



**RADIAL BOND LOG
WITH GAMMA RAY**

ENERGY SERVICES

Company **CIVITAS**
 Well **FLANIGAN 1B-6H**
 Field **Wattenberg**
 County **Weld** State **Colorado**

Comp. CIVITAS
 Well FLANIGAN 1B-6H
 Field Wattenberg
 Co. Weld
 State Colorado

Location: **SEC 6 TWP 1N RGE 64W**
 API #: 05-123-35695
 NW/NE
 Elevation 4997
 Above Perm. Datum
 Permanent Datum **GL**
 Log Measured From **KB 13**
 Drilling Measured From **KB**
 Other Services
 Elevation
 K.B. 5010
 D.F. 5009
 G.L. 4997

Date of Service	11/15/2024			
Run Number	2			
Depth Driller or PBTD	11455			
Depth Logger	6496			
Bottom Log Interval	6500			
Top Log Interval	SURFACE			
Open Hole Size	7.875			
Type Fluid	WATER			
Fluid Level	Full			
Fluid Density	N/A			
Max. Recorded Temperature	N/A			
Max. Wellhead Pressure	0			
Wellhead Connection	N/A			
Estimated Cement Top	SEE LOG			
Unit Number	5075			
Wireline Size	9/32			
Location	GREELEY CO			
Recorded By	CODY JENSEN			
Witnessed By	MIKE COLE			
Tubing Record	Size	Wt/Ft	Top	Bottom
Surface Casing				
Production Casing				
Liner Record				

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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

N/A DENOTES NOT AVAILABLE OR NON-APPLICABLE.
 LOG RAN UNDER 500 PSI

THANK YOU FOR USING PIONEER ENERGY SERVICES!

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

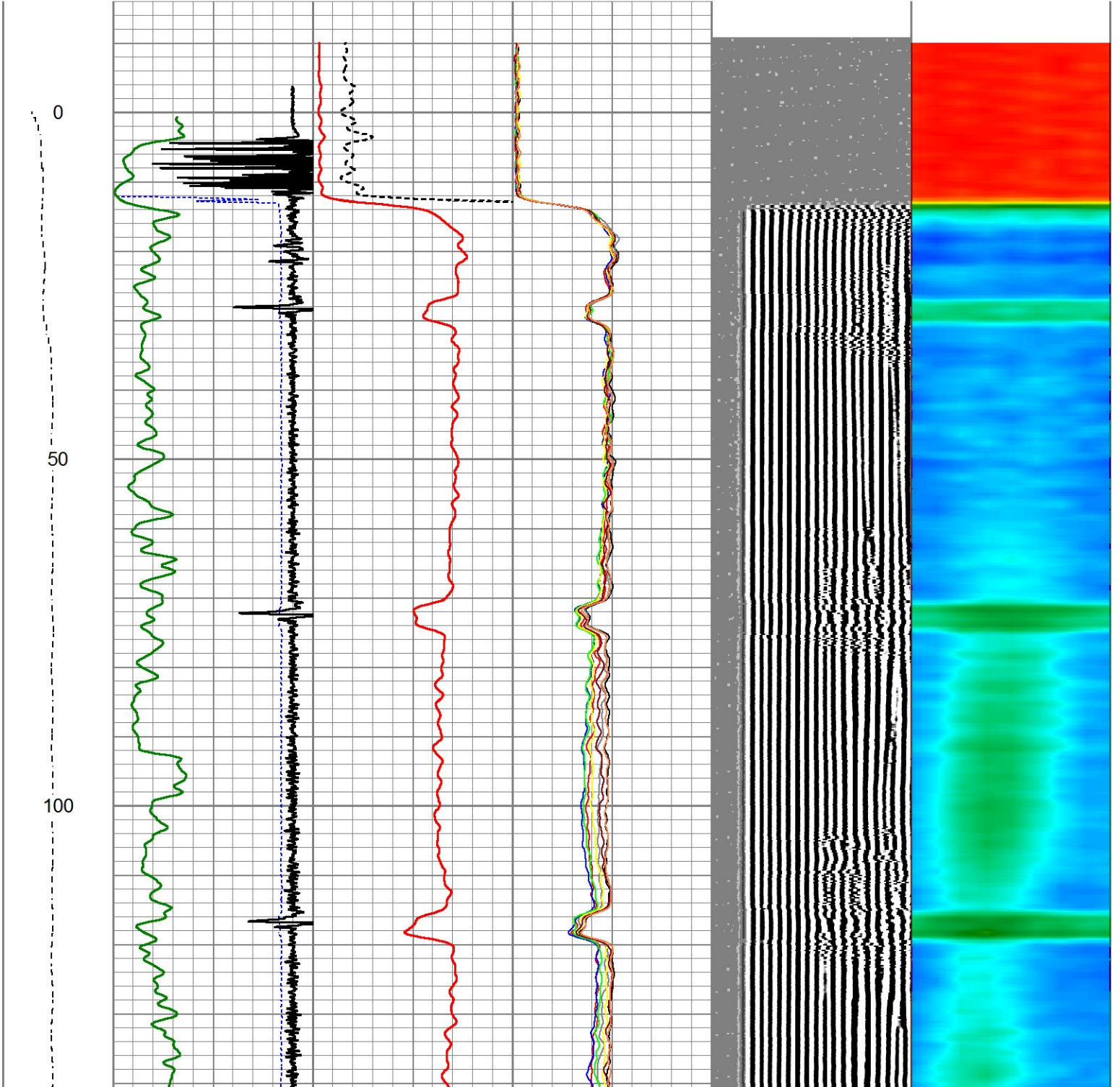
Operator	Offset (ft)	Substrate	Description	Length (ft)	O.D. (in)	Weight (lb)
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Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1_11/16_Cablehead 1 11/16 Cablehead	1.00	1.68	5.00
			CENT-1.69variable 1.69" Centrilizer Variable Length	2.88	1.69	15.00
Temp	13.93		RBT-27SBT10 (Greeley Ext Temp) Probe 2.75" Radial with Integral Temperature Sub	9.39	2.75	
WVFS8	11.69					
WVFS7	11.69					
WVFS6	11.69					
WVFS5	11.69					
WVFS4	11.69					
WVFS3	11.69					
WVFS2	11.69					
WVFS1	11.69					
WVF3FT	11.69					
WVF5FT	10.69					
HEADVOLT	7.44					
WVFCAL	7.44					
			CENT-1.69variable 1.69" Centrilizer Variable Length	2.88	1.69	15.00
CCL	3.63					
			GR-27GRL10 (27GRL10-XXXX) 2-3/4" Probe Gamma Ray	4.56	2.75	50.00
GR	0.89					

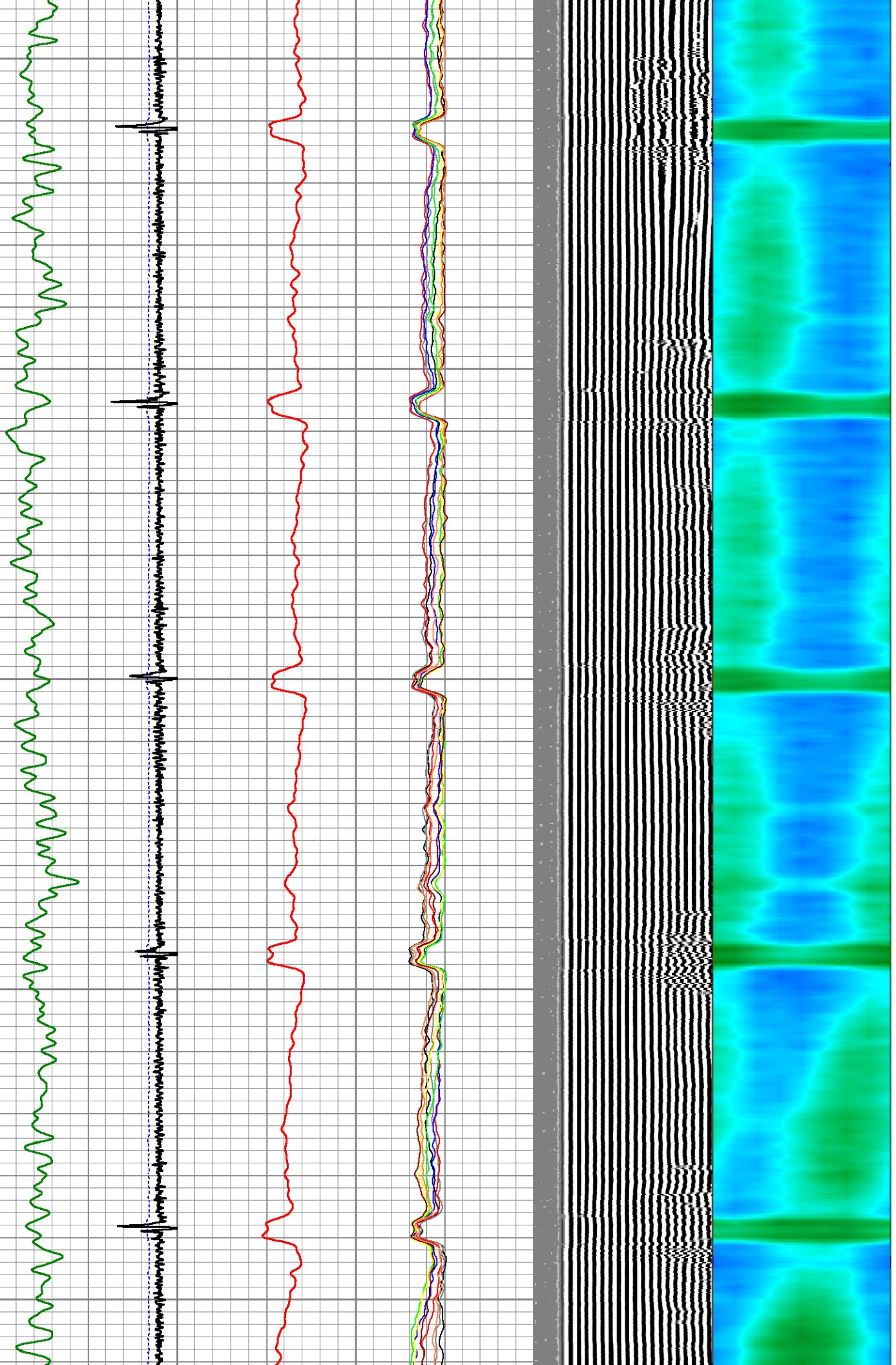
Dataset: flanigan01b-06h.db: field/well/run1/pass8
 Total length: 20.71 ft
 Total weight: 85.00 lb
 O.D.: 2.75 in

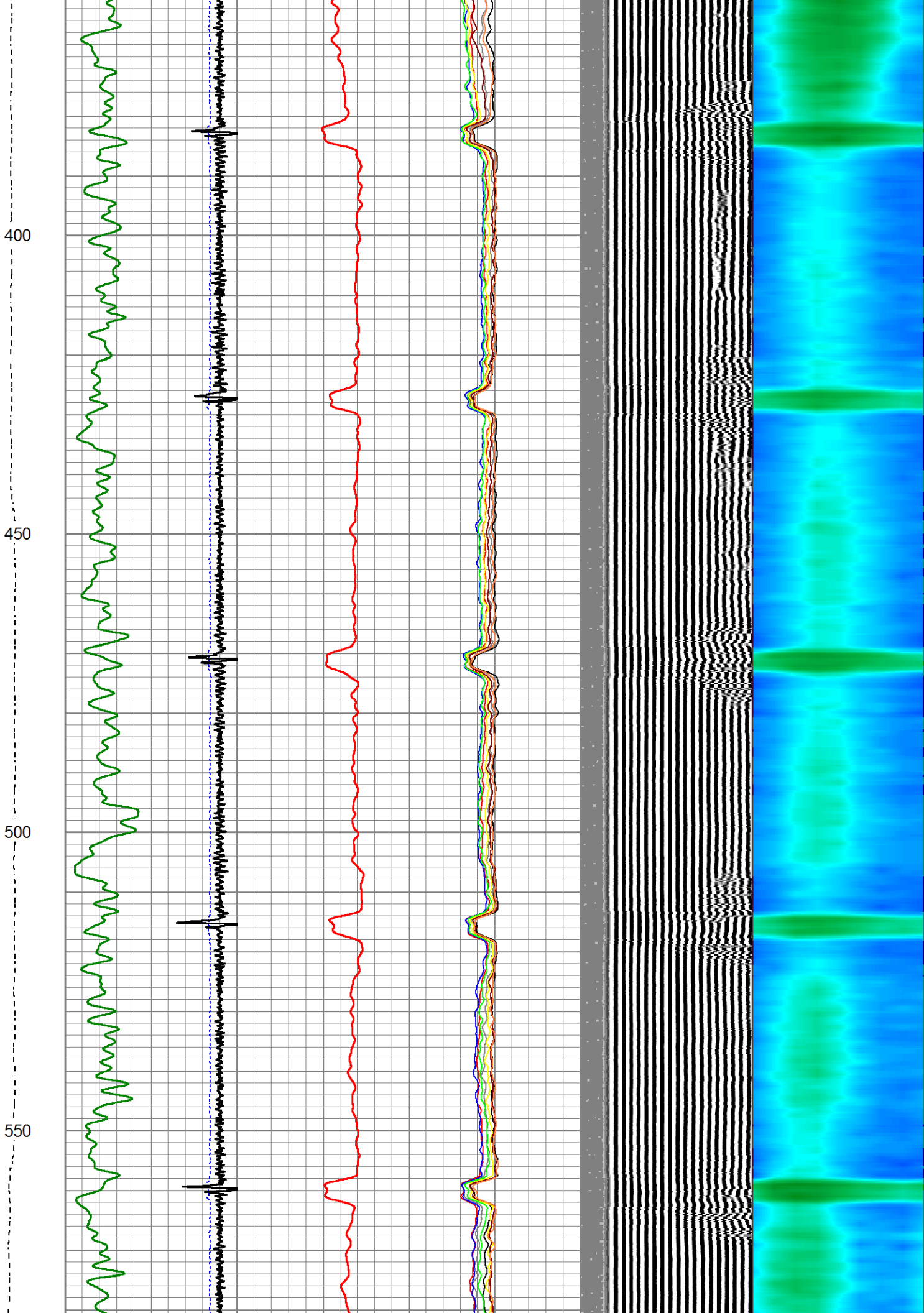
Database File flanigan01b-06h.db
 Dataset Pathname pass26
 Presentation Format ips_rbtcolorcivitas
 Dataset Creation Fri Nov 15 15:25:59 2024
 Charted by Depth in Feet scaled 1:240

