



# VDL CCL GAMMA-RAY RADIAL BOND LOG

Pioneer Energy Services

Company ENCANA OIL & GAS (USA) INC  
Well MARCUS STATE 3C-36H  
Field WATTENBERG  
County WELD State COLORADO

Location: API # : 05123374350000 Other Services

SHL 317' FSL & 1334' FWL  
BHL 460' FNL & 1100' FWL

SEC 36 TWP 2N RGE 66W

Permanent Datum GL Elevation 5039'  
Log Measured From KB  
Drilling Measured From KB Elevation K.B. 5052'  
D.F. 5051'  
G.L. 5039'

Date

9/6/13

Run Number

ONE

Depth Driller

12037'

Depth Logger

7662'

Bottom Logged Interval

7656'

Top Log Interval

60'

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 HUESBY

Borehole Record

Bit

From

To

Size

Weight

From

To

Tubing Record

Bit

From

To

Size

Weight

From

To

Casing Record

Size

Wgt/Ft

Top

Bottom

Surface String

7"

26#

SURFACE

7691'

Prot. String

Production String

Liner

<<< Fold Here >>>

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 # 2-204804

THANK YOU FOR USING  
PIONEER ENERGY SERVICES

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

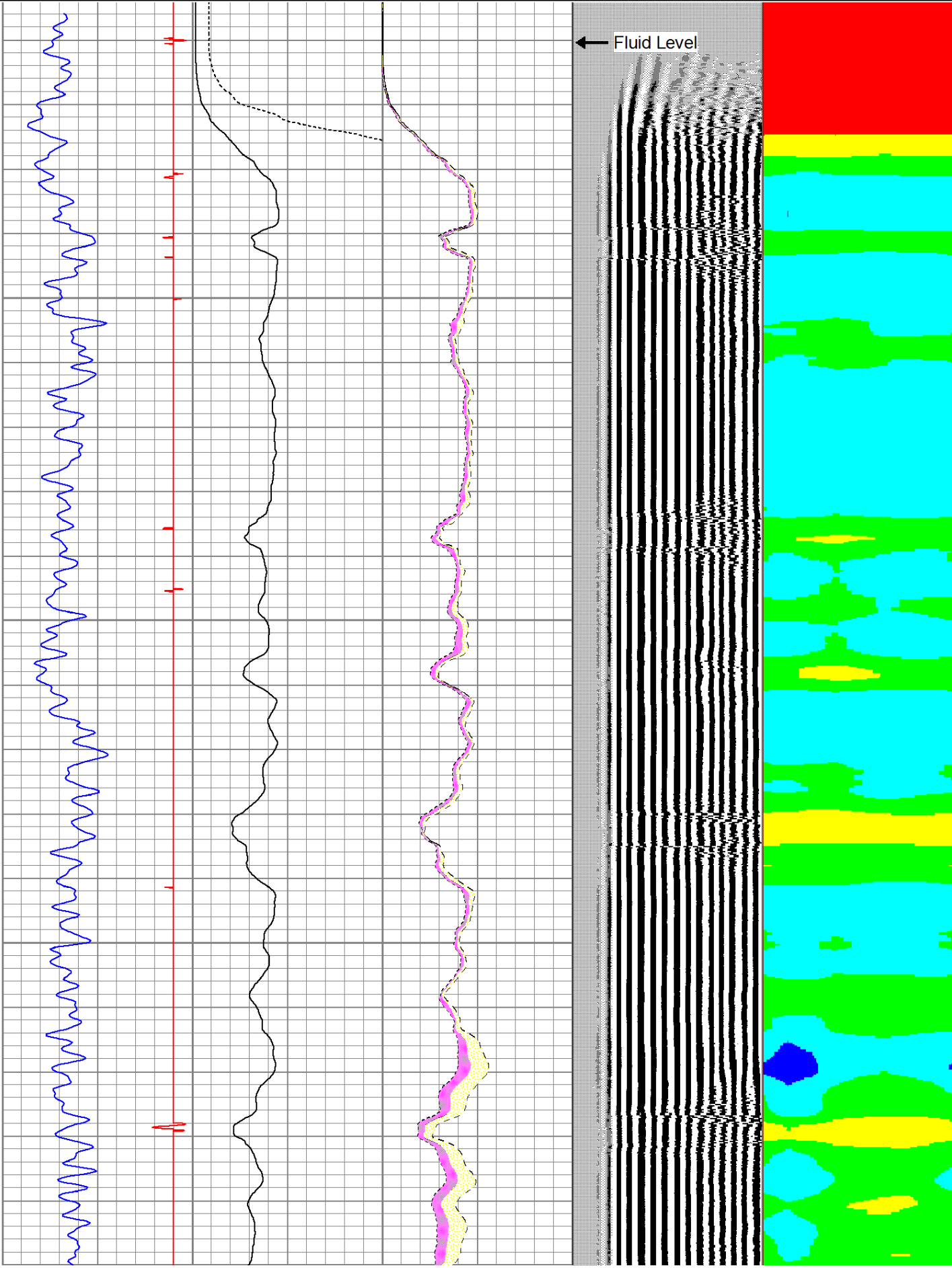
Tool Name	Start Depth (ft)	End Depth (ft)	Length (ft)	Weight (lb)	O.D. (in)
PTS275	11.50	8.67	2.83	2.75	
RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.67	0.75	8.92	2.75	90.00
PTS275	0.75	3.64	2.83	2.75	
CCL	3.64	4.54	0.90		
GR-Probe (275) Probe 2.75" 4 Channel Pulse	4.54	5.44	4.33	2.75	30.00
GR	5.44	6.34	0.90		
Dataset: marcus state 3c-36h.db: field/well/run1/pass3 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

