



Radial Bond Log  
Gamma Ray/CCL

Company Bayswater Exploration  
Well Arellano P-10-9HN  
Field Wattenberg  
County Weld State Colorado

Location: API #: 05-123-41108  
NE 1/4 & SE 1/4  
SEC 10 TWP 5N RGE 65W  
Permanent Datum Ground Level Elevation 4,616'  
Log Measured From Ground Level  
Drilling Measured From 23' Above Permanent Datum  
Other Services  
N/A  
Elevation  
K.B. 4,593'  
D.F. 4,592'  
G.L. 4,616'

Date 16-July-2015

Run Number One  
Depth Driller 13,954'  
Depth Logger 6,805'  
Bottom Logged Interval 6,795'  
Top Log Interval Surface  
Open Hole Size N/A  
Type Fluid Water  
Density / Viscosity N/A  
Max. Recorded Temp. N/A  
Estimated Cement Top  
Time Well Ready Upon Arrival  
Time Logger on Bottom 202  
Equipment Number  
Location Ault, CO  
Recorded By Chris Blankenhorn  
Witnessed By Caleb Brewer

Borehole Record  
Run Number Bit From To Size Weight From To

Casing Record  
Surface String Size 9 5/8" Wgt/Ft 36# Top Surface 790' Bottom 790'  
Prot. String 7" 29# Surface 7,290'  
Production String  
Liner 4 1/2" 13.5# 6,956' 13,954'

<<< Fold Here >>>

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

Thank you for using Cutters Wireline Services.  
Your crew today: C. Blankenhorn, D. Morrow, J. Wilson, AJ Martin

720-289-8668

Calibration Report

Database File: bayswater arellano p-10-9hn.db  
Dataset Pathname: pass13  
Dataset Creation: Thu Jul 16 09:13:10 2015 by Log 7.0 B1

Serial Number: 275D\_with\_INC  
Tool Model: 275D\_INC  
Performed: Tue Jan 15 11:42:10 2013

Calibrator Value: 300.0 GAPI  
Background Reading: 0.0 cps  
Calibrator Reading: 400.0 cps  
Sensitivity: 0.7375 GAPI/cps

#### Inclinometer Calibration Report

Performed: Fri Apr 04 16:42:15 2008

	Low Read.	High Read.	Low Ref.	High Ref.	
X Accelerometer	-3579.00	3617.00	-1.00	1.00	gee
Y Accelerometer	-3671.40	3529.80	-1.00	1.00	gee
Z Accelerometer	-20.40	3584.00	0.00	1.00	gee

#### Segmented Cement Bond Log Calibration Report

Serial Number: 110217  
Tool Model: Probe  
Calibration Casing Diameter: 7.000 in  
Calibration Depth: 6713.218 ft

Master Calibration, performed Thu Jul 16 08:59:59 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.007	0.345	1.000	62.165	180.903	-0.208
CAL	0.540	0.550				
5'	0.011	0.315	1.000	62.165	201.393	-1.304
SUM						
S1	0.006	0.286	0.250	100.000	356.788	-2.032
S2	0.009	0.410	0.250	100.000	248.397	-1.936
S3	0.007	0.522	0.250	100.000	193.510	-1.096
S4	0.007	0.482	0.250	100.000	210.027	-1.237
S5	0.008	0.365	0.250	100.000	279.215	-2.030
S6	0.009	0.297	0.250	100.000	345.577	-2.808
S7	0.006	0.265	0.250	100.000	386.251	-2.169
S8	0.005	0.251	0.250	100.000	406.058	-1.891

Internal Reference Calibration, performed Wed Jul 15 08:33:35 2015:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.540	0.550	1.000	0.000

Air Zero Calibration, performed Tue Jul 14 11:04:53 2015:

	Raw (v)		Calibrated (v)		Results	
--	---------	--	----------------	--	---------	--

