



RADIAL BOND, C.C.L.
GAMMA-RAY & V.D.L.

Pioneer Energy Services

Company ENCANA OIL & GAS
Well STATE PETERSON 2C-20H
Field WATTENBERG
County WELD State COLO.

Location: SURFACE 1292' FNL & 1298' FWL
BH 1102' FNL & 736' FWL
SEC 20 TWP 5N RGE 63W
API #: 05123366310000
Other Services NONE

Permanent Datum GL Elevation 4579
Log Measured From KB
Drilling Measured From KB
Elevation K.B. 4592
D.F. 4591
G.L. 4579

Company ENCANA OIL & GAS
Well STATE PETERSON 2C-20H
Field WATTENBERG
County WELD
State COLO.

Date	4-5-13
Run Number	1
Depth Driller	7205
Depth Logger	7024
Bottom Logged Interval	7012
Top Log Interval	SURFACE
Open Hole Size	8.75"
Type Fluid	CHEM GEL
Density / Viscosity	10.4
Max. Recorded Temp.	210
Estimated Cement Top	825
Time Well Ready	ROA
Time Logger on Bottom	AM
Equipment Number	24
Location	FT. MORGAN
Recorded By	NATHAN BIVENS
Witnessed By	DENNIS ZAROSKY

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record							
Surface String				Size	Wgt/Ft	Top	Bottom
Prot. String							
Production String				7"	26#		
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

S.O. #2-203891

THANK YOU FOR USING PIONEER ENERGY SERVICES

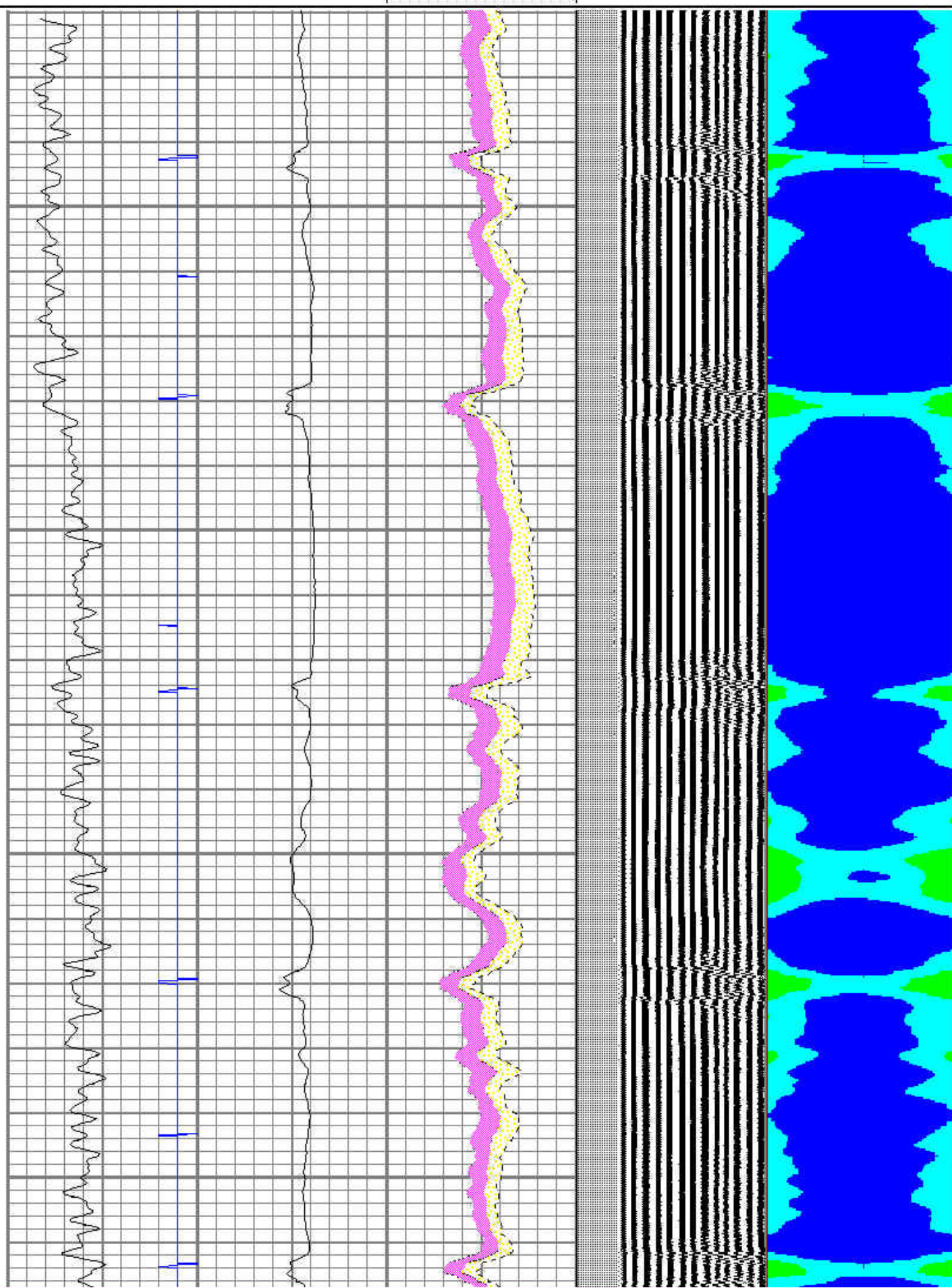
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

Tool Joint	Length (ft)	Weight (lb)	OD (in)	Notes	Length (ft)	Weight (lb)	OD (in)
PTS275	2.83	2.75					
WVF3FT	11.63						
WVFCAL	11.63						
WVFS1	11.63						
WVFS2	11.63						
WVFS3	11.63						
WVFS4	11.63						
WVFS5	11.63						
WVFS6	11.63						
WVFS7	11.63						
WVFS8	11.63						
WVF5FT	10.63						
RBT-Probe (4.5040904)	8.88	2.75	90.00	Prototype Probe RadII Bond Tool with Digital Telemetry			
PTS275	2.83	2.75					
CCL	3.63						
GR-Probe275 (030606)	4.54	2.75	57.00				
GR	0.89						
Dataset: state peterson 2c-20h encana.db: field/well/run1/pass7 Total Length: 19.08 ft Total Weight: 147.00 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)	150	0	AMPx5 (mV)	20	0	AMPMAX	150				25		75
						0	AMPMIN	150						

