



**RADIAL BOND TOOL
GAMMA RAY
CCL**

Company CIVITAS RESOURCES
Well ANTELOPE M-29
Field WATTENBERG
County WELD
State COLORADO
Country USA

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Location: 40.367490 / -104.351220
API #: 05-123-35244
Other Services
Permanent Datum SEC 29 TWP 5N RGE 62W
Log Measured From KB Elevation 4590'
Drilling Measured From KB
Elevation K.B: 4600'
D.F: 4599'
G.L: 4590'

Date	JULY 8, 2025
Run Number	1
Depth Driller	6929'
Depth Logger	6220'
Bottom Logged Interval	6218'
Top Log Interval	SURFACE
Open Hole Size	7+7/8
Type Fluid	WATER
Density / Viscosity	---
Max. Recorded Temp.	NOT RECORDED
Estimated Cement Top	---
Time Well Ready	ROA
Time Logger on Bottom	---
Equipment Number	3814
Location	PLATTEVILLE CO
Recorded By	RICK MARTINEZ
Witnessed By	RICK SHEETS

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

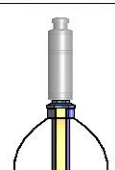
Casing Record	Size	Mgt/Ft	Top	Bottom
Surface String	8+5/8	24	SURFACE	475'
Prot. String				
Production String	4+1/2	11.6	SURFACE	TOTAL DEPTH
Liner				

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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 CORRELATED TO 10' KB
LOG RECORDED WITH 500 PSI INDUCED PRESSURE
VOID IN ANNULUS INDICATED FROM 130' TO SURFACE**

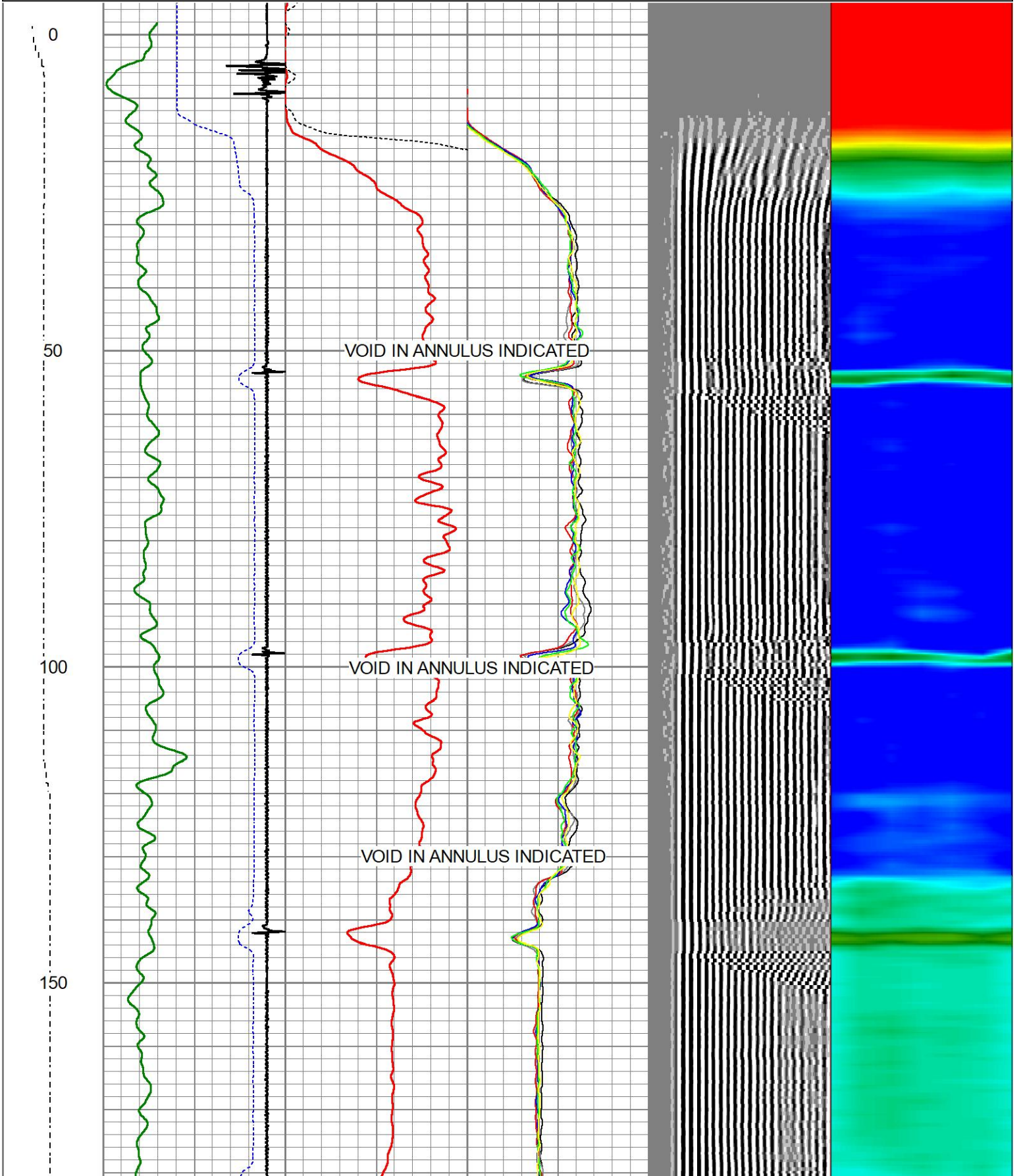
Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			Cable_Head-1_7/16 Titan 1 7/16" Cable Head	1.02	1.44	3.31

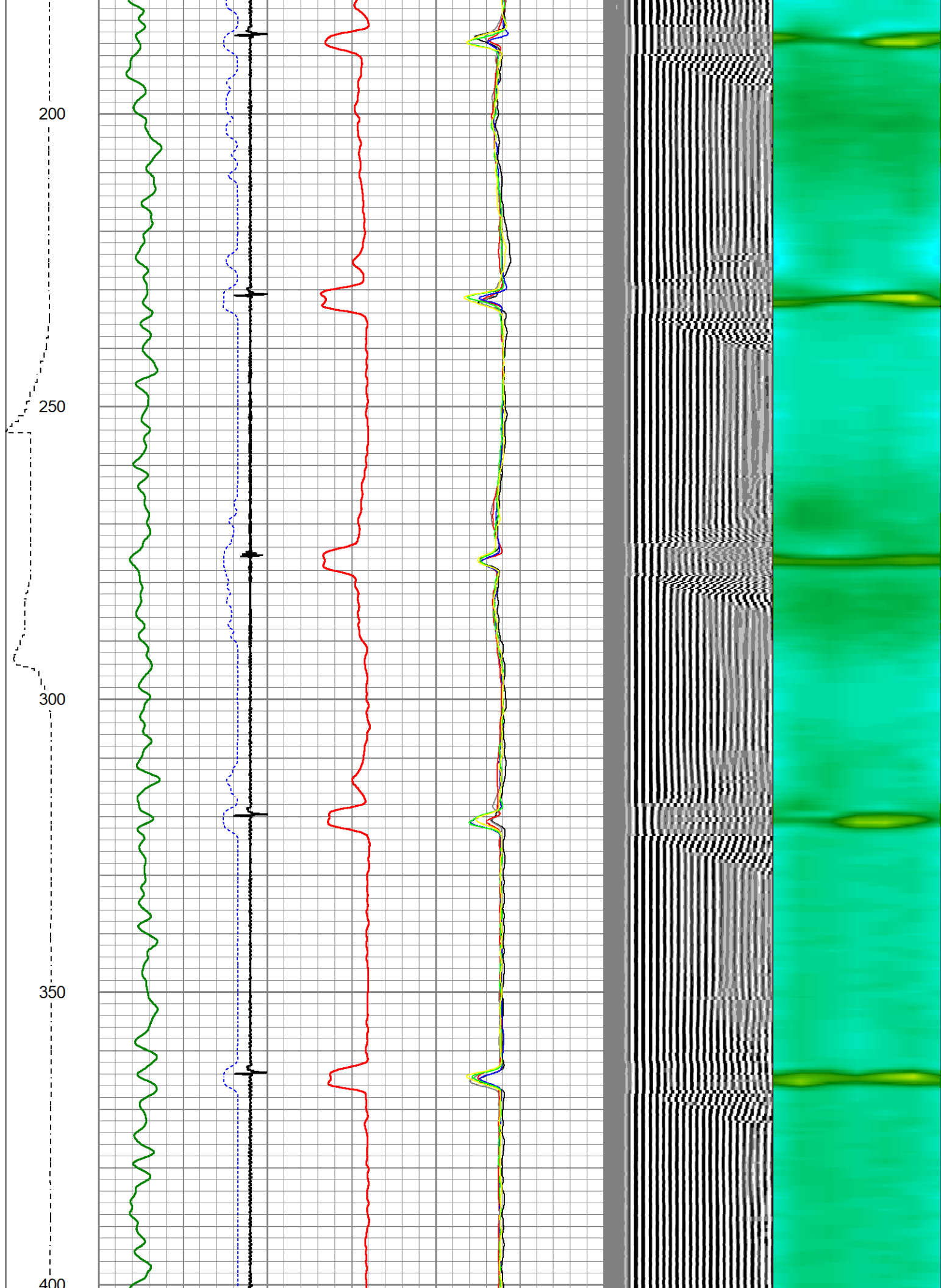
				CENT-1.69variable 1.69" Centrilizer Variable Length	2.17	1.69	15.00
T_INT	18.43						
TEMP	16.59						
WVFS6	15.18						
WVFS5	15.18			SCBLTEKSLIM-Titan-8110-1686NPE (IEHN3 03)	9.68	1.69	52.00
WVFS4	15.18			Hunting Titan 375 deg F RIB w I/E Temp			
WVFS3	15.18						
WVFS2	15.18						
WVFS1	15.18						
WVF3FT	14.43						
WVF5FT	13.43						
WVFSYNC	10.10						
WVFTEMP	10.10						
WVFMEAS2	10.10						
WVFCAL	10.10			CENT-1.69variable 1.69" Centrilizer Variable Length	2.17	1.69	15.00
CCL	6.86			CCL-Titan-8030-16892 (8030-16892-XXXX) Hunting Titan 1 11/16" 450 Deg. F Logging CCL	1.67	1.69	10.00
GR	3.44			GR-Titan-8000-16892 (8000-16892-XXXX) Hunting Titan 1 11/16" 450° F Logging Gamma Ray	3.82	1.69	18.00
				CENT-1.69variable 1.69" Centrilizer Variable Length	2.17	1.69	15.00
				1_11/16-Titan GO Pin Pressure Cap	0.27	1.38	2.00

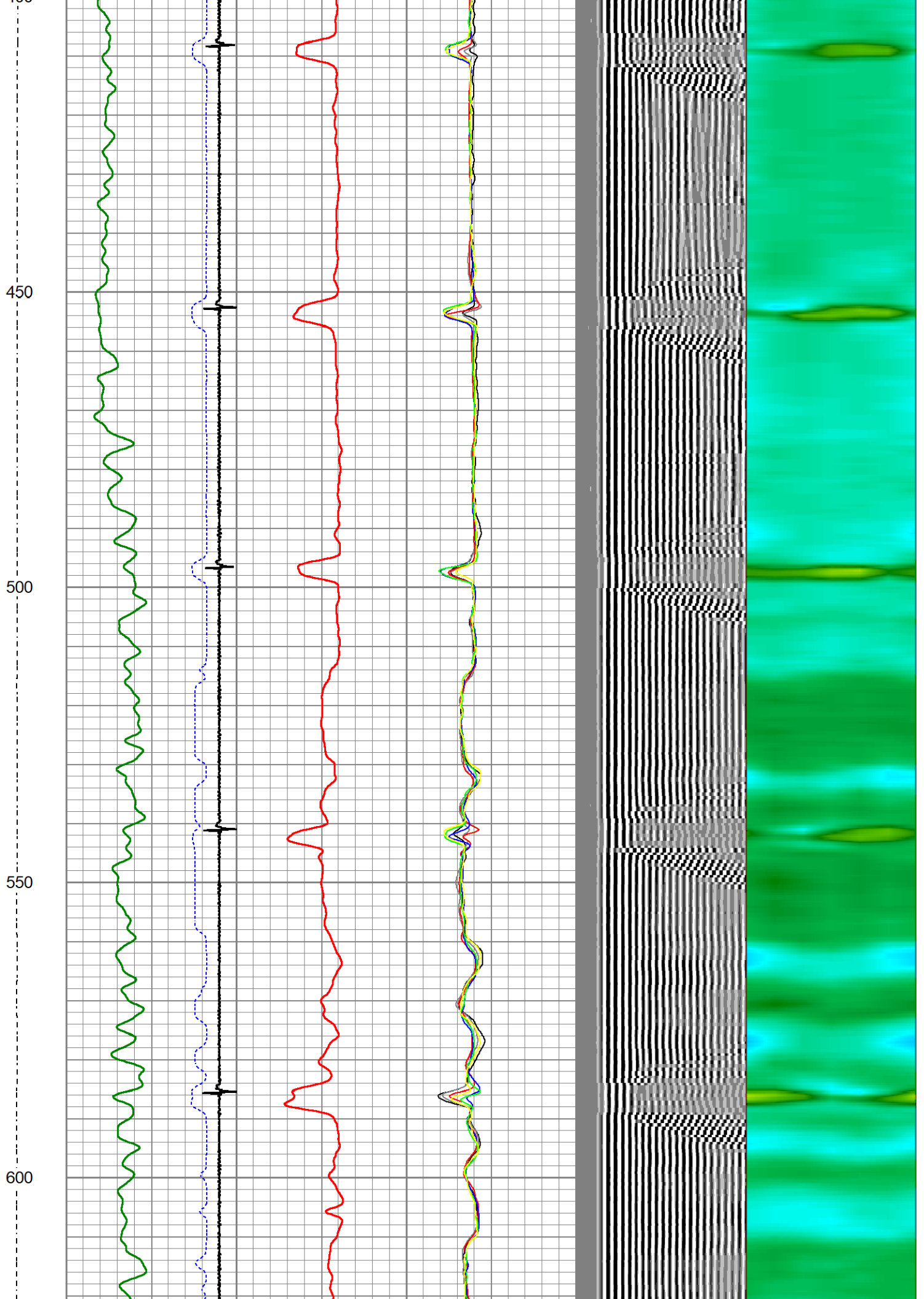
Dataset: cbl antelope m-29.db: field/well/run1/pass3
 Total length: 22.96 ft
 Total weight: 130.31 lb
 O.D.: 1.69 in

Database File cbl antelope m-29.db
 Dataset Pathname pass3
 Presentation Format ips_rbtcolorcivitas
 Dataset Creation Tue Jul 08 09:25:55 2025
 Charted by Depth in Feet scaled 1:240

LSPD	650	TT (usec)	150	0	AMP (mV)	100	0	AMPS1	150	200	VDL (usec)	1200	1	Cement Map	6
(ft/min)	-9	CCL	1	0	Amplified Amplitude	0	0	AMPS2	150						
0	250	GR	200	0	(mV)	20	0	AMPS3	150						
	200	GR	400				0	AMPS4	150						
							0	AMPS5	150						
							0	AMPS6	150						