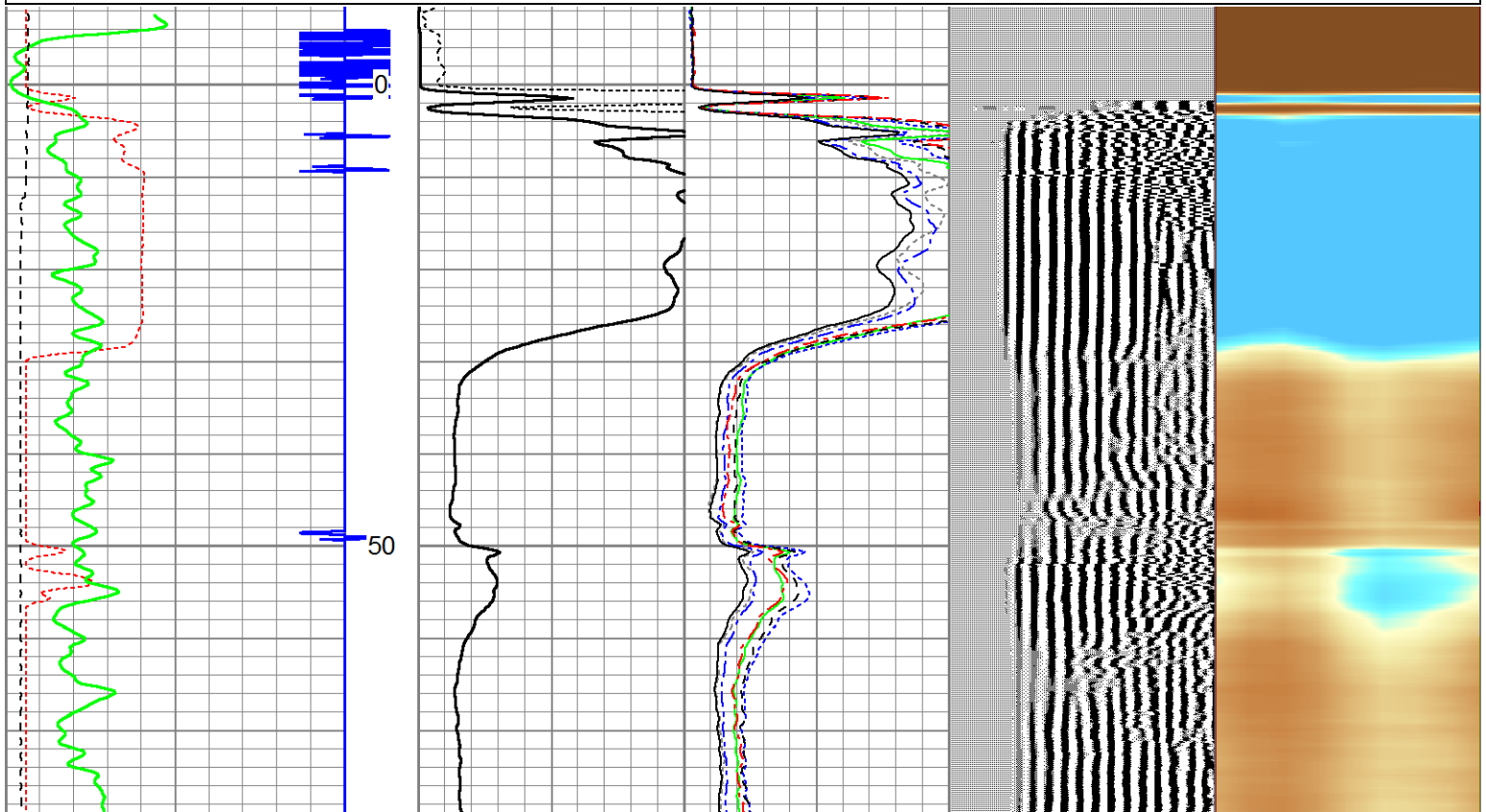
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