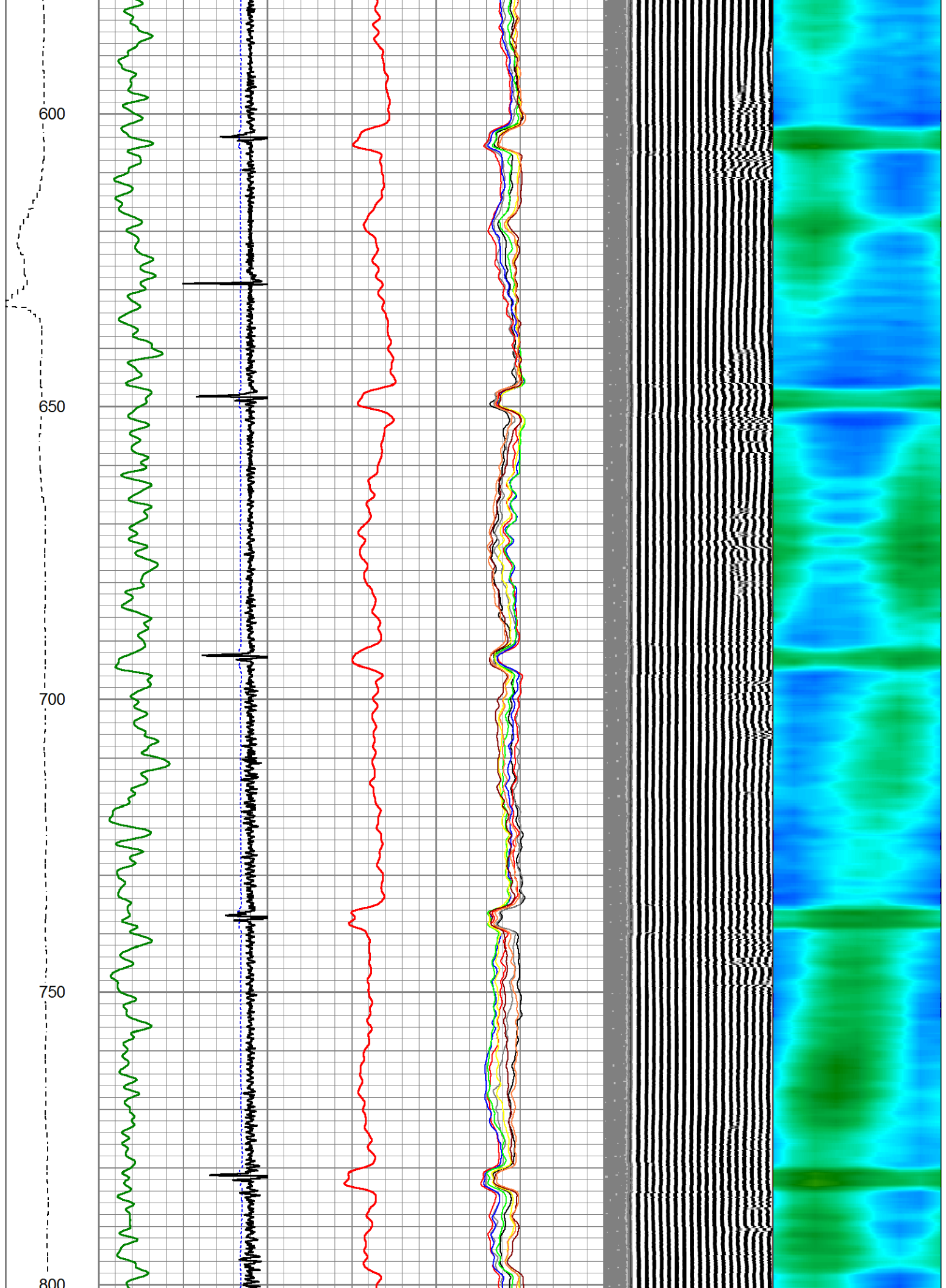
LSPD	650	TT (usec)	150	0	AMP (mV)	100	0	AMPS1	150	200	VDL (usec)	1200	1	Cement Map	8
(ft/min)	-9	CCL	1		AMPLIFIED		0	AMPS2	150						
0	250	0	GR (GAPI)	200	0	(mV)	20	0	AMPS3	150					
		200	GR (GAPI)	400				0	AMPS4	150					
								0	AMPS5	150					
								0	AMPS6	150					
								0	AMPS7	150					
								0	AMPS8	150					

