Company ENCANA OIL & GAS USA

Well JILLSON-EAST RINN E3-22H-M268

Field WATTENBERG

County WELD State COLORADO

PIONEER

Pioneer Energy Services

RADIAL SECTOR BOND LOG WITH GAMMA RAY

Company	**ENCANA OIL & GAS USA**
Well	**JILLSON-EAST RINN E3-22H-M268**
Field	**WATTENBERG**
County	**WELD** State **COLORADO**

Location: API # : 05123396310000

LAT: 40.11790700

LONG: -104.999624200

SEC 22 TWP 2N RGE 68W

Other Services

Permanent Datum	GL	Elevation 4,953'	Elevation
Log Measured From	KB		K.B. 4,966'
Drilling Measured From	KB..............28'		D.F. 4,966'
			G.L. 4,953'

Date of Service	10-AUG-2014		
Run Number	ONE		
Depth Driller or PBTD	15,167'		
Depth Logger	7761'		
Bottom Log Interval	7761'		
Top Log Interval	SURFACE		
Open Hole Size	8-5/8"		
Type Fluid	WATER		
Fluid Level	30'		
Fluid Density	10.8#		
Max. Recorded Temperature	233 °F		
Max. Wellhead Pressure	0		
Wellhead Connection	5K PUMP IN TEE		
Estimated Cement Top	656'		
Unit Number	P-75		
Wireline Size	9/32"		
Location	FORT MORGAN		
Recorded By	LEROY HOBBS		
Witnessed By	KIRBY BURCHETT		

	Size	Wt/Ft	Top	Bottom
Tubing Record				
Surface Casing	9-5/8"	40#	SURFACE	902'
Production Casing	7"	26#	SURFACE	7,990'.
Liner Record				

<<< Fold Here >>>

Comments

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.

THANK YOU FOR USING PIONEER Energy SERVICES

Your Pioneer Energy Services Crew	Tool Data - Services	Serial Number
Engineer: HOBBS Operator: SPILLMAN Operator: Operator:		

PIONEER

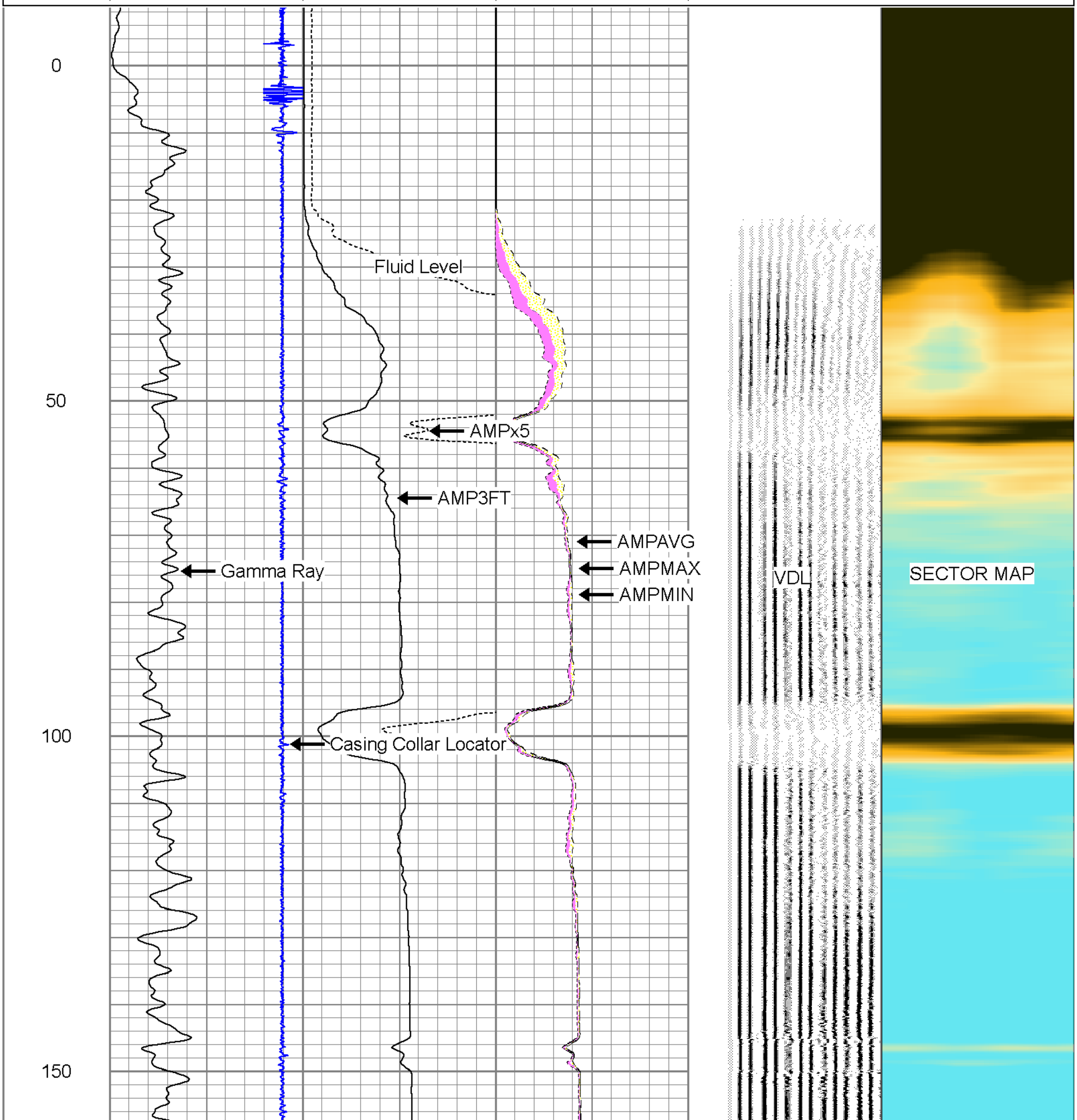
Pioneer Energy Services

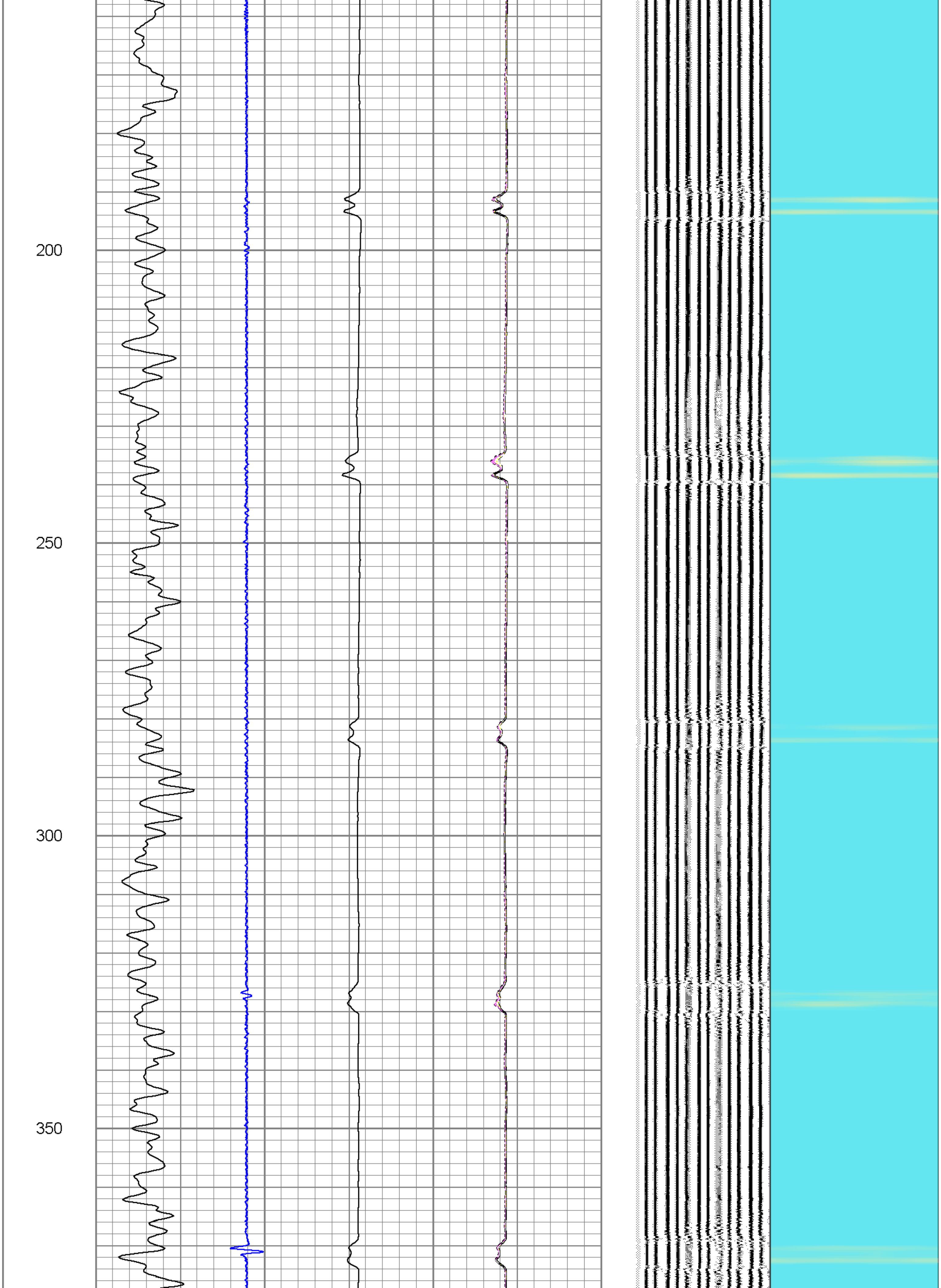
API # 05.1223.39631

LOGGED UNDER "0" PSI

Database File:	jillson-east_rinn_3e-22h-m268_0512339631.db
Dataset Pathname:	pass1
Presentation Format:	scbl02
Dataset Creation:	Sun Aug 10 01:08:12 2014 by Log 7.0 B1
Charted by:	Depth in Feet scaled 1:240

-9 CCL 1	3' Amplitude	0 AMPAVG 150	200 VDL 1200	1 SECTOR MAP 8
Gamma Ray	0 (mV) 100	0 AMPMAX 150		10 60
0 (GAPI) 200	0 AMPx5 (mV) 20	0 AMPMIN 150		

