



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

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

Location: API #: 05-123-40702
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. 4708', D.F. 4708', G.L. 4708'

Date	March 24, 2015					
Run Number	1					
Depth Driller	-					
Depth Logger	6598'					
Bottom Logged Interval	6588'					
Top Log Interval	Surface					
Open Hole Size	8 3/4"					
Type Fluid	Fresh Water					
Density / Viscosity	8.33#					
Max. Recorded Temp.	-					
Estimated Cement Top	268'					
Time Well Ready	12:22					
Time Logger on Bottom	12:54					
E equipment Number	13033					
Location	Brighton, Co					
Recorded By	Cody Rall					
Witnessed By	Jack Bruner					
Borehole Record						
Run Number	Bit	From	To	Size	Tubing Record	
Conductor					Weight	From
Surface						To
Intermediate						
Production						
Casing Record	Size		Wgt/ft		Top	Bottom
Surface String						
Prot. String						
P production String	7"		26#		Surface	-
Liner	4 1/2"		11.6#		6624'	
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 @ 268'

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



Main Pass (0 PSI)

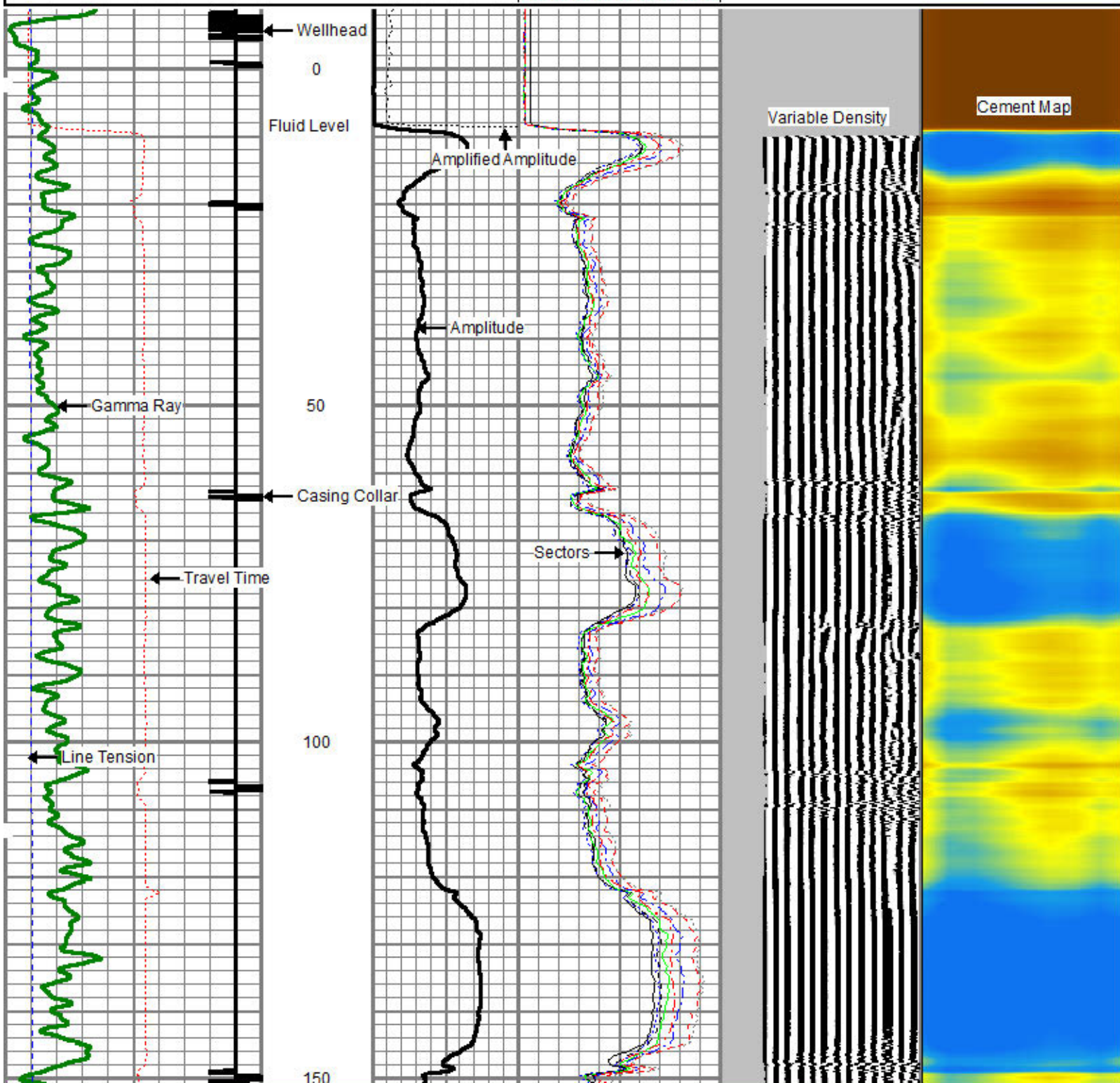
WIRELINE SERVICES

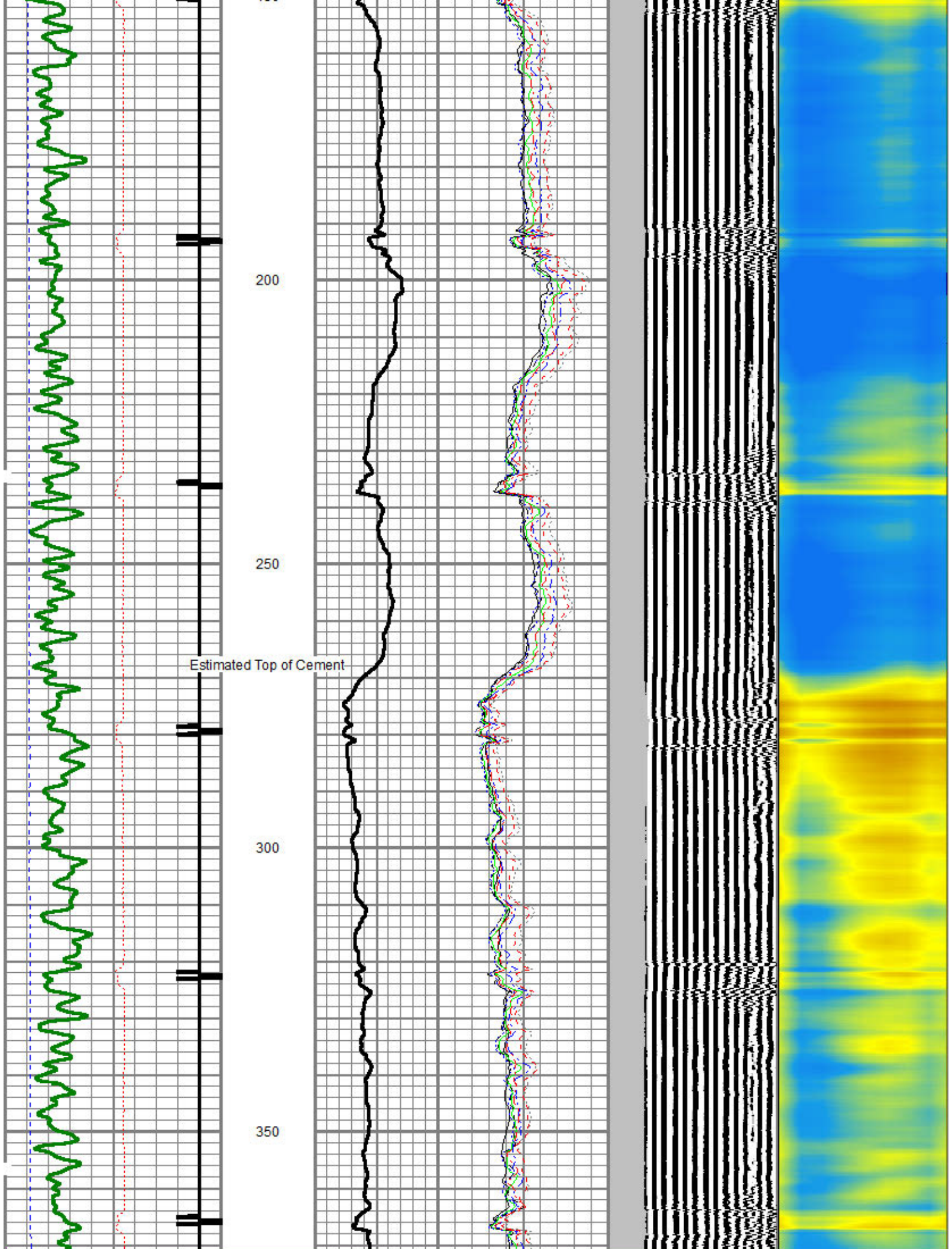
Database File: bayswater matrix k-29hn.db
 Dataset Pathname: pass4
 Presentation Format: scbl03
 Dataset Creation: Tue Mar 24 12:58:23 2015 by Log 0
 Charted by: Depth in Feet scaled 1:240

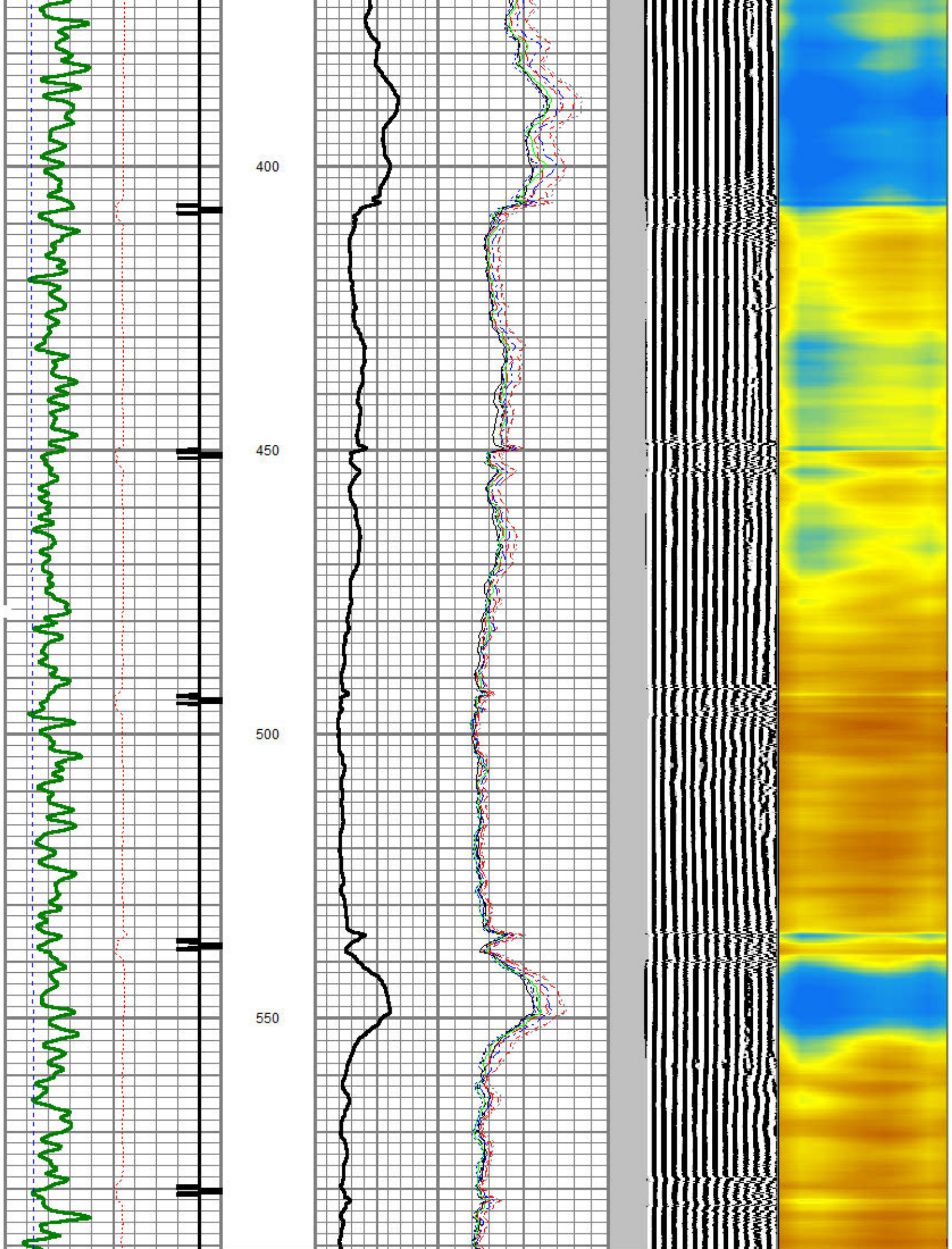
400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

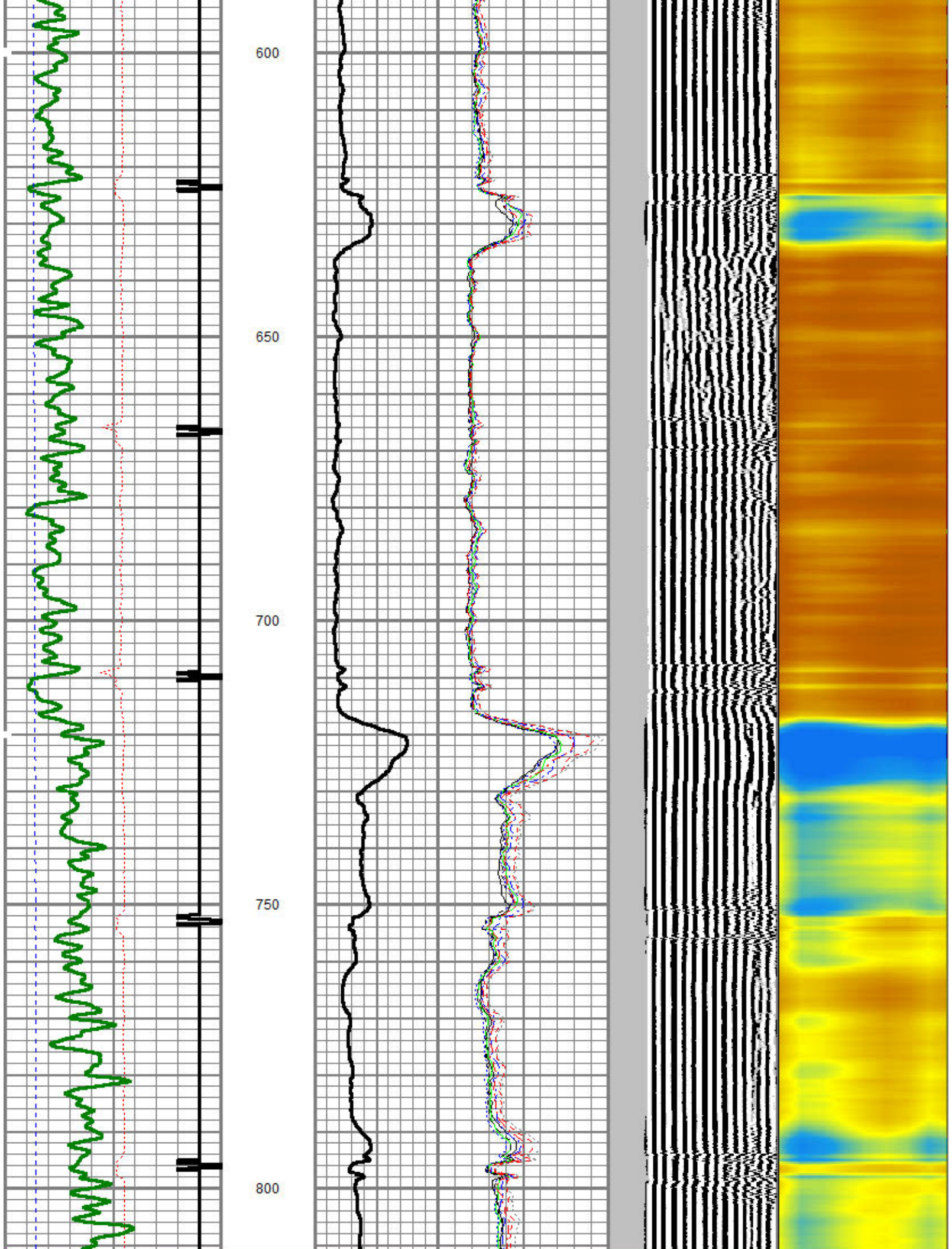
Amplitude	-5	AMPS1	150
0 (mV)	-5	AMPS2	150
Amplified Amplitude	-5	AMPS3	150
0 (mV)	-5	AMPS4	150
	-5	AMPS5	150
	-5	AMPS6	150
	-5	AMPS7	150
	-5	AMPS8	150

