



**Radial Cement Bond
Variable Density Log
w/ Gamma Ray/CCL**

Company Bayswater
Well Matrix M-29HN
Field Wattenberg
County Weld
State Colorado

Location: API #: 05-123-40698
Lat: 40.452602 Long: -104.688464
SEC 29 TWP 6N RGE 65W
Permanent Datum Ground Level Elevation 4708'
Log Measured From Kelly Bushing 0' APD
Drilling Measured From Kelly Bushing
Other Services: None
Elevation: K.B. D.F. G.L. 4708'

Date	March 24, 2015						
Run Number	1						
Depth Driller	-						
Depth Logger	6662'						
Bottom Logged Interval	6652'						
Top Log Interval	Surface						
Open Hole Size	8 3/4"						
Type Fluid	Fresh Water						
Density / Viscosity	8.33#						
Max. Recorded Temp.	-						
Estimated Cement Top	592'						
Time Well Ready	14:26						
Time Logger on Bottom	14:56						
E equipment Number	13033						
Location	Brighton, Co						
Recorded By	Cody Rall						
Witnessed By	Jack Bruner						
Borehole Record							
Run Number	Bit	From	To	Size	Weight	From	To
Conductor							
Surface							
Intermediate							
Production							
Casing Record							
Surface String	Size	Wgt/ft		Top		Bottom	
Prot. String							
P production String	7"	26#		Surface		-	
Liner	4 1/2"	11.6#		6677'			
Short Joint							

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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

Primary Log on Well

Logged using 0' KB

Main And Repeat Pass logged w/0 PSI

Estimated Top of Cement @ 592'

Thank You for using Allied-Horizontal Wireline Services
(303) 659-4609



Main Pass (0 PSI)

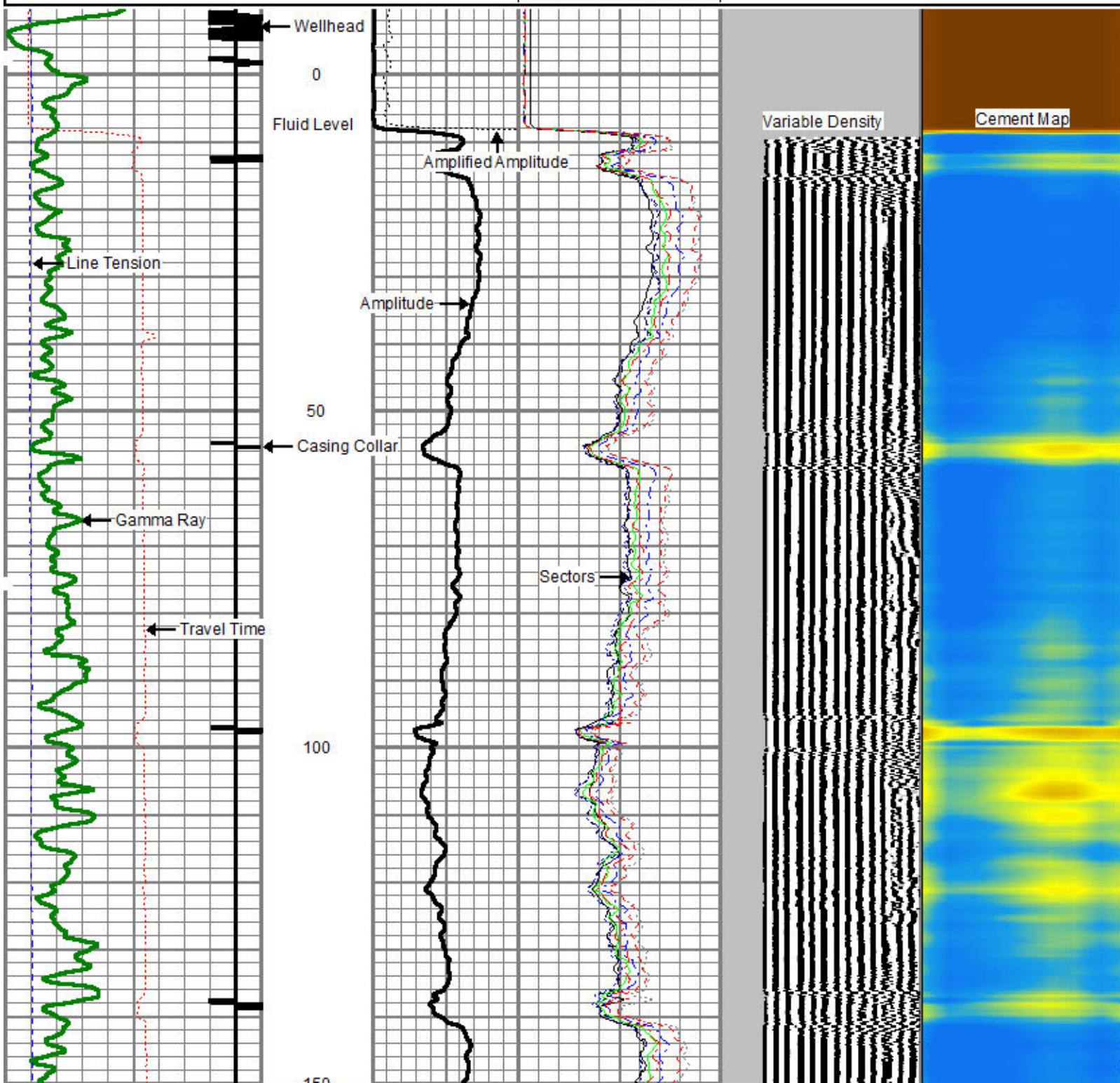
WIRELINE SERVICES

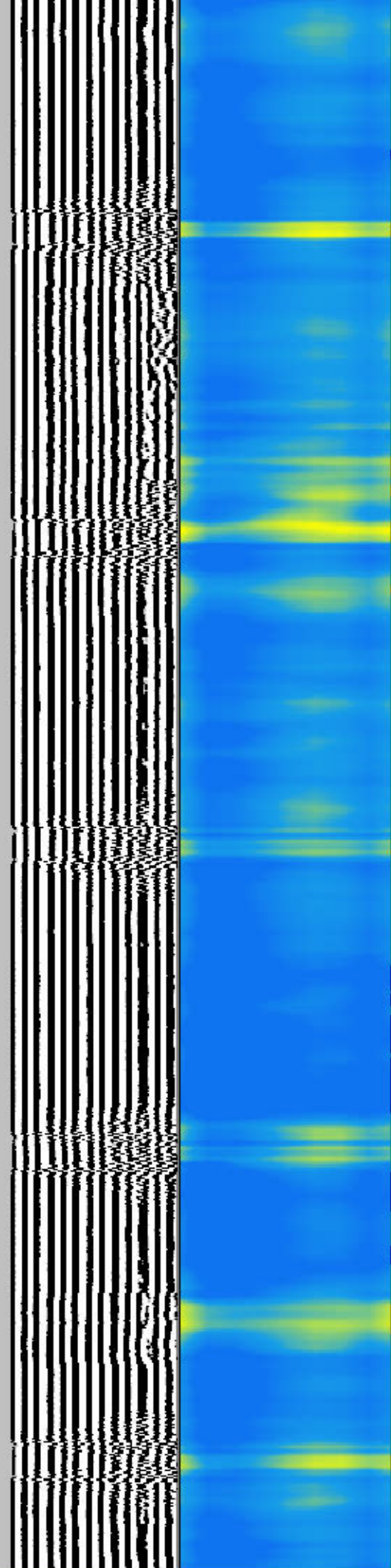
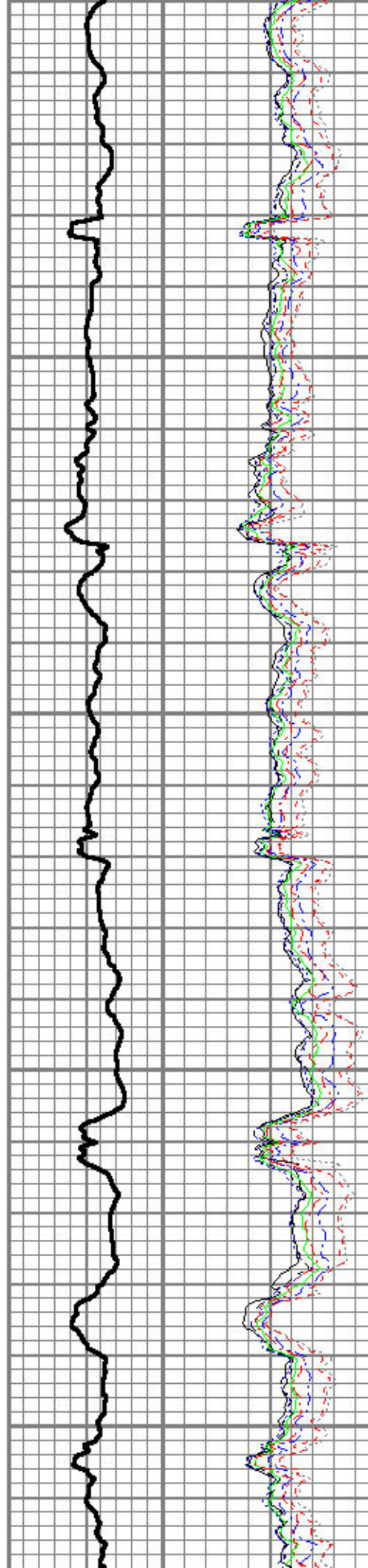
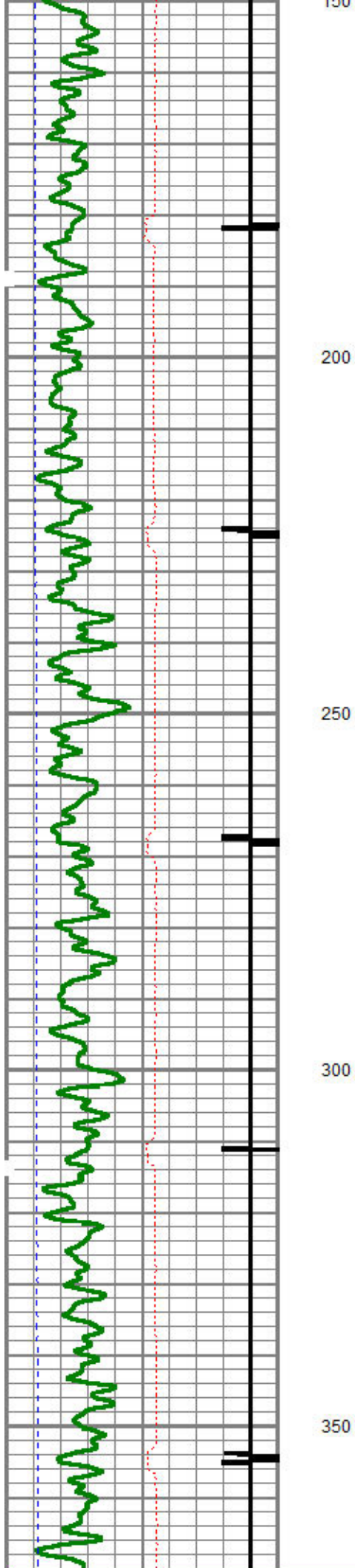
Database File: bayswater matrix m-29hn.db
 Dataset Pathname: pass4
 Presentation Format: scbl03
 Dataset Creation: Tue Mar 24 15:03:04 2015 by Log 0
 Charted by: Depth in Feet scaled 1:240

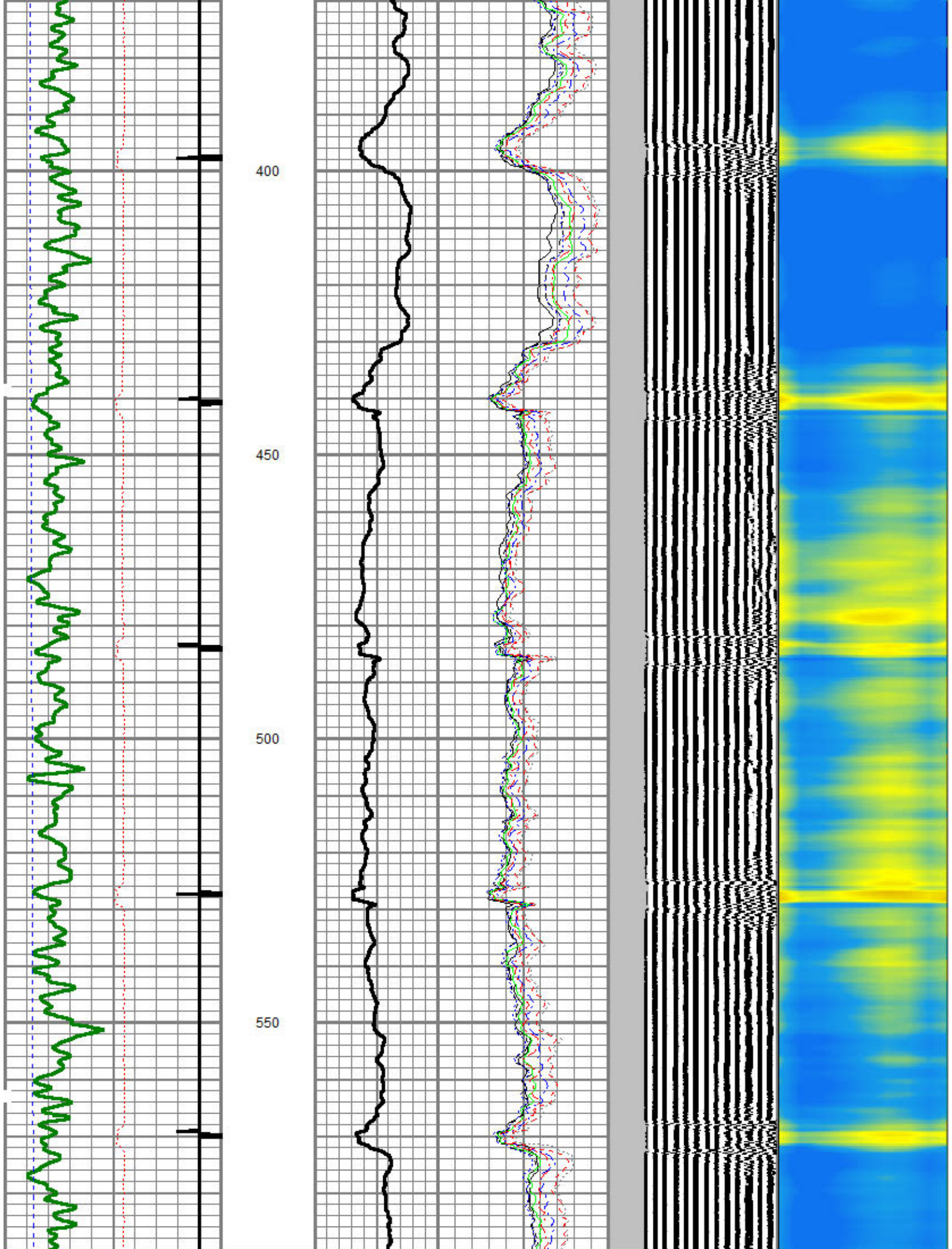
400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

Amplitude	-5	AMPS1	150
0 (mV) 100	-5	AMPS2	150
Amplified Amplitude	-5	AMPS3	150
0 (mV) 10	-5	AMPS4	150
	-5	AMPS5	150
	-5	AMPS6	150
	-5	AMPS7	150
	-5	AMPS8	150

