



GAMMA RAY CCL
CEMENT BOND VDL
SECTOR MAP

Pioneer Energy Services

Company	EnCana Oil & Gas (USA) Inc.	Country	USA
Well	McConahay 4E-34H-P266		
Field	Wattenberg		
County	Weld		
State	Colorado		
Location:	API # : 05123389420000	Other Services	None
Permanent Datum	GL	Elevation	5077
Log Measured From	KB		
Drilling Measured From	KB		
SEC	34	TWP	2N
RGE	66W		

Date	March 18, 2014
Run Number	1
Depth Driller	11975'
Depth Logger	7600'
Bottom Logged Interval	7600'
Top Log Interval	0
Open Hole Size	8-3/4"
Type Fluid	Drilling Mud
Density / Viscosity	10.9 / 40
Max. Recorded Temp.	NA
Estimated Cement Top	560'
Time Well Ready	2250
Time Logger on Bottom	2340
Equipment Number	49
Location	Ft Morgan
Recorded By	Clint Christensen
Witnessed By	Buddy Burke

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size			Wgt/Ft	Top		Bottom
Surface String							
Prot. String							
Production String	7"			26 lbs	0		7814'
Liner							

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All interpretations are opinions based on inferences from electrical or other measurements and Pioneer Wireline Services, LLC cannot and does not guarantee the accuracy or correctness of any interpretation, and Pioneer Wireline Services, LLC will not 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.

Comments

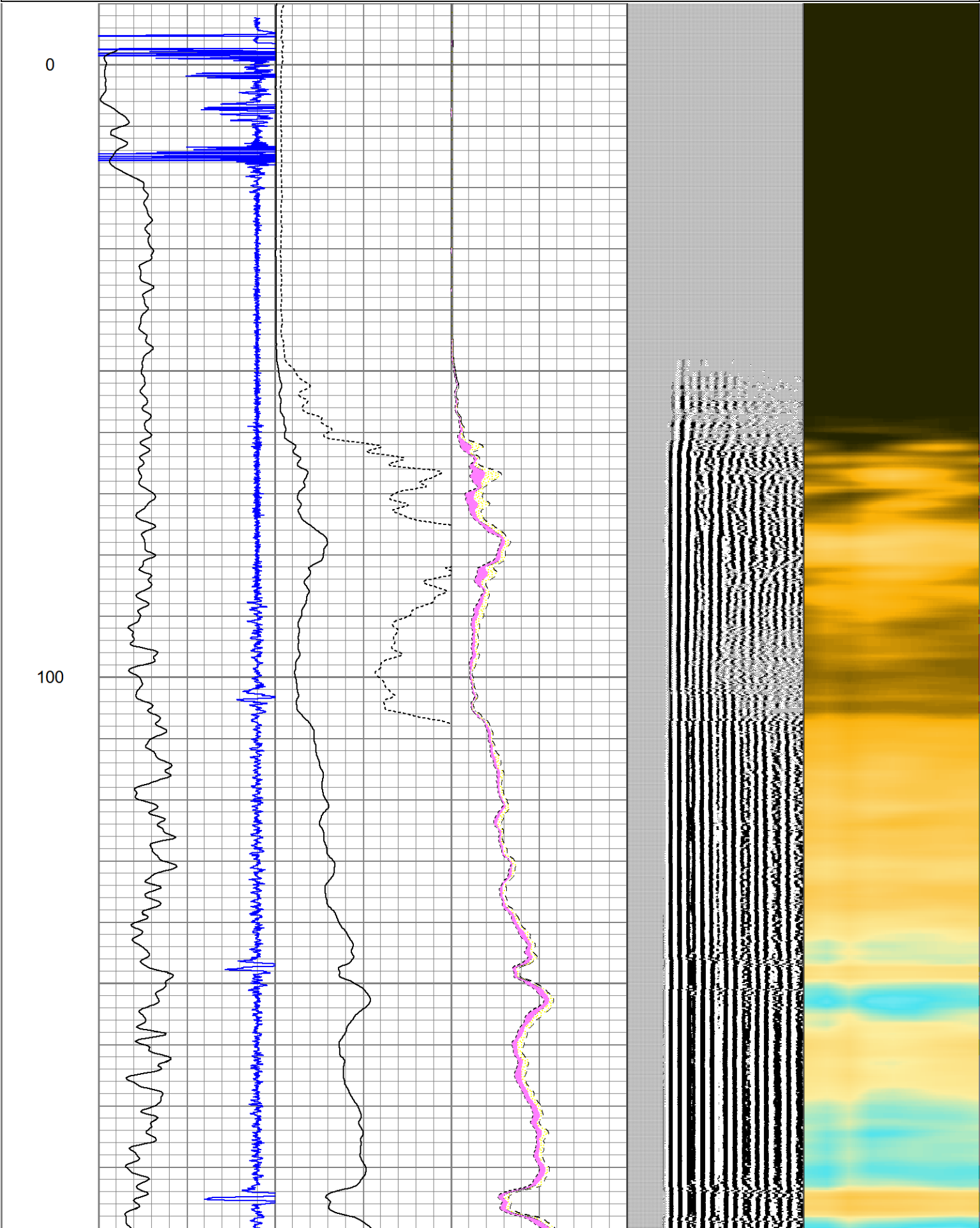
Thank You for using Pioneer Energy Services
Ensign Drilling Rig 124

Tied into Casing Tally @ 7589.7'

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			CENT #2 -A (1)	2.83	2.75	20.00

Tool Name	Depth (ft)	Tool Description	Length (ft)	Weight (lb)	O.D. (in)
IntTemp	14.66				
WVFS3FT	11.41				
WVFCAL	11.41				
WVFS1	11.41				
WVFS2	11.41				
WVFS3	11.41				
WVFS4	11.41				
WVFS5	11.41				
WVFS6	11.41				
WVFS7	11.41				
WVFS8	11.41				
WVF5FT	10.41				
		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
		CENT-A (1)	2.83	2.75	20.00
CCL	3.92				
		GR-probe 2.75 (111205) probe Digital CCL Gamma	4.33	2.75	100.00
GR	1.13				
Dataset: 13490.db: field/well/run1/pass1 Total Length: 18.91 ft Total Weight: 230.00 lb O.D. 2.75 in					

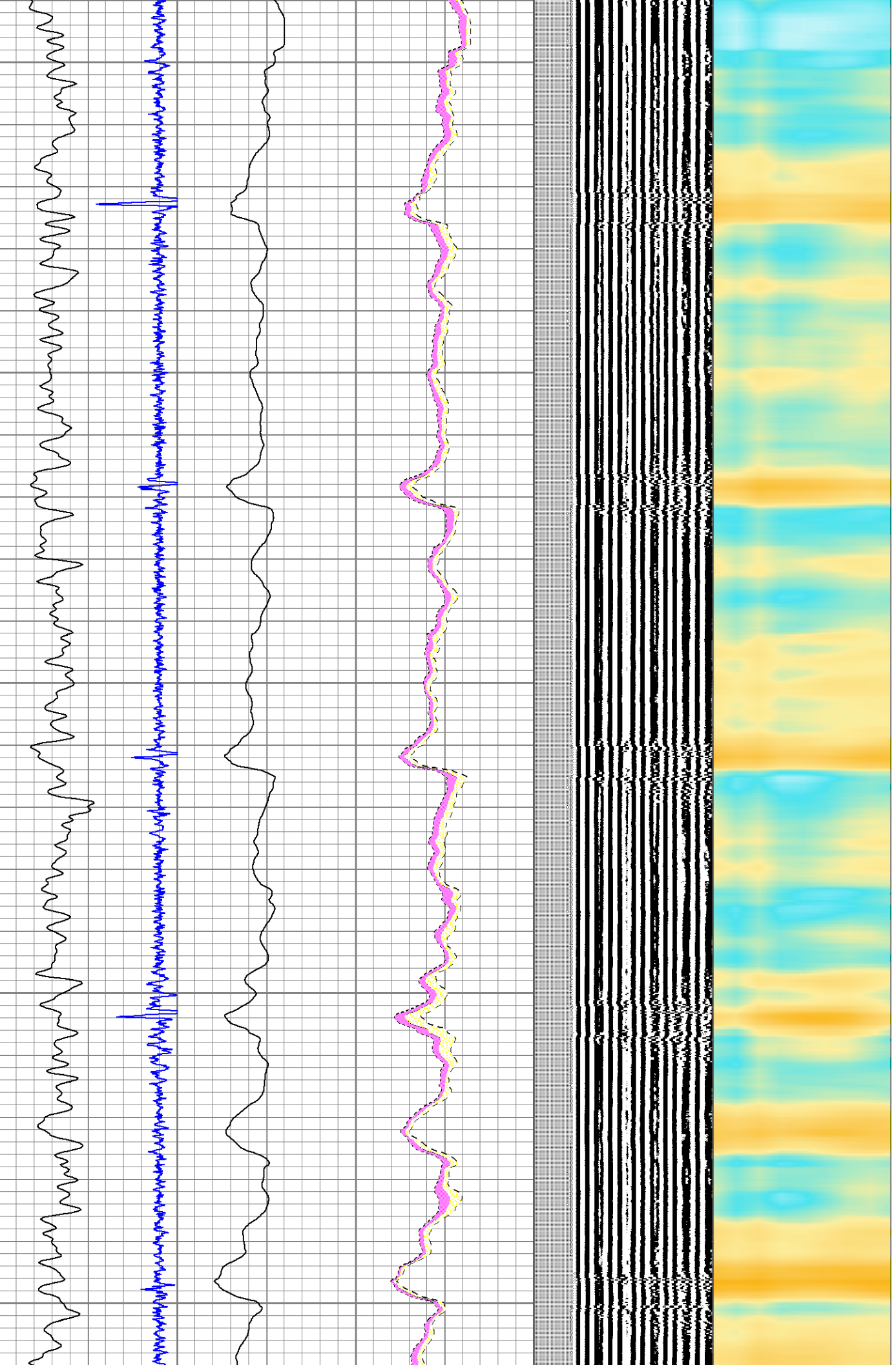
-9	CCL	1	0	AMP (mV)	100	0	AMPAVG	150	200	VDL	1200	1	SECTOR MAP	8
0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPMAX	150				7		122
						0	AMPMIN	150						



200

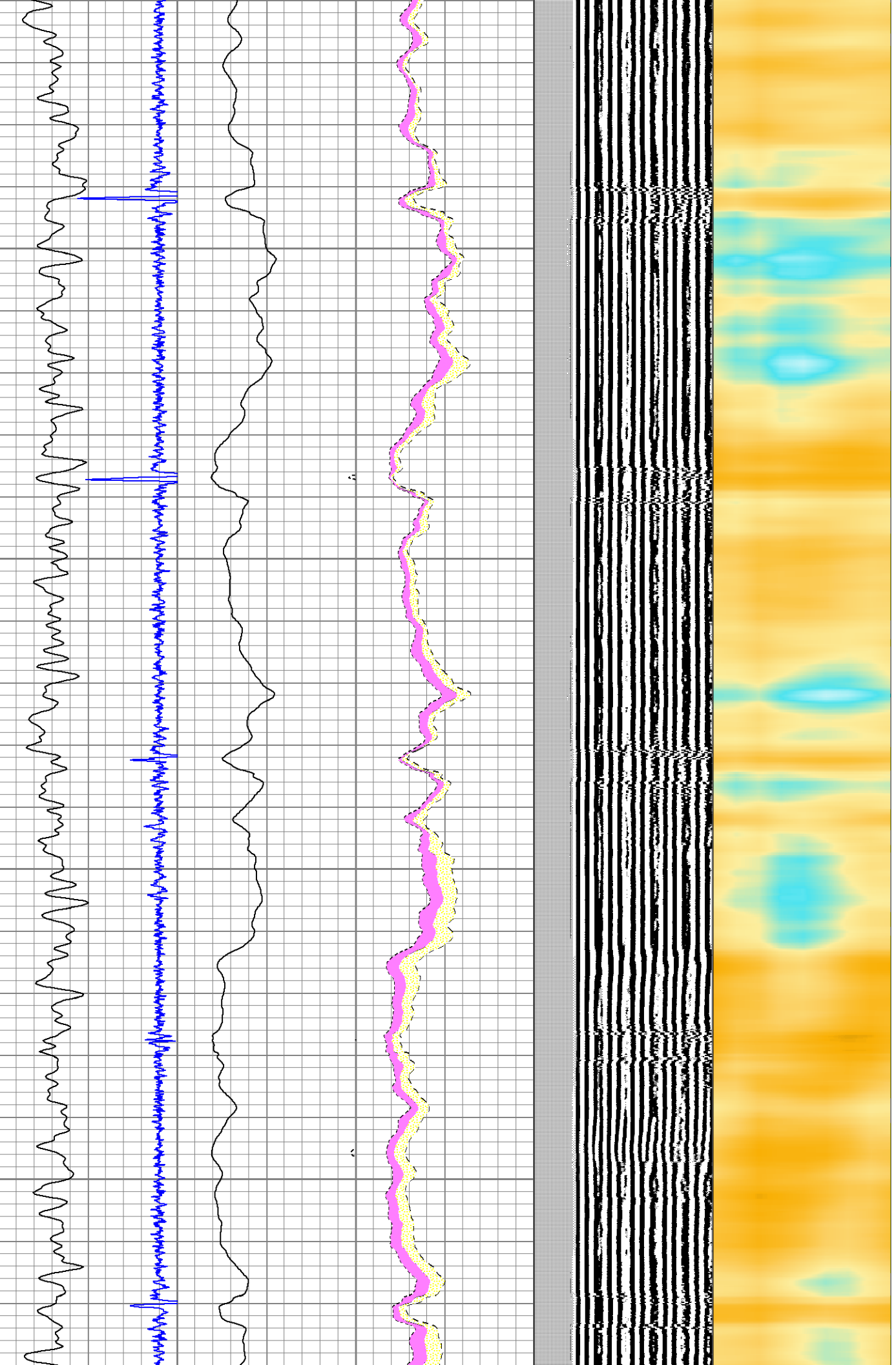
300

400



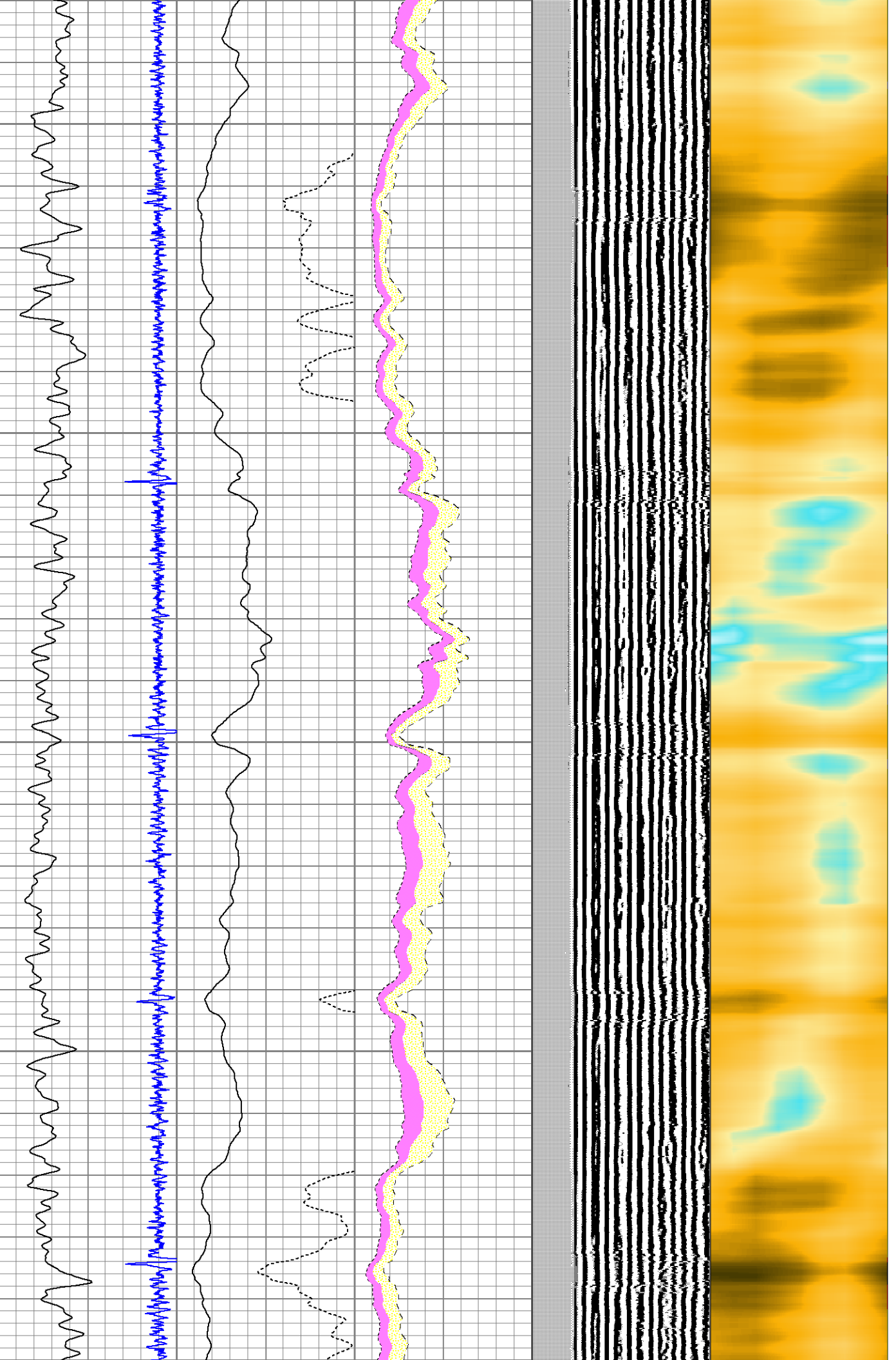
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600