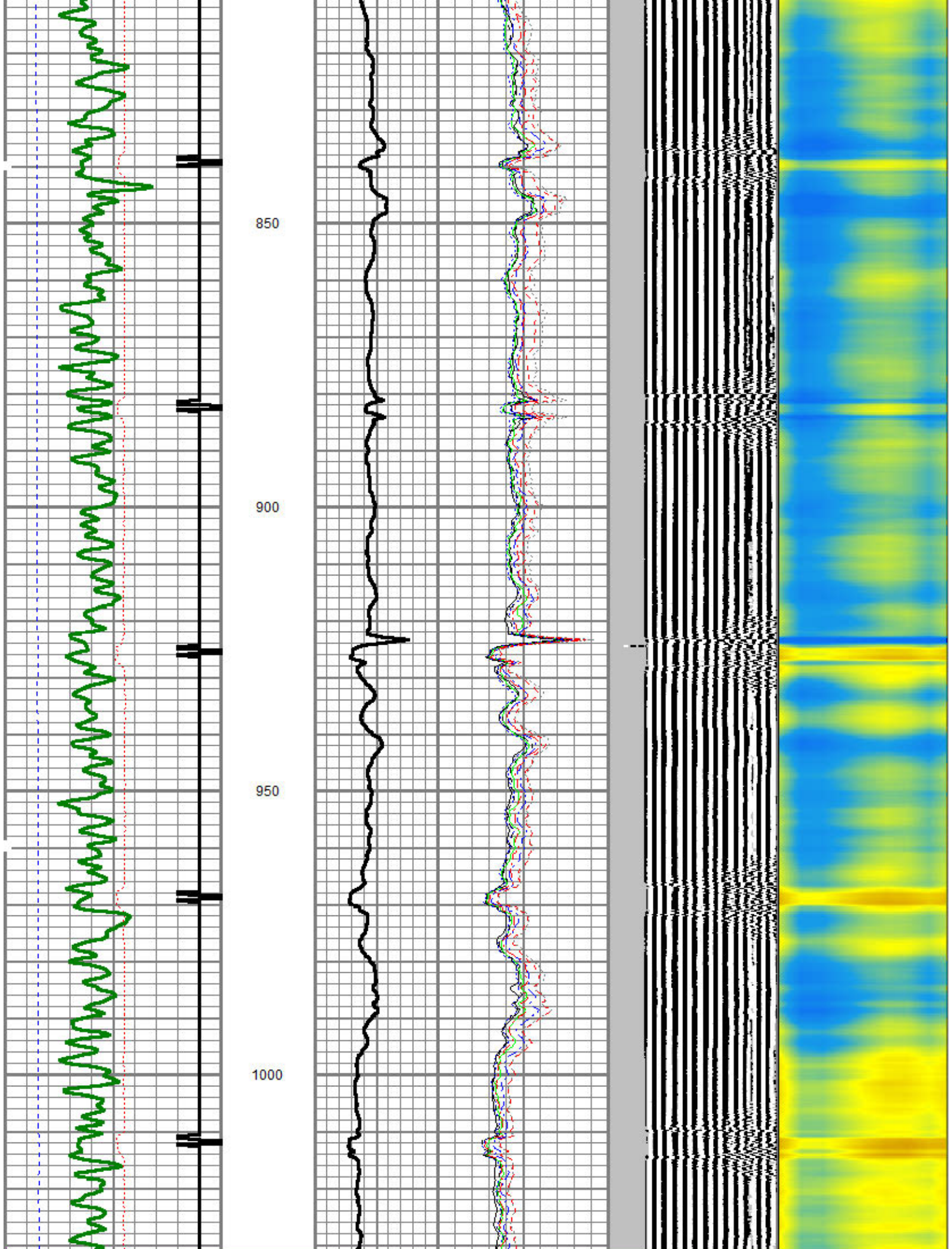
Variable Density 1 Cement Map 8
 200 1200 0 100