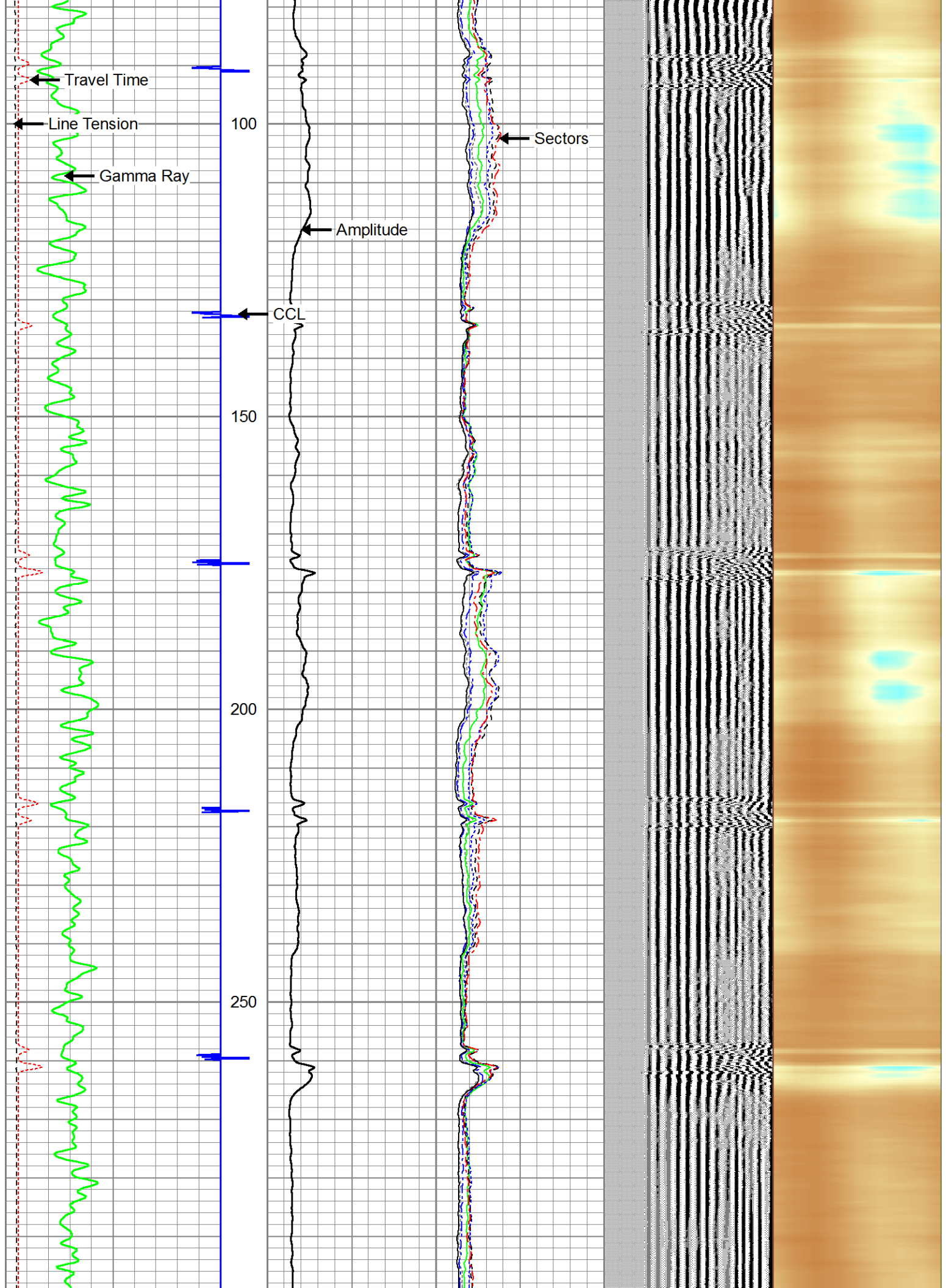


## Main Pass @ 1000 PSI

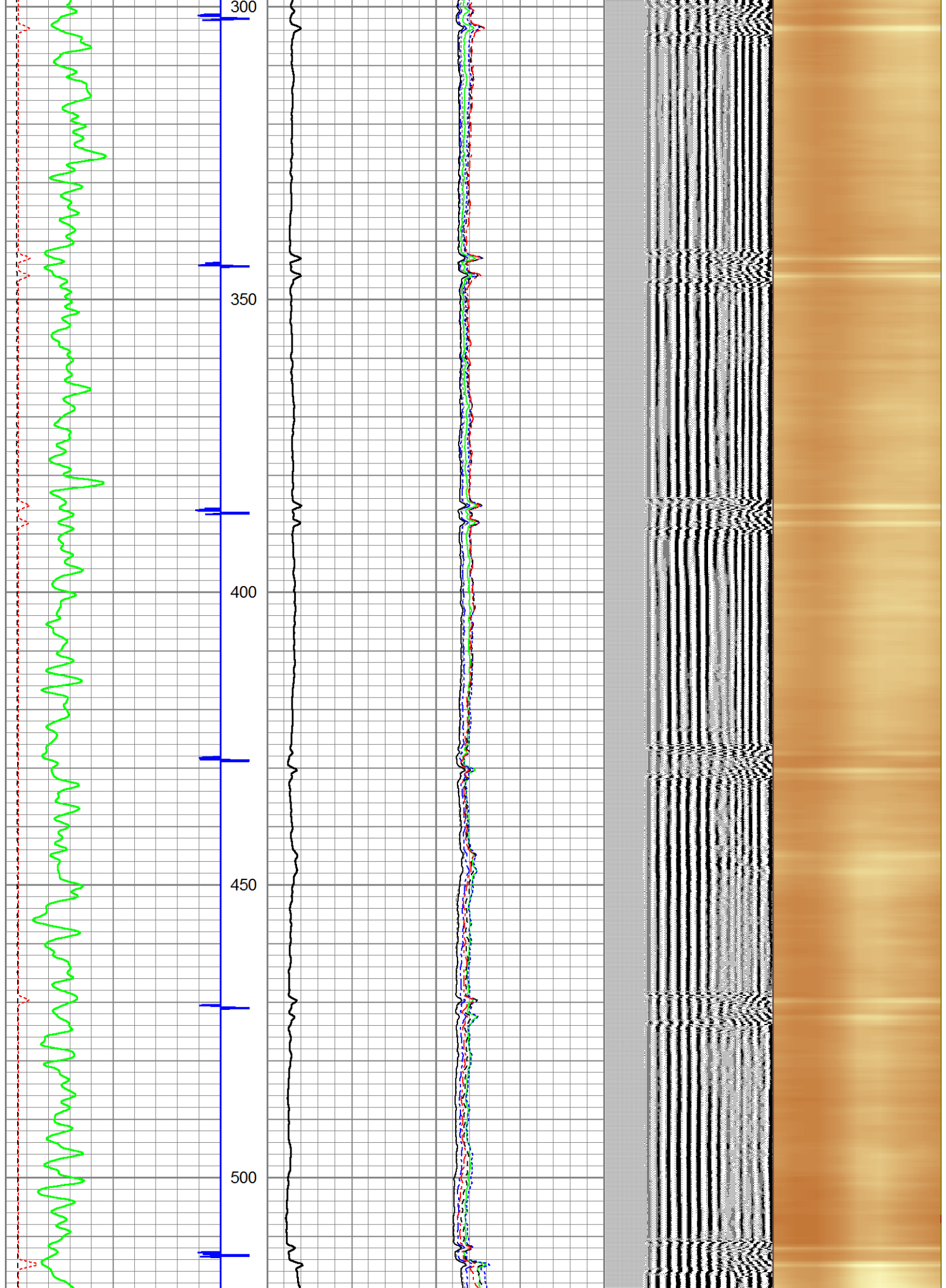
Database File: bayswater arellano p-10-9hn.db  
Dataset Pathname: pass13  
Presentation Format: anadarko  
Dataset Creation: Thu Jul 16 09:13:10 2015 by Log 7.0 B1  
Charted by: Depth in Feet scaled 1:240