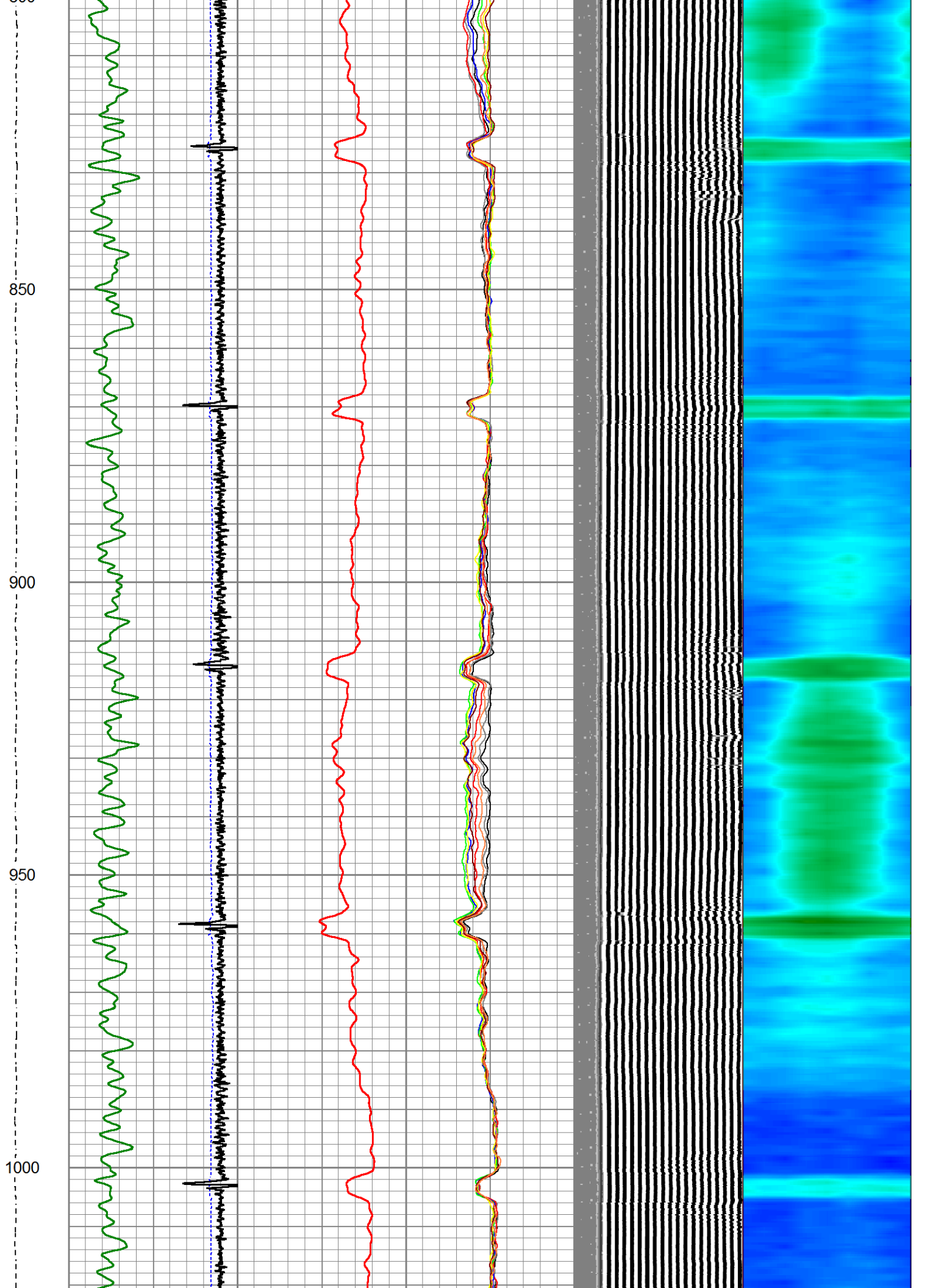


150
200
250
300
350







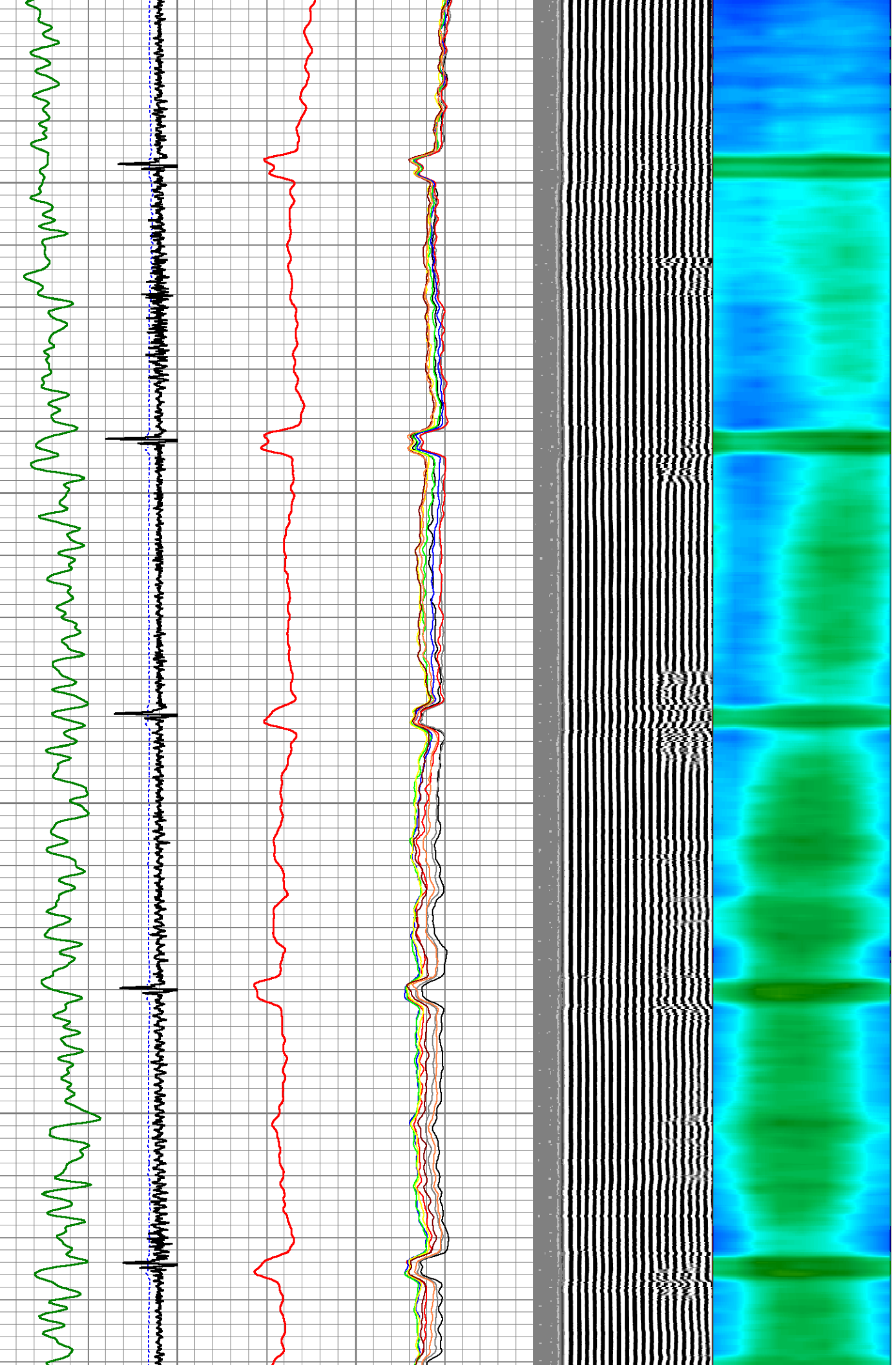


1050

1100

1150

1200



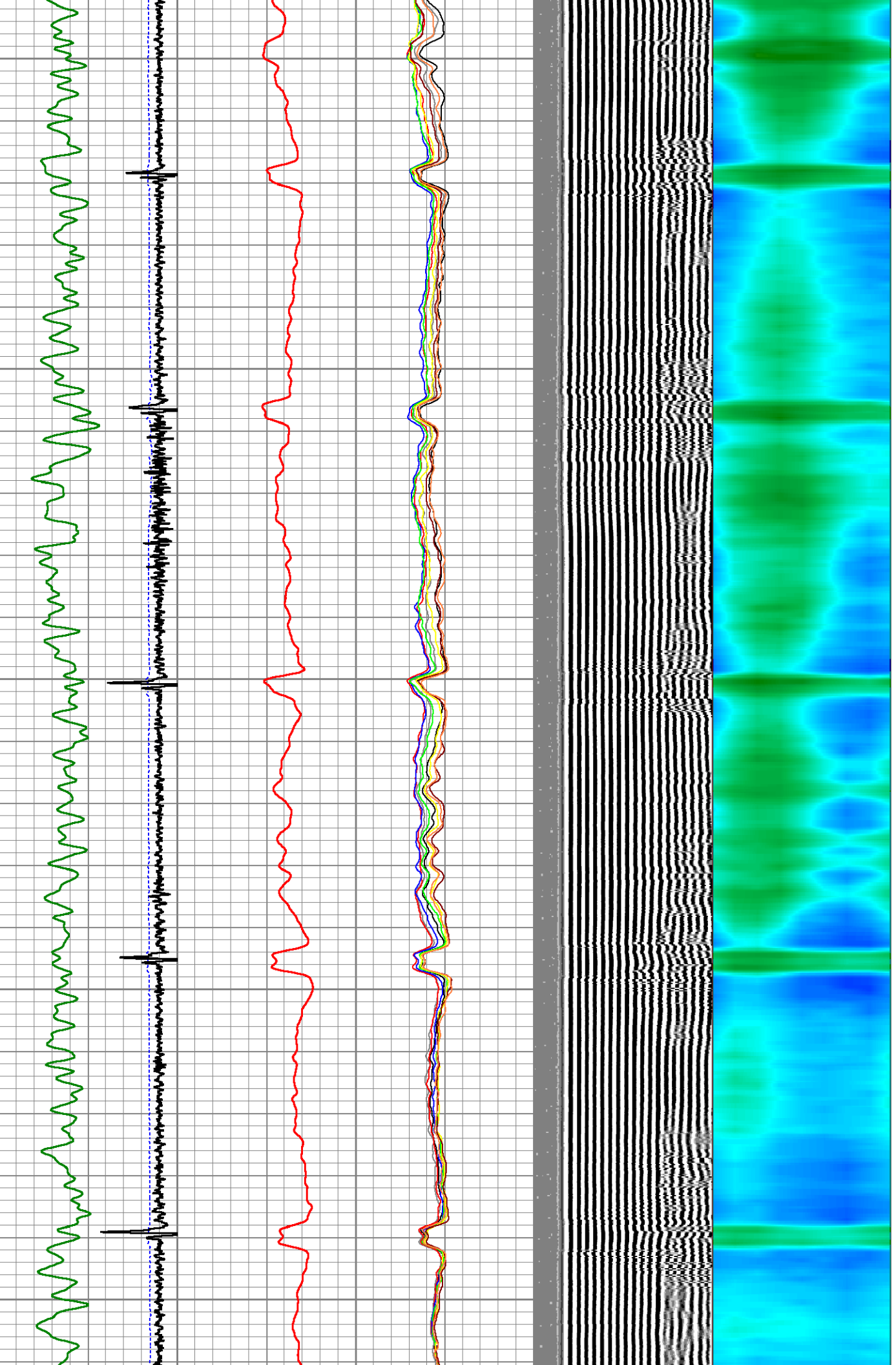
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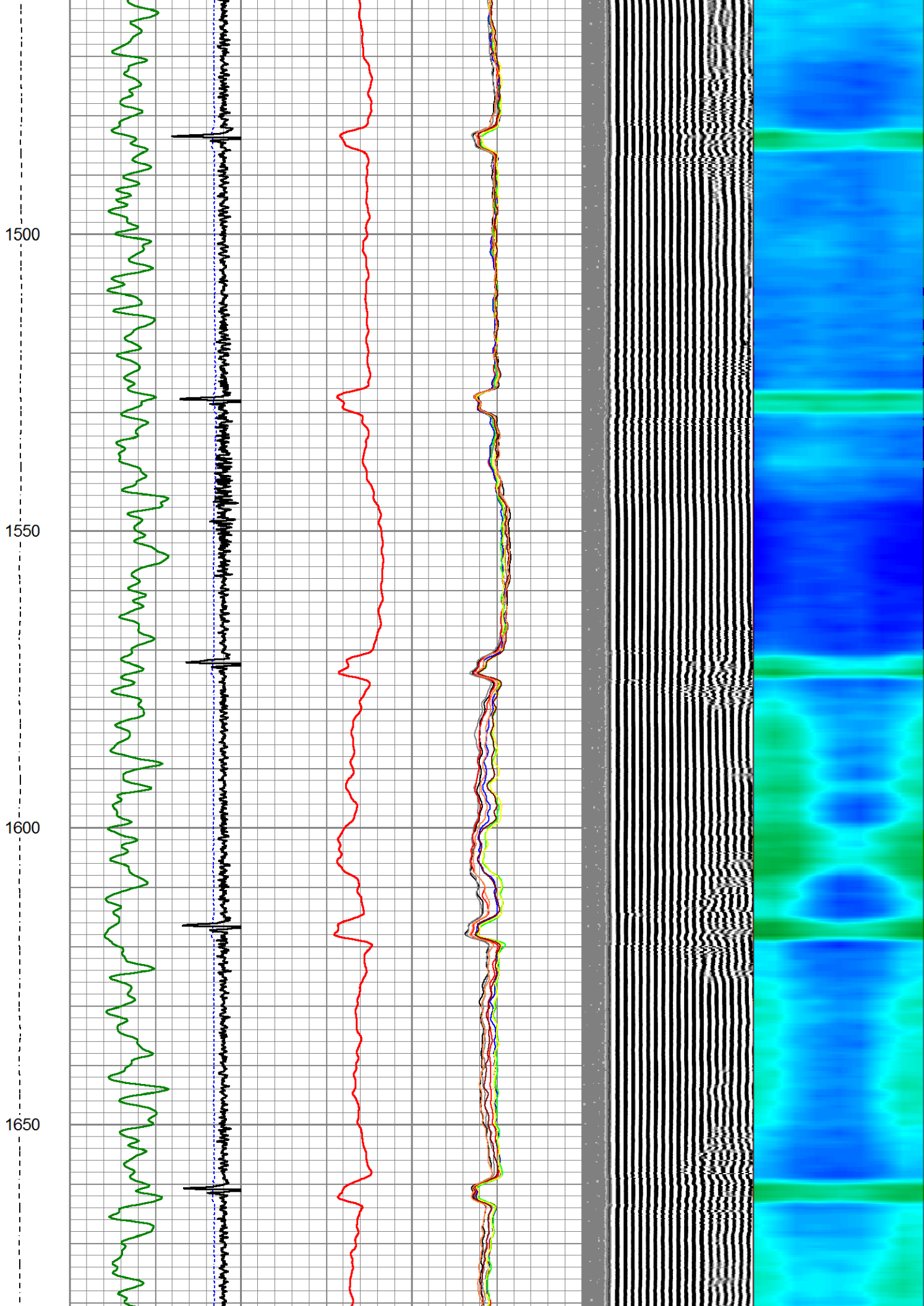
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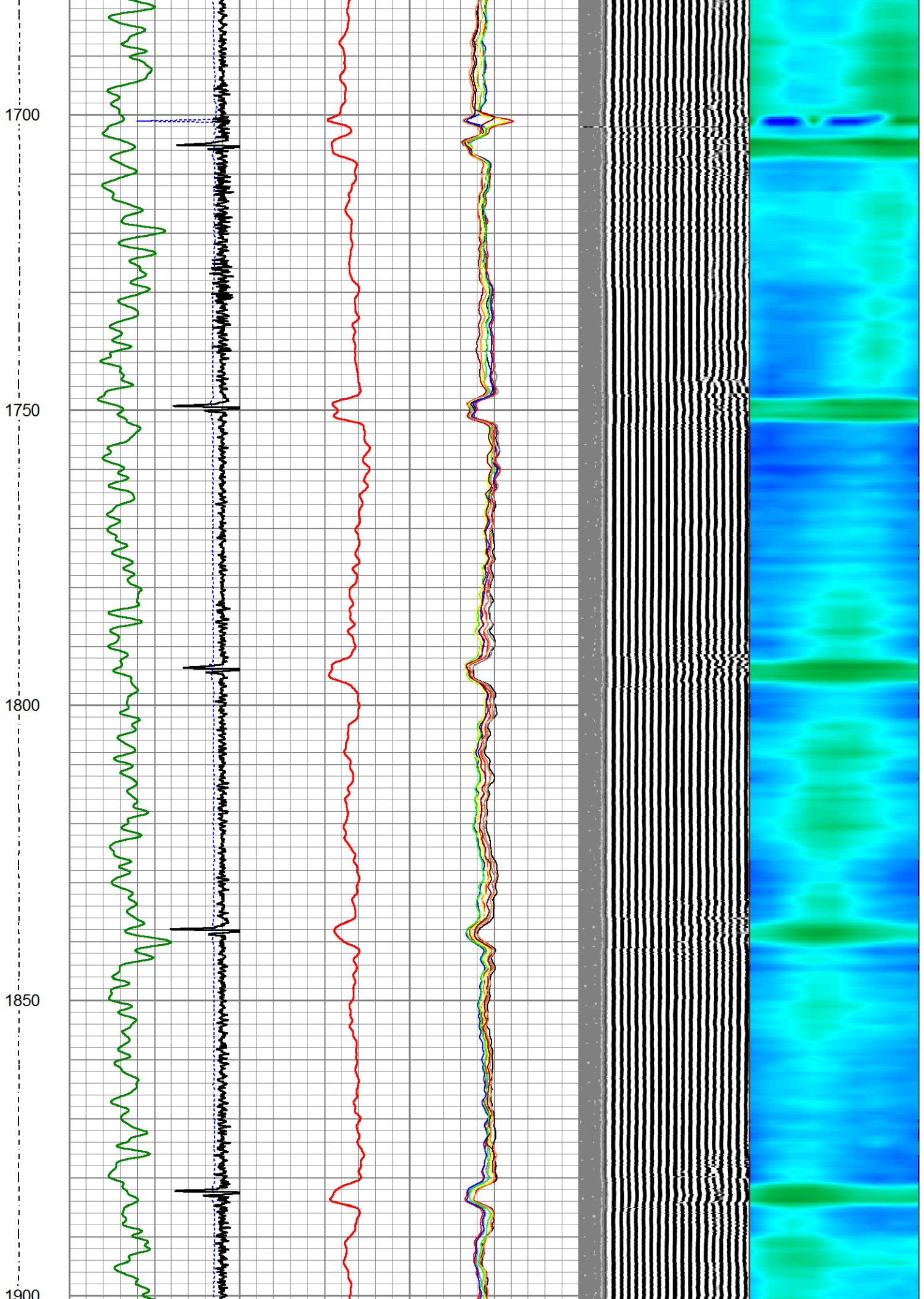
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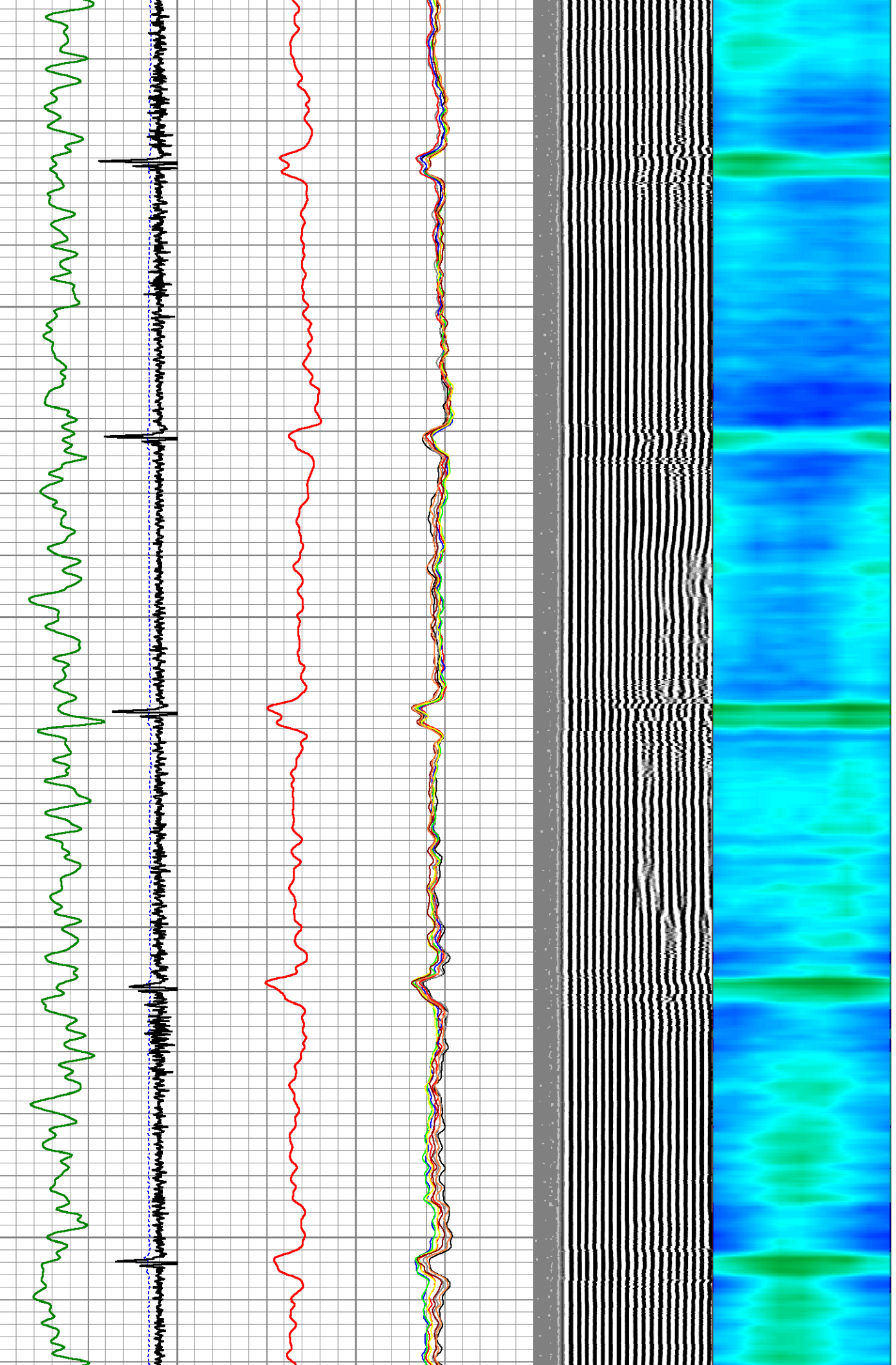
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1980
1950
2000
2050
2100

