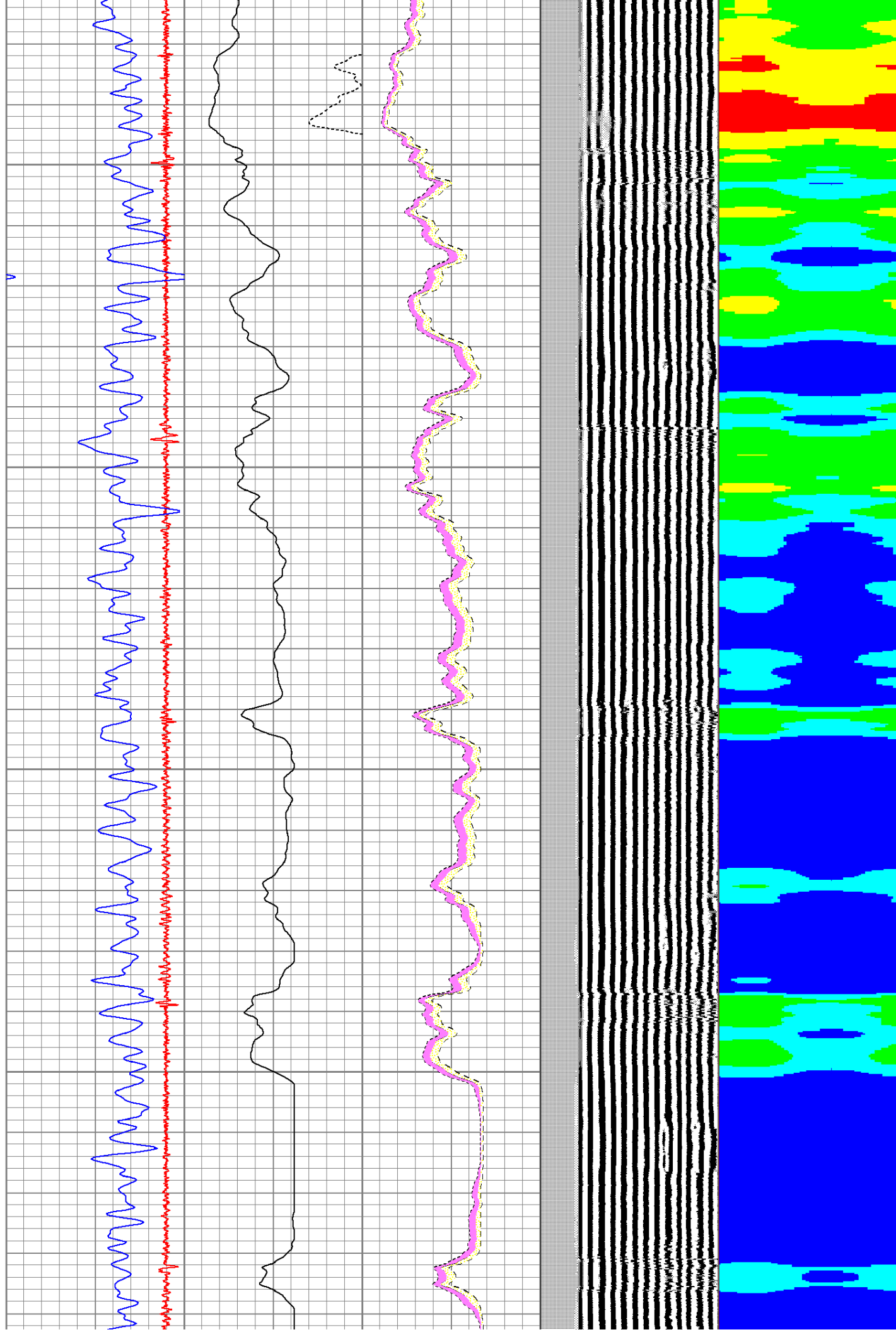


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4600







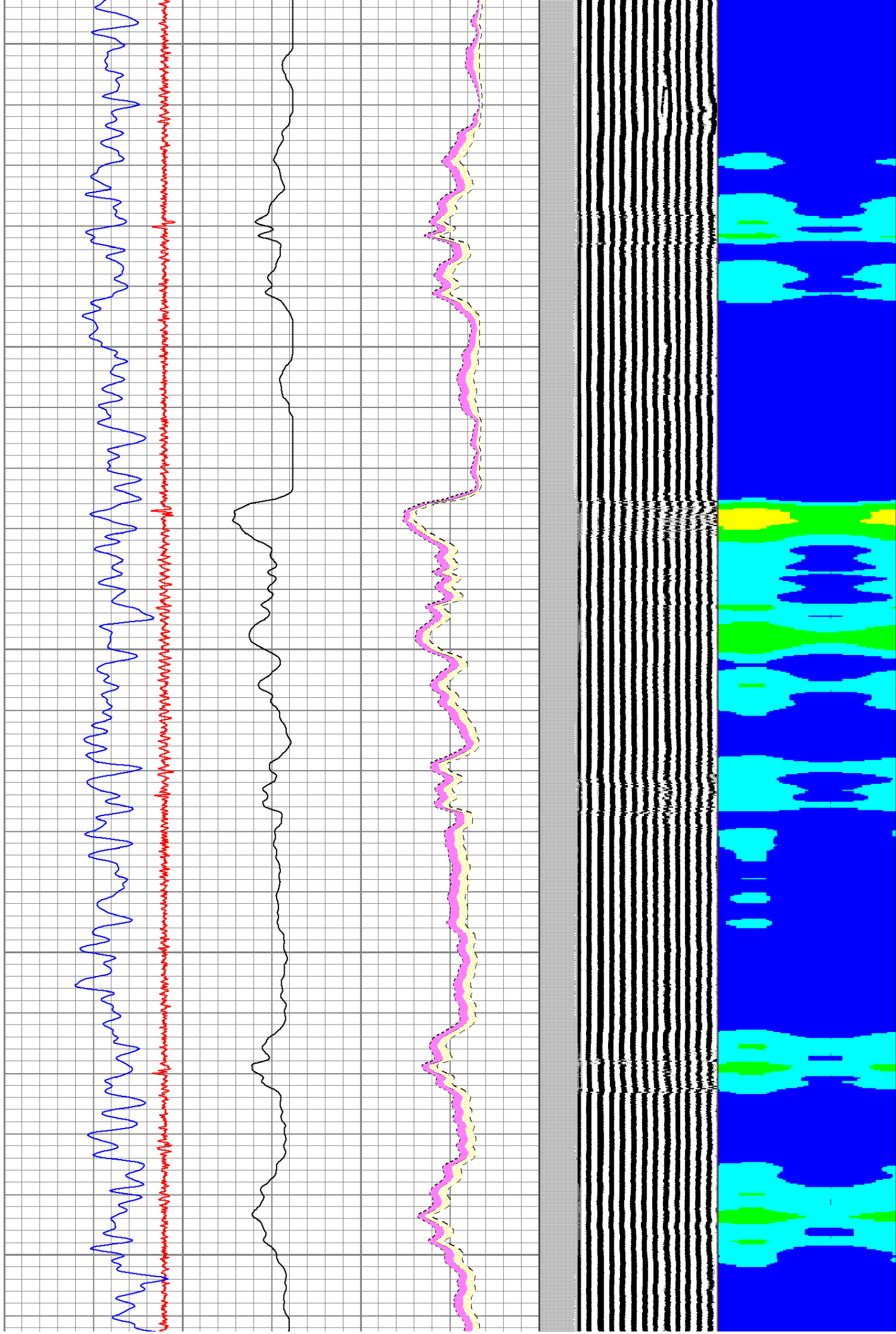
This figure displays a complex multi-panel plot, likely representing time-series data or a simulation. The plot is divided into several horizontal sections:

- Top Panel:** A color-coded heatmap or spectrogram showing a rainbow gradient (red, yellow, green, blue, cyan) across the horizontal axis, indicating varying intensity or frequency.
