

**Company OCCIDENTAL PETROLEUM INC.  
Well WOLF UPRR 32-31  
Field WATTENBERG  
County WELD State COLORADO**

**Location**  
API# 05-123-13799  
SEC 31 TWN 4N RNG 66W  
PERF  
Other Services  
Permanent Datum GROUND LEVEL Elevation 4770'  
Log Measured From KELLY BUSHING (11' A.G.L.)  
Drilling Measured From KELLY BUSHING  
Elevation  
K.B. 4781'  
D.F. 4780'  
G.L. 4770'

Date	17 JUNE, 2024
Run Number	ONE
Depth Driller	7411'
Depth Logger	4500'
Bottom Logged Interval	4497'
Top Log Interval	SURFACE
Casing Size	4.5"
Type Fluid	WATER
Density / Viscosity	N/A
Max. Recorded Temp.	N/A
Estimated Cement Top	EST CEM 4410'
Time Well Ready	R.O.A.
Time Logger on Bottom	8:55AM
Equipment Number	200128
Location	STERLING, CO
Recorded By	ADAM GARDNER
Witnessed By	LUIS MORALES

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

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24#	0'	265'
Prot. String				
Production String	4.5"	15.10#	0'	7404'
Liner				

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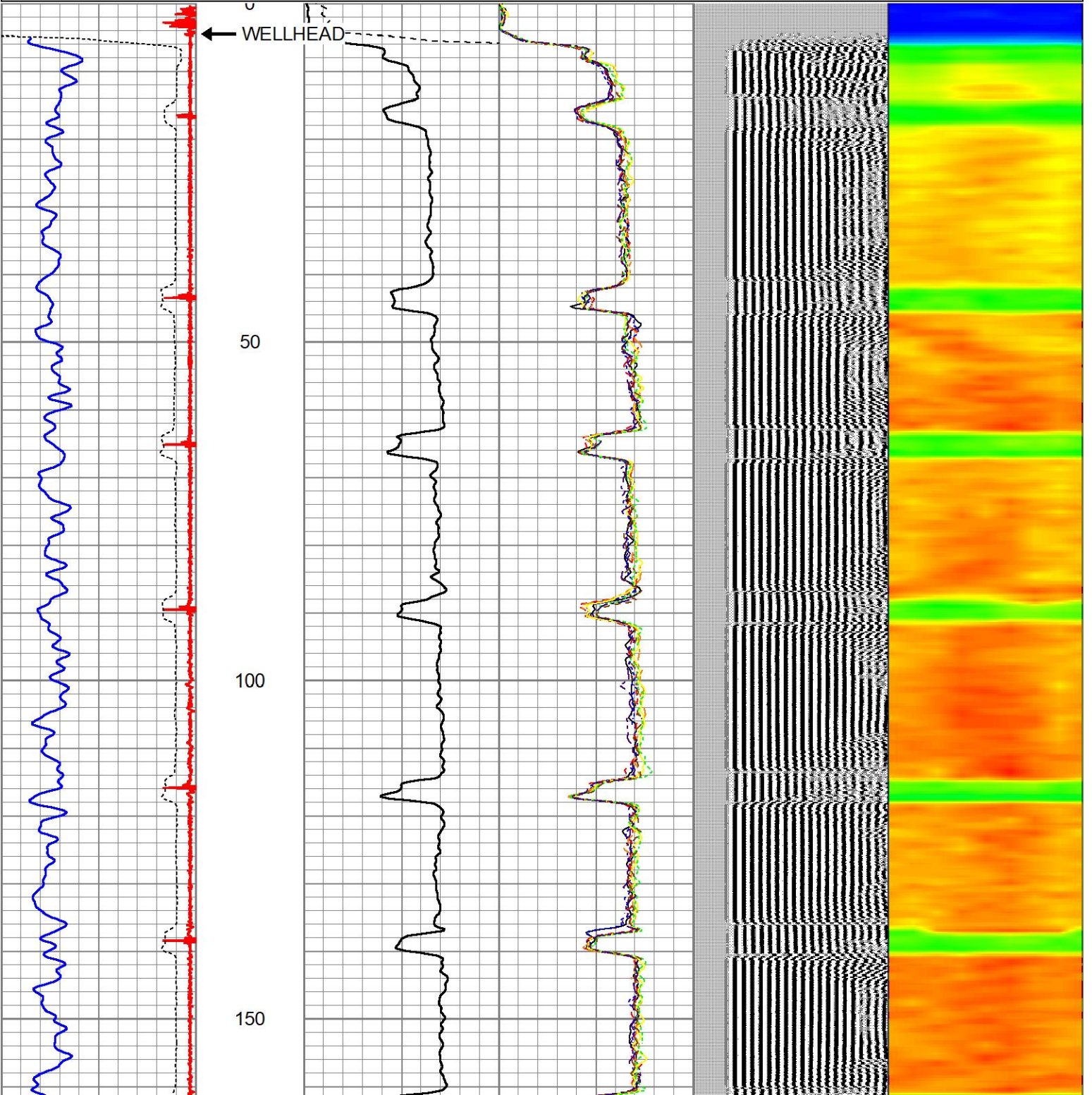
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

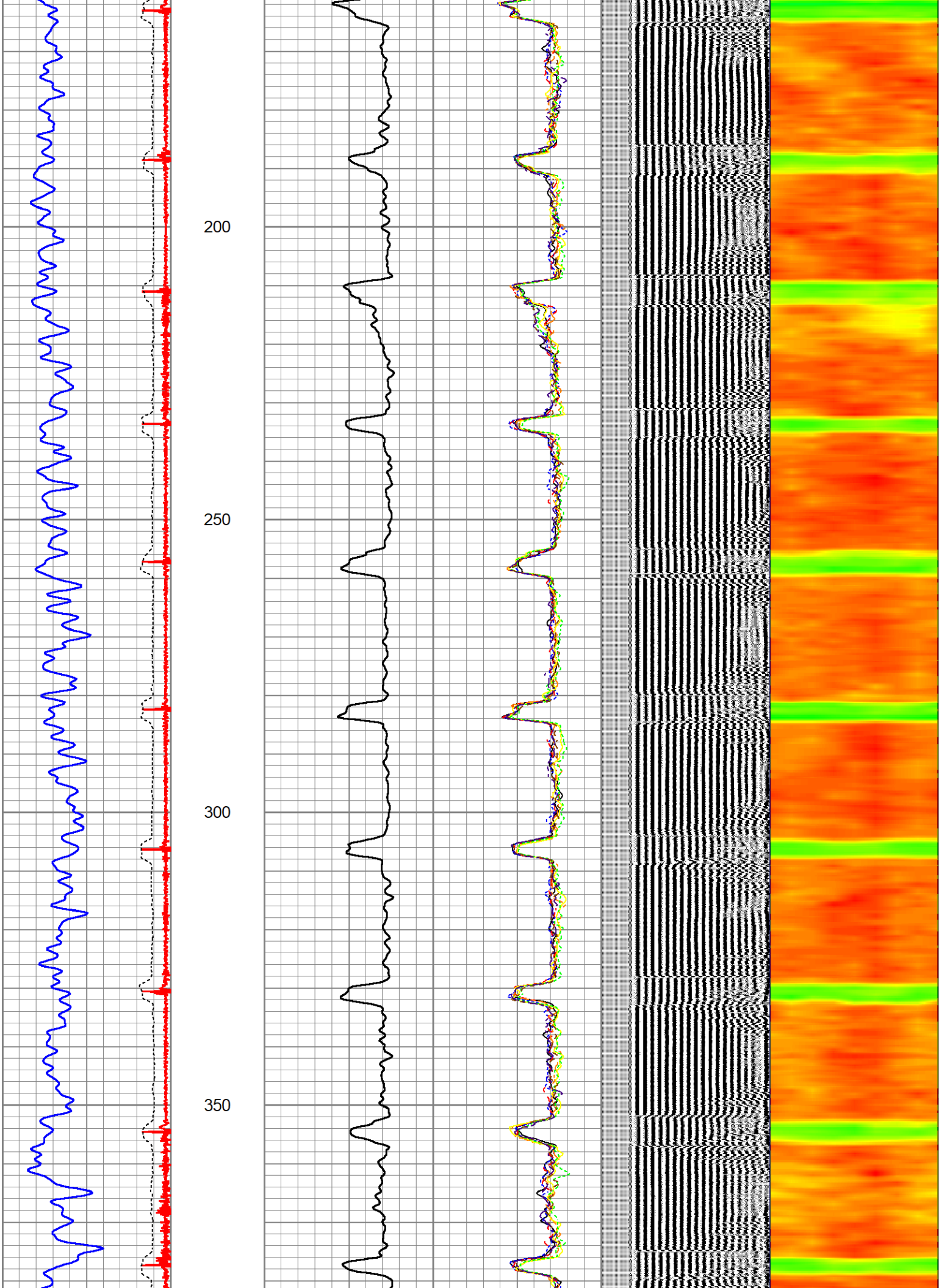
**Comments**

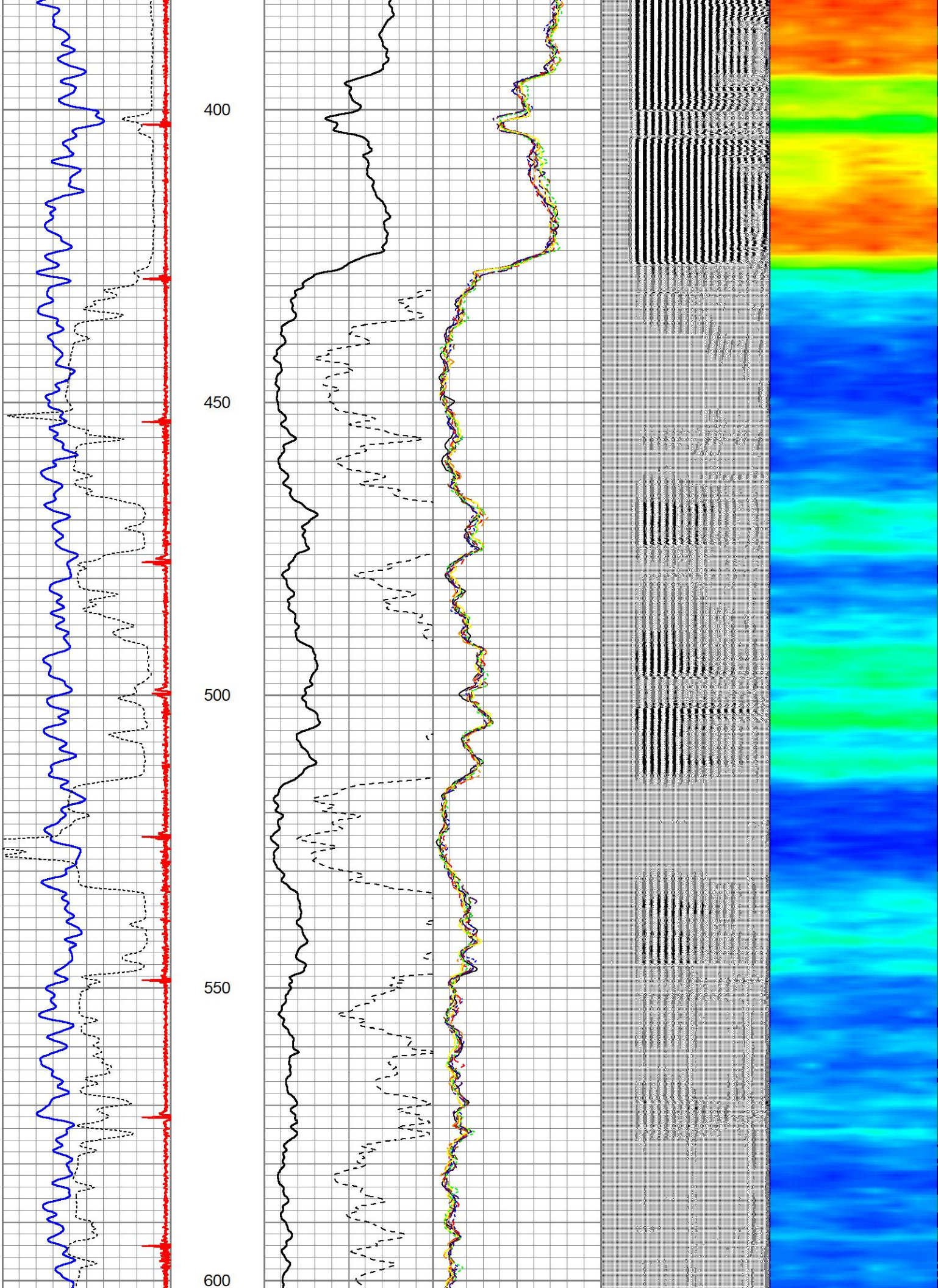
**LOG CORRELATED TO IPS LOG DATED 1-15-2016  
FIRST LOG ( 0 P.S.I.) SECOND LOG ( 2500 P.S.I.)  
THANK YOU FOR USING NEXTIER COMPLETIONS AND SOLUTIONS!!**

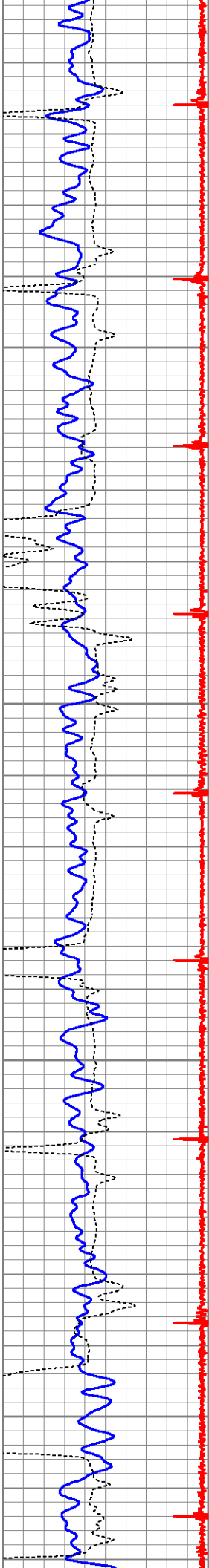
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 Dataset Pathname pass4  
 Presentation Format zwag (2)  
 Dataset Creation Mon Jun 17 08:54:28 2024  
 Charted by Depth in Feet scaled 1:240

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0	GR (GAPI)	150	AMPLIFIED AMP3			0	AMPS2	100						
340	TT3 (usec)	243	0	(mV)	20	0	AMPS3	100						
						0	AMPS4	100						
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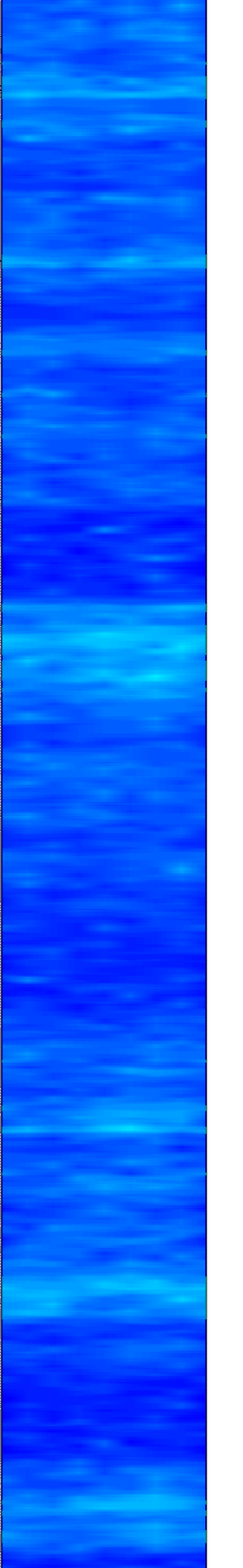
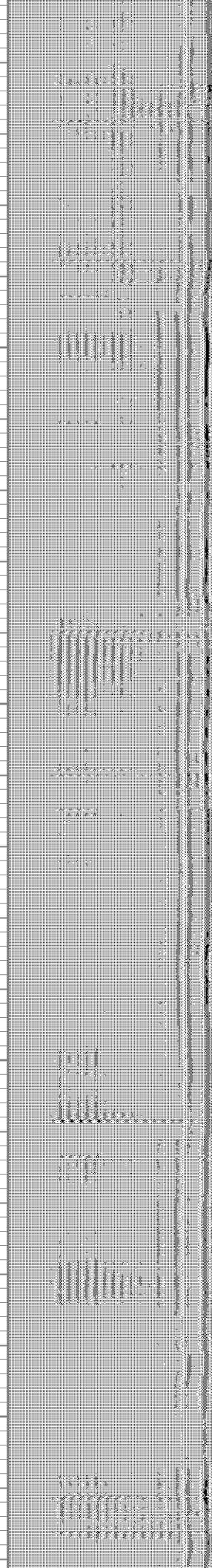
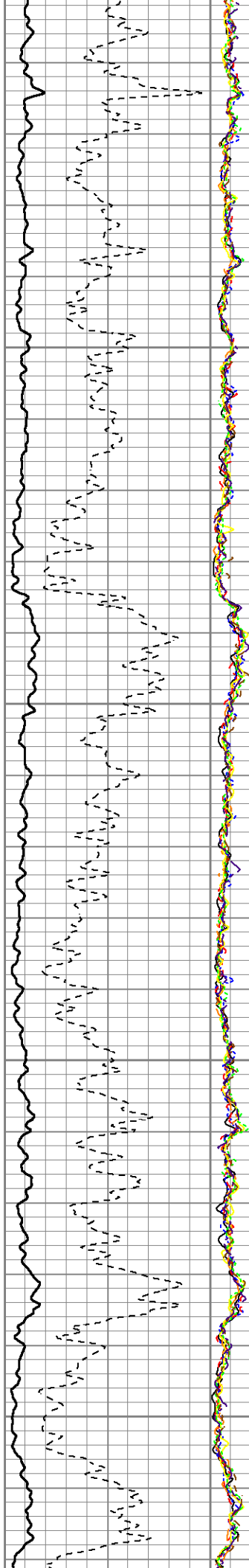


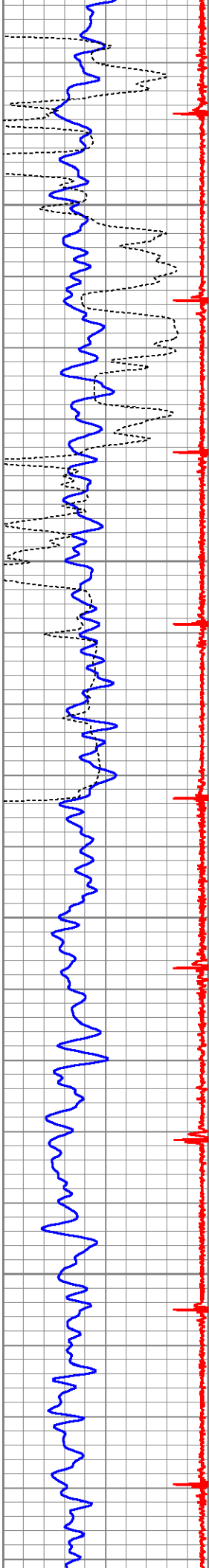
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700

750

800



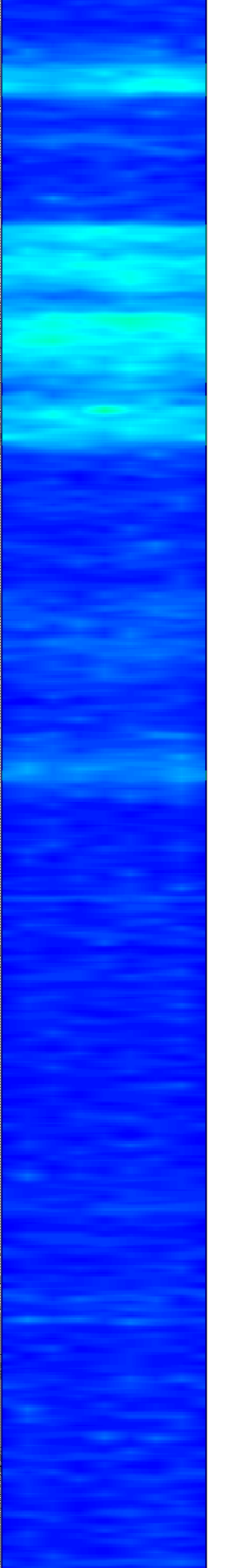
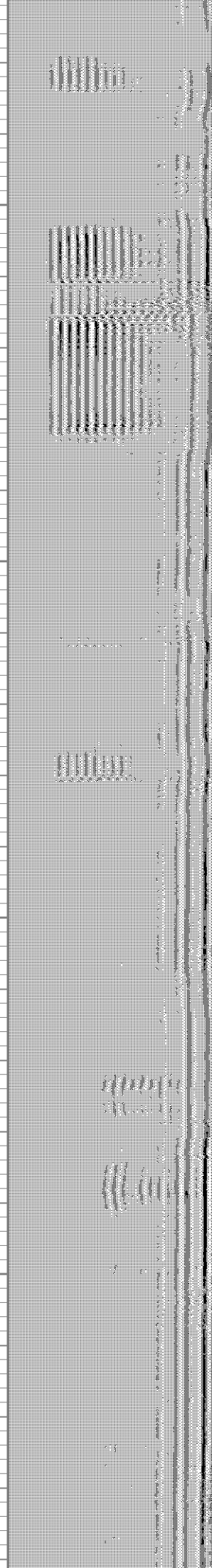
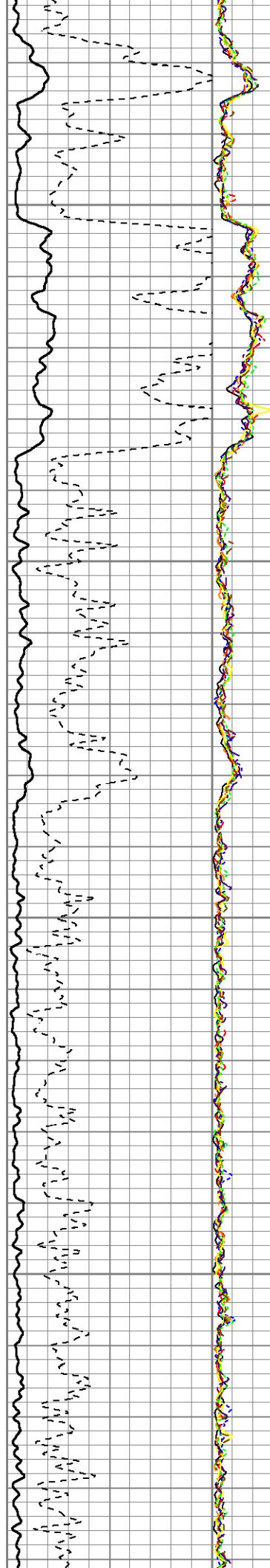


