

Radial Cement Bond Variable Density Log W/Gamma Ray/CCL

Company		Cascade	
Well		Gaede A9S-55W-05-85	
Field		Wildcat	
County		Lincoln	
State		Colorado	
Company		Cascade	
Well		Gaede A9S-55W-05-85	
Field		Wildcat	
County		Lincoln	
State		Colorado	
Location:		API #: 05-073-06669	
SEC 5 TWP 9S RGE 55W		SHL: 197' FSL & 1773' FWL	
Permanent Datum		Ground Level	
Log Measured From		15' Kelly Bushing	
Drilling Measured From		Kelly Bushing	
Elevation		5591'	
Other Services		Temp	
K.B. 5606'		D.F. 5605'	
G.L. 5591'			
Date		December 2, 2014	
Run Number		1	
Depth Driller		7990'	
Depth Logger		7944'	
Bottom Logged Interval		7937'	
Top Log Interval		3000'	
Open Hole Size		8.625	
Type Fluid		Fresh Water	
Density / Viscosity		8.33	
Max. Recorded Temp.		-	
Estimated Cement Top		3555'	
Time Well Ready		12:30	
Time Logger on Bottom		12:58	
Equipment Number		13033	
Location		Brighton	
Recorded By		Cody Rall	
Witnessed By		Mike Decker	
Borehole Record		Tubing Record	
Run Number	Bit	From	To
One			
Two			
Three			
Four			
Casing Record	Size	Wd/ft	Top
Surface String			
Prot. String			
Production String	5.5"	17#	Surface
Liner			
Short Joint			7402'

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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

Secondary Log on Well. (Schumberger Open Hole)
Well Logged using 15' KB.

Main & Repeat Pass logged w/0 PSI

Estimated Top Of Cement @ 3555'
Short Joint @ 7402' To 7944'

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

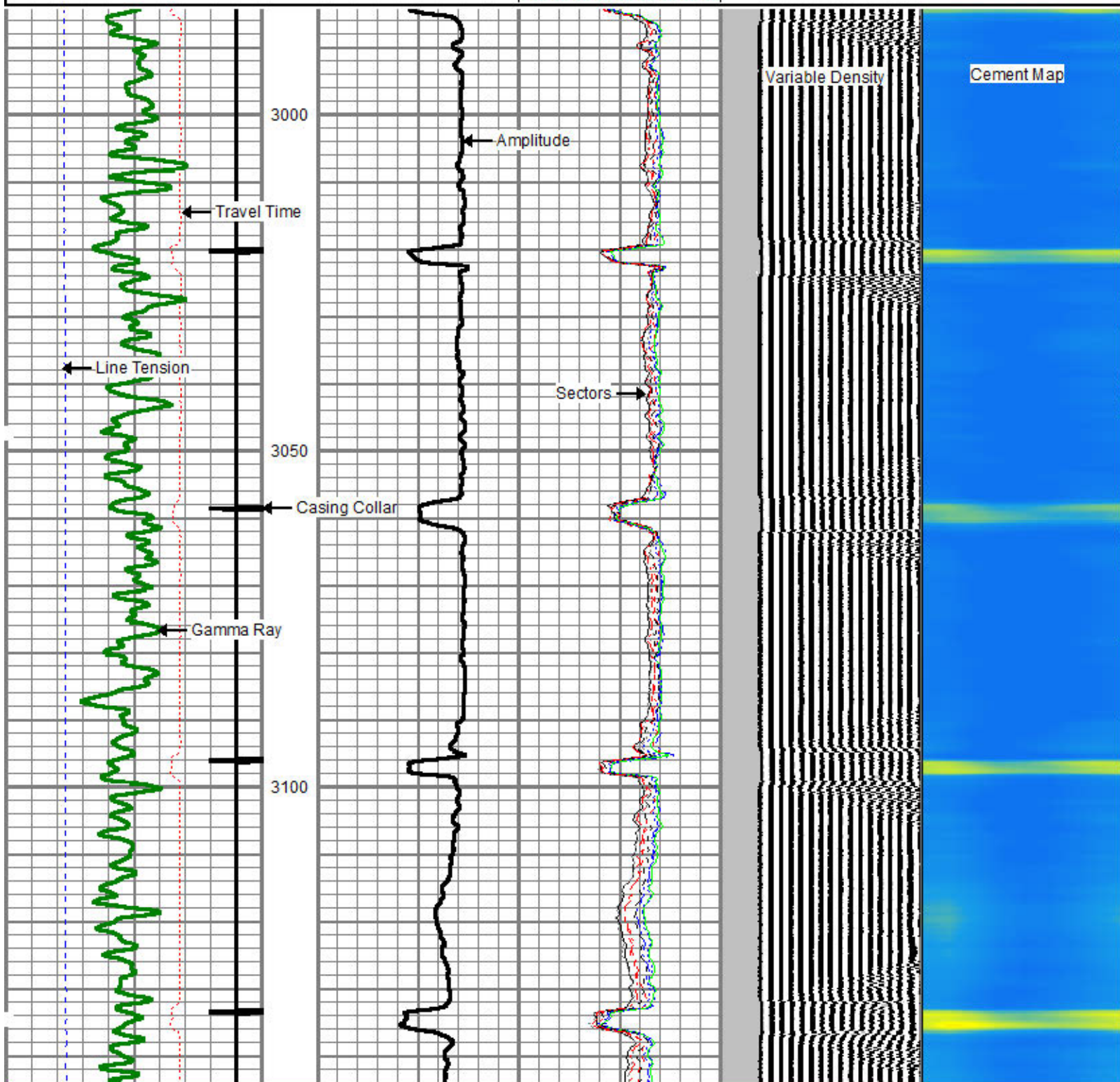
WIRELINE SERVICES

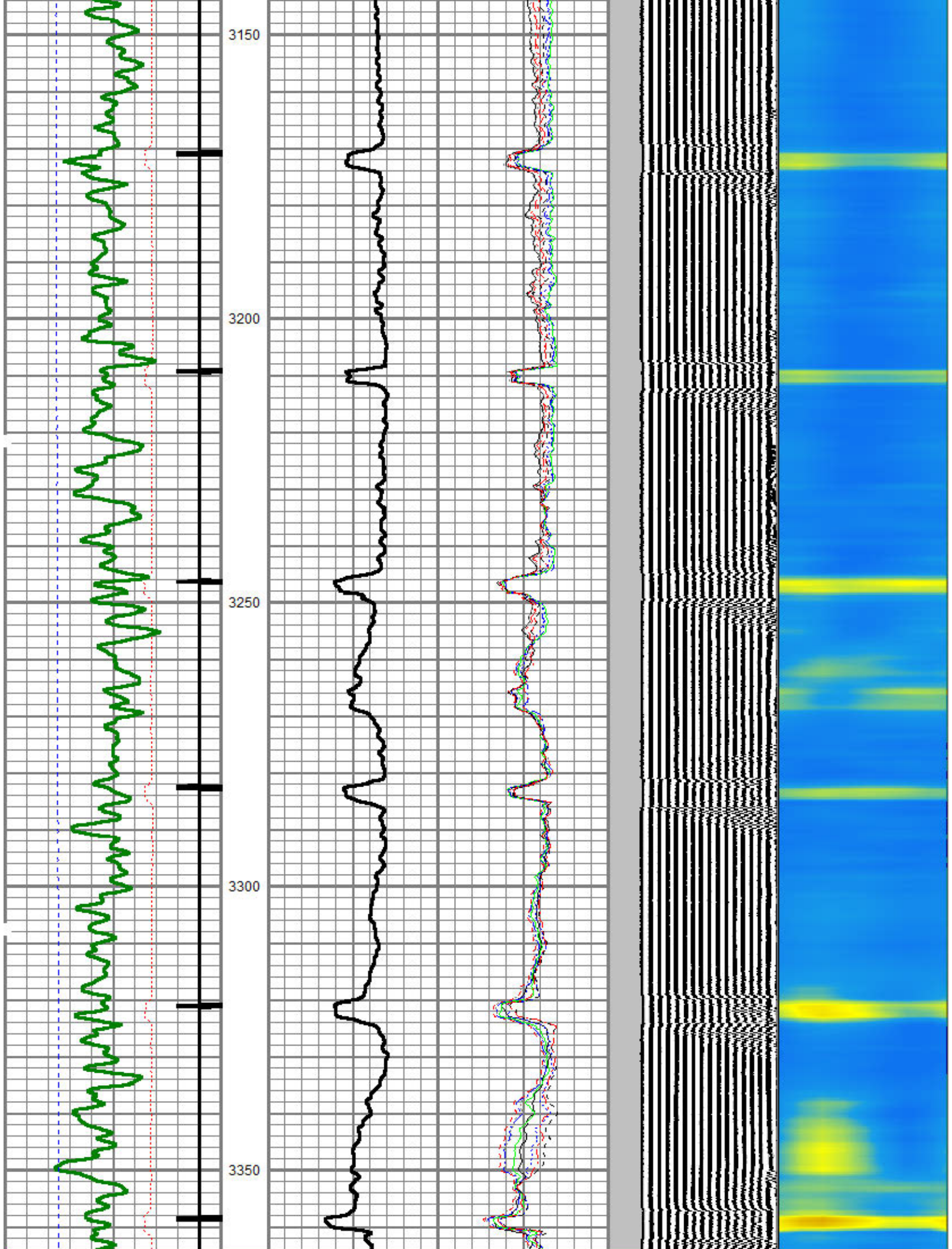
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 Dataset Pathname: pass8
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 Dataset Creation: Tue Dec 02 13:10:56 2014 by Log 0
 Charted by: Depth in Feet scaled 1:240

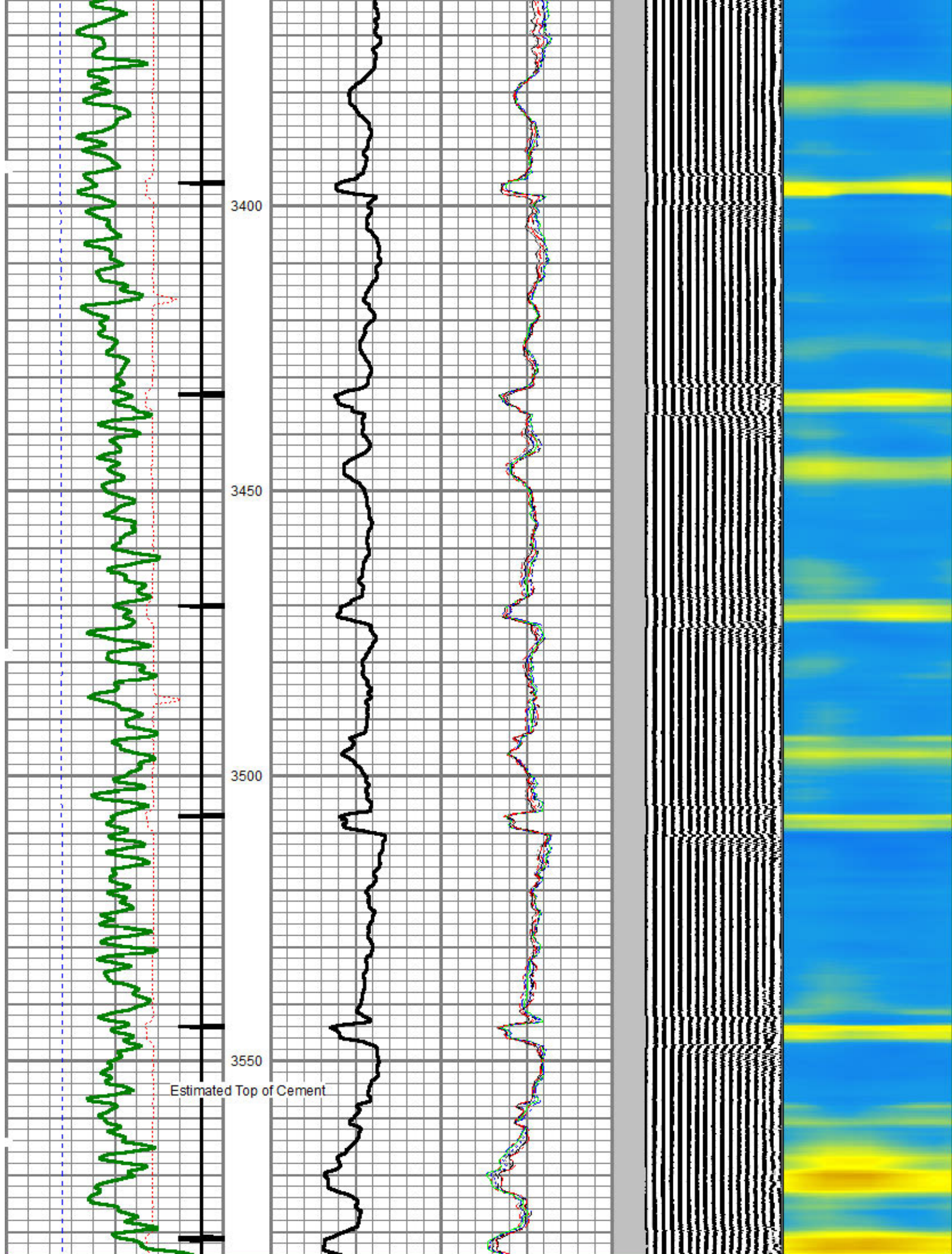
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9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