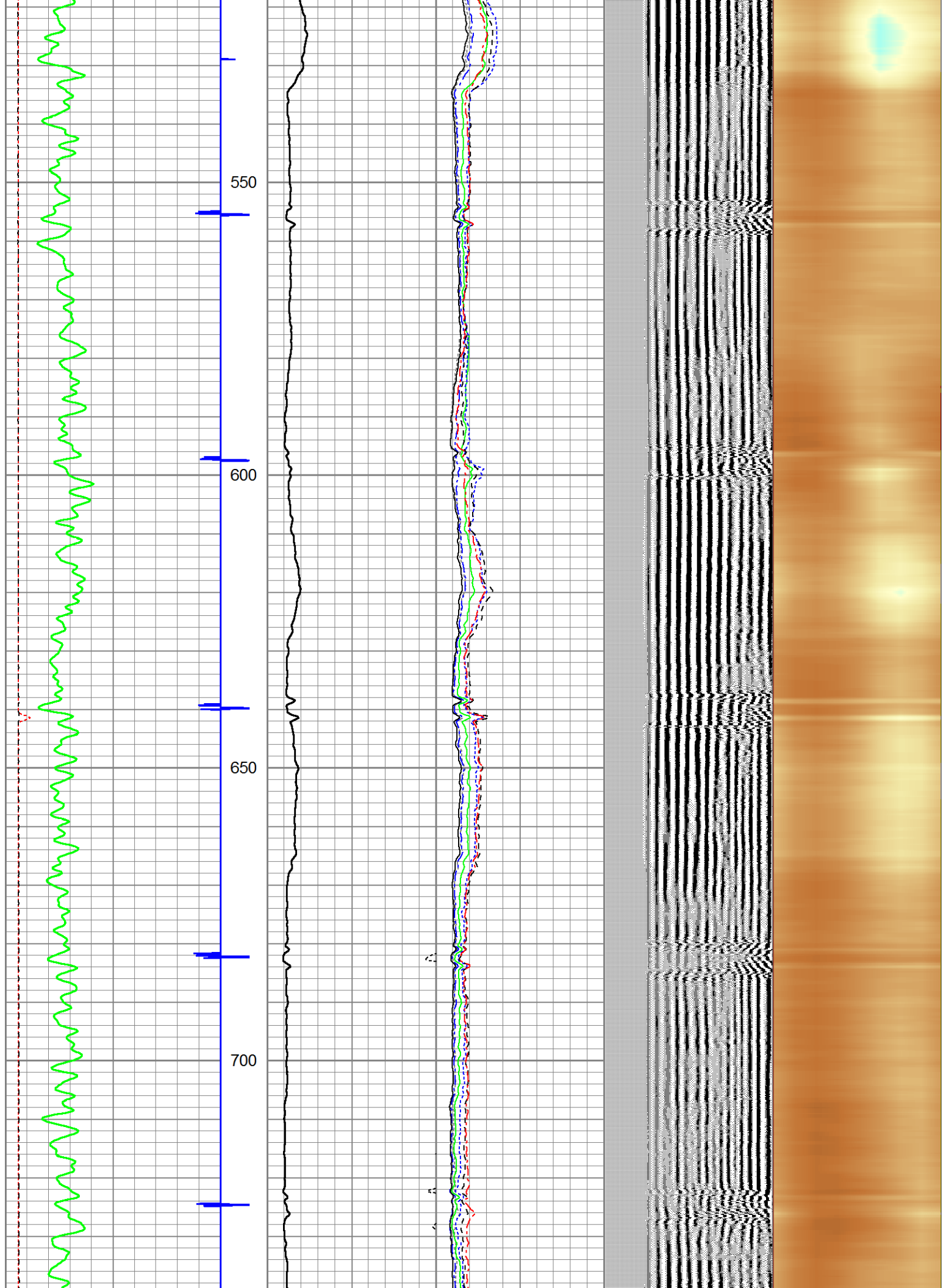
325	TT (usec)	225	0	Amplitude (mV)100	-5	AMPS2	150	200	VDL	1200	Cement Map	
0	GR (GAPI)	150		Amplified Amplitude	-5	AMPS3	150				1	80
0	LTEN (lb)	4000	0	(mV) 10	-5	AMPS4	150					
					-5	AMPS5	150					
					-5	AMPS6	150					
					-5	AMPS7	150					
					-5	AMPS8	150					
					-5	AMPS1	150					



