

Company Noble Energy Well ROTHE STATE B 36-7 Field Wattenberg County Weld State Colorado		Company Noble Energy Well ROTHE STATE B 36-7 Field Wattenberg County Weld State Colorado		Location: API # : 05-123-16704 SEC 36 TWP T5N RGE 64W SW/4 NE/4 Permanent Datum Ground Level Elevation 4599 Log Measured From Kelly Bushing Drilling Measured From Kelly Bushing		Other Services Elevation K.B. 4609 D.F. 4608 G.L. 4599	
Date 30 July 2020							
Run Number	One						
Depth Driller	6822						
Depth Logger	5401						
Bottom Logged Interval	5400						
Top Log Interval	Surface						
Casing Size	2 7/8						
Type Fluid	Water						
Max. Recorded Temp.	Not Recorded						
Estimated Cement Top	---						
Time Well Ready	ROA						
Time Logger on Bottom	13:00						
Unit Number	200100						
Tool Size/ID Number	1 11/16 Probe						
location	Sterling						
Recorded By	Scott Erb						
Witnessed By	Tony Mathias						
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size	Wgt/Ft	Top	Bottom			
Surface String	8 5/8	24	Surface				
Prot. String							
Production String	2 7/8	6.5	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.

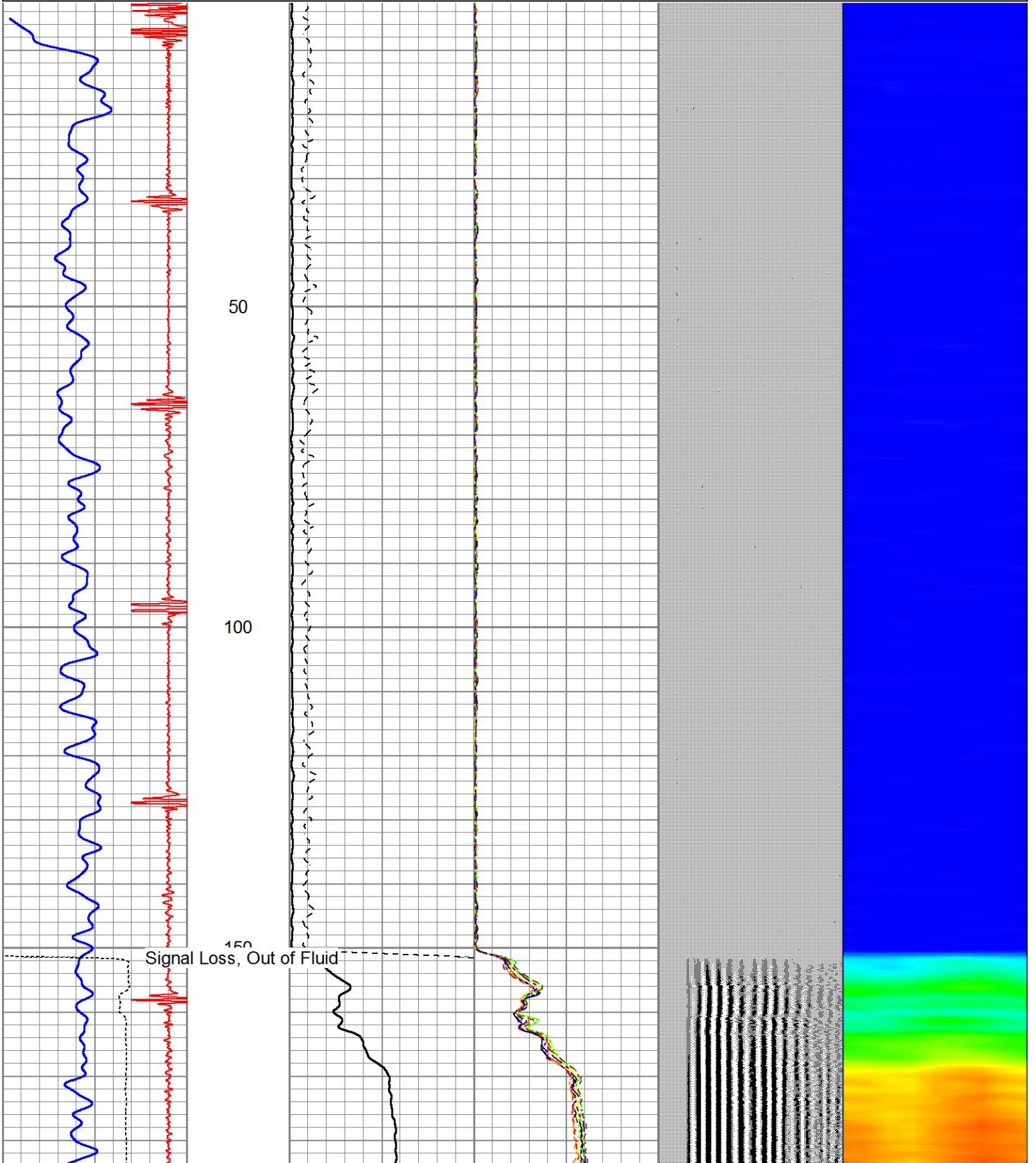
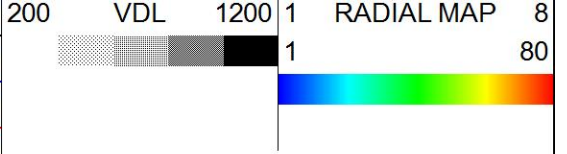
Comments

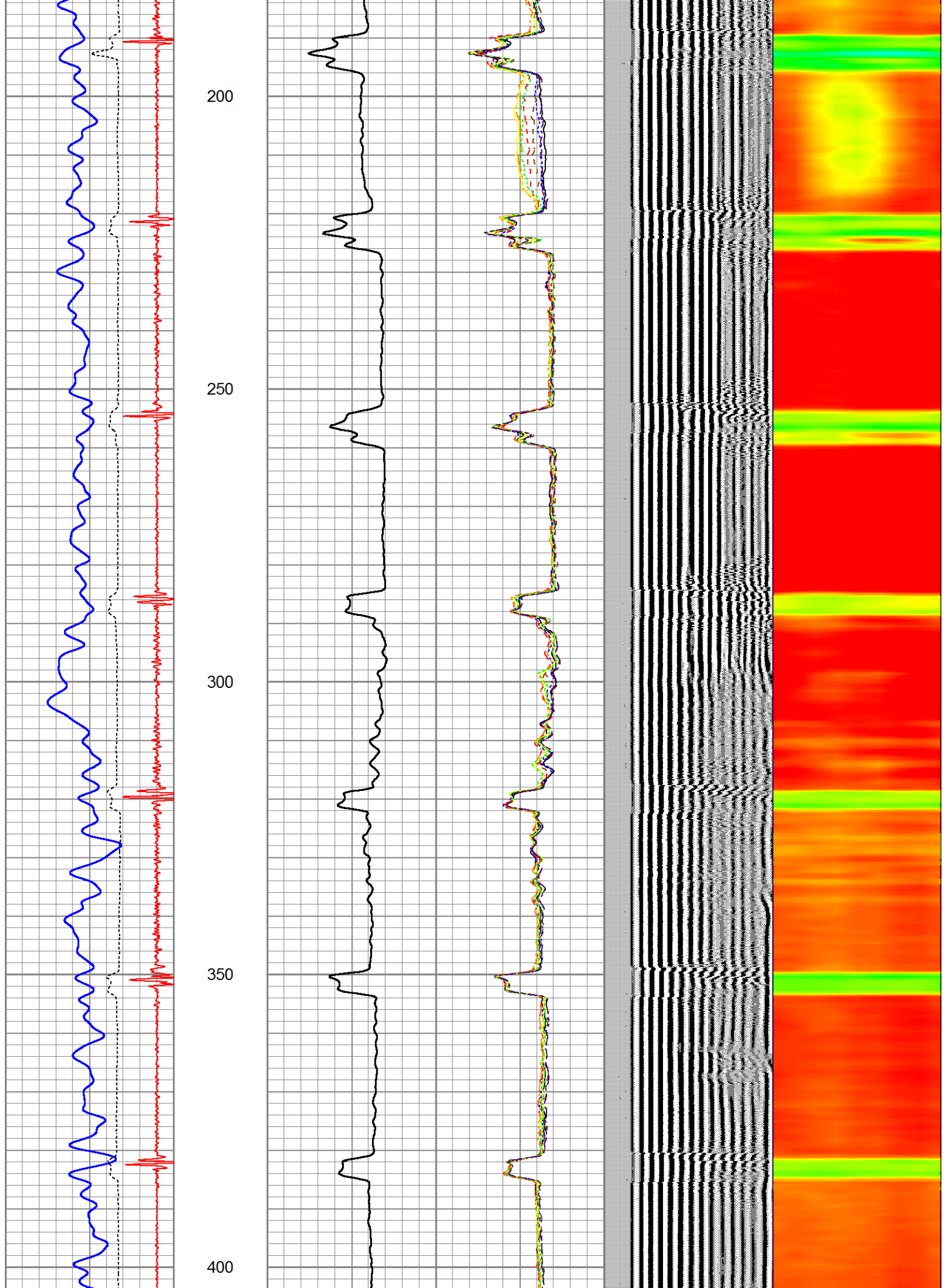
No log available for correlation

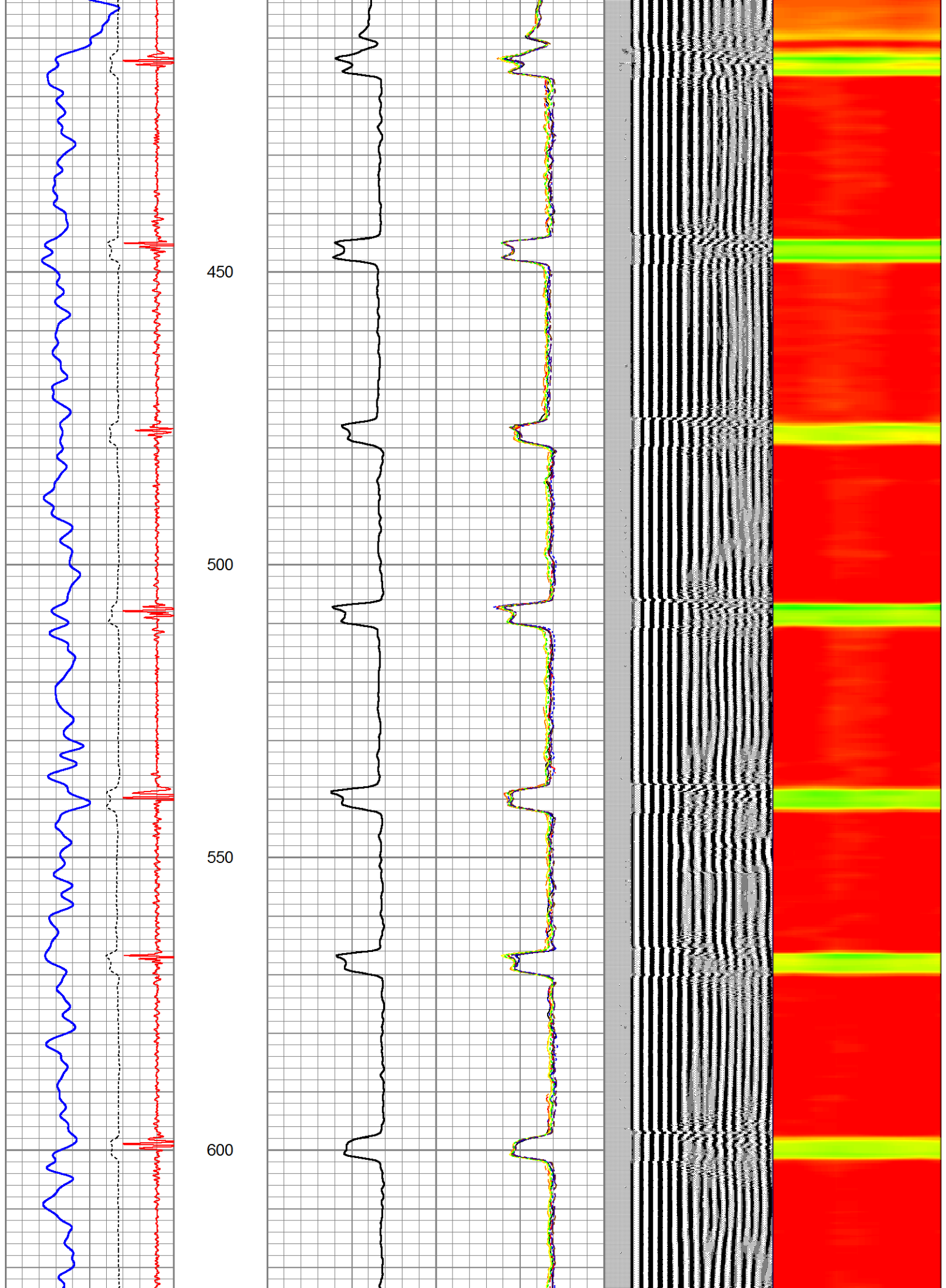
9	CCL\$1	-1
0	GR (GAPI)	150
300	TT3 (usec)	200