- Second Panel:** A black and white striped pattern, possibly representing a binary or high-frequency oscillation.
- Main Section:** A large area containing multiple line plots. The primary data series are shown in blue, red, black, and magenta. These lines exhibit significant fluctuations and oscillations. A dashed line is also visible in the upper right portion of this section.
- Bottom Panel:** A grey shaded area, which could represent a background level or a specific data range.

The overall appearance suggests a highly dynamic and complex system being analyzed or simulated.

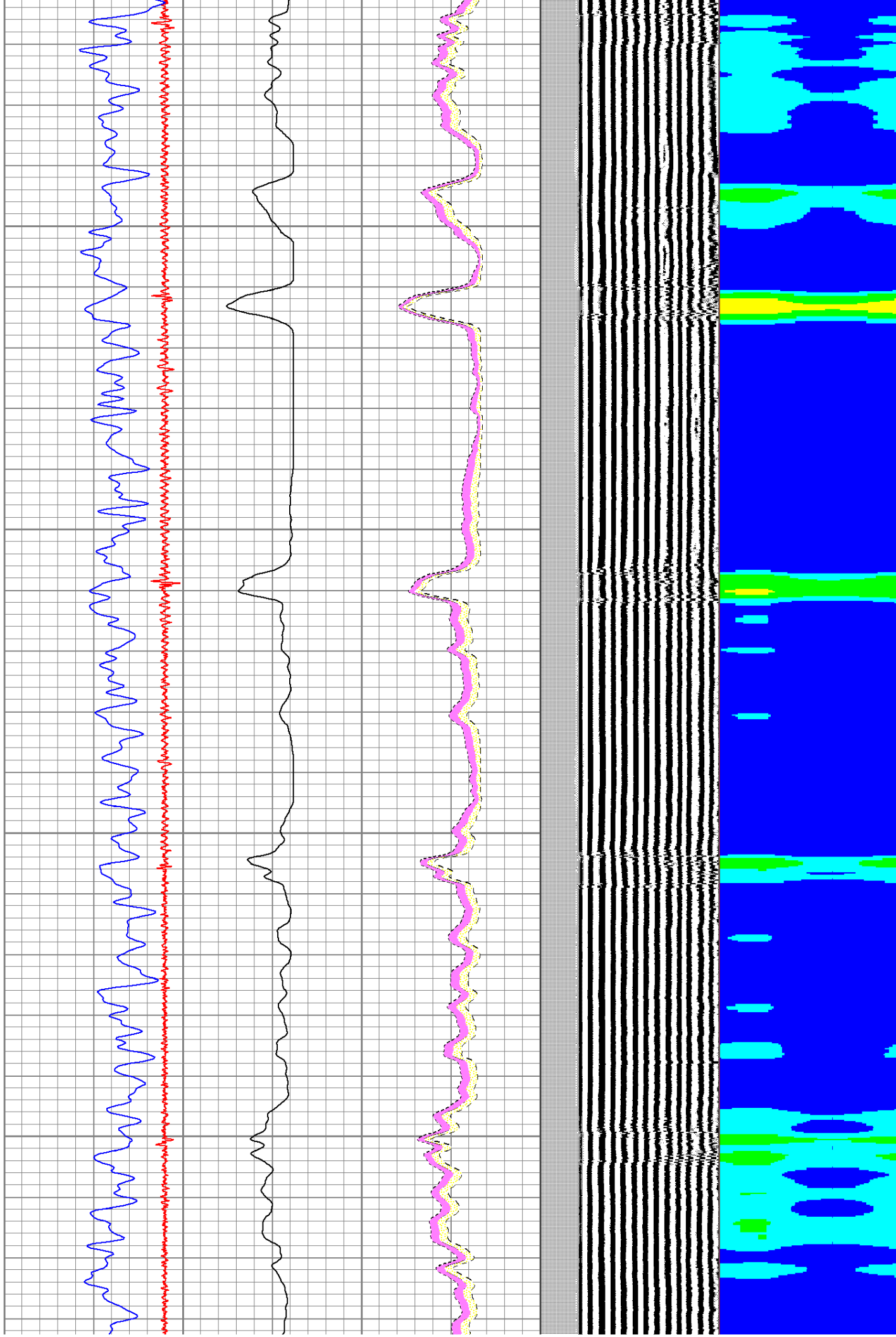
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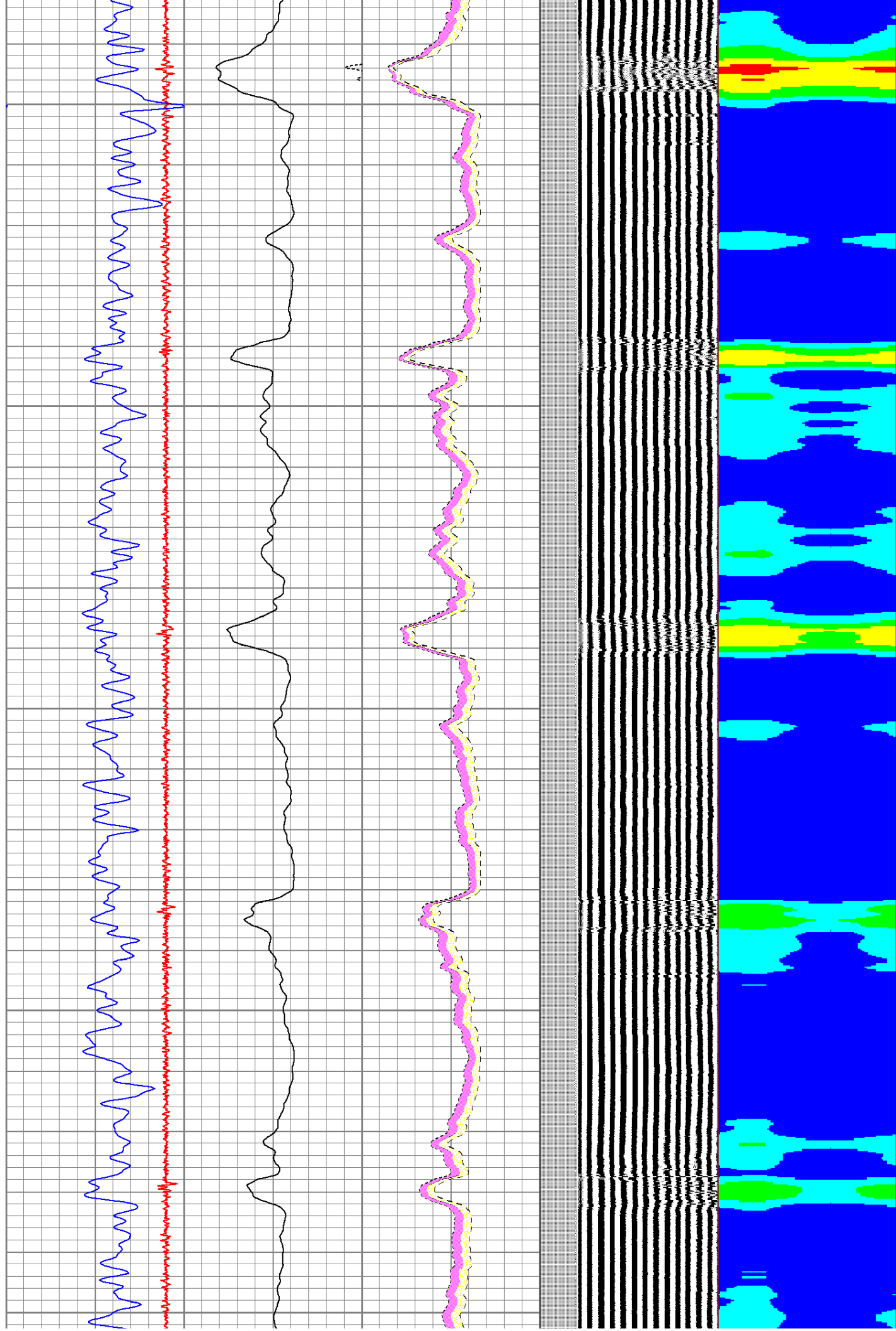
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5100