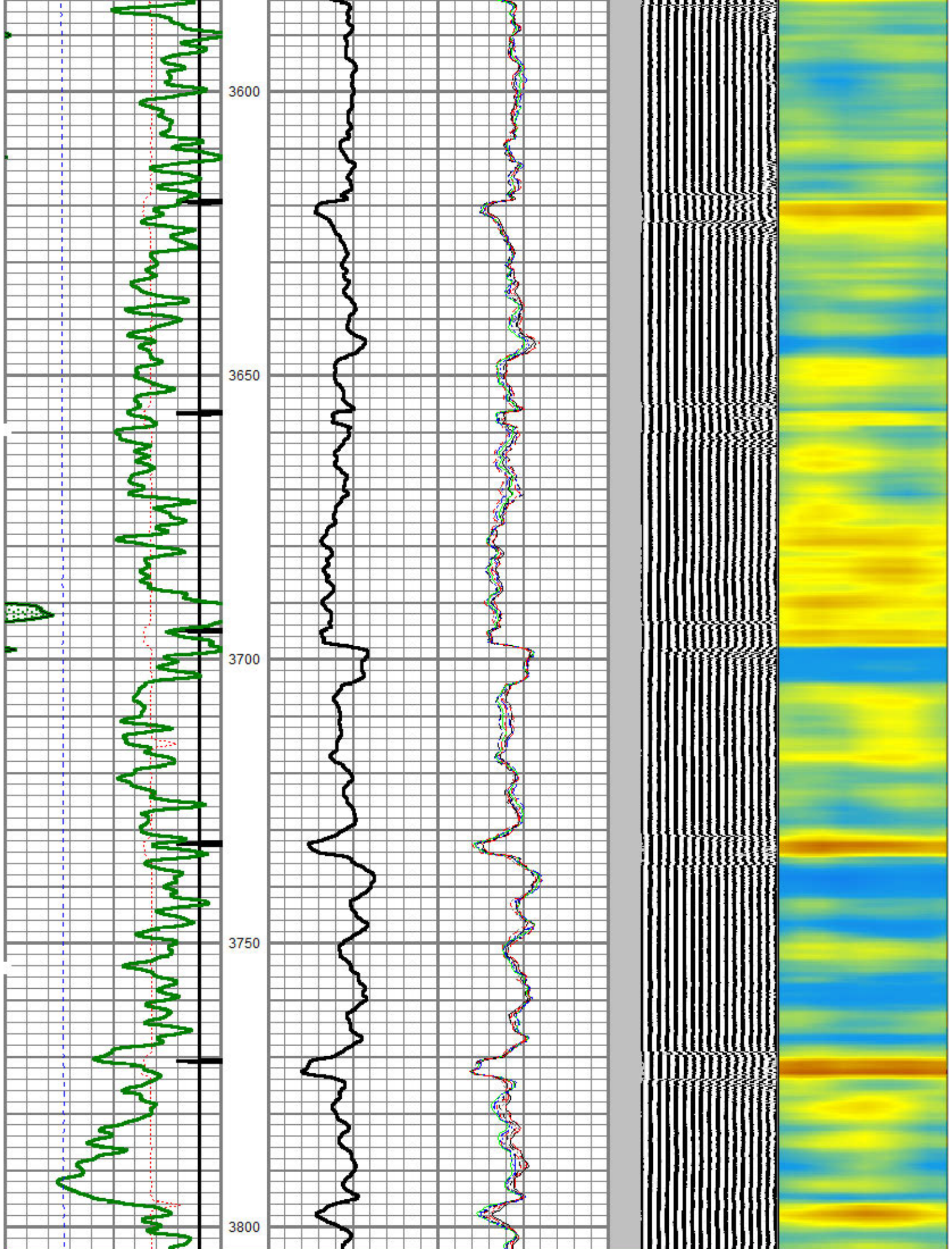
0	Amplitude (mV)	100
-5	AMPS1	150
-5	AMPS2	150
-5	AMPS3	150
-5	AMPS4	150
-5	AMPS5	150
-5	AMPS6	150
-5	AMPS7	150
-5	AMPS8	150

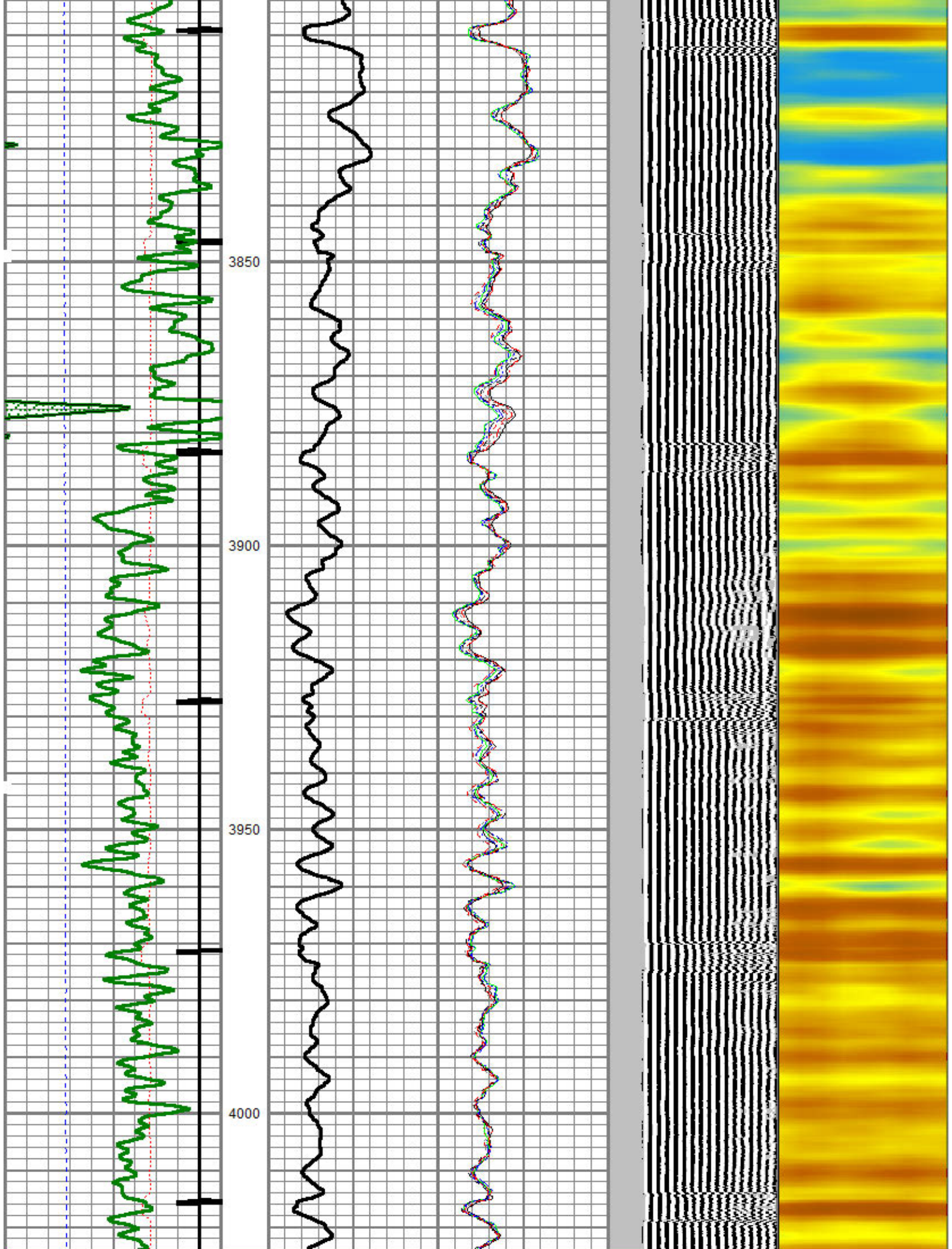
Variable Density 1 Cement Map 8
 200 1200 0 100

