

RCBL
GAMMA RAY / CCL

Company HIGHPOINT RESOURCES
Well FOX CREEK 34-0164B
Field HEREFORD
County WELD State COLORADO

Location: API # : 05-123-49947-00
SHL: 1155' FNL 1011' FWL
NWNW
SEC 34 TWP 12N RGE 63W
Permanent Datum GL Elevation 5450.8'
Log Measured From GL
Drilling Measured From KB

Other Services
NONE

Date 07 AUG. 2020

Run Number	1
Depth Driller	18018.2'
Depth Logger	7860'
Bottom Logged Interval	7860'
Top Log Interval	SERFACE
Open Hole Size	8.75"
Type Fluid	H2O
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	2850'
Time Well Ready	12:30
Time Logger on Bottom	14:00
Equipment Number	216
Location	GREELEY, CO.
Recorded By	S. STUMP
Witnessed By	R. BEHRENDT

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Mgt/Ft	Top	Bottom
Surface String	9 5/8"	36#	0'	1546'
Prot. String	7"	23#	0'	8245.4'
Production String	4.5"	11.6#	0'	18018.2'
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.

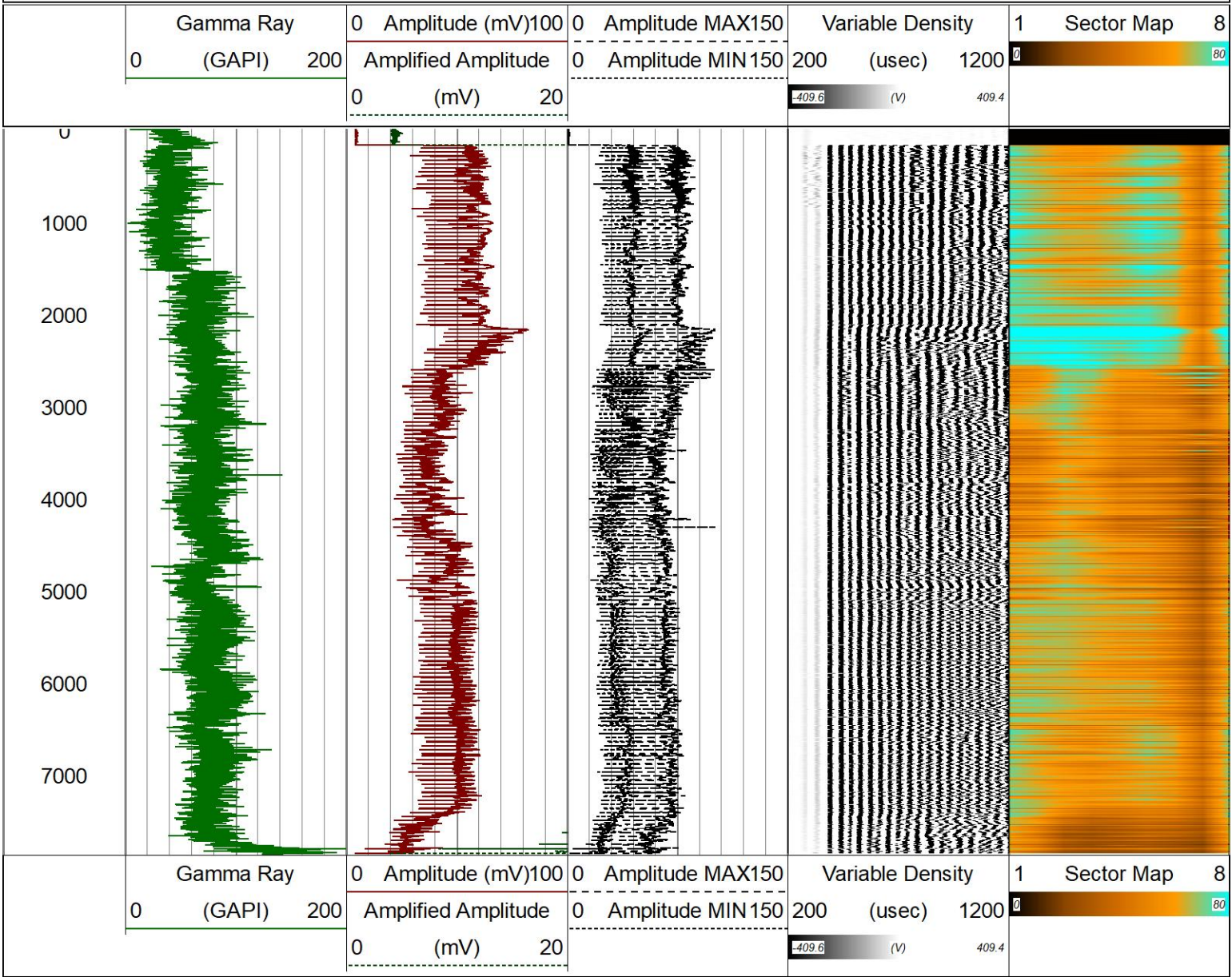
Comments

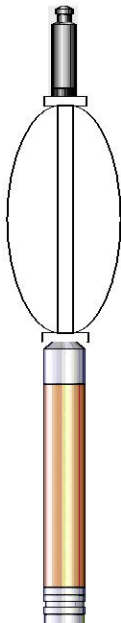
LOG CORROLATED TO 20' MARKER JOINT @ 6757' TO 6777'

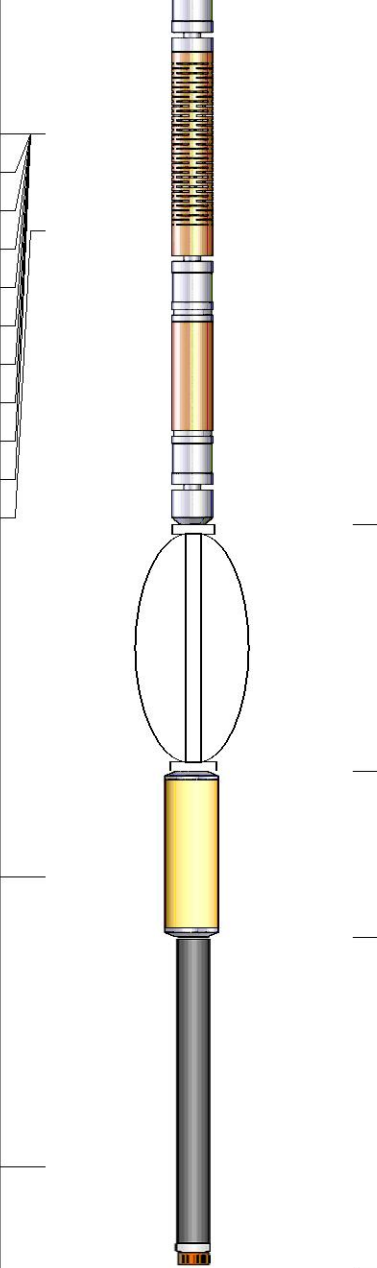
1.49' PATCH @ 7780.6 TO 7782'



QUICK LOOK



Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD Standard Cable Head	1.00	1.44	1.00
			CENT-tekco	2.73	2.75	50.00

WVFS8	12.56		RBT-Probe (DD3_9_5_8) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFS7	12.56					
WVFS6	12.56					
WVFS5	12.56					
WVFS4	12.56					
WVFS3	12.56					
WVFS2	12.56					
WVFS1	12.56					
WVFCAL	12.56					
WVF3FT	12.56					
WVF5FT	11.48					
			CENT-tekco	2.73	2.75	50.00
CCL	4.33		CCL-tecko (D3) 3.125 logging ccl	1.83	3.13	20.00
			GR-probe 2.75 (DA2)	3.67	2.75	100.00
GR	1.13					
Dataset: 90643_highpoint_foxcreek_rcbl.db: field/well/run1/MAIN Total length: 20.88 ft Total weight: 311.00 lb O.D.: 3.13 in						

Calibration Report		
Database File	90643_highpoint_foxcreek_rcbl.db	
Dataset Pathname	MAIN	
Dataset Creation	Tue Jan 07 15:07:33 2020	
Gamma Ray Calibration Report		
Serial Number:	DA2	
Tool Model:	probe 2.75	
Performed:	Thu Jan 08 13:40:14 2015	
Calibrator Value:	200.0	GAPI
Background Reading:	39.6	cps
Calibrator Reading:	259.2	cps
Sensitivity:	0.9108	GAPI/cps
Segmented Cement Bond Log Calibration Report		

Serial Number:
Tool Model:

DD3_9_5_8
Probe

Calibration Casing Diameter:
Calibration Depth:

4.500
154.843

in
ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	0.825	4.000	82.000	94.828	3.797
CAL	1.017	1.016				
5'	0.012	0.707	4.000	82.000	112.297	2.630
SUM						
S1	0.006	0.837	0.000	100.000	120.352	-0.698
S2	0.004	0.930	0.000	100.000	108.015	-0.455
S3	0.003	0.980	0.000	100.000	102.362	-0.326
S4	0.003	0.948	0.000	100.000	105.817	-0.330
S5	0.002	0.860	0.000	100.000	116.527	-0.214
S6	0.002	0.782	0.000	100.000	128.243	-0.234
S7	0.002	0.861	0.000	100.000	116.464	-0.258
S8	0.005	1.381	0.000	100.000	72.668	-0.349

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.017	1.016	1.000	0.000

Air Zero Calibration, performed Tue Jan 07 10:08:37 2020:



	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	

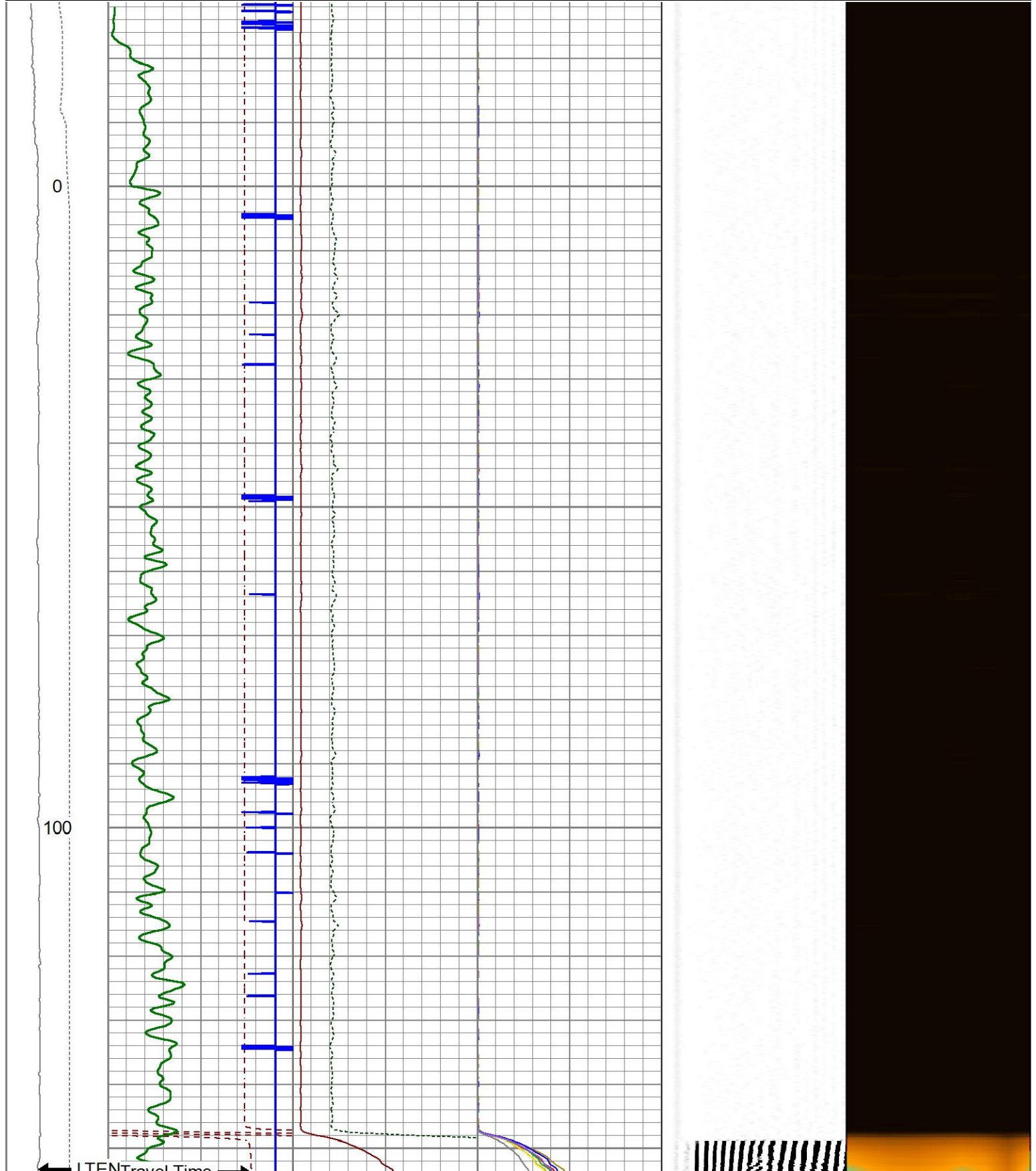


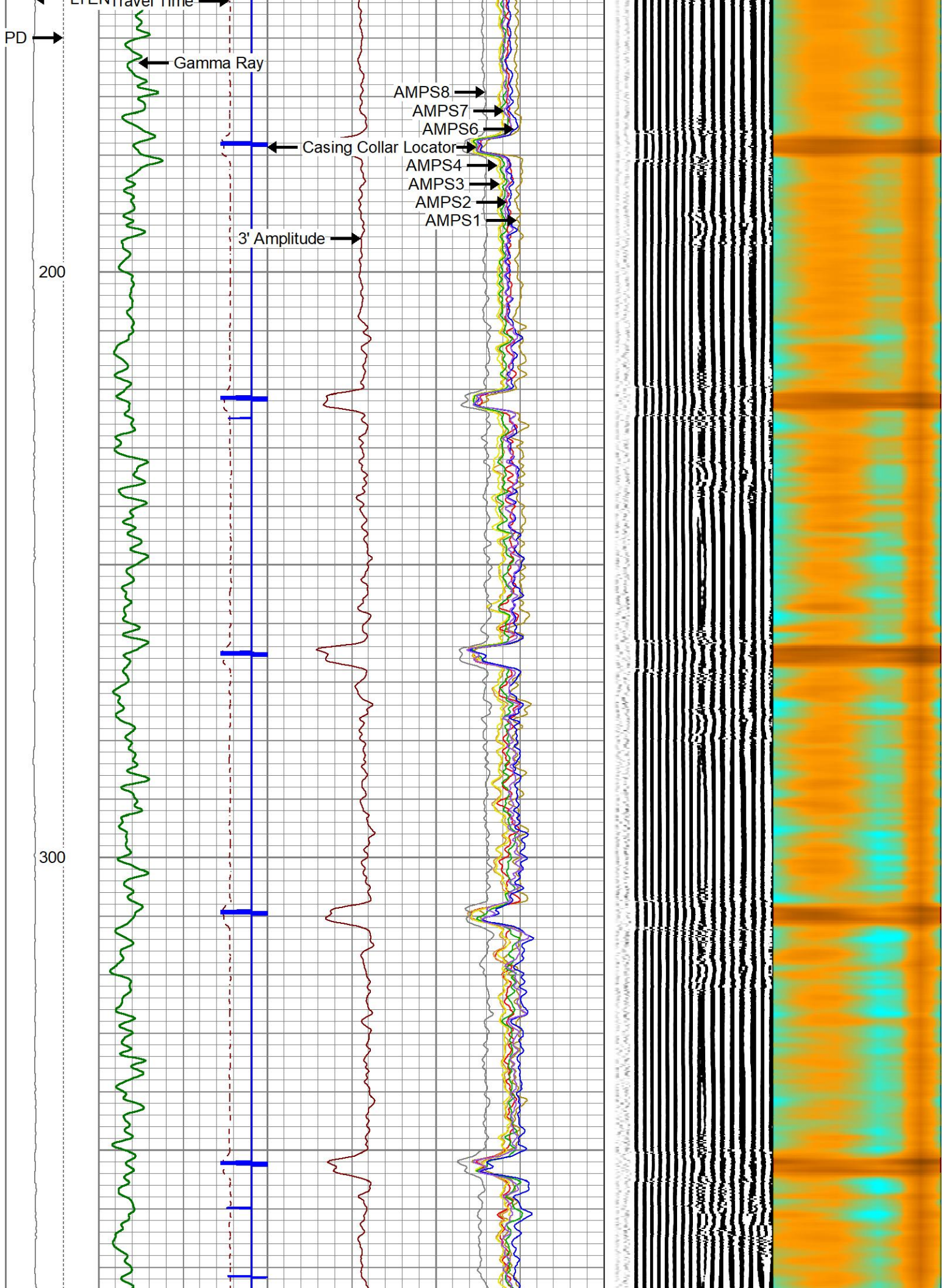
MAIN PASS

0 PSI ON WELL WHILE LOGGING

Database File 90643_highpoint_foxcreek_rcbl.db
Dataset Pathname MAIN
Presentation Format rbl_all_8_2020
Dataset Creation Tue Jan 07 15:07:33 2020
Charted by Depth in Feet scaled 1:240

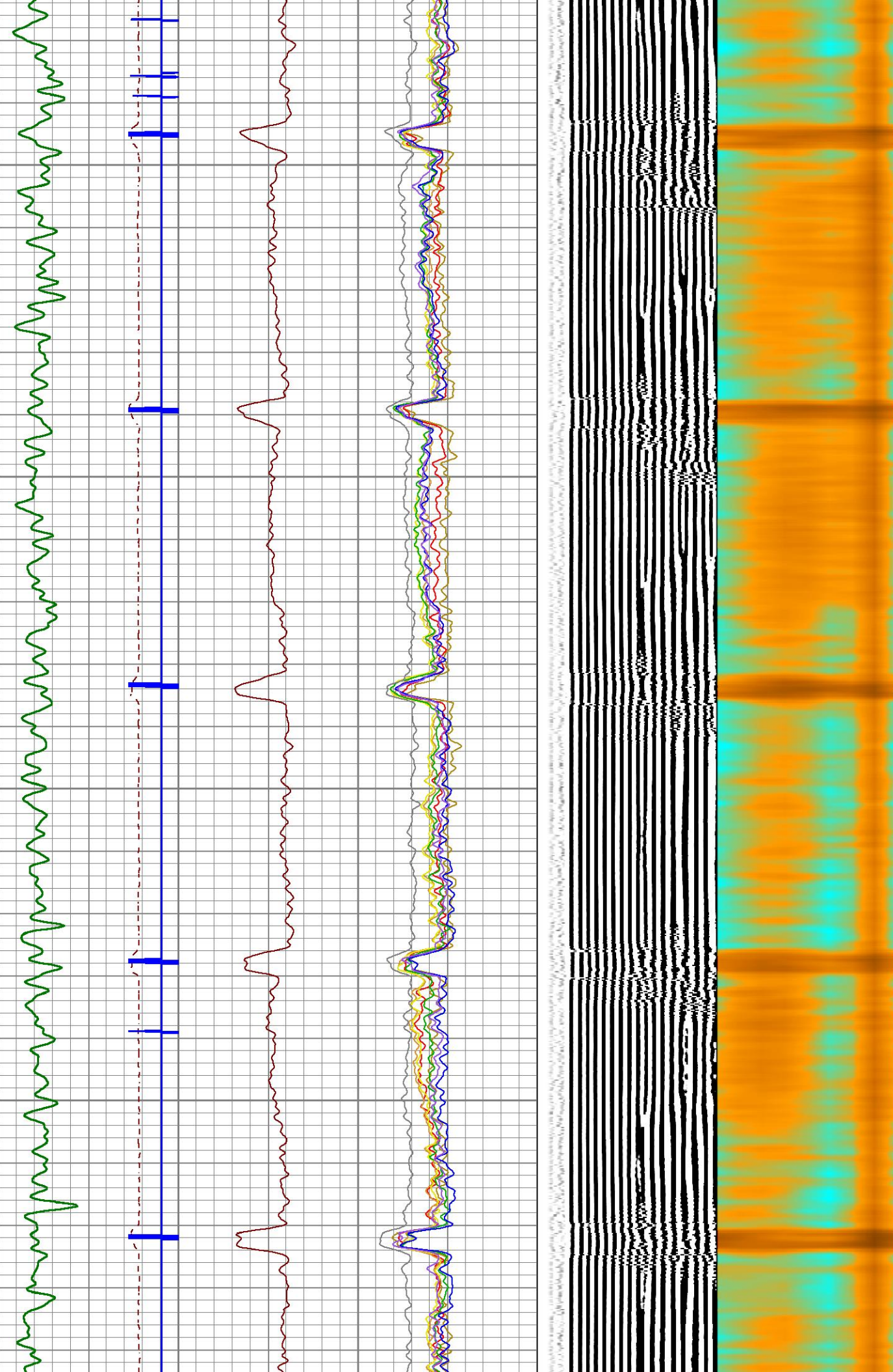
0	LEN	3 Travel Time		3 Amplitude		0	AMPS1	150	3 Variable Density		1 SECTORS		0	
0	(lb 1000)	400	(usec)	200	0	(mV)	100	0	AMPS2	150	200	(usec)	1200	
LSPD		Casing Collar Locator			3 'Amplified Amplitude		0	AMPS3	150	 (V)		409.4		
(ft/min)		Gamma Ray			0 (mV)		20	0	AMPS4	150				
500	-500	(GAPI)						0	AMPS5	150				
								0	AMPS6	150				
								0	AMPS7	150				
								0	AMPS8	150				