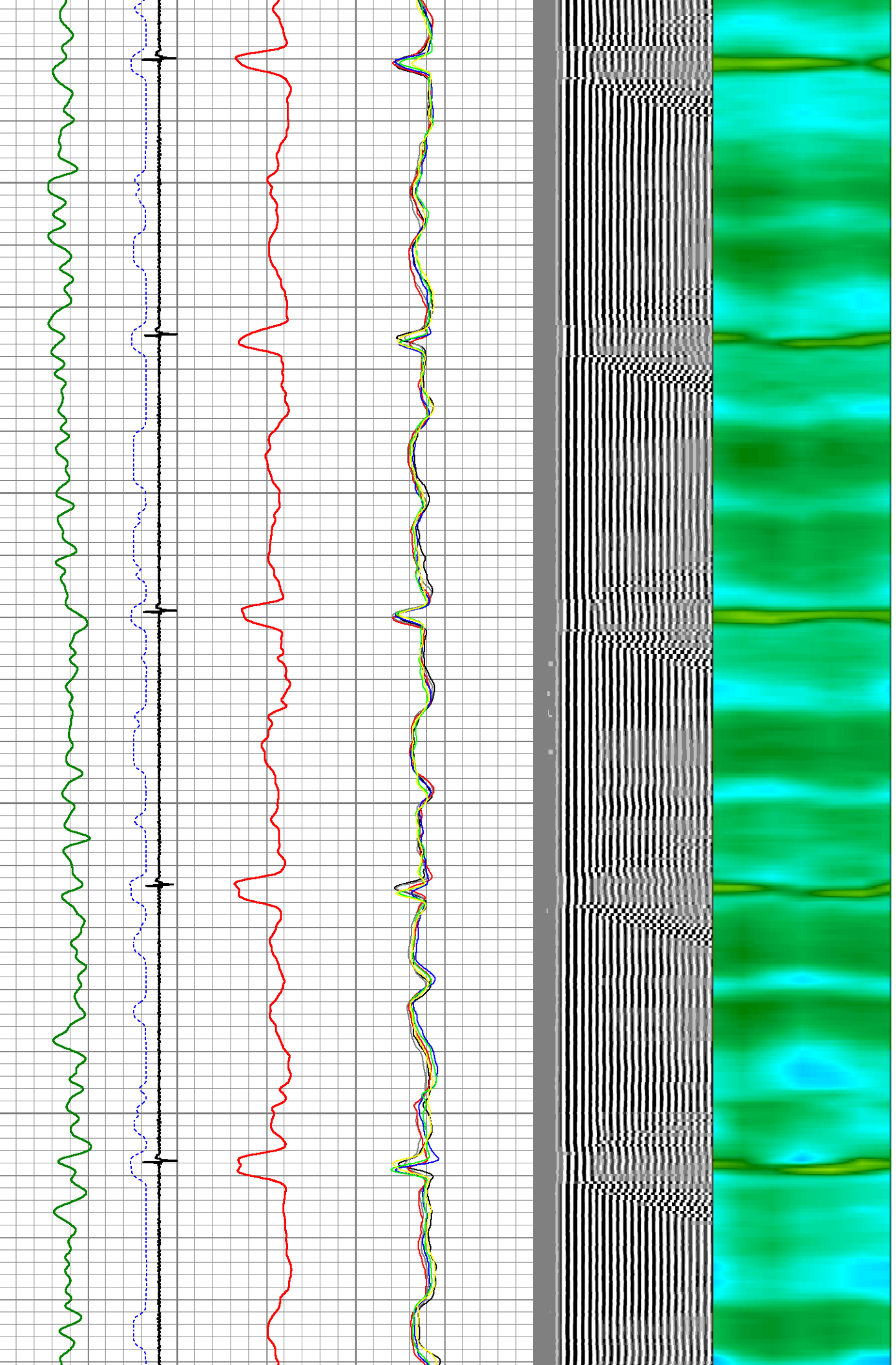


650

700

750

800



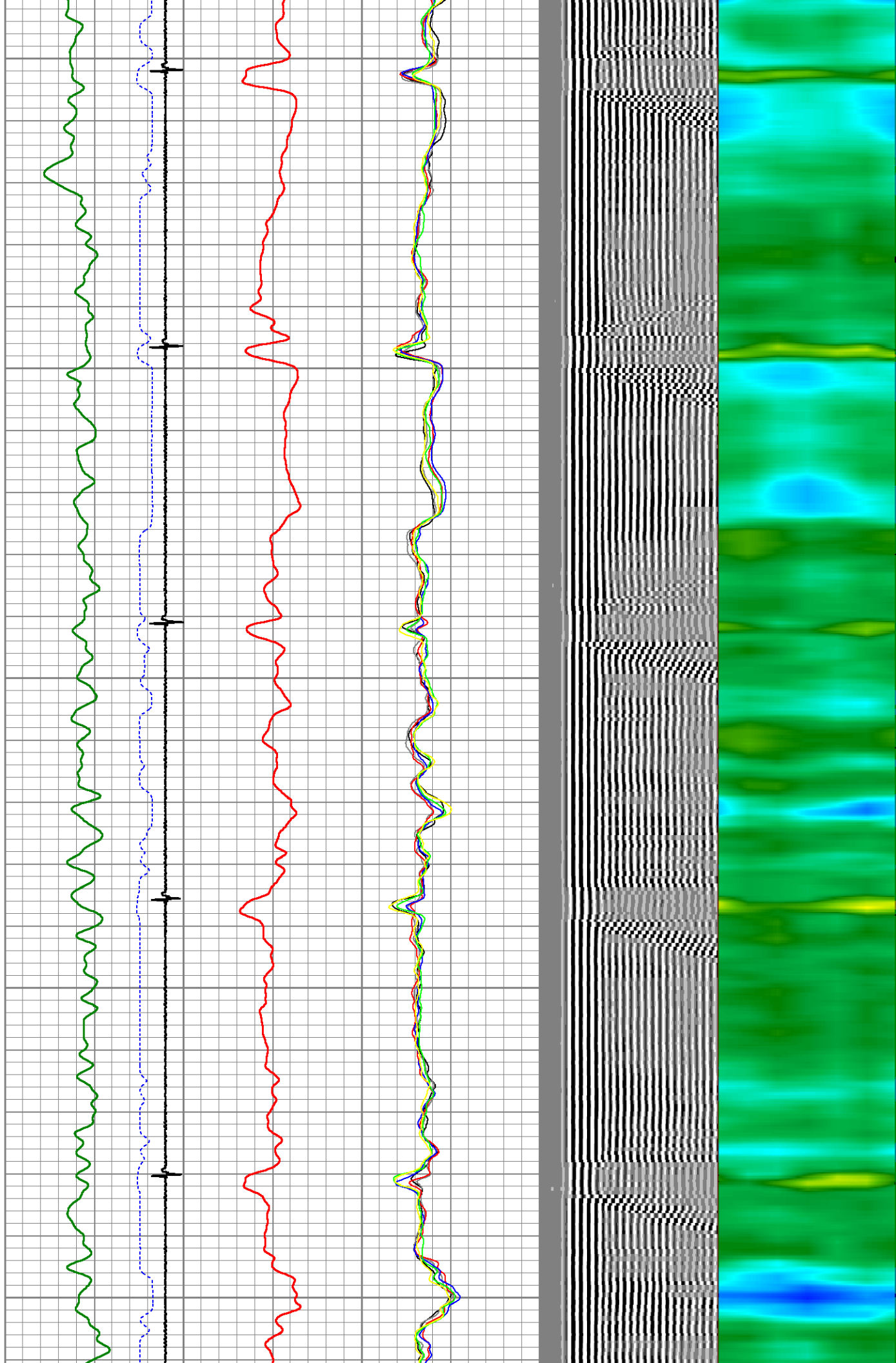
850

900

950

1000

1050

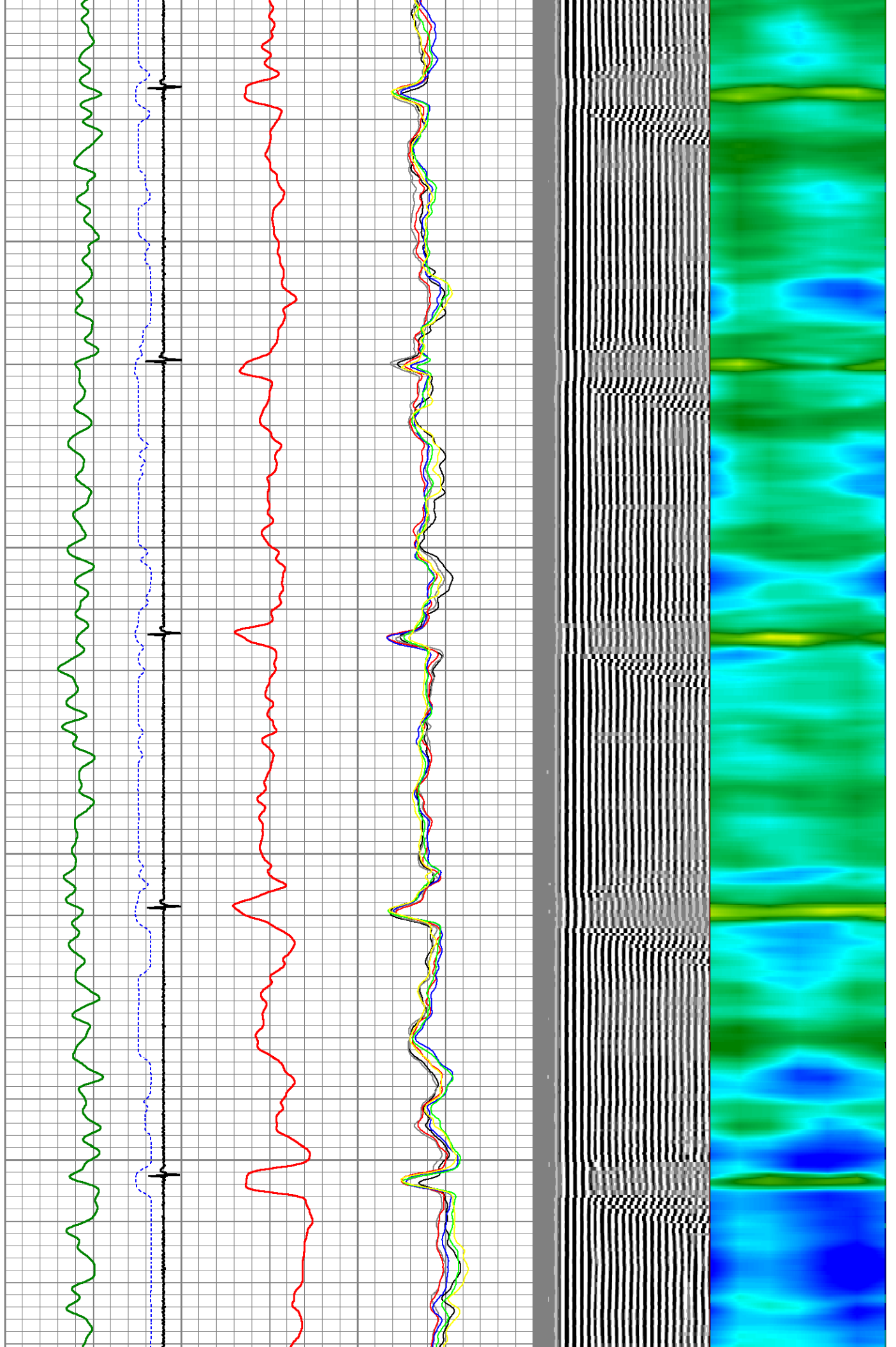


1100

1150

1200

1250



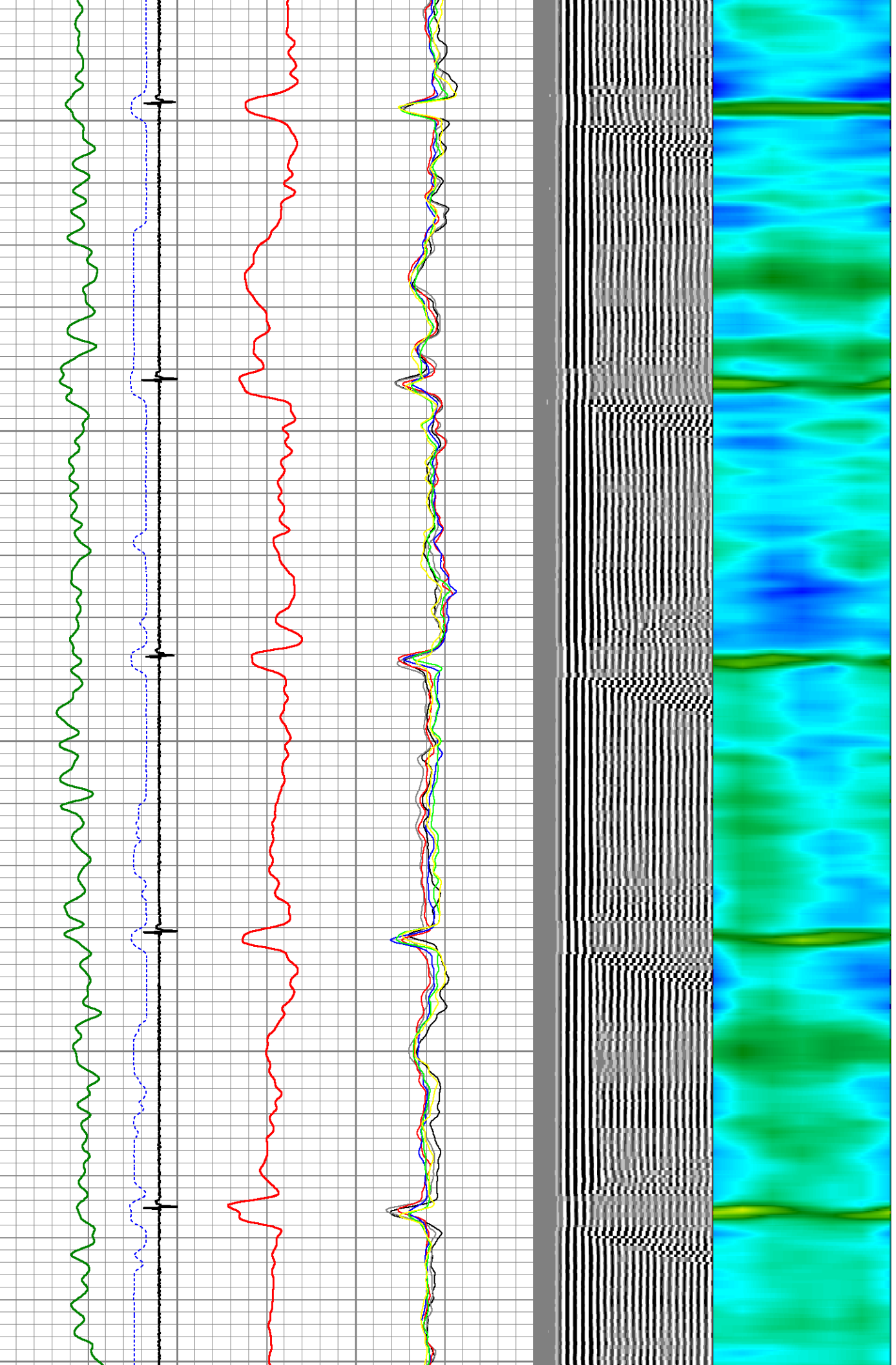
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1350