Variable Density	1	Cement Map	8
200	1200	0	100







Estimated Top of Cement

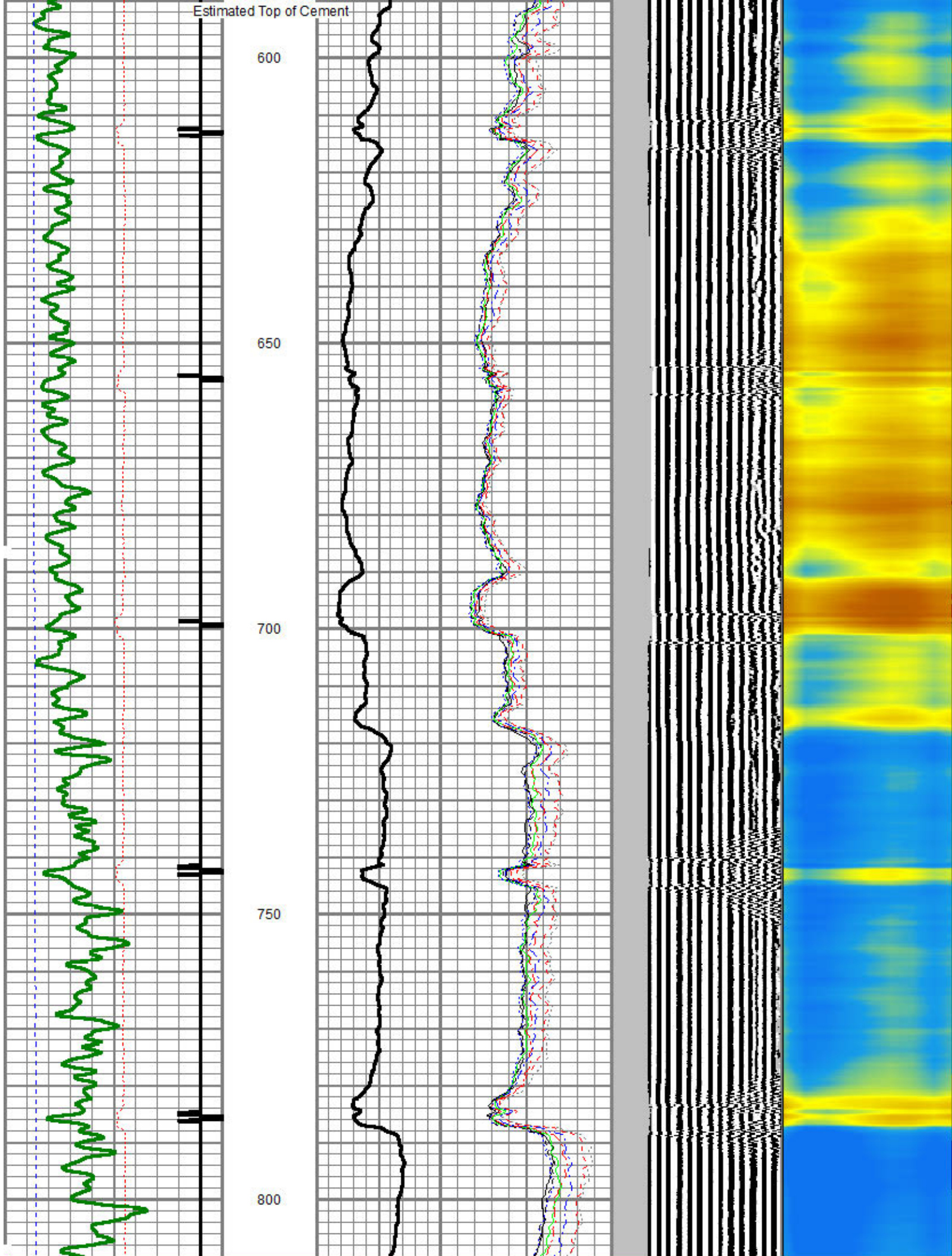
600

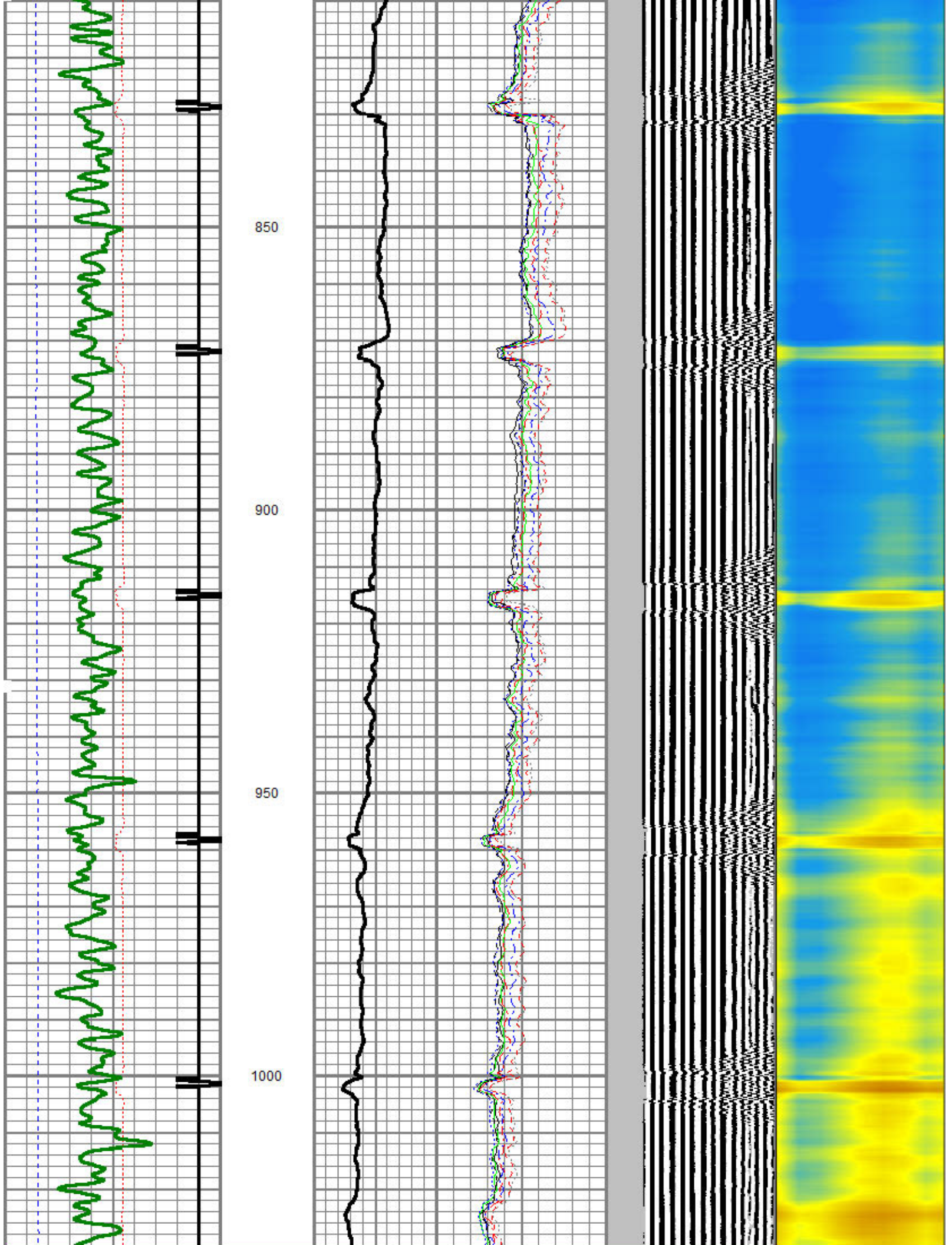
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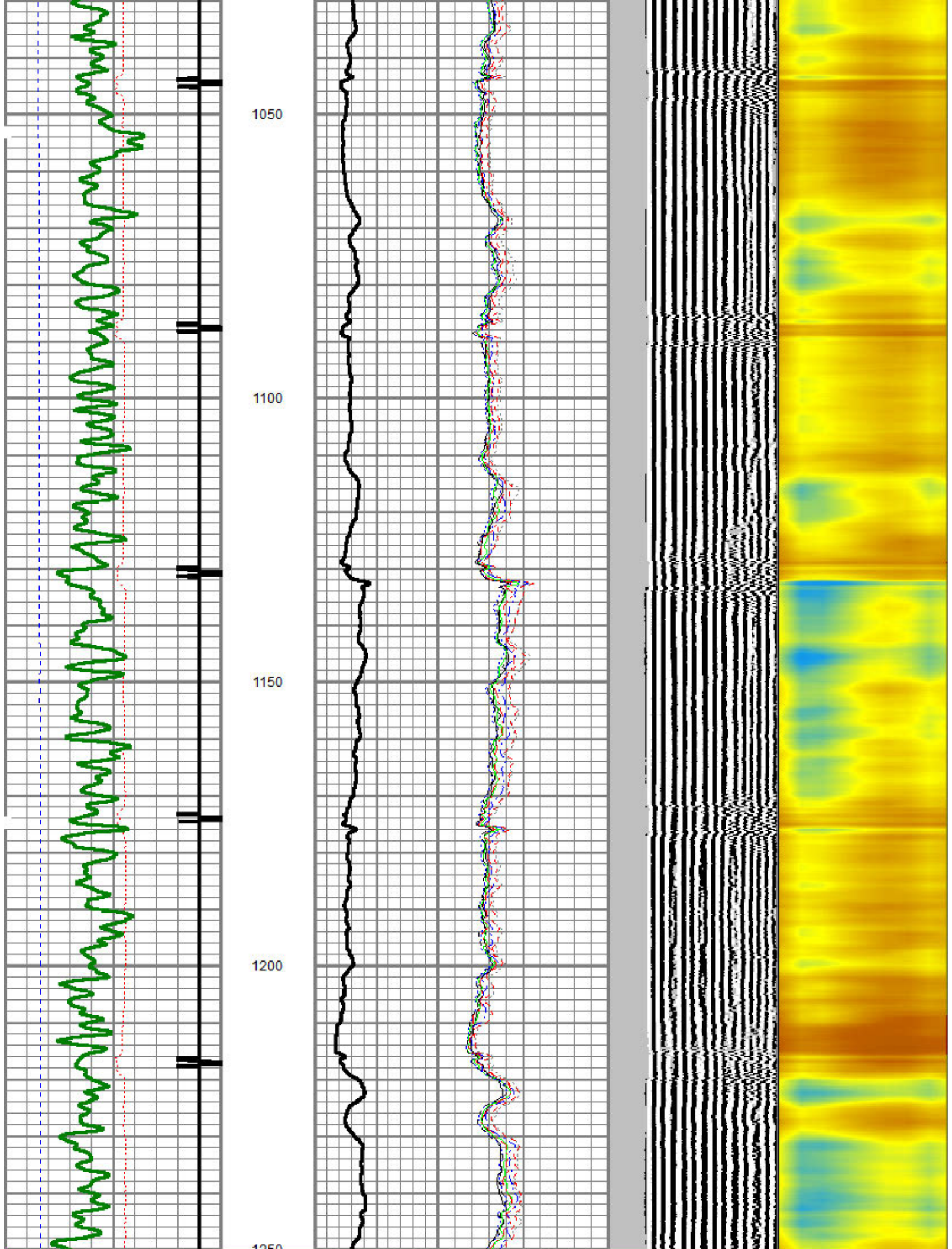
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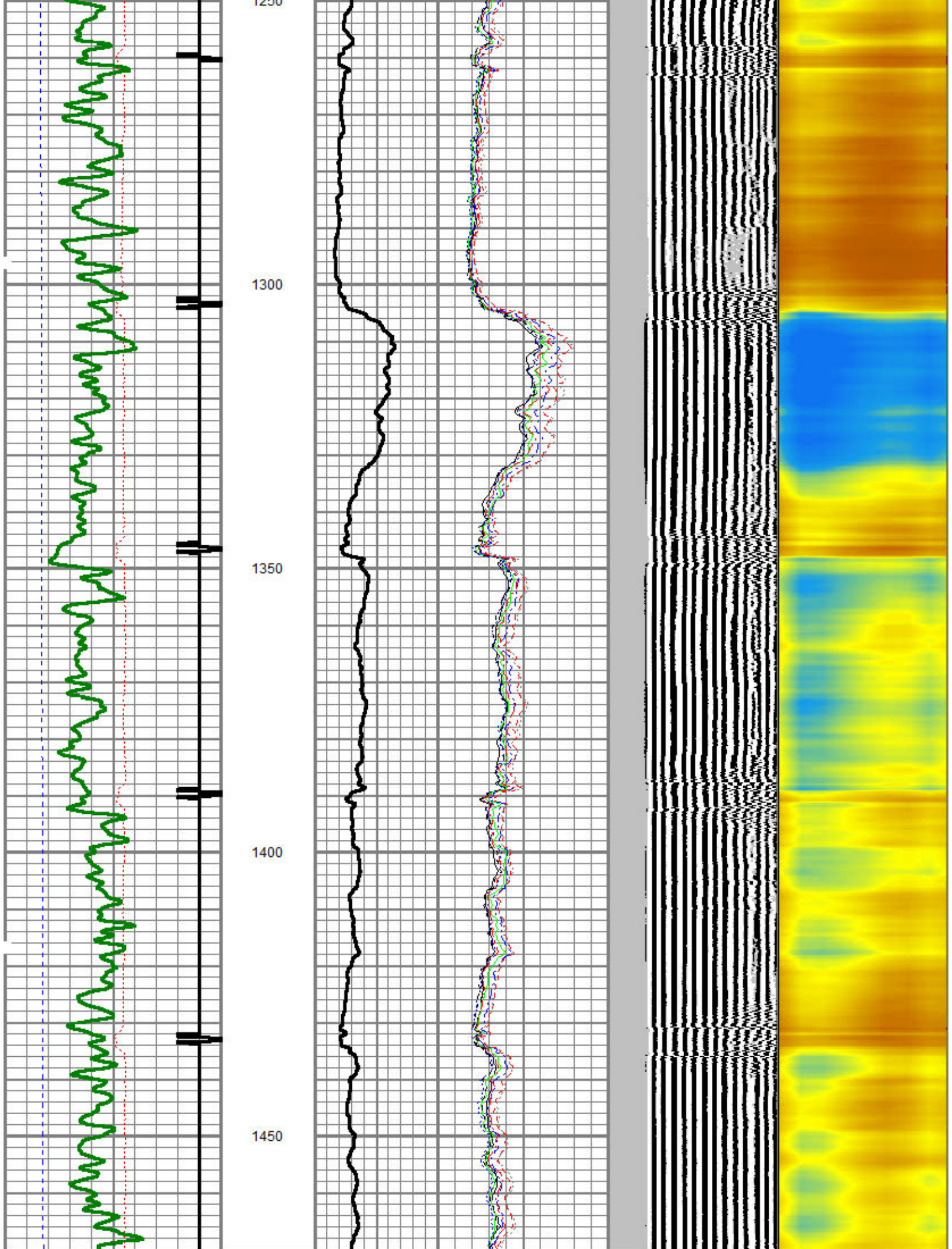
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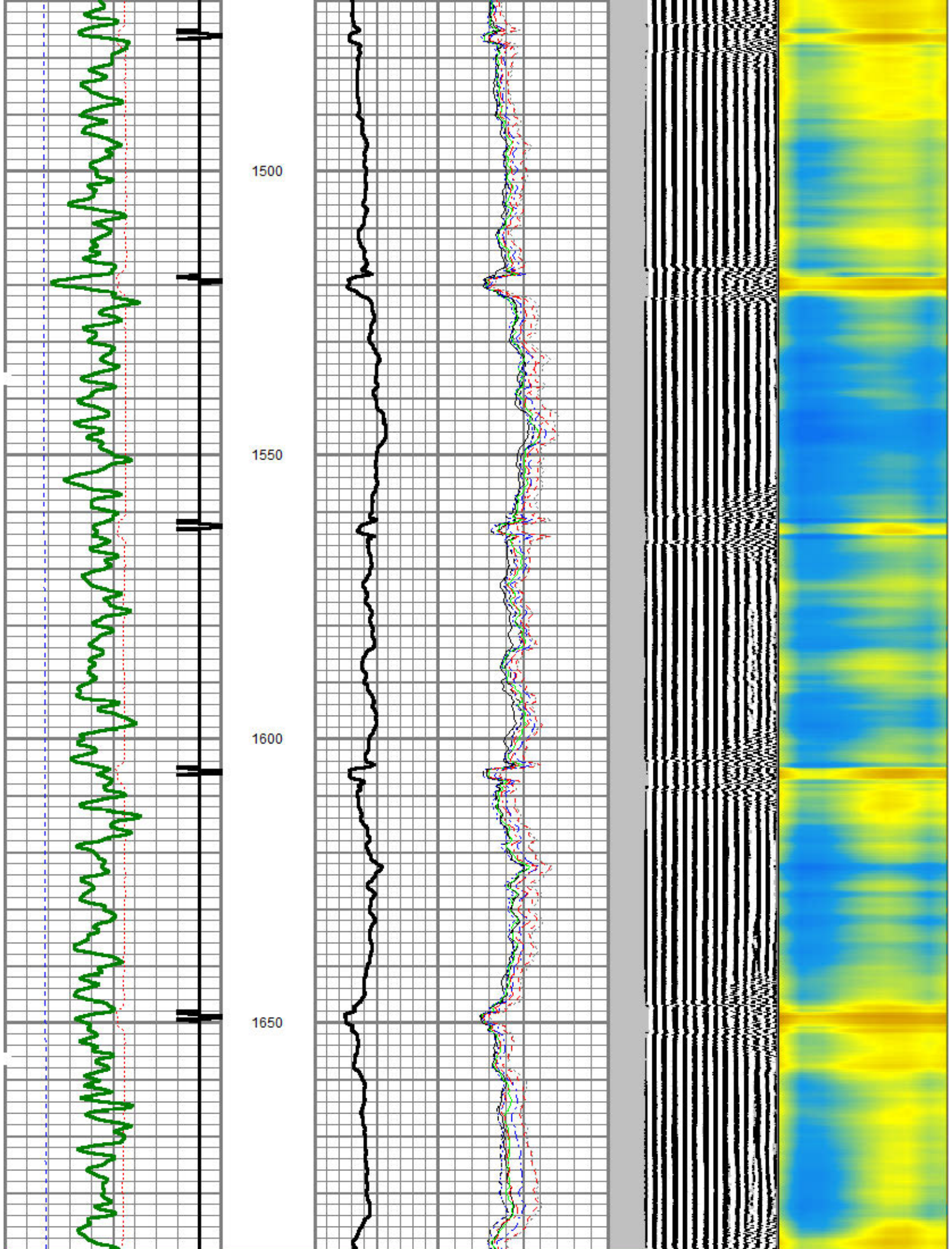
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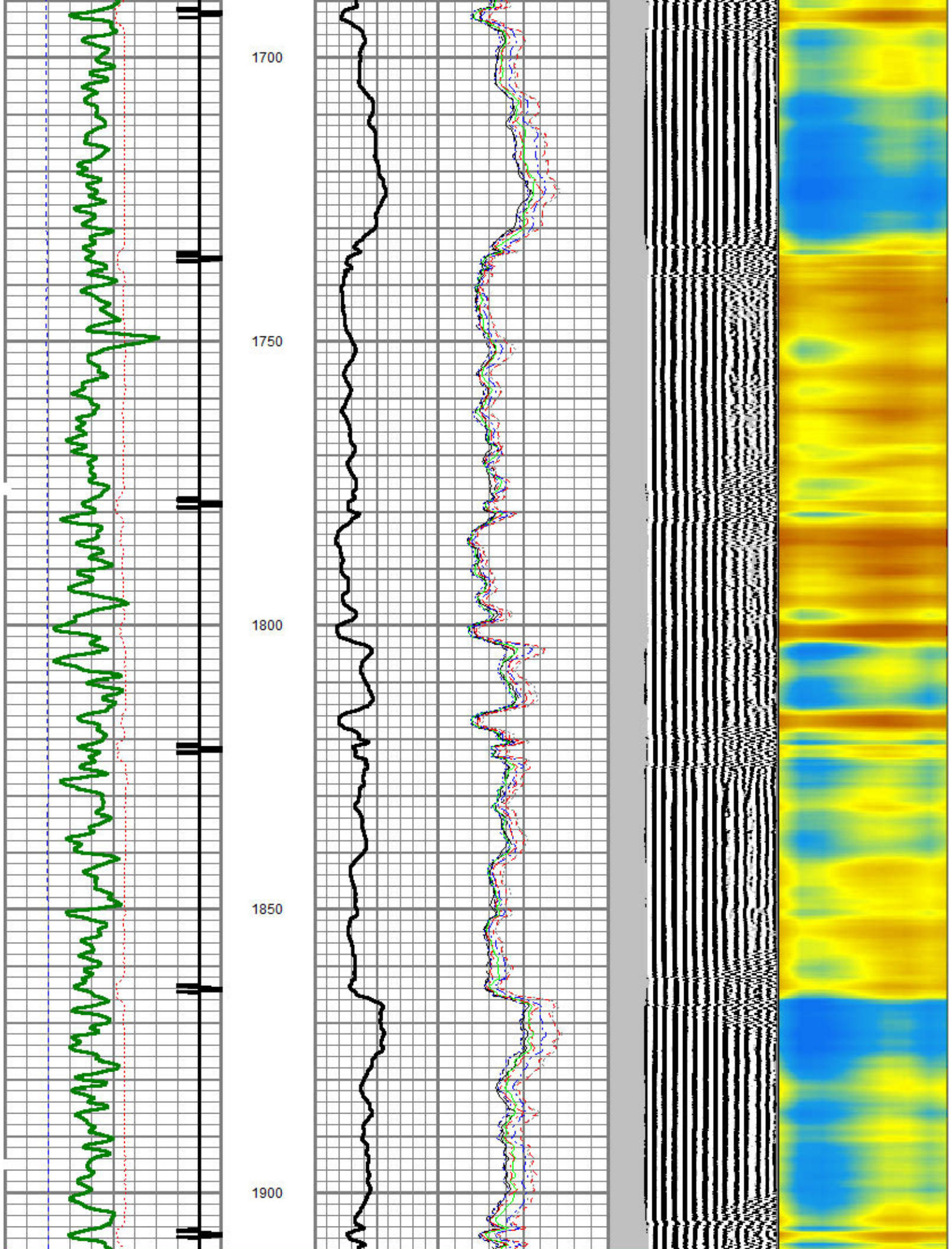


