



VDL CCL GAMMA-RAY RADIAL BOND LOG

Pioneer Energy Services

Company ENCANA OIL & GAS (USA) INC
Well MATHEWS 4F-14H
Field WATTENBERG
County WELD State COLORADO

Location: API # : 05123368400000 Other Services

SHL 471' FSL & 659' FEL
BHL 460' FNL & 475' FEL

SEC 14 TWP 1N RGE 66W

Permanent Datum GL Elevation 5104'
Log Measured From KB
Drilling Measured From KB Elevation K.B. 5117'
D.F. 5116'
G.L. 5104'

Date JULY 13/13

Run Number	ONE
Depth Driller	12185'
Depth Logger	7786'
Bottom Logged Interval	7768'
Top Log Interval	20'
Open Hole Size	8.75"
Type Fluid	WATER
Density / Viscosity	NA
Max. Recorded Temp.	NA
Estimated Cement Top	1410'
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		Tubing Record			
From	To	Size	Weight	From	To

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String				
Prot. String	7"	26#	SURFACE	7896'
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 # 2-204190

THANK YOU FOR USING
PIONEER ENERGY SERVICES

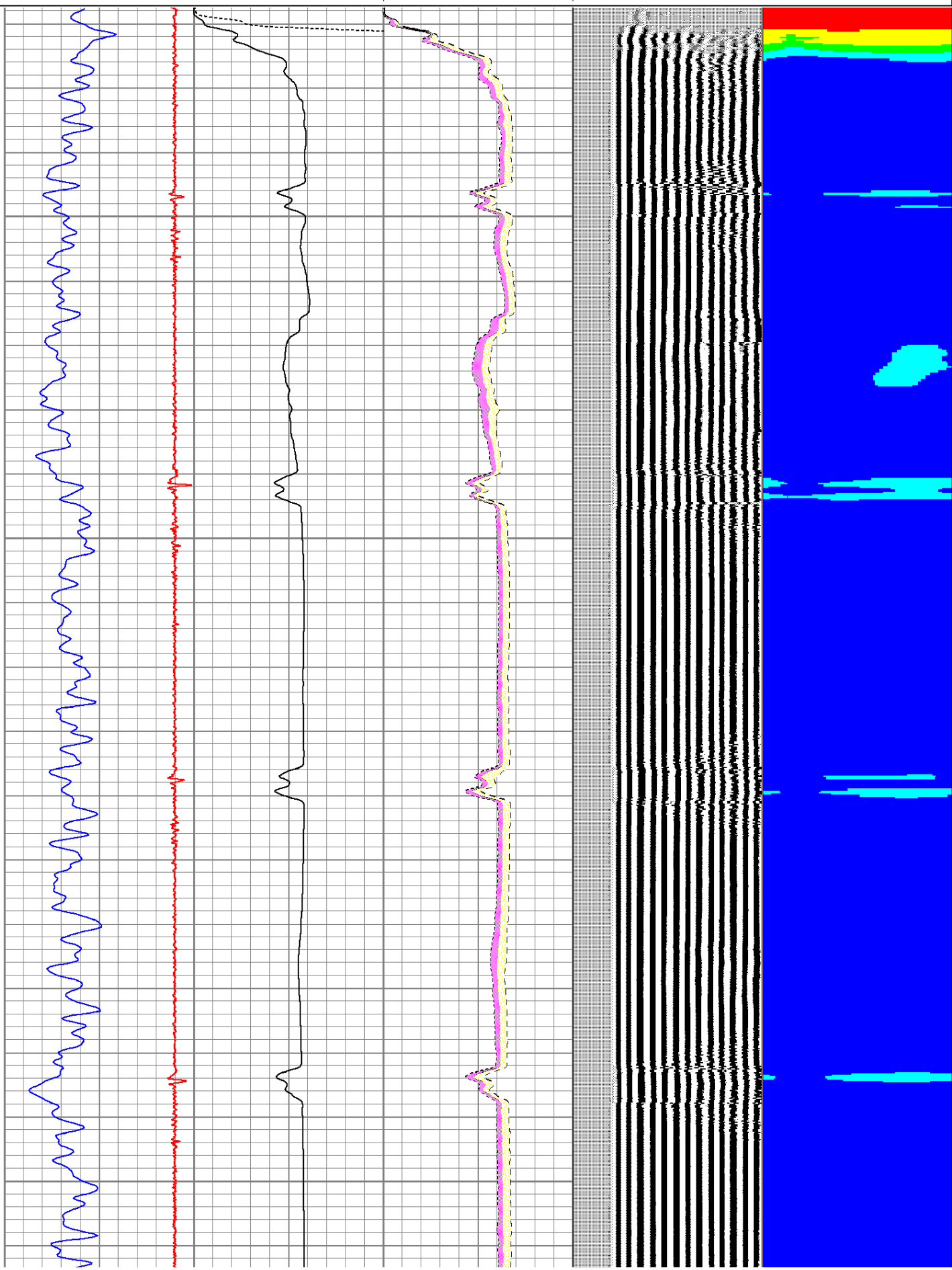
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

Tool Name	Length (ft)	Weight (lb)	O.D. (in)	Notes
PTS275	2.83	2.75		
WVF3FT	12.75			
WVFCAL	12.75			
WVFS1	12.75			
WVFS2	12.75			
WVFS3	12.75			
WVFS4	12.75			
WVFS5	12.75			
WVFS6	12.75			
WVFS7	12.75			
WVFS8	12.75			
WVF5FT	11.67			
RBT-Probe (Base)	8.92	2.75	90.00	Probe Radii Bond Tool with Digital Telemetry
PTS275	2.83	2.75		
CCL	4.89			
GR-Probe (275)	4.33	2.75	30.00	Probe 2.75" 4 Channel Pulse
GR	2.15			
TEMP-1.375TEMP (0001)	1.25	1.38	30.00	Temperature Tool
TEMP	0.08			
Dataset: mathews 4f-14h.db: field/well/run1/pass3 Total Length: 20.17 ft Total Weight: 150.00 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						