400

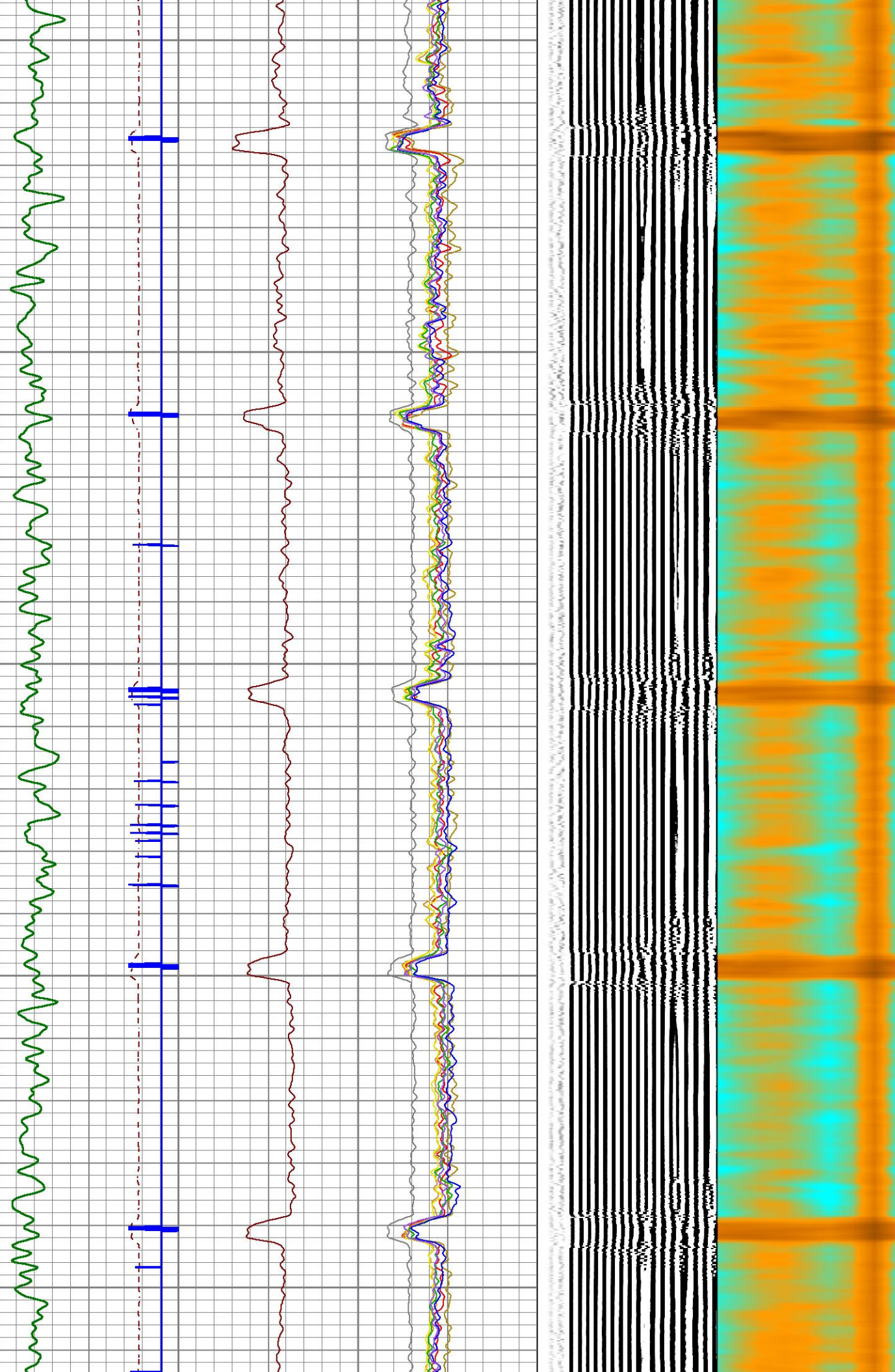
500



600

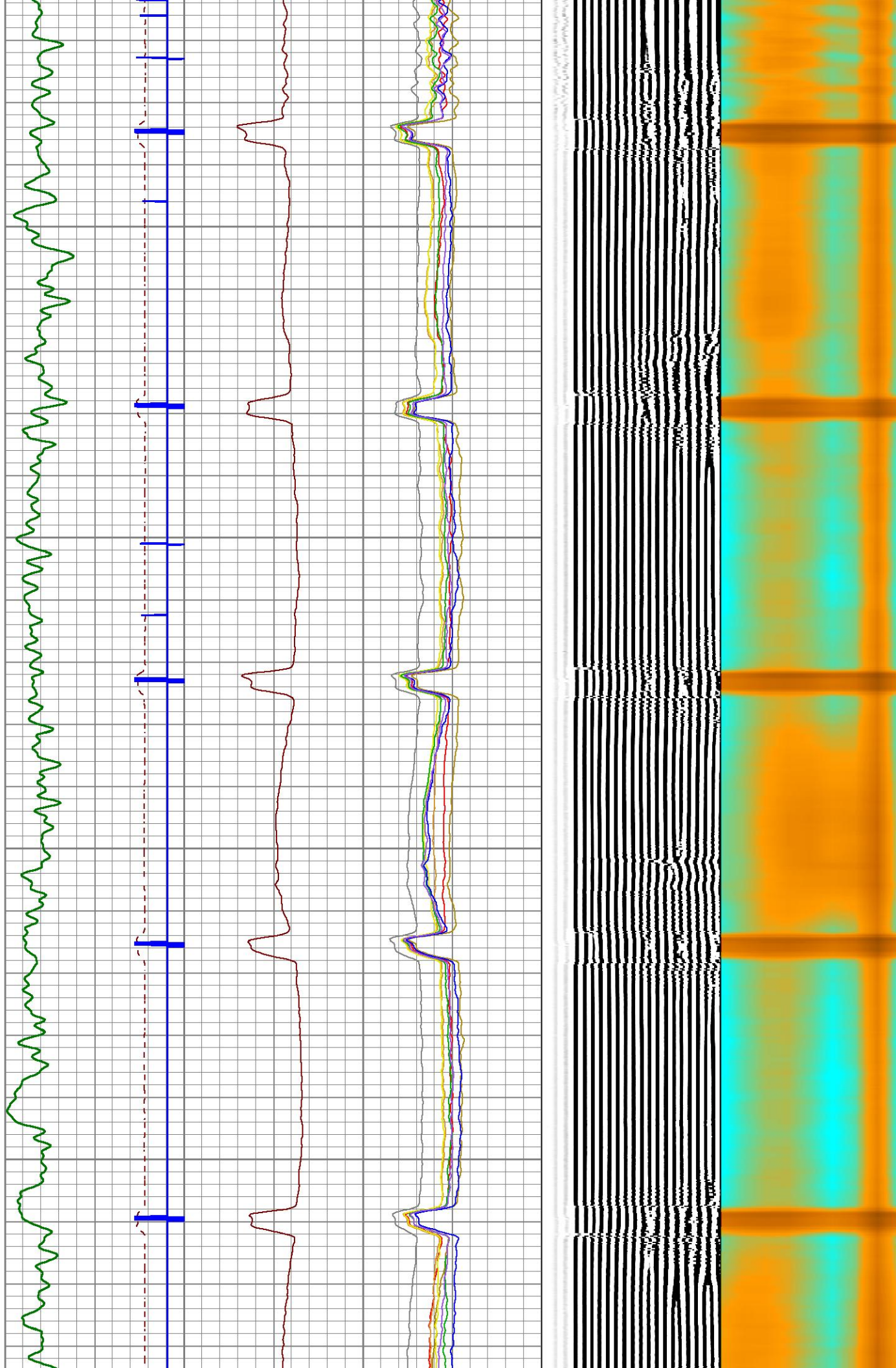
700

800



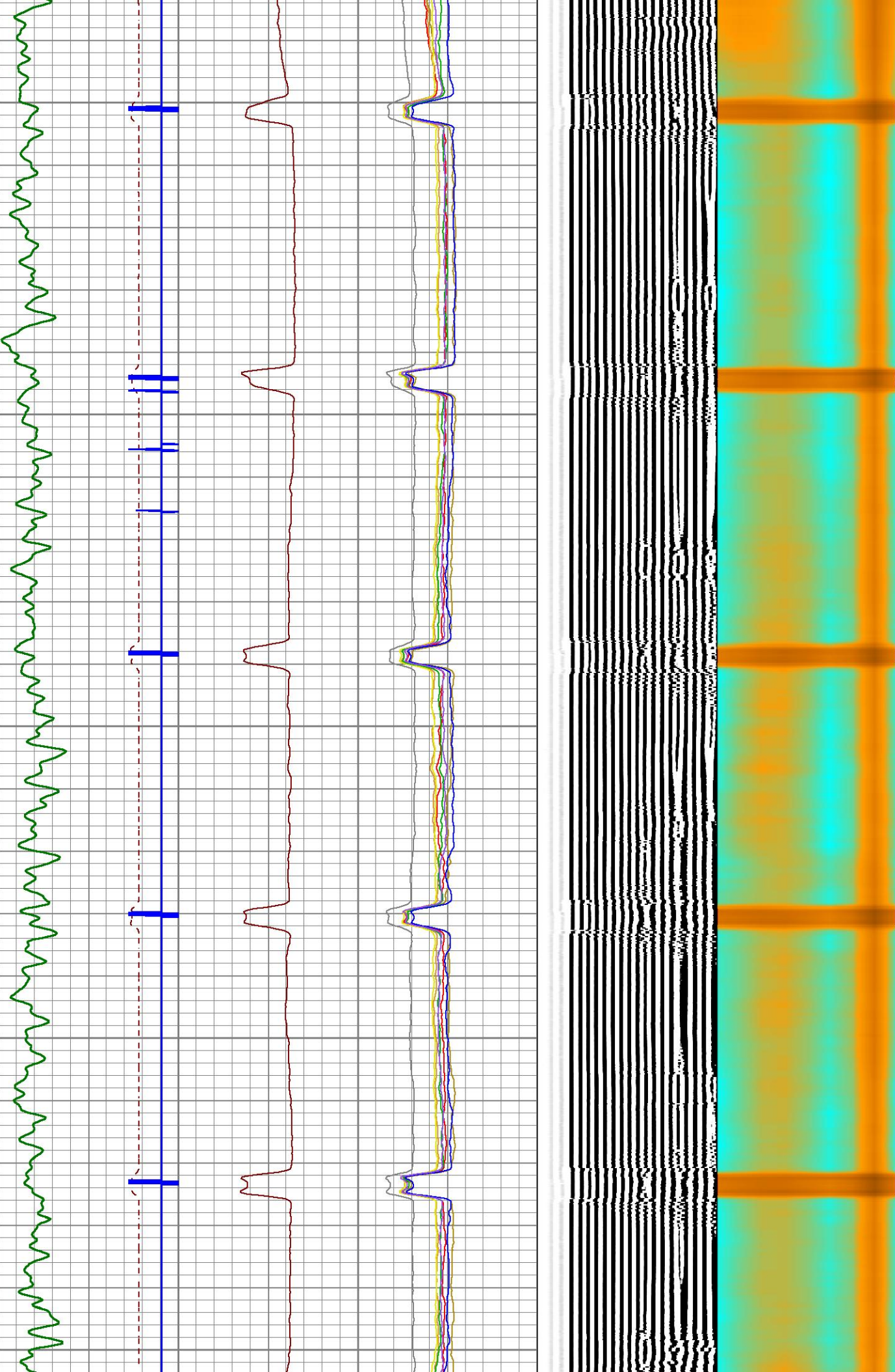
900

1000



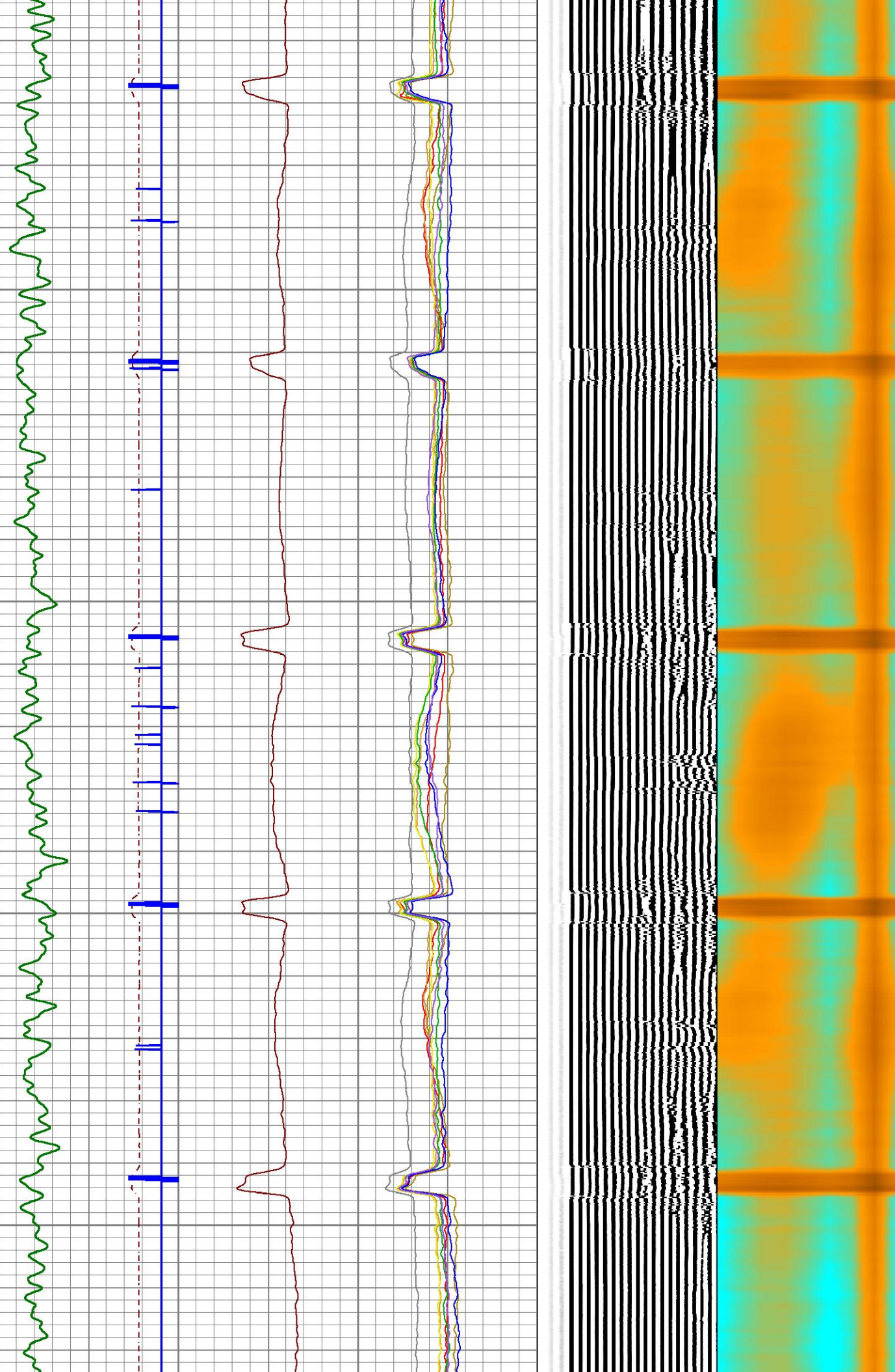
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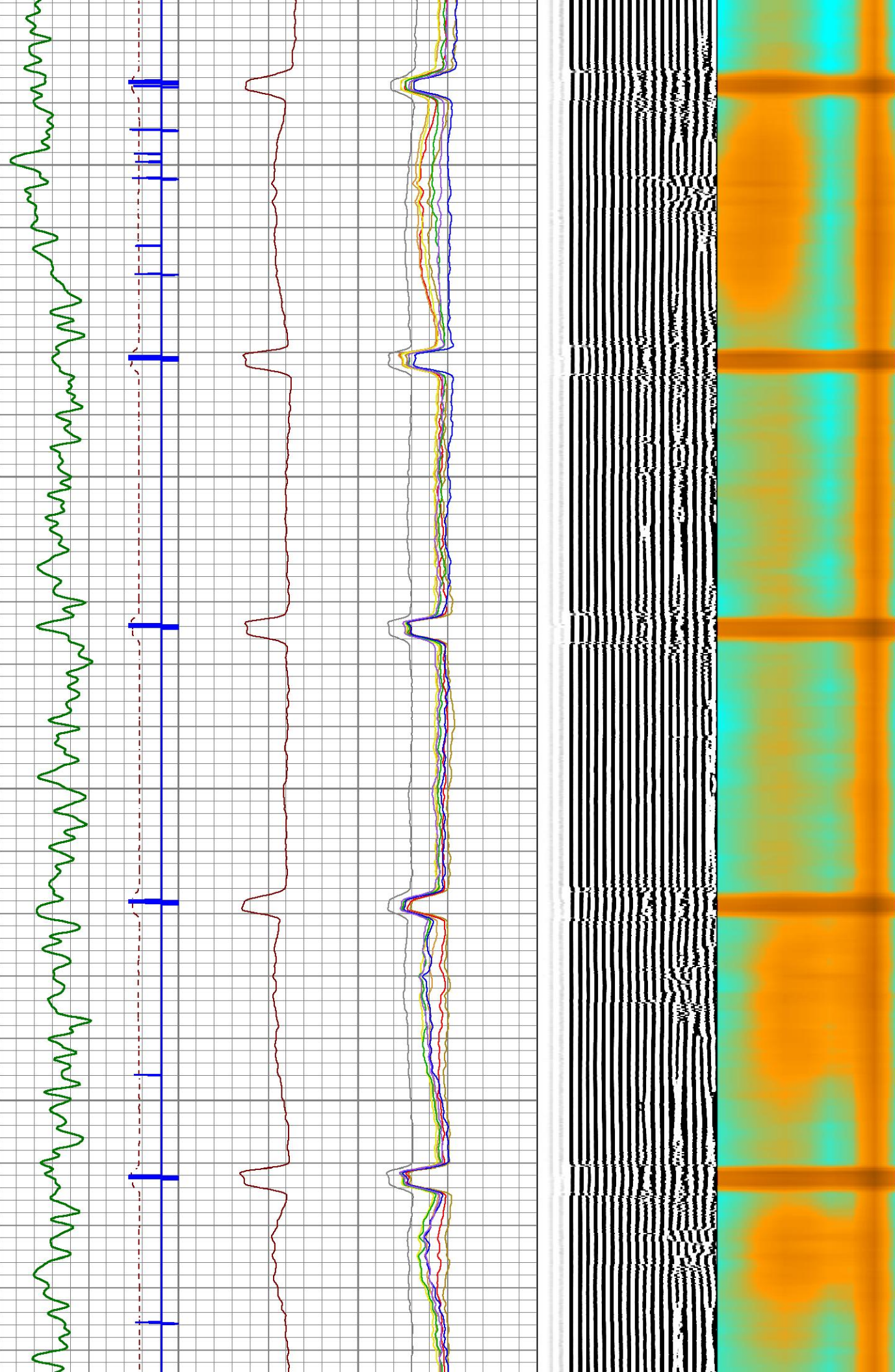
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1400