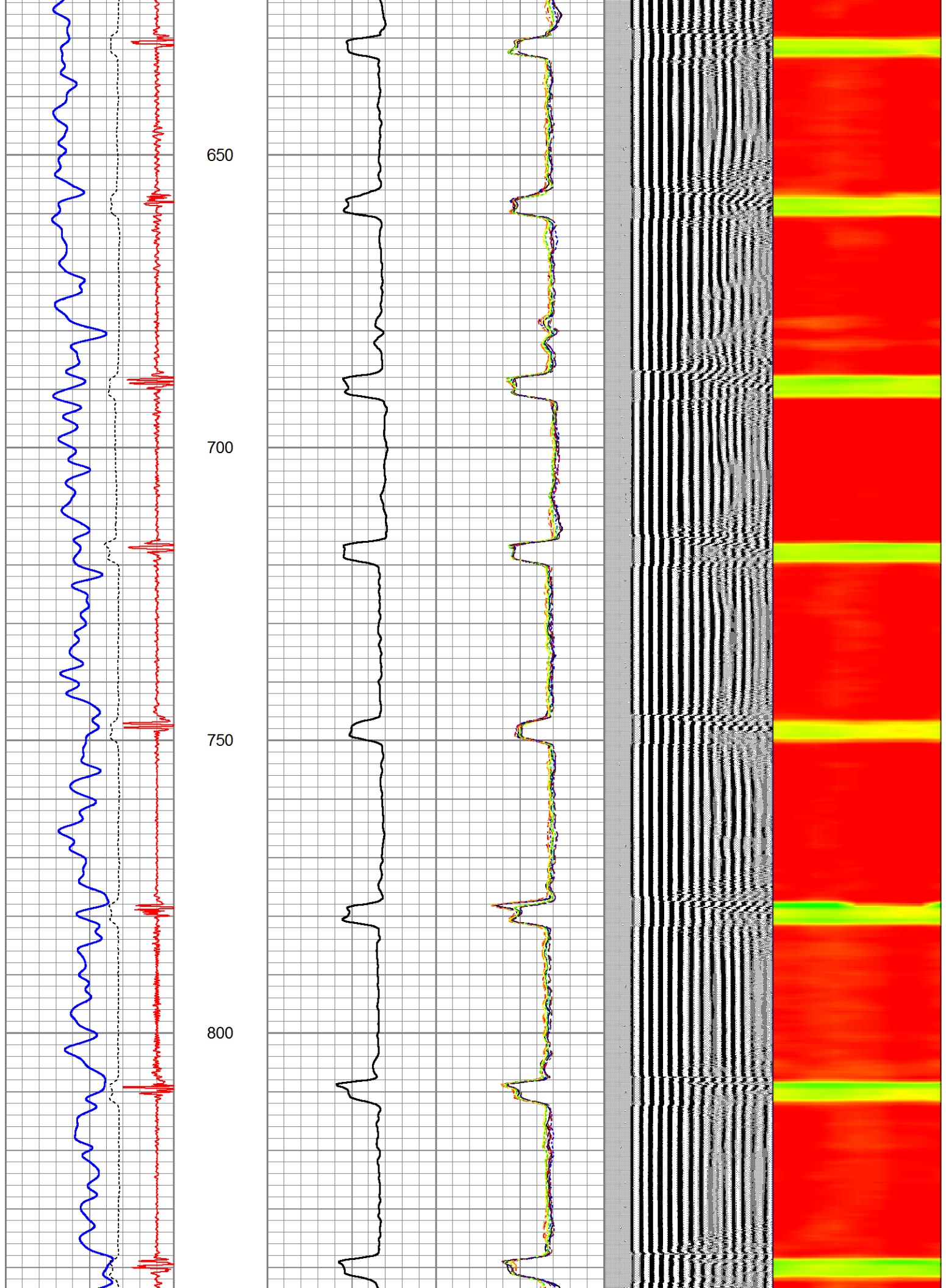
0	AMP (mV)	120
0	AMPLIFIED AMP3	20
0	(mV)	20

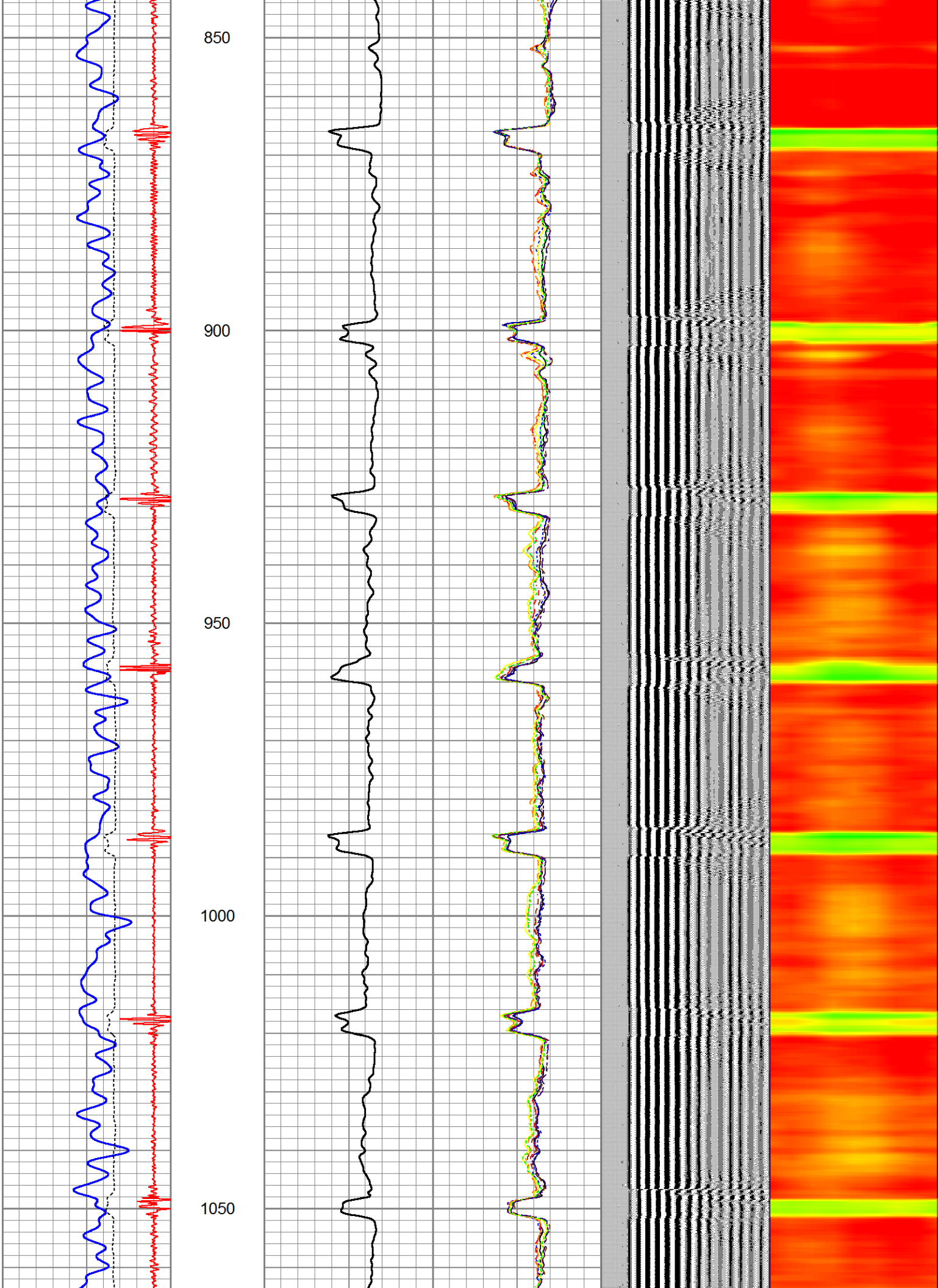
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0	AMPS2	120
0	AMPS3	120
0	AMPS4	120
0	AMPS5	120
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0	AMPS7	120
0	AMPS8	120