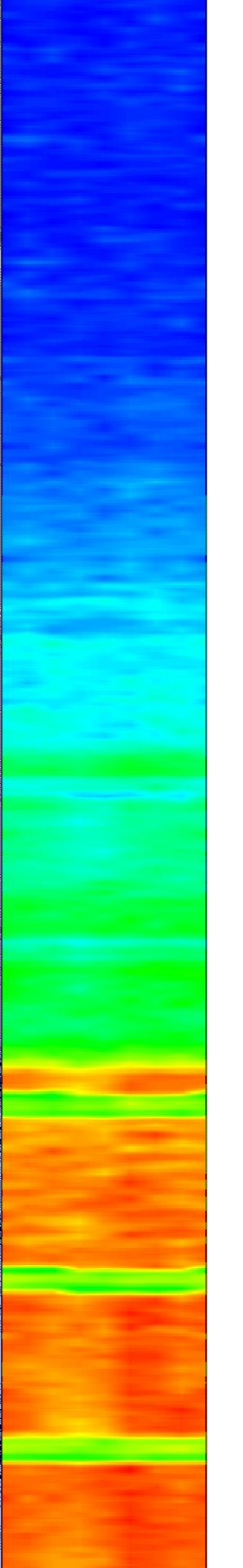
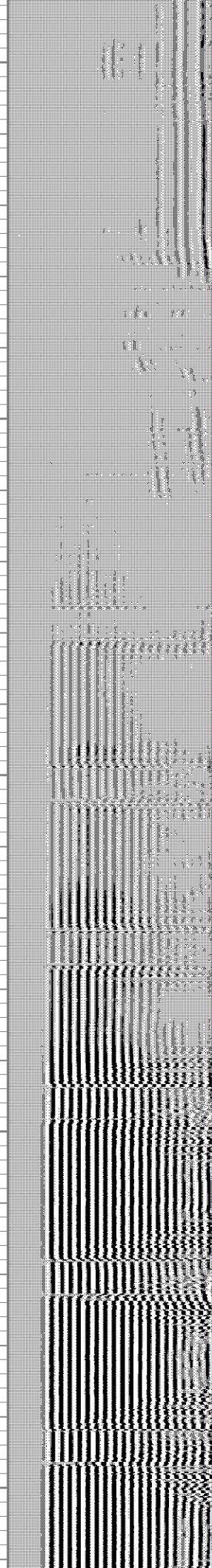
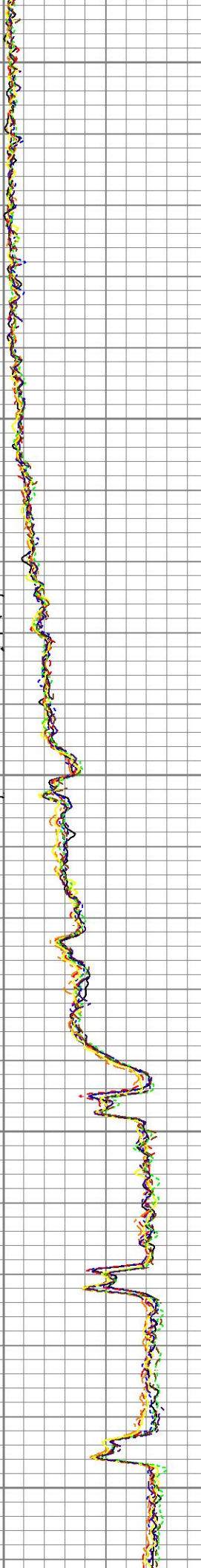
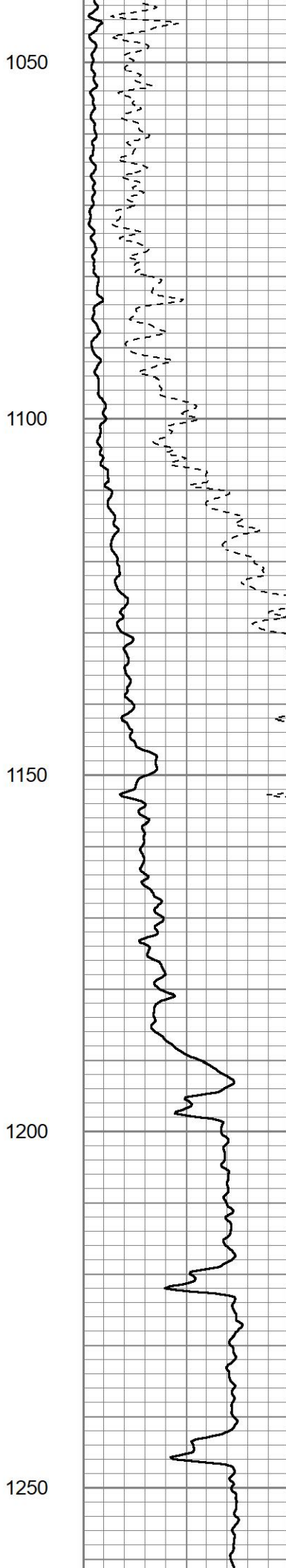
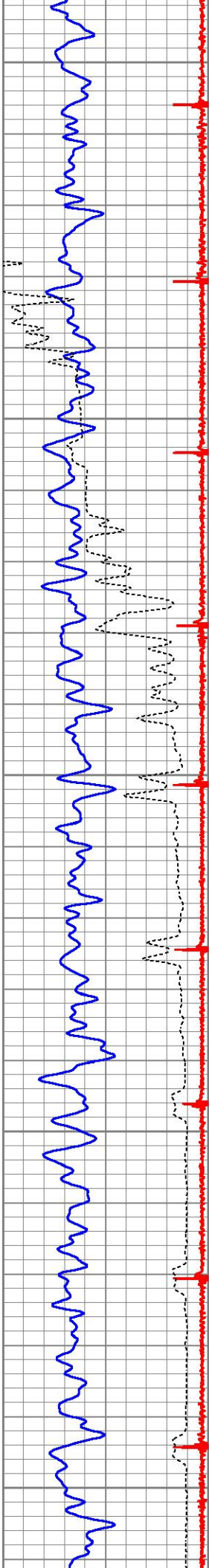
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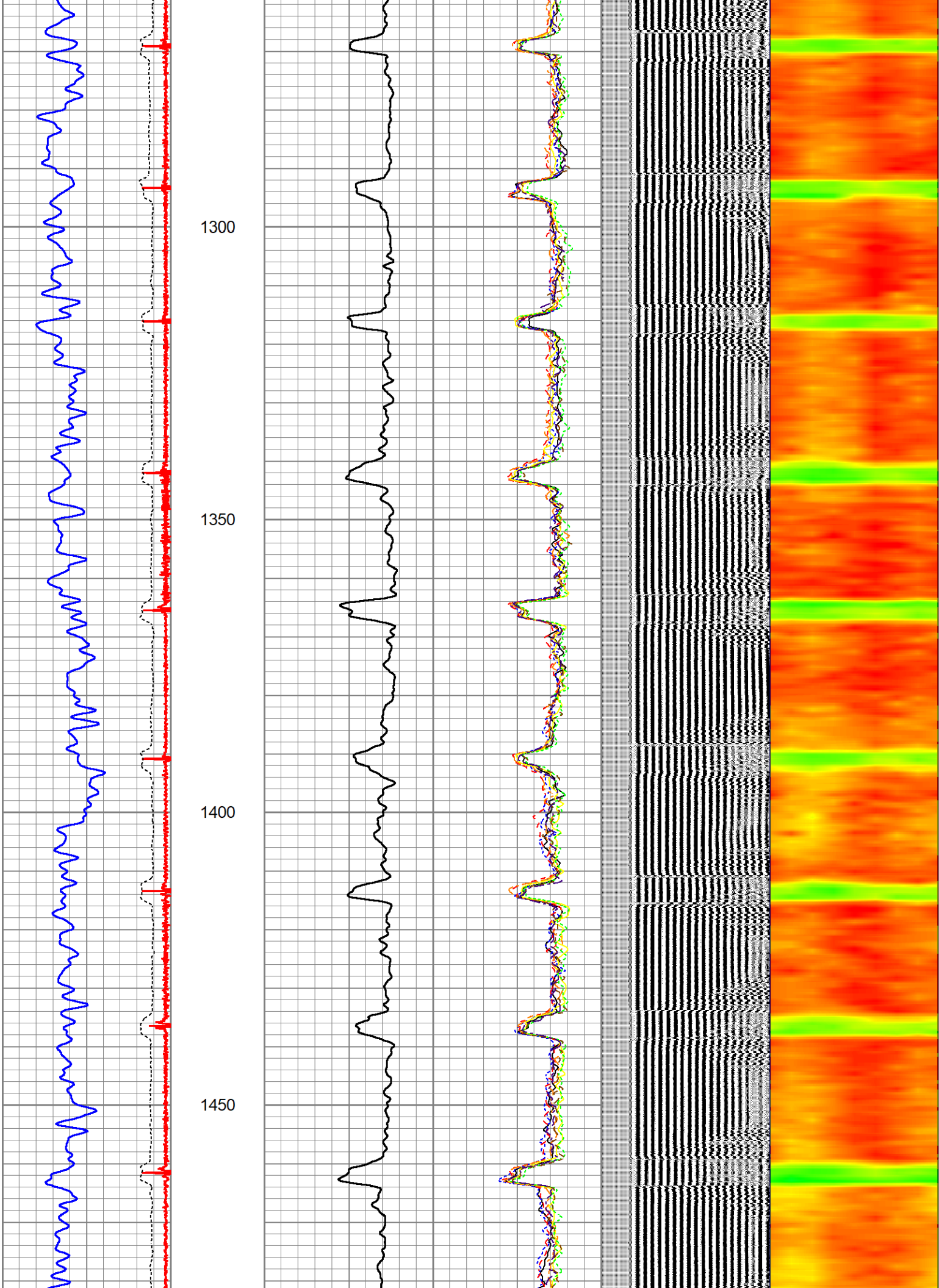
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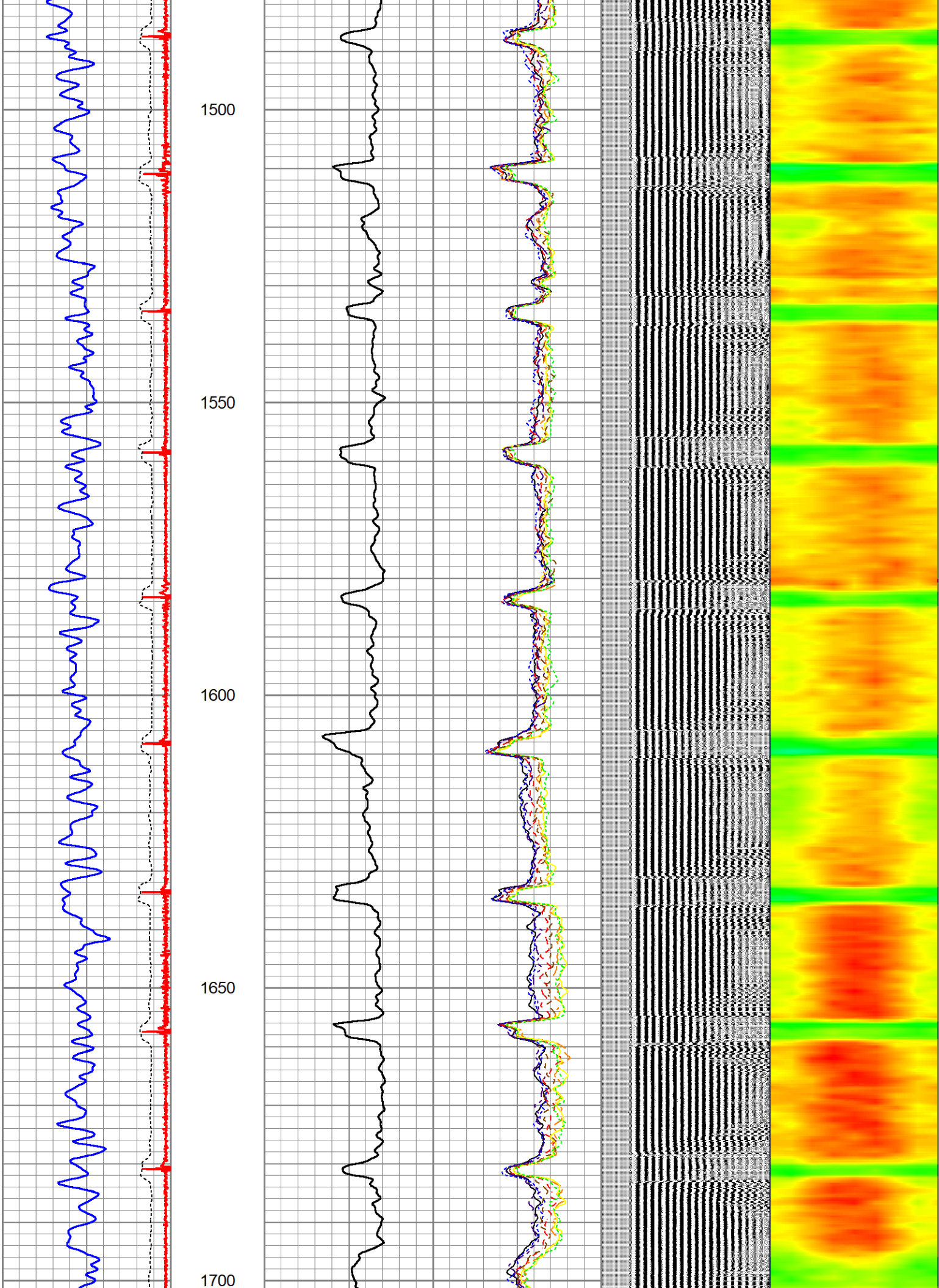
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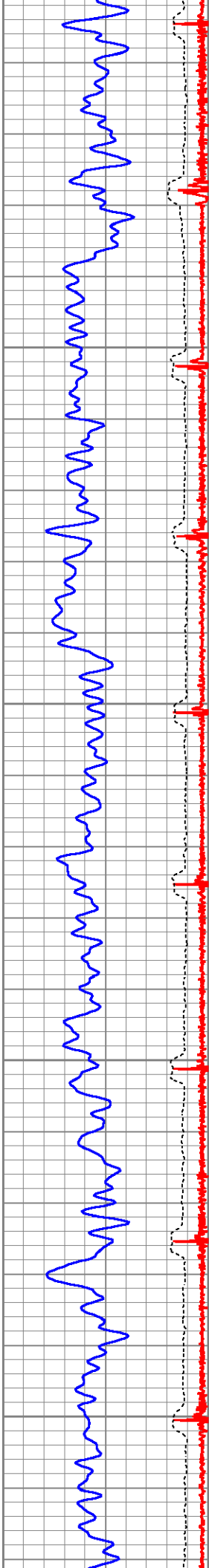
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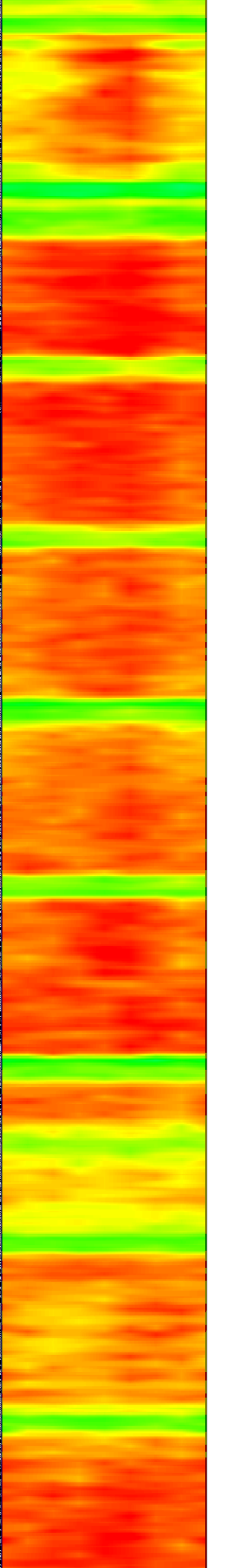
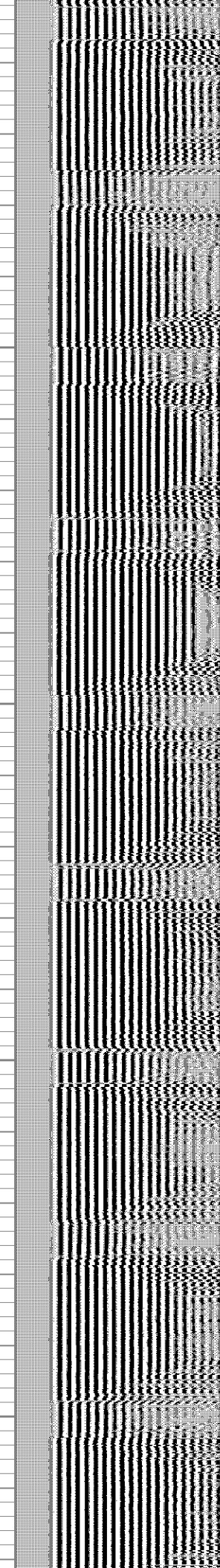
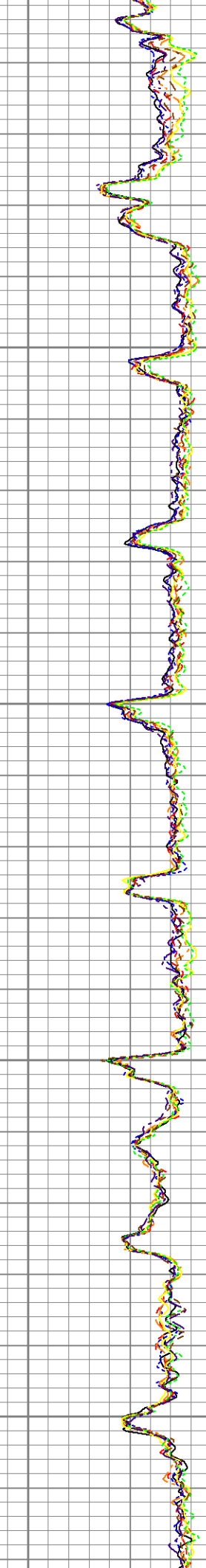
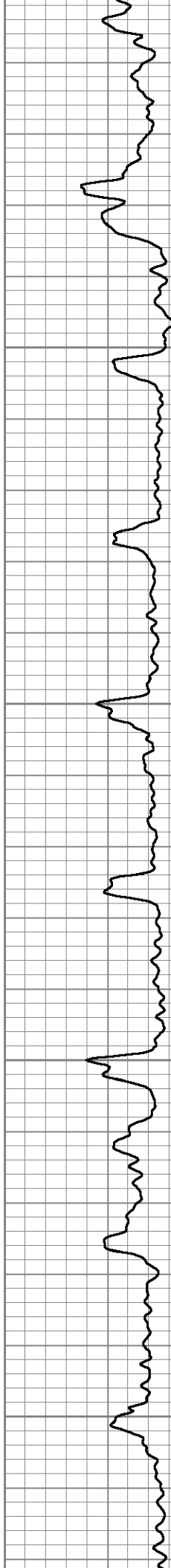