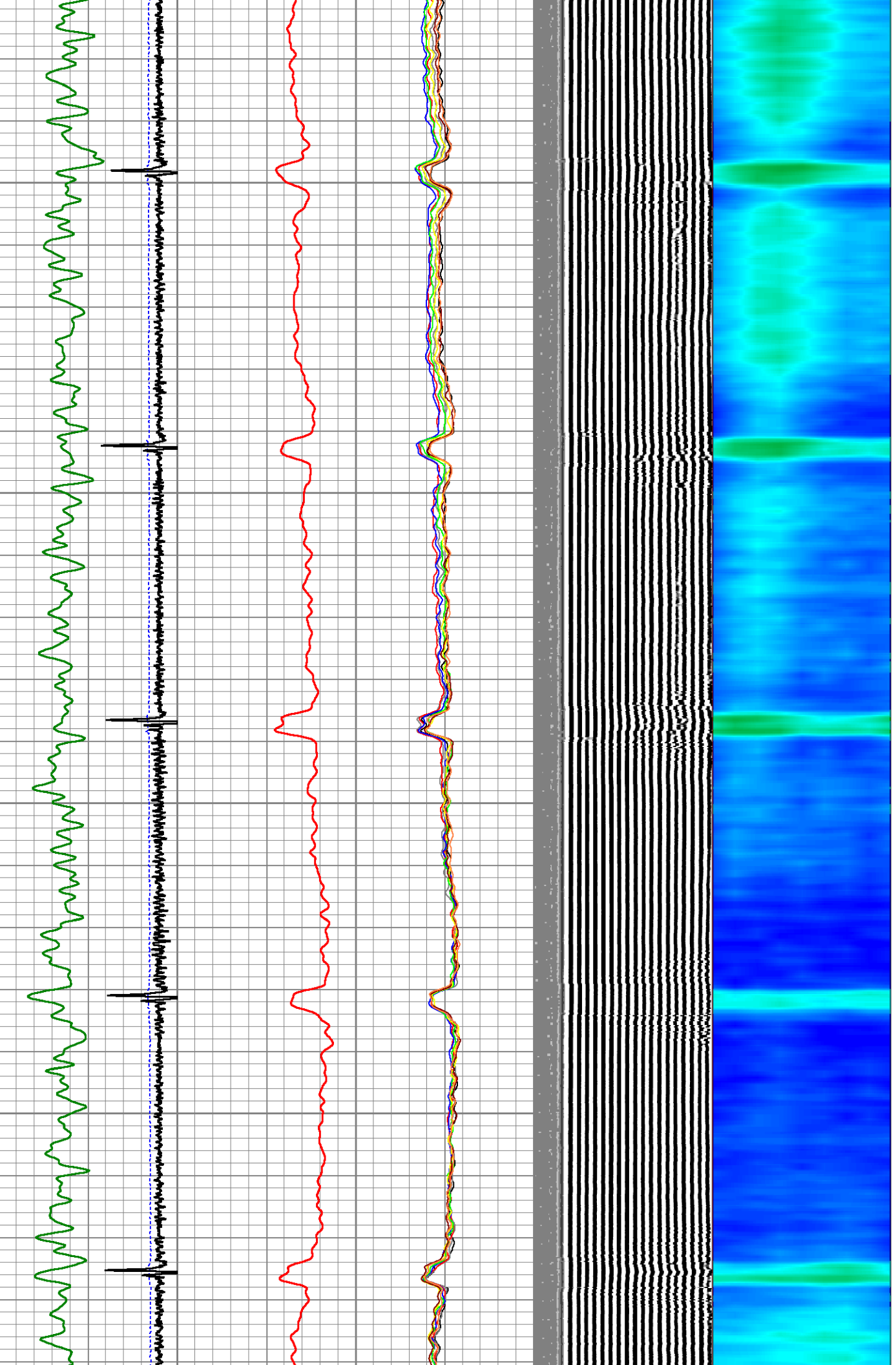


2150

2200

2250

2300



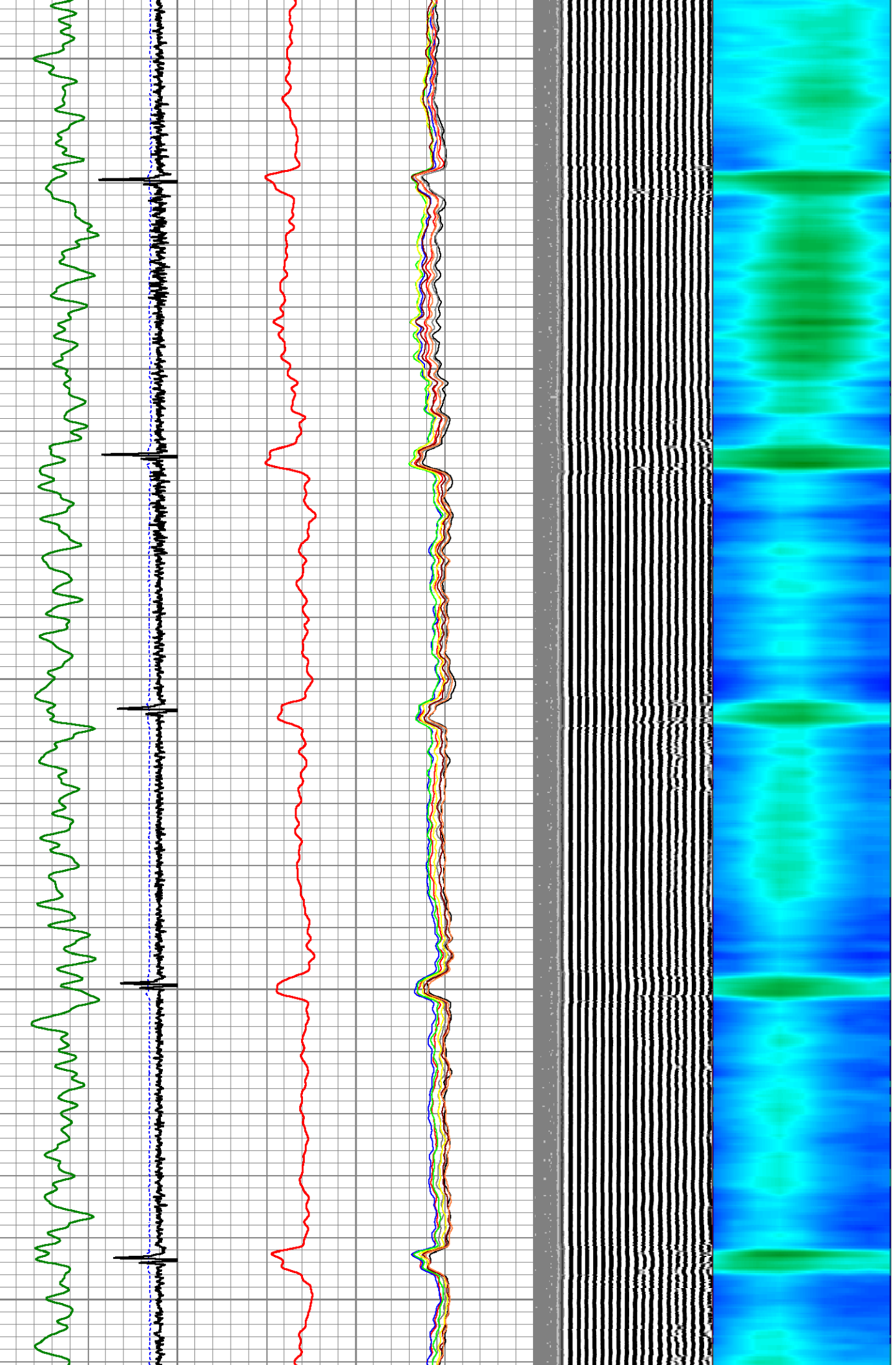
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2400

2450

2500

2550

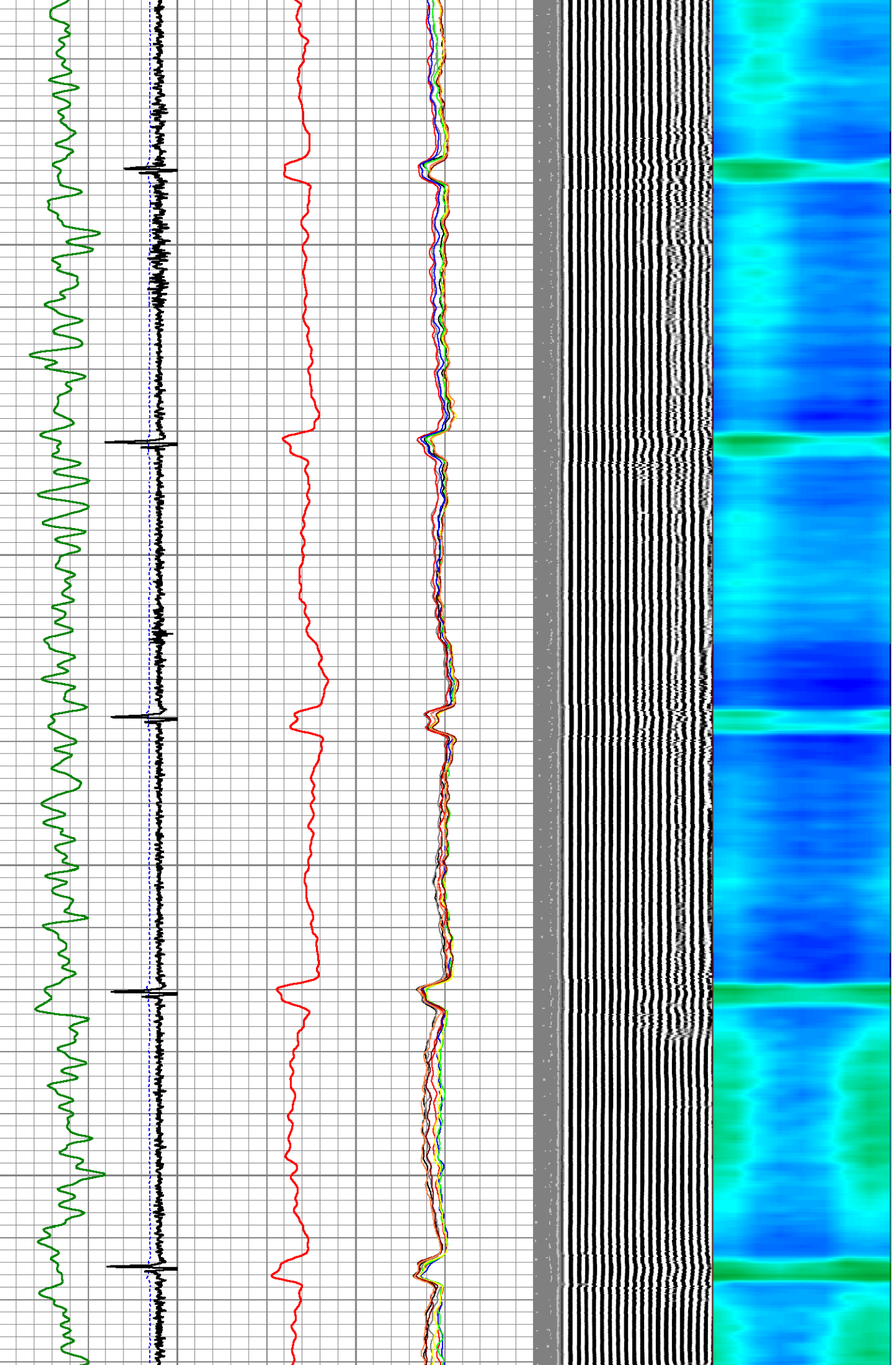


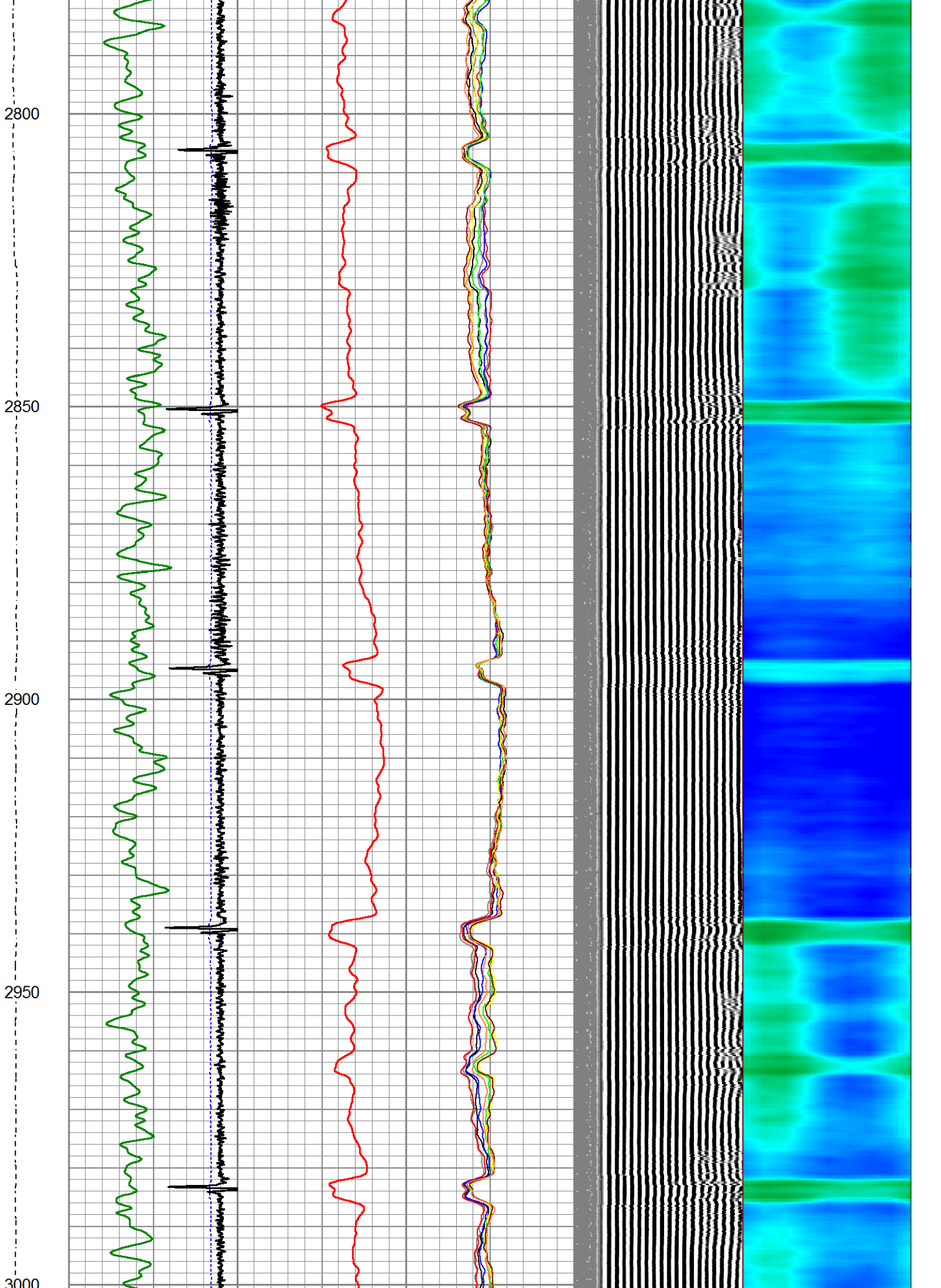
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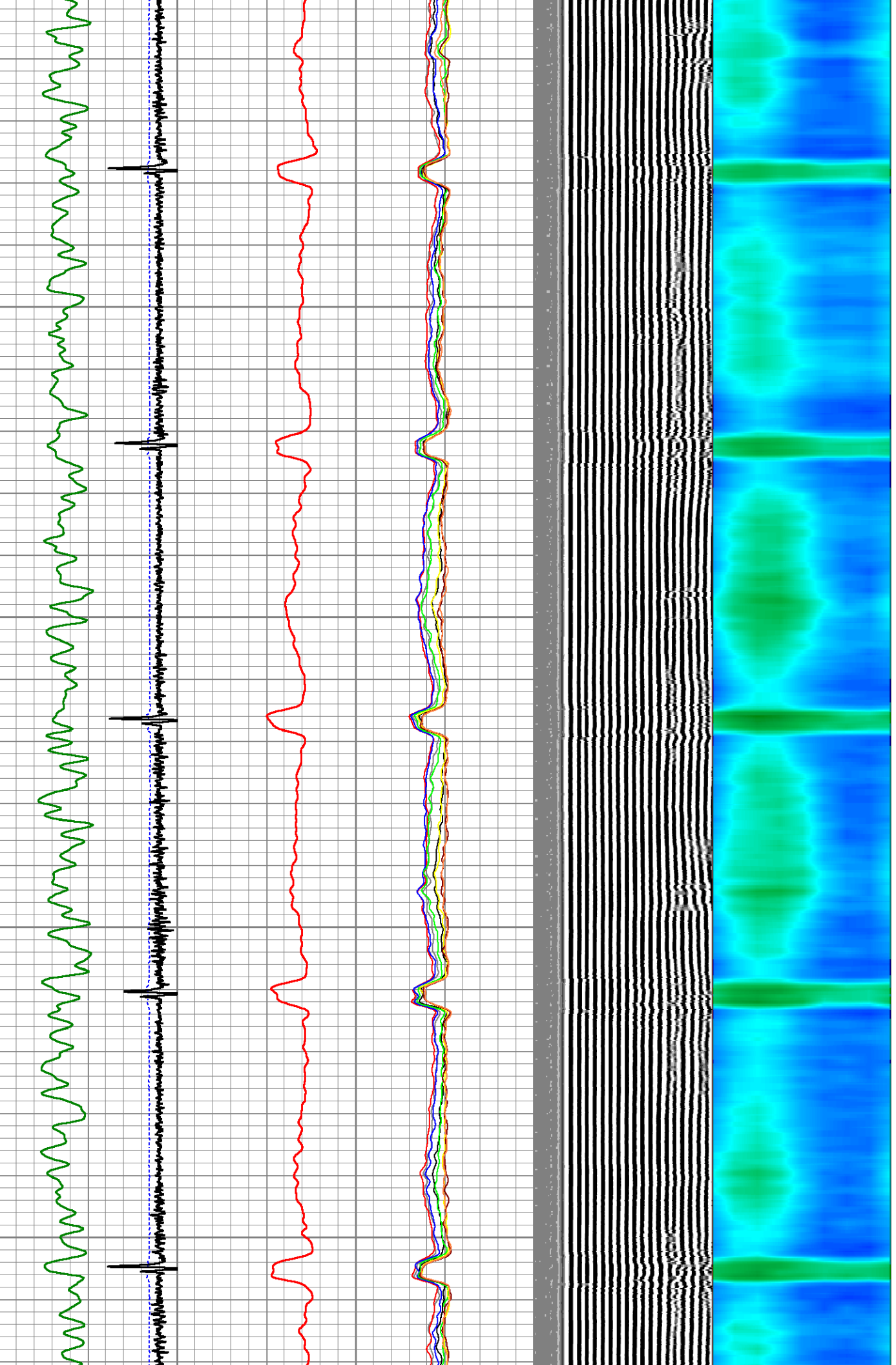
2700