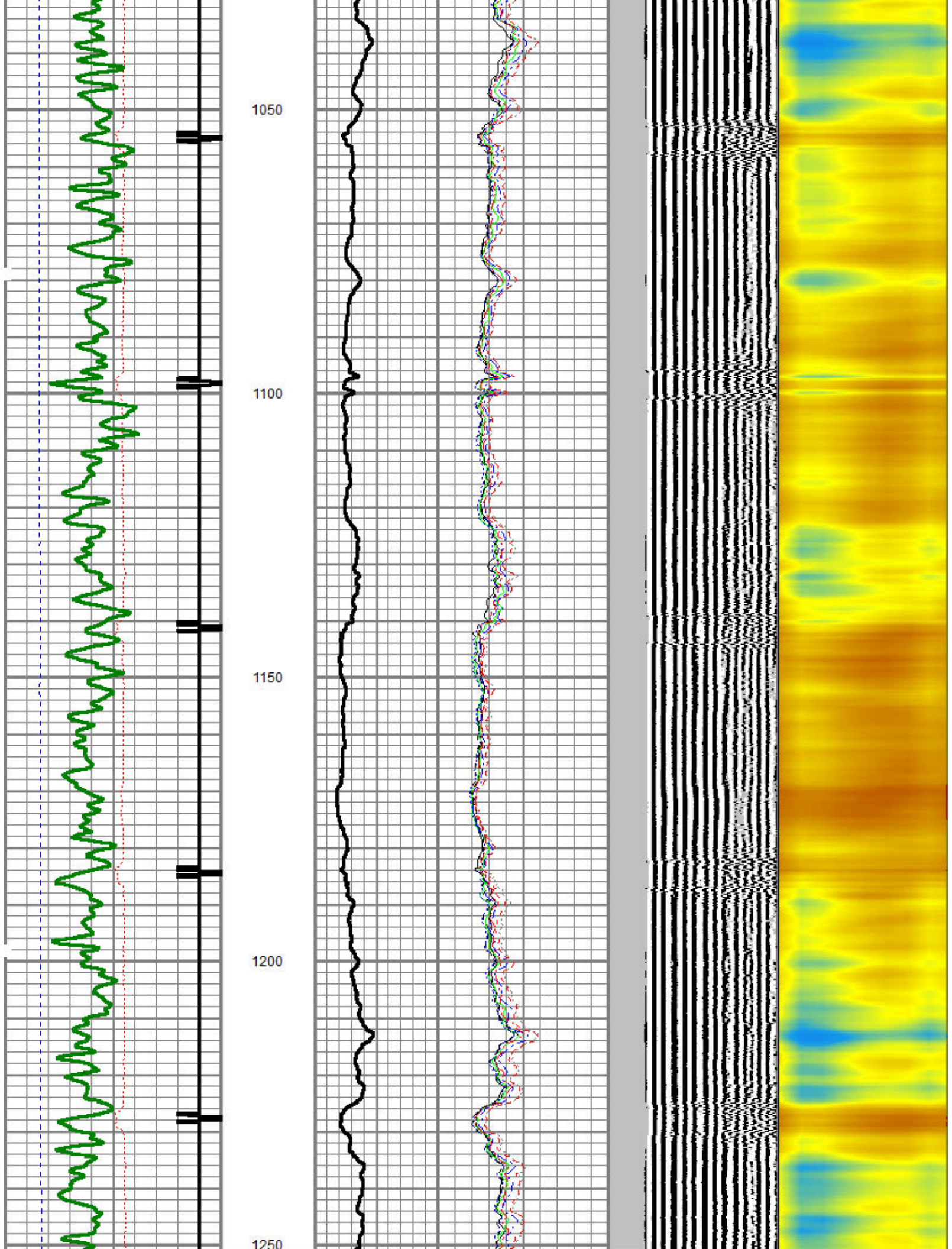


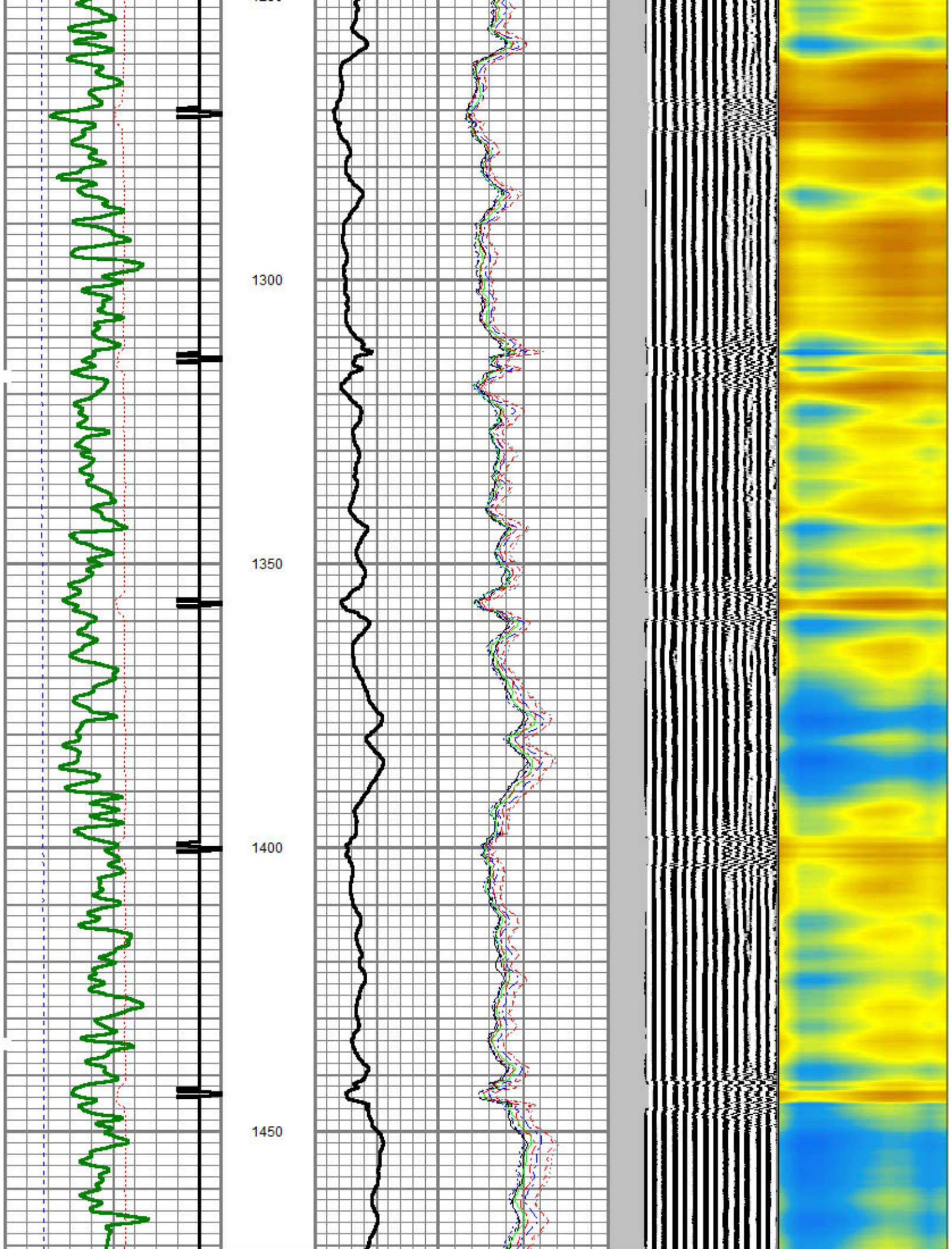


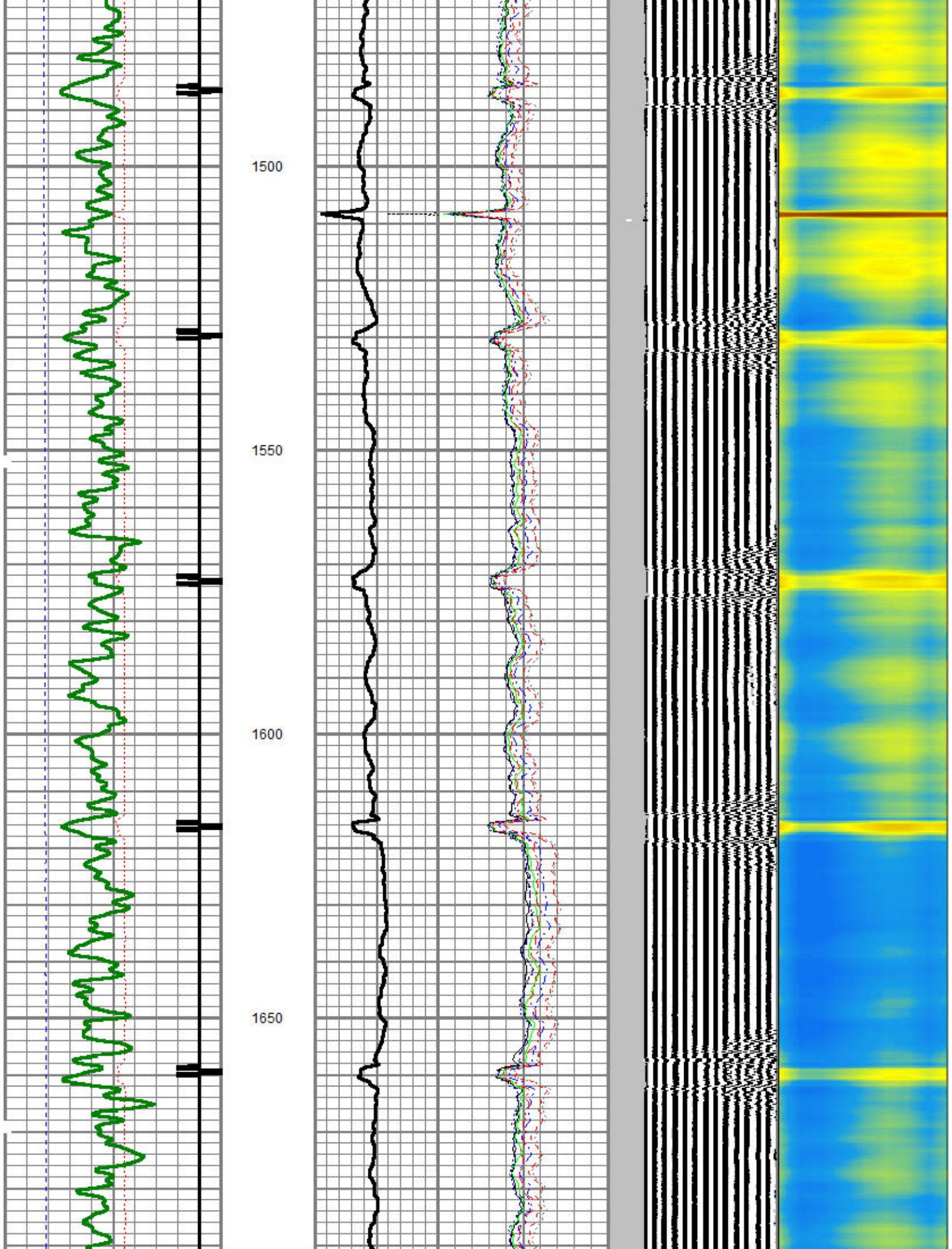


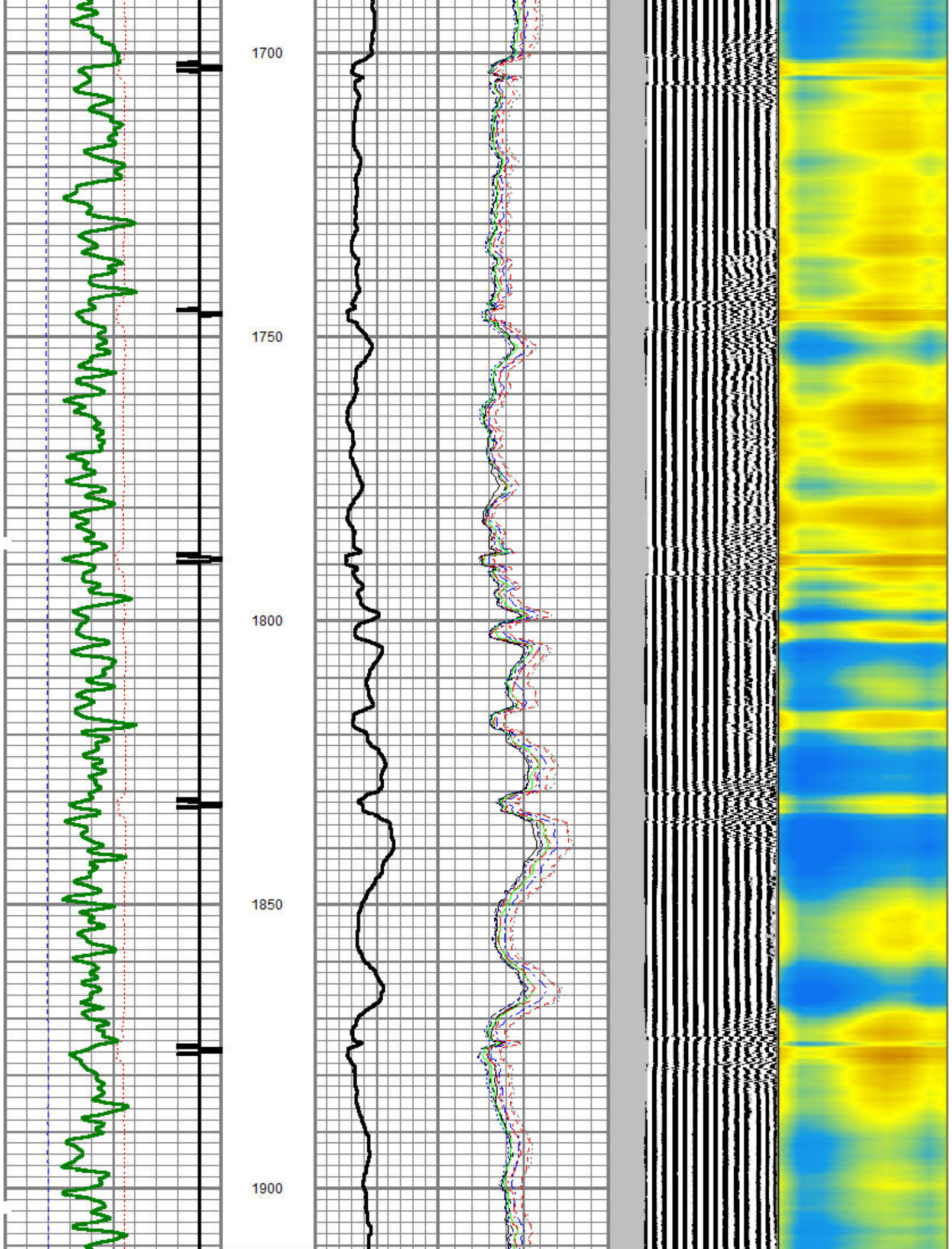


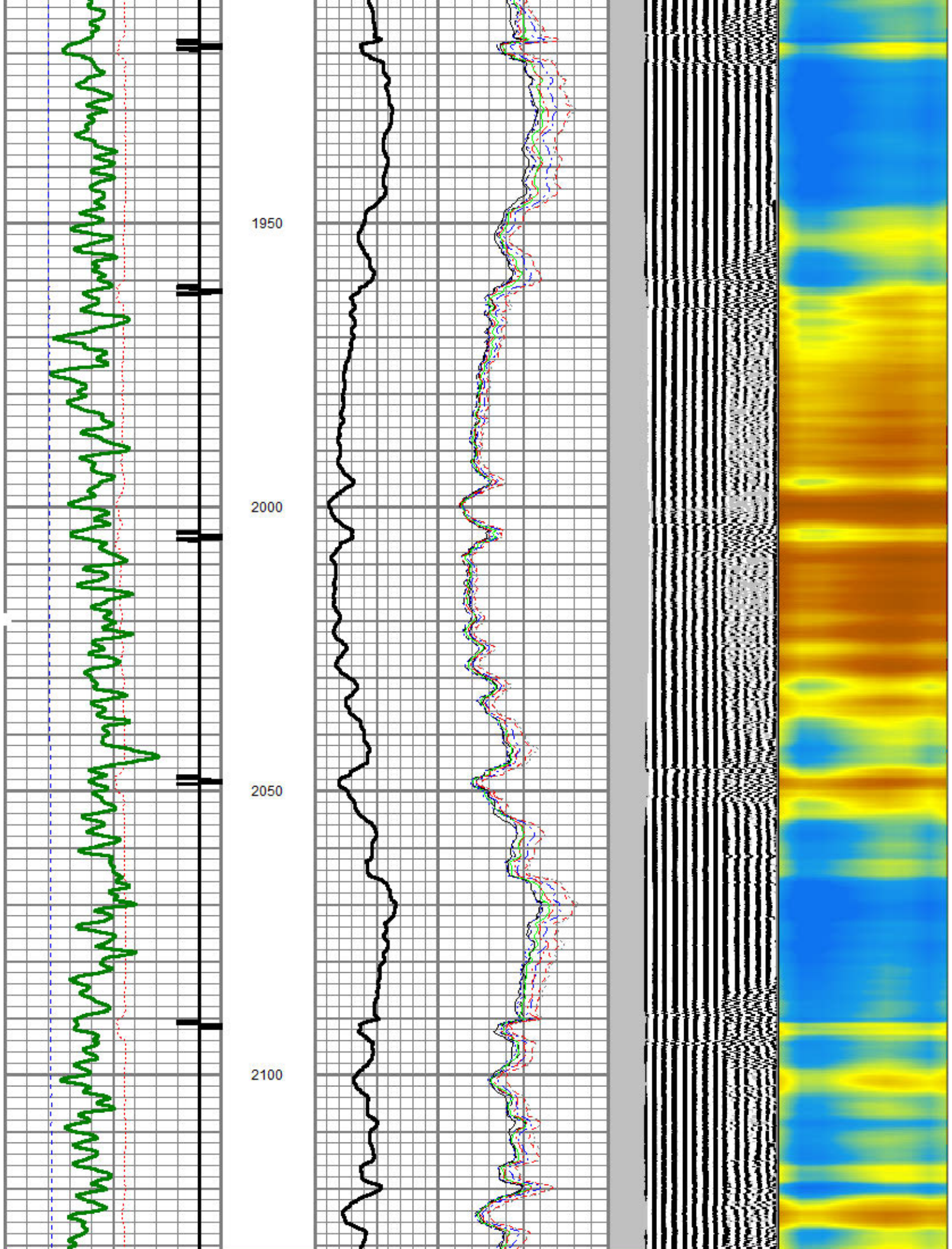


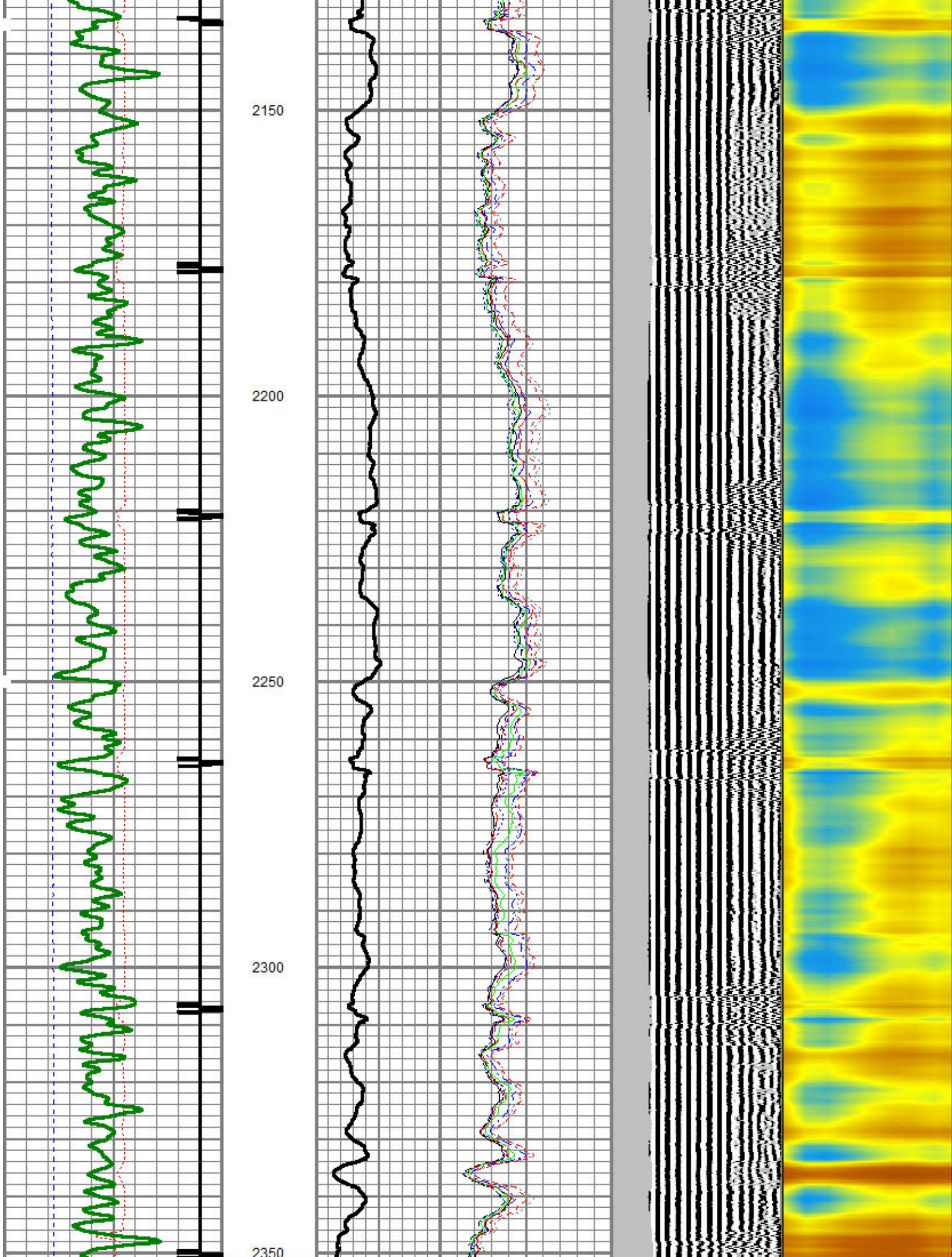


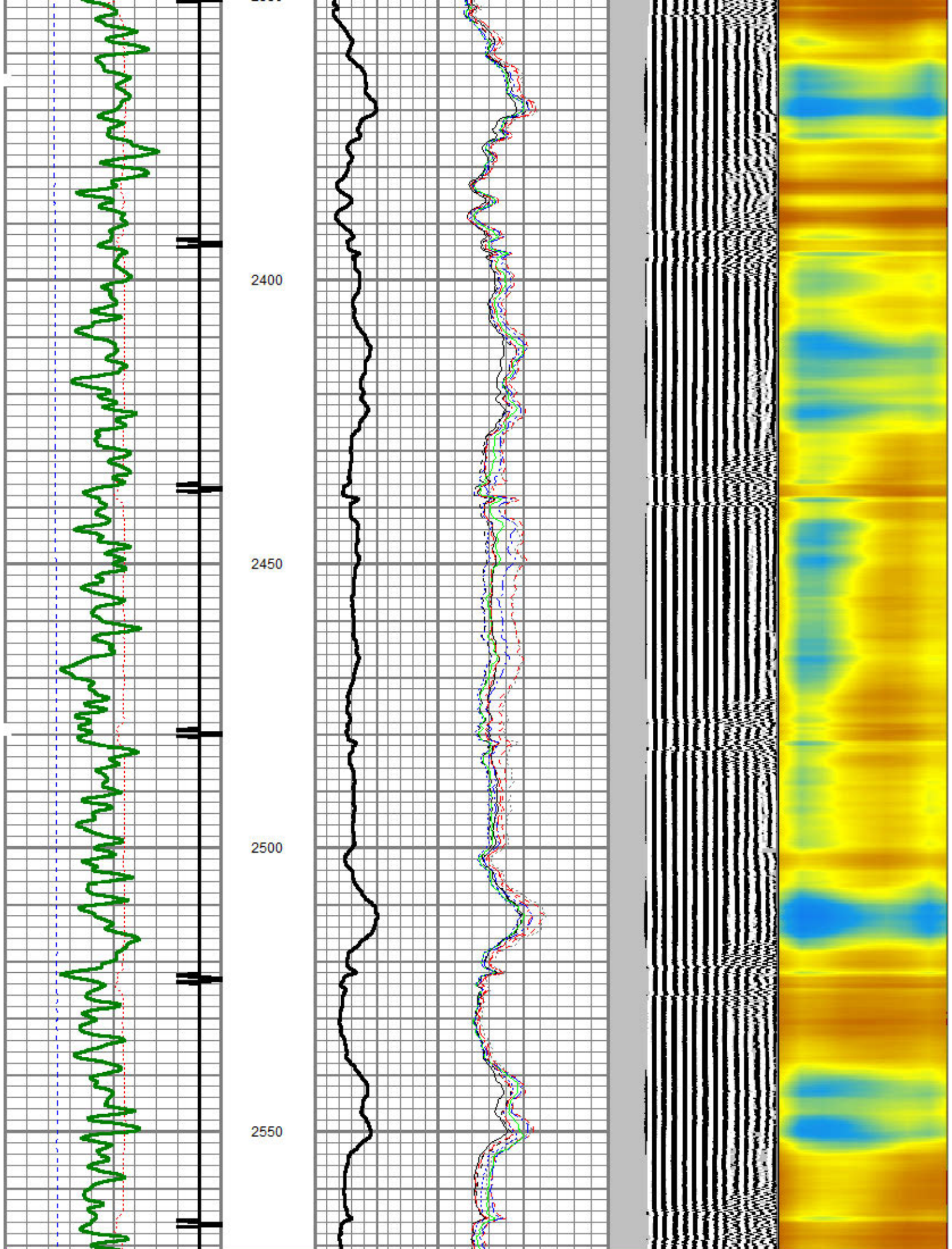


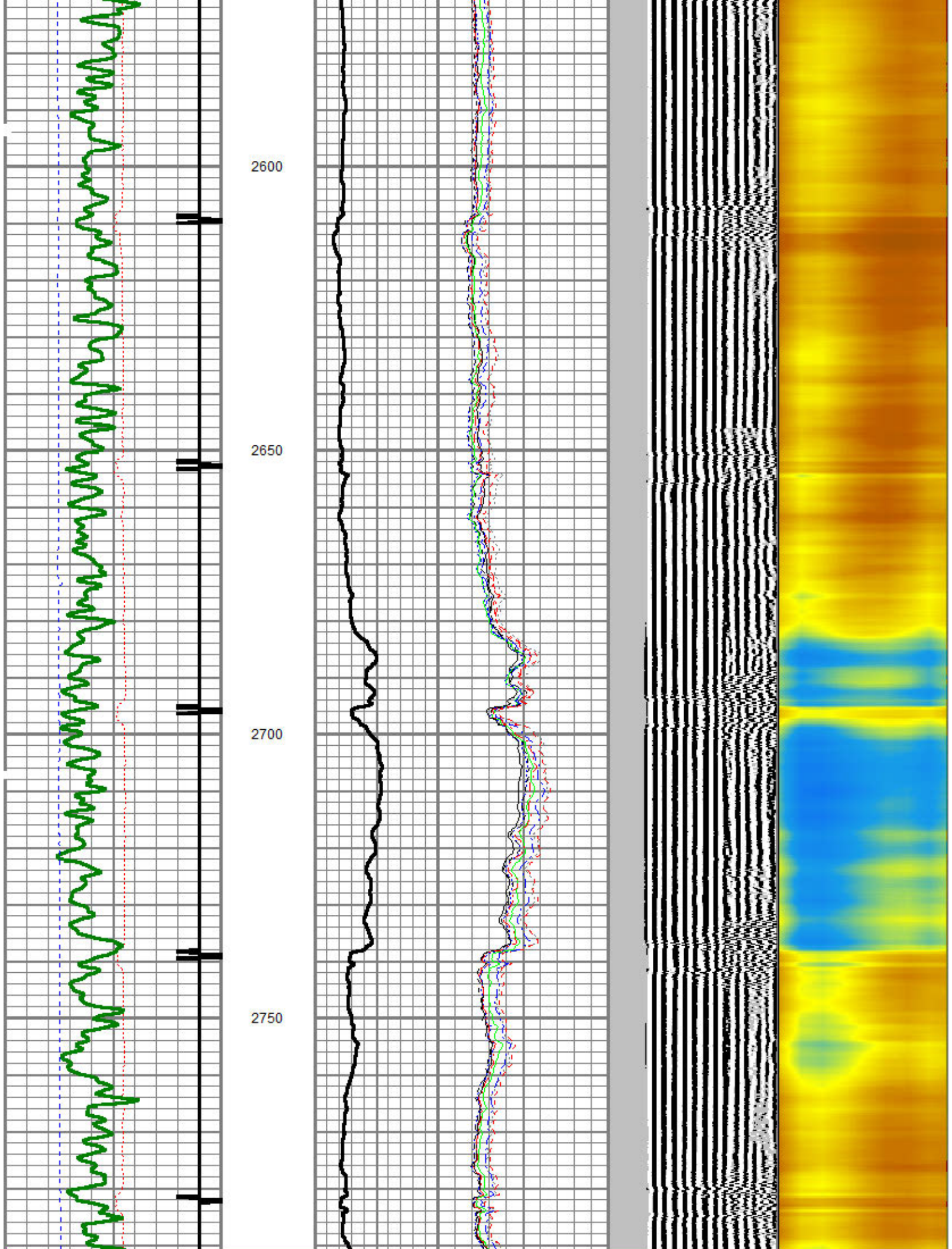


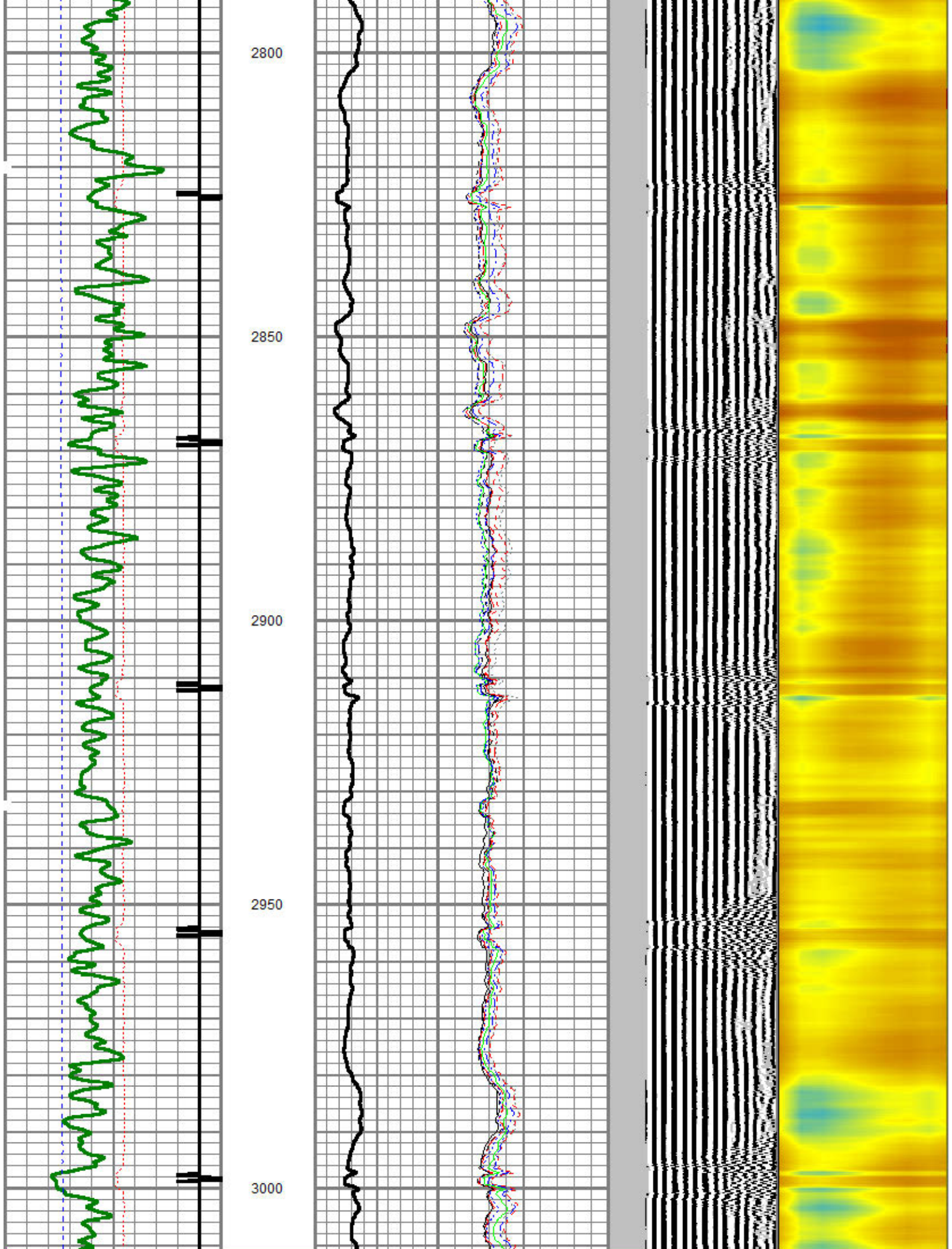


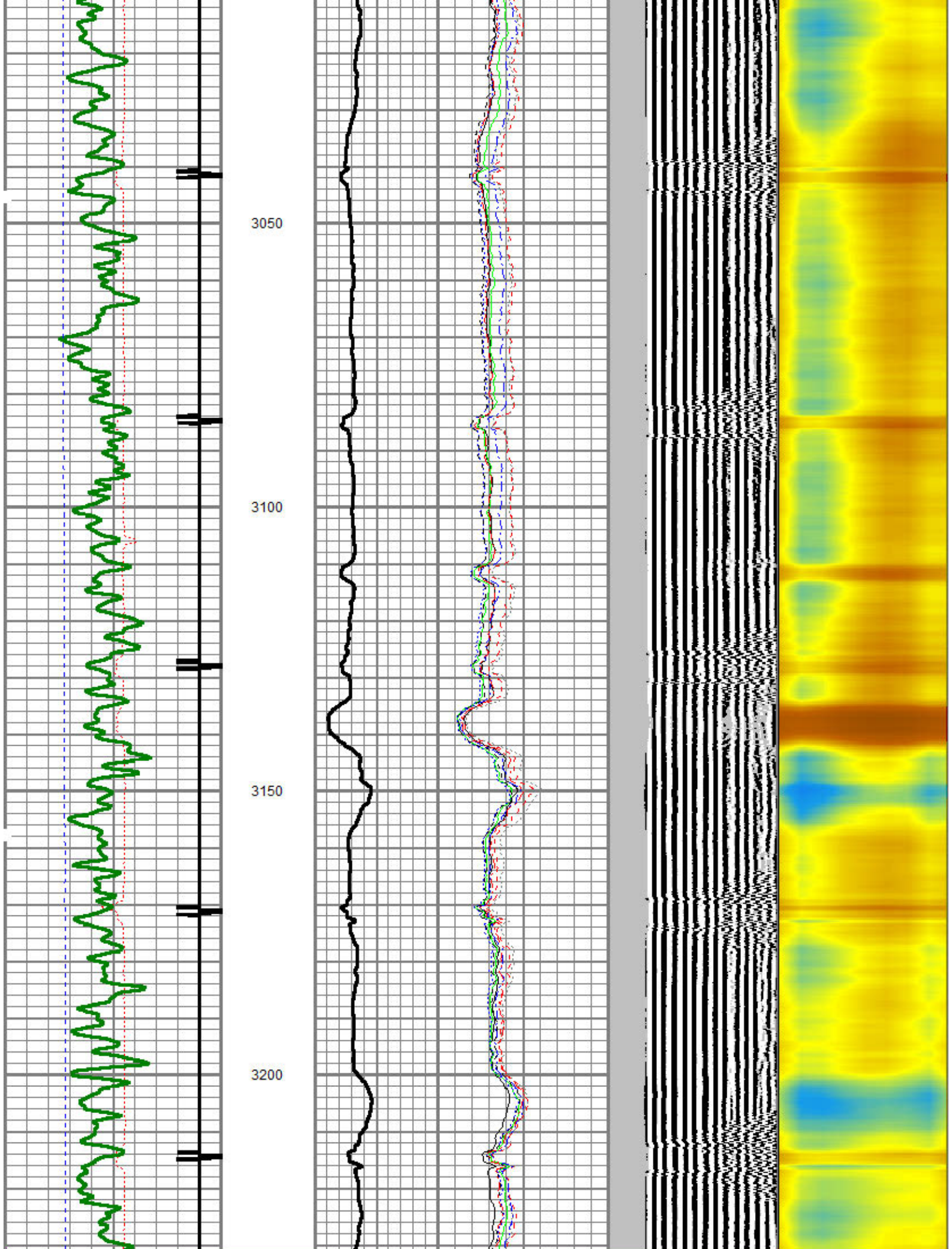