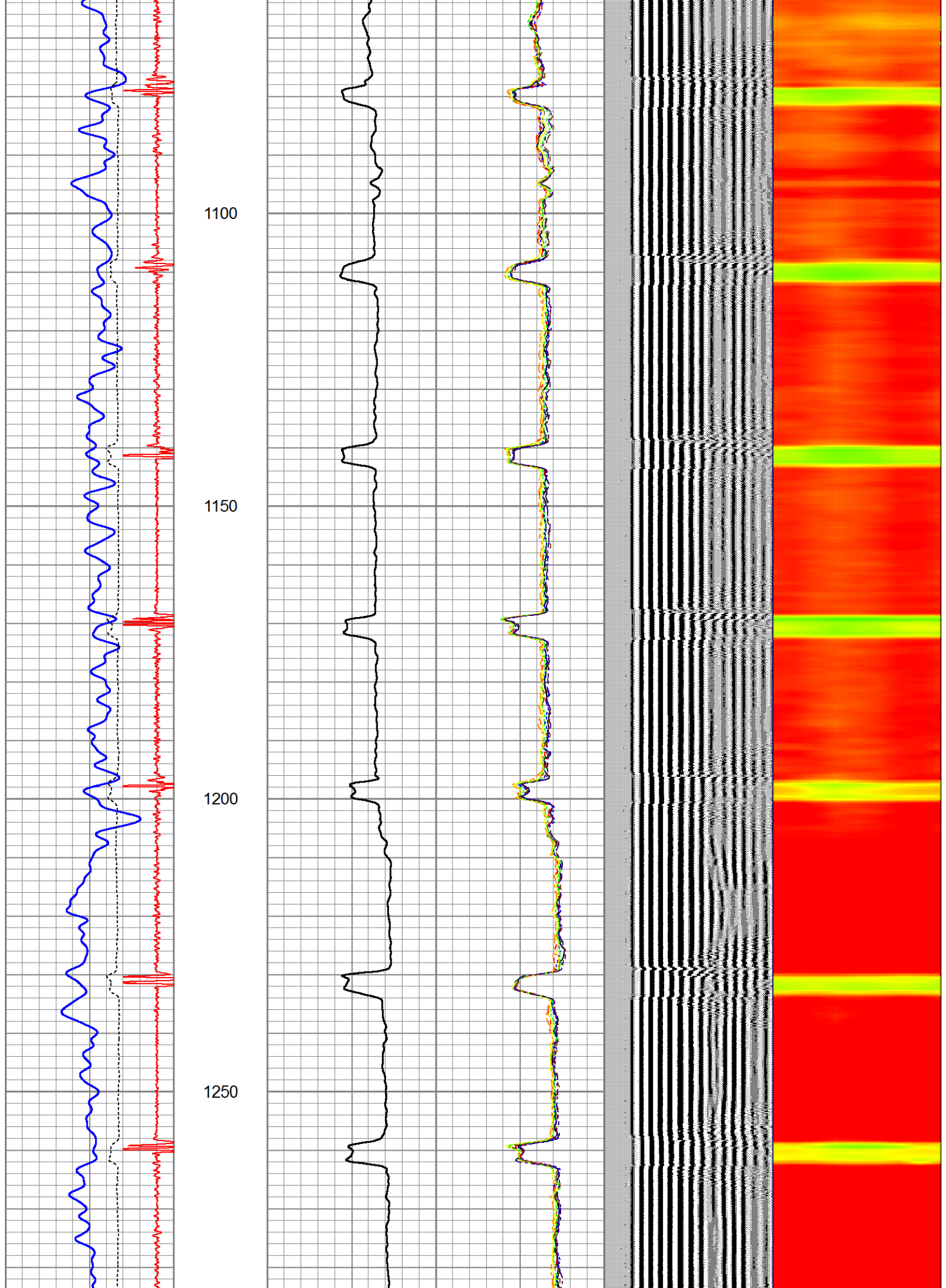


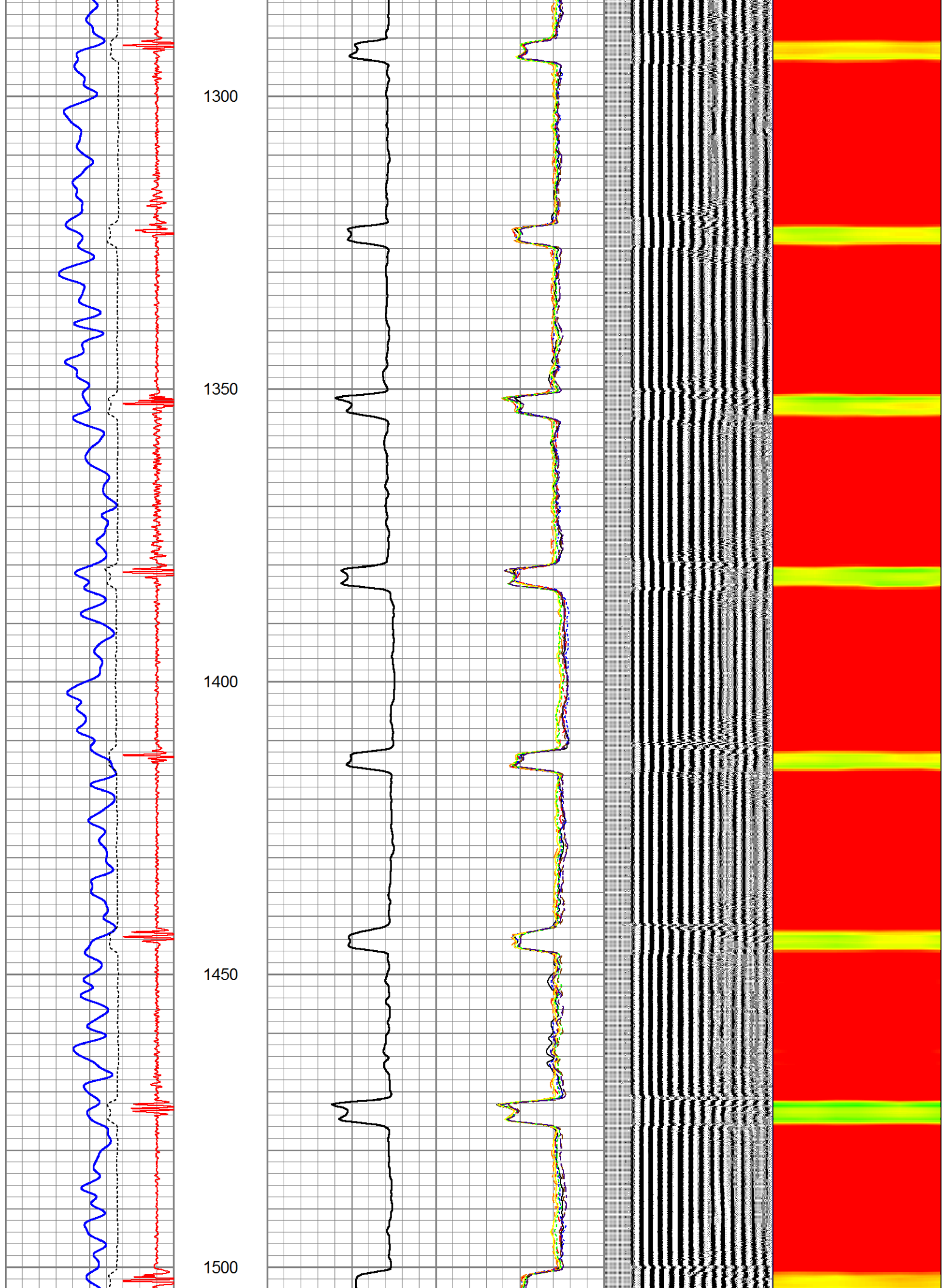


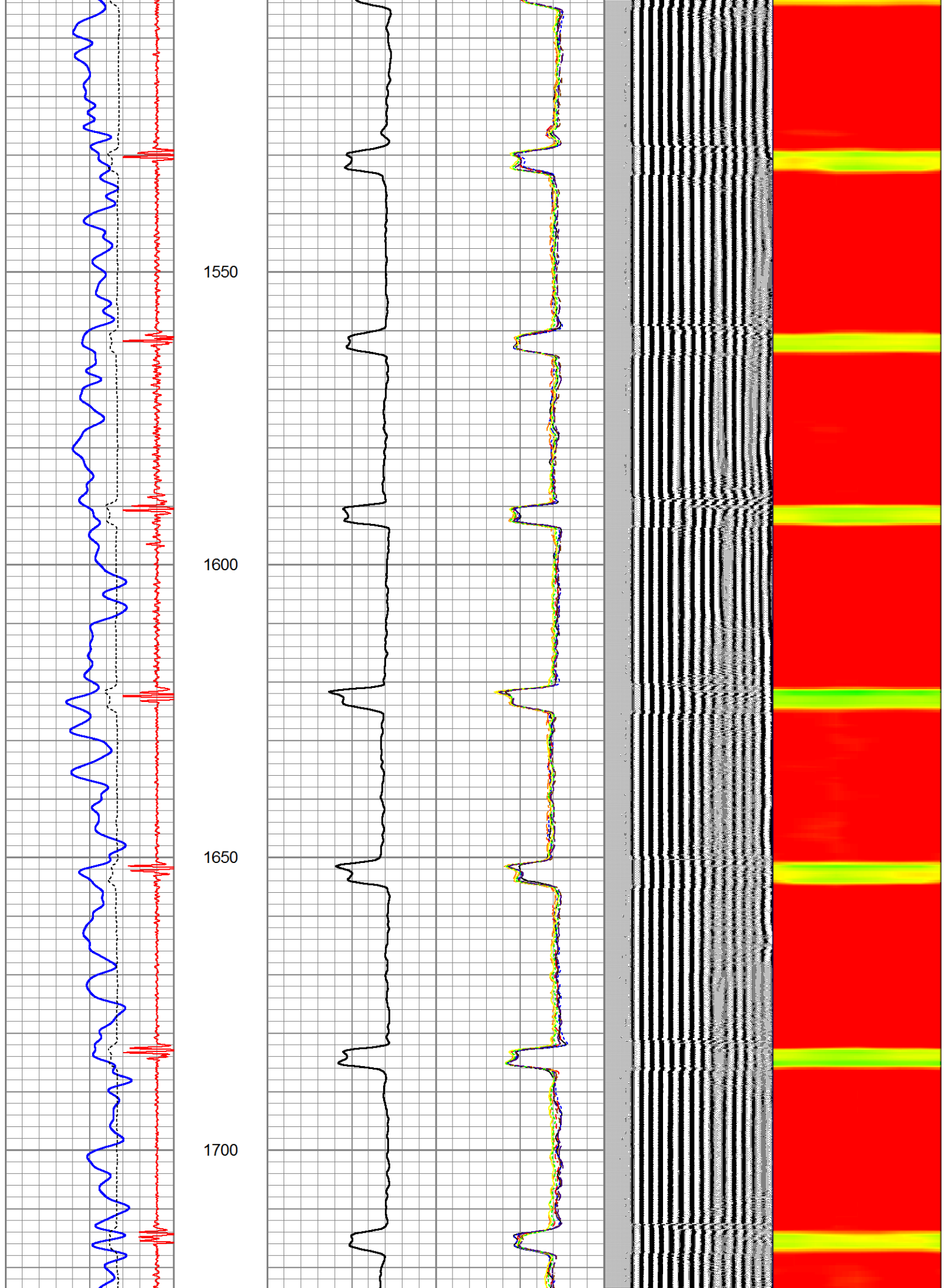


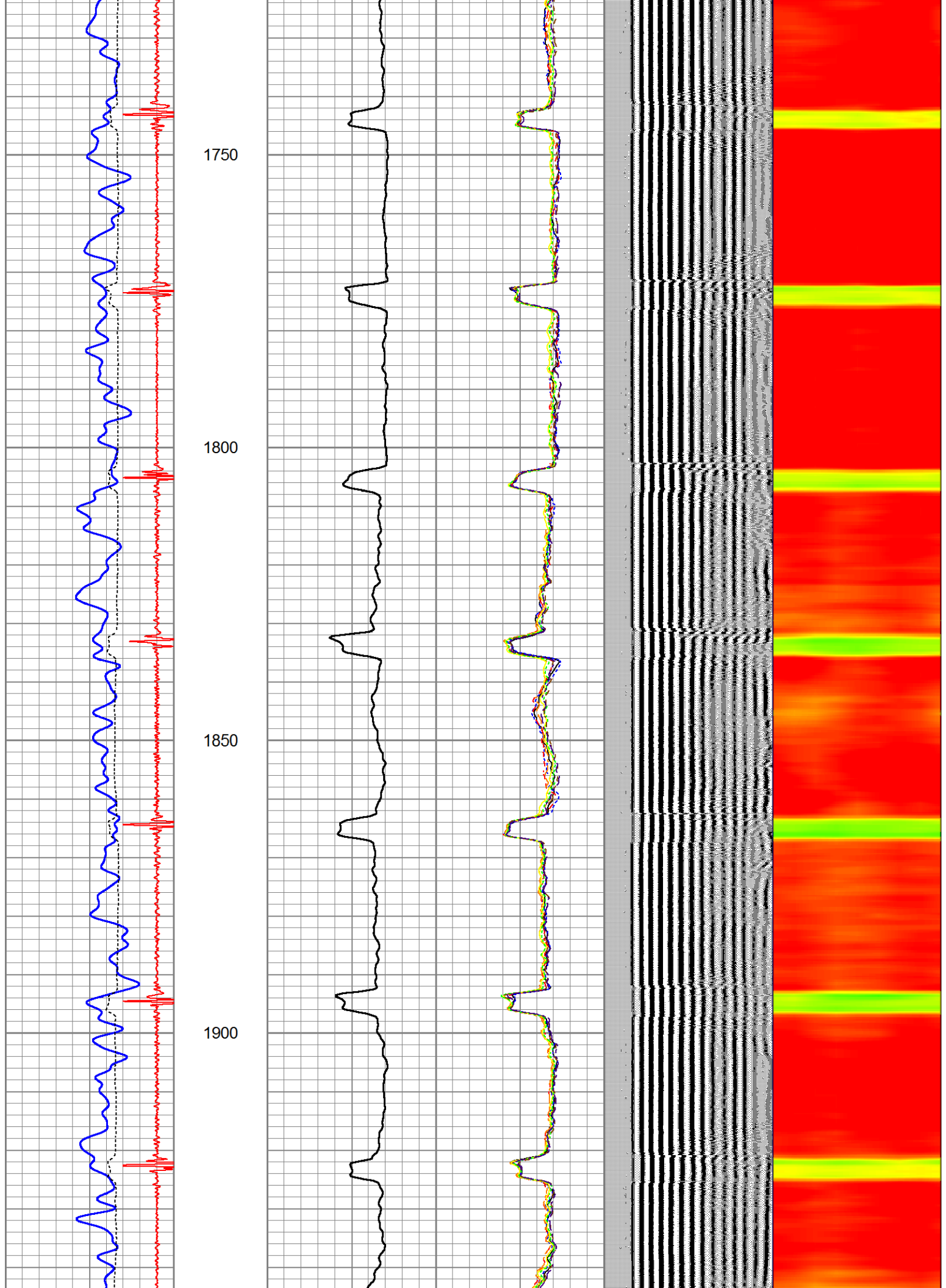


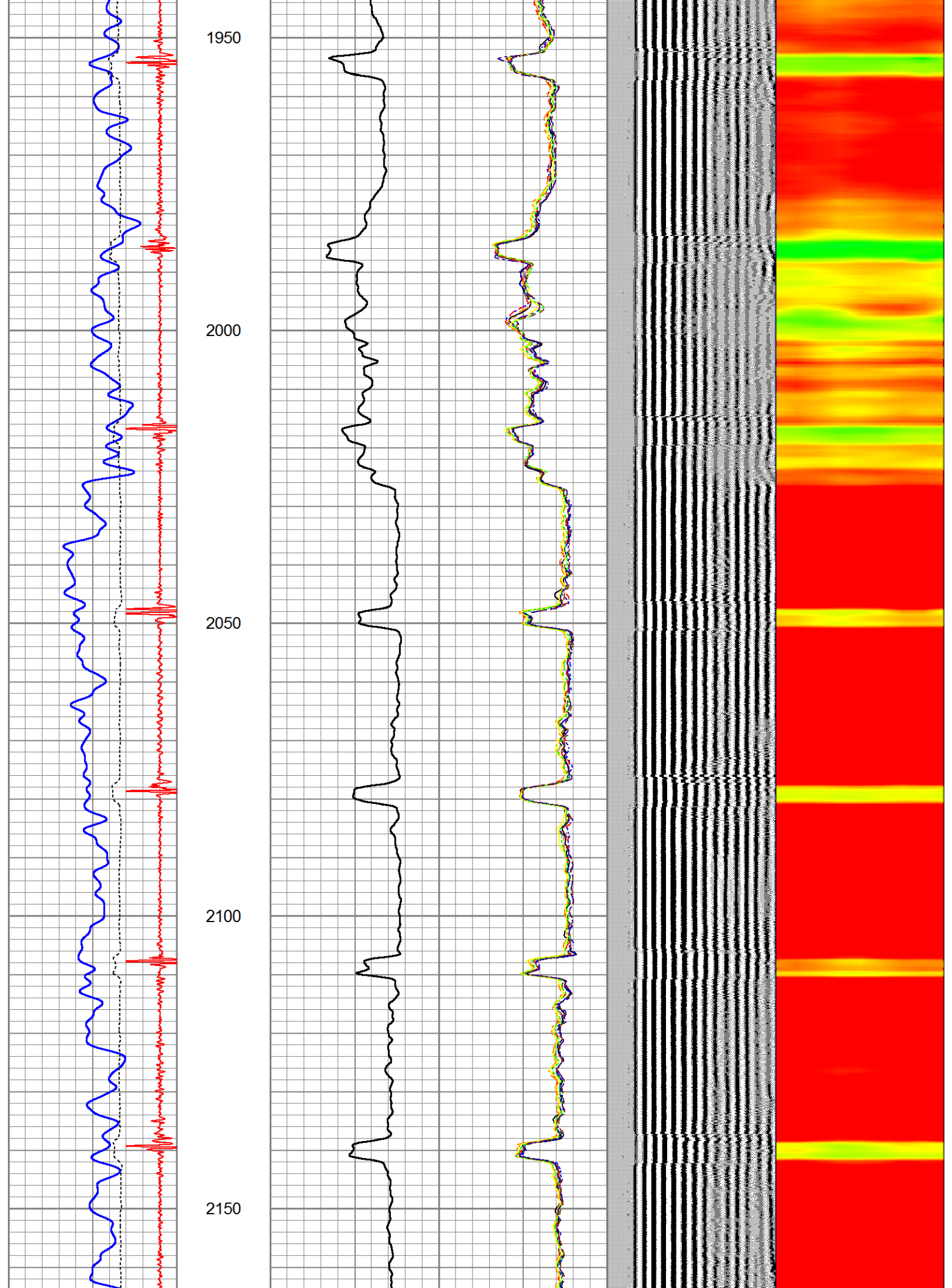