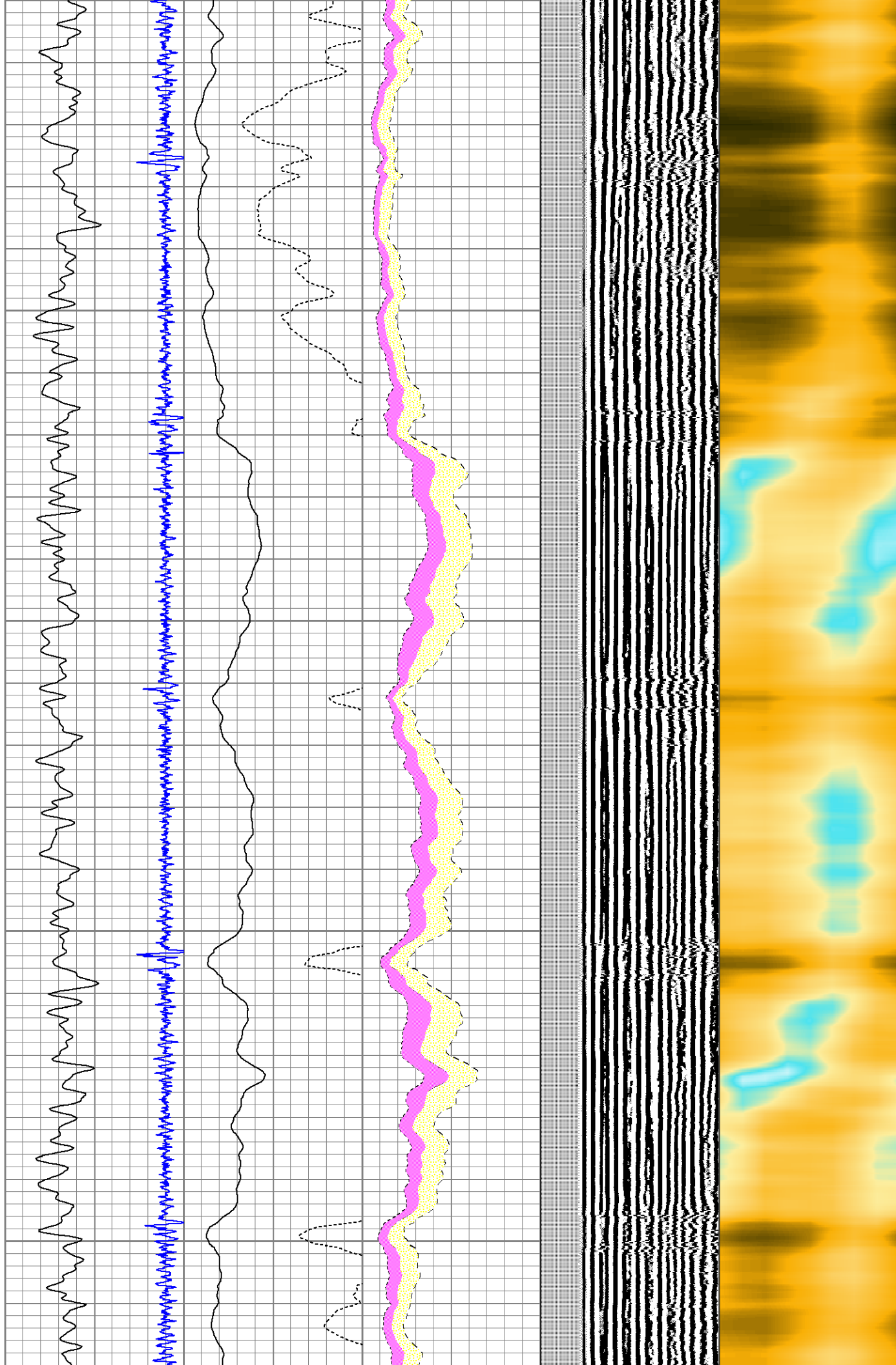
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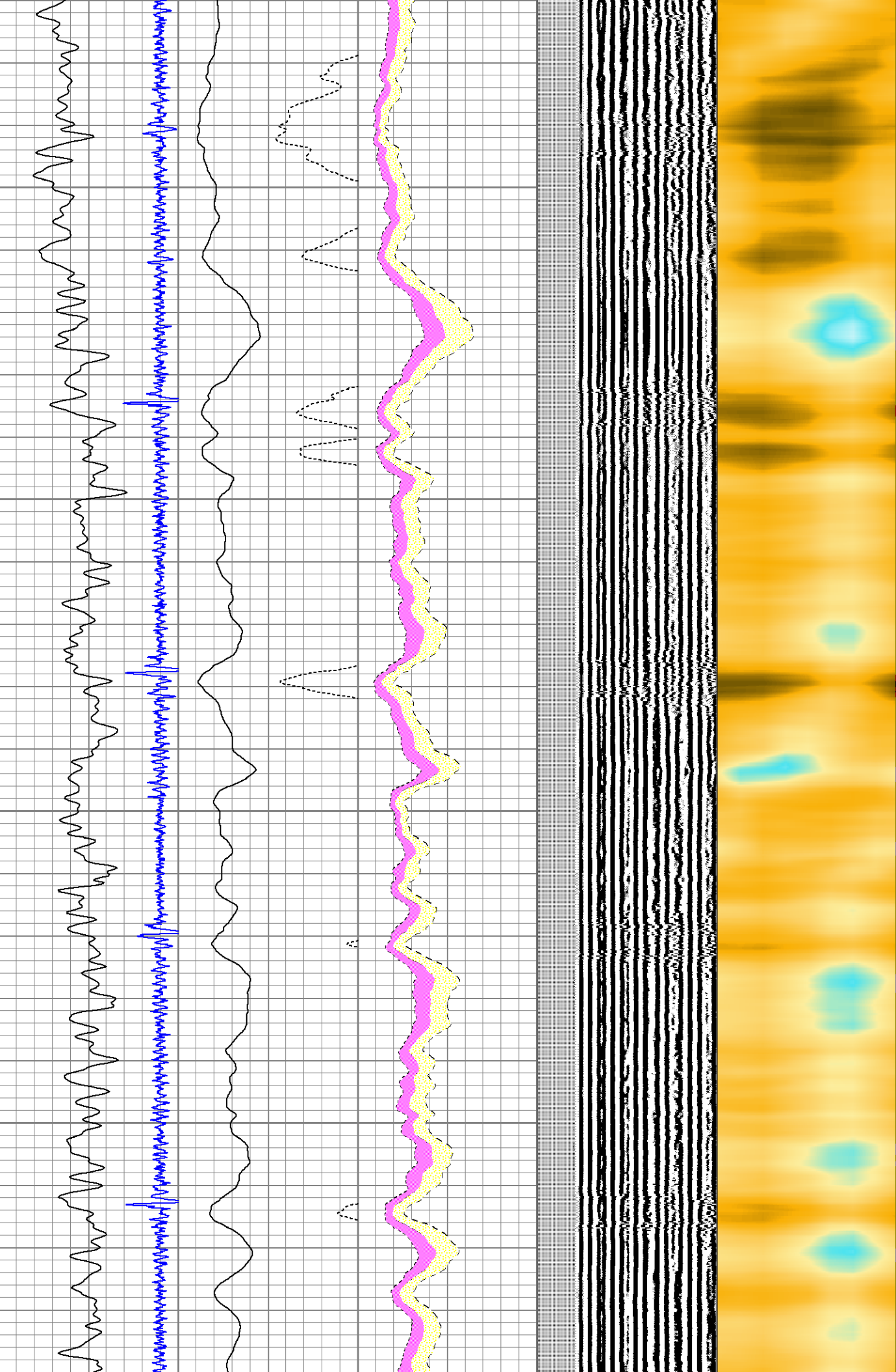
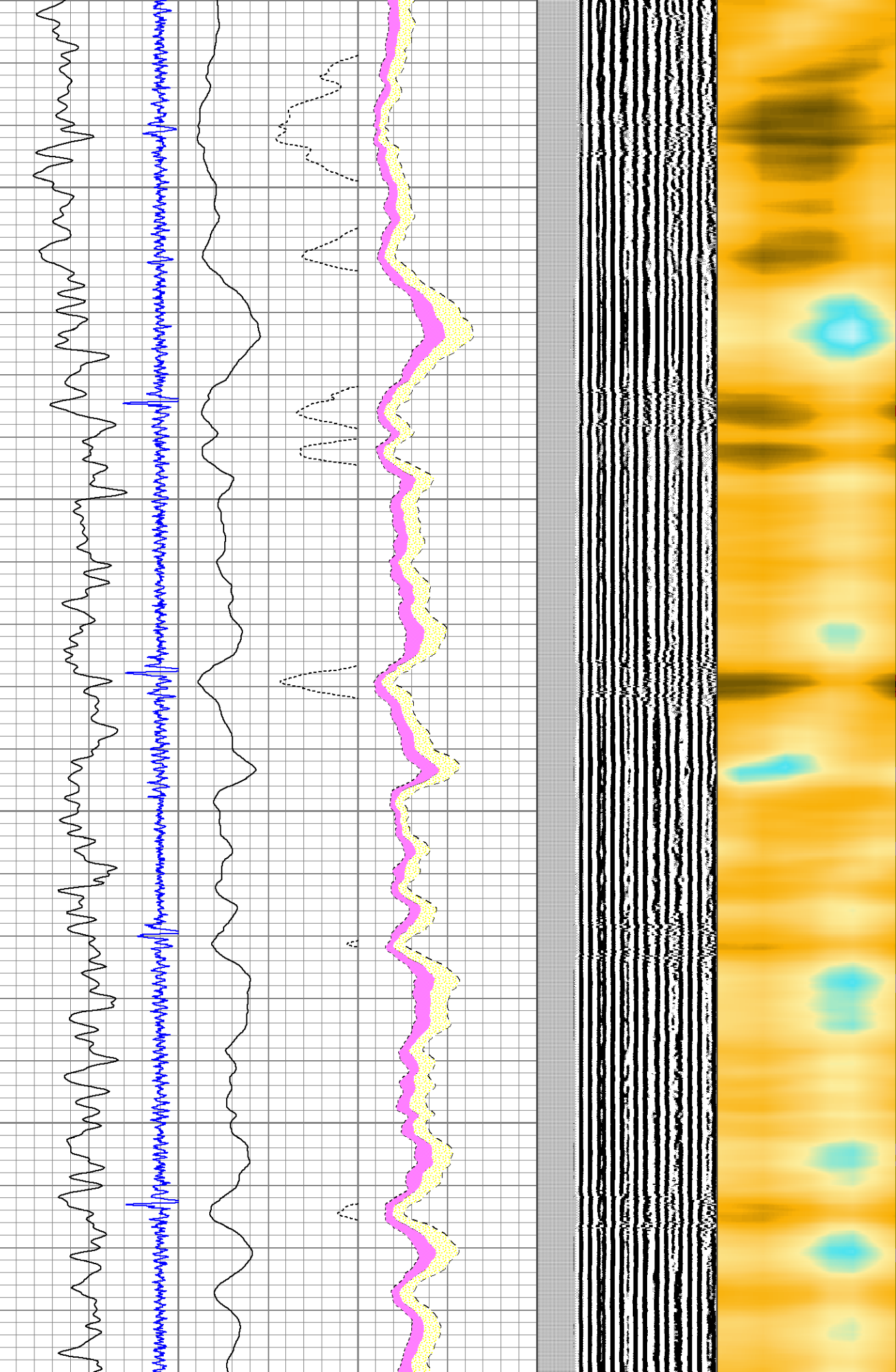
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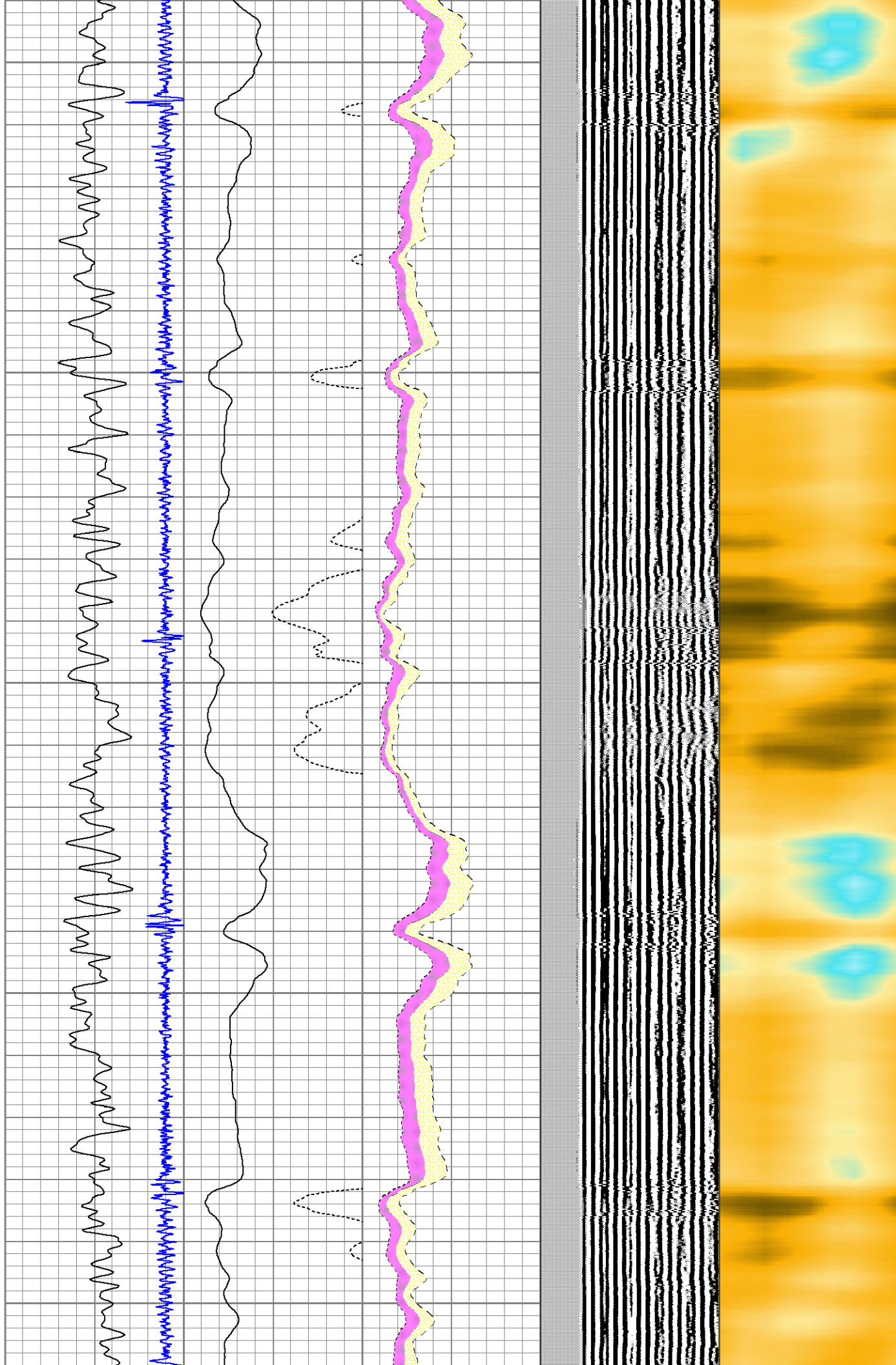


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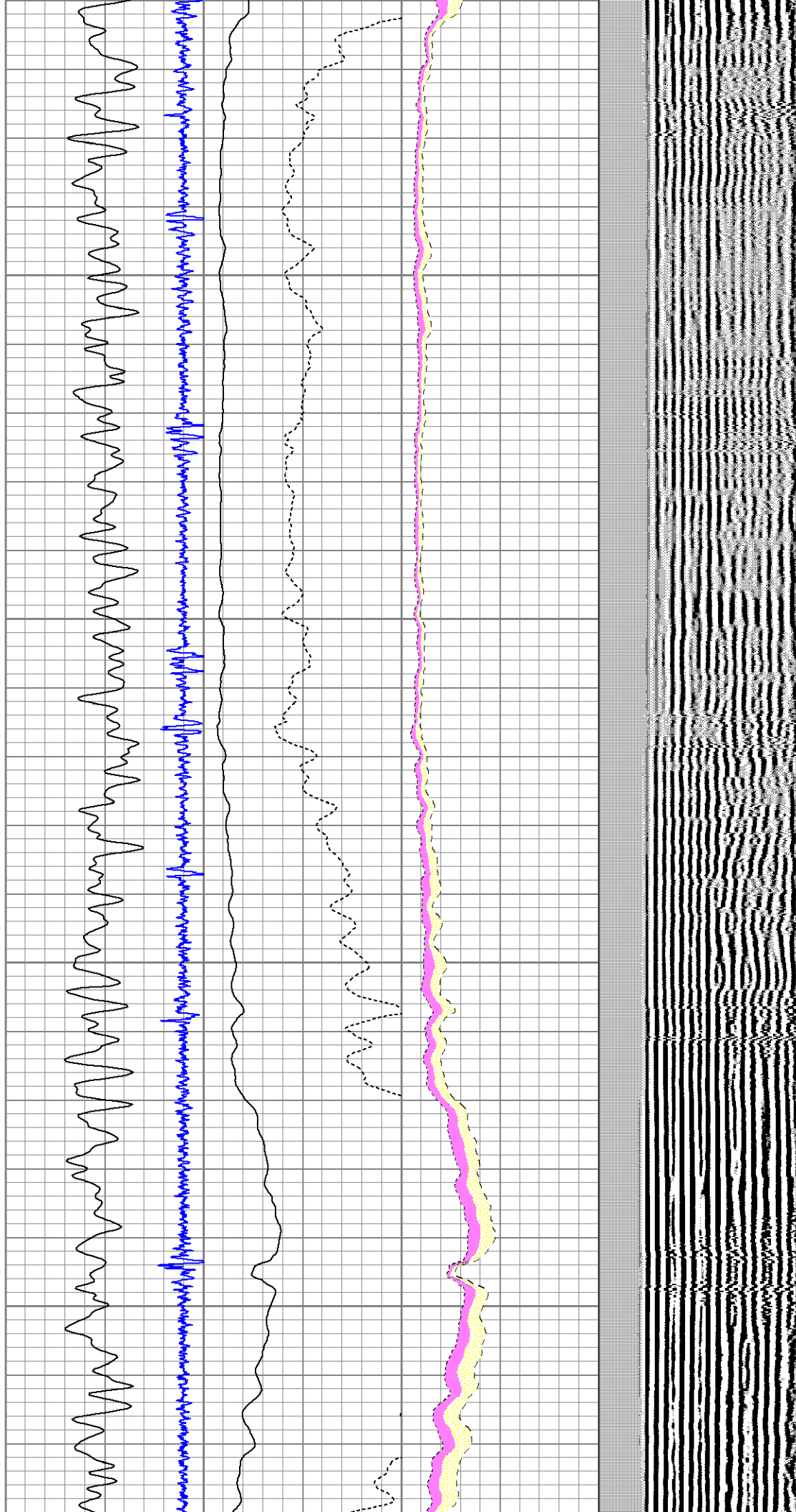