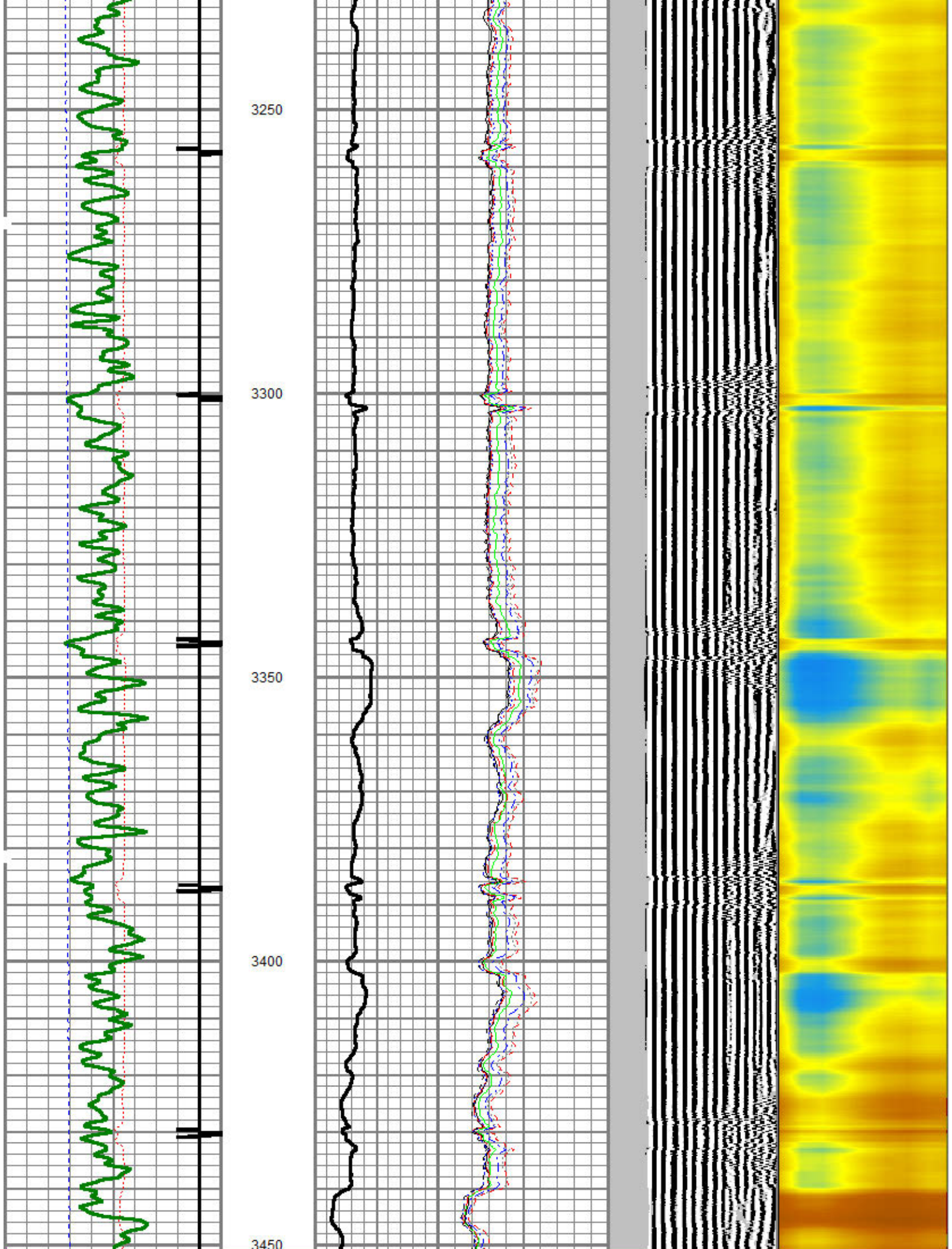


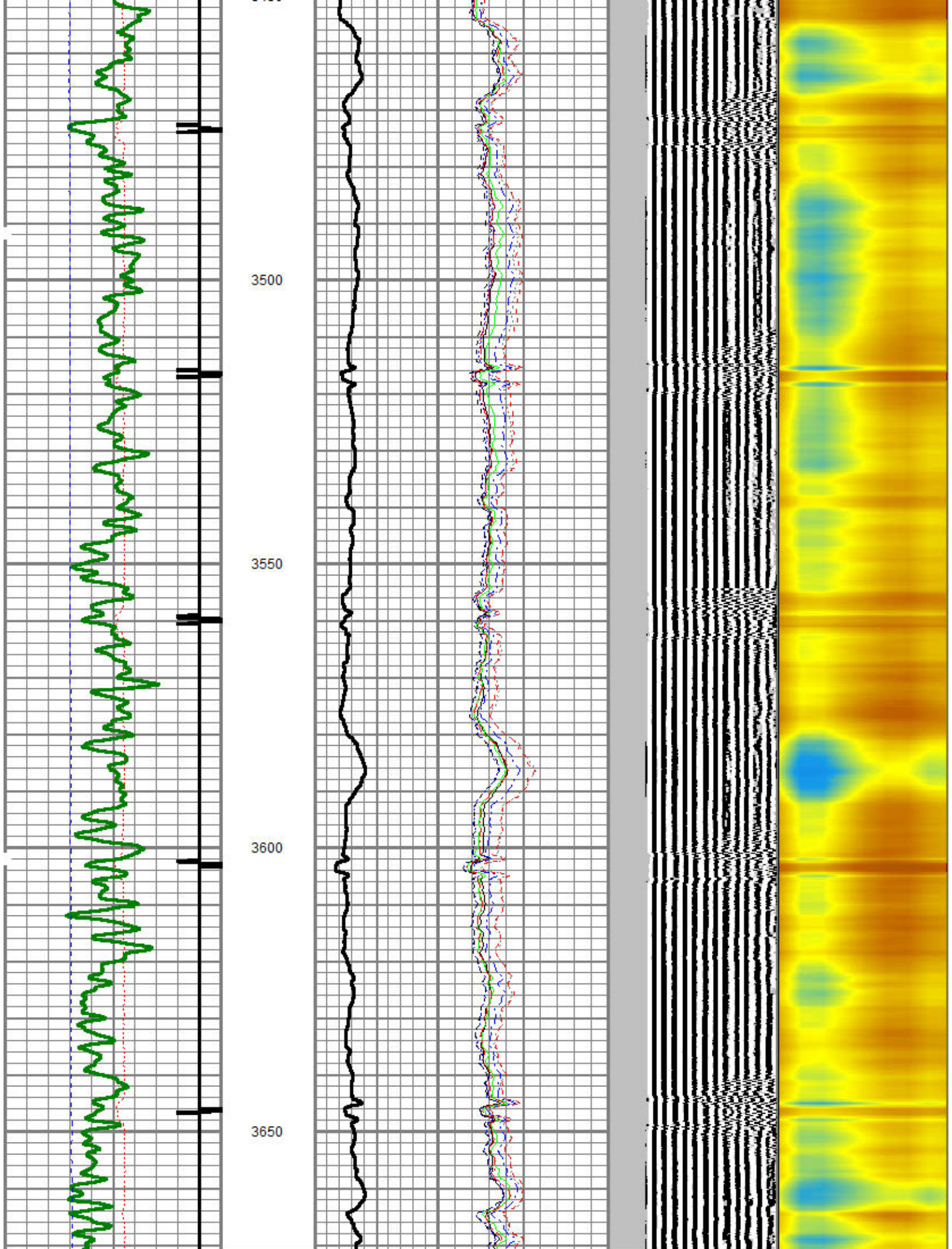


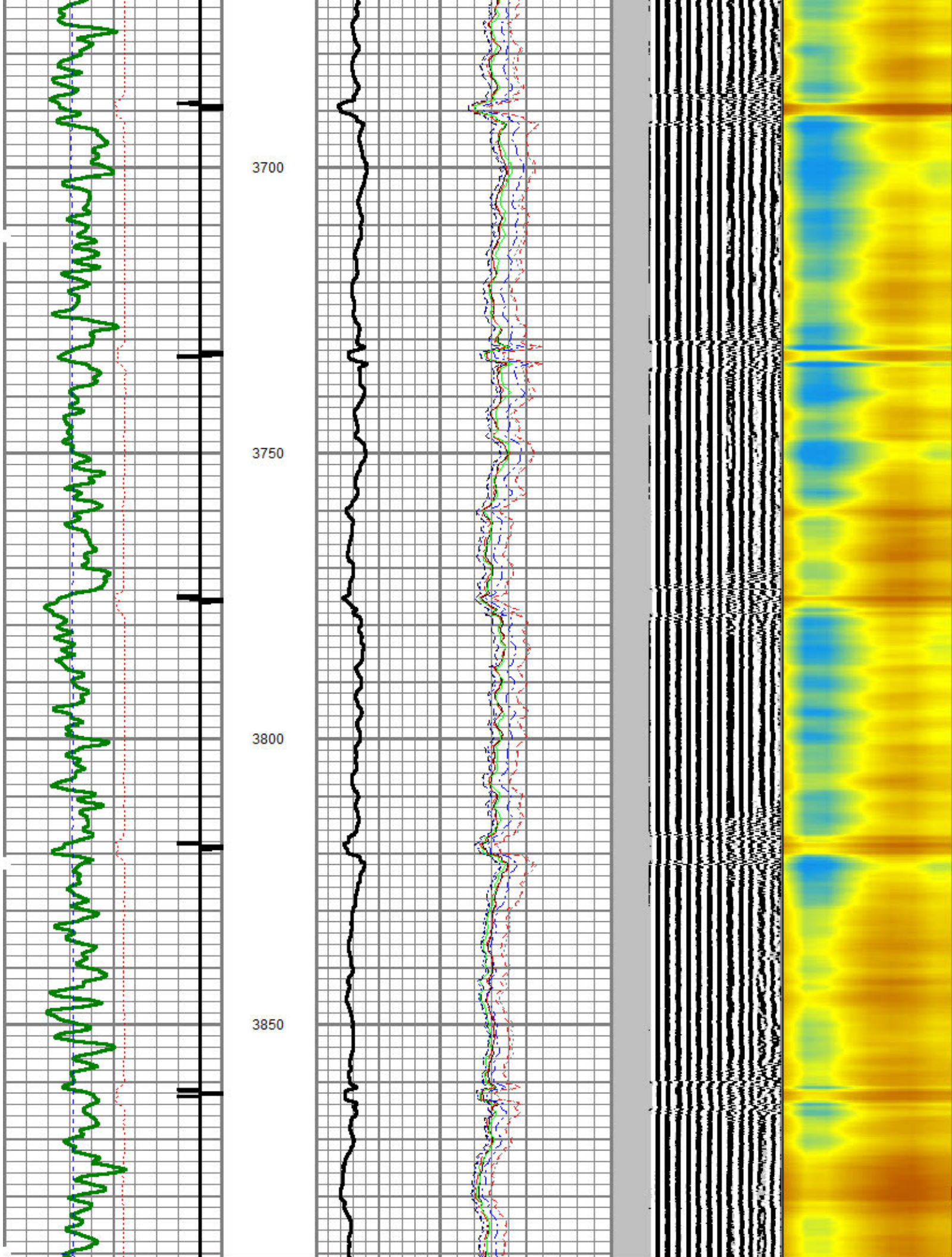


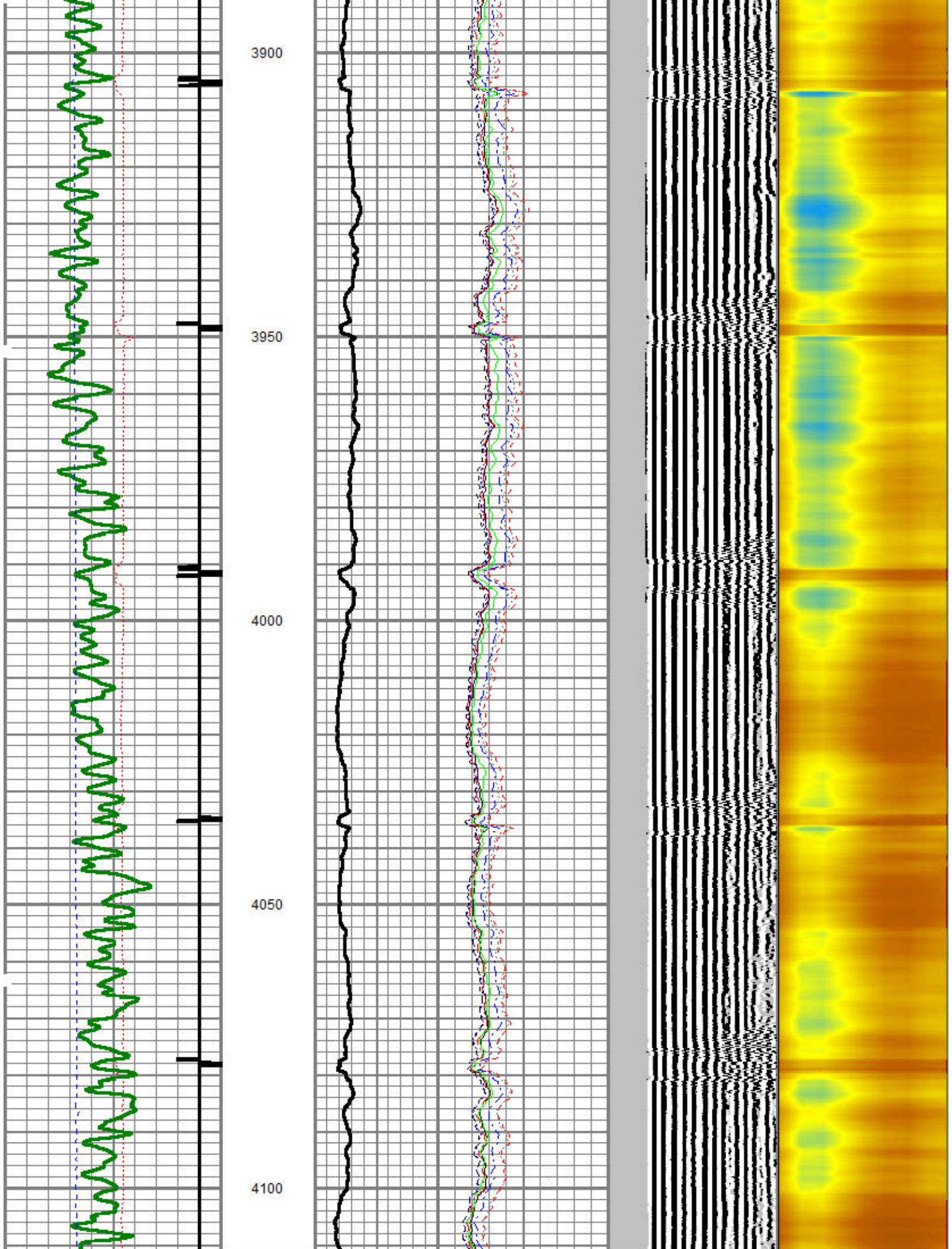


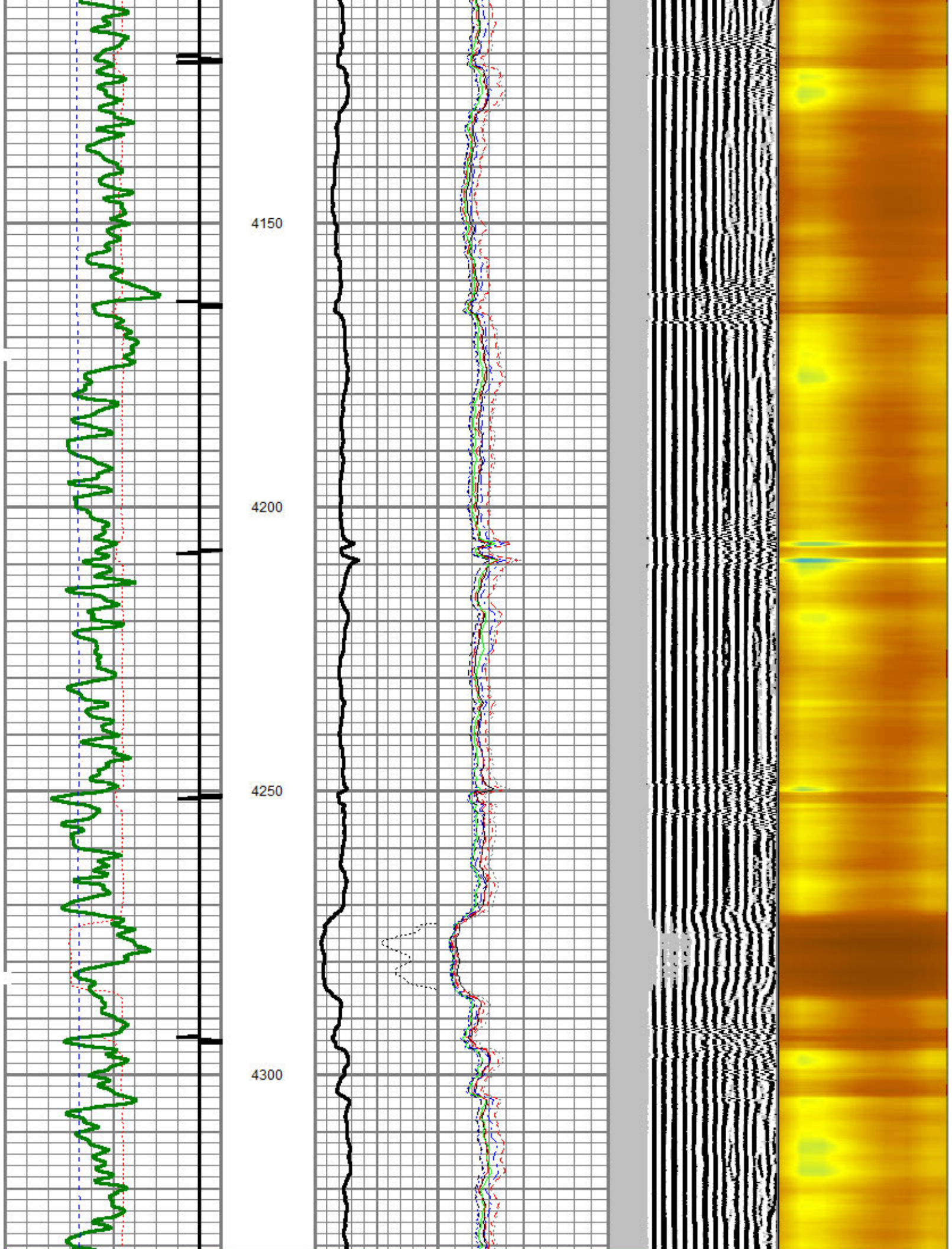


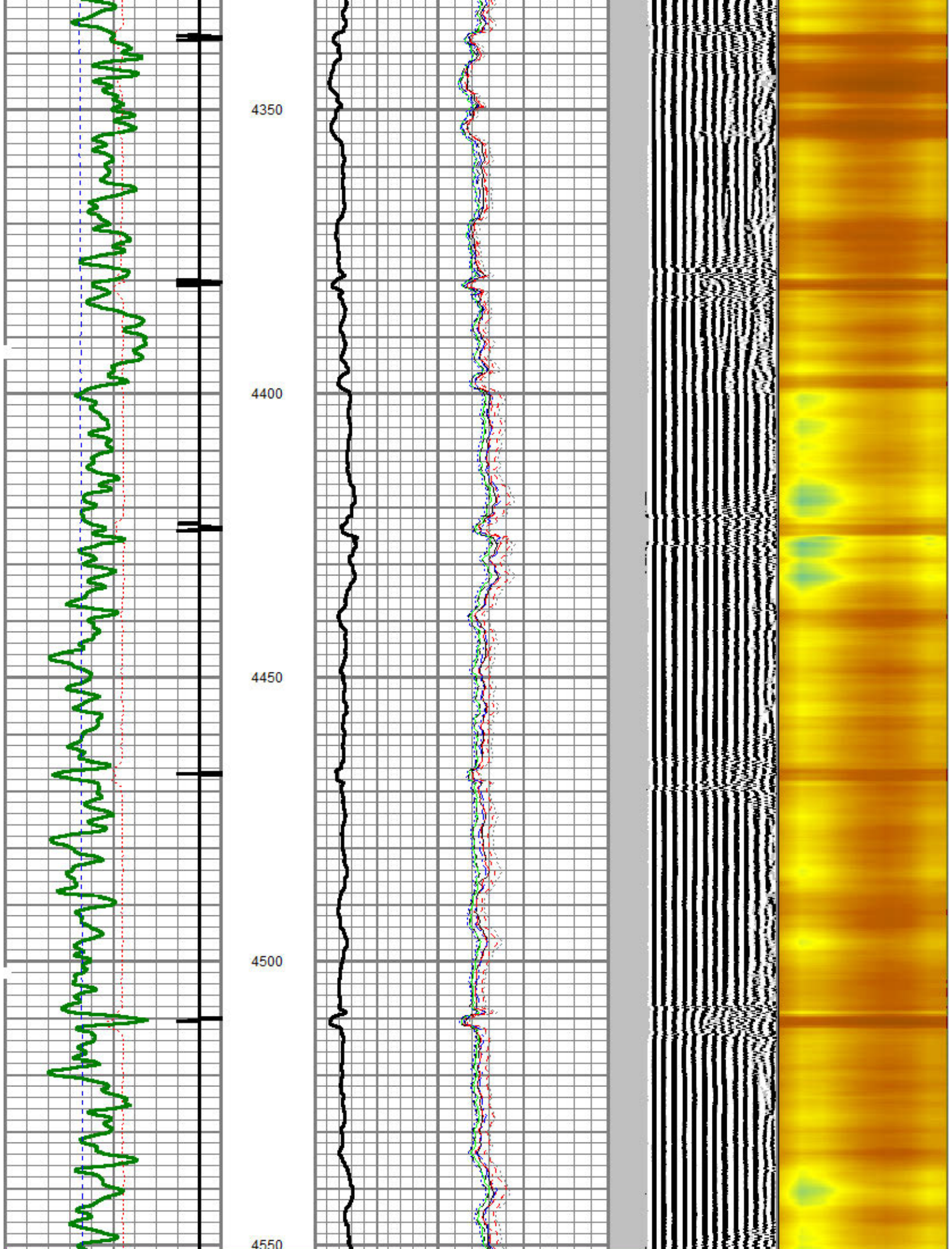


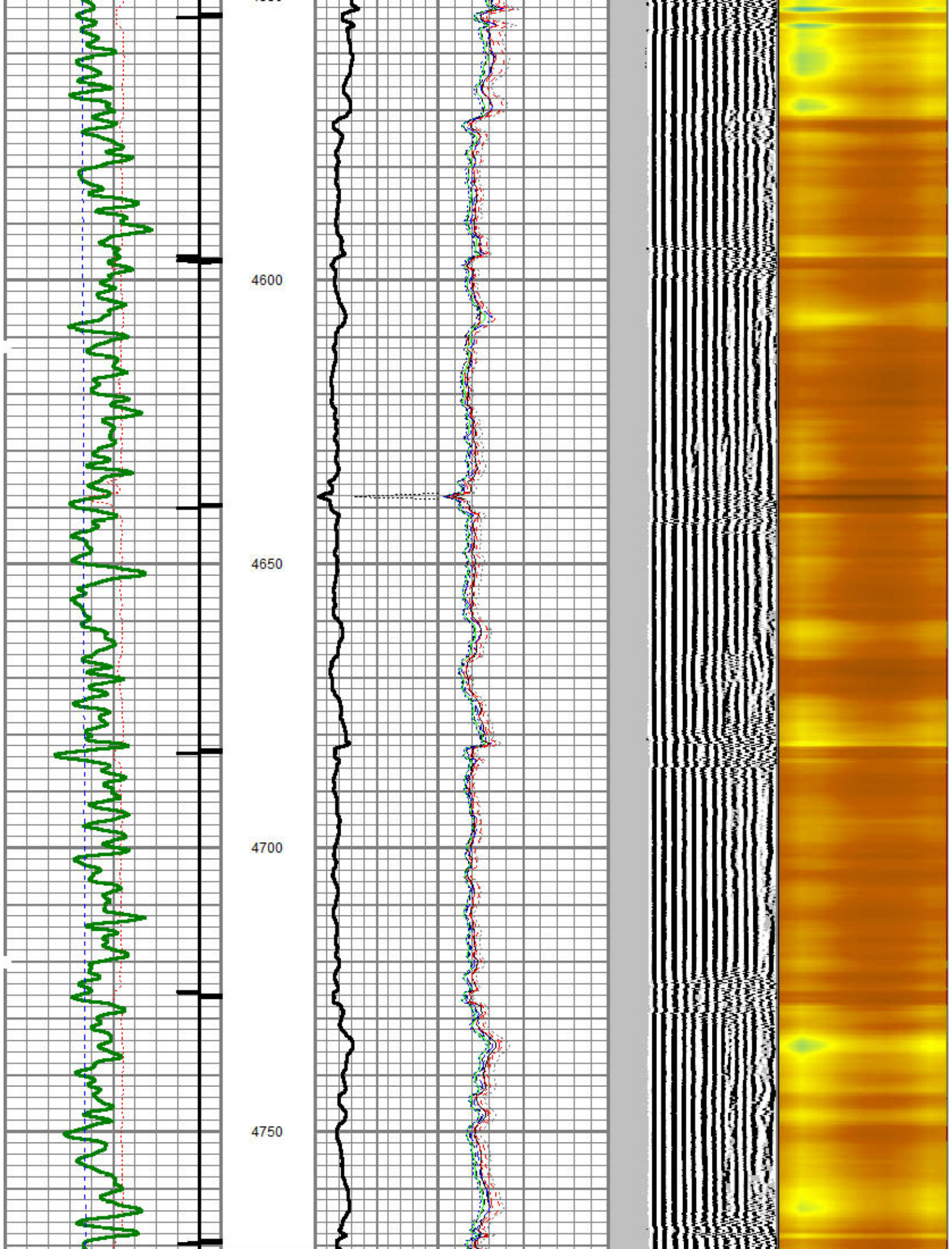


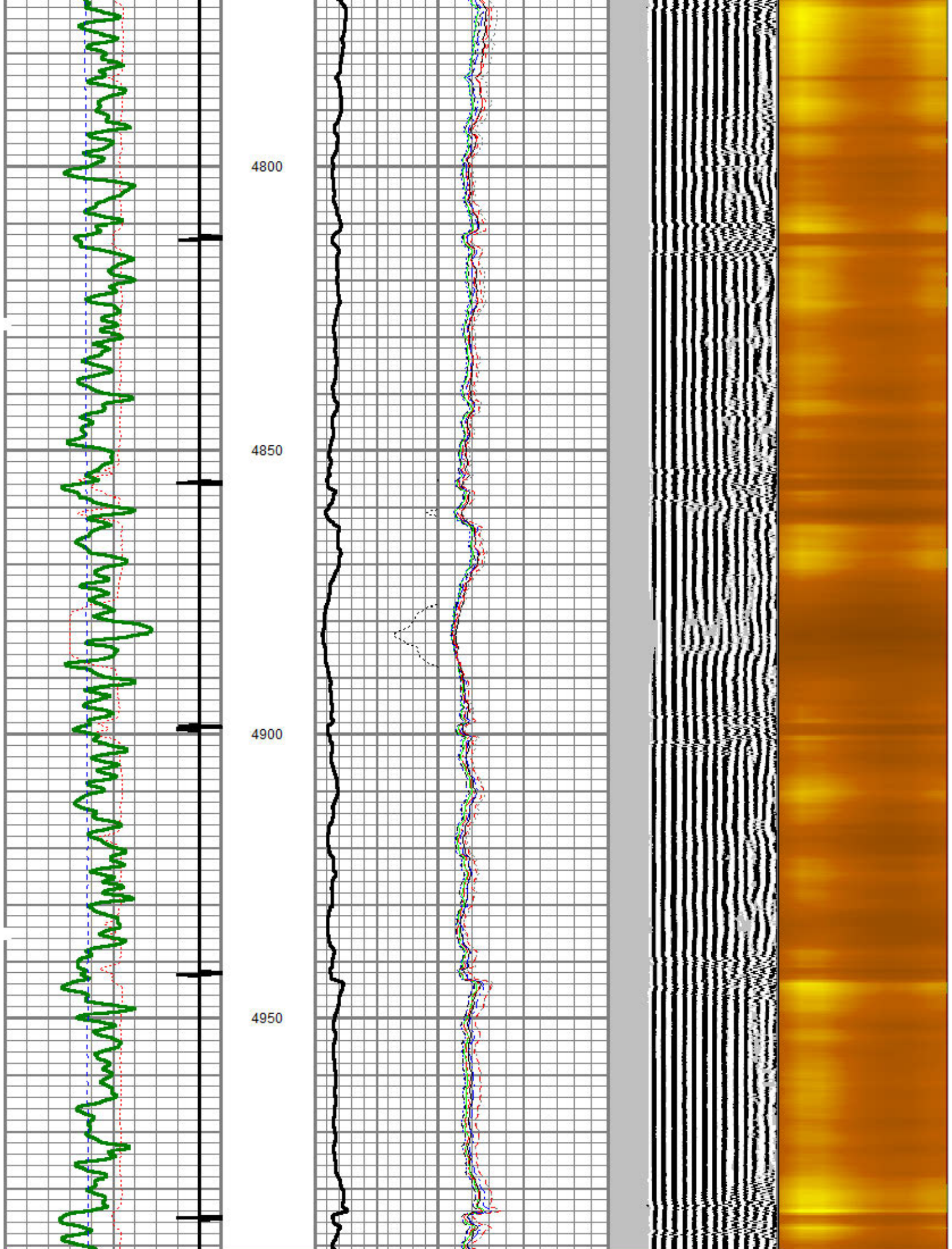


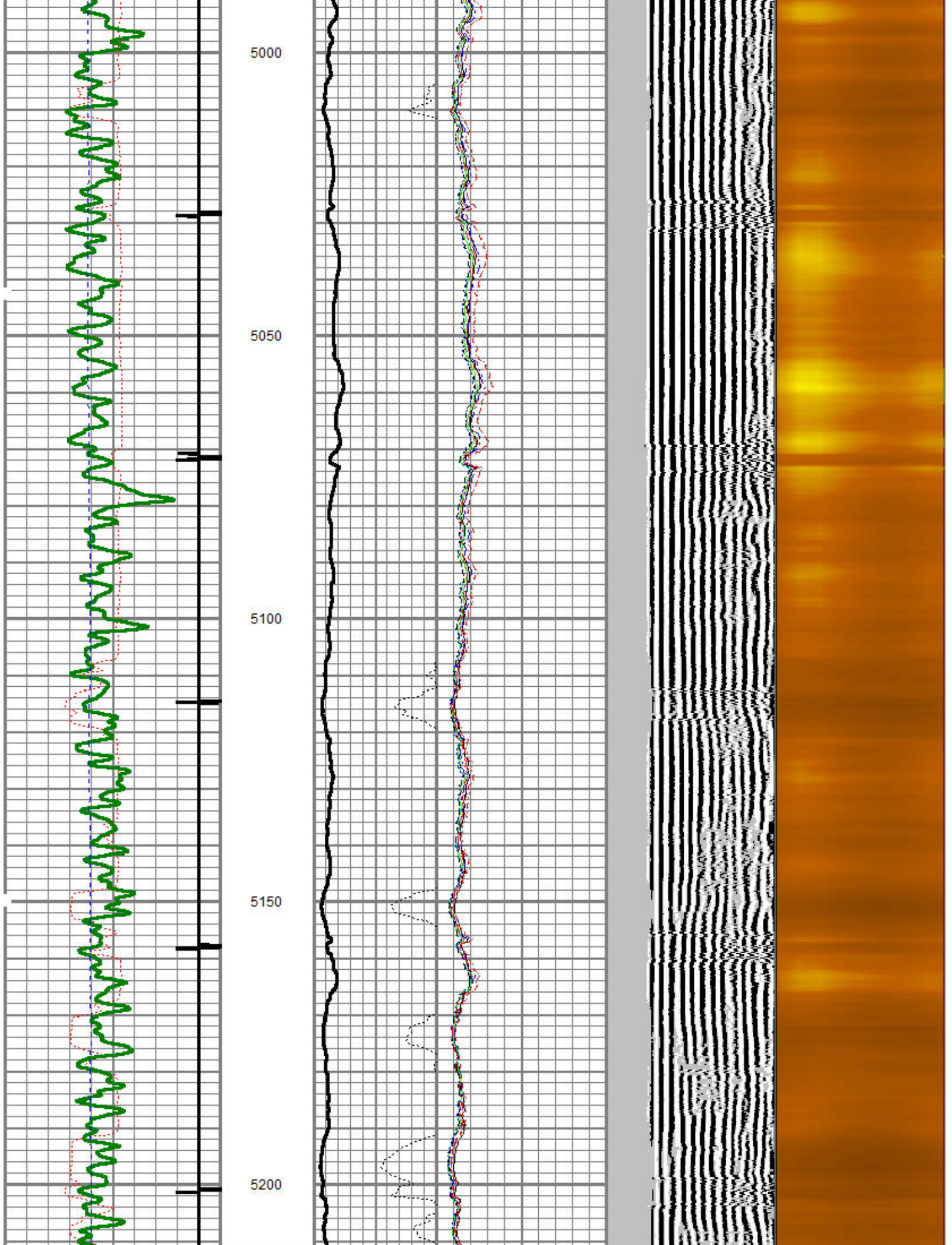