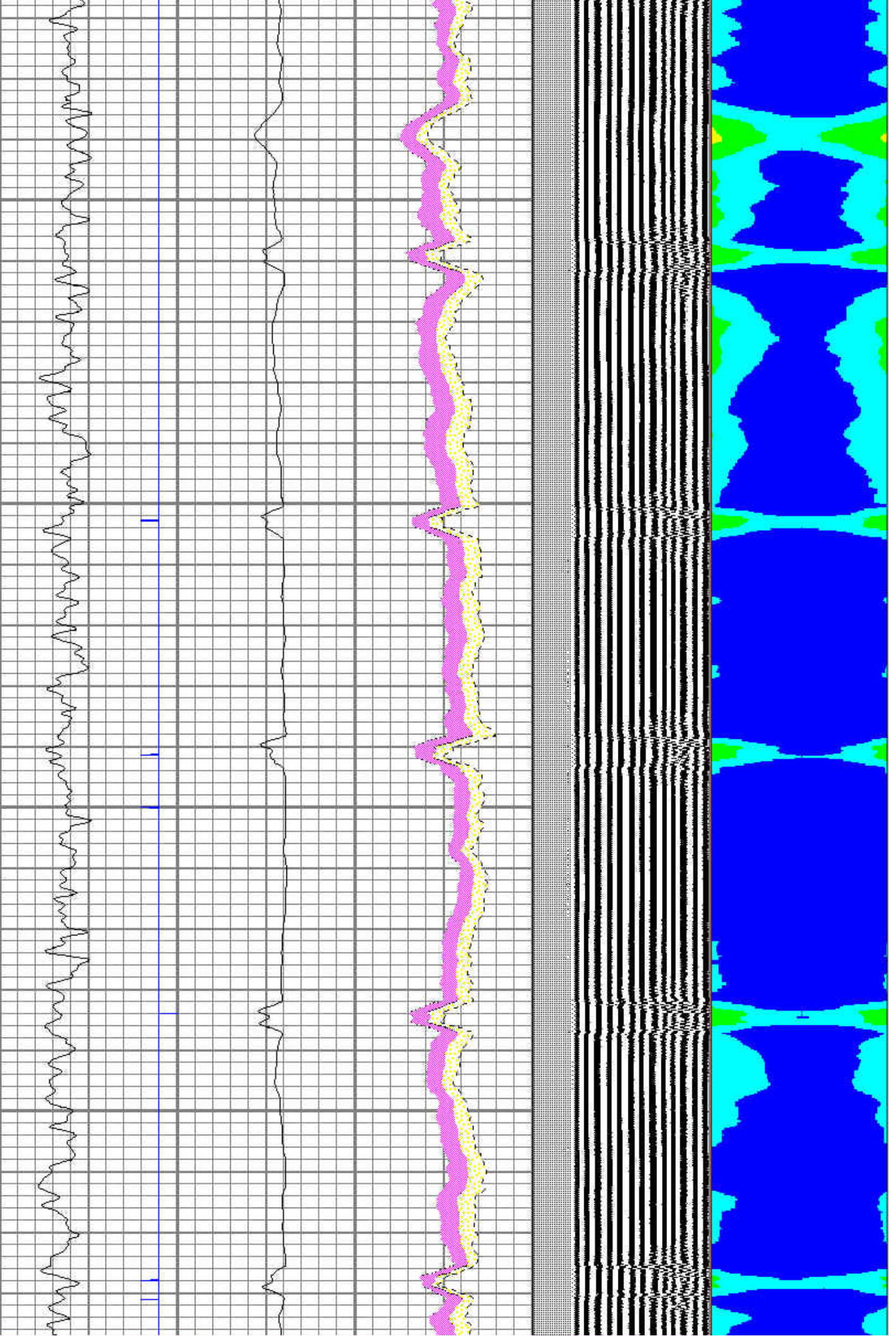
100

200



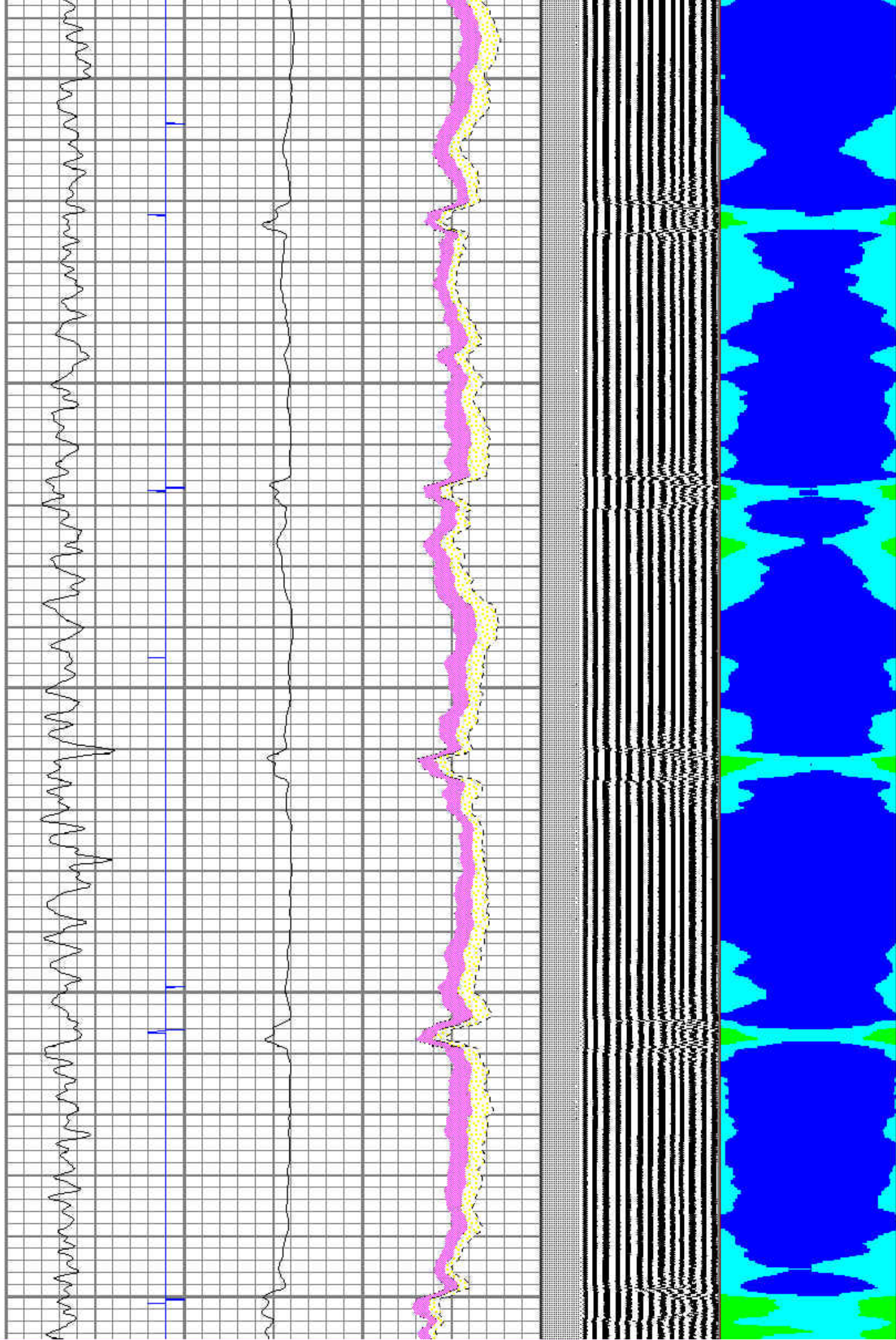
300

400



500

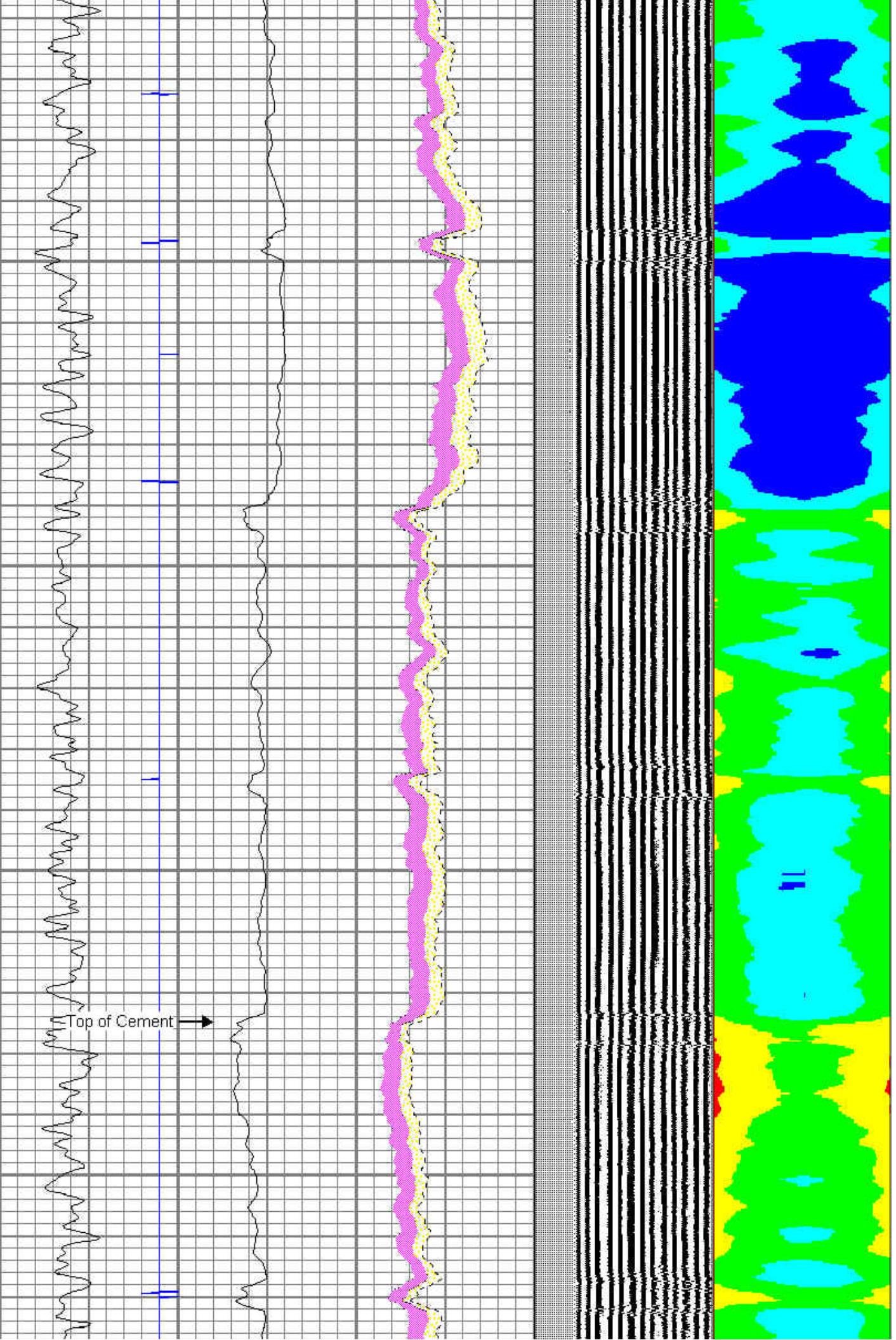
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700

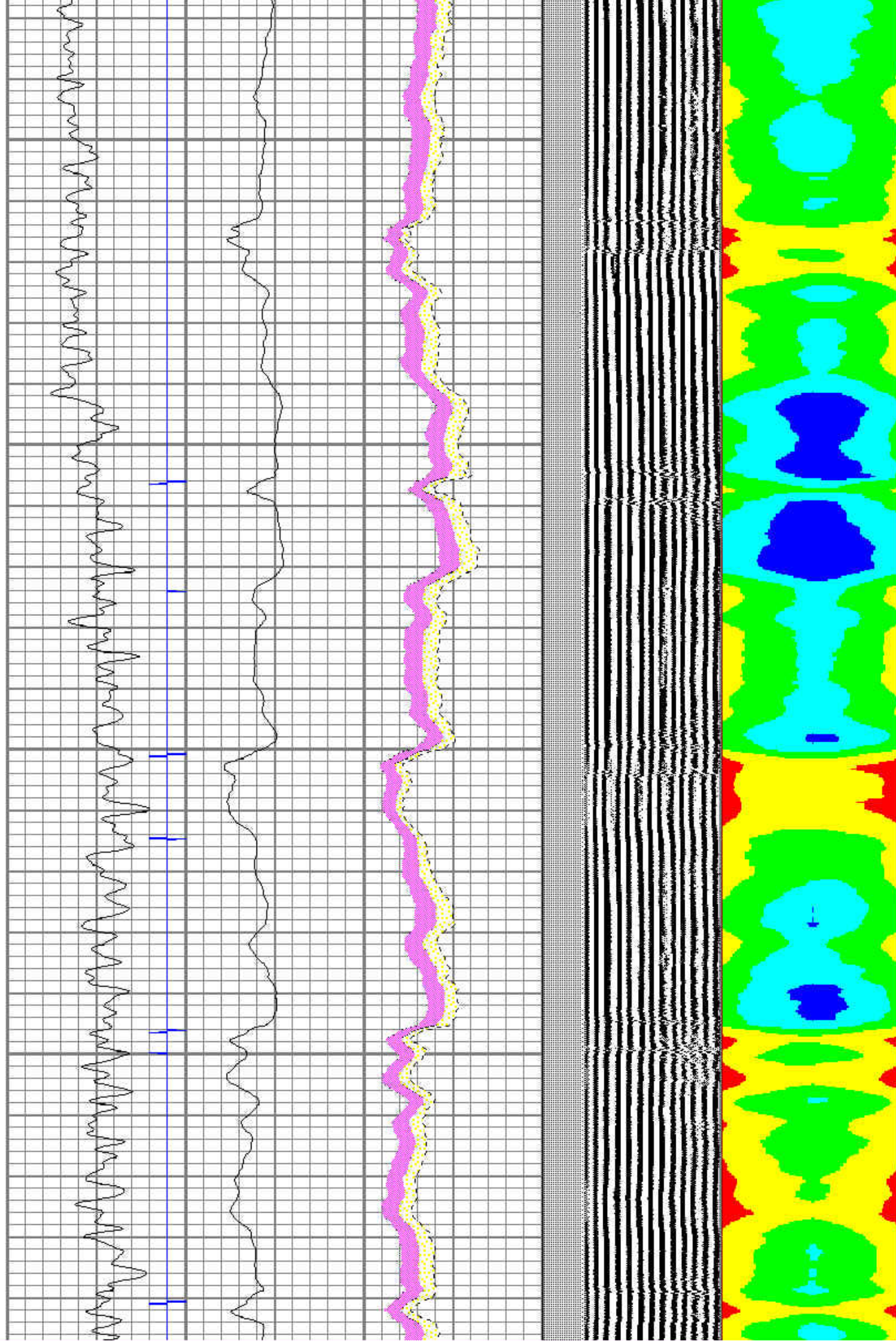