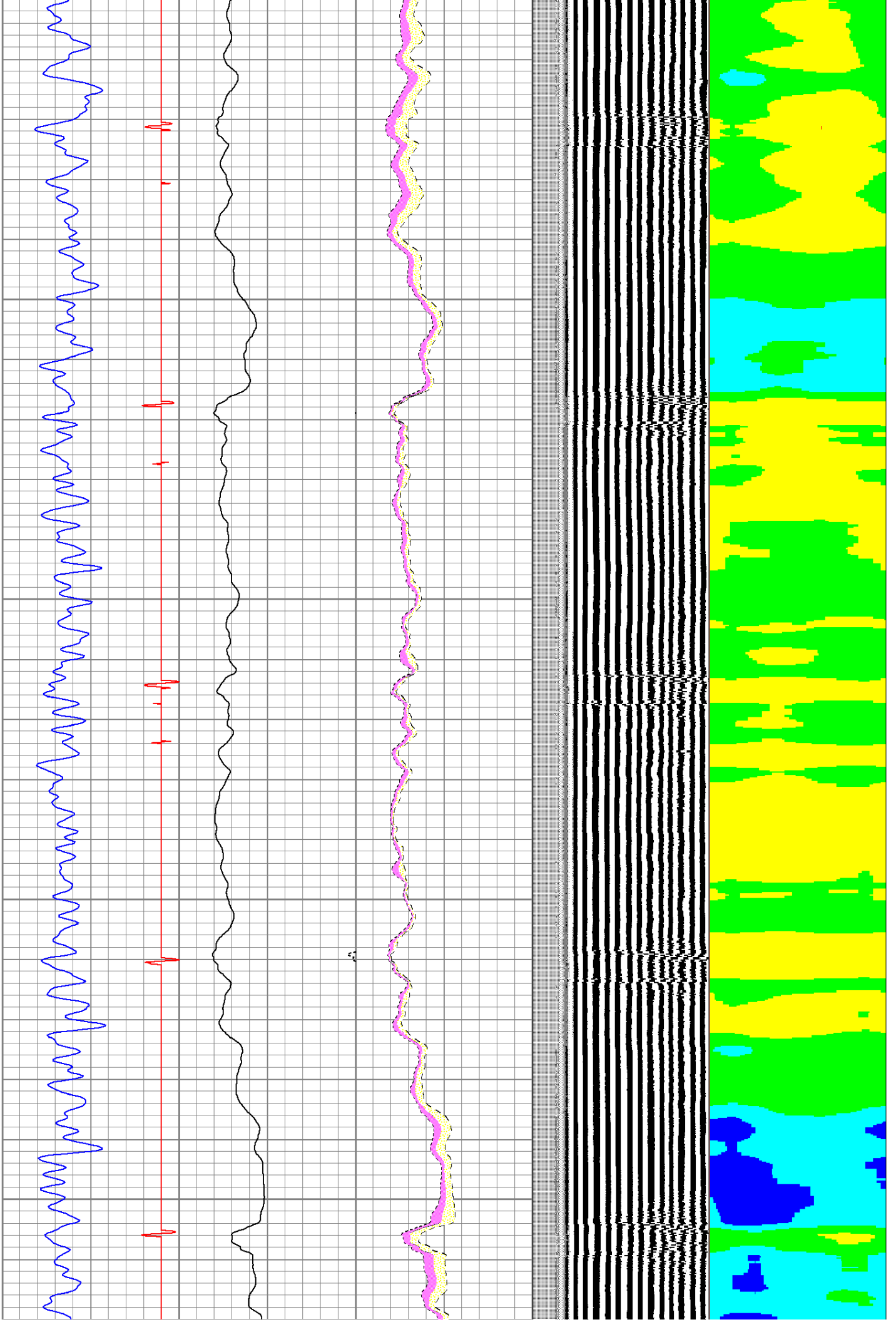
200

← Fluid Level



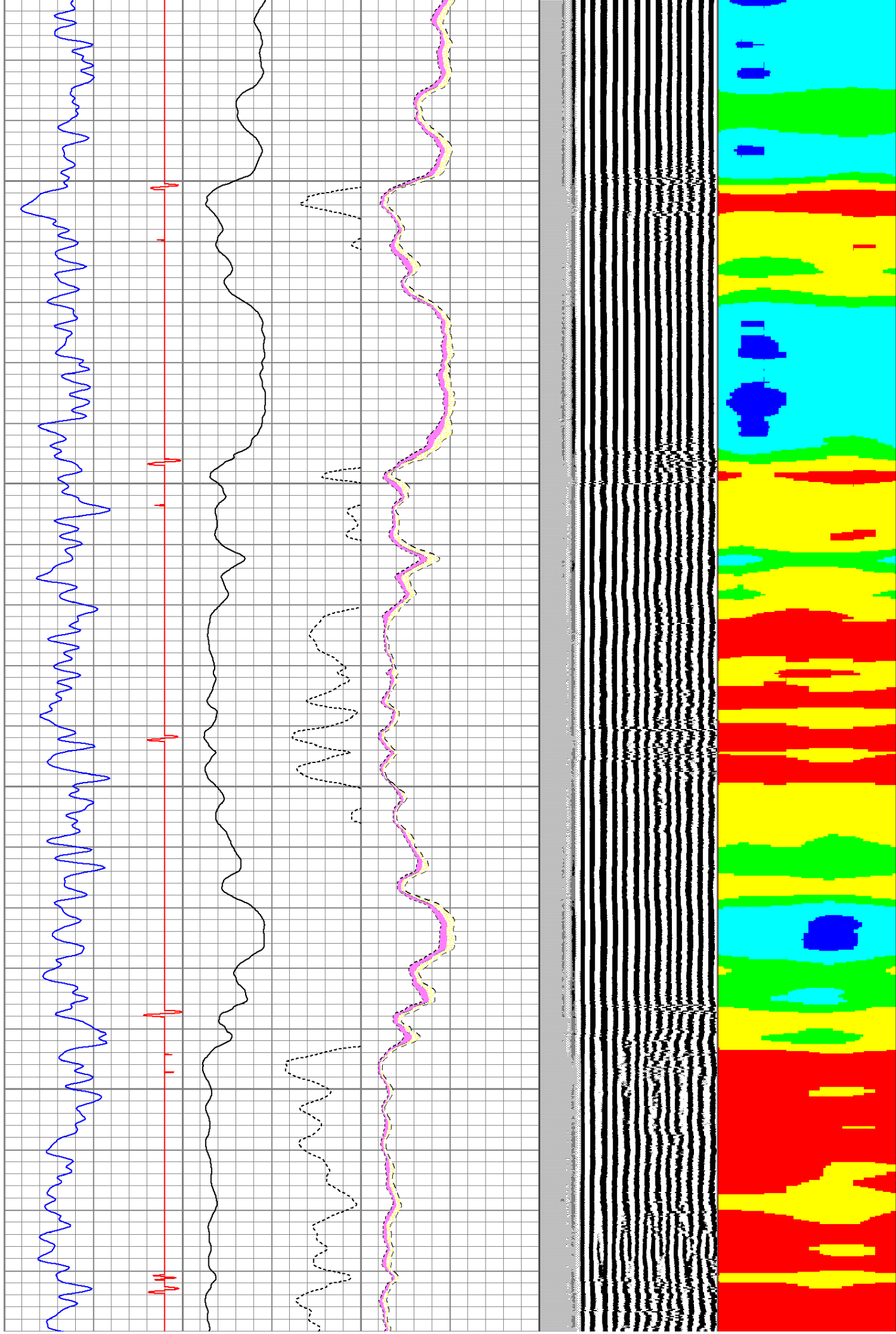
300

400



500

600

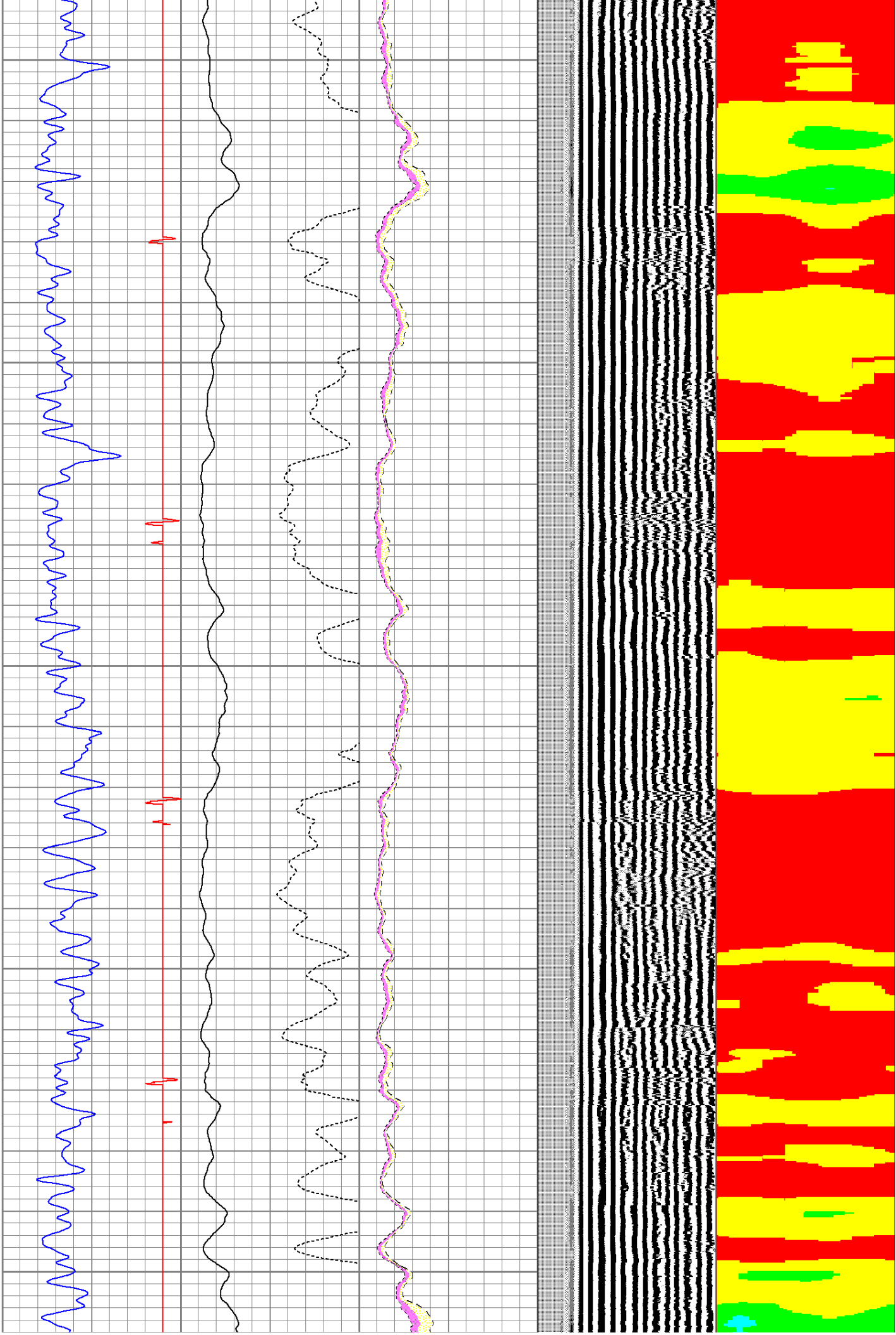




700

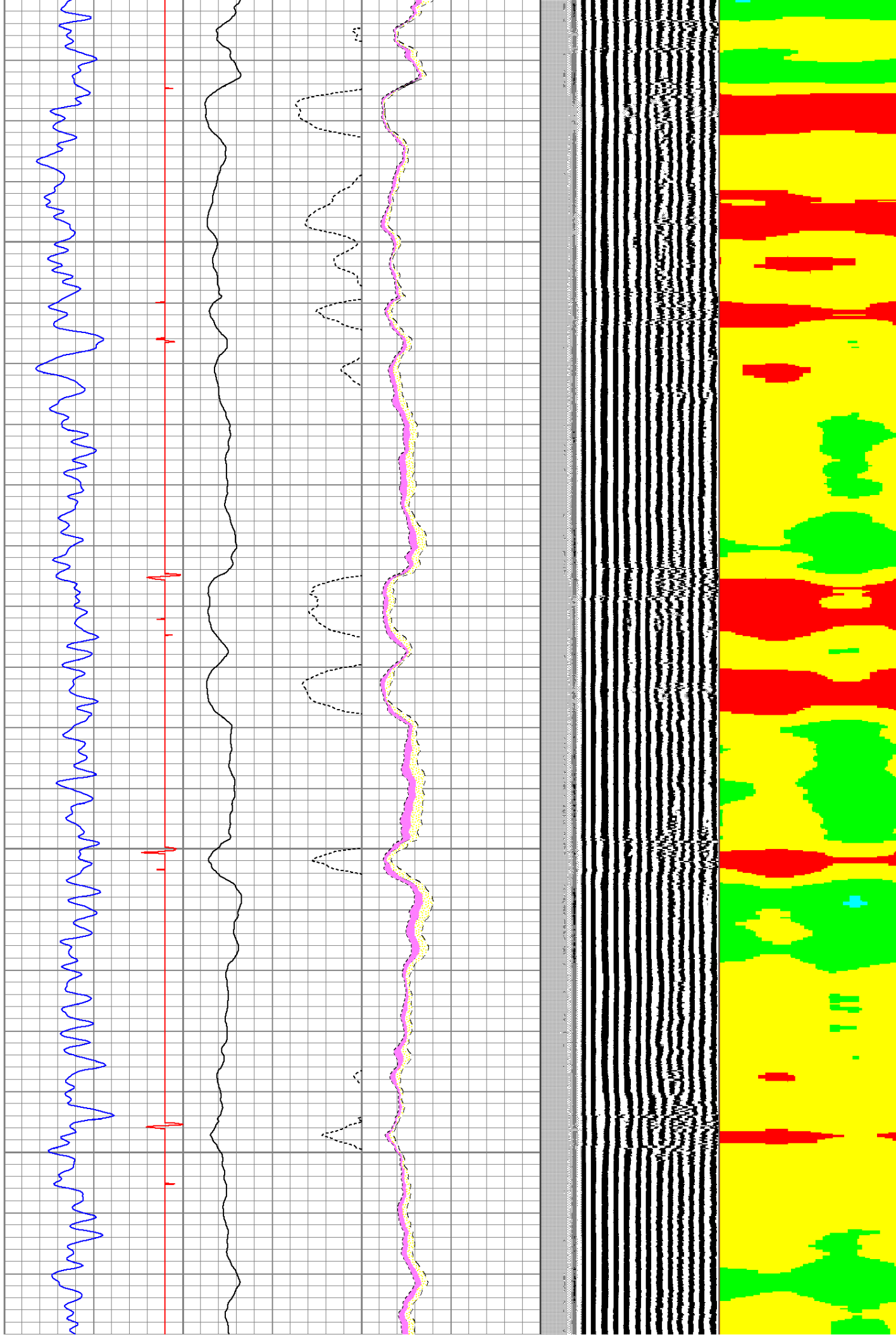
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900



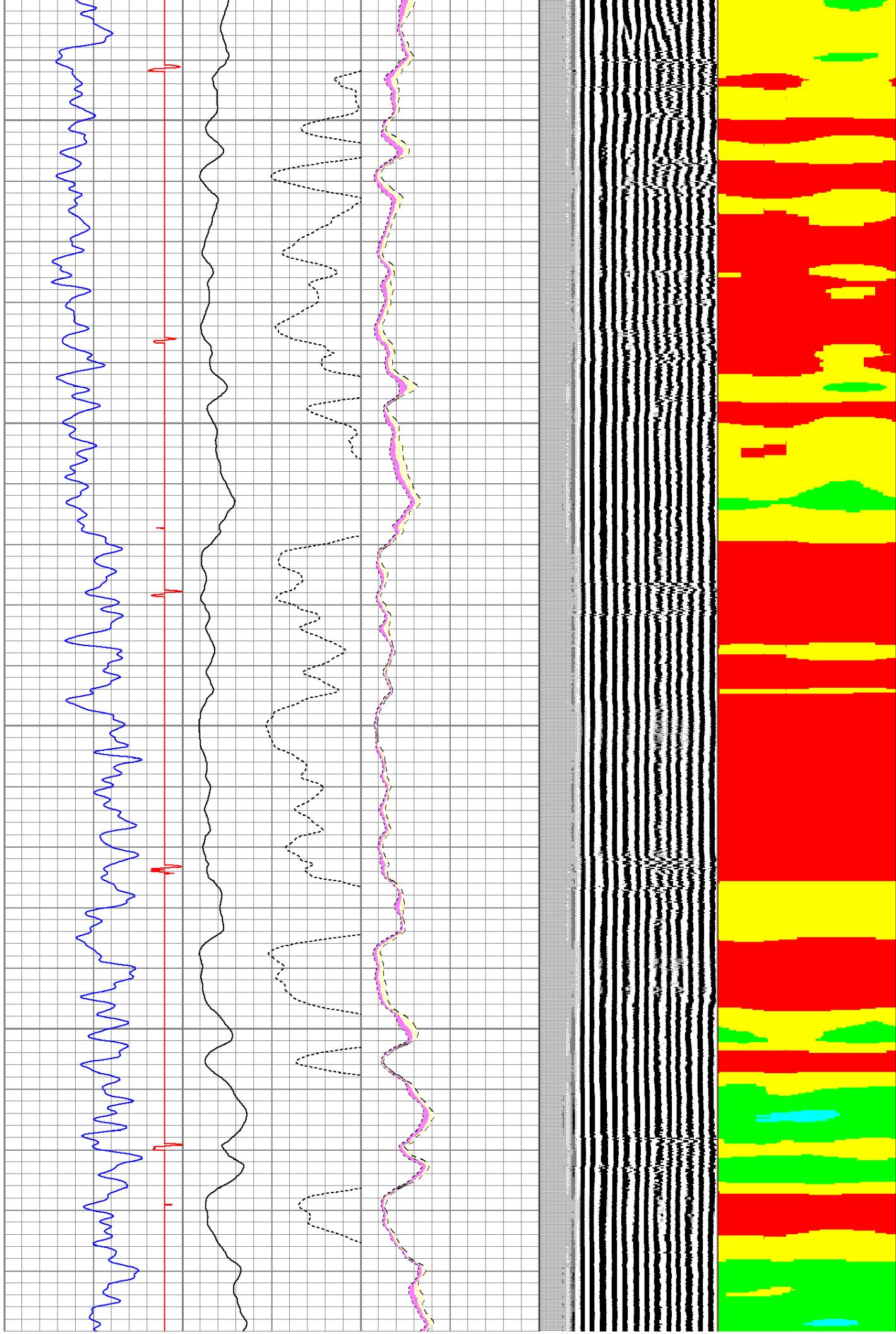
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1100



1200

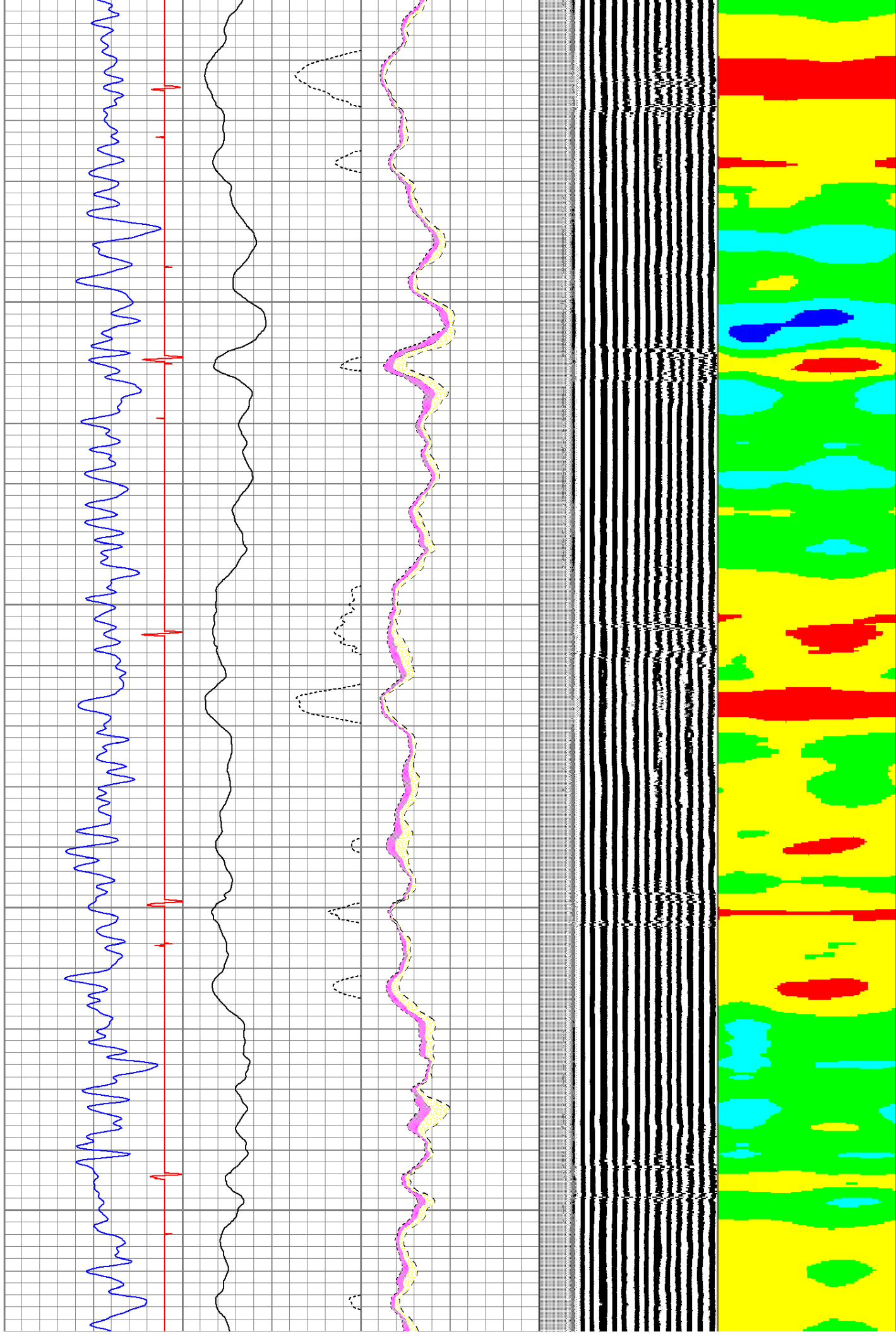
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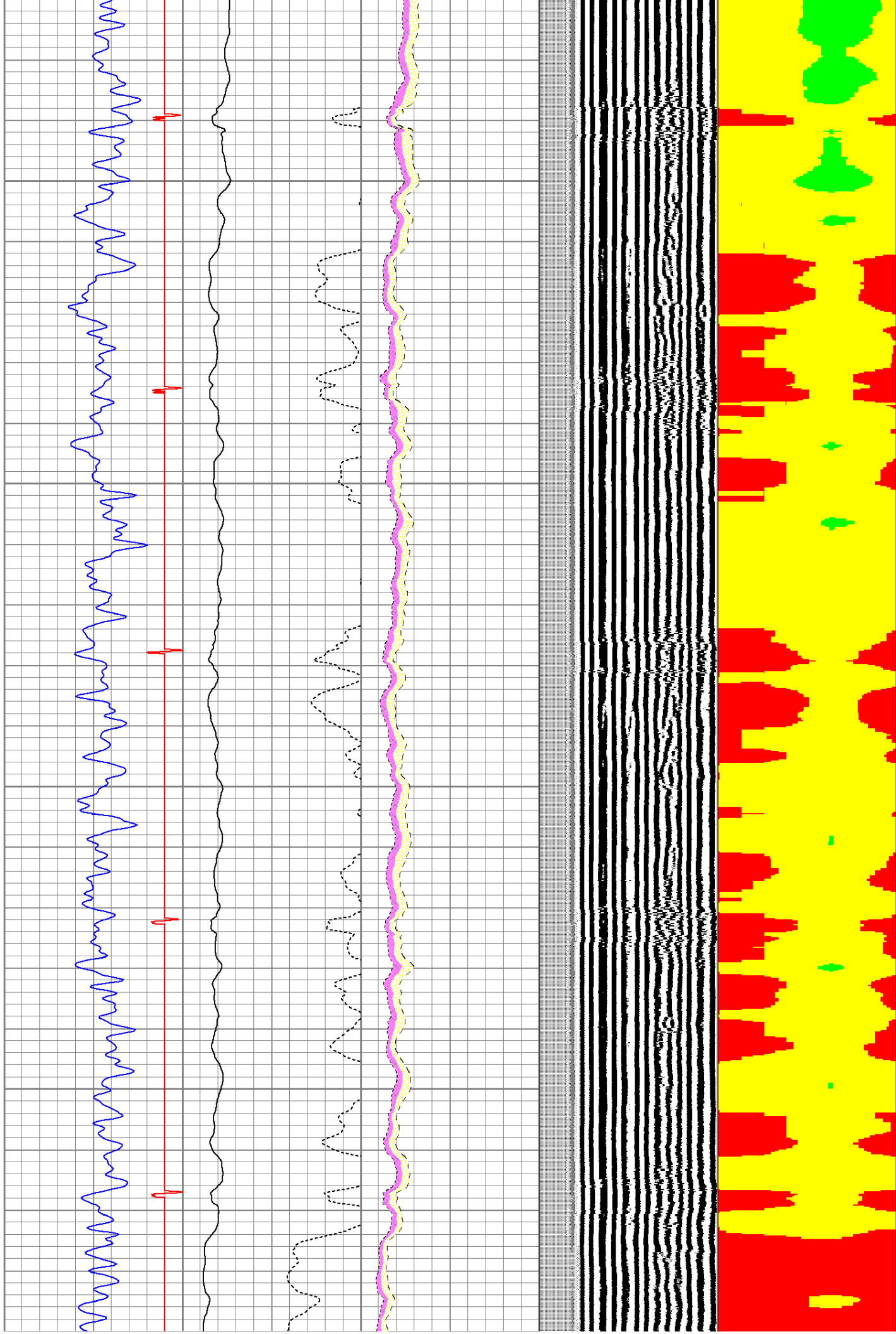
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1500