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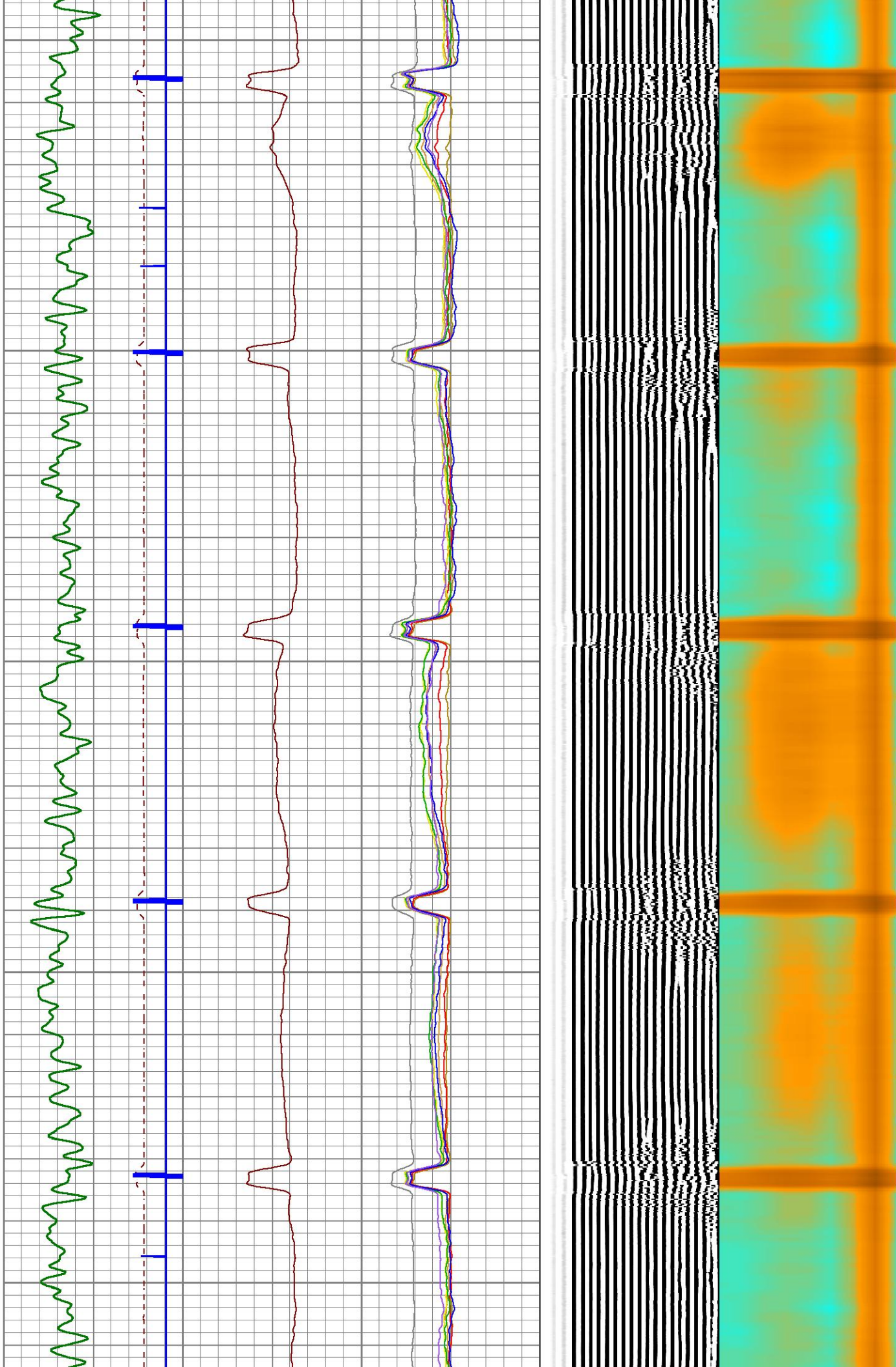
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1700

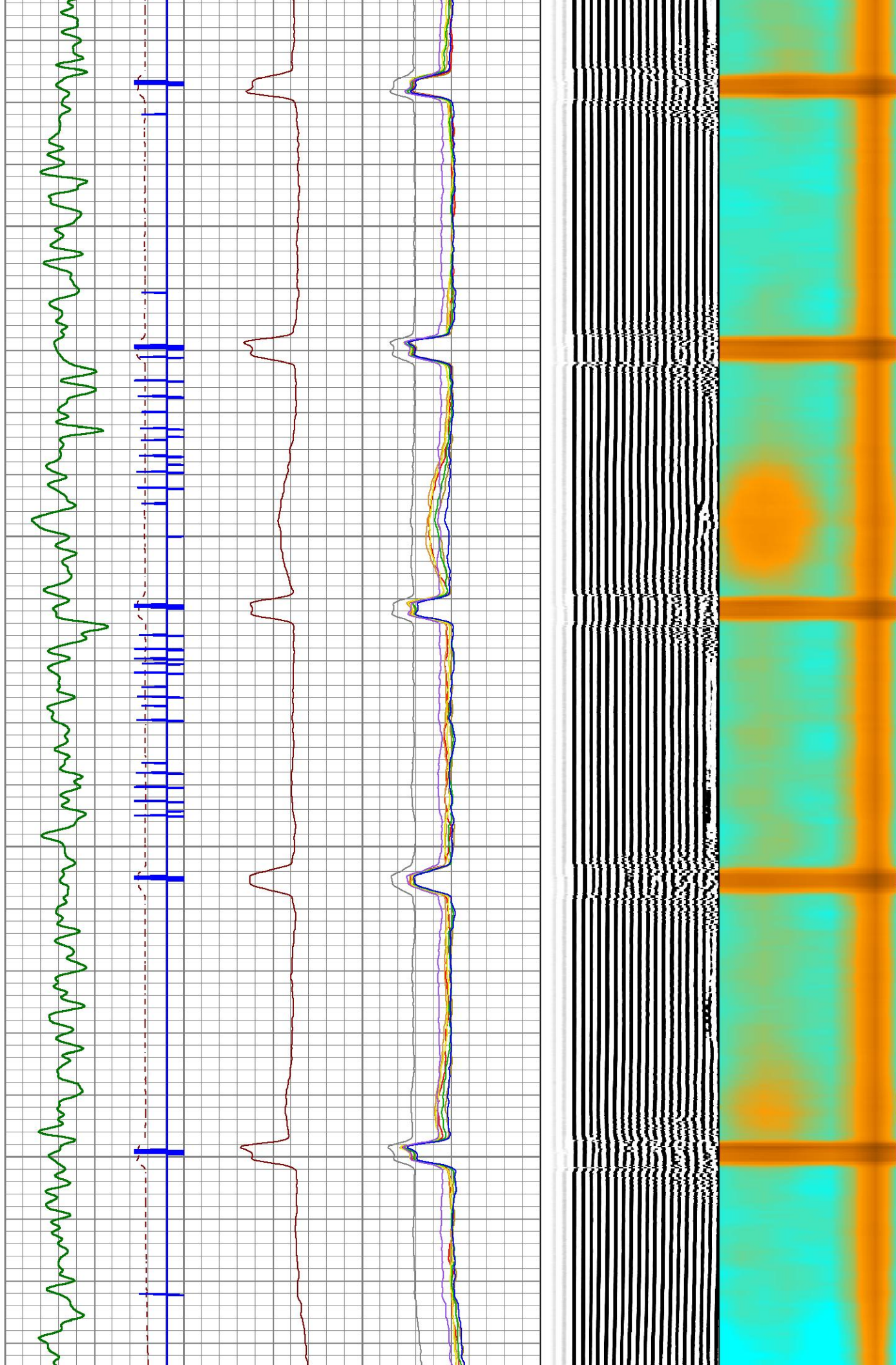
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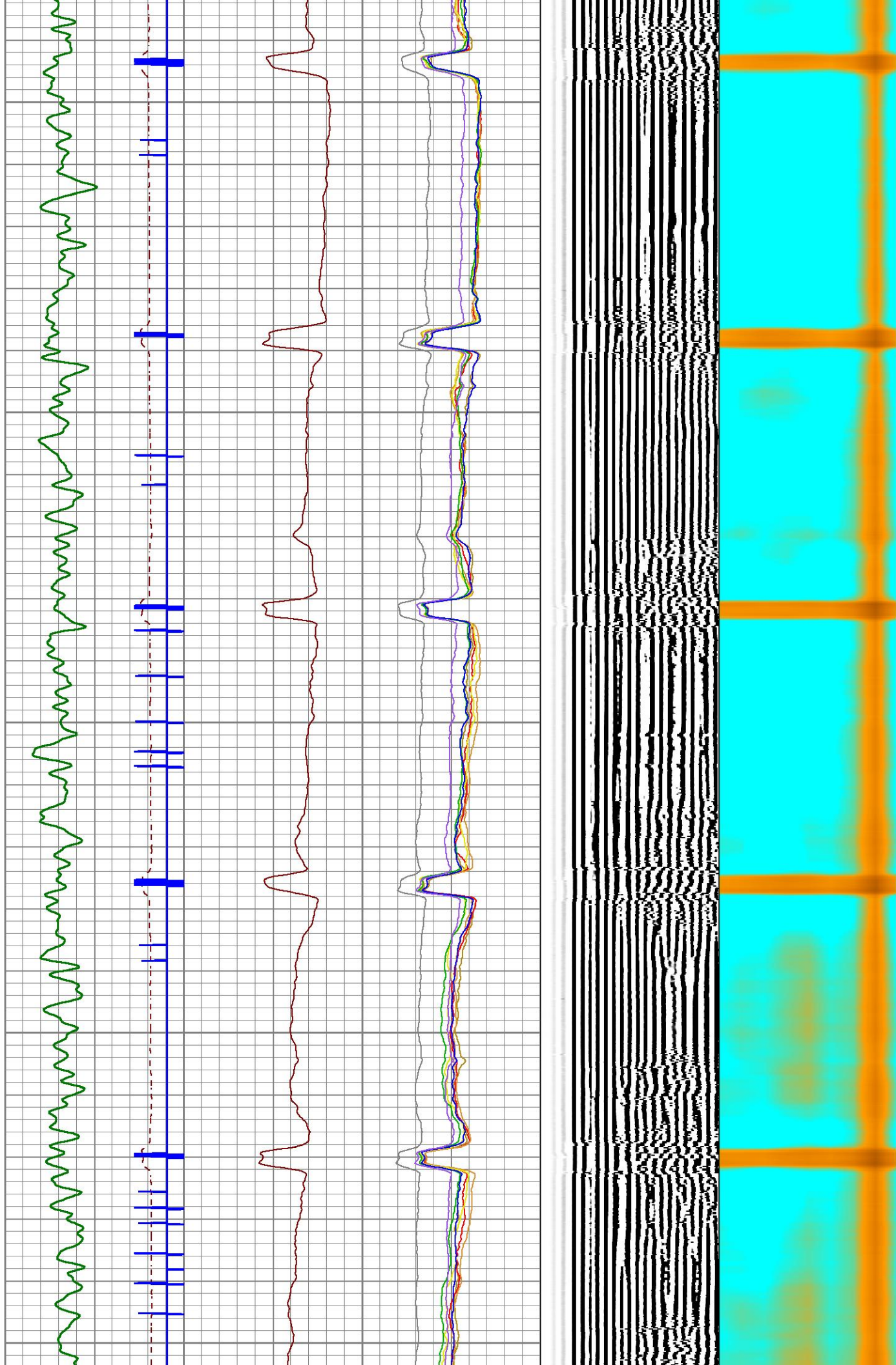
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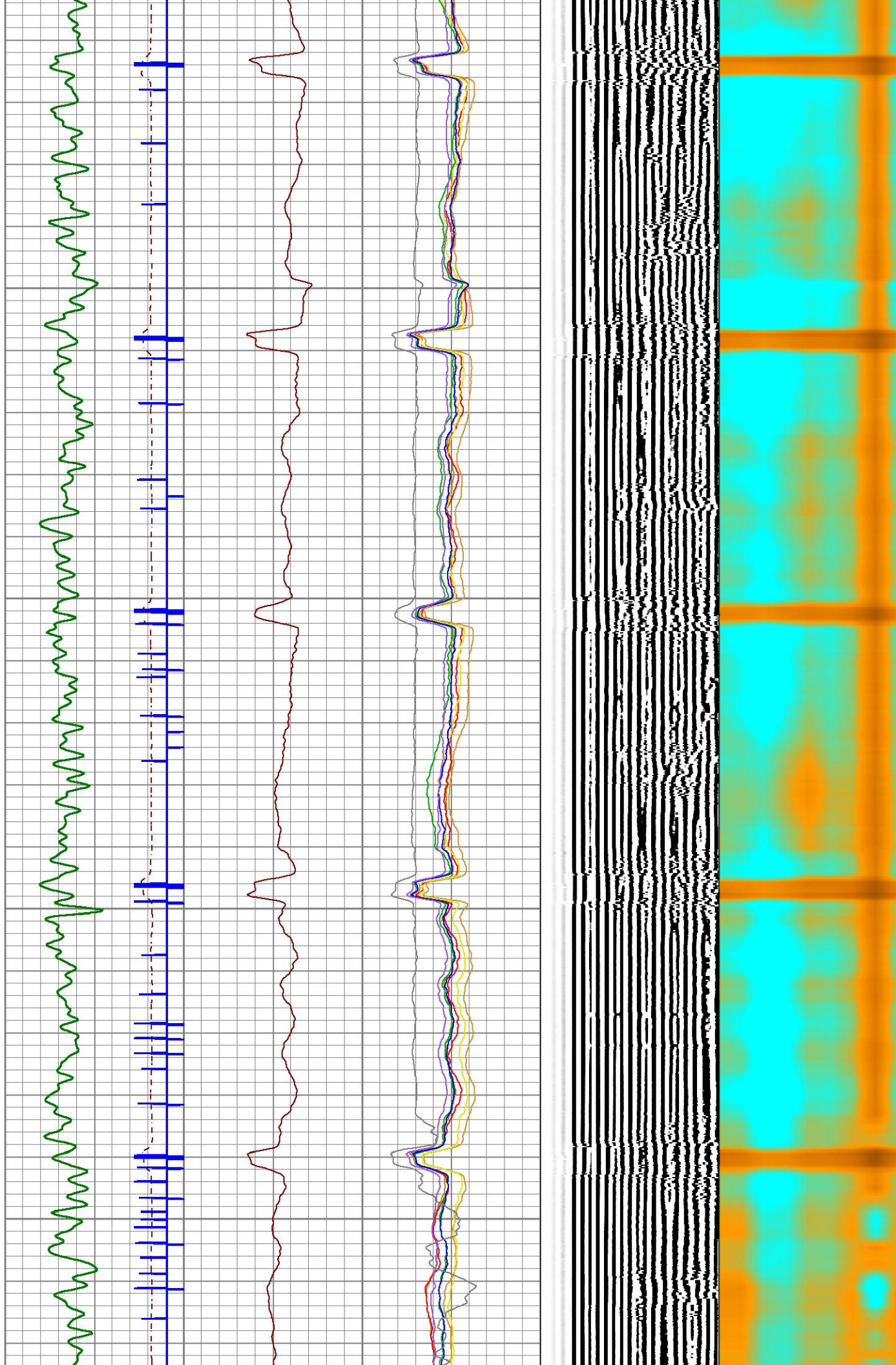
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2300



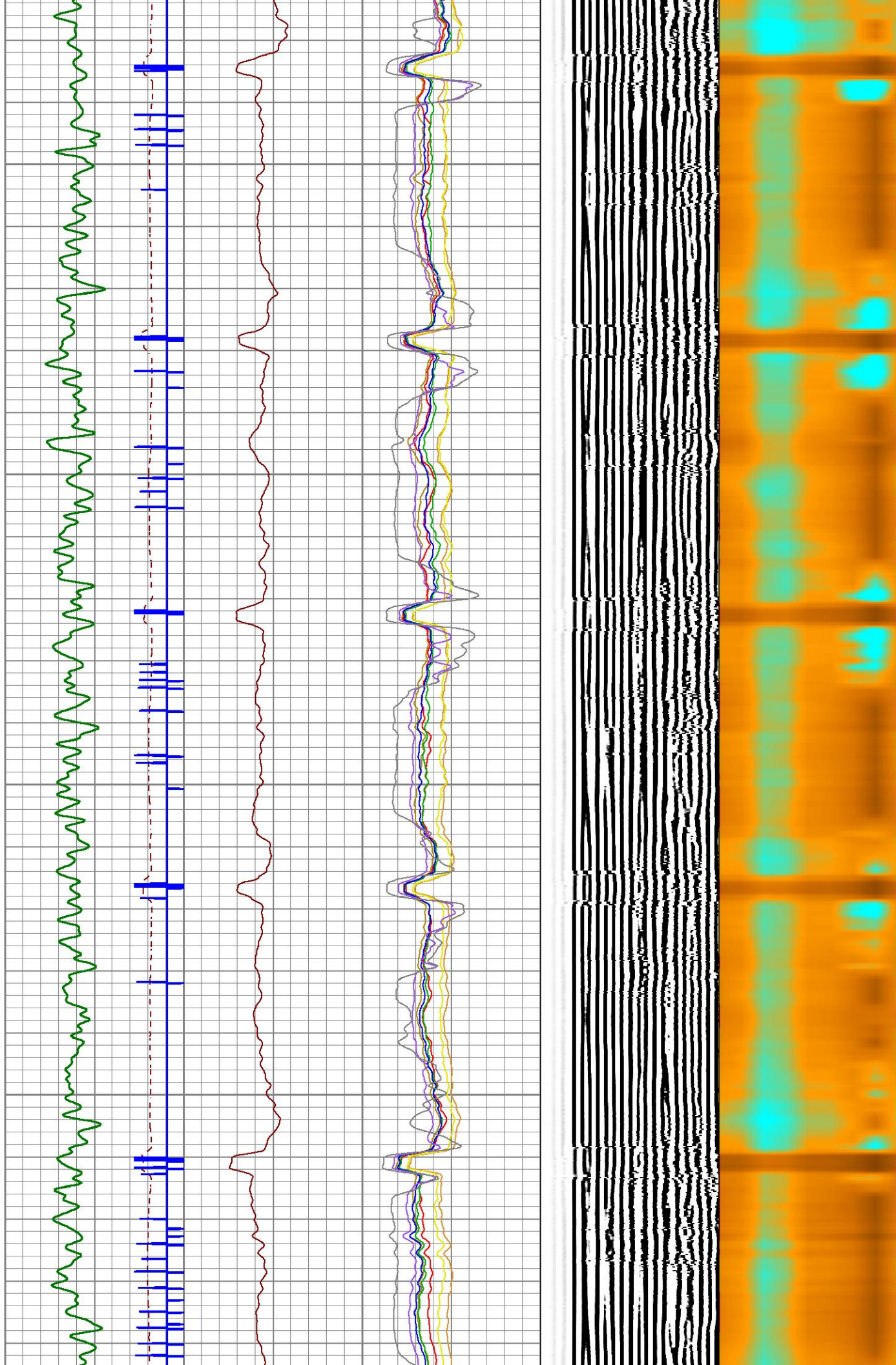
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2500