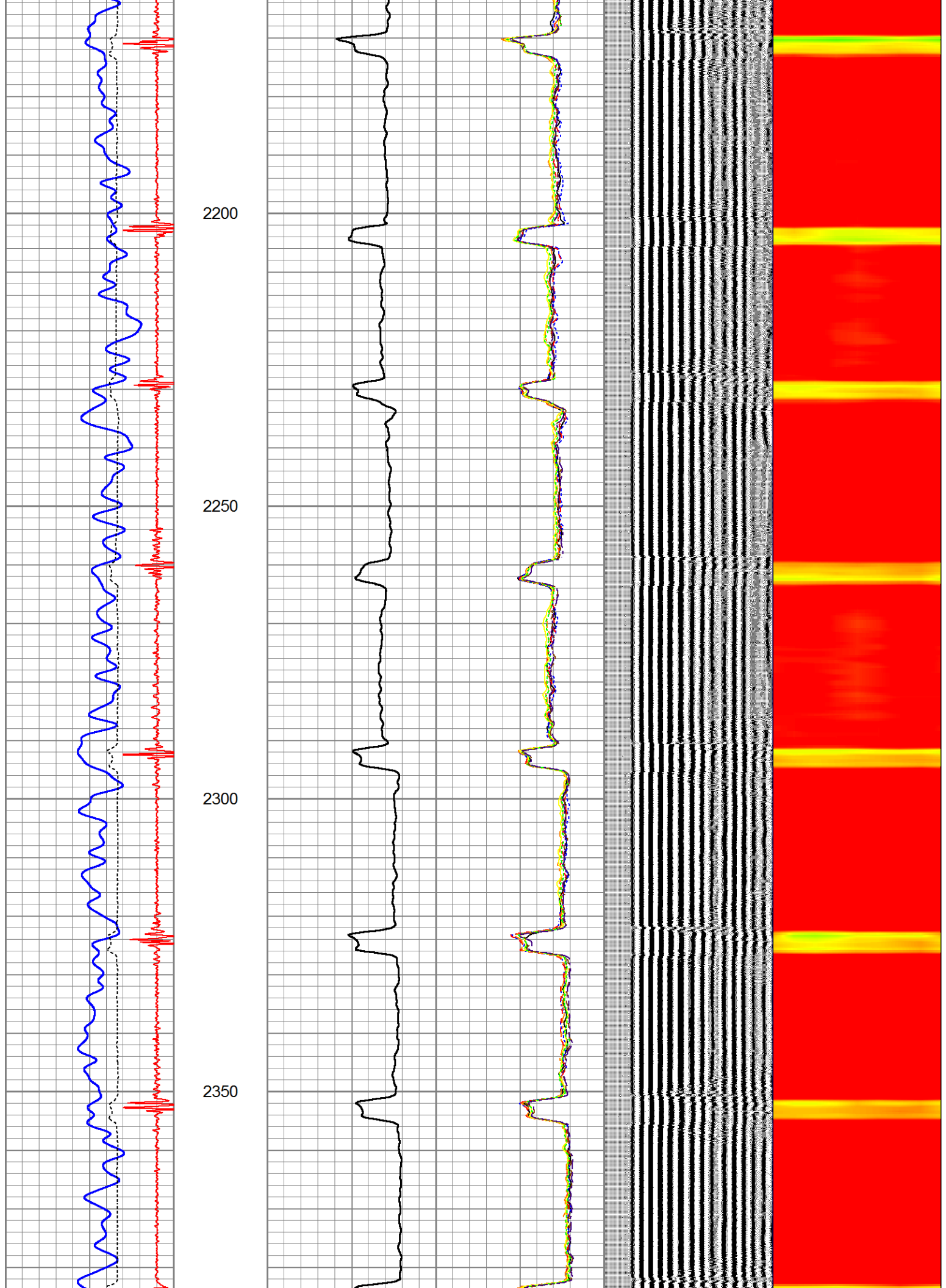


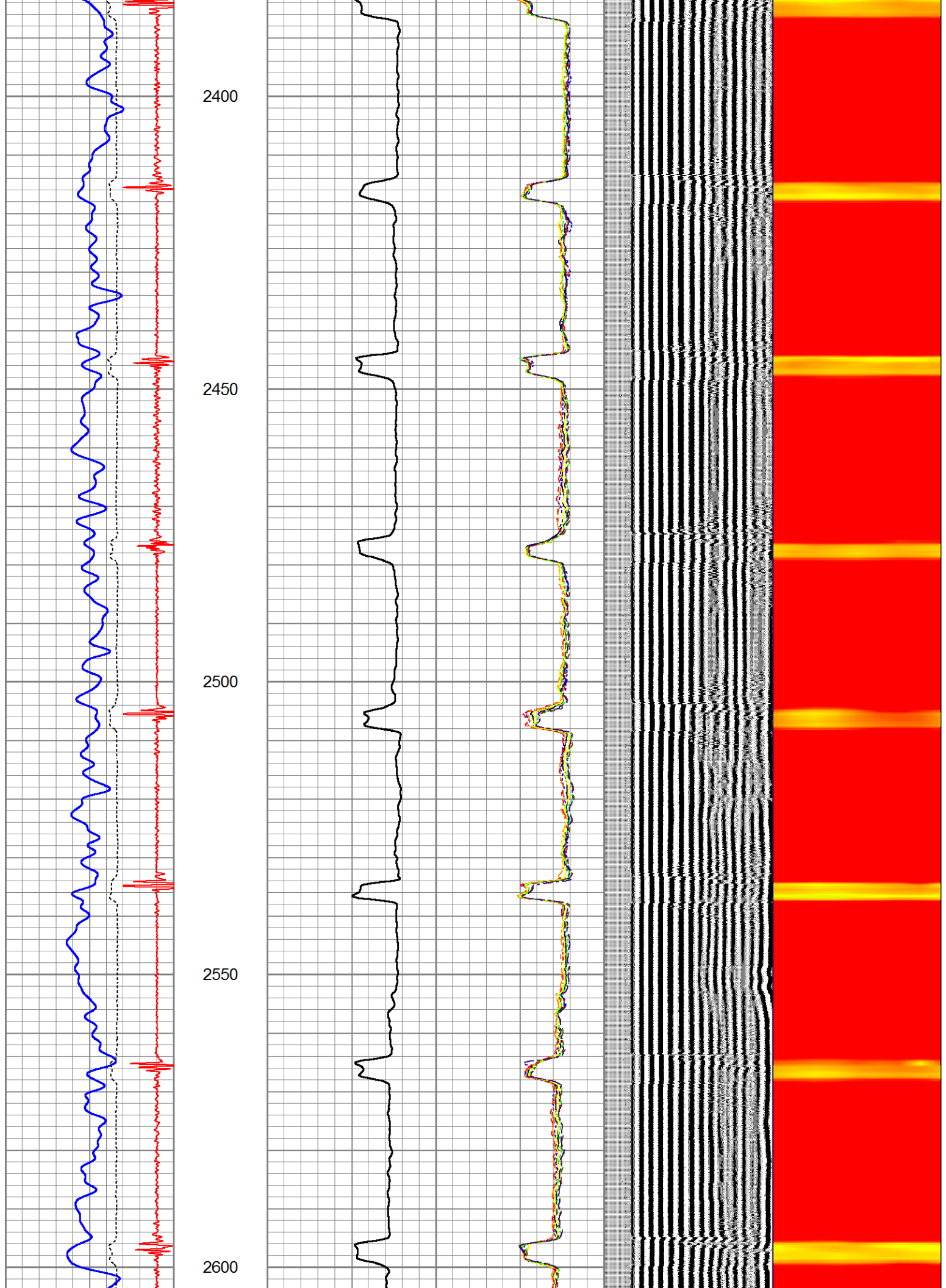


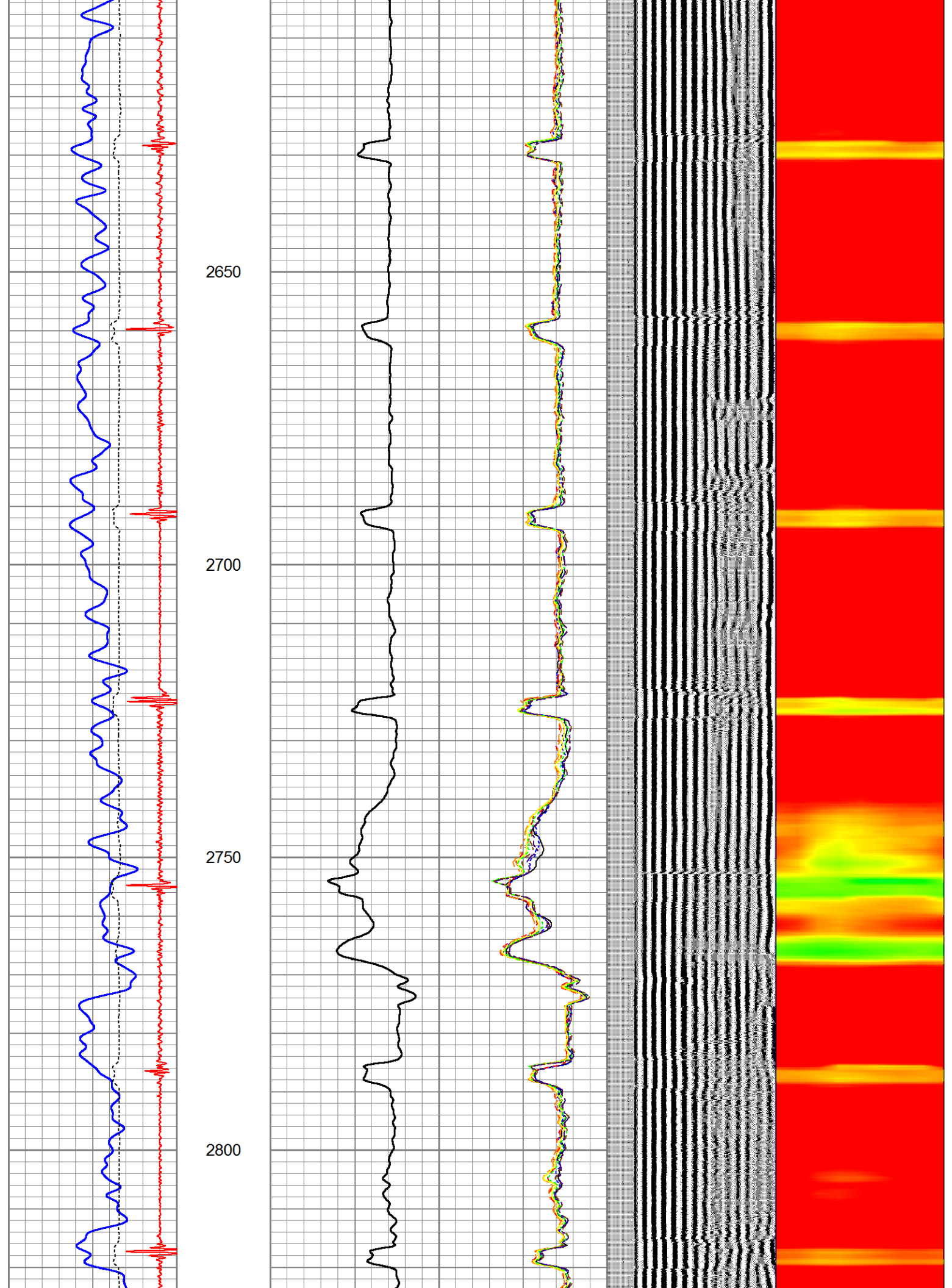


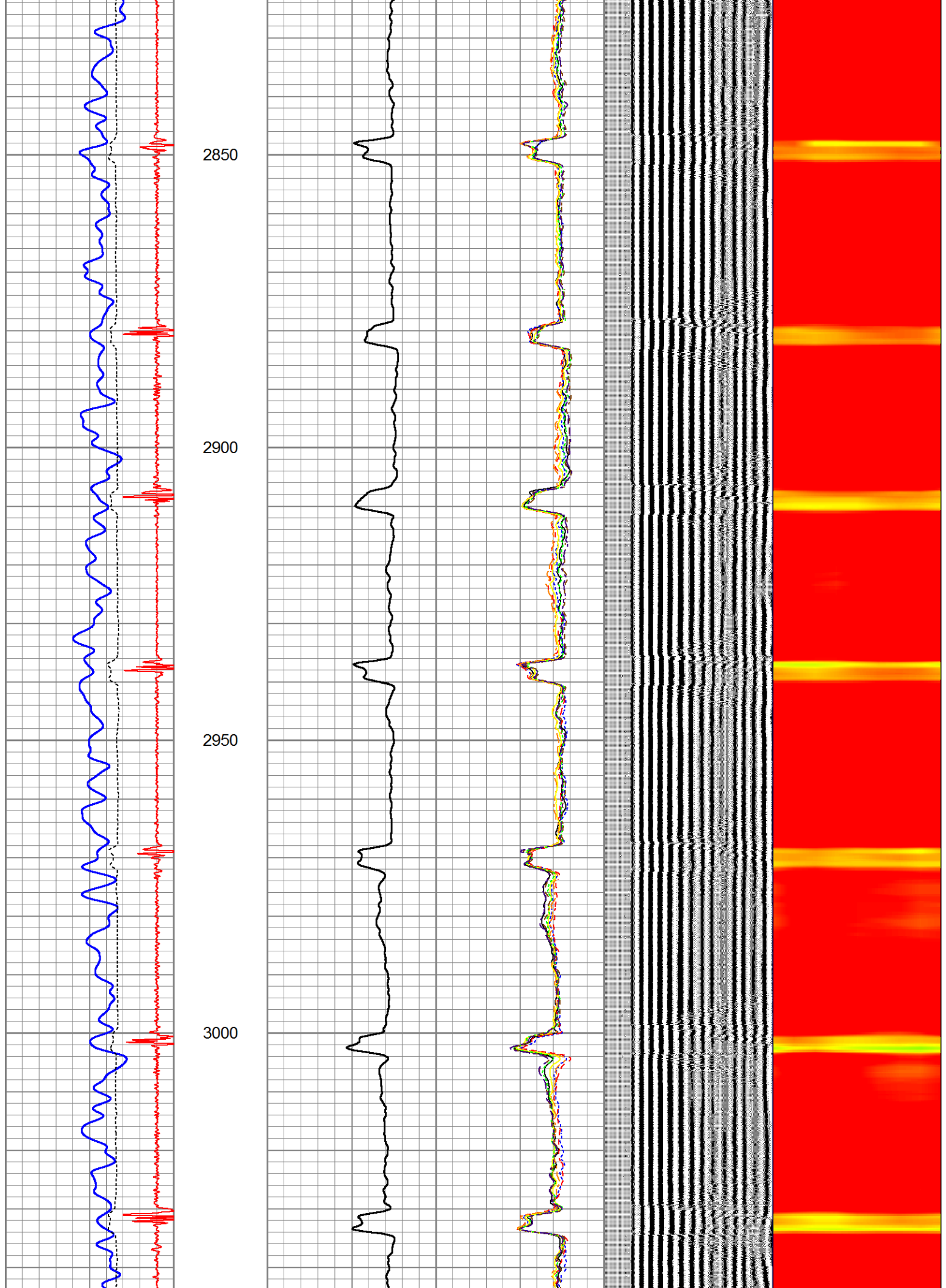