1600

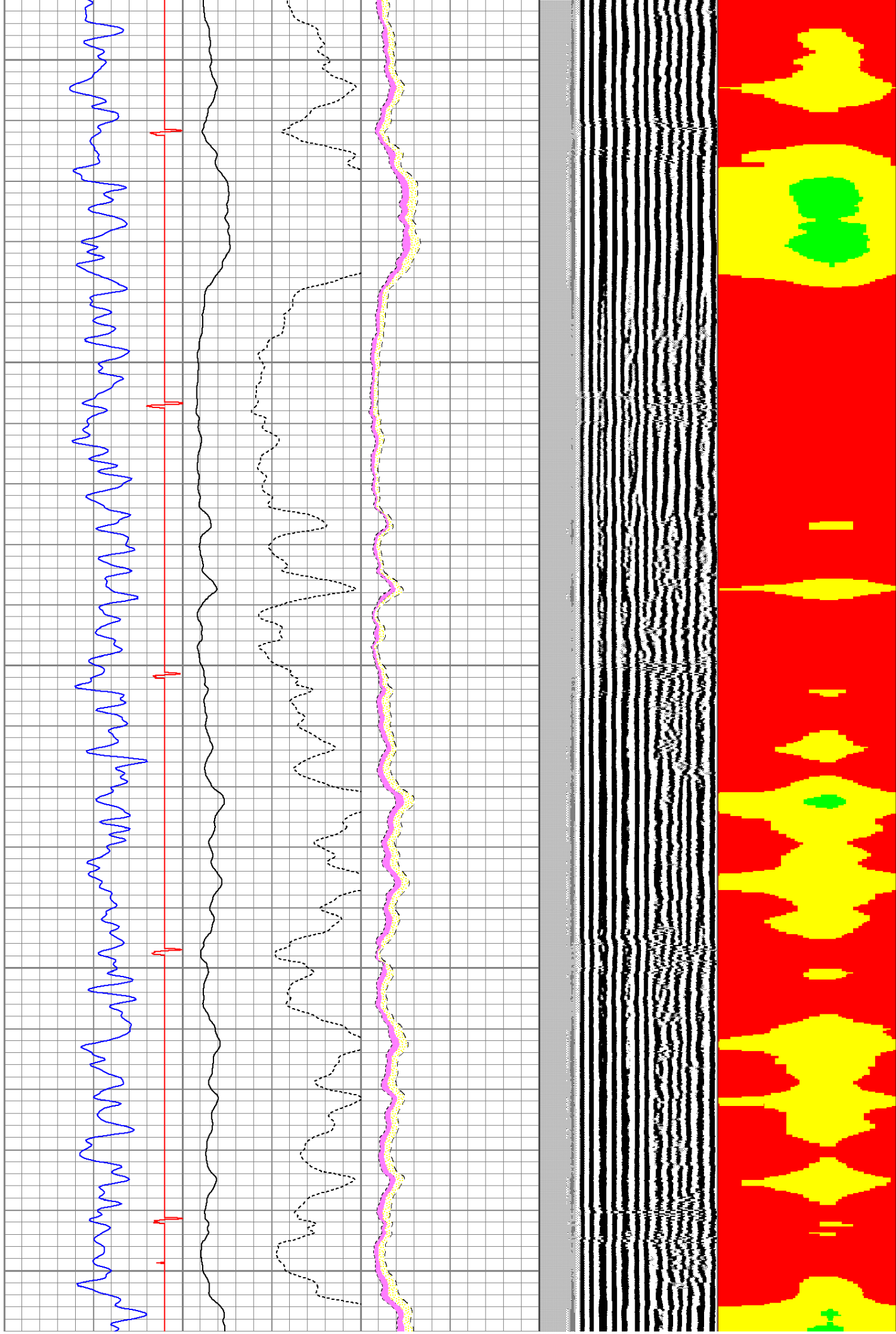
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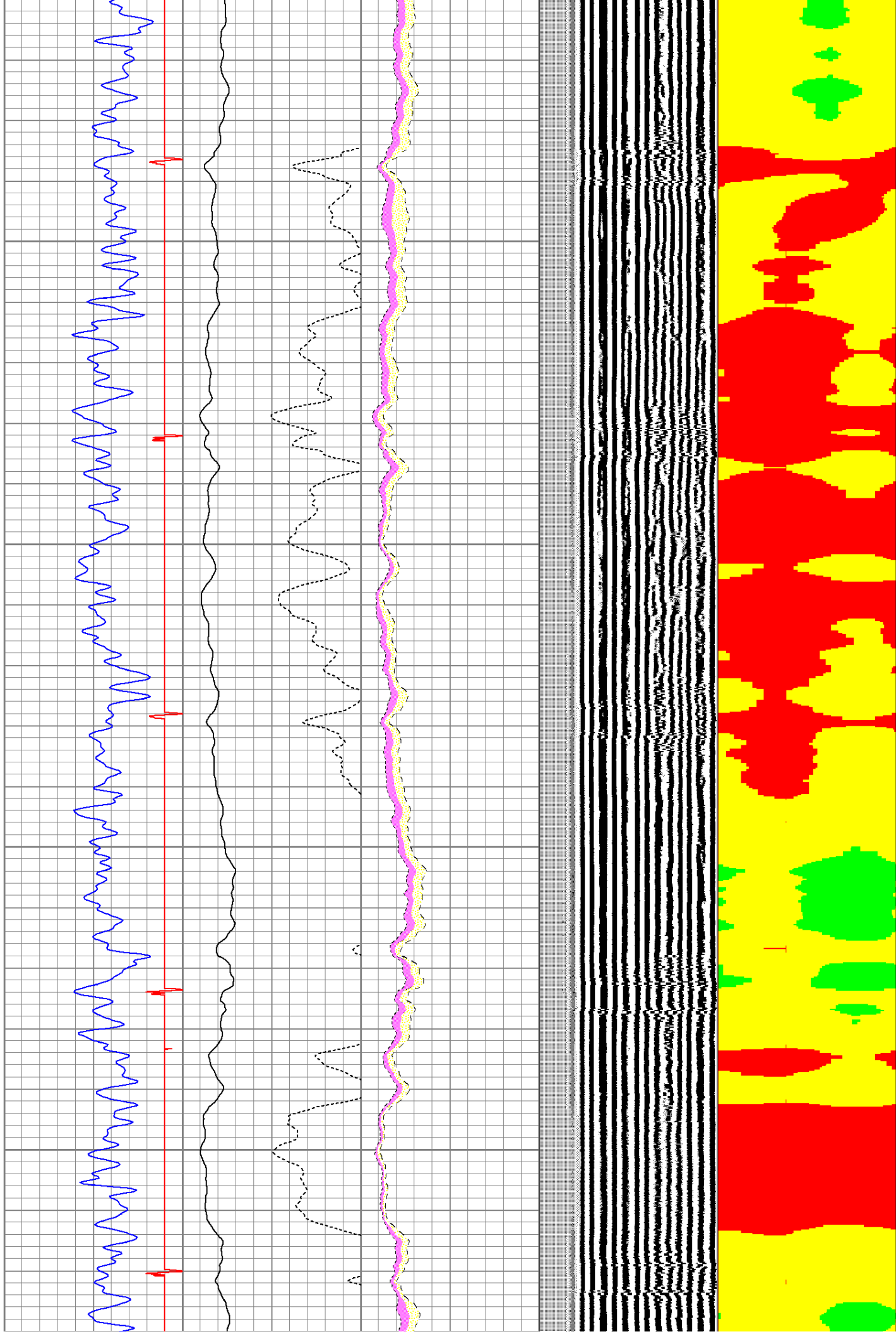
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2000



2100

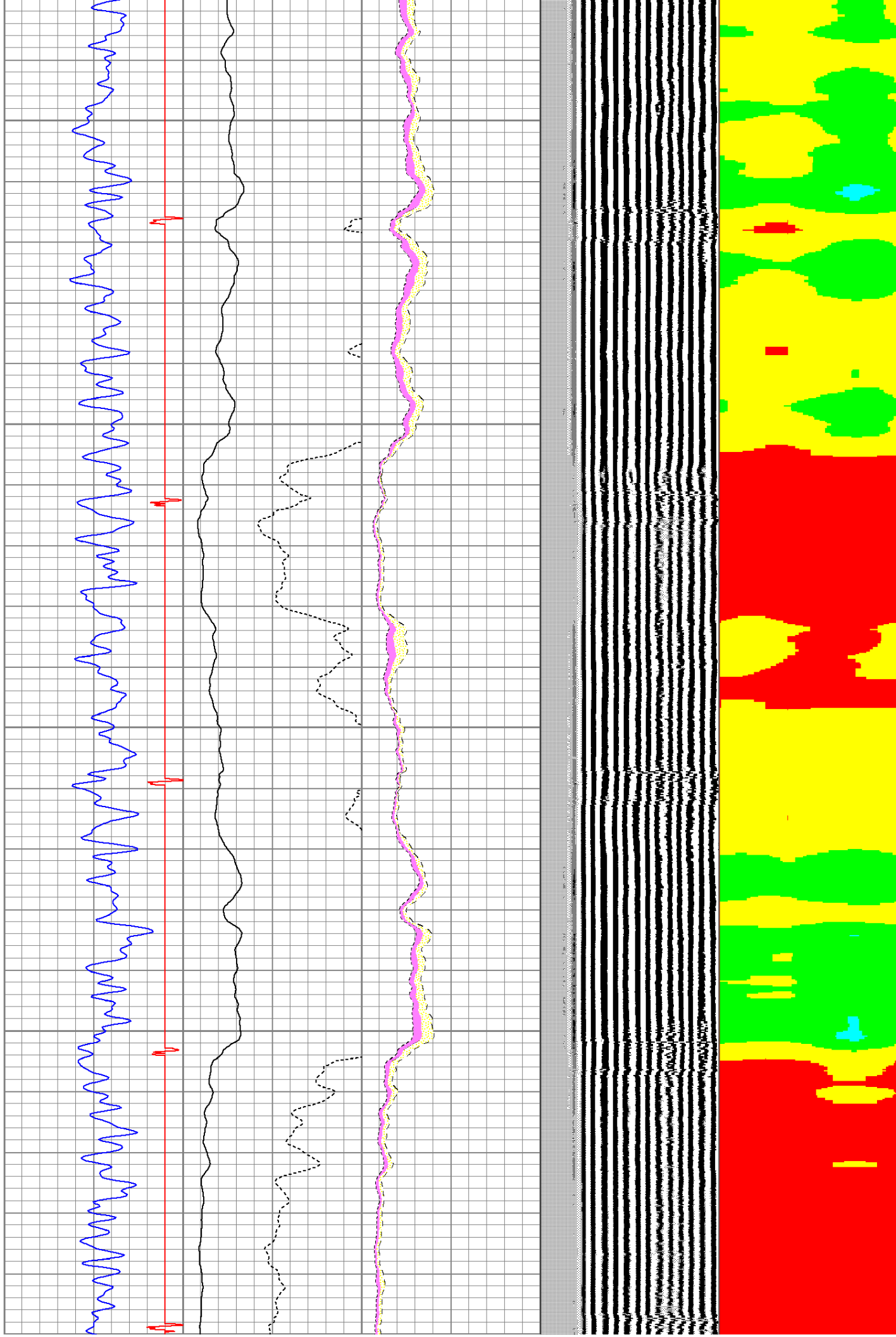
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2300

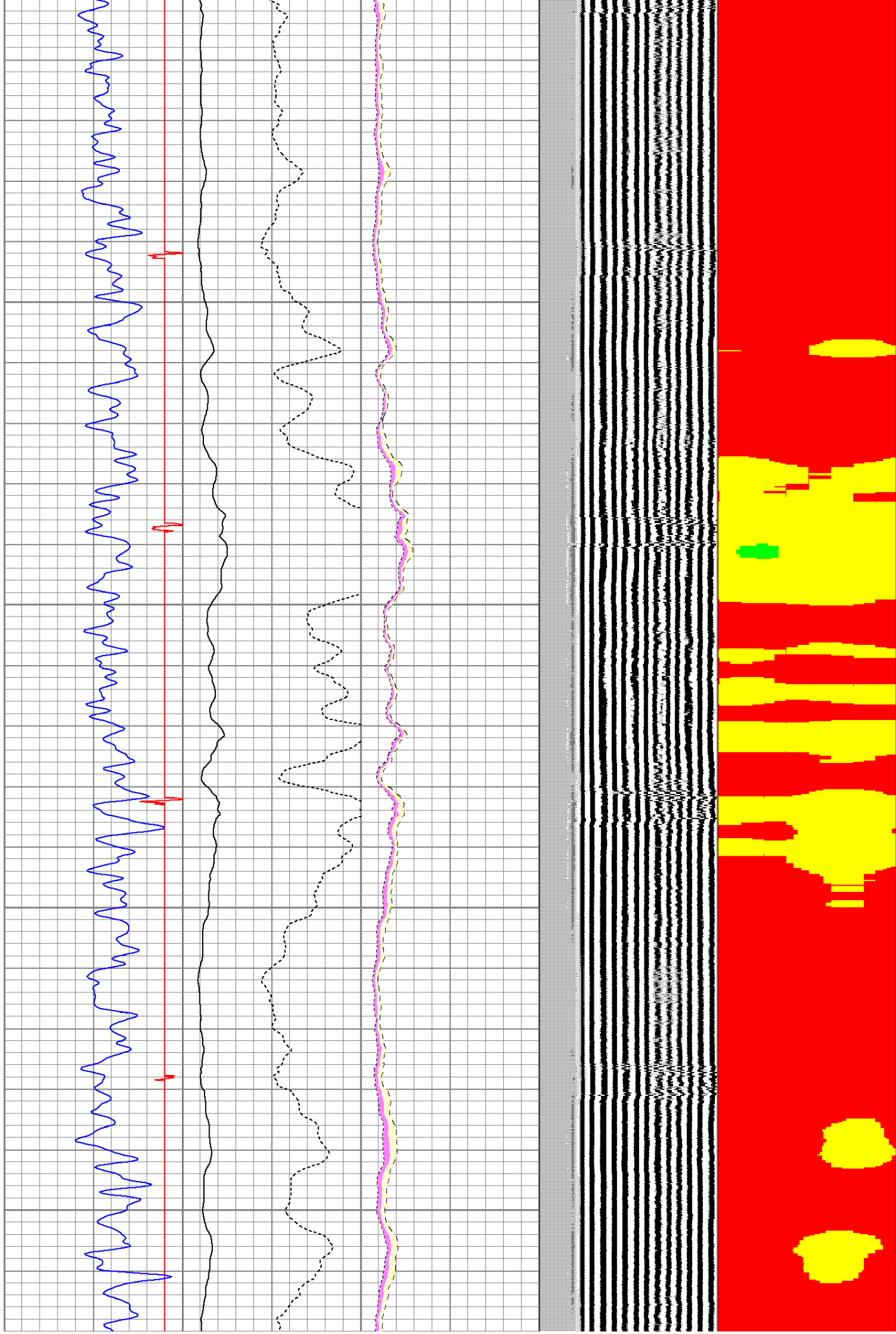
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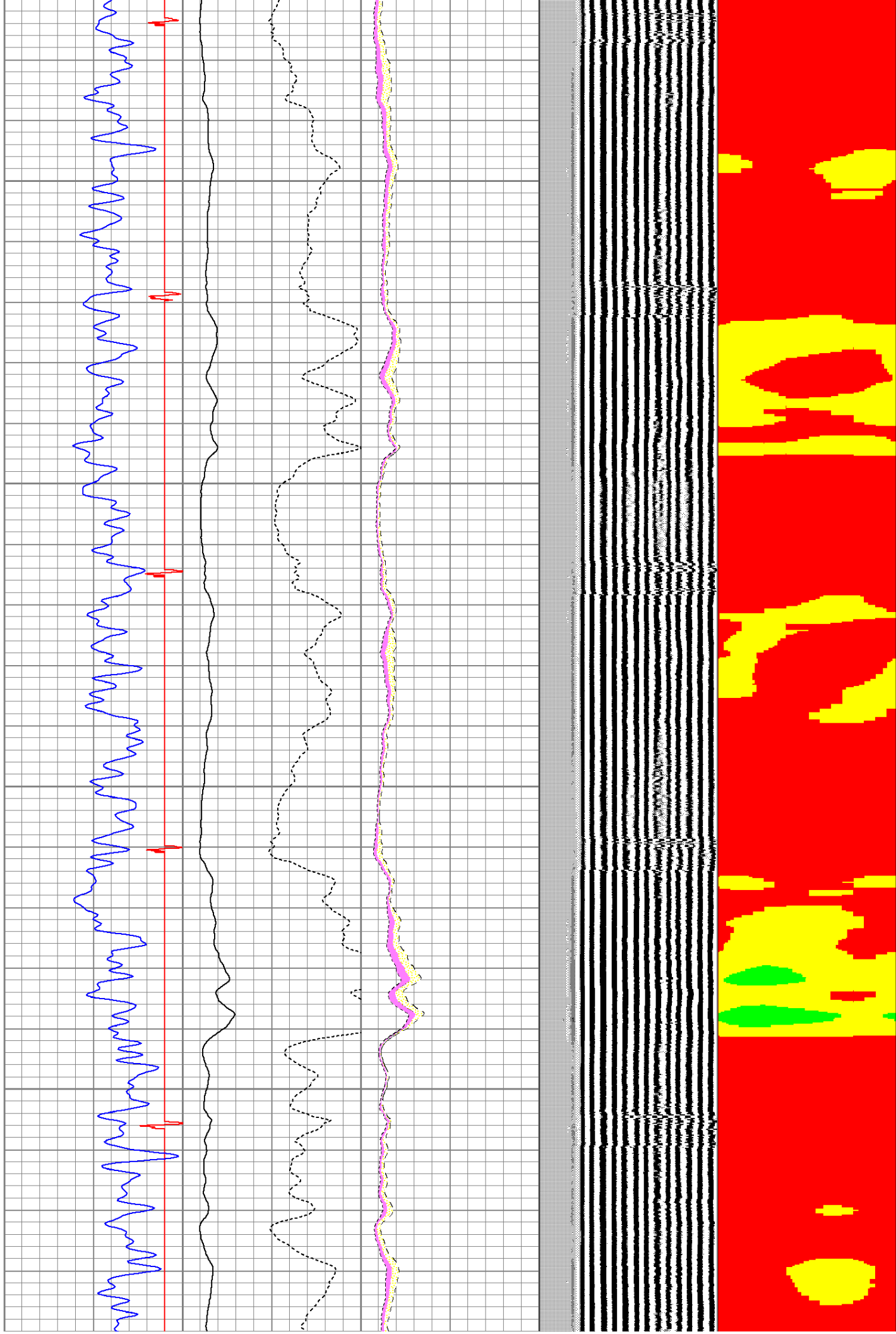
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2600