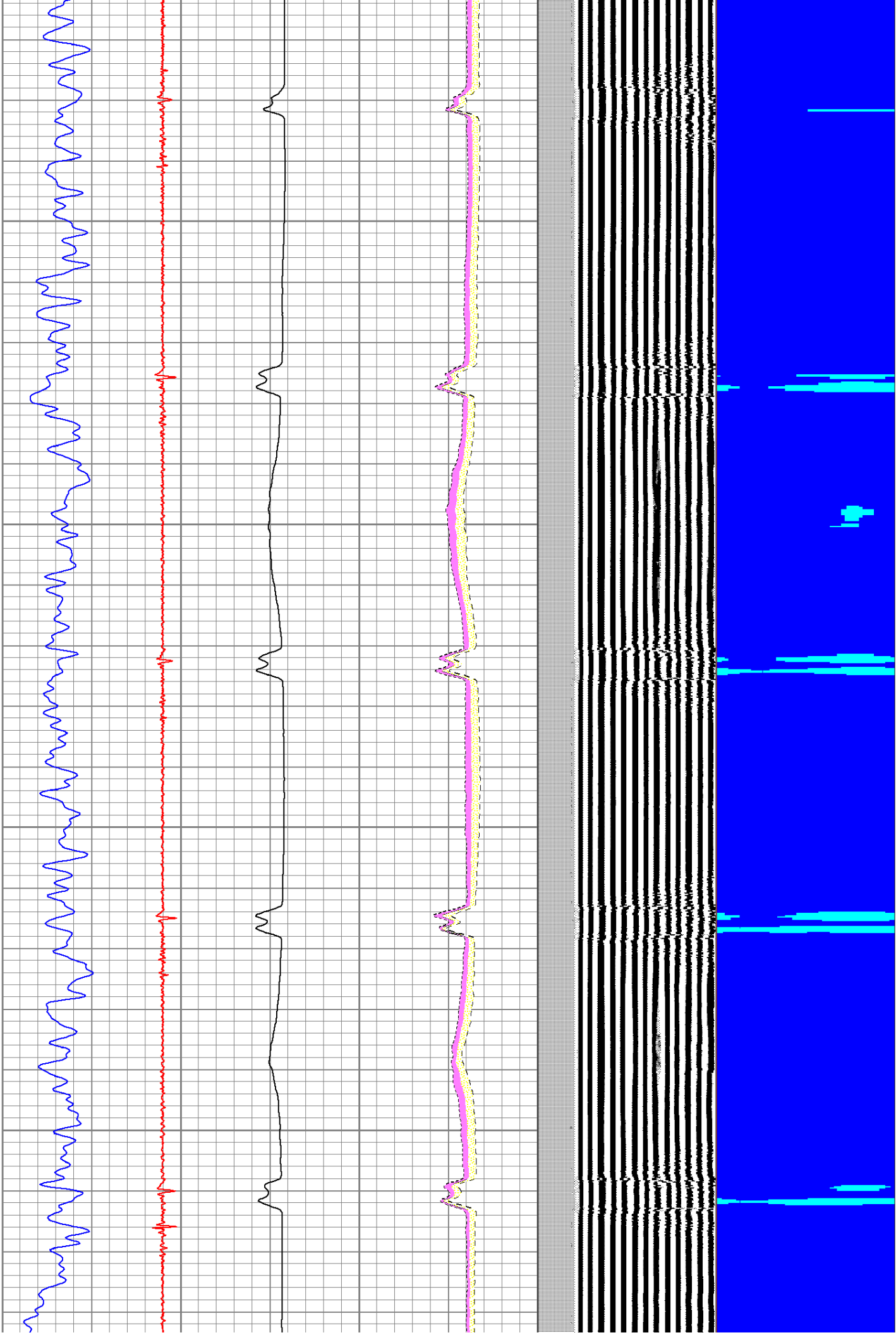
100

200



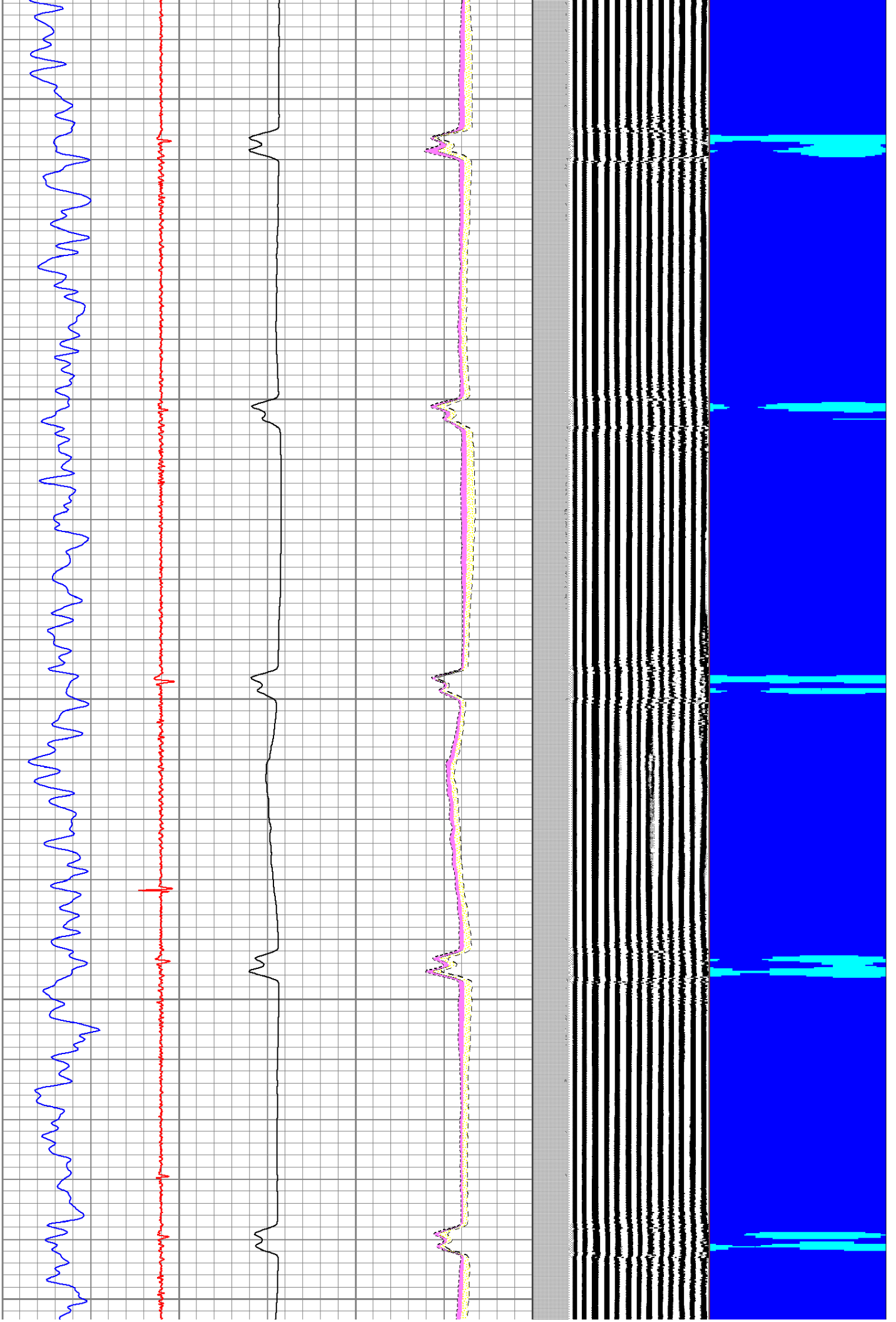
300

400



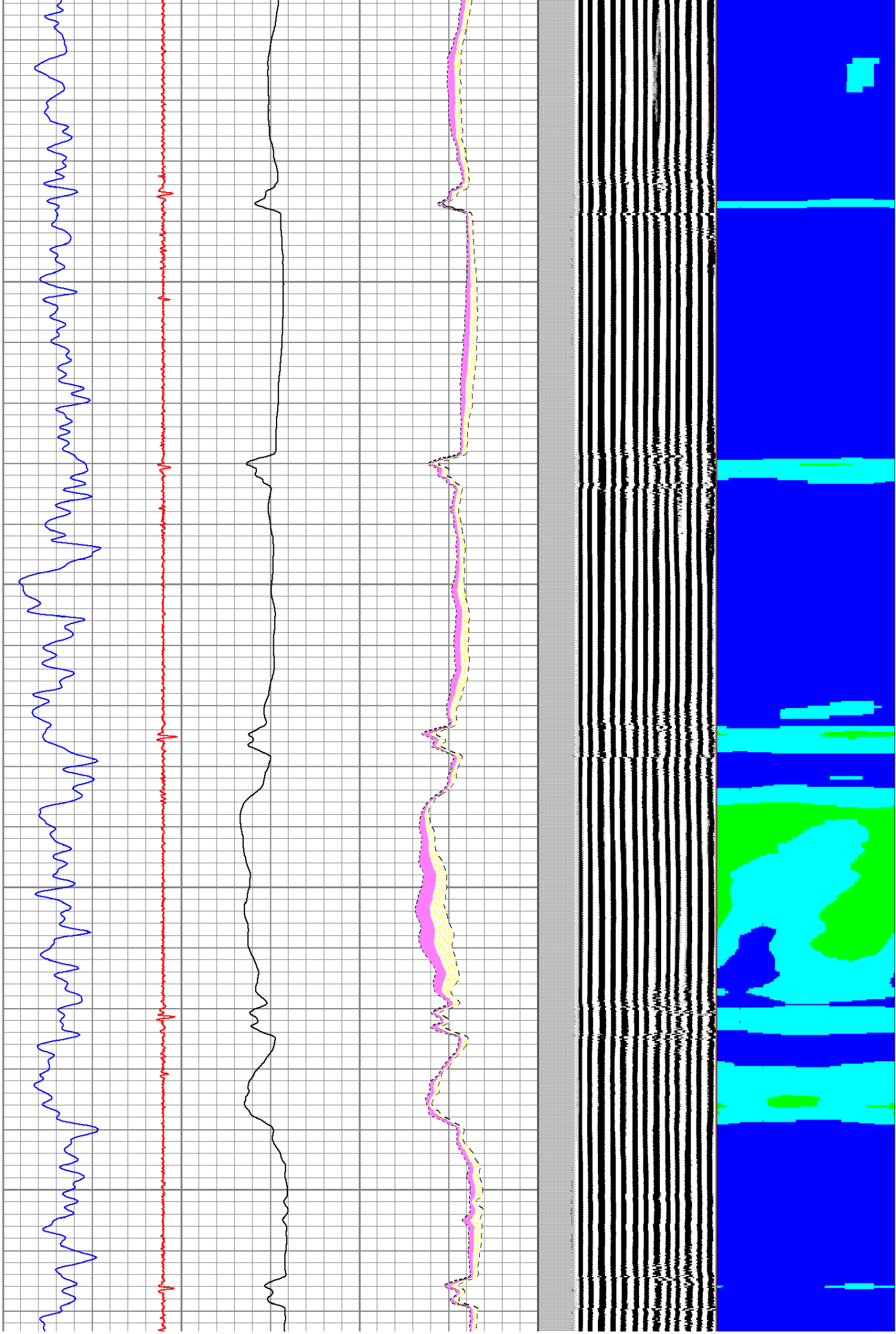
500

600



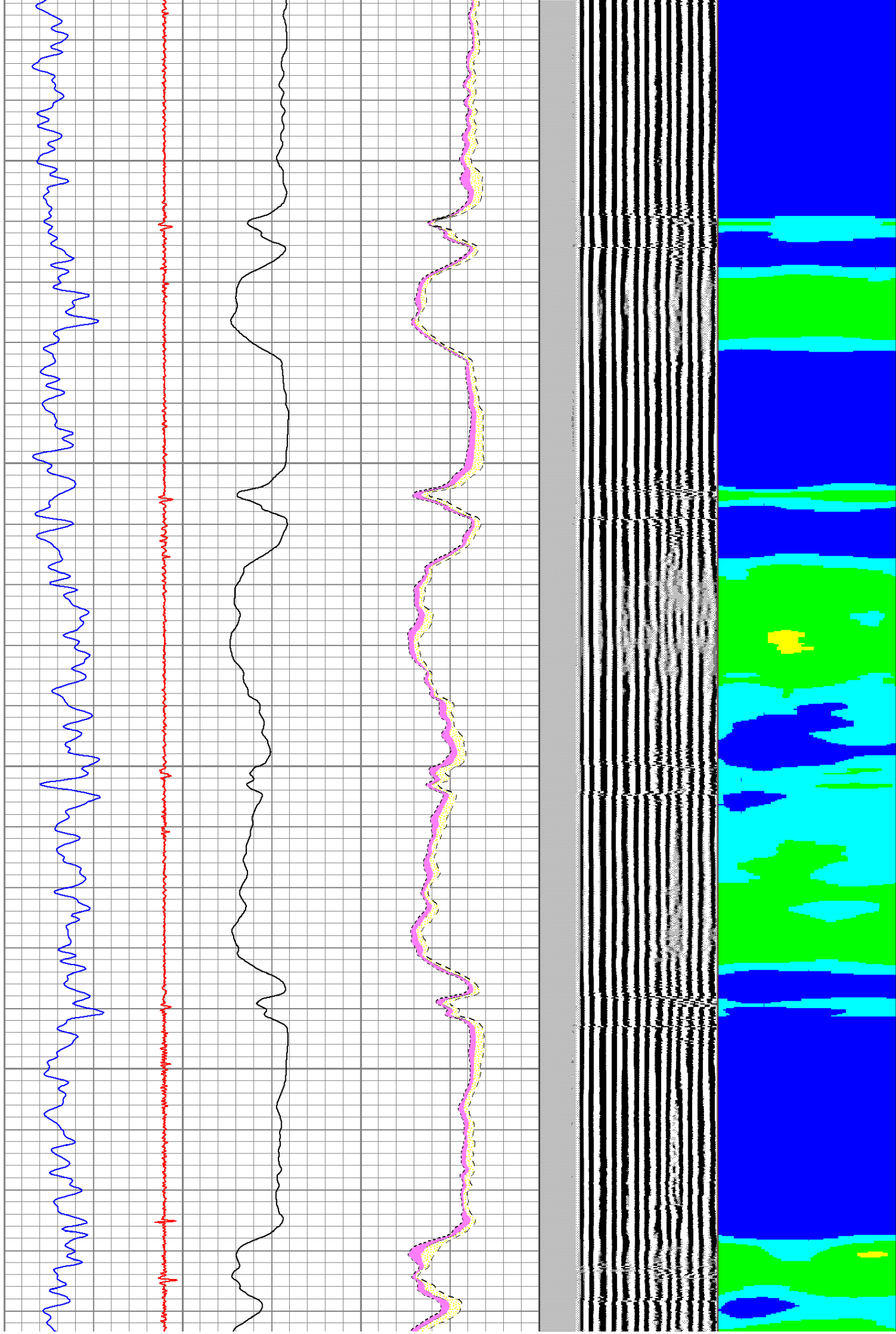
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800



900

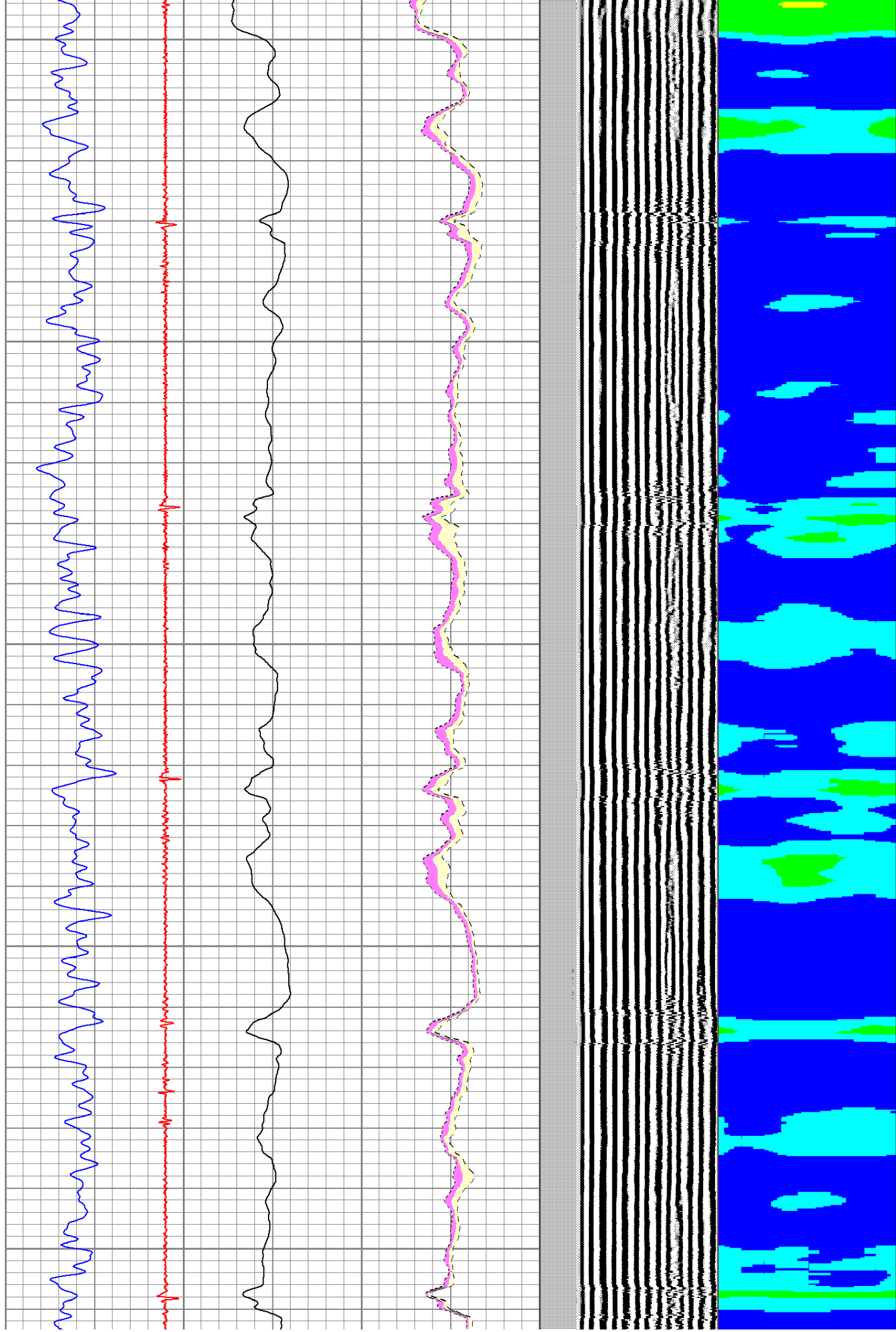
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1100