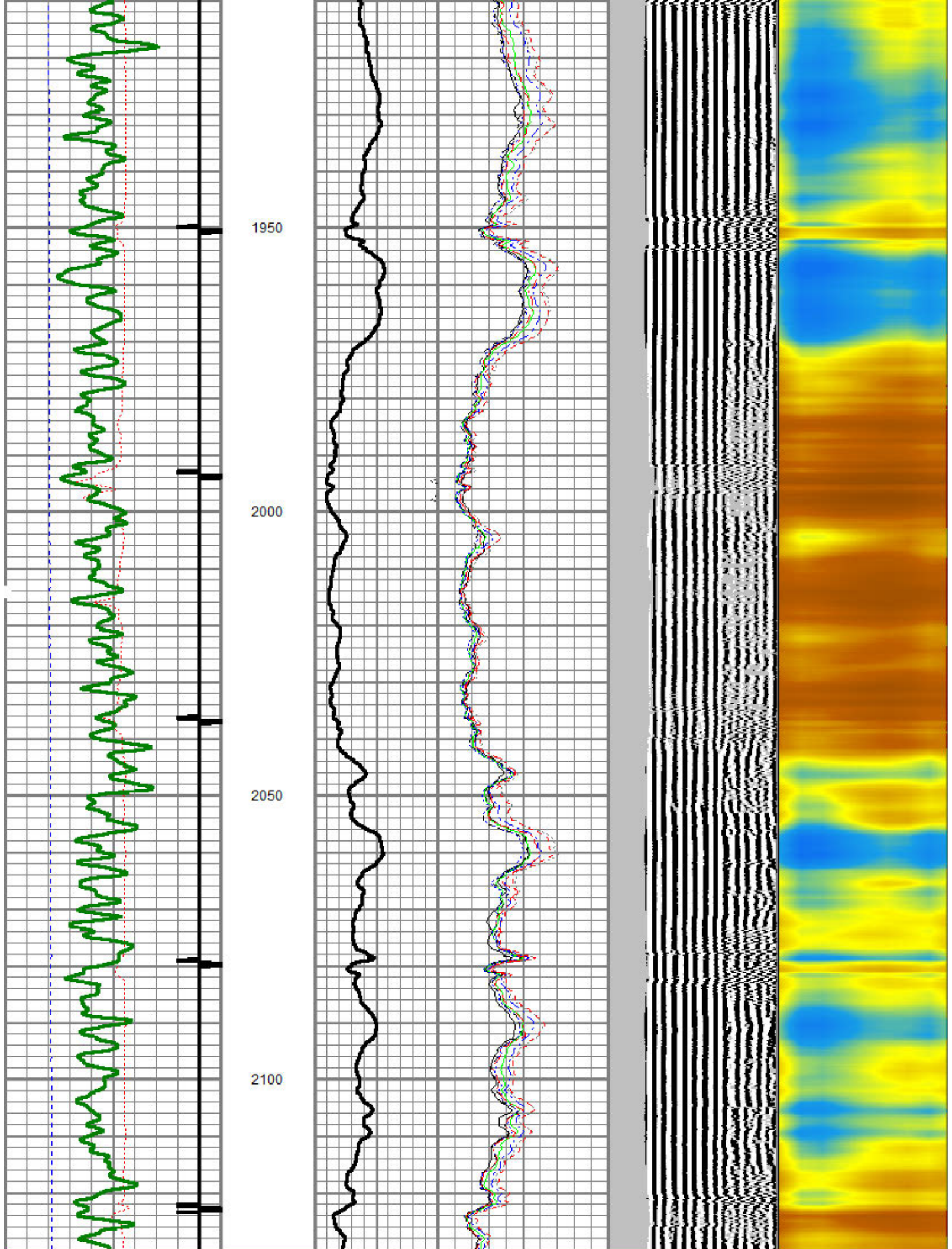


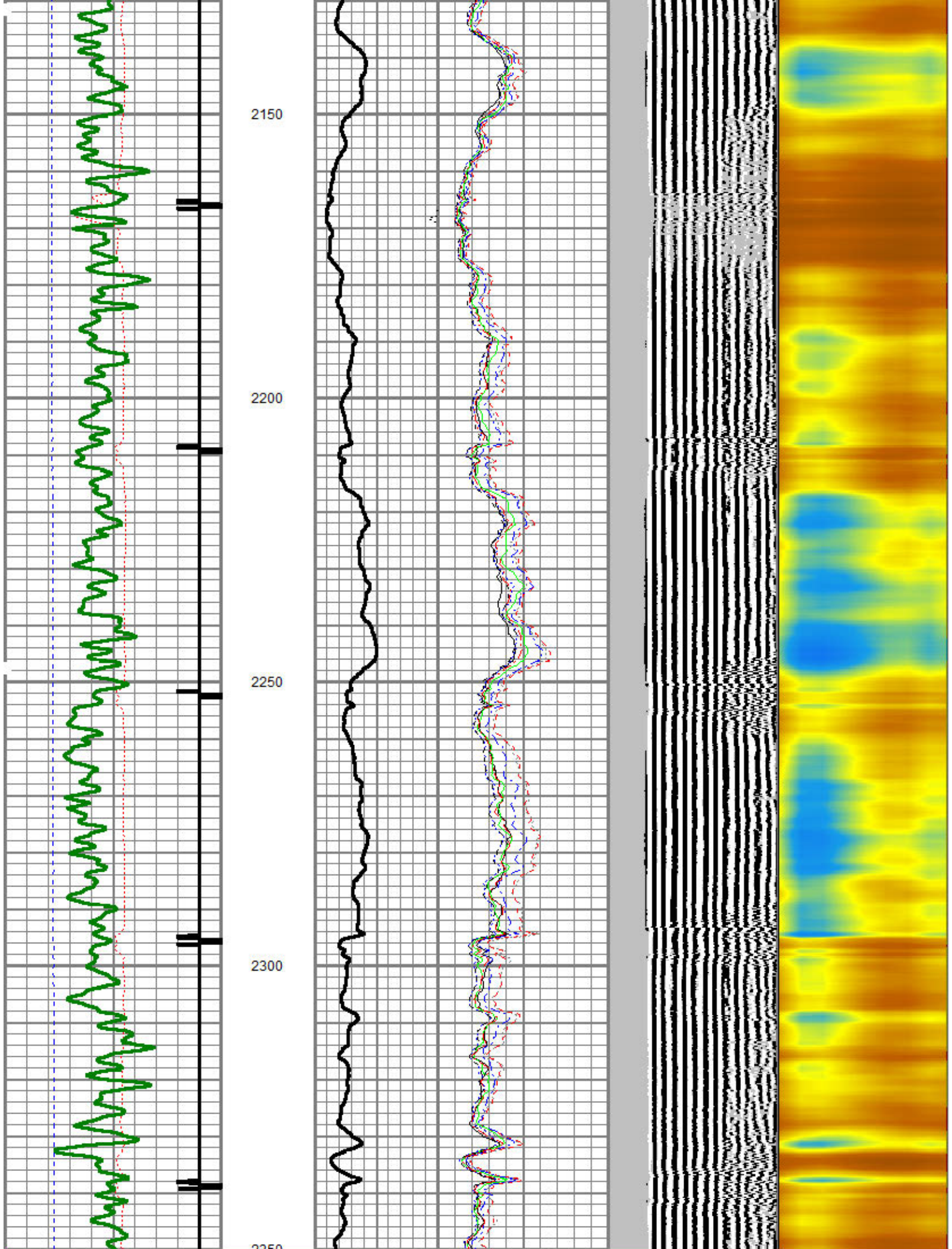


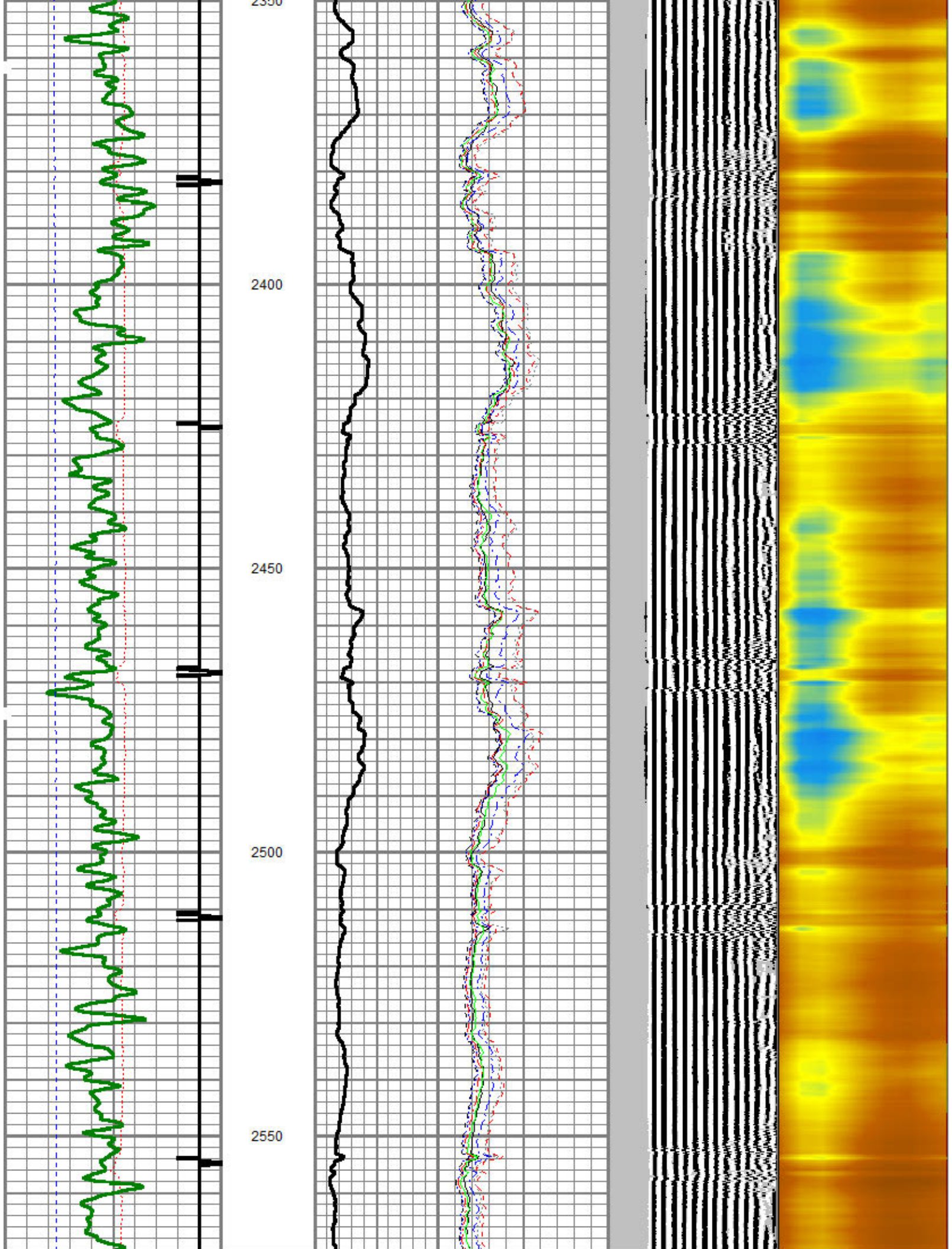


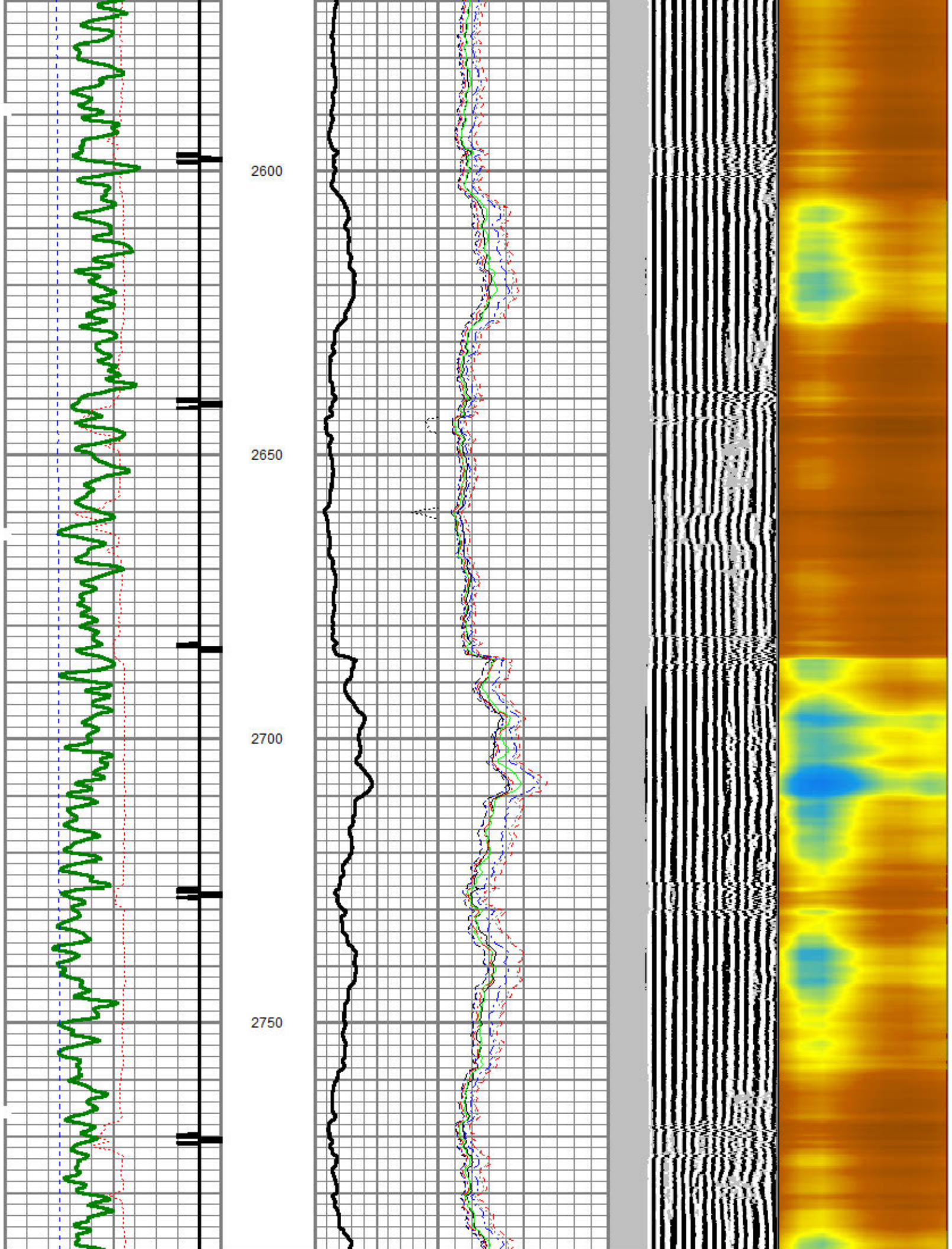


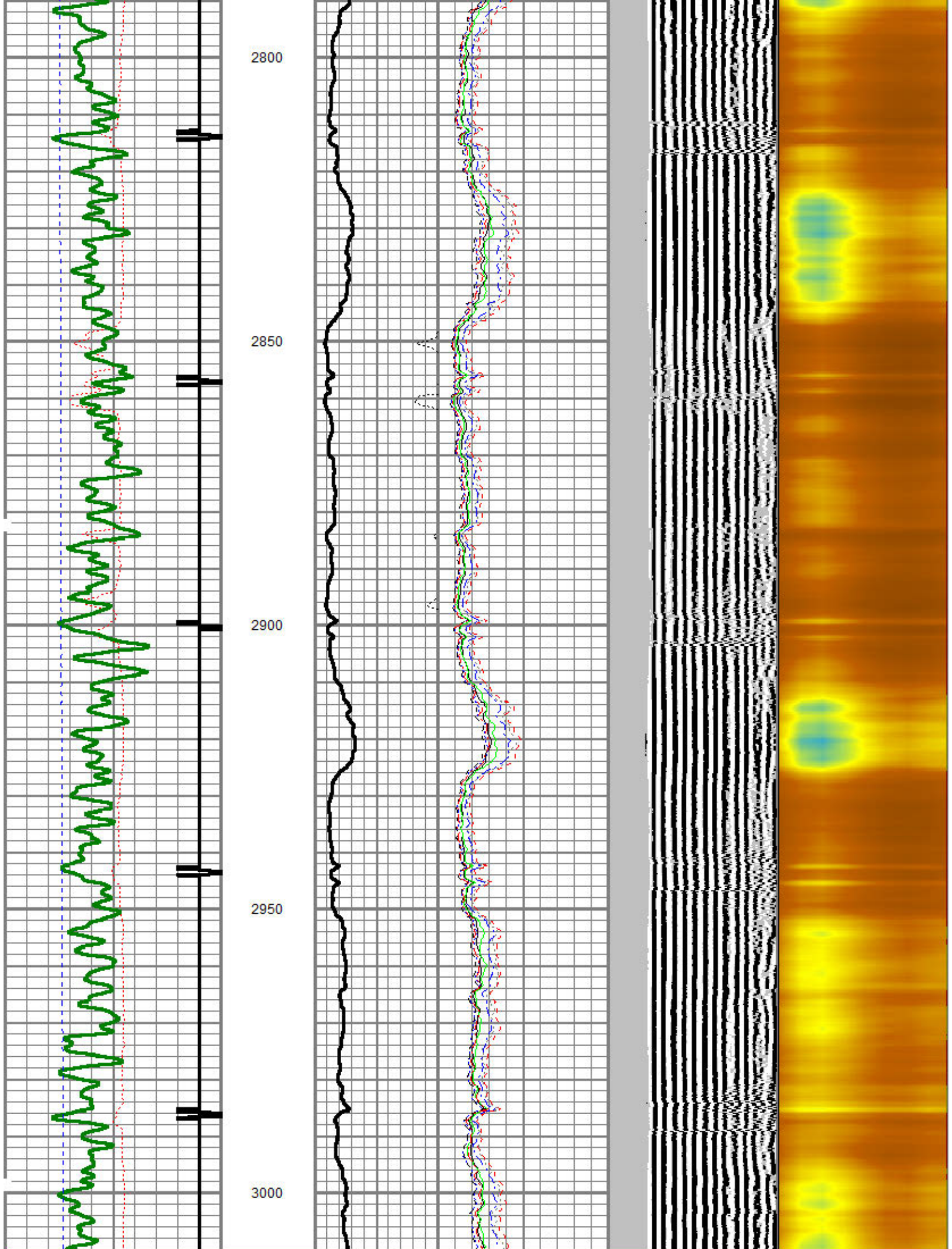


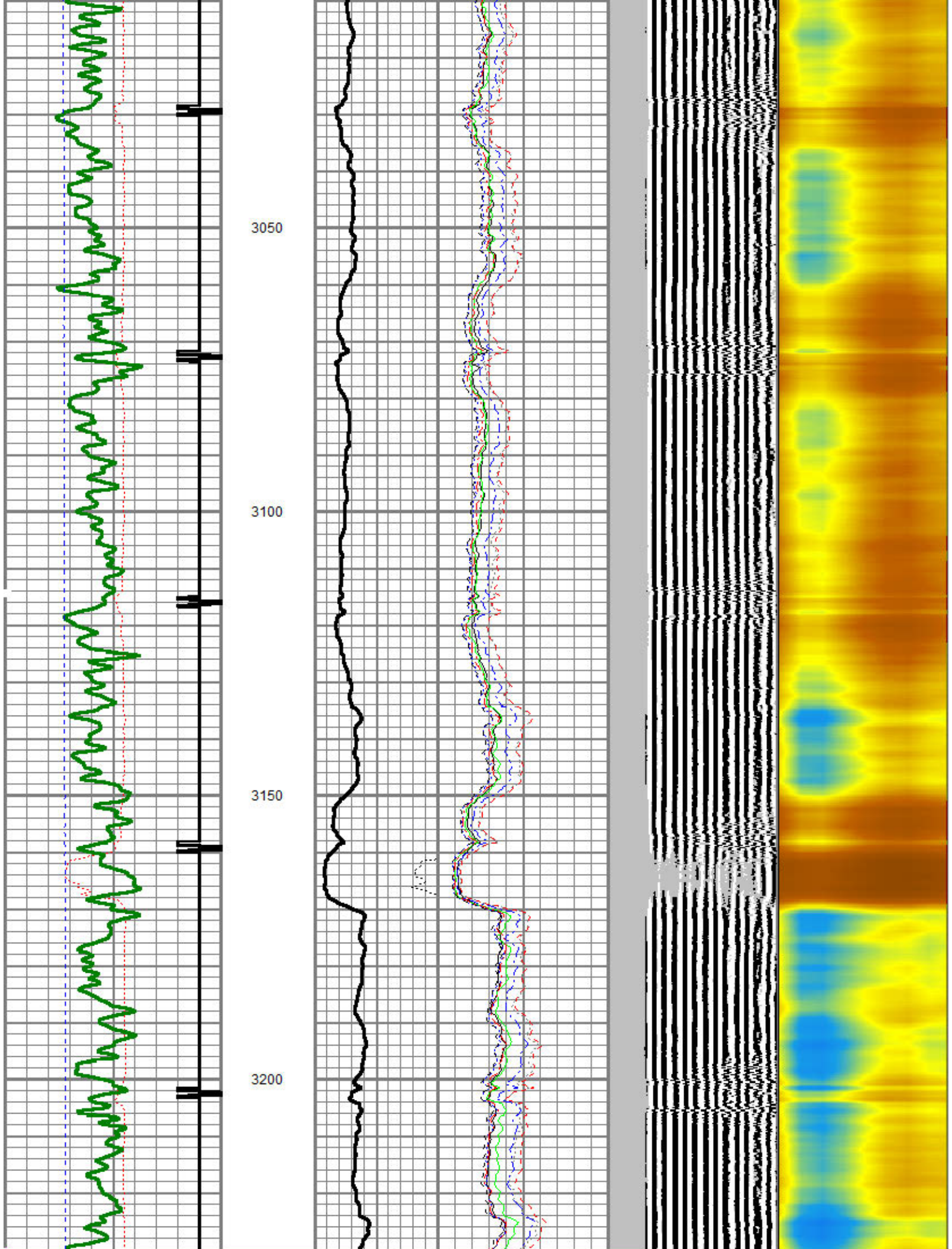


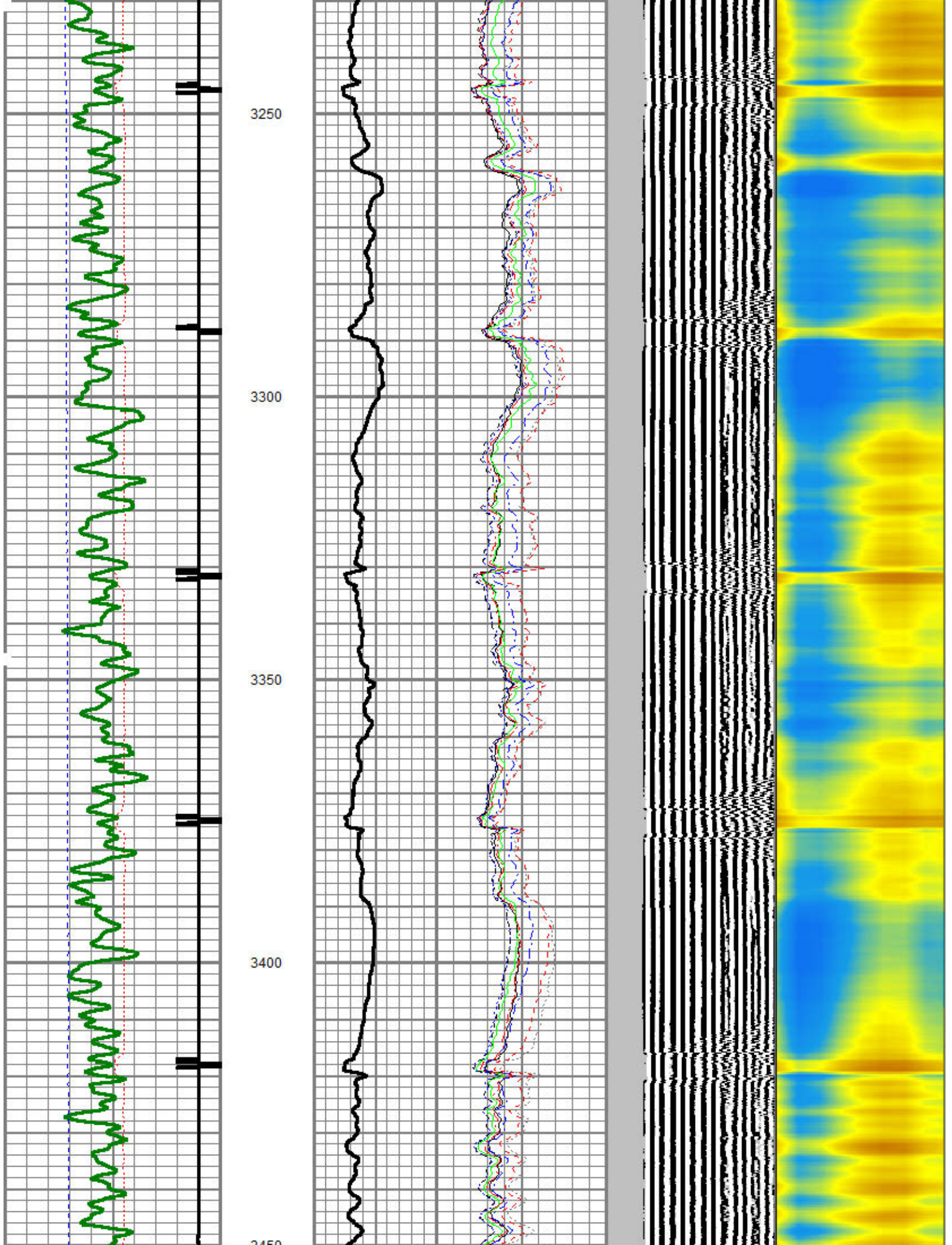


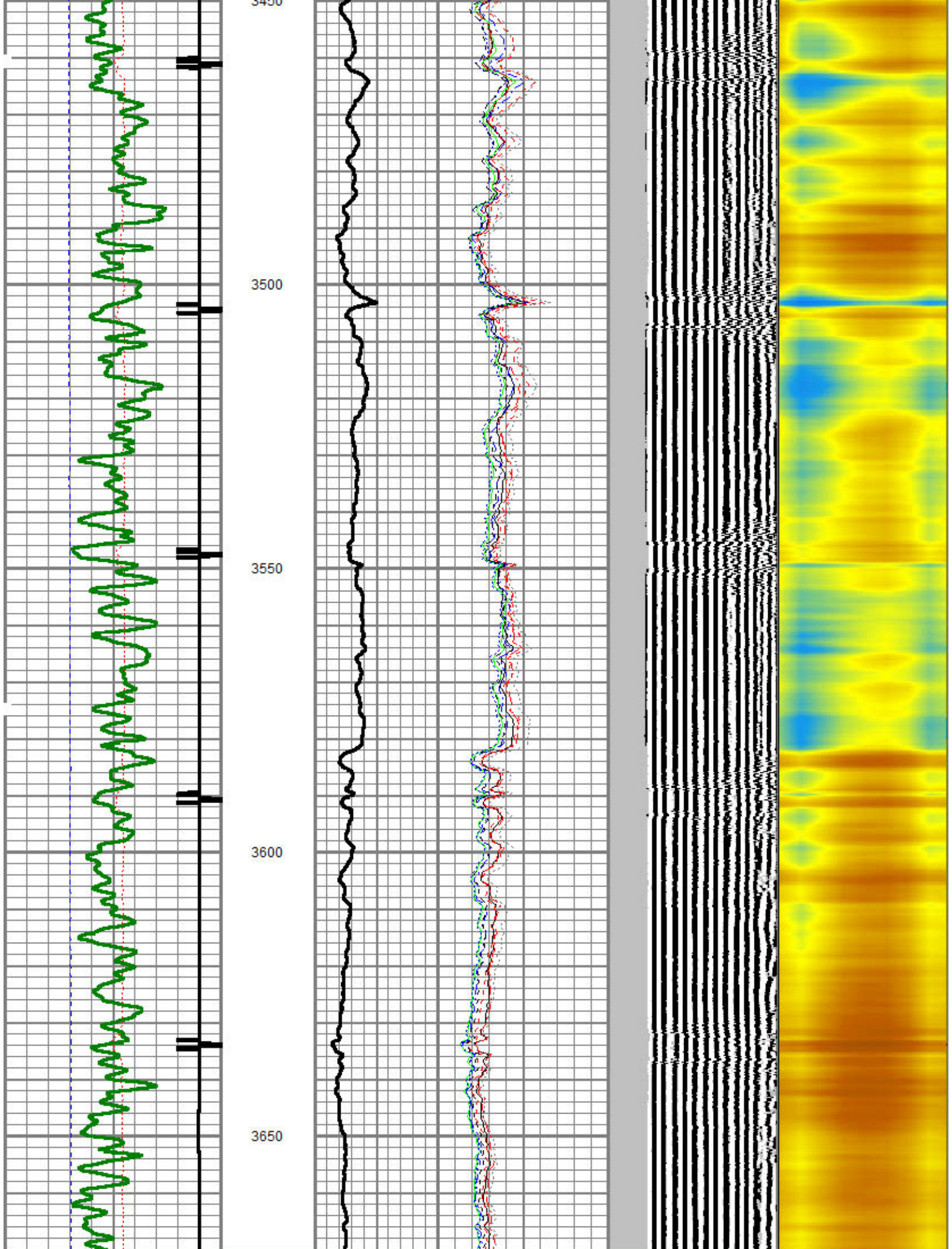


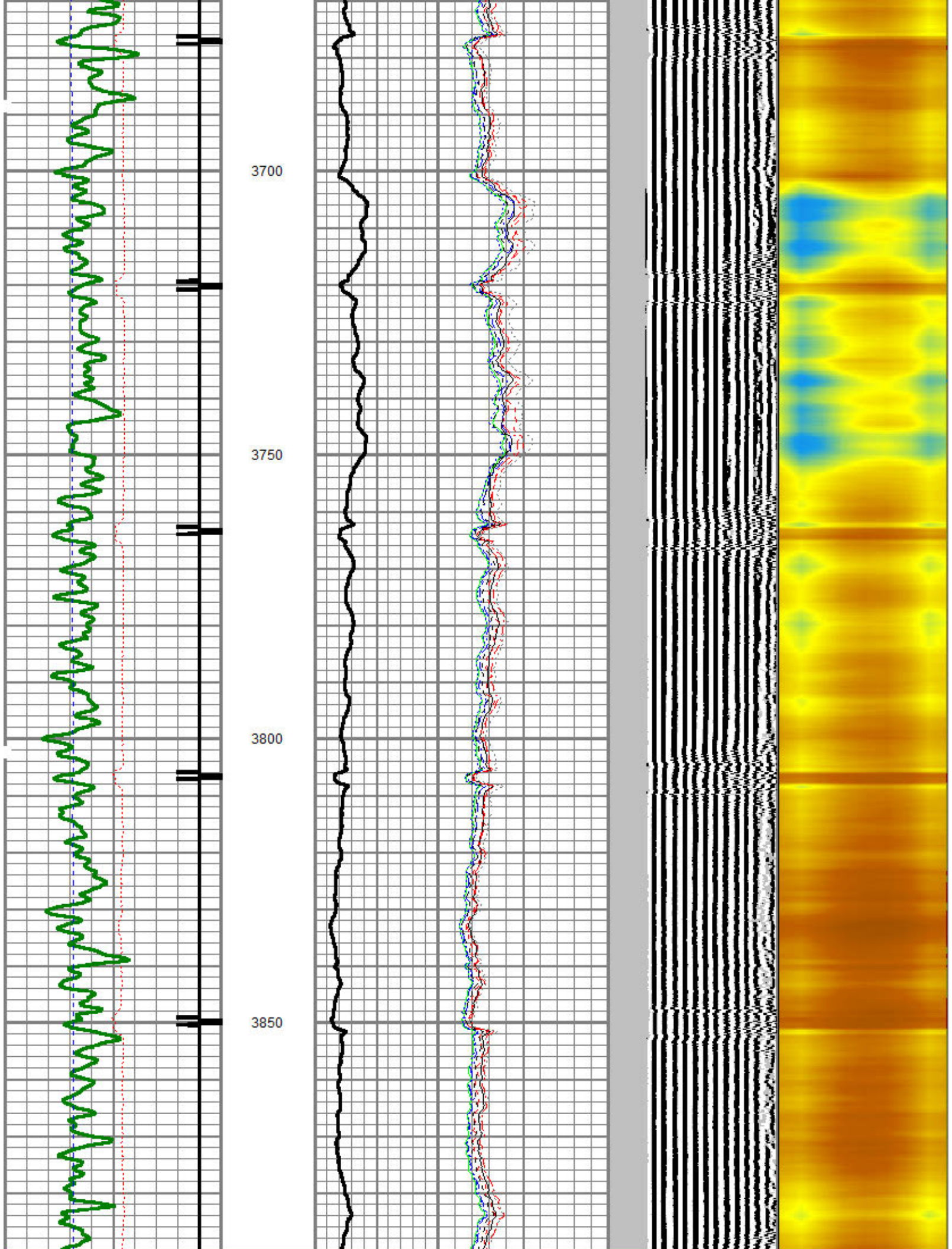


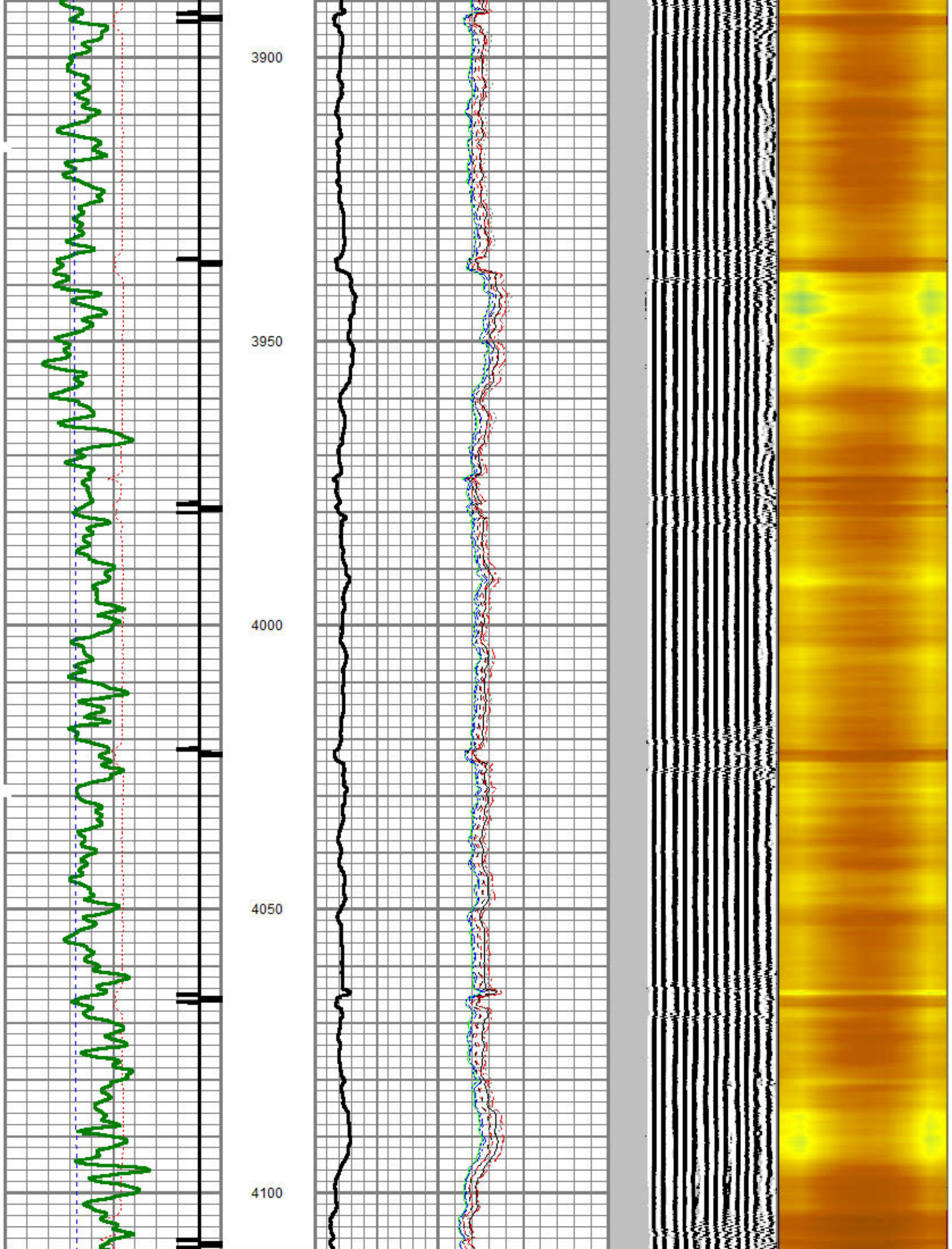


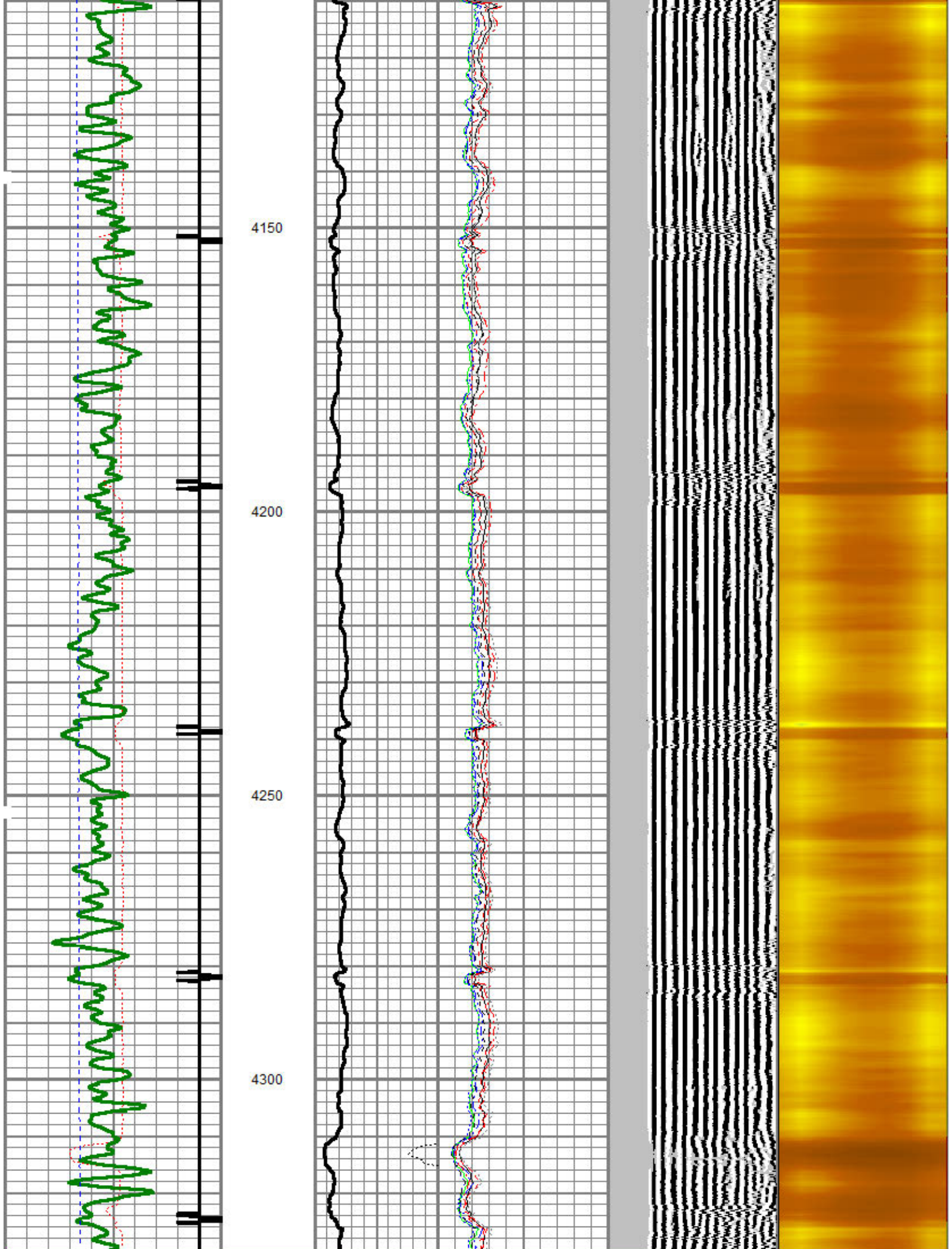


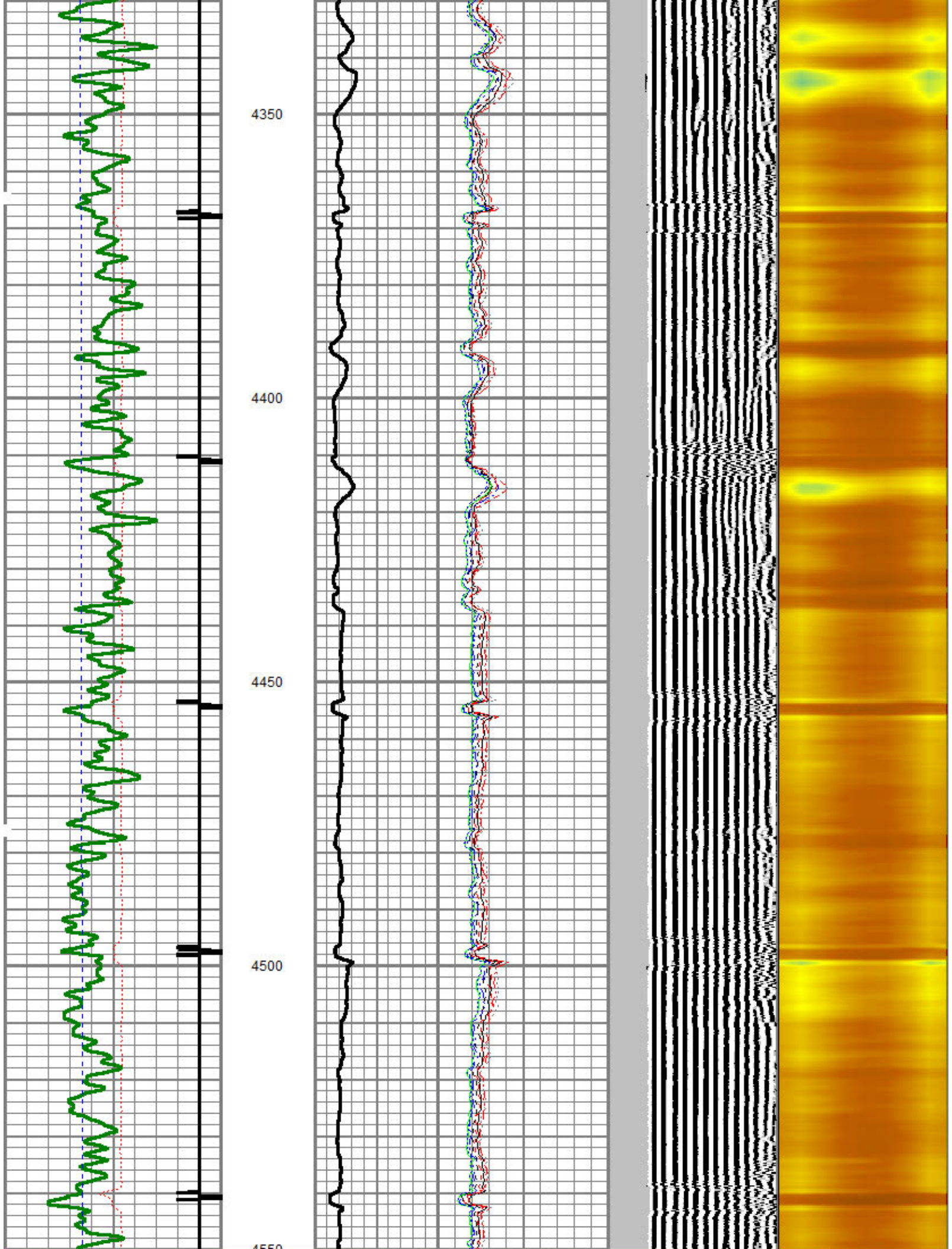