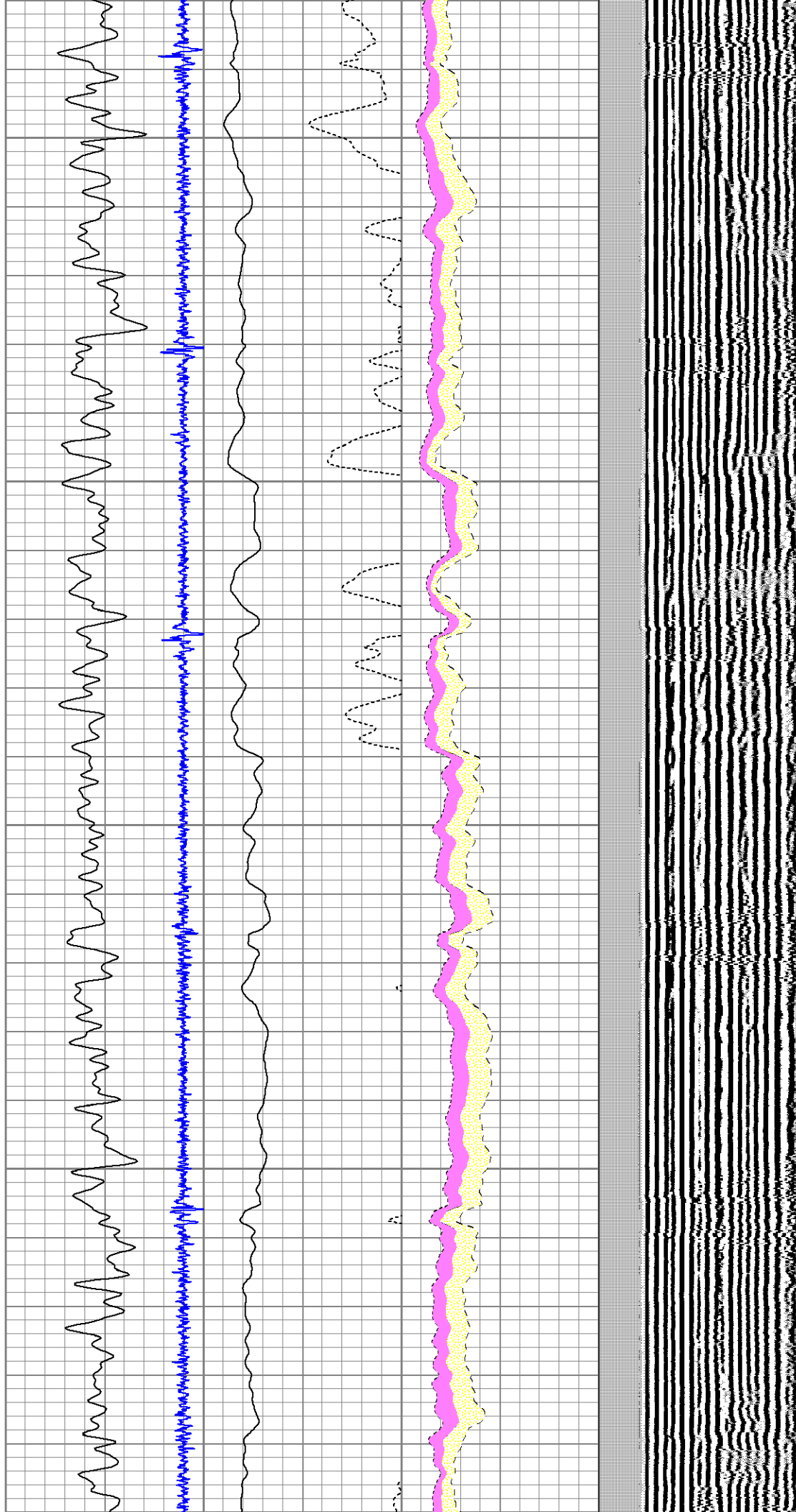
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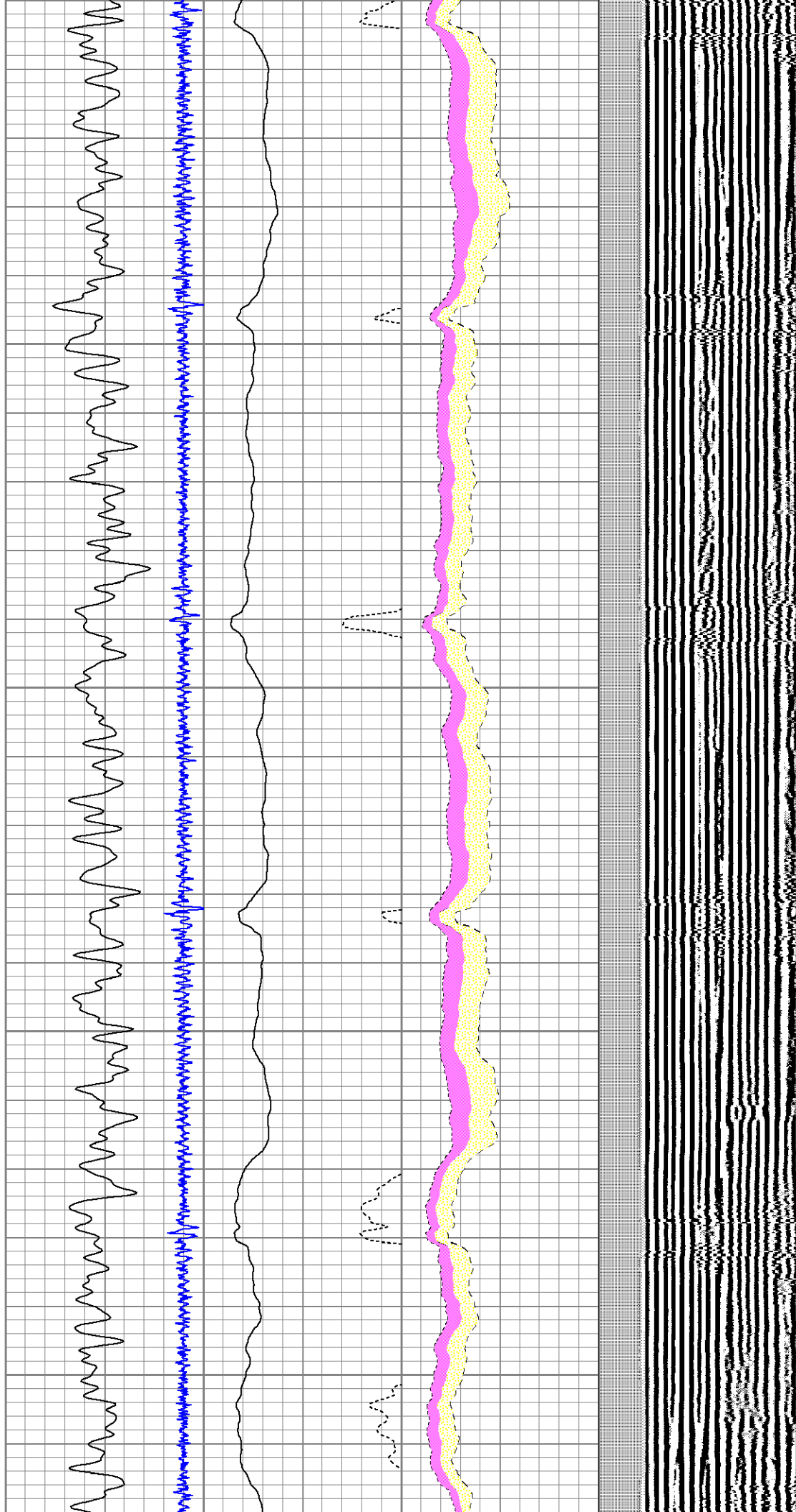
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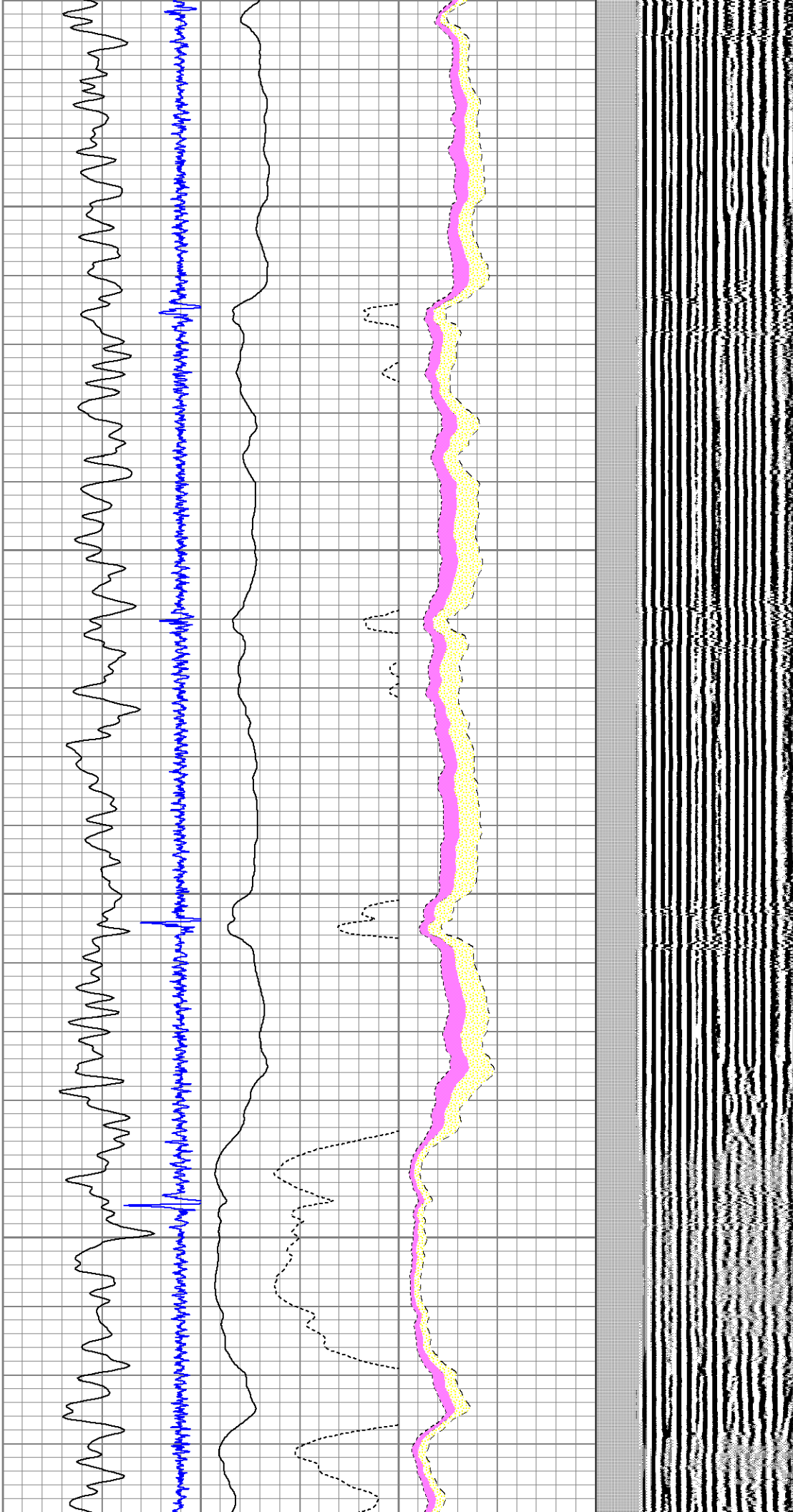
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2200

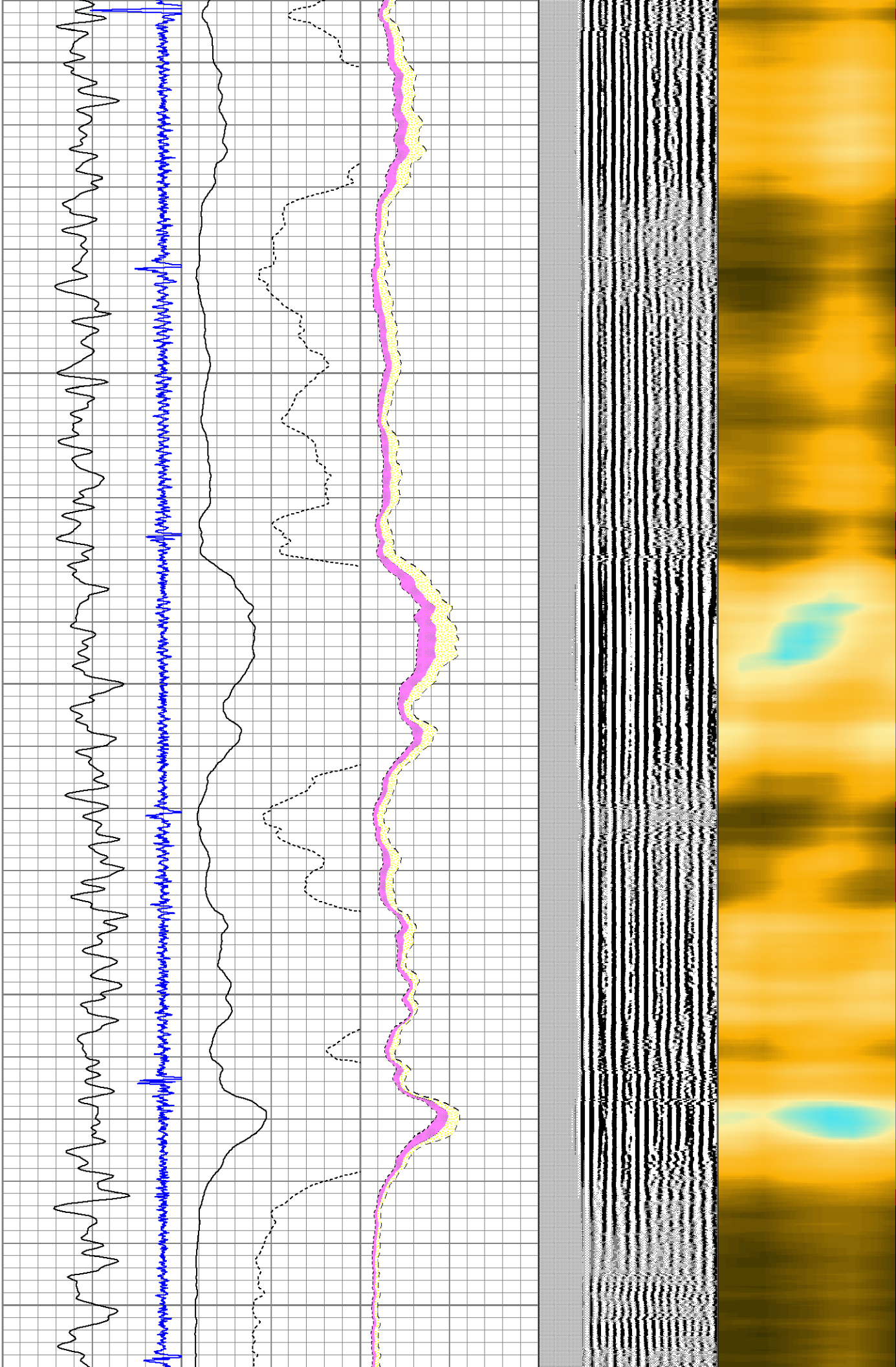
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2400