800

Top of Cement →



900

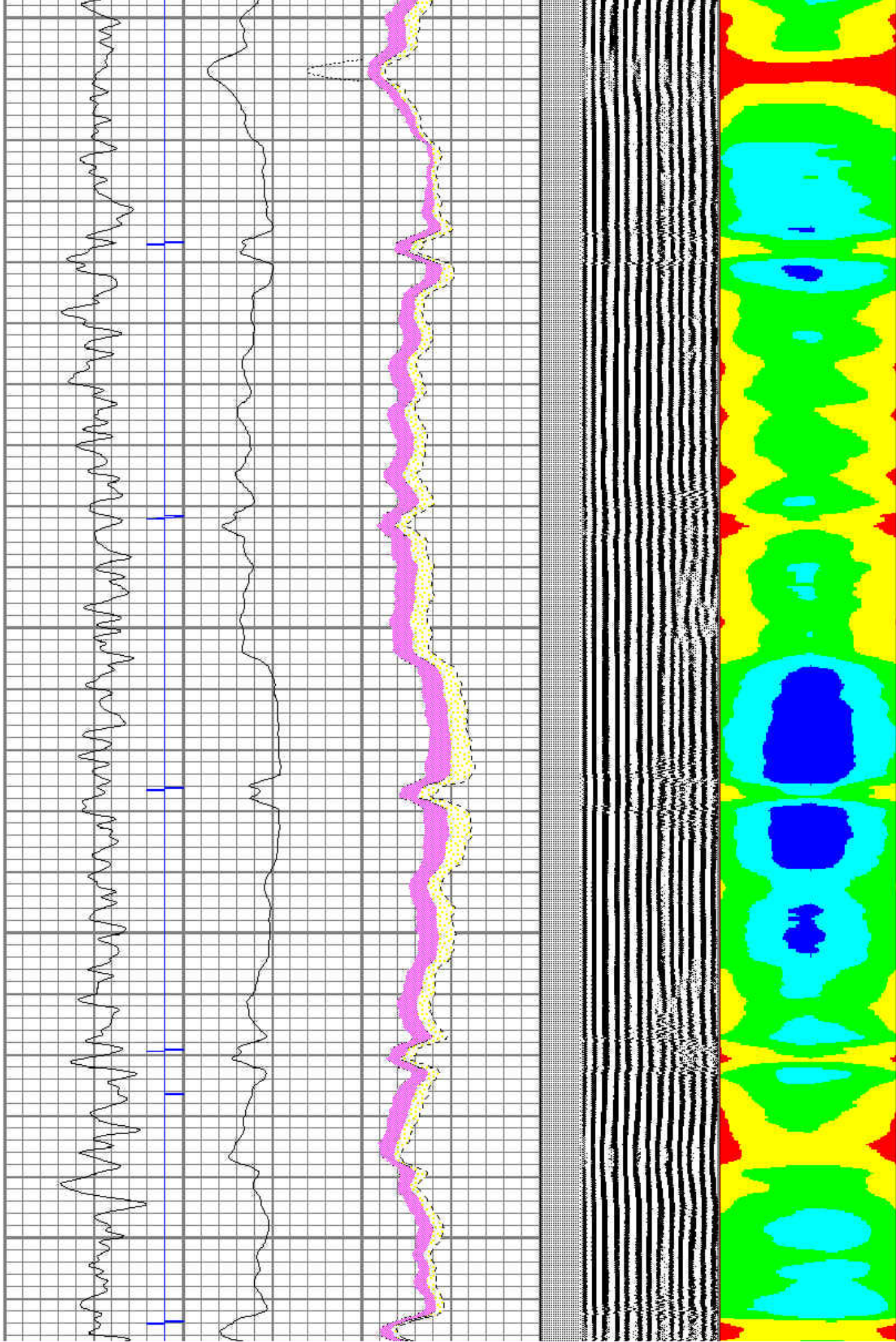
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1100

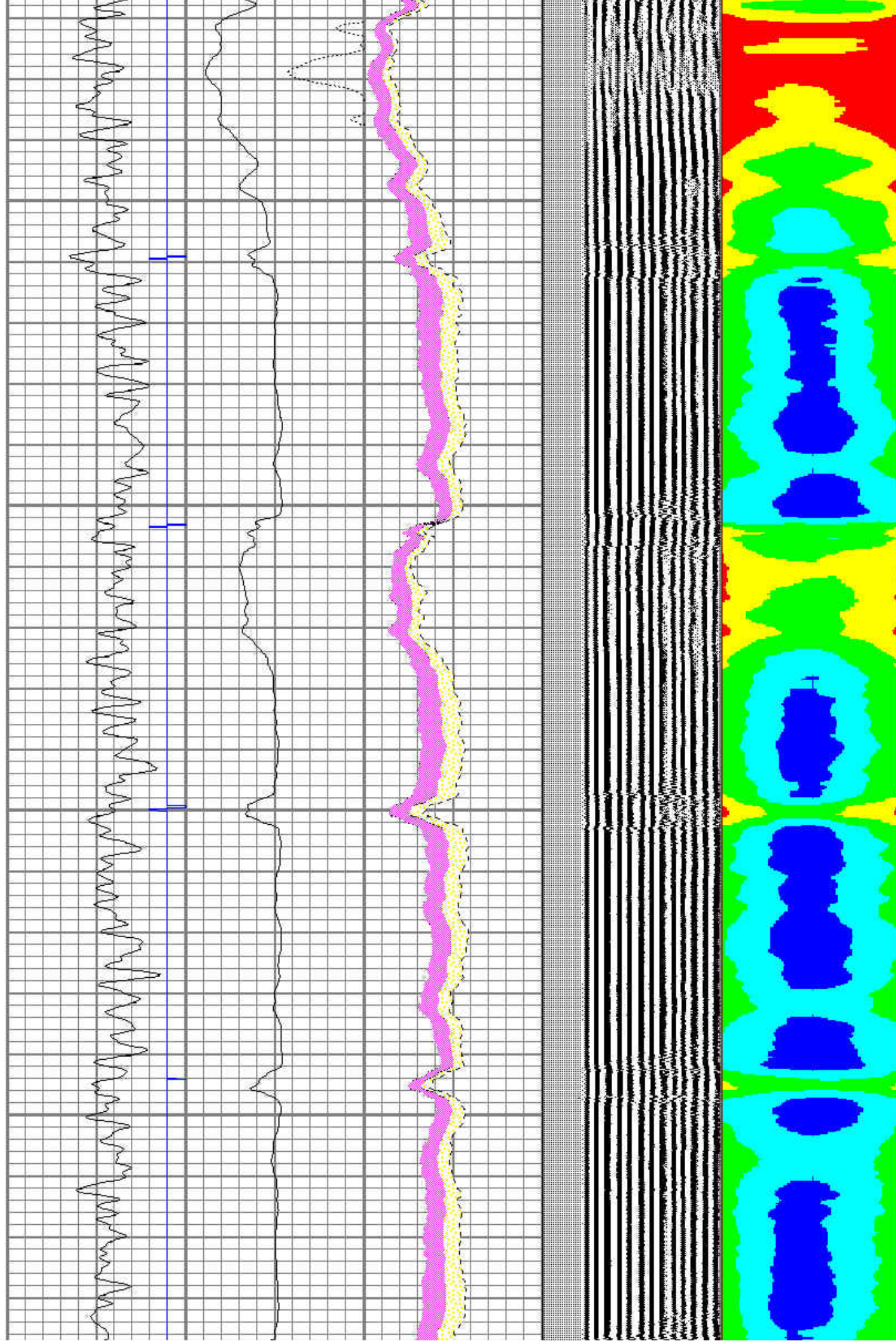
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1300