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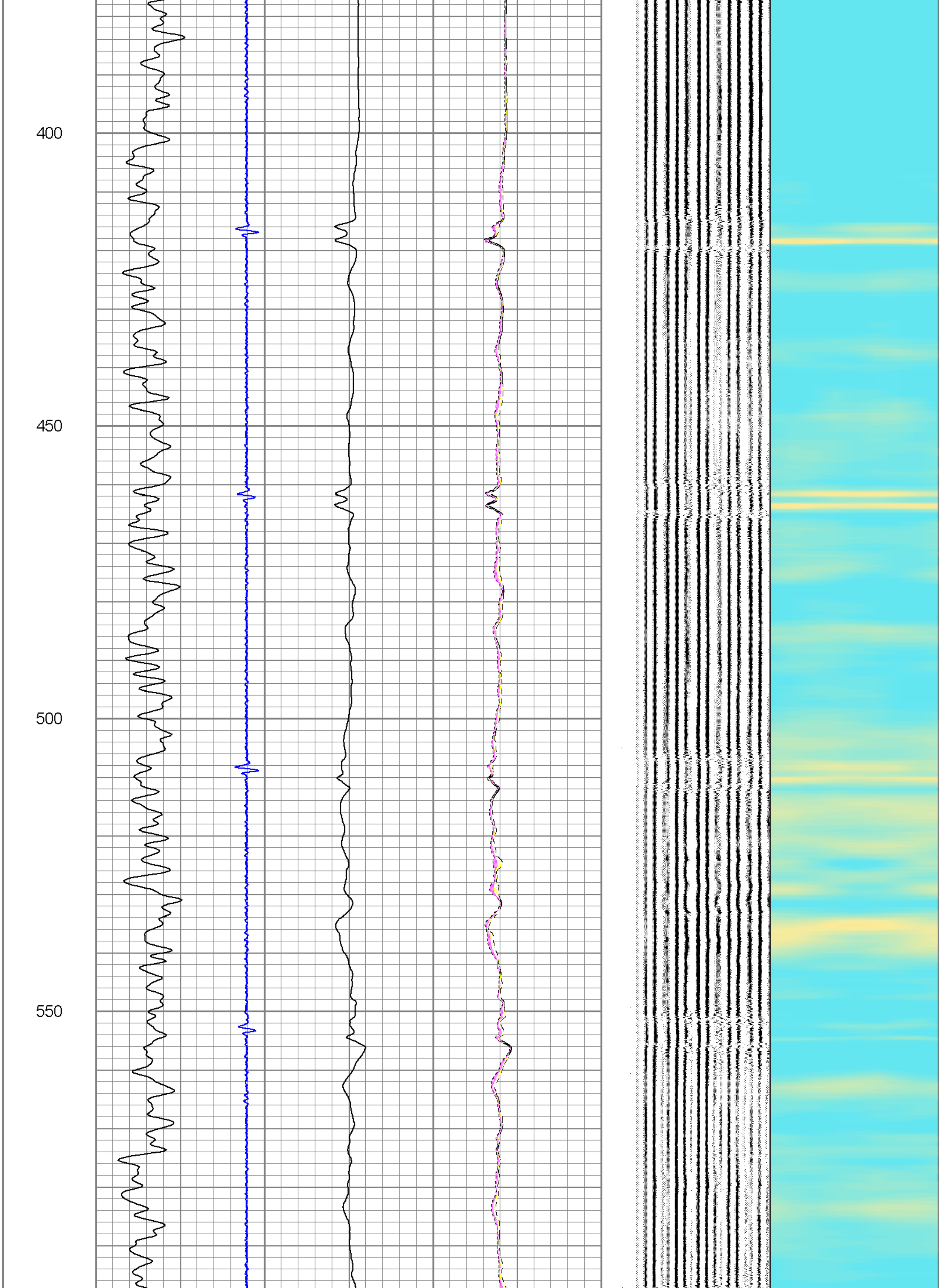
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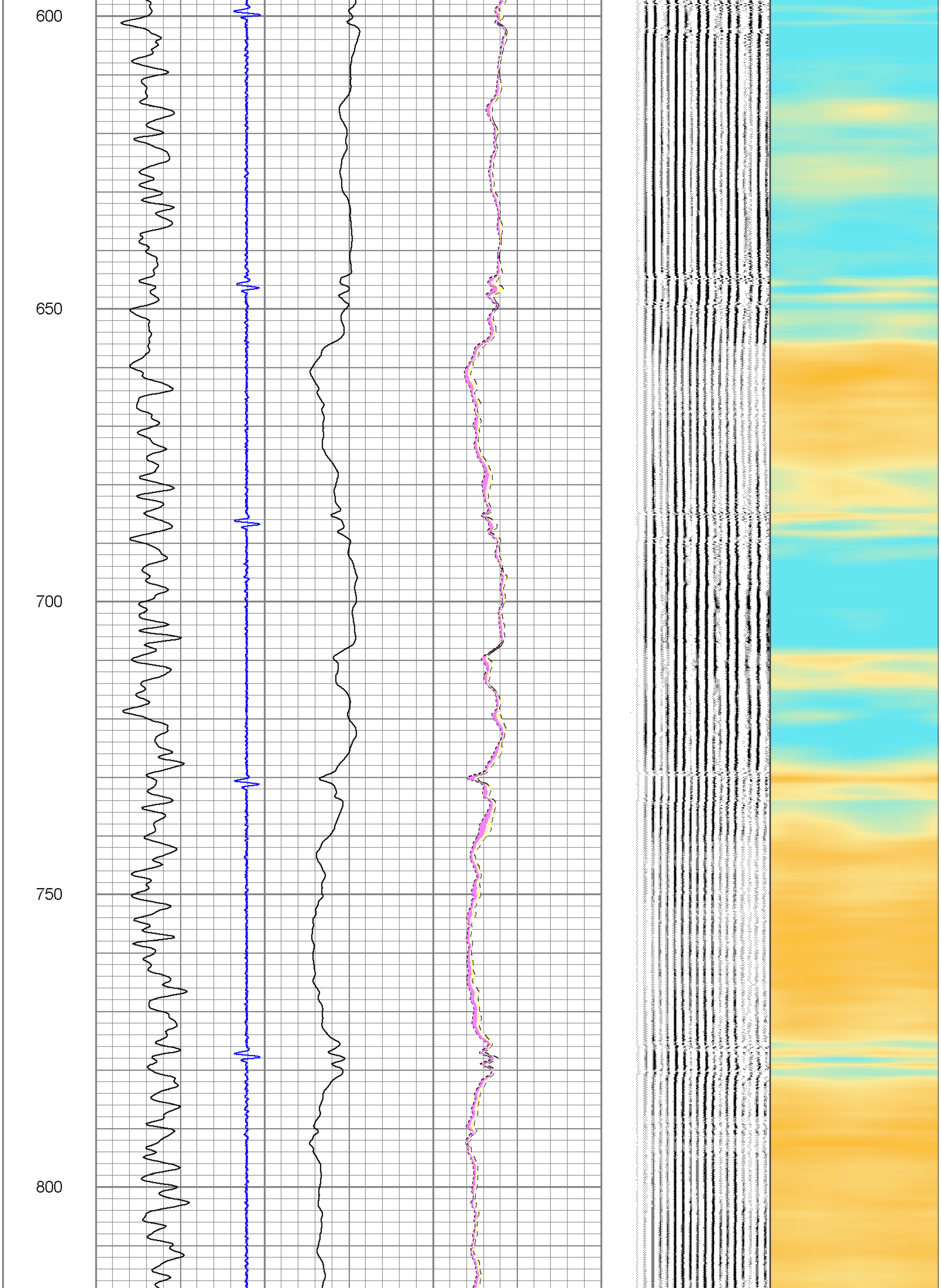
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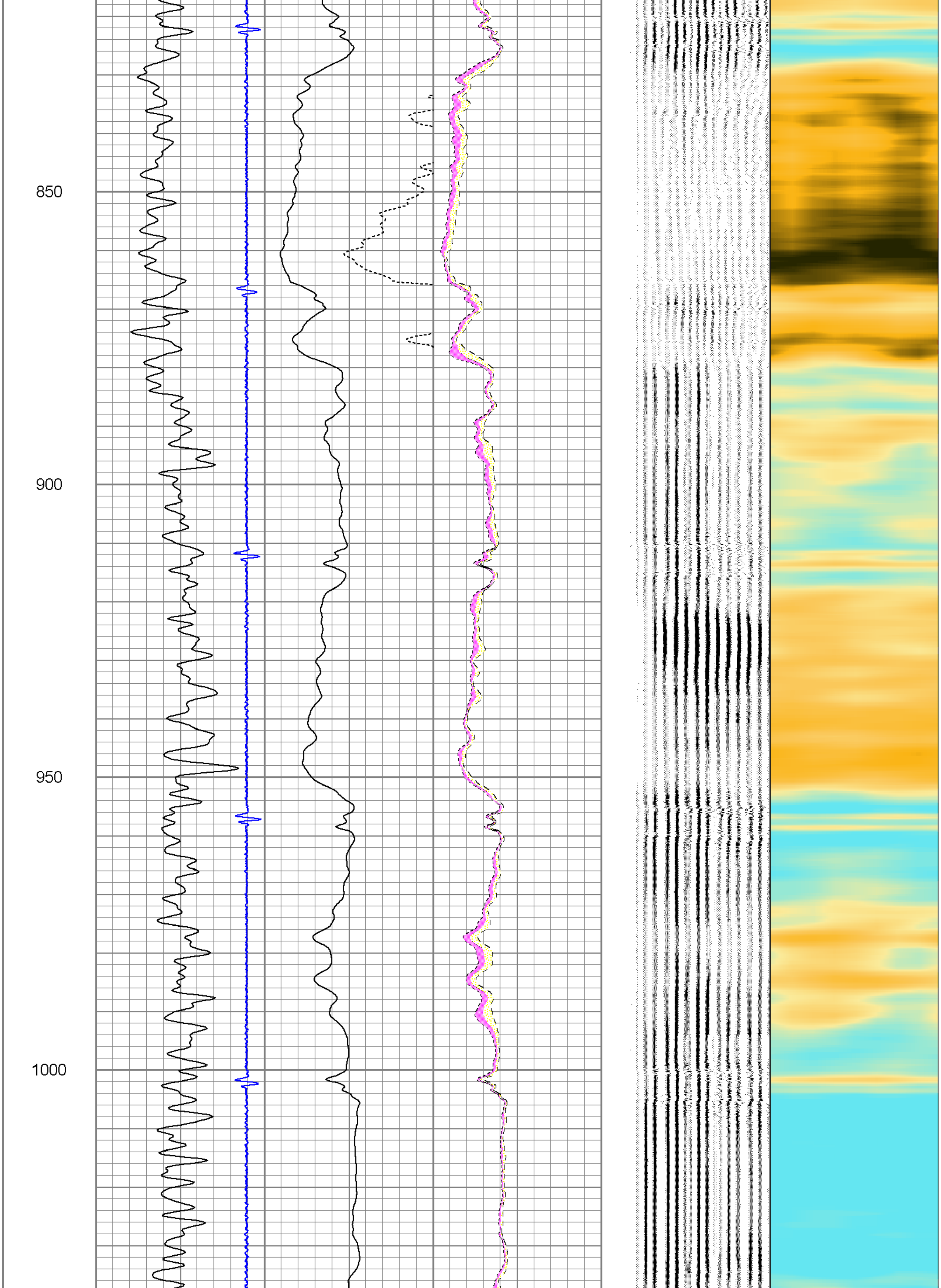
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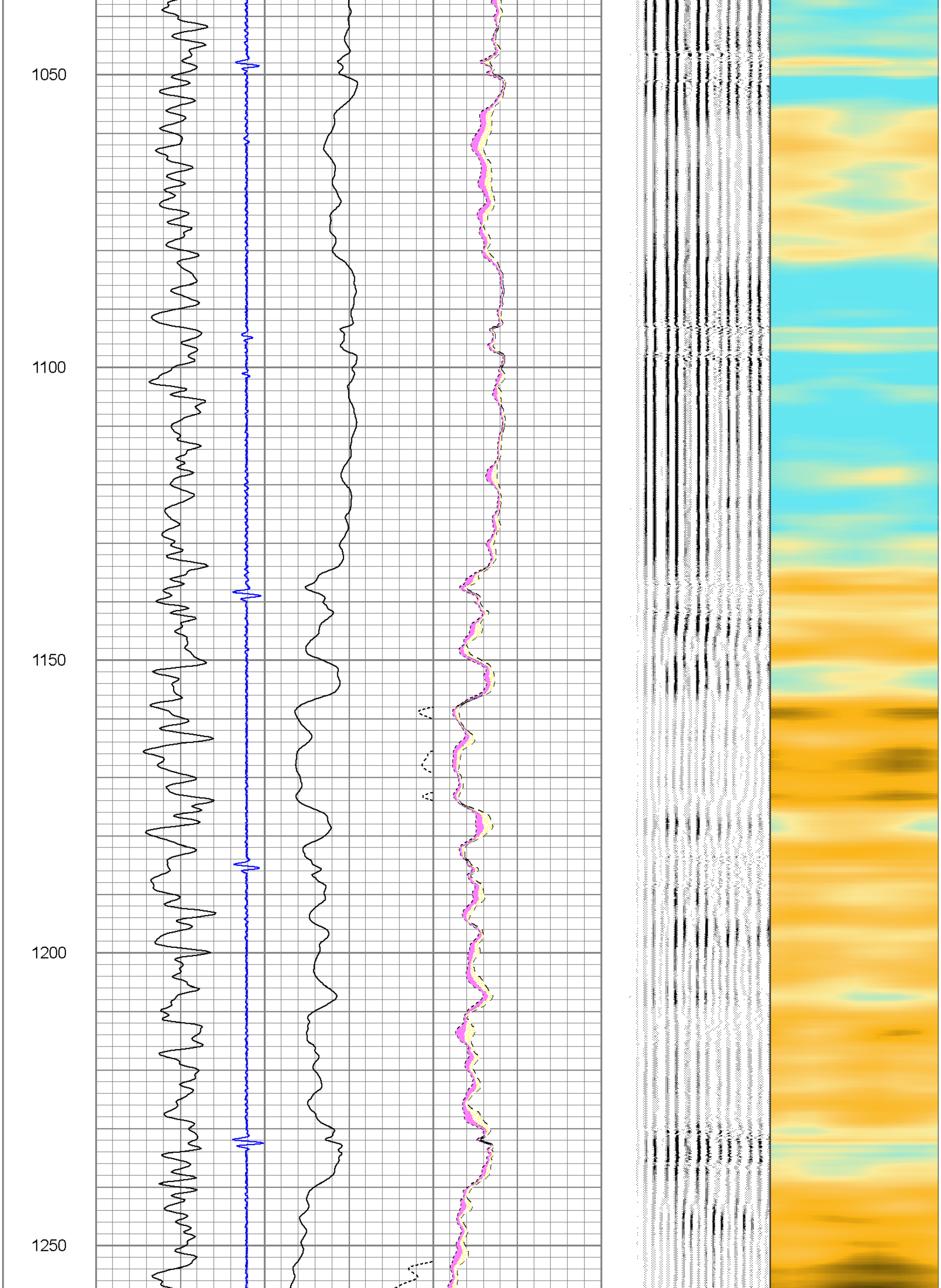
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1200
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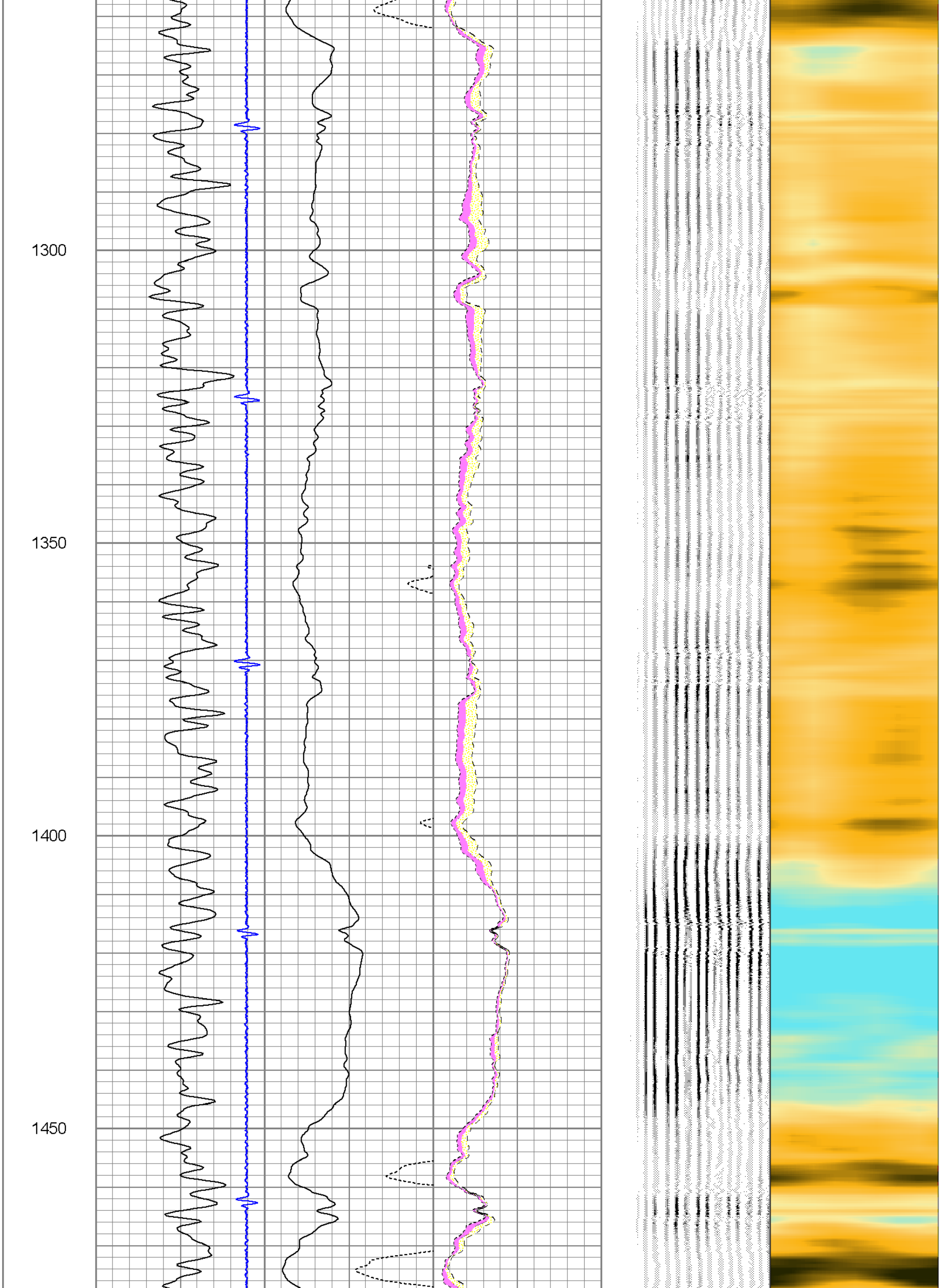
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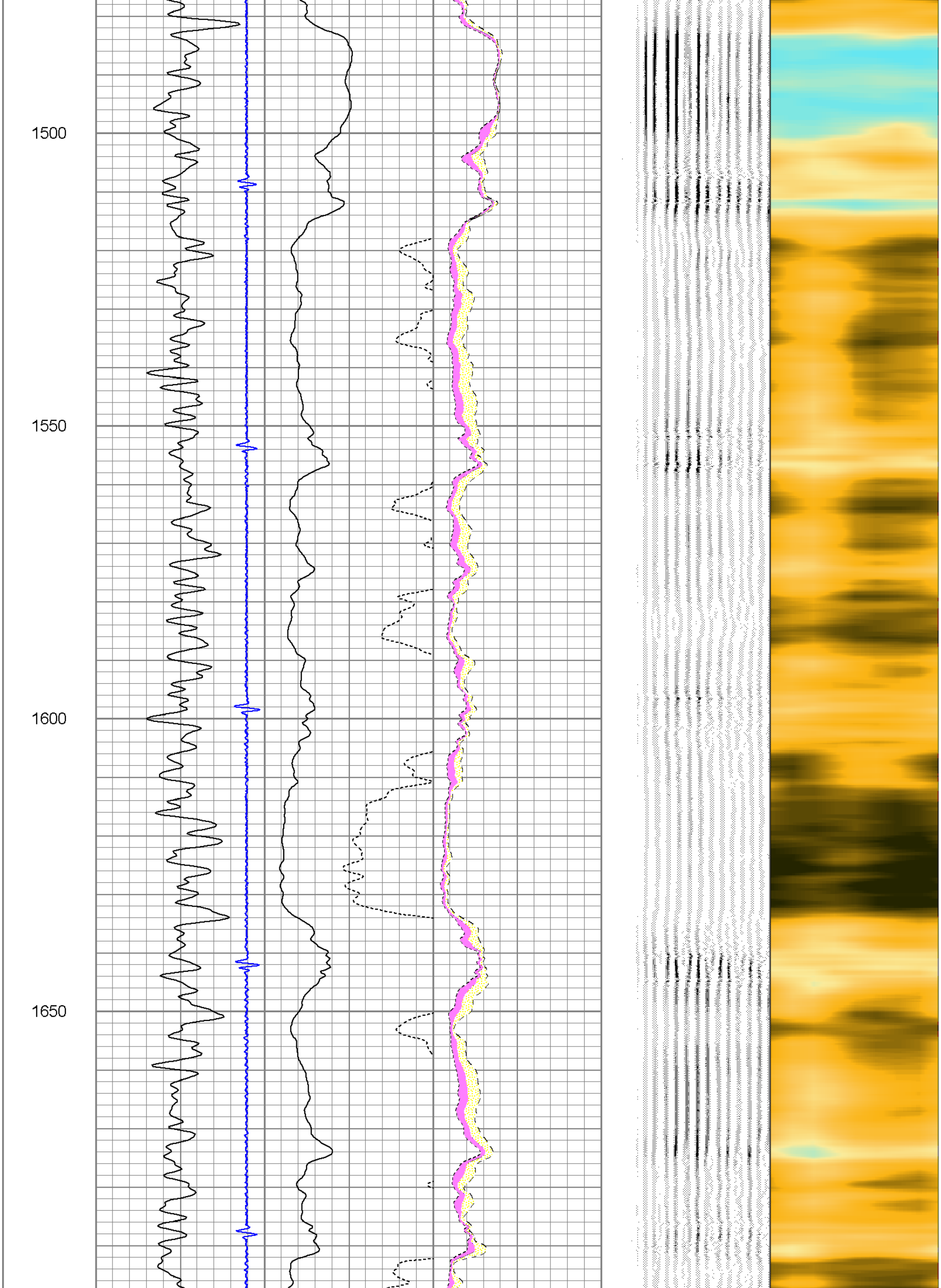