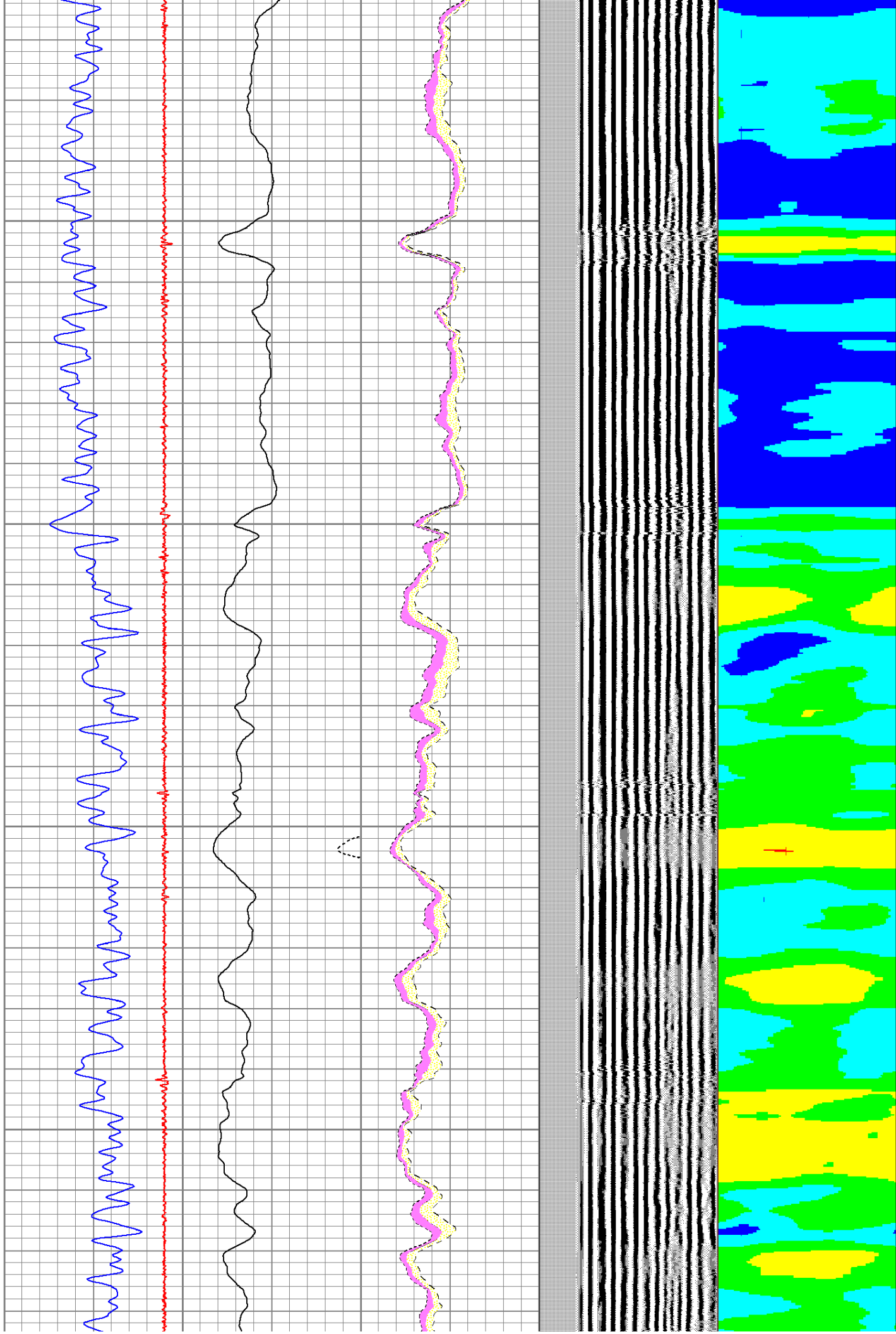
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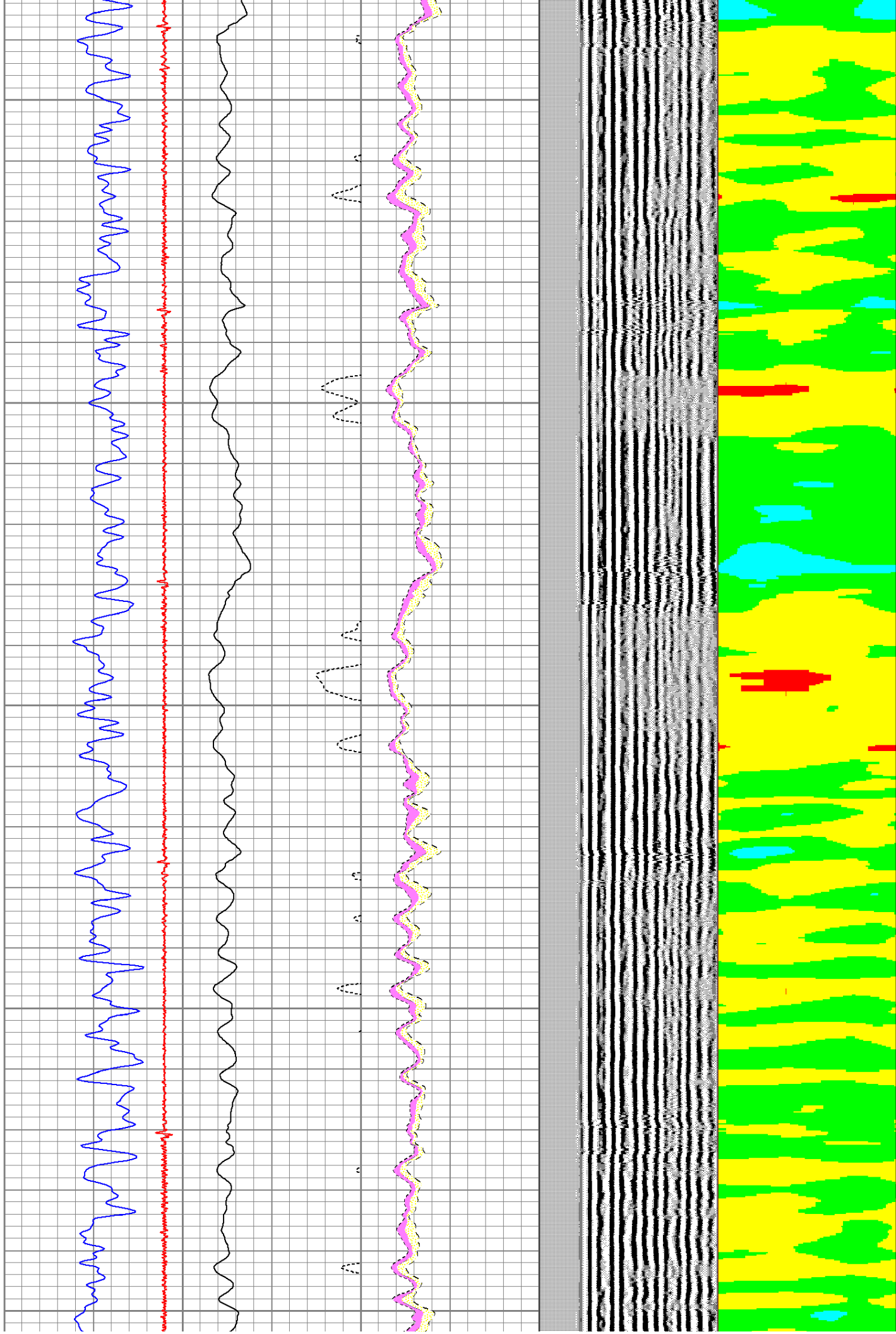
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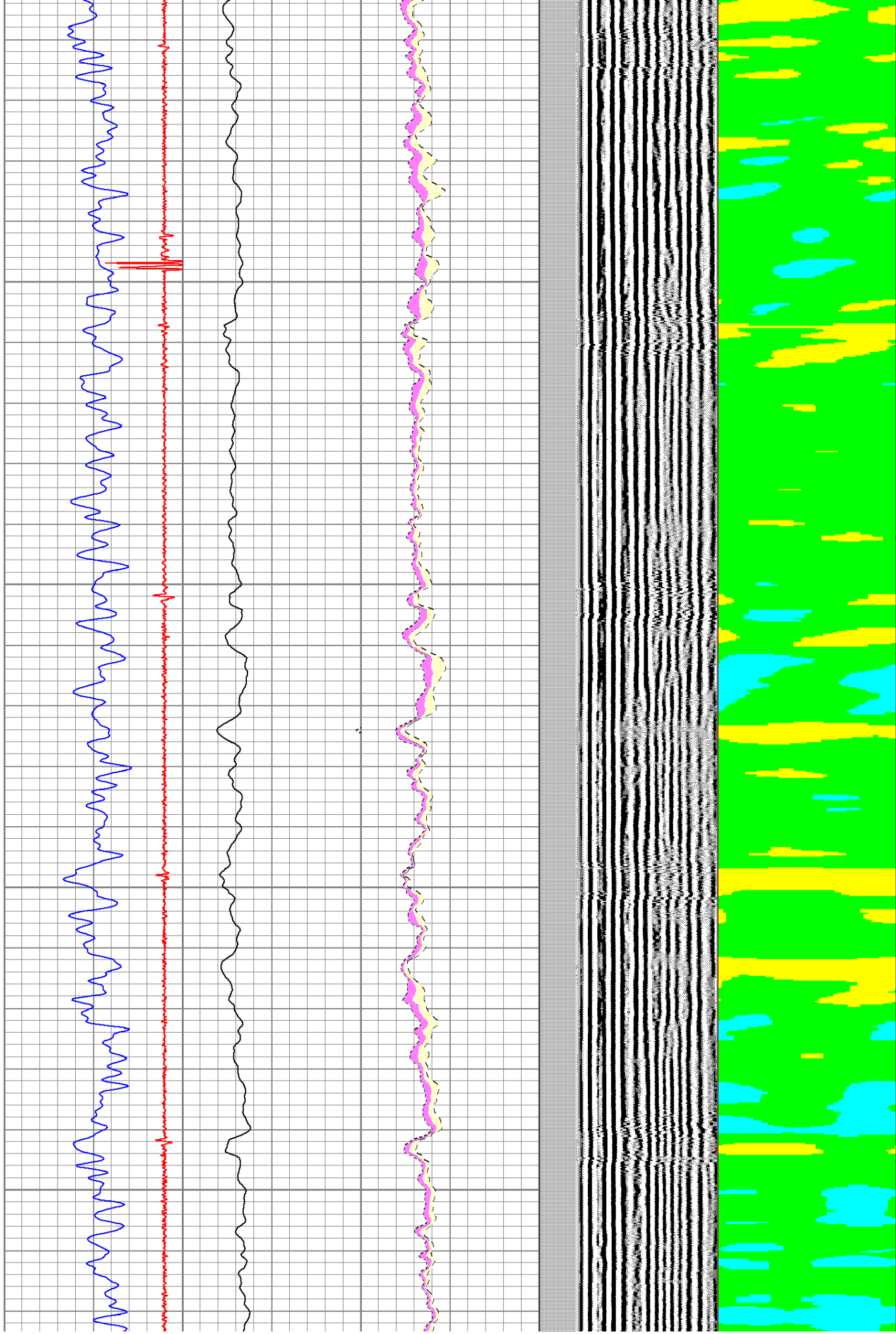
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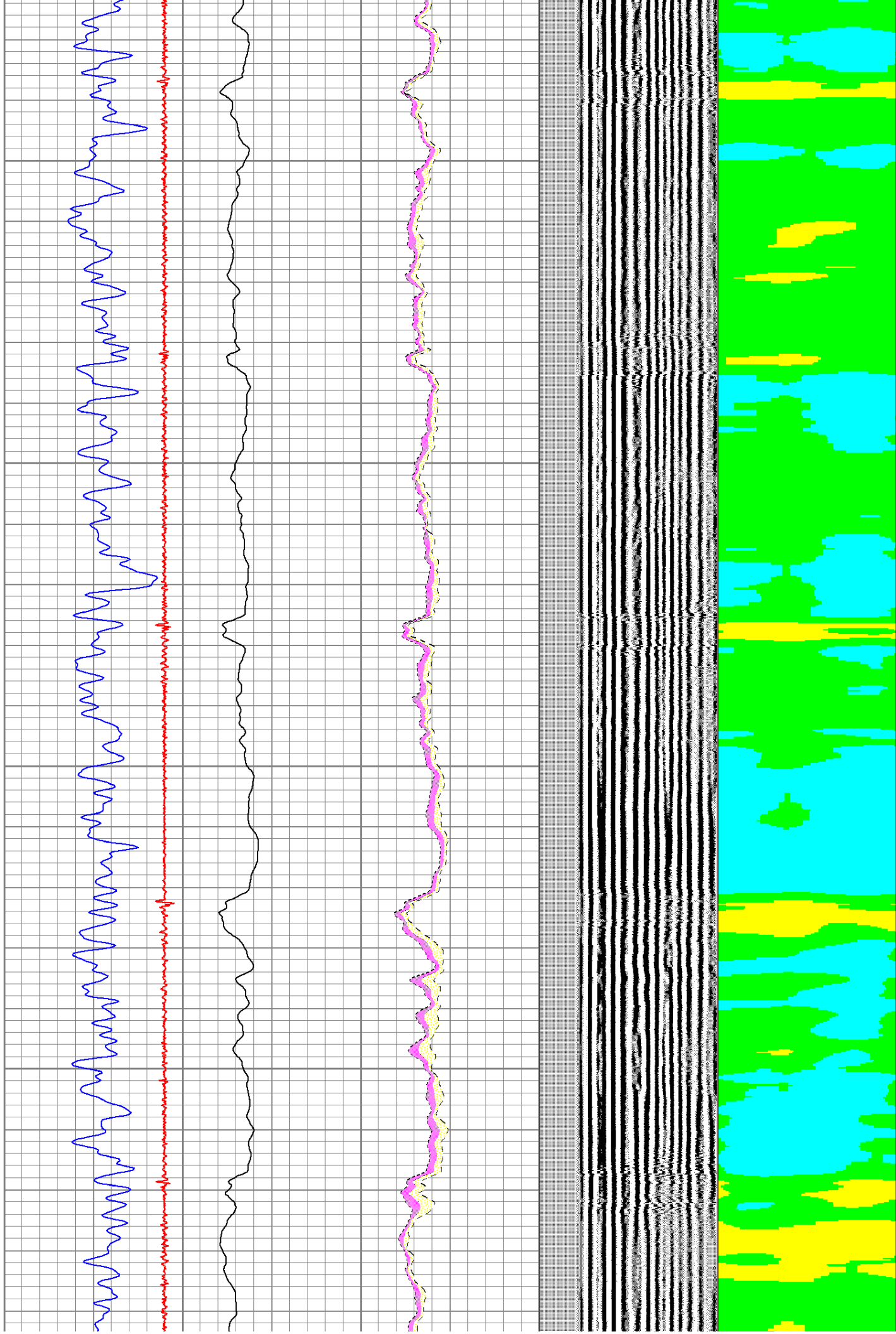
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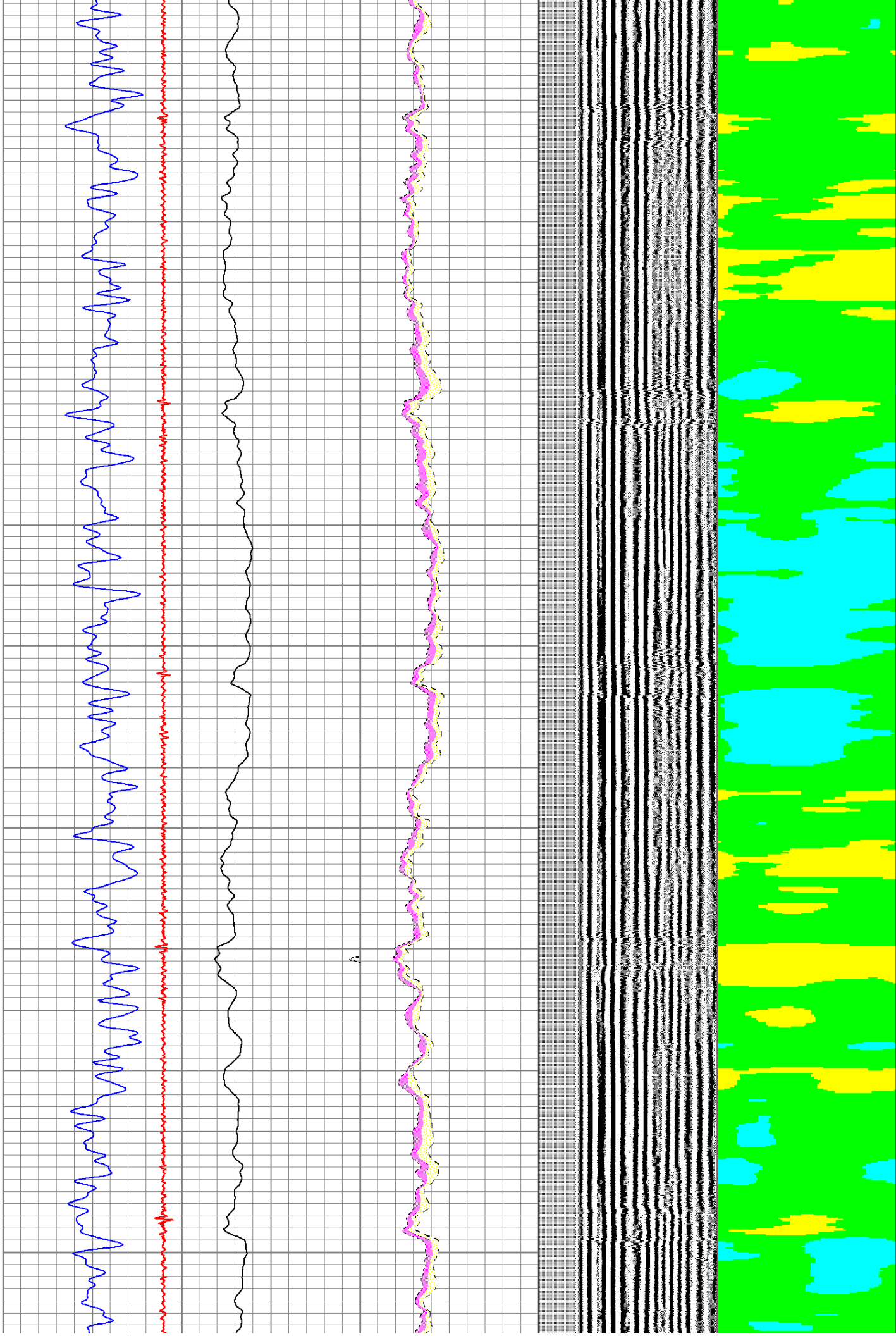