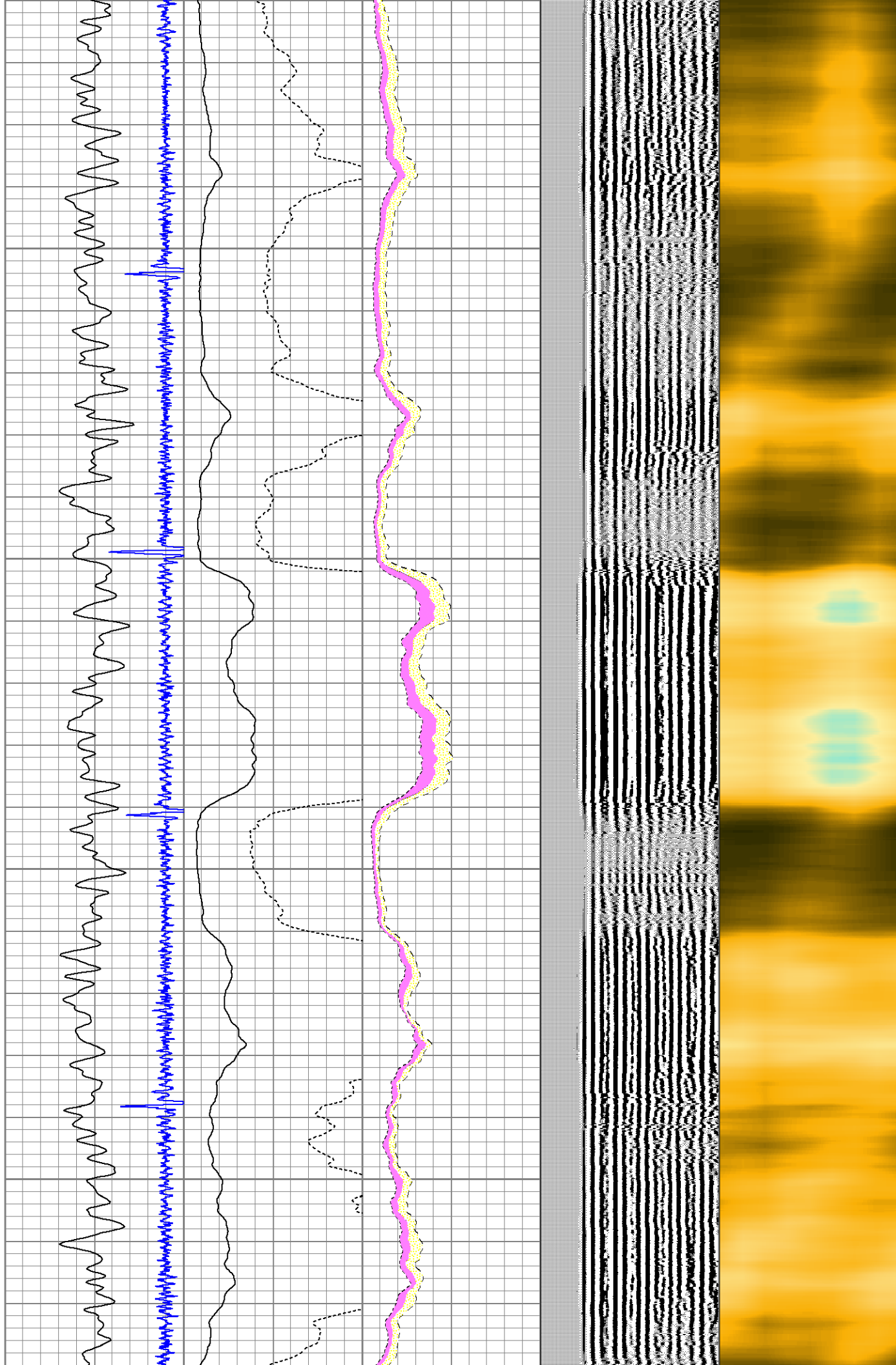
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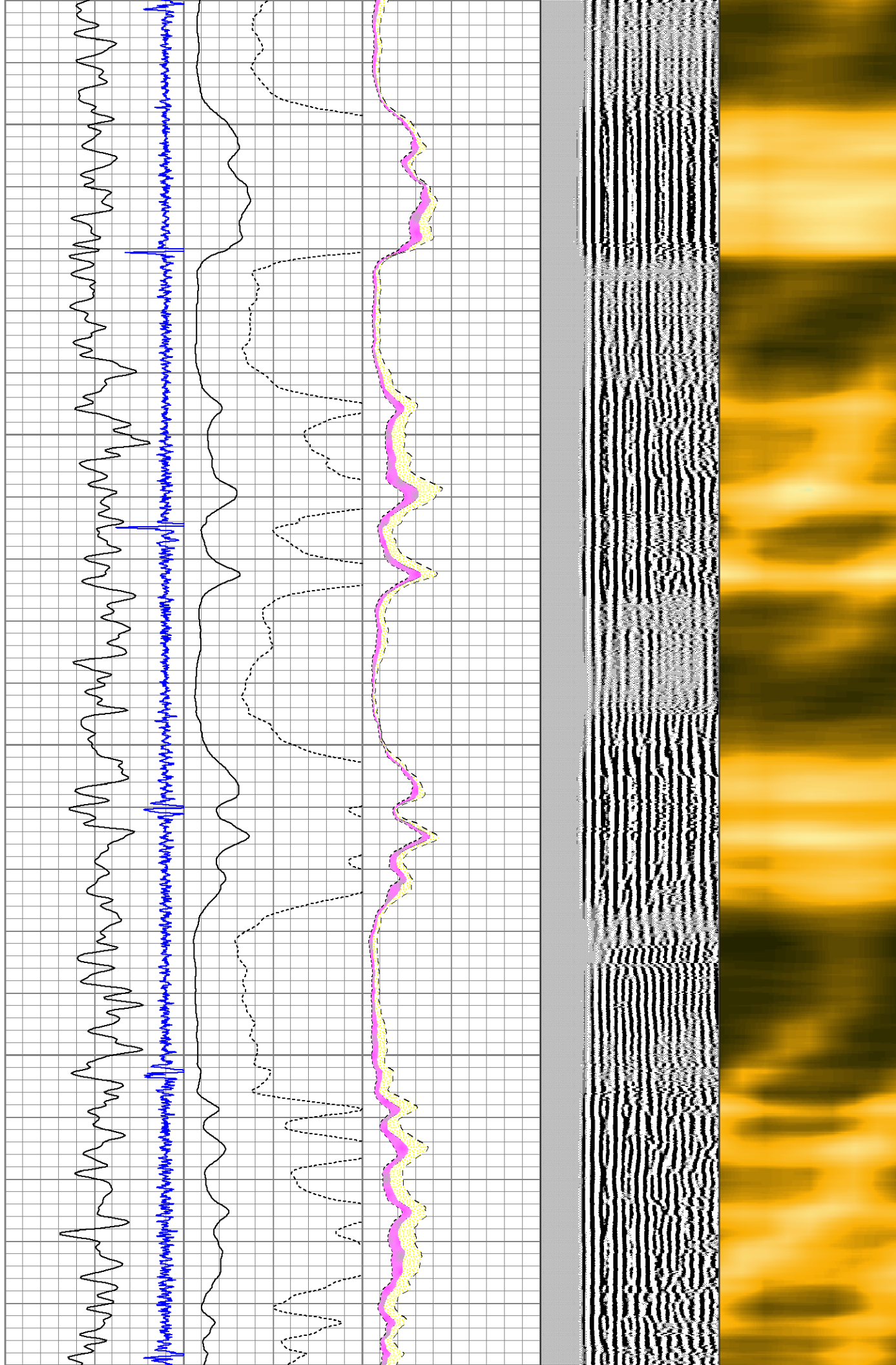
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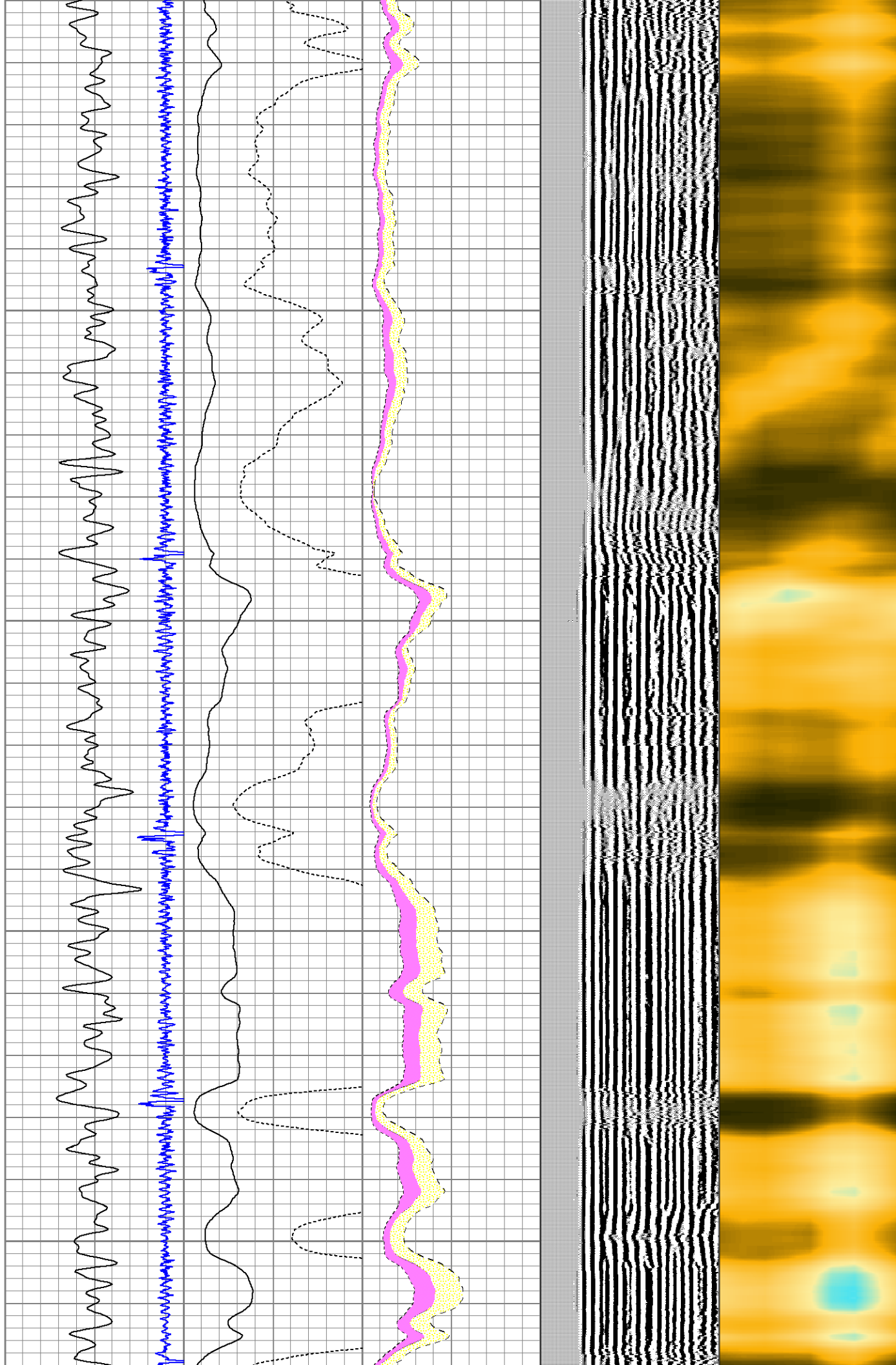
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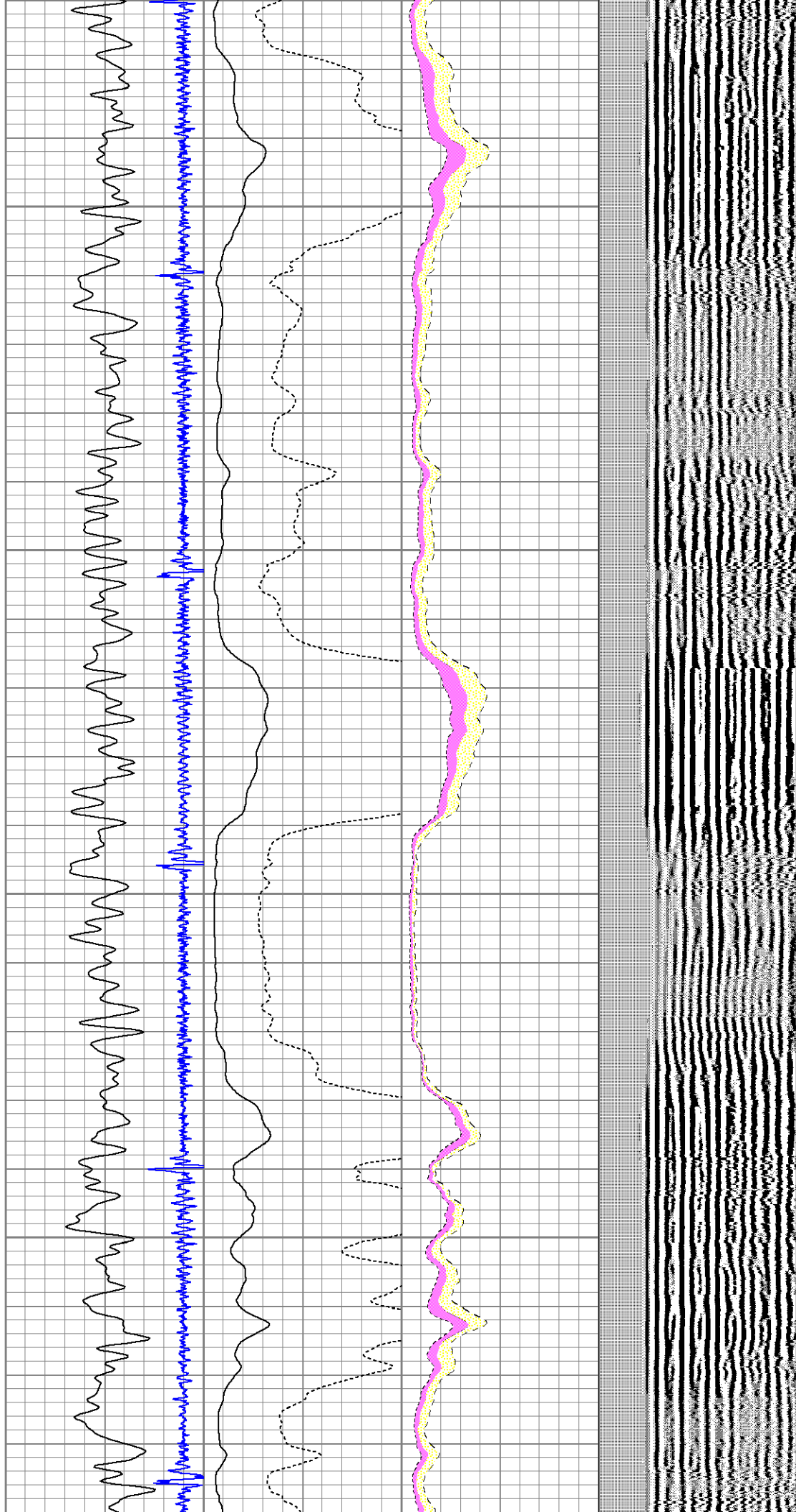
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3300