2600

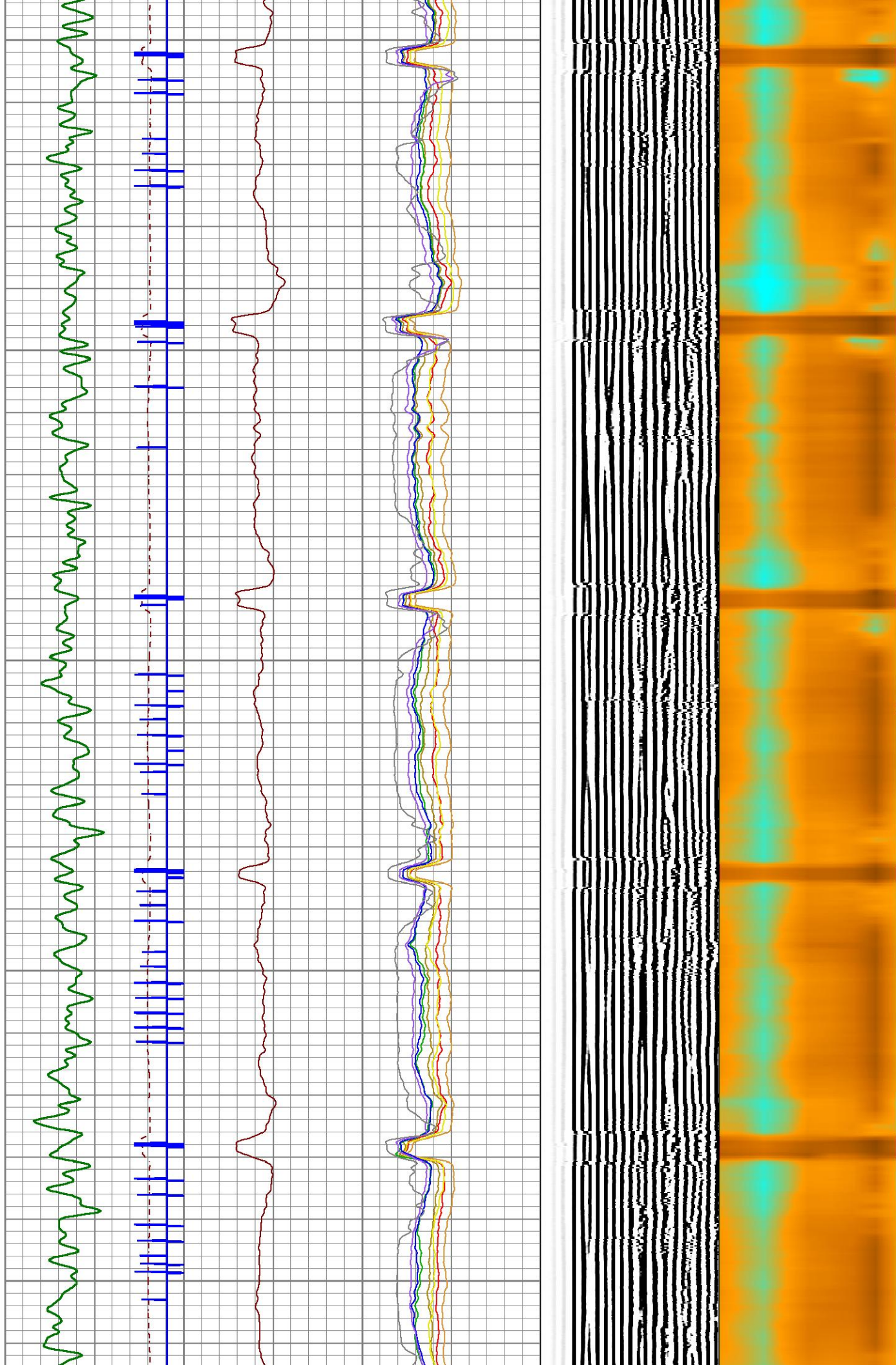
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2800

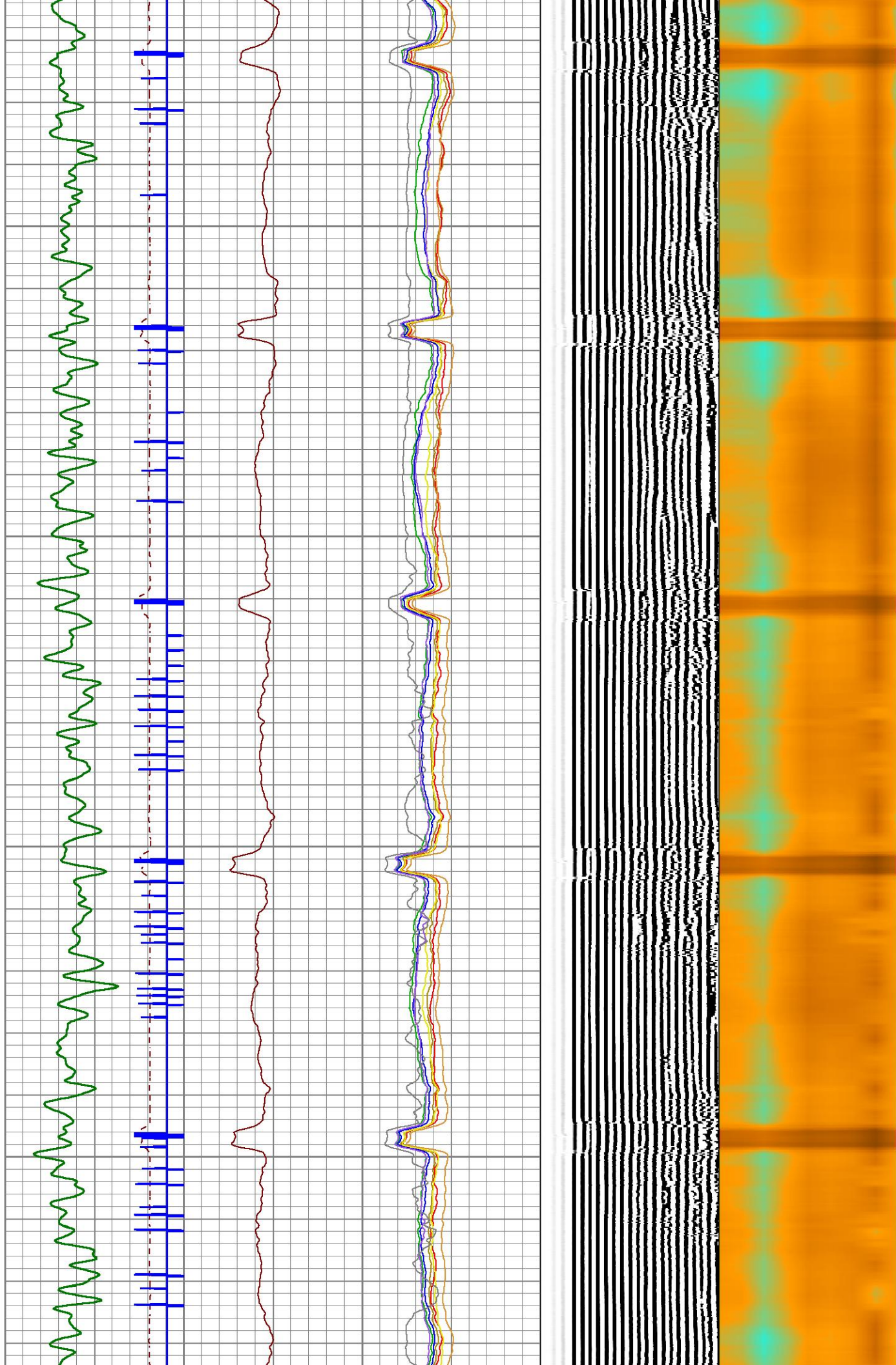
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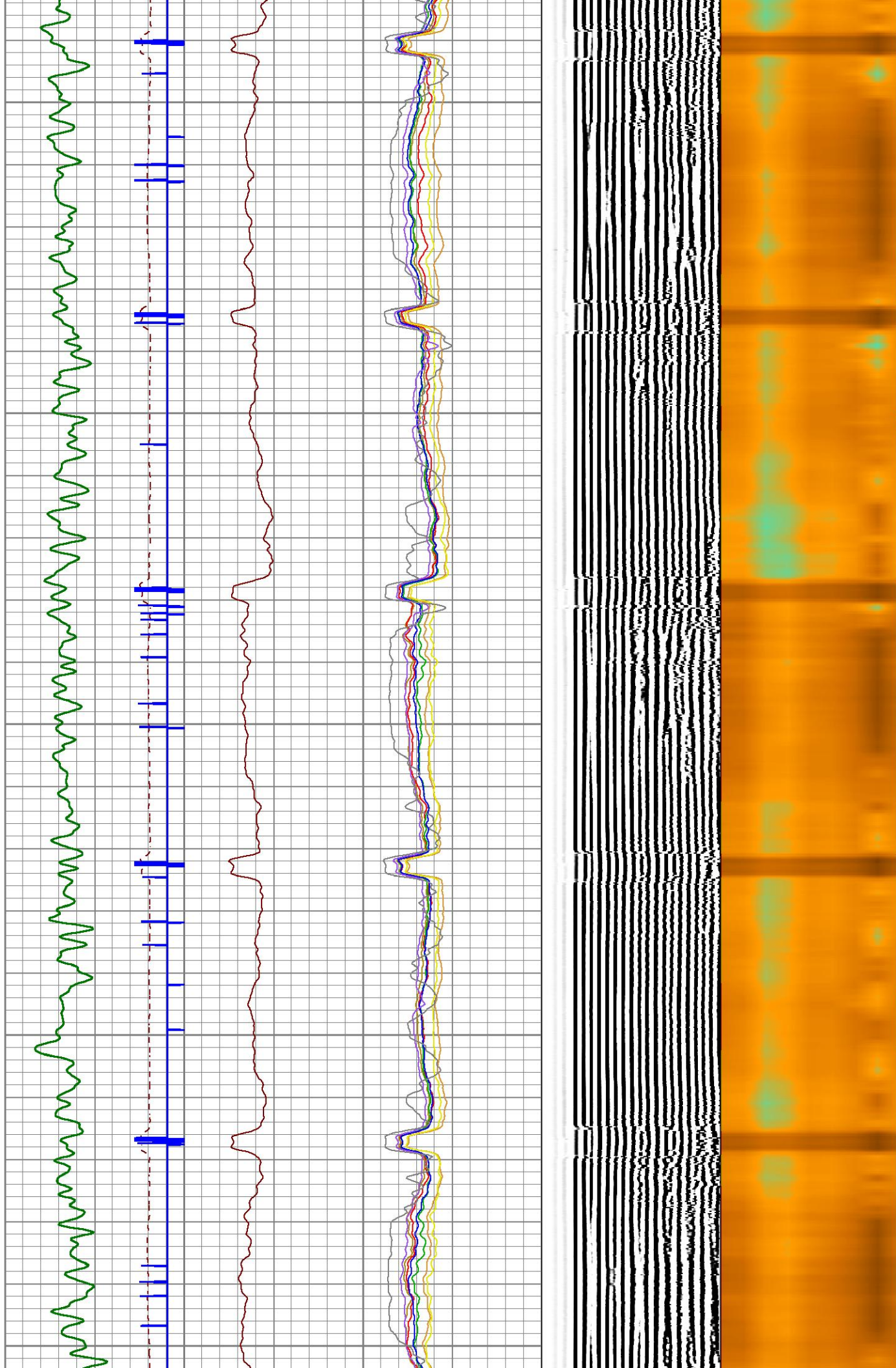
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3200



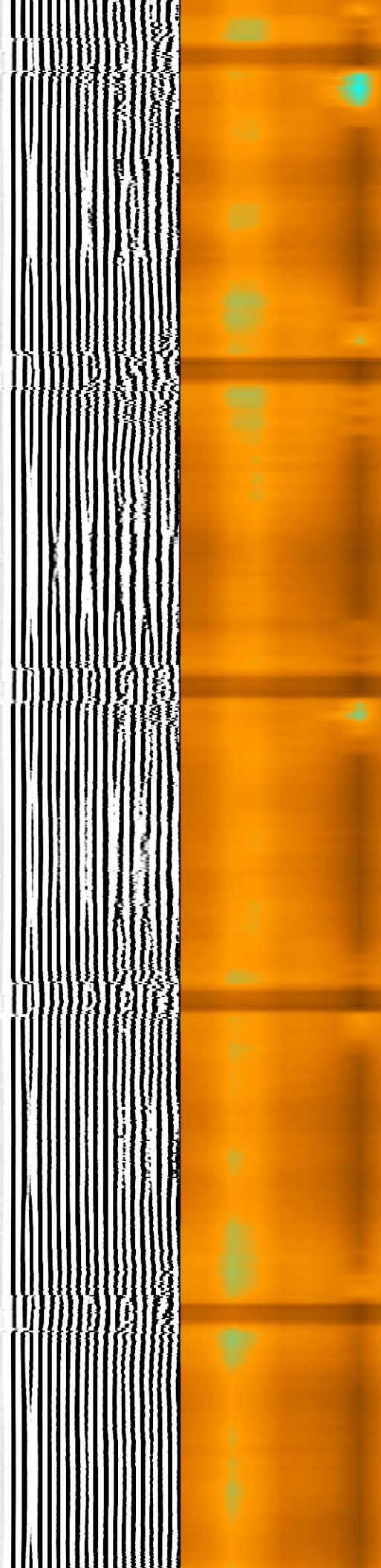
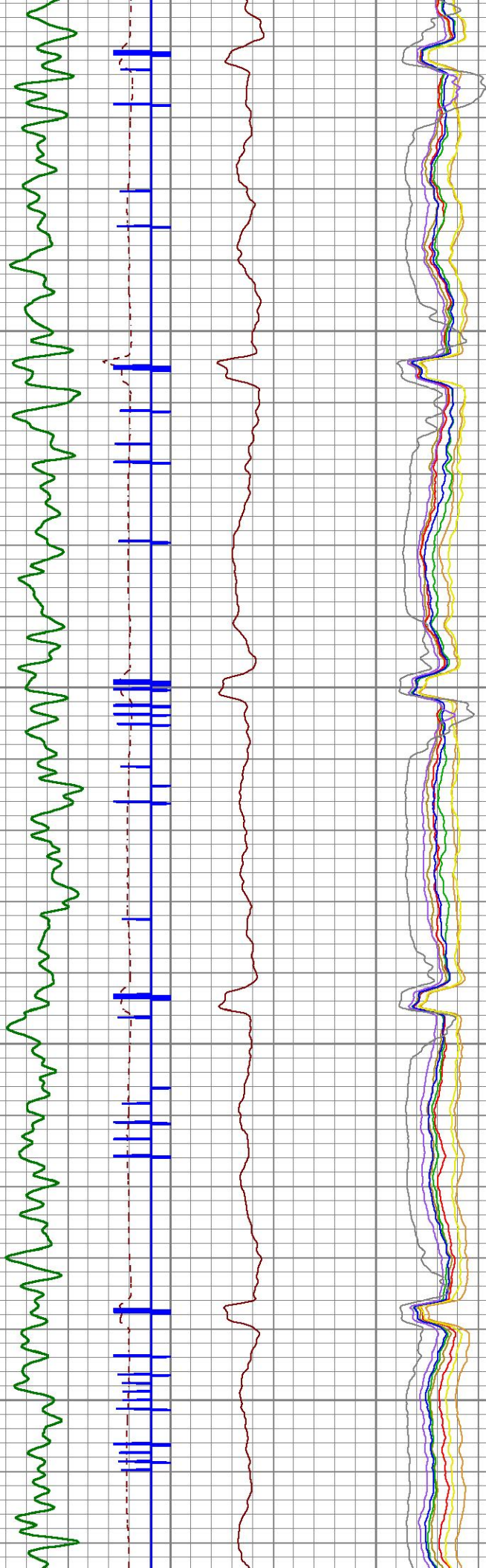
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3400



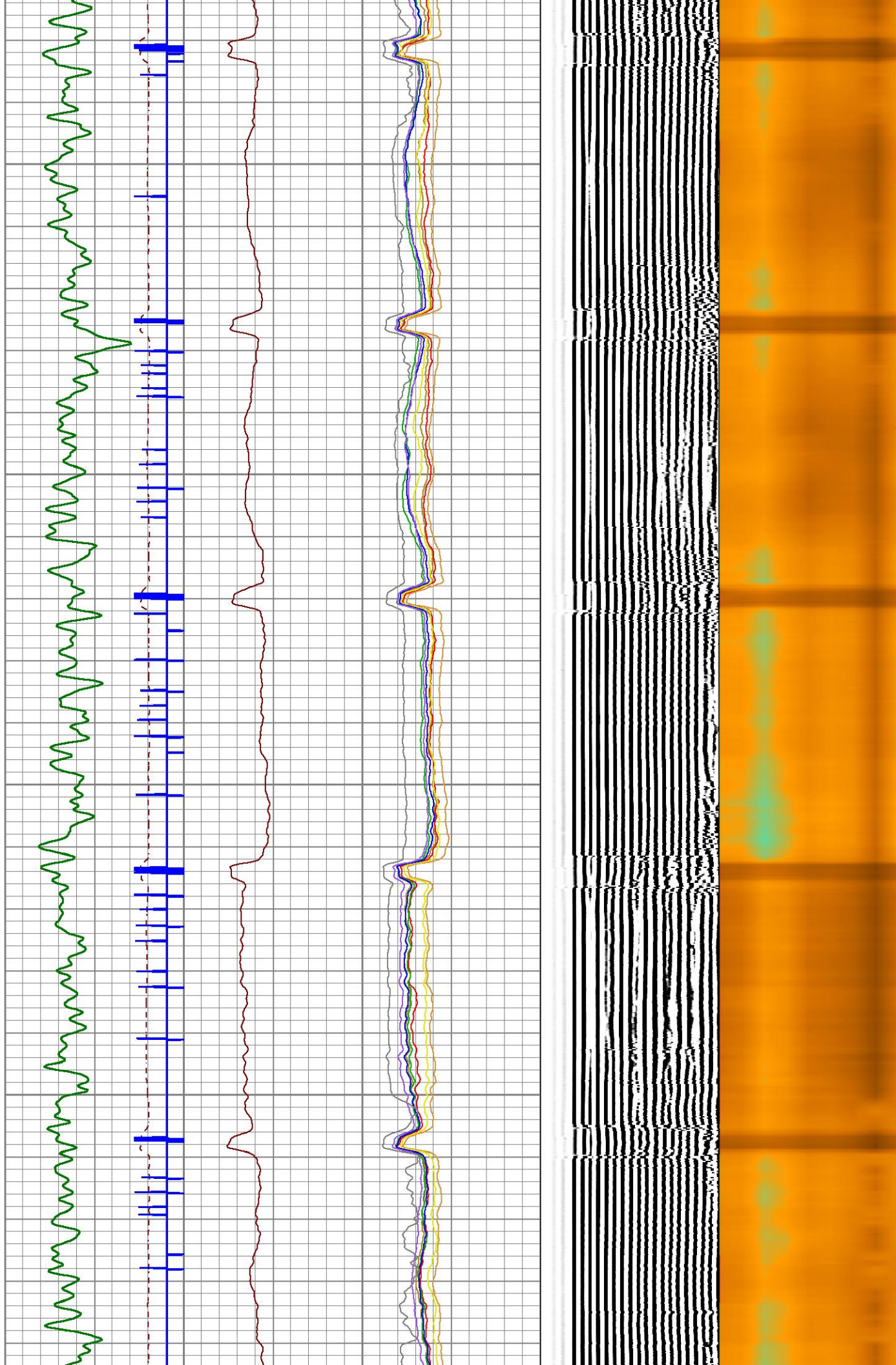
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3600