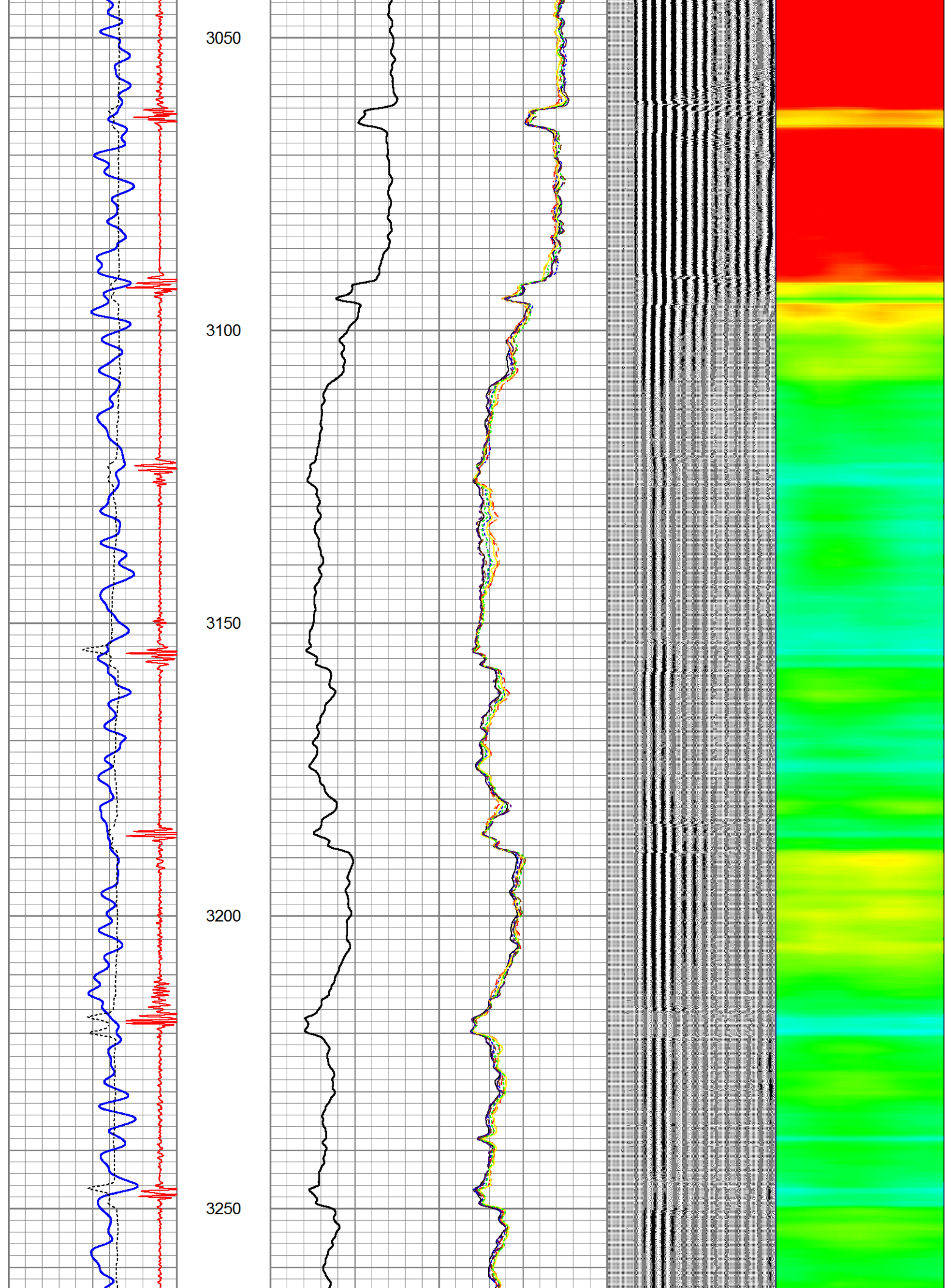


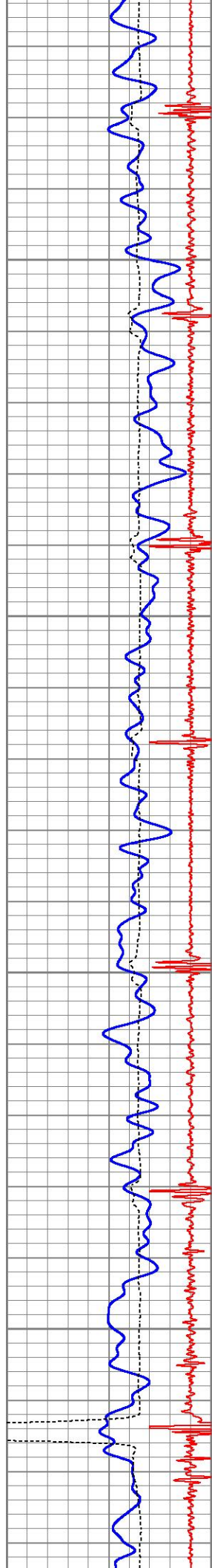










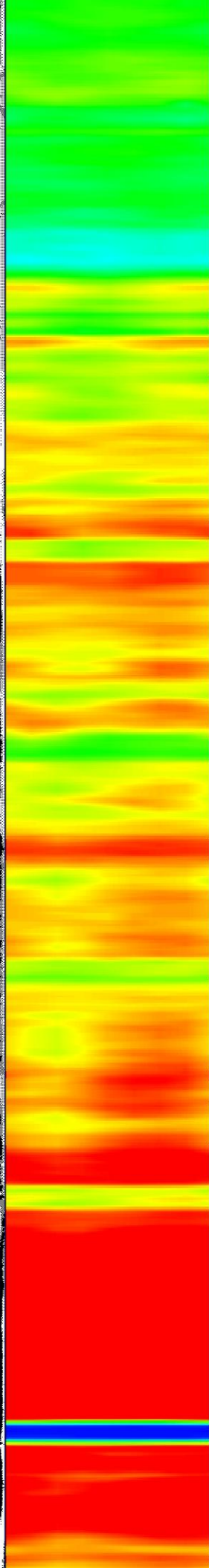
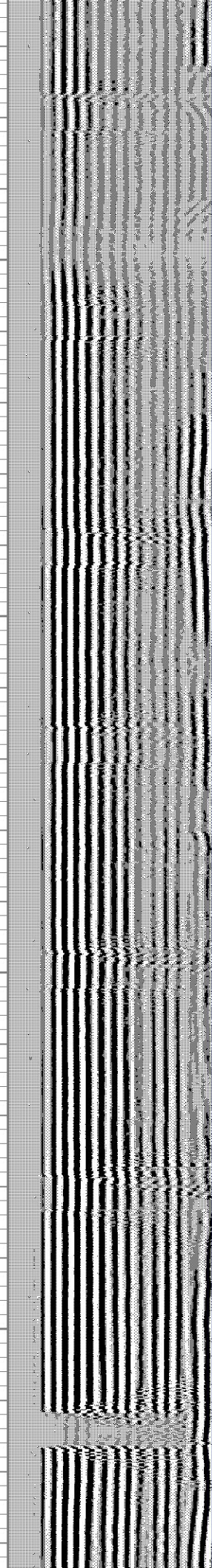
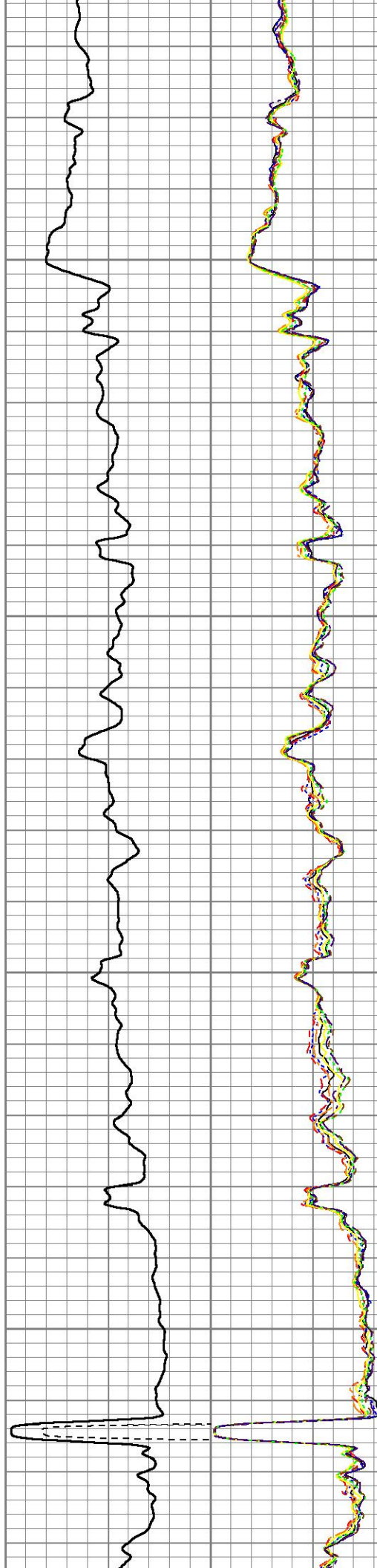