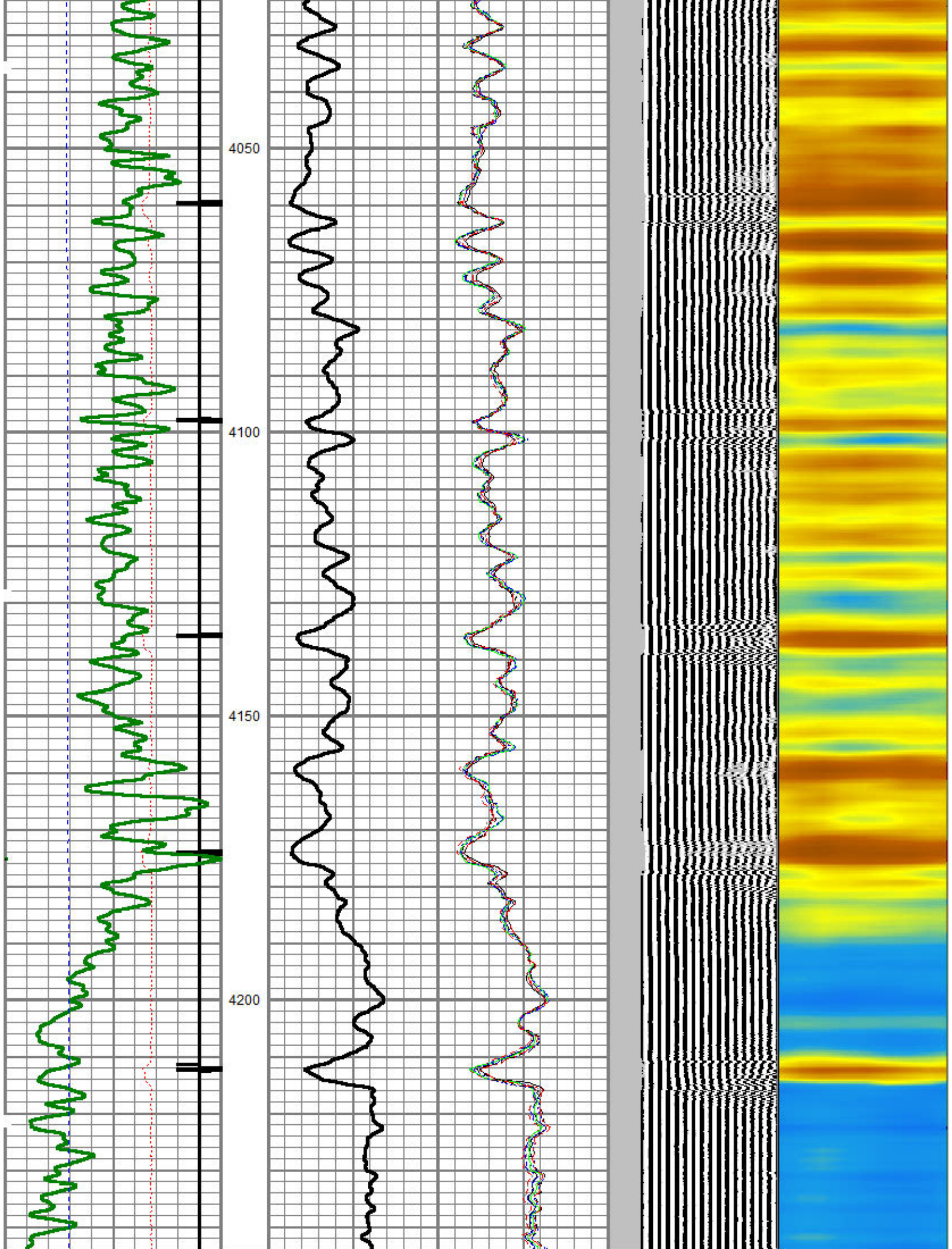


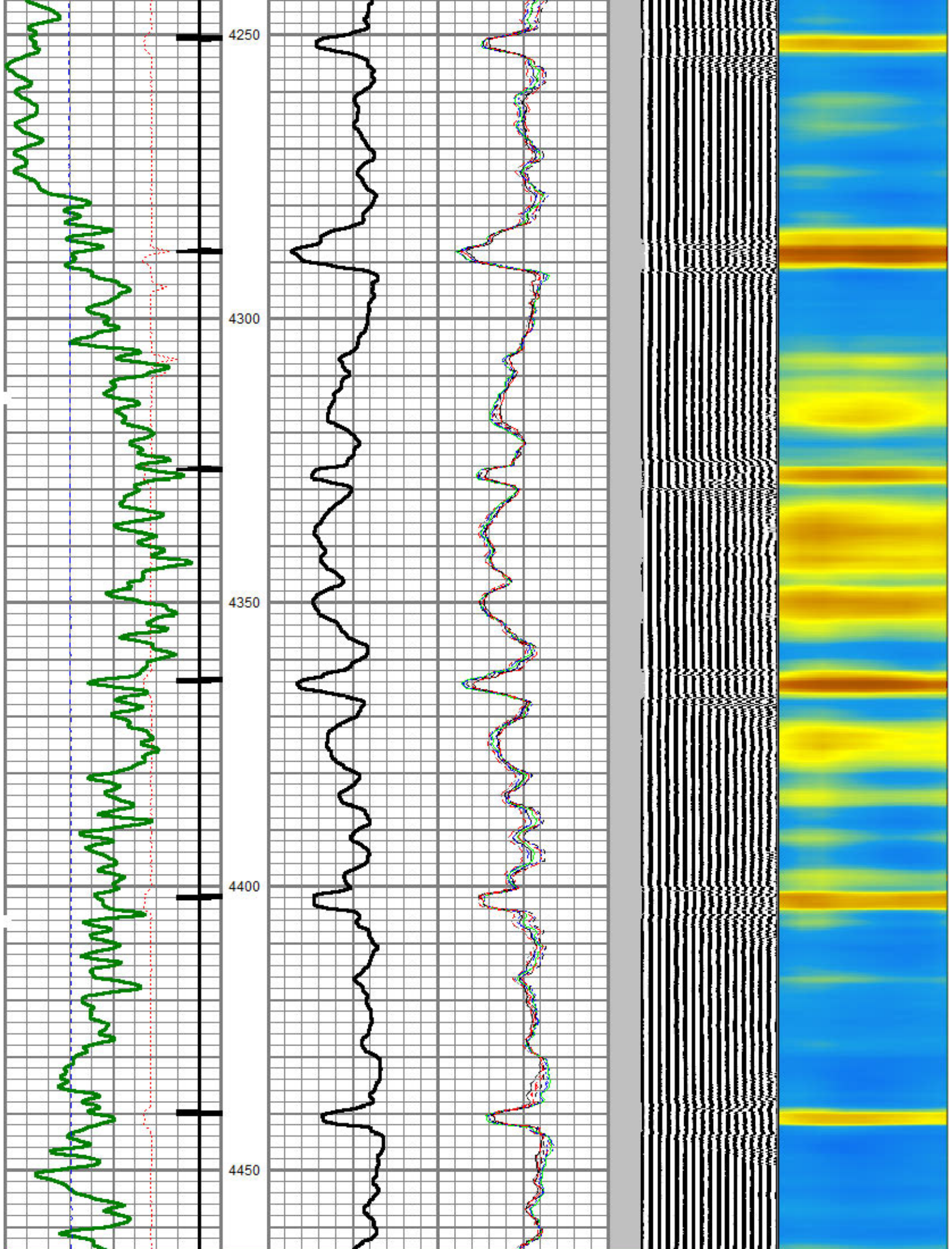


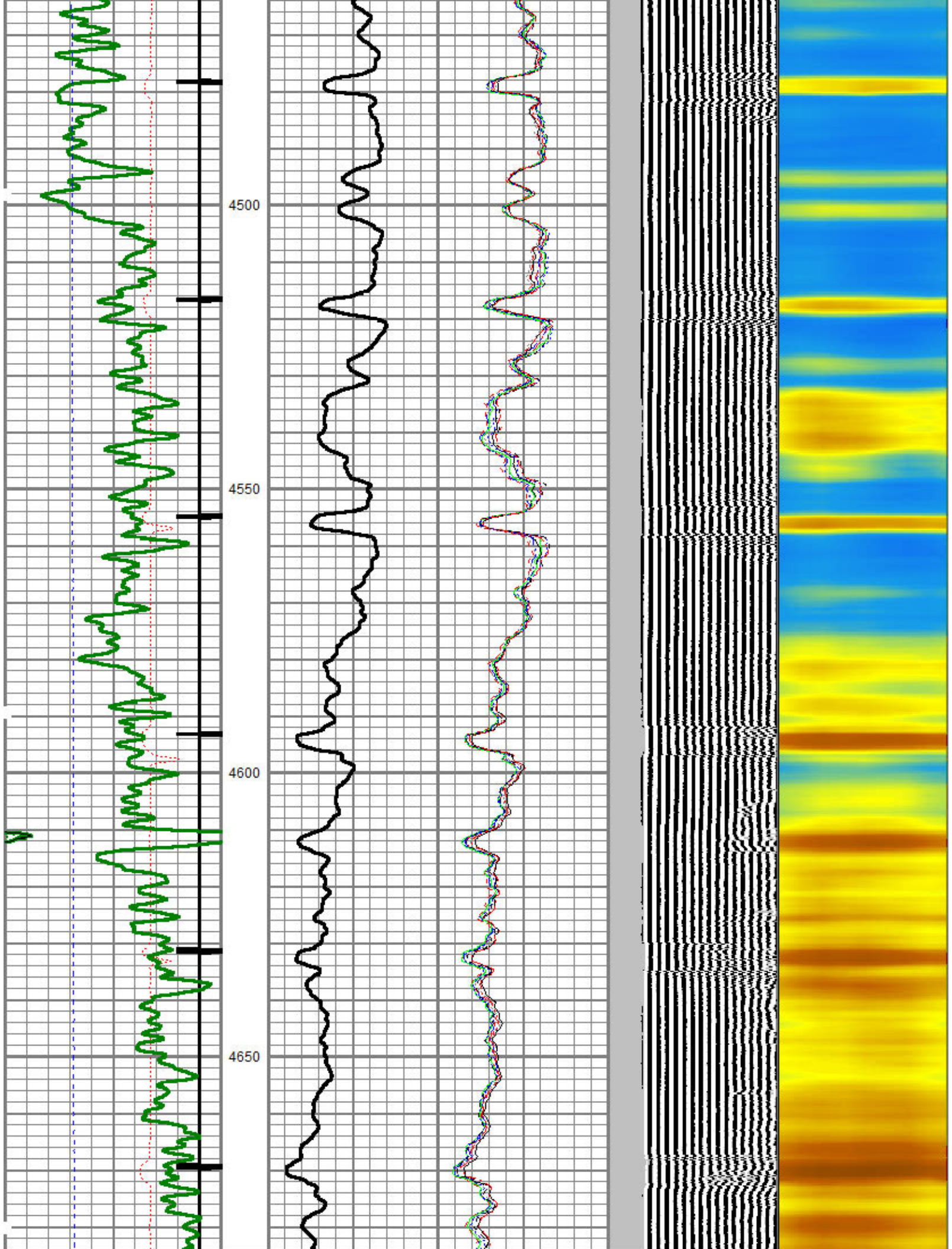


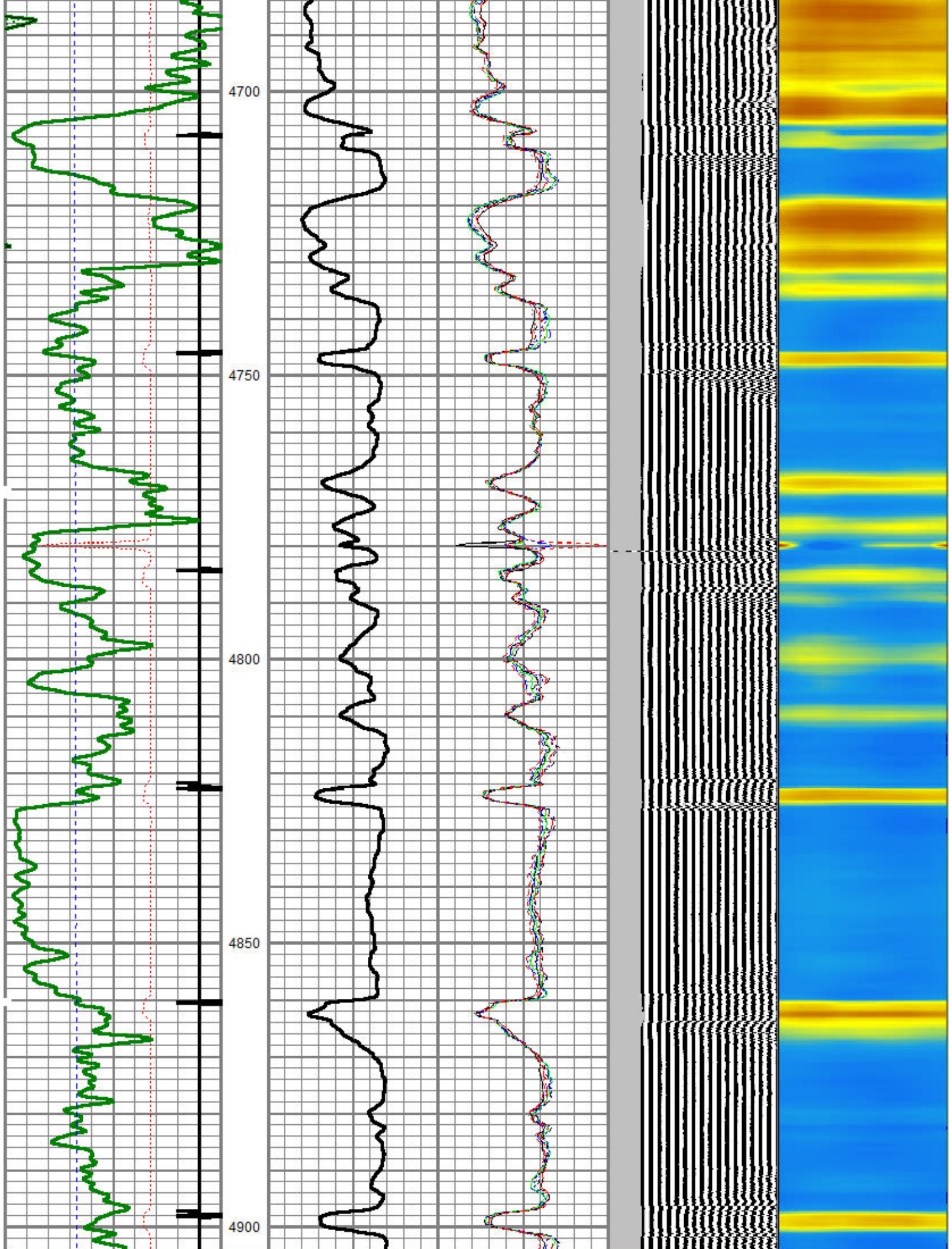


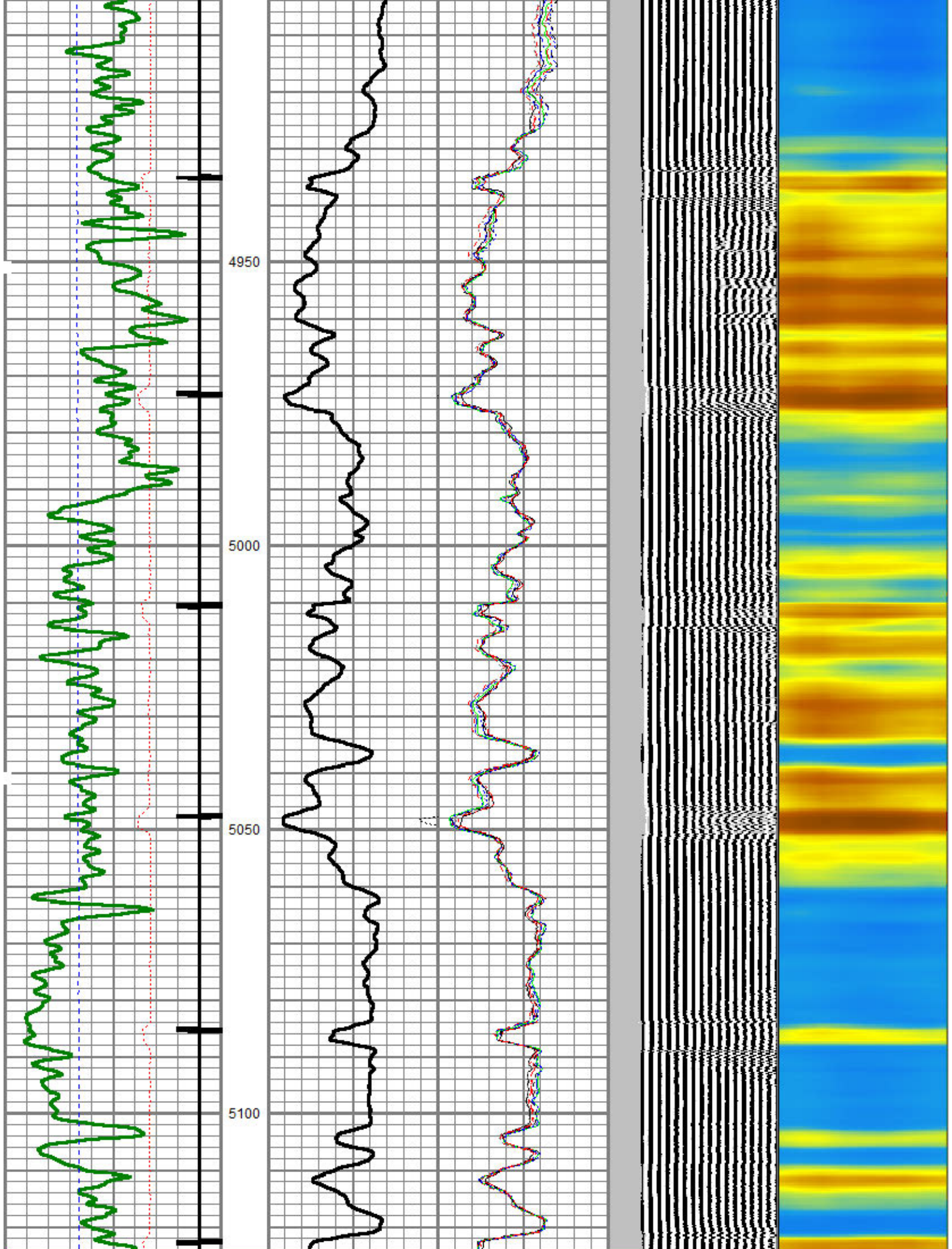