3700

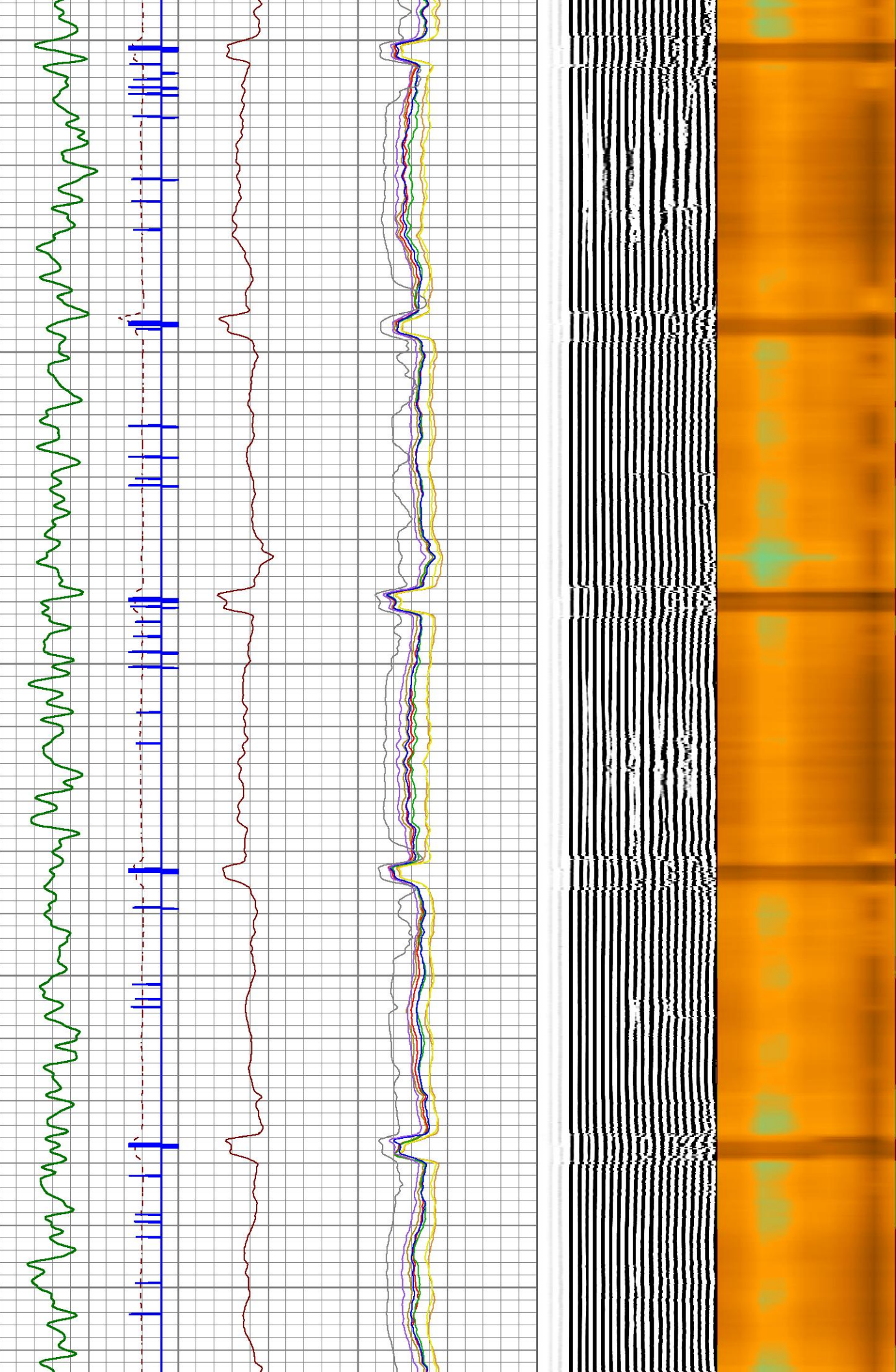
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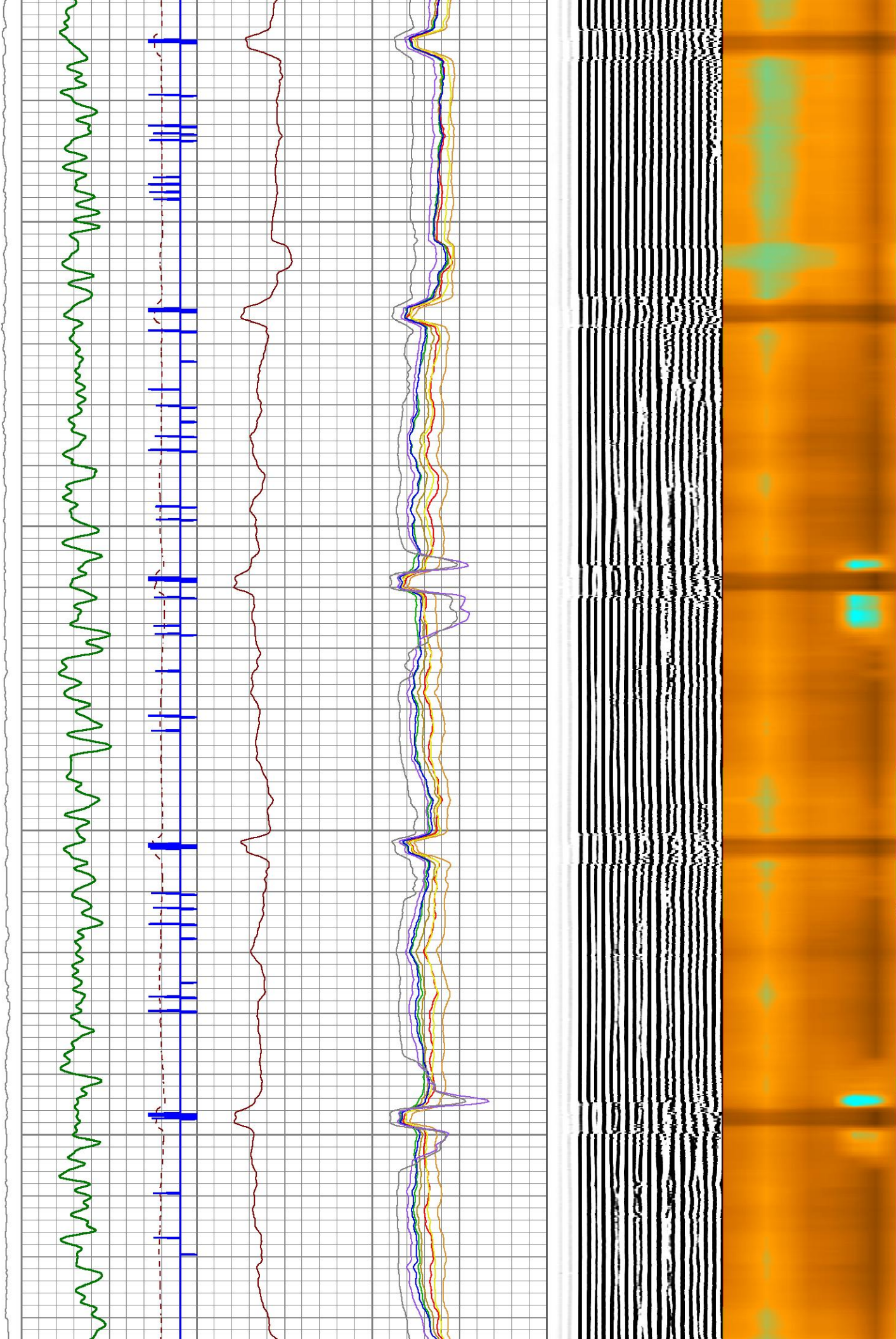
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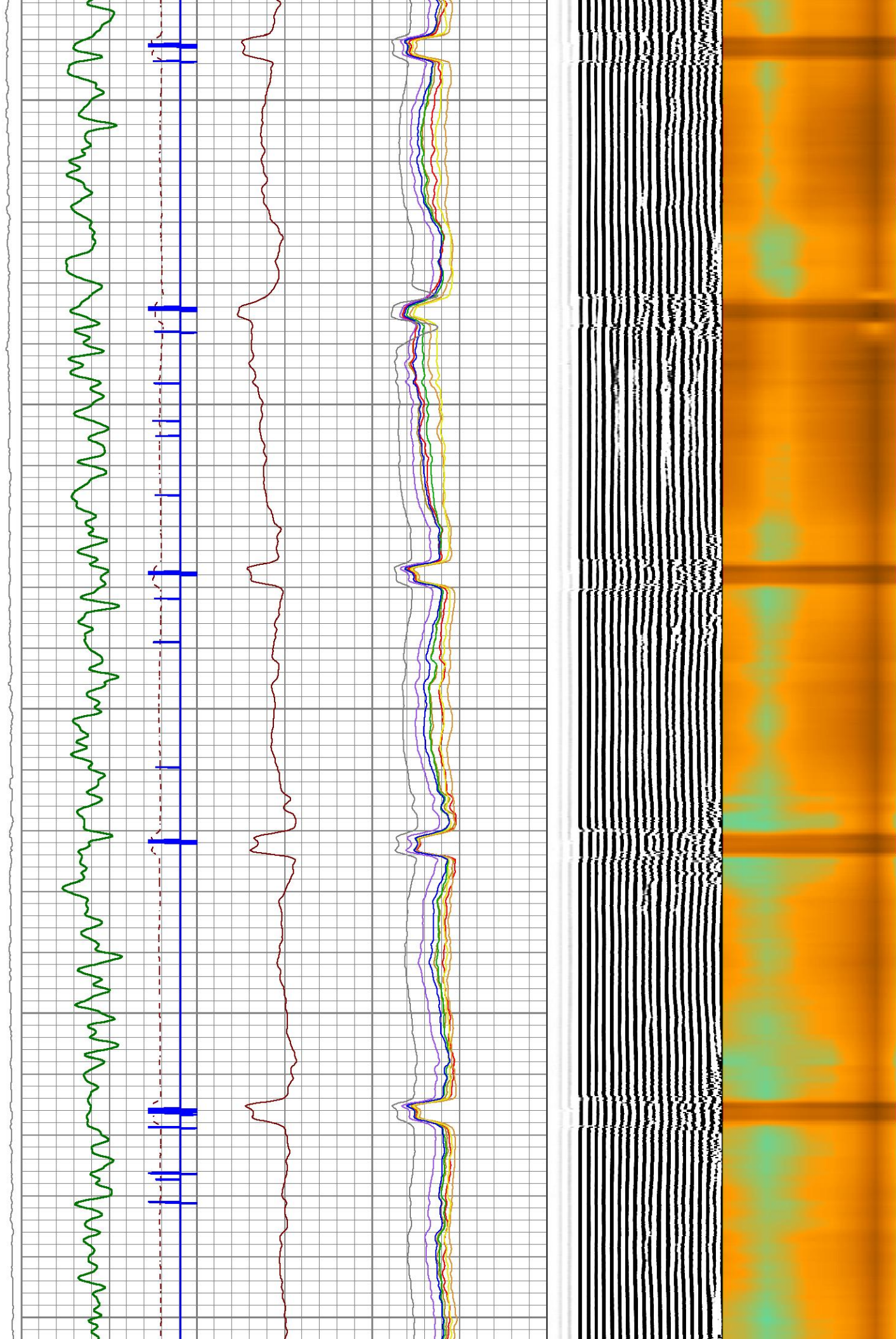
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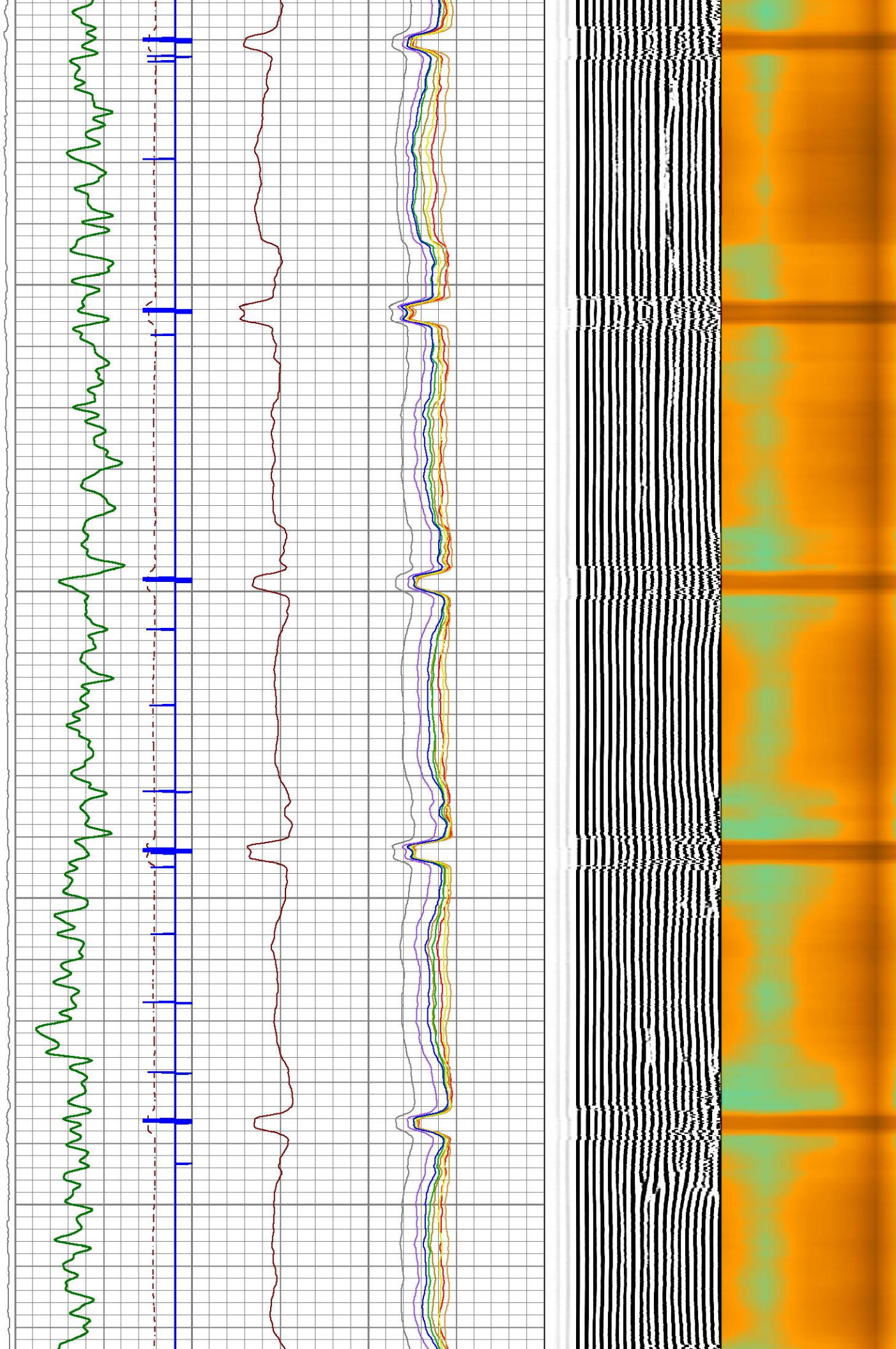
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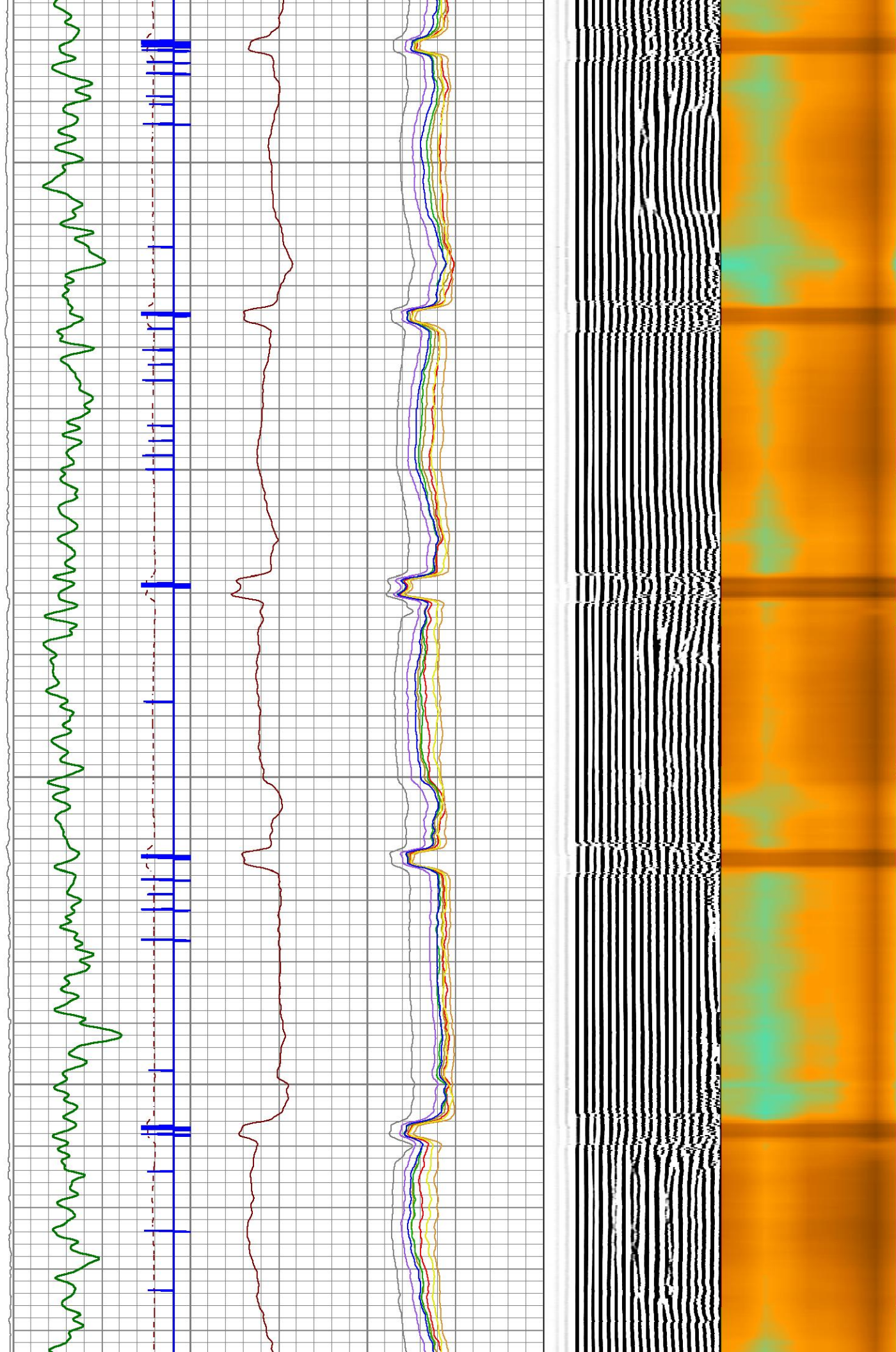
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4700