2750





3200 3150 3100 3050

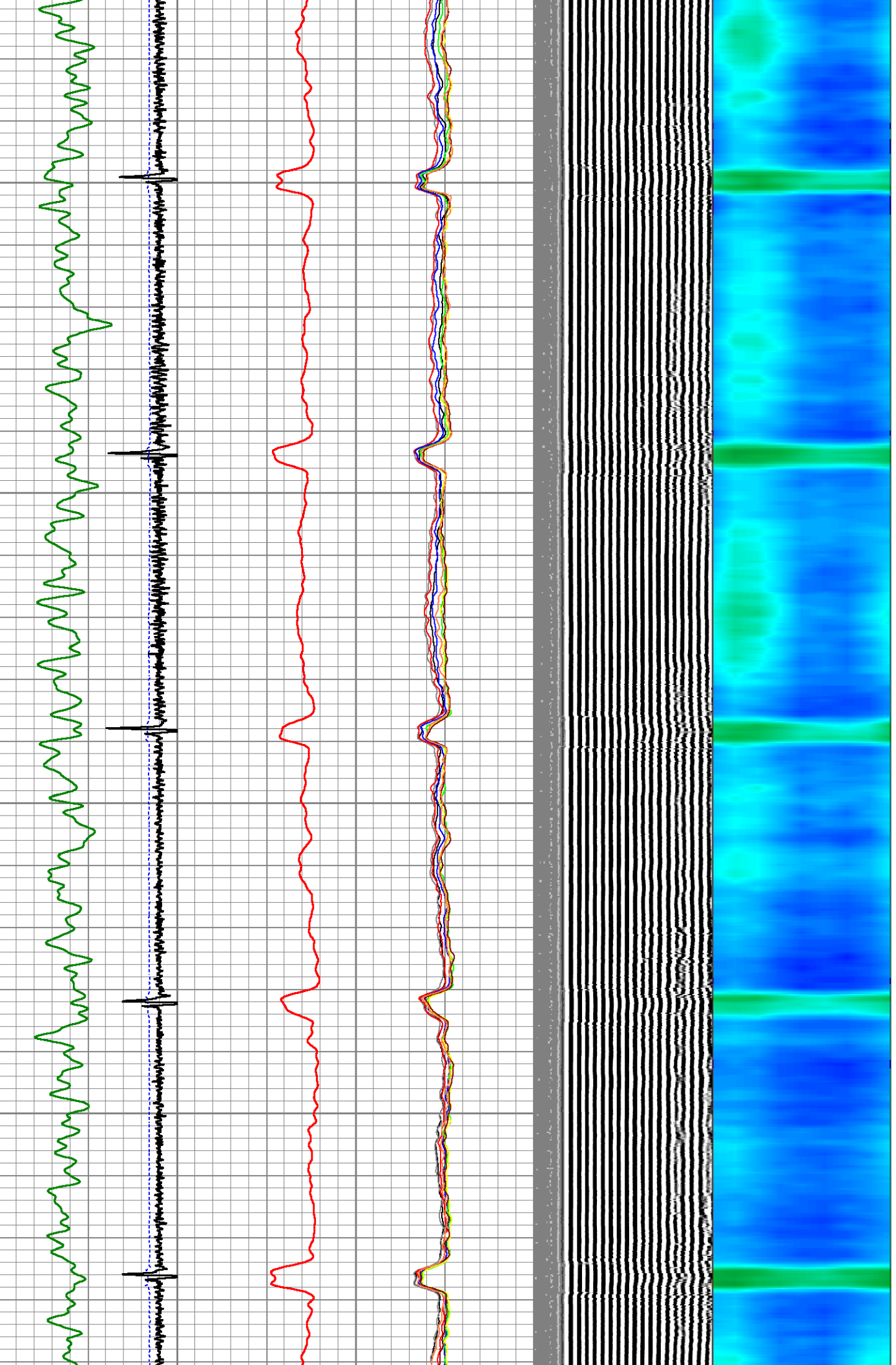


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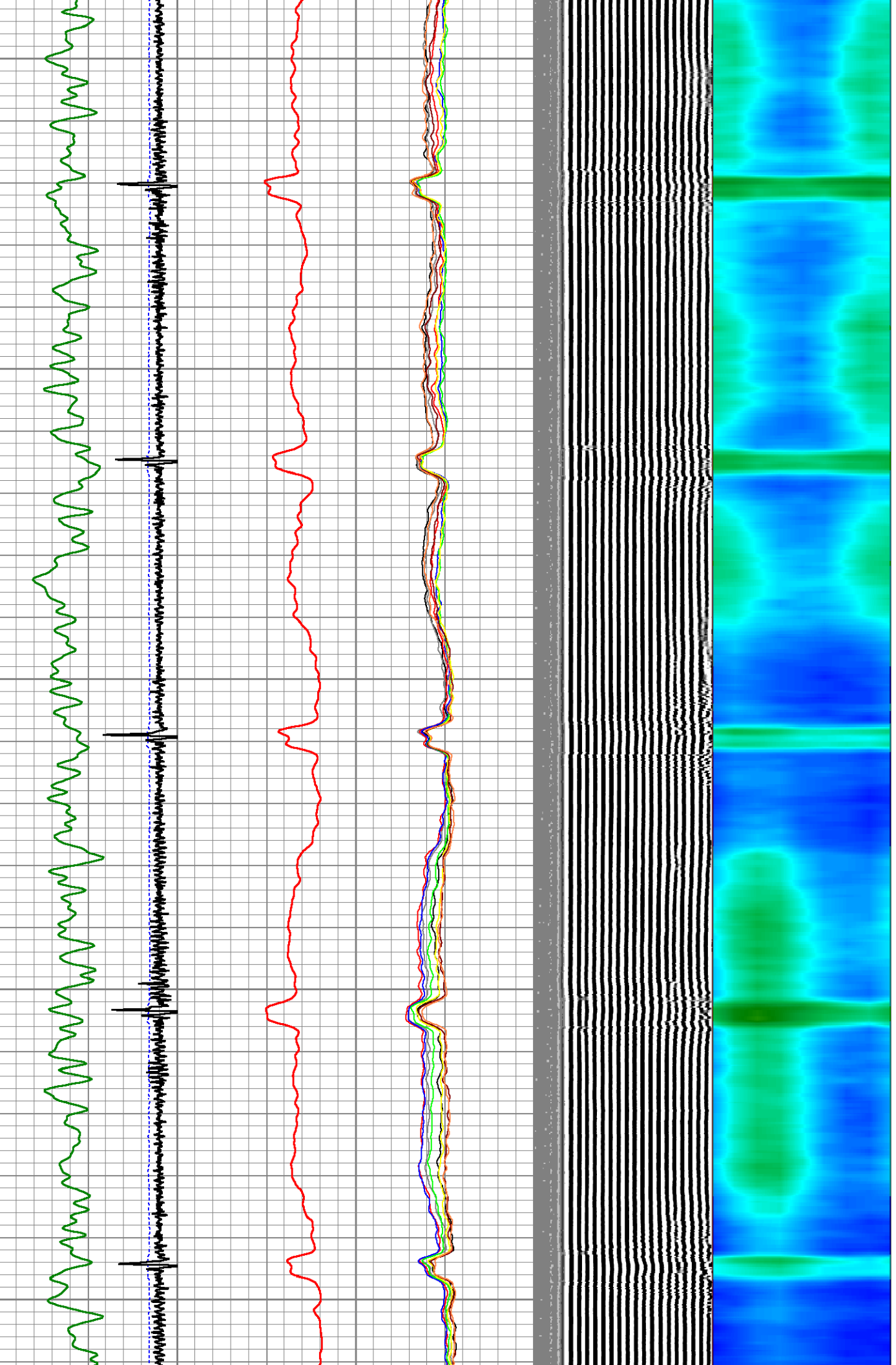
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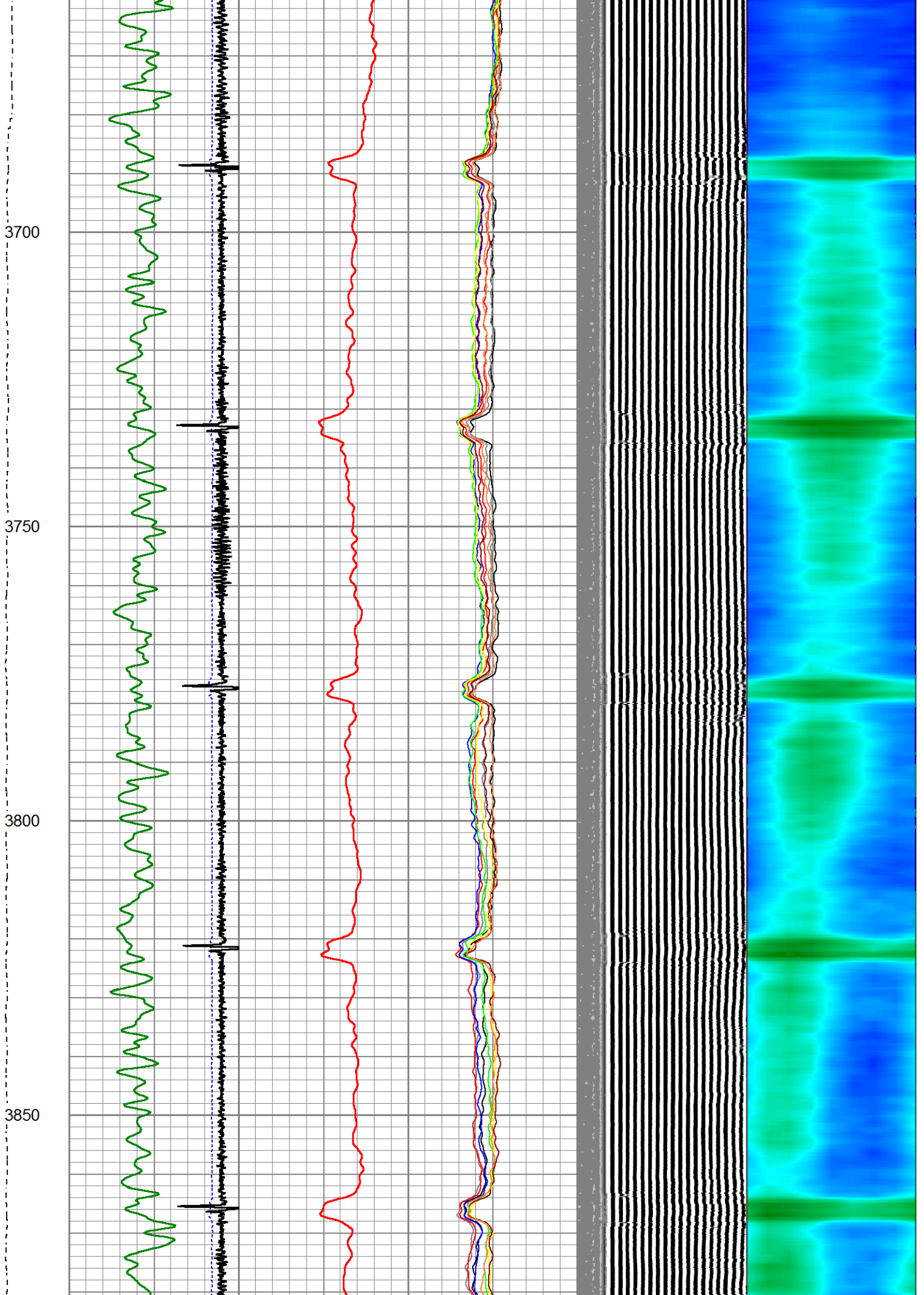
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3400