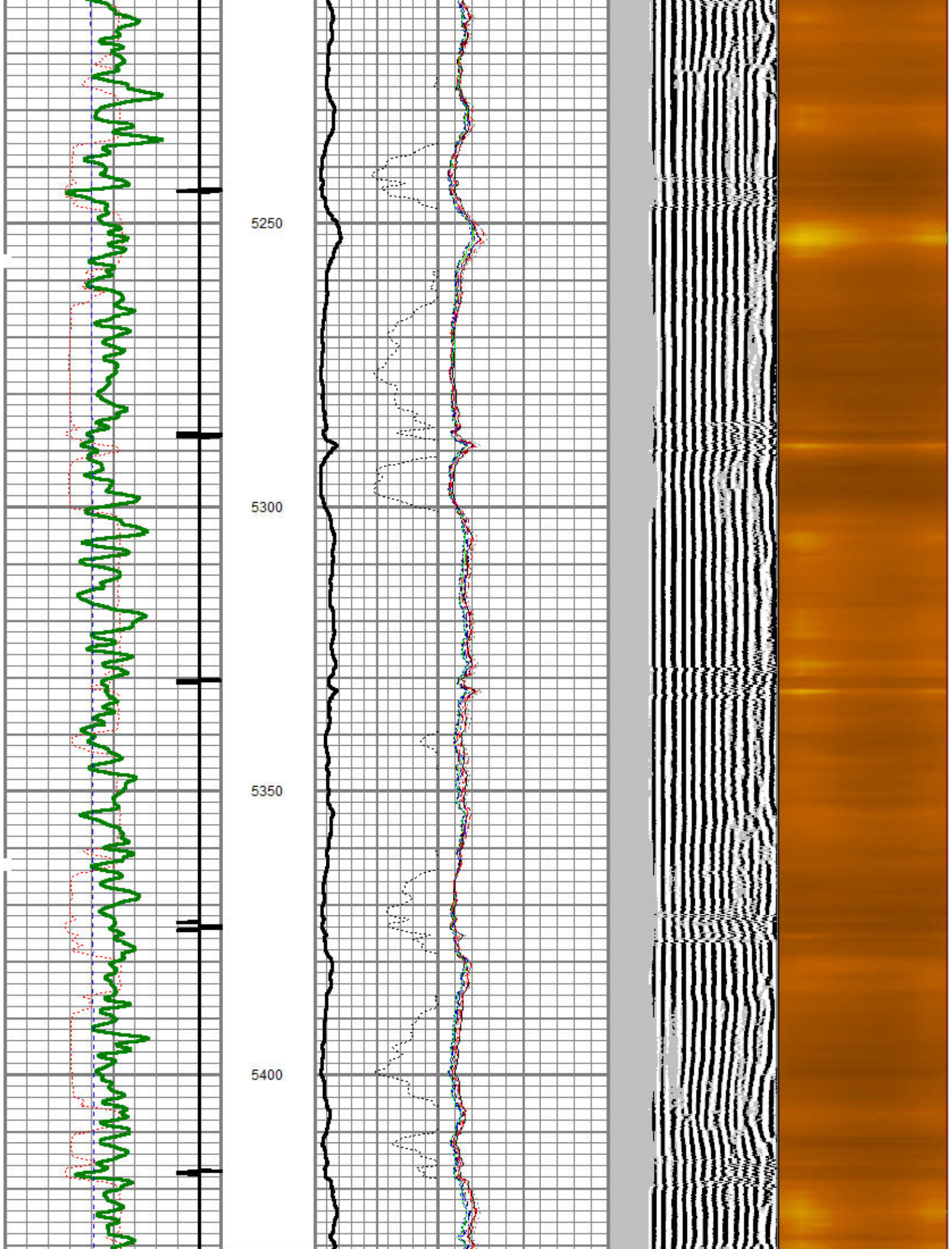


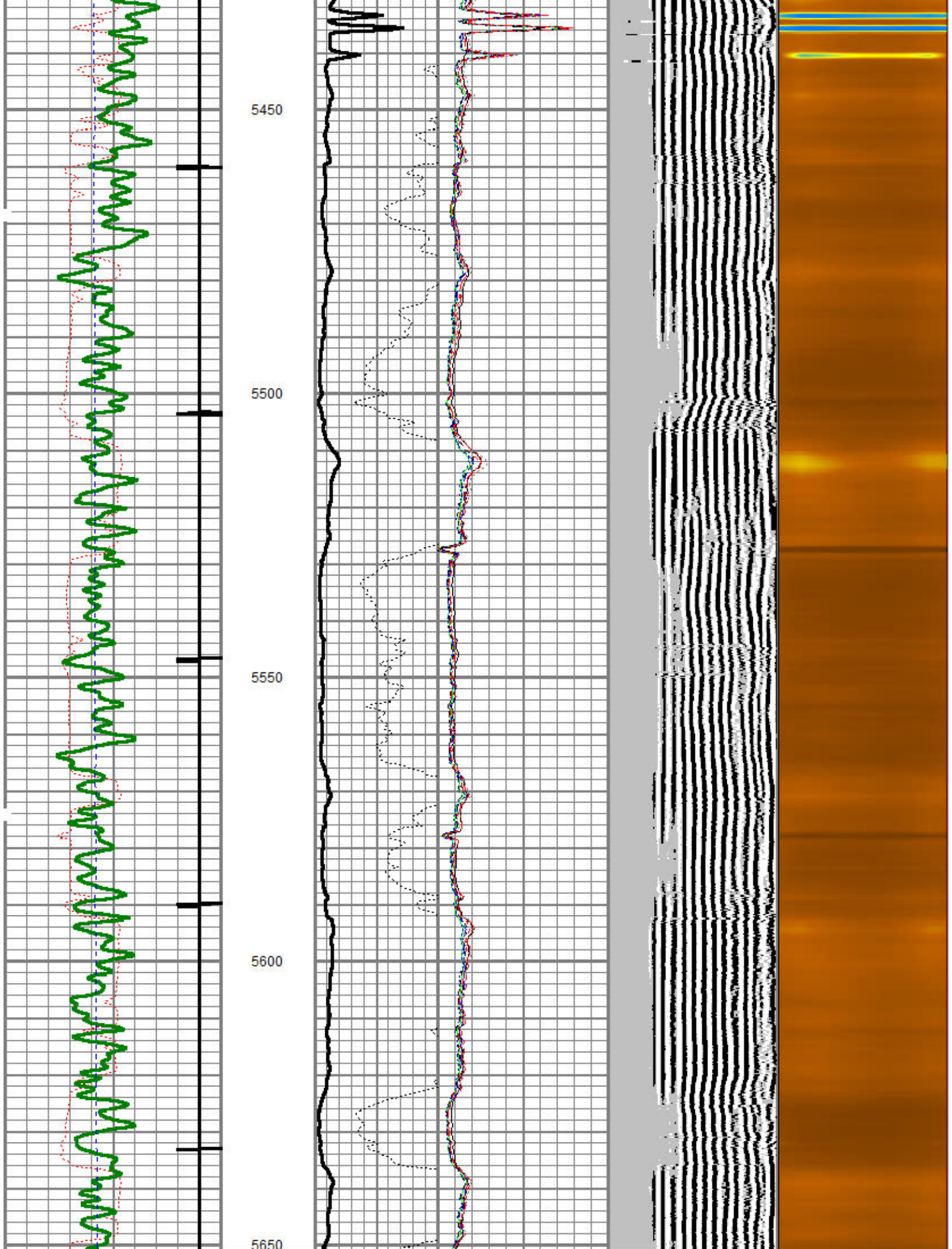


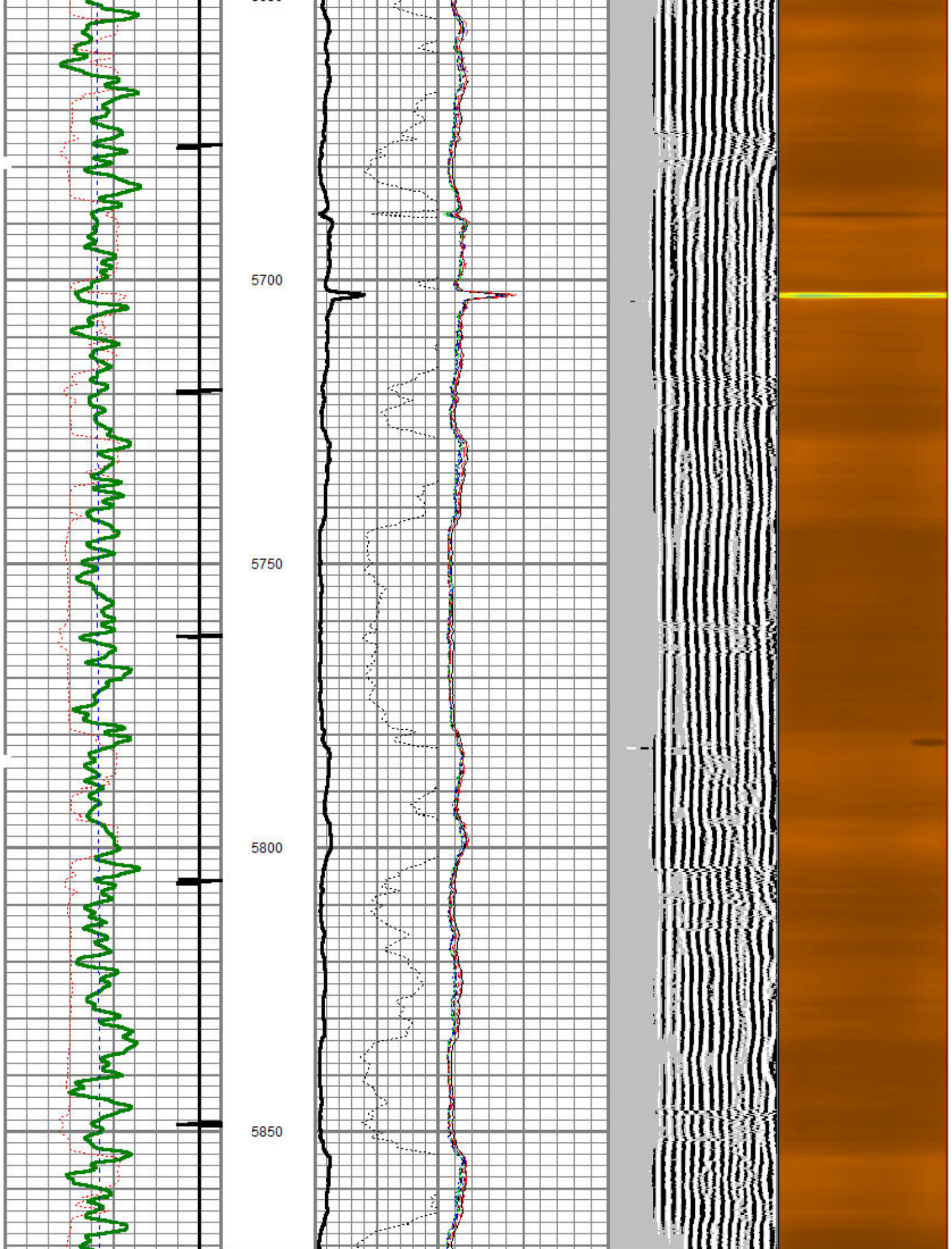


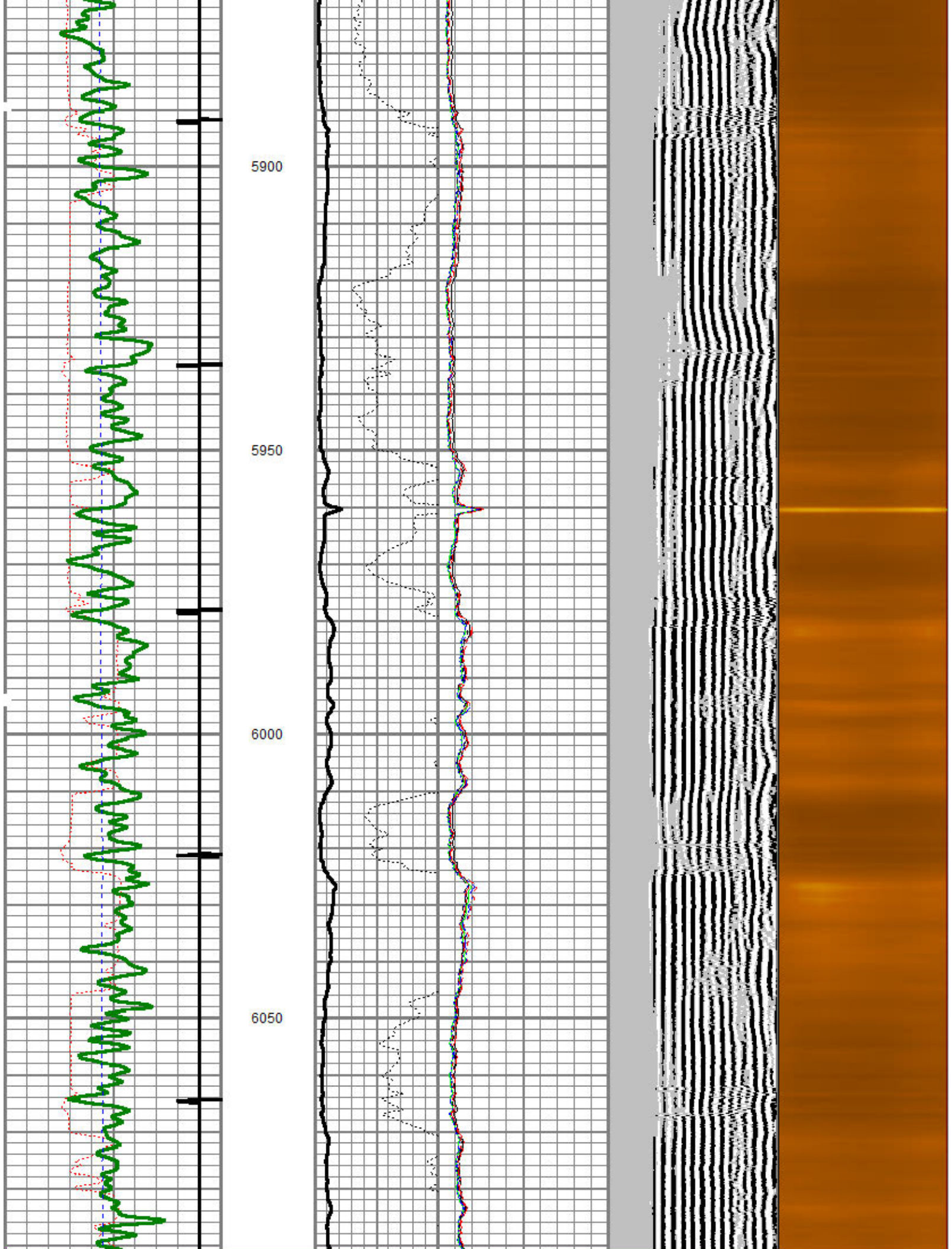


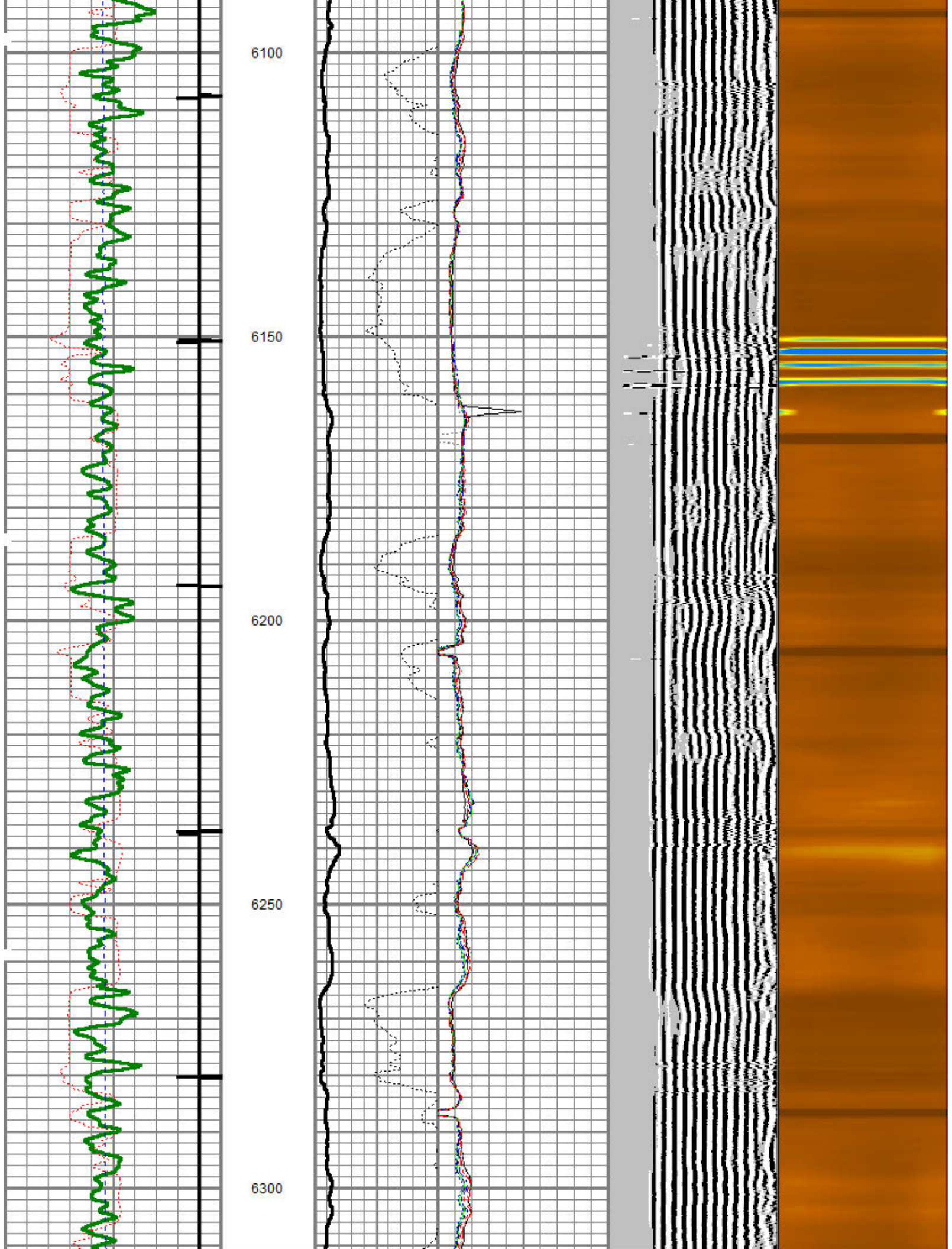


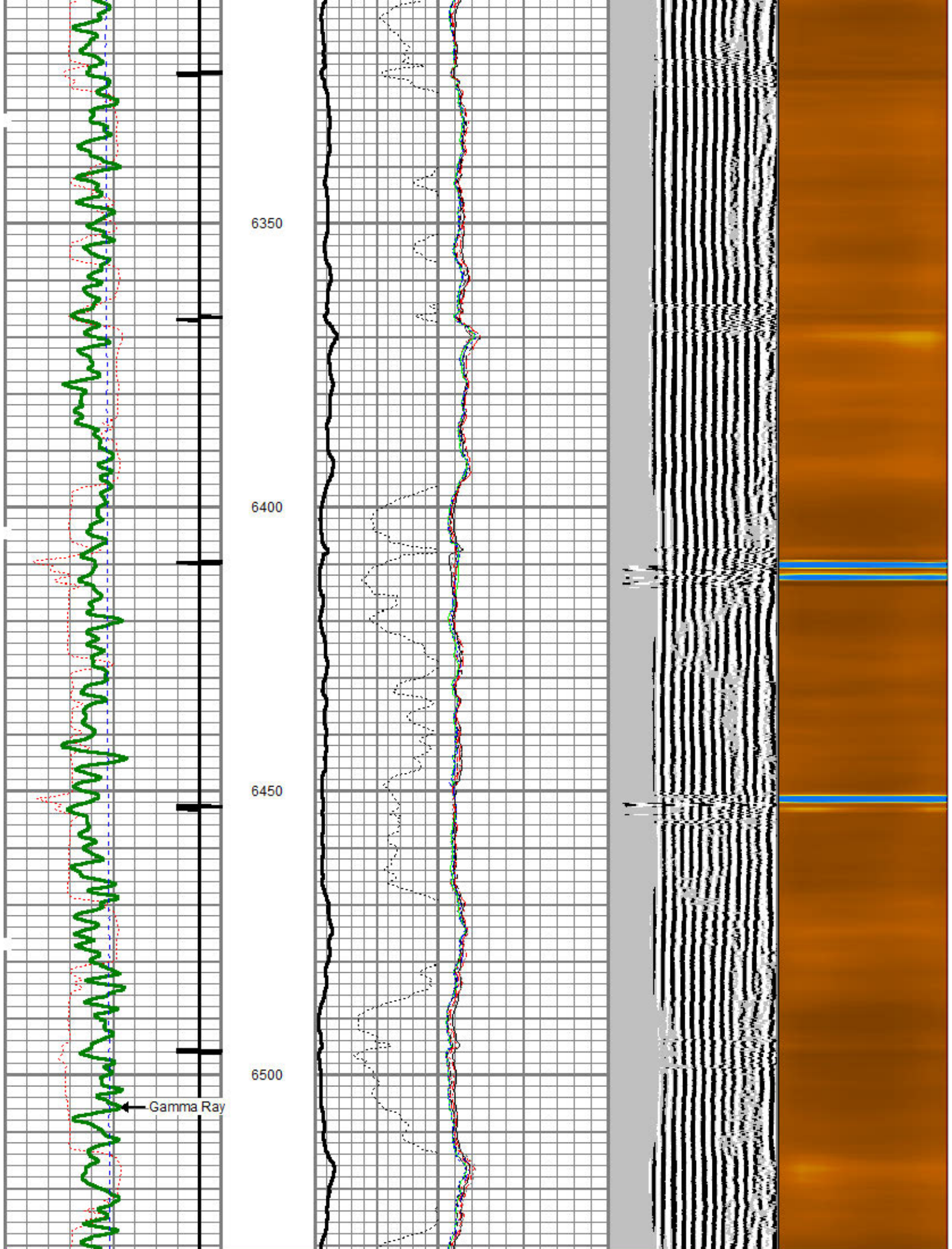


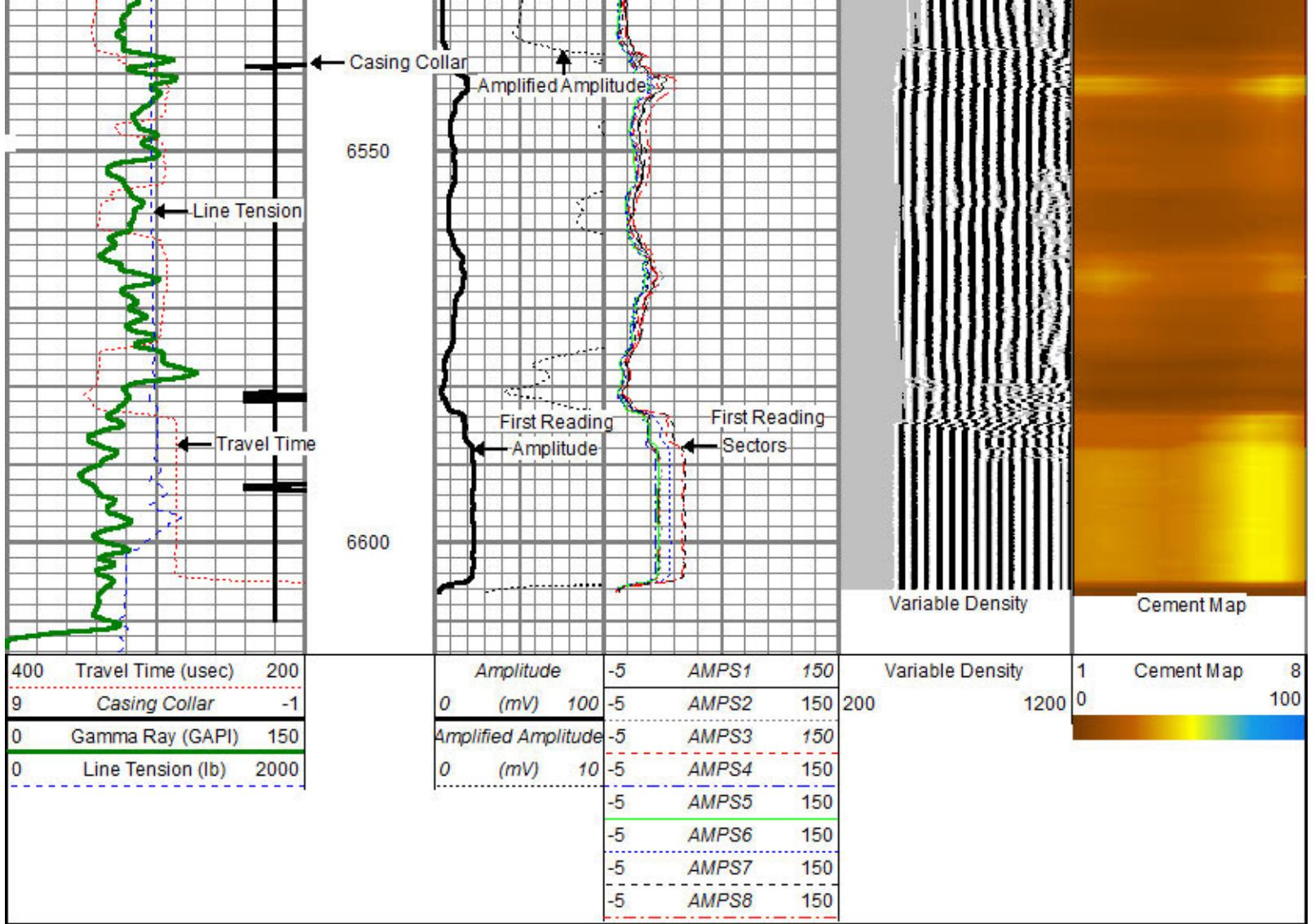






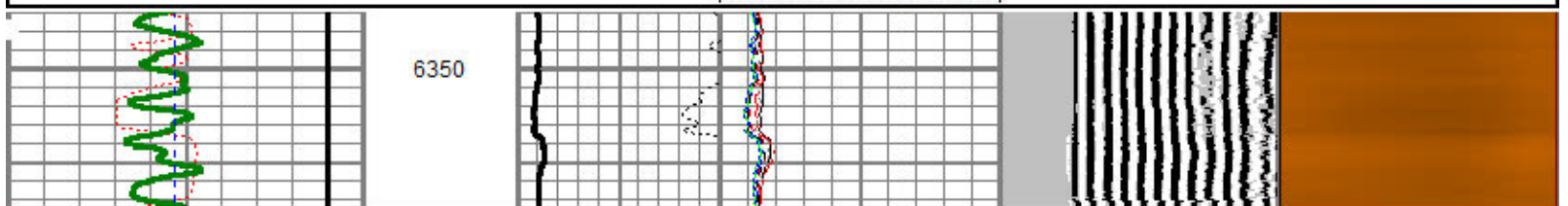
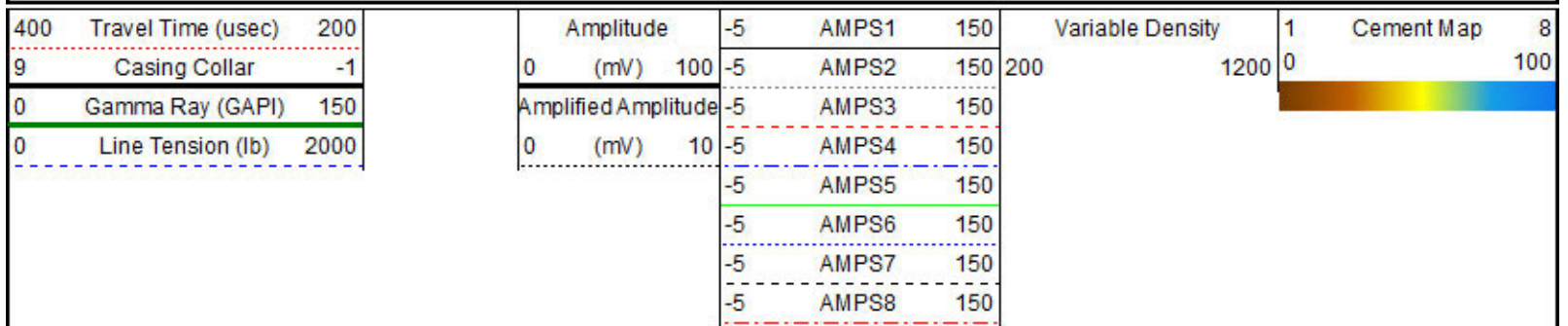


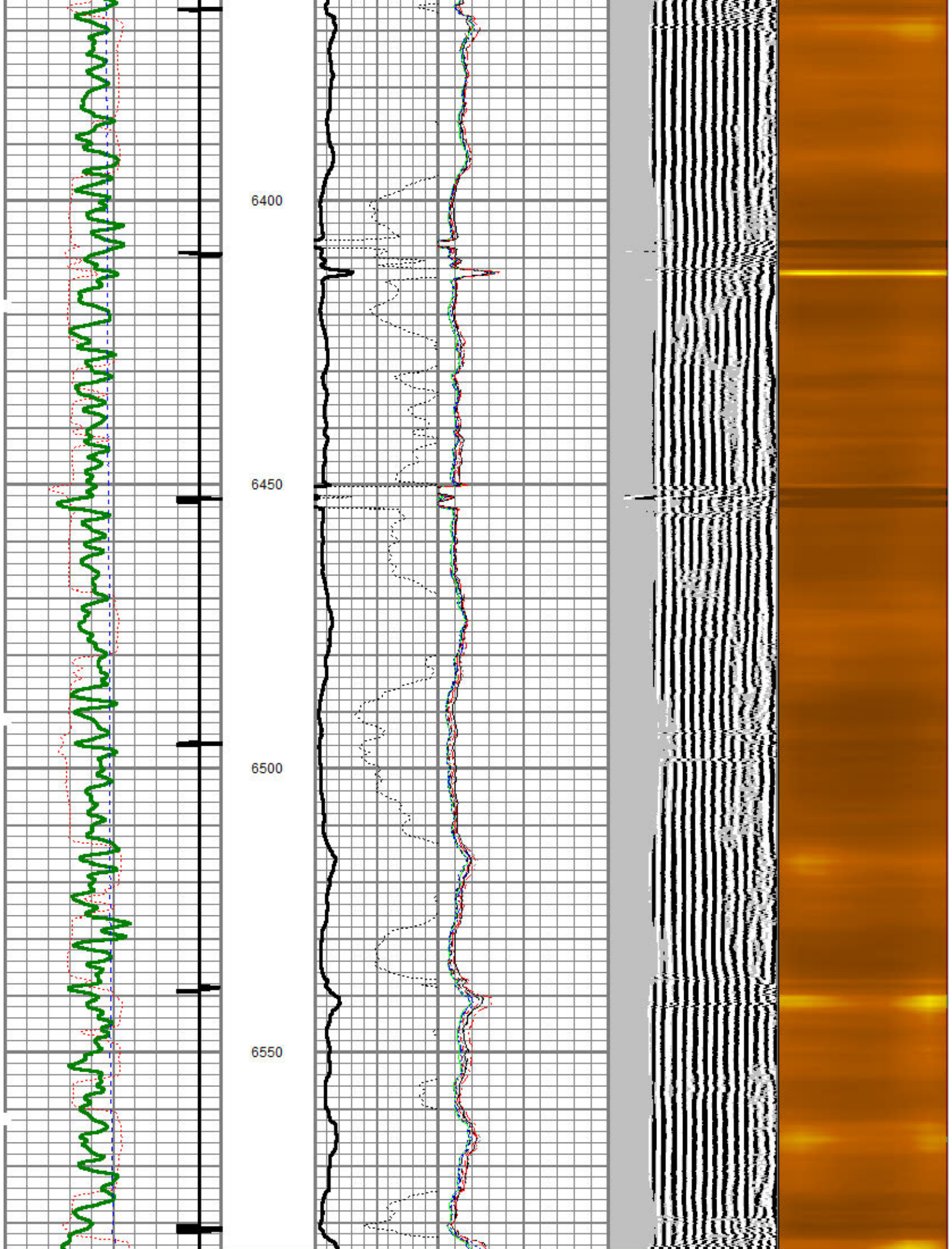