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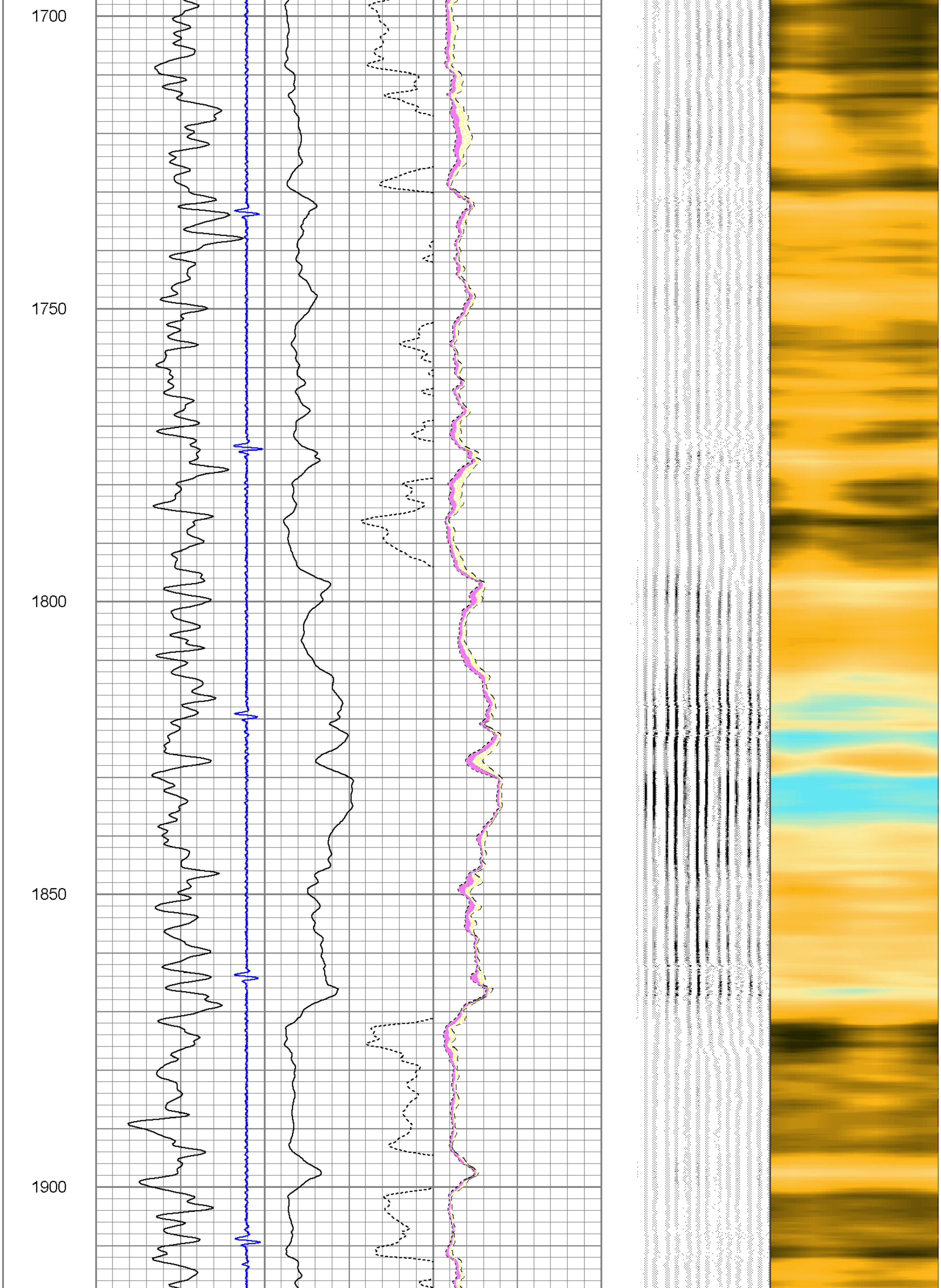
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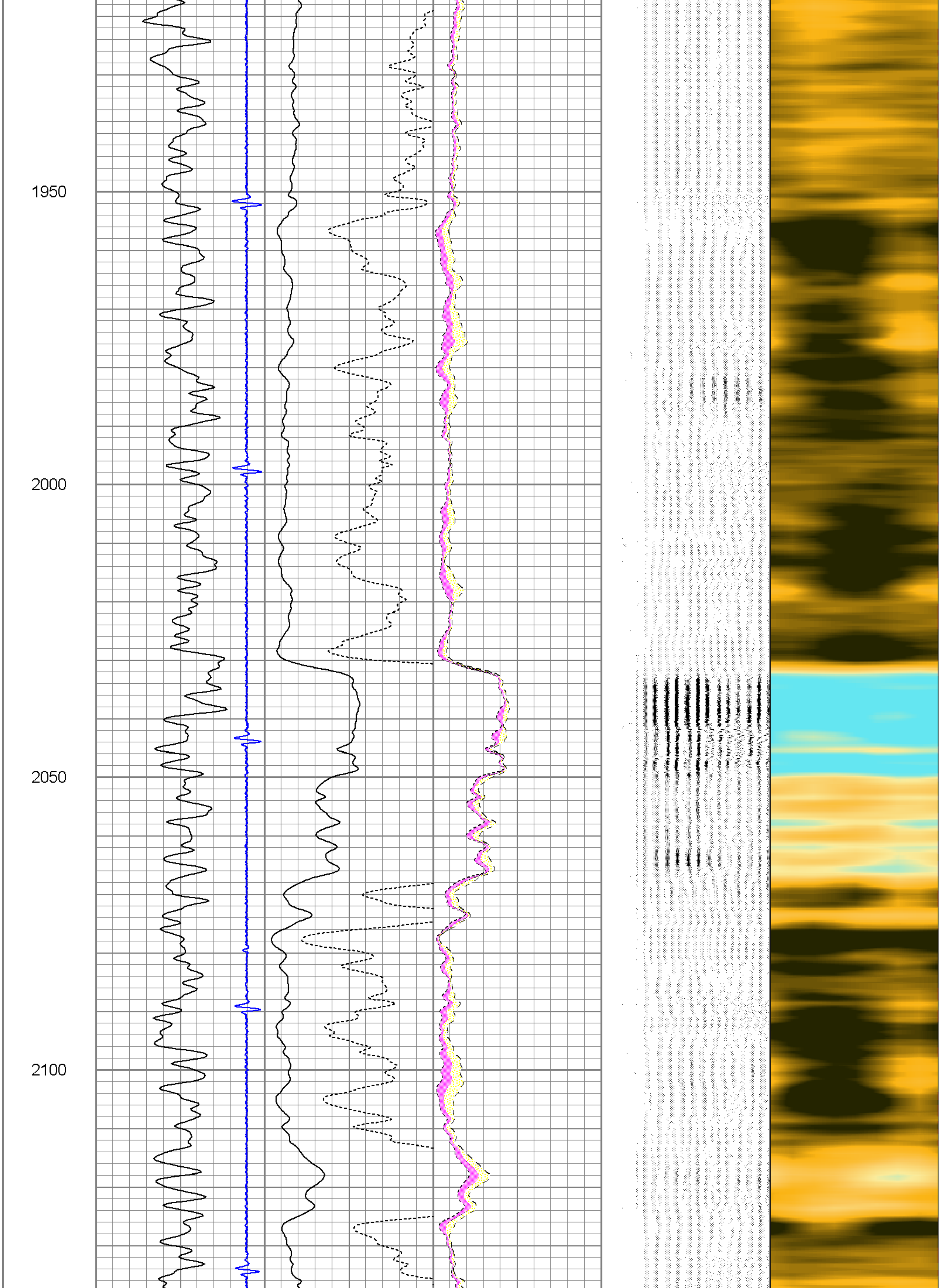
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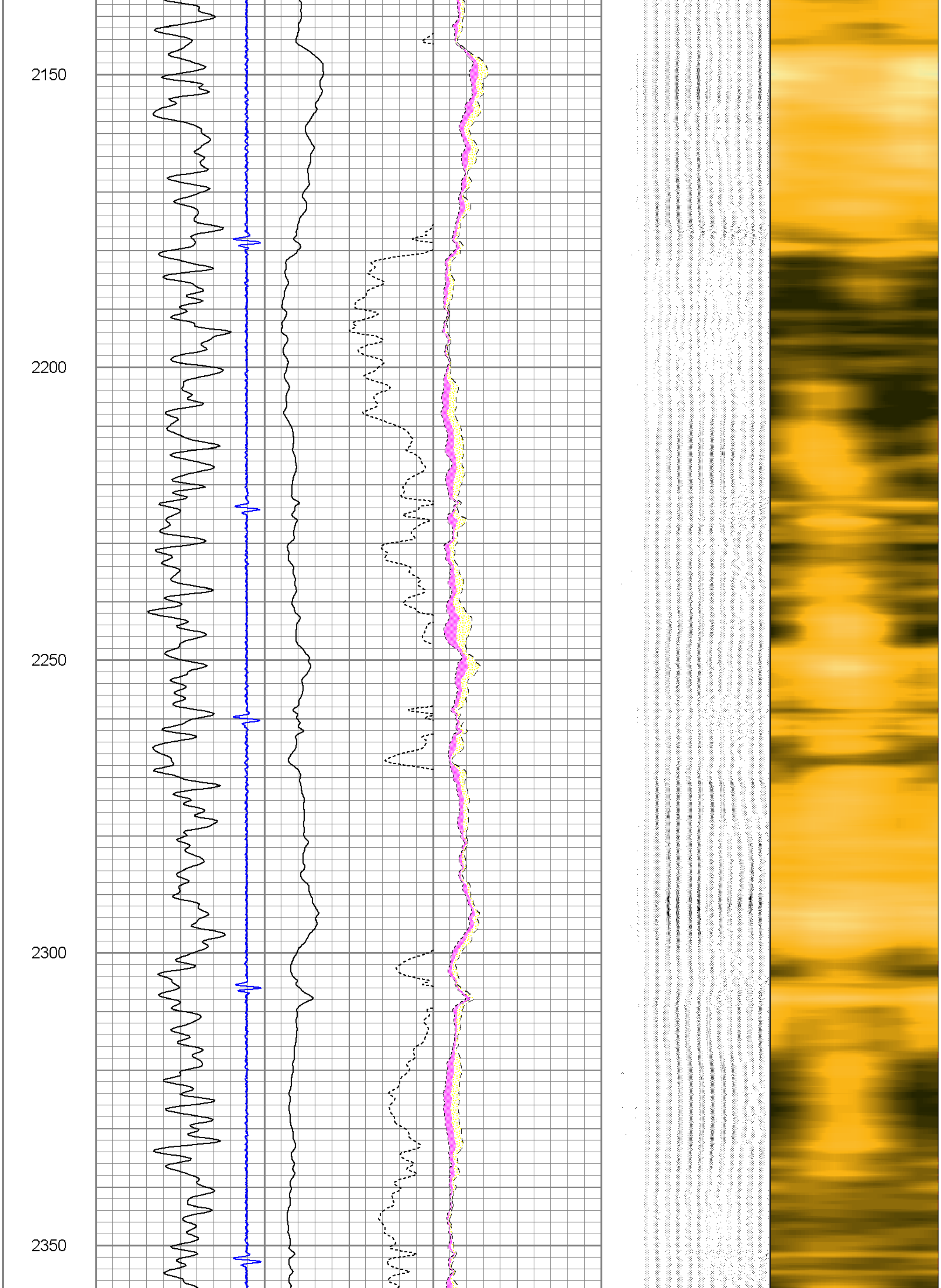
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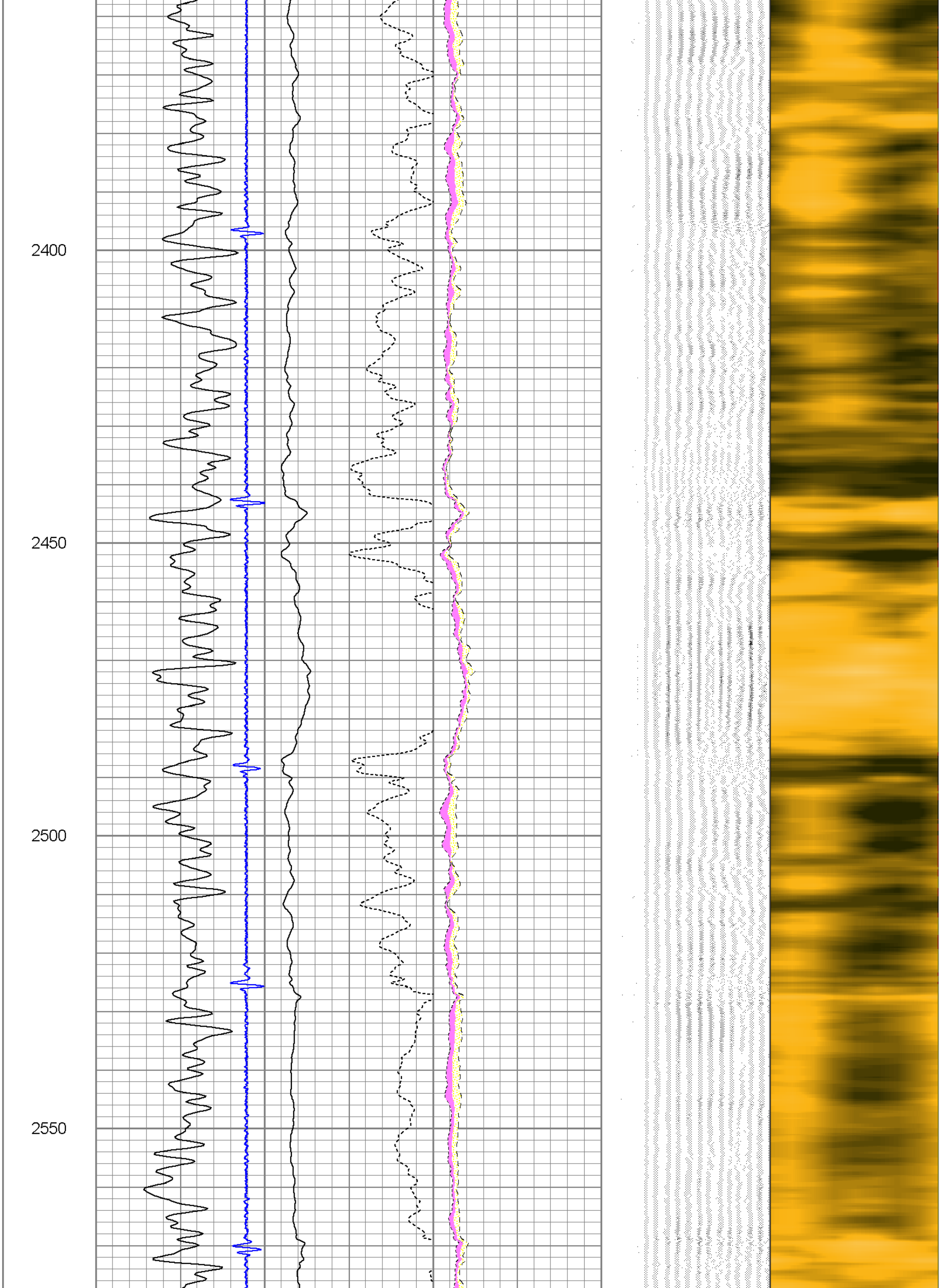
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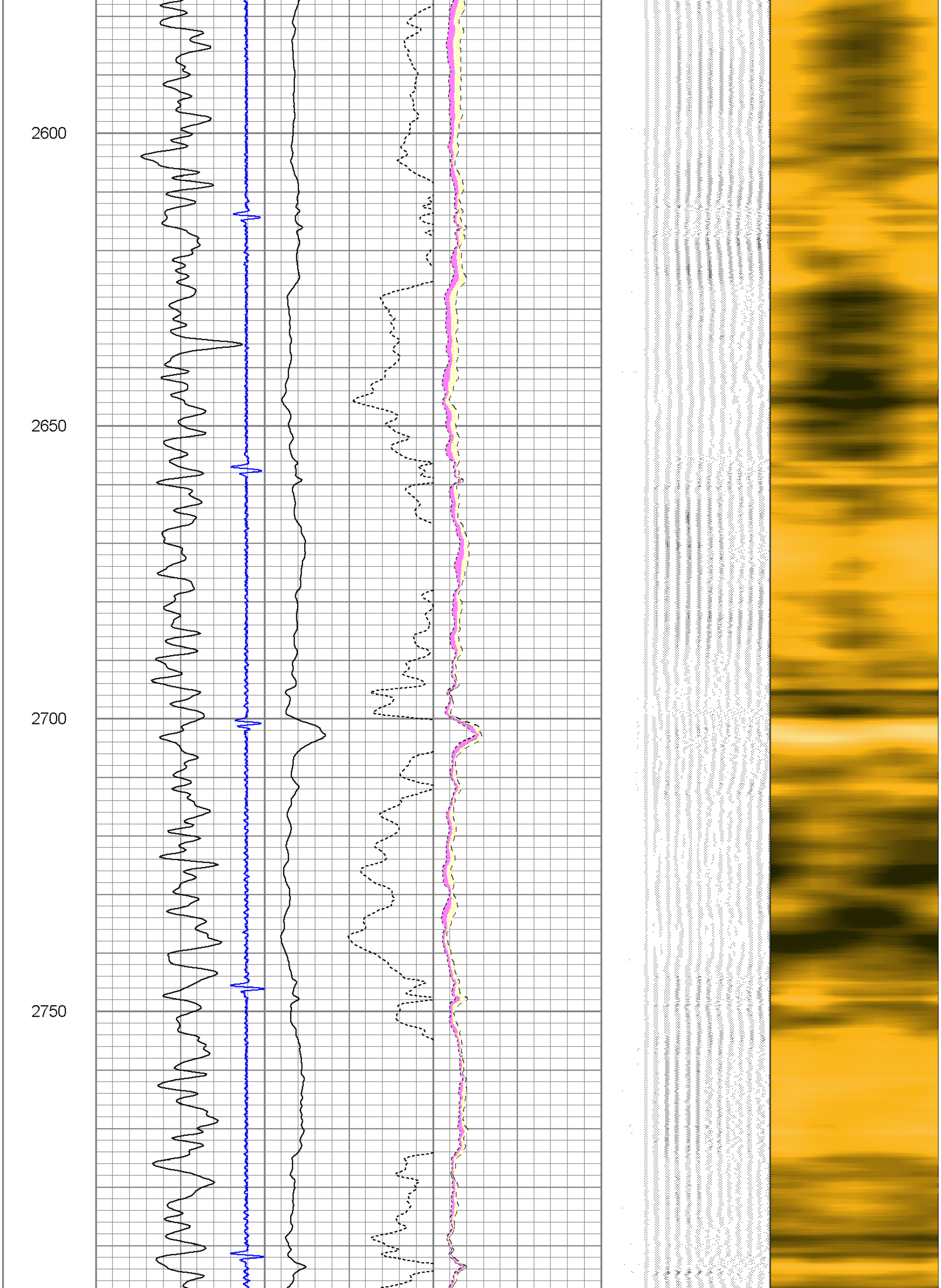
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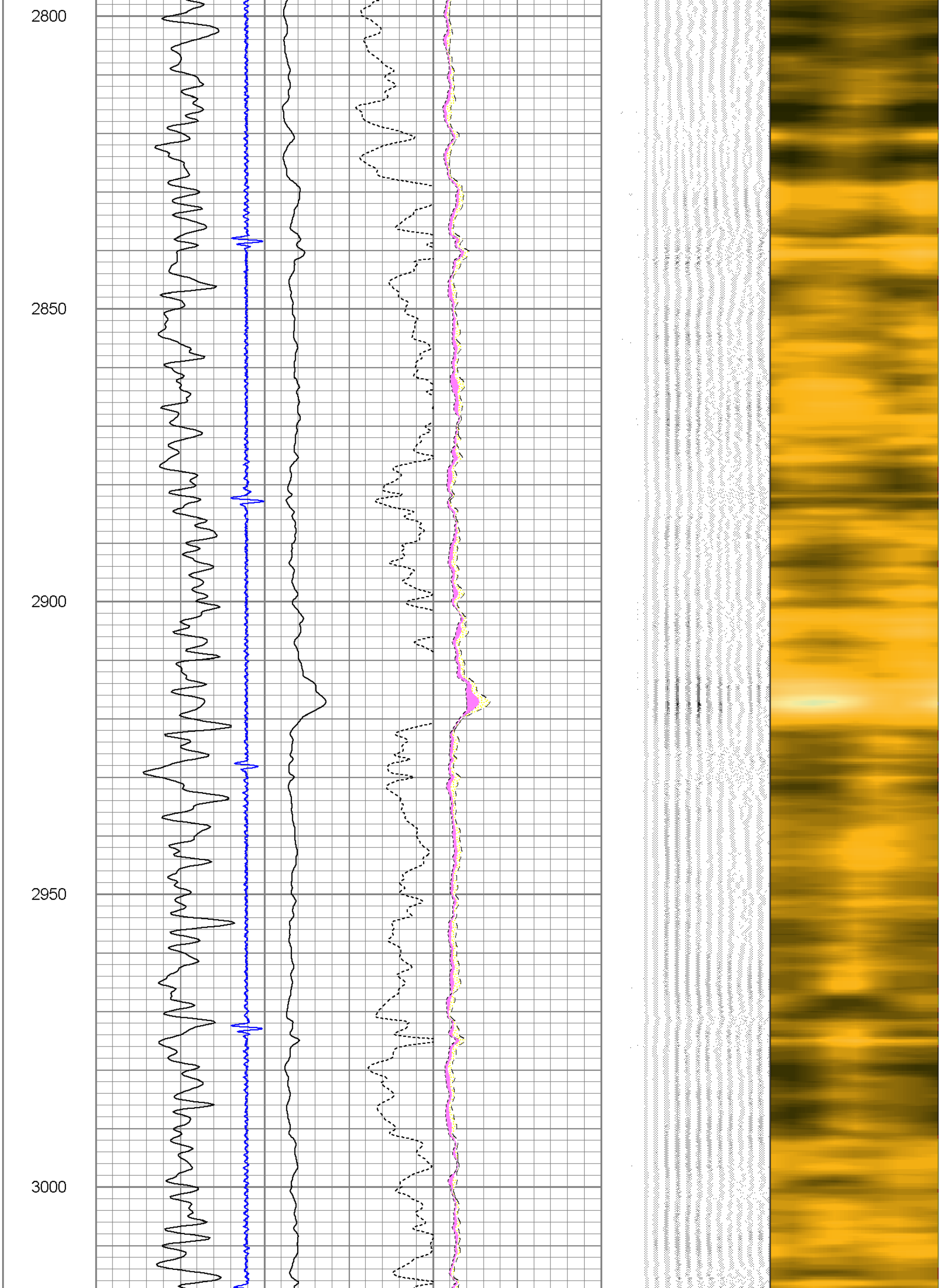