3450
3500
3550
3600
3650





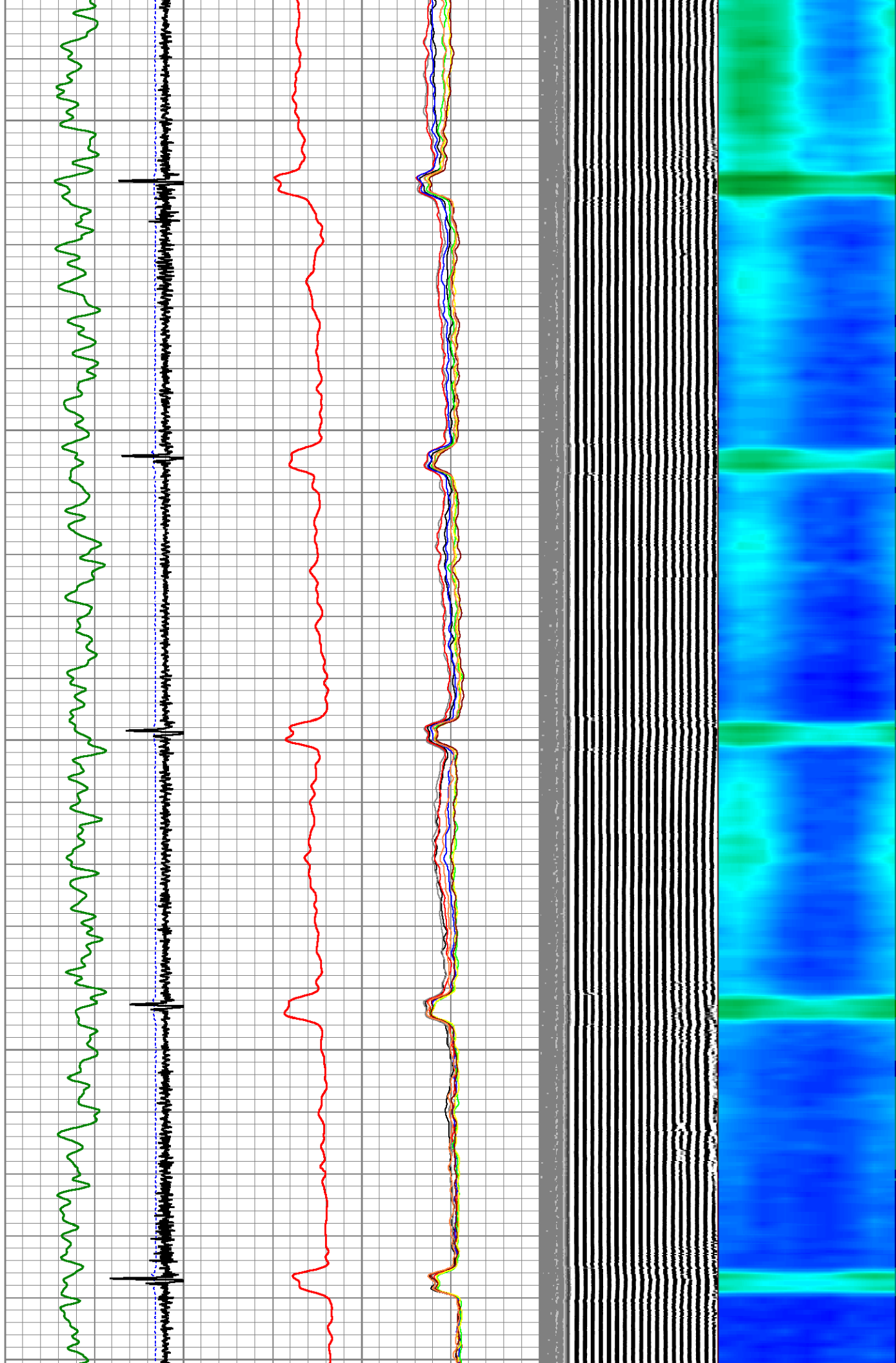
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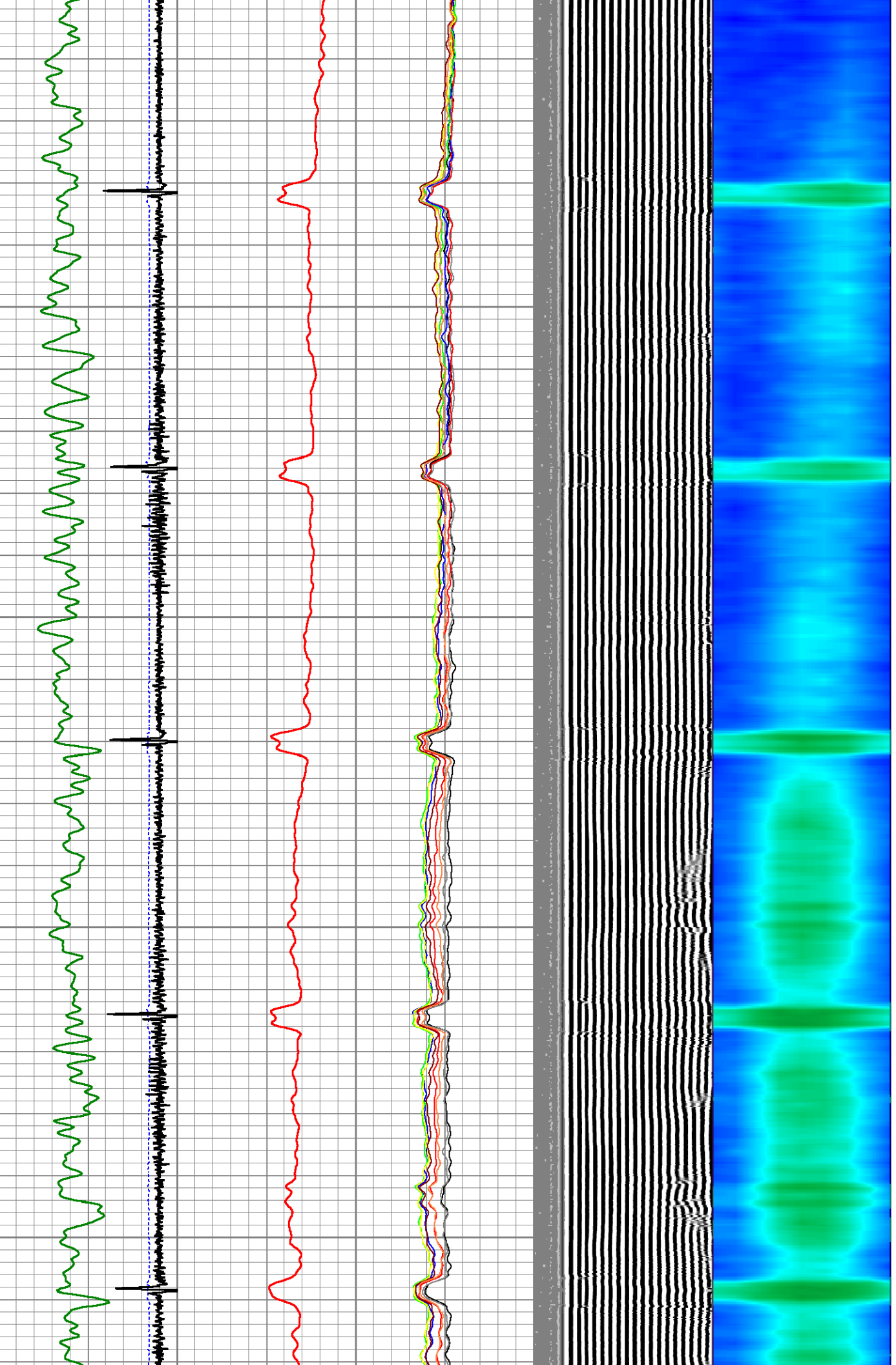
4000

4050

4100



4300 4250 4200 4150 4100

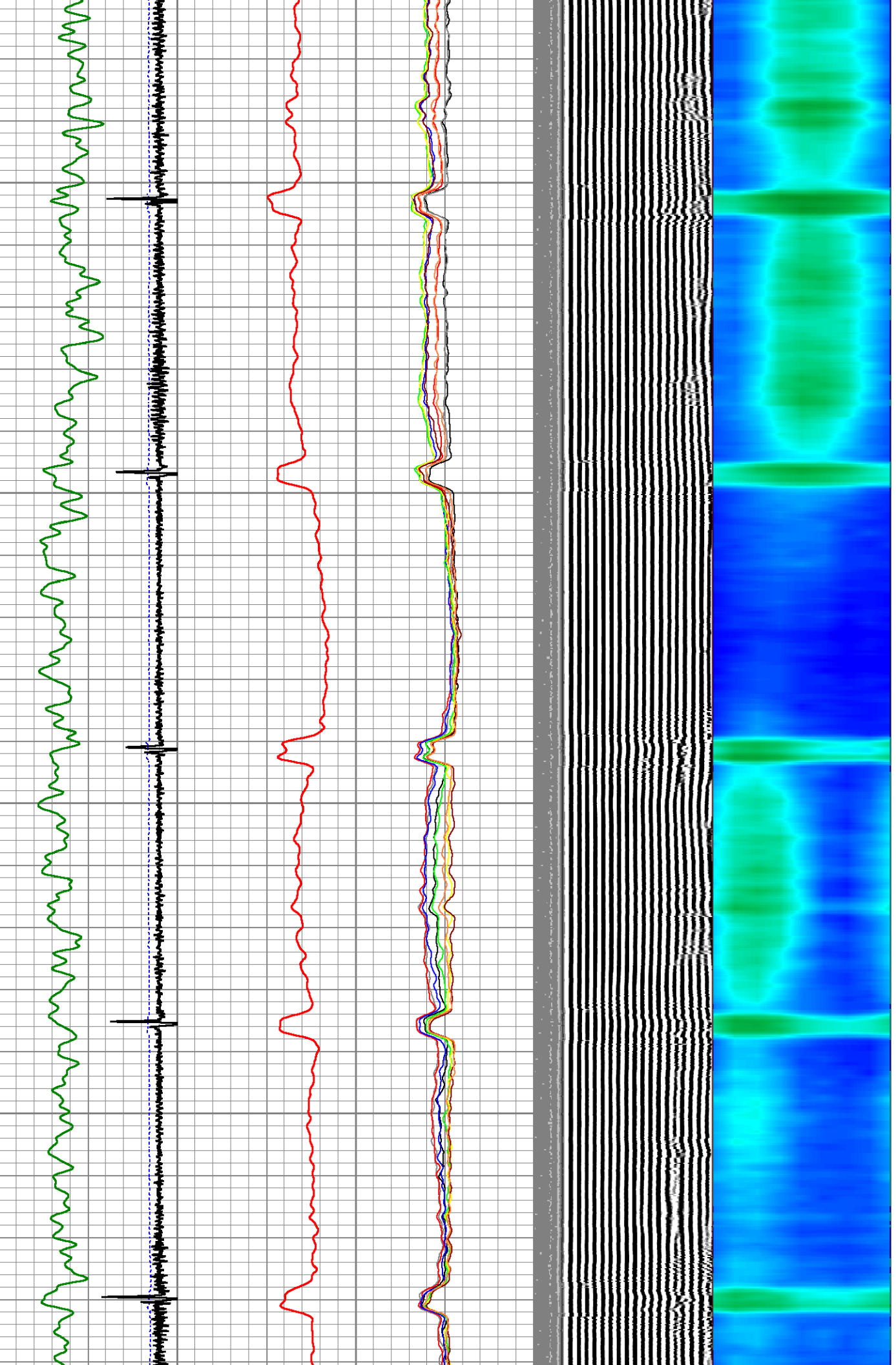


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4400

4450

4500



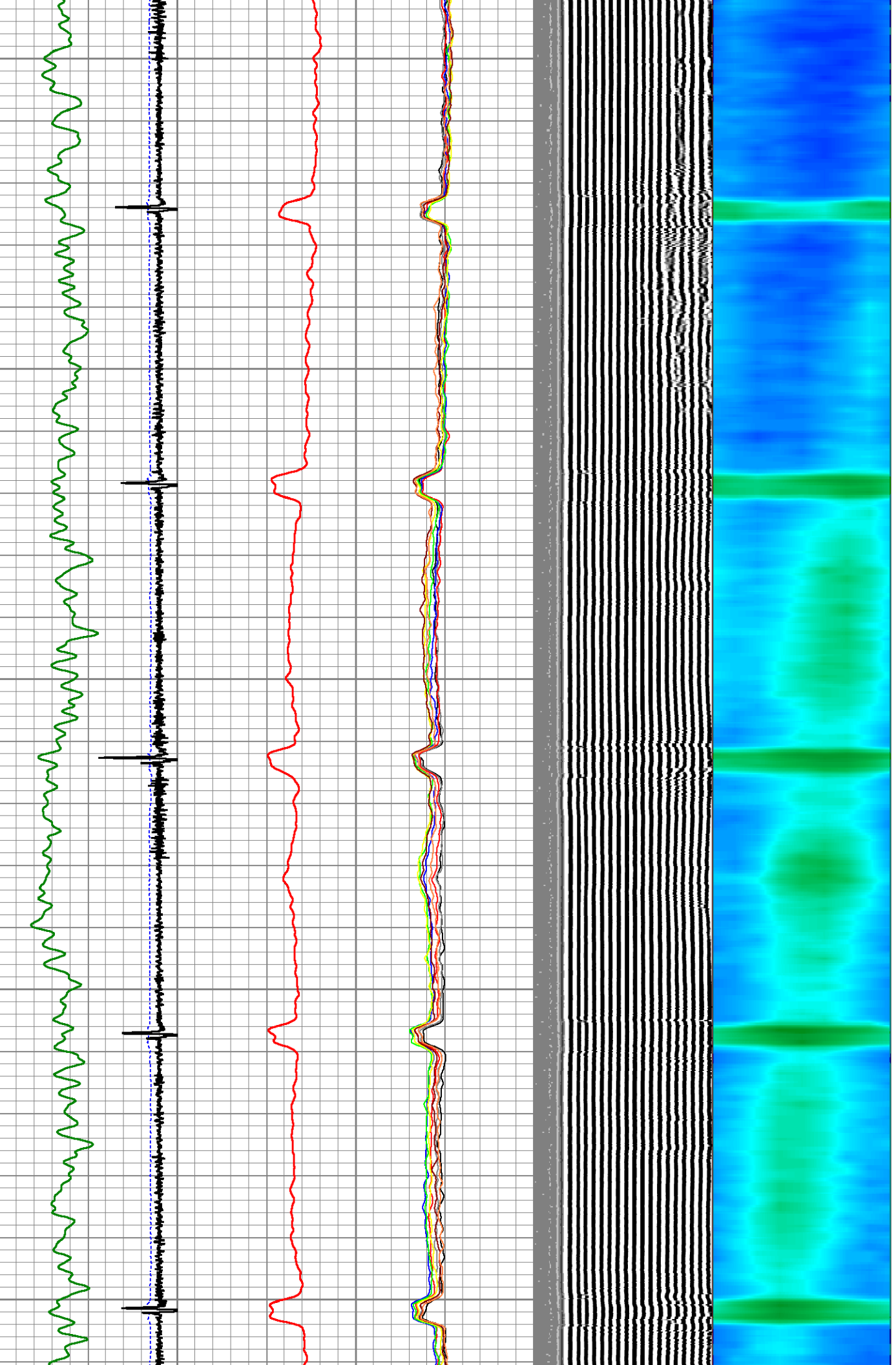
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4600

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4700

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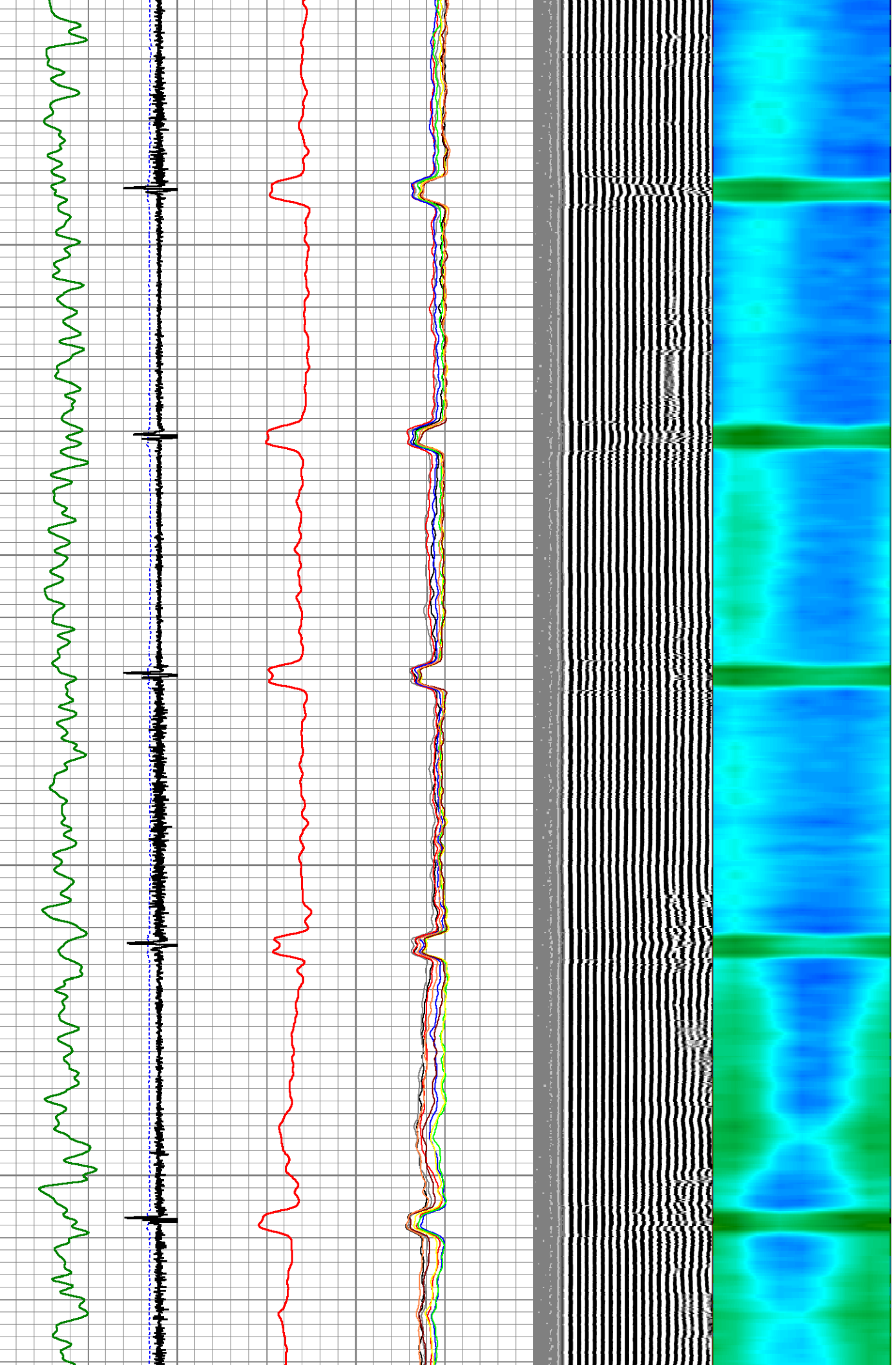