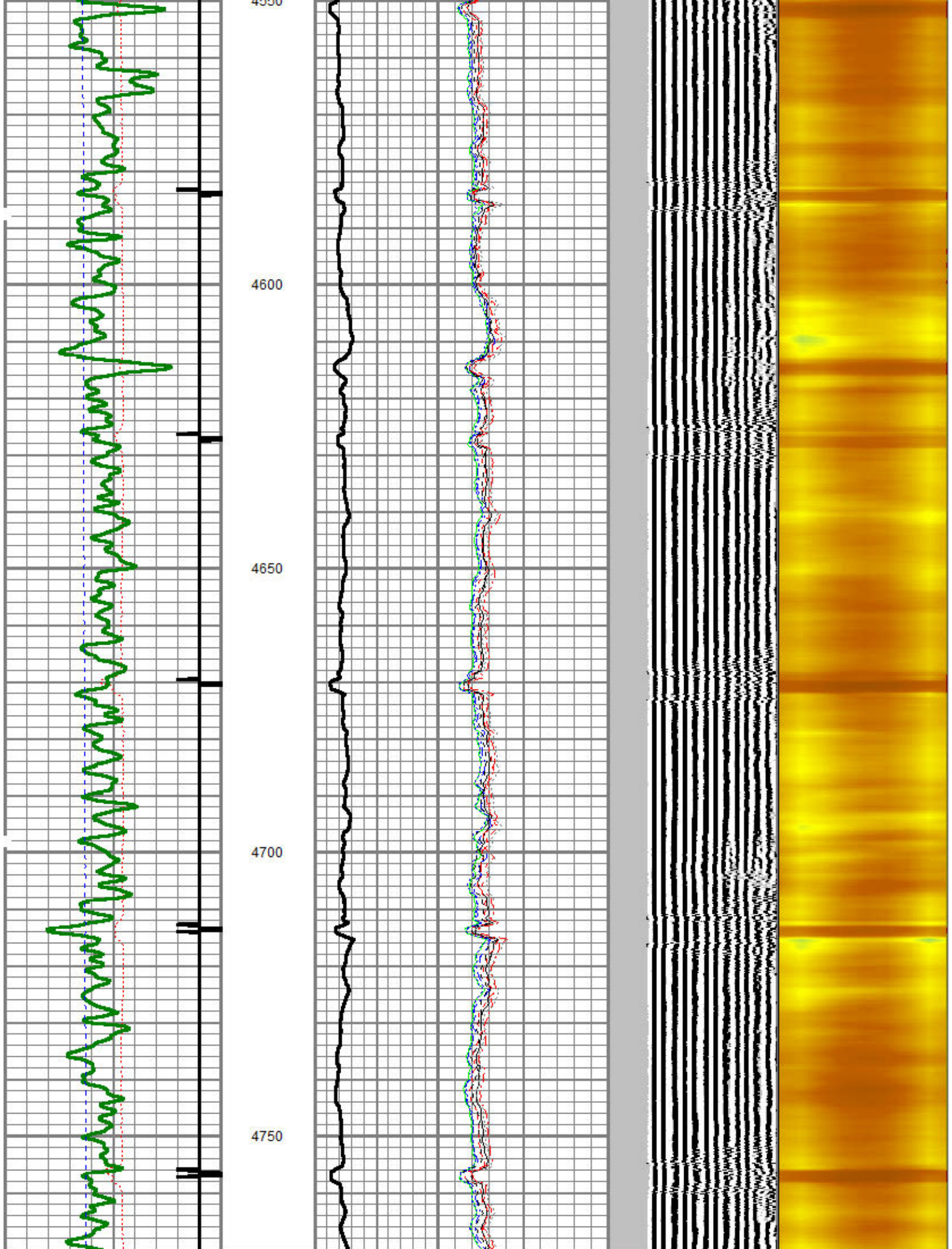


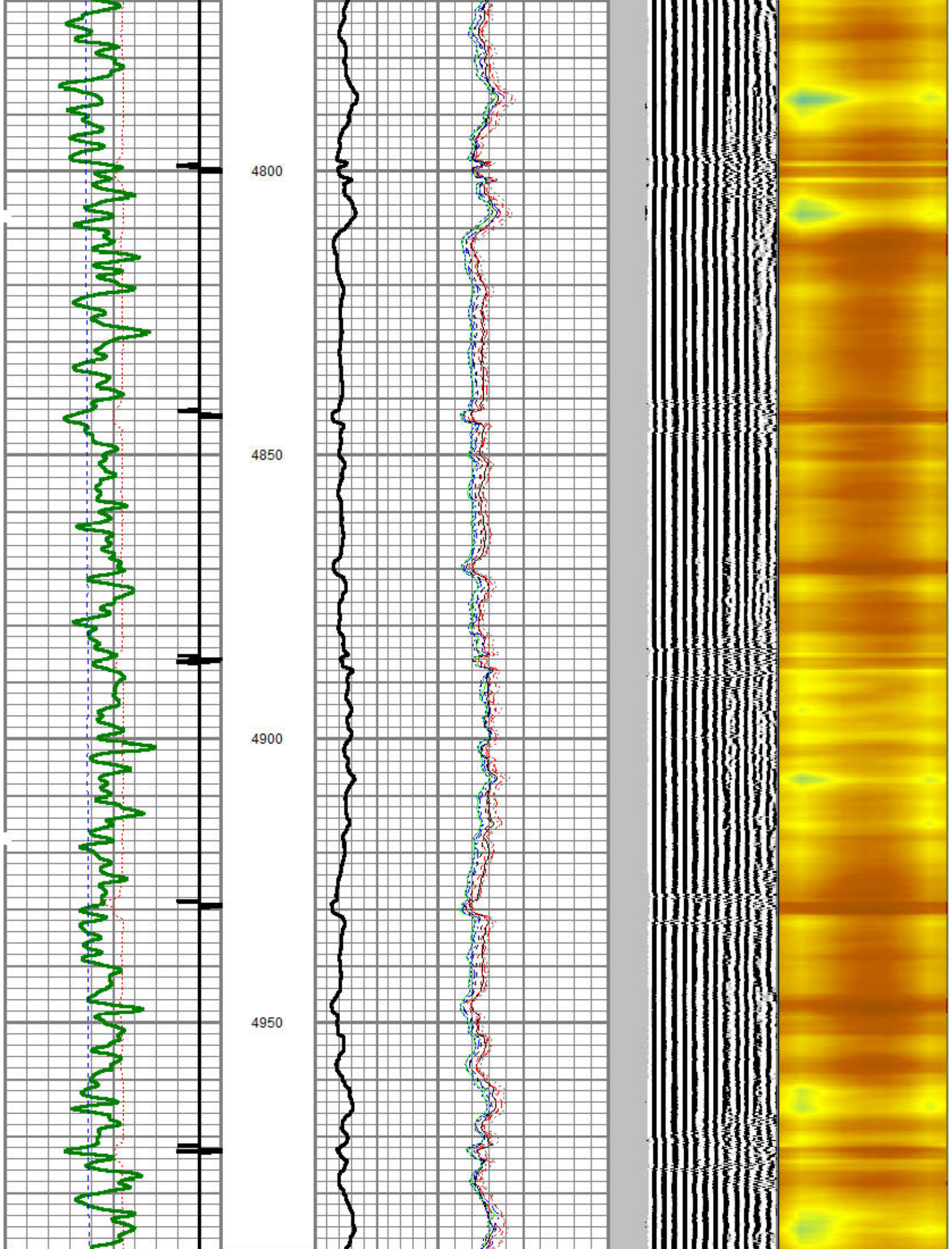


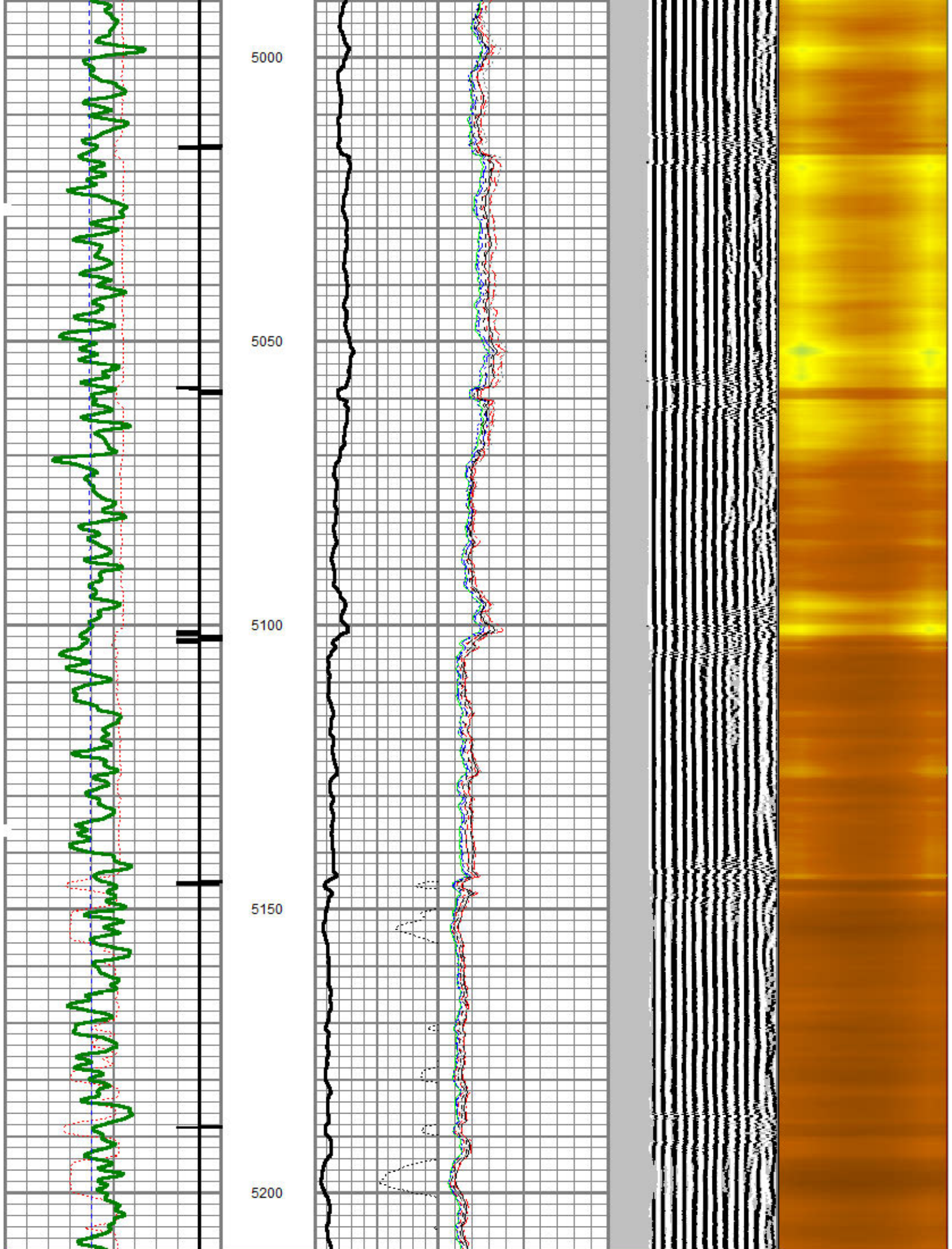


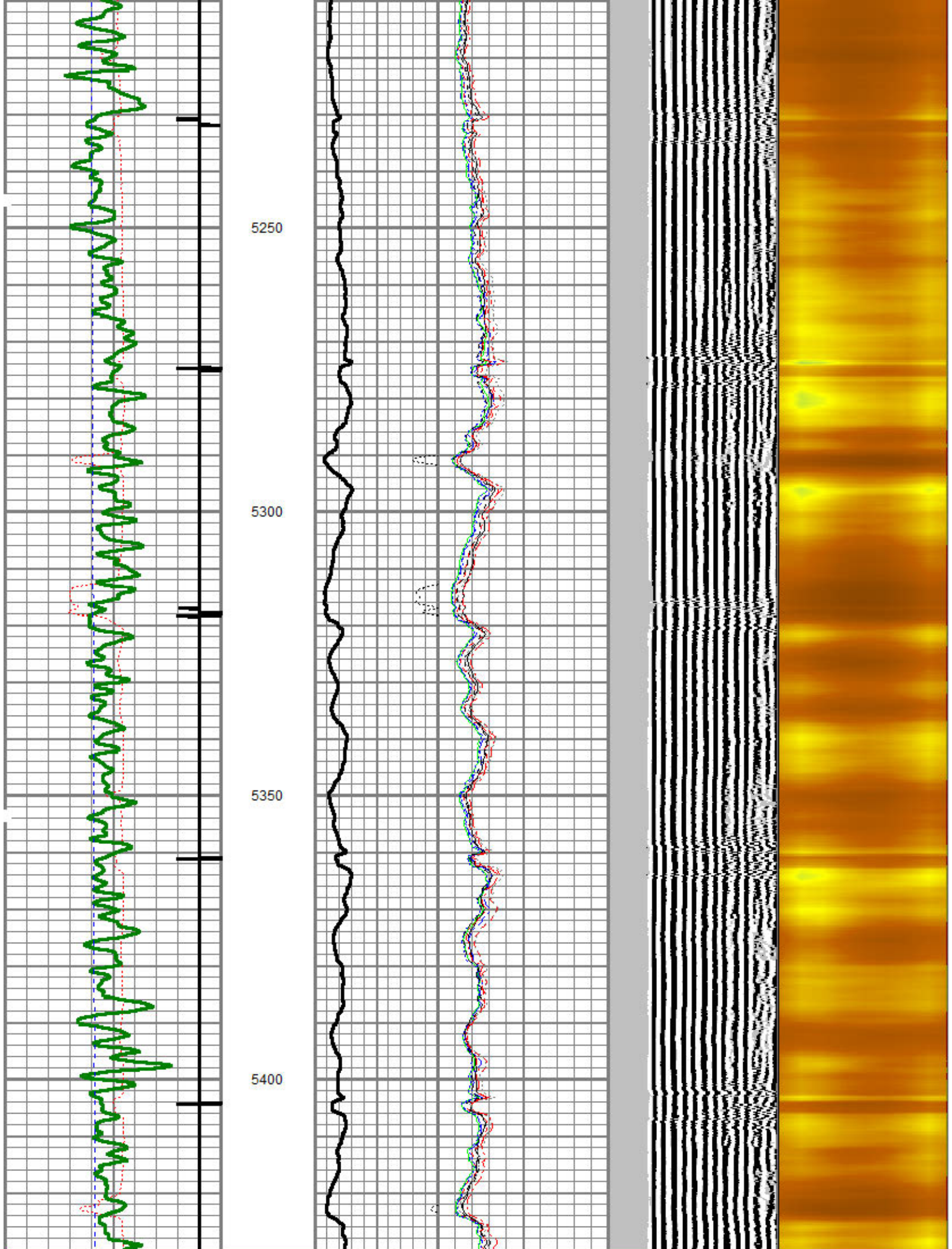


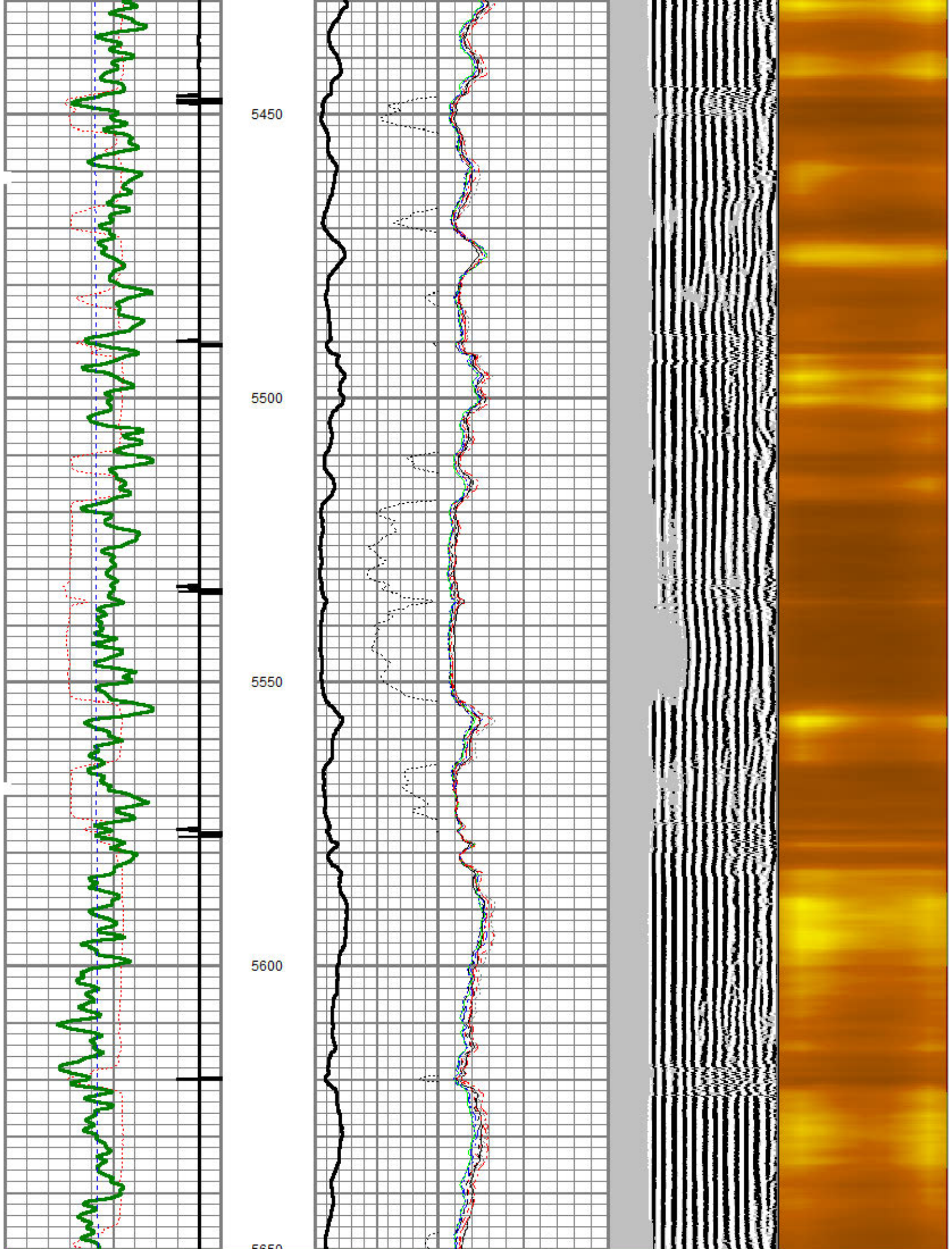


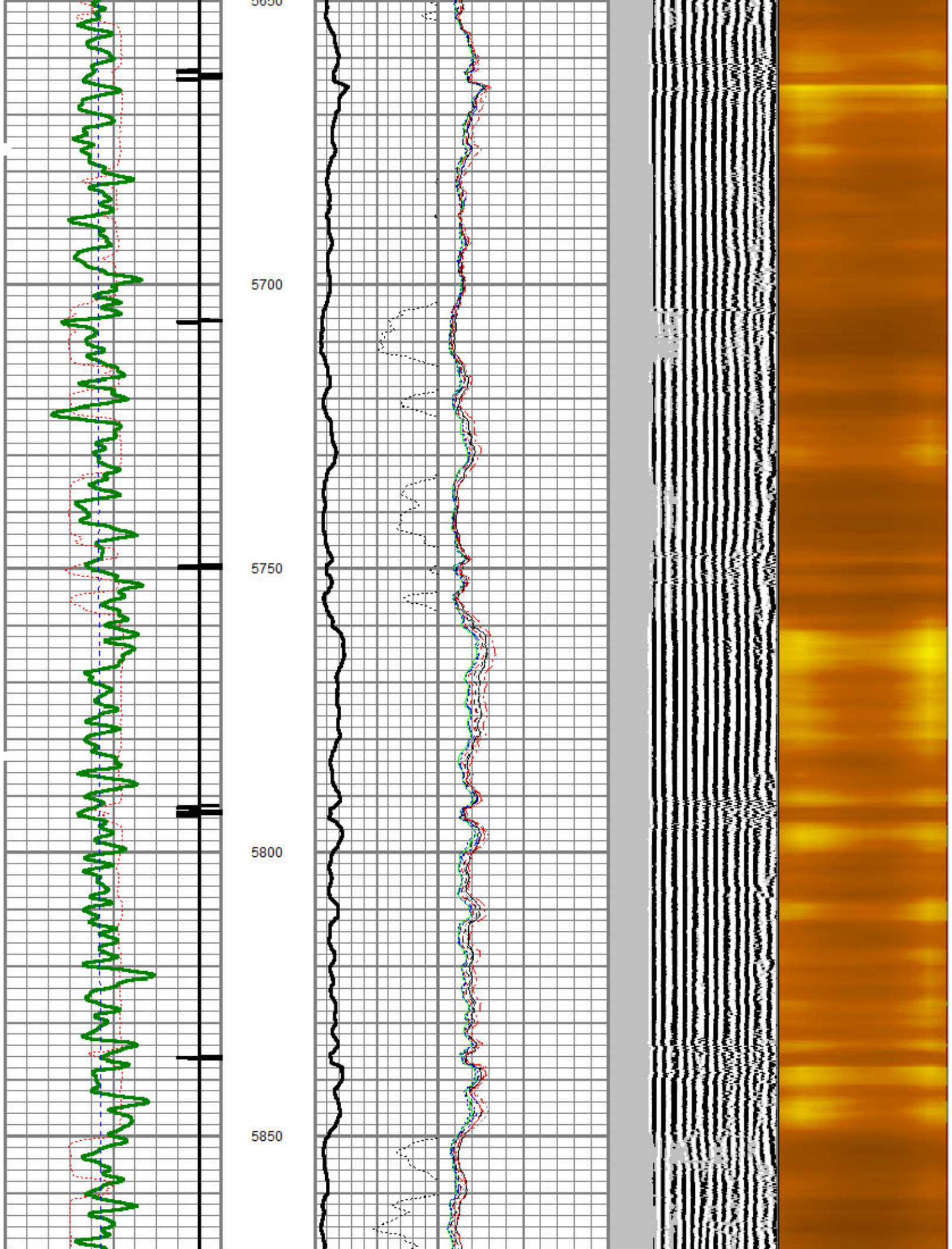


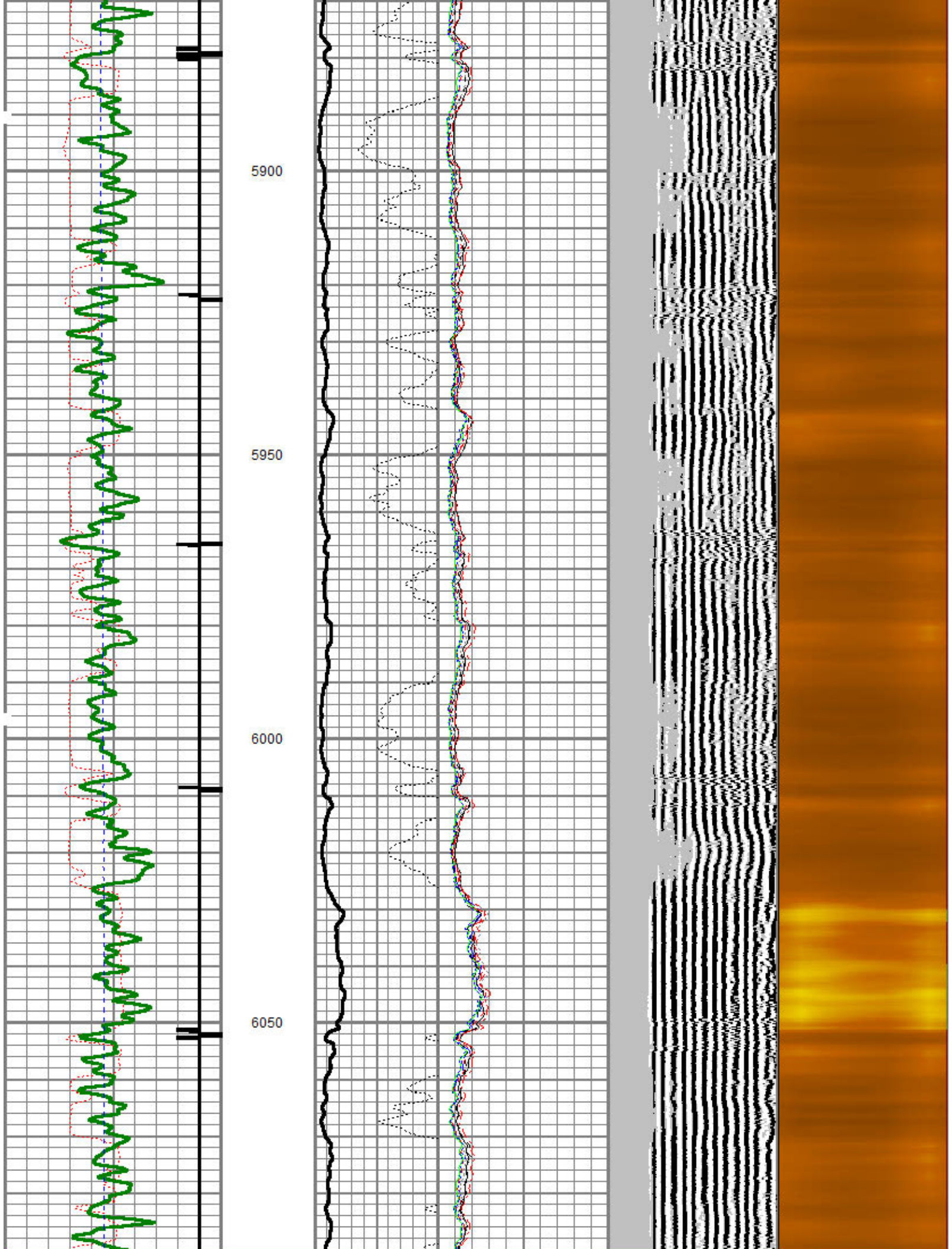


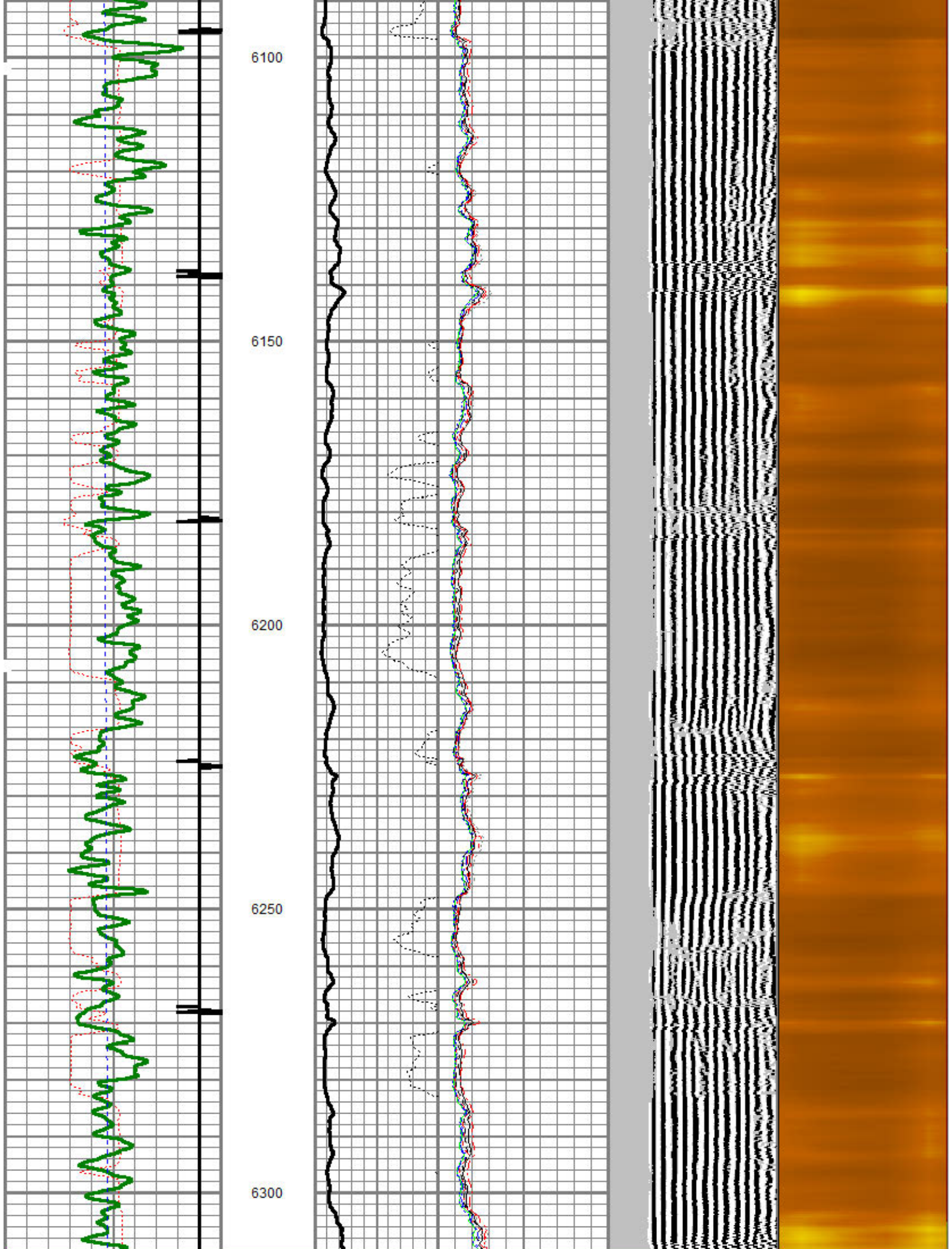


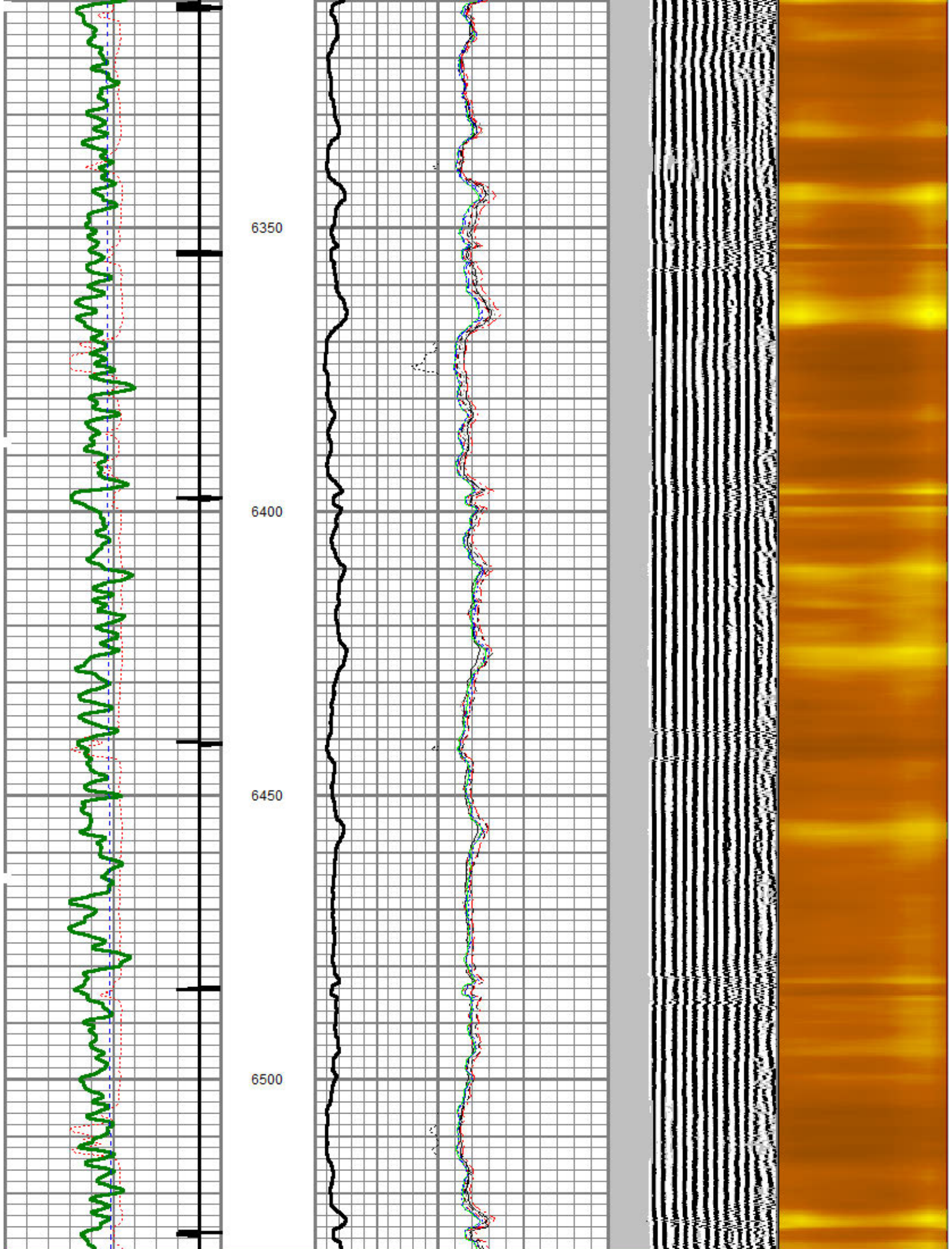


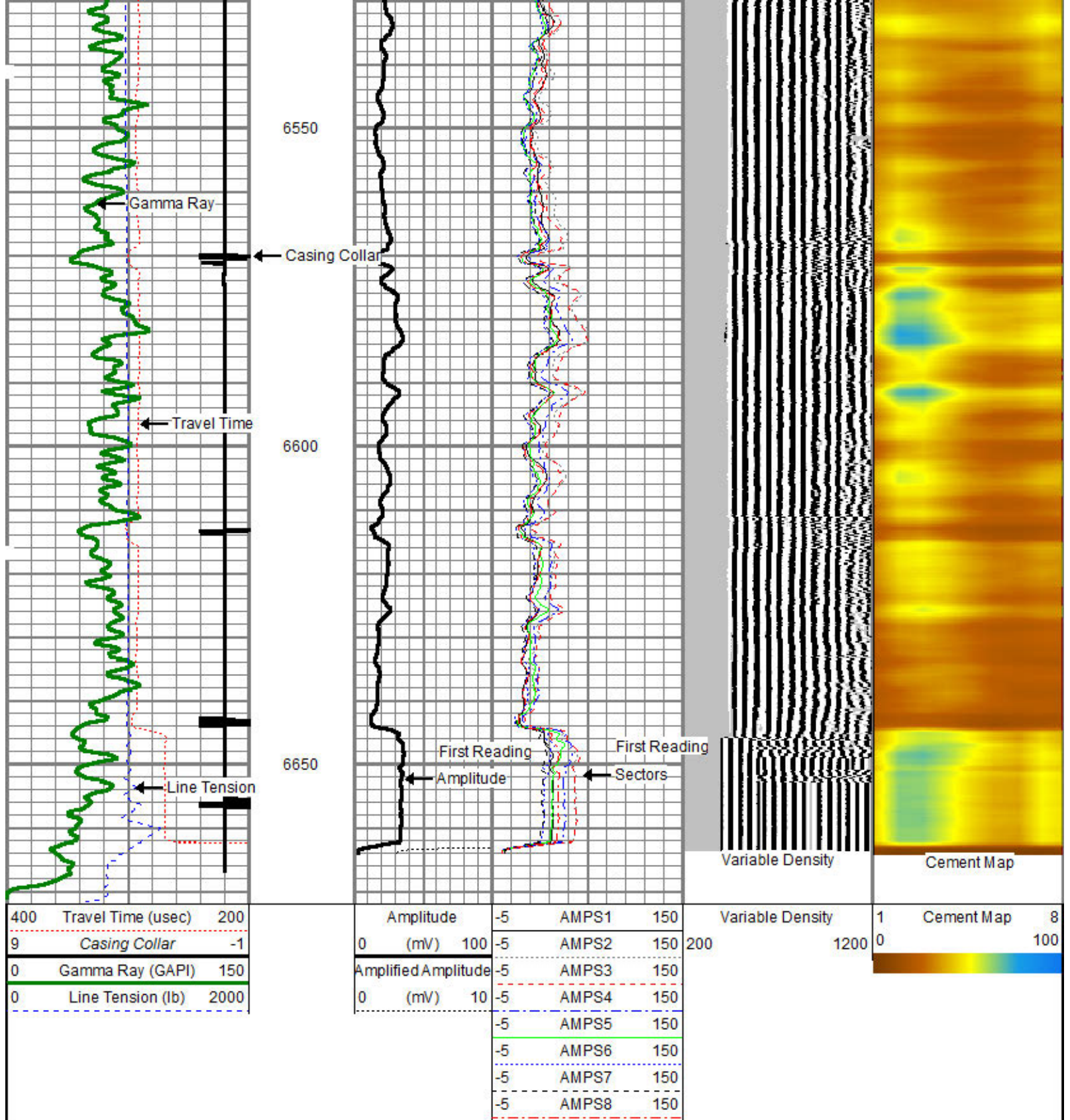








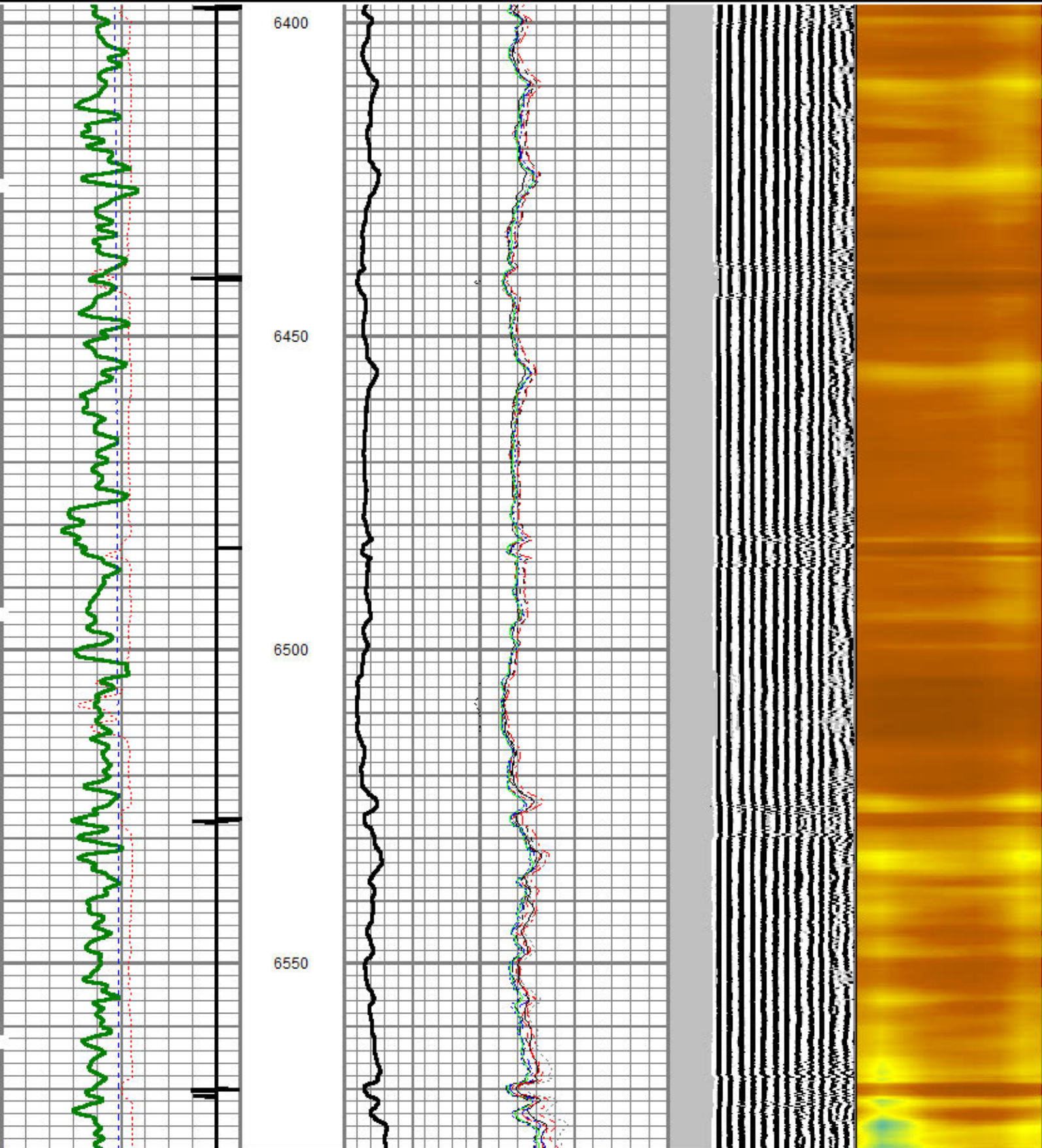