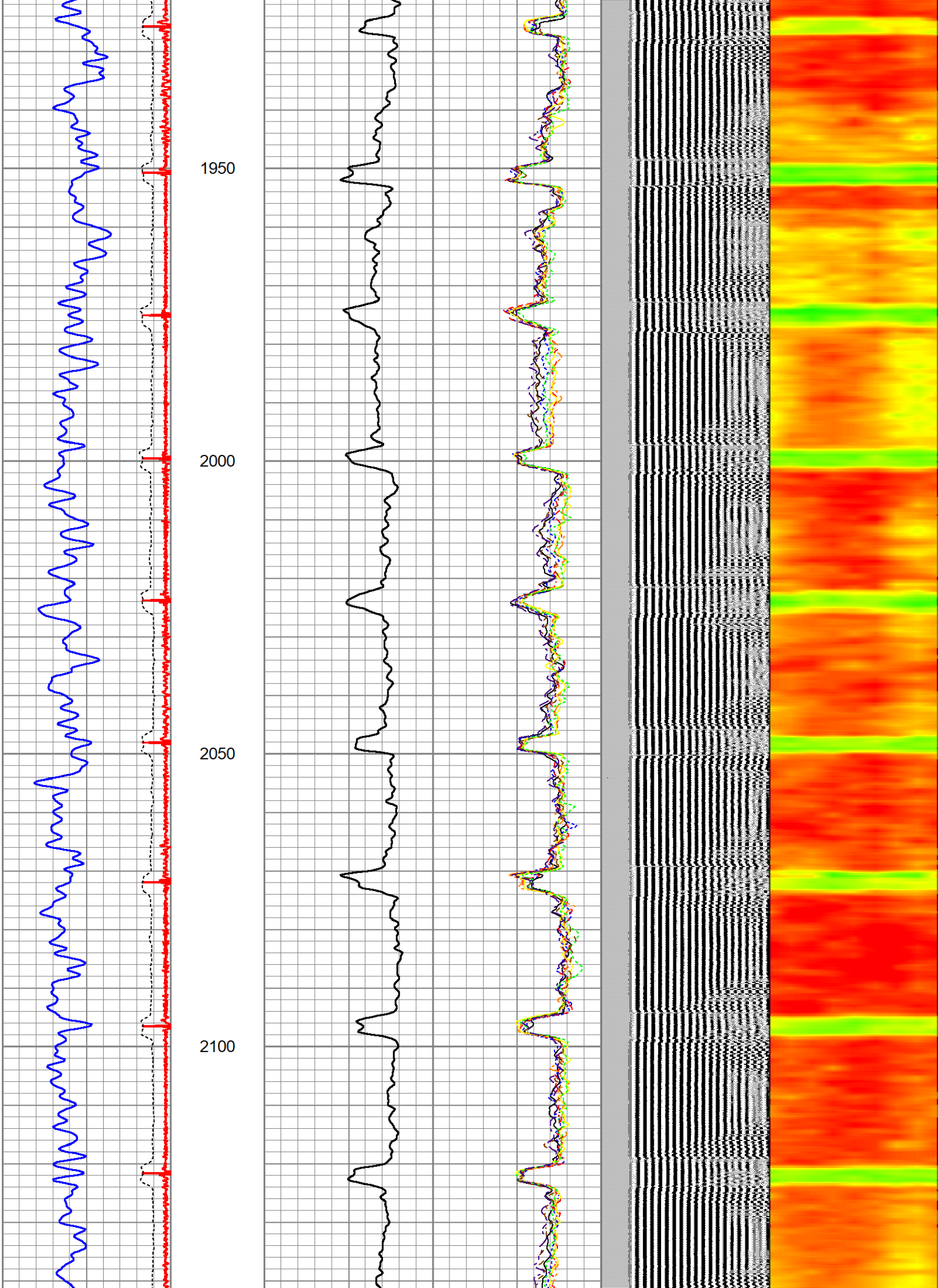
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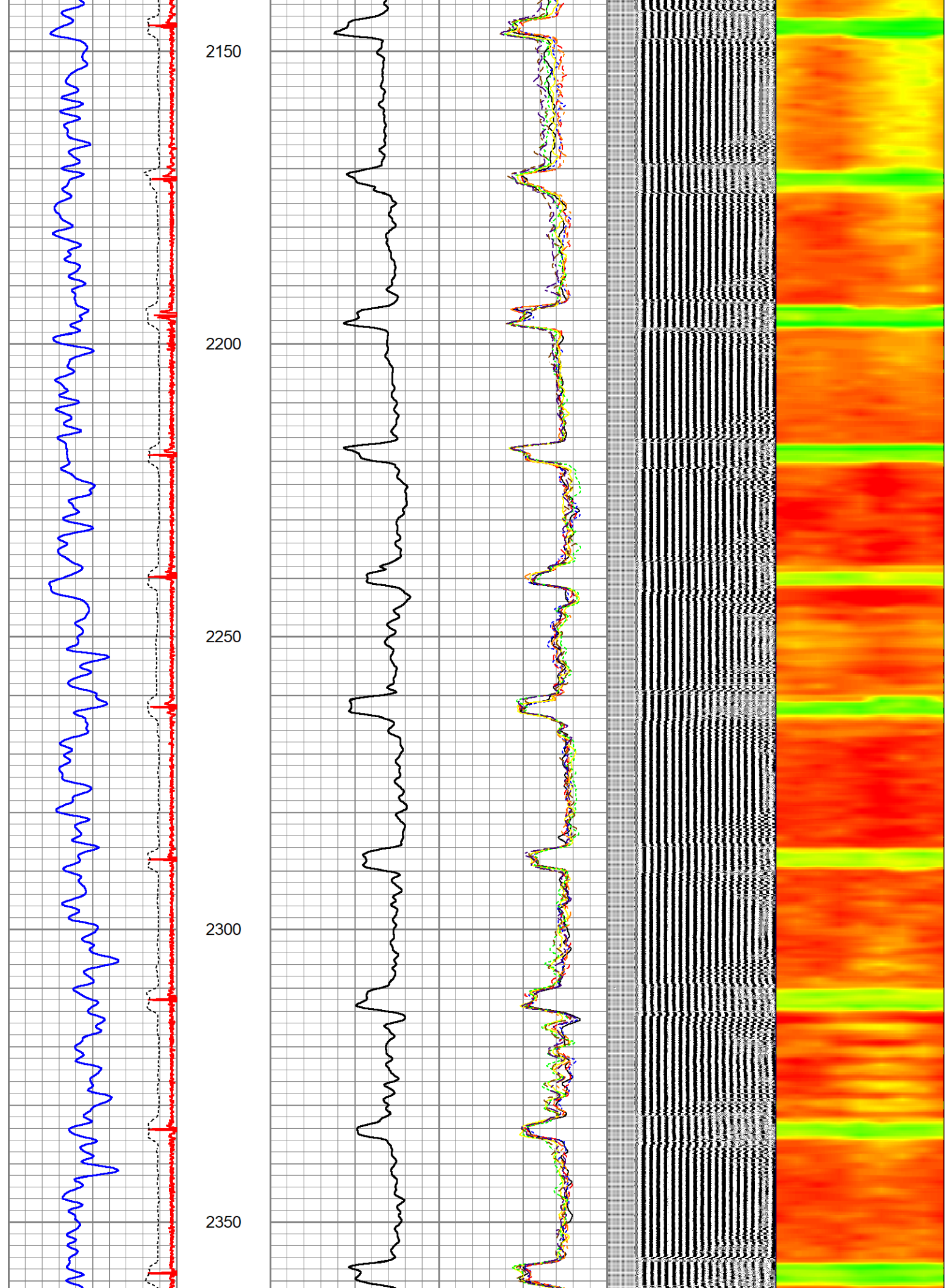
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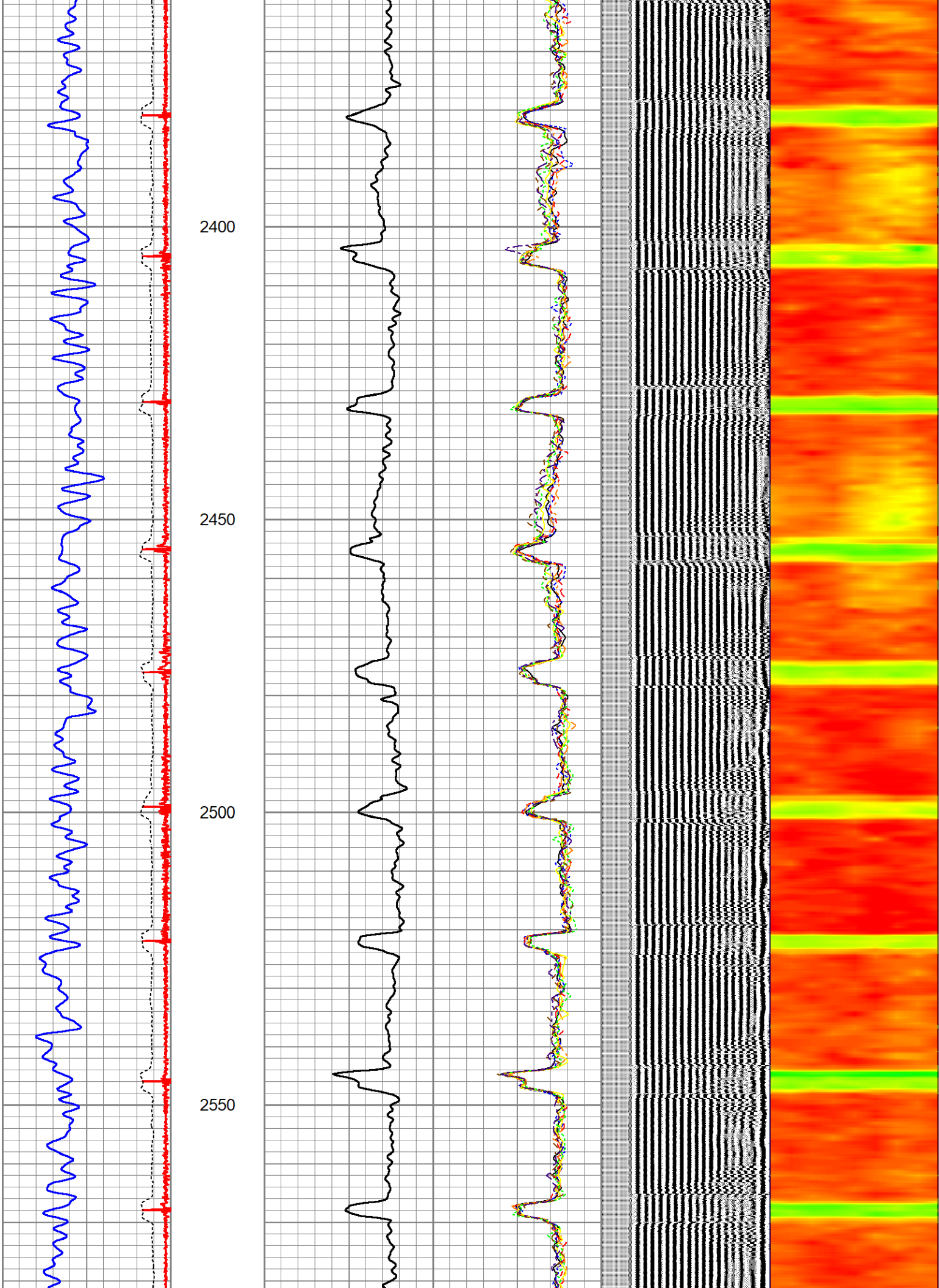
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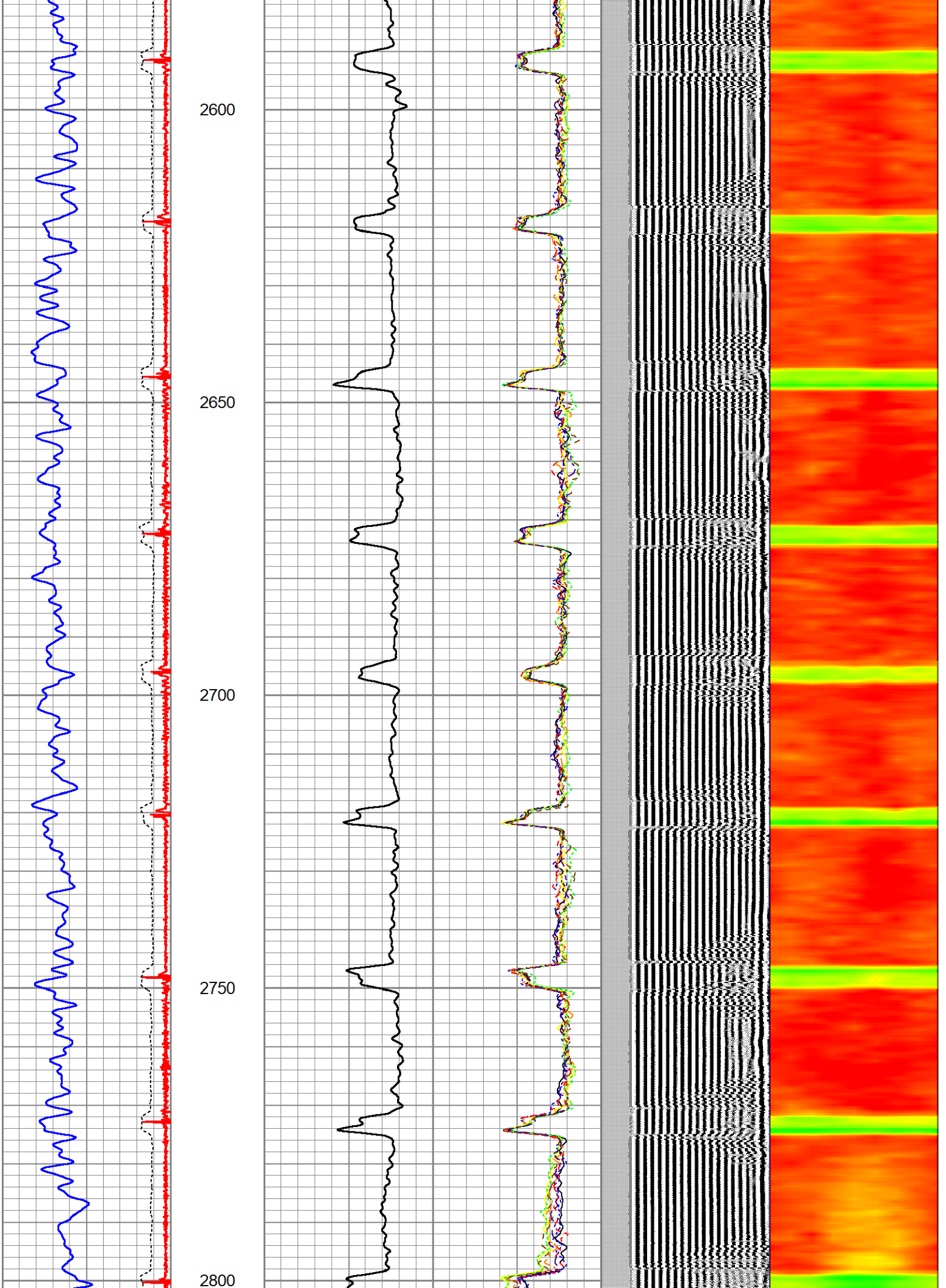
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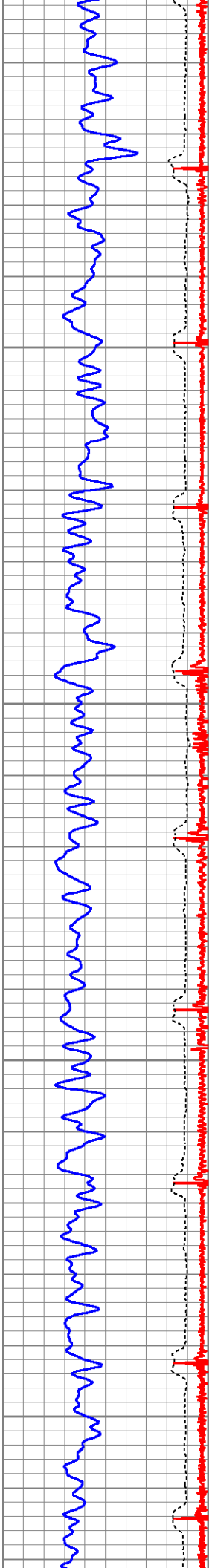










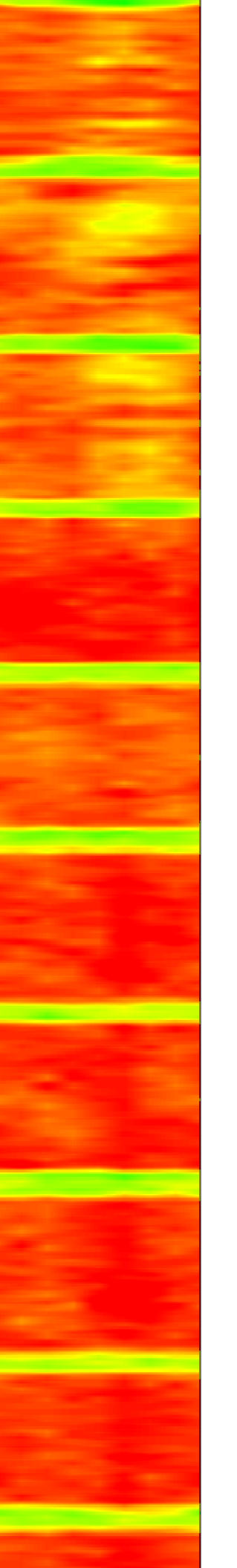
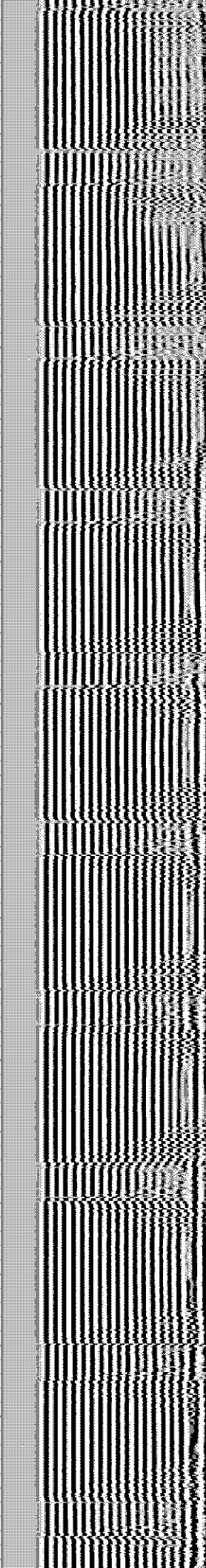
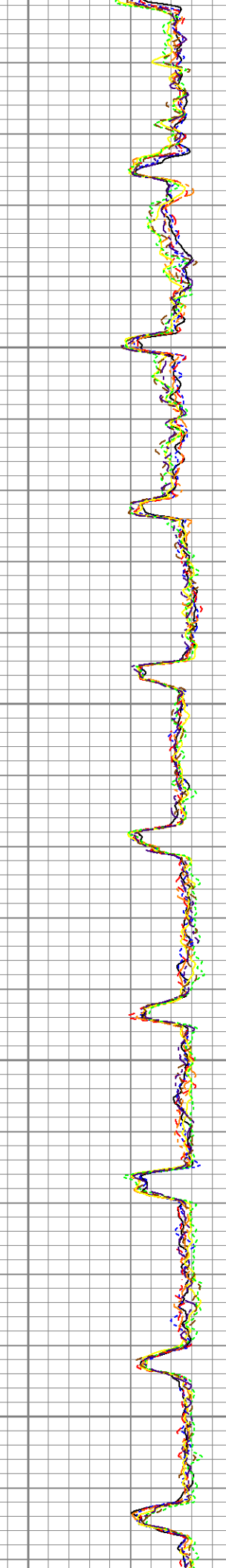
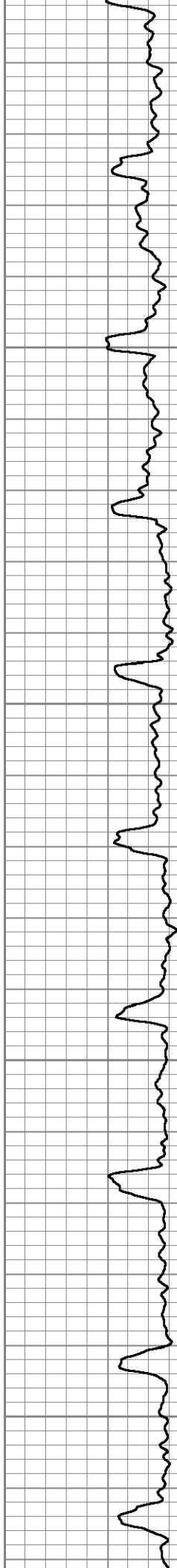