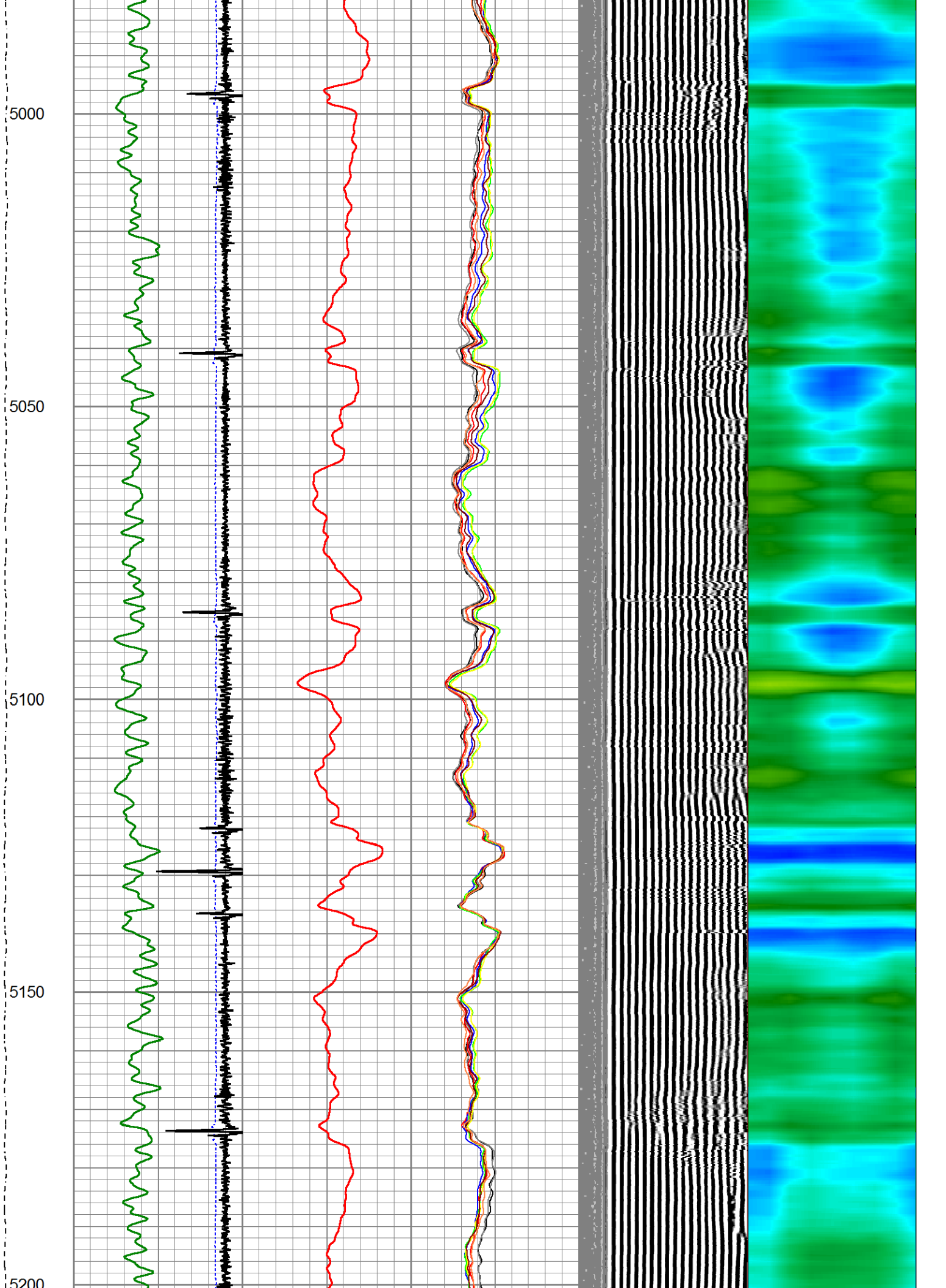
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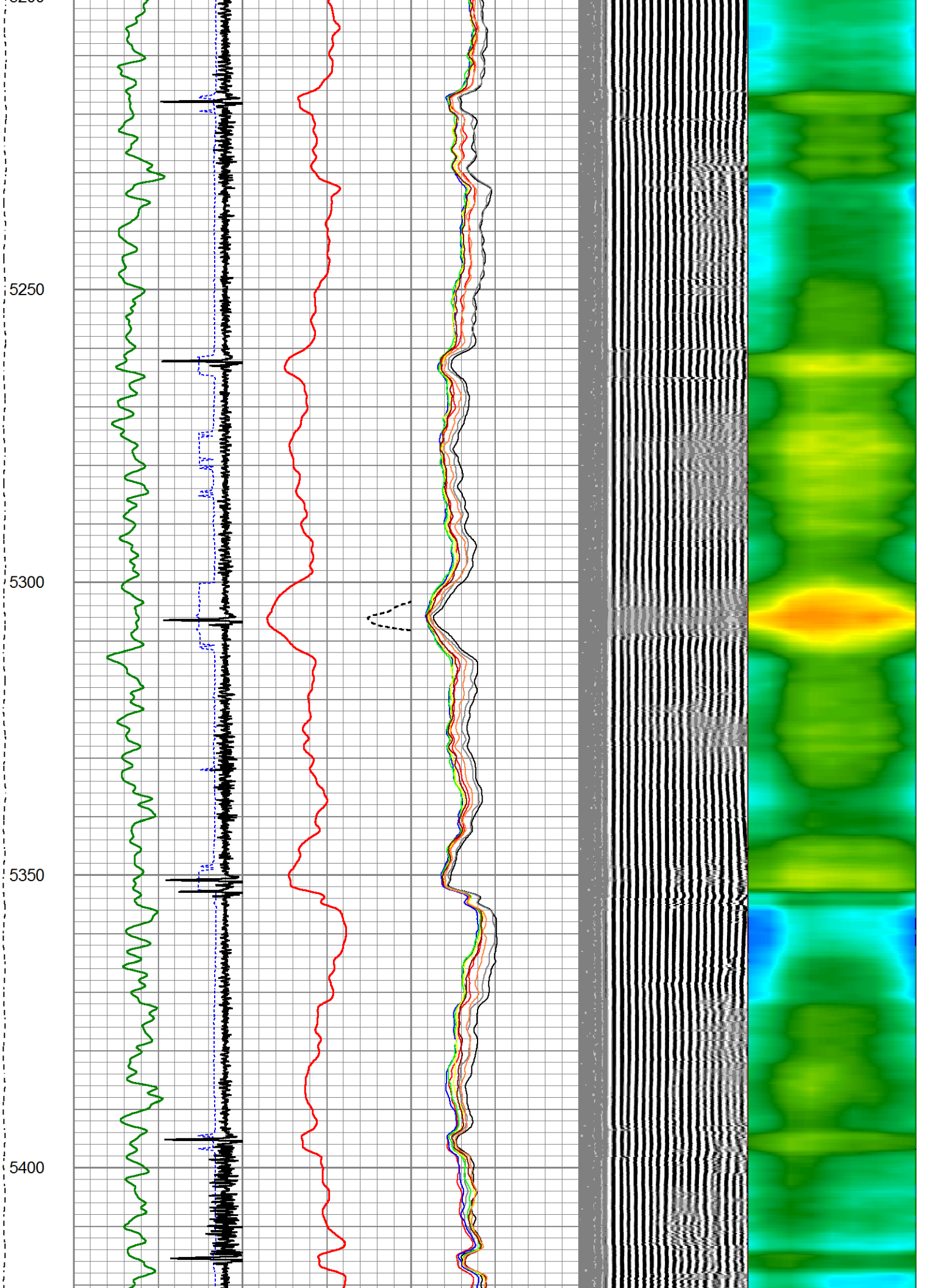
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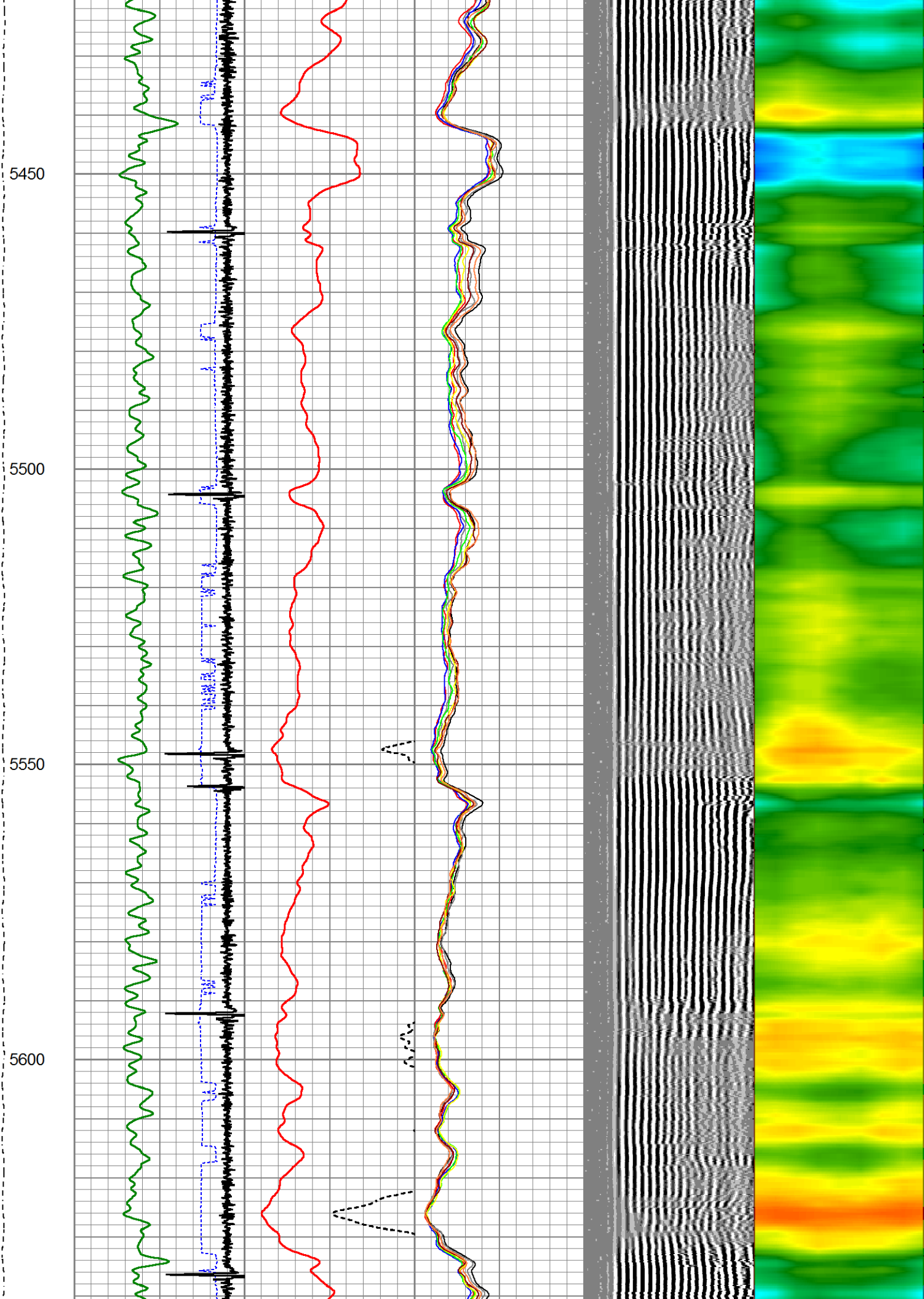
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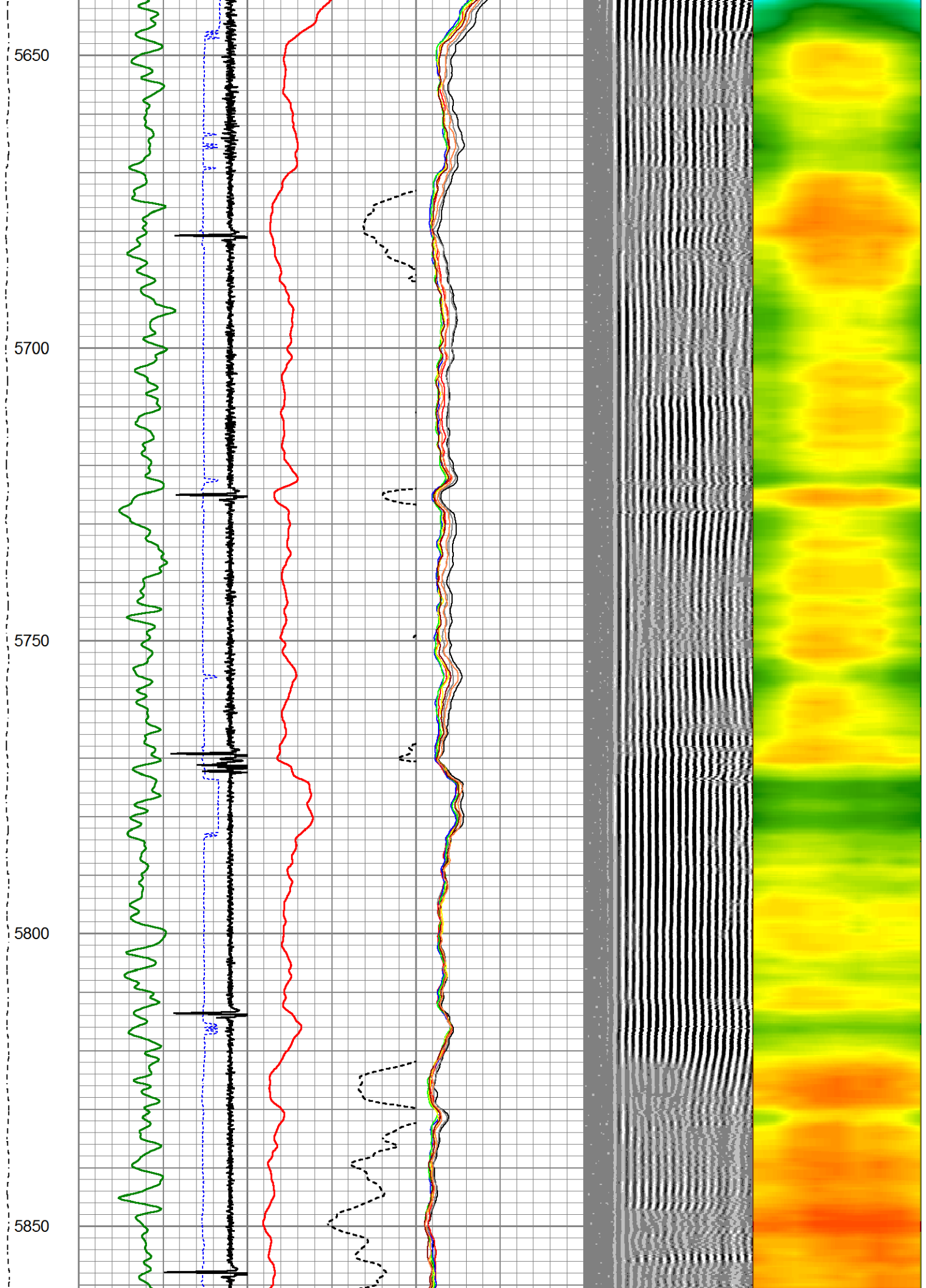
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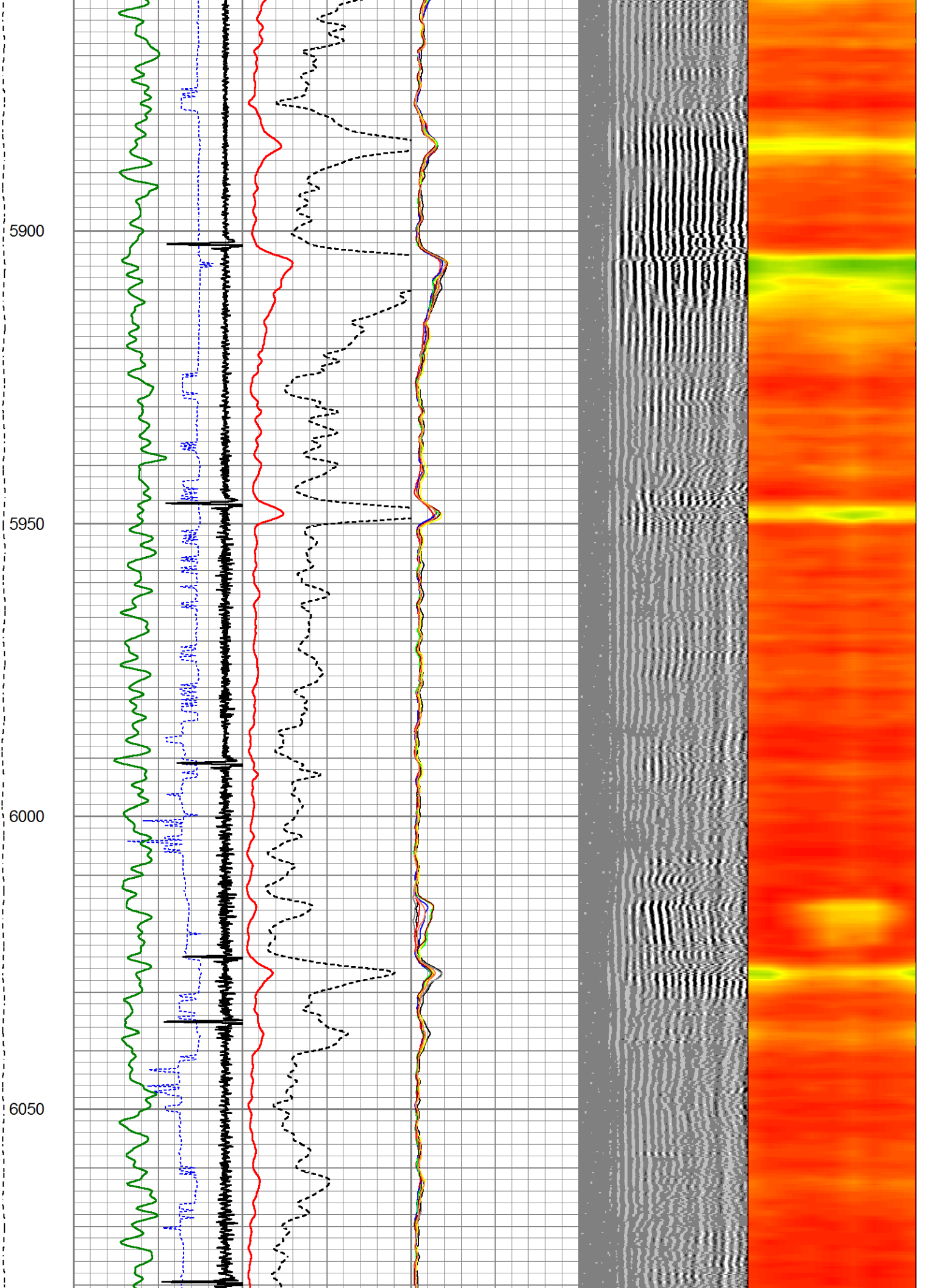