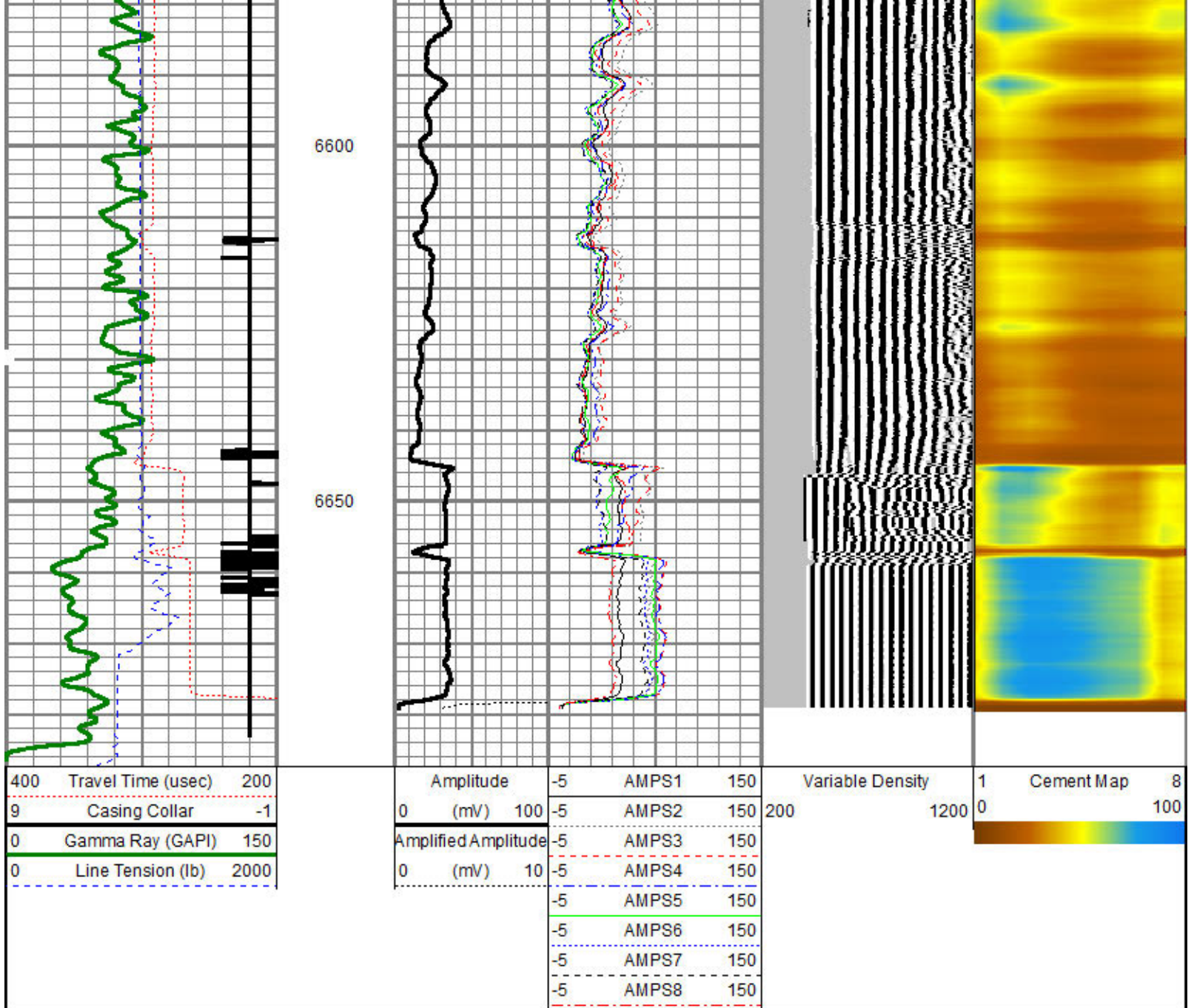


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Variable Density	1	Cement Map	8
200	1200	0	100





Calibration Report		
Database File:	bayswater matrix m-29hn.db	
Dataset Pathname:	pass4	
Dataset Creation:	Tue Mar 24 15:03:04 2015 by Log 0	
Gamma Ray Calibration Report		
Serial Number:	110109-Dig	
Tool Model:	Probe275	
Performed:	Mon Mar 09 13:54:32 2015	
Calibrator Value:	1022.0	GAPI
Background Reading:	99.1	cps
Calibrator Reading:	1632.9	cps