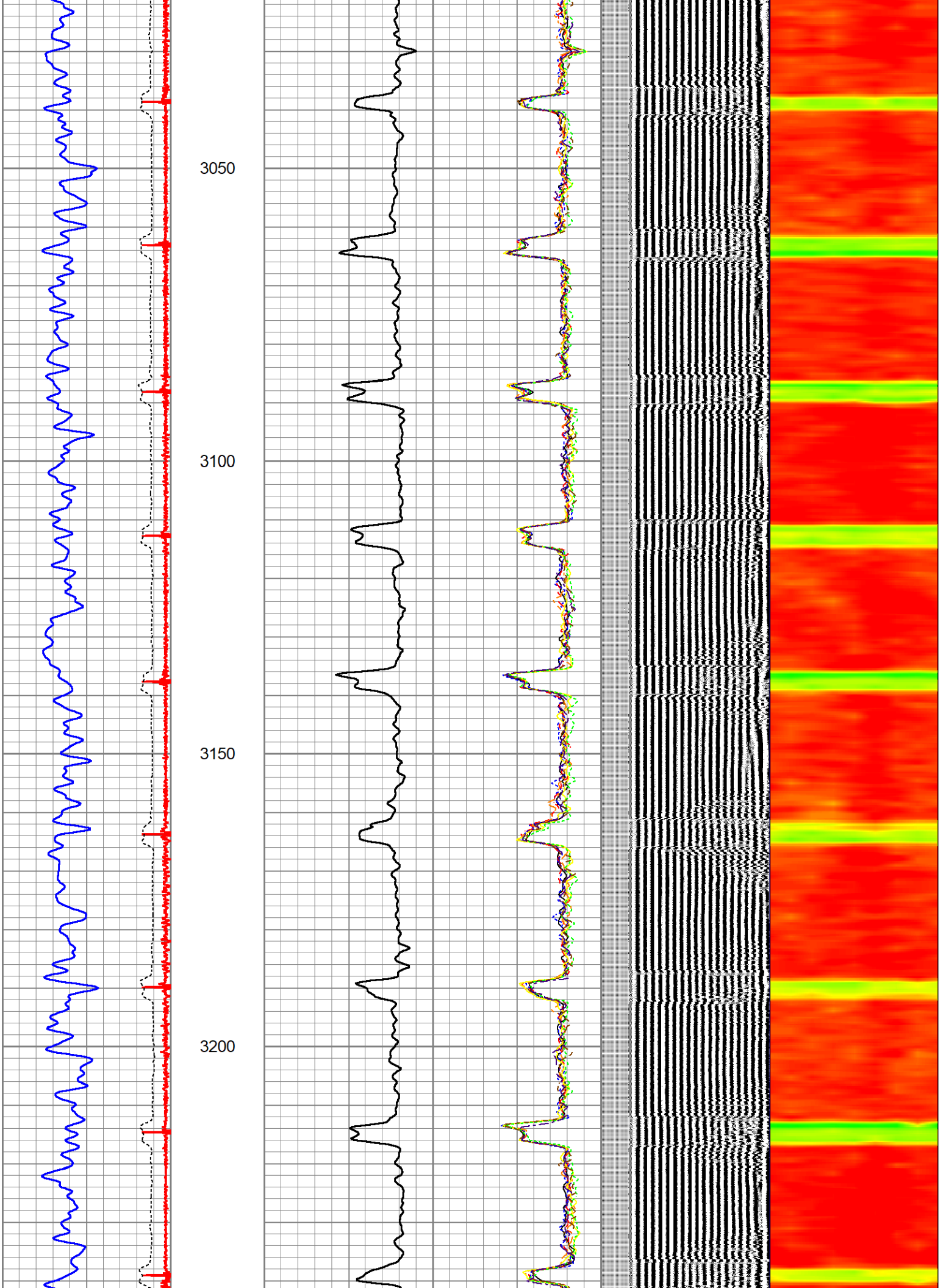
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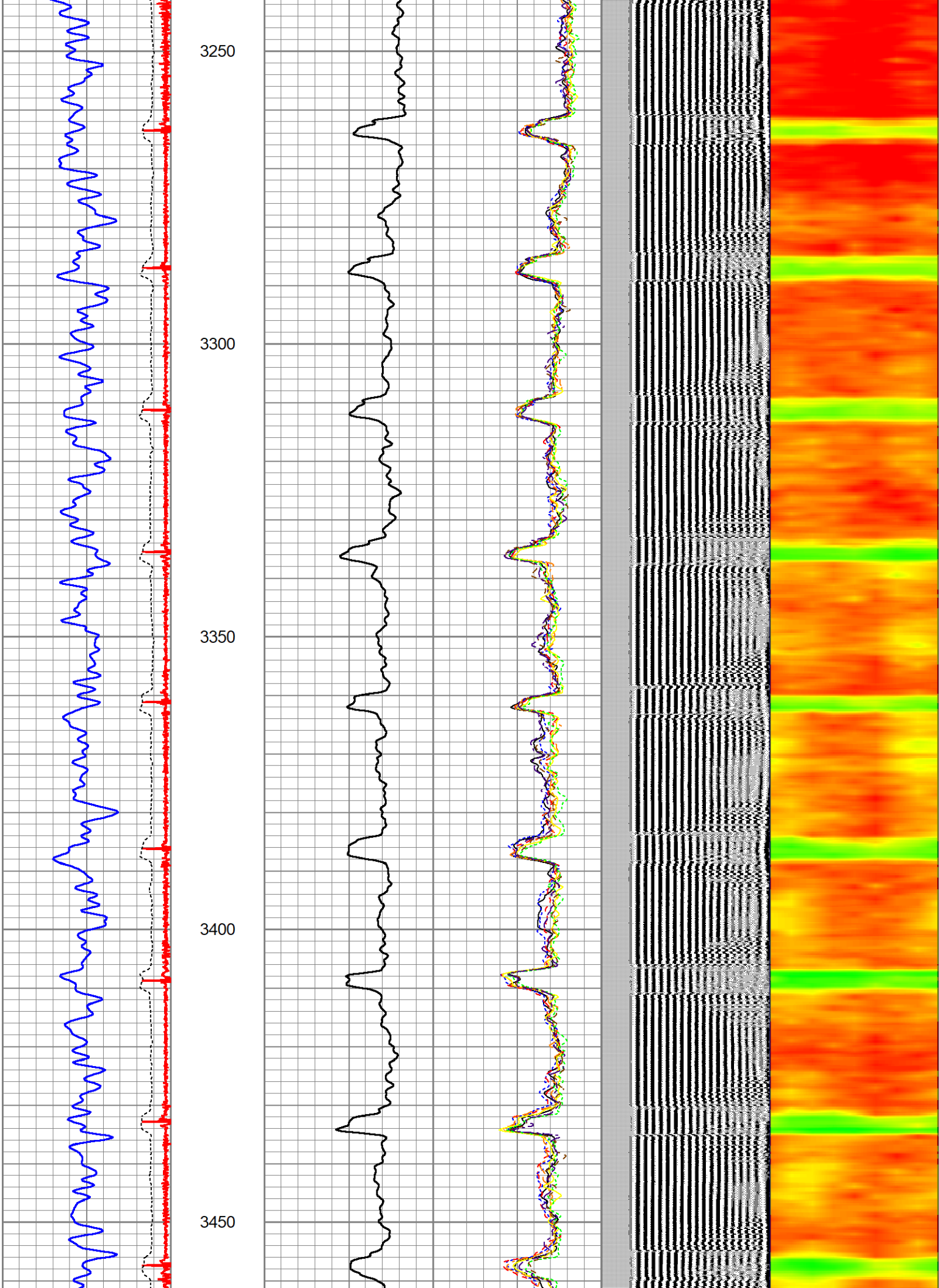
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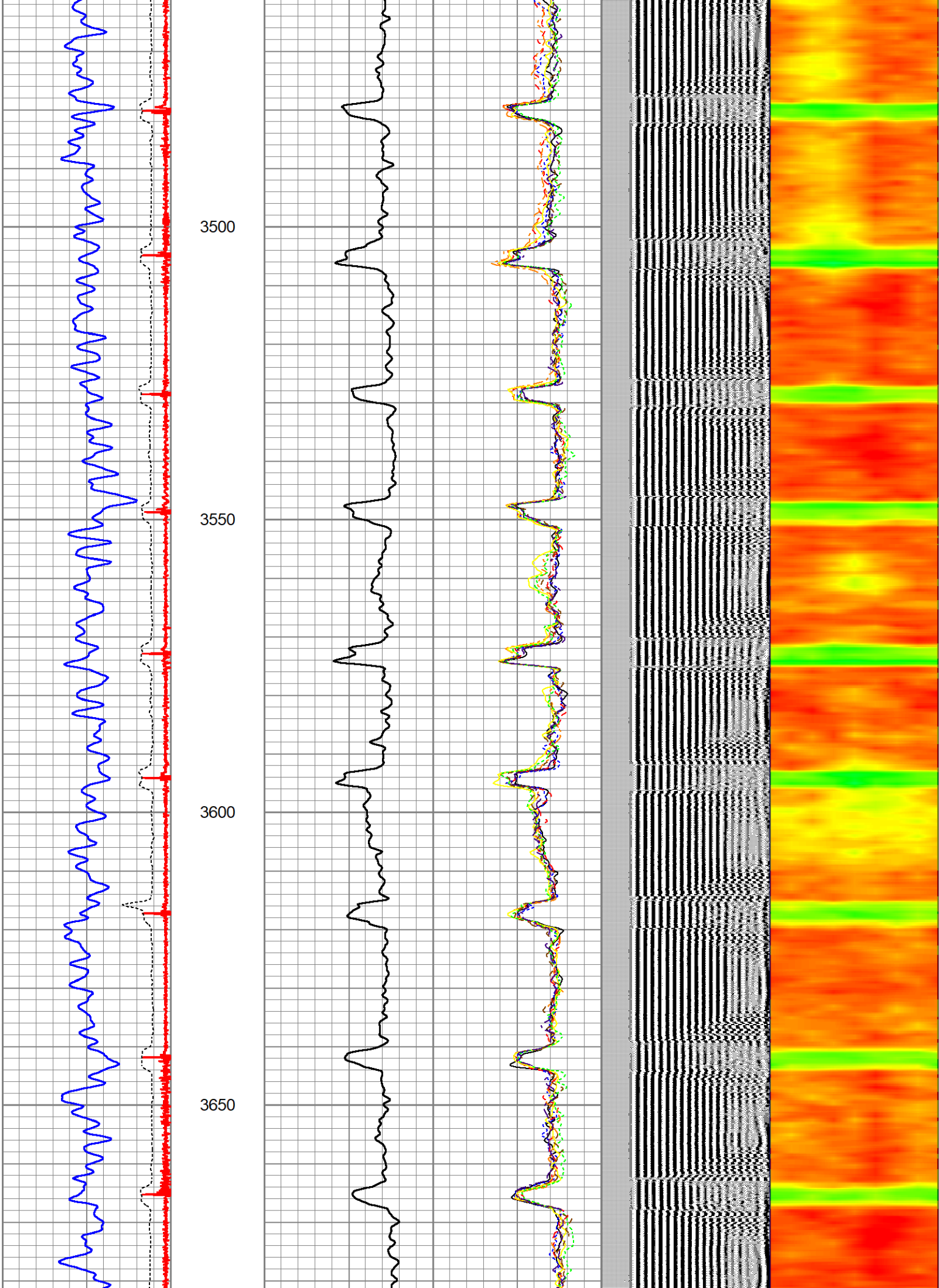
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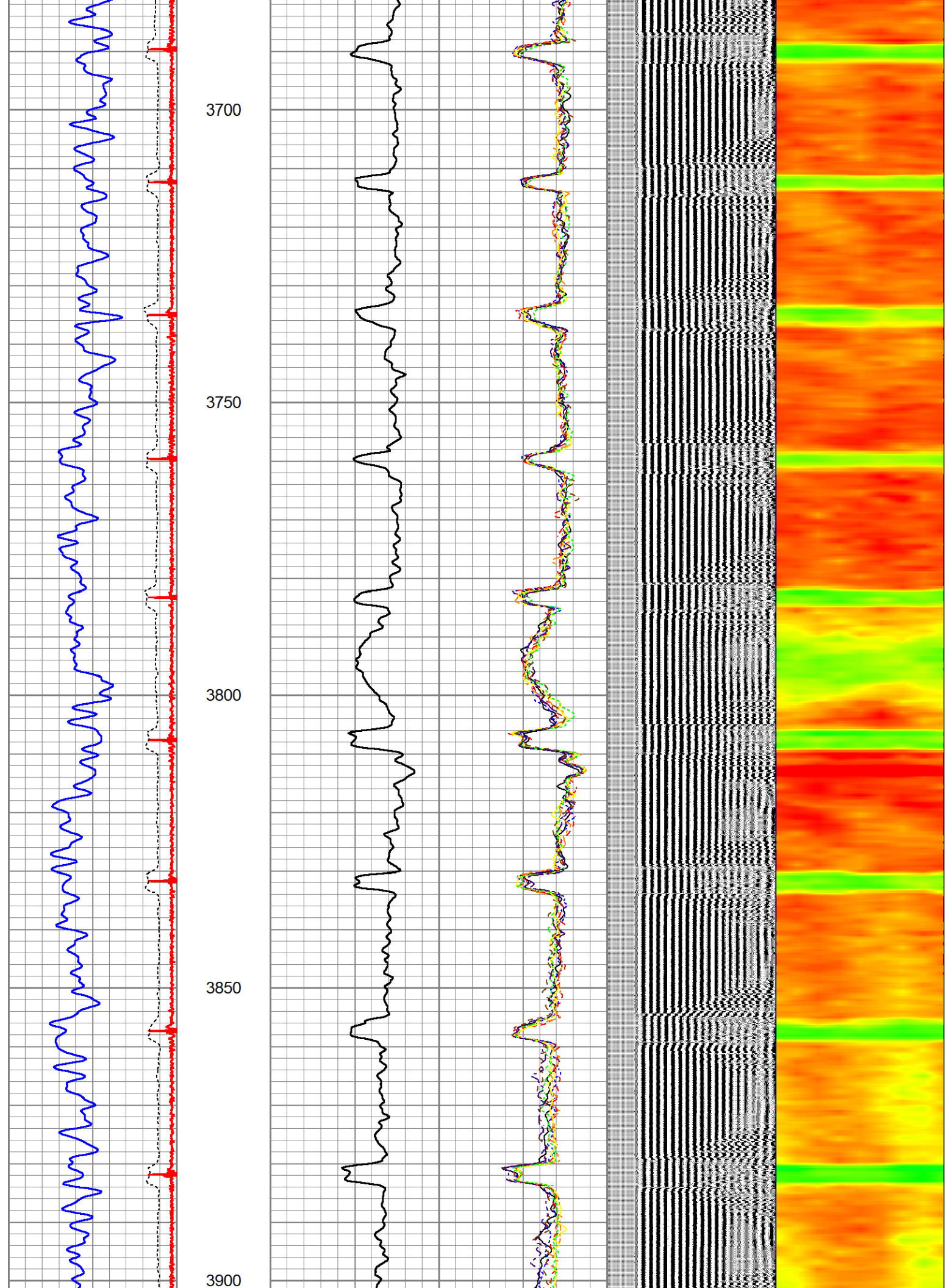
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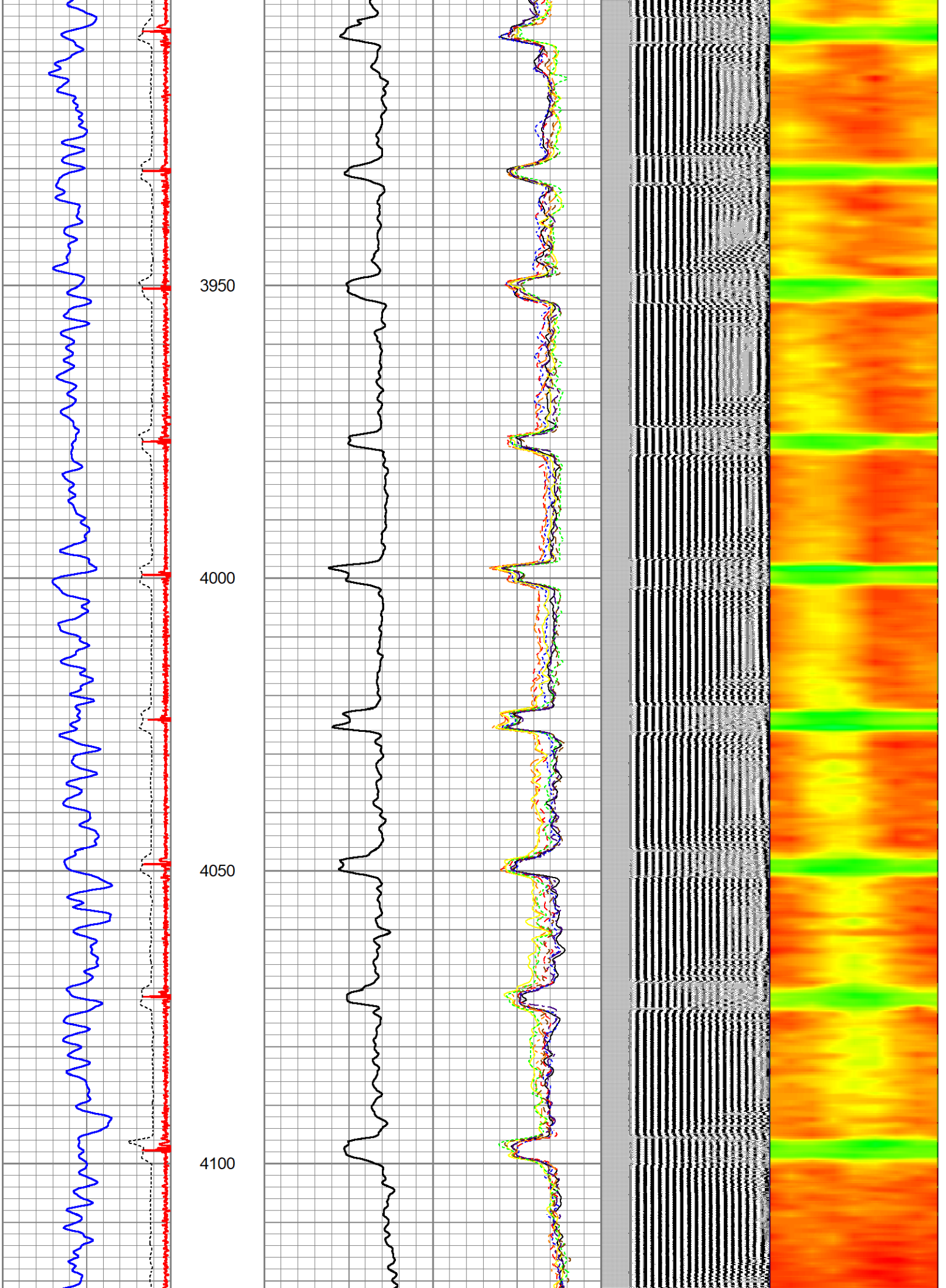


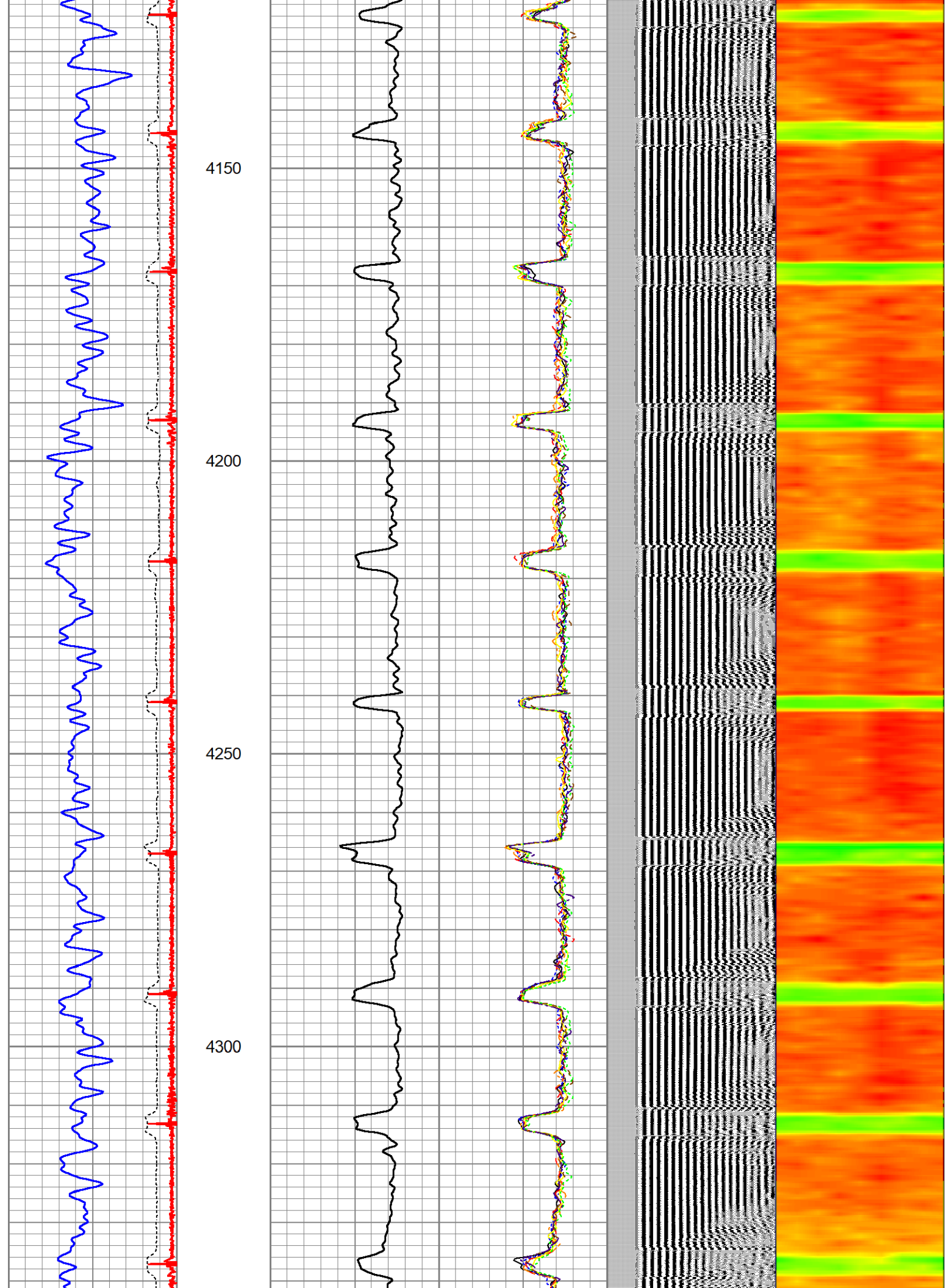


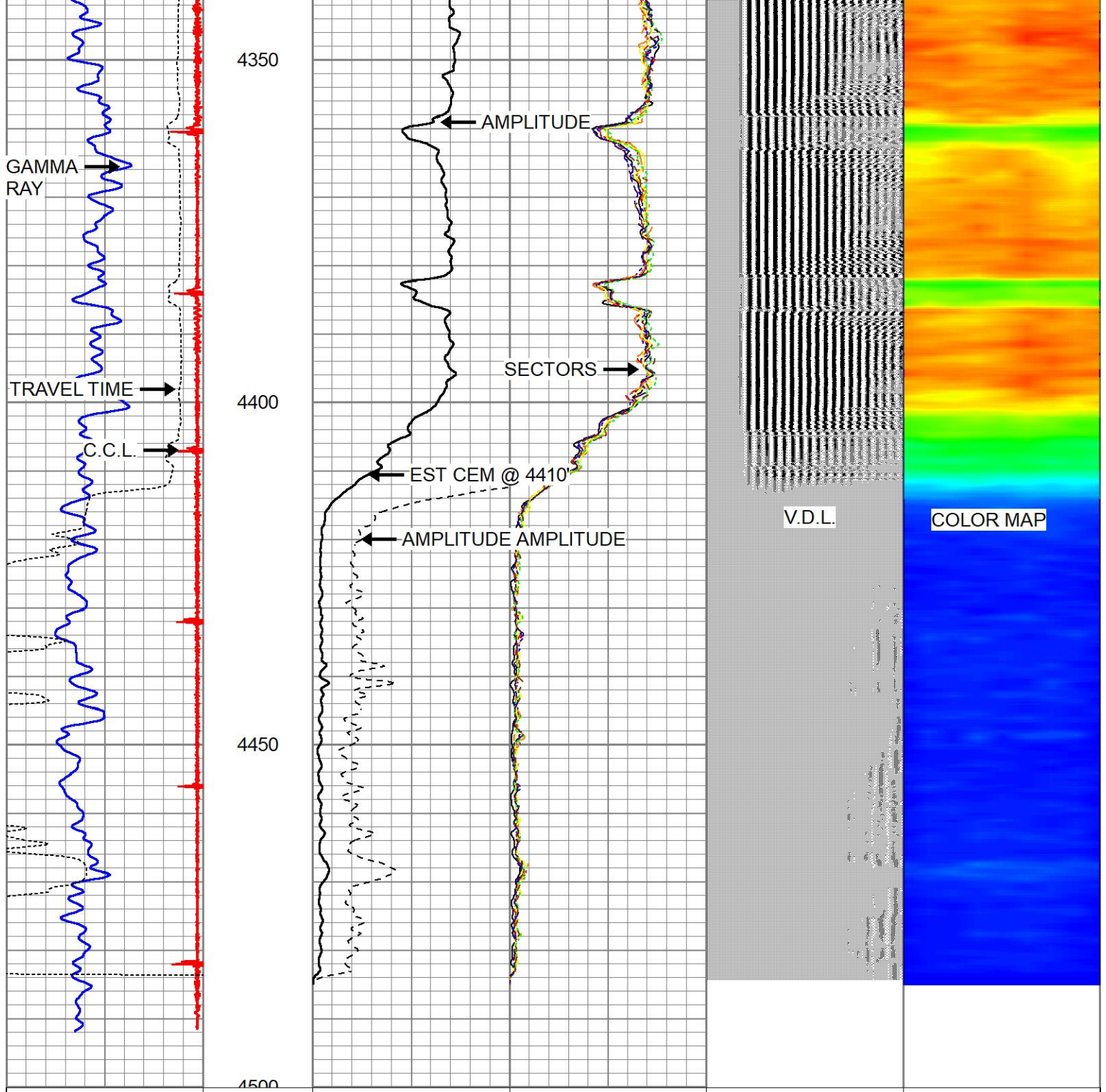












50	CCL	-1.5	0	AMP (mV)	100	0	AMPS1	100	200	VDL (usec)	1200	1	RADIAL MAP	8
0	GR (GAPI)	150	0	AMPLIFIED AMP3	0	0	AMPS2	100						
340	TT3 (usec)	243	0	(mV)	20	0	AMPS3	100						
						0	AMPS4	100						
						0	AMPS5	100						
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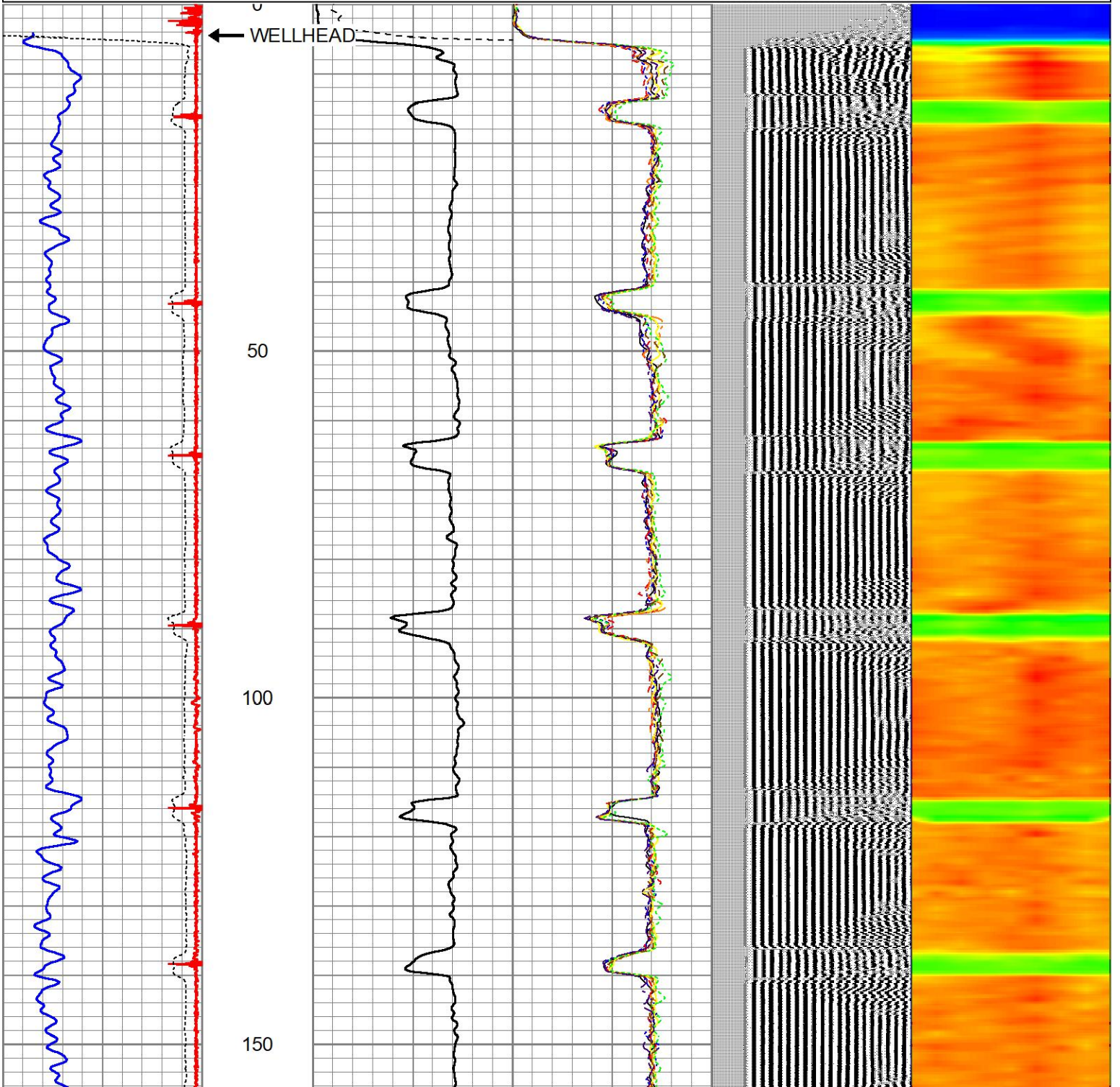