5200

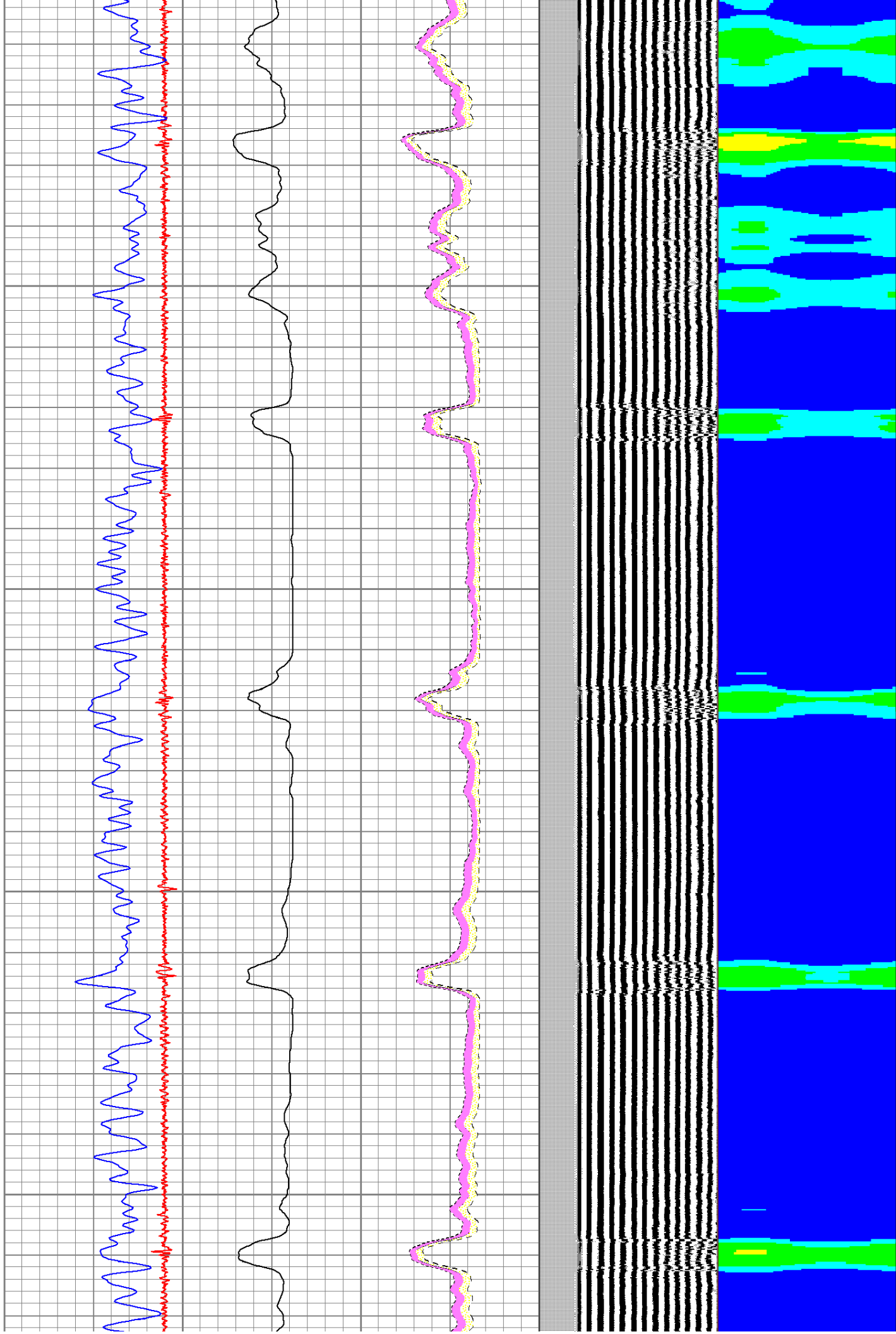






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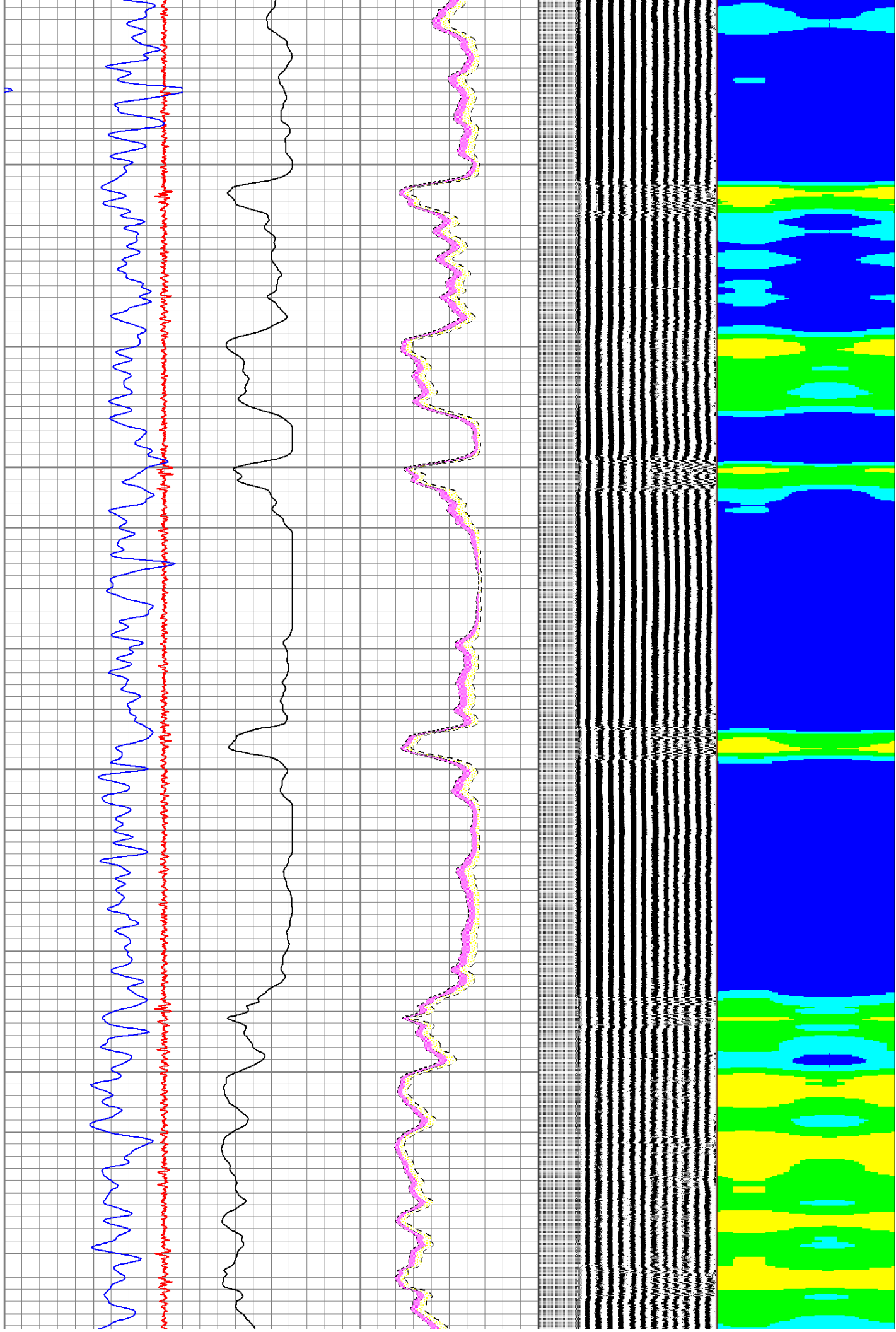
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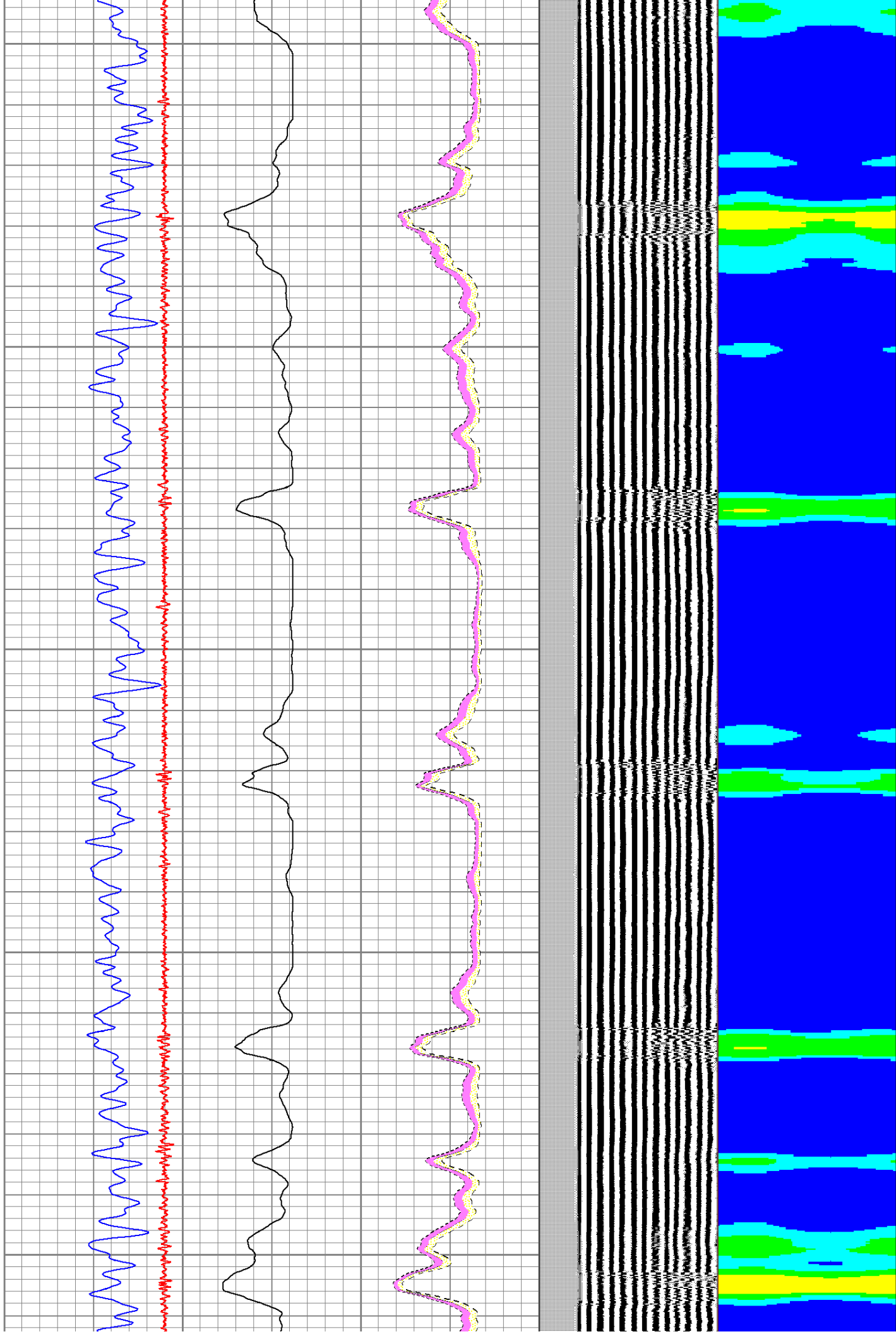