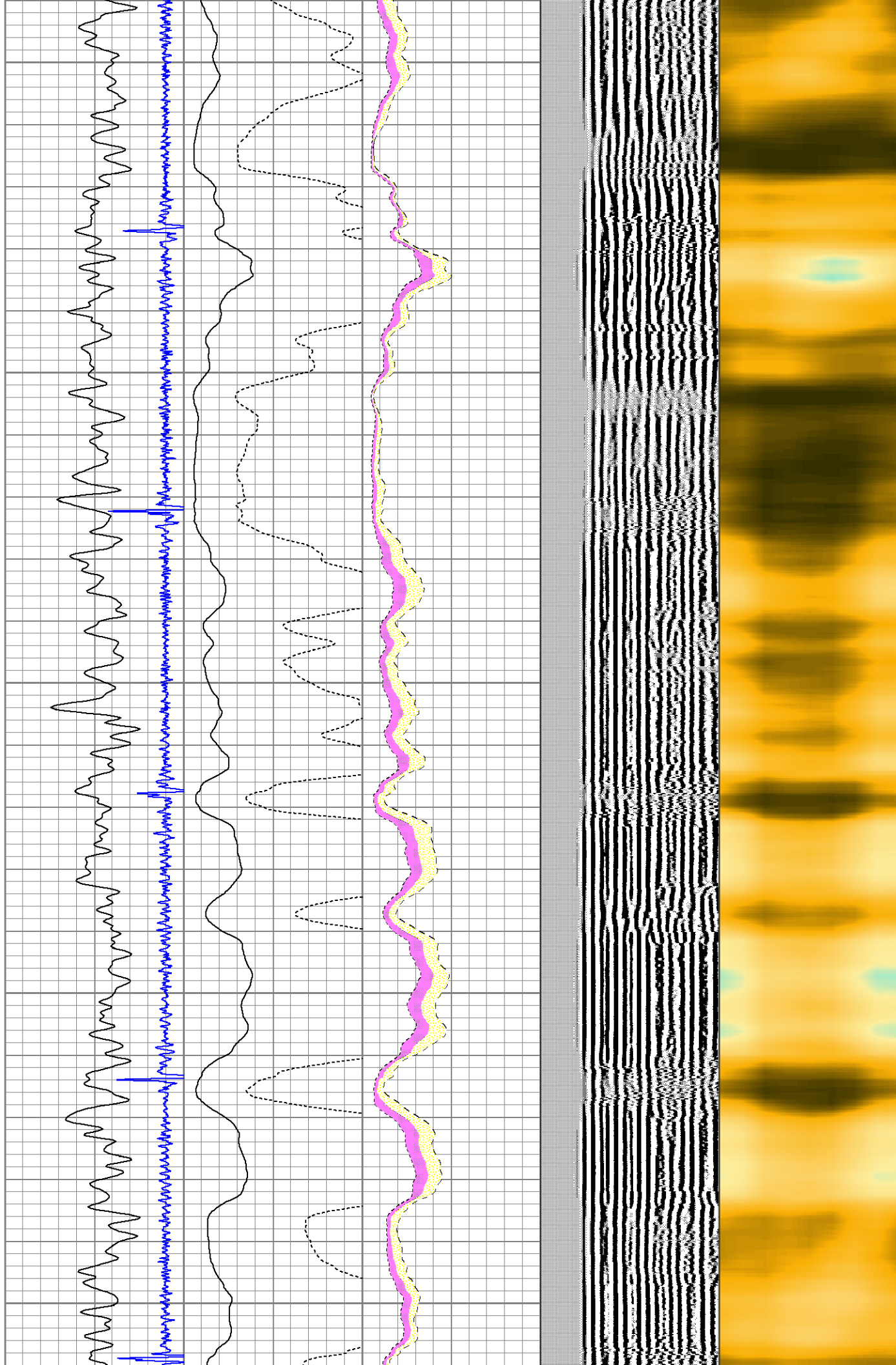
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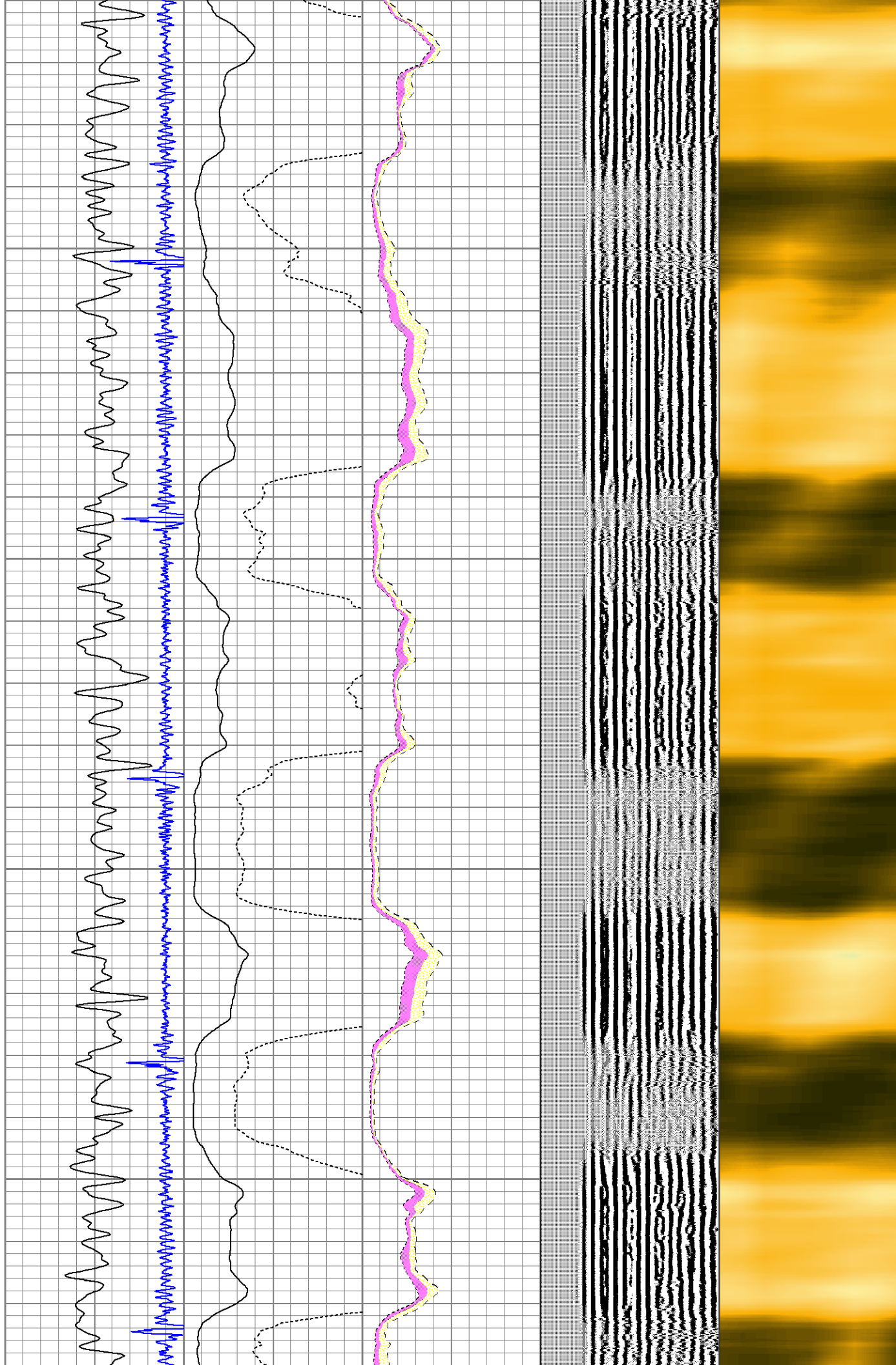
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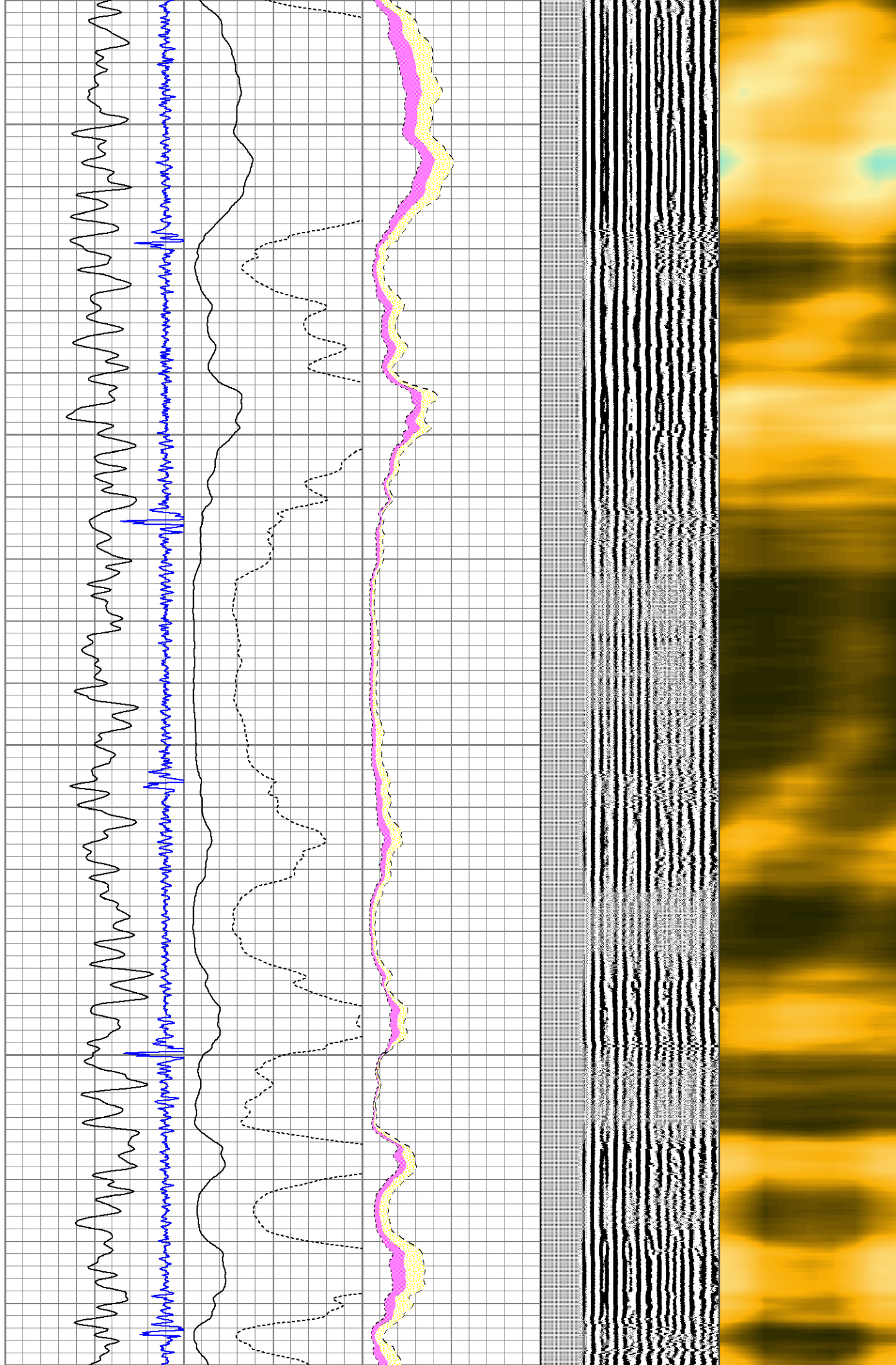
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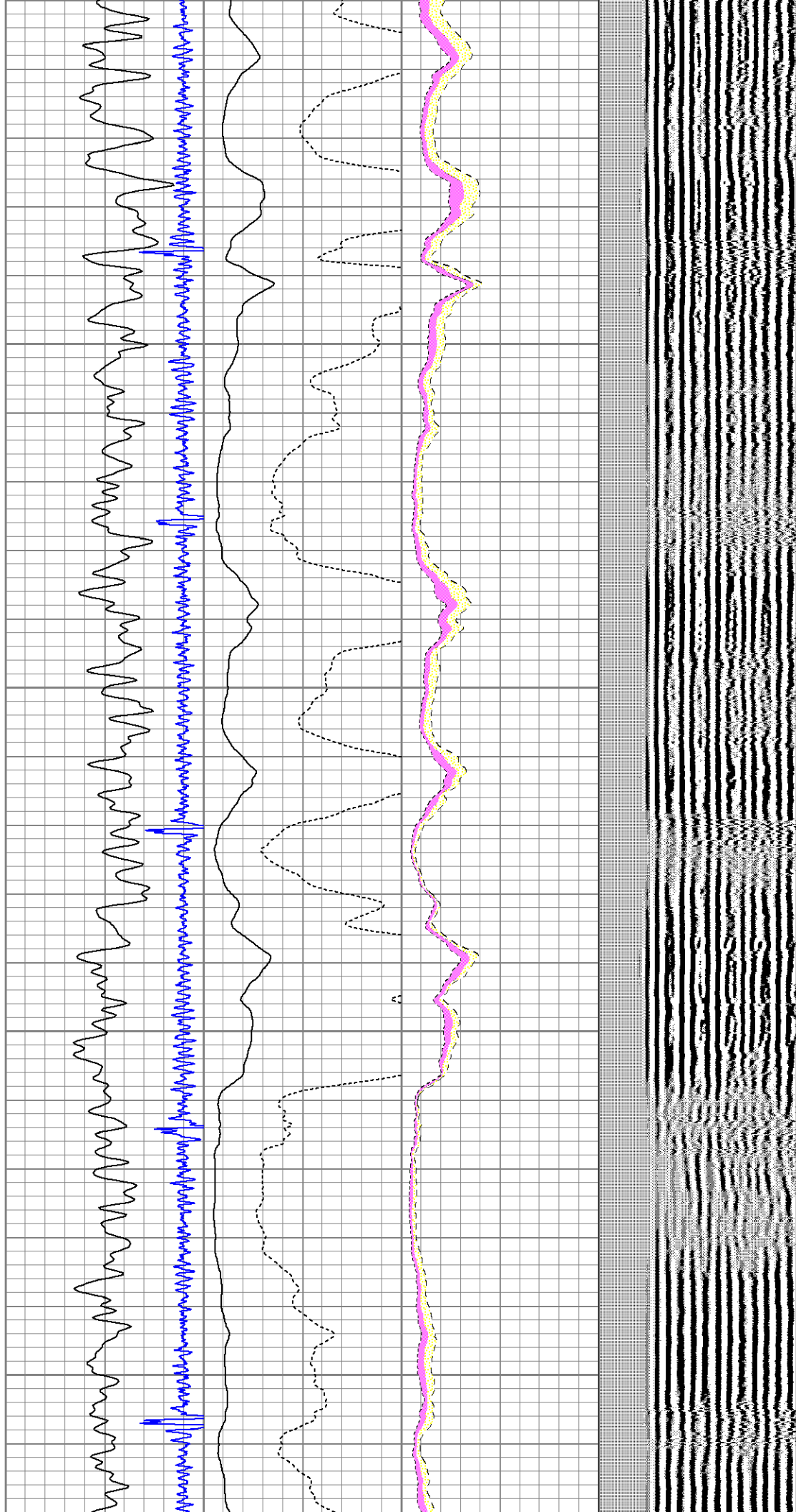
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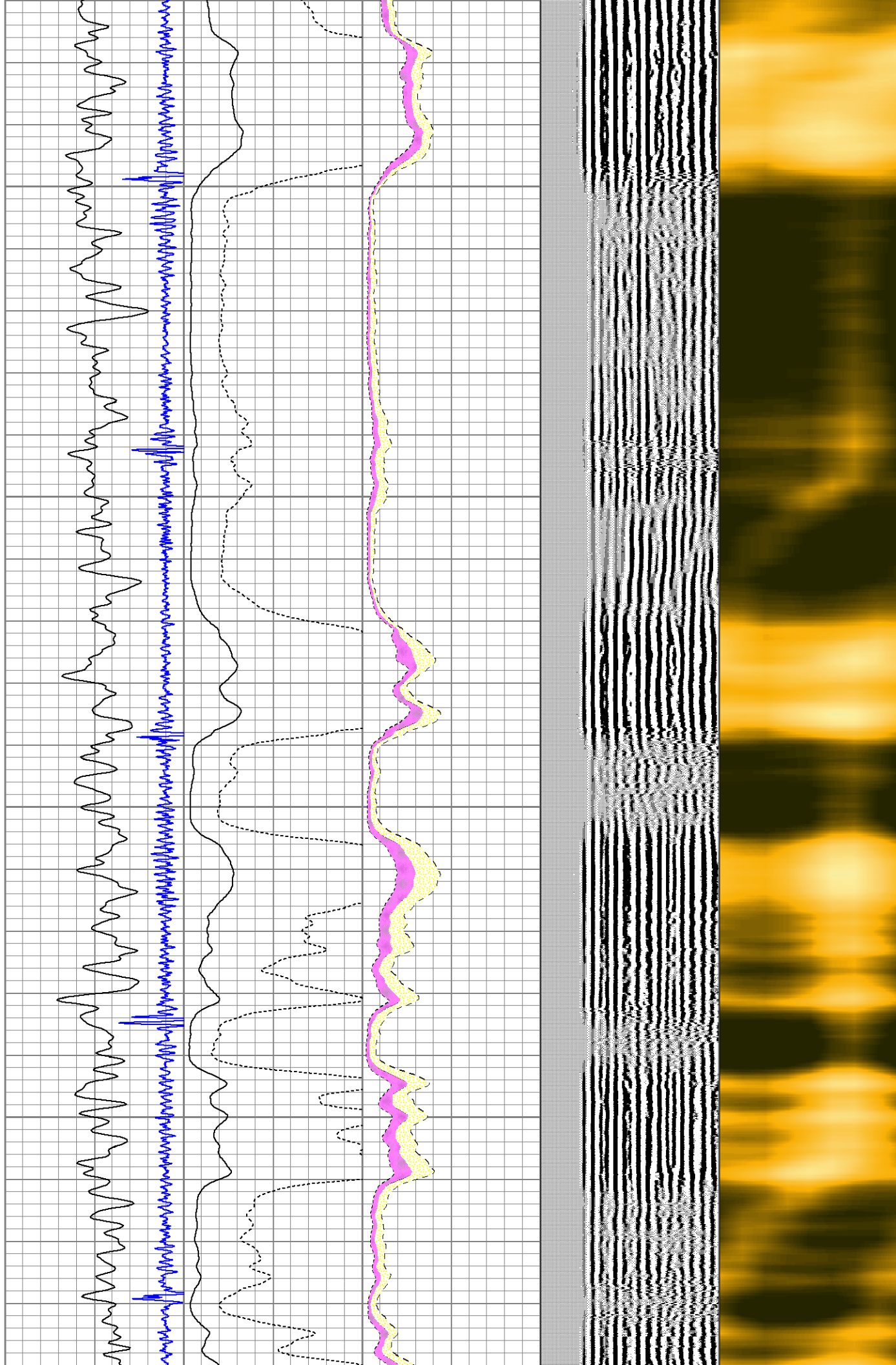
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4300