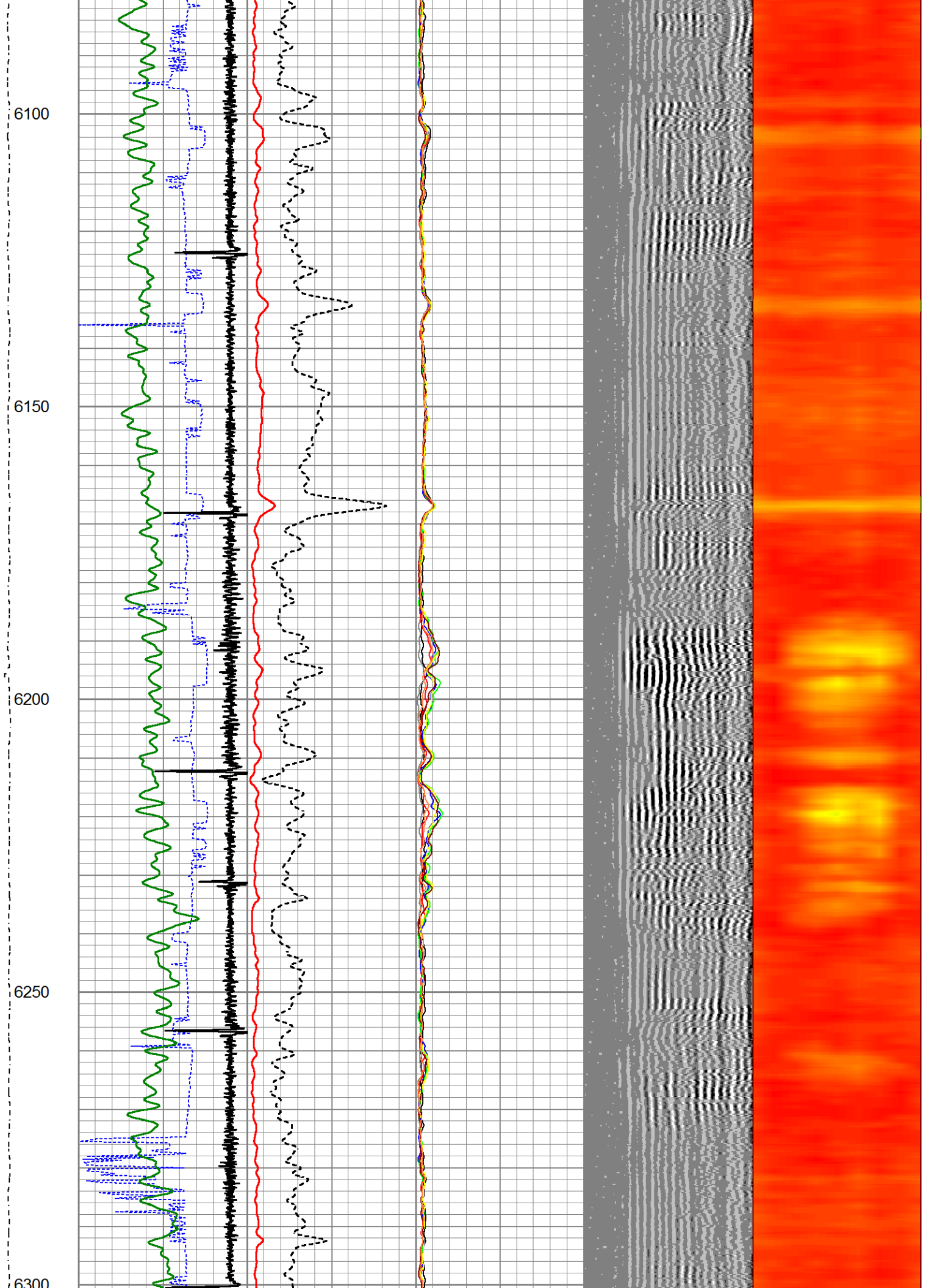


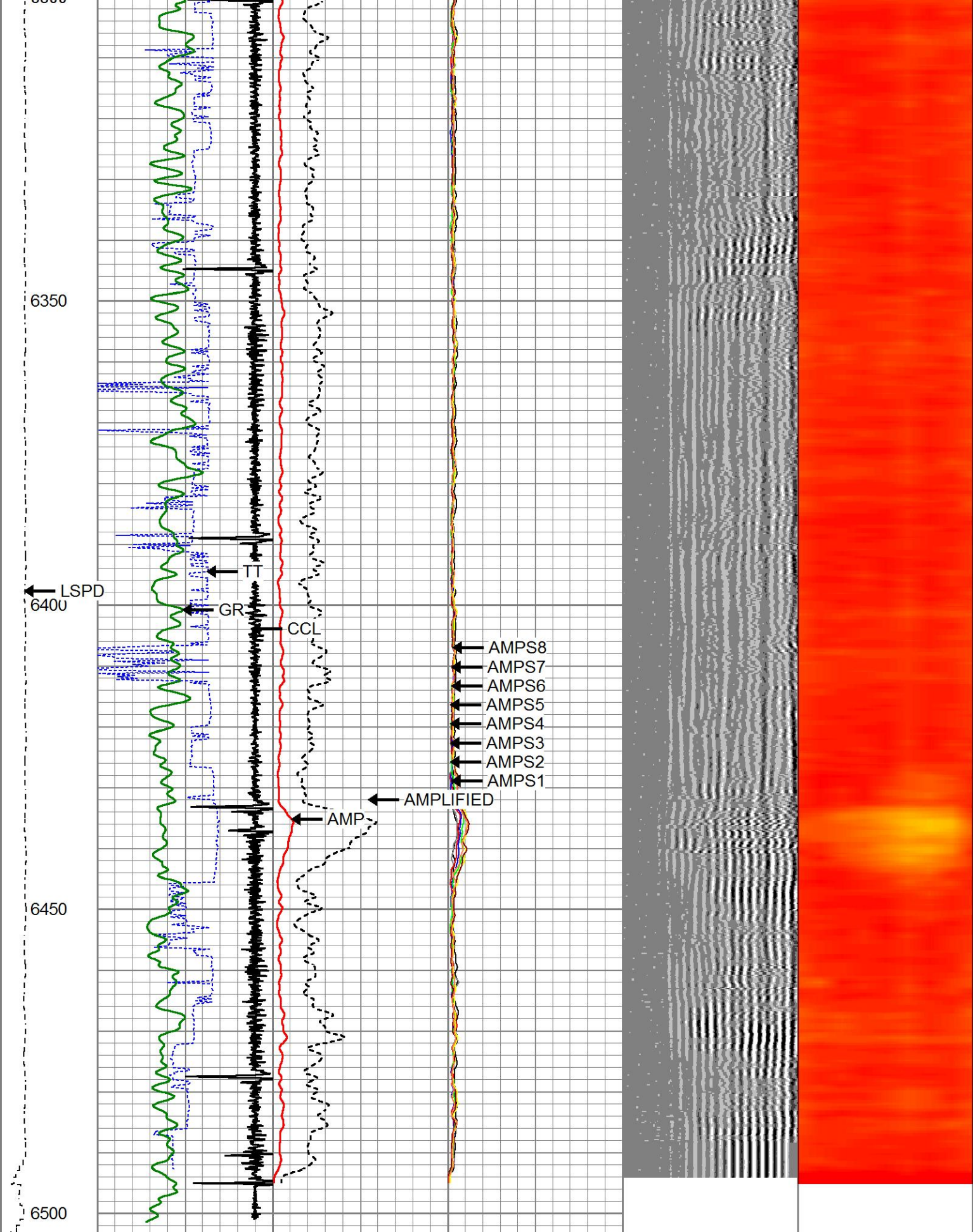












LSPD	650	TT (usec)	150	0	AMP (mV)	100	0	AMPS1	150	200	VDL (usec)	1200	1	Cement Map	8
(ft/min)	-9	CCL	1		AMPLIFIED	0		AMPS2	150						
0	250	GR (GAPI)	200	0	(mV)	20	0	AMPS3	150						

200 GR (GAPI) 400

0	AMPS4	150
0	AMPS5	150
0	AMPS6	150
0	AMPS7	150
0	AMPS8	150

Calibration Report

Database File flanigan01b-06h.db
Dataset Pathname pass8
Dataset Creation Fri Nov 15 08:47:15 2024

Gamma Ray Calibration Report

Serial Number: 27GRL10-XXXX
Tool Model: 27GRL10
Performed: (Not Performed)

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: Greeley Ext Temp
Tool Model: 27SBT10

Calibration Casing Diameter: 4.500 in
Calibration Depth: -2261.959 ft

Master Calibration, performed (Derived):

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	1.250	0.800	81.196	64.308	0.800
CAL	0.000	1.915				
5'	0.000	0.978	0.800	81.196	82.182	0.800
SUM						
S1	0.000	1.203	0.000	81.196	67.477	-0.000
S2	0.000	1.232	0.000	81.196	65.923	-0.000
S3	0.000	1.280	0.000	81.196	63.440	-0.000
S4	0.000	1.315	0.000	81.196	61.729	-0.000
S5	0.000	1.339	0.000	81.196	60.620	-0.000
S6	0.000	1.377	0.000	81.196	58.945	-0.000
S7	0.000	1.286	0.000	81.196	63.128	-0.000
S8	0.000	1.181	0.000	81.196	68.730	-0.000

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.000	1.915	1.000	0.000

Air Zero Calibration, performed Mon Aug 05 11:02:31 2024:

	Raw (v)	Calibrated (v)	Results
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	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



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