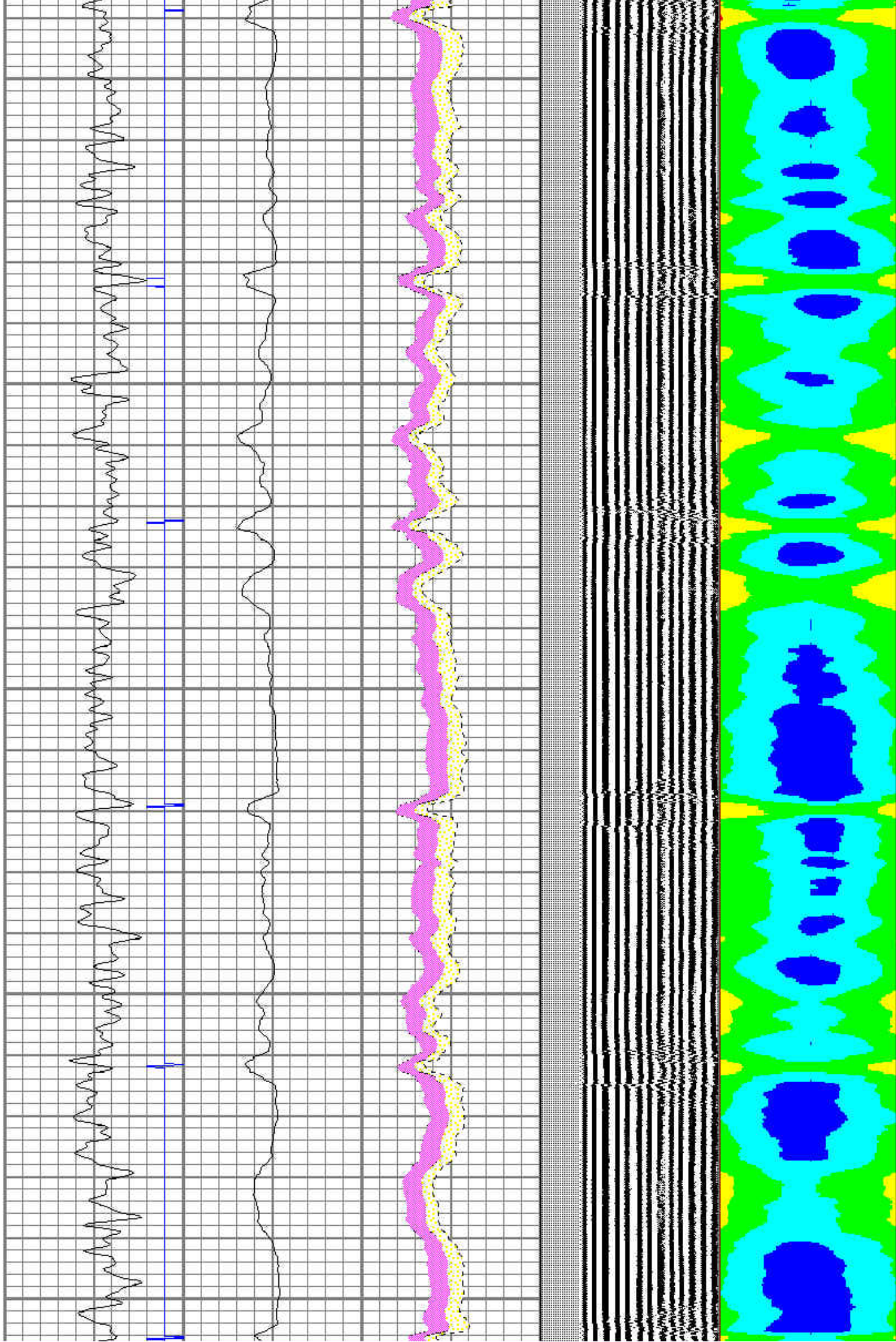
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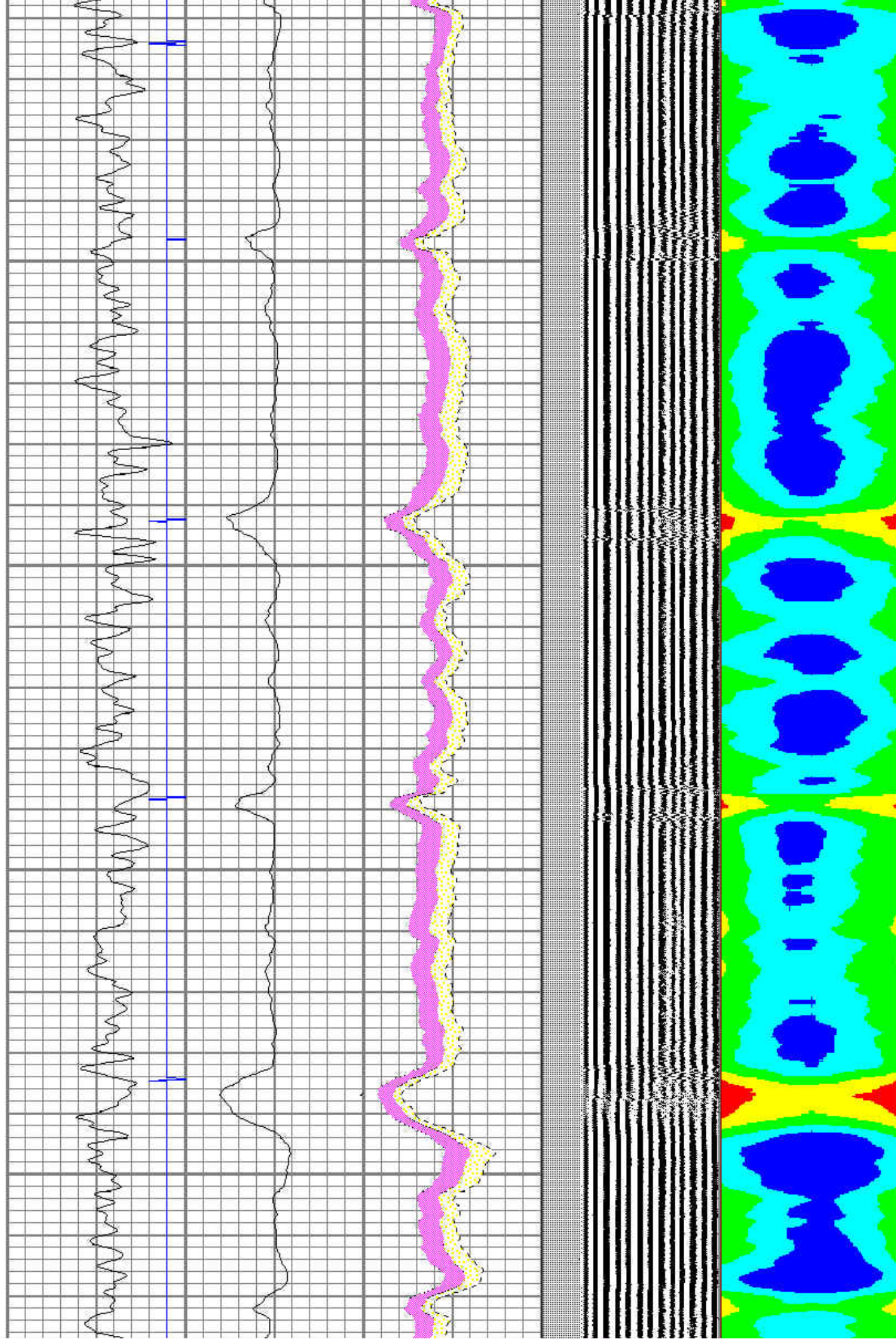
1600

1700



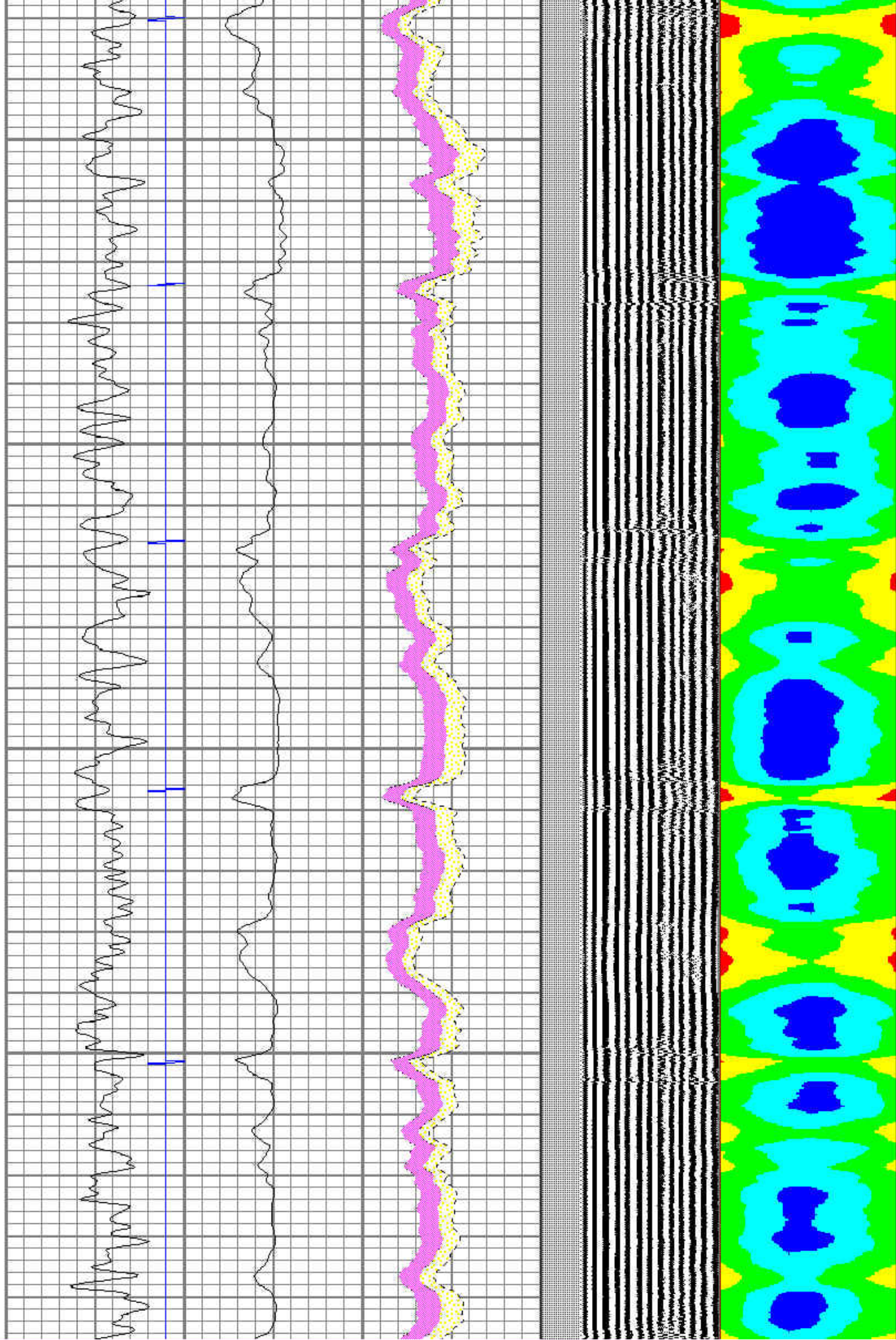
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1900



2000

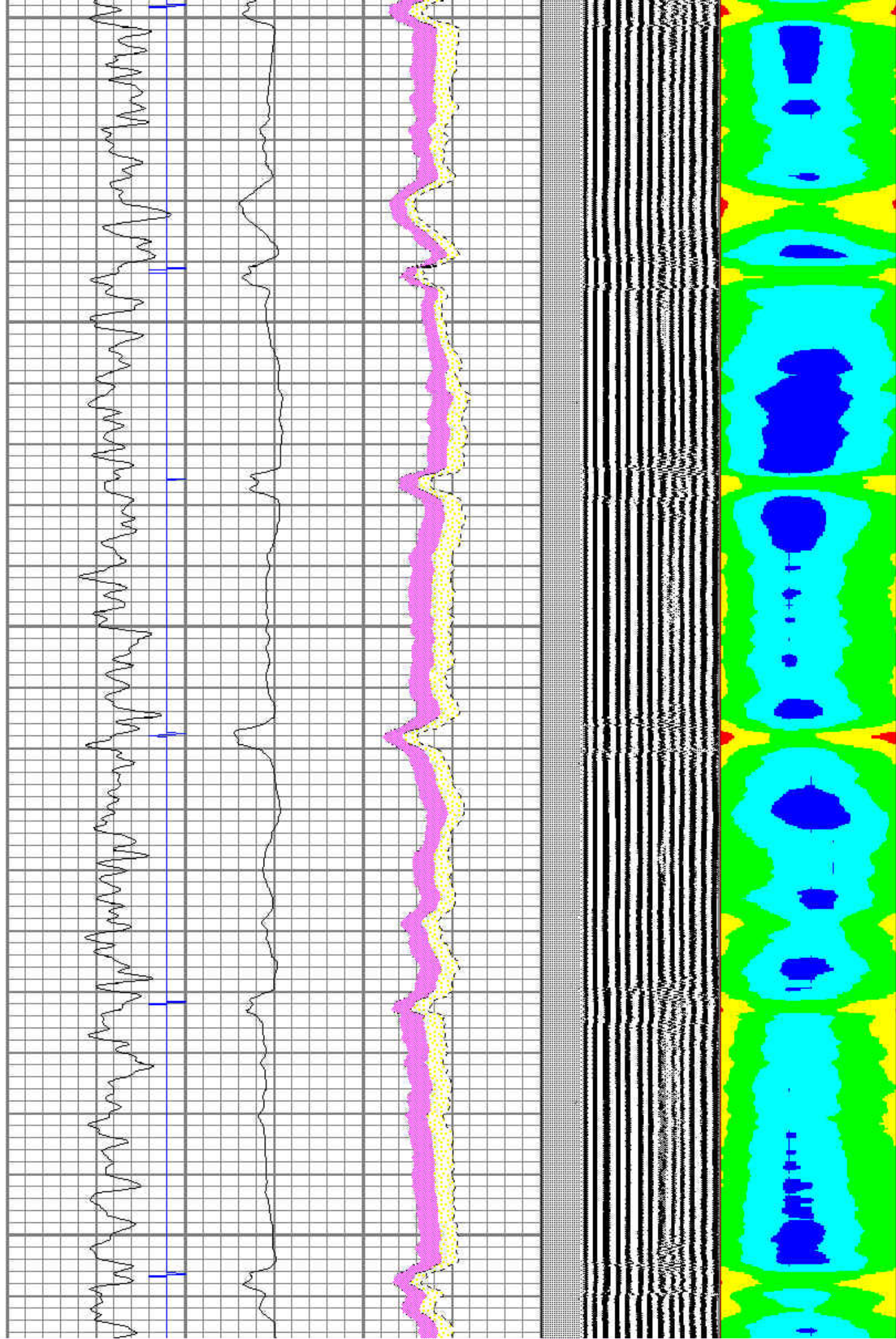
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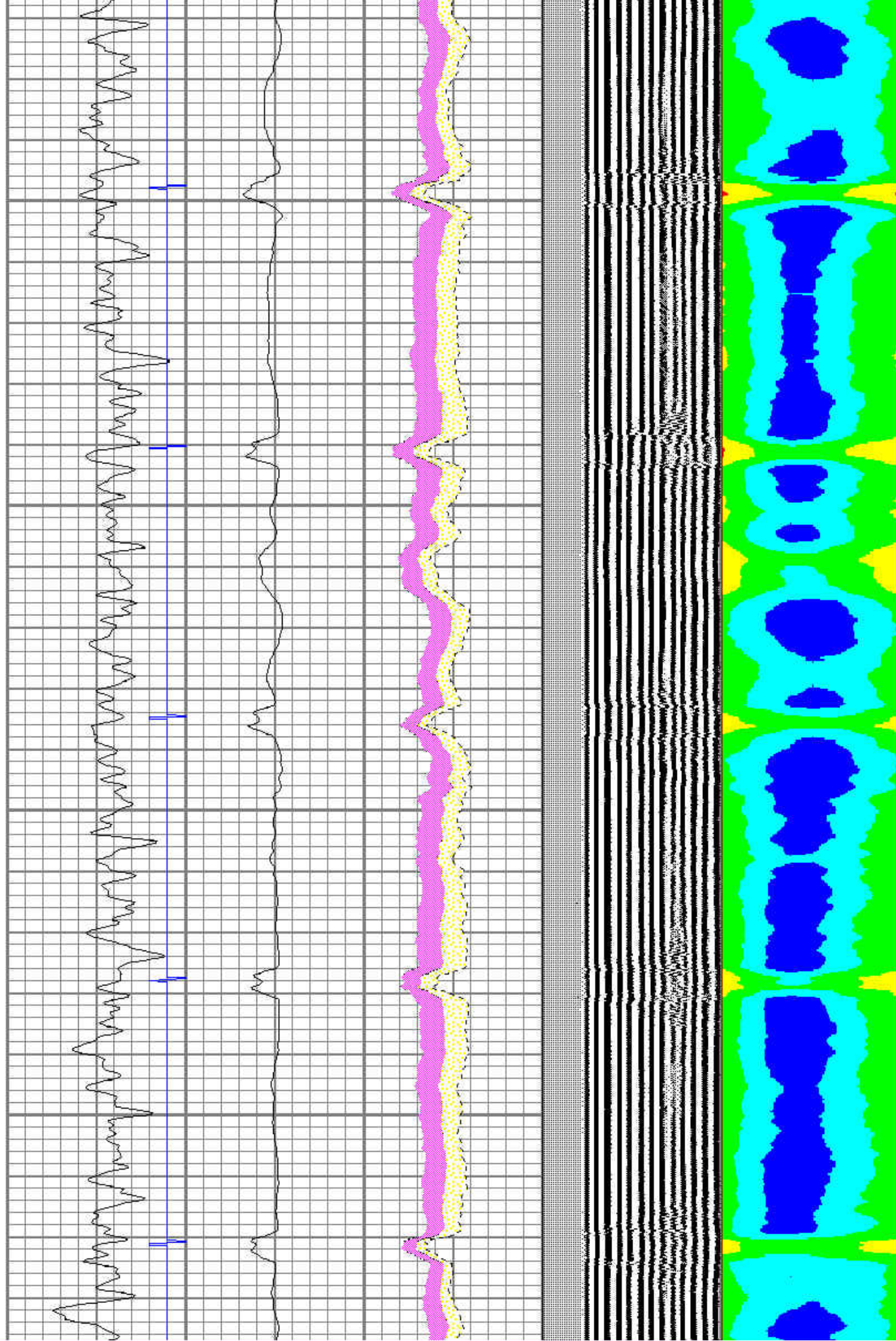
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2400