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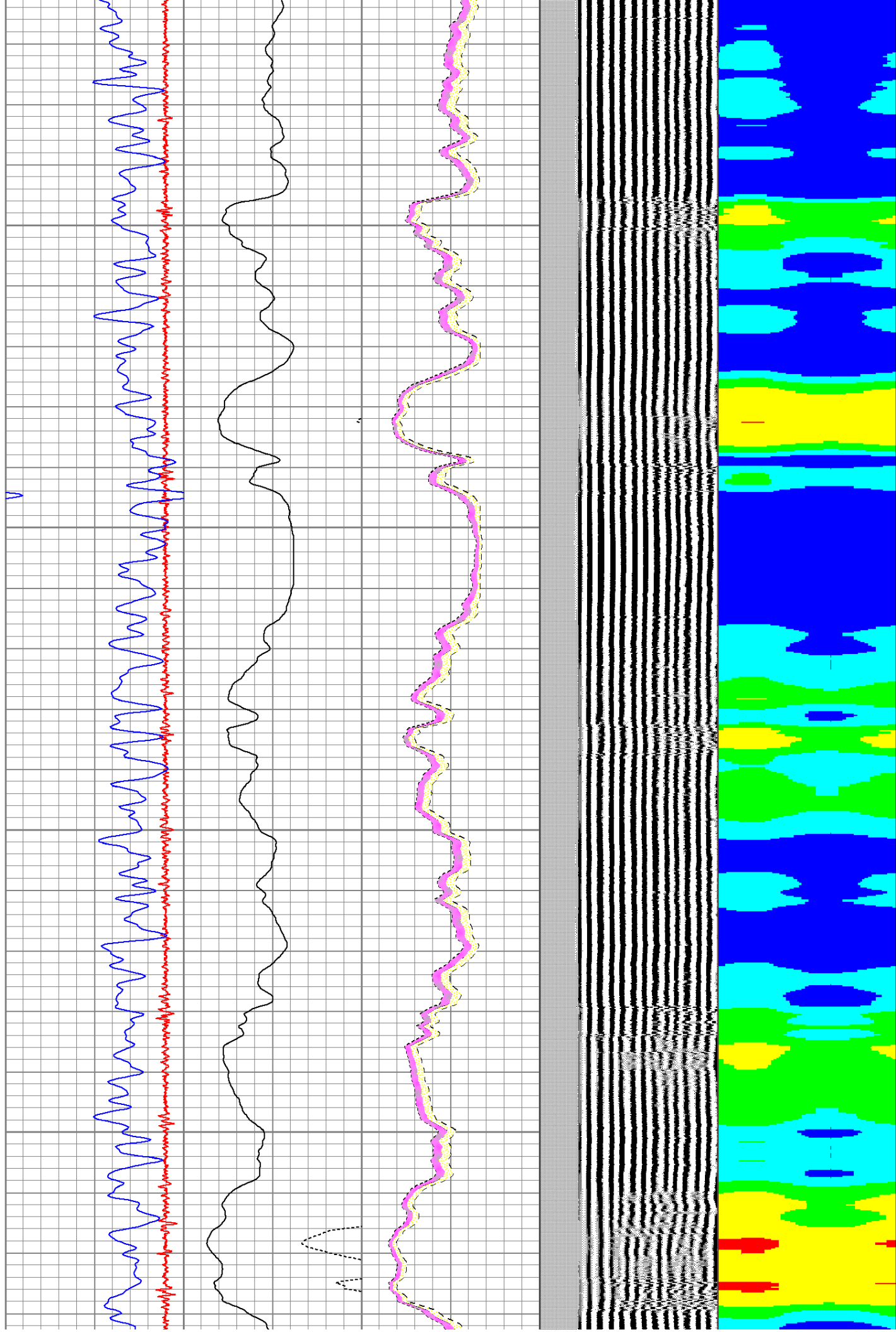
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6200

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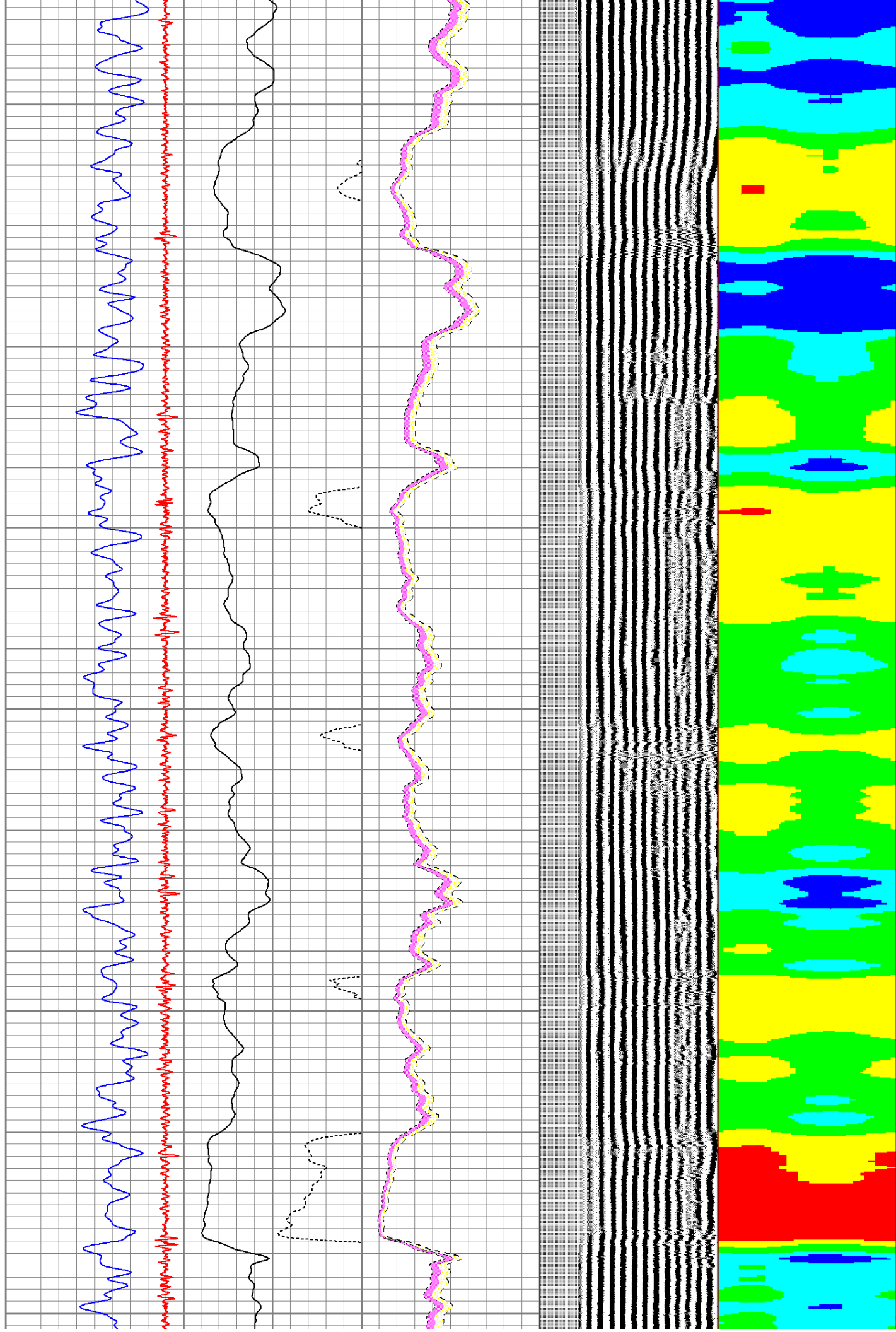