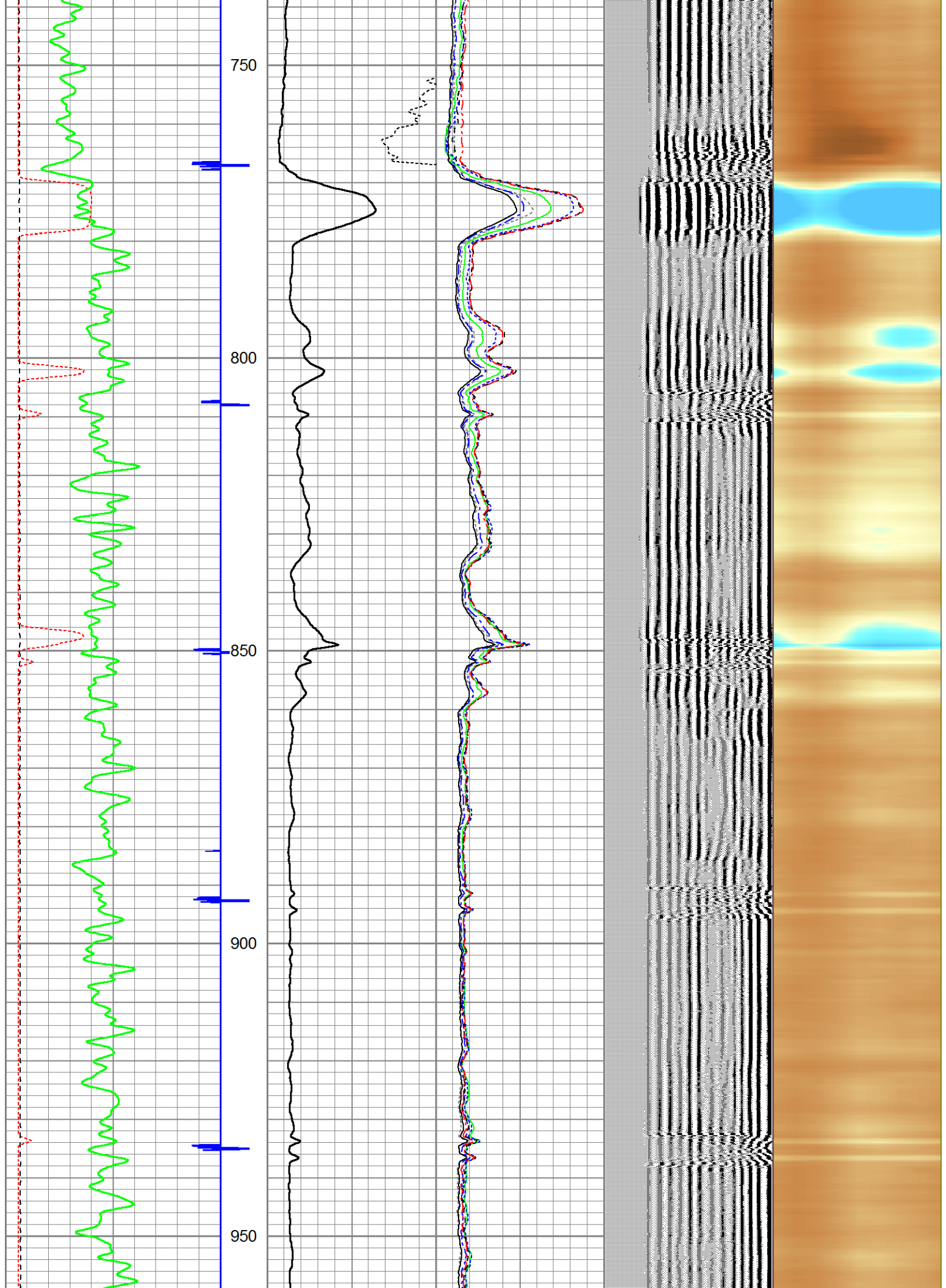