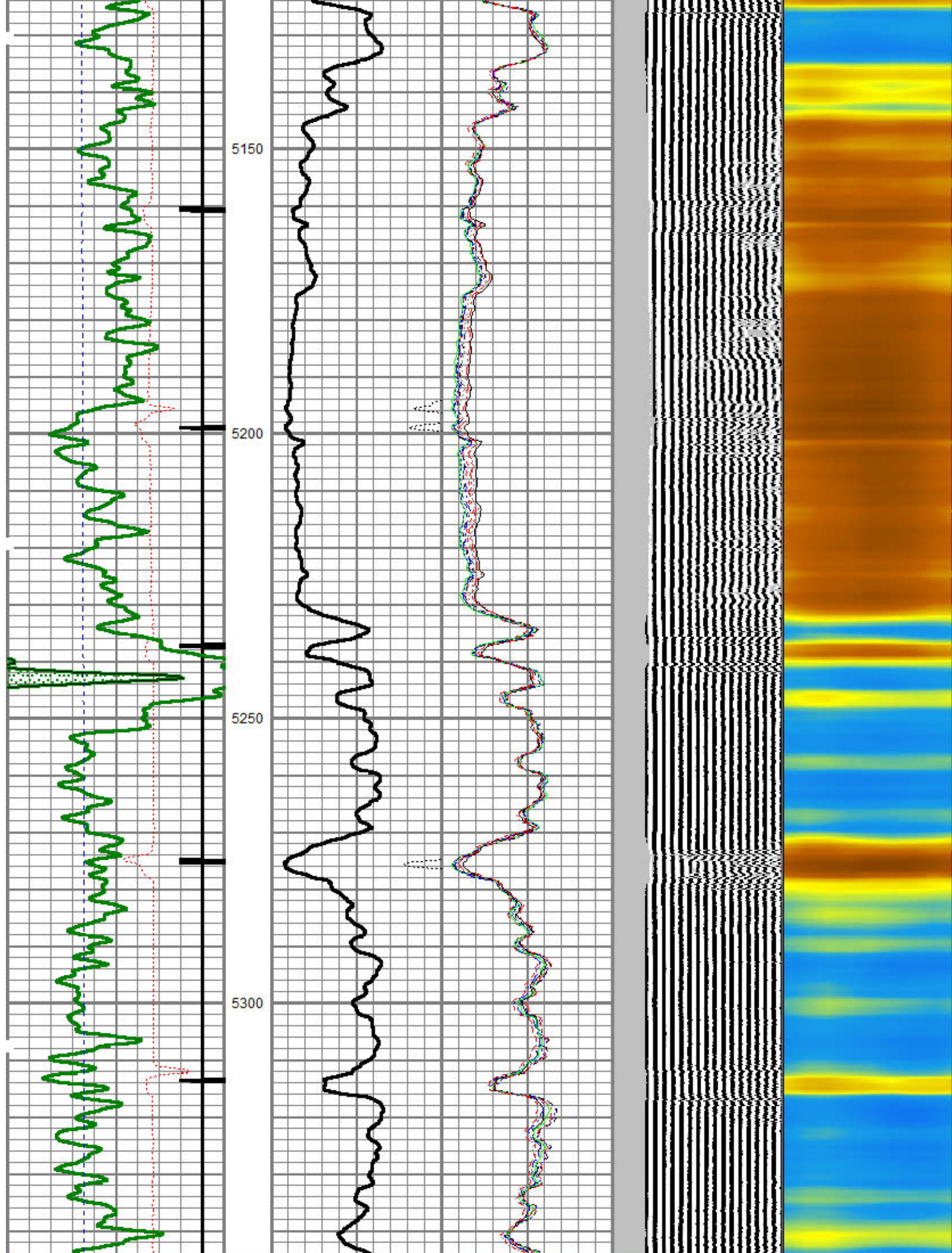


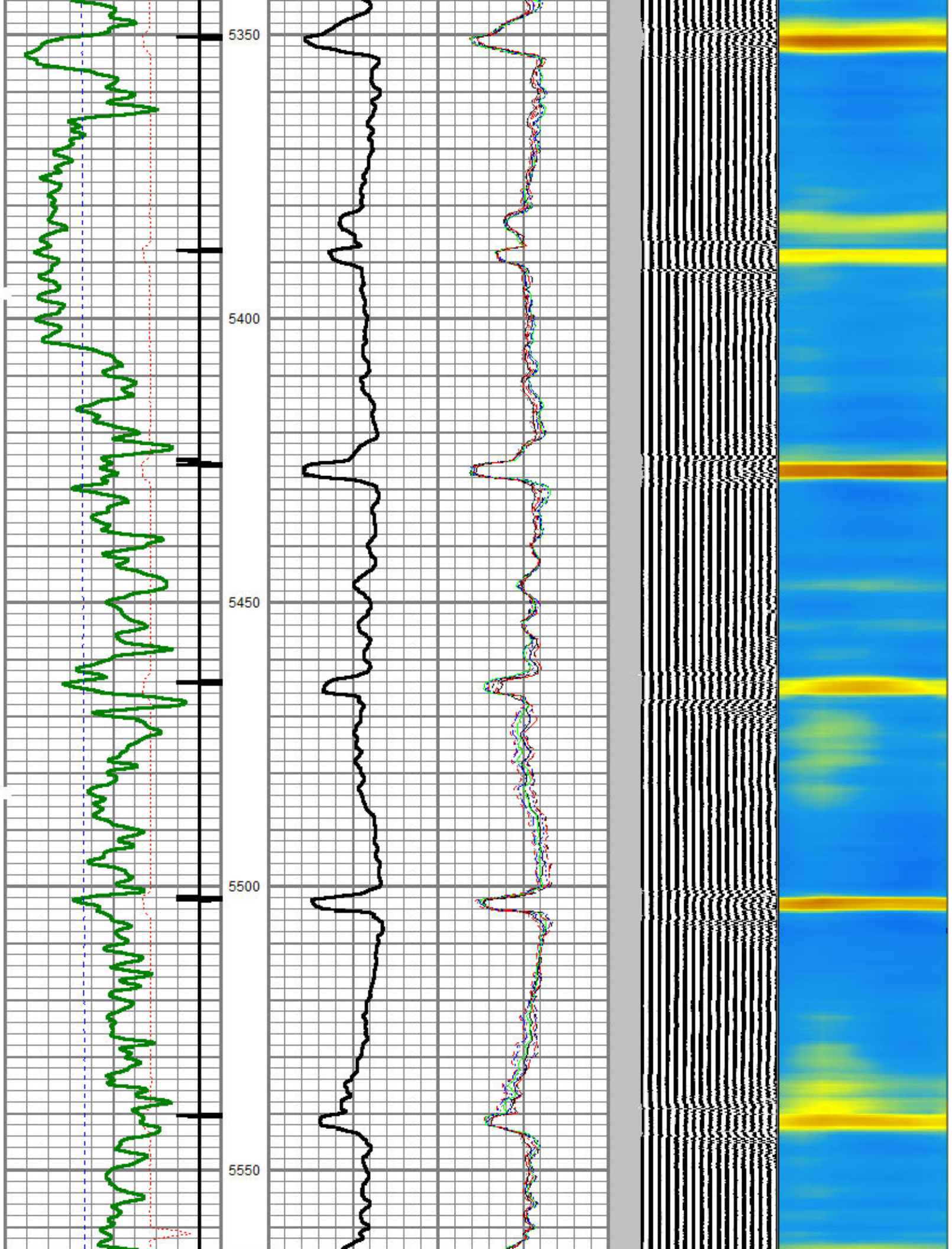


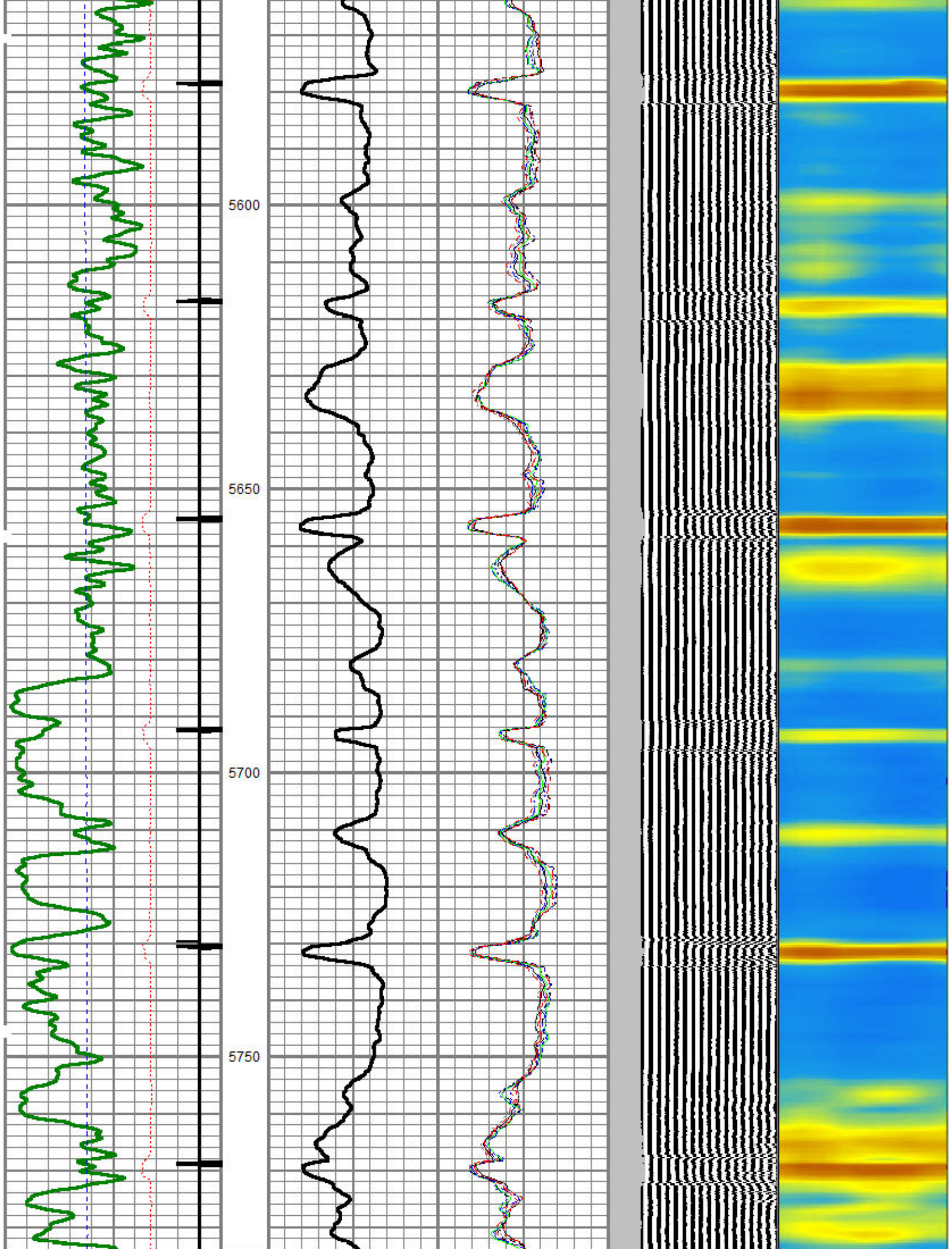


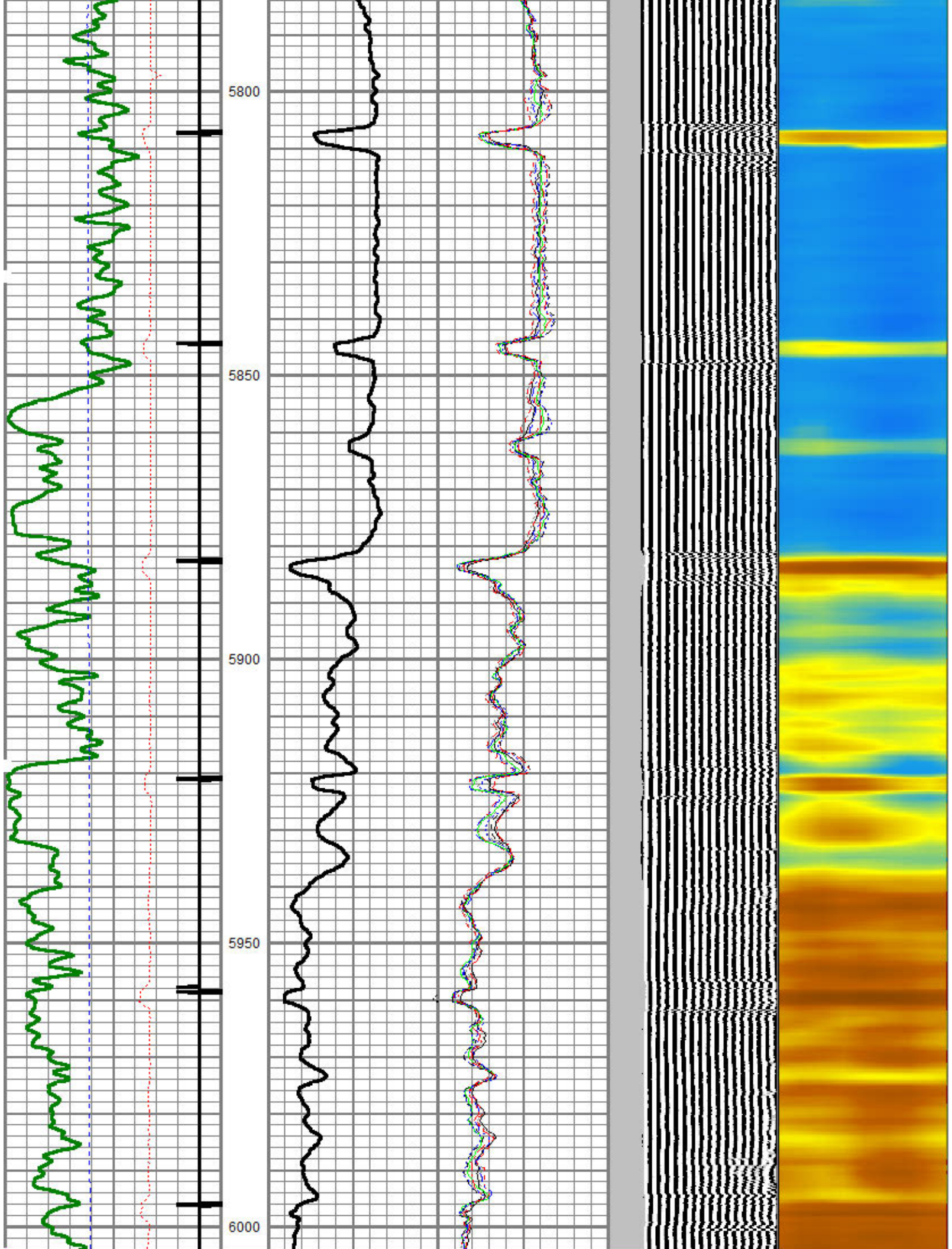


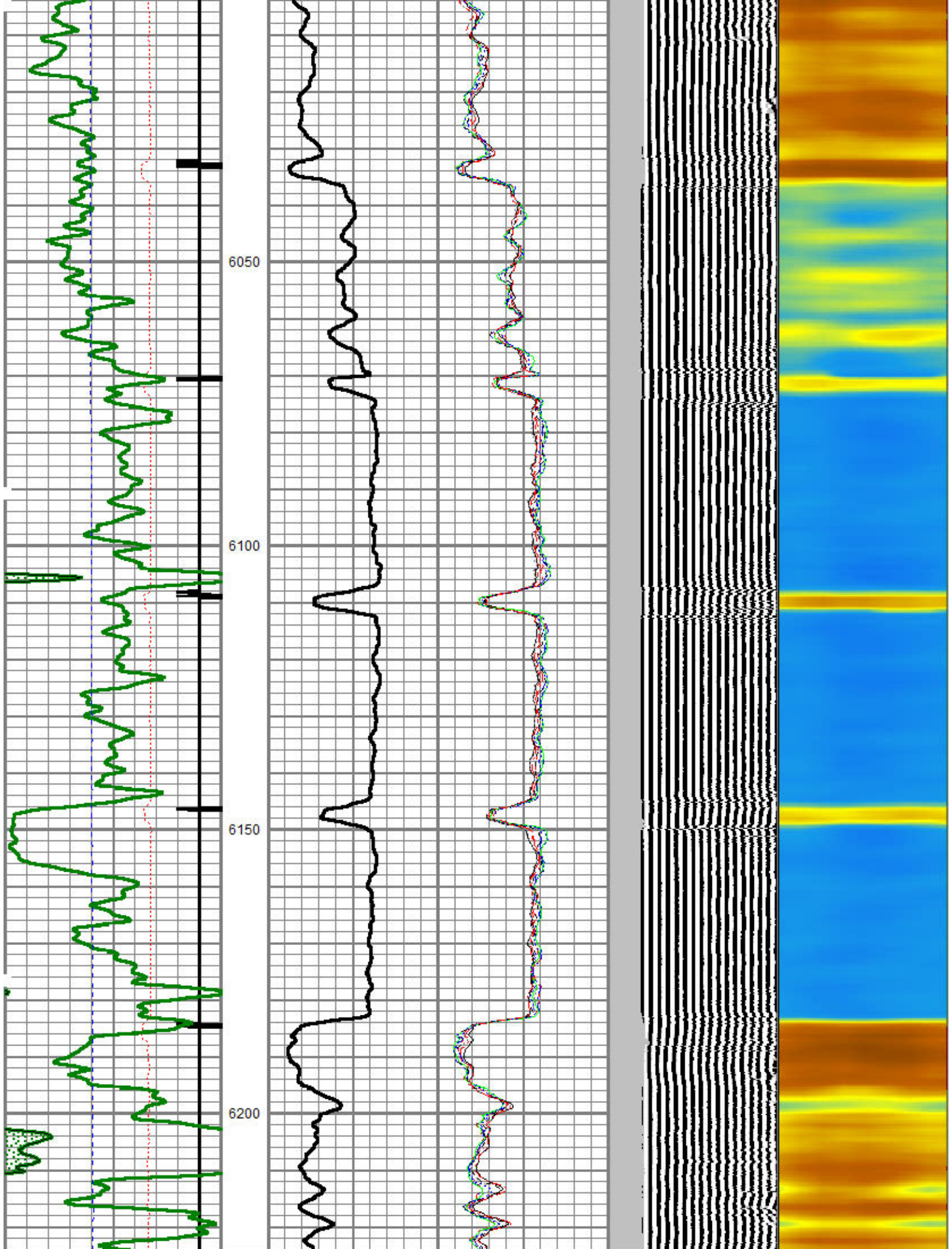