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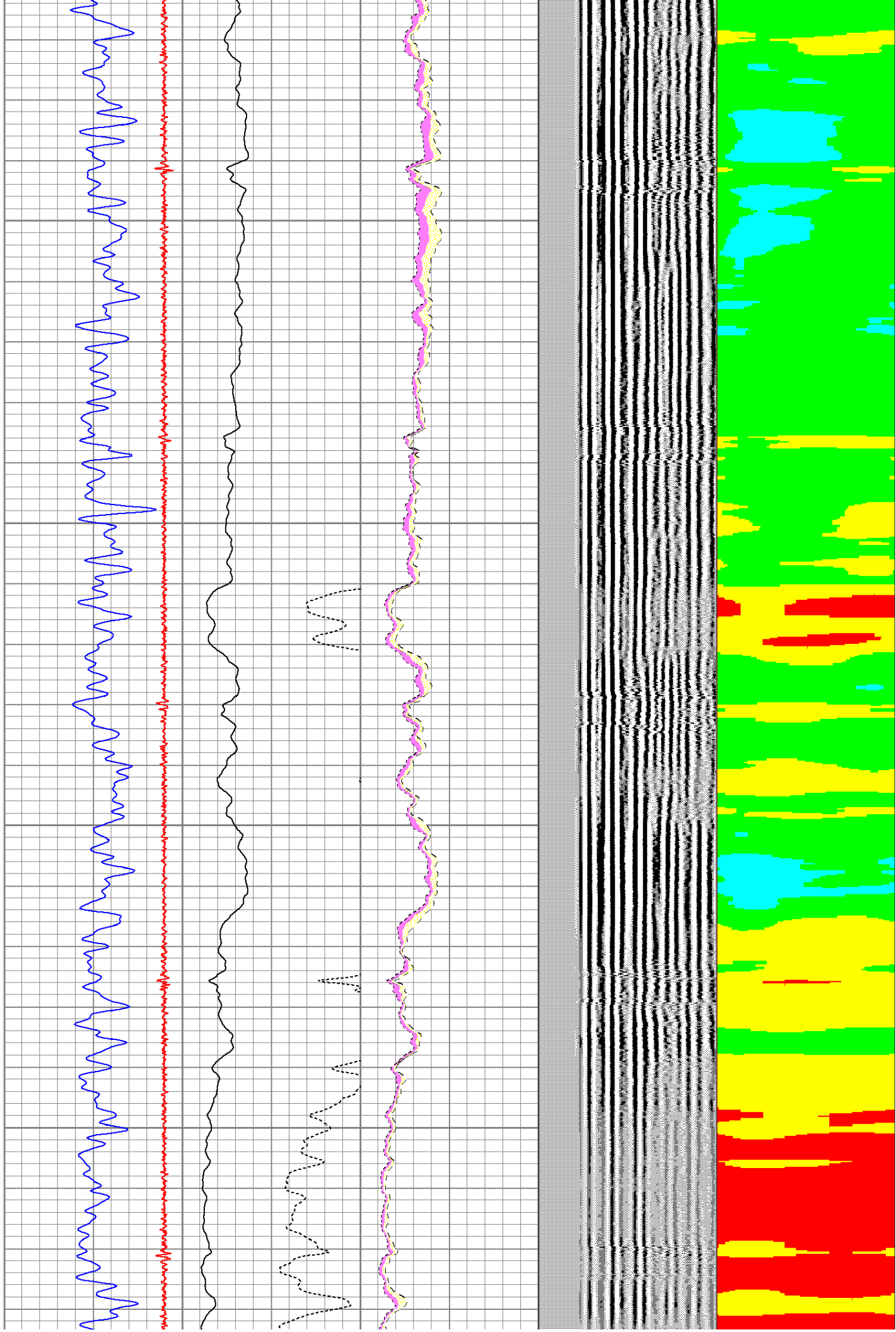
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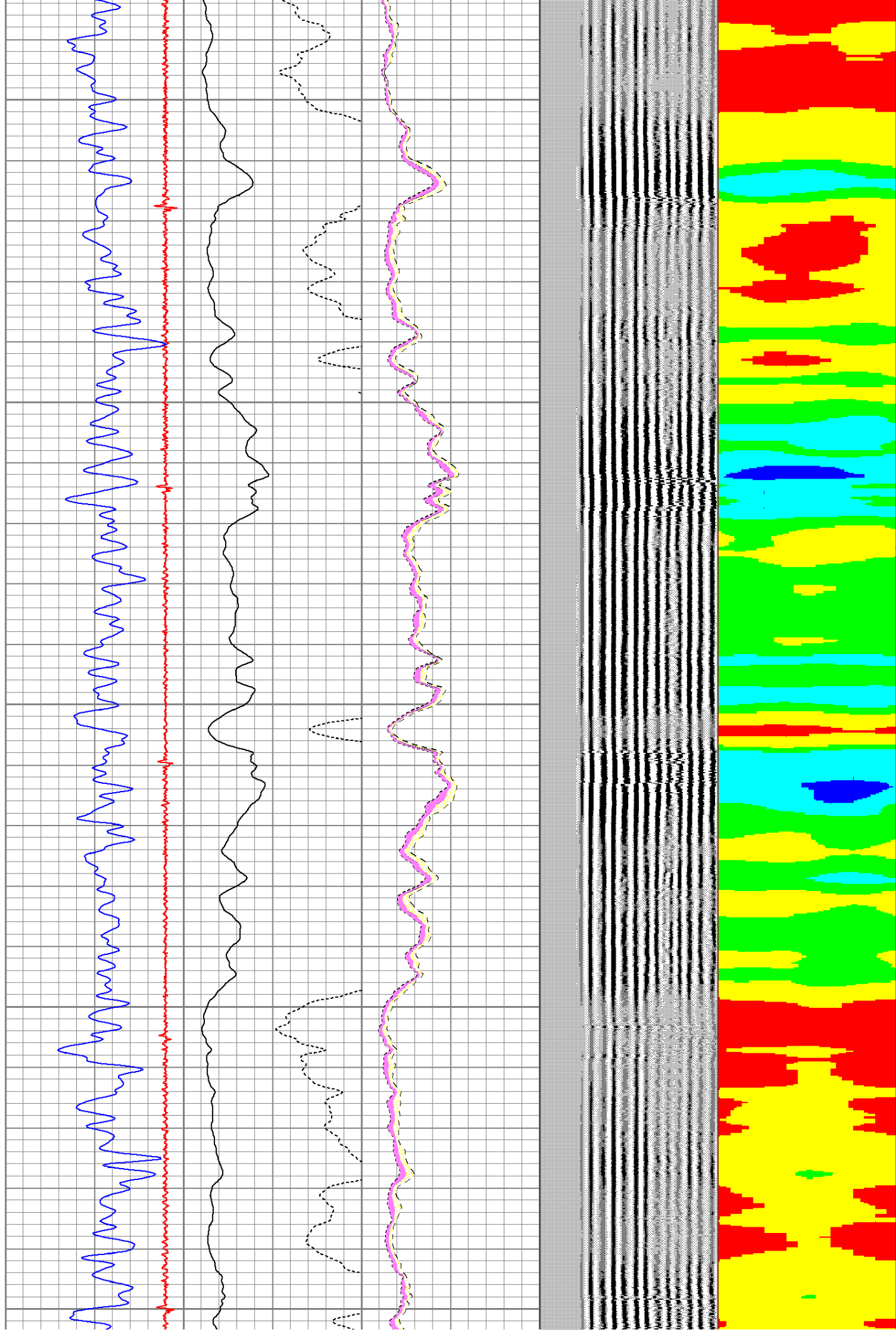
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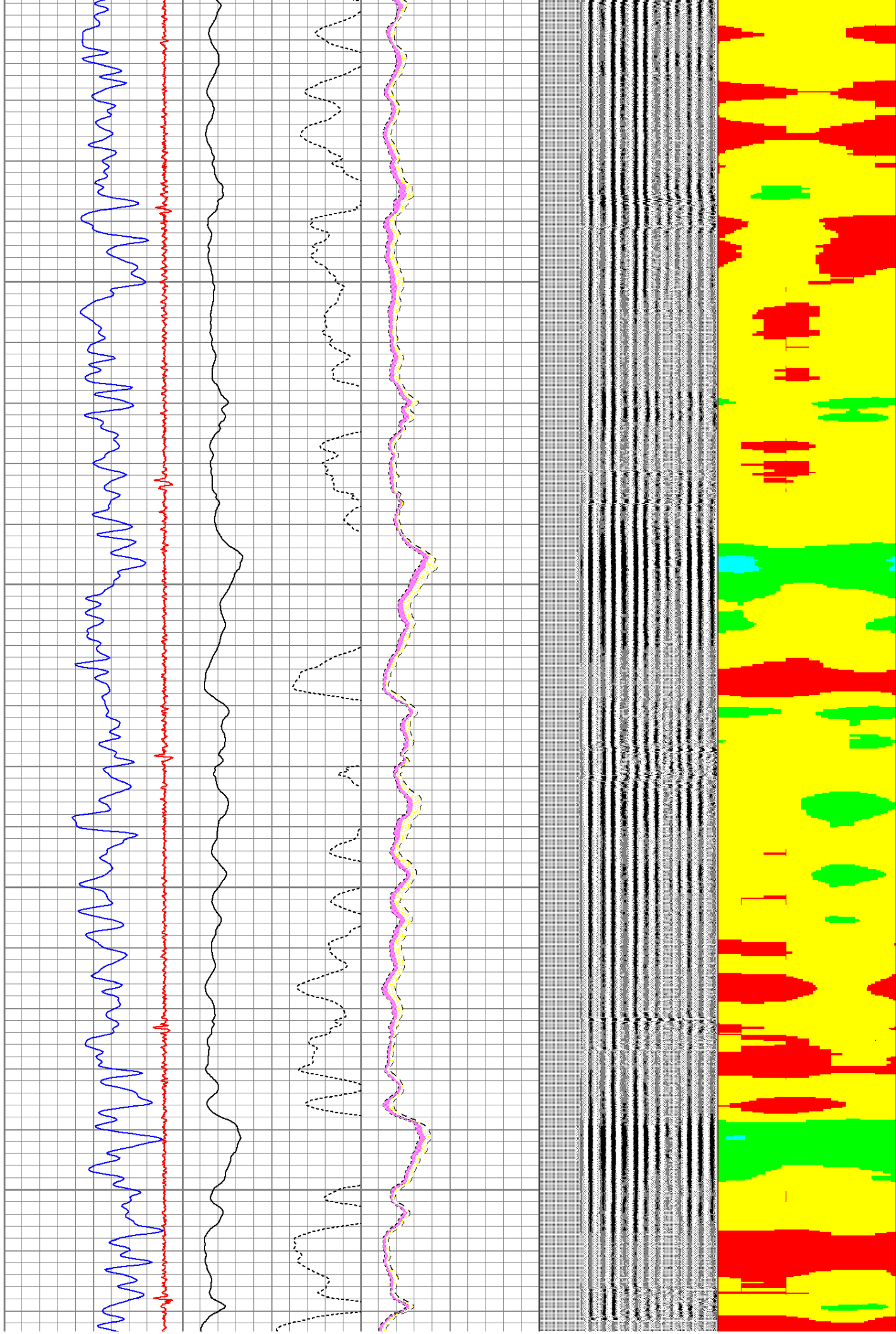
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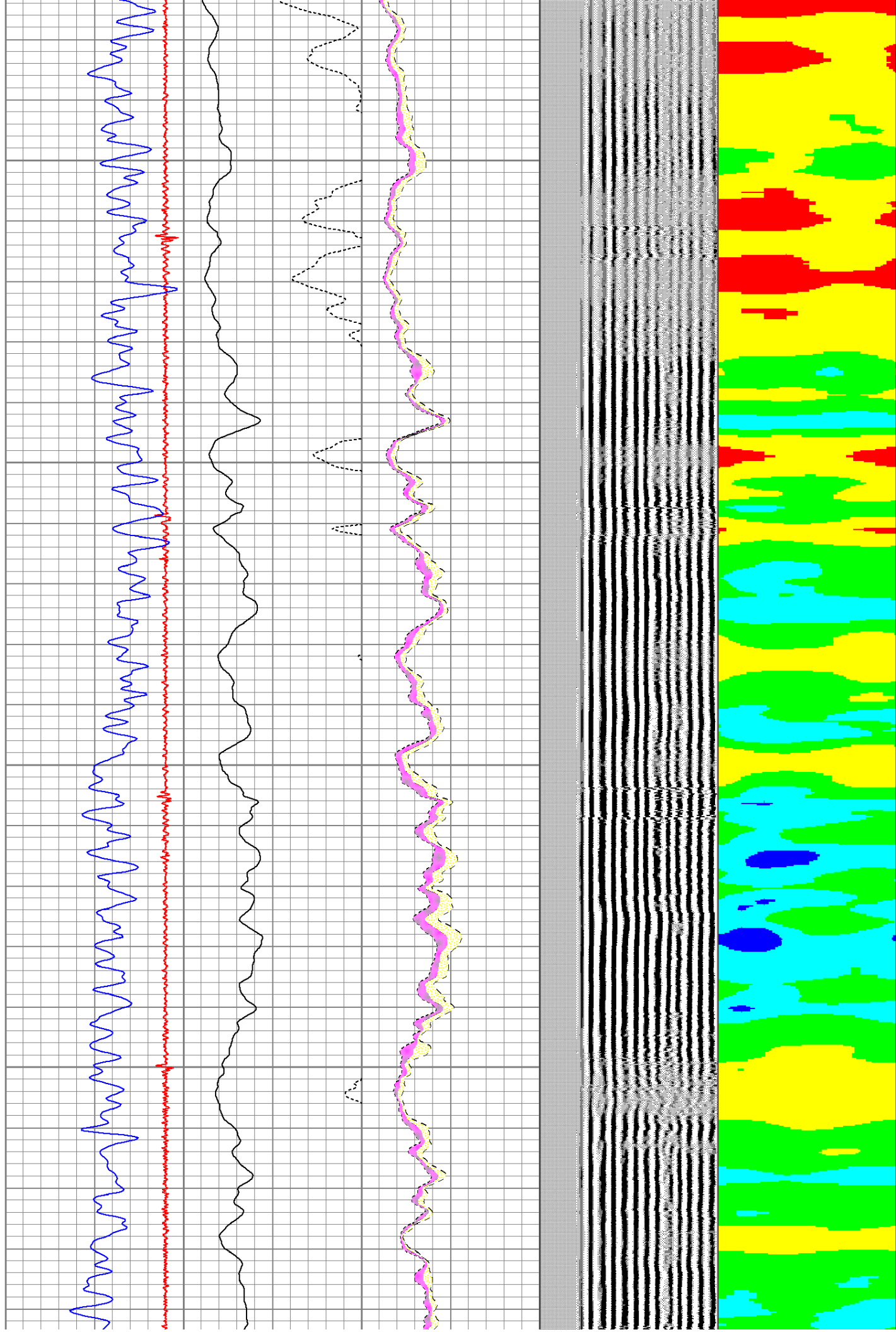
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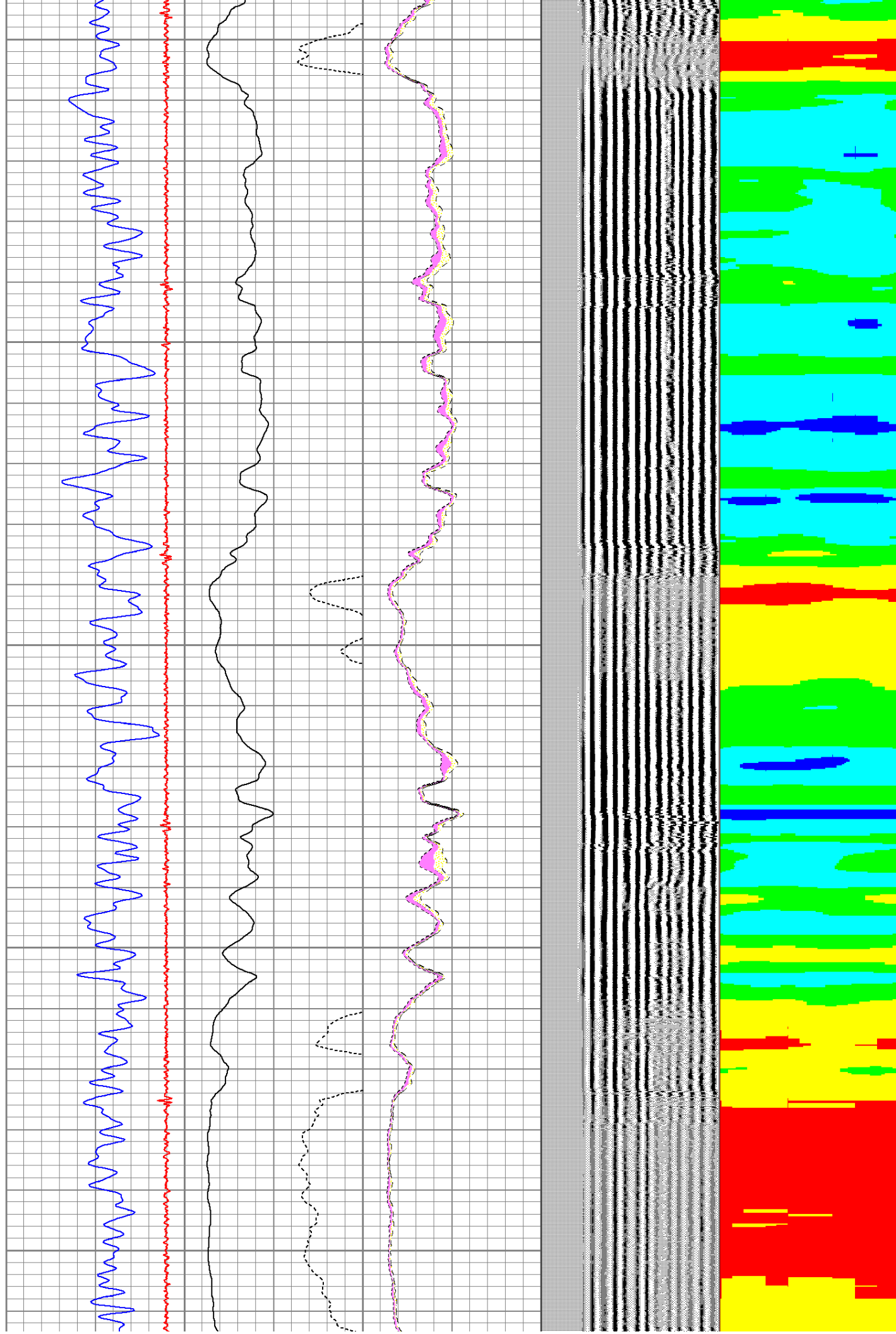