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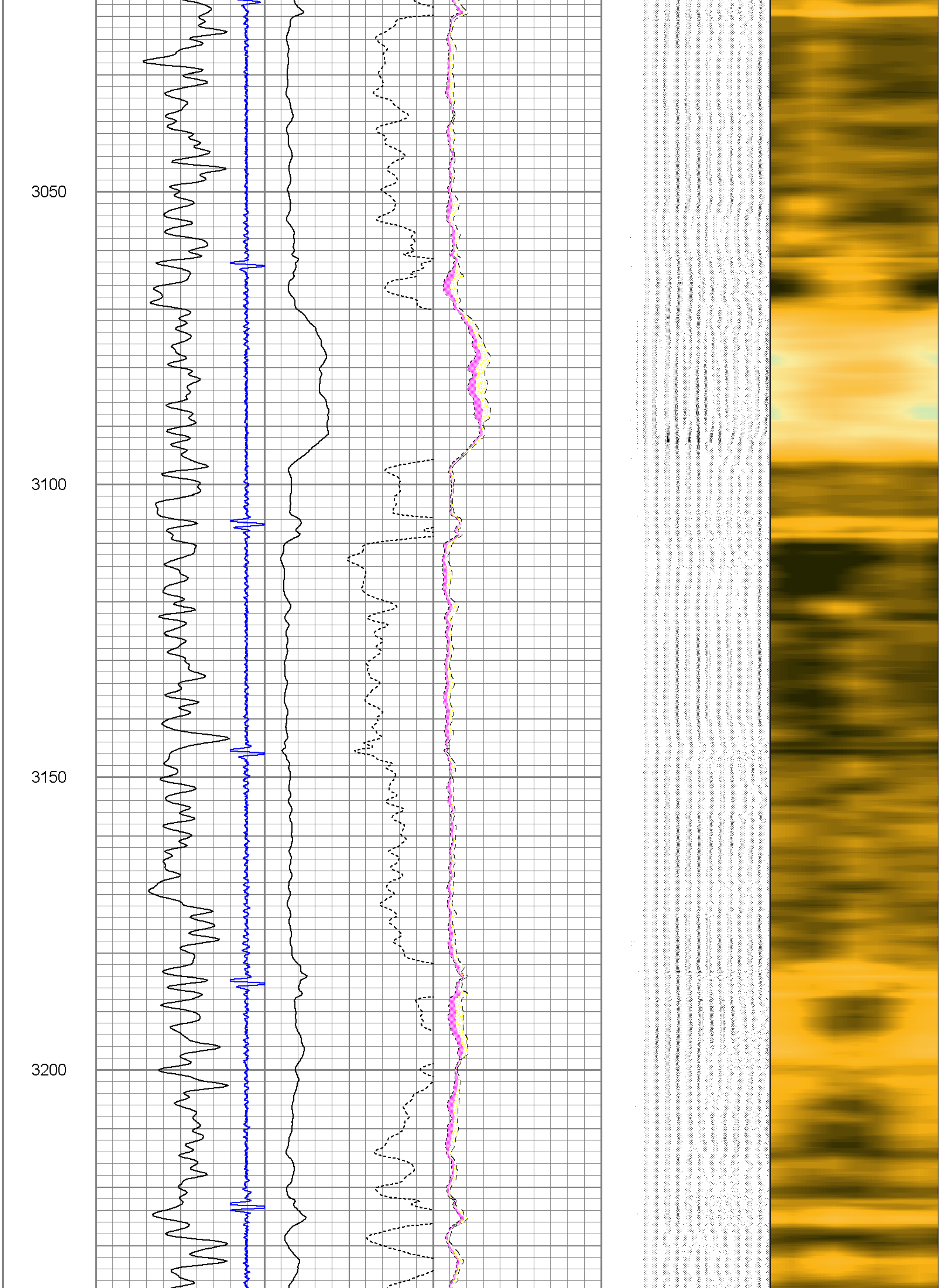
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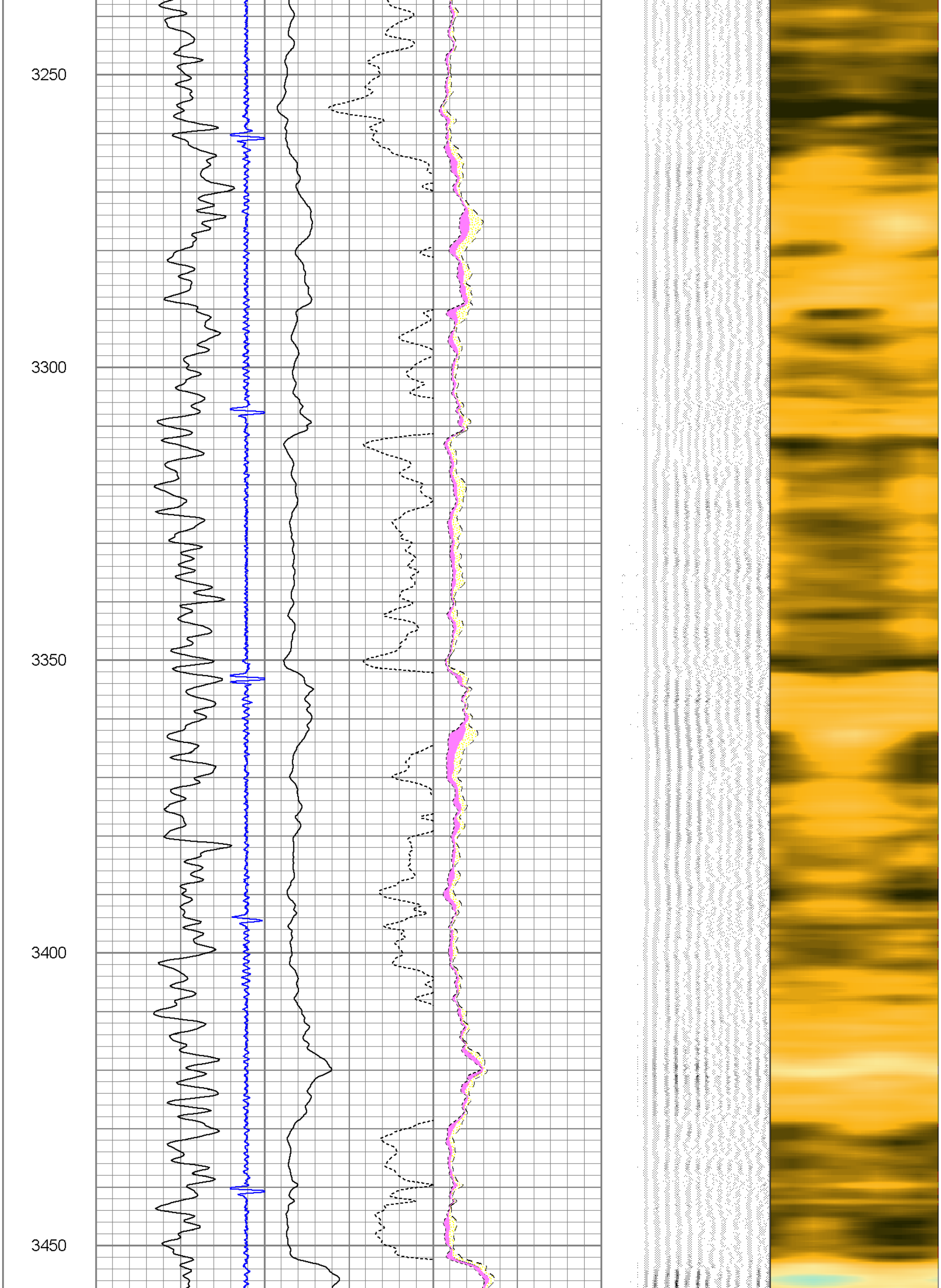
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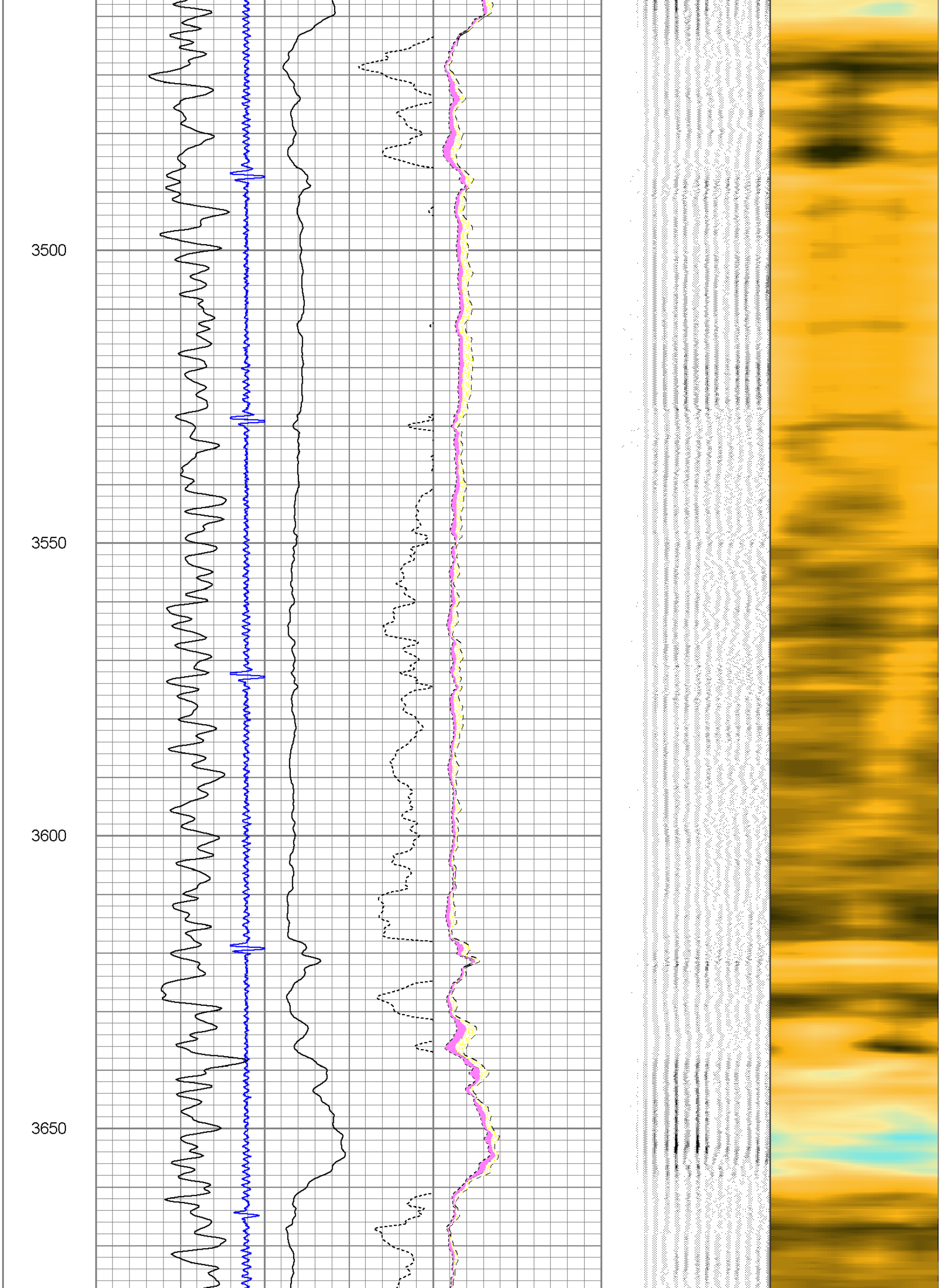
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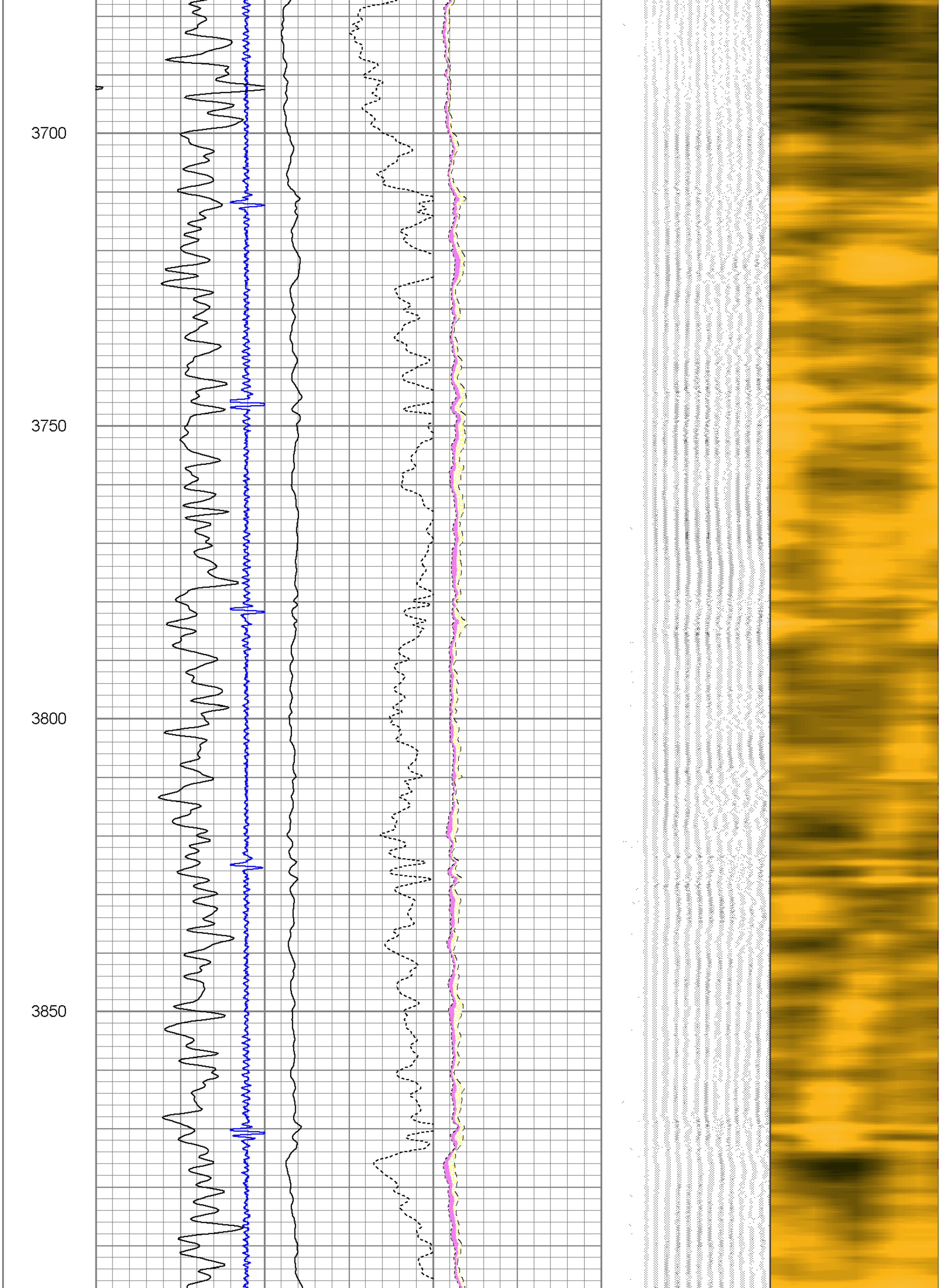
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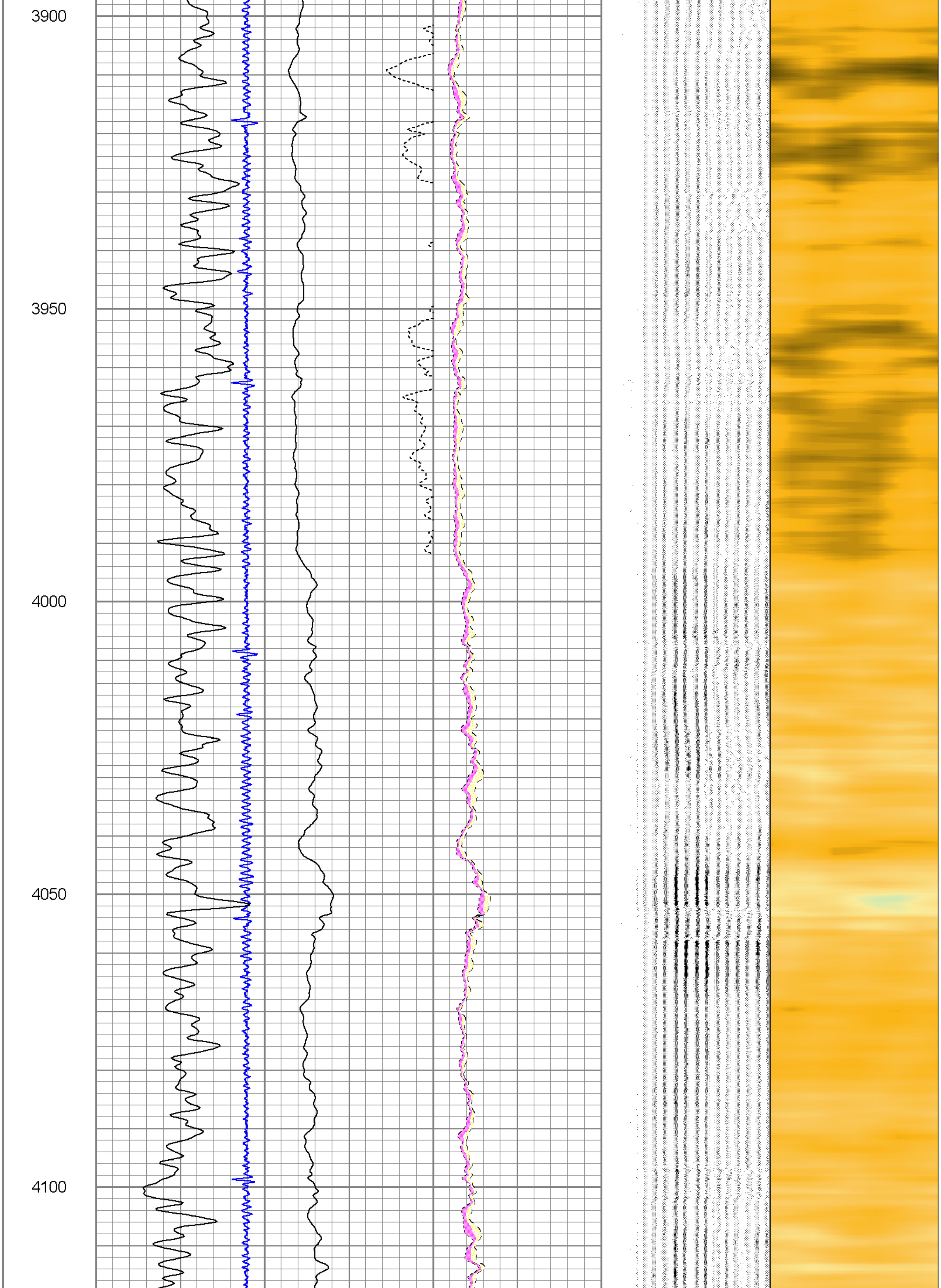
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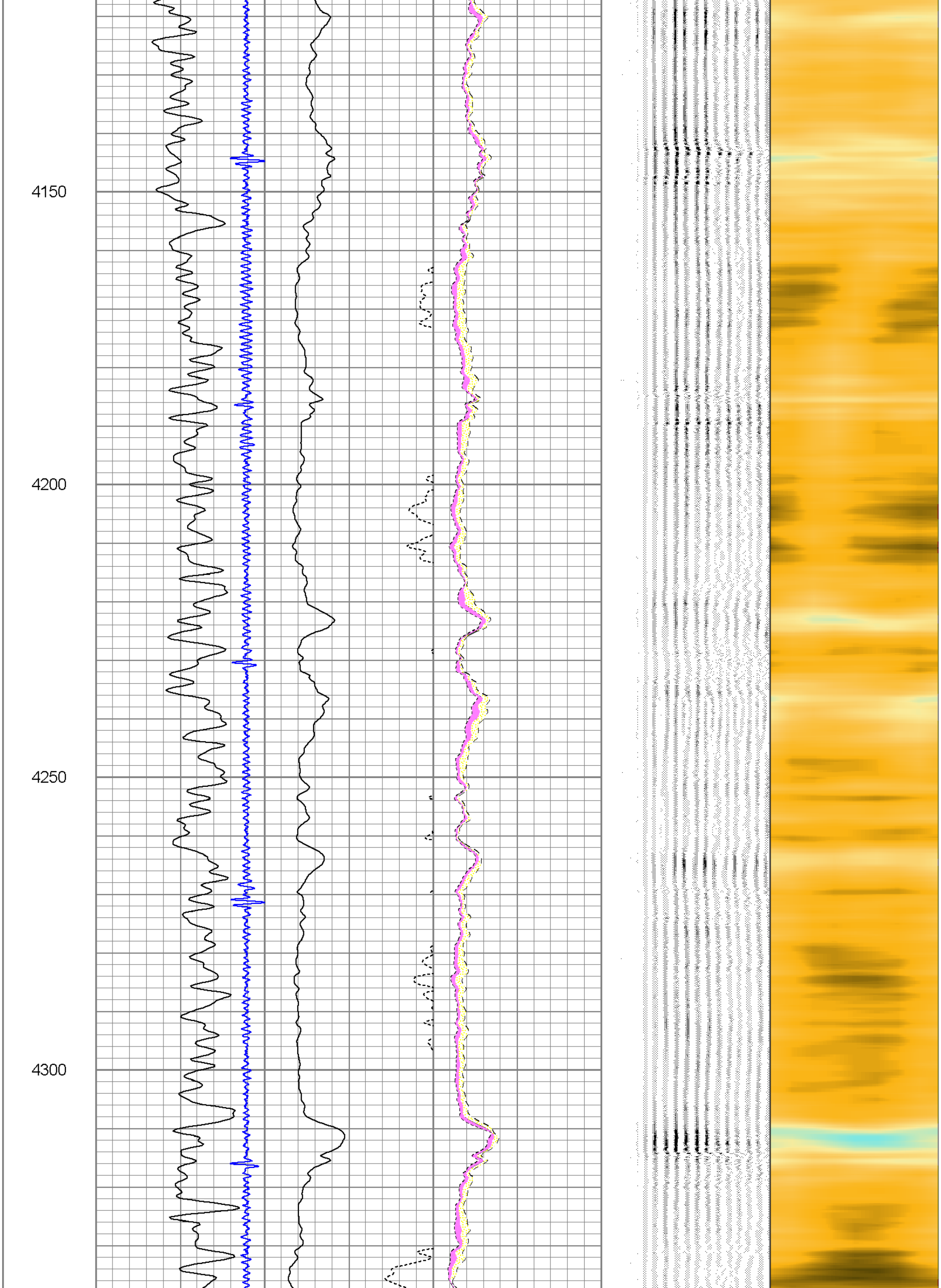
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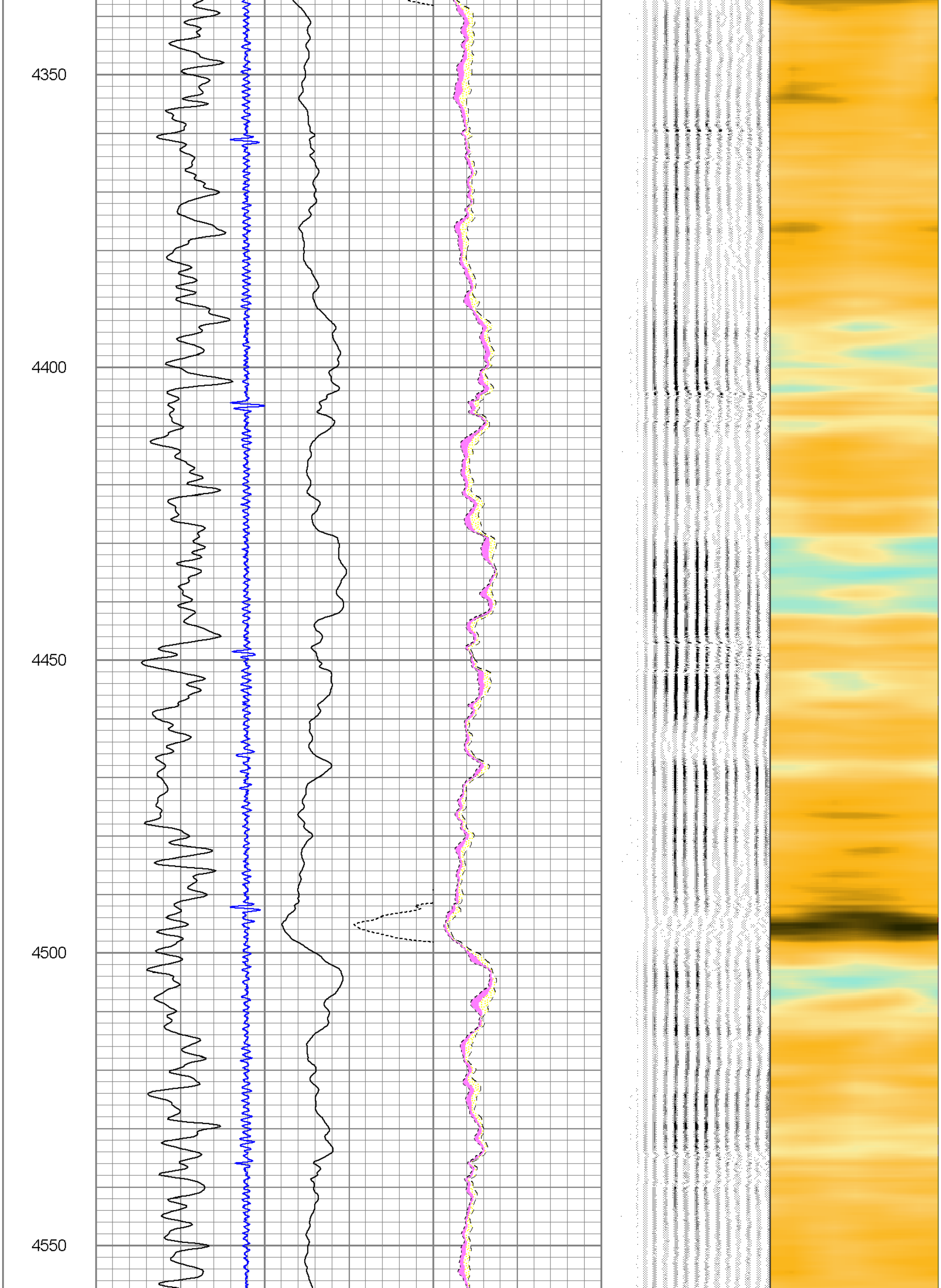