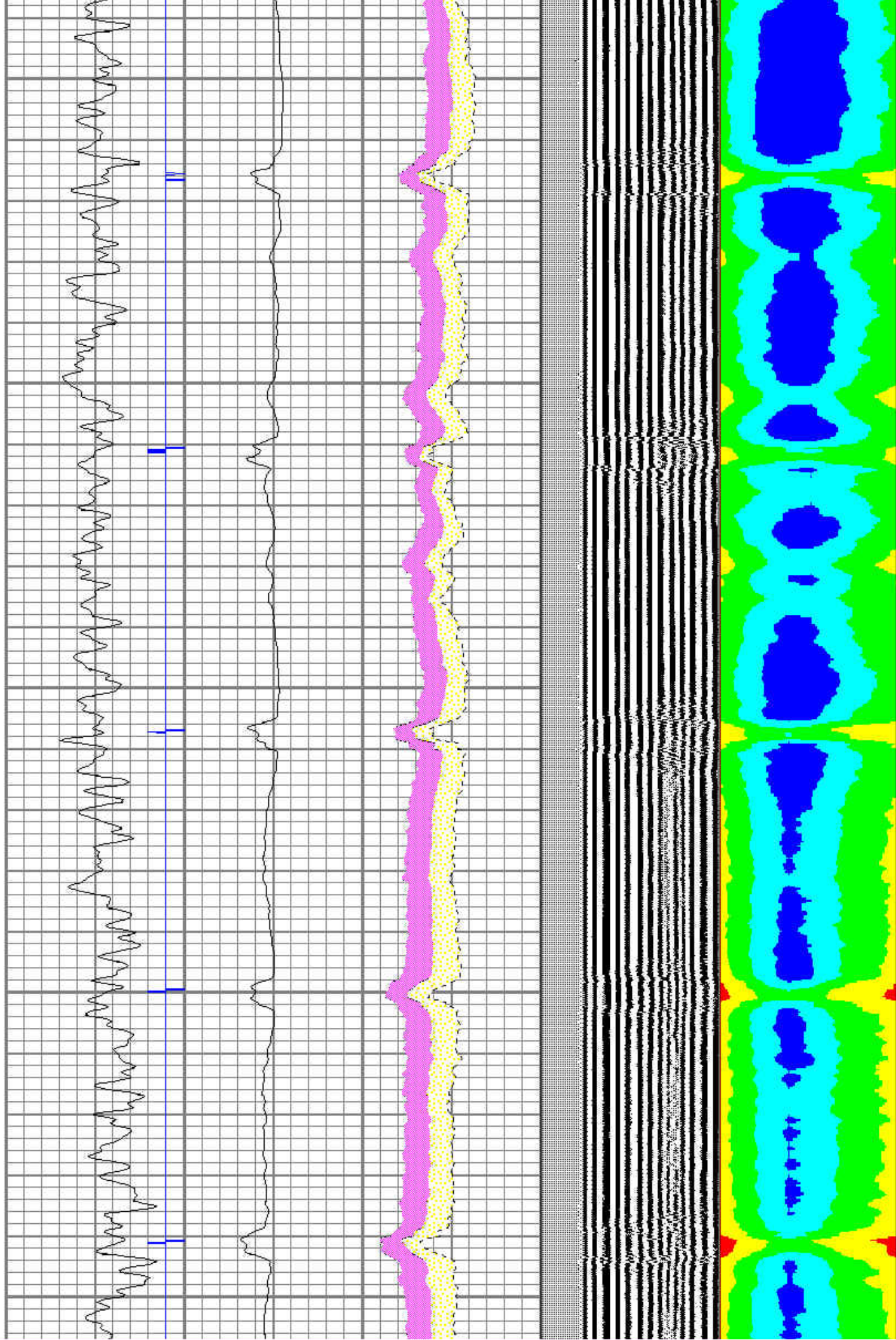
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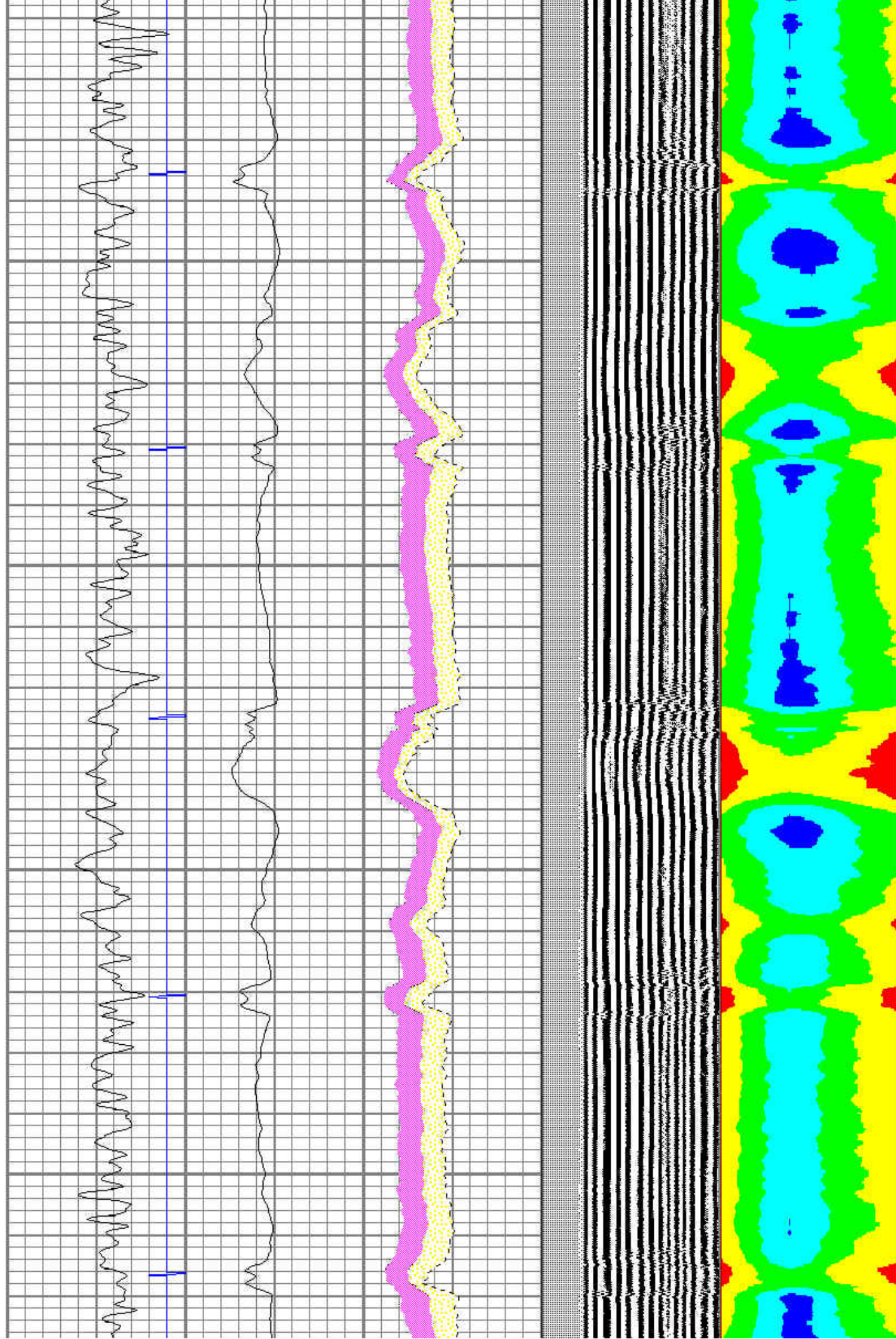
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2700

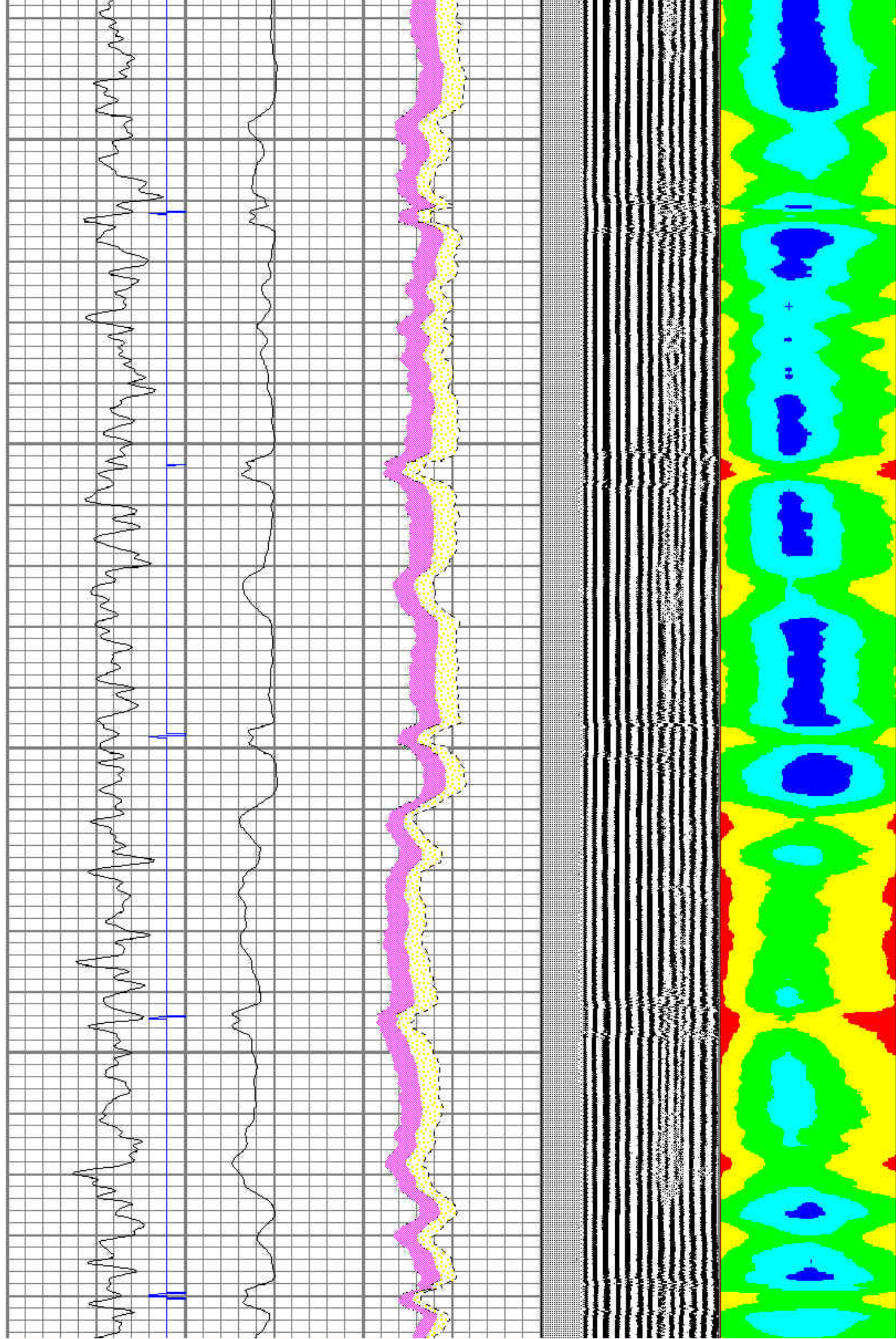
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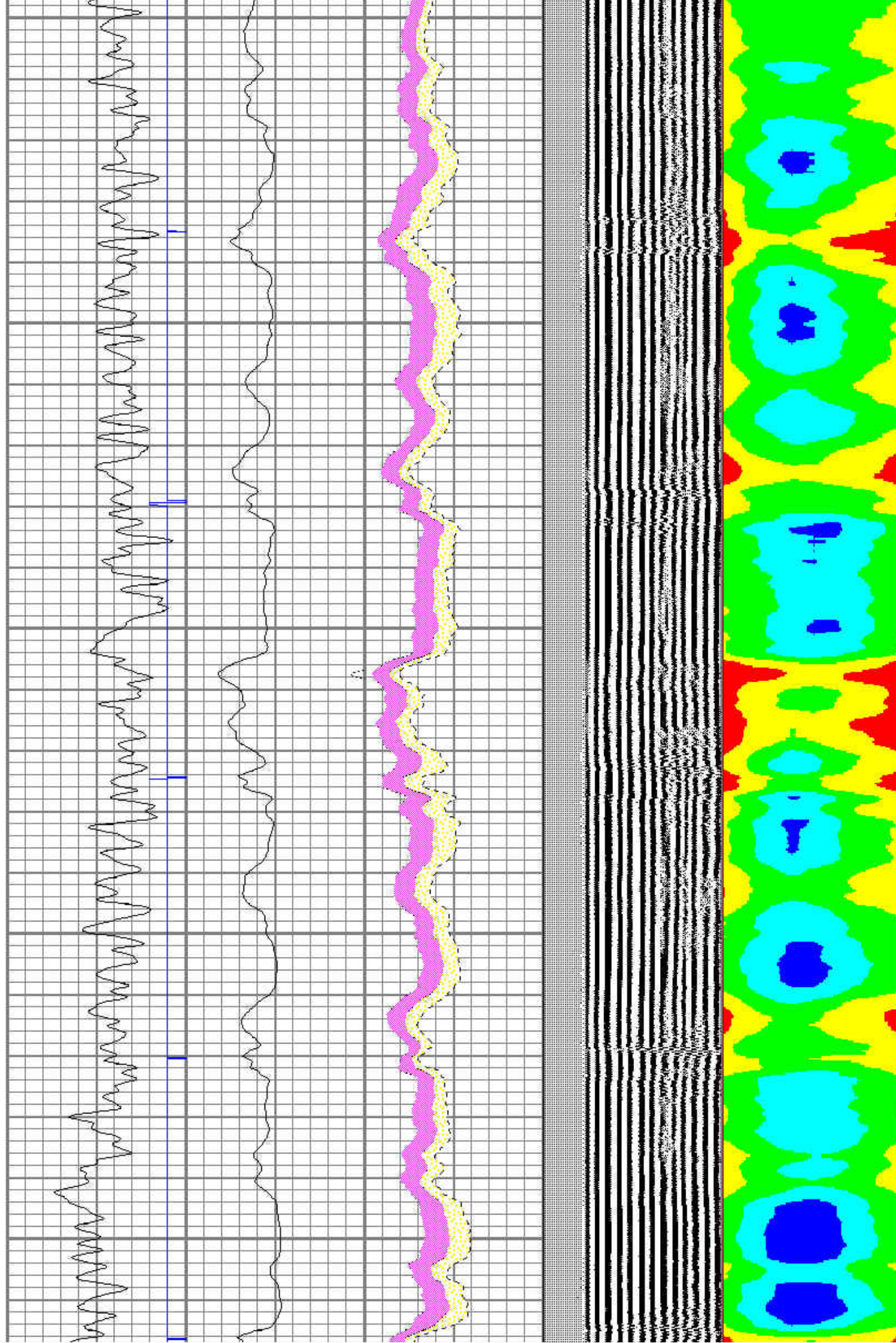