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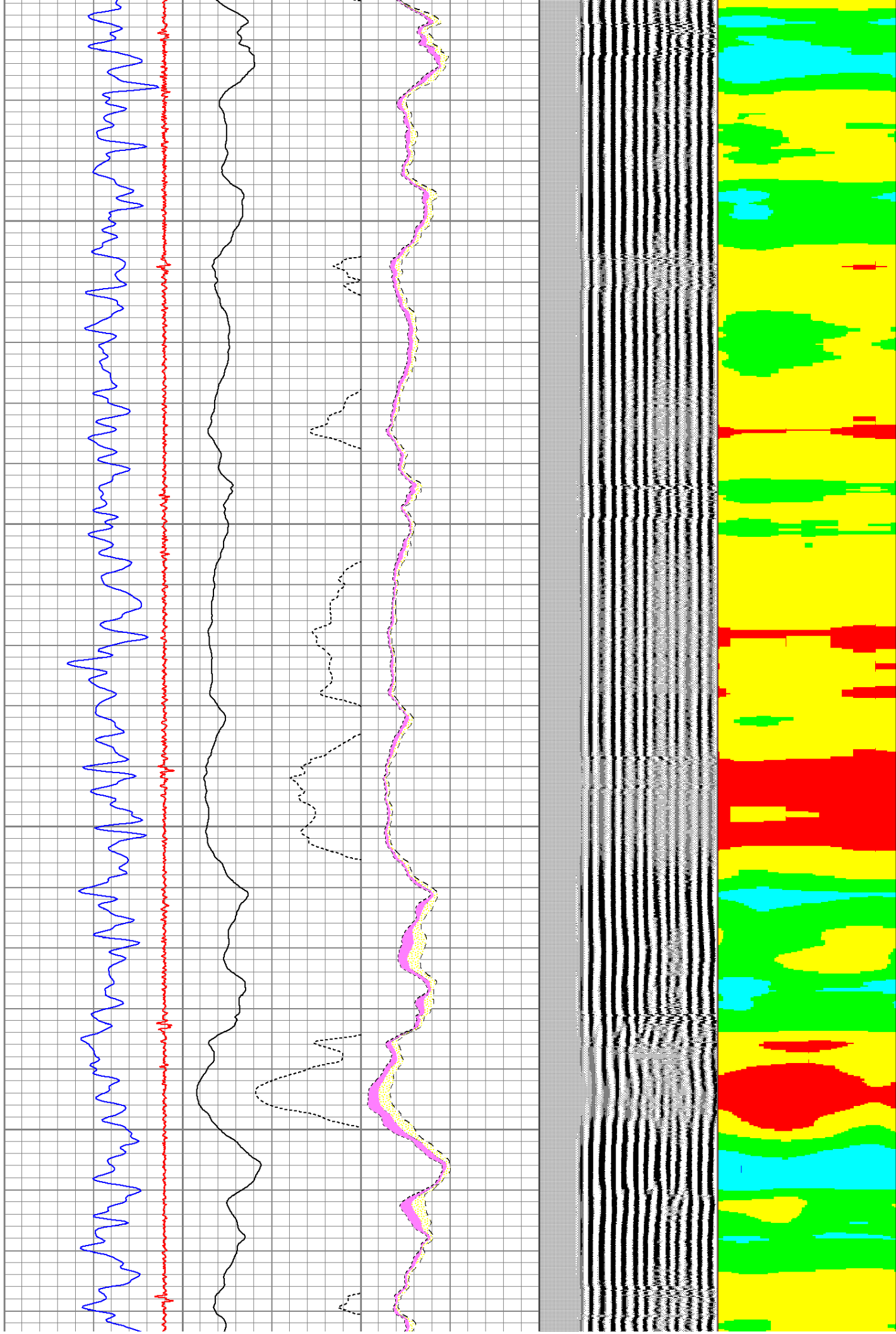
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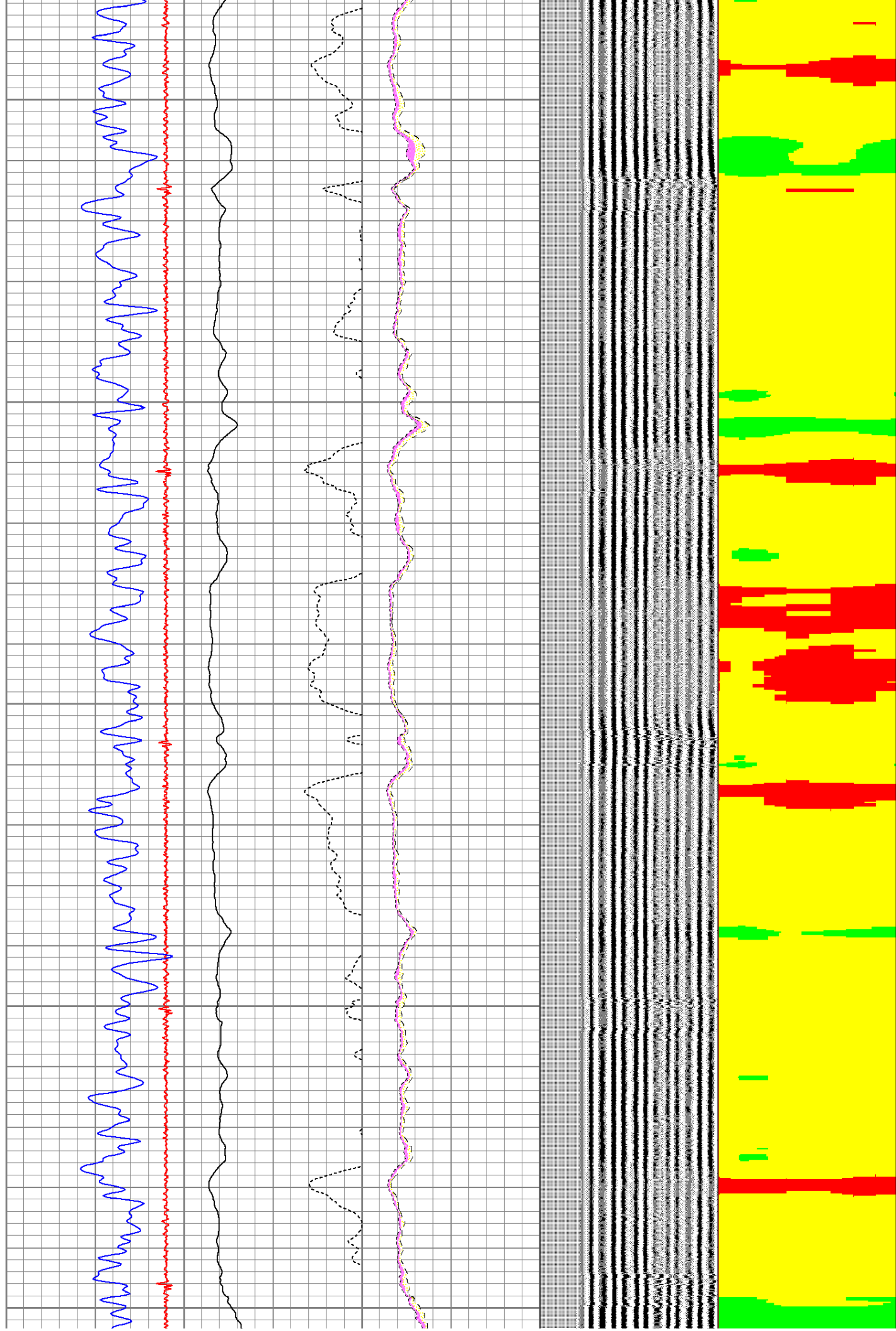
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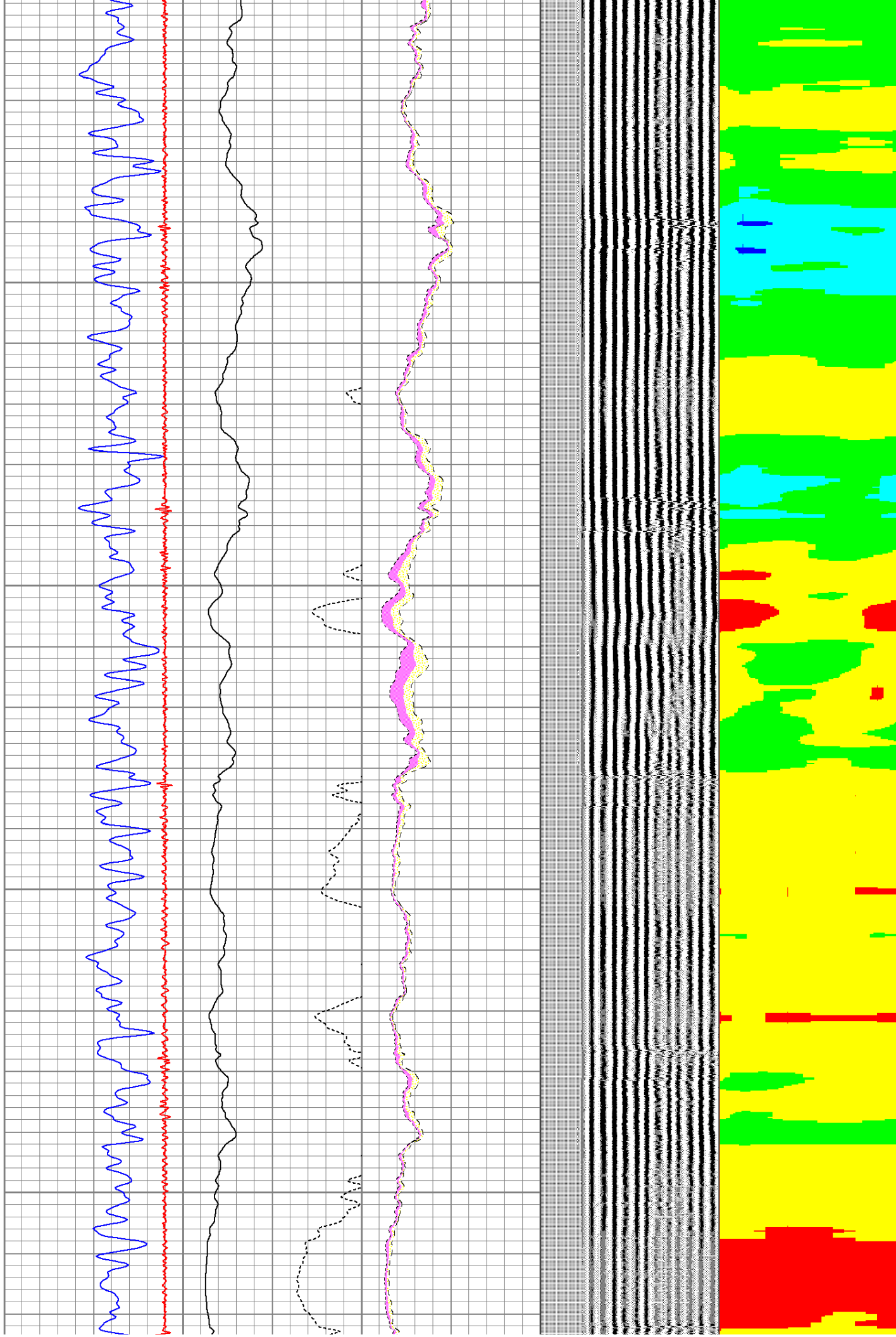
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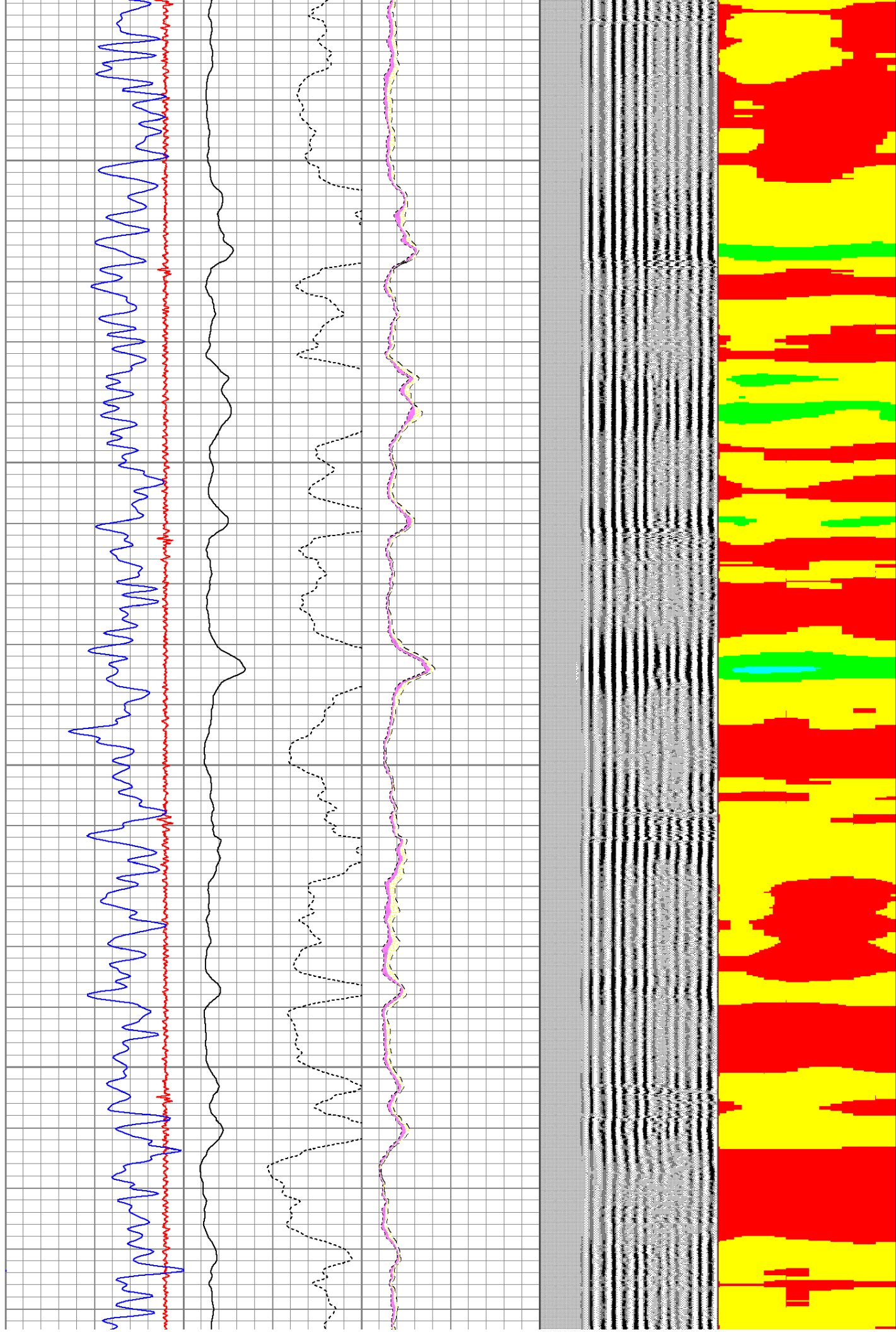
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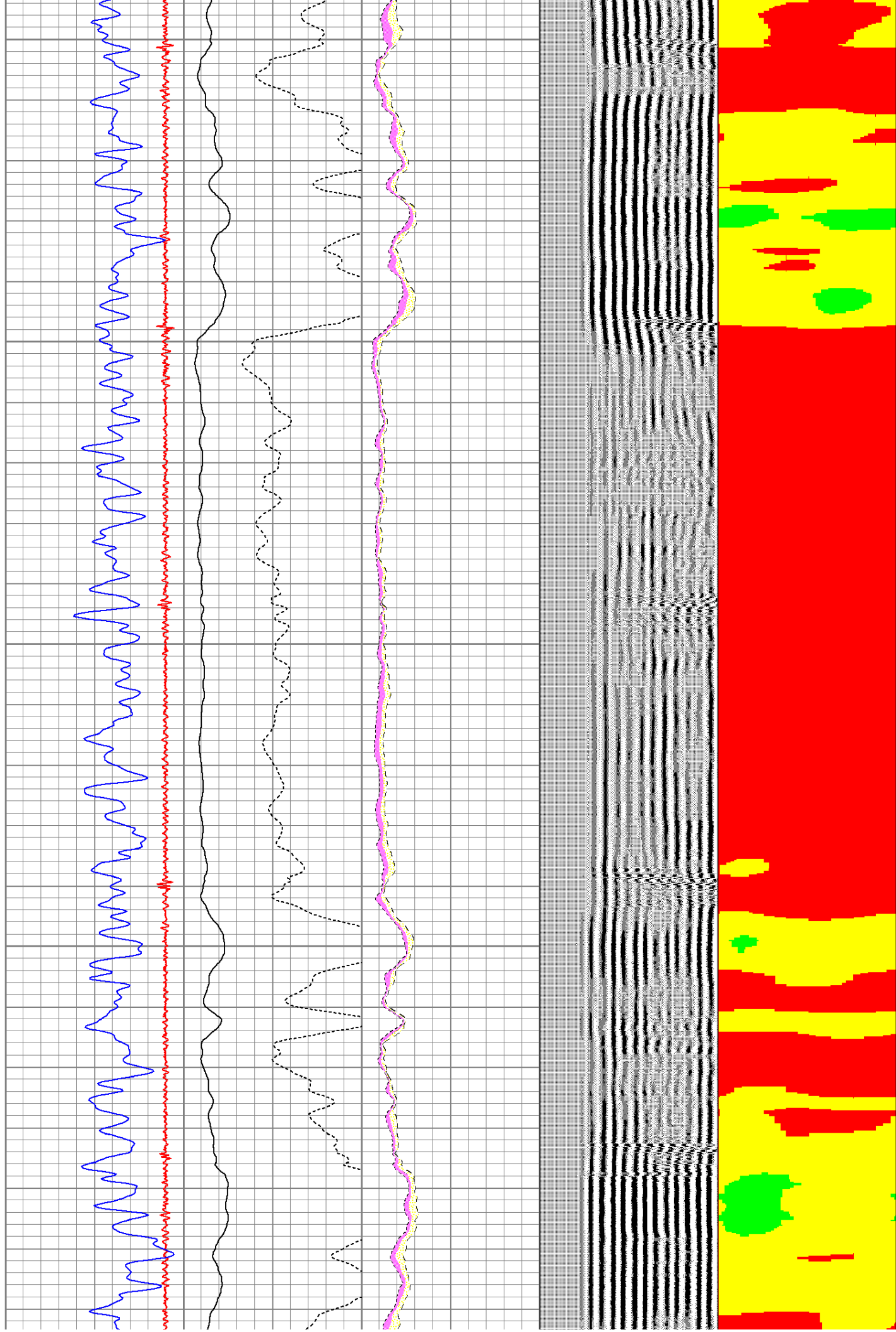