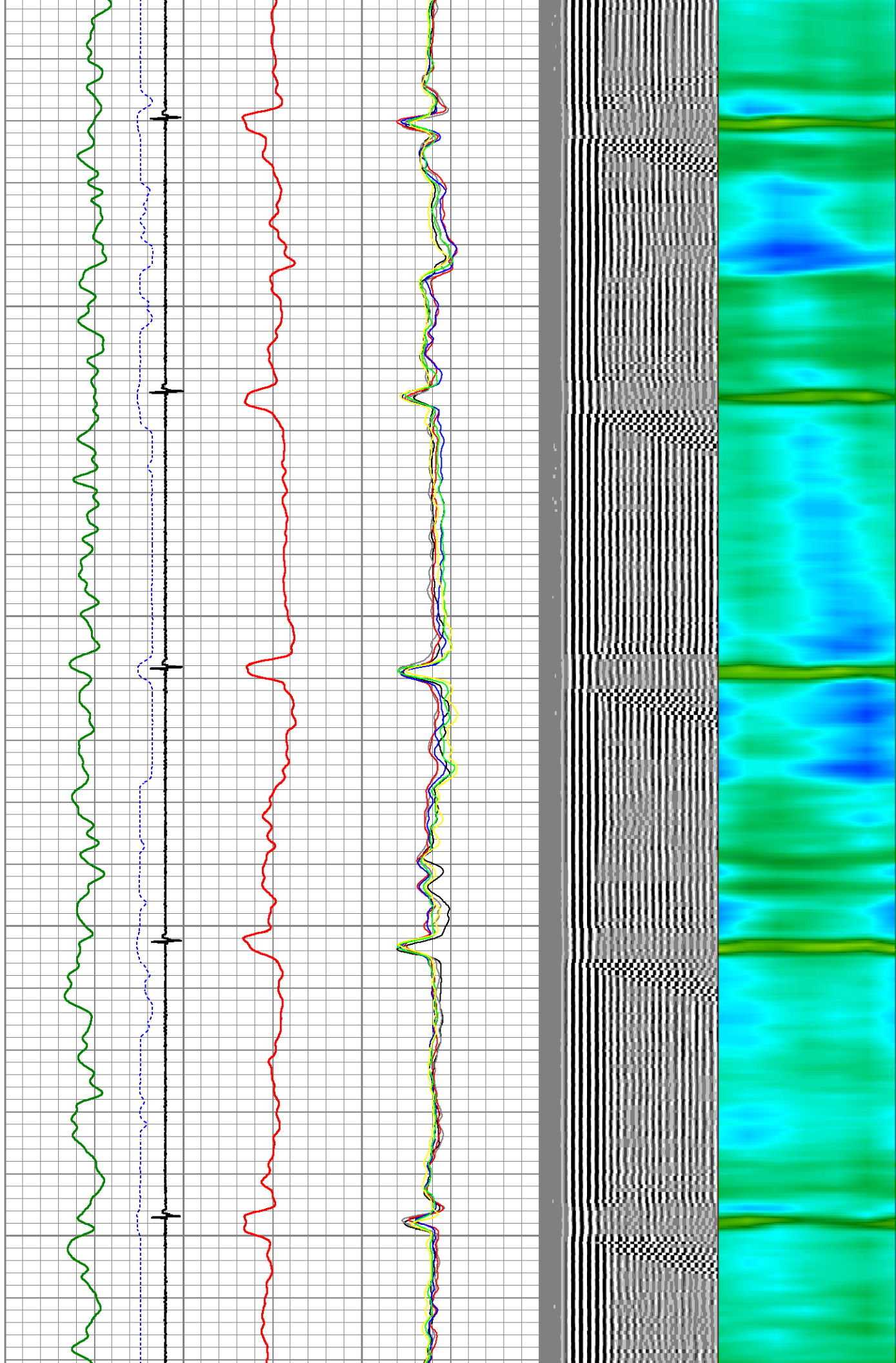
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1450