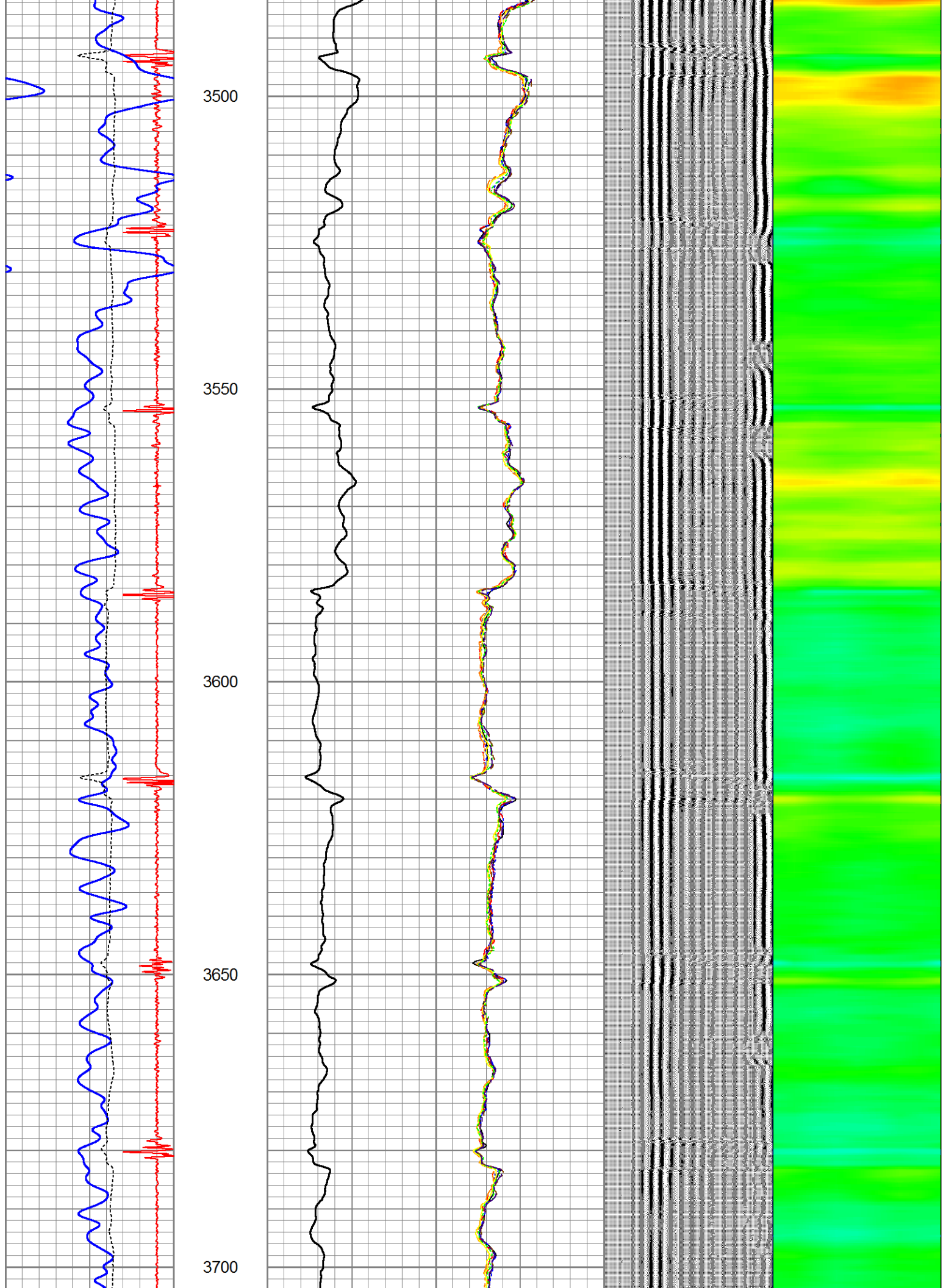
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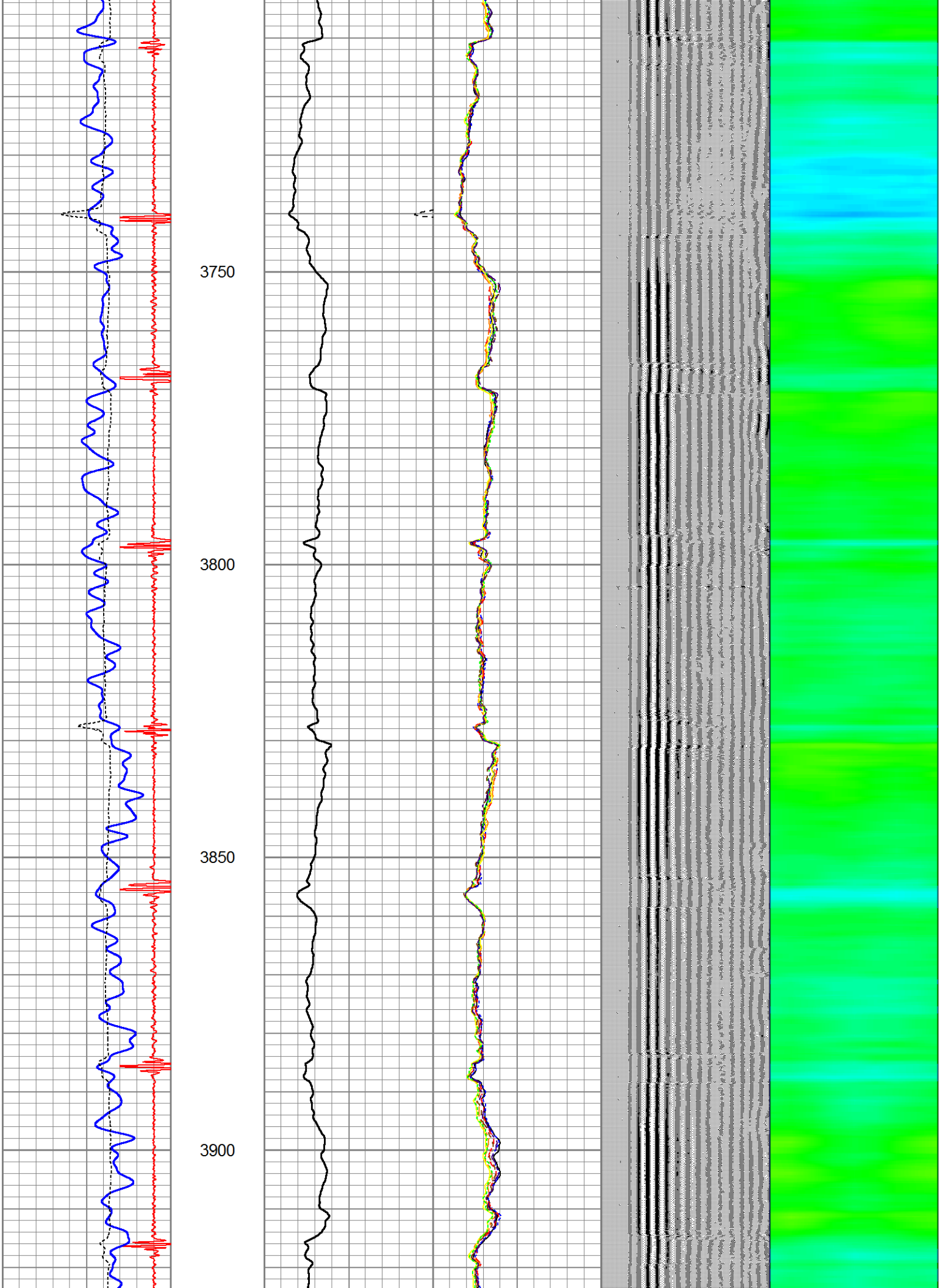
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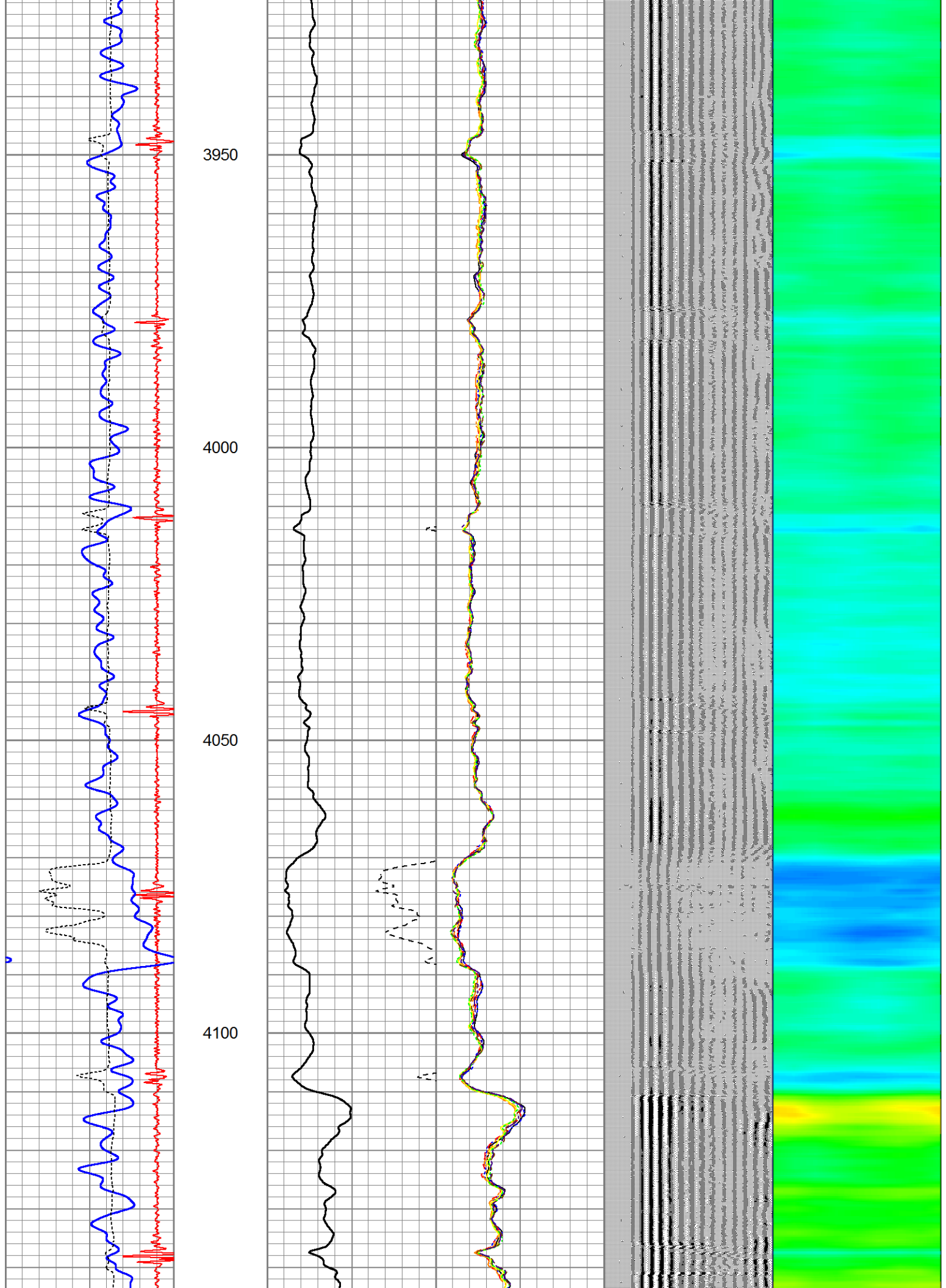