The image displays three distinct medical diagnostic panels. The top panel is a 12-lead ECG (heart rate monitor) showing a regular rhythm with visible P waves, QRS complexes, and T waves on a standard grid. The middle panel is a color Doppler ultrasound image, characterized by a vibrant rainbow color scale (red, yellow, green, blue) used to represent blood flow velocity and direction. The bottom panel is a grayscale B-mode ultrasound image, showing a cross-sectional view of internal tissue structures with varying echogenicity.

3200

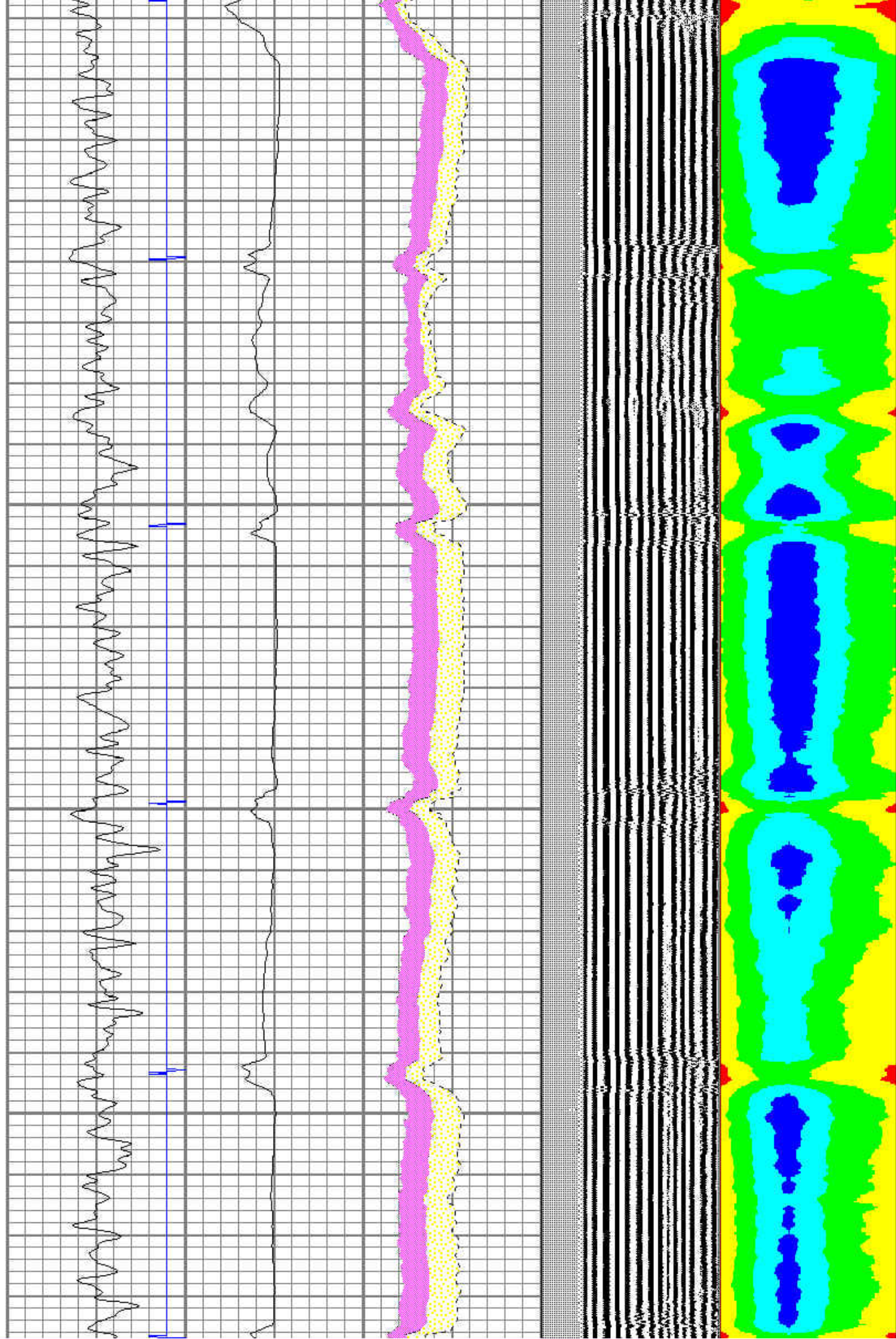


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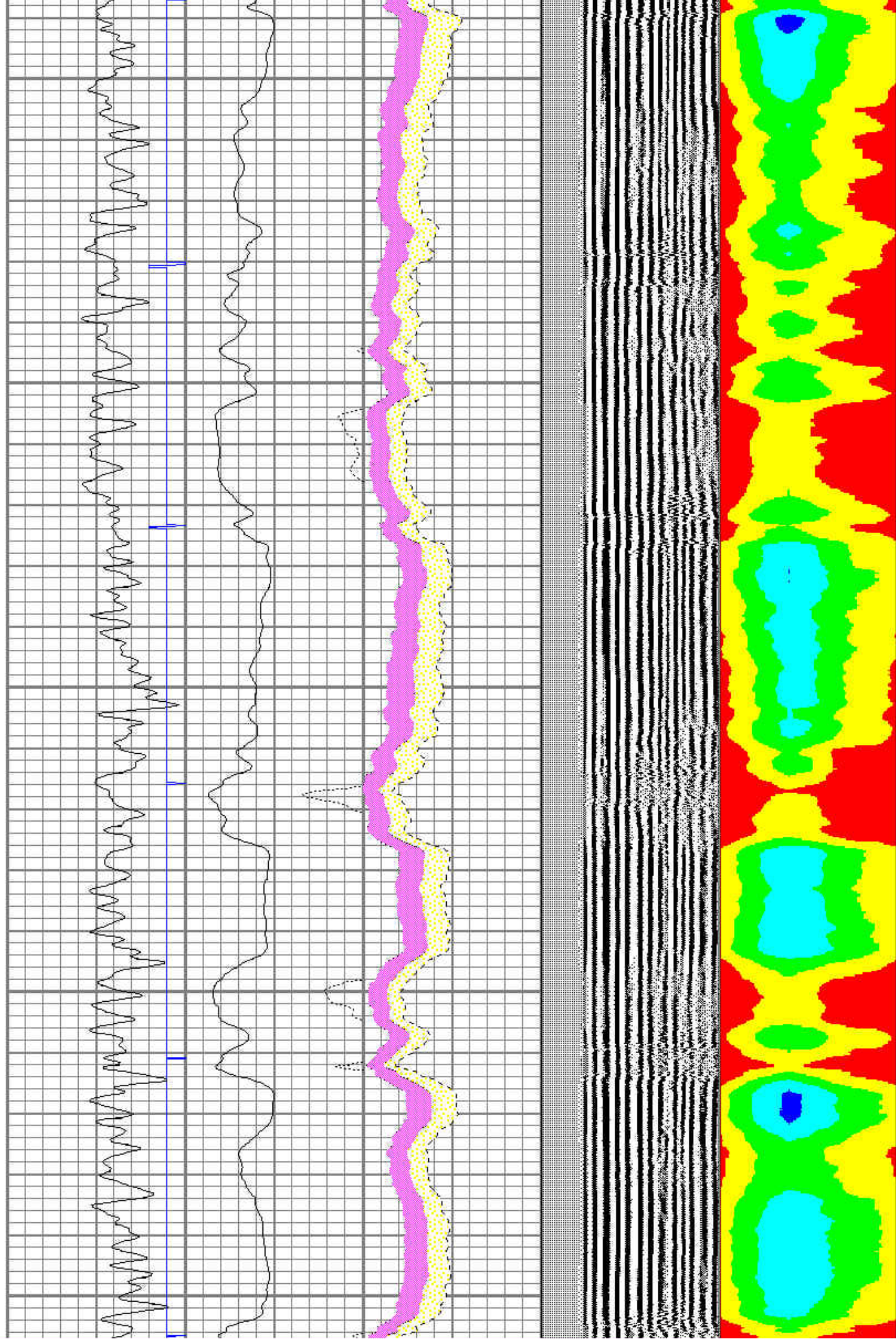
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3700



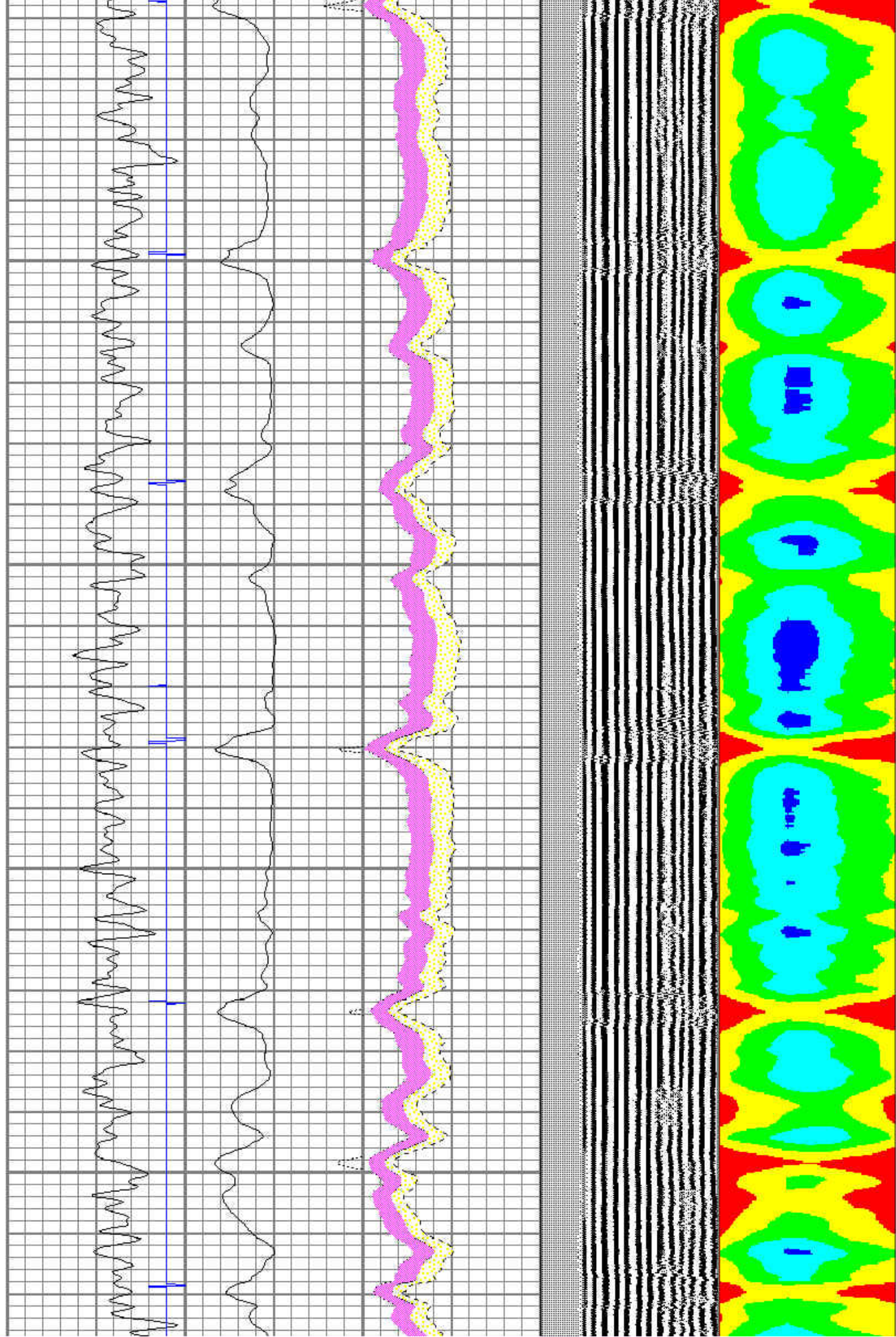
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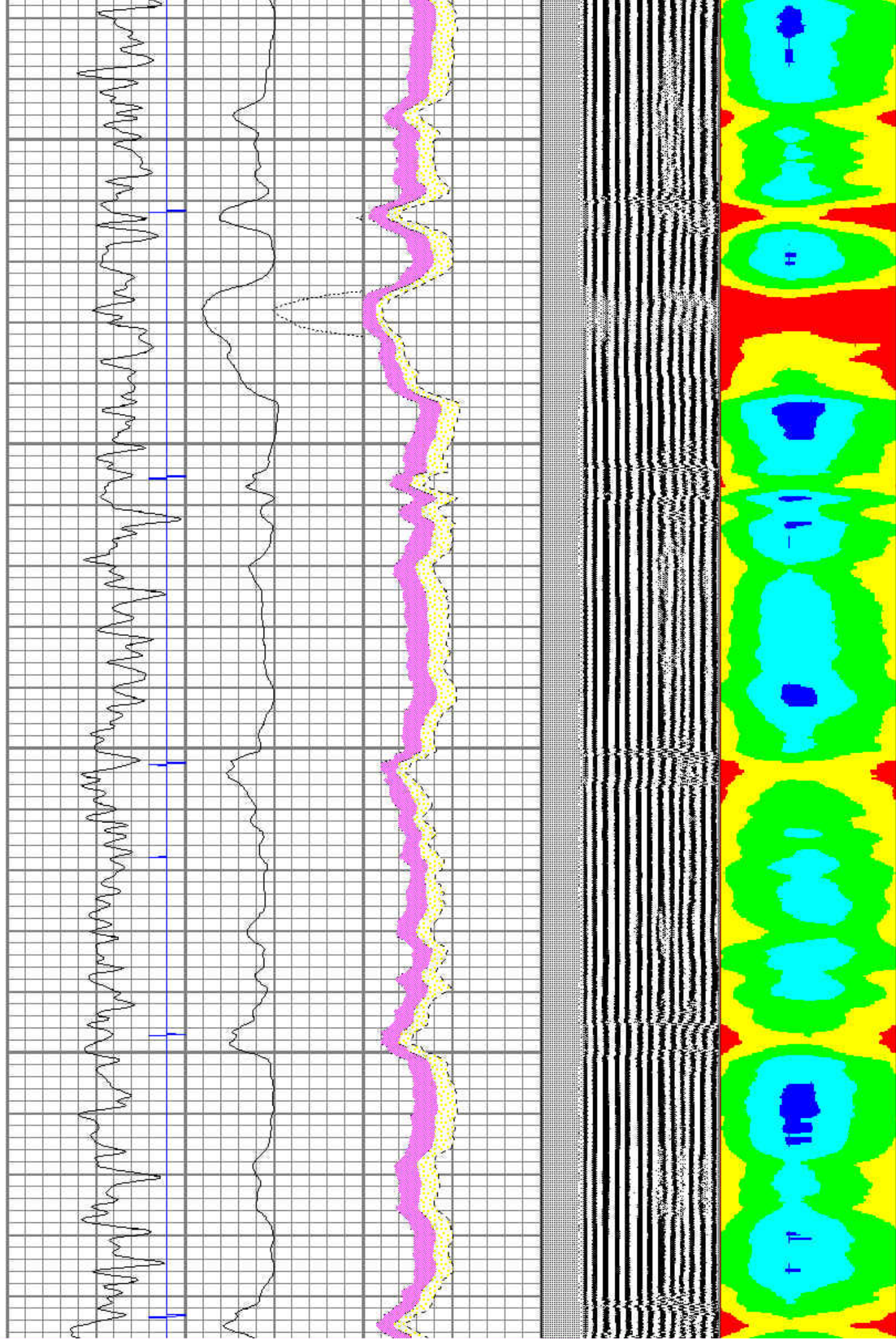