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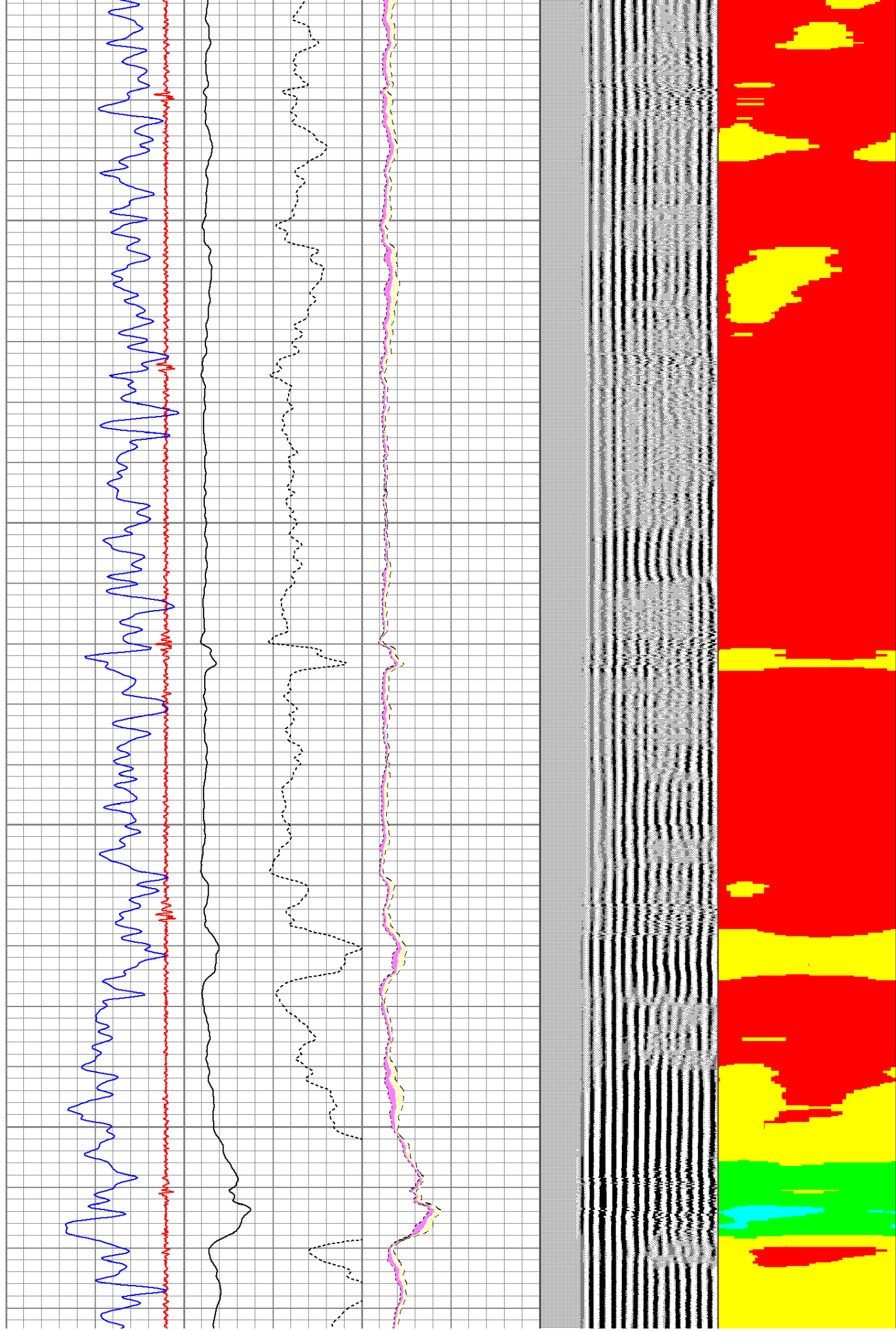
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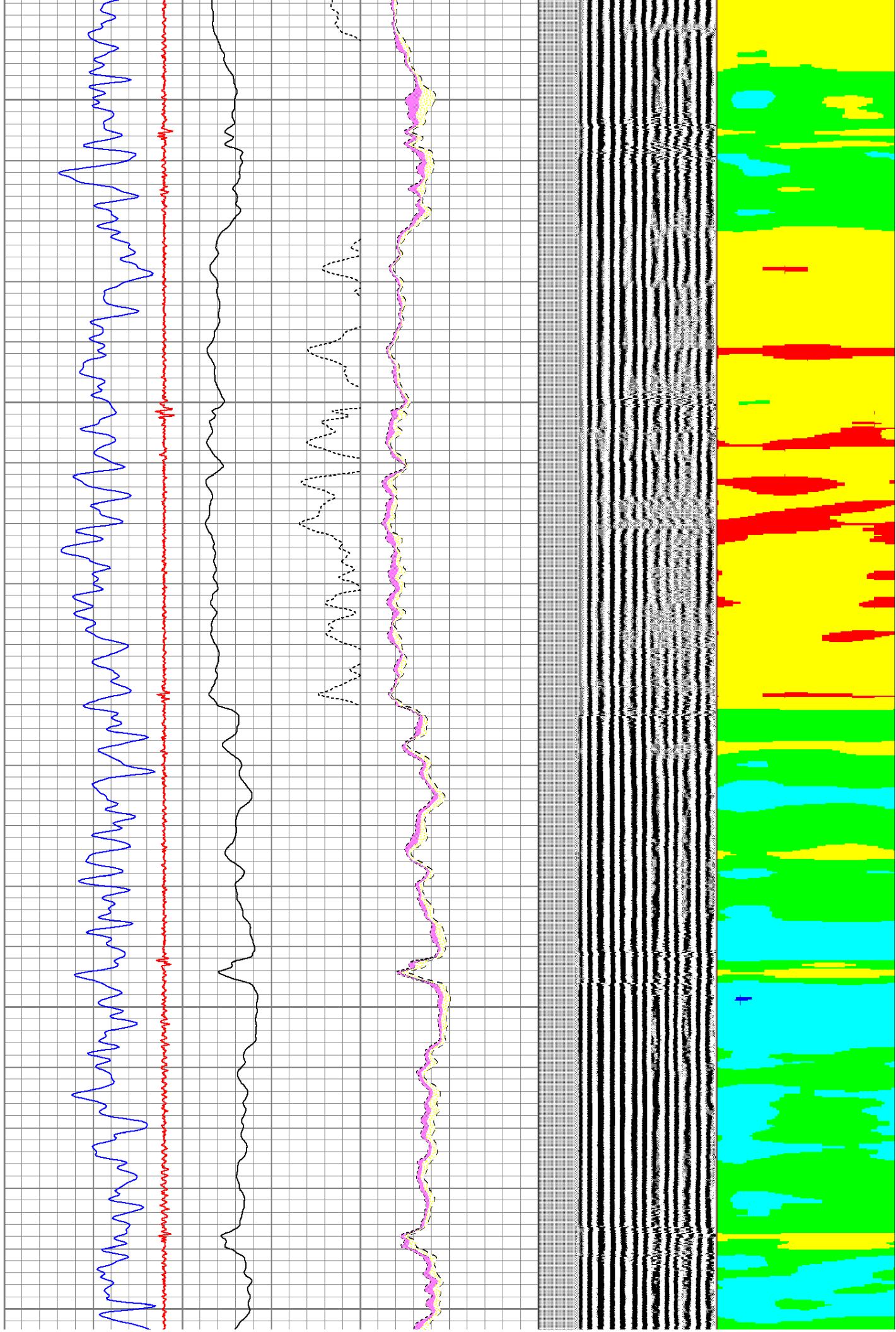
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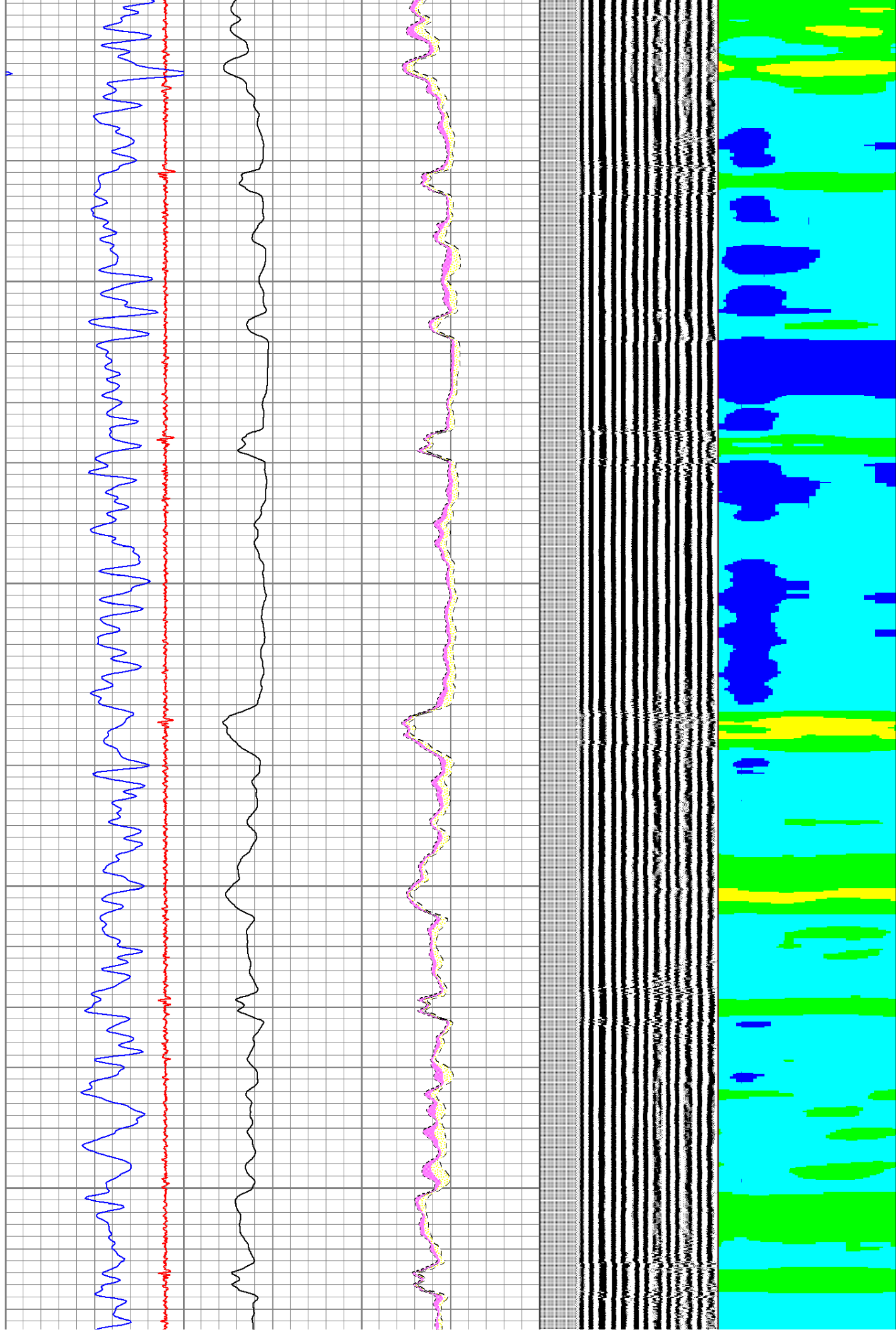
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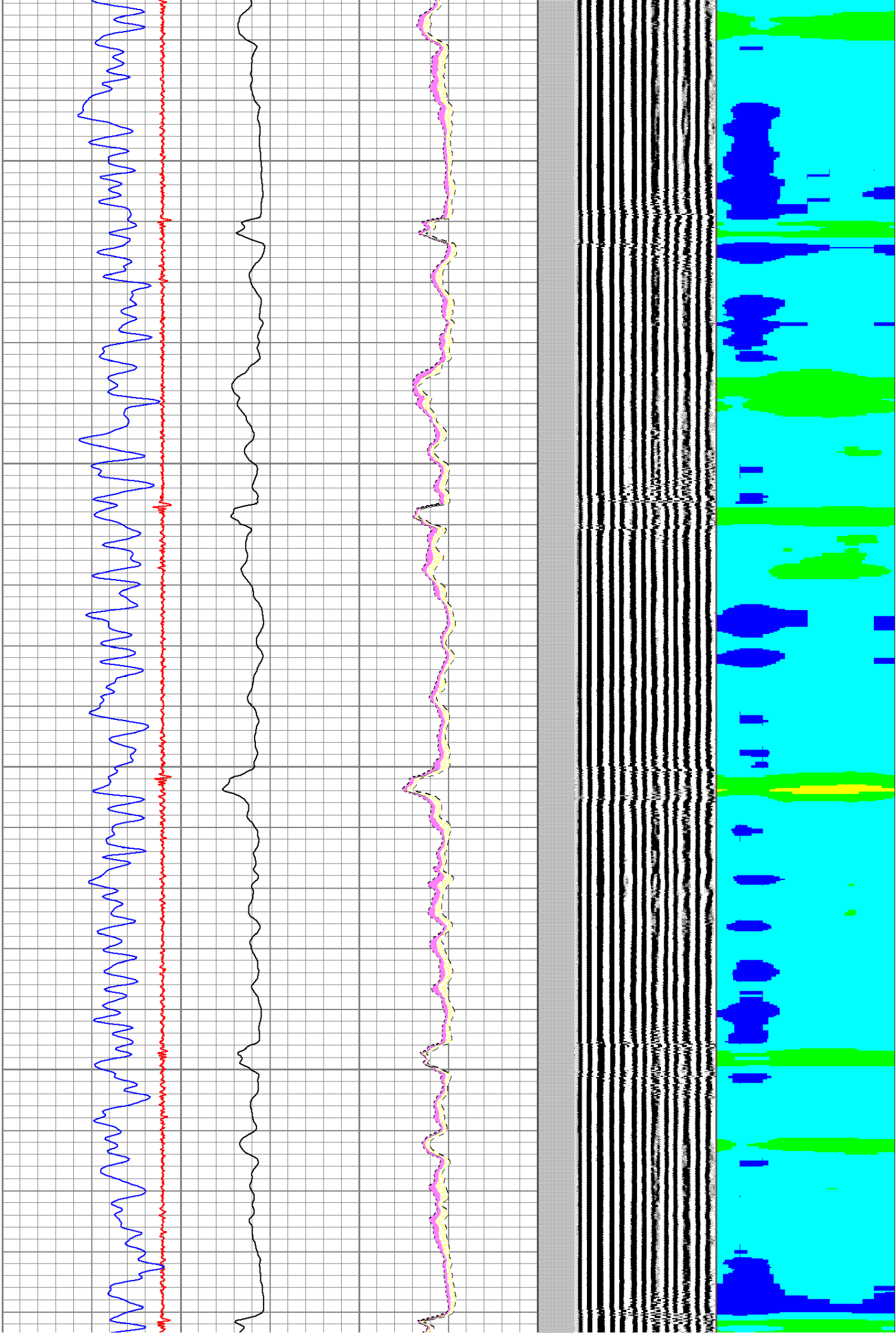
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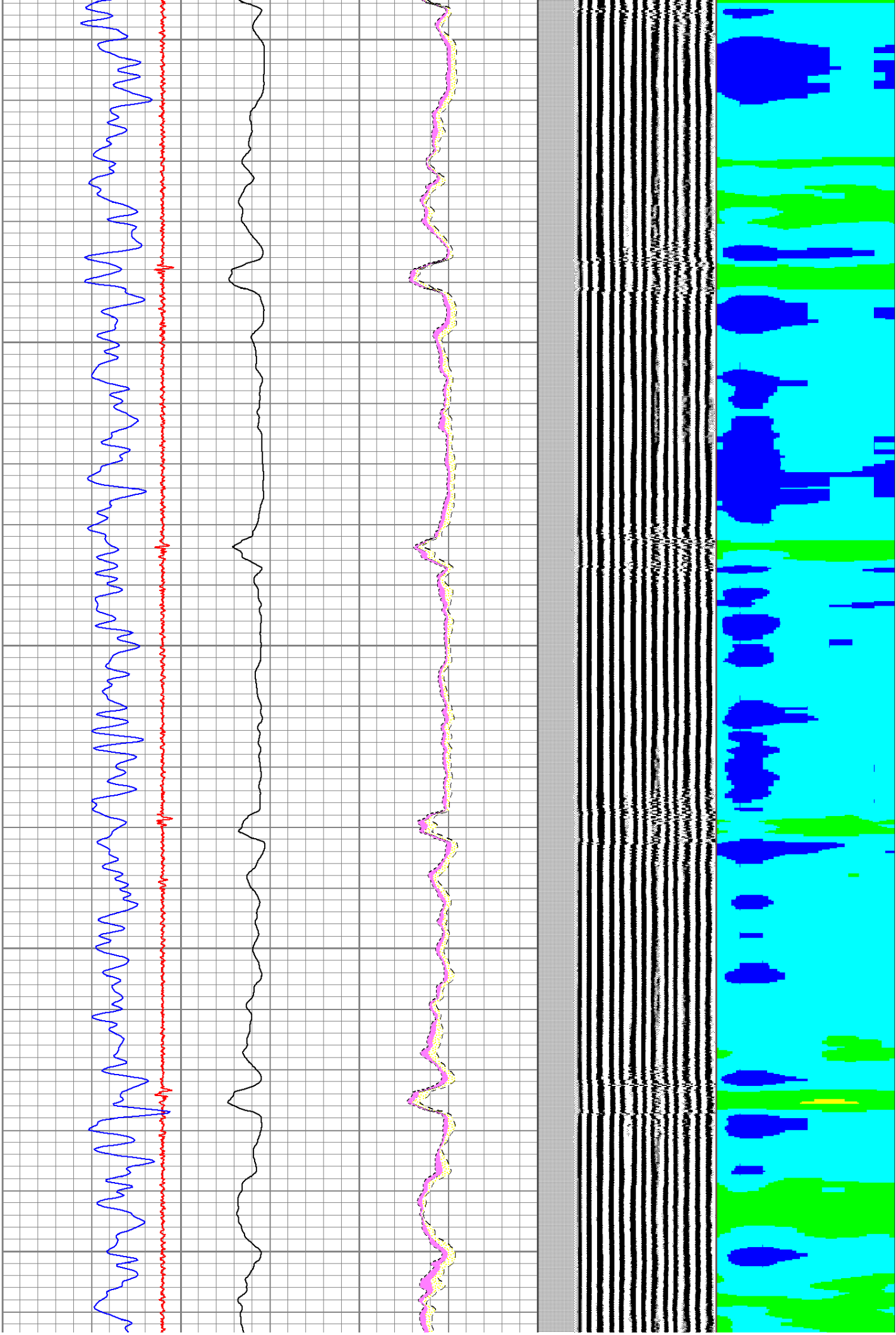