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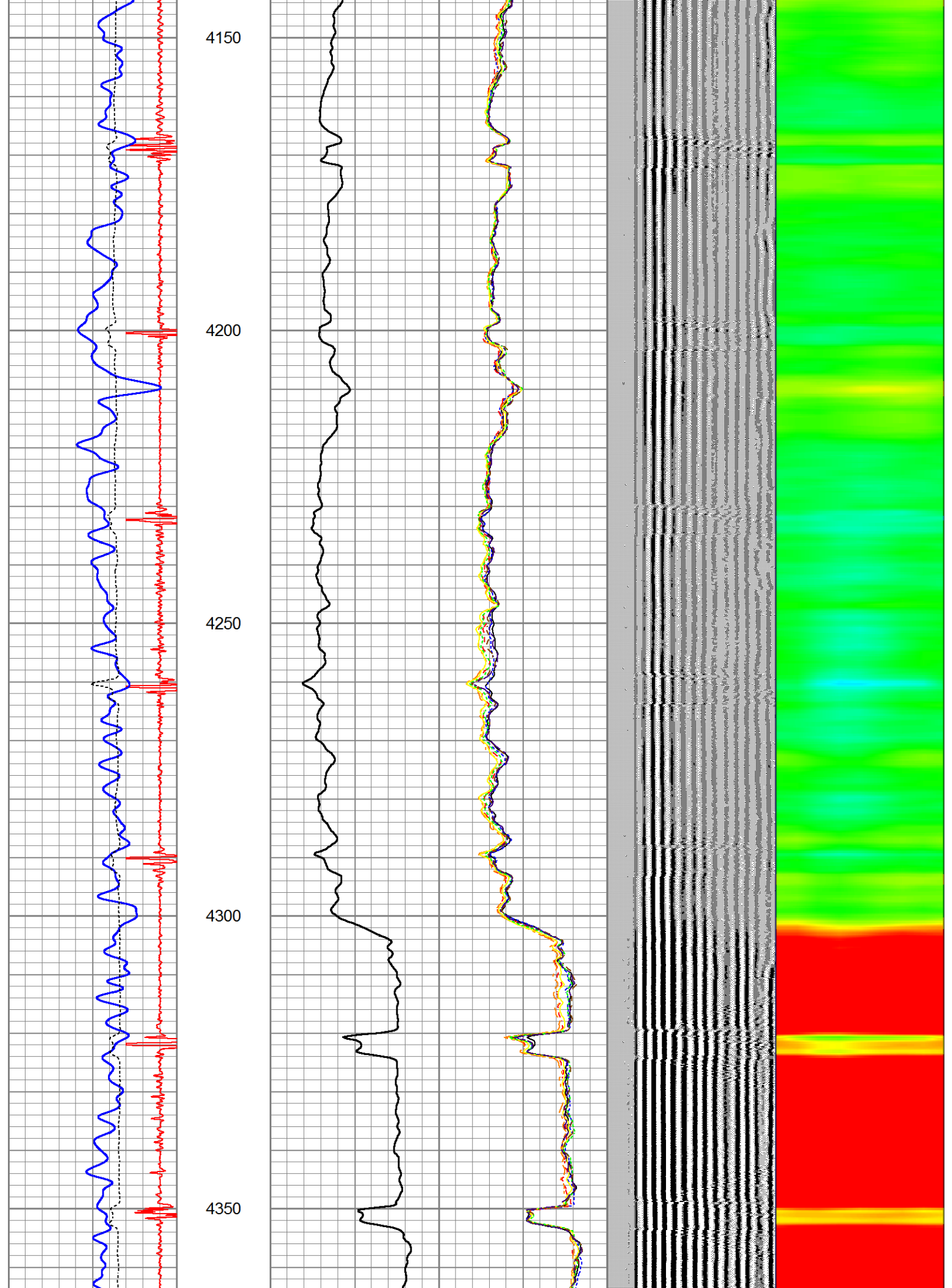
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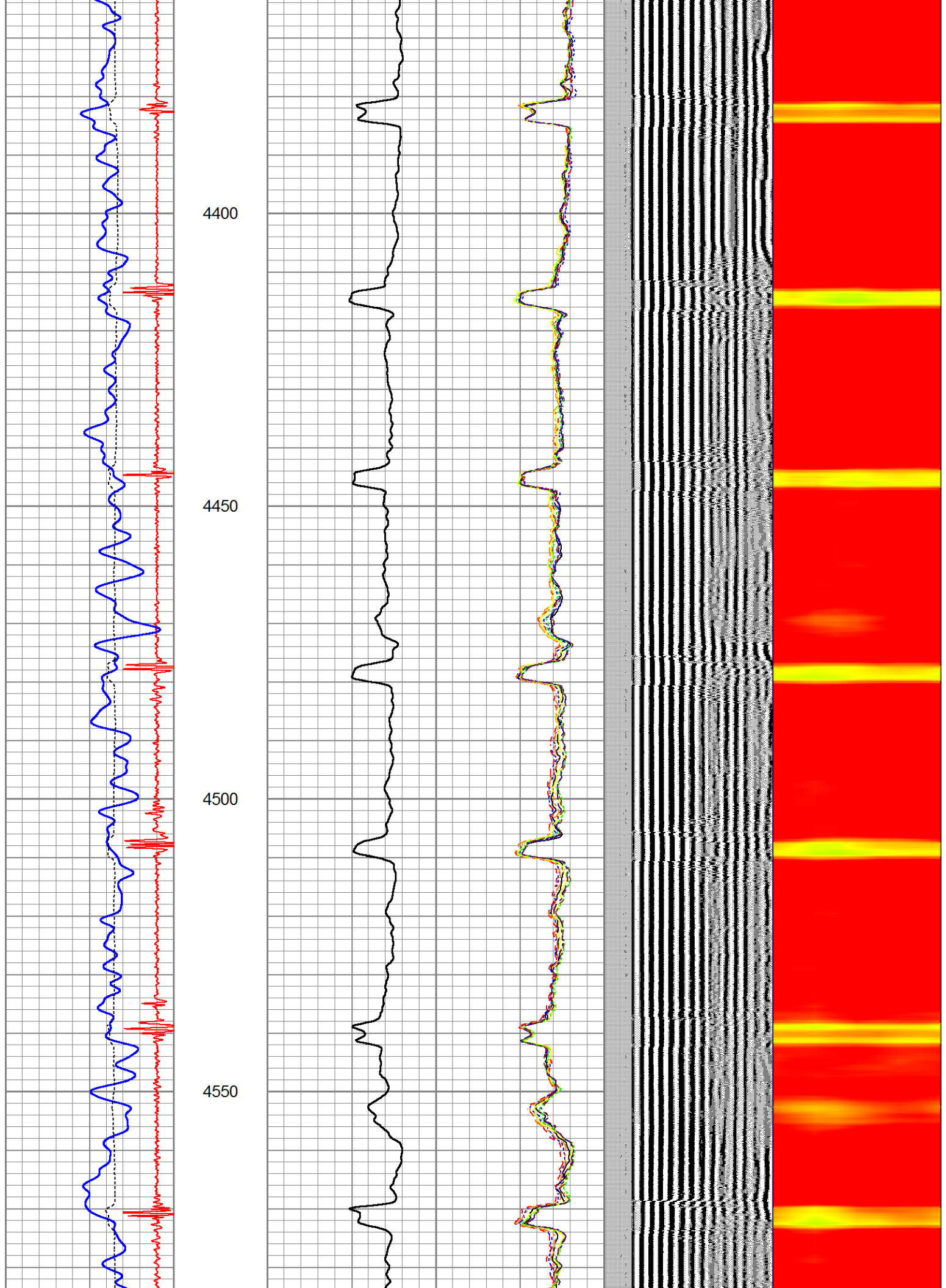