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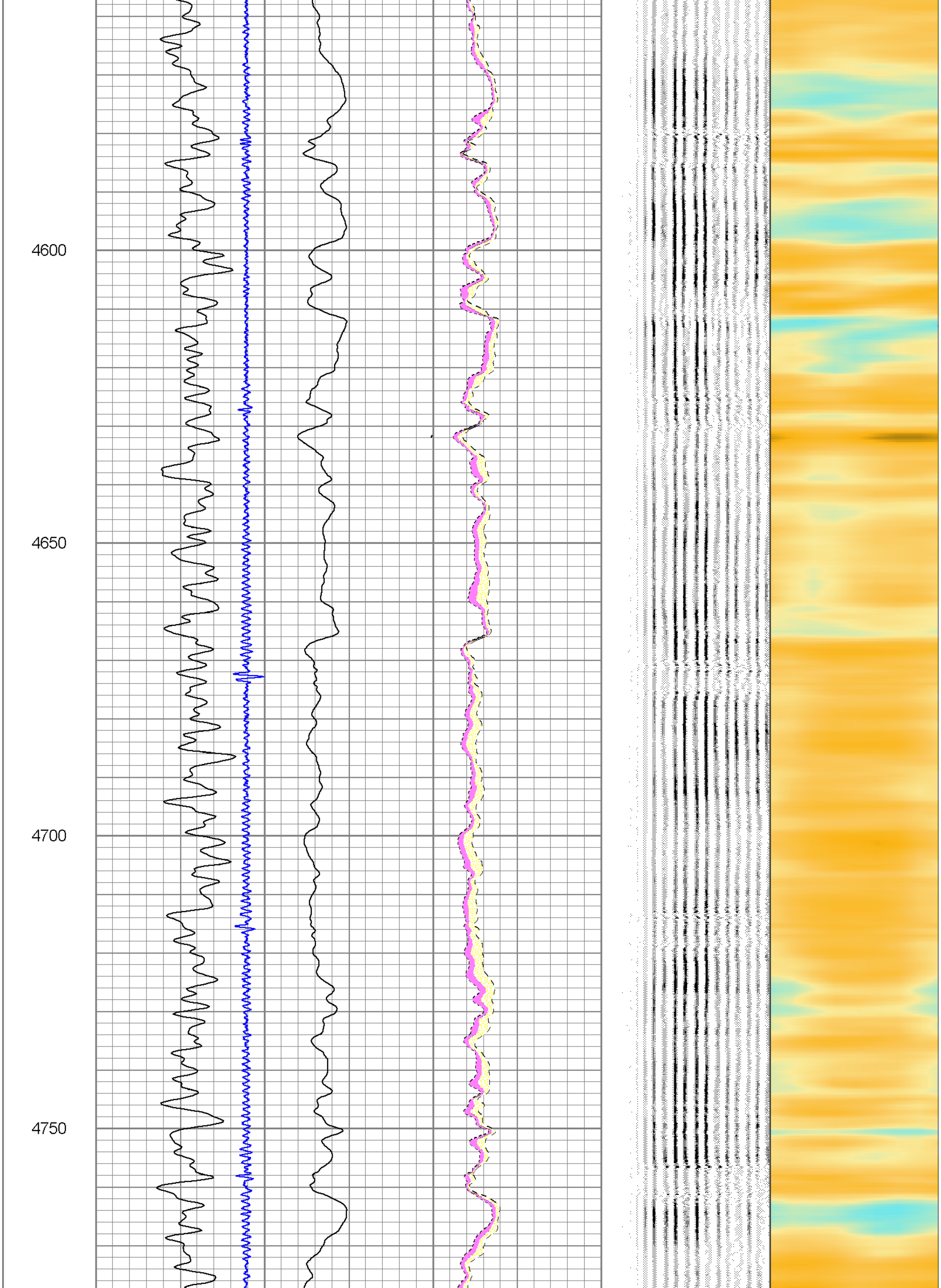
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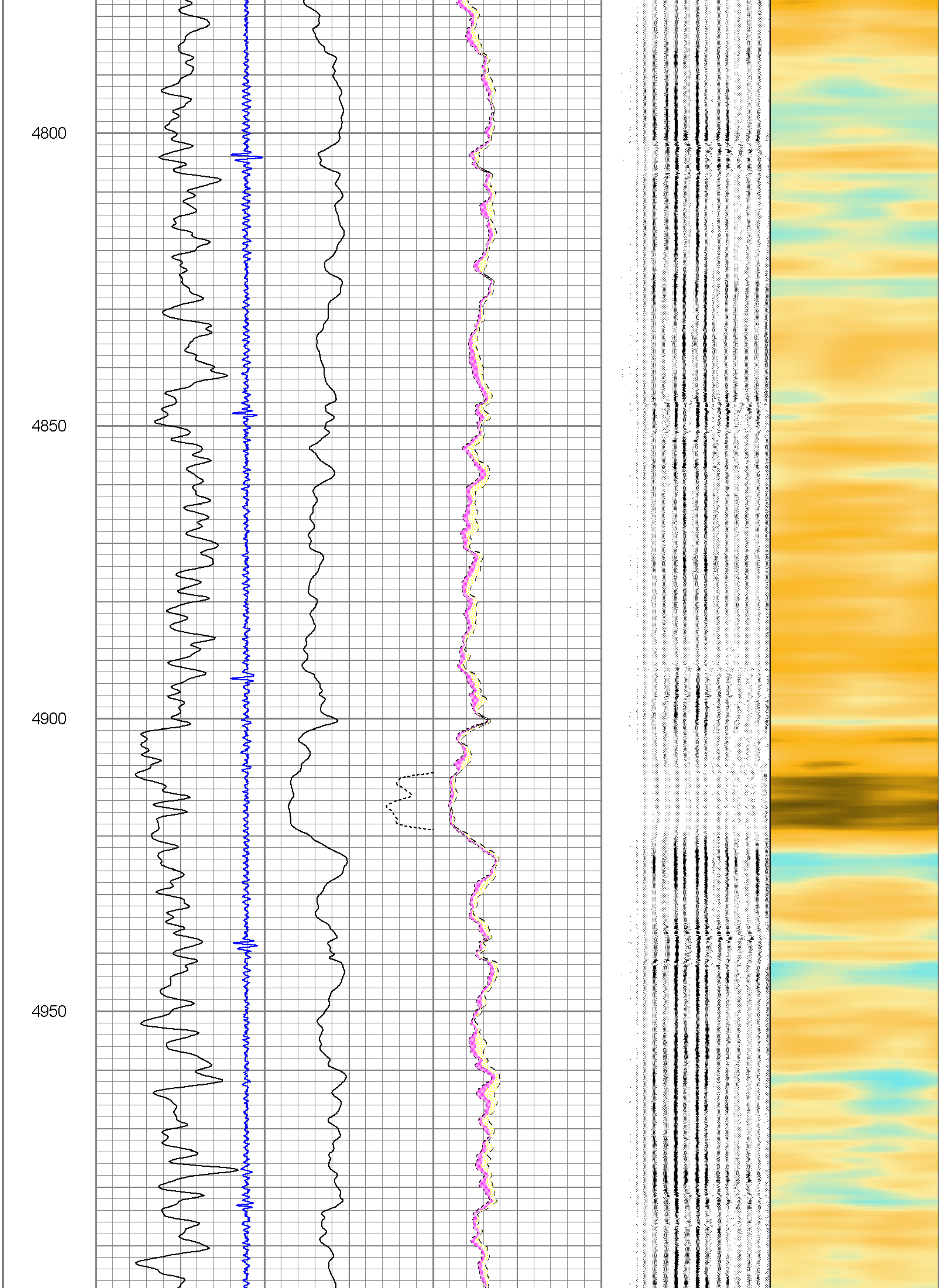
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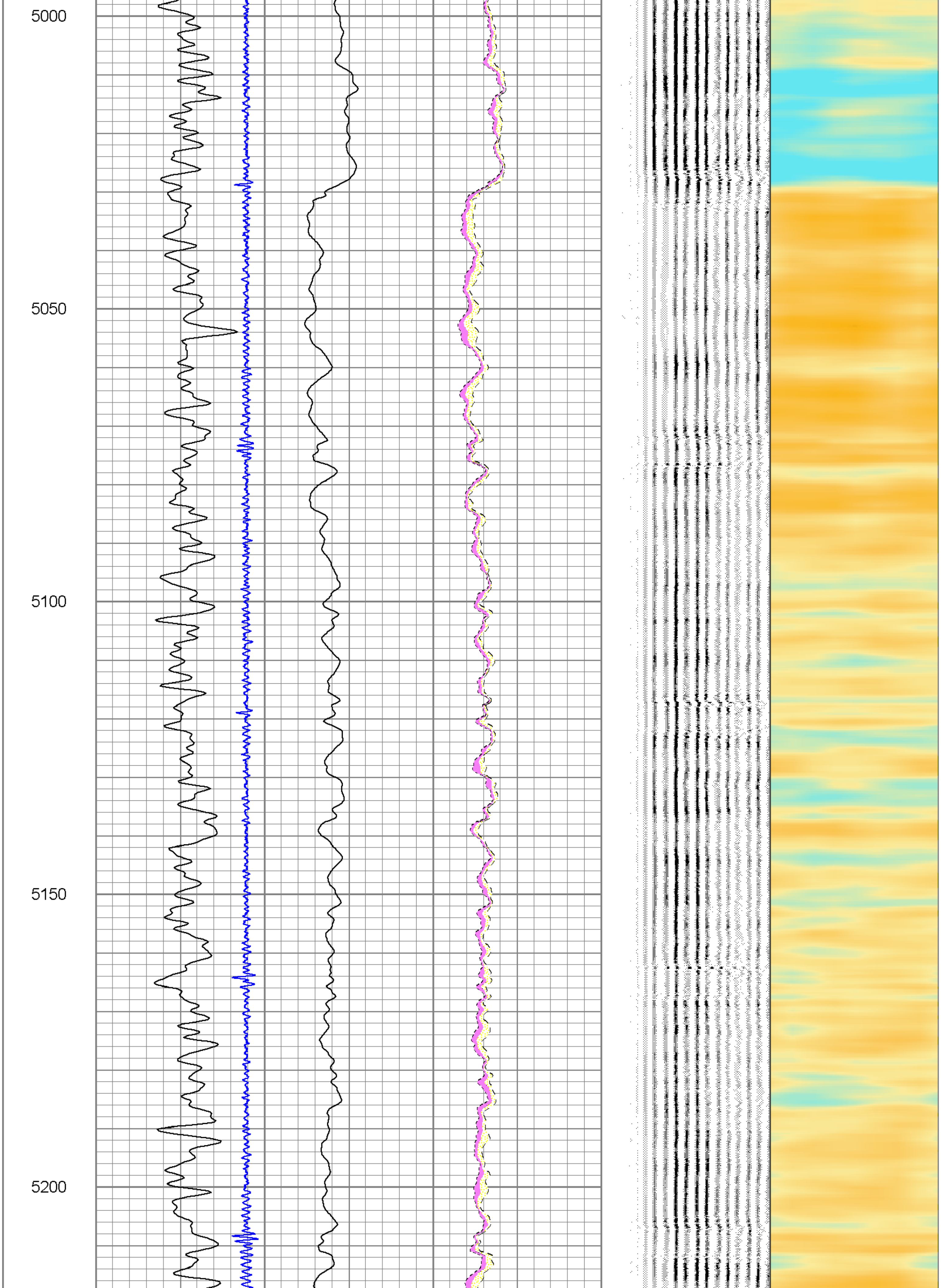
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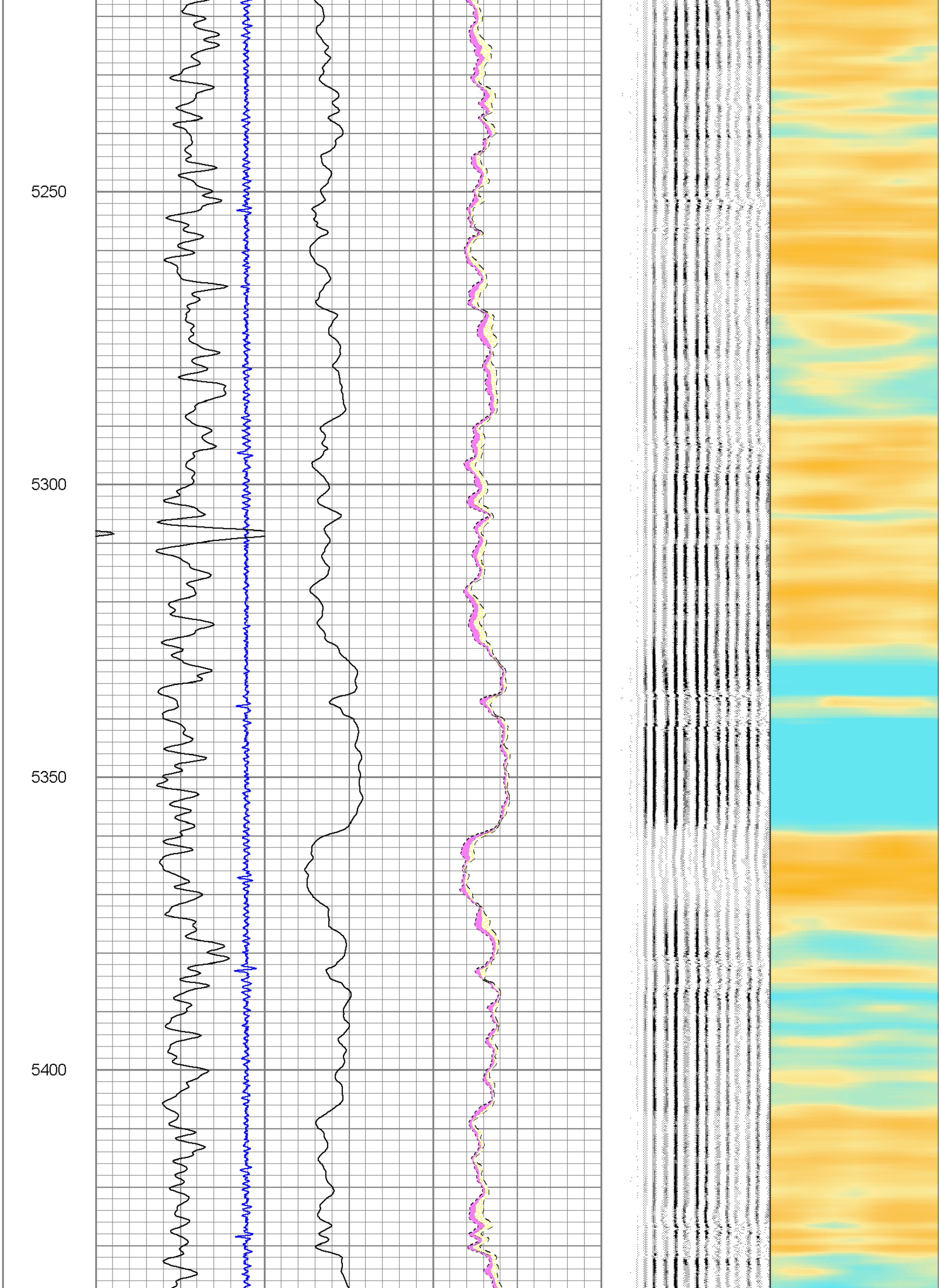
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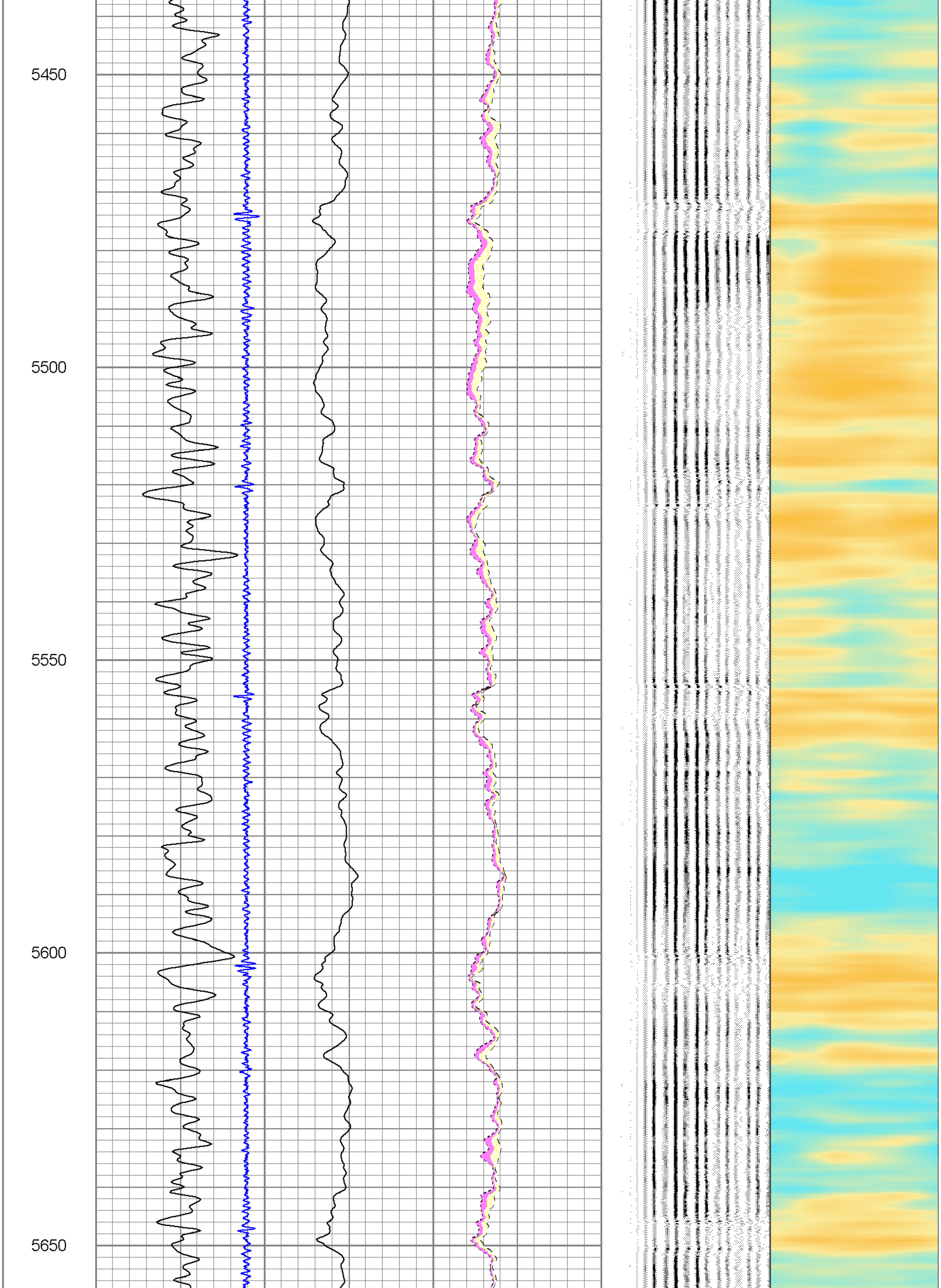
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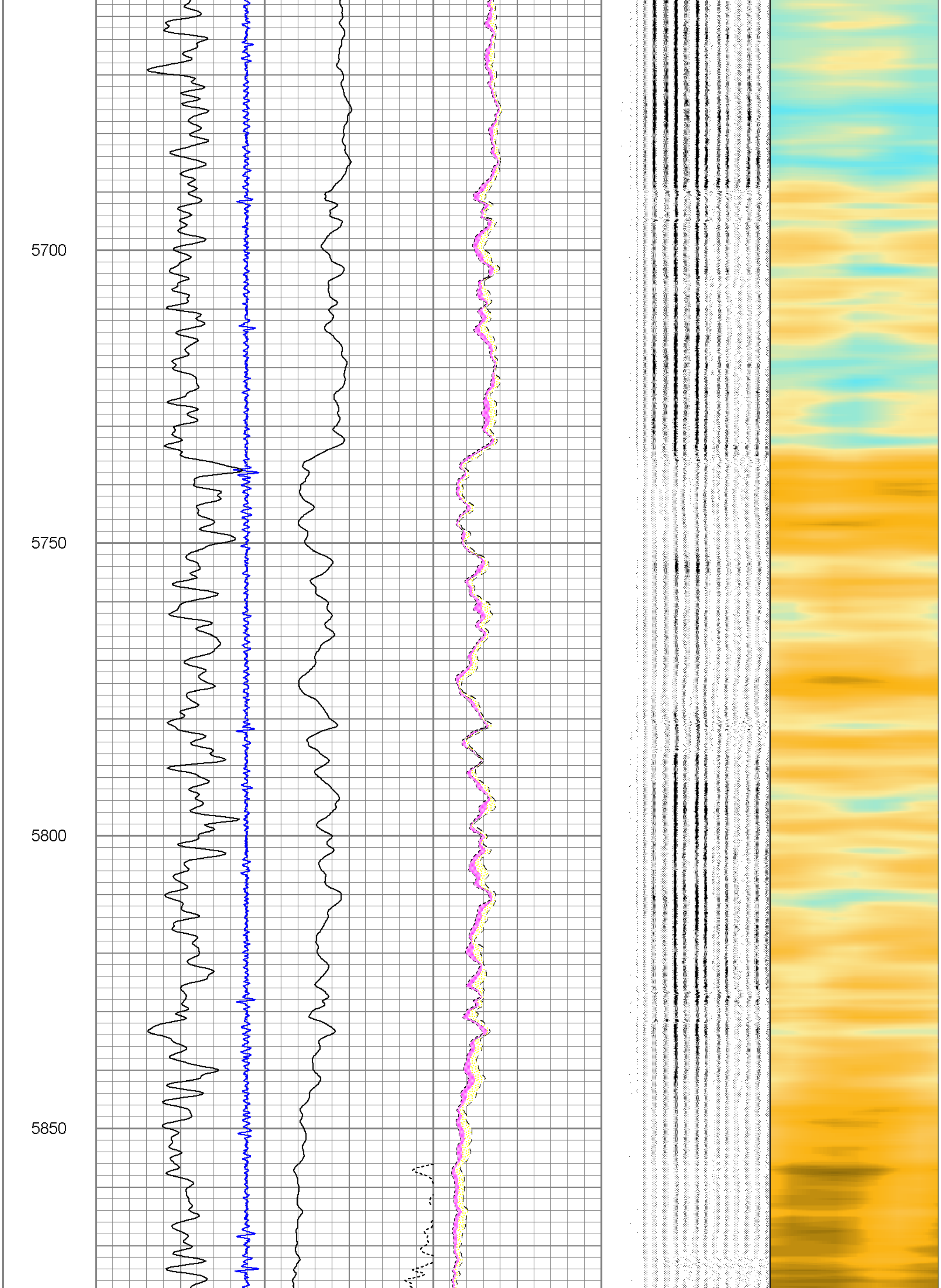