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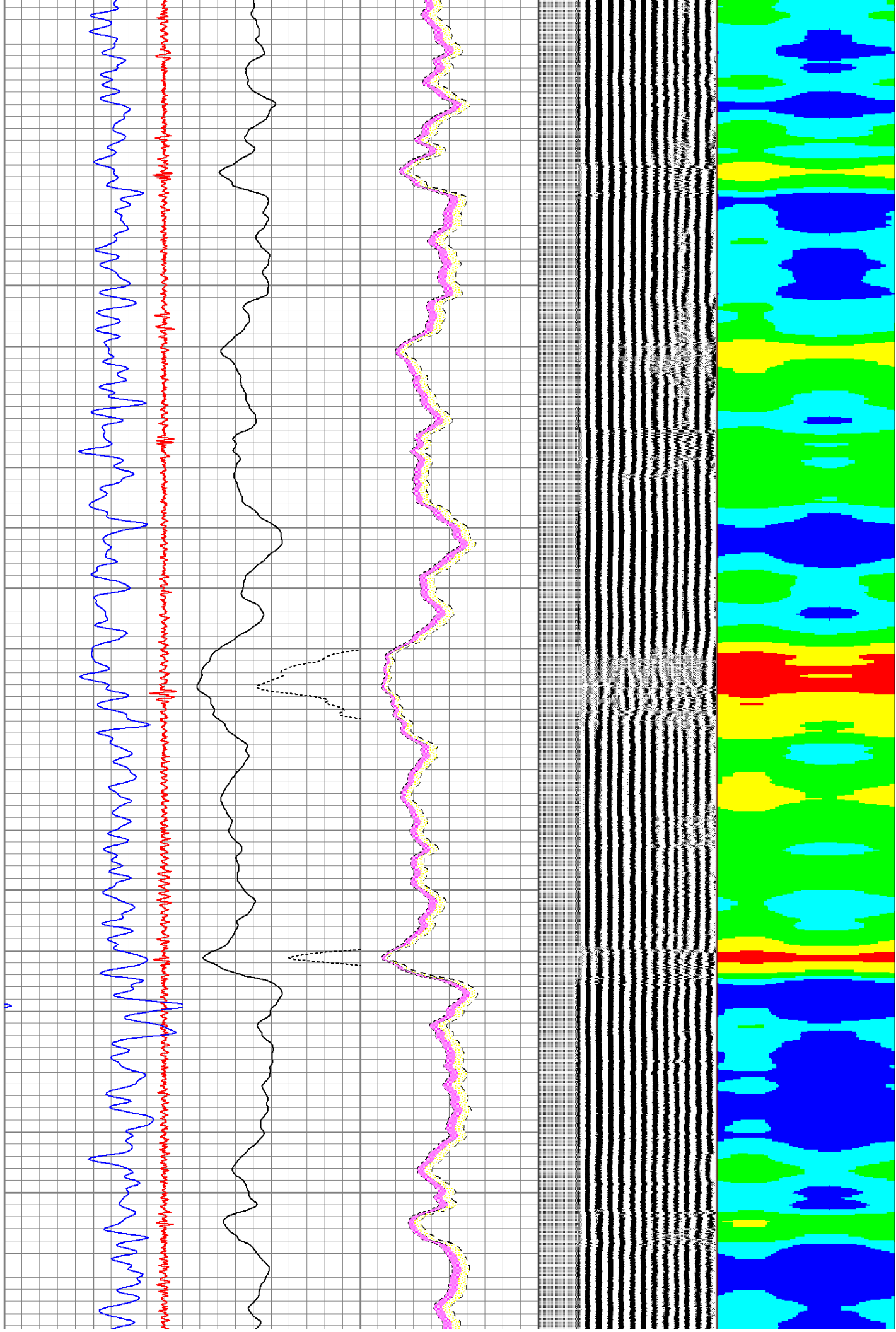
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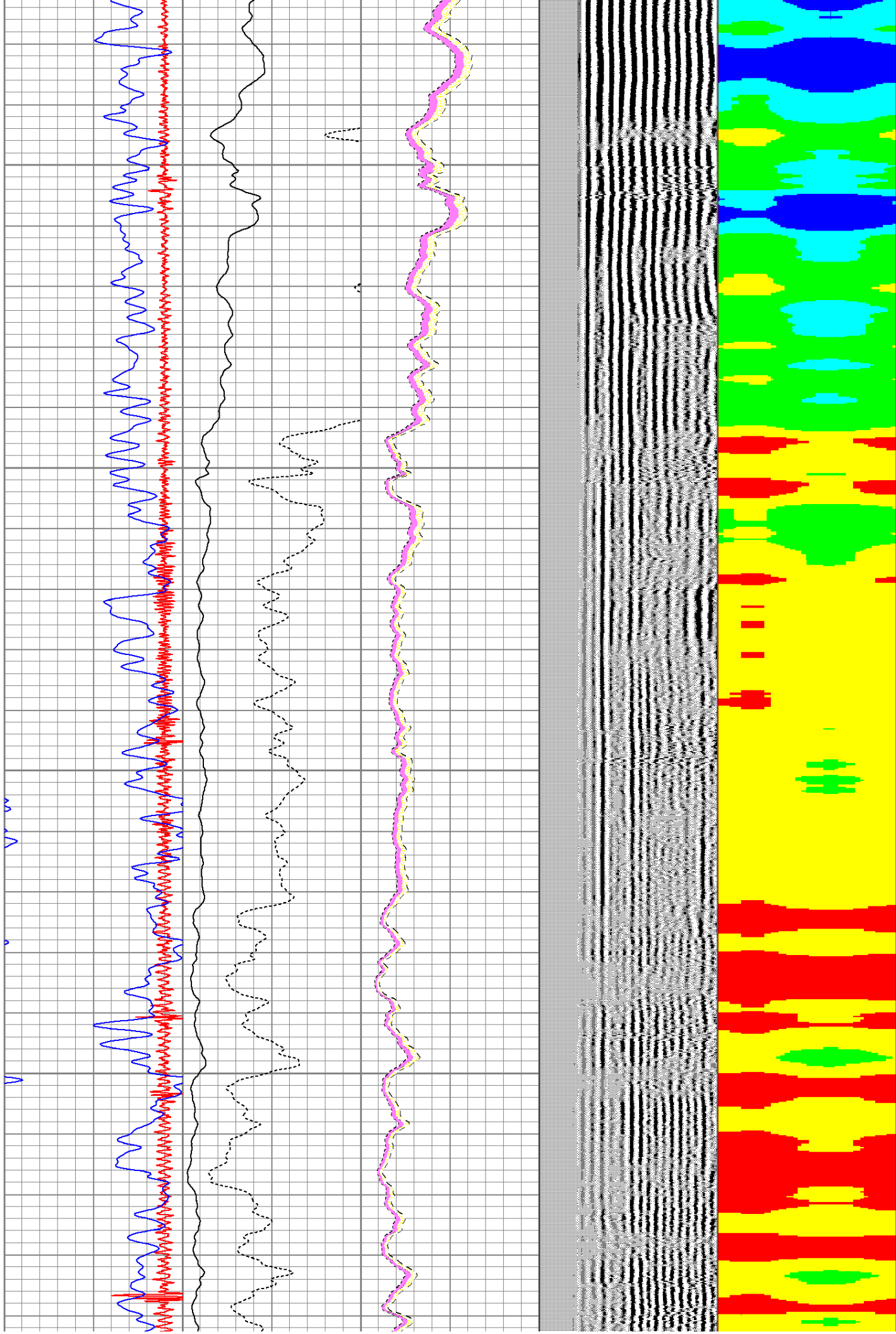
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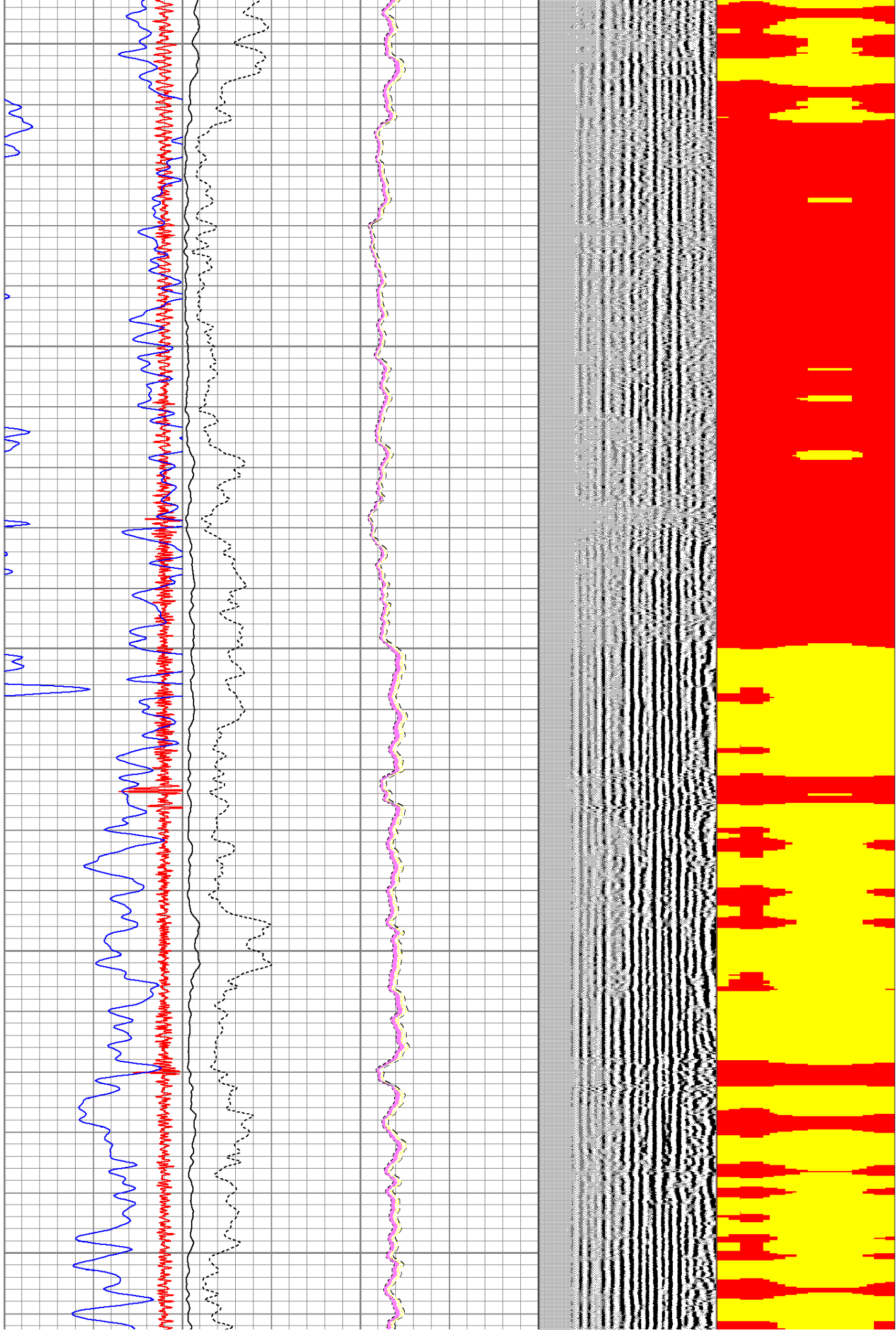