4800

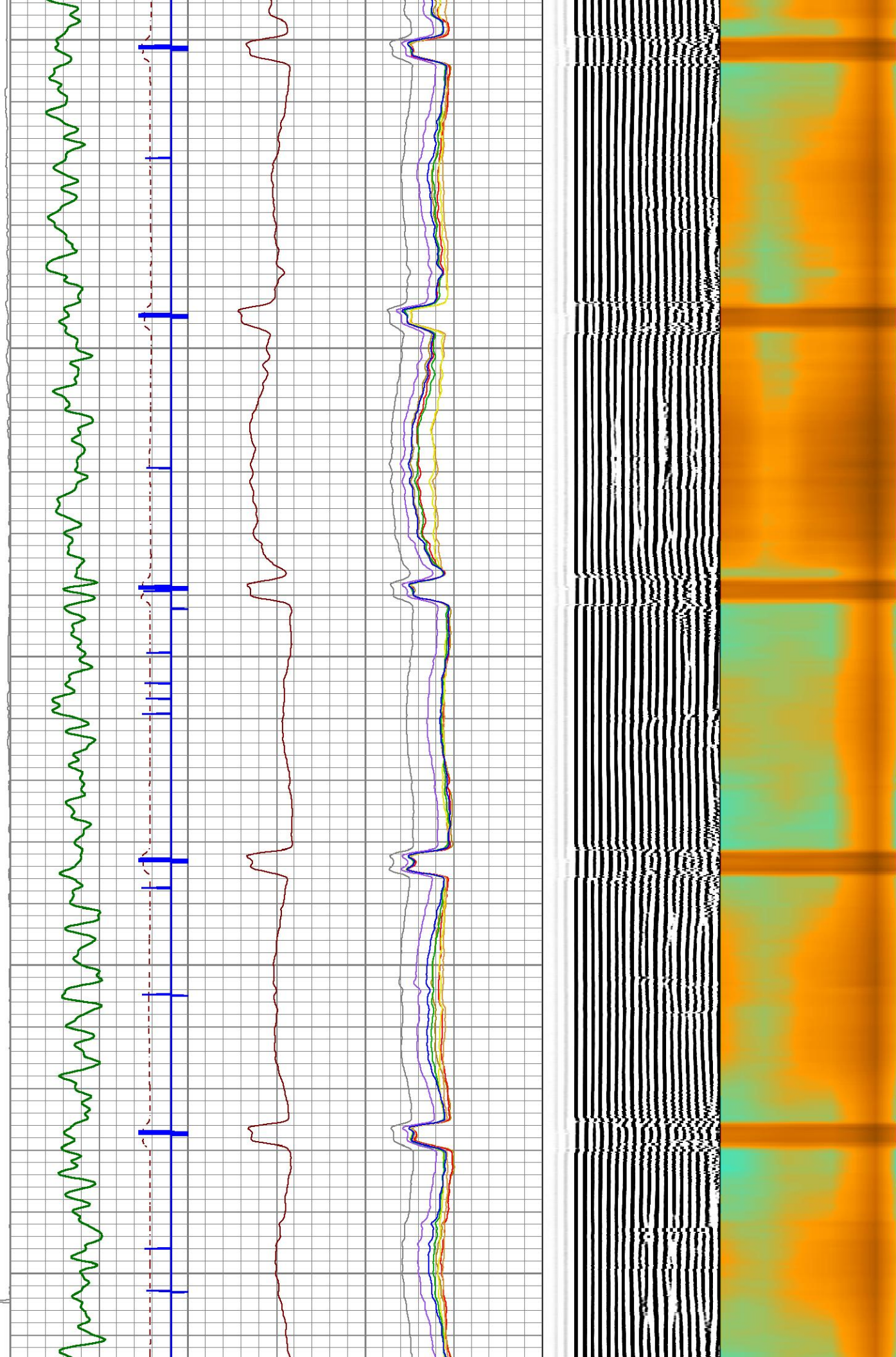
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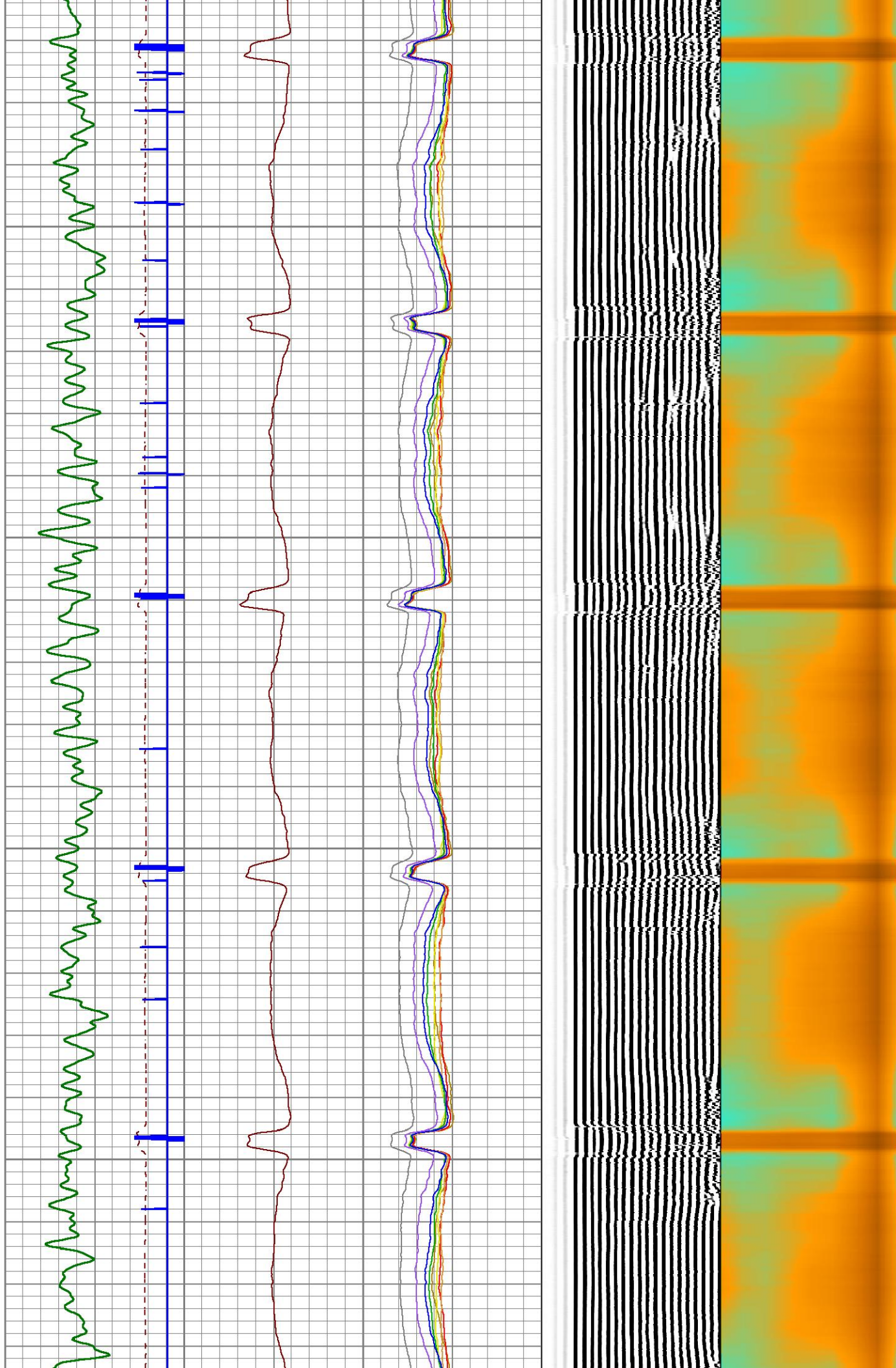
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5200



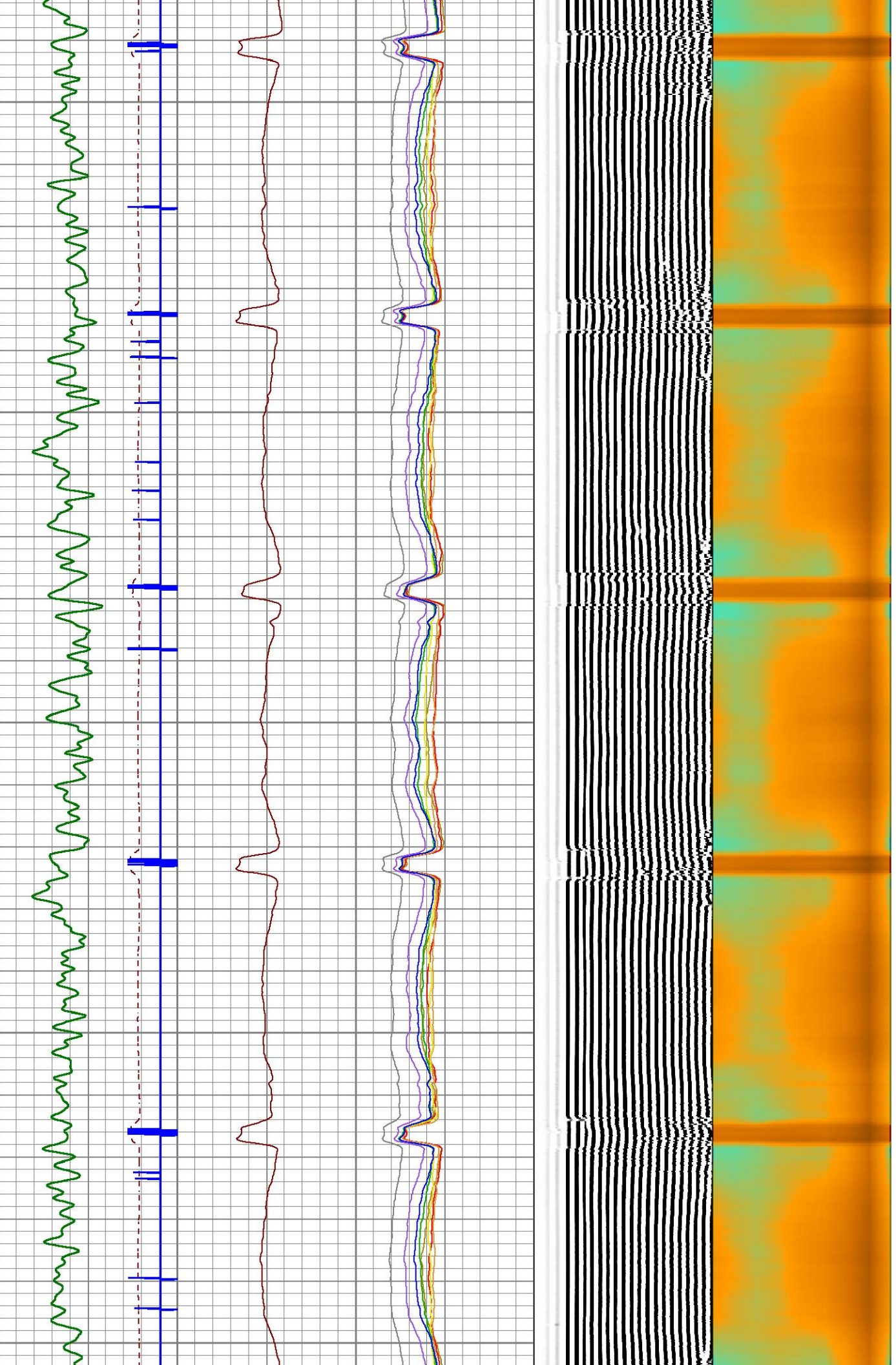
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5400



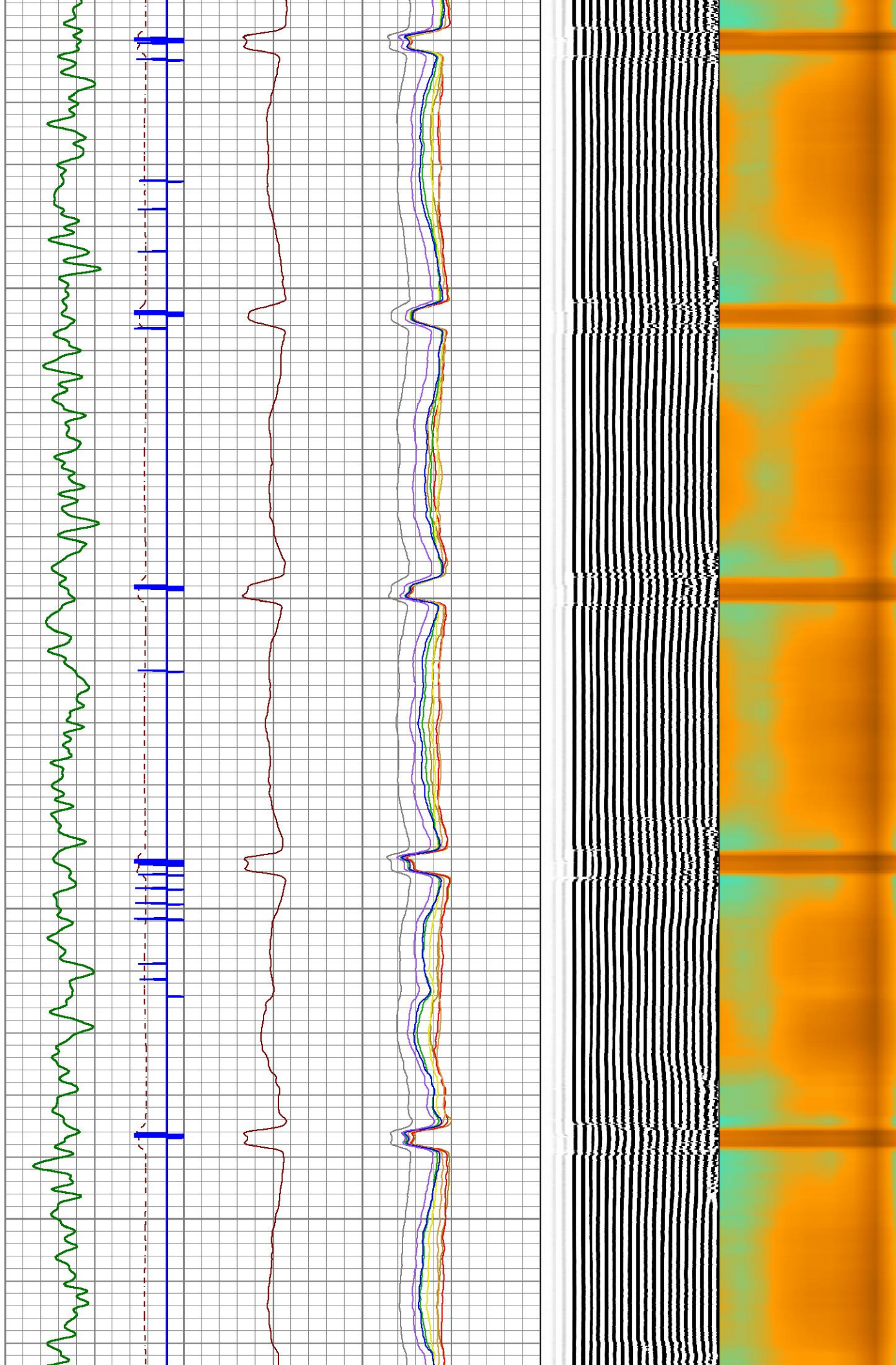
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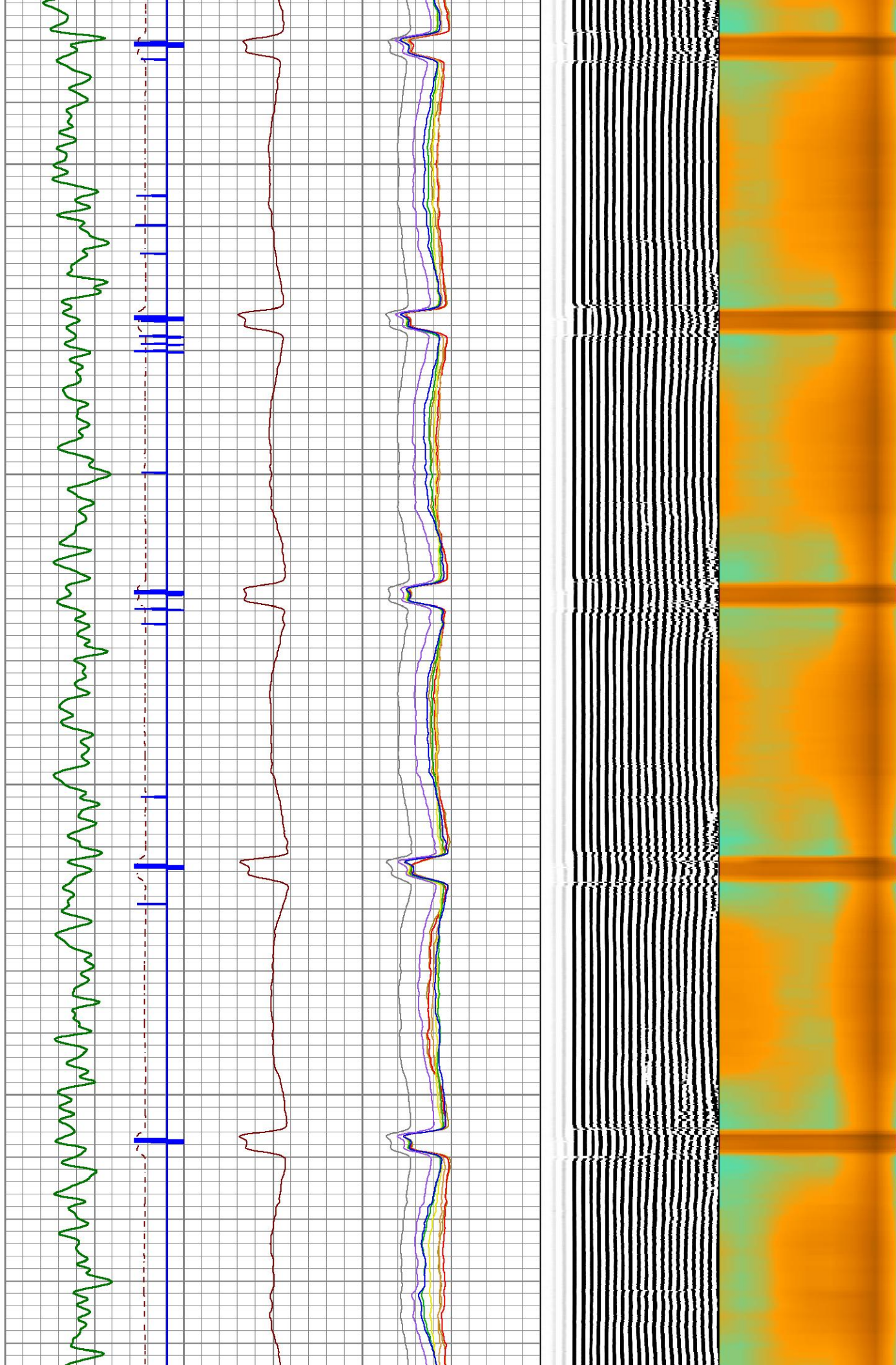
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5800