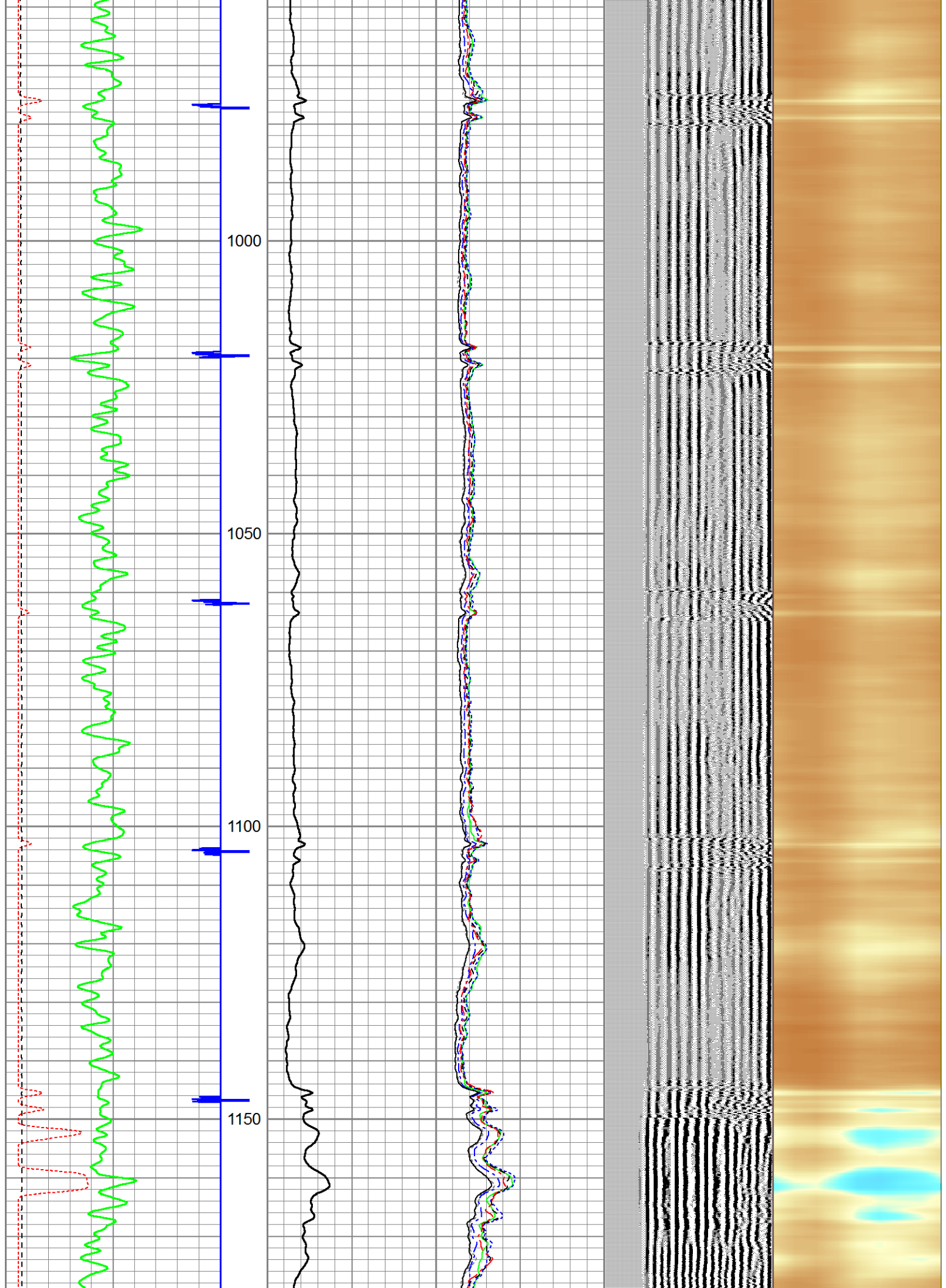




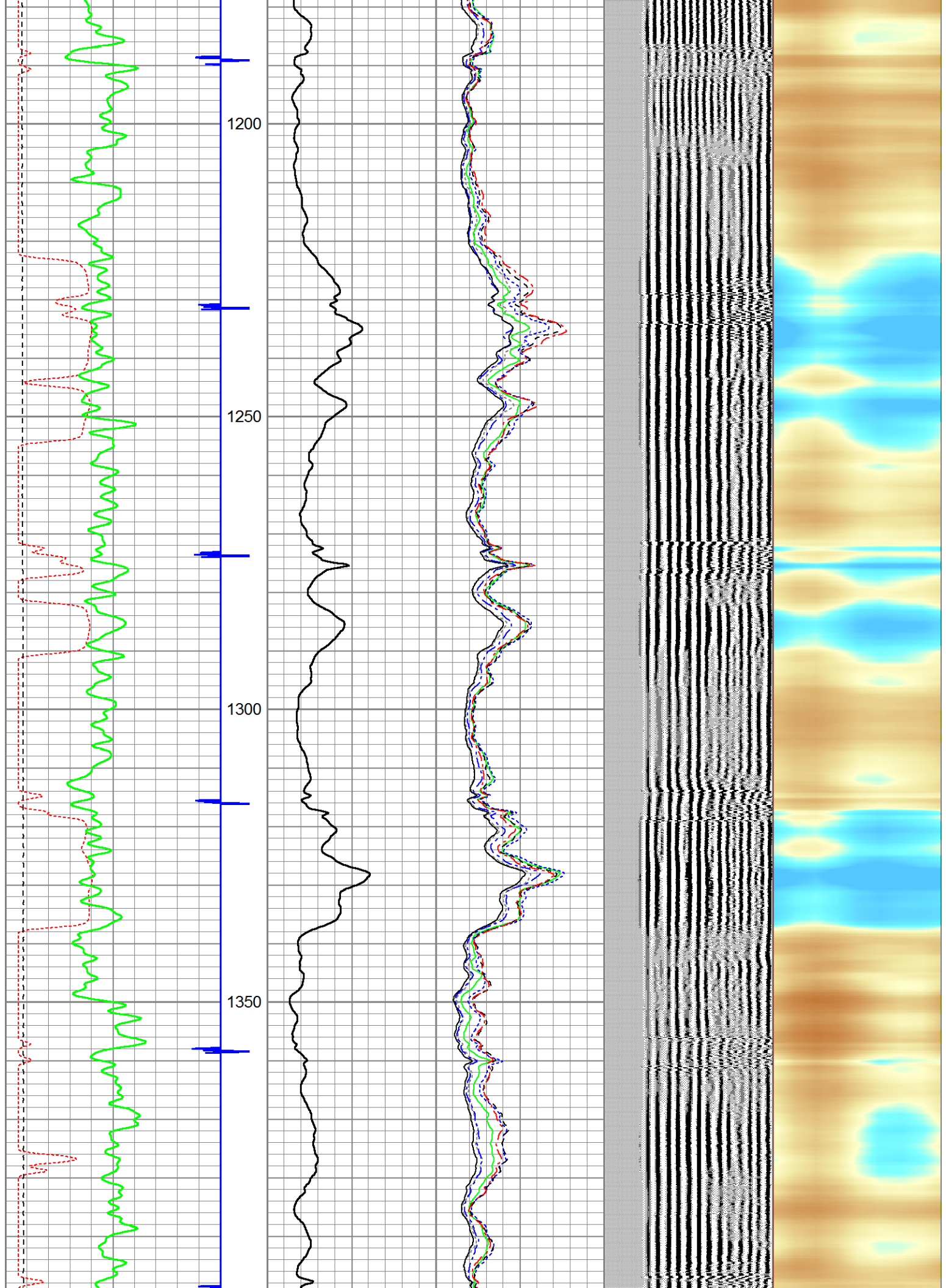