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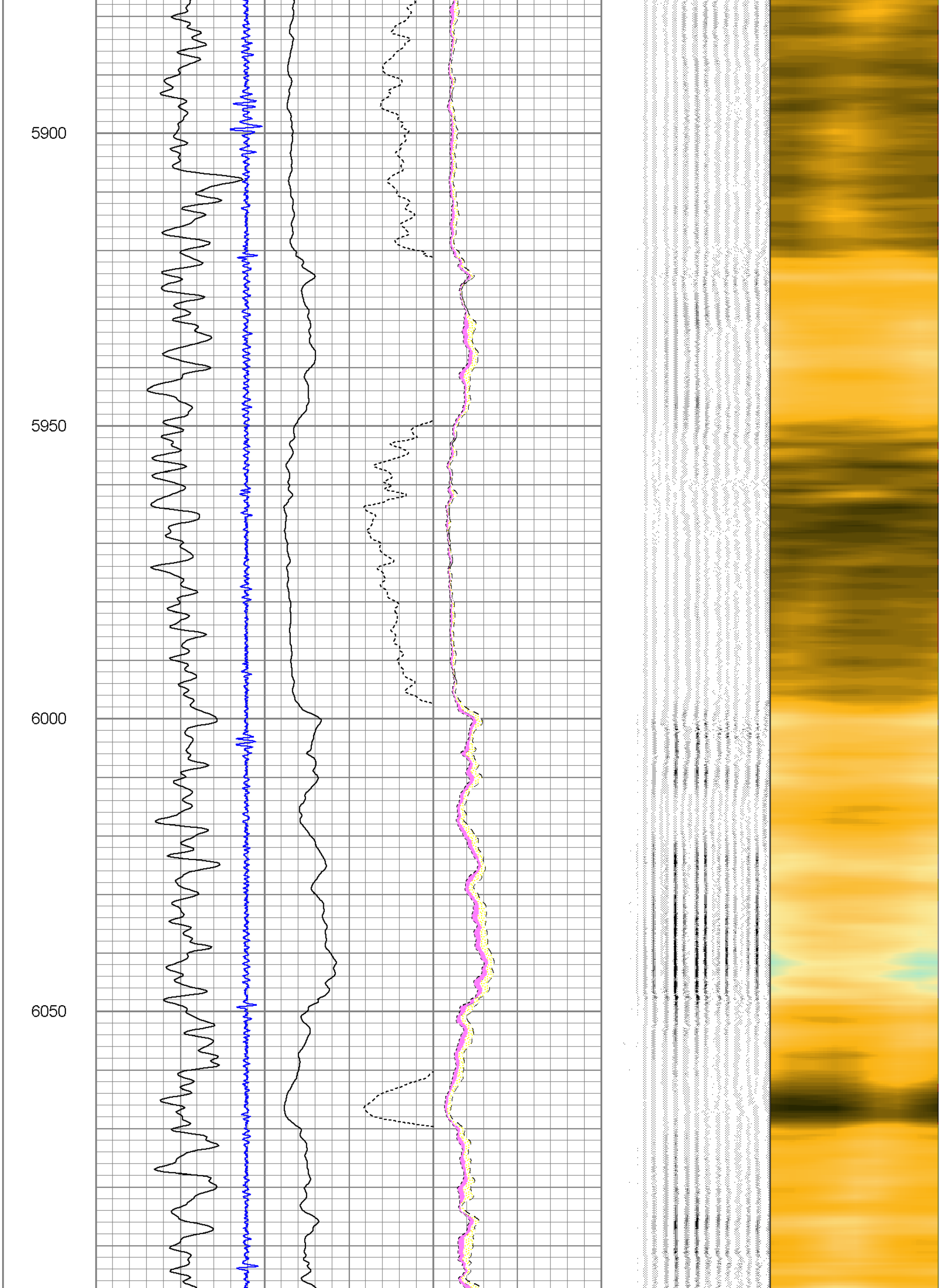
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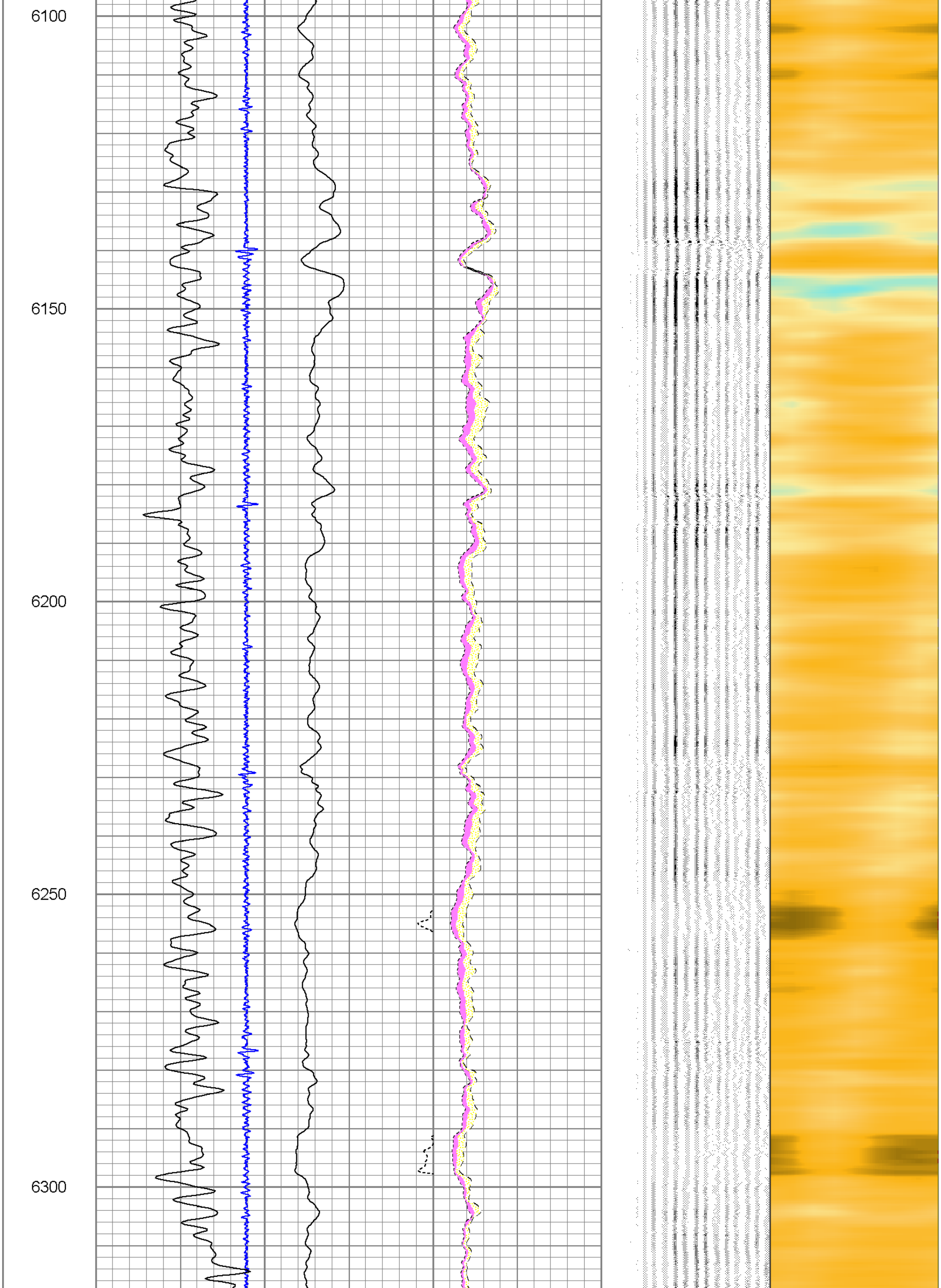
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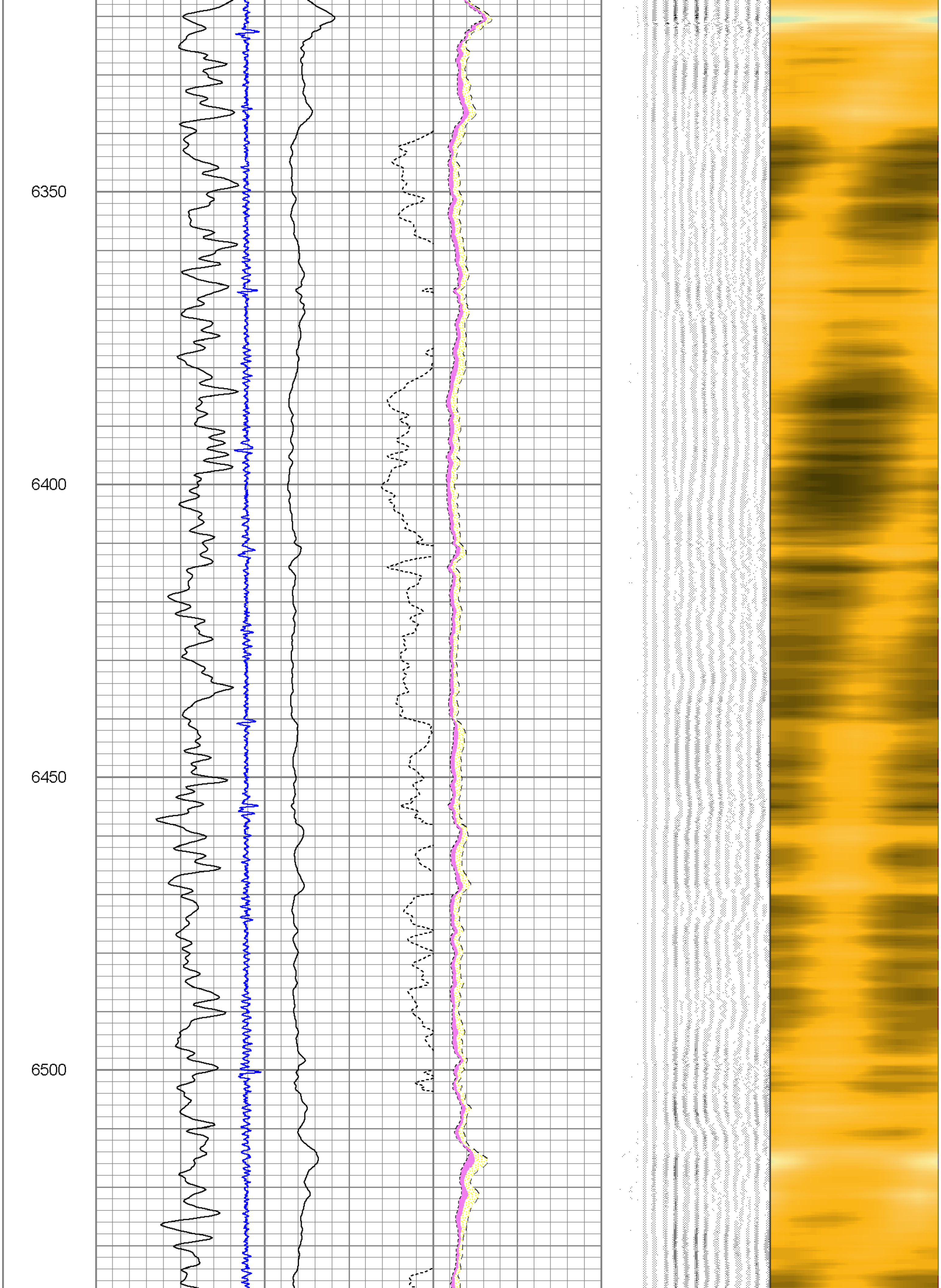
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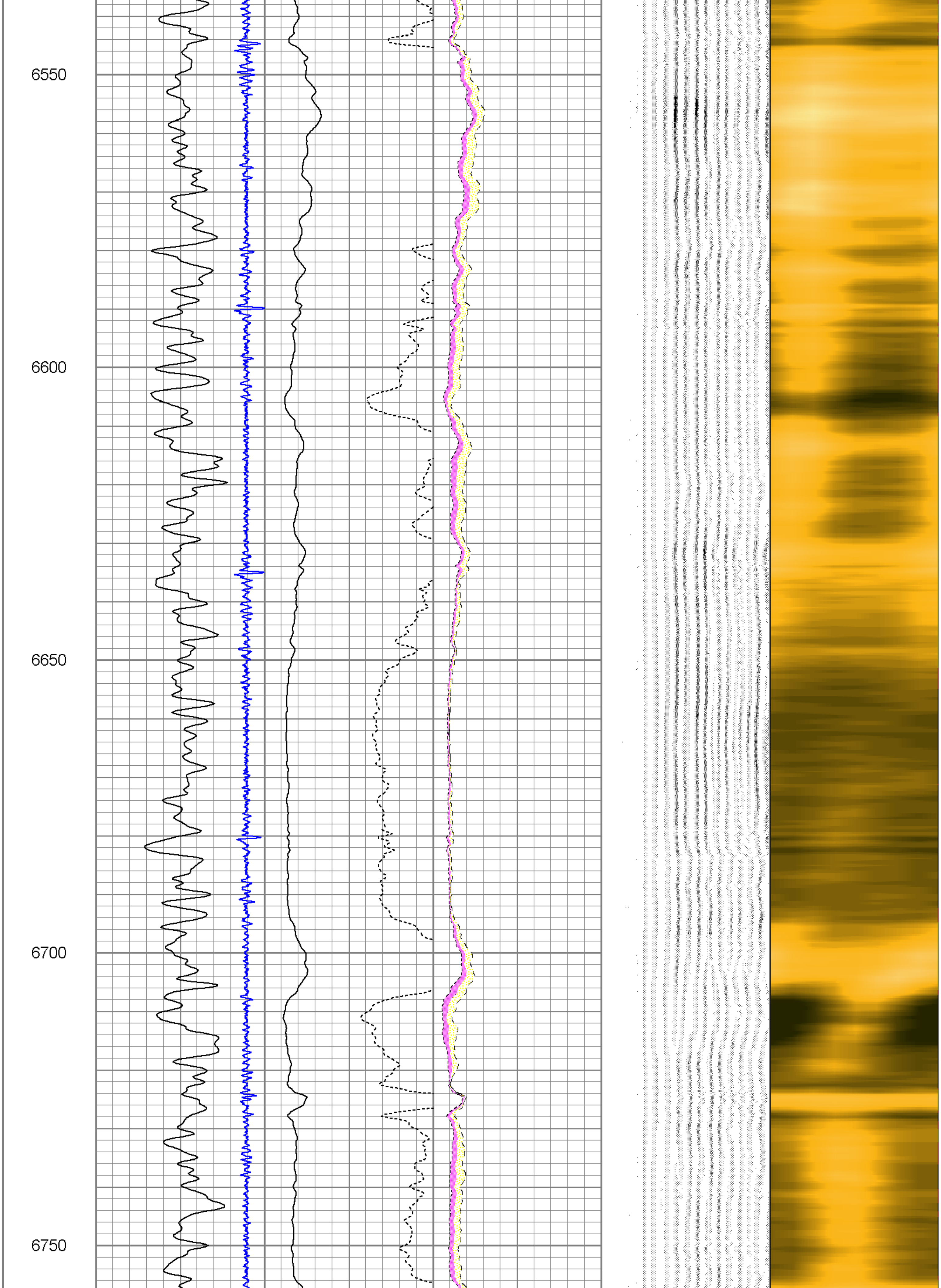
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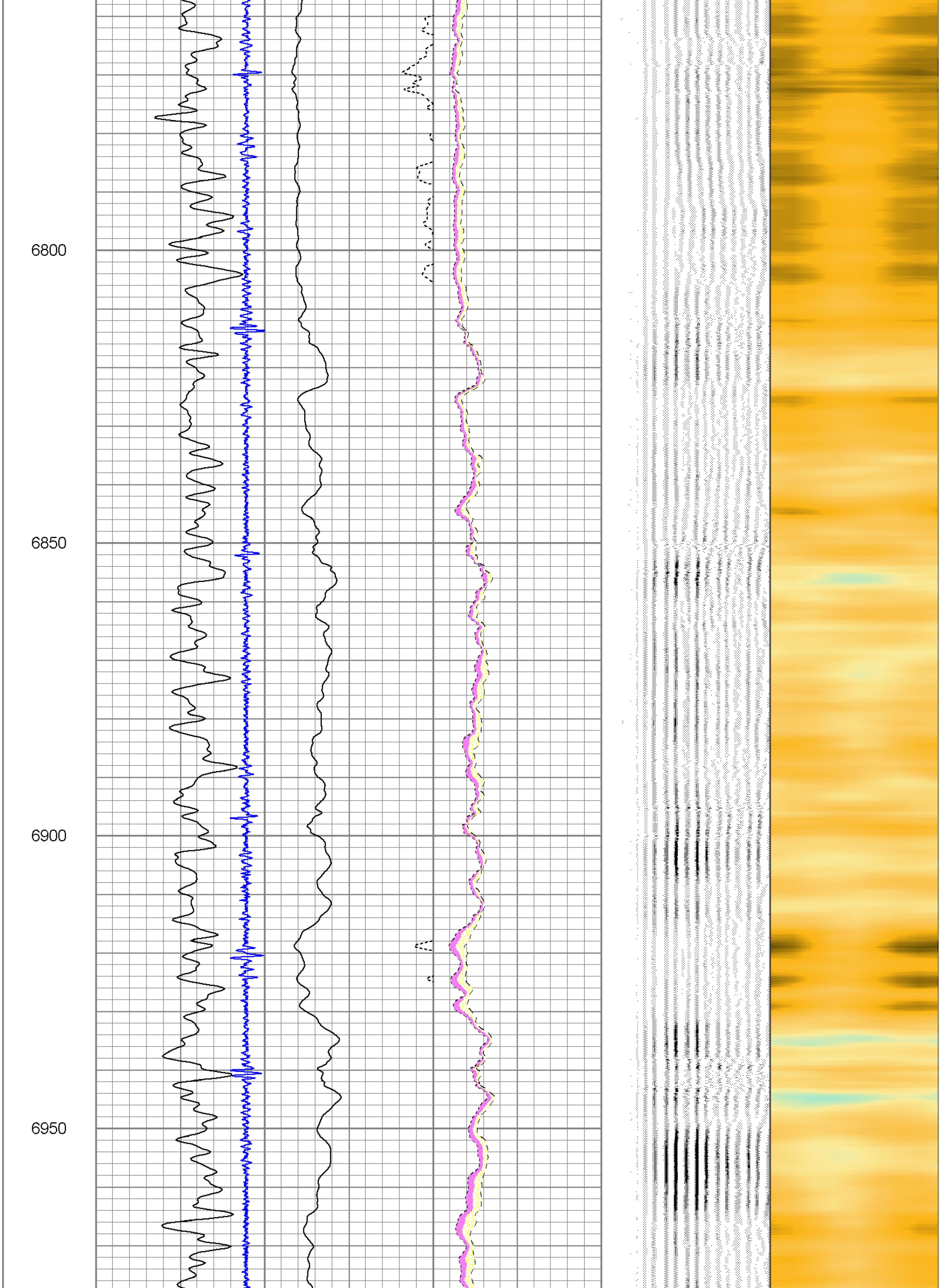
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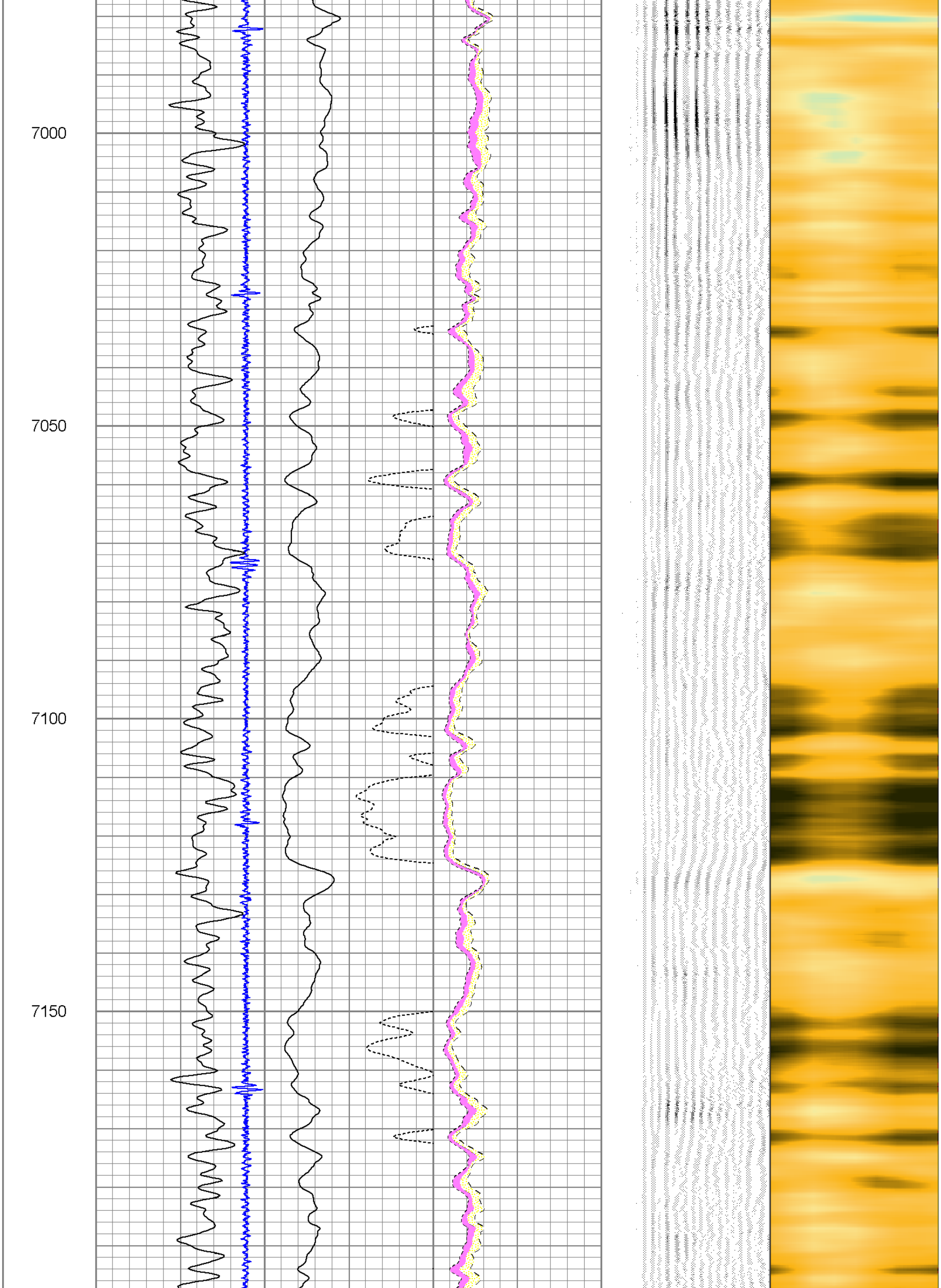