2700

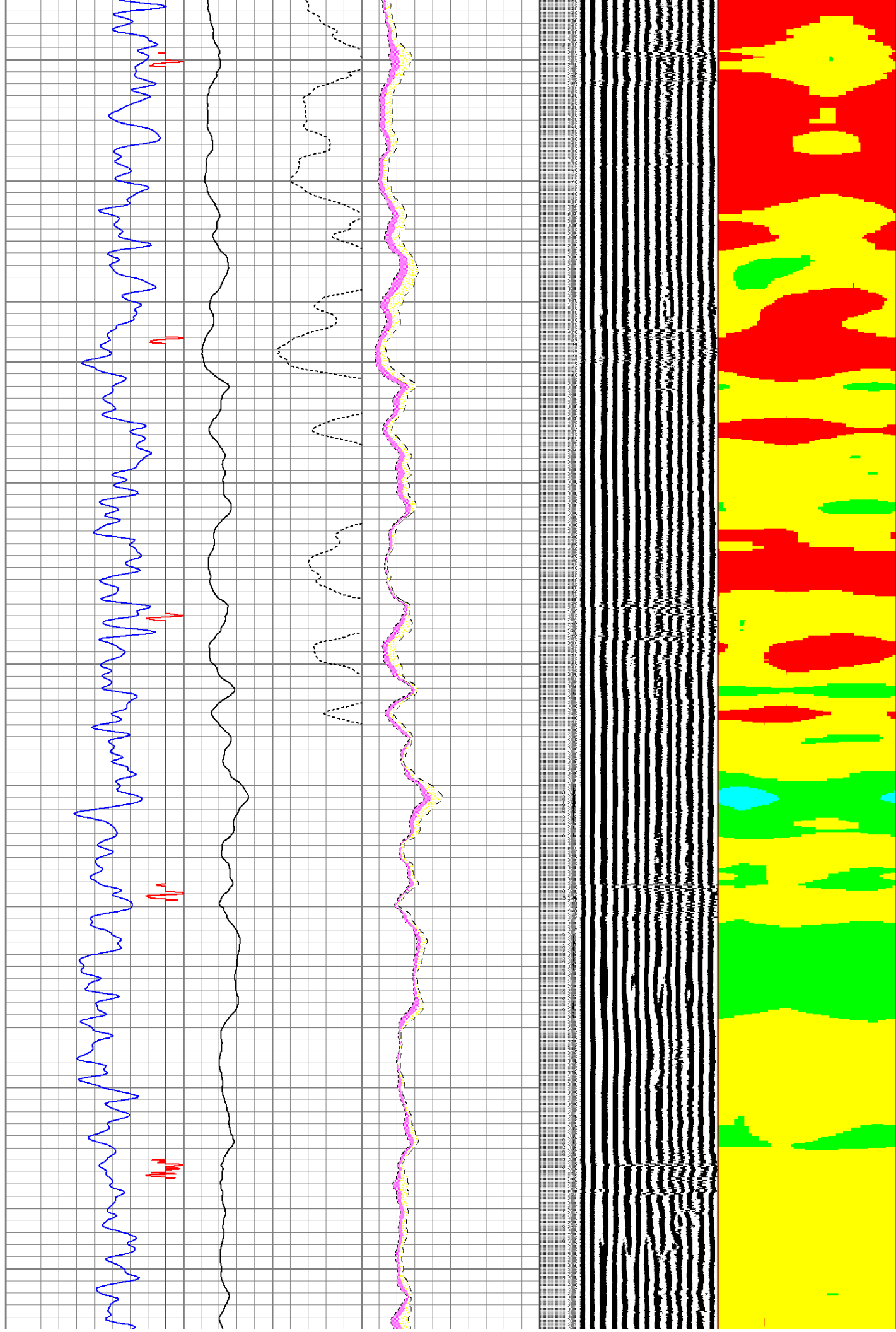
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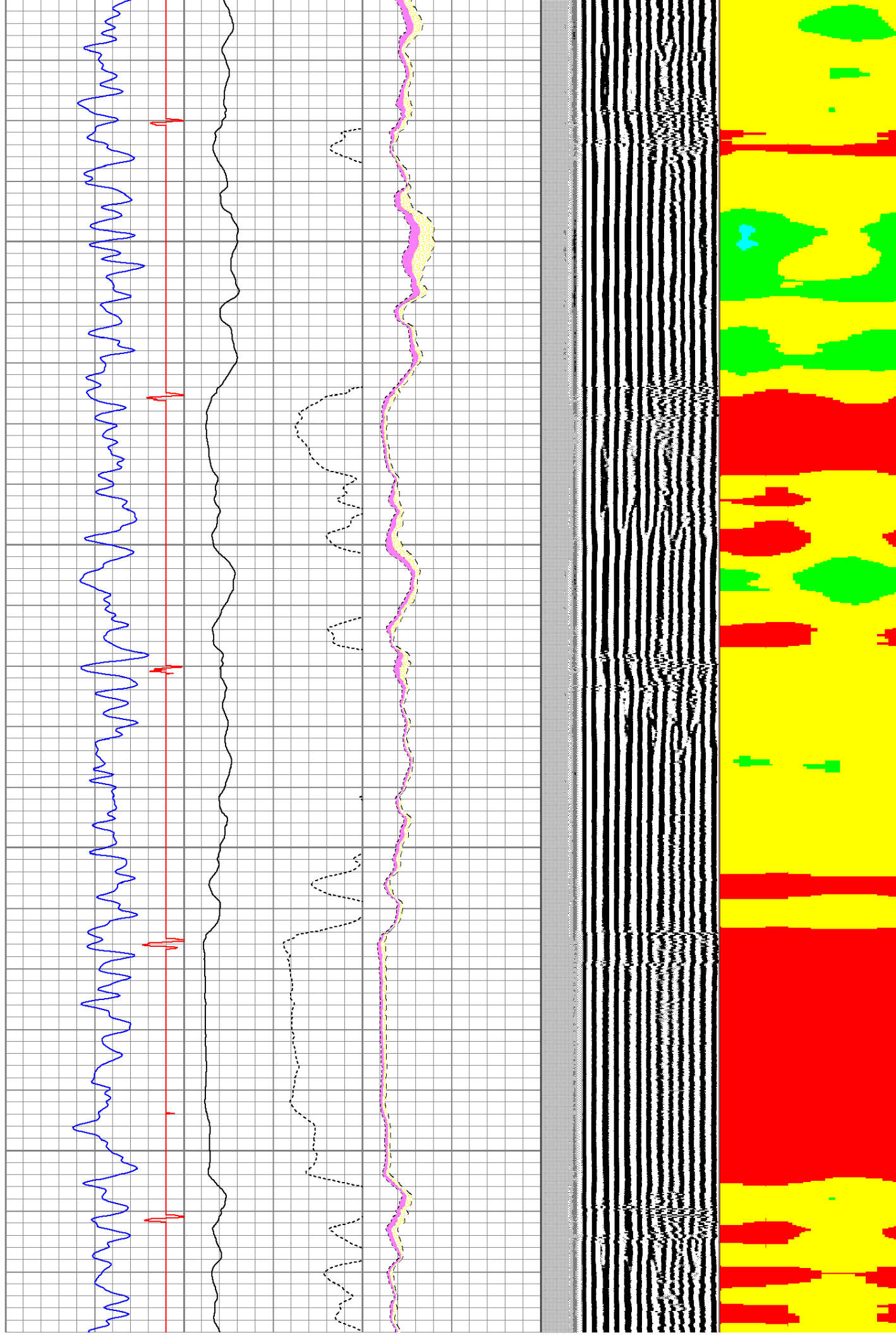
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3100



3200

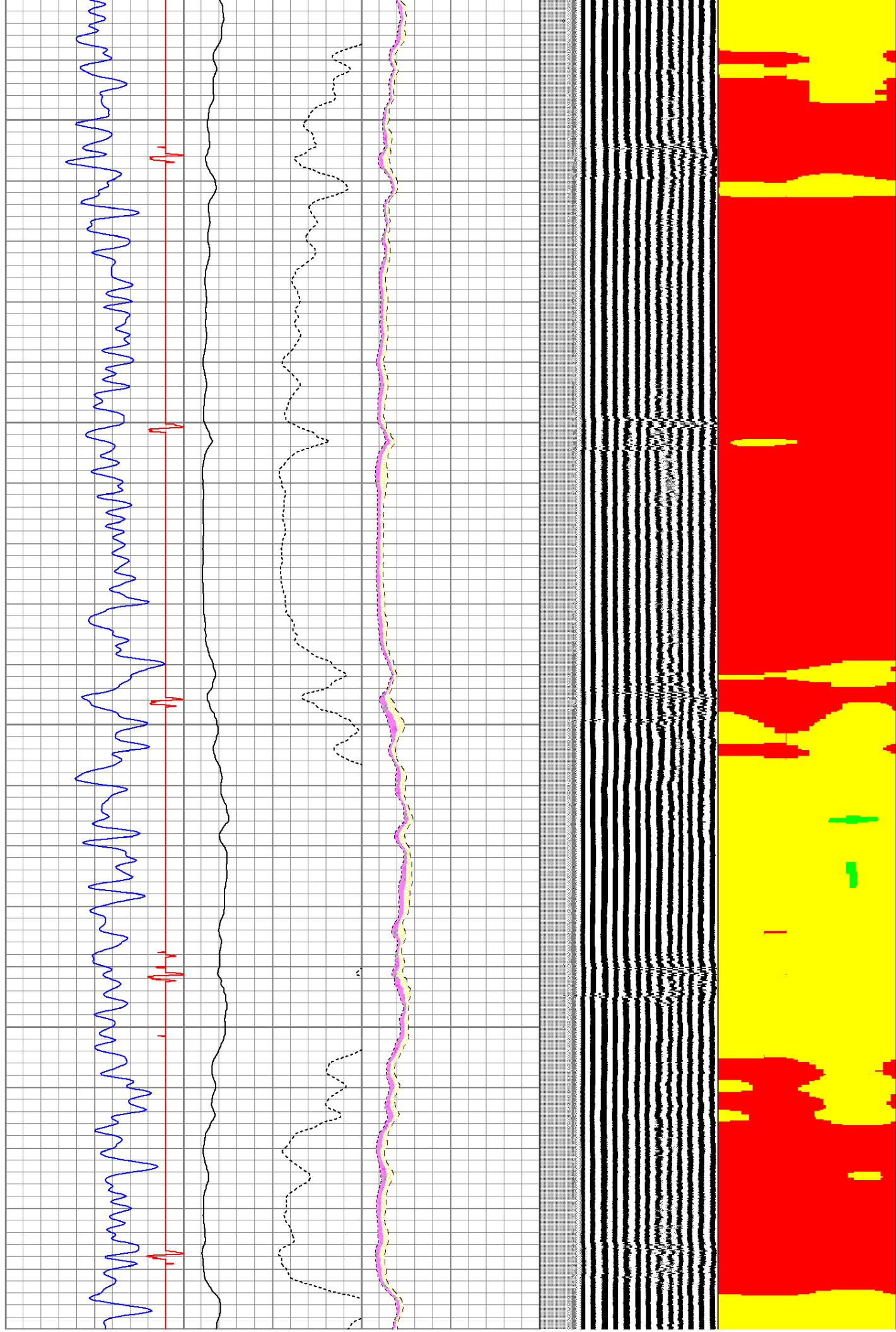
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3400