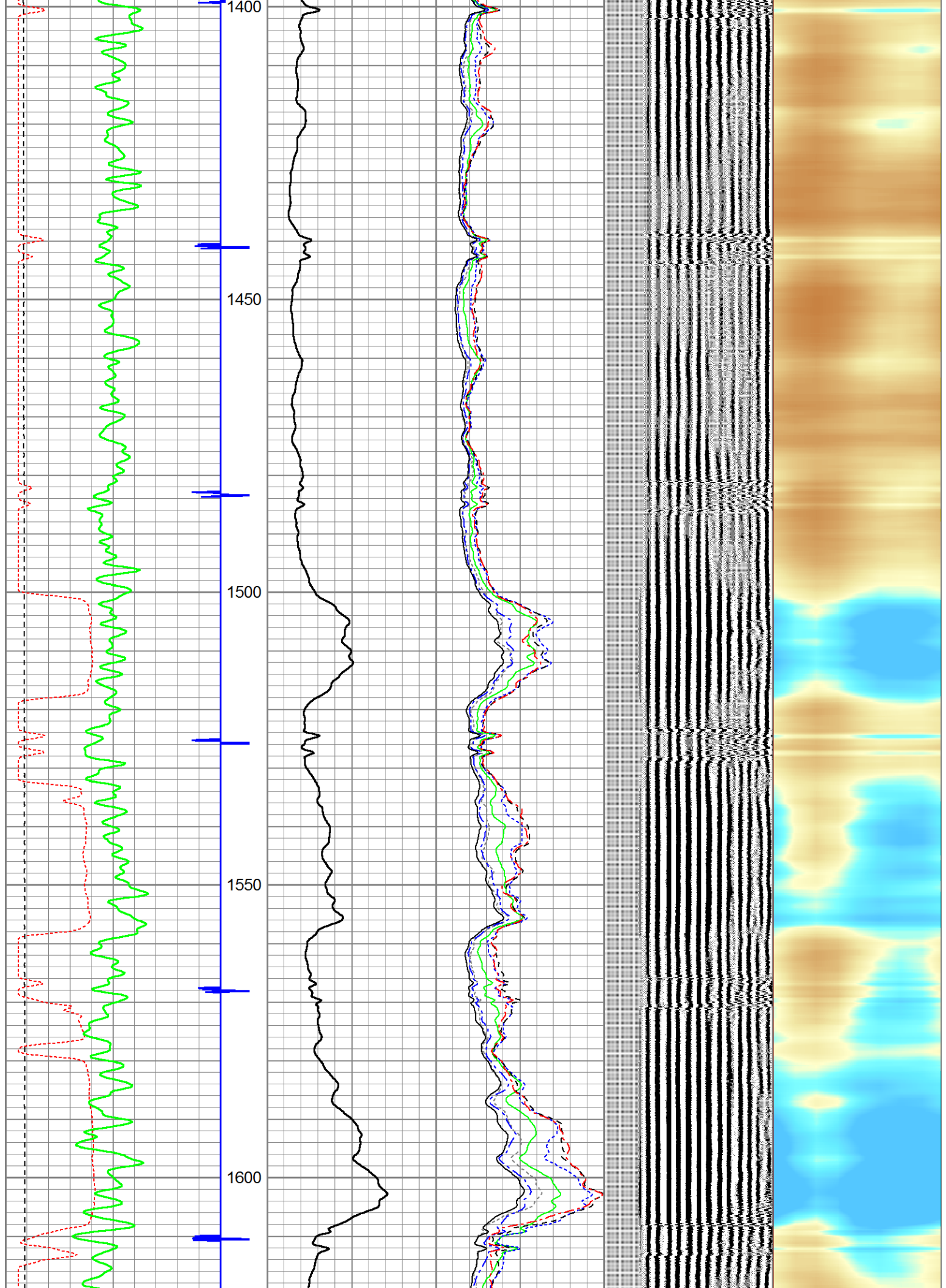