4400

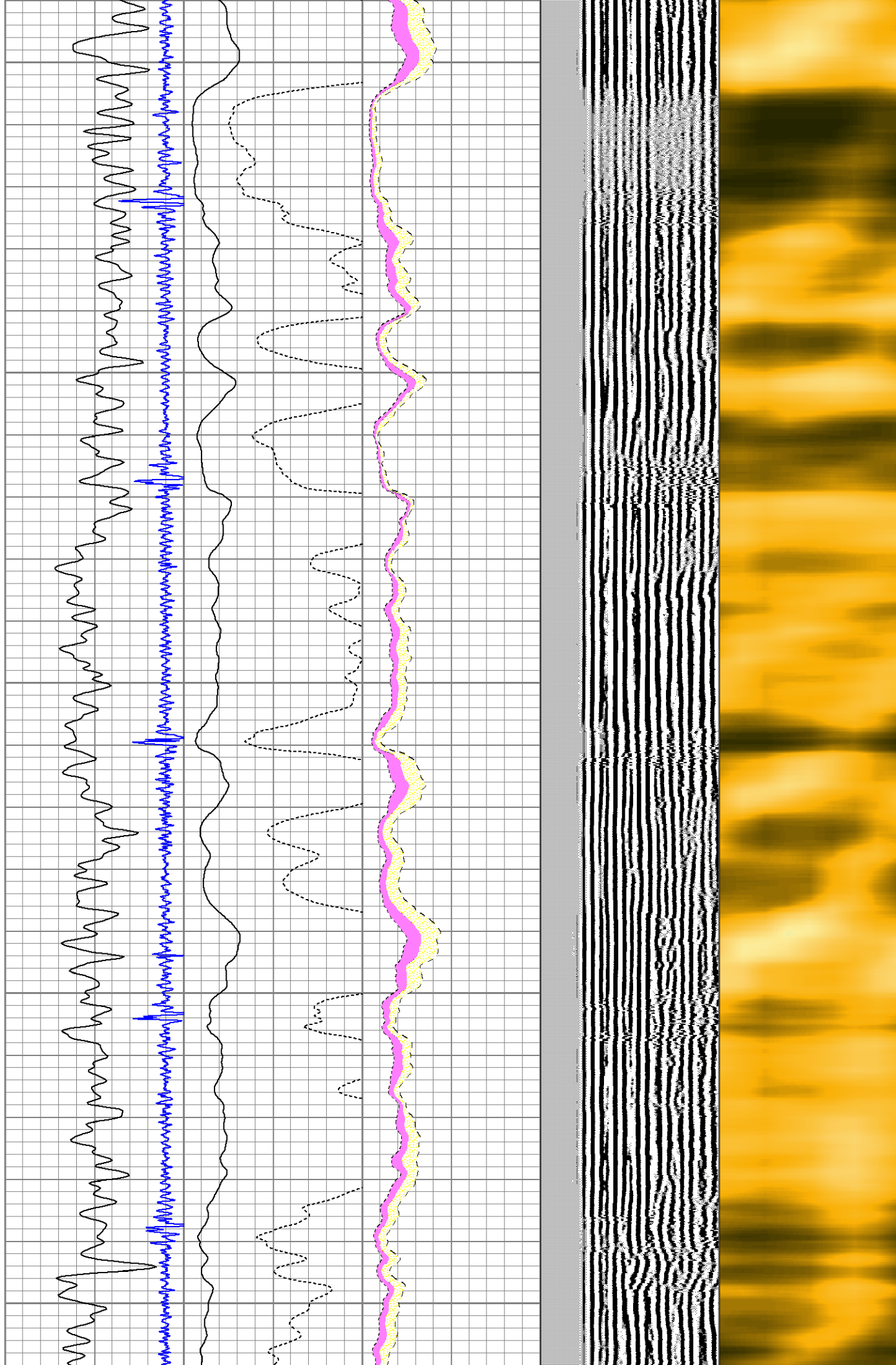
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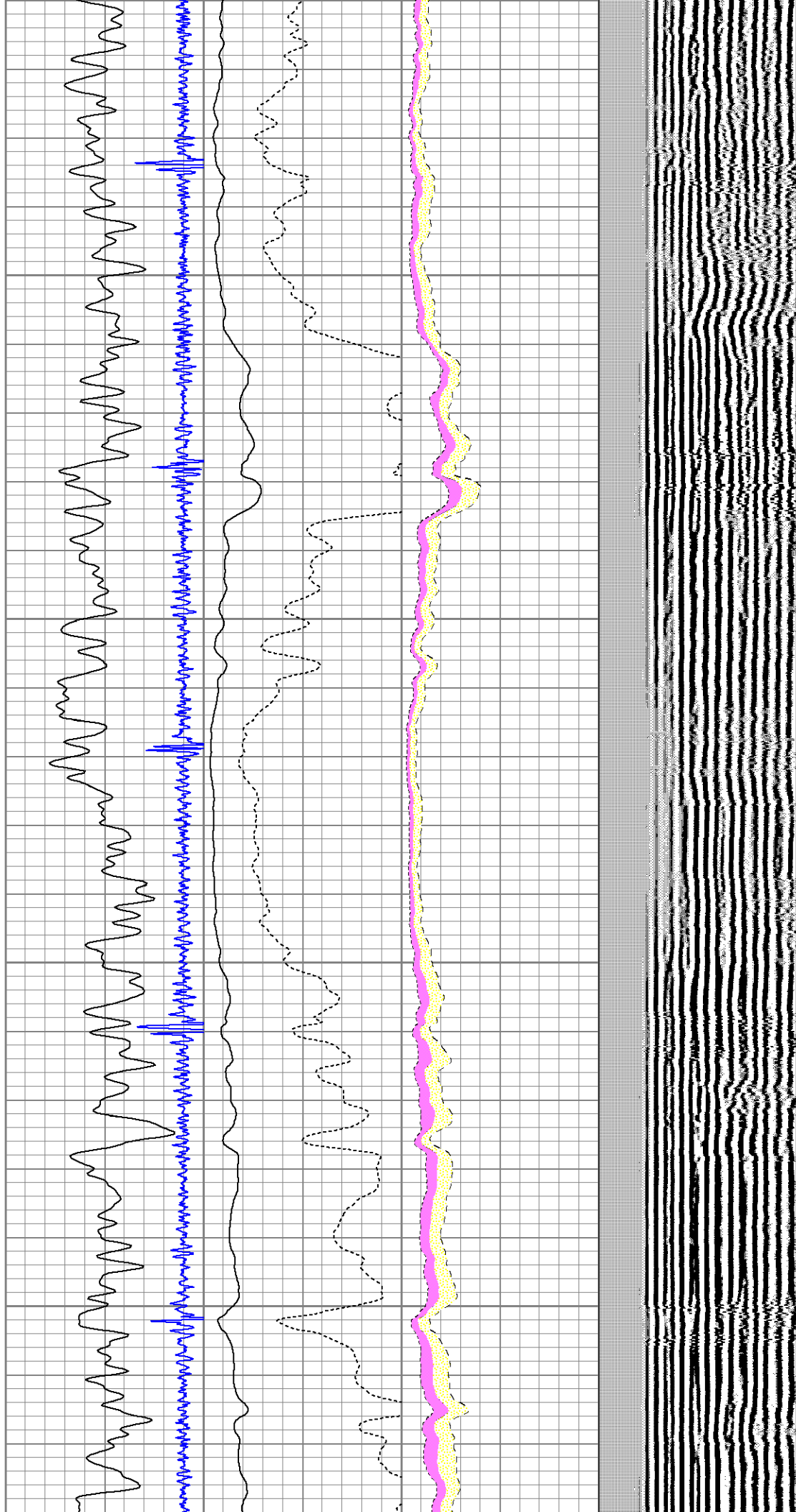
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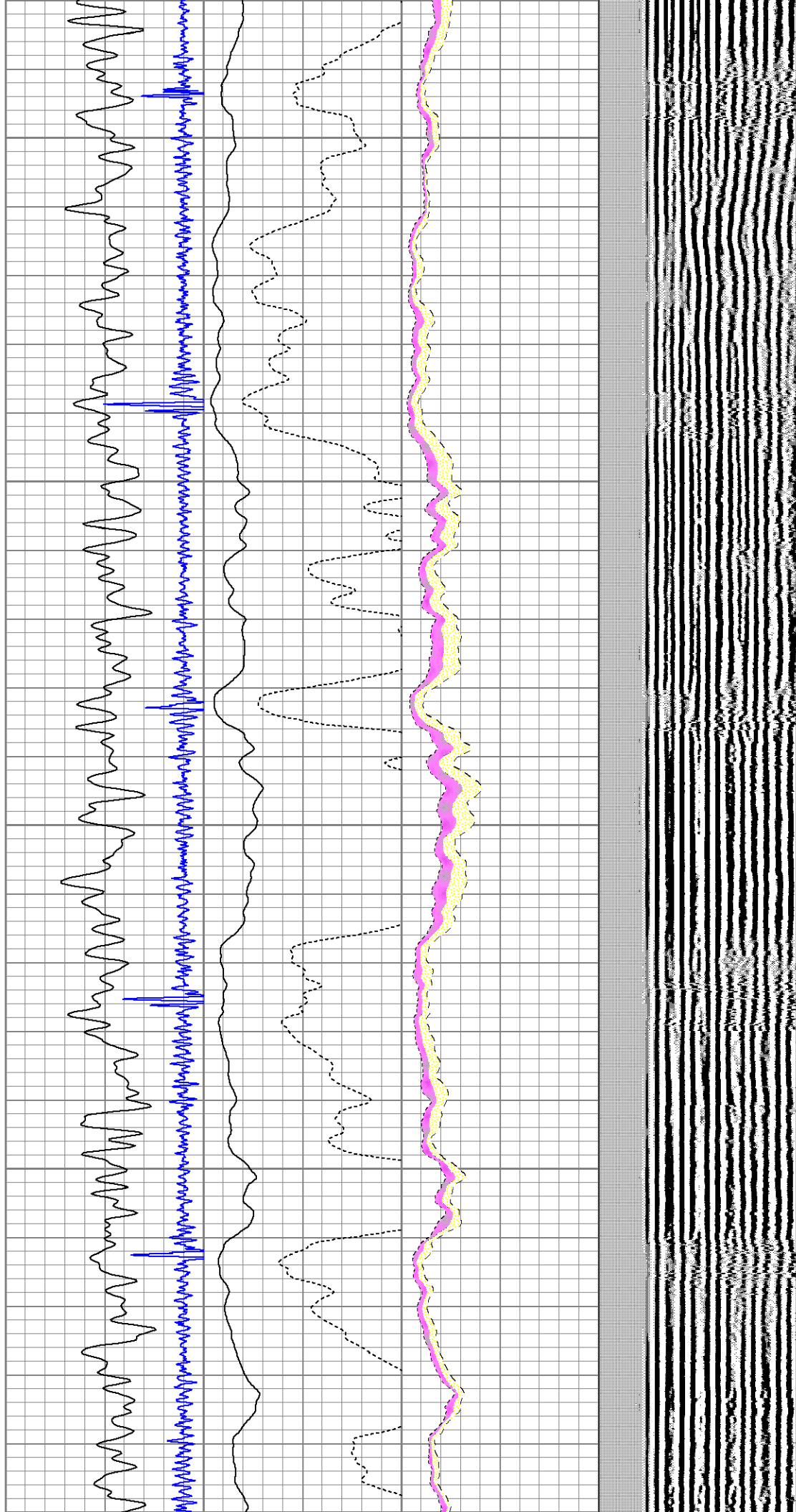
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5000



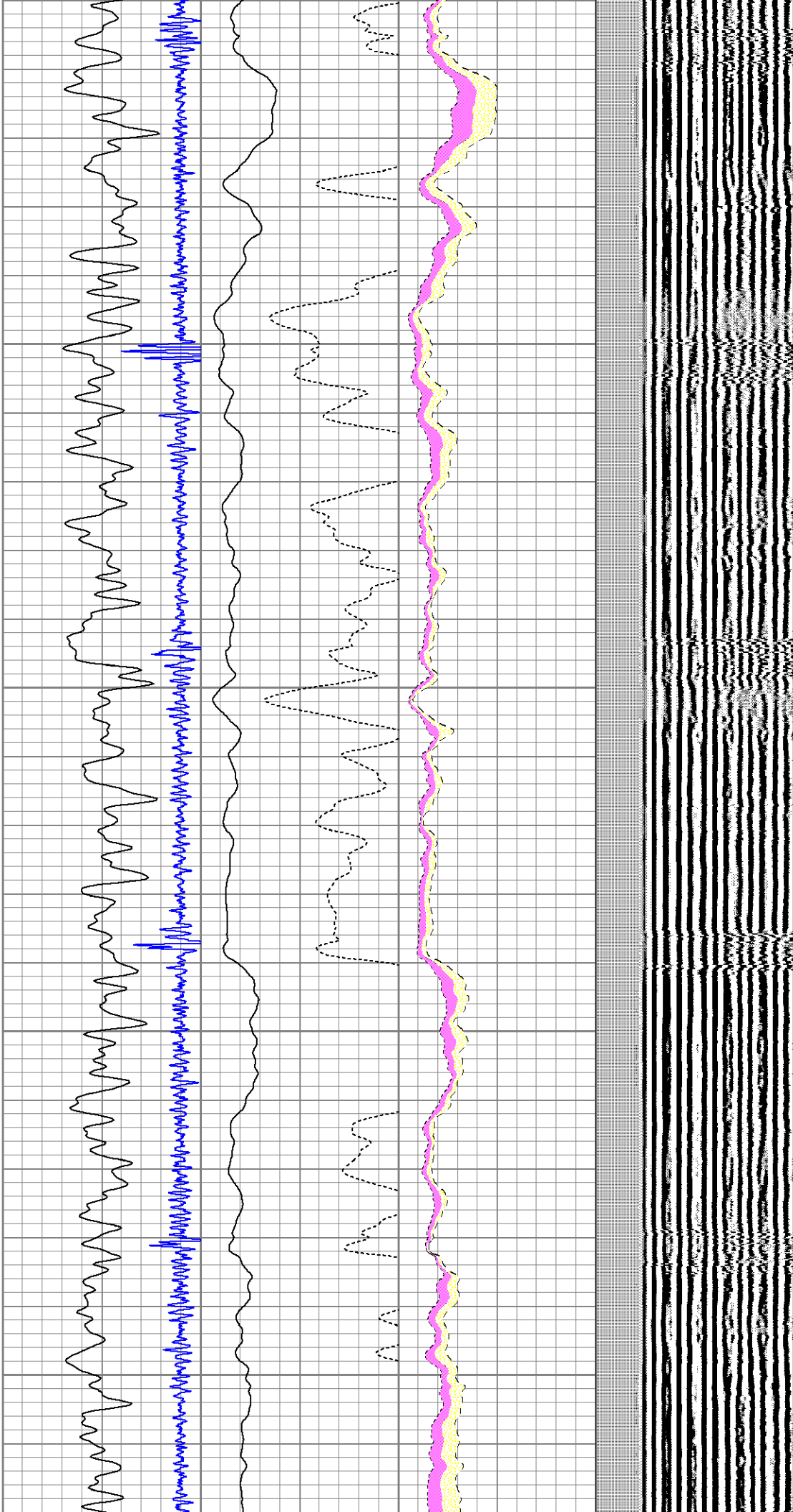
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5200



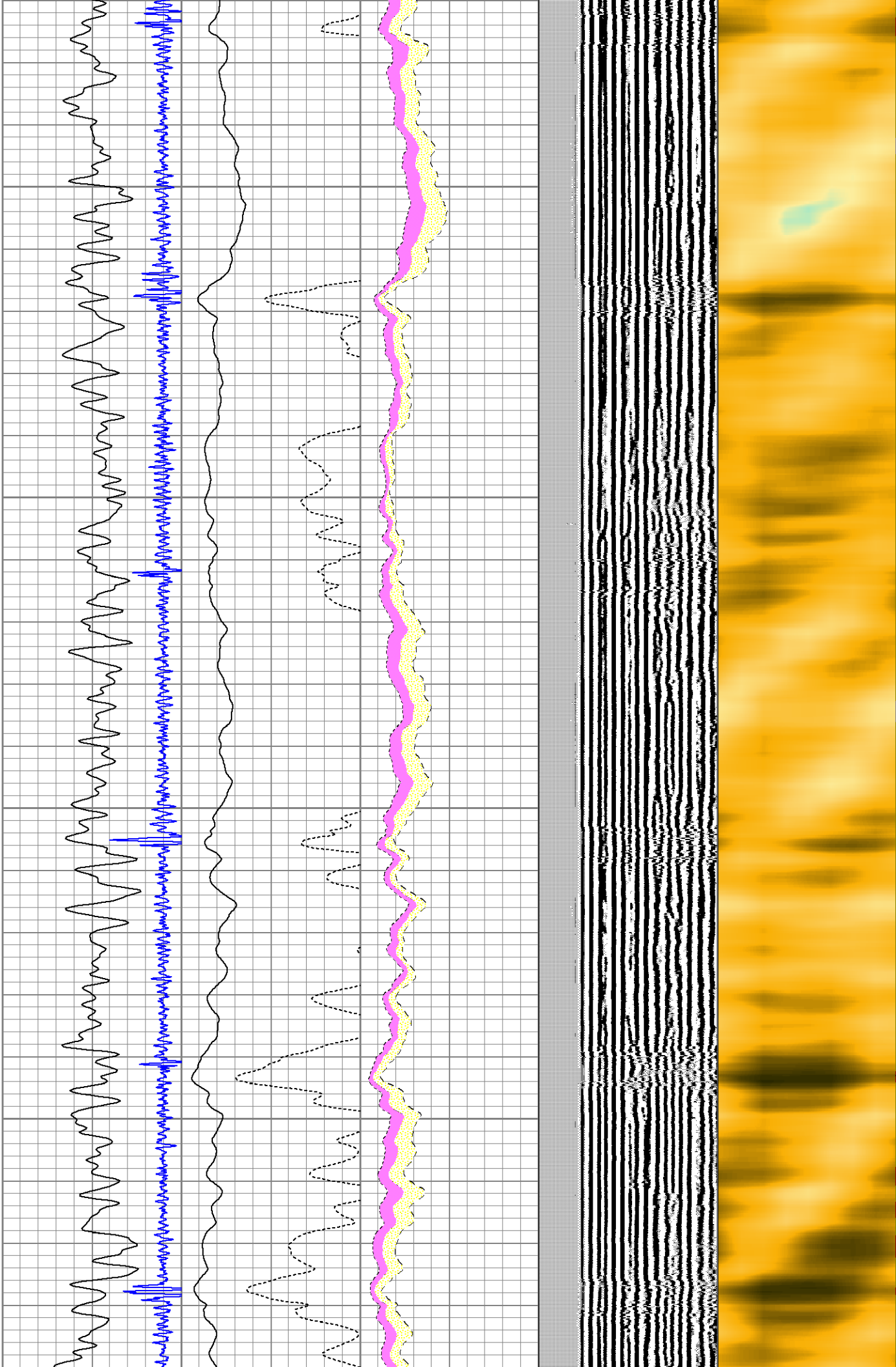
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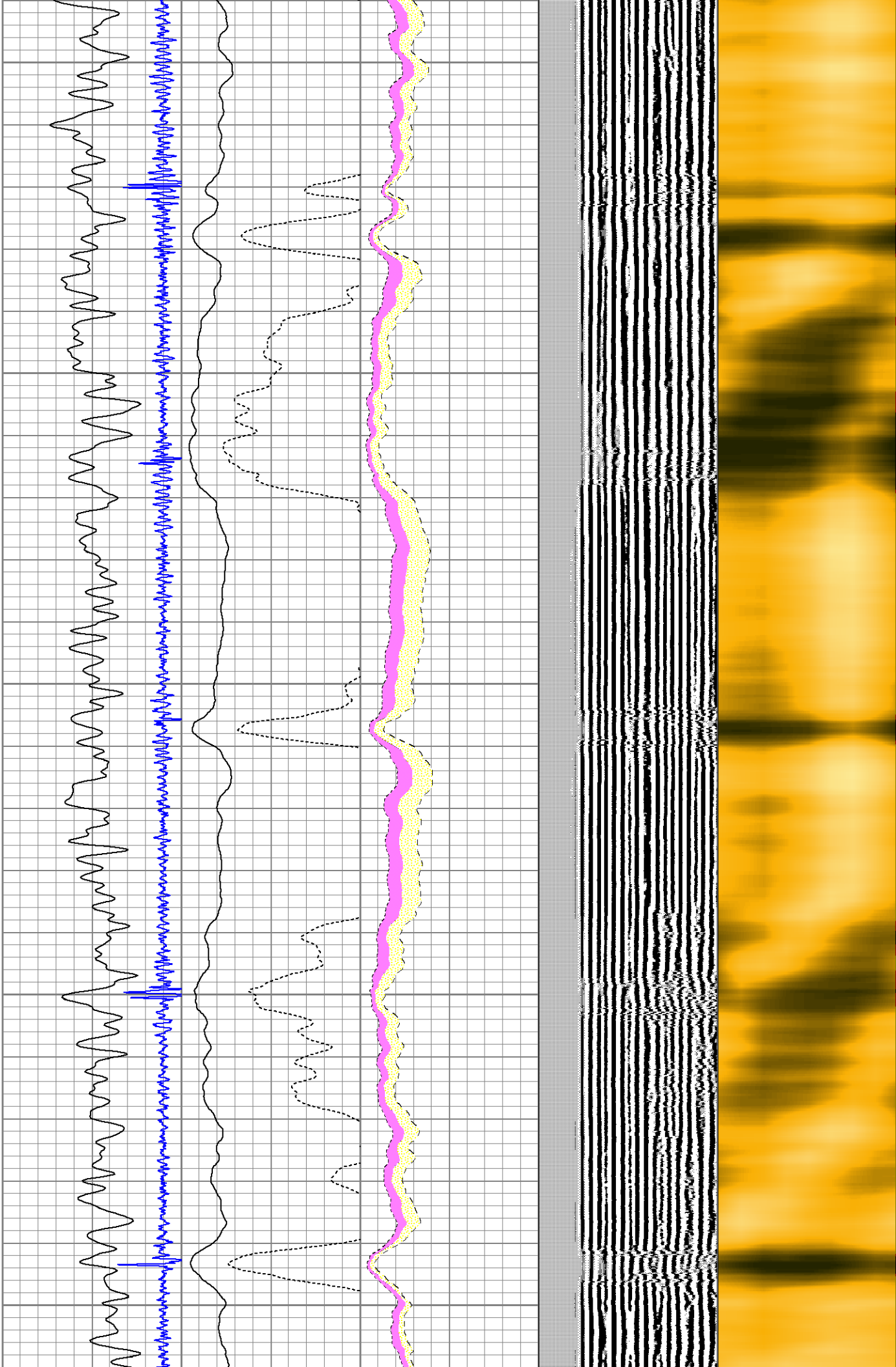
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5700