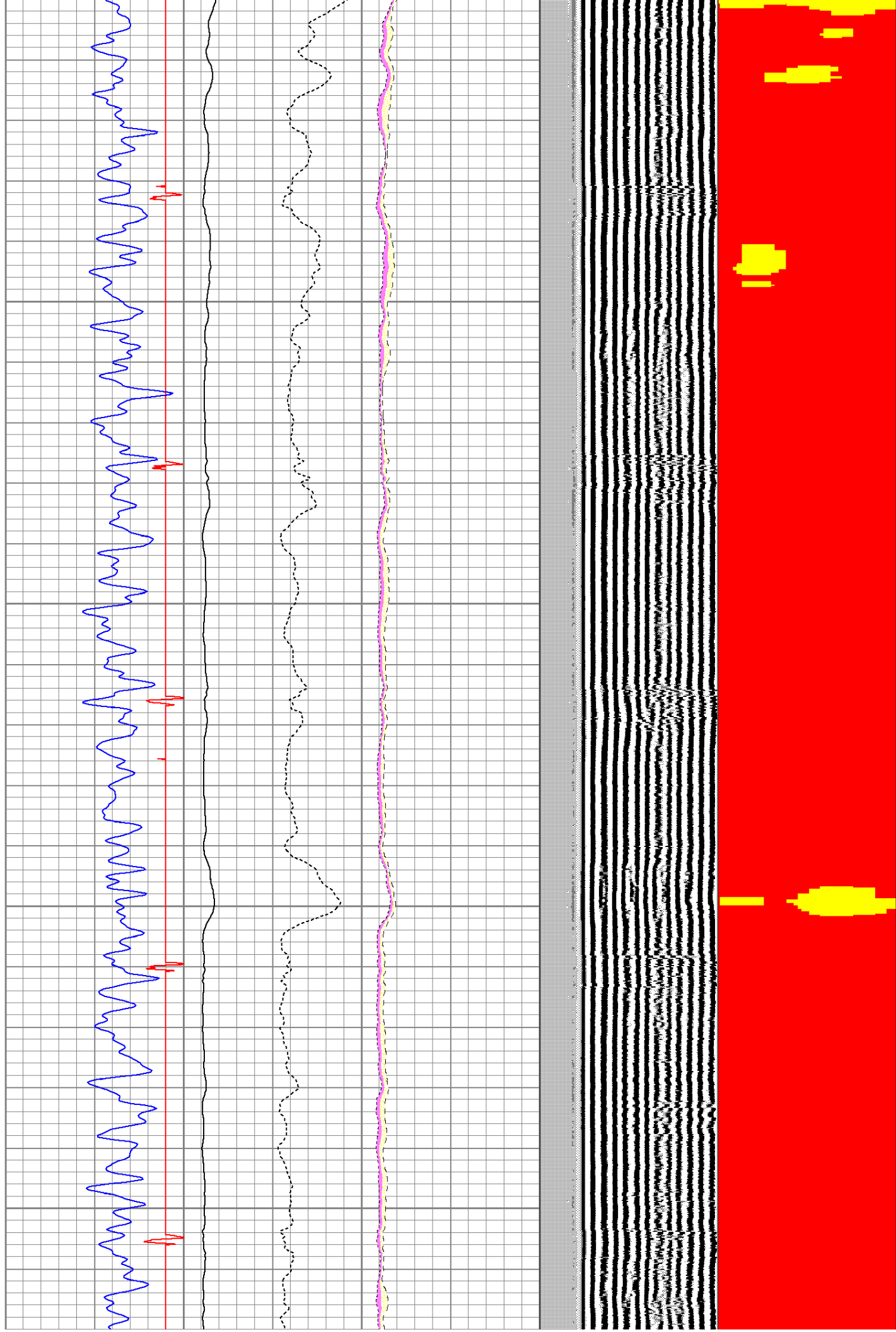
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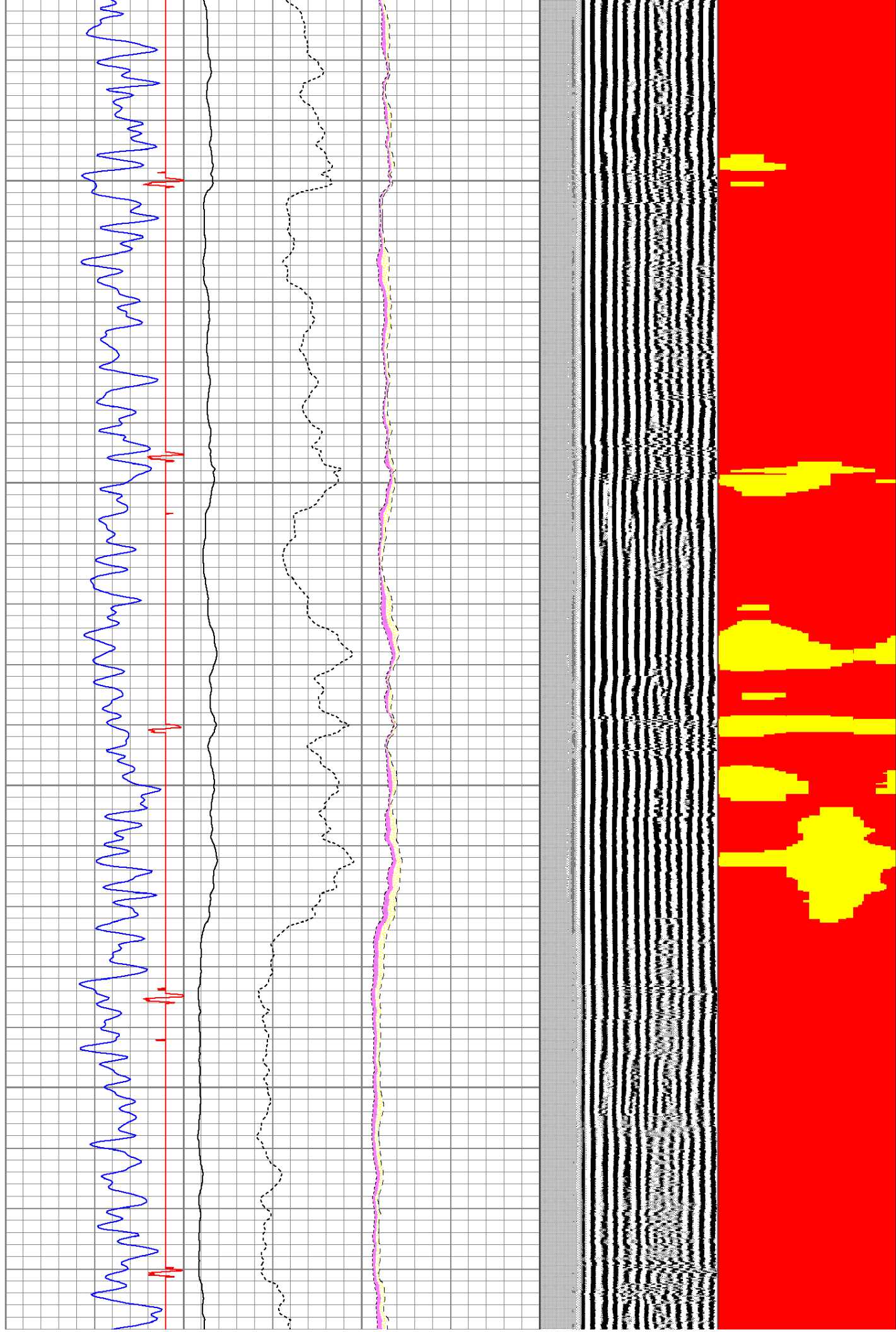
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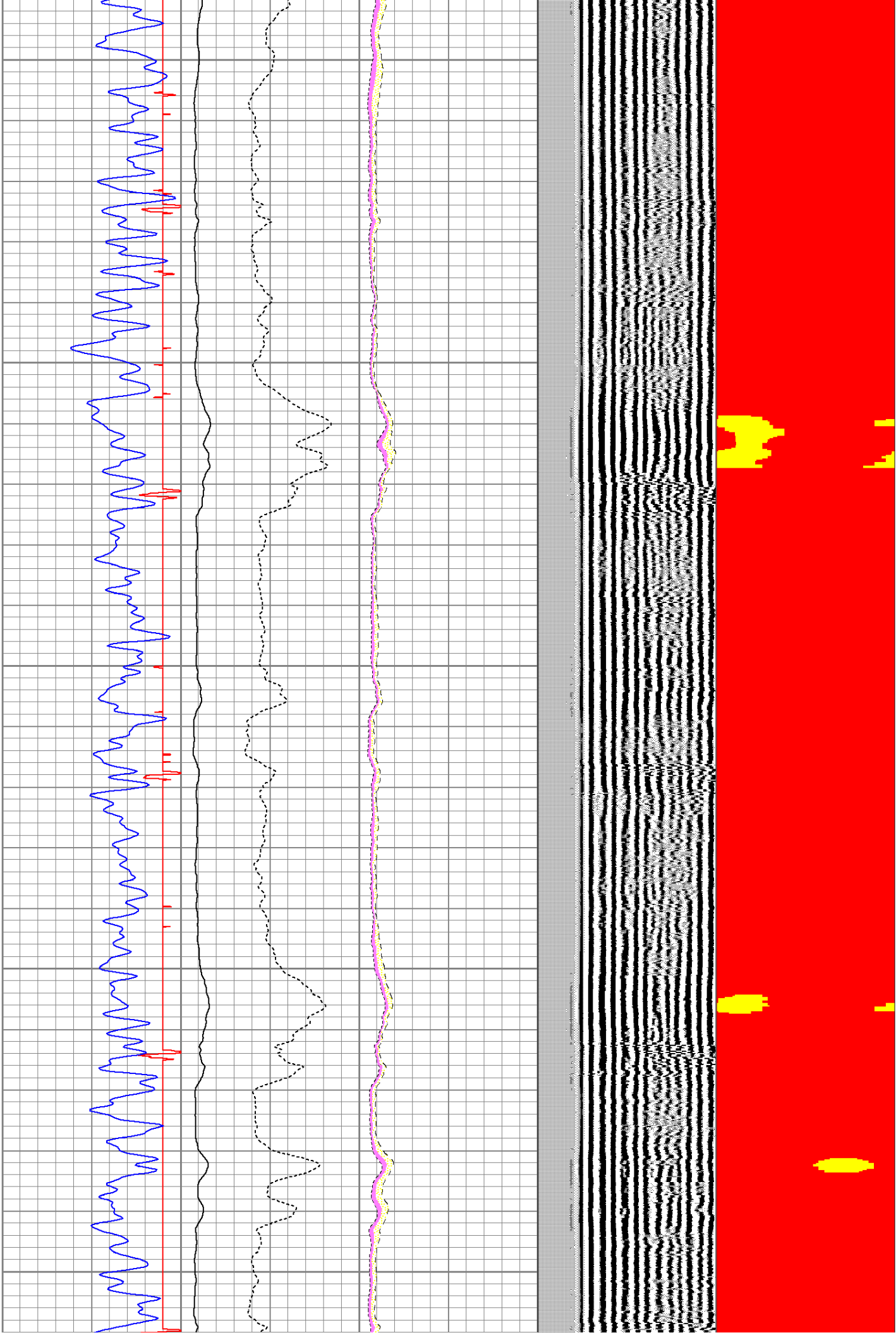
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4000