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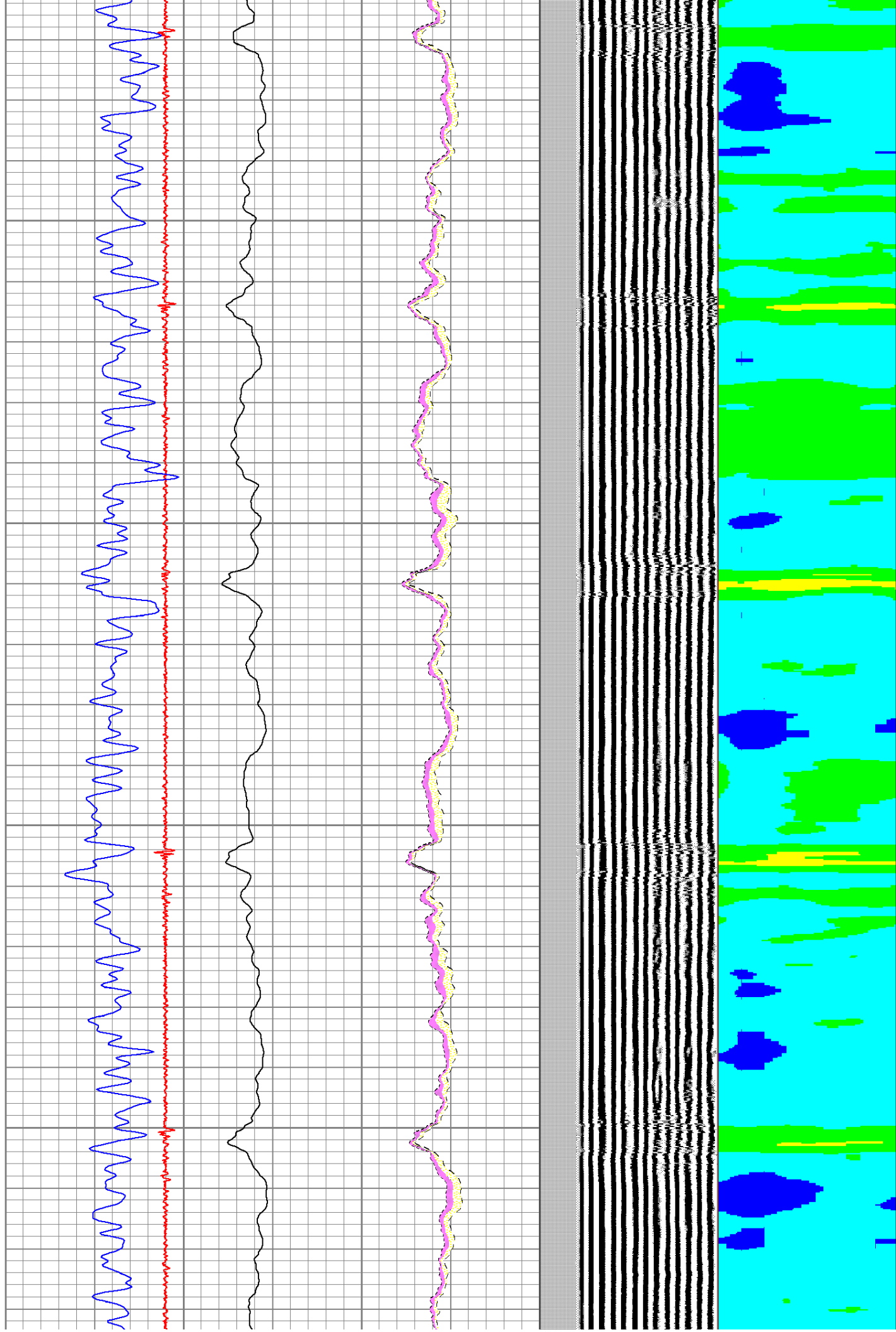
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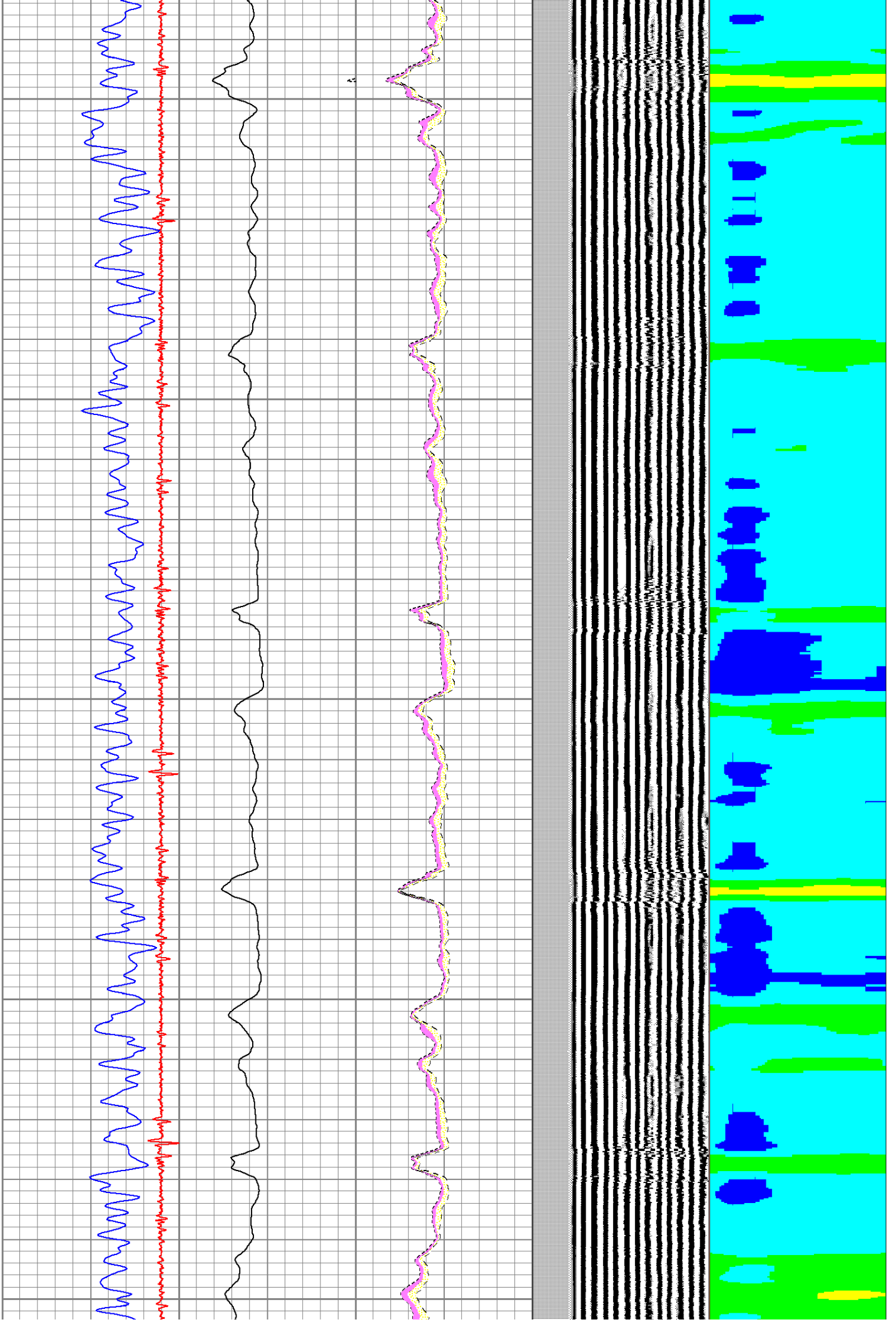
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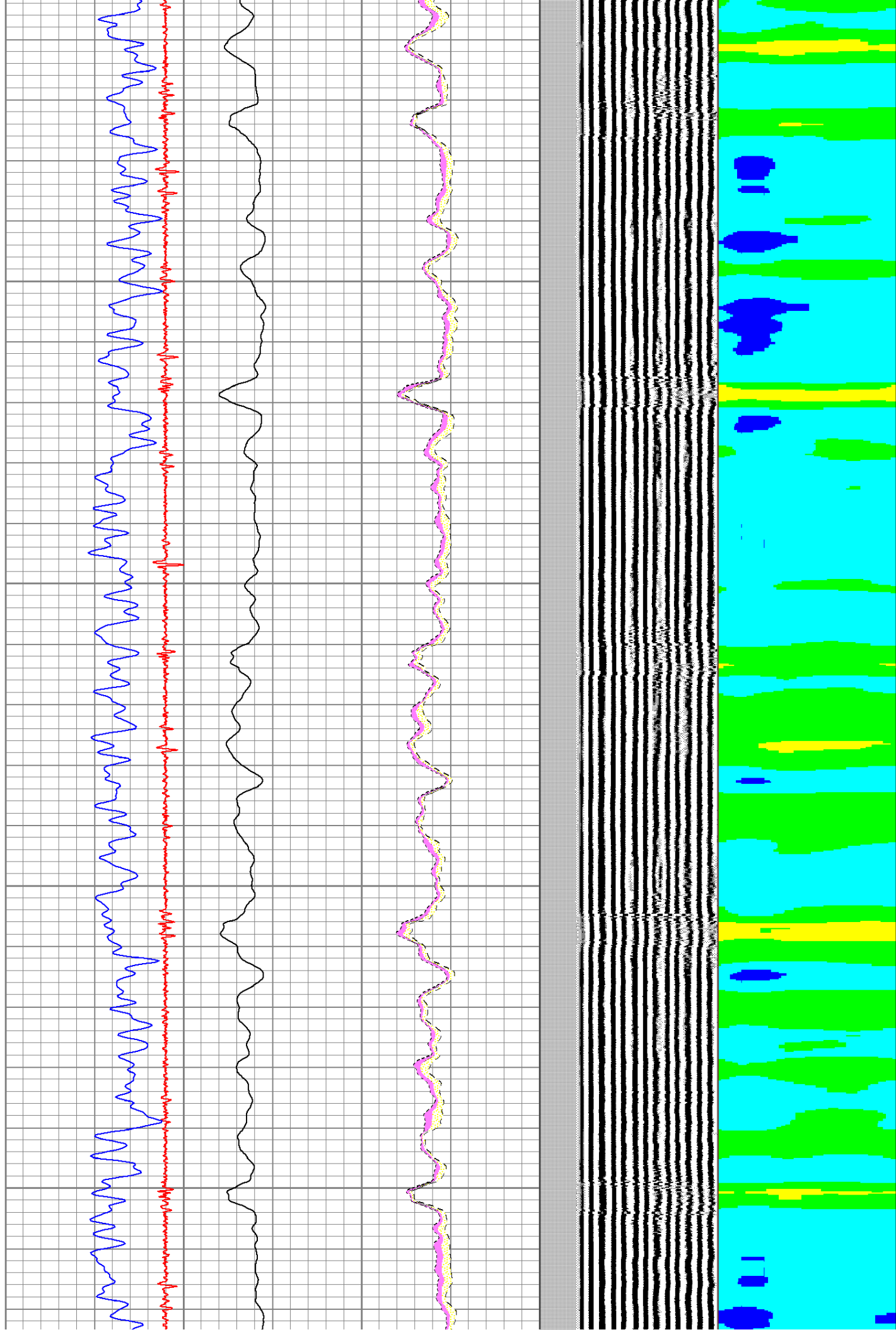
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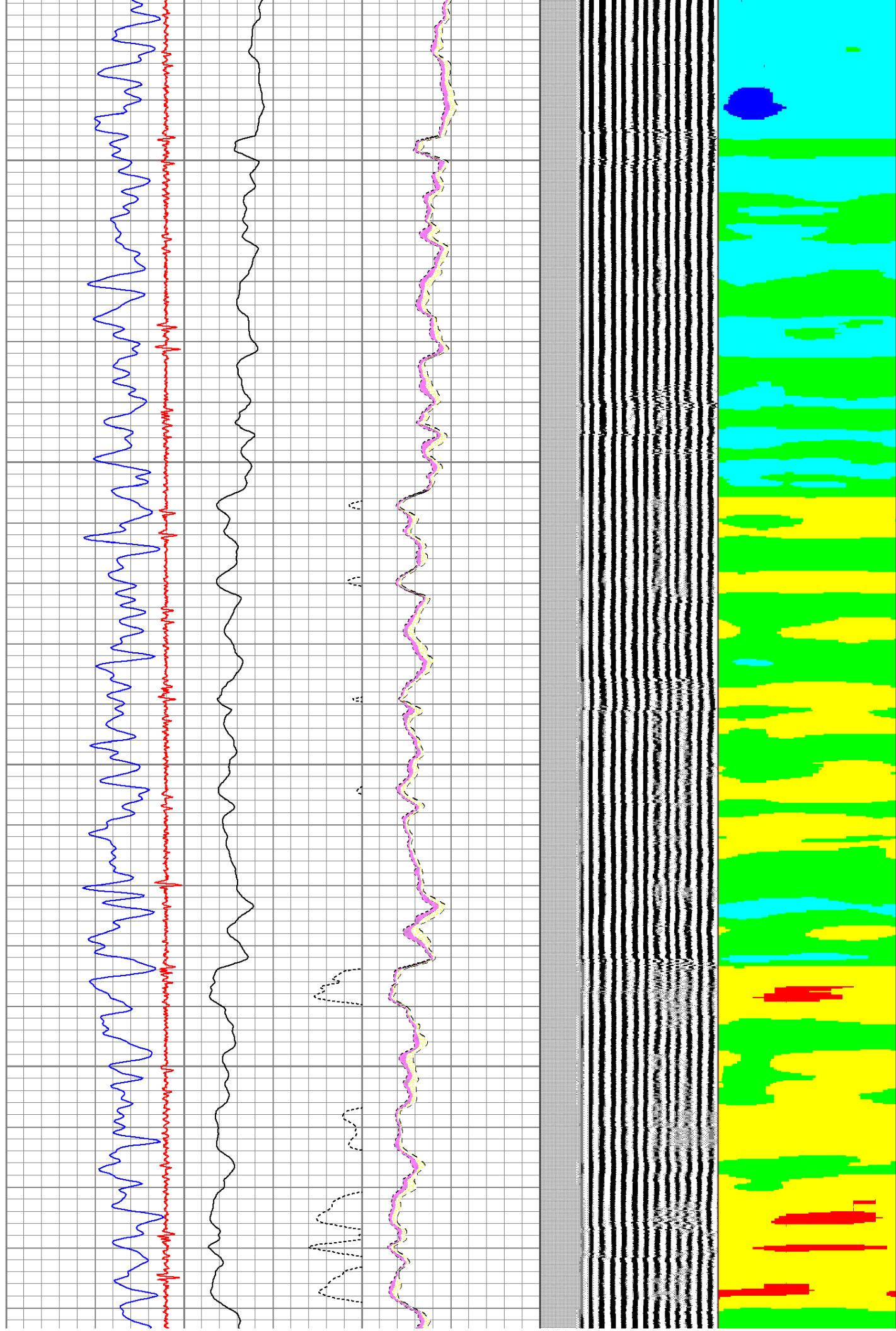
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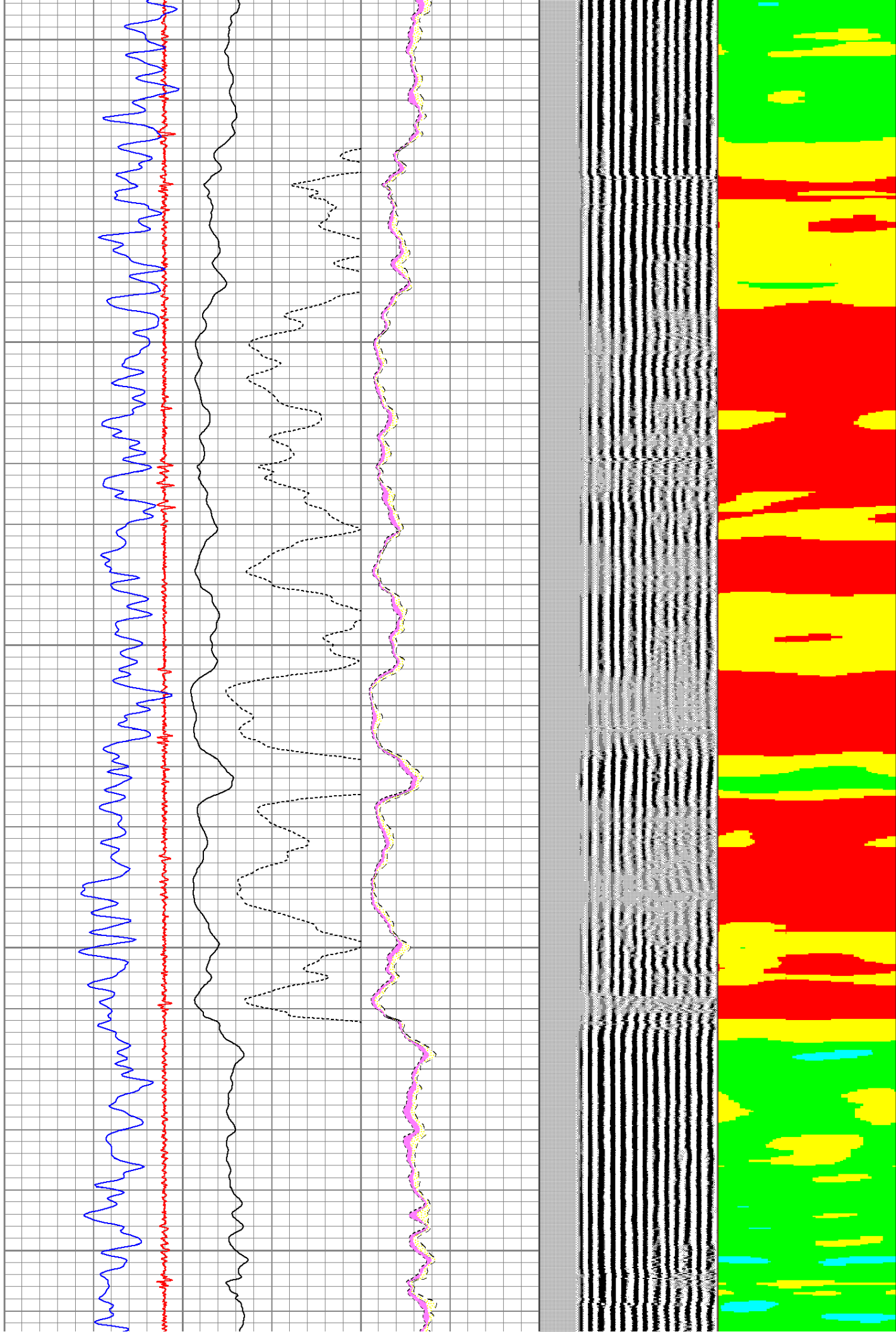