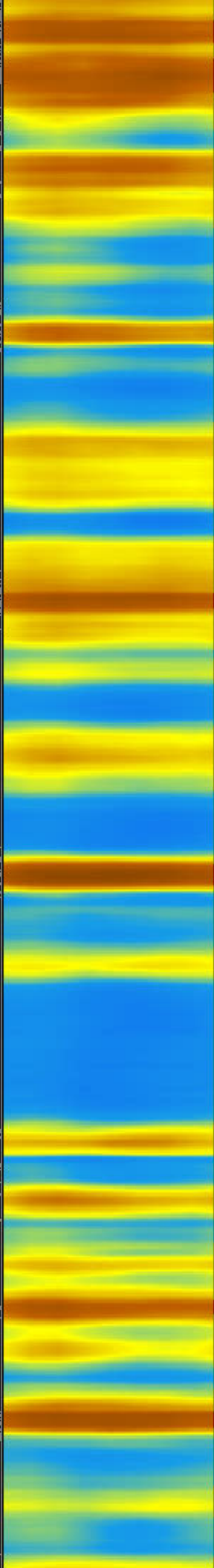
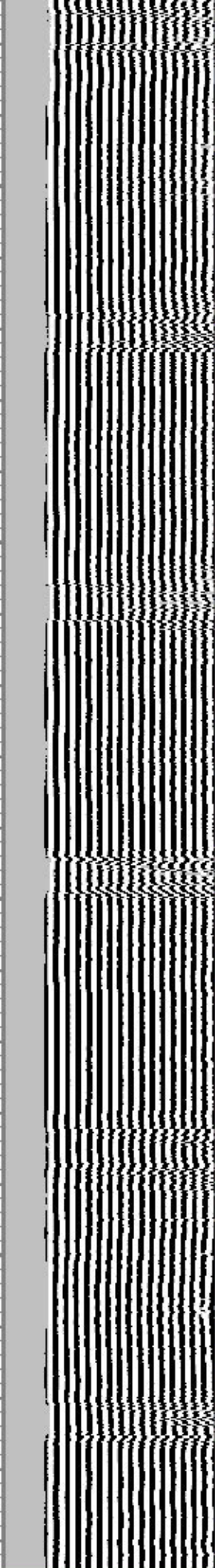
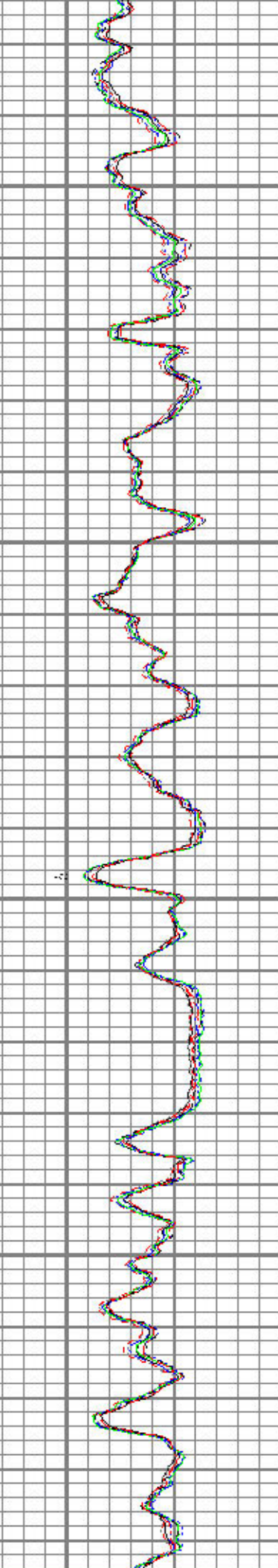
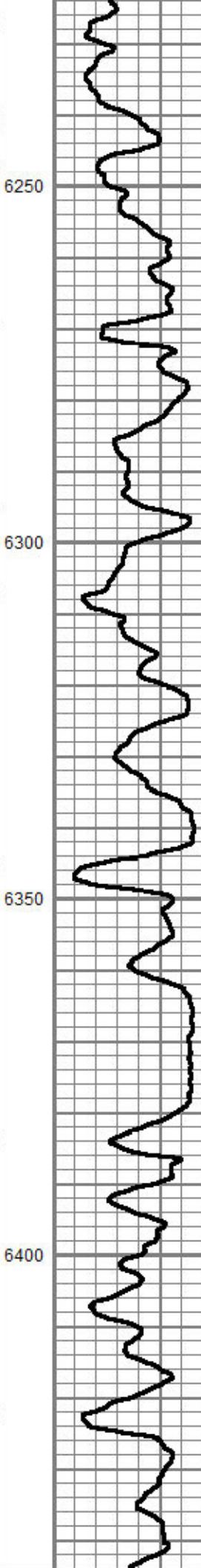
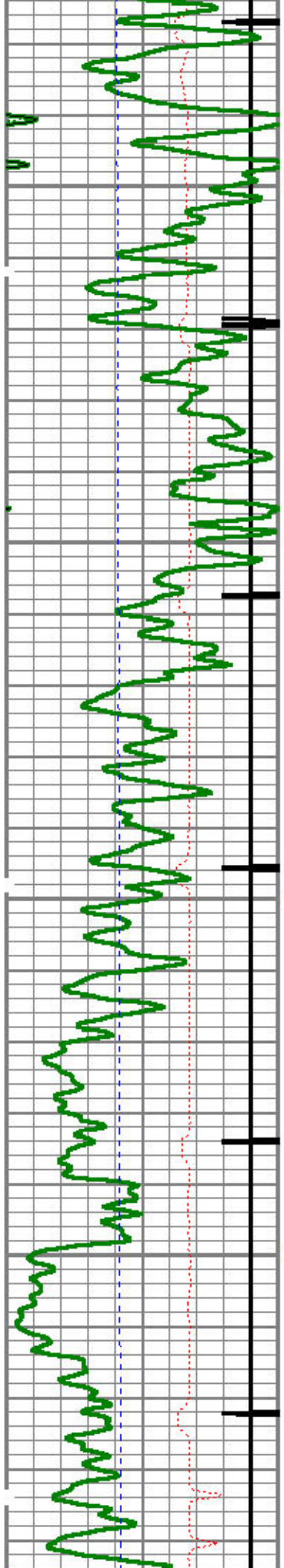