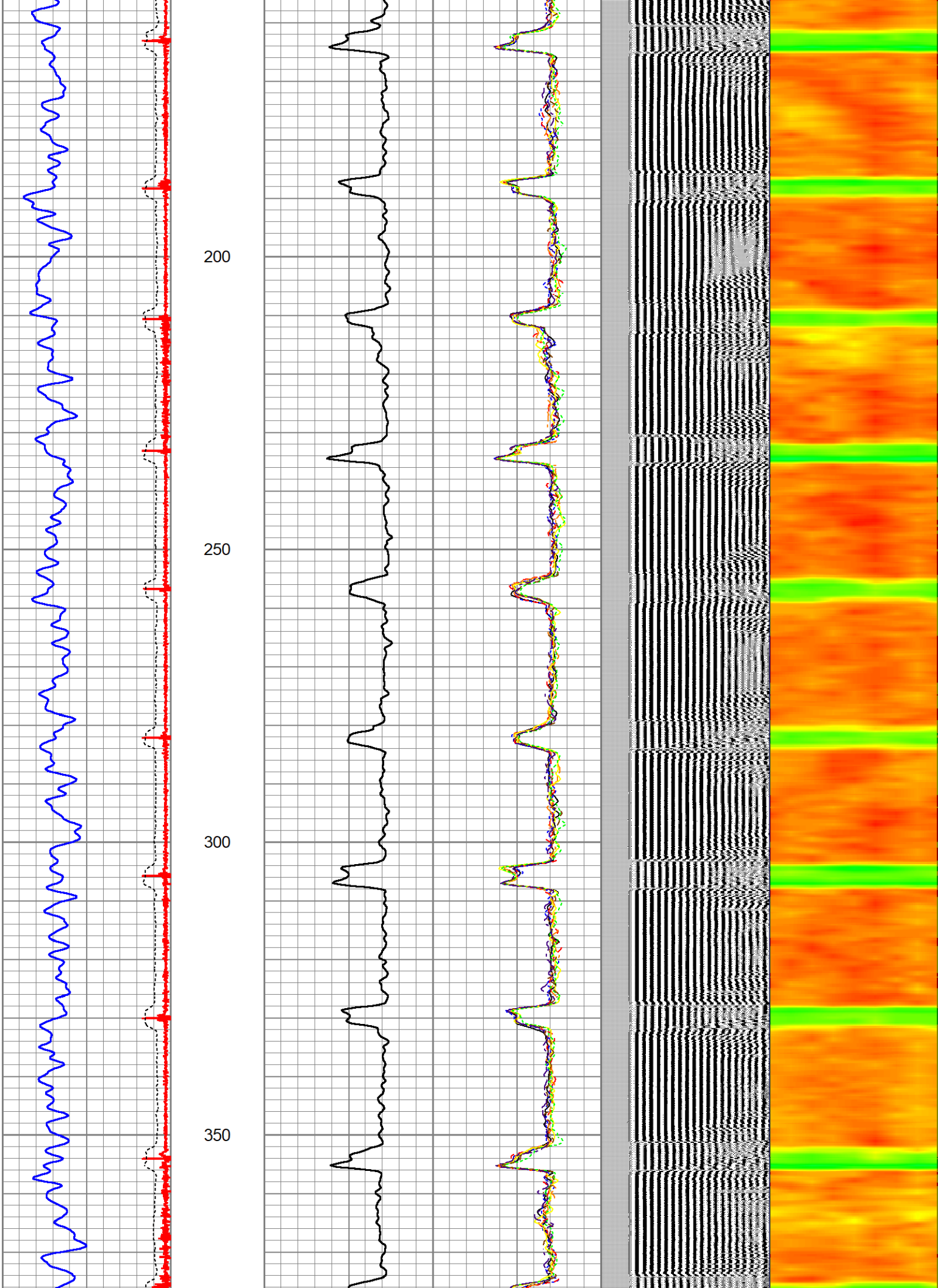
MAIN PASS ( 2500 PSI.)

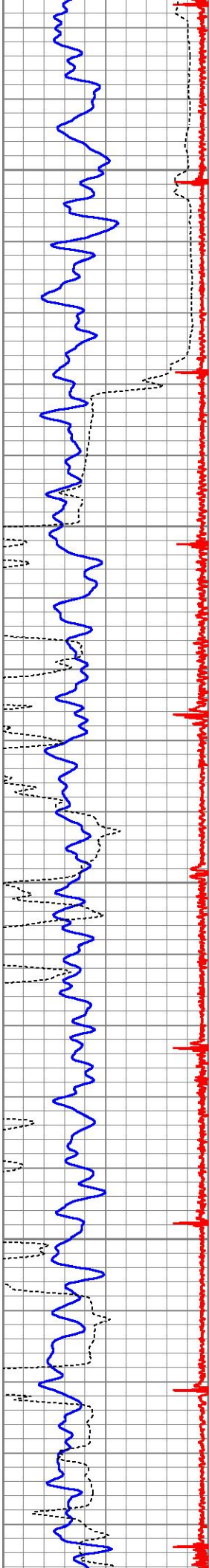
# COMPLETION SOLUTIONS

Database File wolf uprr 32-31.db  
 Dataset Pathname pass6  
 Presentation Format zwag (2)  
 Dataset Creation Mon Jun 17 10:15:28 2024  
 Charted by Depth in Feet scaled 1:240

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0	GR (GAPI)	150	AMPLIFIED AMP3			0	AMPS2	100						
340	TT3 (usec)	243	0	(mV)	20	0	AMPS3	100						
						0	AMPS4	100						
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						0	AMPS6	100						
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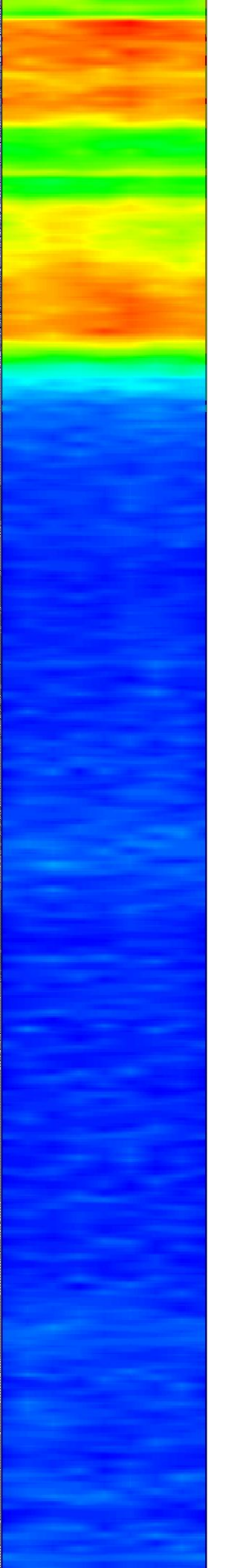
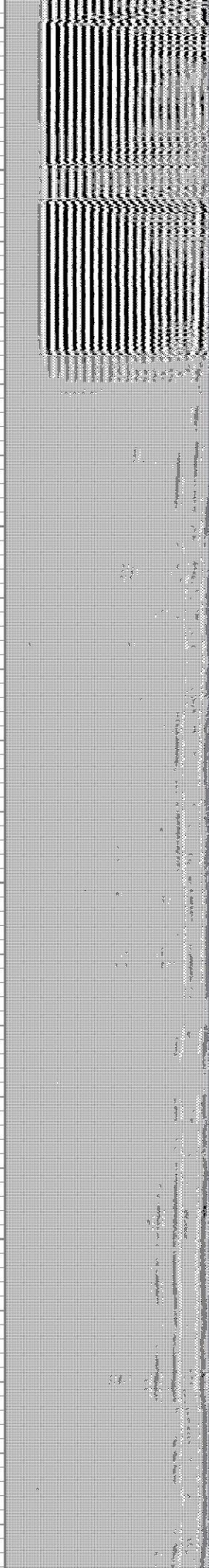
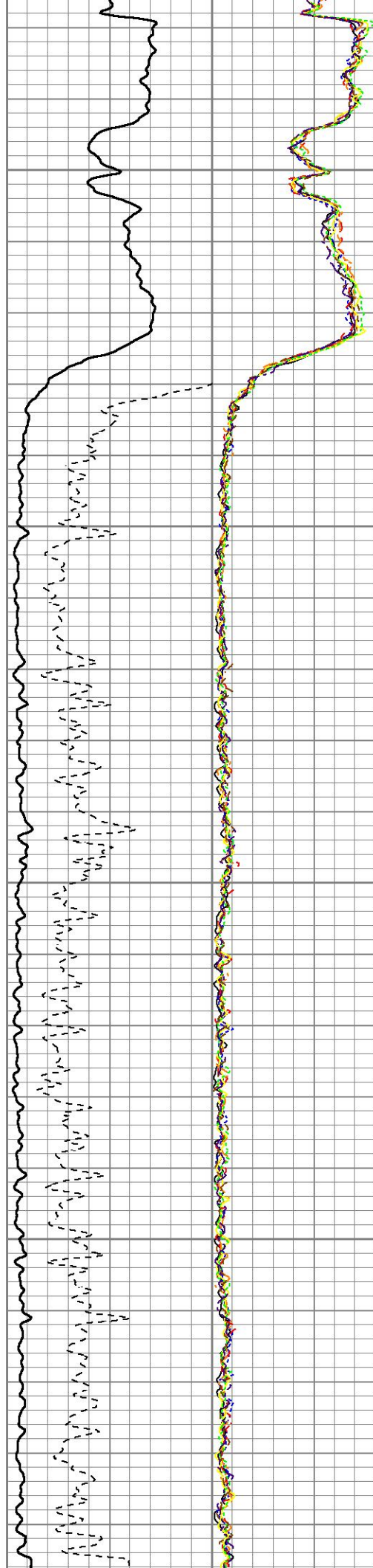


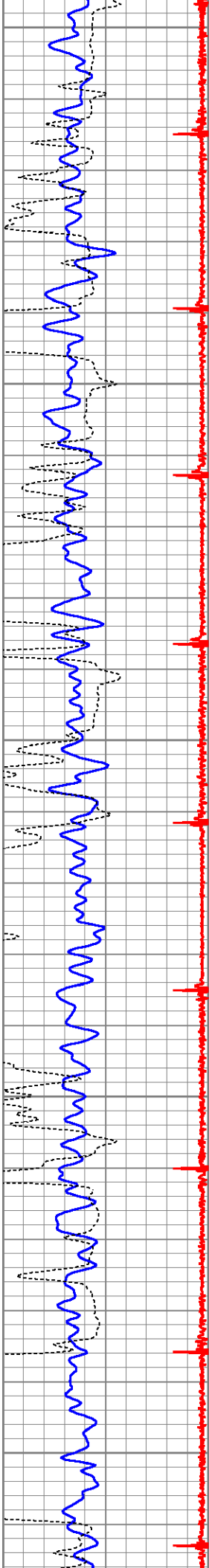
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450

500

550





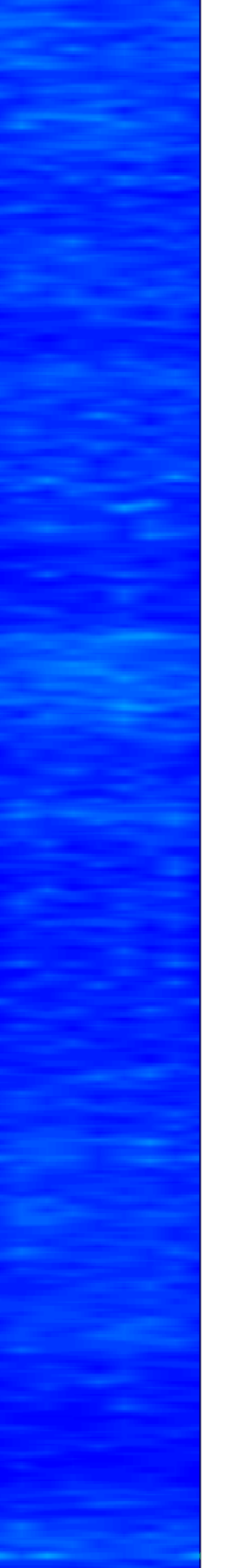
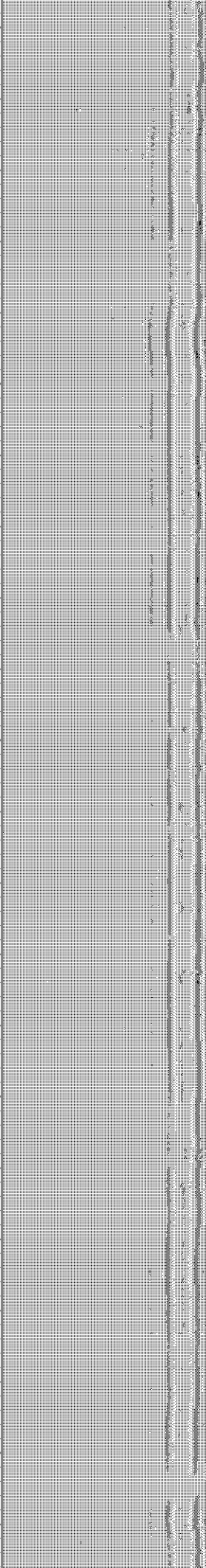
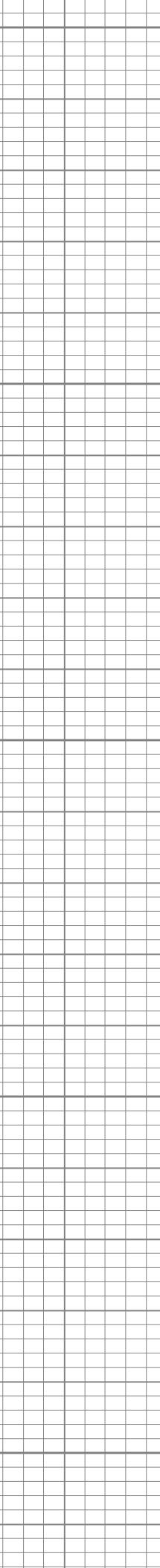
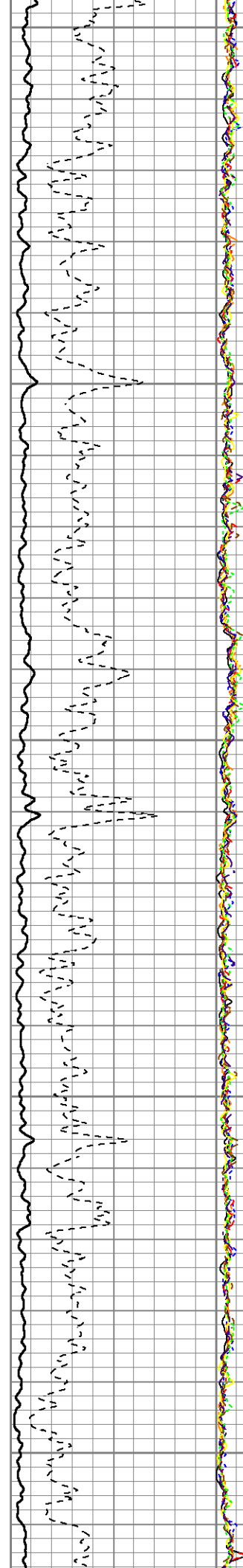
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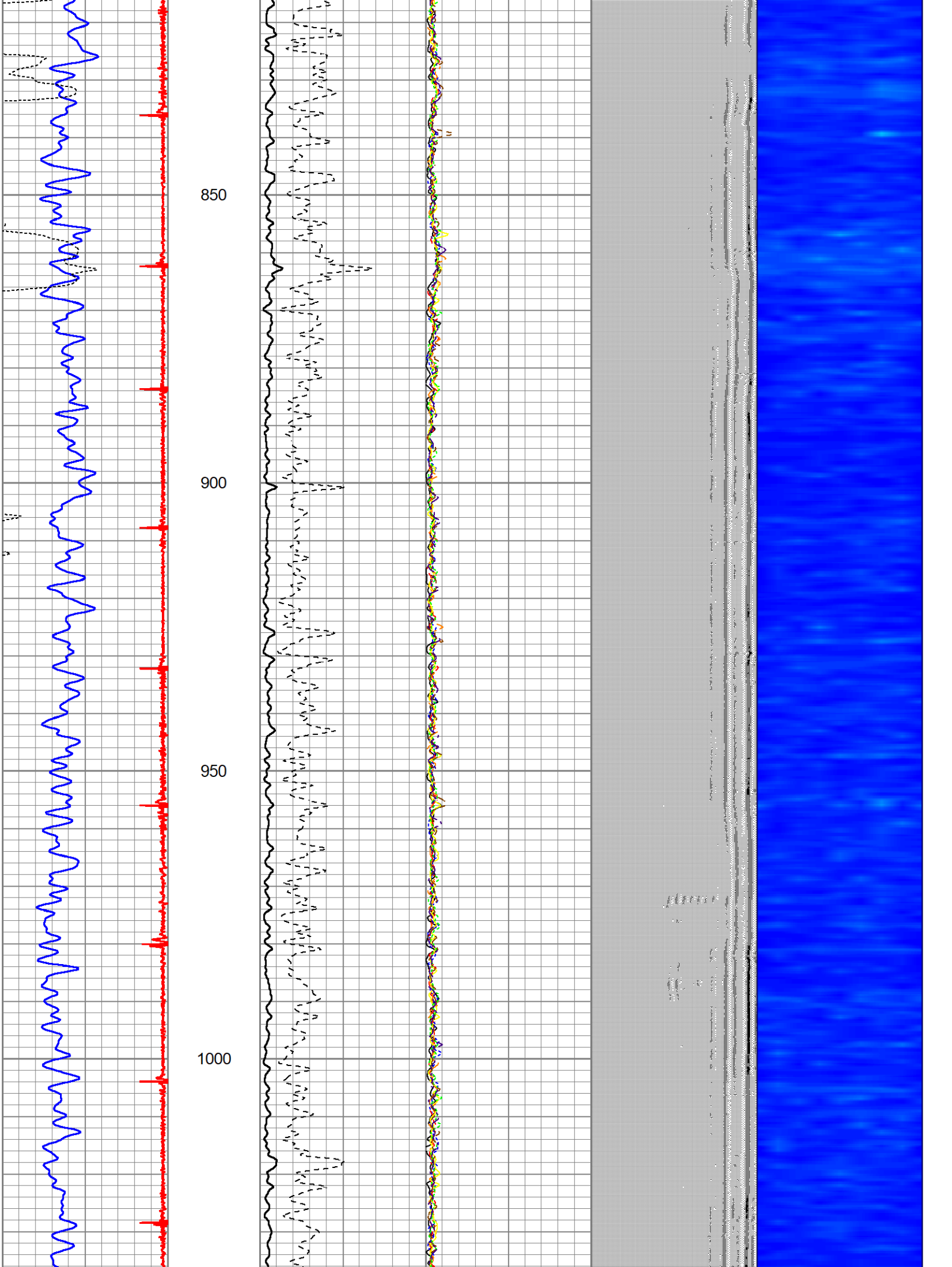
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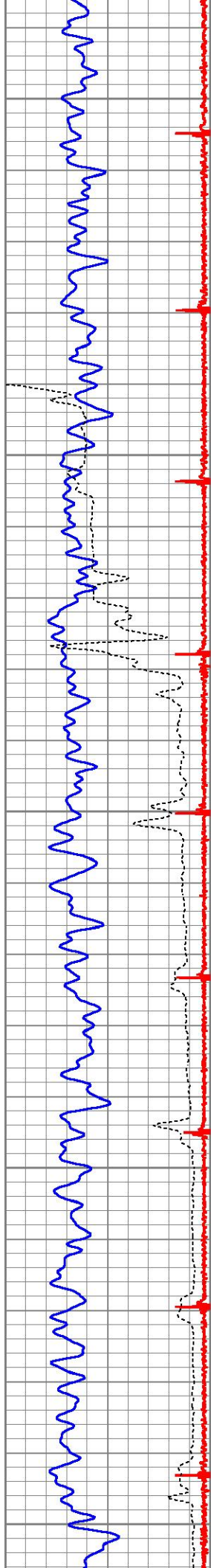
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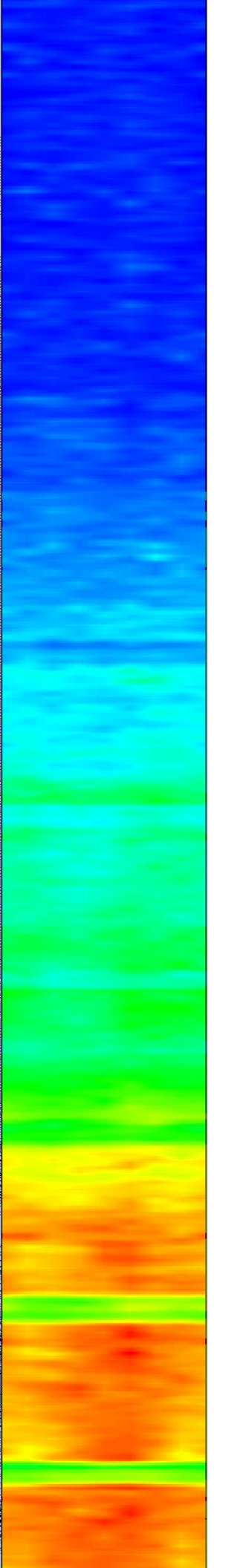
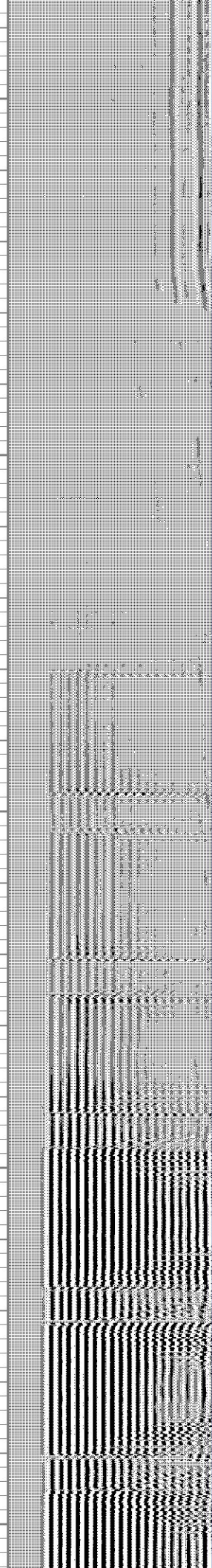
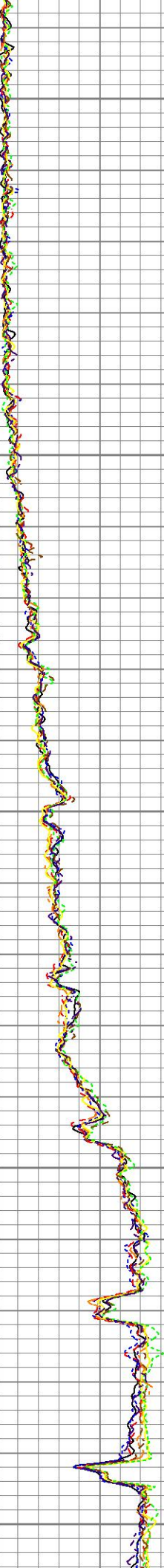
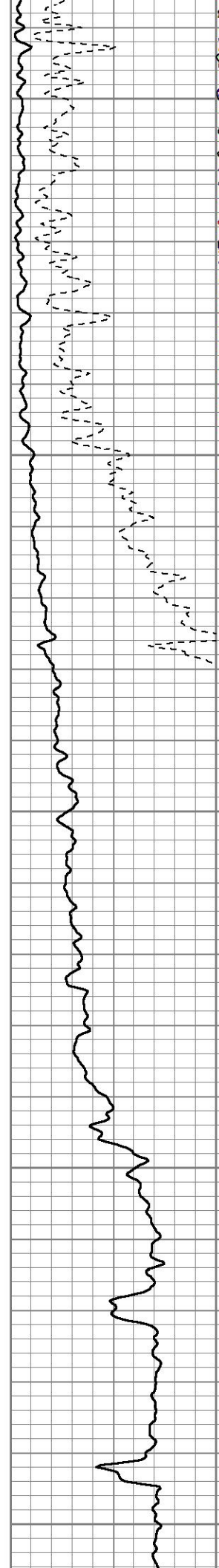
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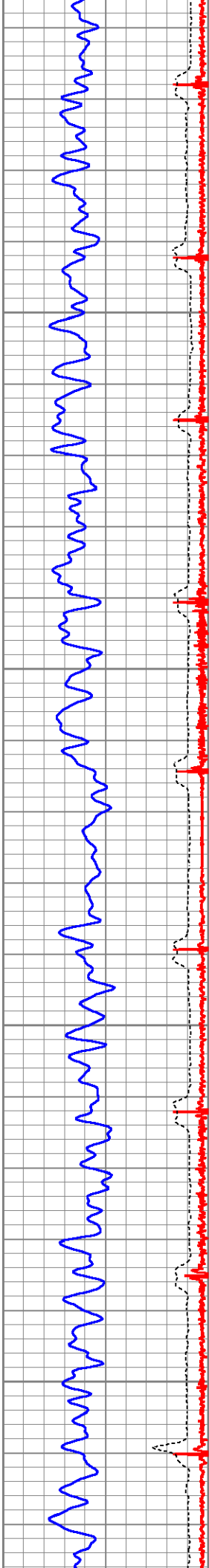