1500



1680
1550
1600
1650
1700

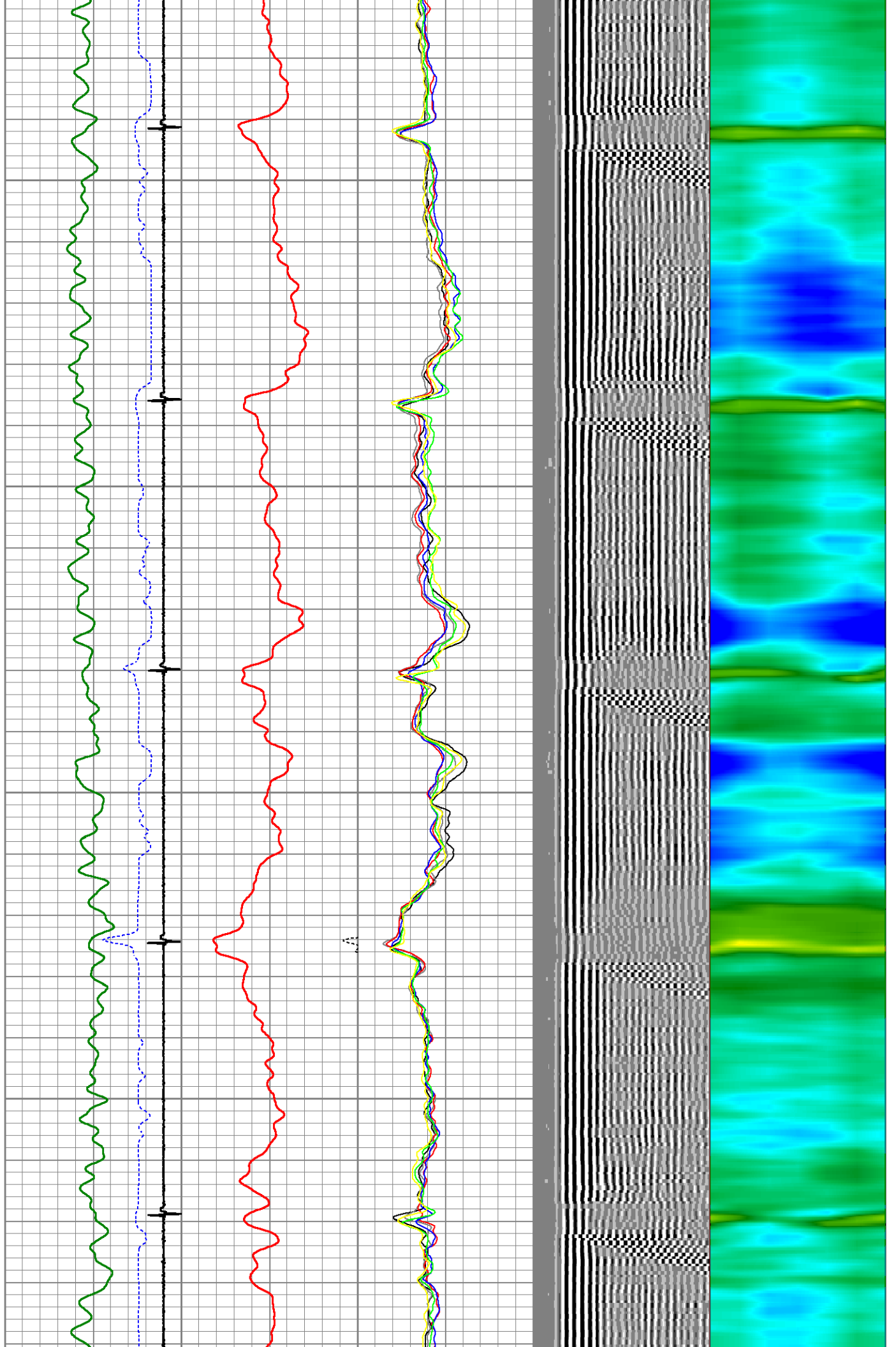


1750

1800

1850

1900



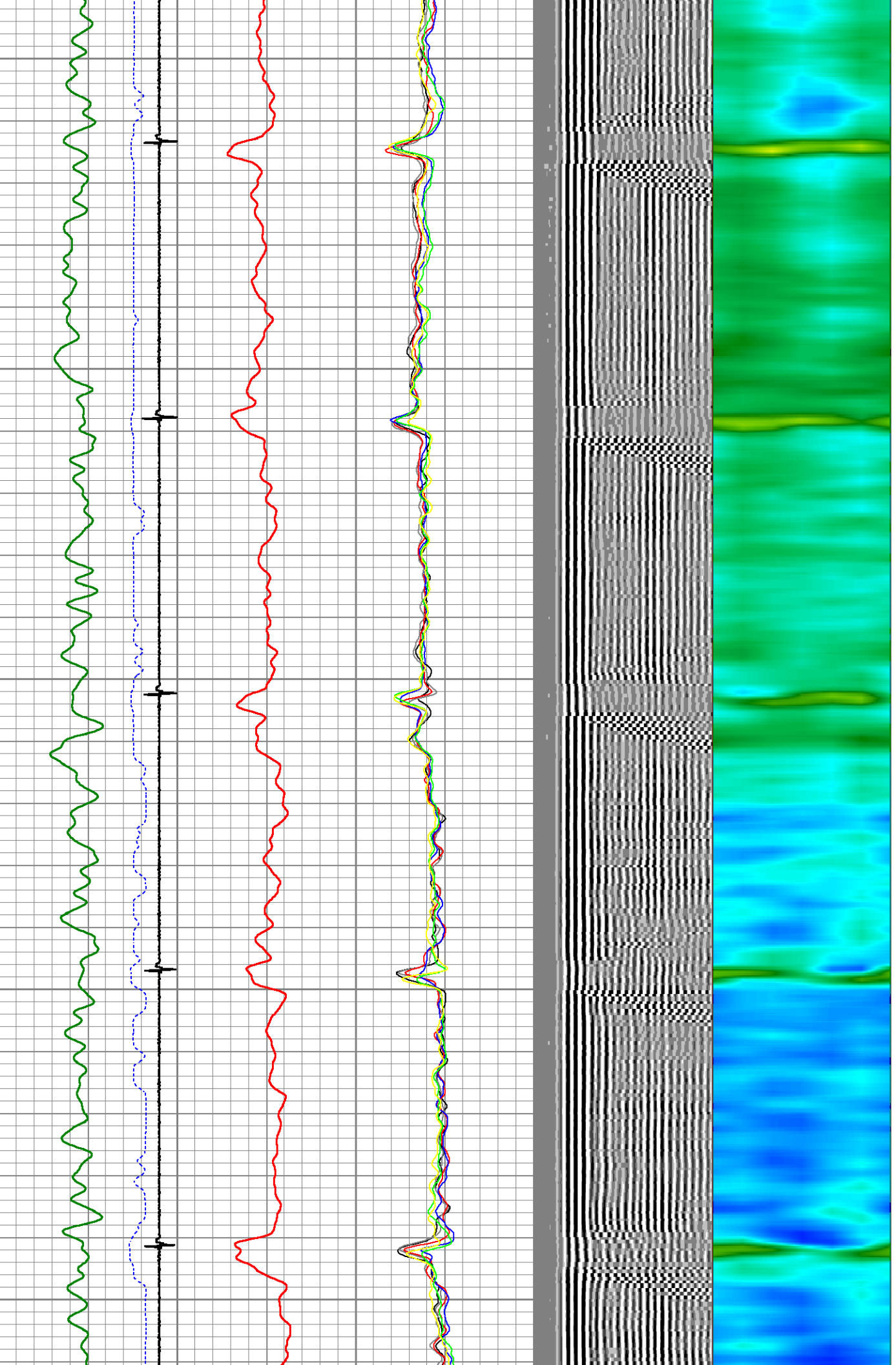
1950

2000

2050

2100

2150

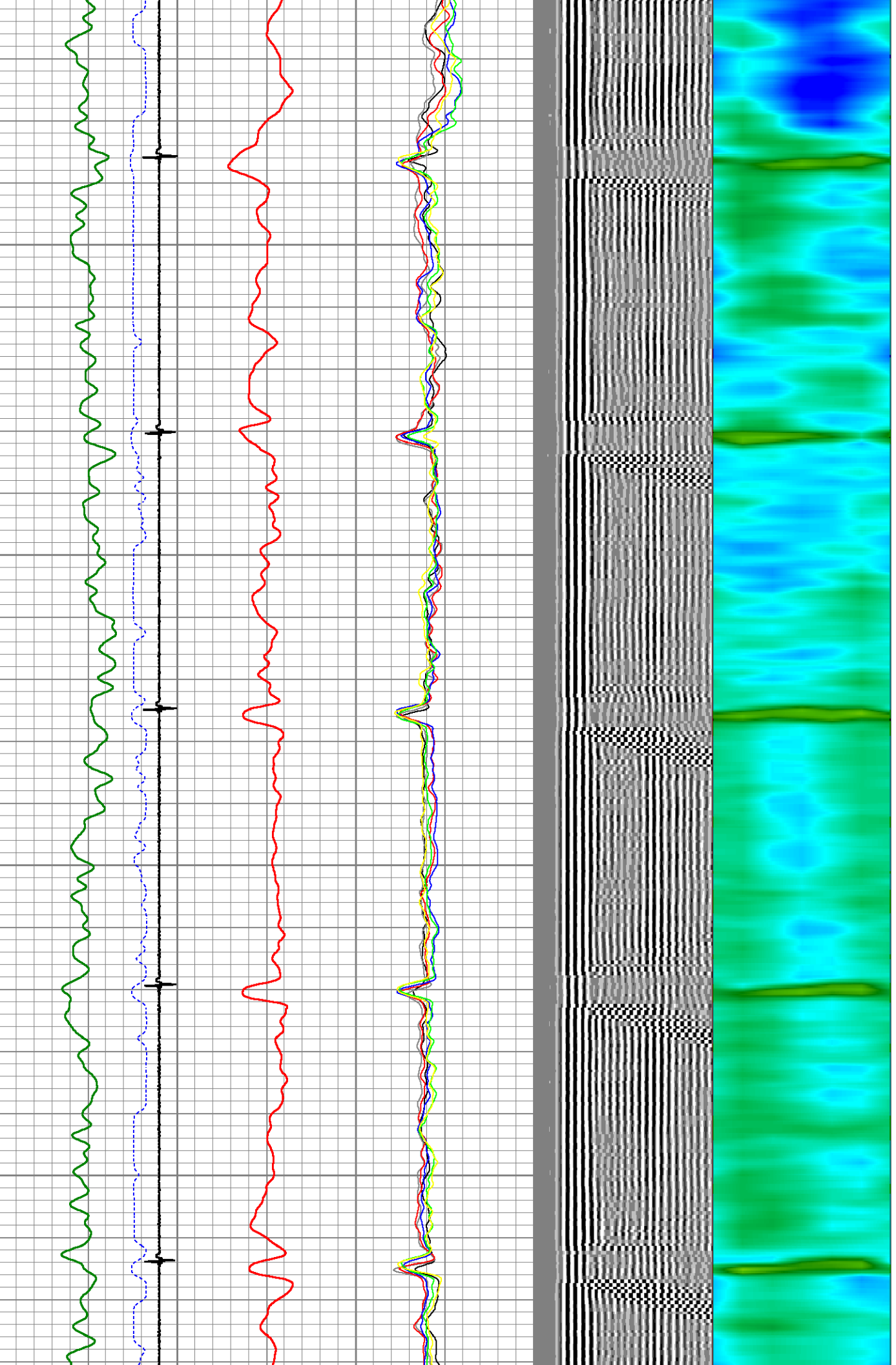


2200

2250

2300

2350



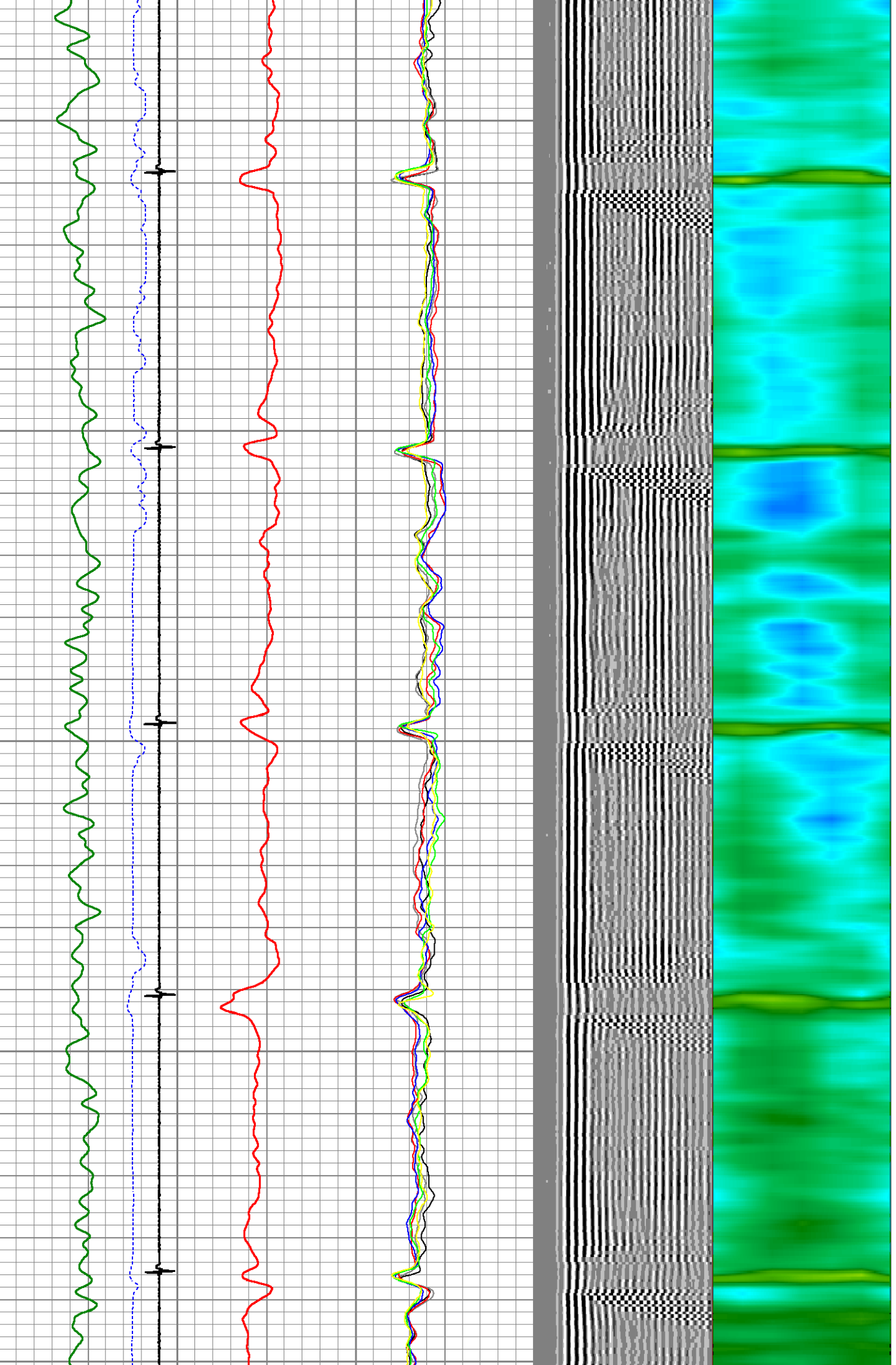
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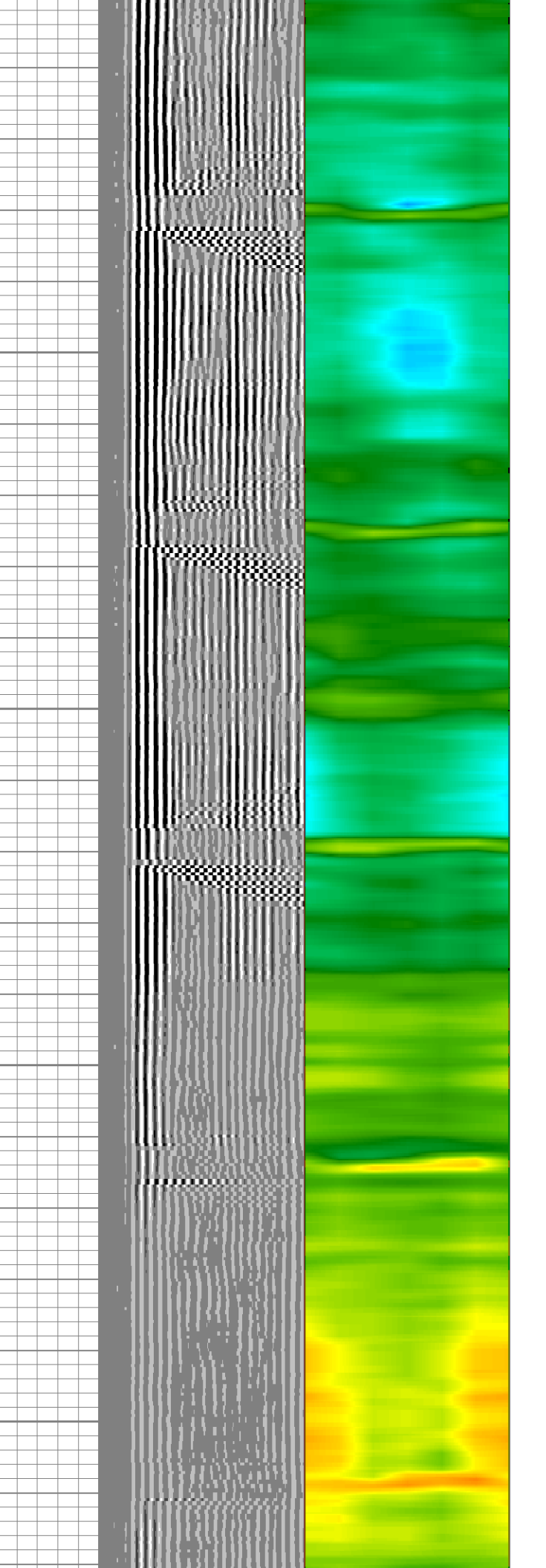
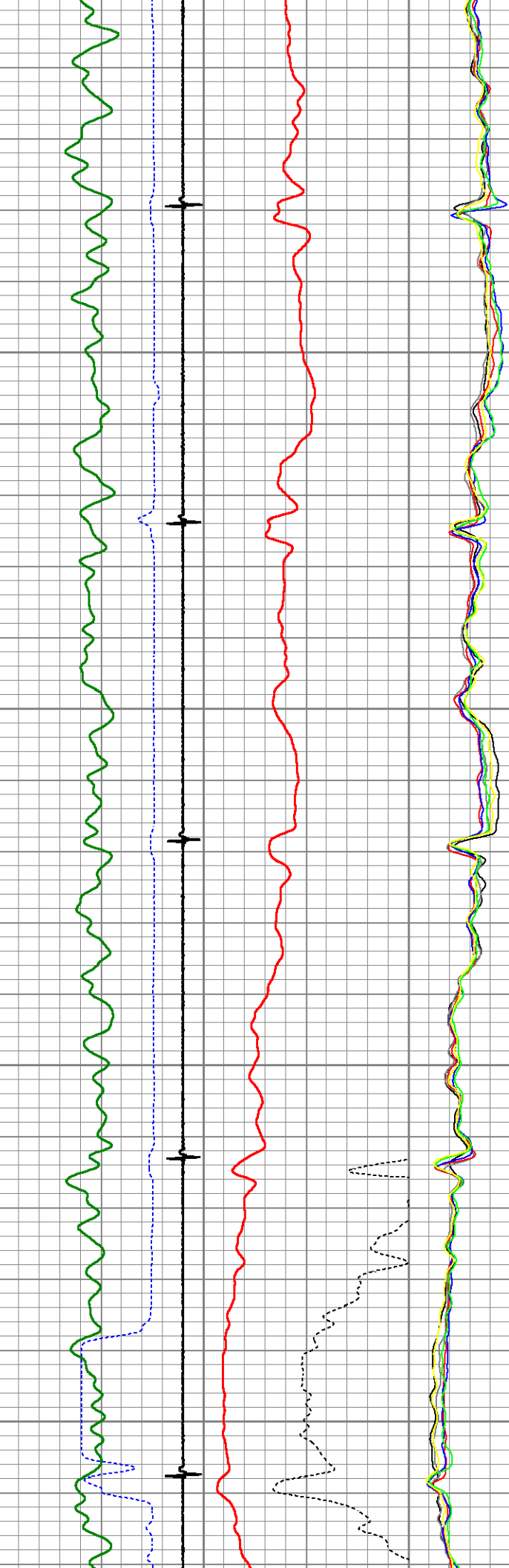
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2550