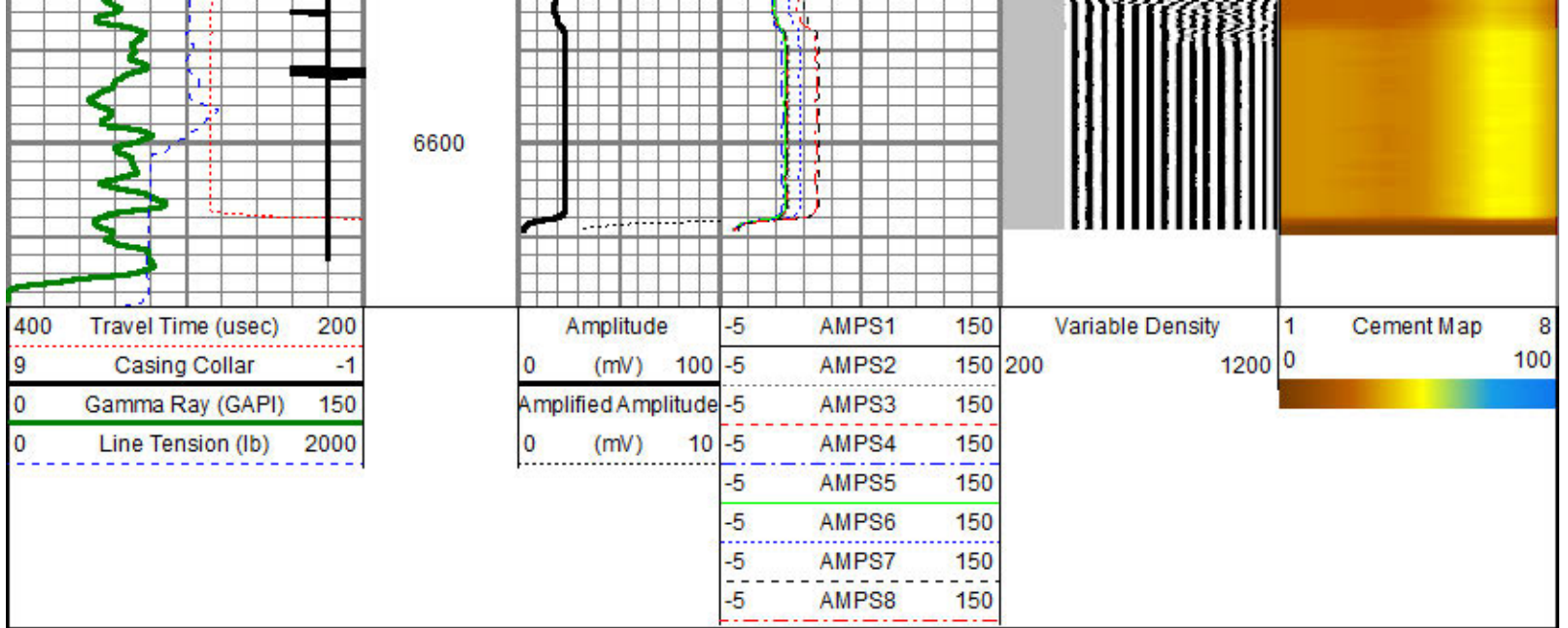


Repeat Pass (0 PSI)

Database File: bayswater matrix k-29hn.db
 Dataset Pathname: pass2
 Presentation Format: scbl03
 Dataset Creation: Tue Mar 24 12:52:02 2015 by Log 0
 Charted by: Depth in Feet scaled 1:240







Calibration Report

Database File: bayswater matrix k-29hn.db
 Dataset Pathname: pass4
 Dataset Creation: Tue Mar 24 12:58:23 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:

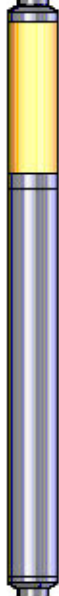
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.022	0.723	1.000	71.921	95.201	3.063
CAL	-0.025	0.734				
5'	-0.021	0.669	1.000	71.921	102.709	3.174
SUM						
S1	-0.091	0.735	0.000	100.000	100.130	4.971
S2	-0.016	0.729	0.000	100.000	134.211	2.200
S3	-0.023	0.714	0.000	100.000	135.690	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
WVFS1	9.12		RBT-Probe (111107) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFS2	9.12					
WVFS3	9.12					
WVFS4	9.12					
WVFS5	9.12					
WVFS6	9.12					
WVFS7	9.12					
WVFS8	9.12					
WVFCAL	9.12					
WVFS5FT	8.03					

CCL	3.88		4.78	2.75	57.00
GR	2.54				

Dataset: bayswater matrix k-29hn.db: field/well/run1/pass4
Total Length: 14.70 ft
Total Weight: 157.00 lb
O.D. 3.71 in