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1100  
1150  
1200  
1250



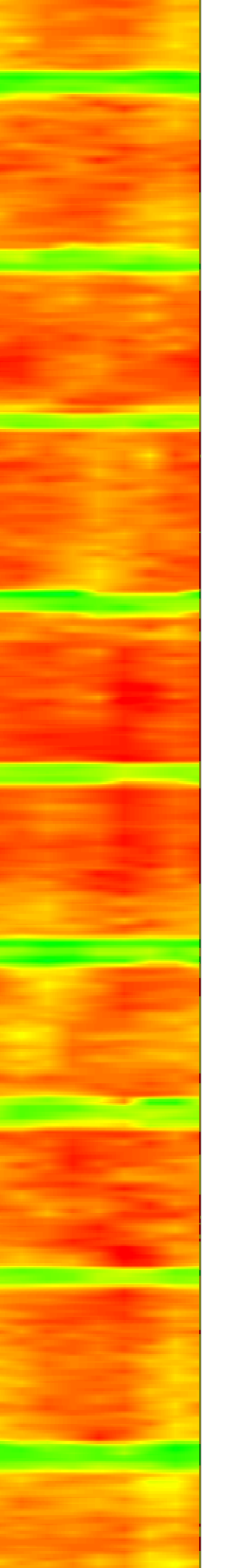
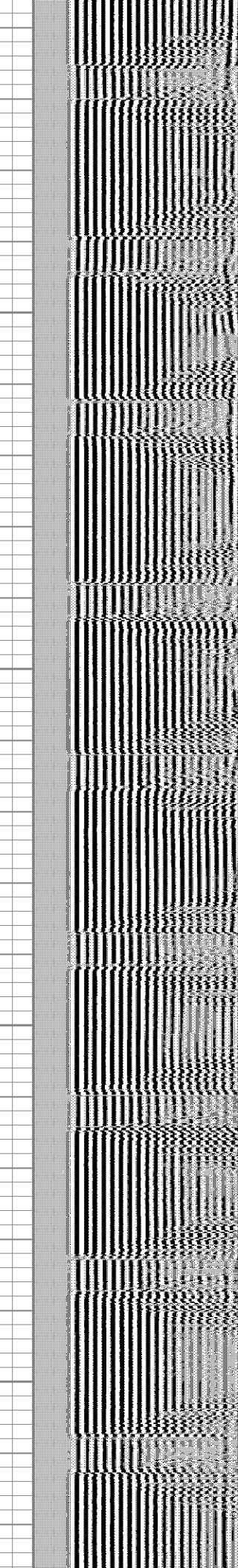
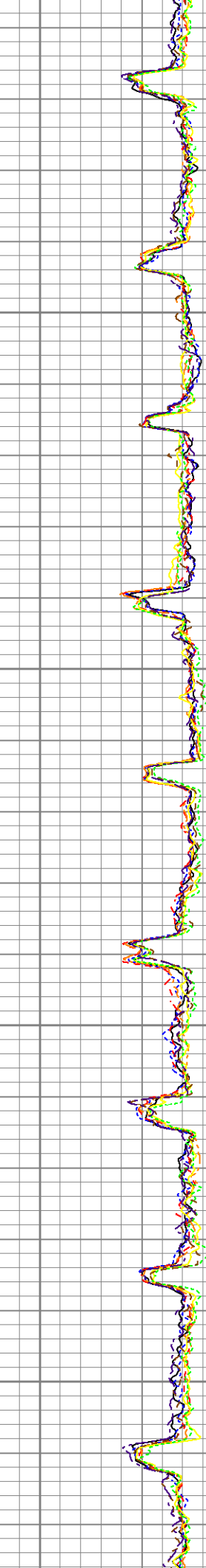
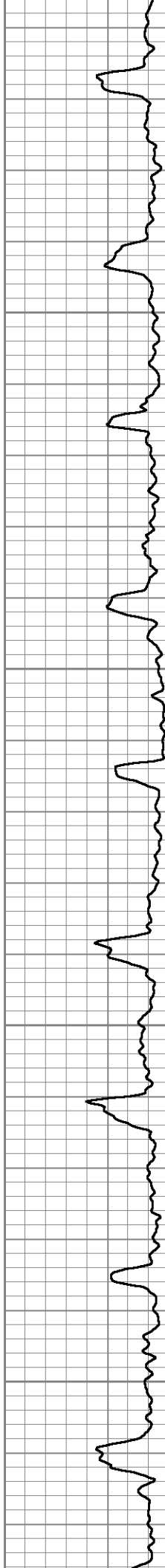


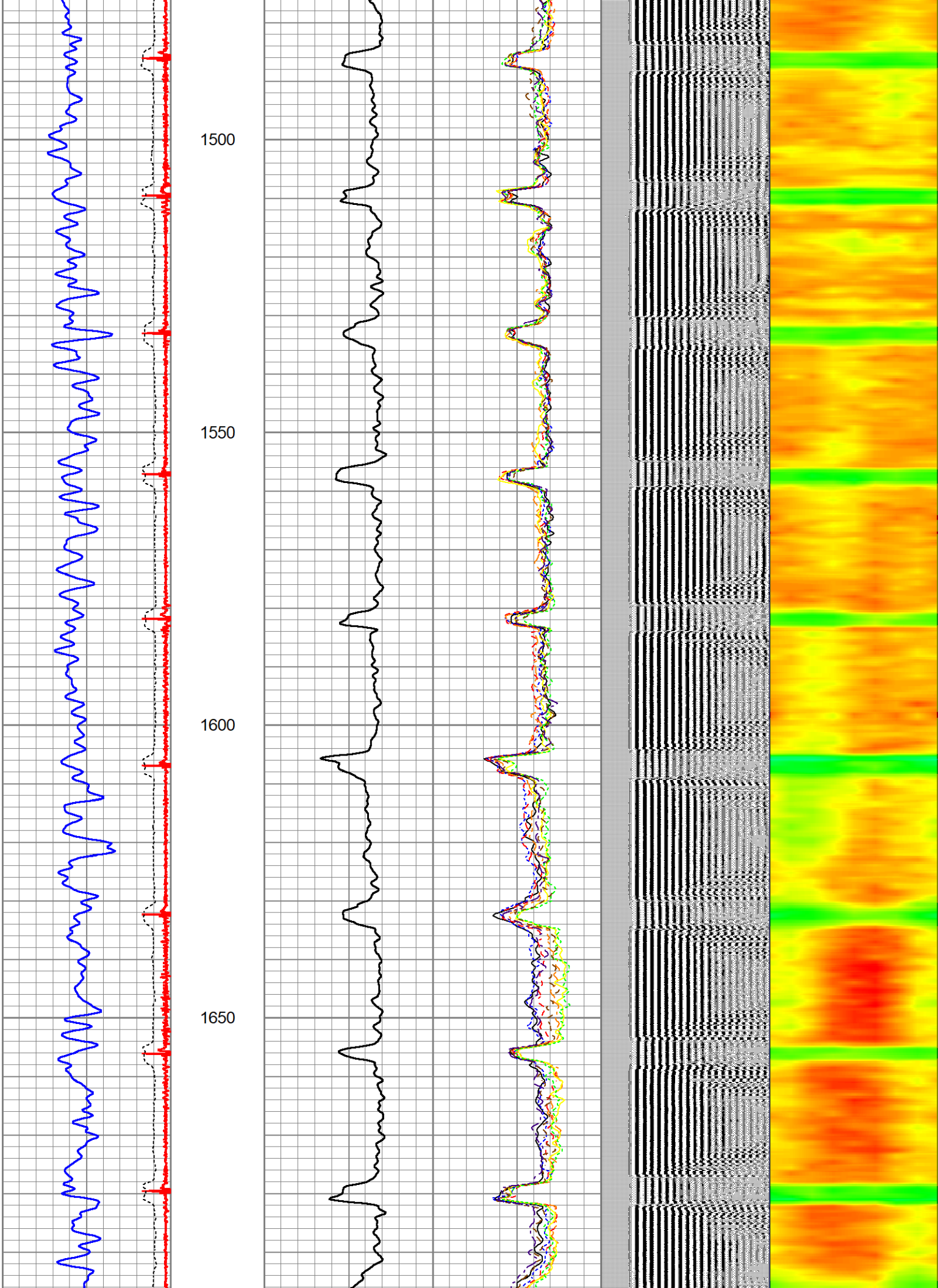
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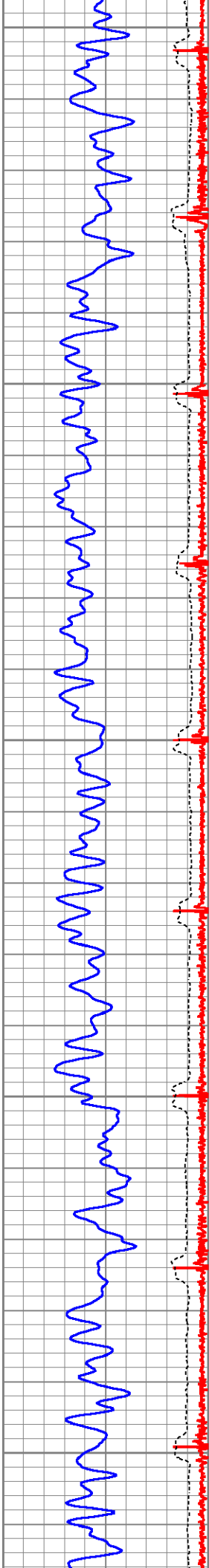
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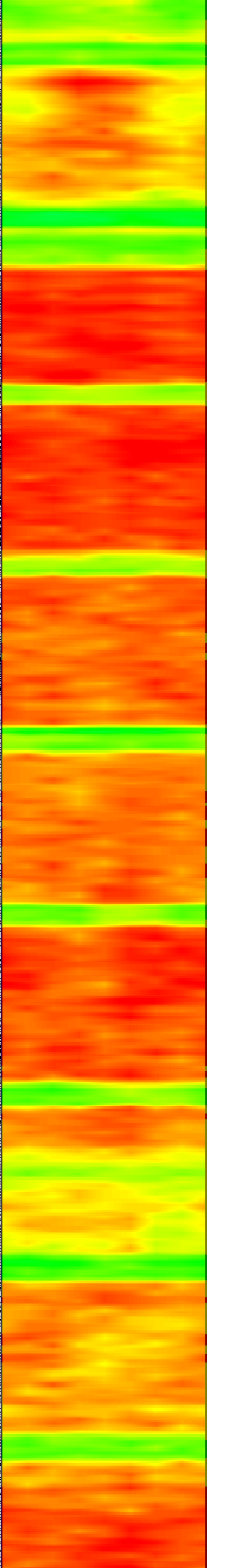
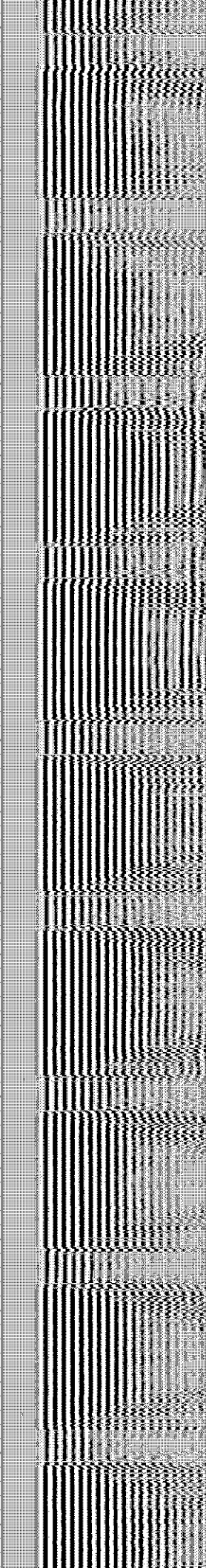
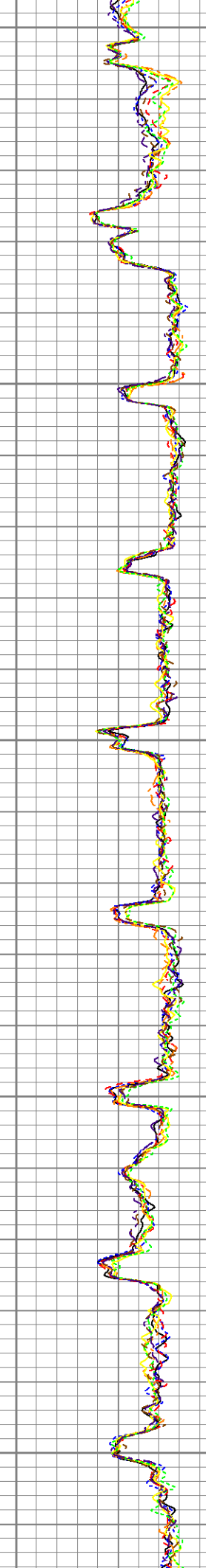
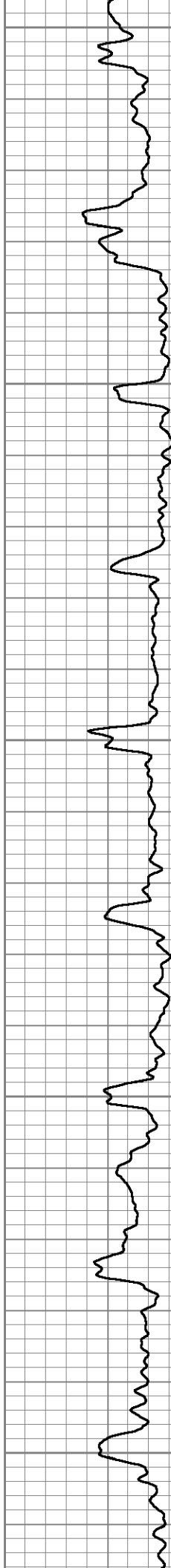
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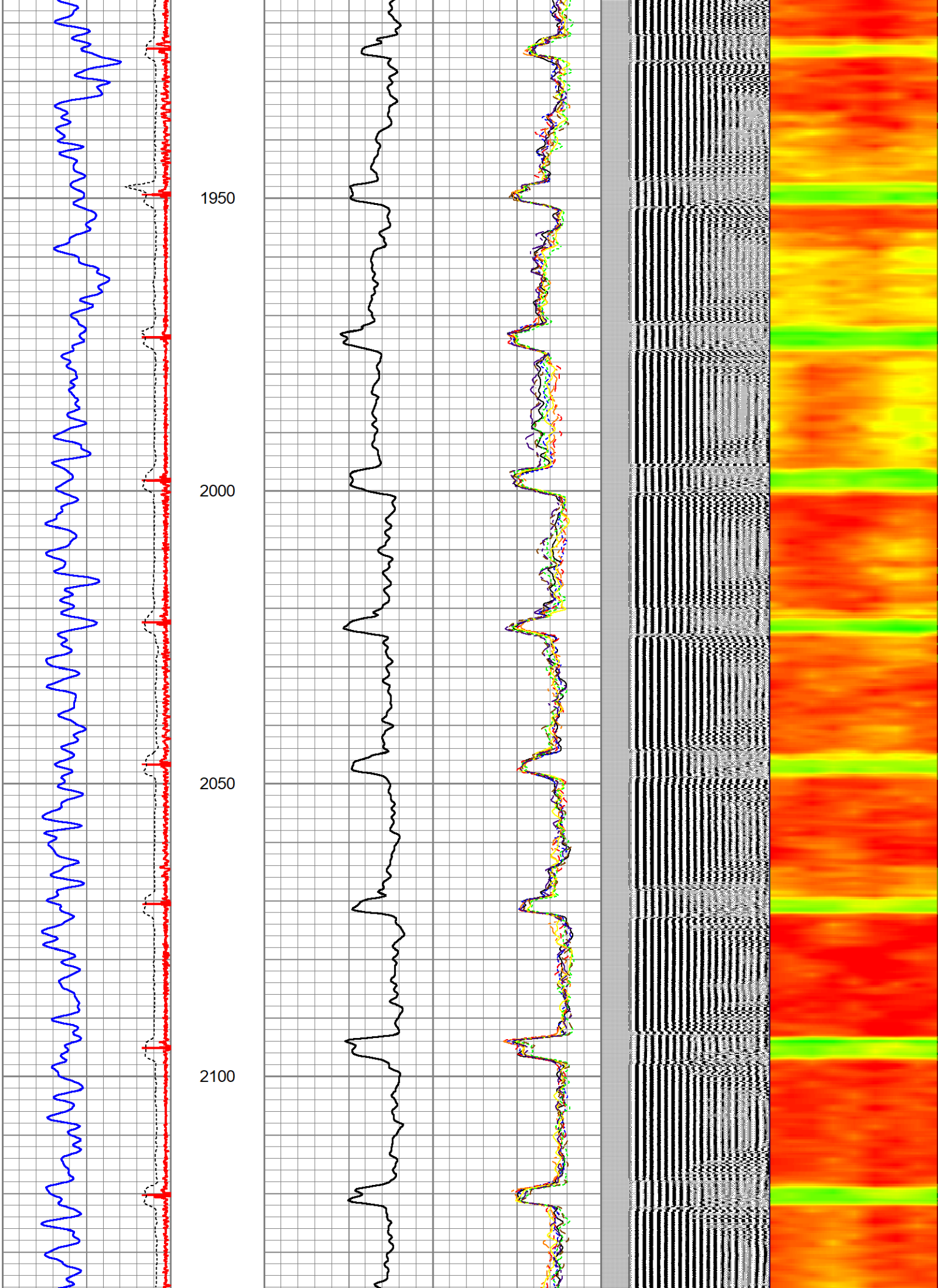