4100

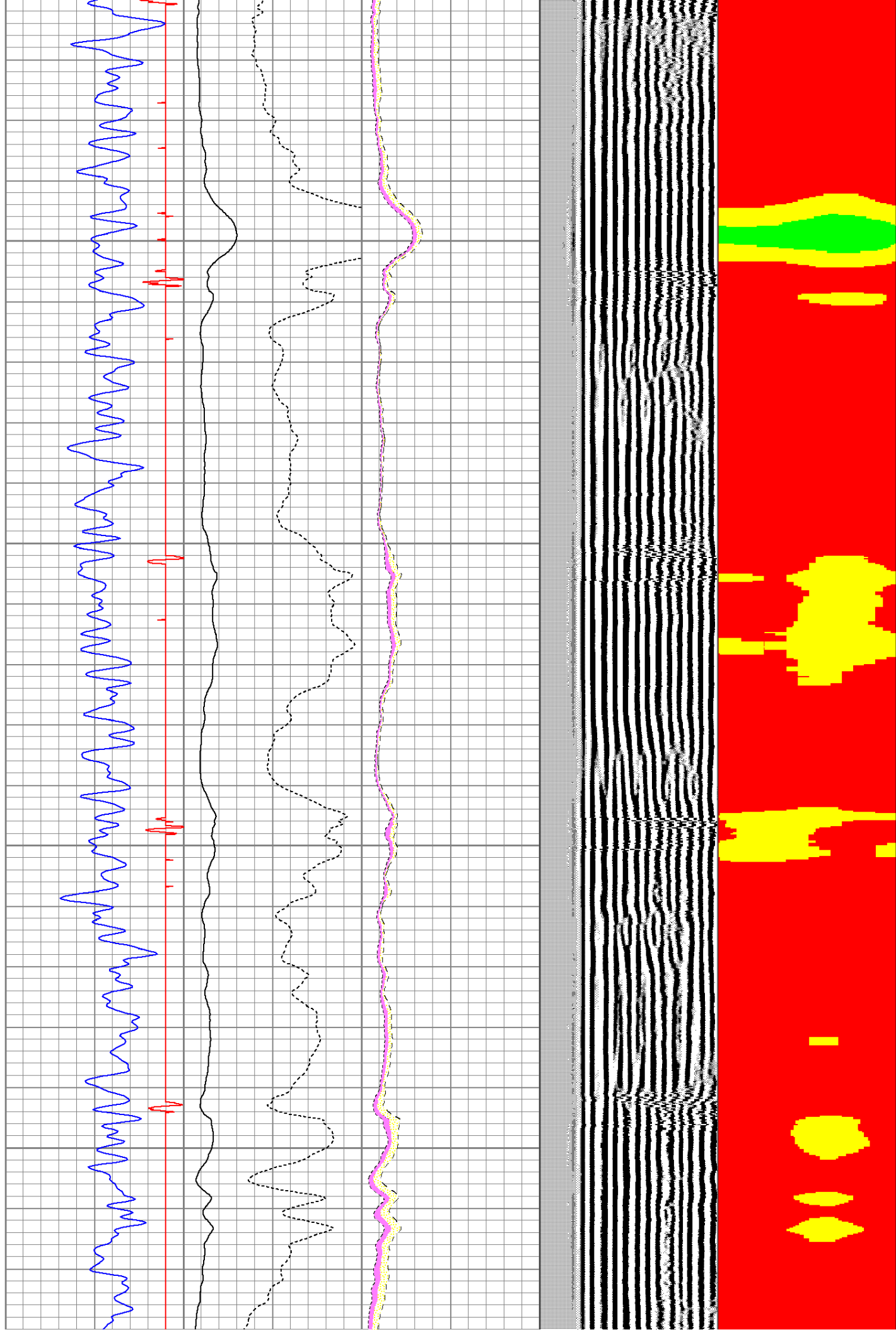
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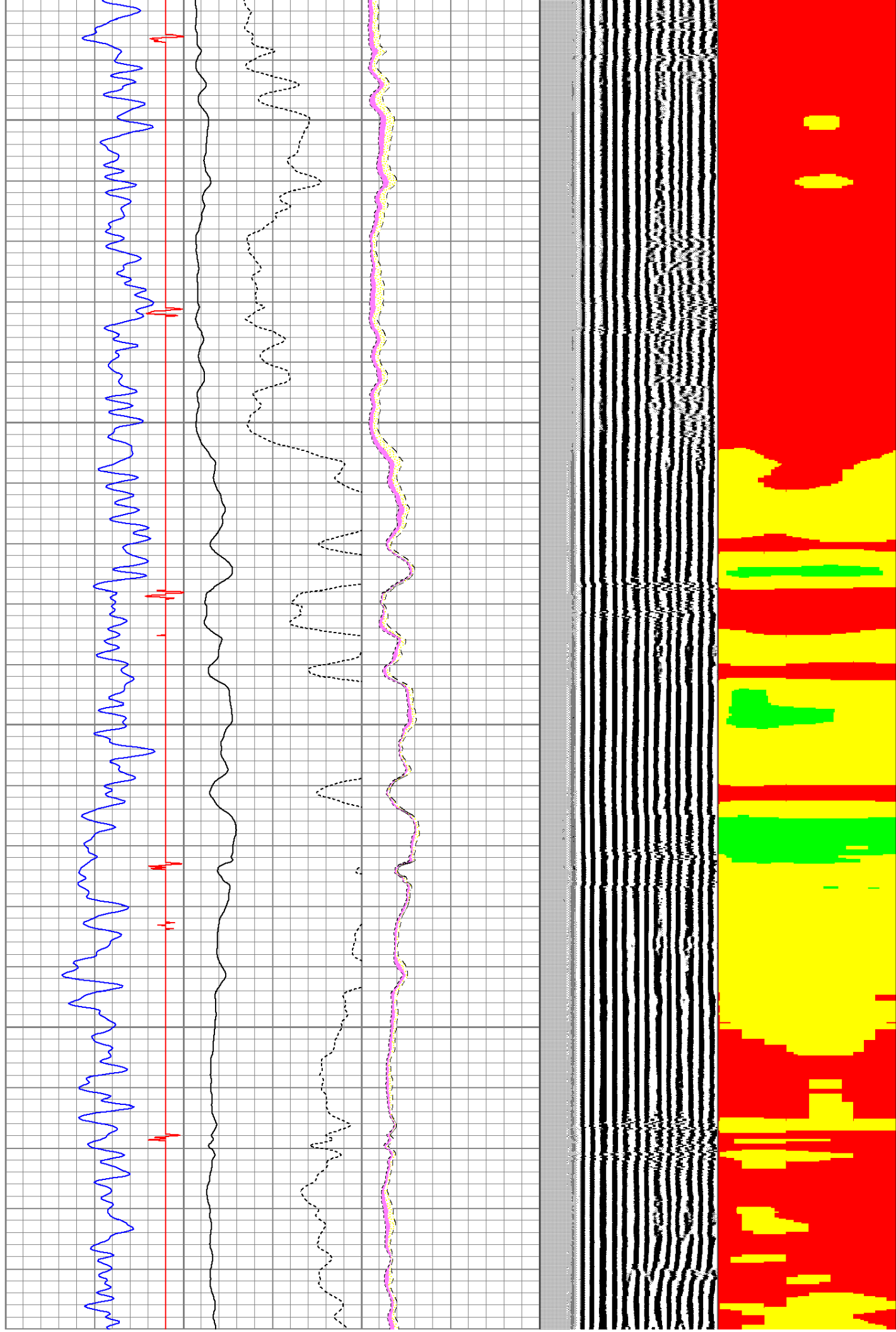
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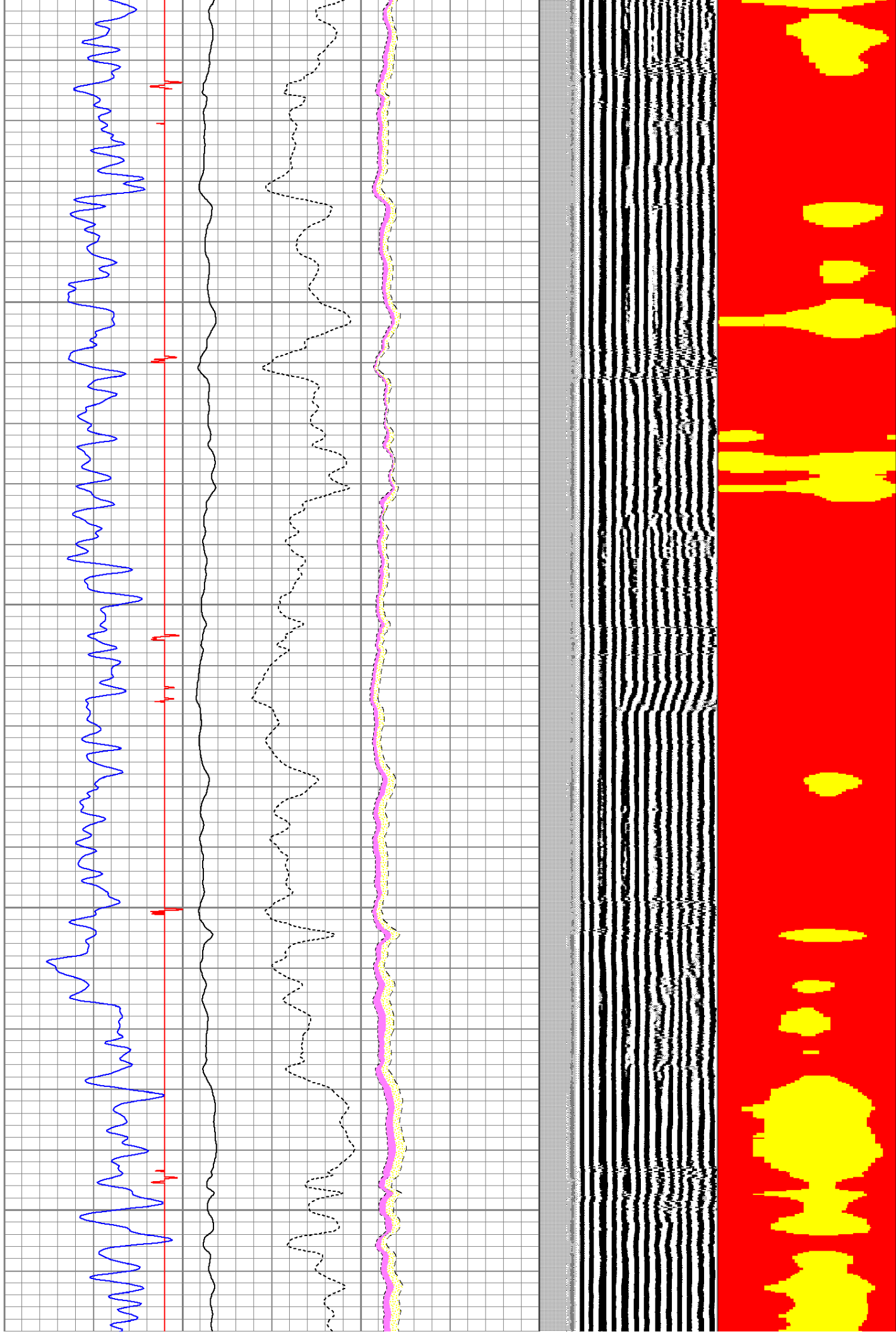
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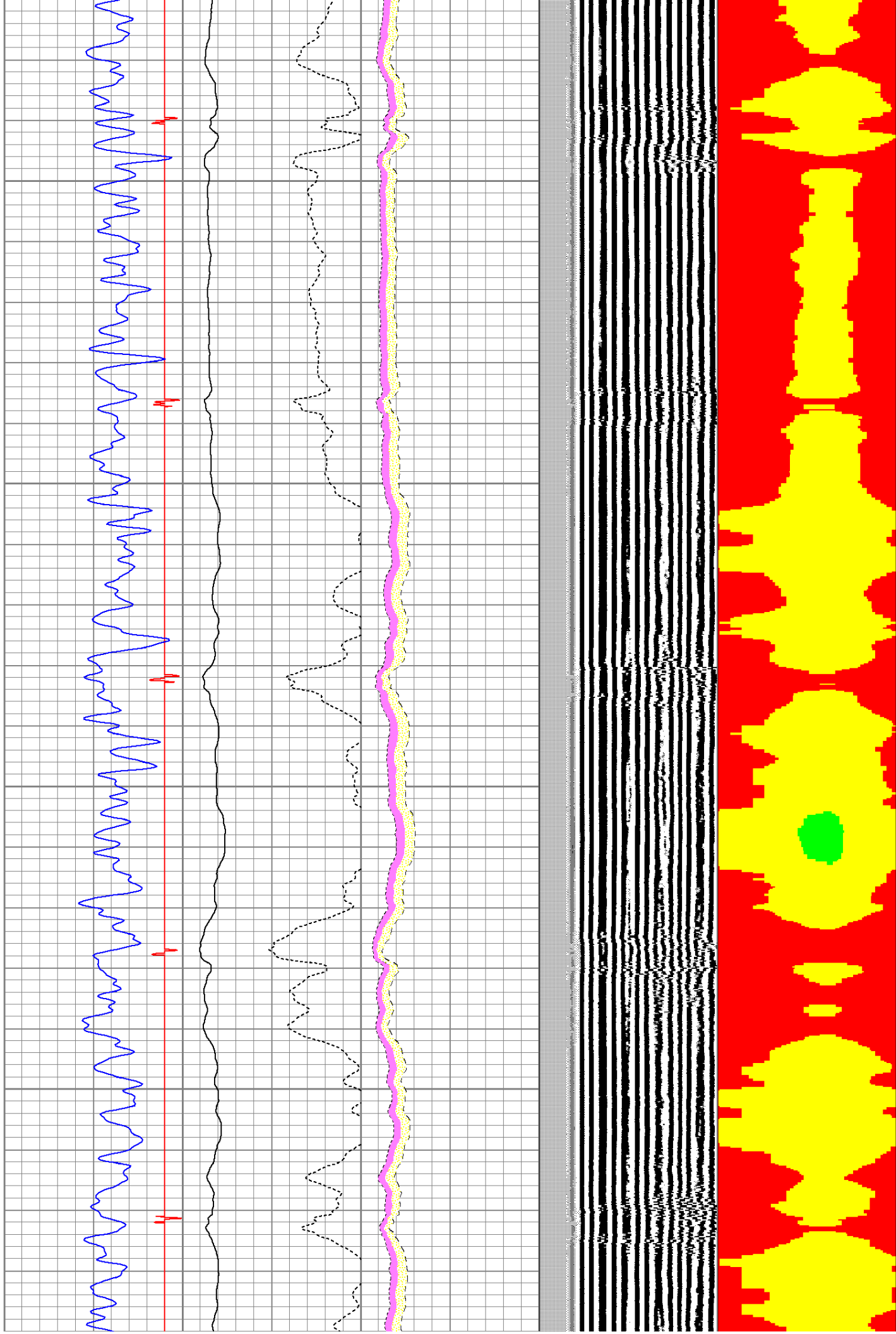
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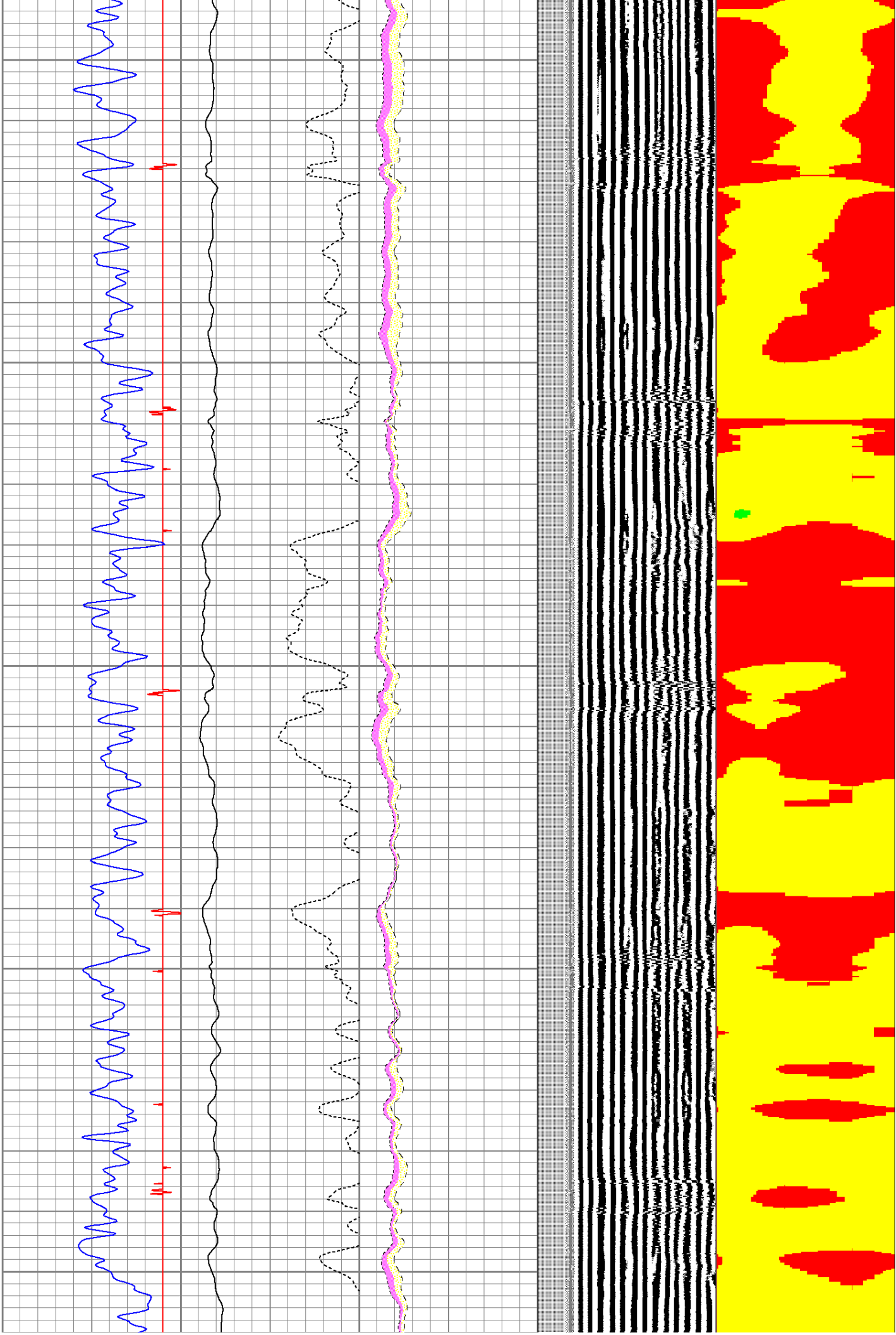