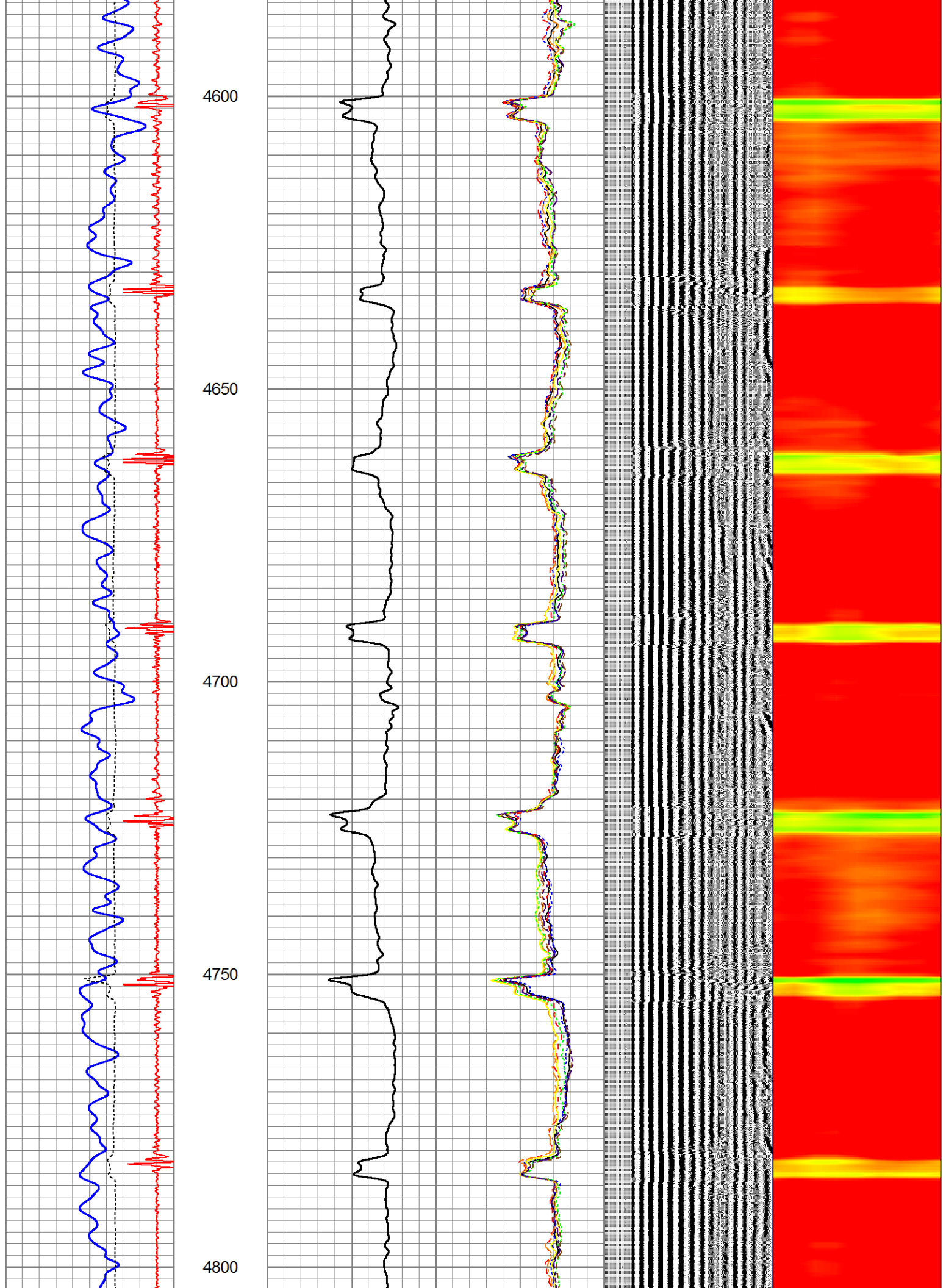


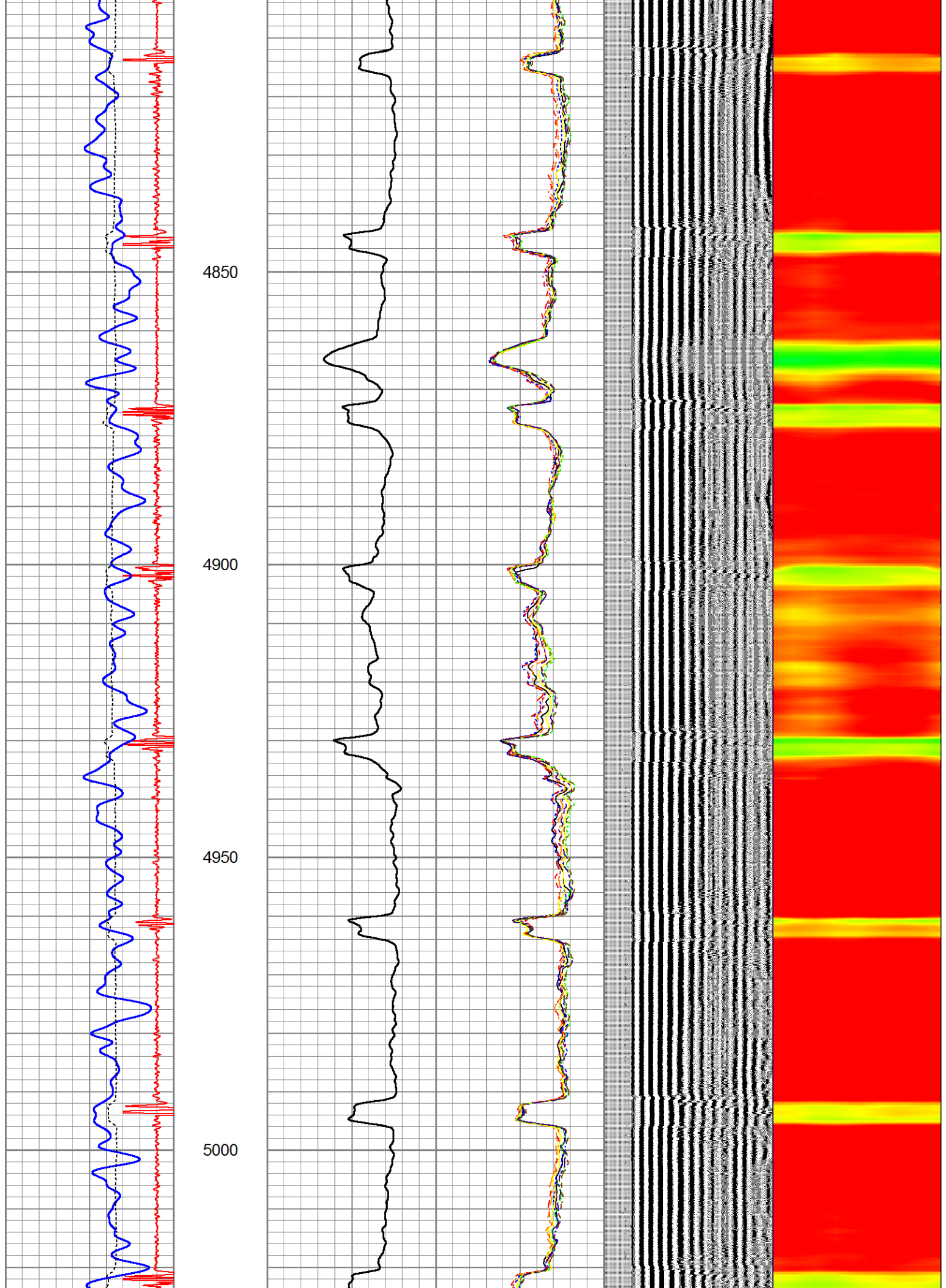


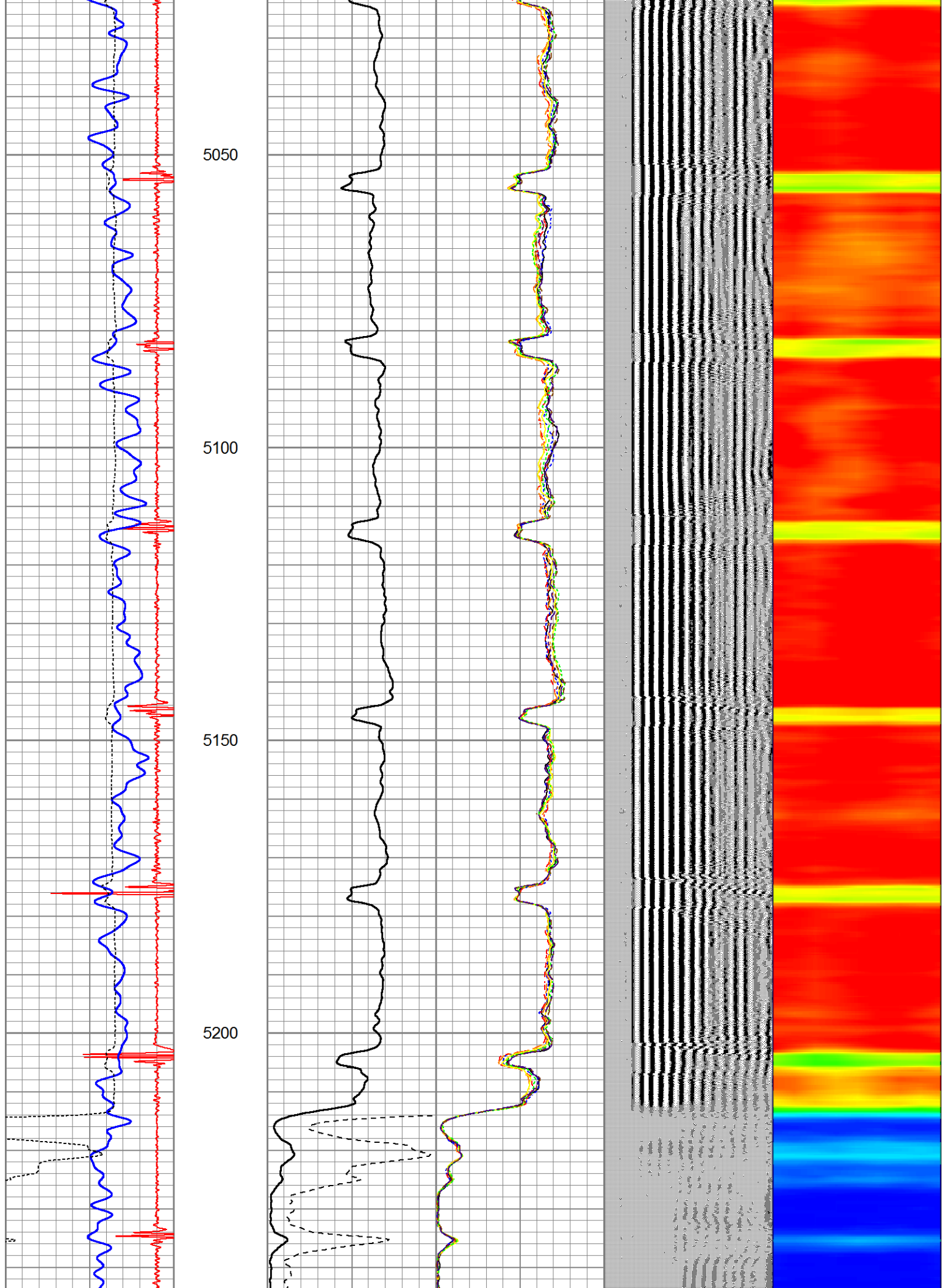


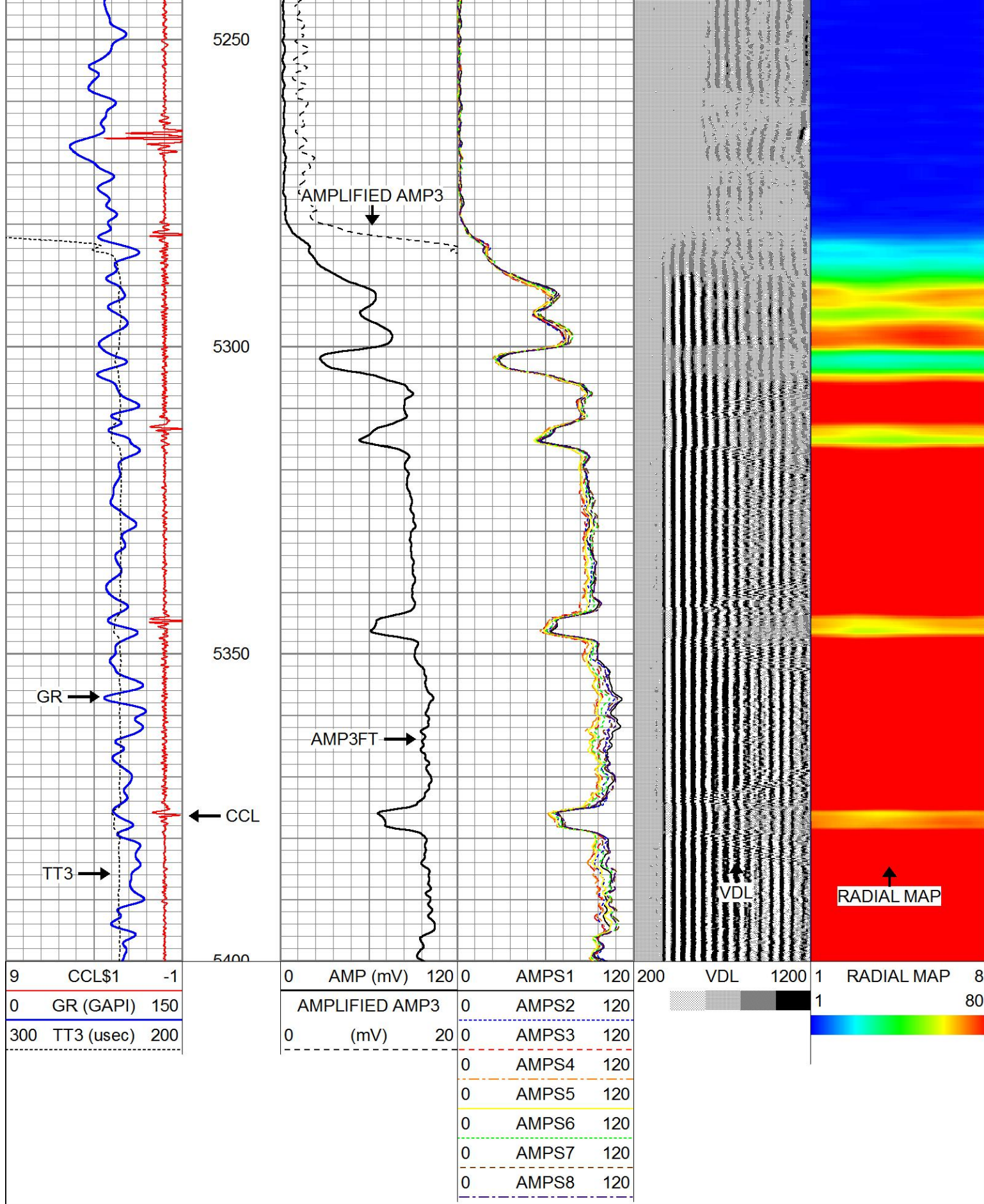












Calibration Report

Database File rothe state b 36-7.db
 Dataset Pathname pass14
 Dataset Creation Thu Jul 30 13:12:10 2020

Gamma Ray Calibration Report

Serial Number:	FW1806-005	
Tool Model:	GCT275	
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:	FW1804-090	
Tool Model:	Probe 170	
Calibration Casing Diameter:	2.875	in
Calibration Depth:	5395.117	ft

Master Calibration, performed Thu Jul 30 12:55:28 2020:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	2.003	1.000	106.451	52.634	1.000
CAL	0.000	2.499				
5'	0.000	1.295	1.000	106.451	81.443	1.000
SUM						
S1	0.000	1.934	0.000	106.451	55.046	0.000
S2	0.000	1.983	0.000	106.451	53.687	0.000
S3	0.000	2.020	0.000	106.451	52.707	0.000
S4	0.000	2.023	0.000	106.451	52.617	0.000
S5	0.000	1.944	0.000	106.451	54.765	0.000
S6	0.000	1.908	0.000	106.451	55.783	0.000
S7	0.000	1.996	0.000	106.451	53.330	0.000
S8	0.000	1.992	0.000	106.451	53.451	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	2.499	1.000	0.000

Air Zero Calibration, performed (Not Performed):

	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	