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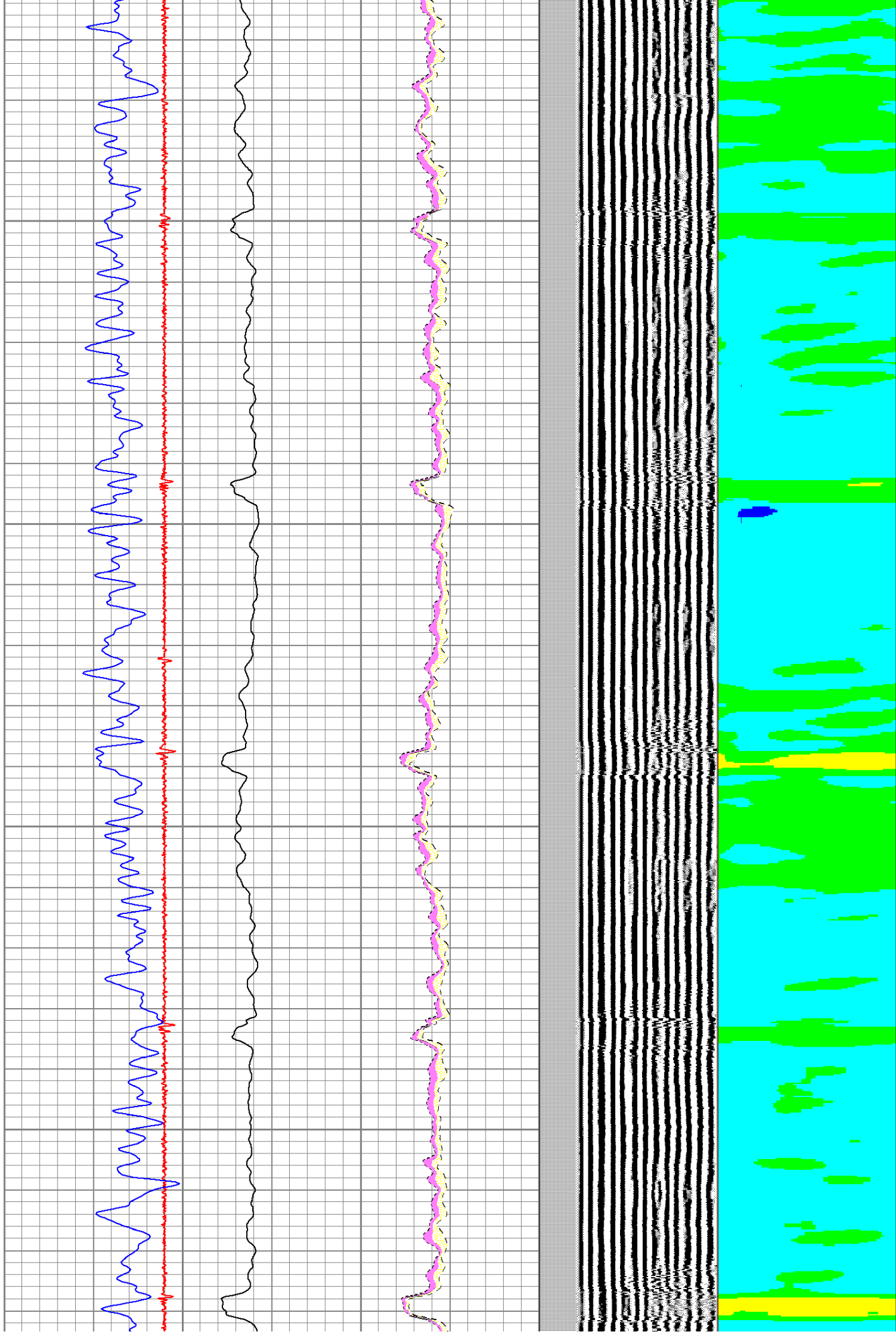
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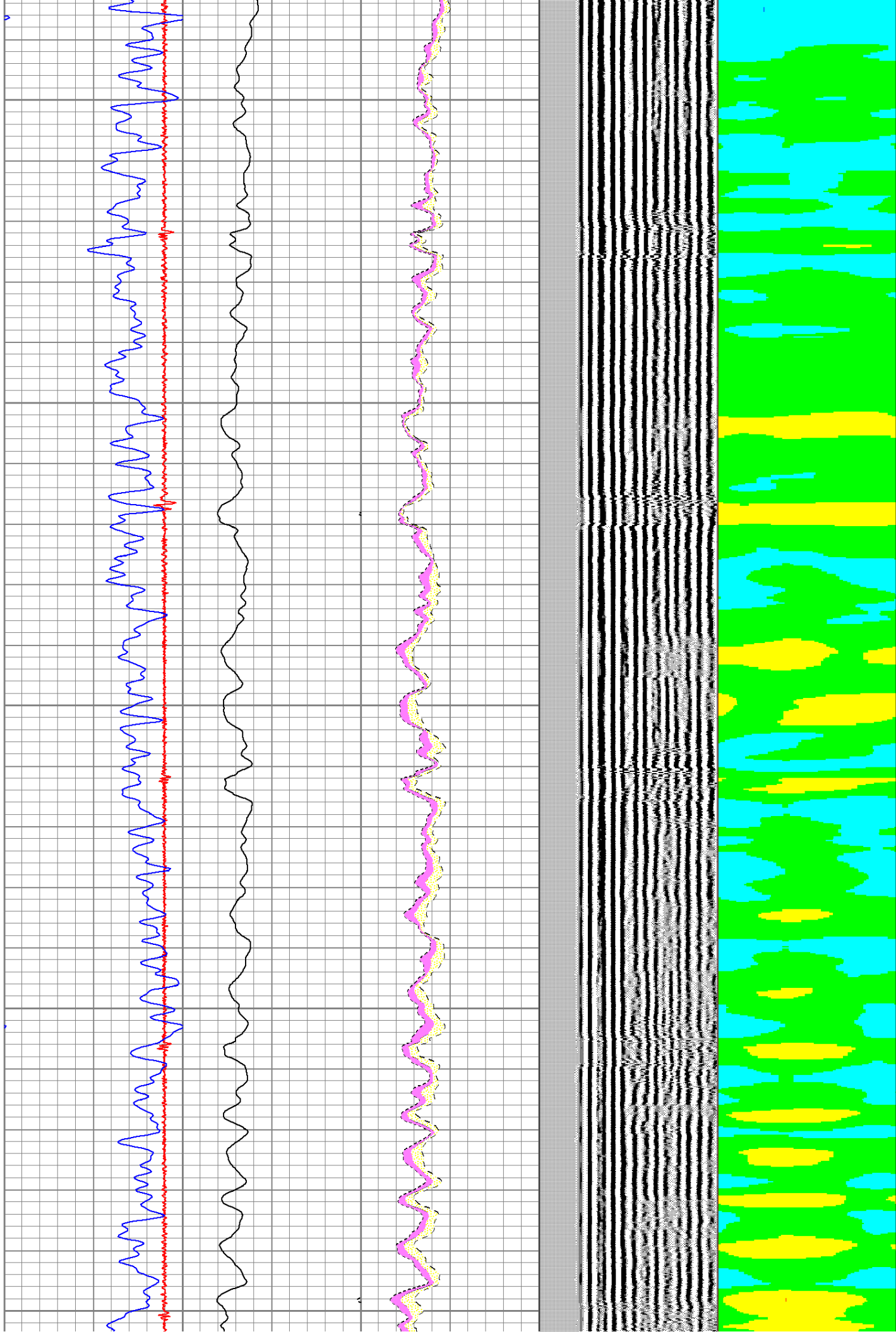
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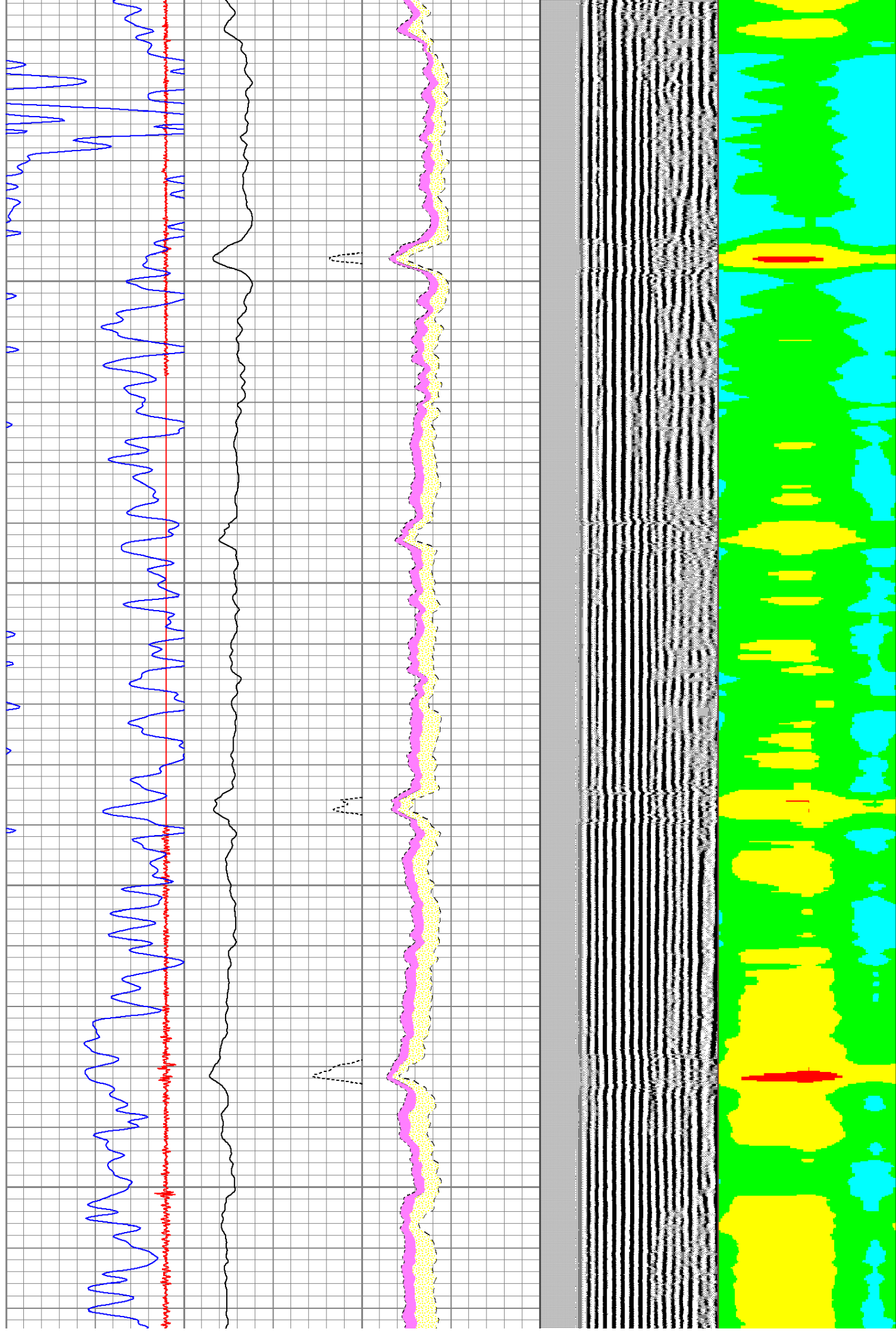
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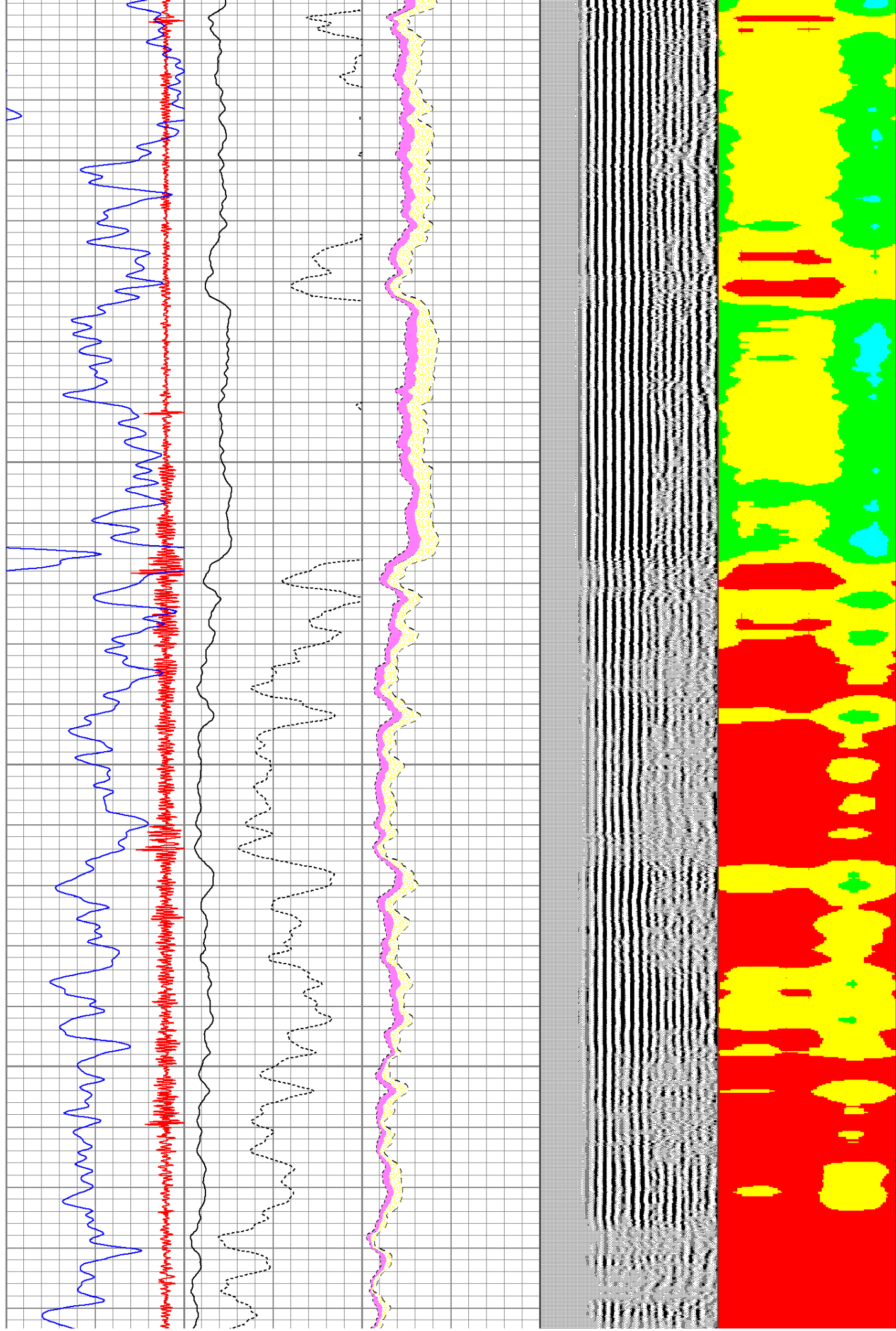
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