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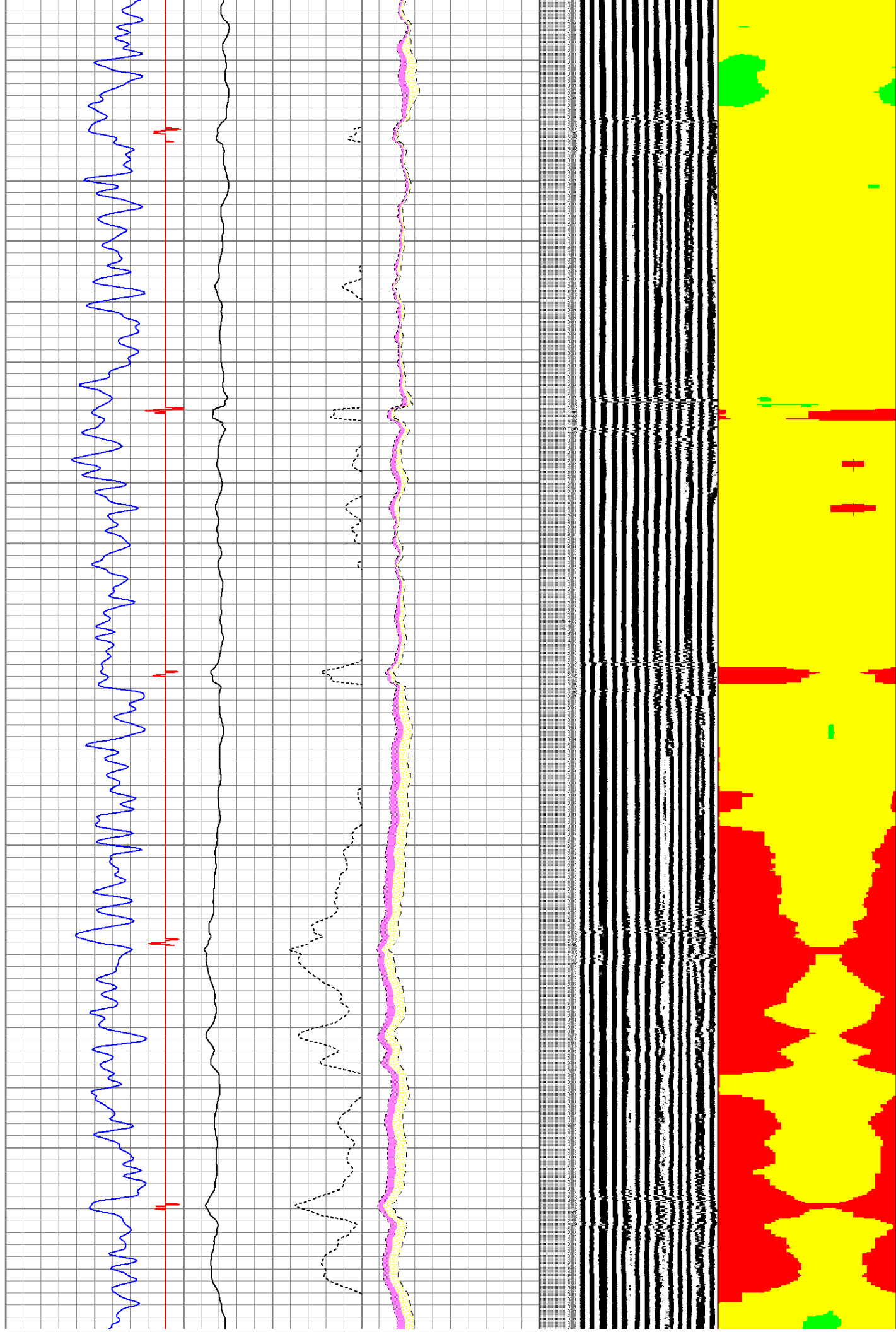
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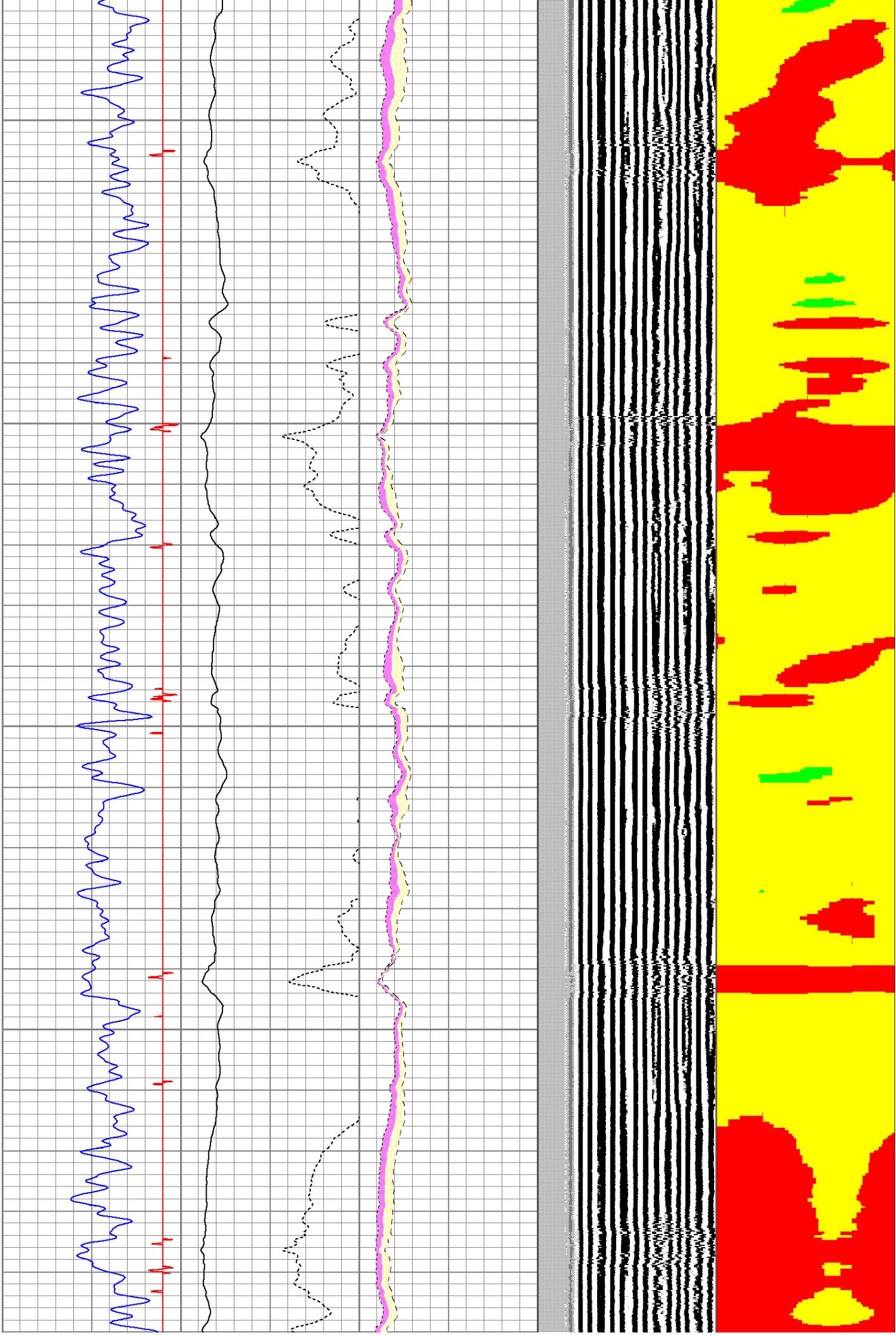
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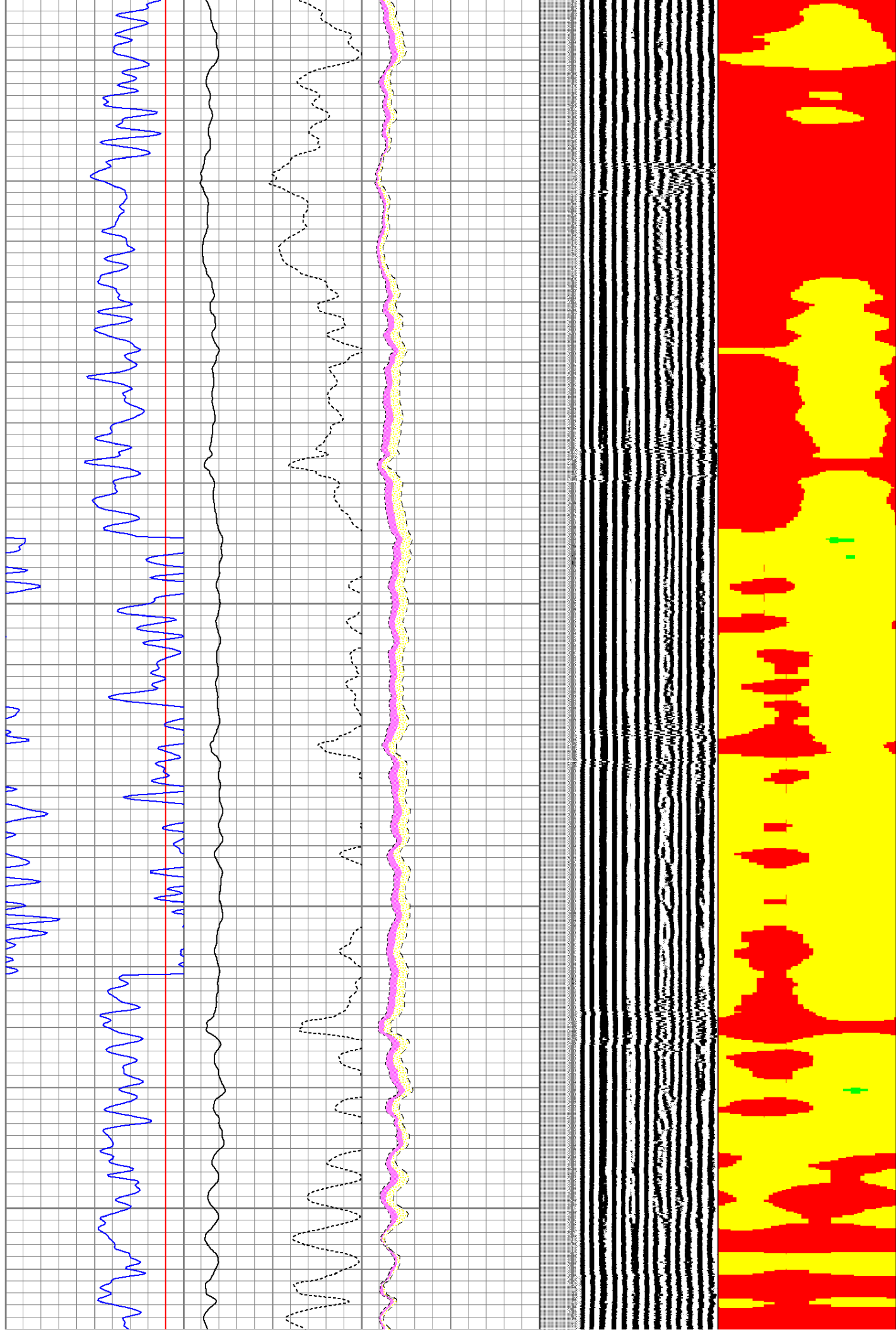
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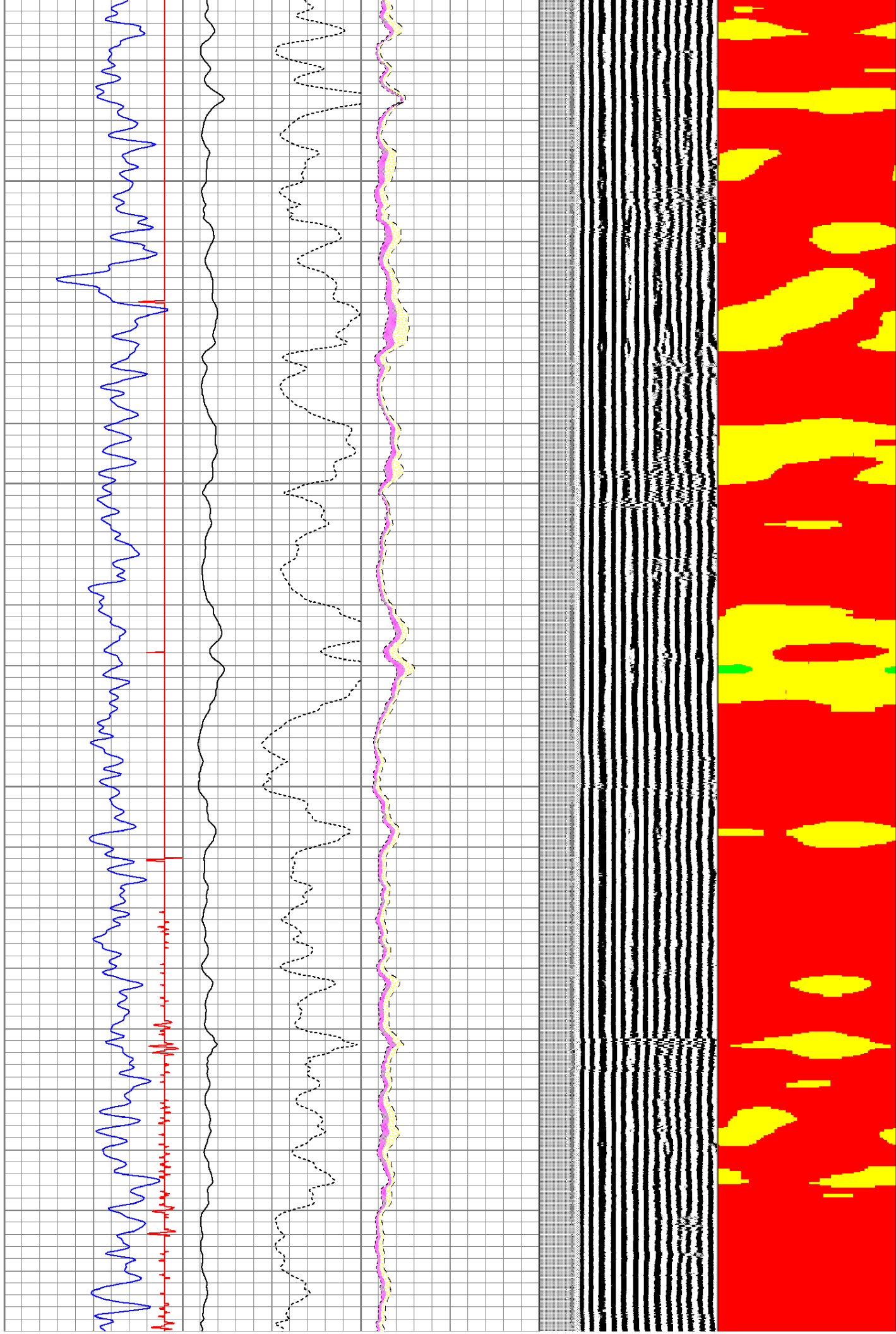
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5900