2600



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2750
2700
2650

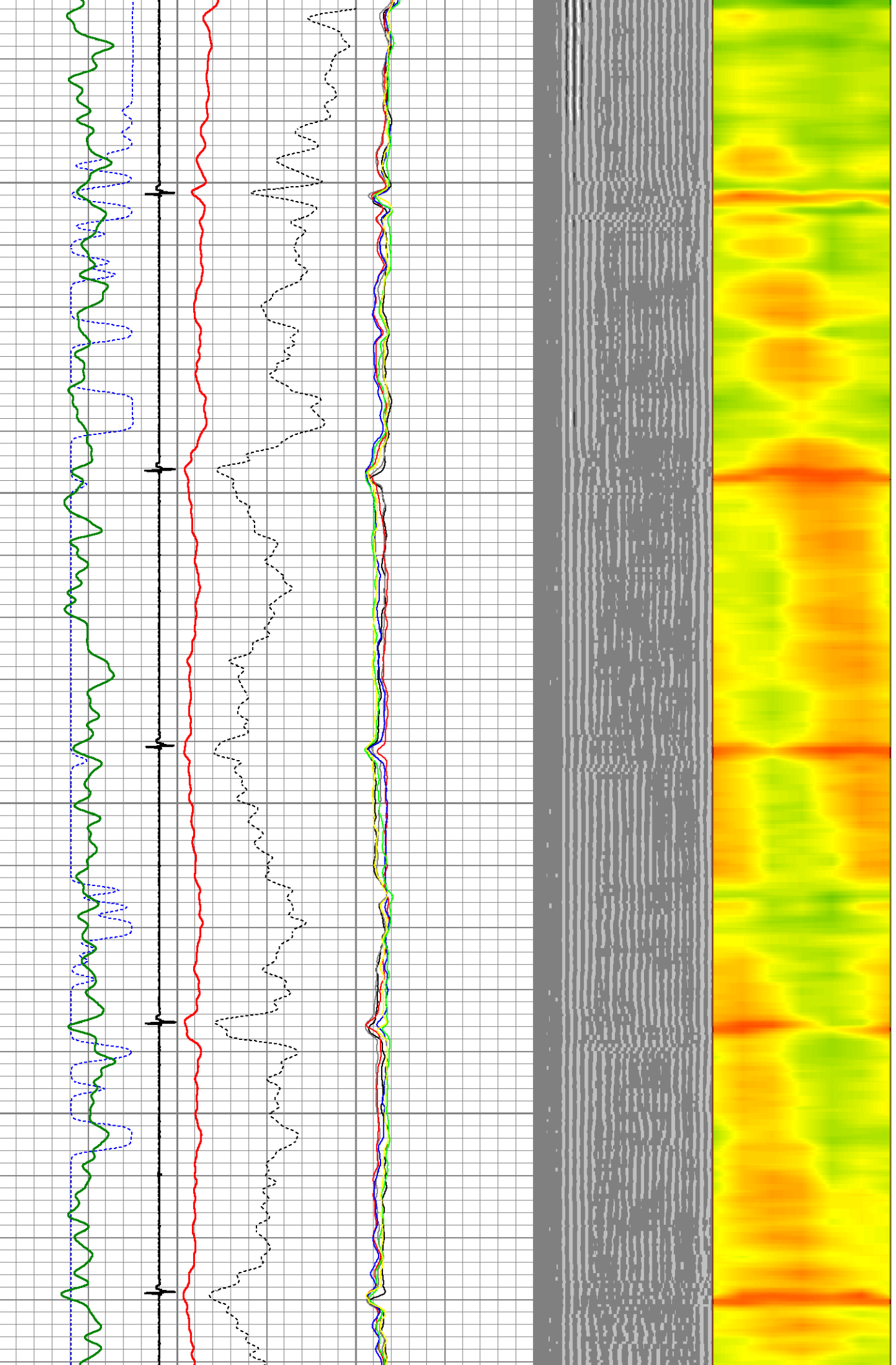


2850

2900

2950

3000



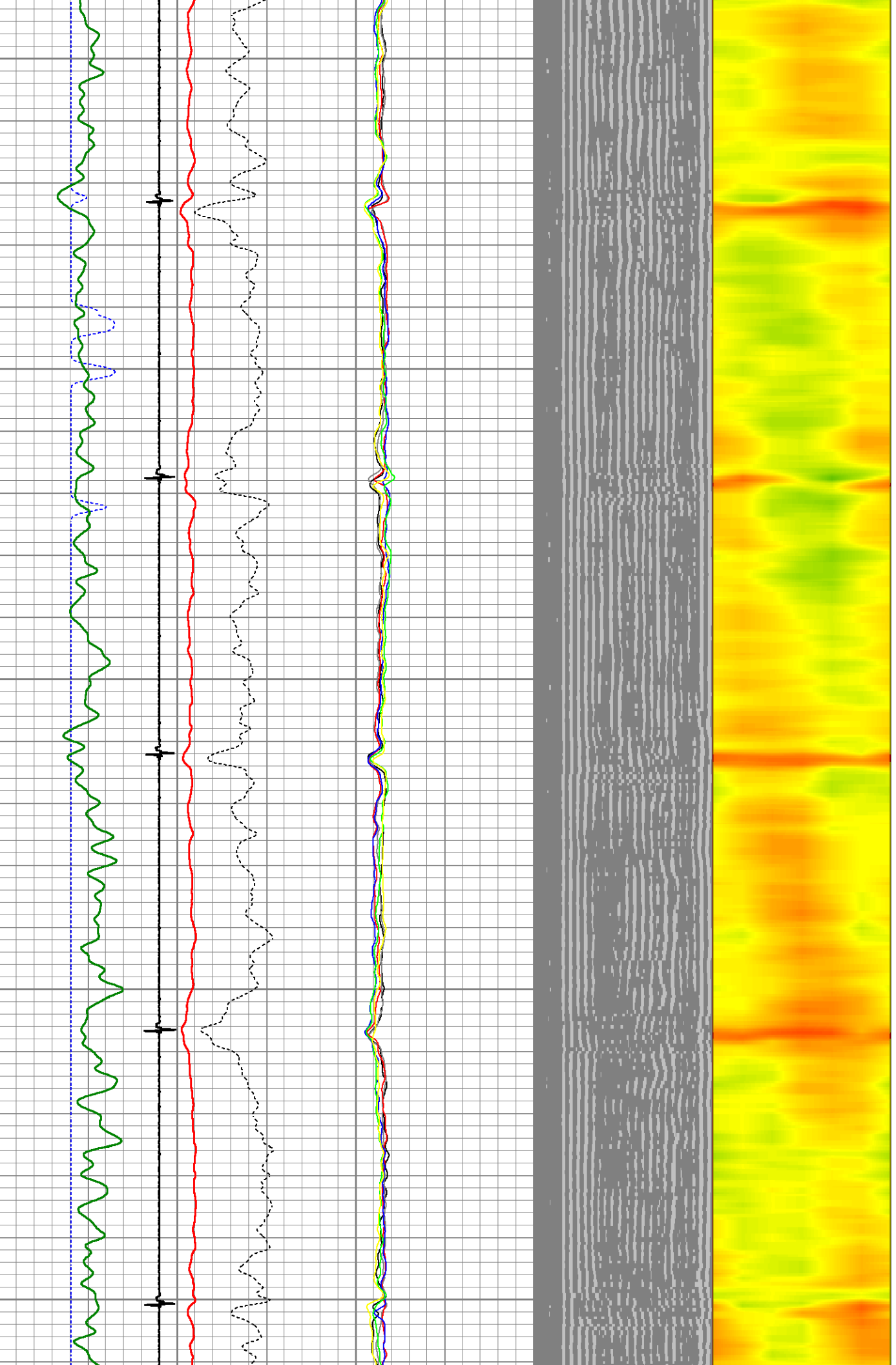
3050

3100

3150

3200

3250

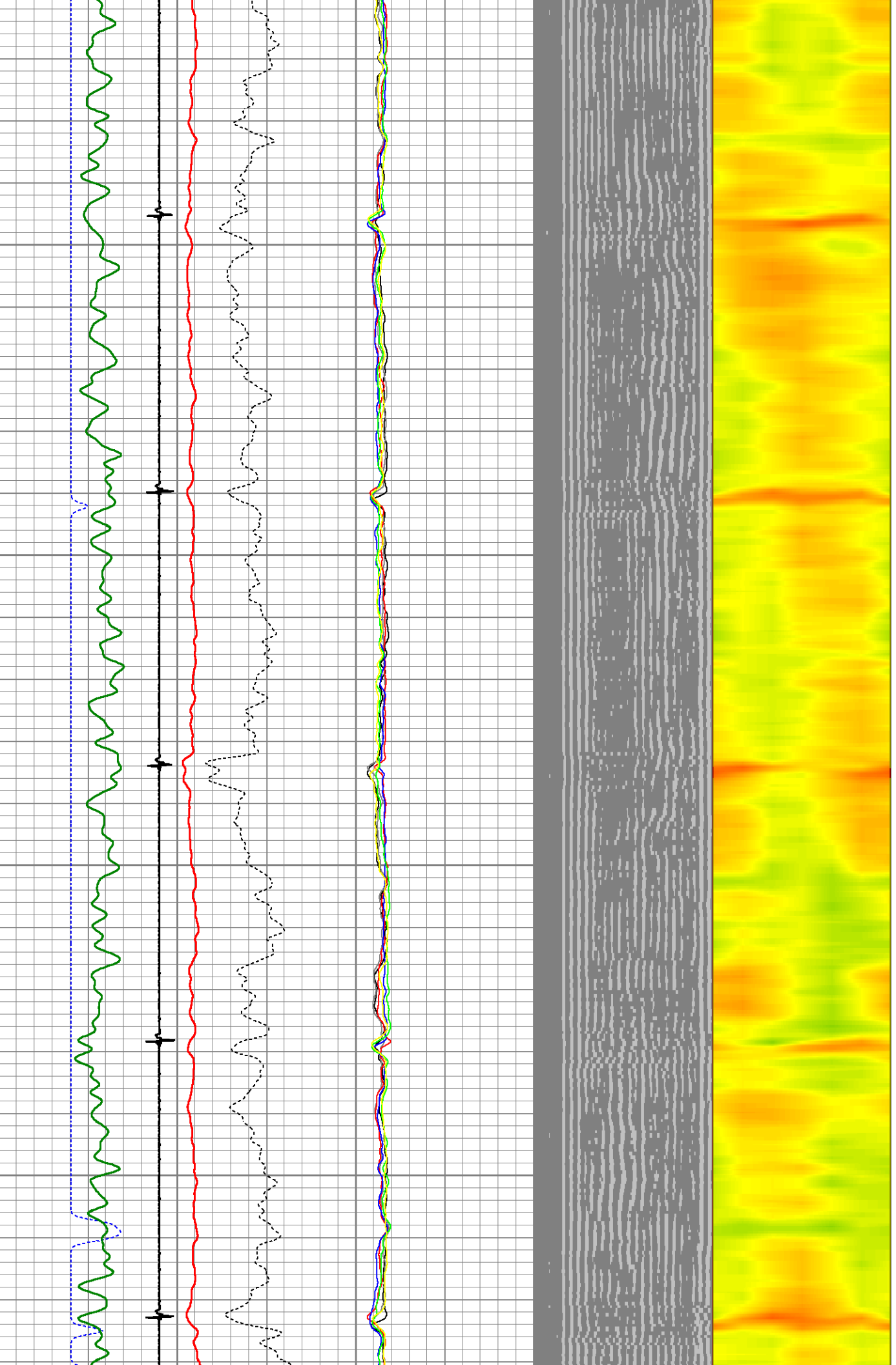


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3350

3400

3450



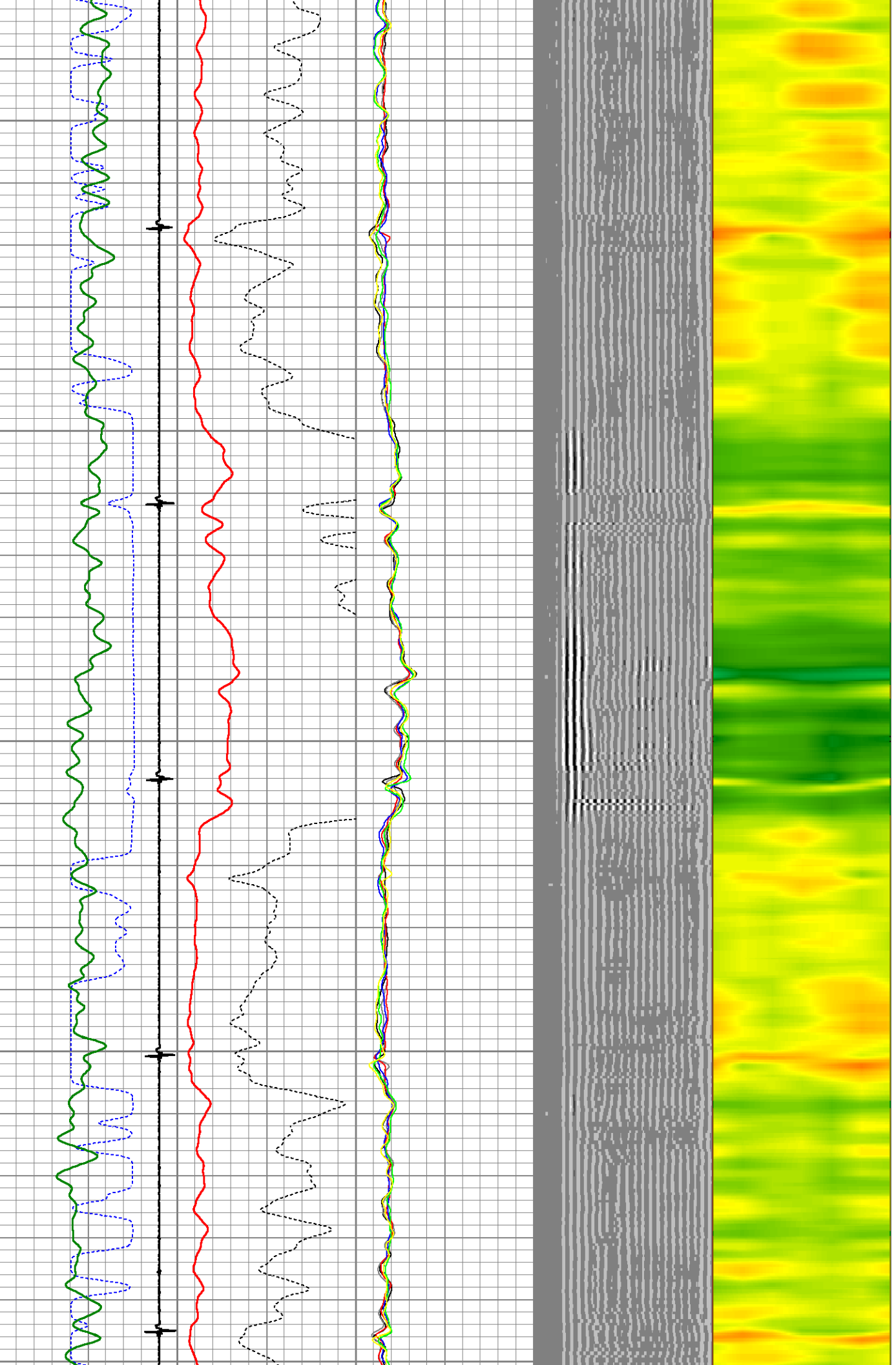
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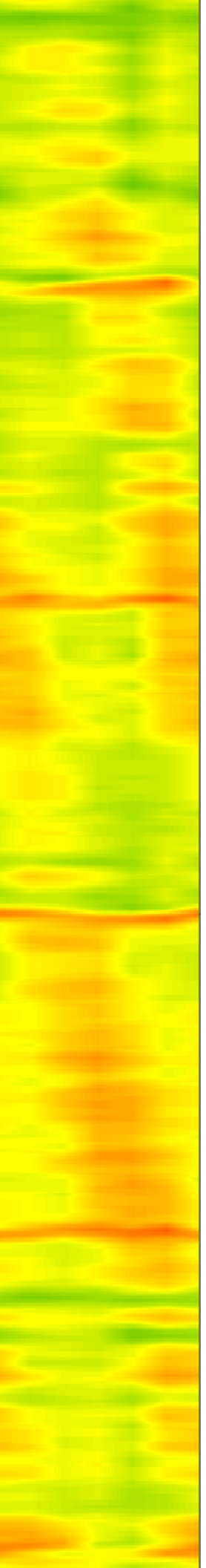
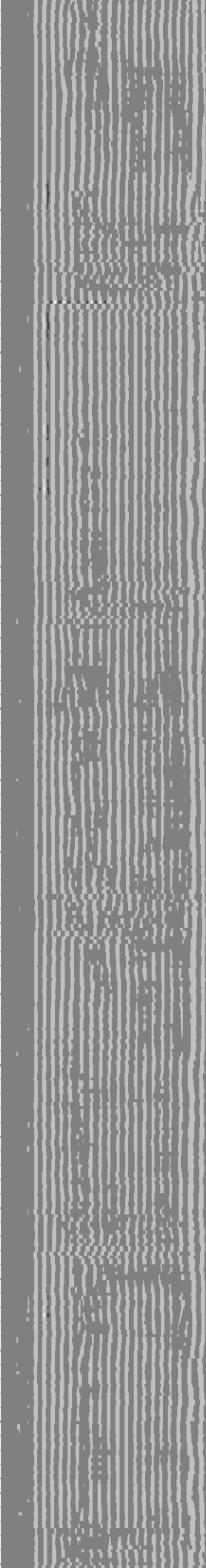
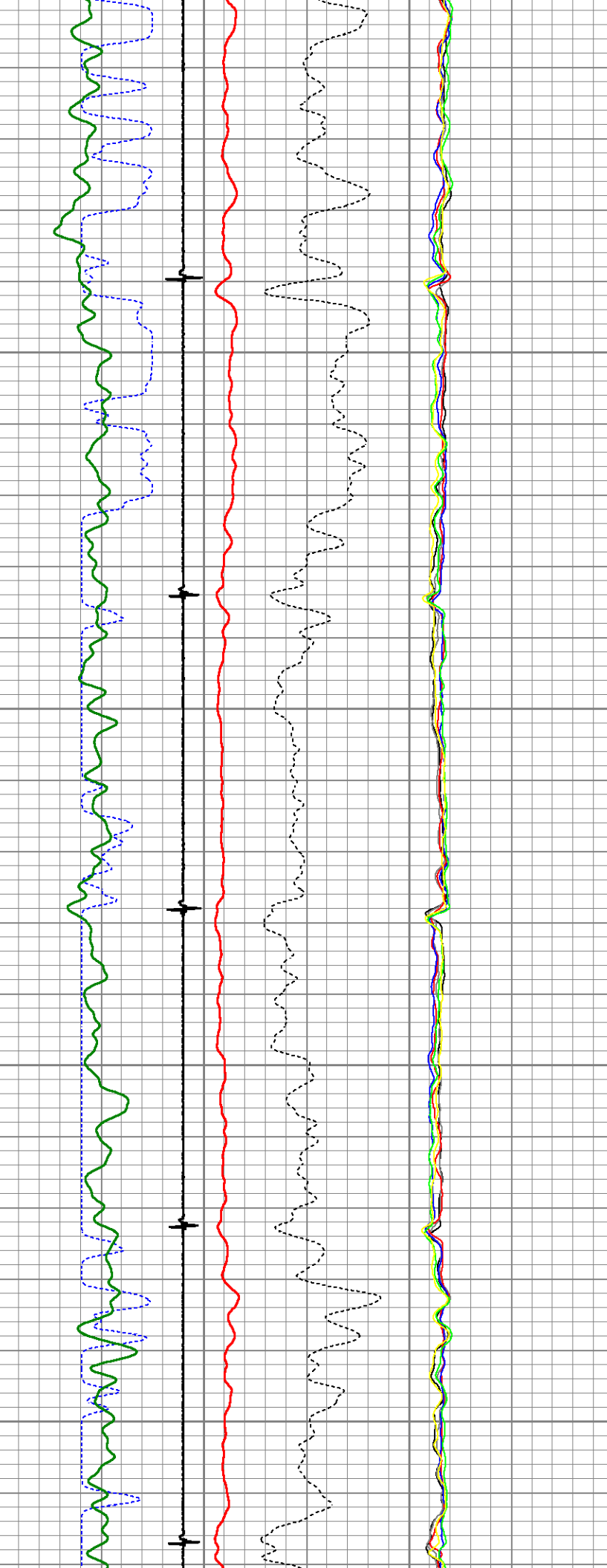
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3650