Sensitivity:	0.6663	GAPI/cps
Segmented Cement Bond Log Calibration Report		
Serial Number:	111107	
Tool Model:	Probe	

Calibration Casing Diameter: 5.500 in
Calibration Depth: -0.063 ft

Master Calibration, performed Tue Mar 24 08:21:36 2015:


	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.022	0.723	1.000	71.921	95.201	3.063
CAL	-0.025	0.734				
5'	-0.021	0.669	1.000	71.921	102.709	3.174
SUM						
S1	-0.091	0.735	0.000	100.000	100.130	4.971
S2	-0.016	0.729	0.000	100.000	134.211	2.200
S3	-0.023	0.714	0.000	100.000	135.690	3.107
S4	-0.023	0.736	0.000	100.000	131.675	3.025
S5	-0.024	0.736	0.000	100.000	131.713	3.098
S6	-0.023	0.725	0.000	100.000	133.712	3.072
S7	-0.023	0.699	0.000	100.000	138.530	3.135
S8	-0.022	0.708	0.000	100.000	136.974	3.073


Internal Reference Calibration, performed Wed Dec 31 17:00:00 1969:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.025	0.734	1.000	0.000

Air Zero Calibration, performed Fri Aug 15 12:15:10 2014:

	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	

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Titan Cable_head	1.00	1.44	10.00

Tool Name	Length (ft)	Weight (lb)	OD (in)	Notes
WVFS3FT	9.12	8.92	2.75	90.00
WVFCAL	9.12			
WVFS1	9.12			
WVFS2	9.12			
WVFS3	9.12			
WVFS4	9.12			
WVFS5	9.12			
WVFS6	9.12			
WVFS7	9.12			
WVFS8	9.12			
WVFS5FT	8.03			
				
CCL	3.88			
GR	2.54	4.78	2.75	57.00
Dataset: bayswater matrix m-29hn.db: field/well/run1/pass4 Total Length: 14.70 ft Total Weight: 157.00 lb O.D.: 3.71 in				