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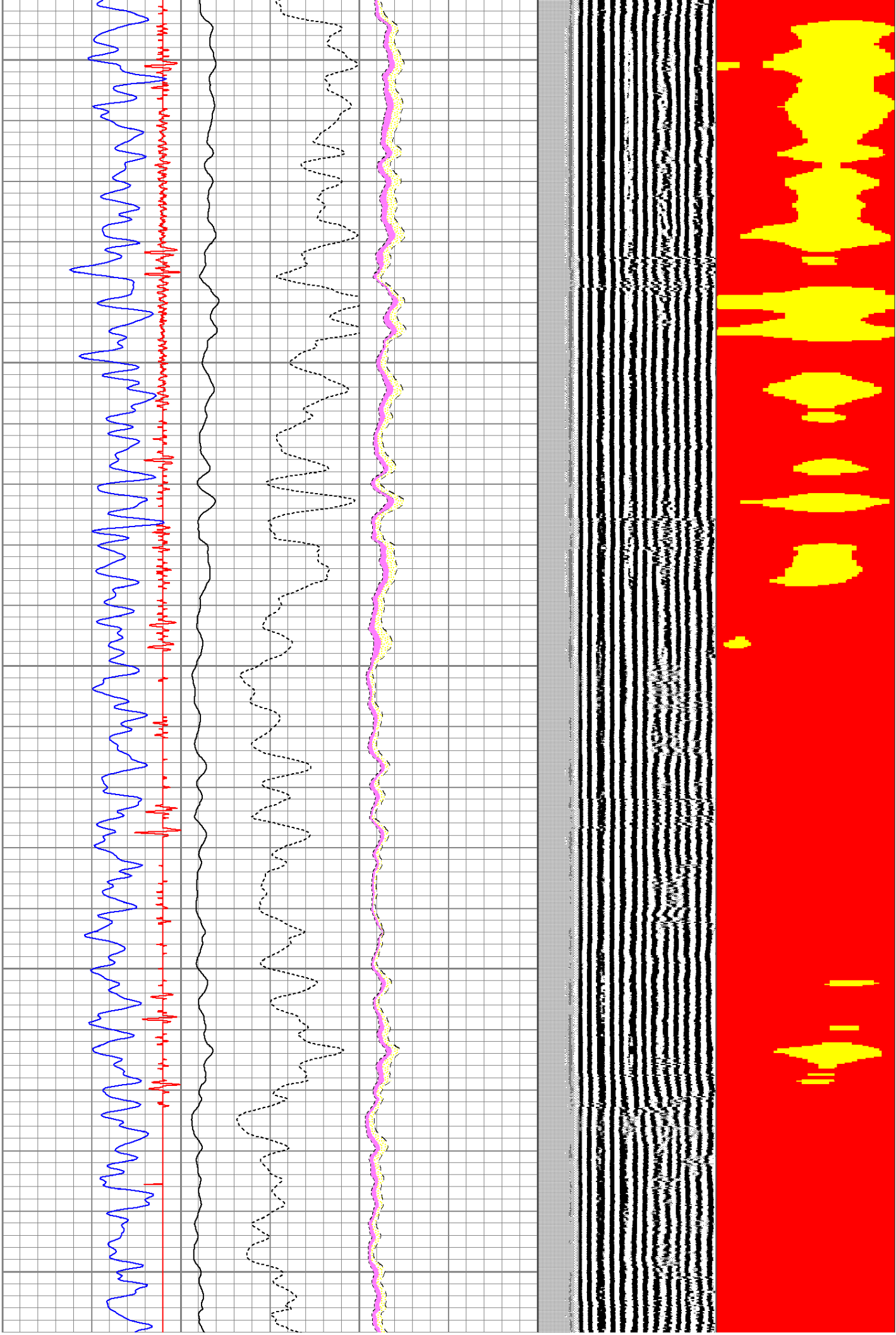
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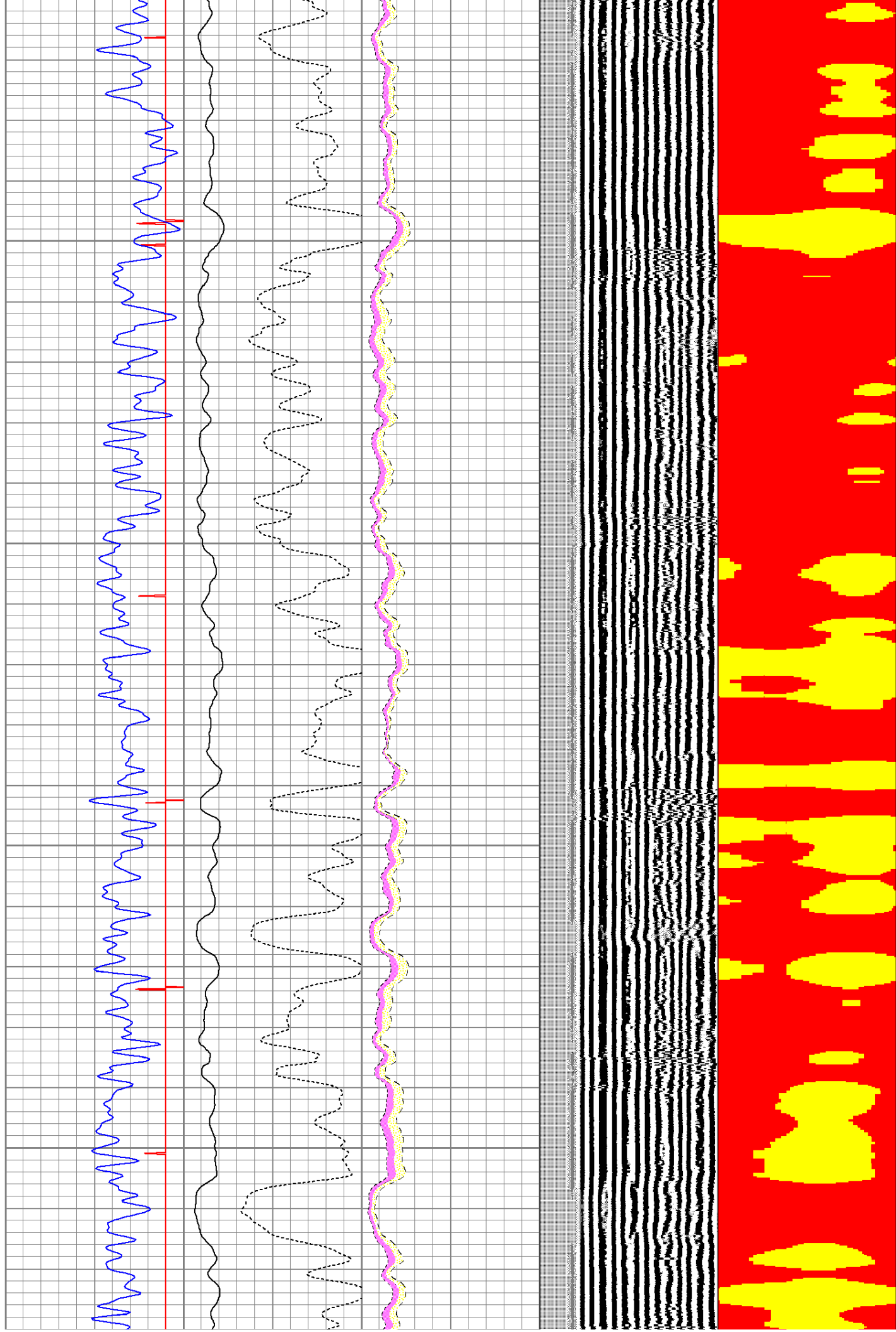
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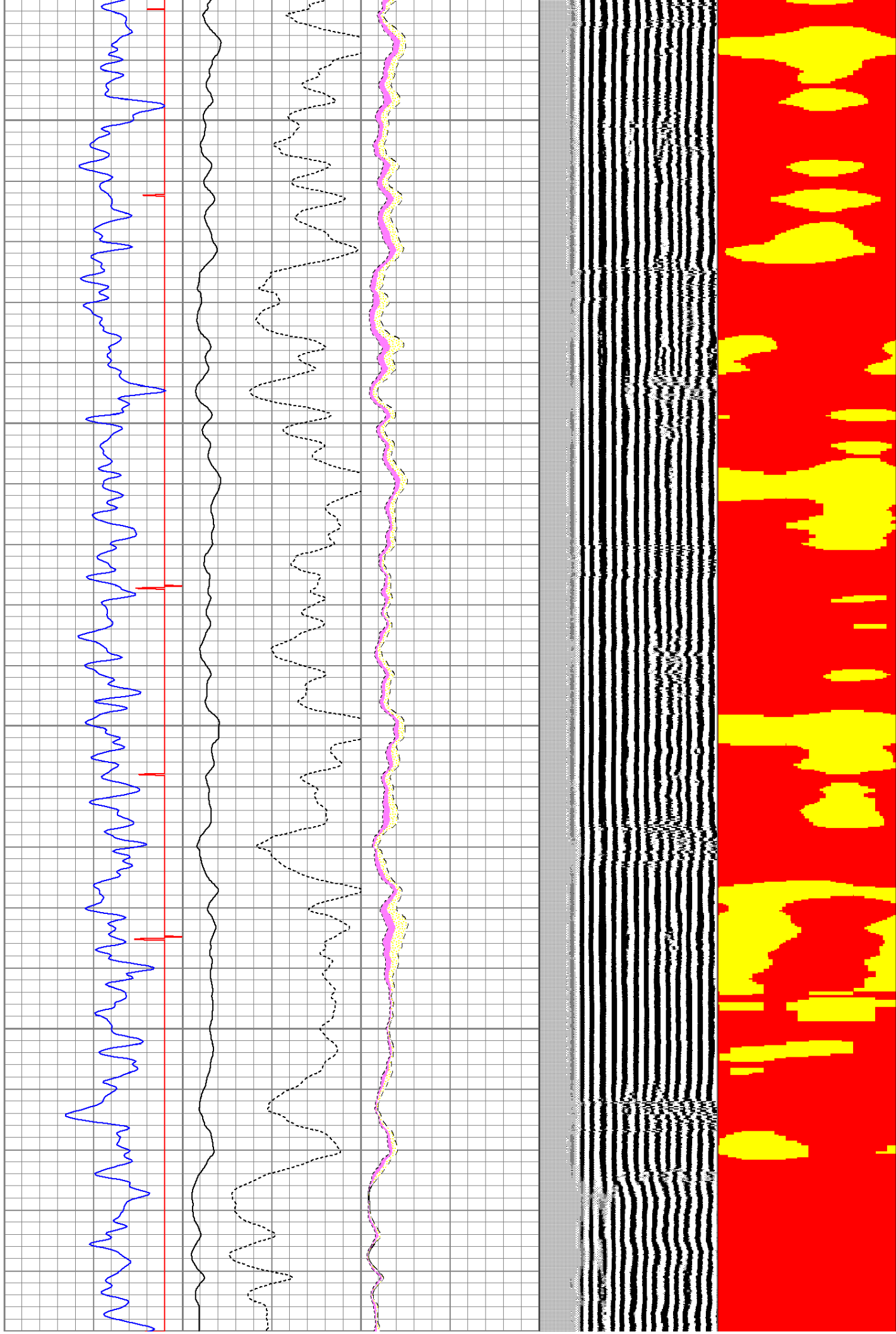
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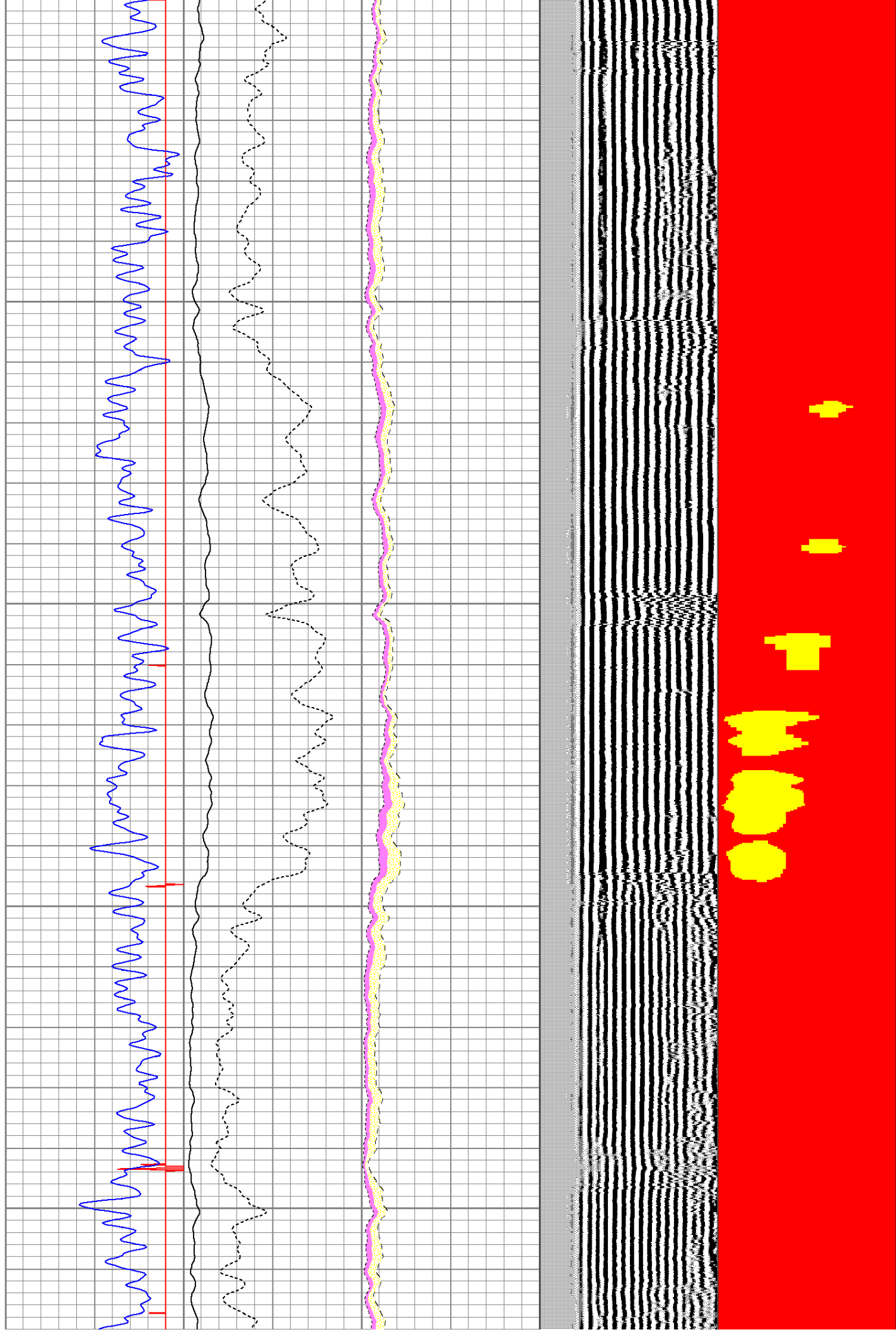
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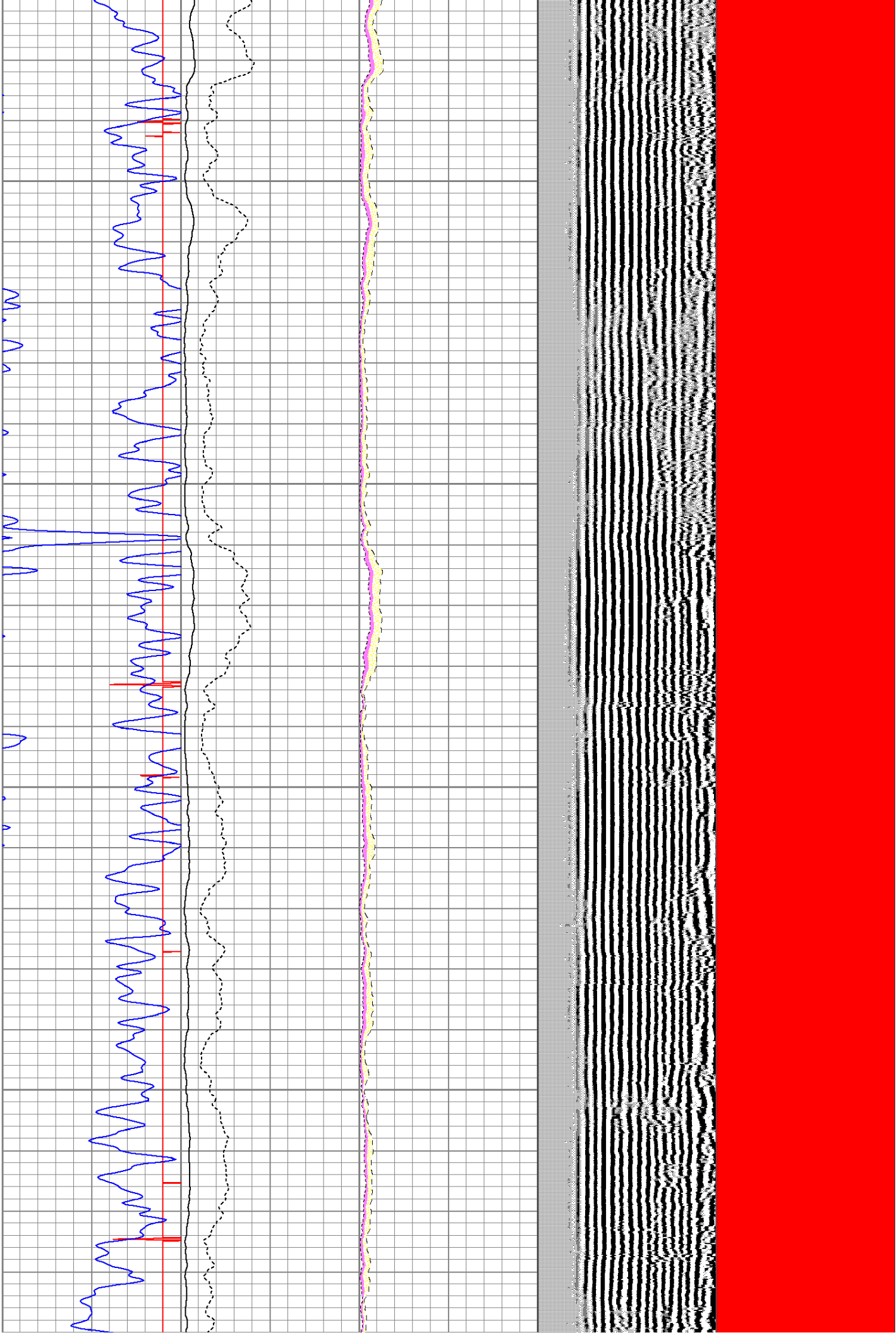
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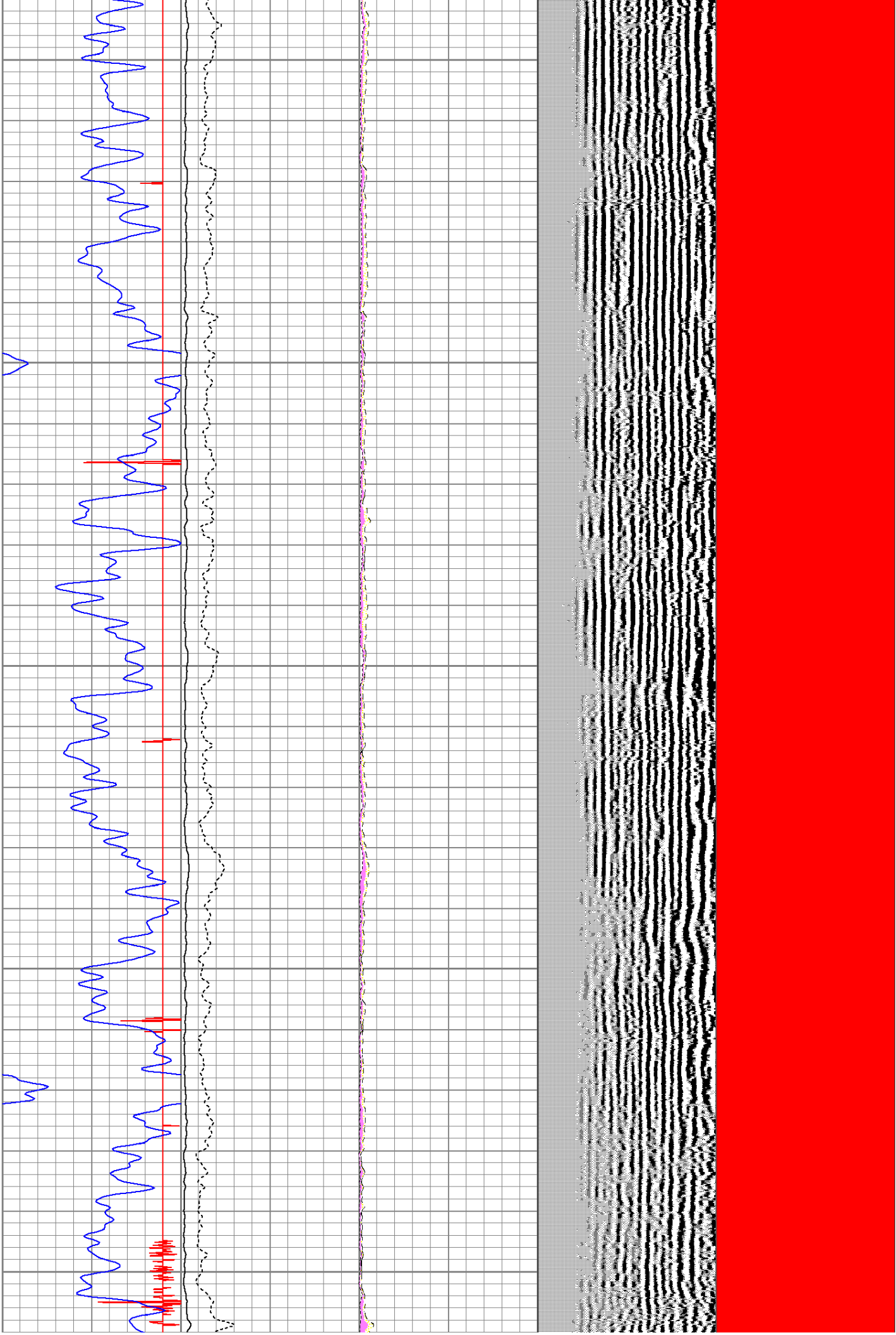




7300

7400

7500





7600