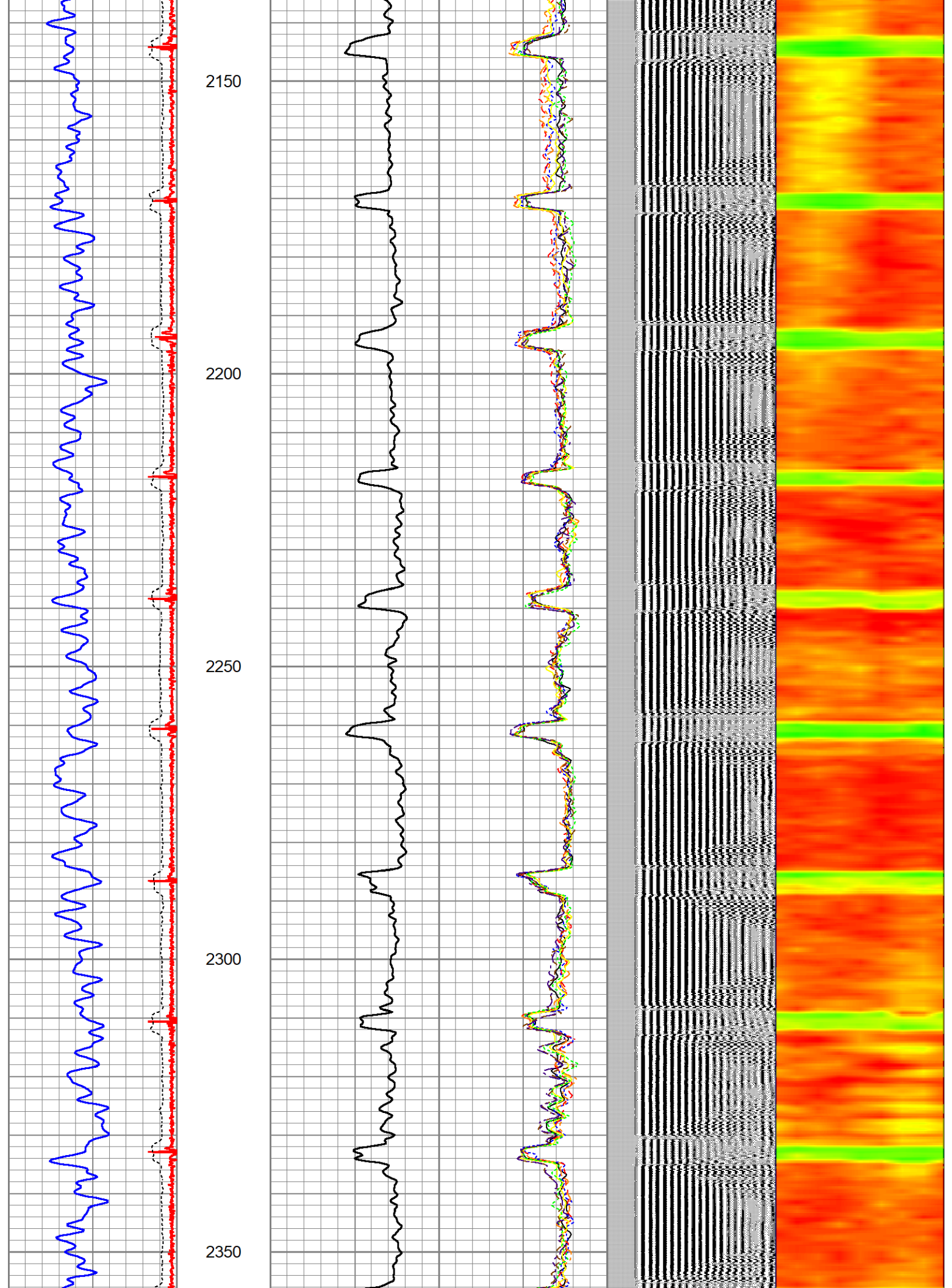


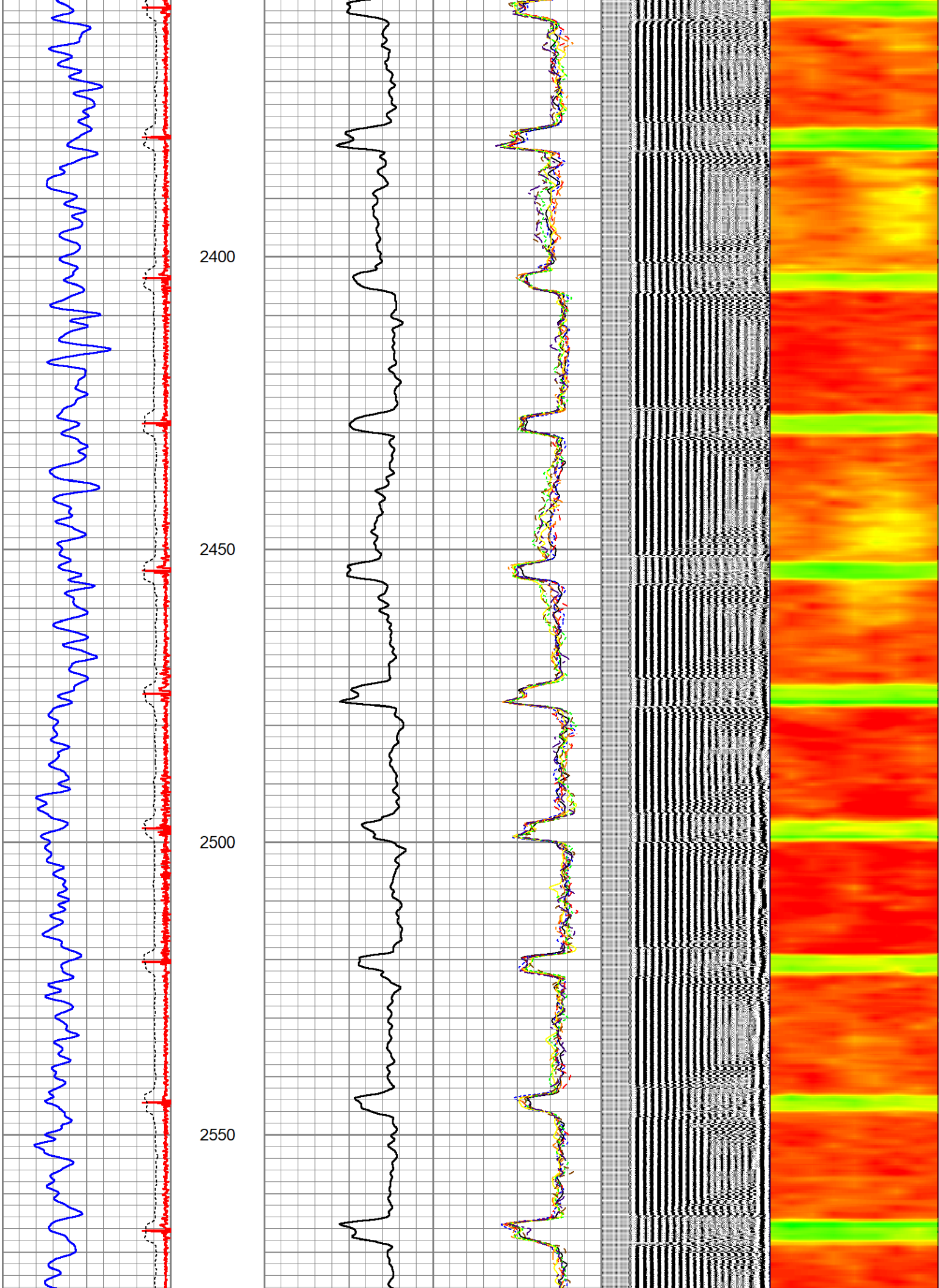


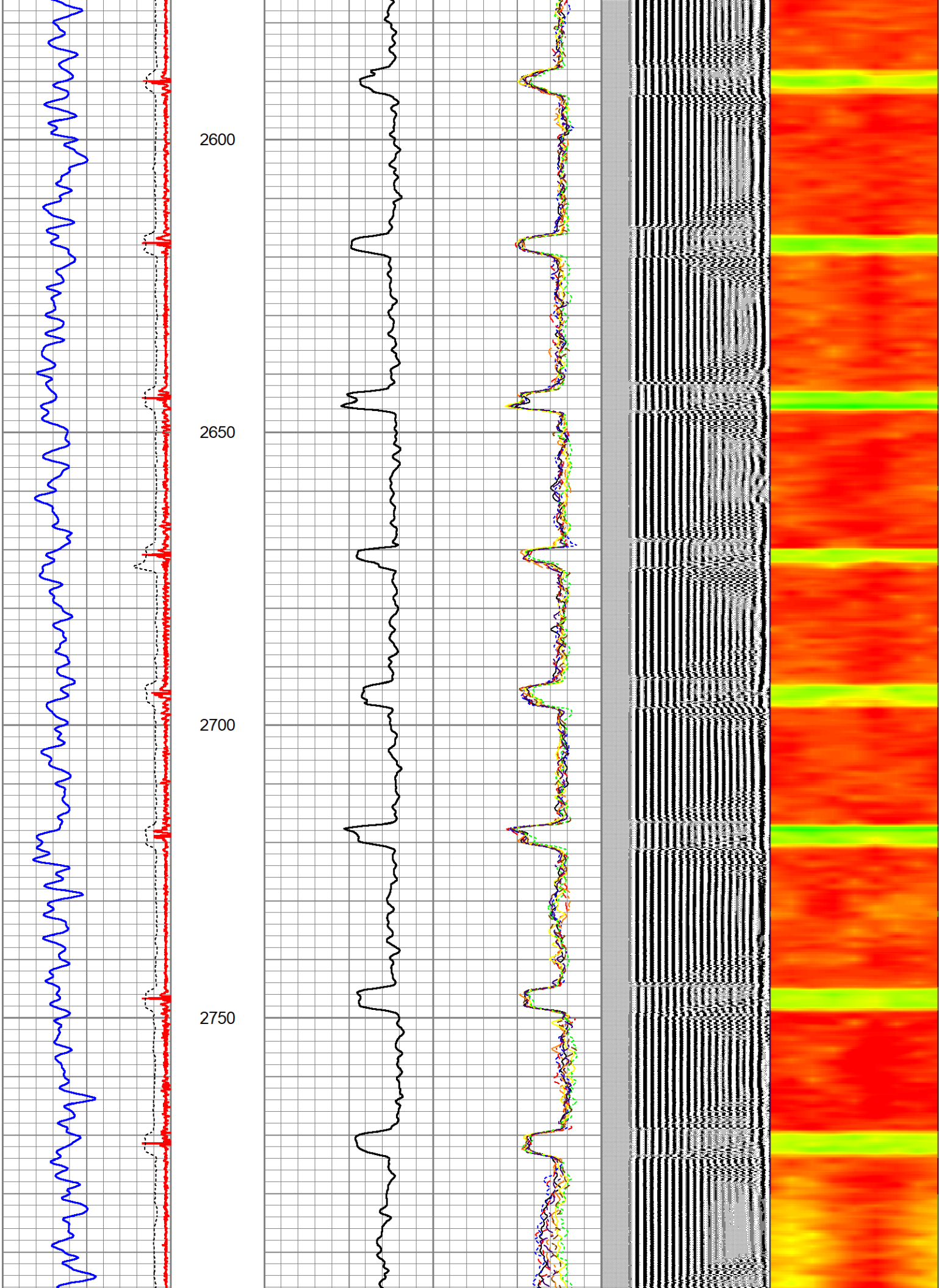
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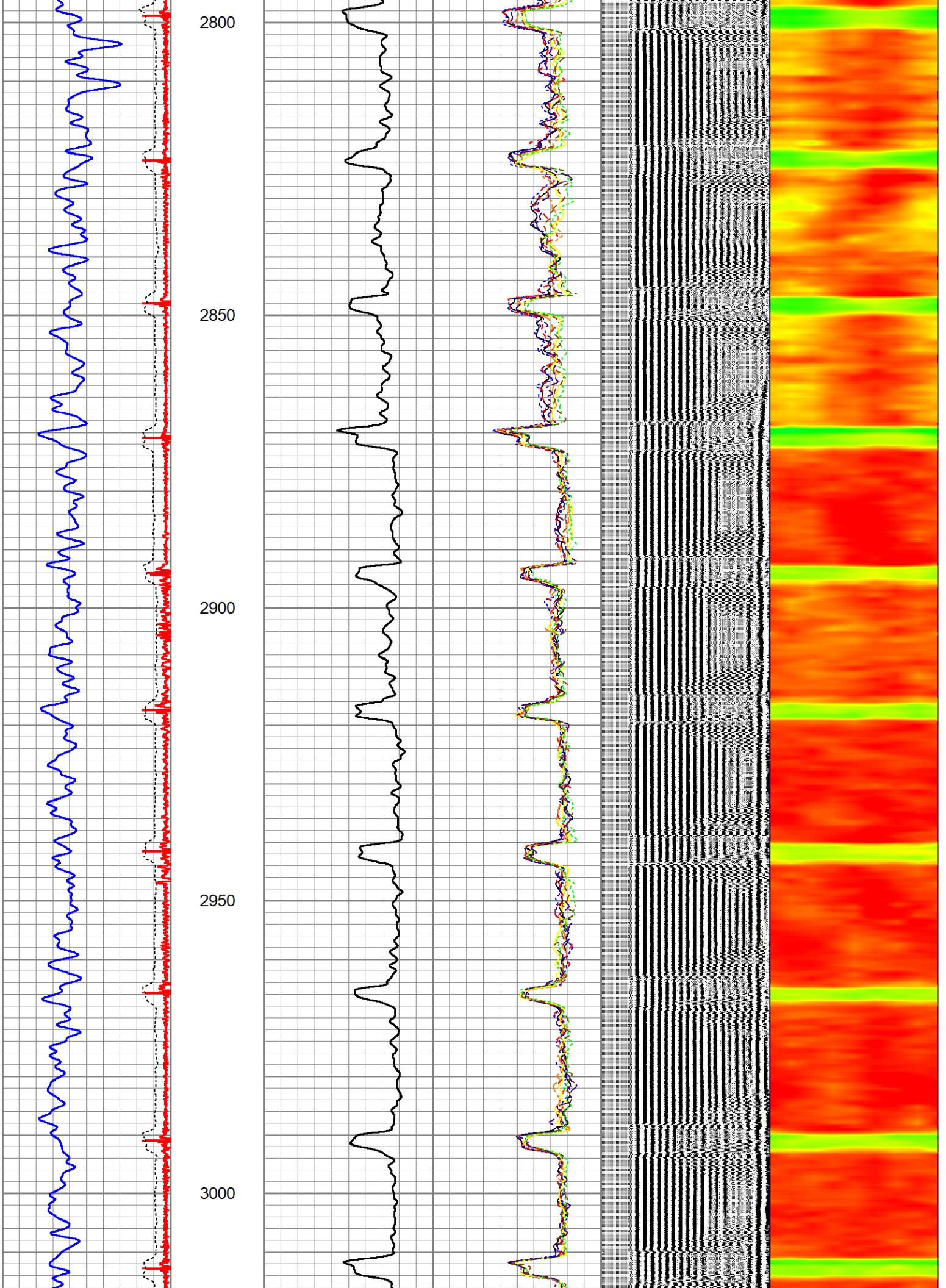


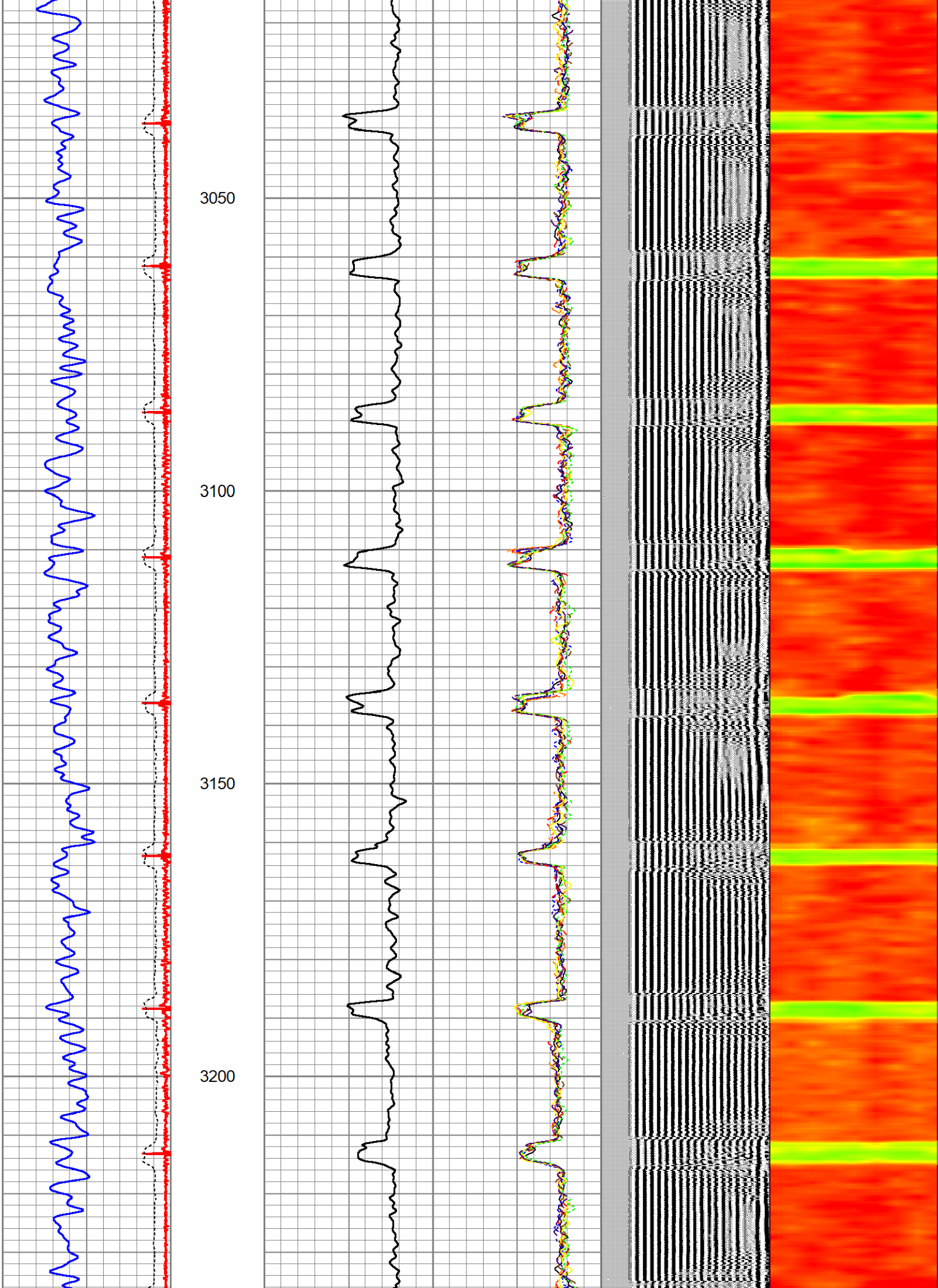


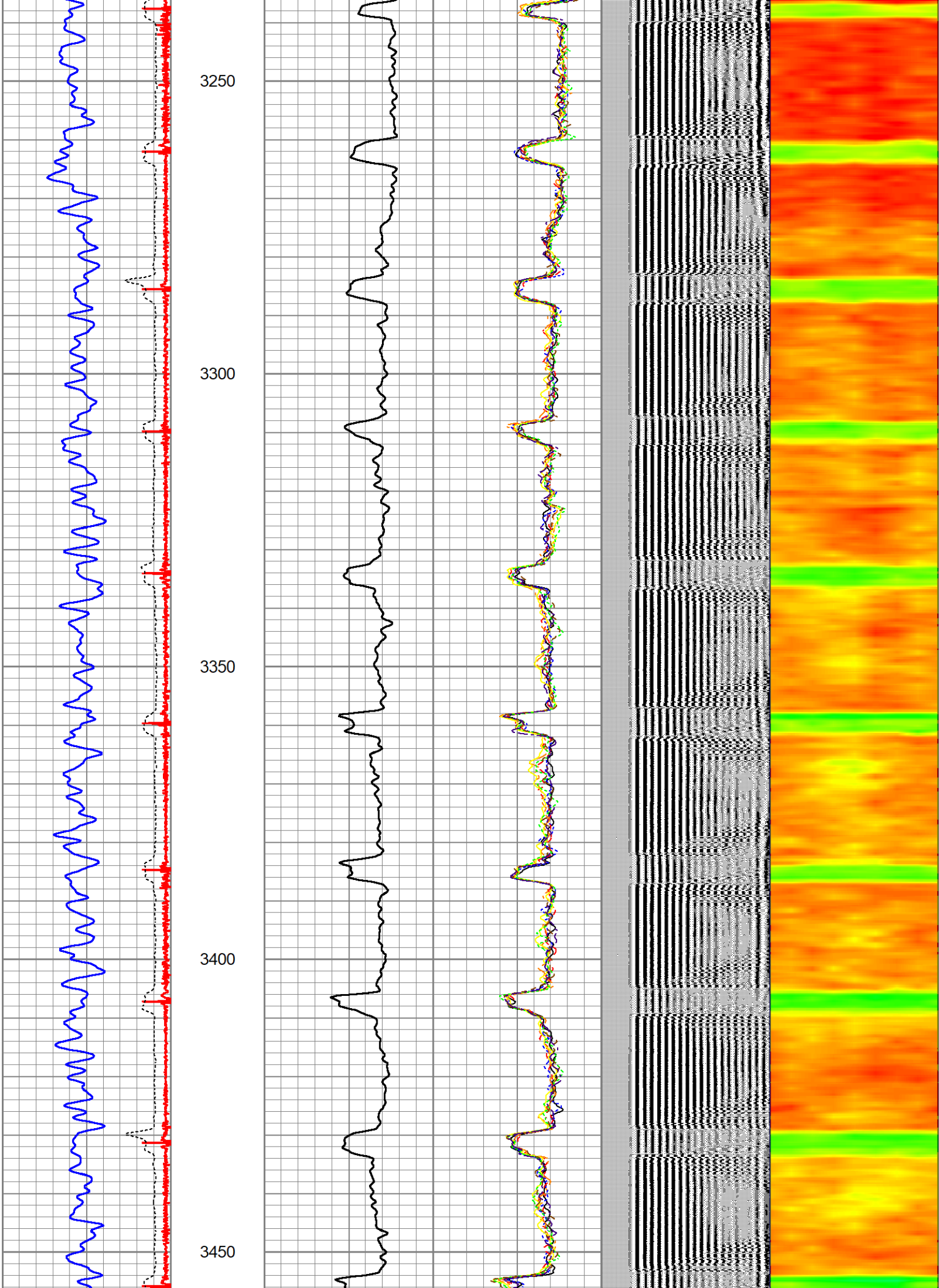


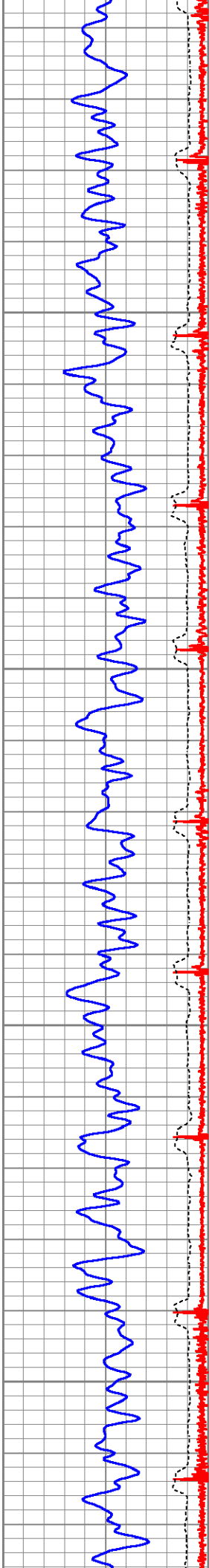










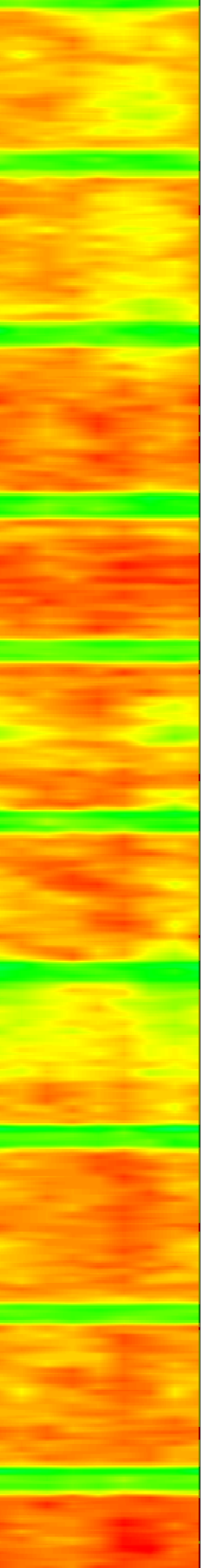
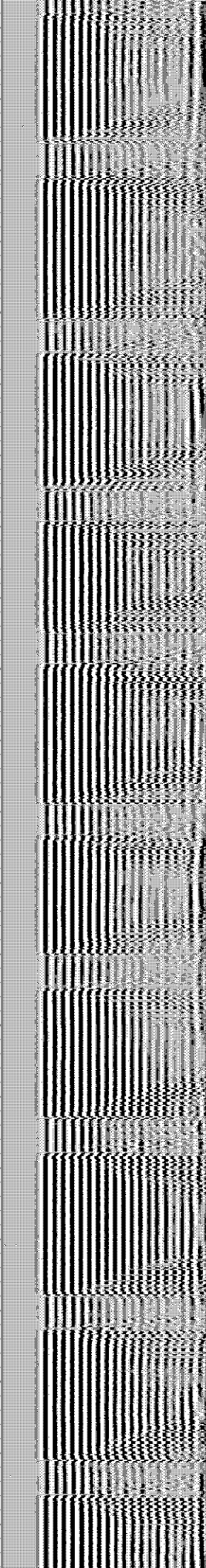
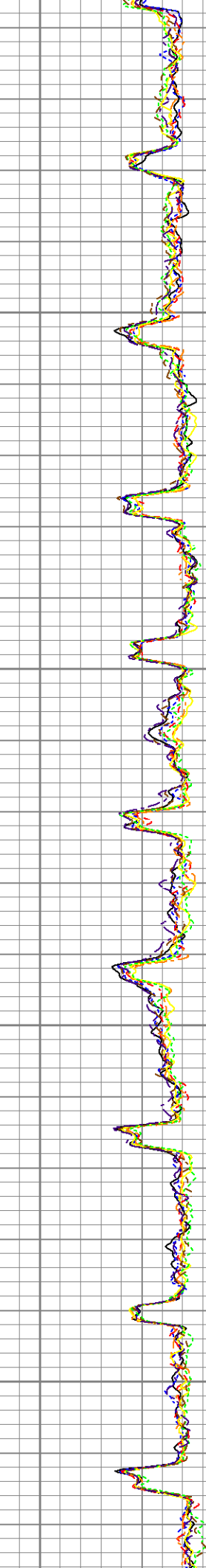
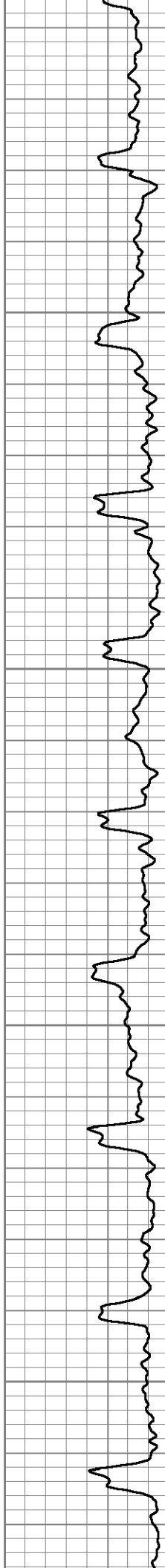