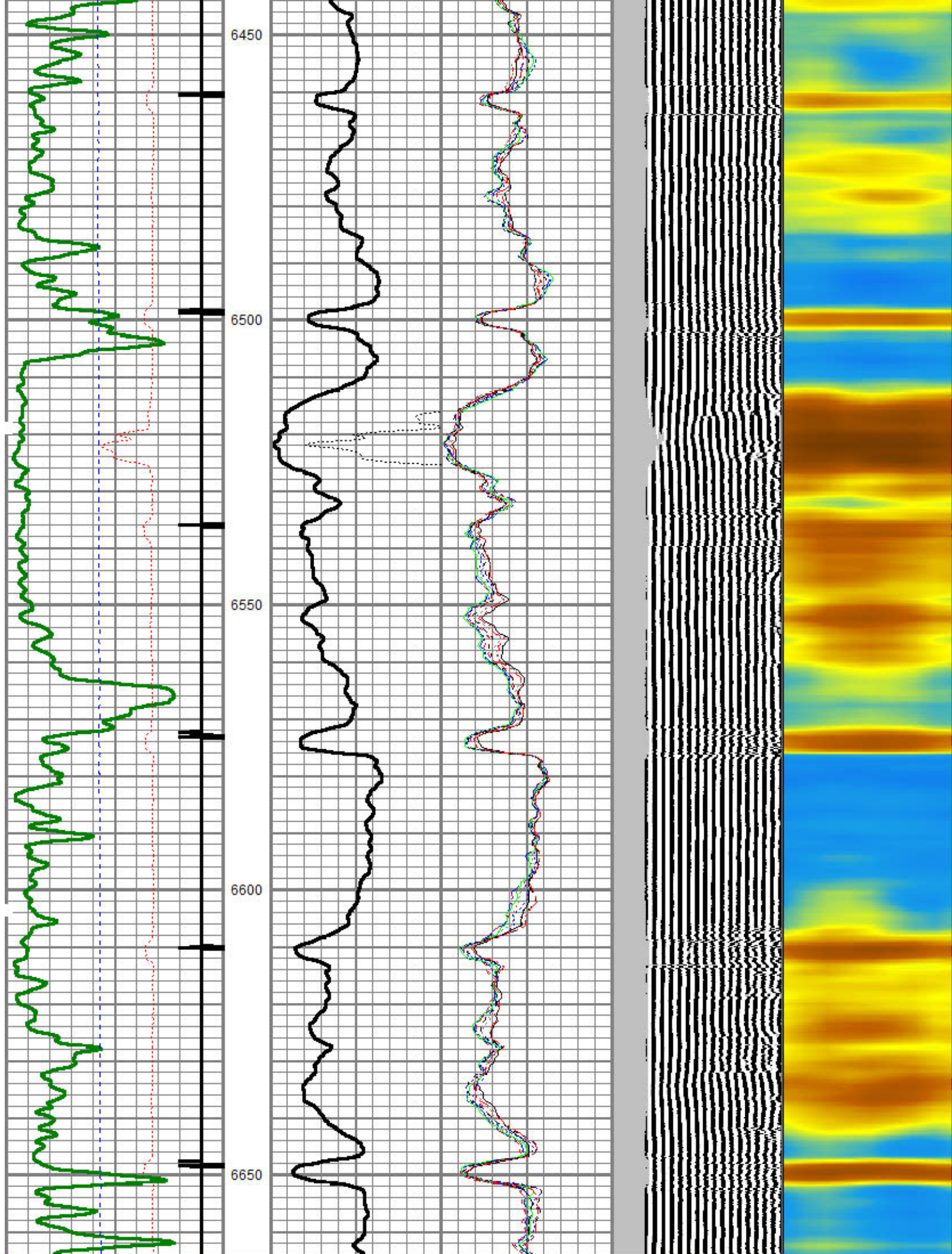


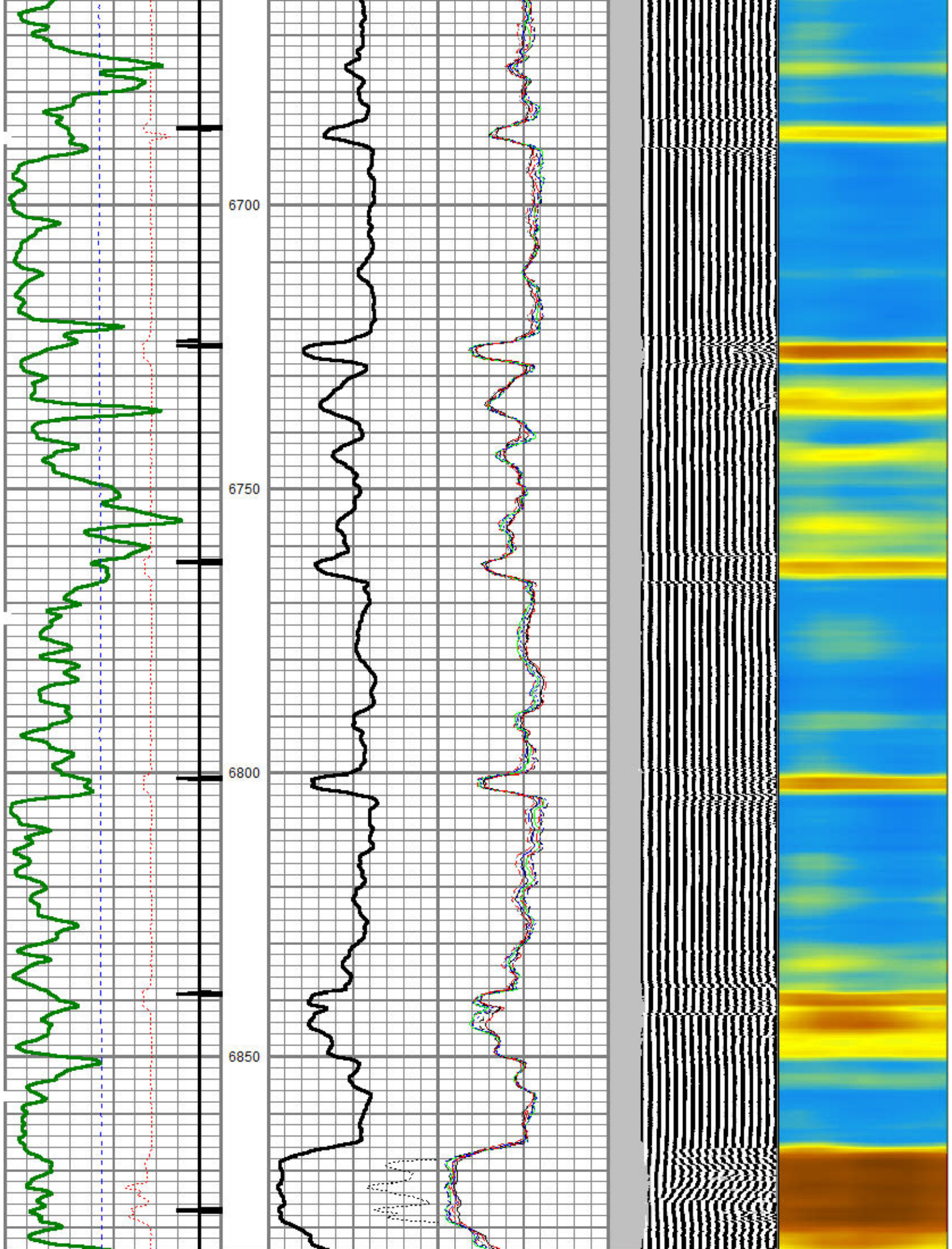


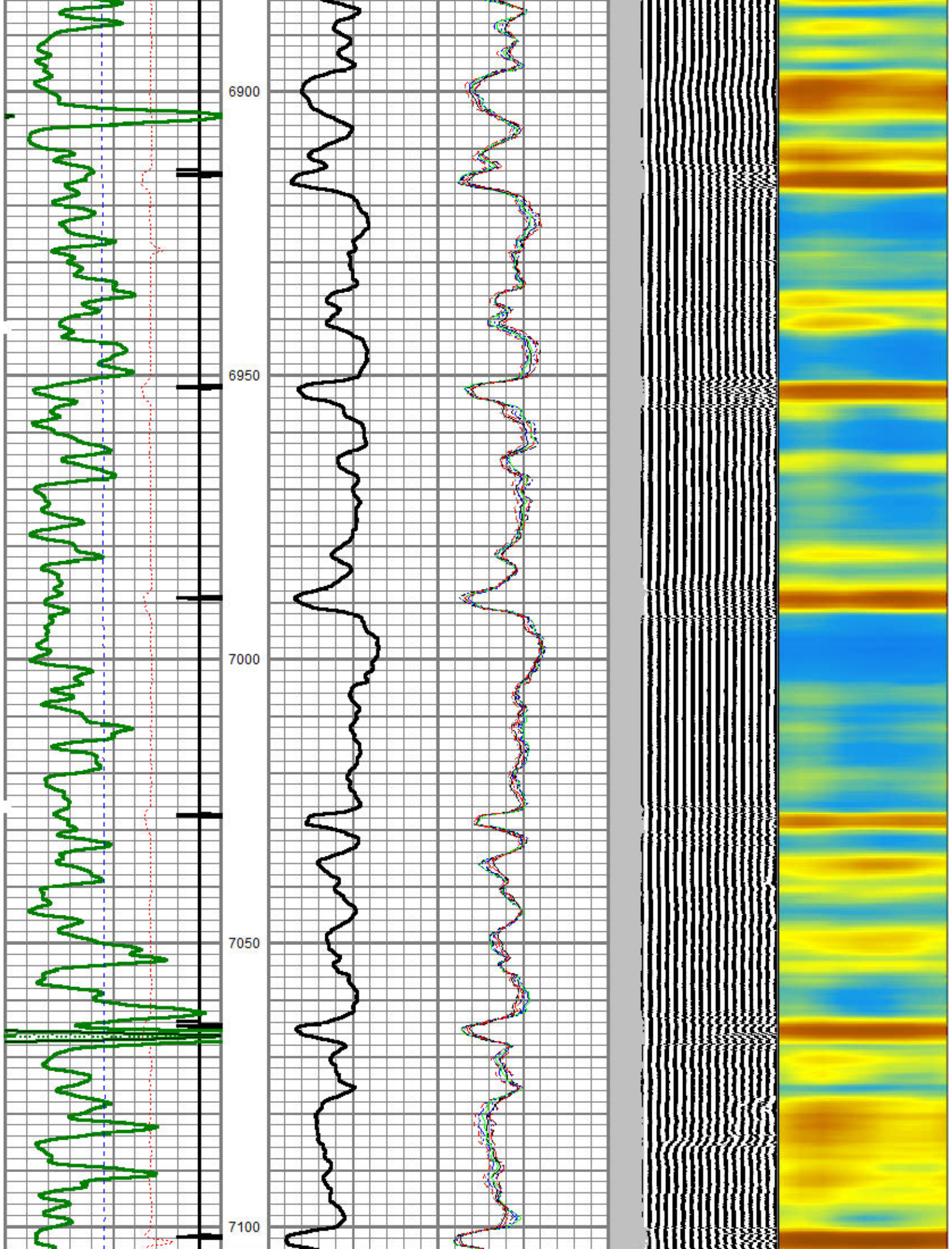


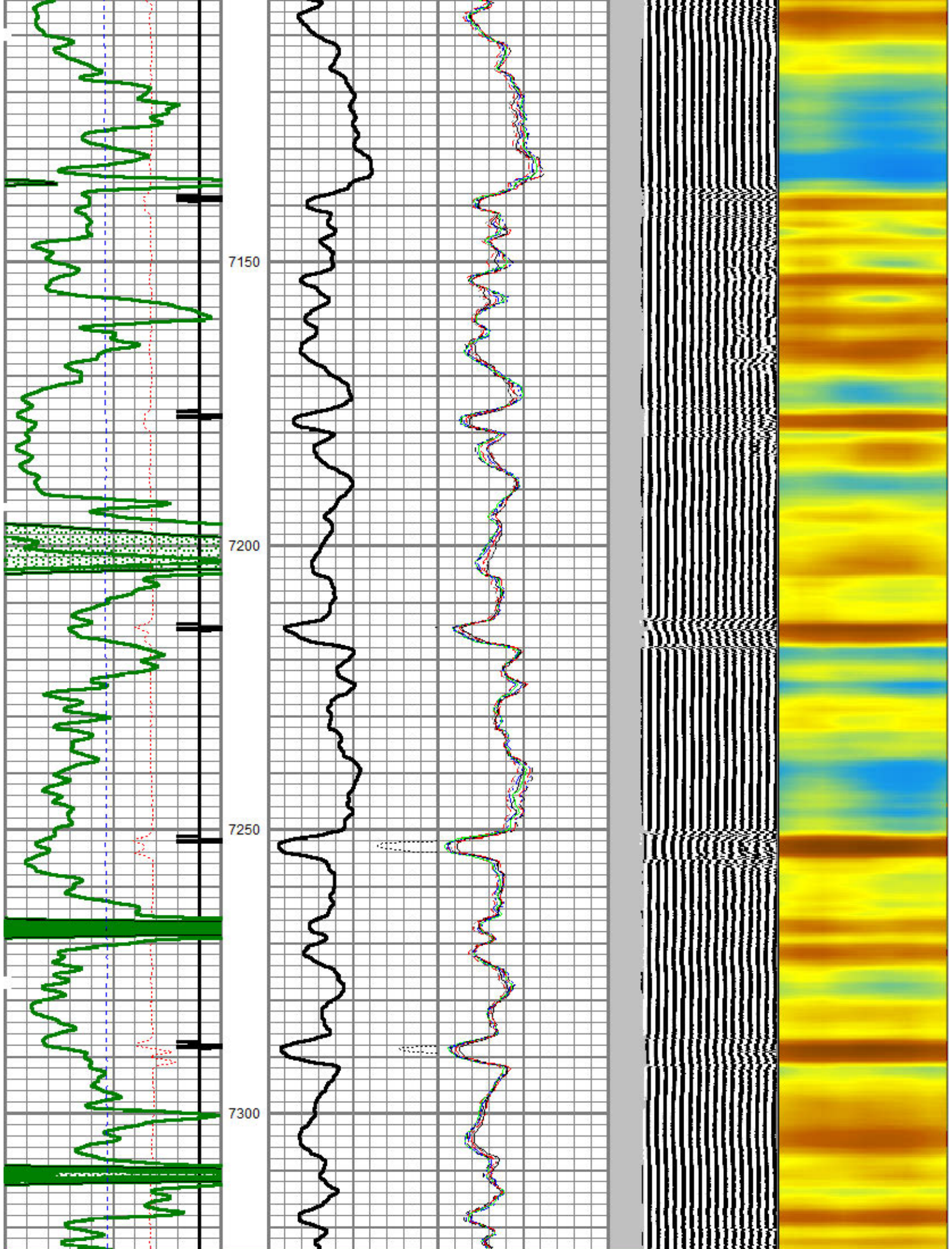


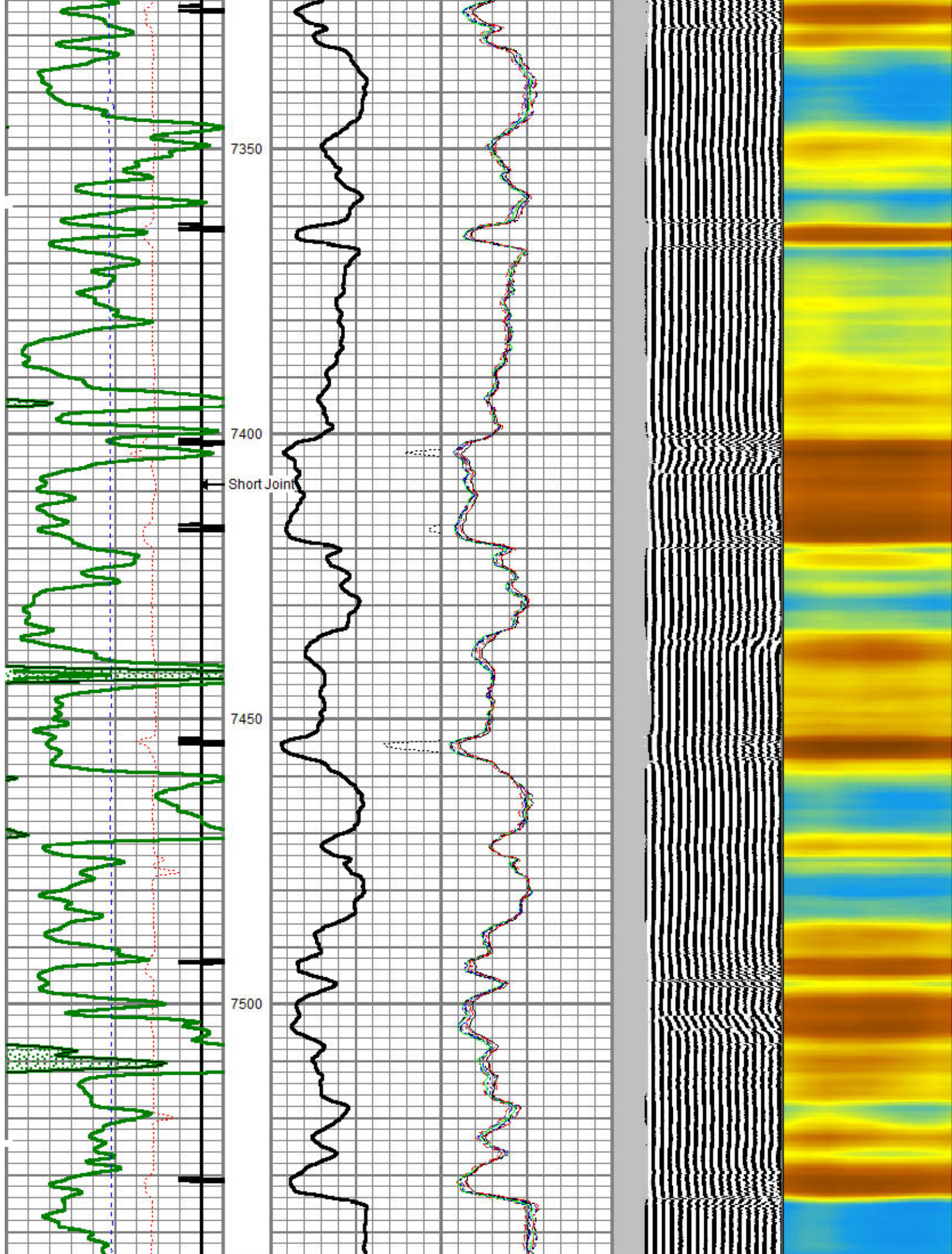


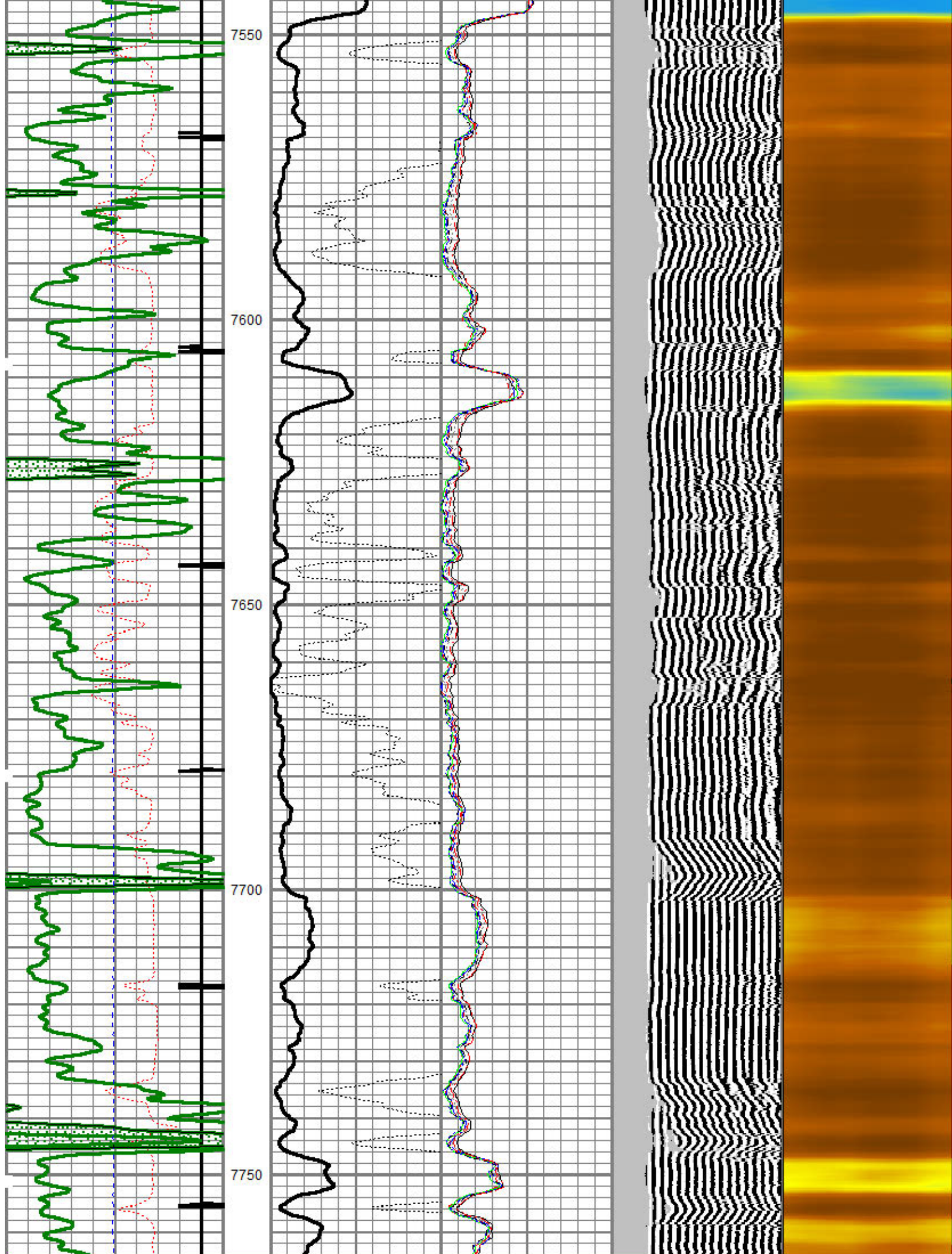


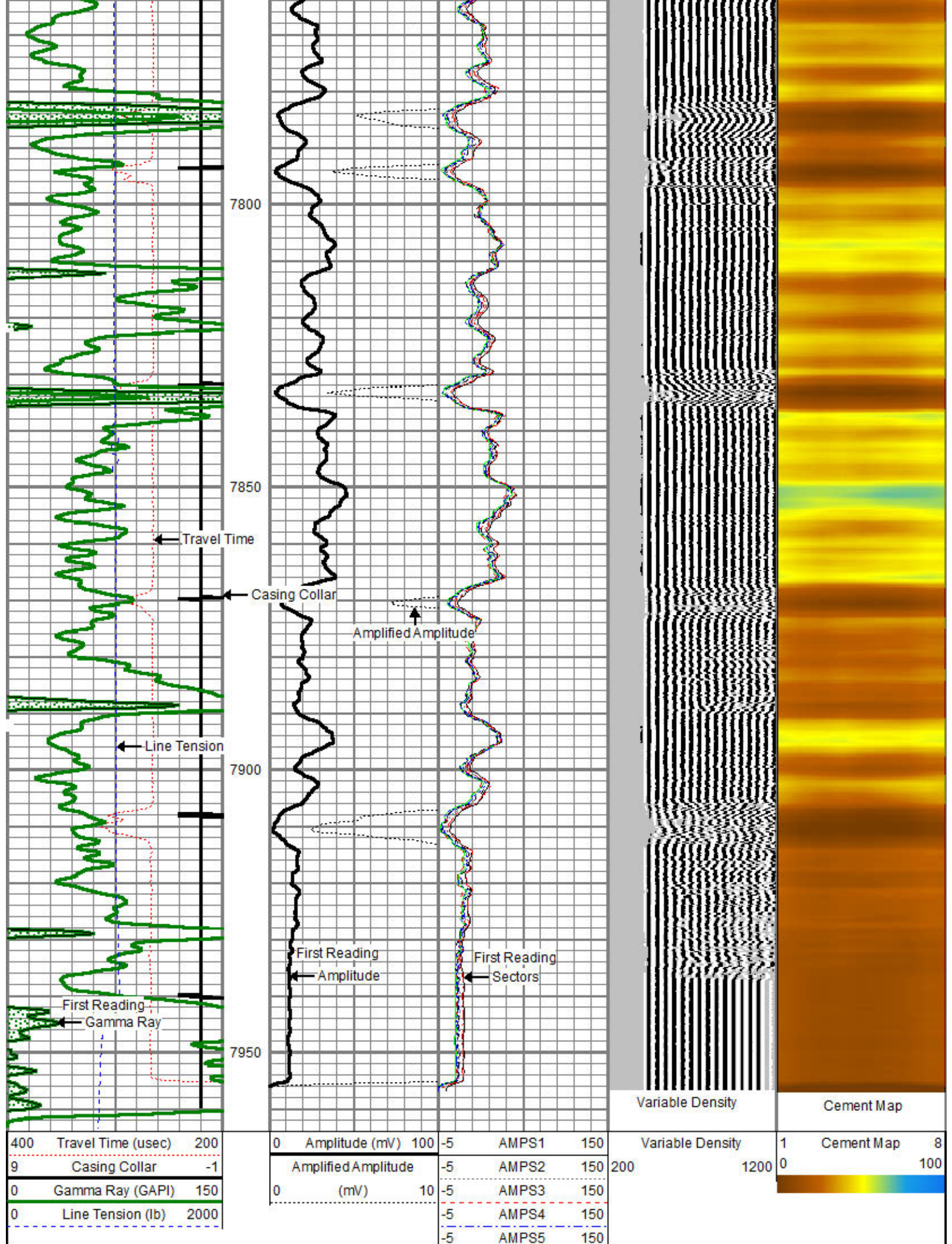












-5	AMPS6	150
-5	AMPS7	150
-5	AMPS8	150



Repeat Pass (0 PSI)

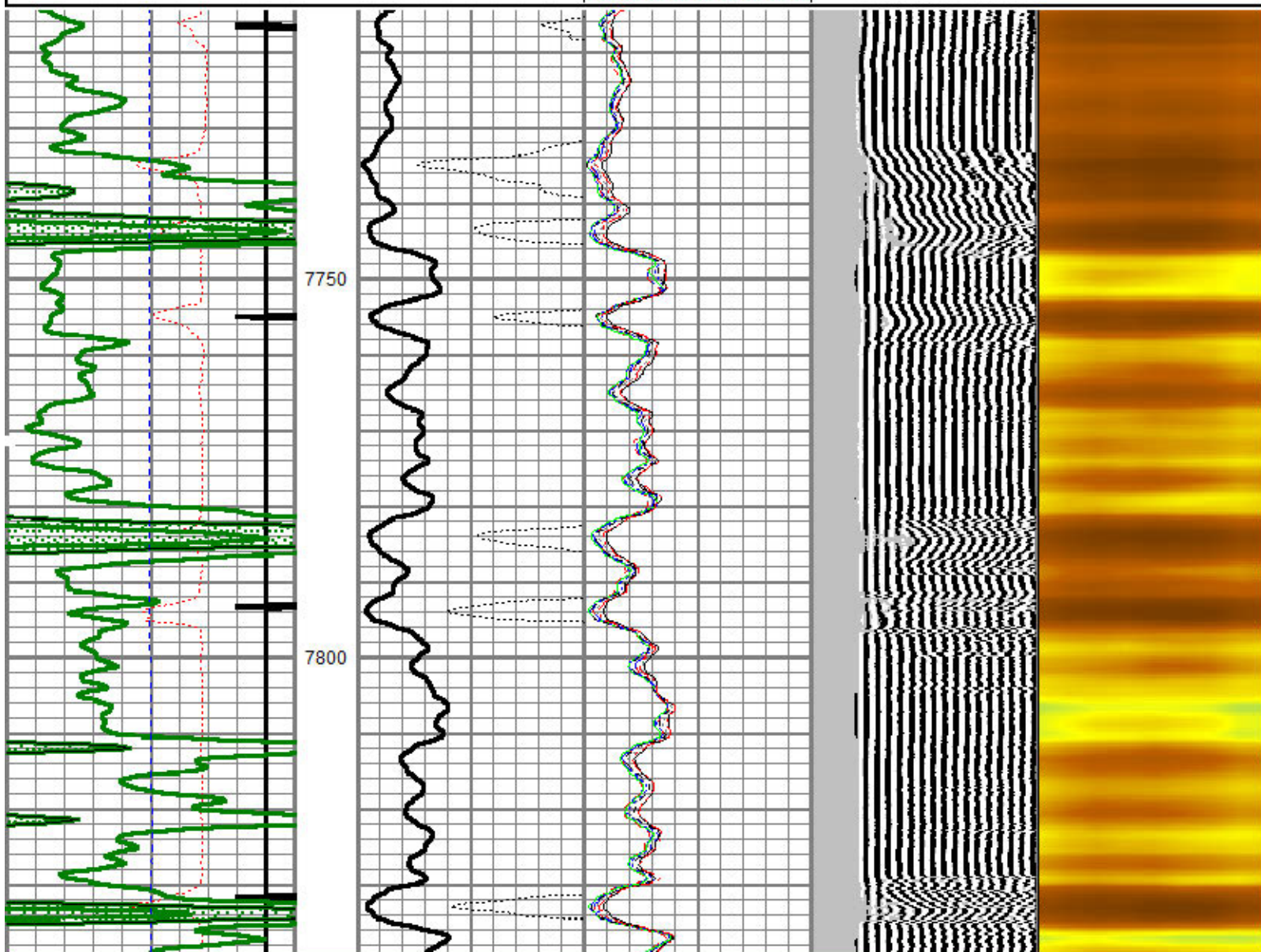
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Presentation Format: scbl03
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Charted by: Depth in Feet scaled 1:240

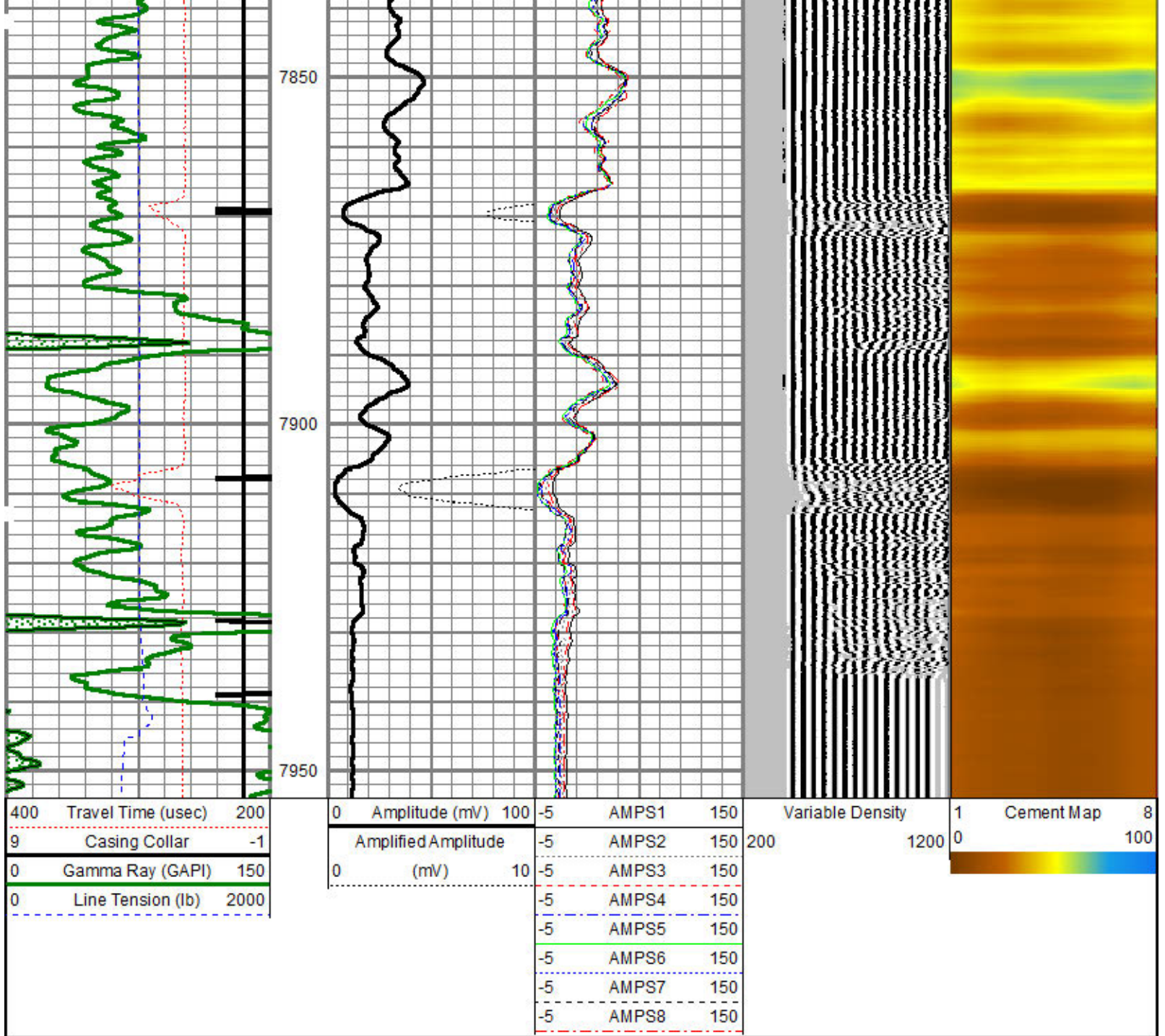
400	Travel Time (usec)	200
9	Casing Collar	-1
0	Gamma Ray (GAPI)	150
0	Line Tension (lb)	2000

0	Amplitude (mV)	100
	Amplified Amplitude	
0	(mV)	10

-5	AMPS1	150
-5	AMPS2	150
-5	AMPS3	150
-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





Calibration Report

Database File: cascade_9s-55w-05-85.db