3700



3800
3750
3800
3850
3900

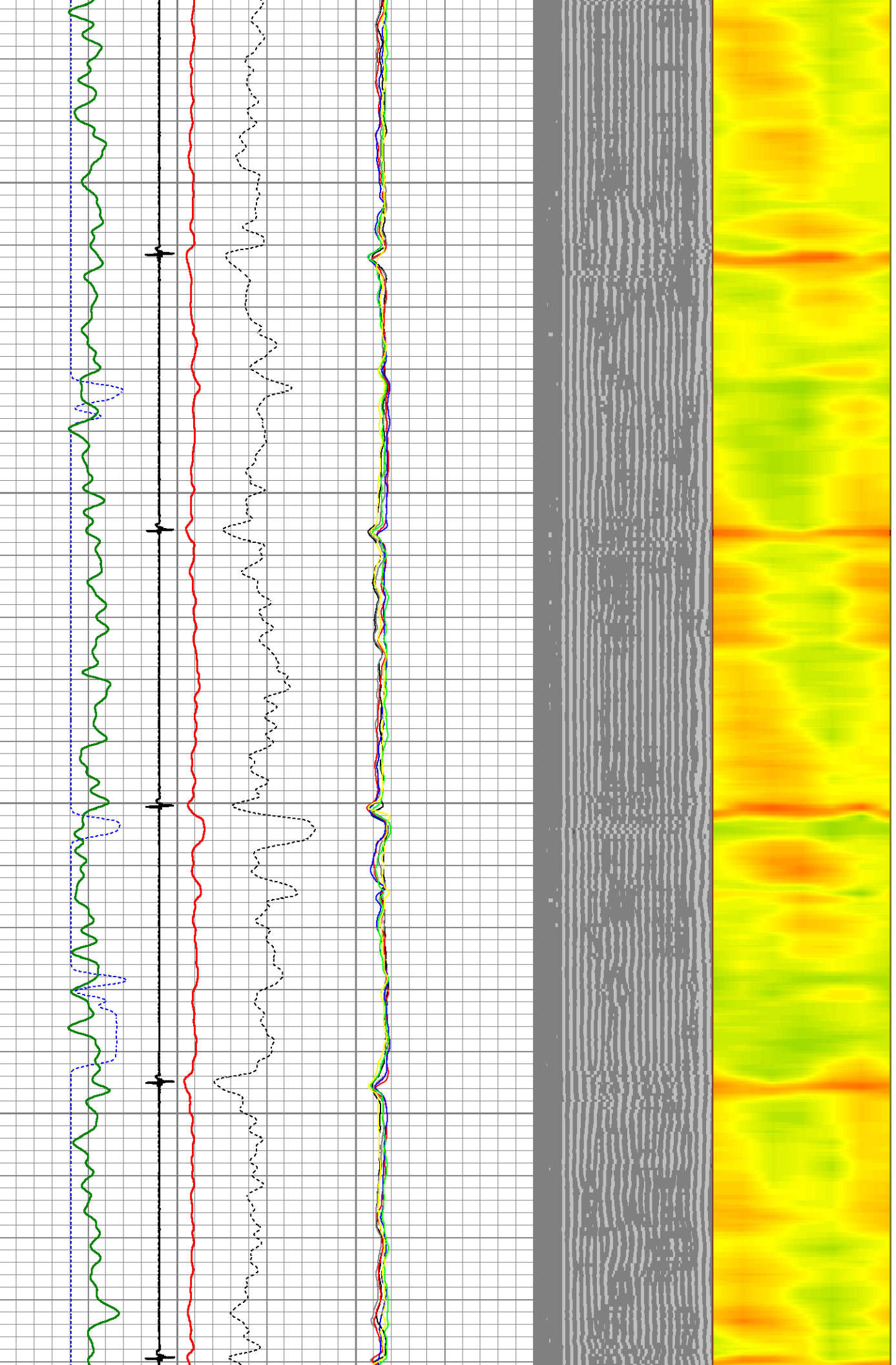


3950

4000

4050

4100



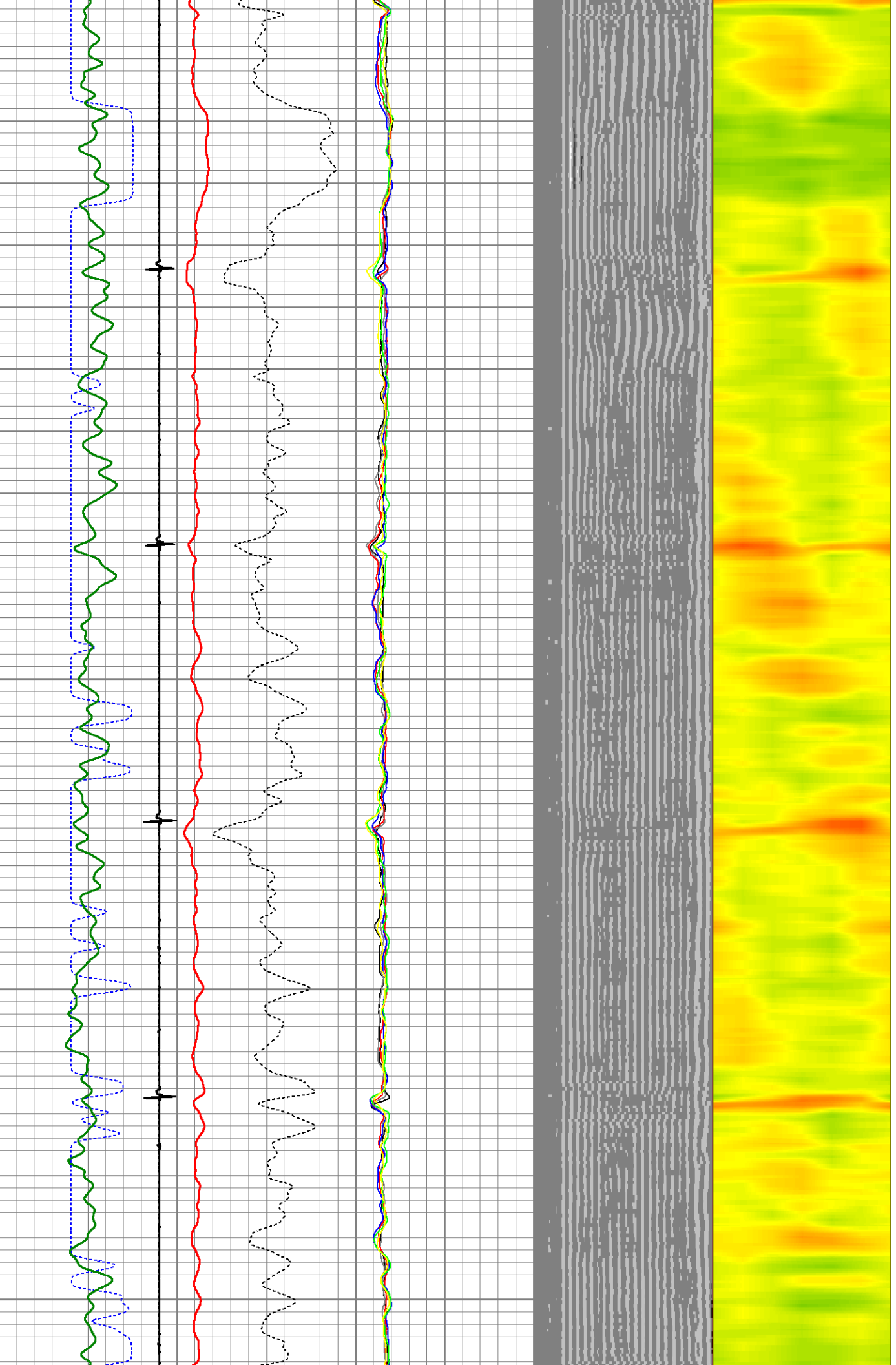
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4200