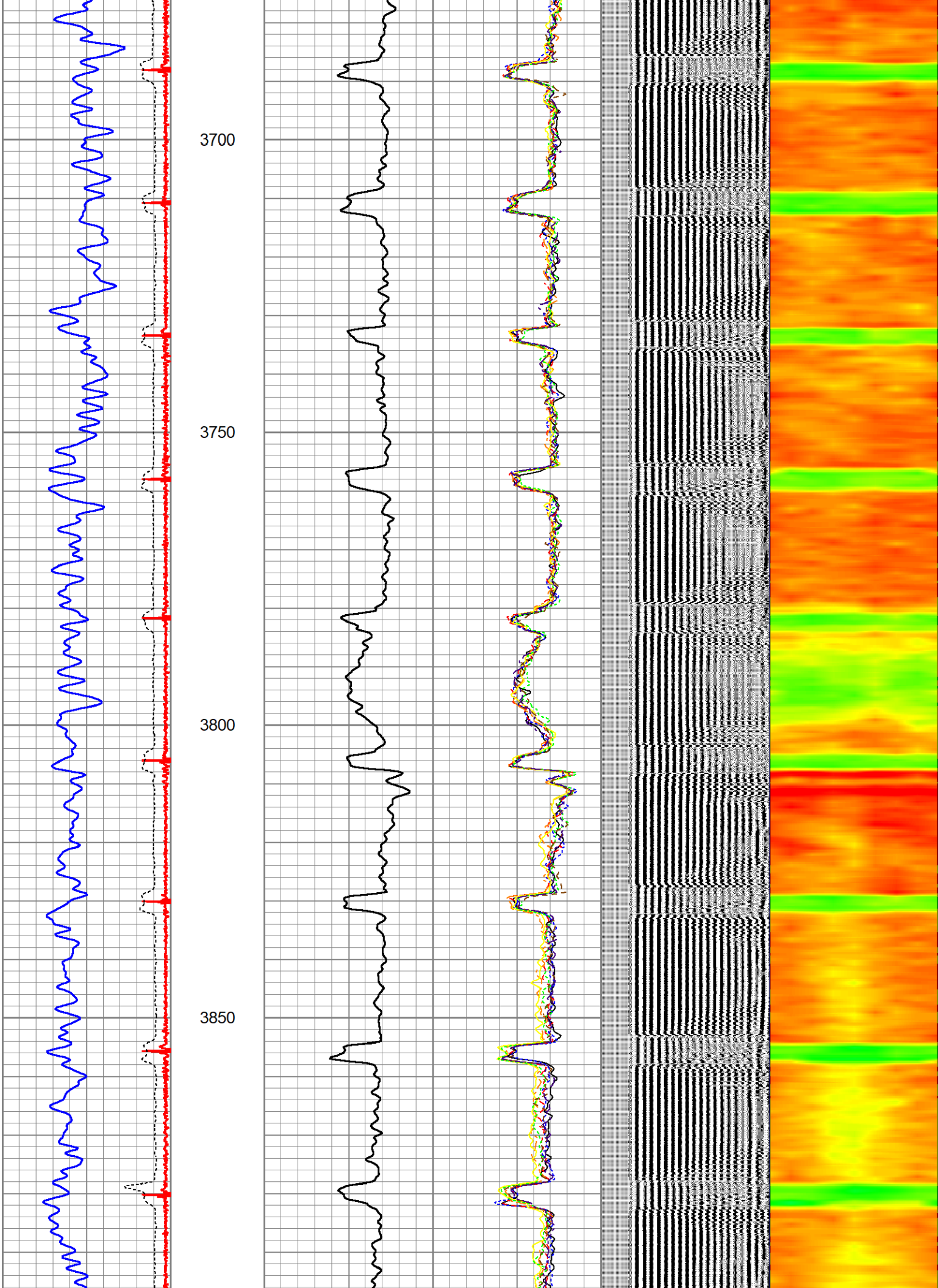
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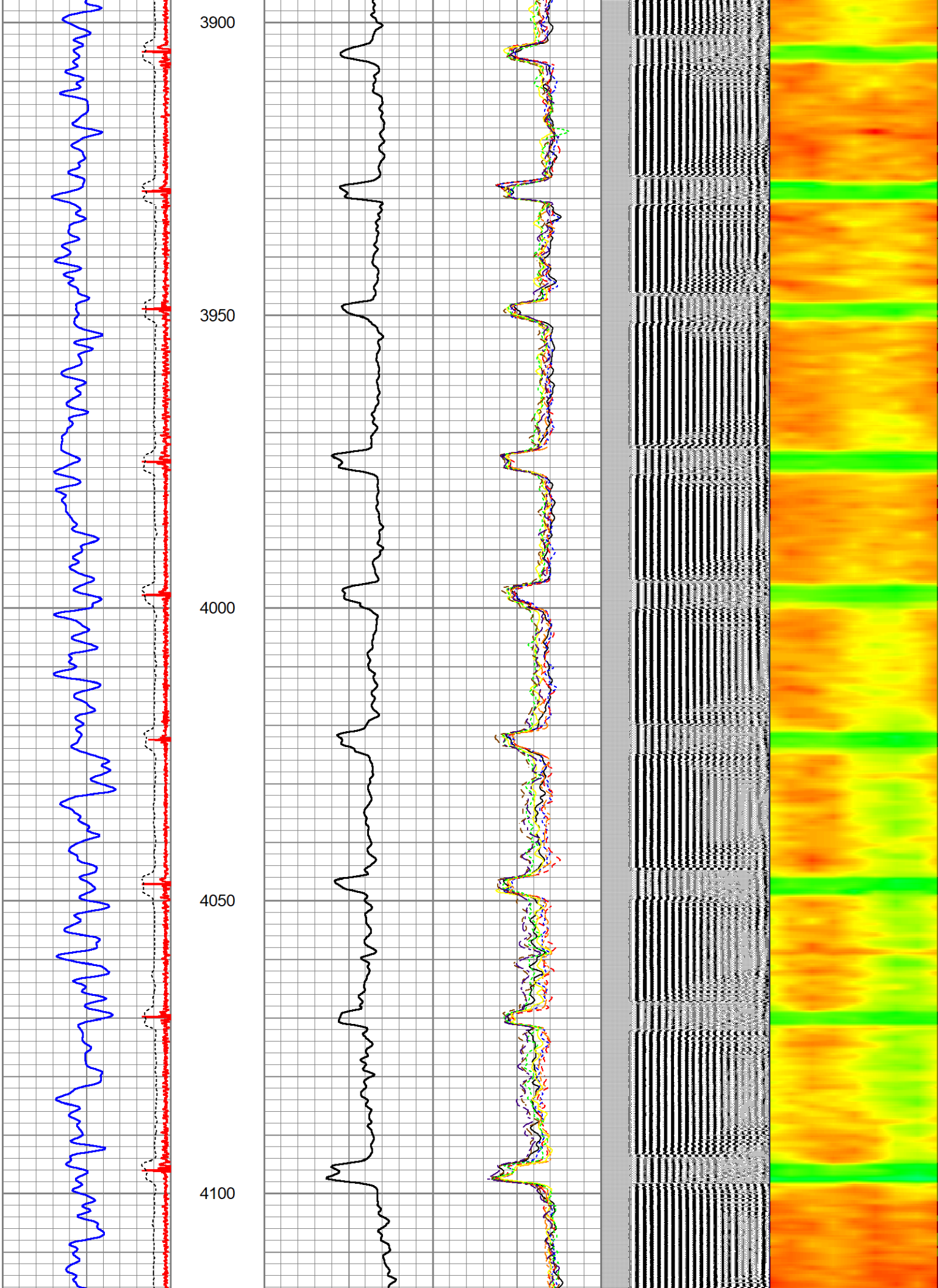
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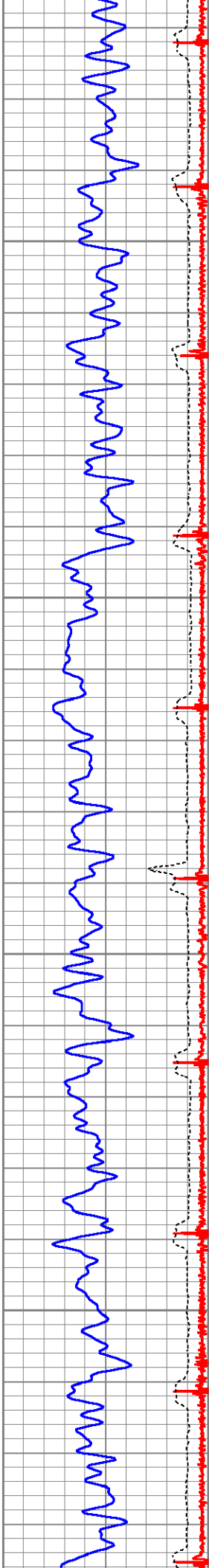
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3650







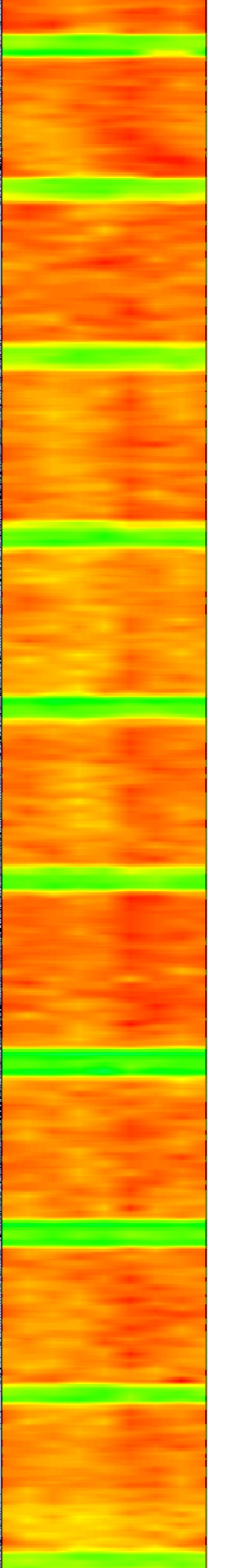
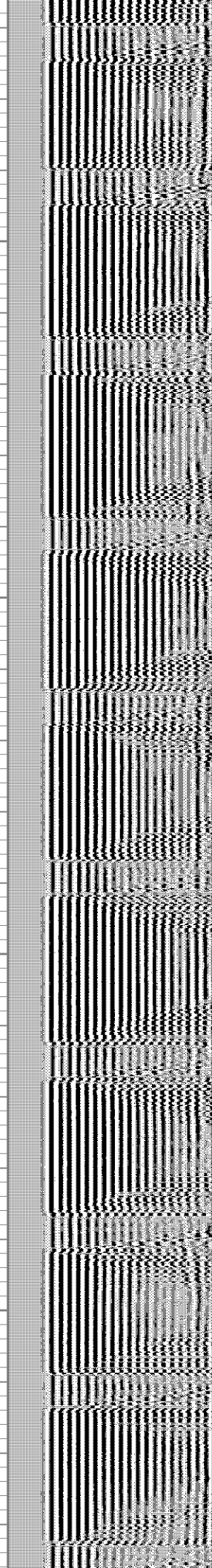
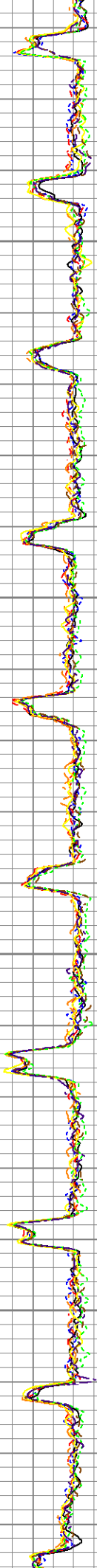
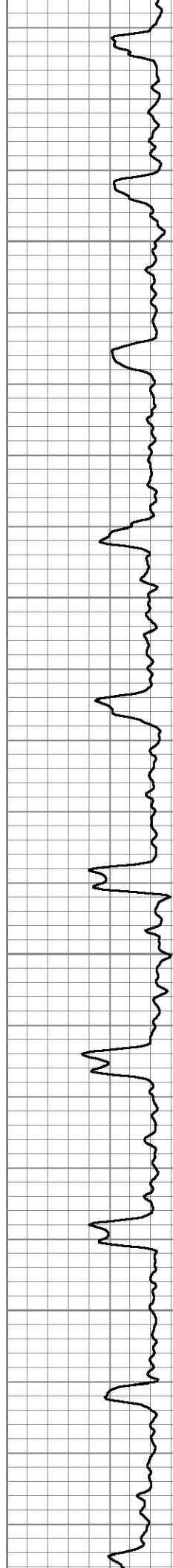


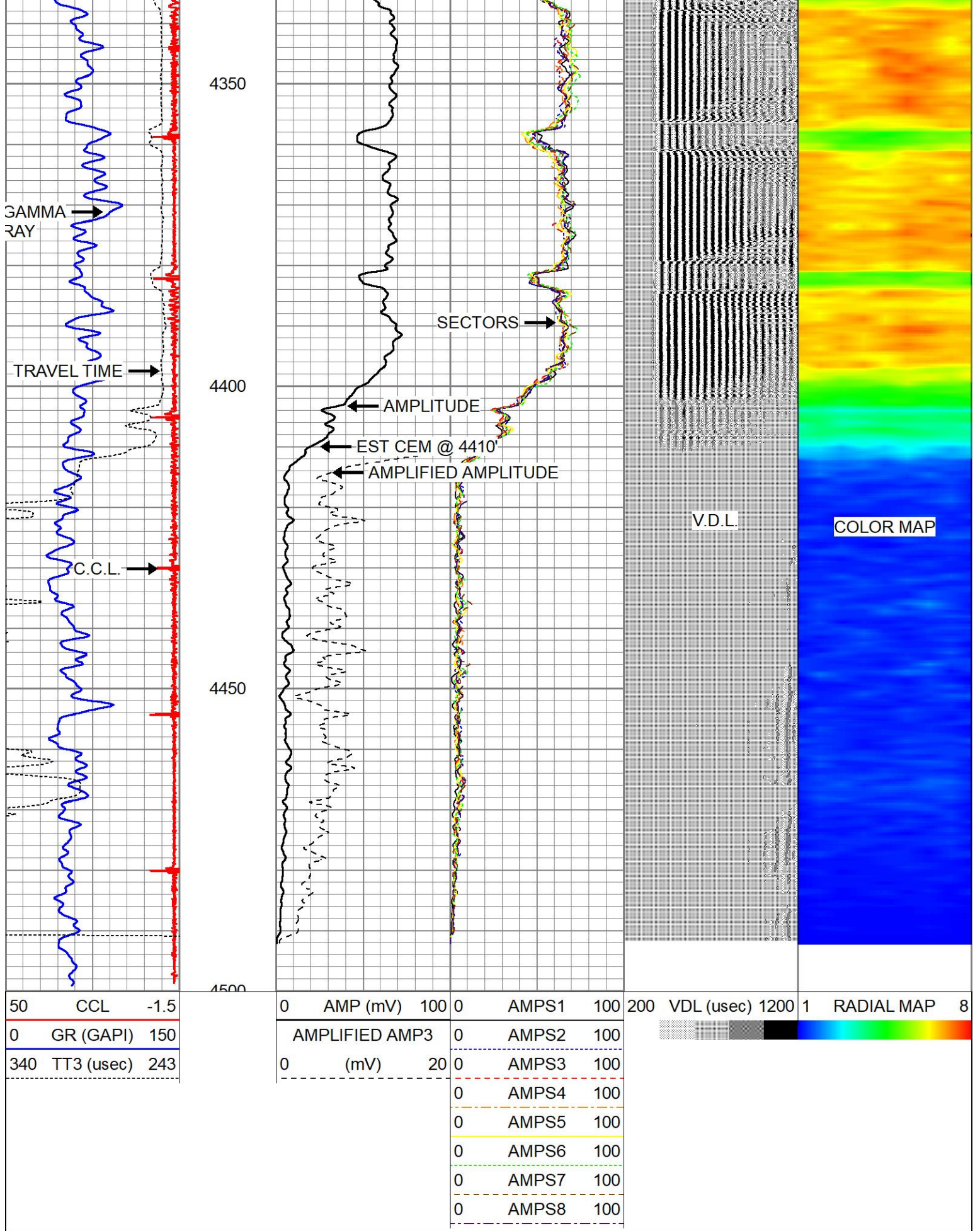
4150

4200

4250

4300





50	CCL	-1.5
0	GR (GAPI)	150
340	TT3 (usec)	243

0	AMP (mV)	100
0	AMPLIFIED AMP3	20
0	AMPS1	100
0	AMPS2	100
0	AMPS3	100
0	AMPS4	100
0	AMPS5	100
0	AMPS6	100
0	AMPS7	100
0	AMPS8	100

200	VDL (usec)	1200	1	RADIAL MAP	8
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Calibration Report

Database File wolf uprr 32-31.db  
 Dataset Pathname pass4

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 101010

SHOP CALIBRATION

Mon Feb 26 13:29:31 2024

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0	0.6000			cps GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number: 101020  
 Tool Model: Probe  
 Calibration Casing Diameter: 4.500 in  
 Calibration Depth: 2106.158 ft

Master Calibration, performed Mon Jun 17 08:35:34 2024:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.587	0.700	81.196	137.690	0.355
CAL	0.002	0.880				
5'	0.002	0.480	0.700	81.196	168.345	0.351
SUM						
S1	0.003	0.560	0.000	81.000	145.223	-0.371
S2	0.002	0.621	0.000	81.000	130.894	-0.268
S3	0.002	0.648	0.000	81.000	125.364	-0.277
S4	0.002	0.648	0.000	81.000	125.452	-0.251
S5	0.002	0.619	0.000	81.000	131.430	-0.302
S6	0.002	0.572	0.000	81.000	142.195	-0.295
S7	0.002	0.563	0.000	81.000	144.392	-0.338
S8	0.002	0.570	0.000	81.000	142.690	-0.327

Internal Reference Calibration, performed Tue Feb 12 13:45:01 2013:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.002	0.880	1.000	0.000

	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

## Log Variables


DatabaseC:\ProgramData\Warrior\Data\wolf uprr 32-31.db  
 Dataset field/well/run1/pass4/\_vars\_

### Top - Bottom

BOREID in 8.625	BOTTEMP degF 100	CASEOD in 4.5	CASETHCK in 0	CASEWGHT lb/ft 11.6	MAXAMPL mV 81	MINAMPL mV 0.7	MINATTN db/ft 0.8
PERFS No	PPT usec 357	SRFTEMP degF 56	TDEPTH ft 0				

### Variable Description

BOREID : Borehole I.D.	CASEWGHT : Casing Weight	PERFS : Perforation Flag
BOTTEMP : Bottom Hole Temperature	MAXAMPL : Maximum Amplitude	PPT : Predicted Pipe Time
CASEOD : Casing O.D.	MINAMPL : Minimum Amplitude	SRFTEMP : Surface Temperature
CASETHCK : Casing Thickness	MINATTN : Minimum Attenuation	TDEPTH : Total Depth

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-STNDRD Standard Cable Head	1.00	1.69	10.00
			CENT-PTS1.70 (PT0934) Probe 1.70 Centalizer	3.08	1.70	10.00

WVFS8	11.88		RB1-Probe (101020) Probe Radii Bond Tool with Digital Telemetry	8.75	2.75	90.00
WVFS7	11.88					
WVFS6	11.88					
WVFS5	11.88					
WVFS4	11.88					
WVFS3	11.88					
WVFS2	11.88					
WVFS1	11.88					
WVFCAL	11.88					
WVF3FT	11.88					
WVF5FT	10.88					
			CENT-PTS1.70 (PT0936) Probe 1.70 Centralizer	3.08	1.70	10.00
CCL	3.63					
		GR-Probe275dig (101010) Probe Gamma CCL	4.54	2.75	57.00	
GR	0.89					

Dataset: wolf uprr 32-31.db: field/well/run1/pass6  
 Total length: 20.46 ft  
 Total weight: 177.00 lb  
 O.D.: 2.75 in