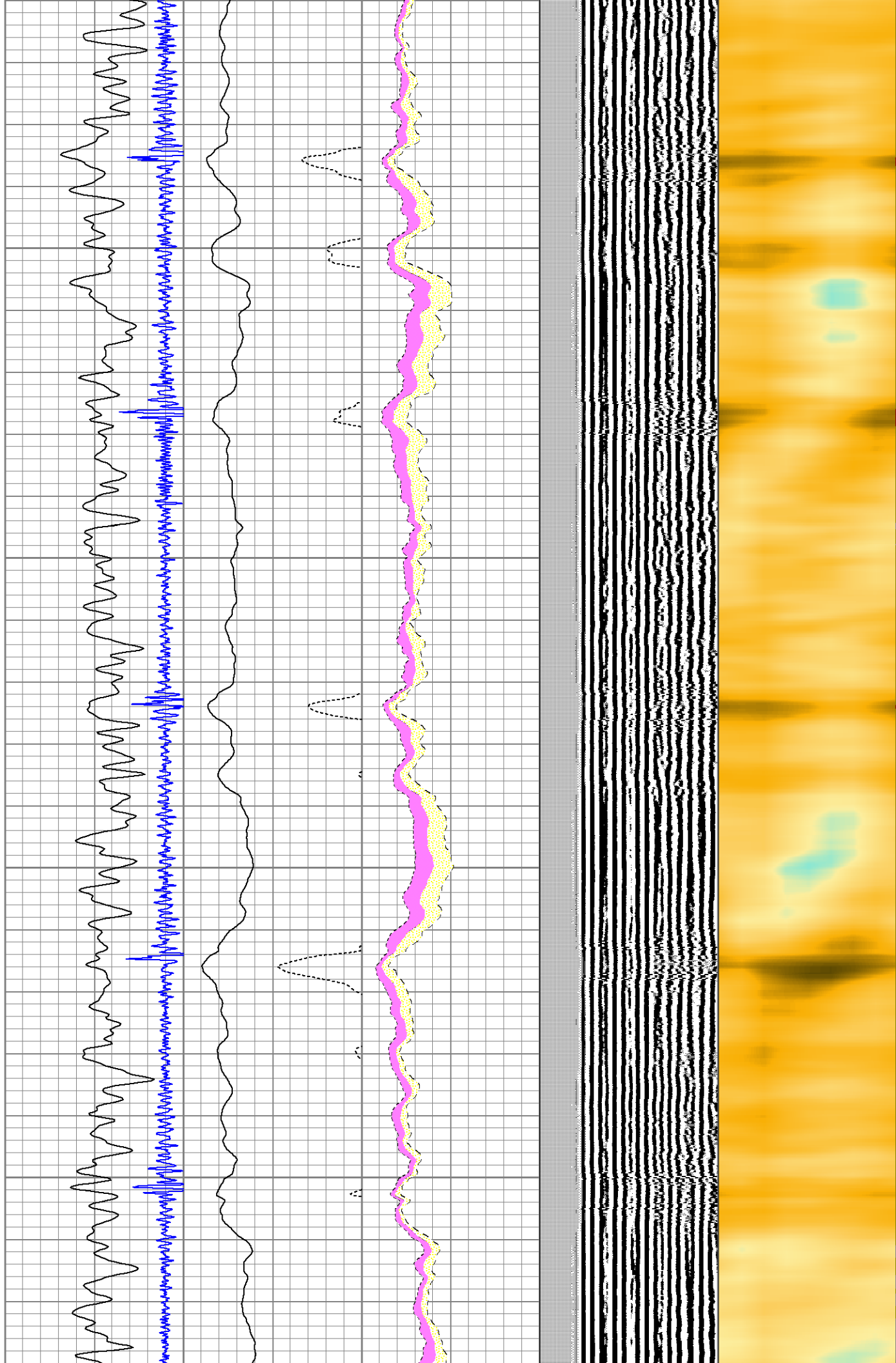
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5900