4250

4300

4350

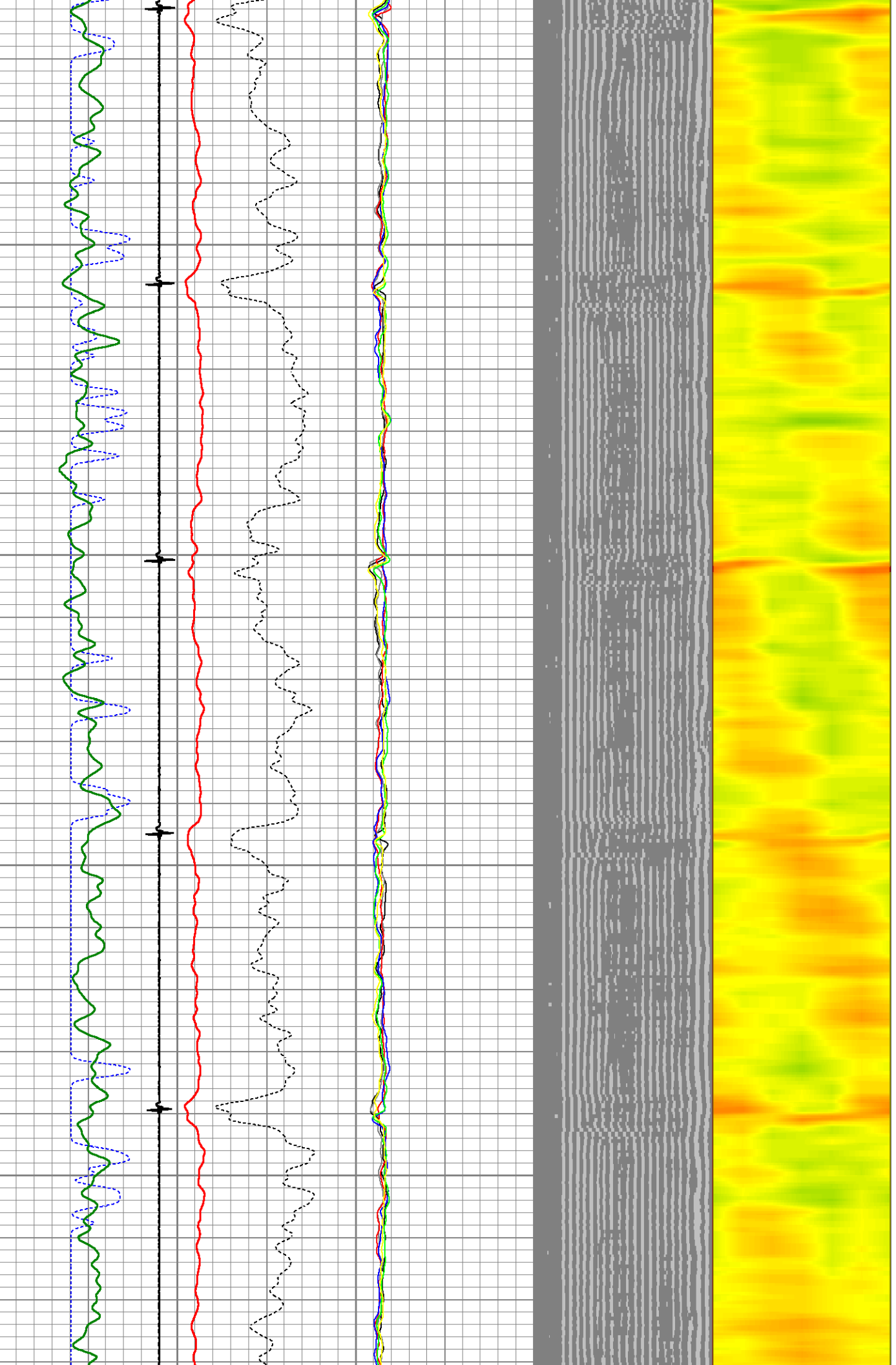


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4450

4500

4550



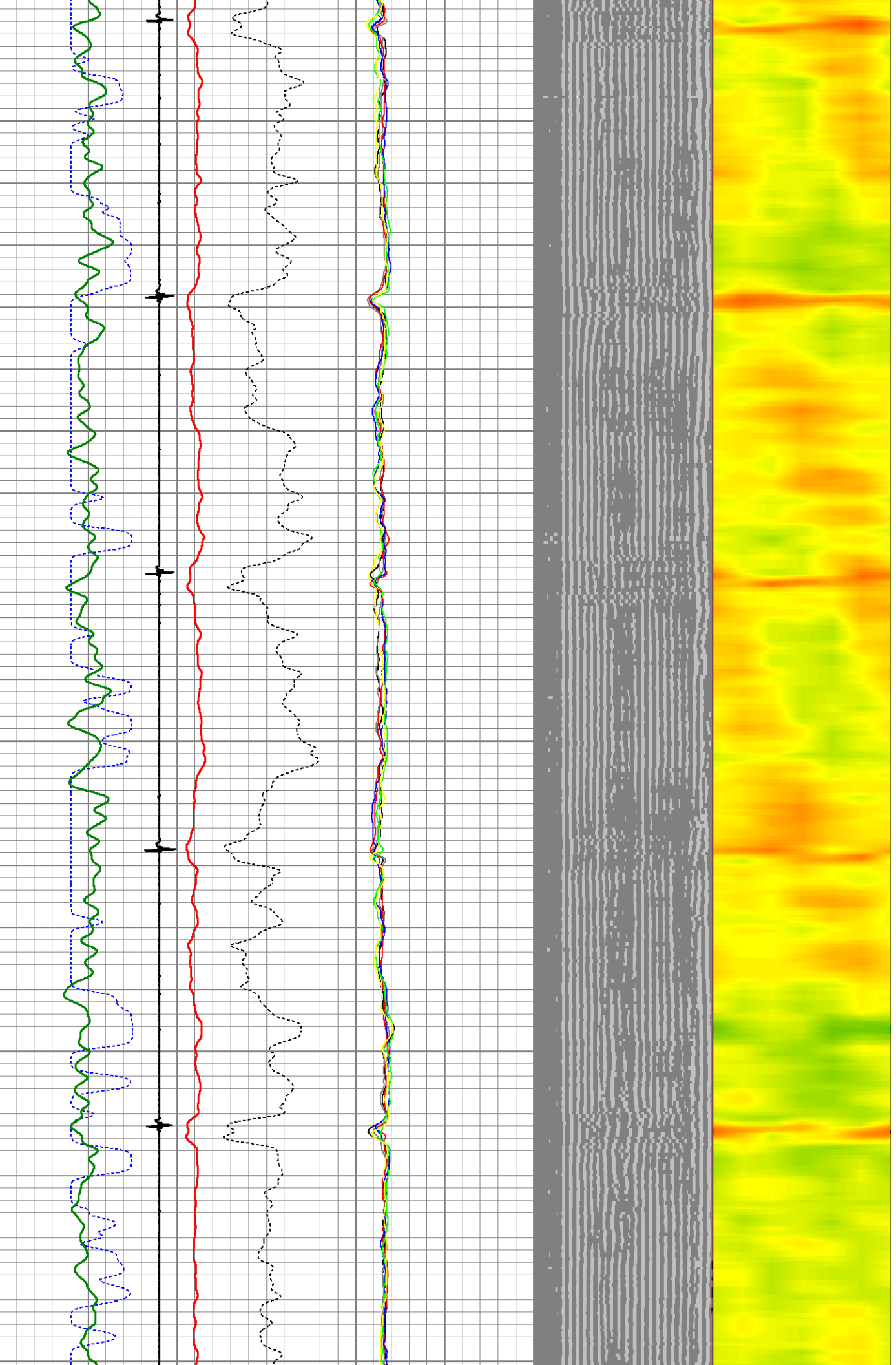
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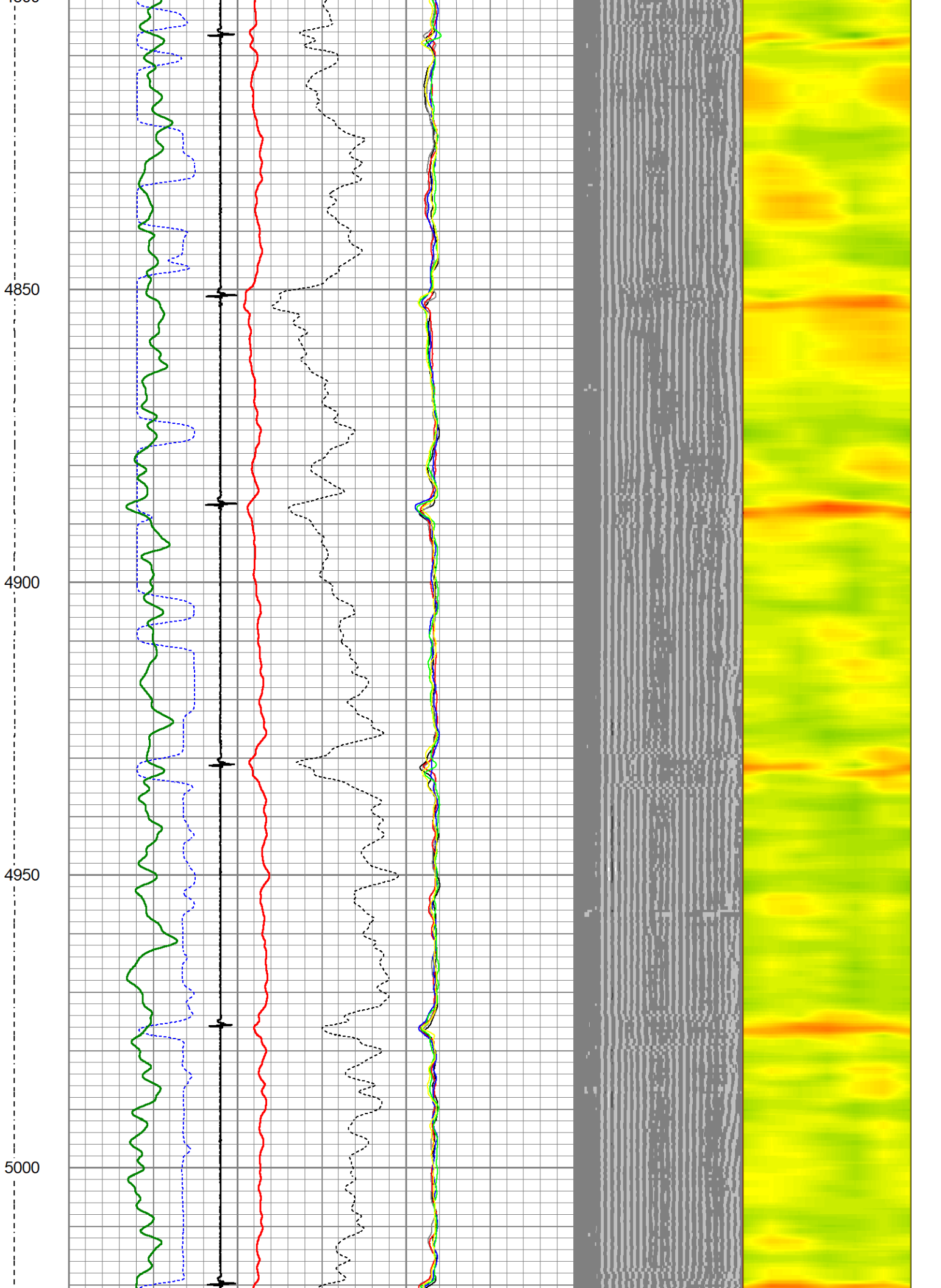
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4700

4750

4800



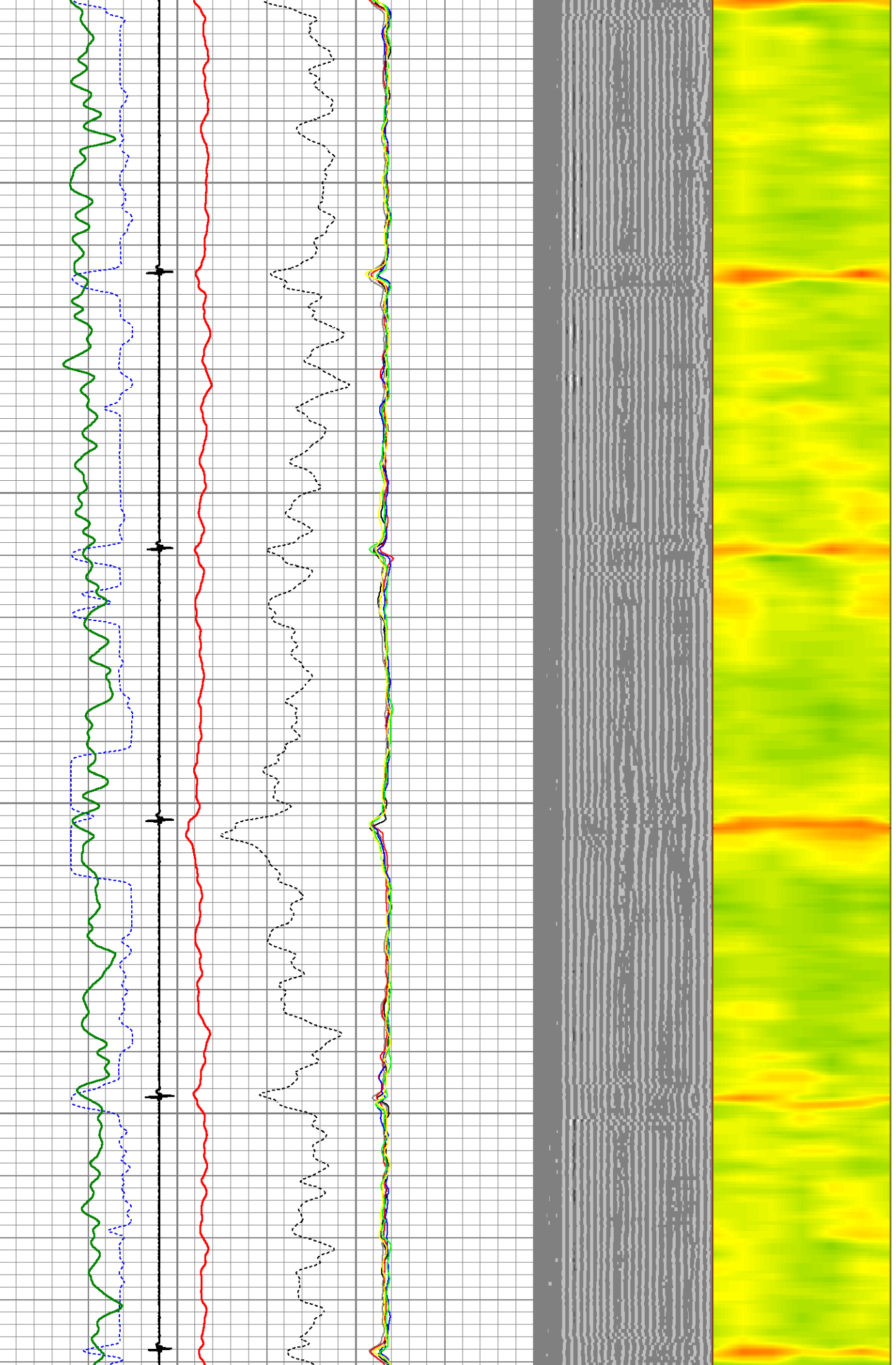


5050

5100

5150

5200



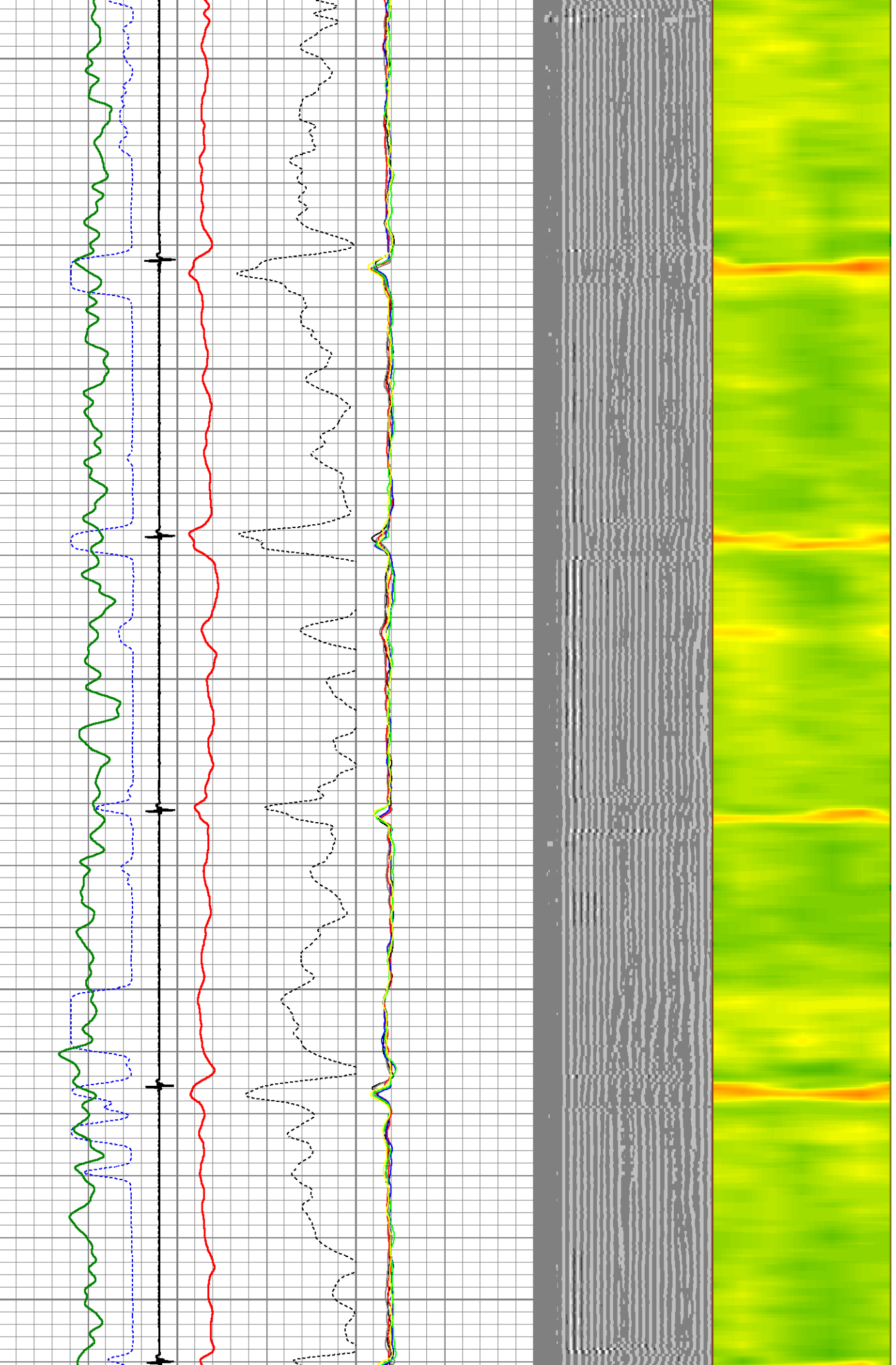
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5350