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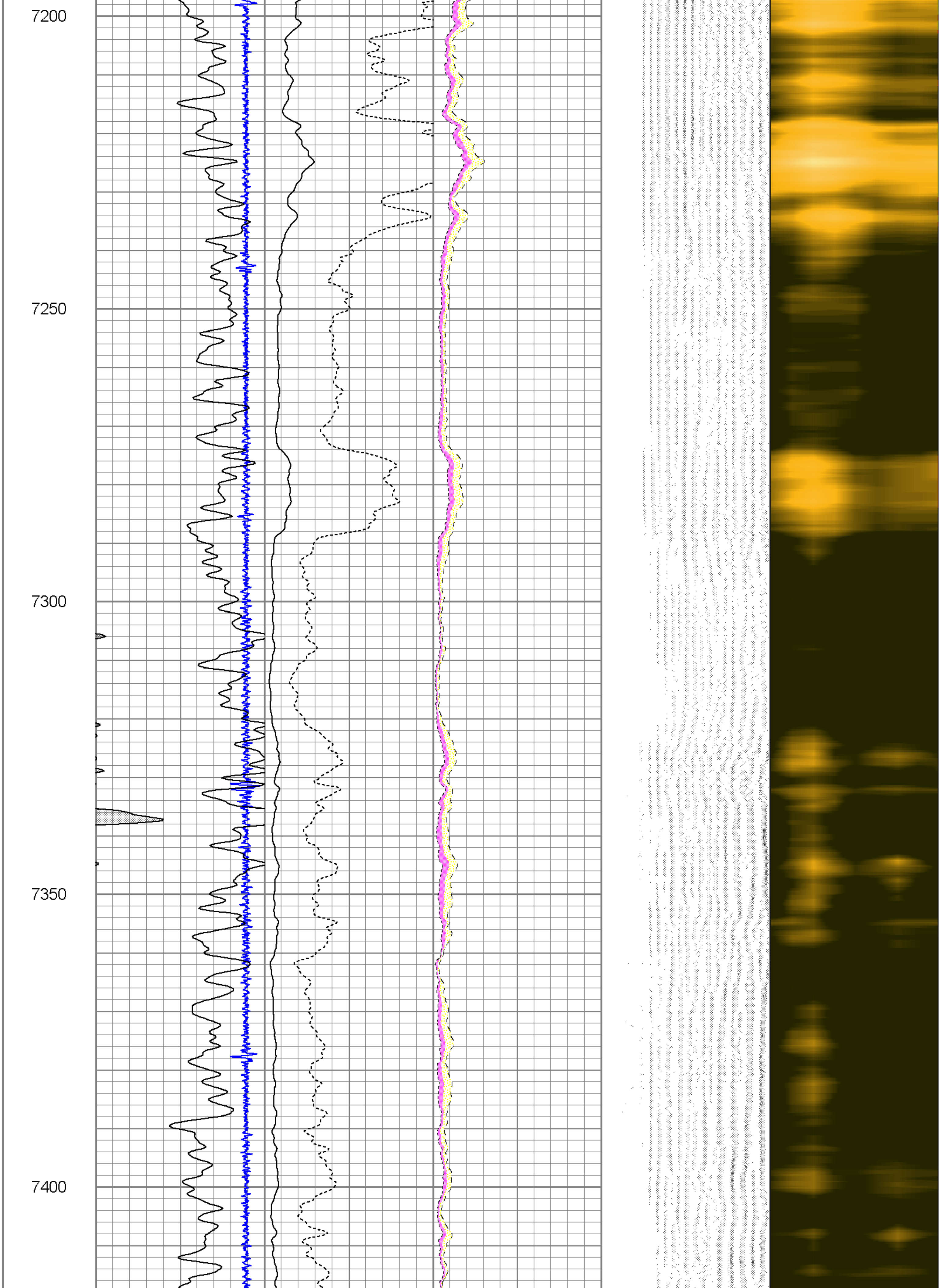
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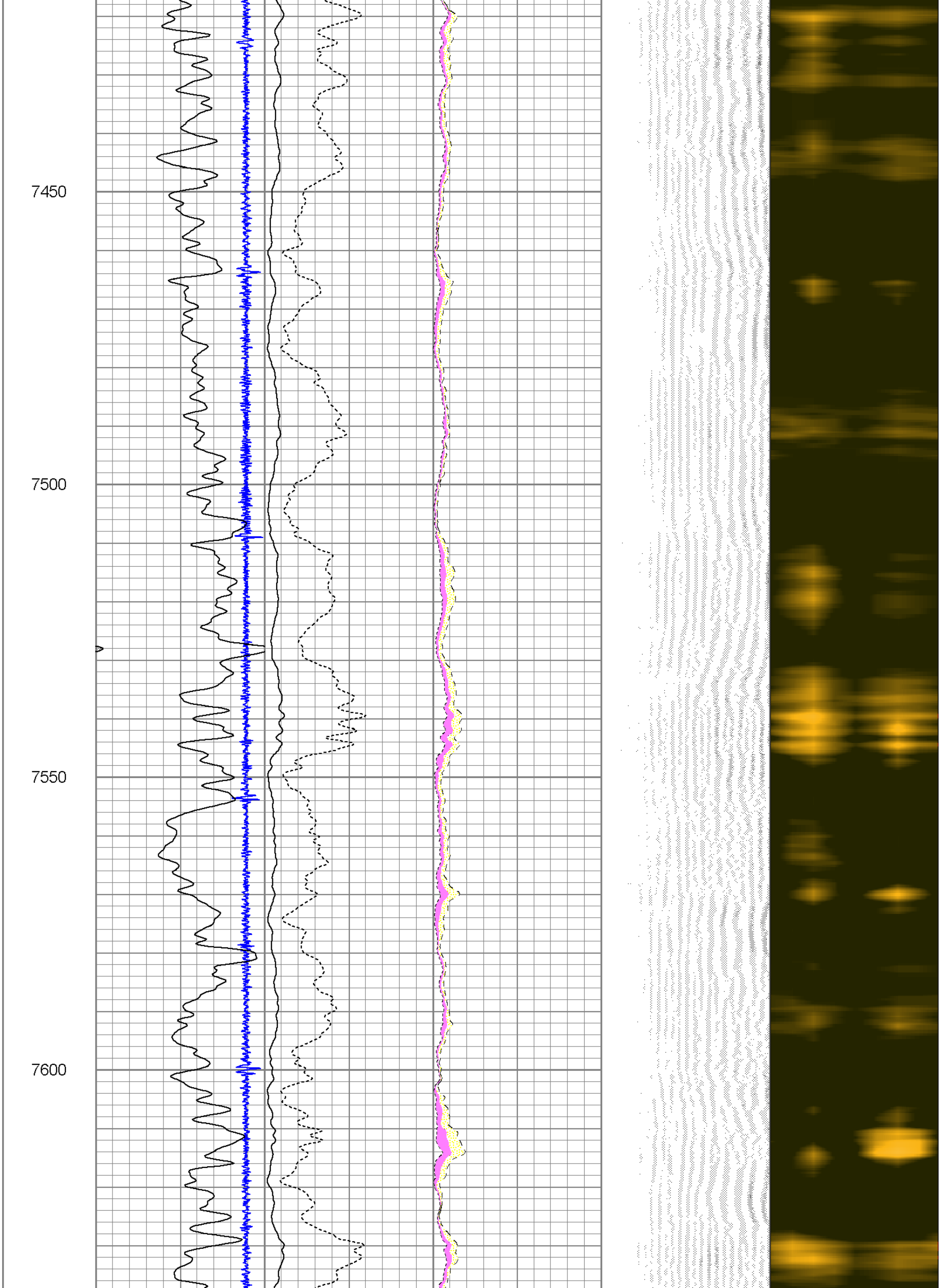
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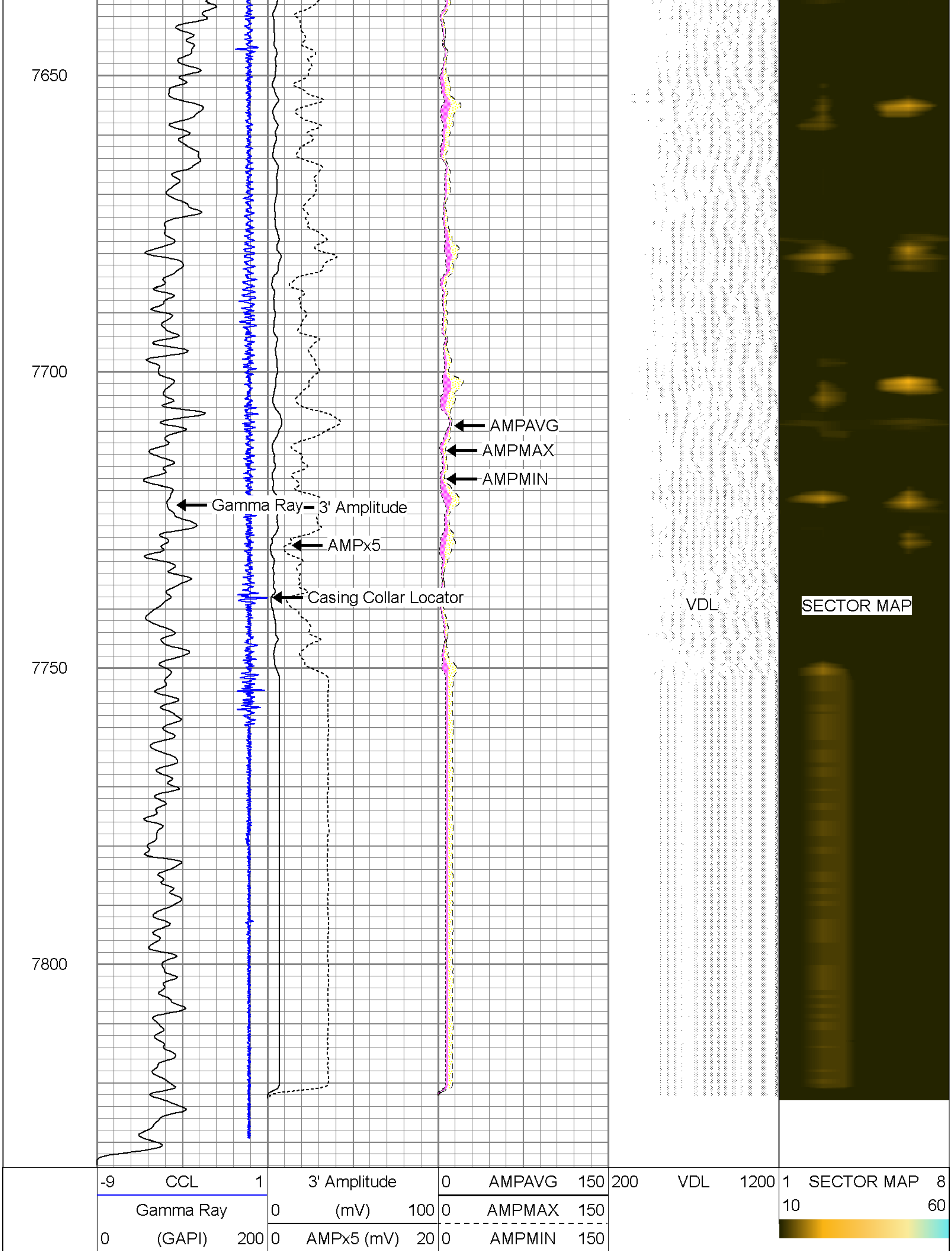
7650
7700
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AMPAVG
AMPMAX
AMPMIN
Gamma Ray
3' Amplitude
AMPx5
Casing Collar Locator
VDL
SECTOR MAP
-9 CCL 1
Gamma Ray
0 (GAPI) 200
3' Amplitude
0 (mV) 100
0 AMPx5 (mV) 20
0 AMPAVG 150
0 AMPMAX 150
0 AMPMIN 150
200 VDL 1200
1 SECTOR MAP 8
10 60