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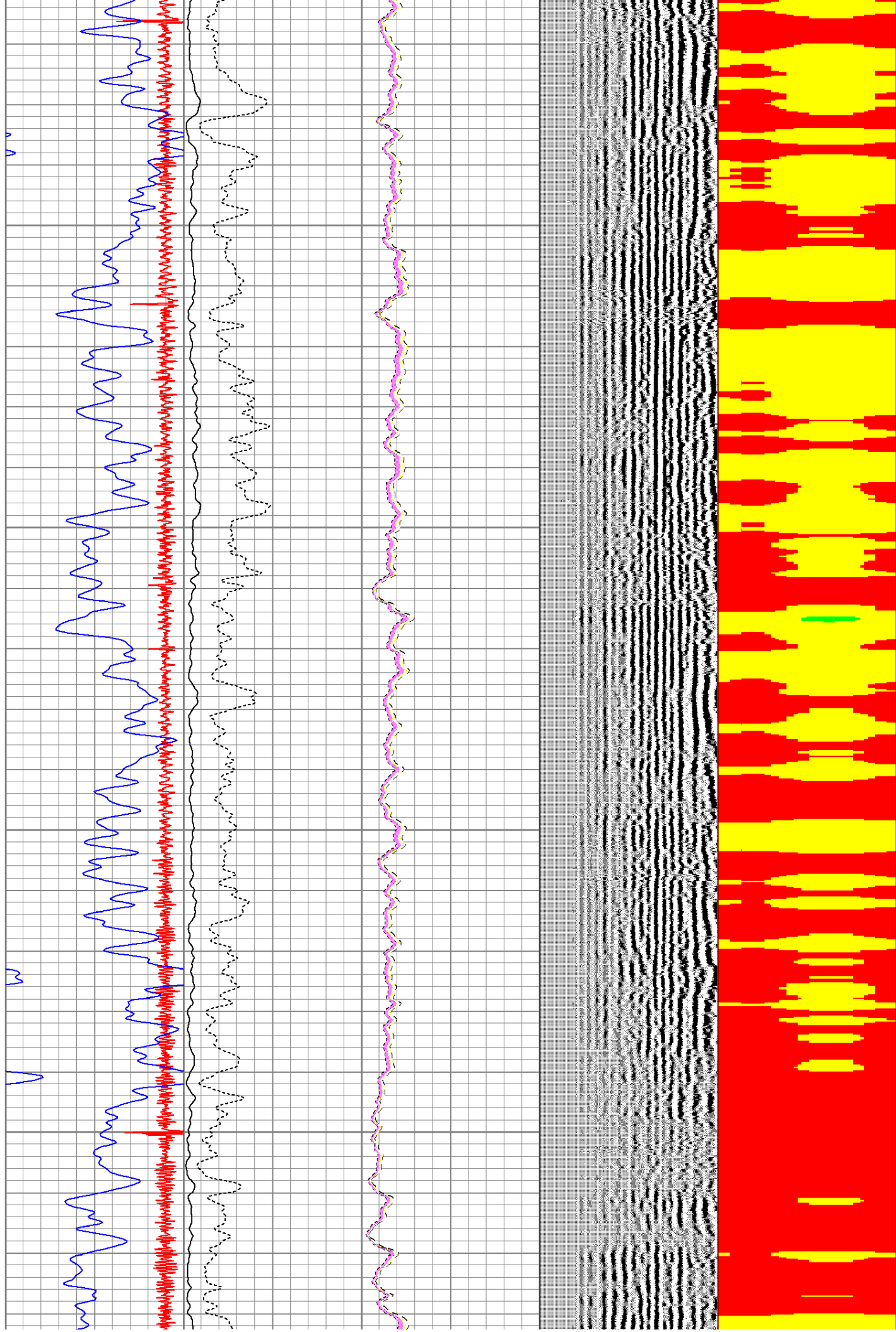
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7200



7300

7400





7500

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