5900

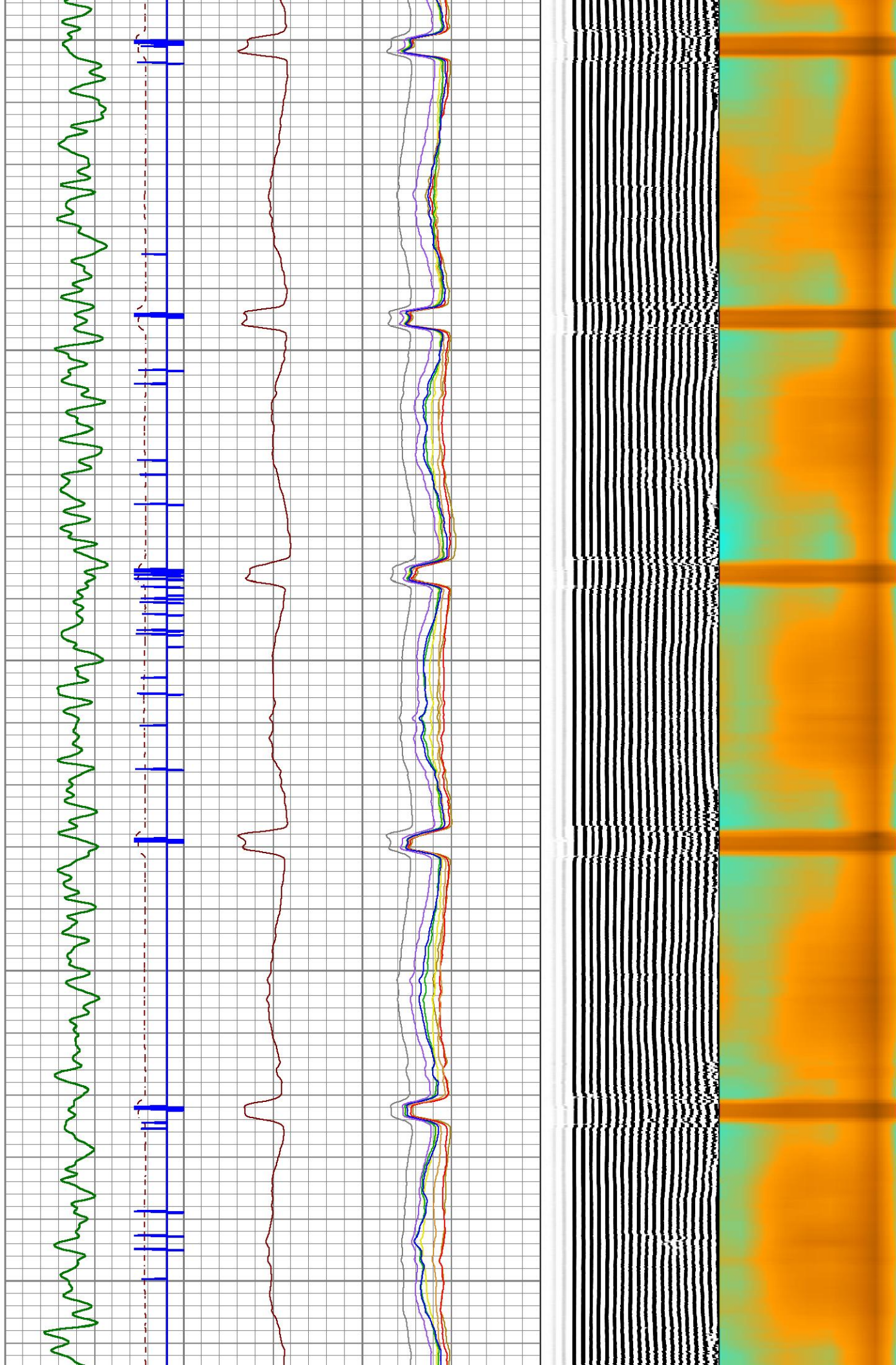
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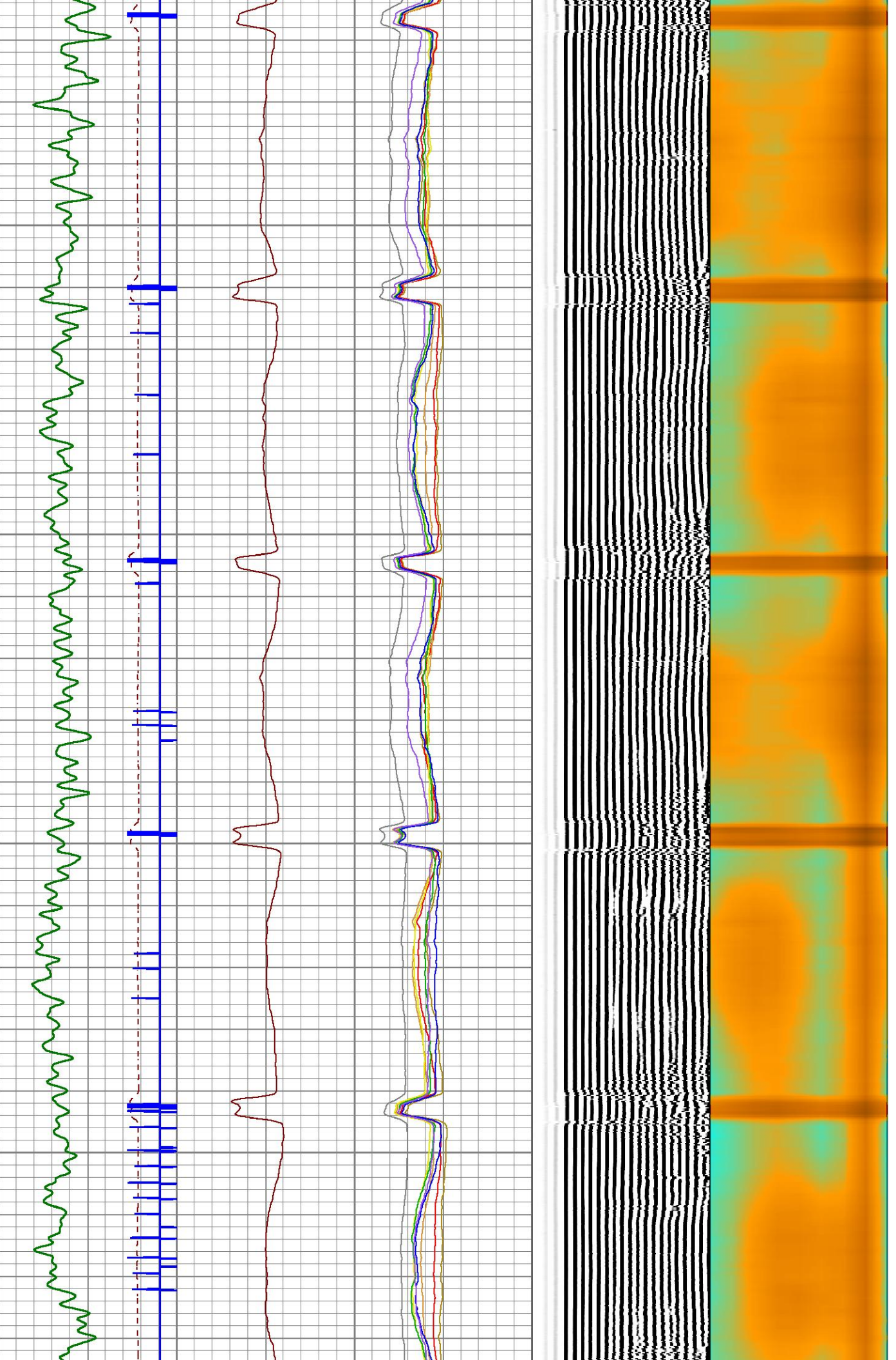
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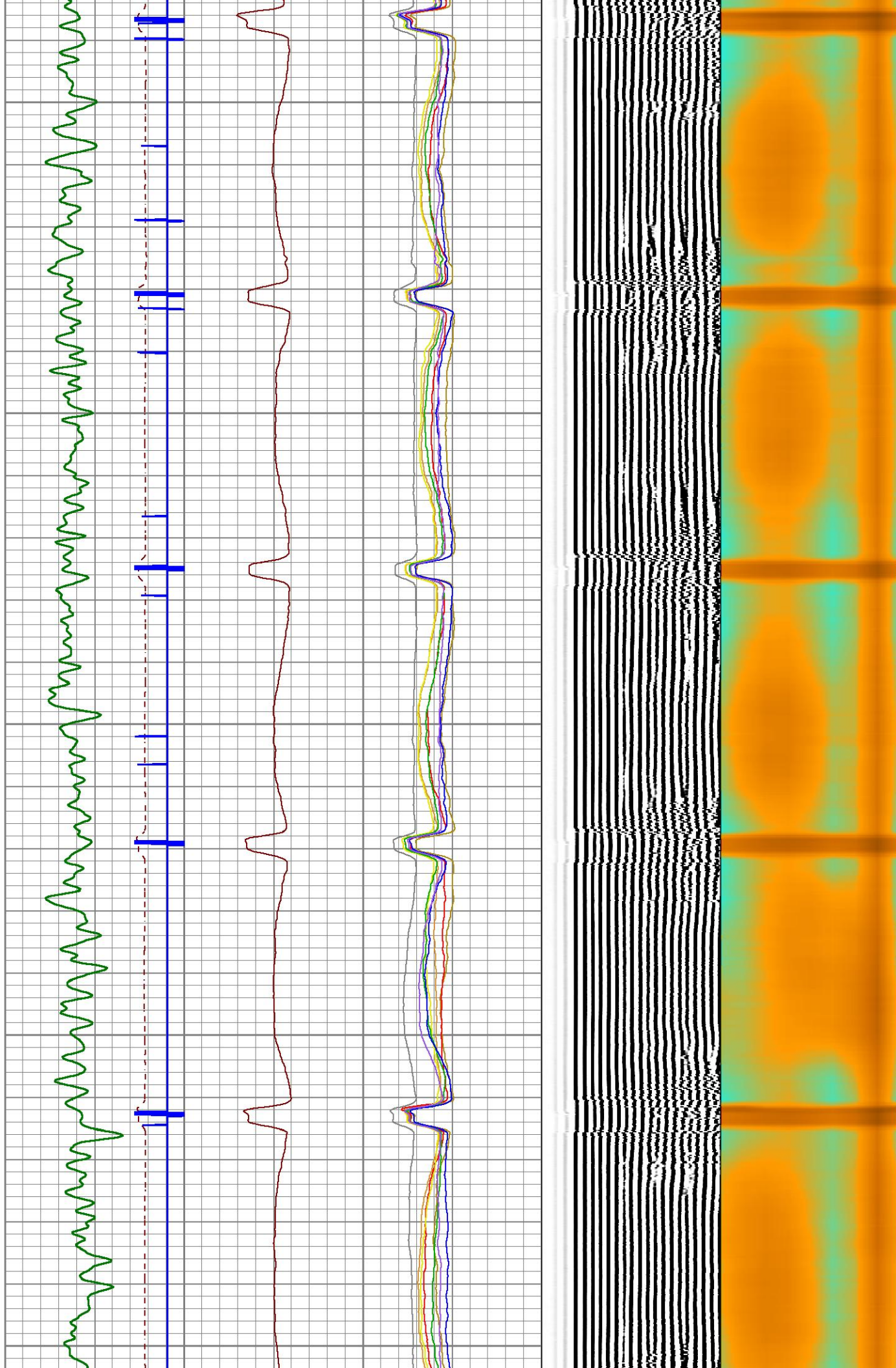
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6500



6600

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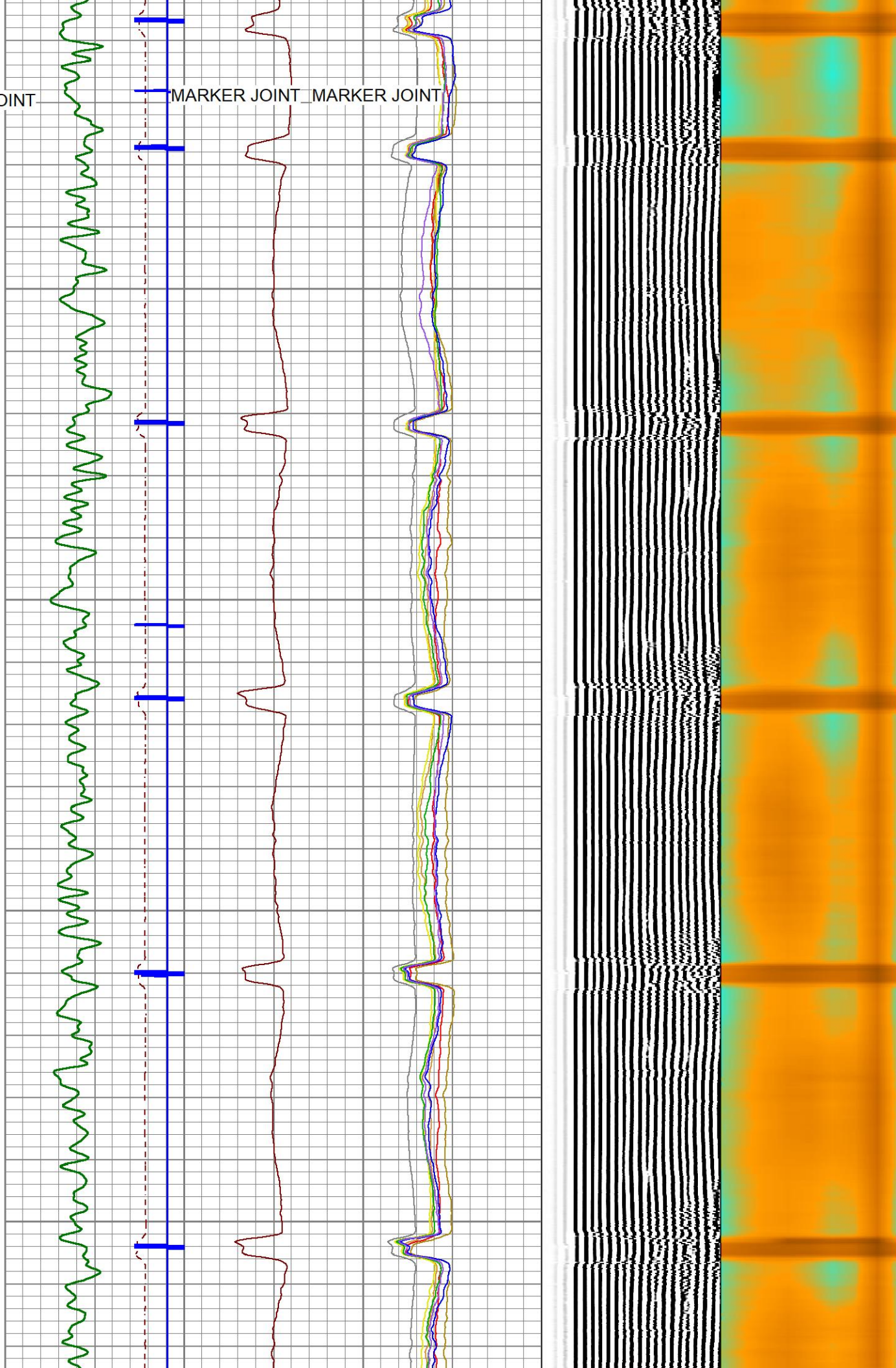


MARKER JOINT

MARKER JOINT MARKER JOINT

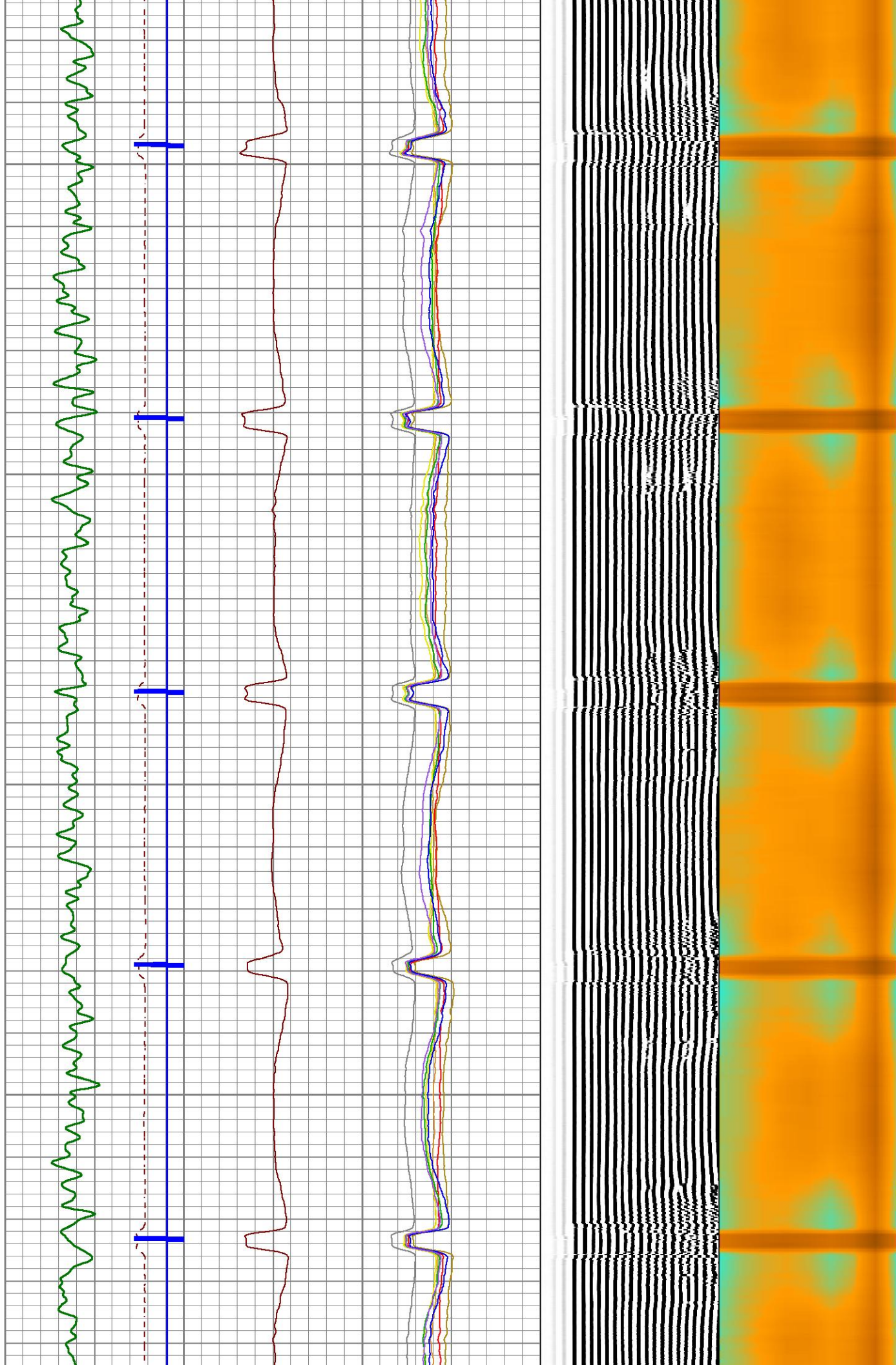
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6900