MAIN PASS

Calibration Report

Database File:	jillson-east_rinn_3e-22h-m268_0512339631.db
Dataset Pathname:	pass1
Dataset Creation:	Sun Aug 10 01:08:12 2014 by Log 7.0 B1

Temperature Calibration Report

Serial Number:	0001	
Tool Model:	1.375TEMP	
Performed:	Mon Jun 23 08:05:16 2014	
	Reference	Reading
Low Reference:	56.00 degF	596.00 cps
High Reference:	100.00 degF	1200.00cps
Gain:	0.07	
Offset:	12.58	
Delta Spacing	2	

Gamma Ray Calibration Report

Serial Number:	111205	
Tool Model:	Probe	
Performed:	Sun Jun 13 13:33:21 1993	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	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:	192.674	ft

Master Calibration, performed Sun Aug 10 00:35:36 2014:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.014	1.520	1.000	81.196	53.223	0.279
CAL	0.012	0.224				
5'	0.014	1.467	1.000	81.196	55.180	0.251
SUM						
S1	0.014	1.538	0.000	95.000	62.339	-0.847
S2	0.014	1.539	0.000	95.000	62.300	-0.853
S3	0.014	1.528	0.000	95.000	62.722	-0.851
S4	0.014	1.513	0.000	95.000	63.338	-0.860
S5	0.014	1.506	0.000	95.000	63.636	-0.861
S6	0.014	1.499	0.000	95.000	63.969	-0.869
S7	0.014	1.511	0.000	95.000	63.435	-0.862
S8	0.014	1.524	0.000	95.000	62.879	-0.853

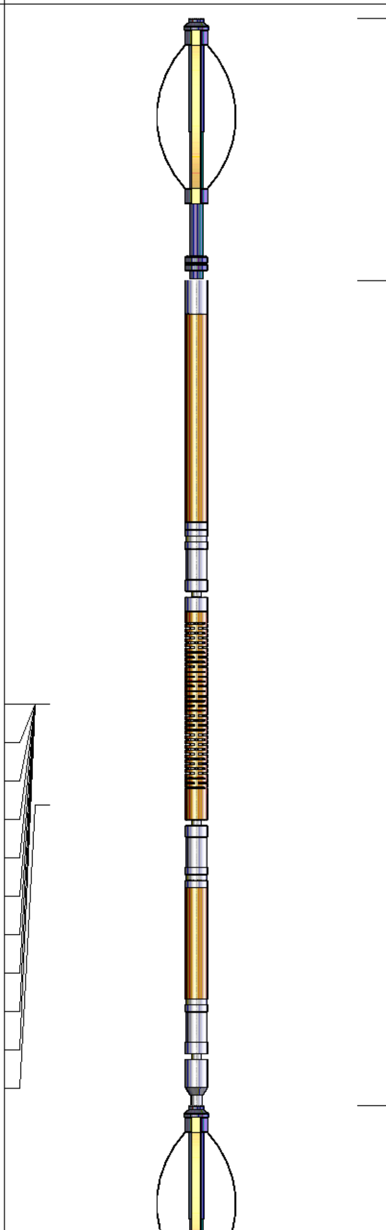
Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

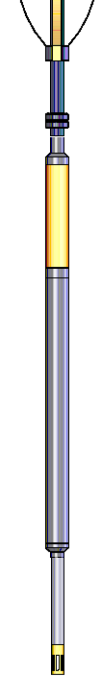
Internal Reference Calibration, performed Wed Aug 21 11:08:58 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.012	0.224	1.000	0.000

Air Zero Calibration, performed Mon Dec 09 06:54:41 2013:

	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

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			PTS275	2.83	2.75	
WVF3FT	12.96		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	12.96					
WVFS1	12.96					
WVFS2	12.96					
WVFS3	12.96					
WVFS4	12.96					
WVFS5	12.96					
WVFS6	12.96					
WVFS7	12.96					
WVFS8	12.96					
WVF5FT	11.88					



		PTS275	2.83	2.75	
CCL	4.88				
		GR_CCL-Probe (111205) Probe Gamma CCL	4.54	2.75	100.00
GR	2.15				
TEMP	0.08	TEMP-1.375TEMP (0001) Temperature Tool	1.25	1.38	30.00

Dataset: jillson-east_rinn_3e-22h-m268_0512339631.db: field/well/run1/pass1
Total Length: 20.38 ft
Total Weight: 220.00 lb
O.D. 2.75 in