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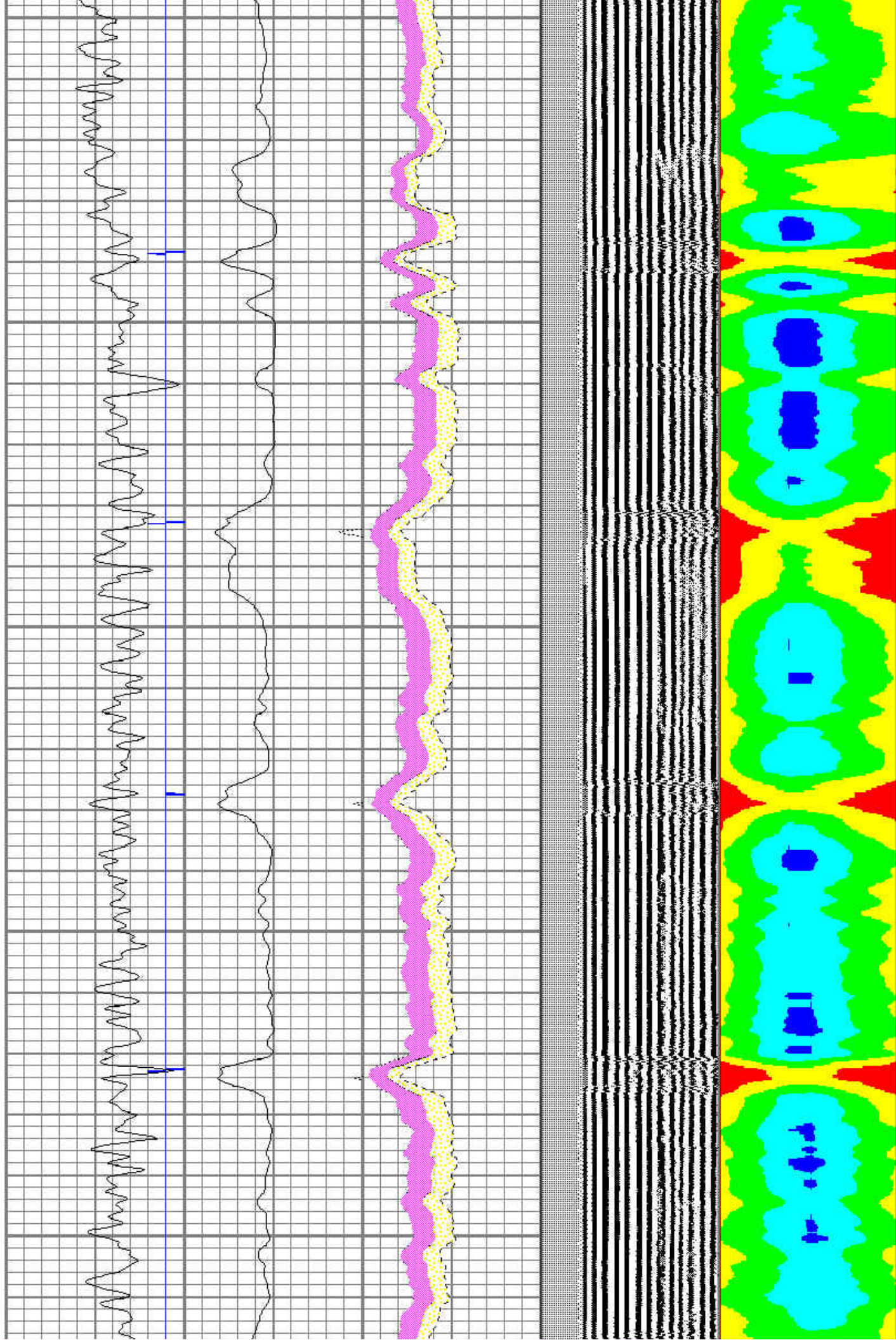
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4400

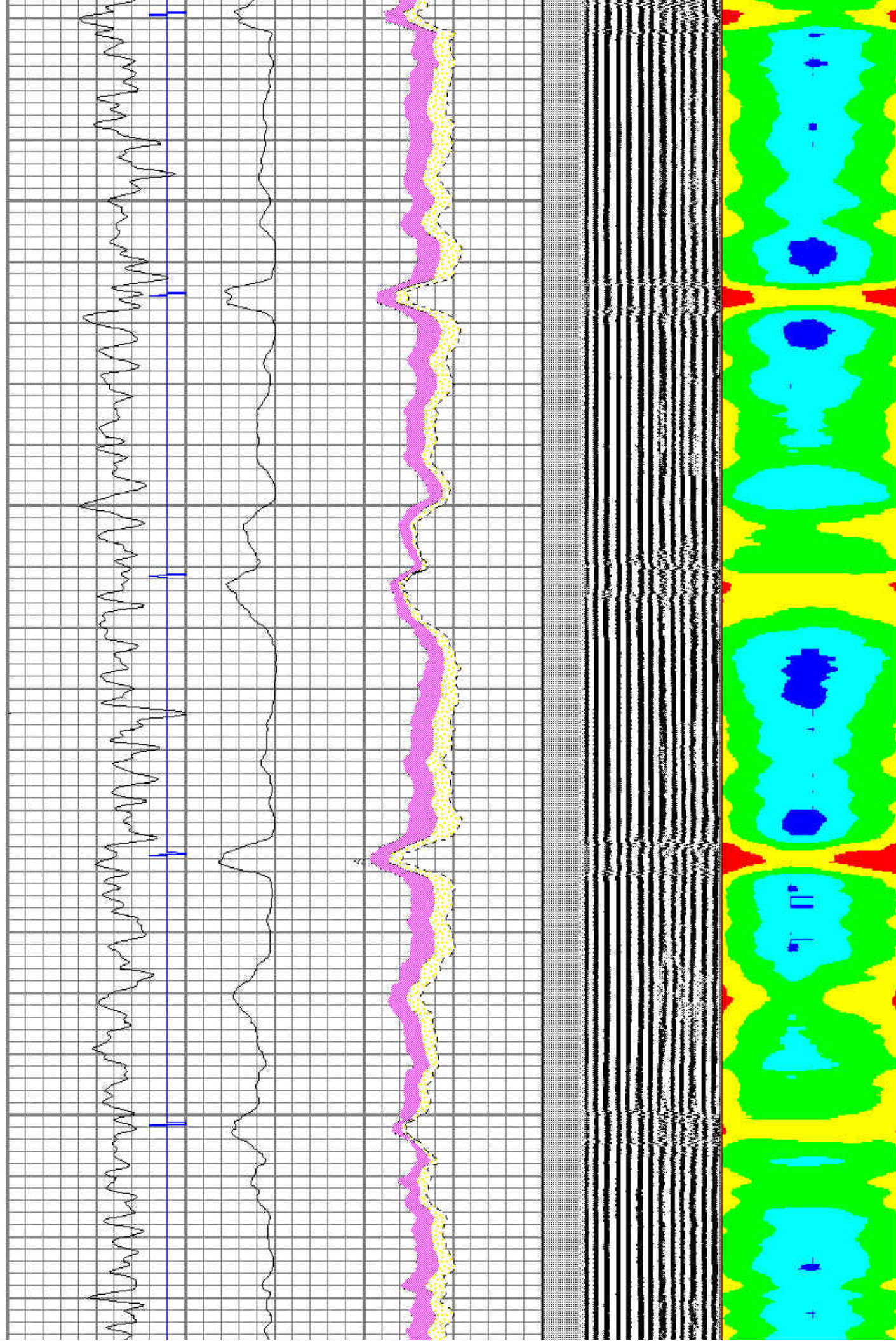
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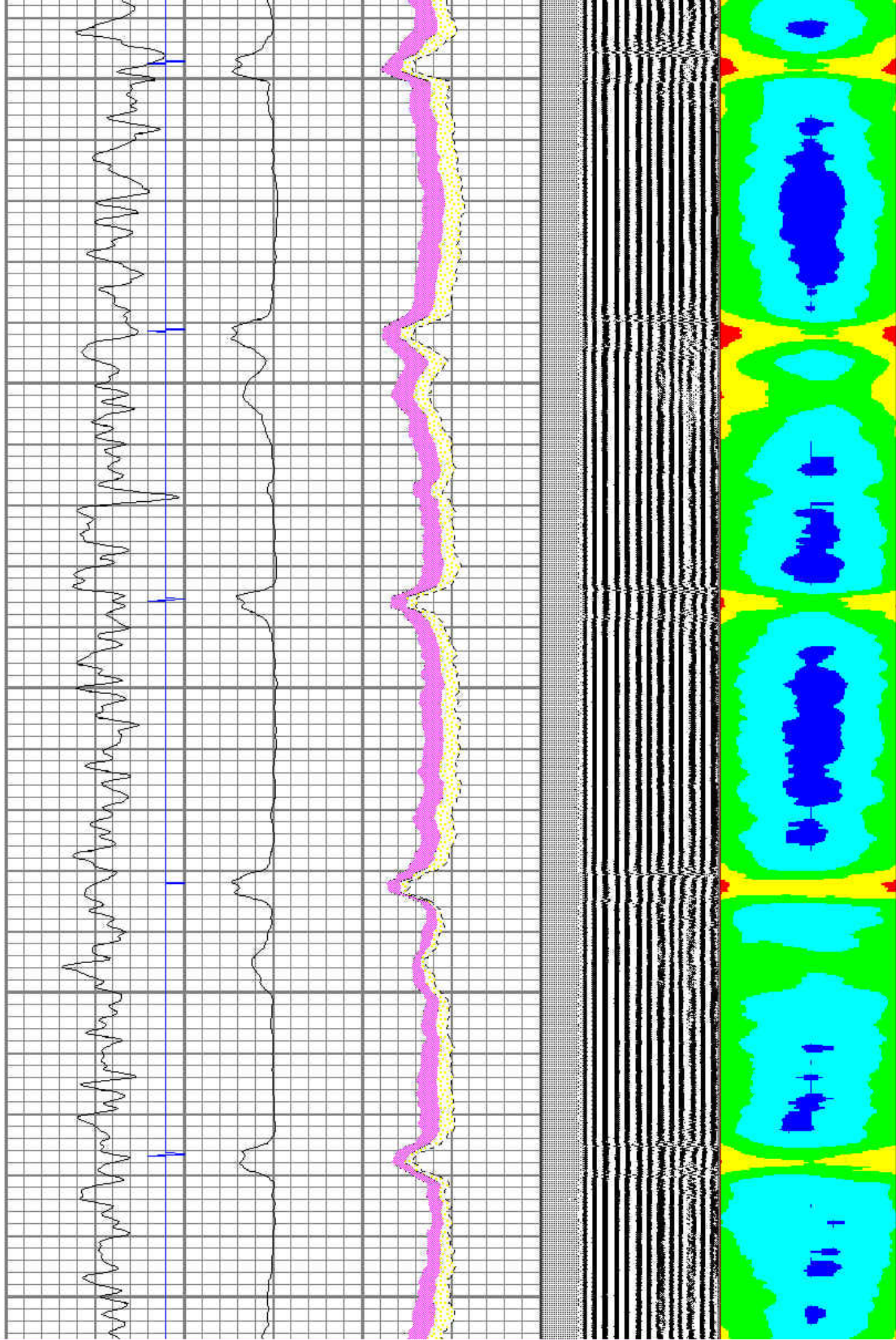
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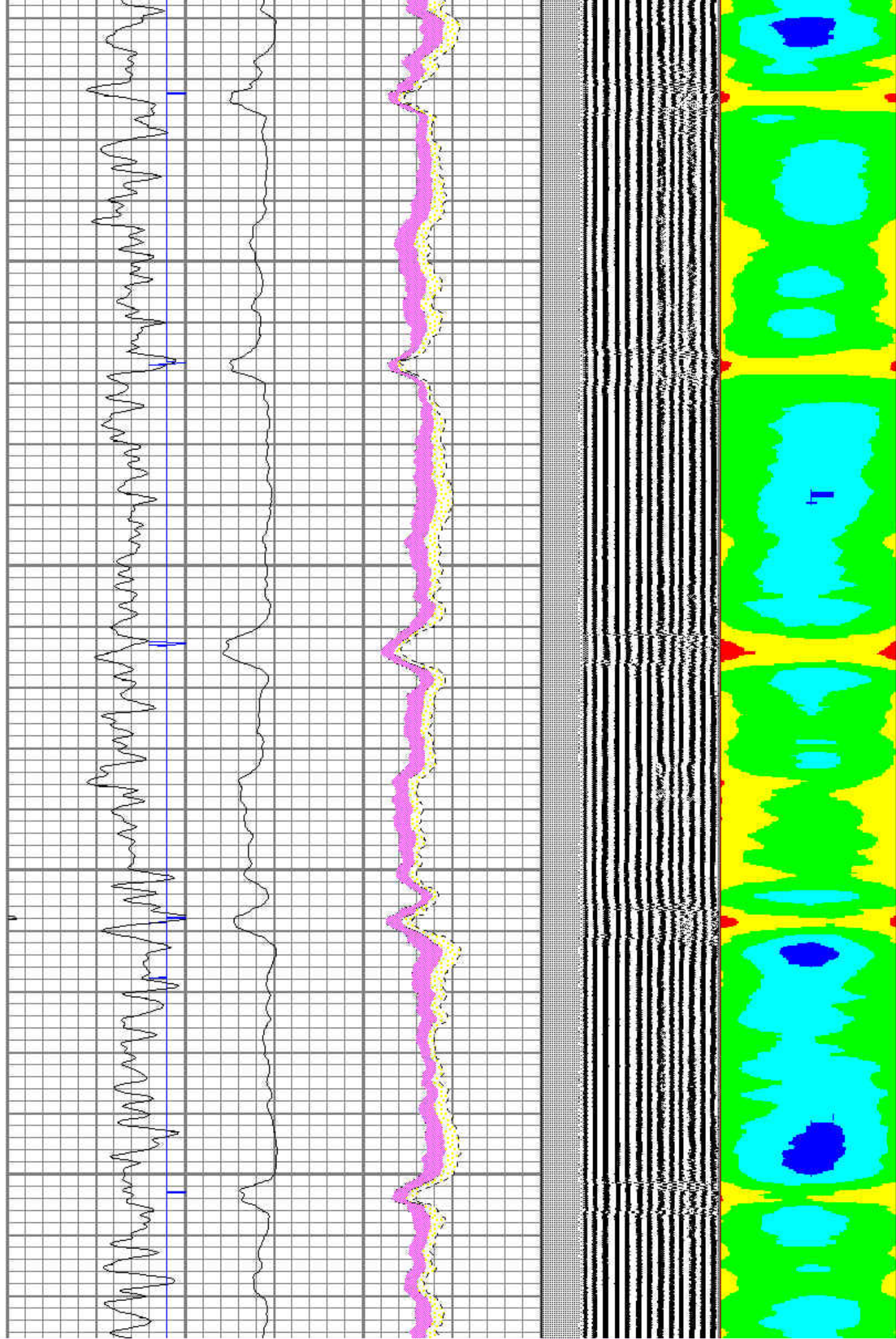
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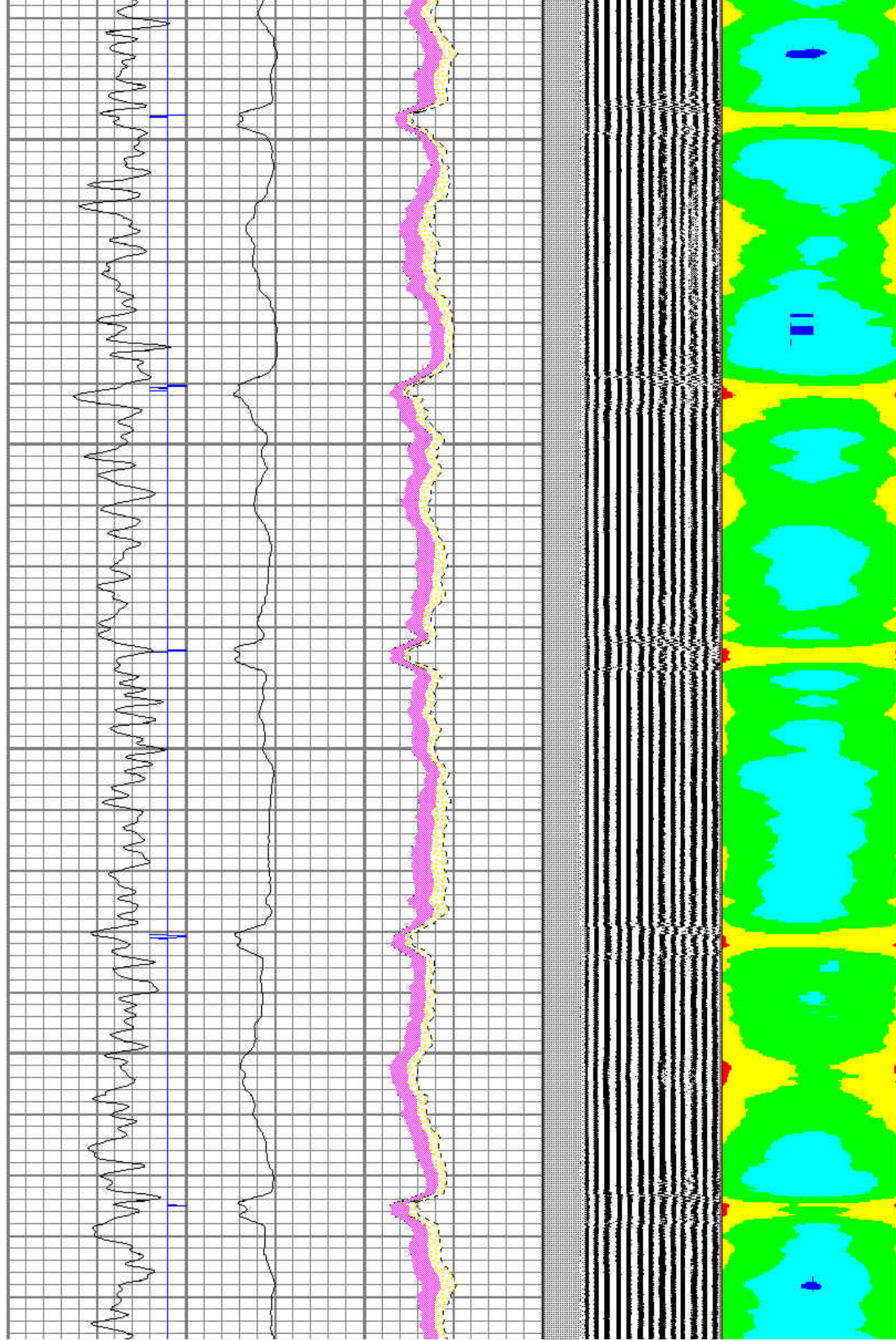