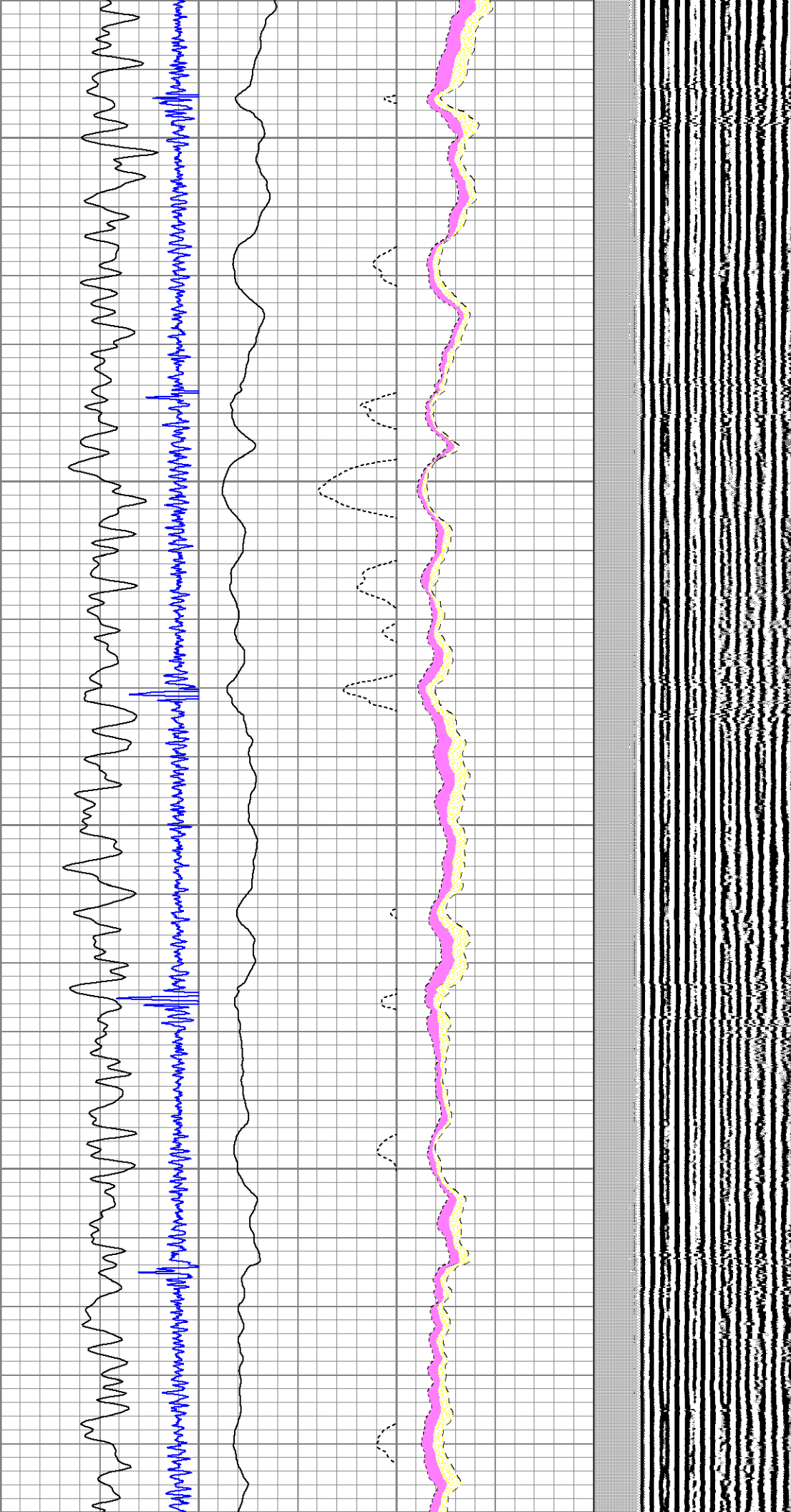
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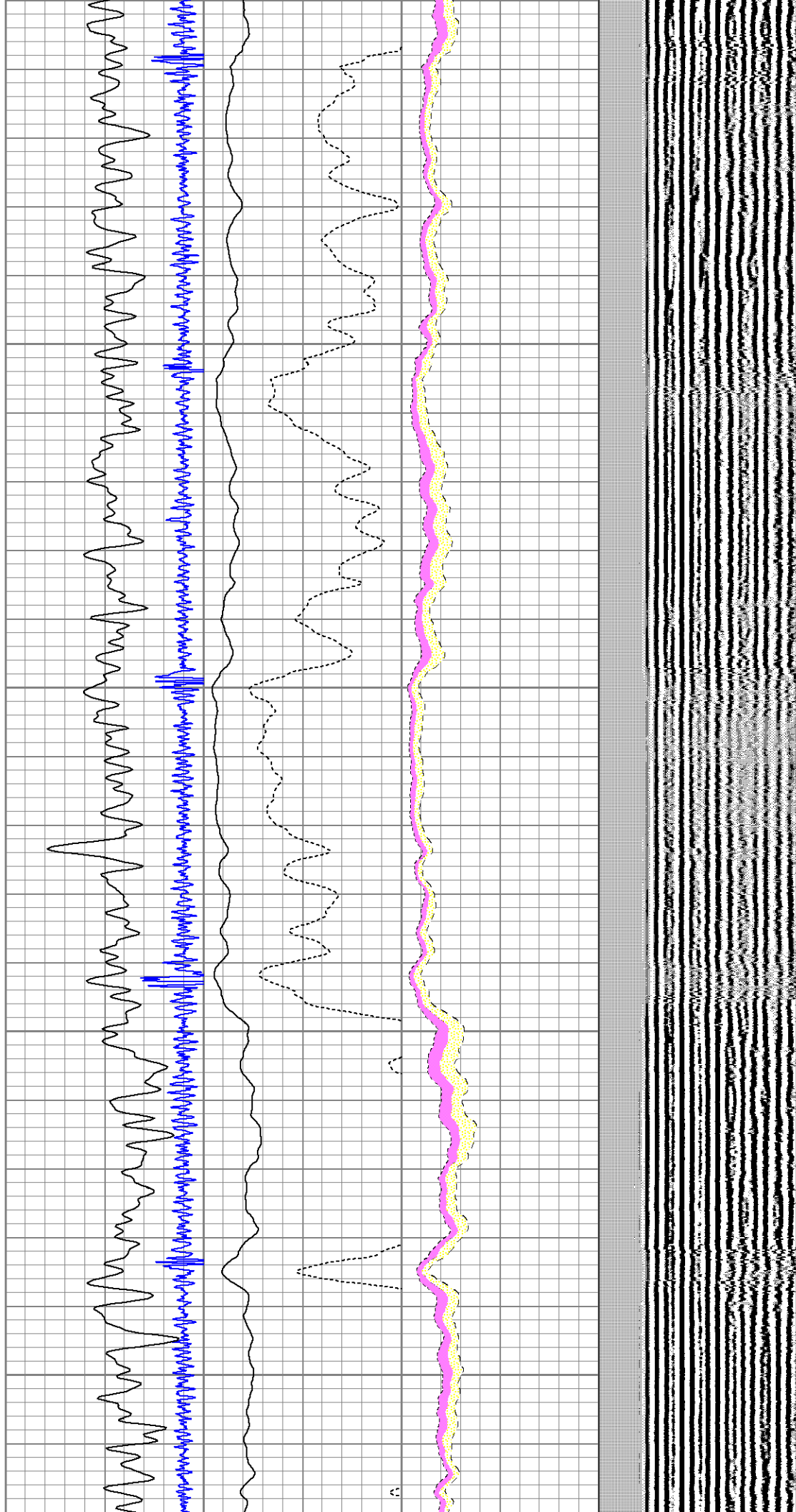
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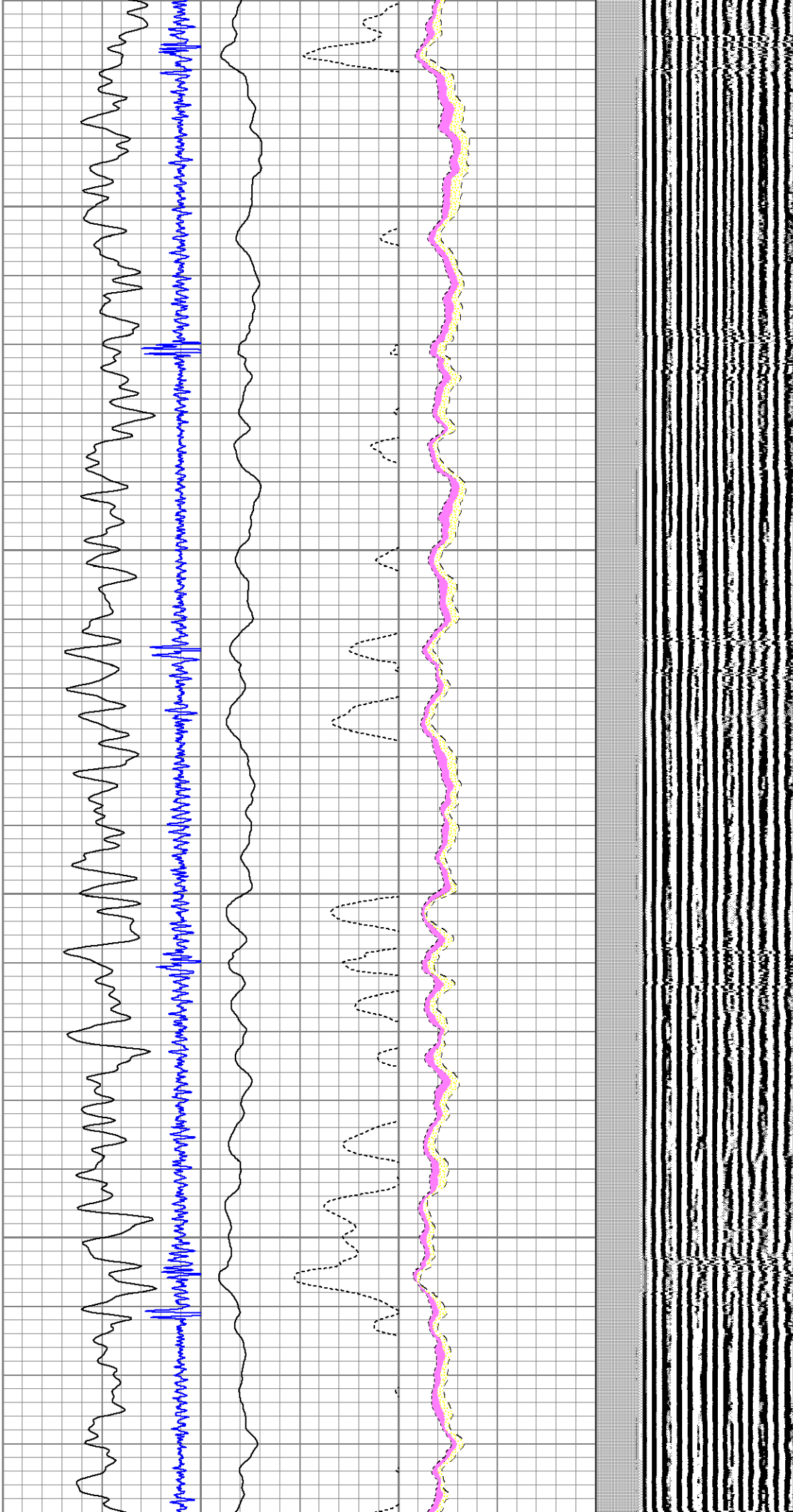
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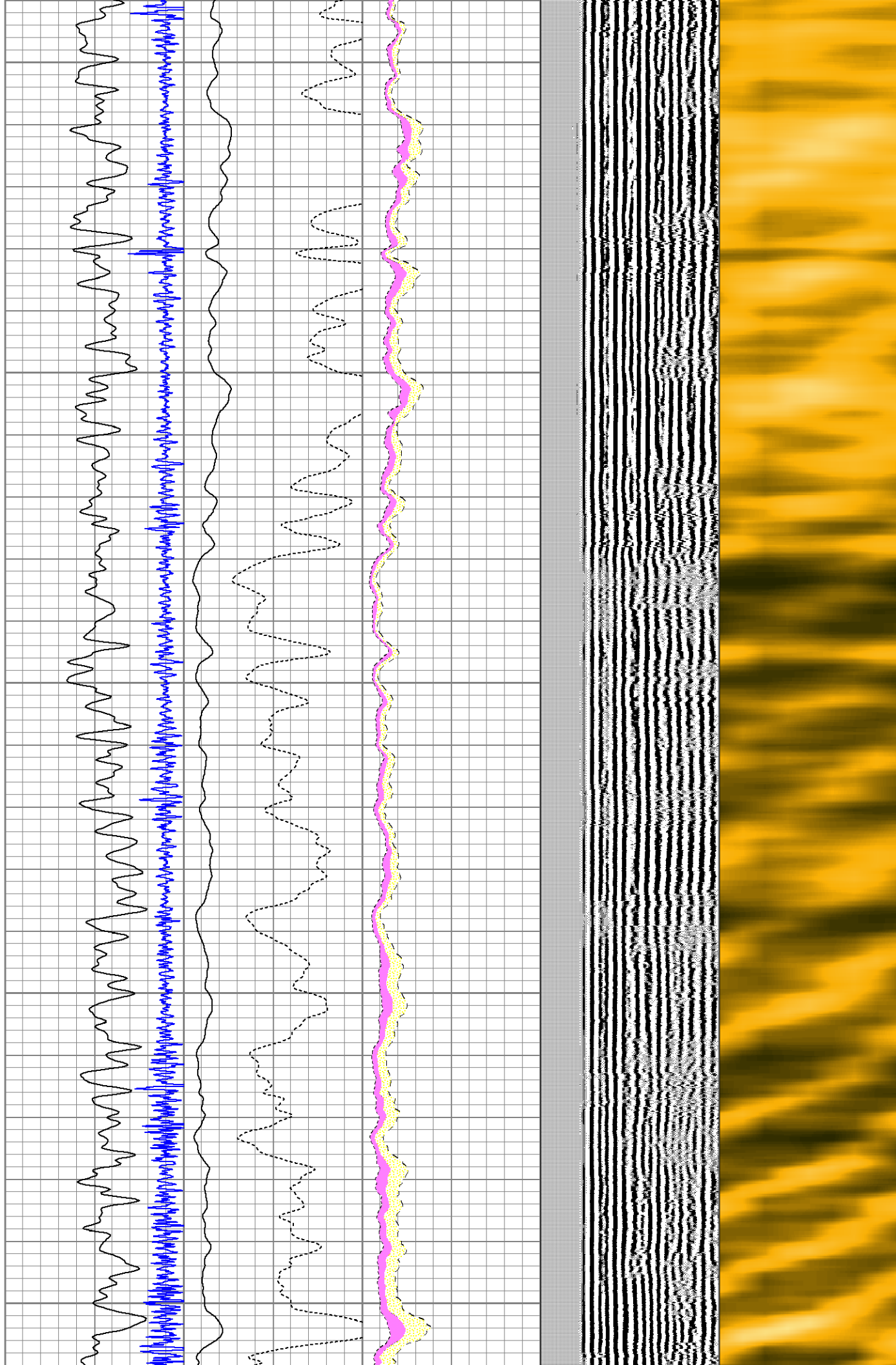
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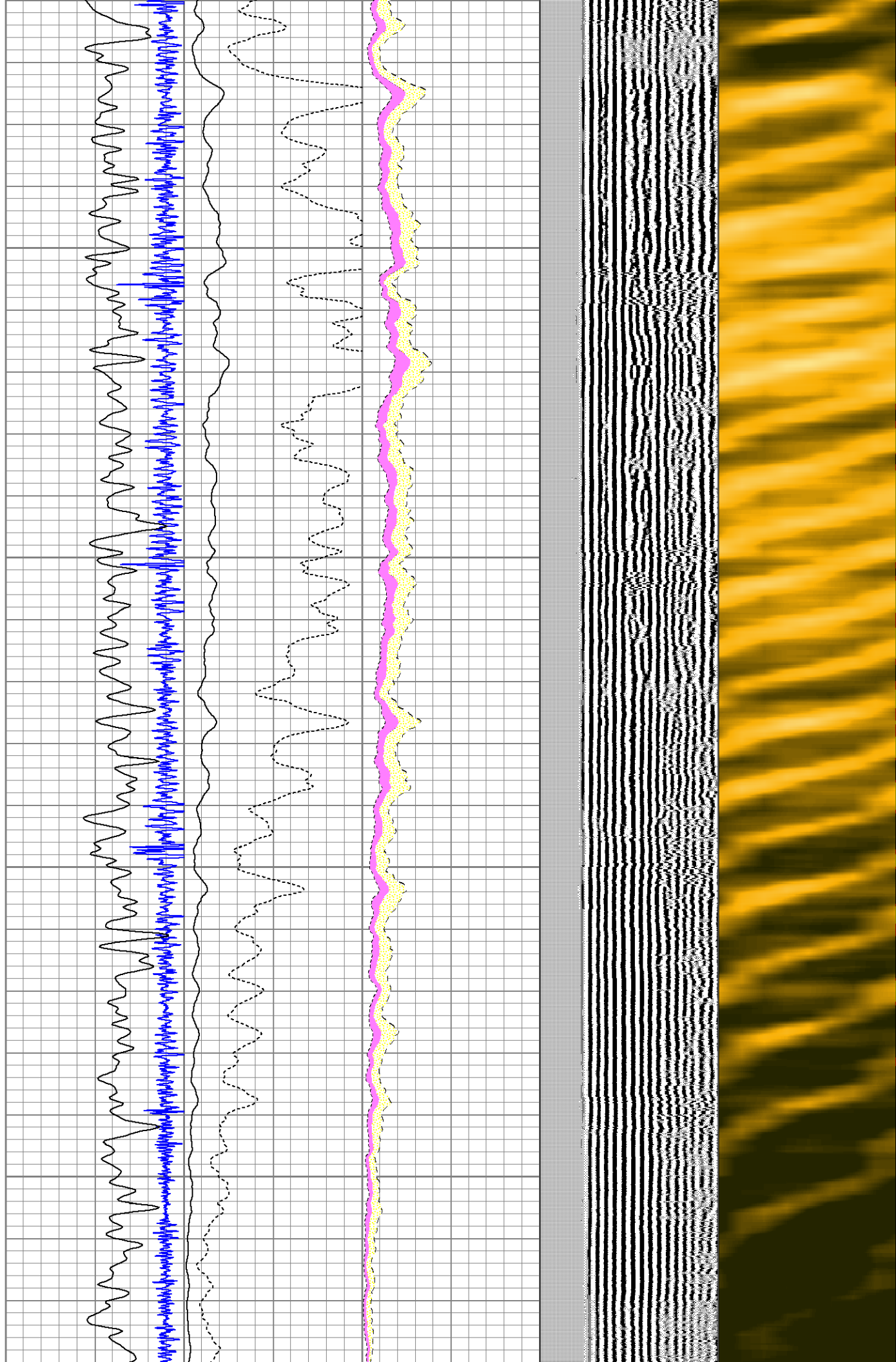
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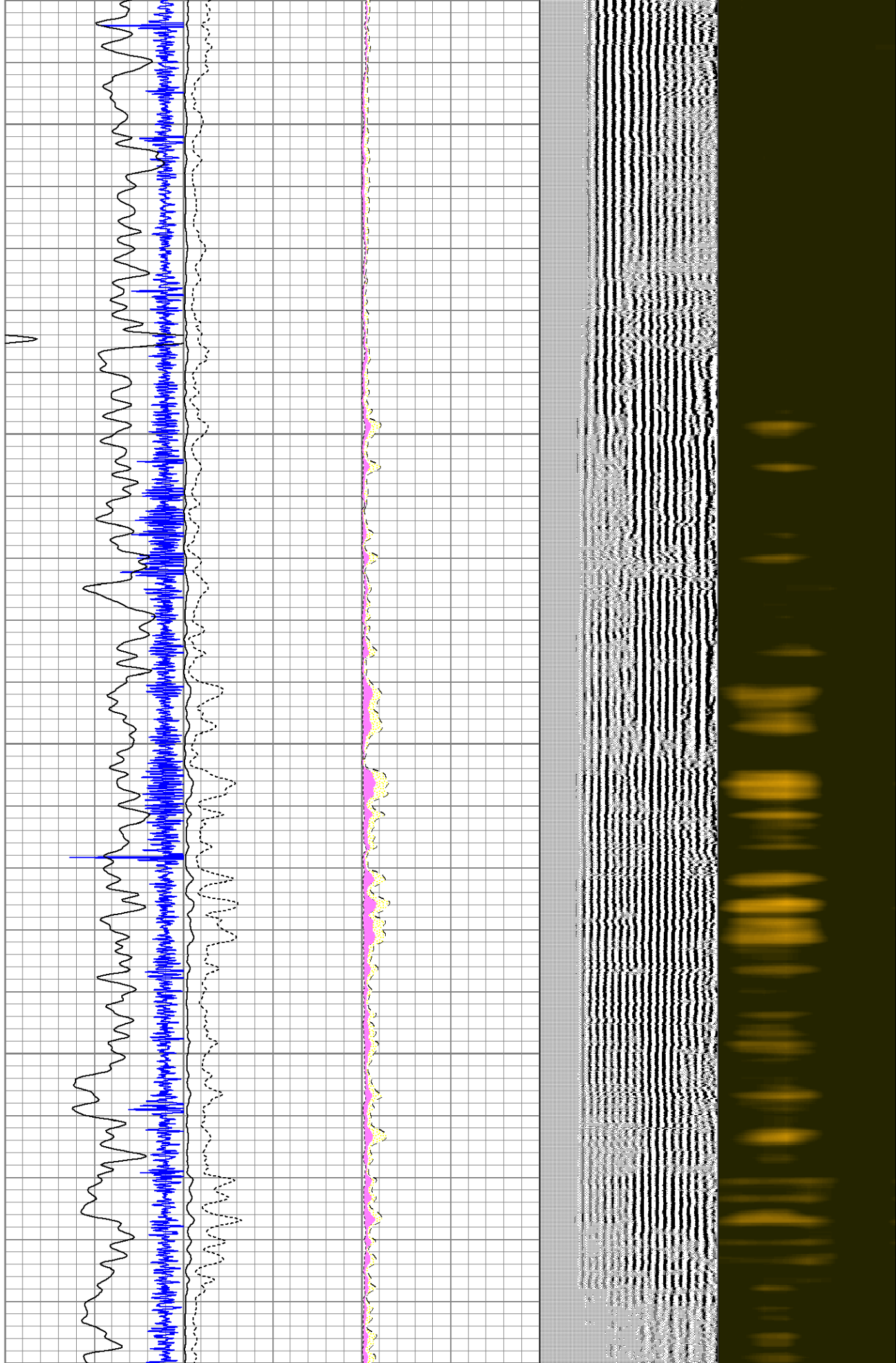
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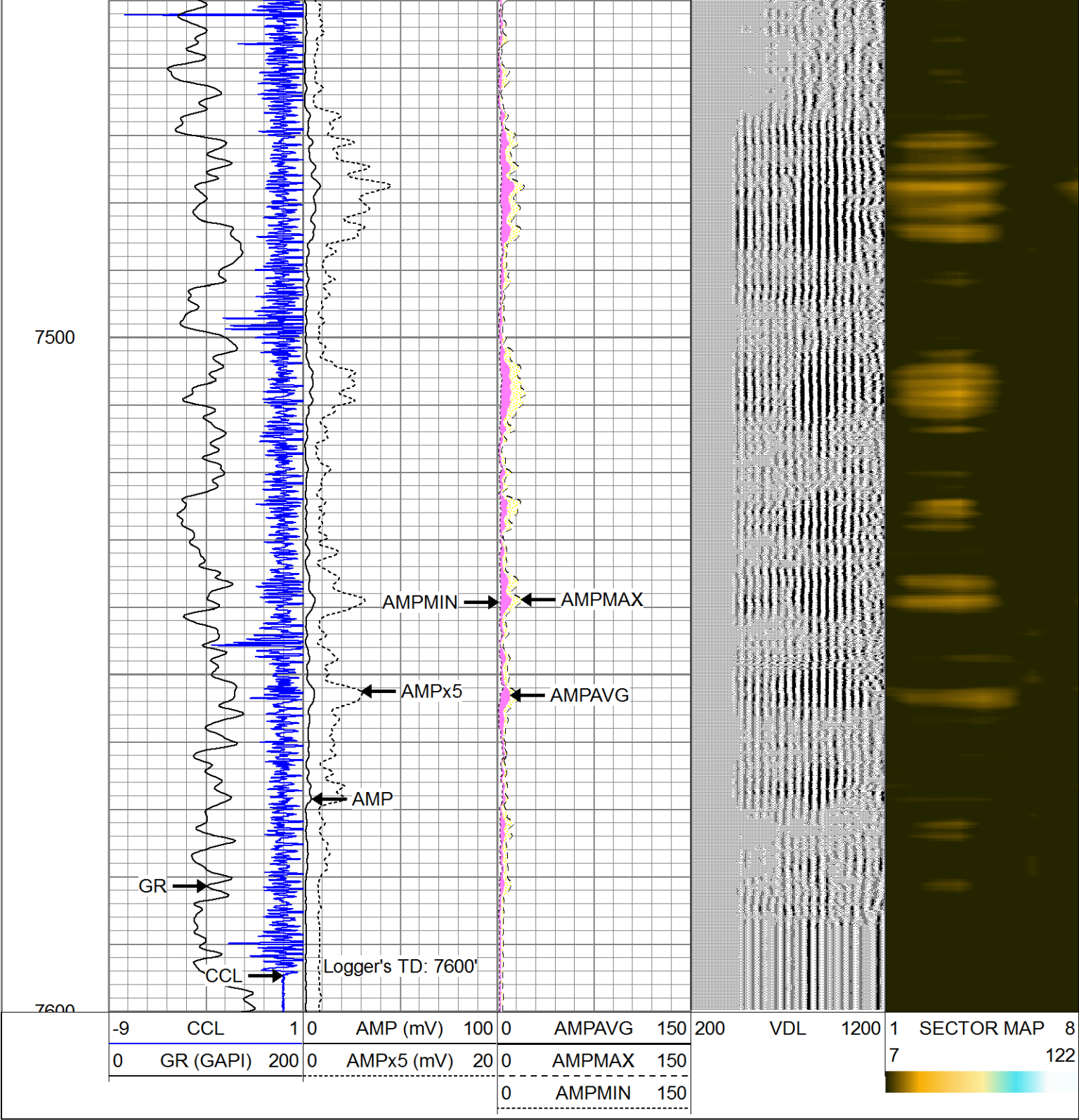
7200



7300

7400





Calibration Report

Database File: 13490.db
Dataset Pathname: pass1
Dataset Creation: Tue Mar 18 23:07:19 2014 by Log 0

Gamma Ray Calibration Report

Serial Number: 111205
Tool Model: probe 2.75
Performed: Tue Mar 18 11:33:42 2014

Calibrator Value: 1.0 GAPI

Background Reading: 0.0 cps
Calibrator Reading: 1.0 cps

Calibrator Reading: 1.0 cps
Sensitivity: 1.0000 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: Base
Tool Model: Probe
Calibration Casing Diameter: 4.500 in
Calibration Depth: 208.015 ft

Master Calibration, performed Tue Mar 18 11:25:23 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.012	0.924	0.000	62.200	65.456	-0.205
CAL	0.012	1.008				
5'	0.012	0.970	0.000	62.200	64.860	0.104
SUM						
S1	0.012	1.028	0.000	100.000	103.052	0.023
S2	0.012	0.941	0.000	100.000	100.753	0.015
S3	0.012	0.845	0.000	100.000	101.153	0.072
S4	0.012	0.807	0.000	100.000	99.895	0.101
S5	0.012	0.822	0.000	100.000	100.085	-0.014
S6	0.012	0.879	0.000	100.000	100.125	0.024
S7	0.012	0.989	0.000	100.000	102.043	0.011
S8	0.012	1.030	0.000	100.000	100.023	0.018

Internal Reference Calibration, performed Tue Nov 21 12:42:07 2006:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	0.998	1.000	0.000

Air Zero Calibration, performed Thu Apr 24 09:23:40 2008:

	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