7000

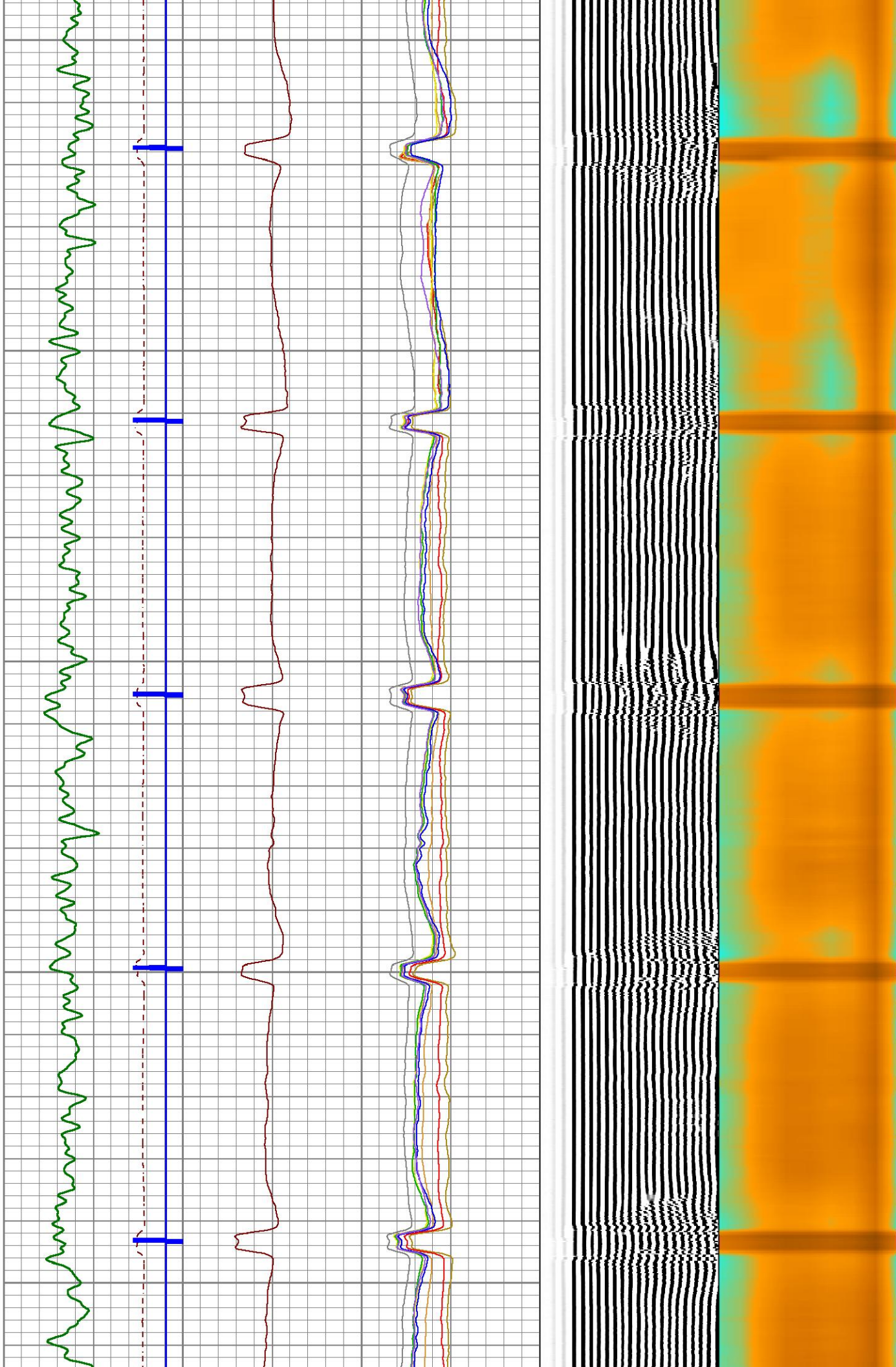
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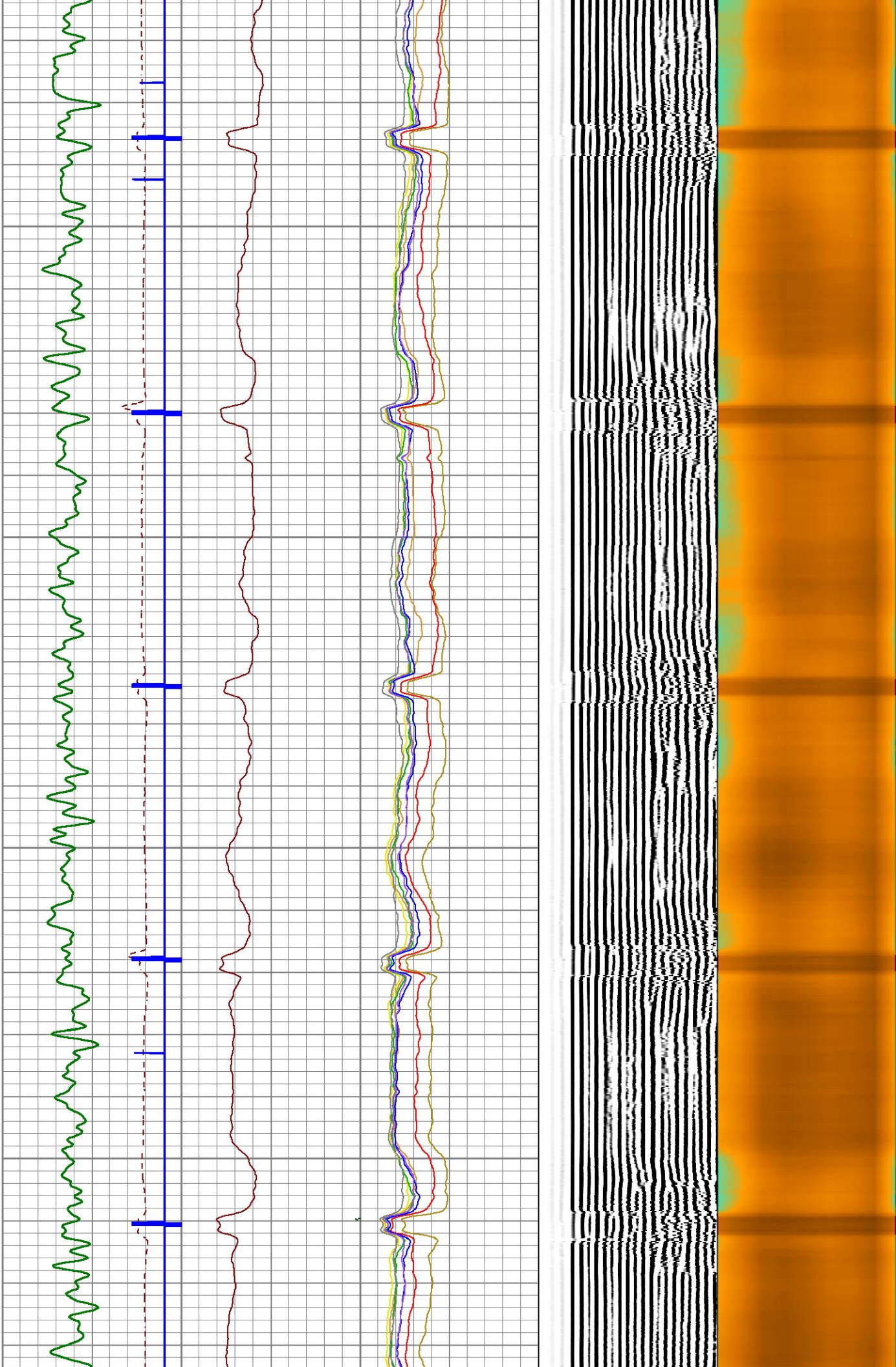
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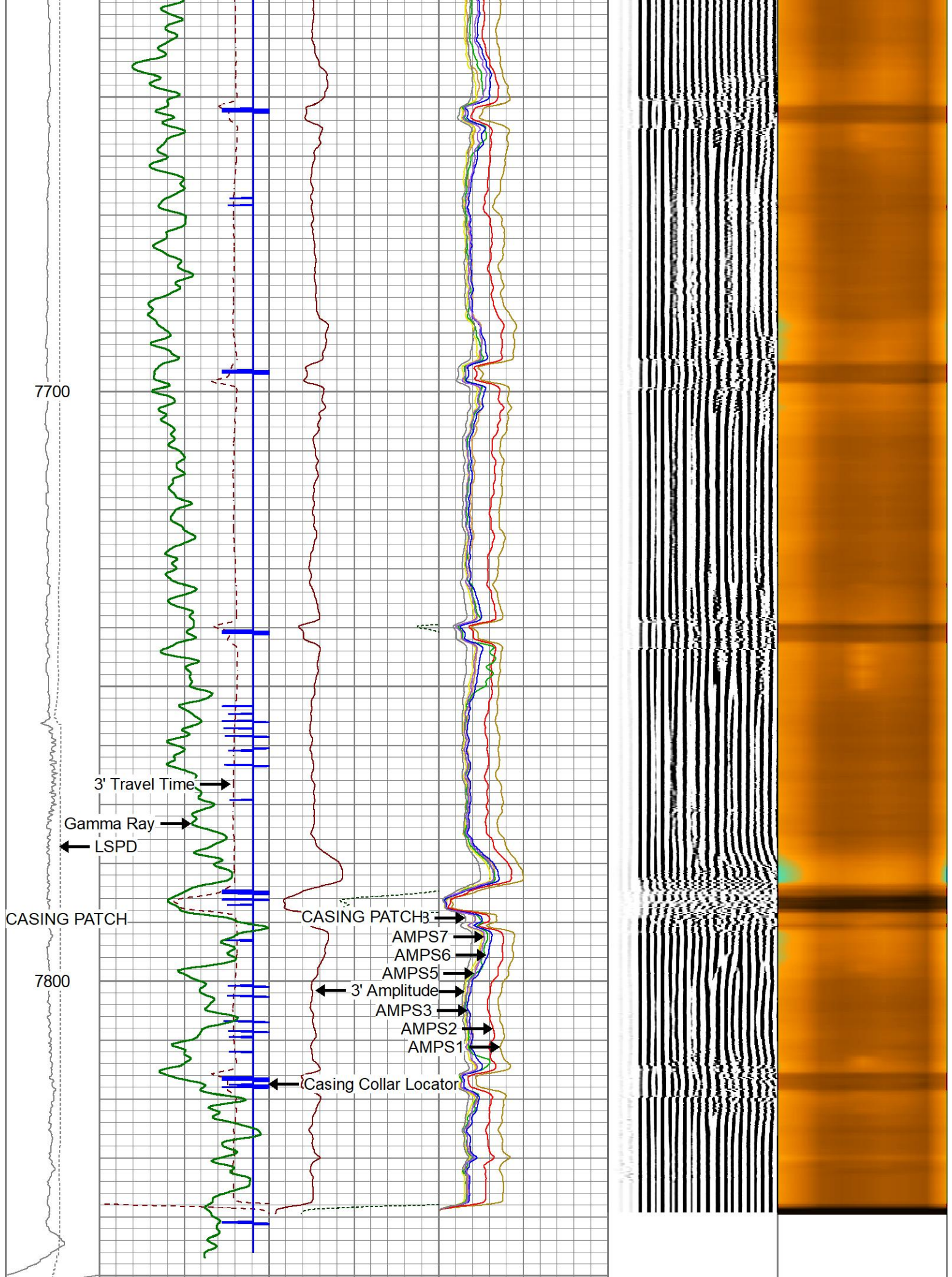
7400



7500

7600





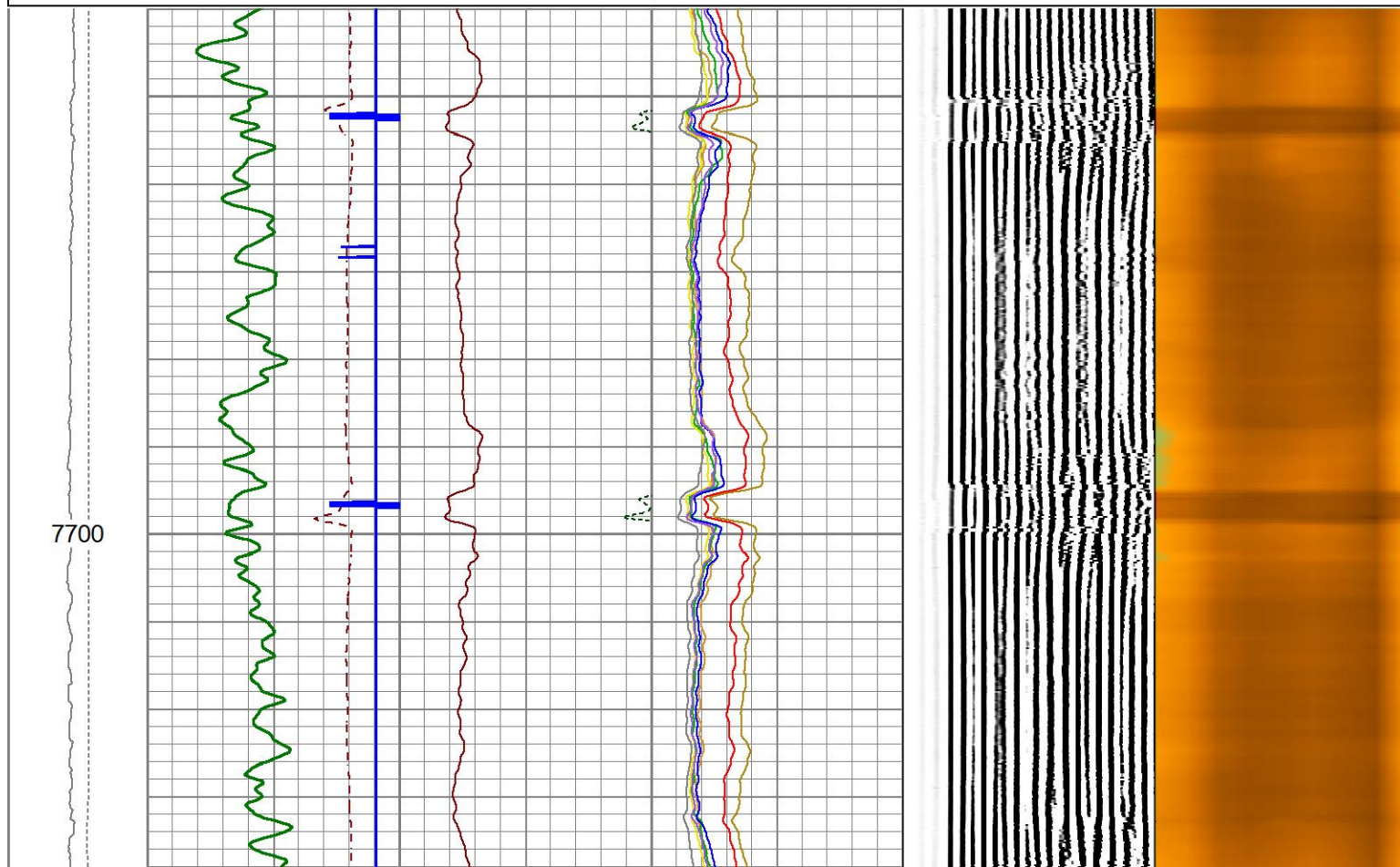
LTEN	3' Travel Time	3' Amplitude	0	AMPS1	150	5' Variable Density	1	SECTORS	8
0 (lb 1000)	400 (usec) 200	0 (mV) 100	0	AMPS2	150	200 (usec) 1200	2		80
LSPD	Casing Collar Locator	3' Amplified Amplitude	0	AMPS3	150	-409.6 (V) 409.4			
(ft/min)	Gamma Ray	0 (mV) 20	0	AMPS4	150				
500 -500	0 (GAPI) 200		0	AMPS5	150				
			0	AMPS6	150				
			0	AMPS7	150				
			0	AMPS8	150				

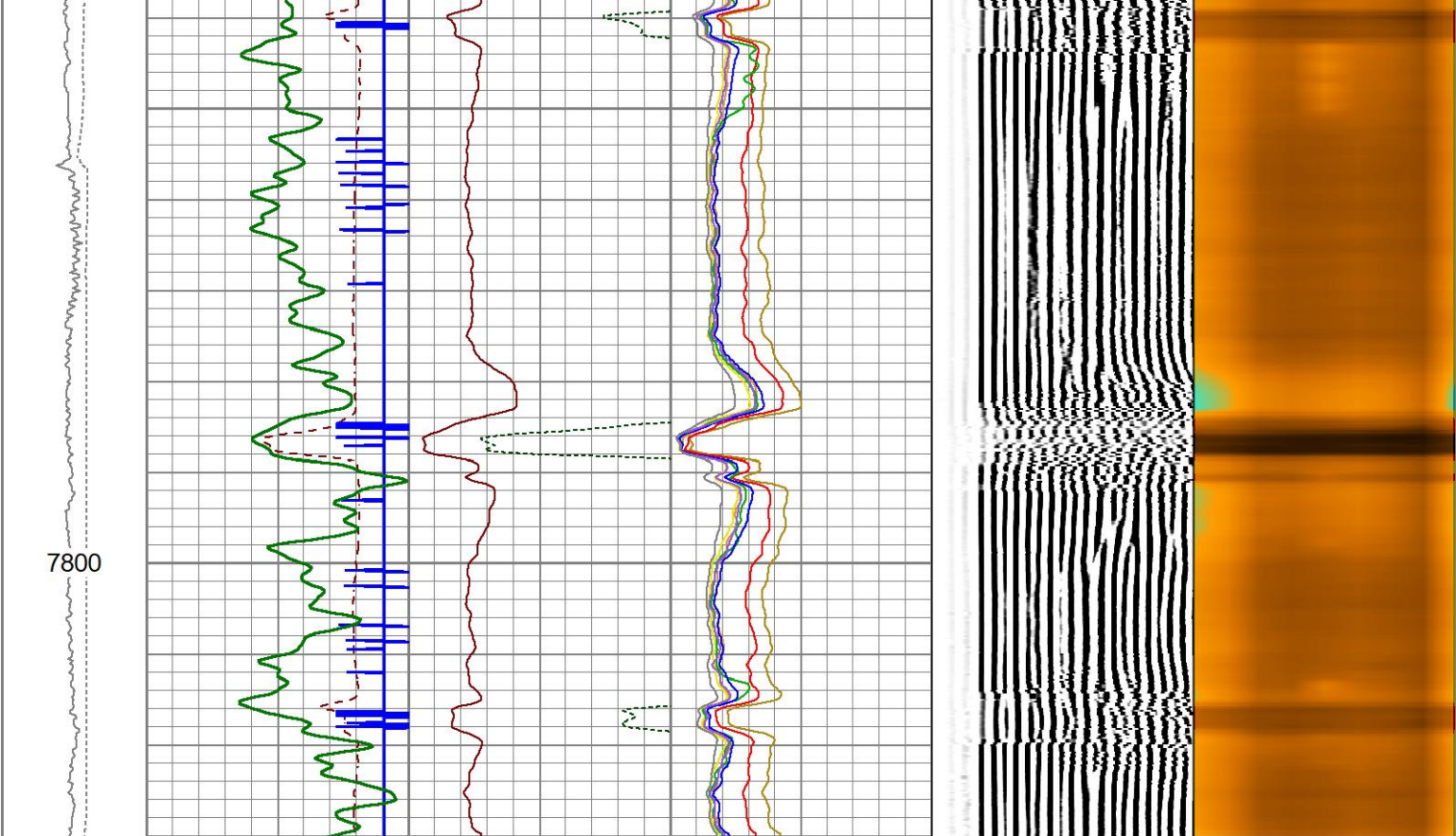


REPEAT

Database File 90643_highpoint_foxcreek_rcbl.db
 Dataset Pathname REPEAT
 Presentation Format rbl_all_8_2020
 Dataset Creation Tue Jan 07 15:01:55 2020
 Charted by Depth in Feet scaled 1:240

LTEN	3' Travel Time	3' Amplitude	0	AMPS1	150	5' Variable Density	1	SECTORS	8
0 (lb 1000)	400 (usec) 200	0 (mV) 100	0	AMPS2	150	200 (usec) 1200	2		80
LSPD	Casing Collar Locator	3' Amplified Amplitude	0	AMPS3	150	-409.6 (V) 409.4			
(ft/min)	Gamma Ray	0 (mV) 20	0	AMPS4	150				
500 -500	0 (GAPI) 200		0	AMPS5	150				
			0	AMPS6	150				
			0	AMPS7	150				
			0	AMPS8	150				





LTEN	3' Travel Time	3' Amplitude	0	AMPS1	150	5' Variable Density	1	SECTORS	8
0 (lb 1000)	400 (usec) 200	0 (mV) 100	0	AMPS2	150	200 (usec) 1200	2		80
LSPD	Casing Collar Locator	3' Amplified Amplitude	0	AMPS3	150	-409.6 (V) 409.4			
(ft/min)	Gamma Ray	0 (mV) 20	0	AMPS4	150				
500 -500	0 (GAPI) 200		0	AMPS5	150				
			0	AMPS6	150				
			0	AMPS7	150				
			0	AMPS8	150				