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5200



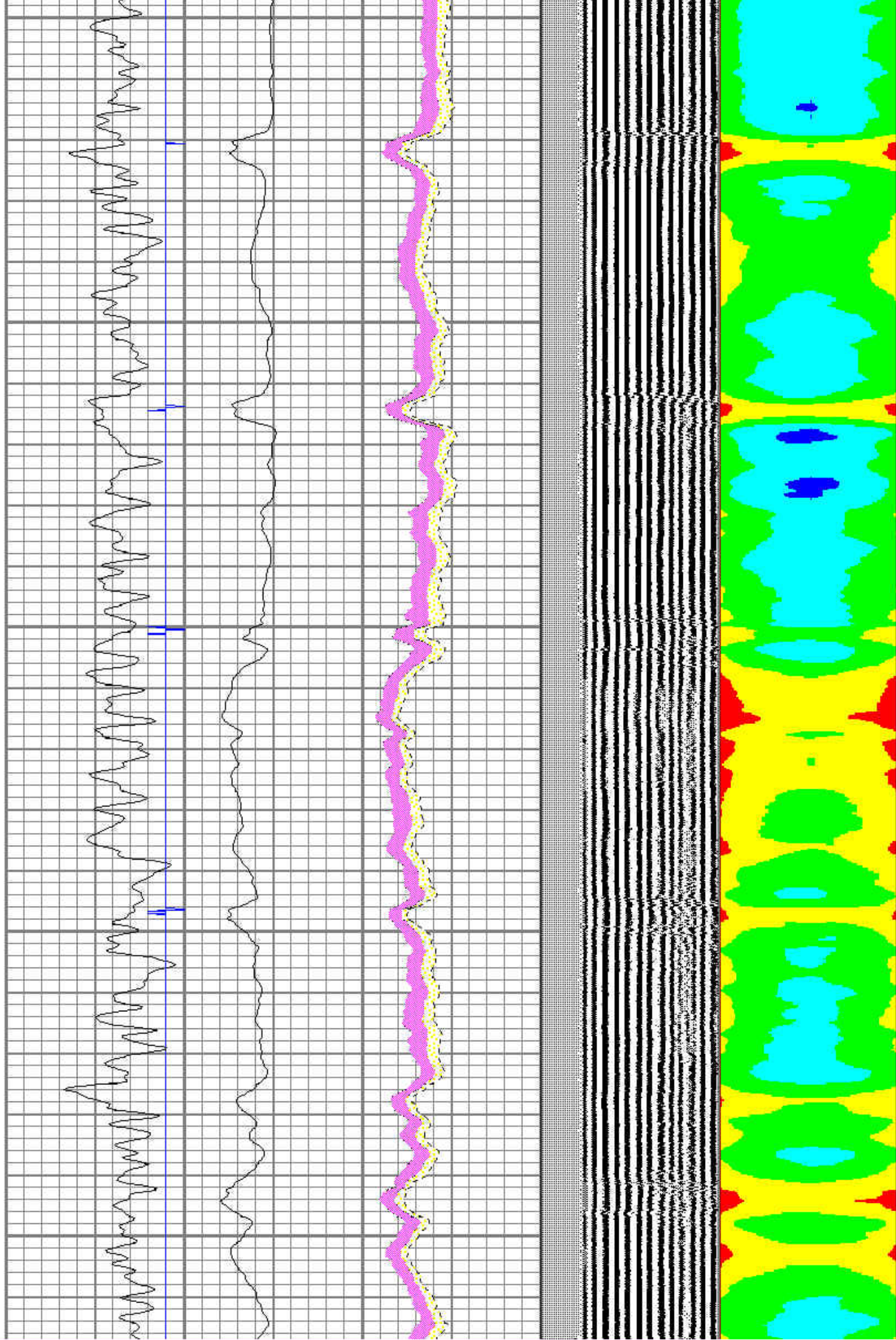
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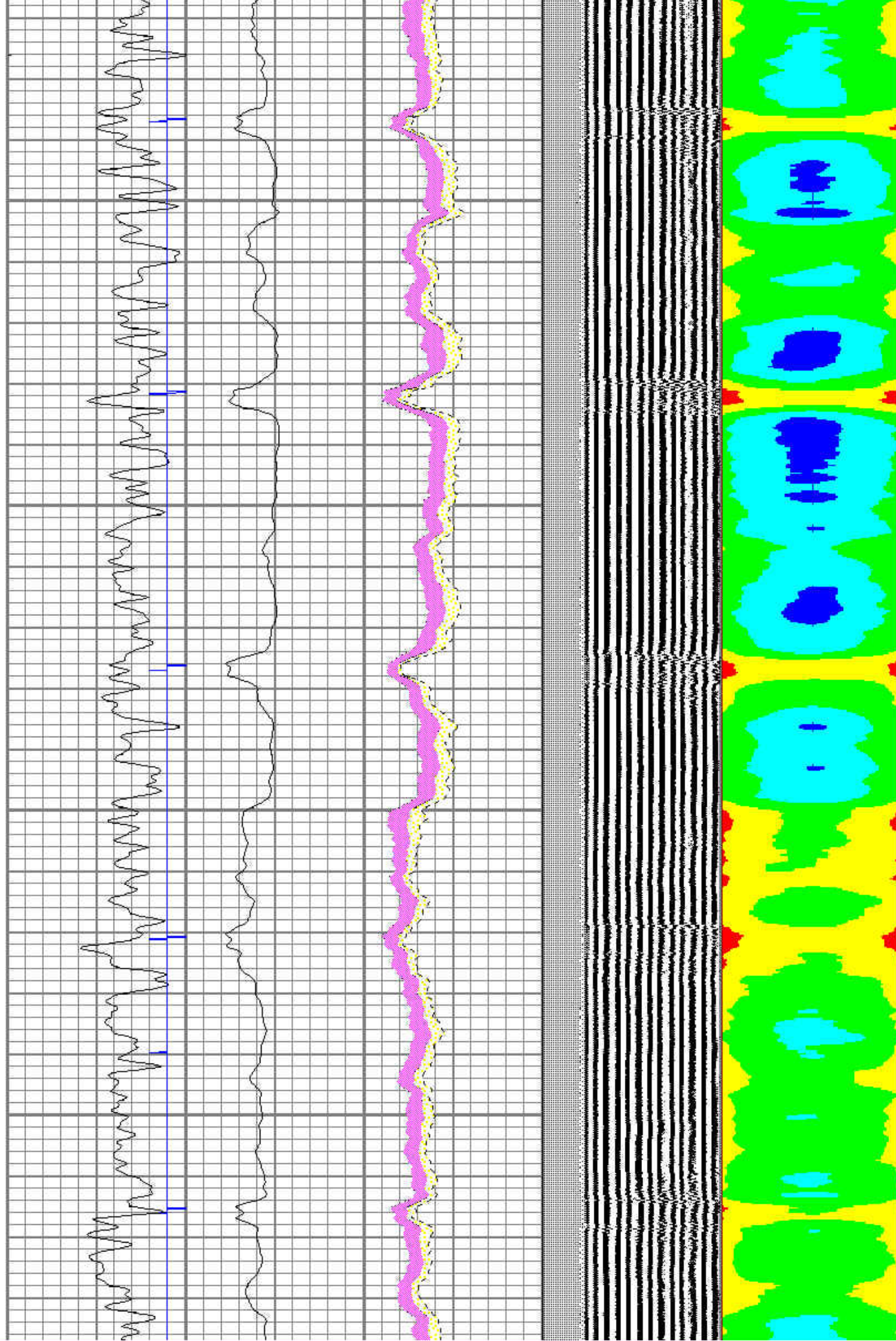
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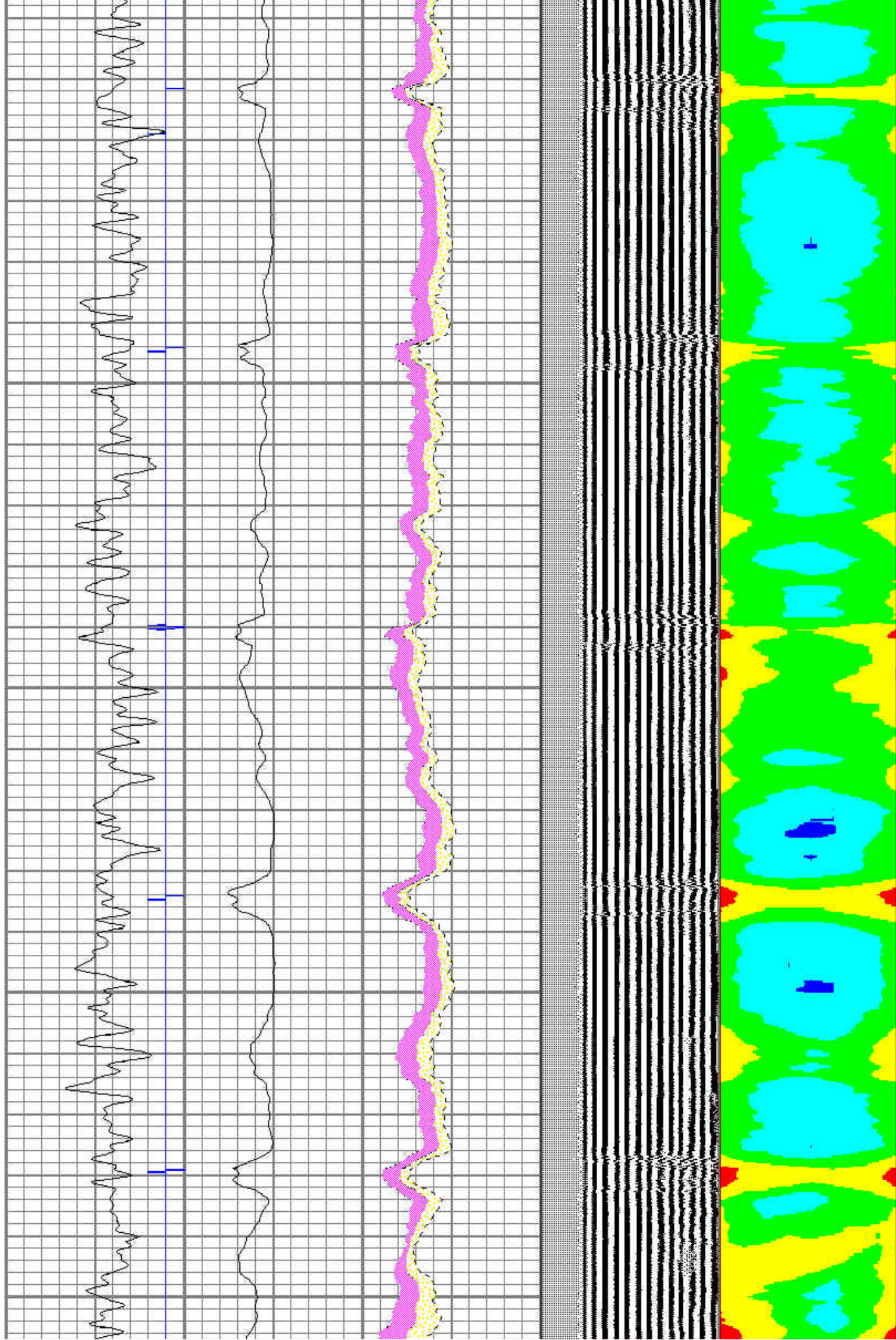
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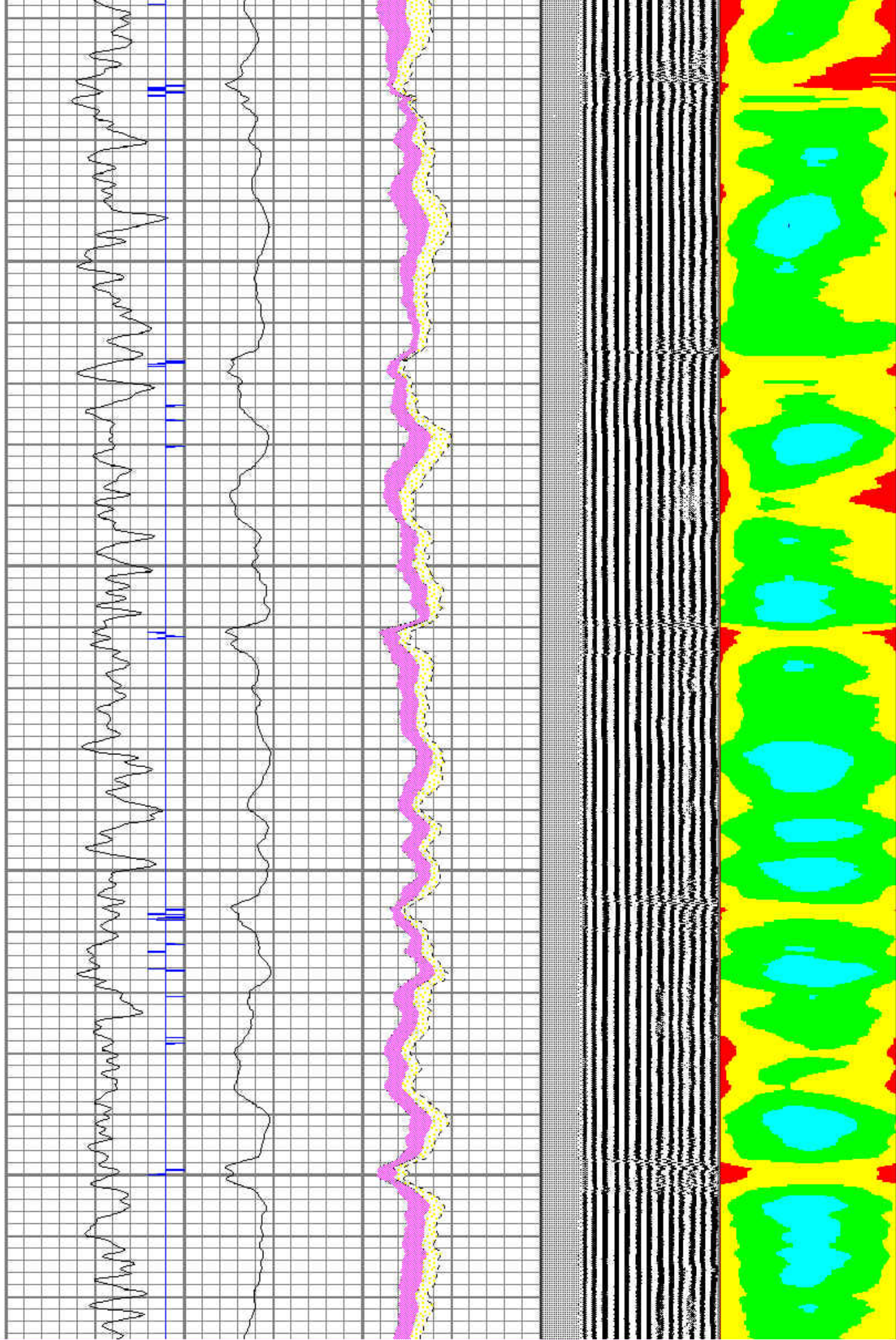
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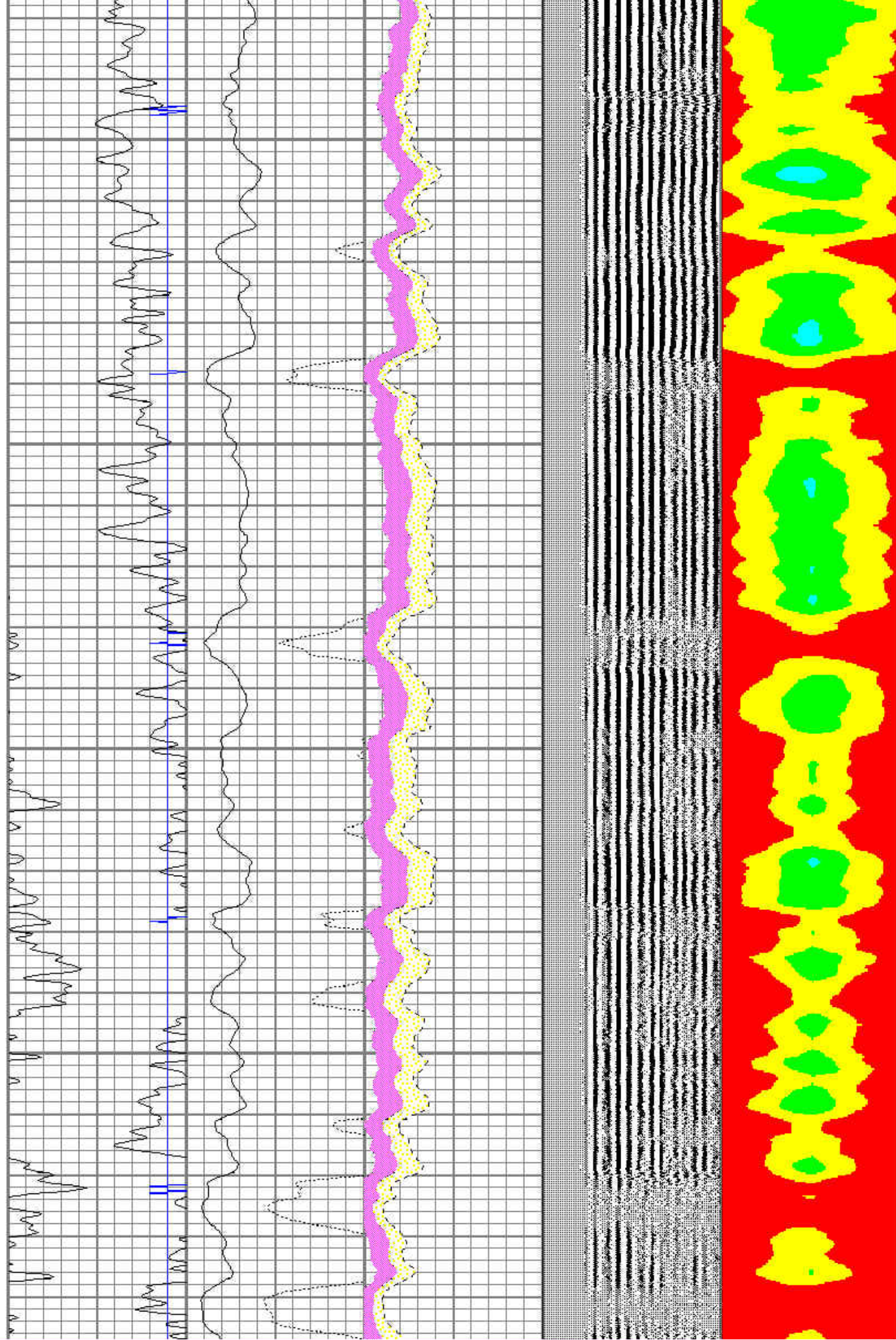
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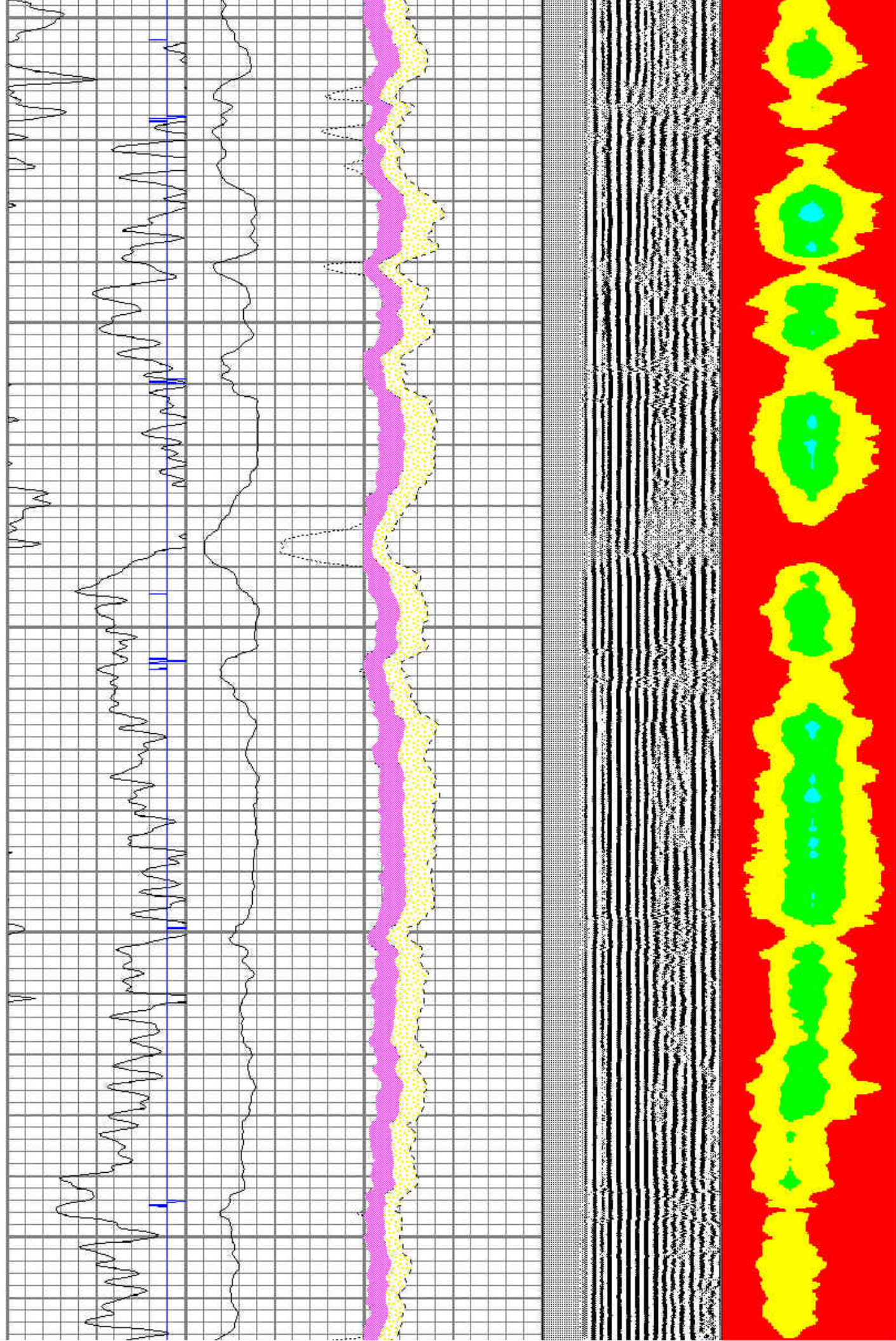
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6600

6700

6800



6900

7000