5400

5450

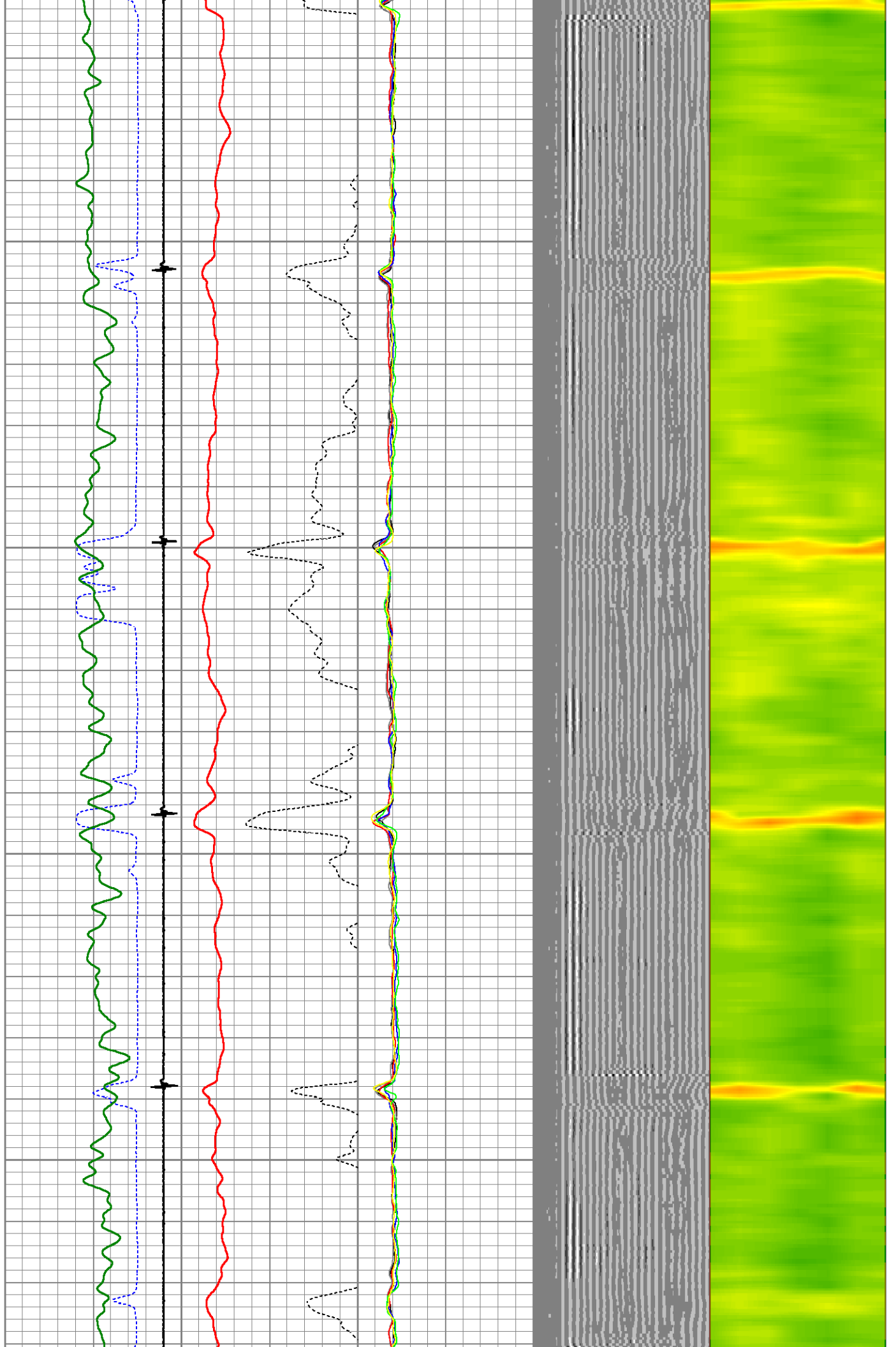


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5550

5600

5650



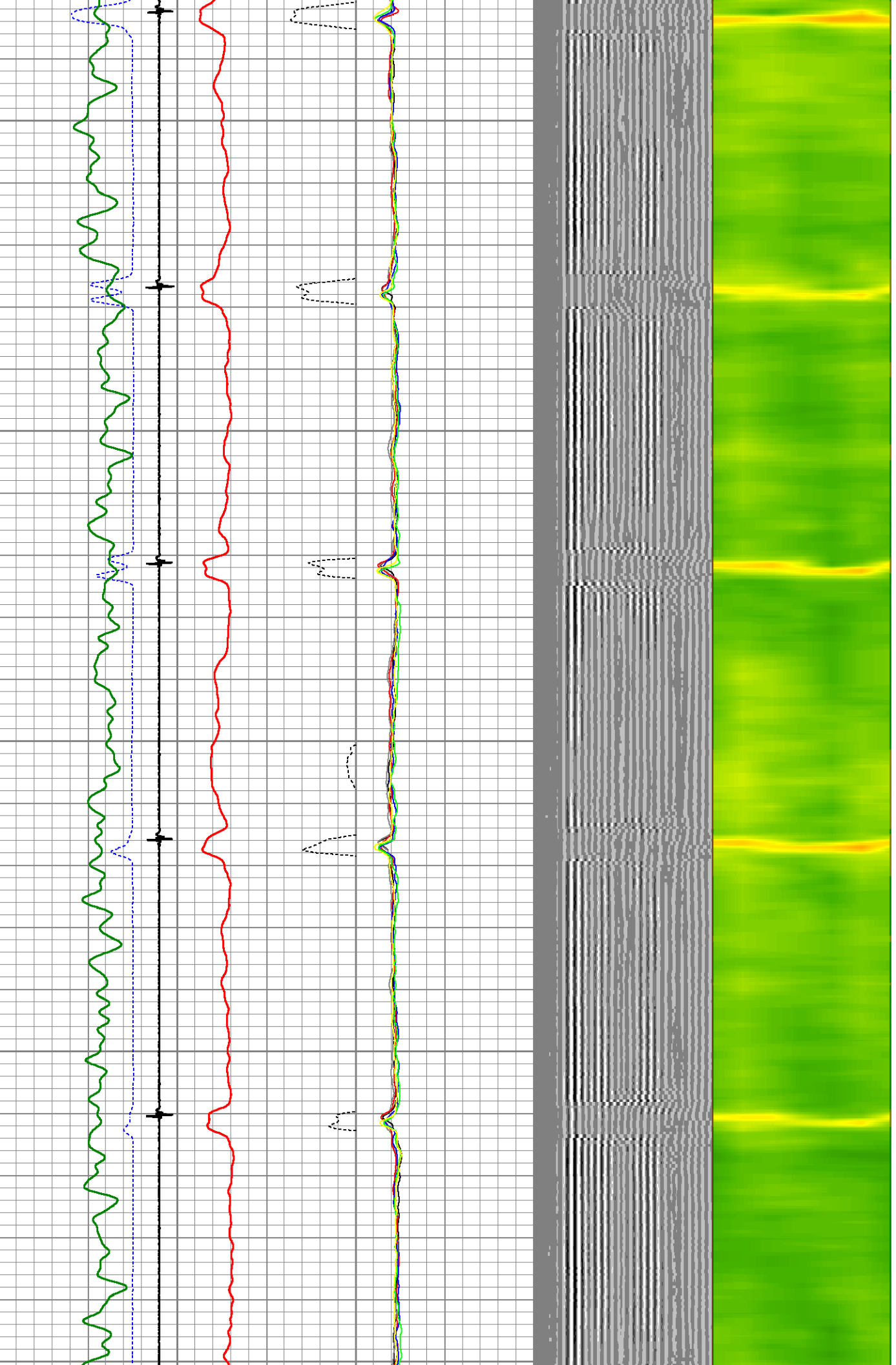
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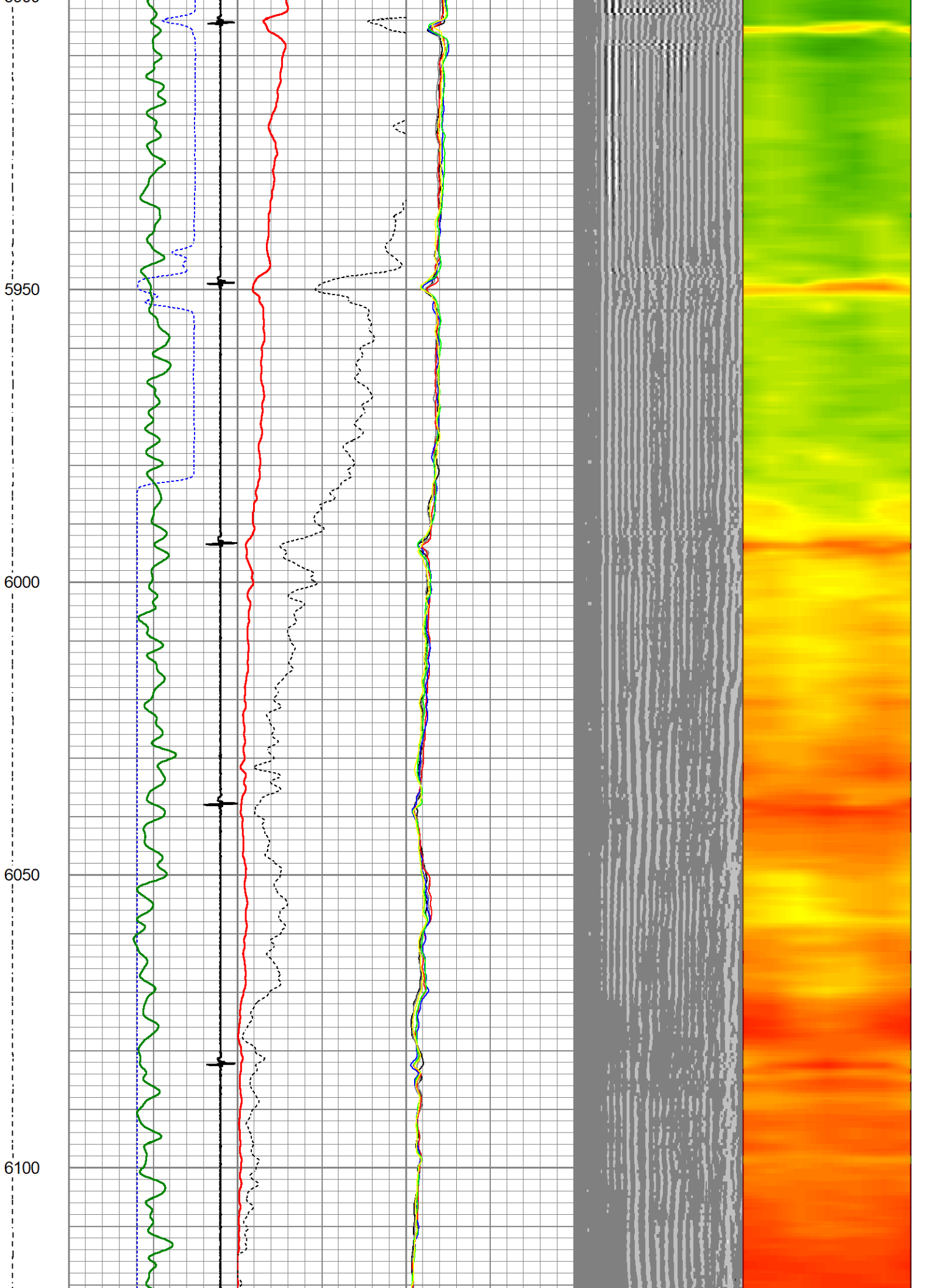
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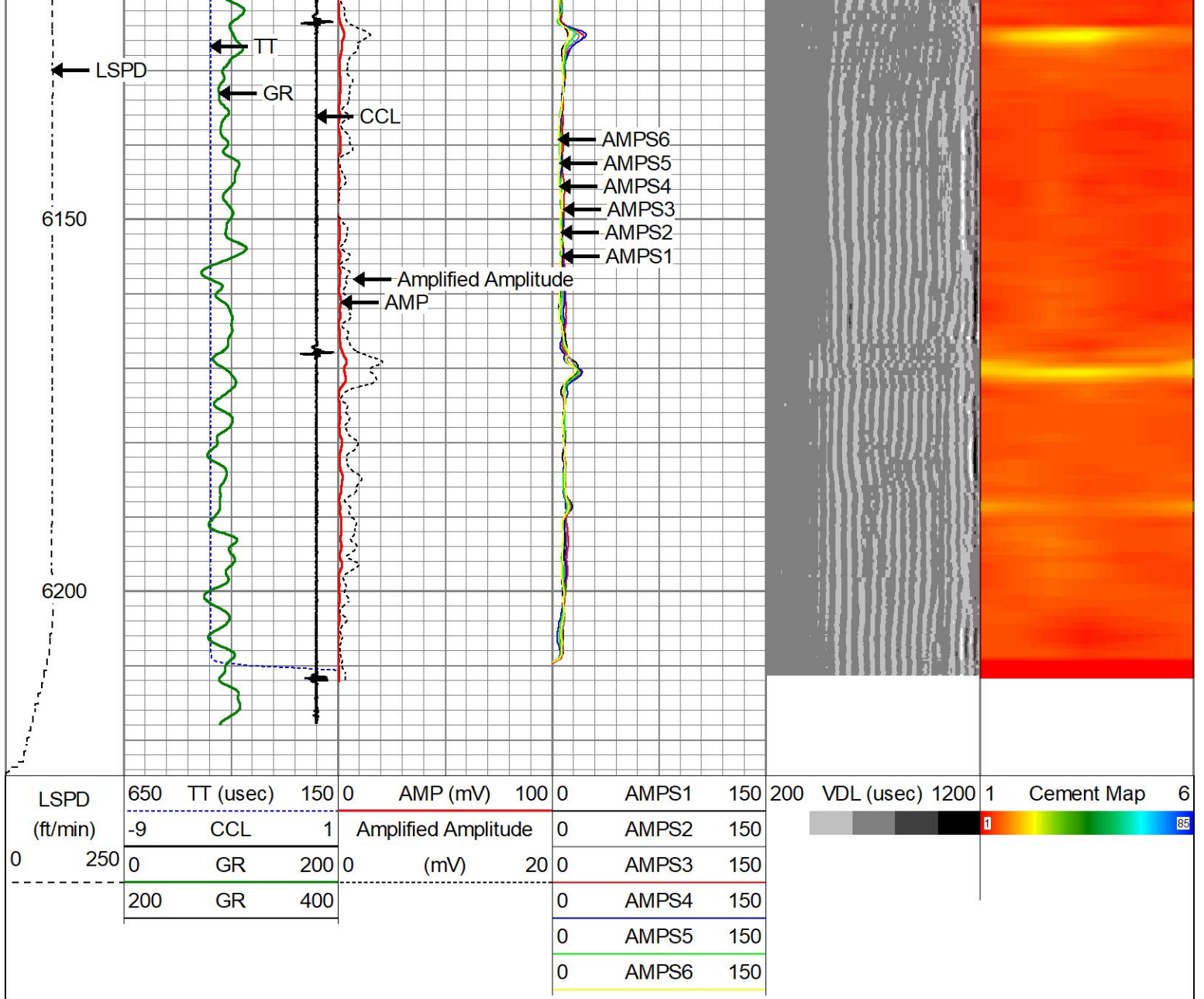
5800

5850

5900







Calibration Report

Database File: cbl antelope m-29.db
 Dataset Pathname: pass3
 Dataset Creation: Tue Jul 08 09:25:55 2025

Gamma Ray Calibration Report

Serial Number: 8000-16892-XXXX
 Tool Model: Titan-8000-16892
 Performed: (Not Performed)

Calibrator Value: 1.0

Background Reading: 0.0 cps
 Calibrator Reading: 1.0 cps

Sensitivity: 1.0000 /cps

Segmented Cement Bond Log Calibration Report

Serial Number: IEHN3-03
 Tool Model: Titan-8110-1686NPE

Calibration Diameter: 4.500 in

Master Calibration, performed Tue Jul 8 09:05:32 2025:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	1.009	0.800	81.196	79.761	0.688
CAL	1.539	1.100				
5'	-0.041	0.808	0.800	81.196	94.624	4.708
SUM						
S1	0.147	1.316	0.000	81.196	69.418	-10.178
S2	0.123	1.401	0.000	81.196	63.540	-7.804
S3	0.109	1.393	0.000	81.196	63.191	-6.857
S4	0.135	1.335	0.000	81.196	67.637	-9.123
S5	0.134	1.270	0.000	81.196	71.499	-9.610
S6	0.154	1.343	0.000	81.196	68.309	-10.542
S7						
S8						

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.539	1.100	1.000	0.000

Air Zero Calibration, performed Thu Jun 26 09:32:50 2025:

	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			
S8			

Temperature Calibration Report

Serial Number: IEHN3-03
 Tool Model: Titan-8110-1686NPE
 Performed: Fri Apr 25 14:57:38 2025

	Reference	Reading
Low Reference:	0.00 degF	0.00 usec
High Reference:	1.00 degF	1.00 usec
Gain:	0.30	
Offset:	0.00	
Delta Spacing	1	





ENERGY SERVICES

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