 Dataset Pathname: pass8
 Dataset Creation: Tue Dec 02 13:10:56 2014 by Log 0

Gamma Ray Calibration Report

Serial Number:	110108-Dig	
Tool Model:	Probe275	
Performed:	Sun Nov 02 06:04:52 2014	
Calibrator Value:	1022.0	GAPI
Background Reading:	104.2	cps
Calibrator Reading:	1494.4	cps
Sensitivity:	0.7352	GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number:	101254
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Tool Model: Probe

Calibration Casing Diameter: 5.500 in

Calibration Depth: 1750.515 ft

Master Calibration, performed Tue Dec 02 12:33:18 2014:


	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.027	0.712	1.000	71.921	103.468	-1.756
CAL	-0.024	0.898				
5'	-0.020	0.646	1.000	71.921	106.417	3.129
SUM						
S1	-0.022	0.769	0.000	100.000	126.492	2.753
S2	0.024	0.733	0.000	100.000	141.025	-3.353
S3	0.038	0.655	0.000	100.000	161.929	-6.138
S4	0.033	0.598	0.000	100.000	176.784	-5.790
S5	0.052	0.630	0.000	100.000	173.002	-8.984
S6	0.058	0.705	0.000	100.000	154.741	-9.035
S7	0.054	0.764	0.000	100.000	140.865	-7.616
S8	0.013	0.775	0.000	100.000	131.087	-1.650

Internal Reference Calibration, performed Mon Oct 10 09:42:03 2005:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	-0.024	0.898	1.000	0.000

Air Zero Calibration, performed Tue Nov 11 14:59:40 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	Length (ft)	Weight (lb)	OD (in)
WVF3FT	8.33						
WVFCAL	8.33						
WVFS1	8.33						
WVFS2	8.33						
WVFS3	8.33						
WVFS4	8.33						
WVFS5	8.33						
WVFS6	8.33						
WVFS7	8.33						
WVFS8	8.33						
WVF5FT	7.25						
CCL	3.88						
GR	2.54						
				RBT-Probe (101254) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
				GR-Probe275 (110108-Dig) Probe 2 3/4" Logging Gamma Ray	4.00	2.75	57.00
Dataset: cascade_9s-55w-05-85.db: field/well/run1/pass8 Total Length: 13.92 ft Total Weight: 157.00 lb O.D.: 3.71 in							