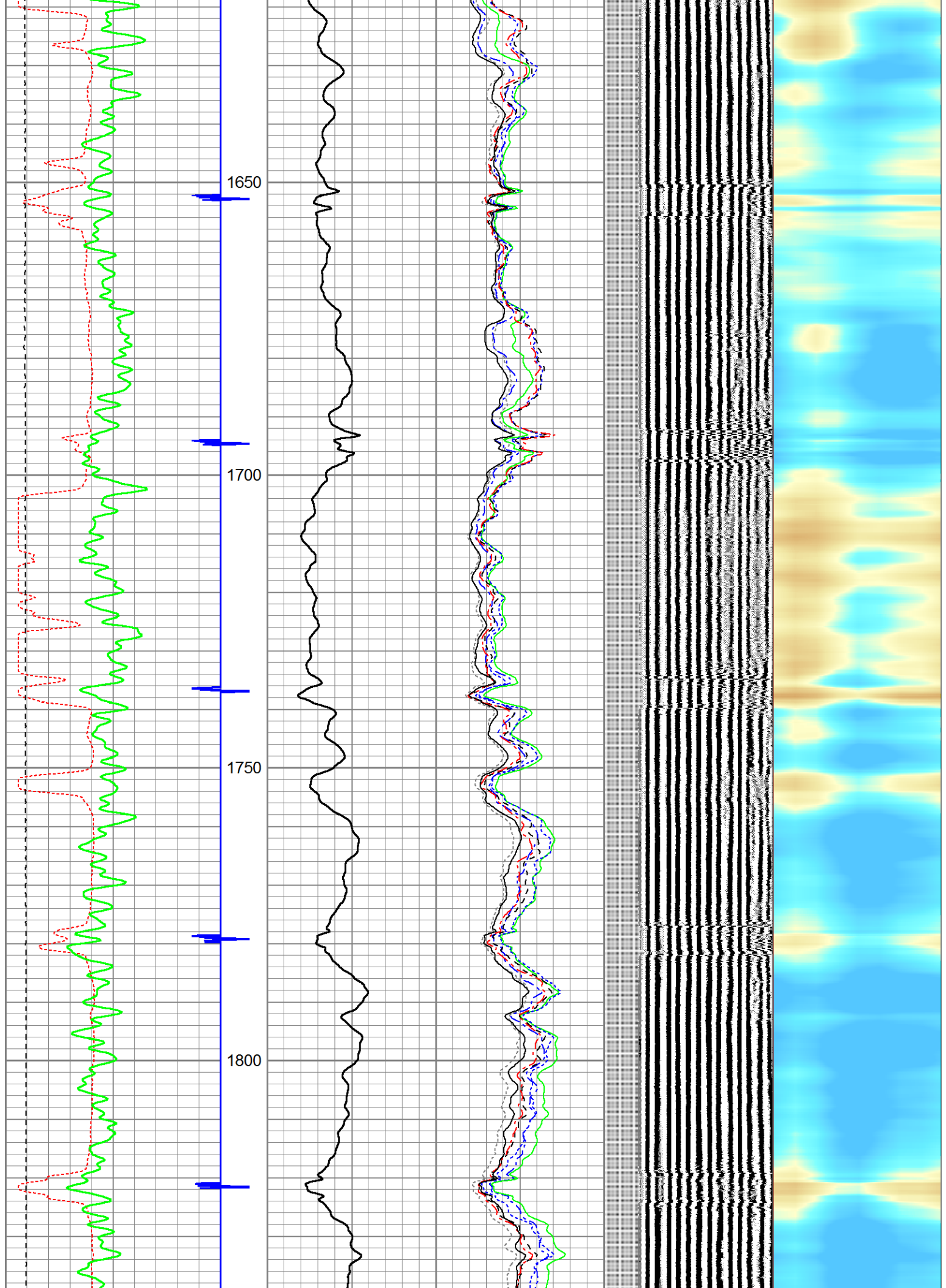


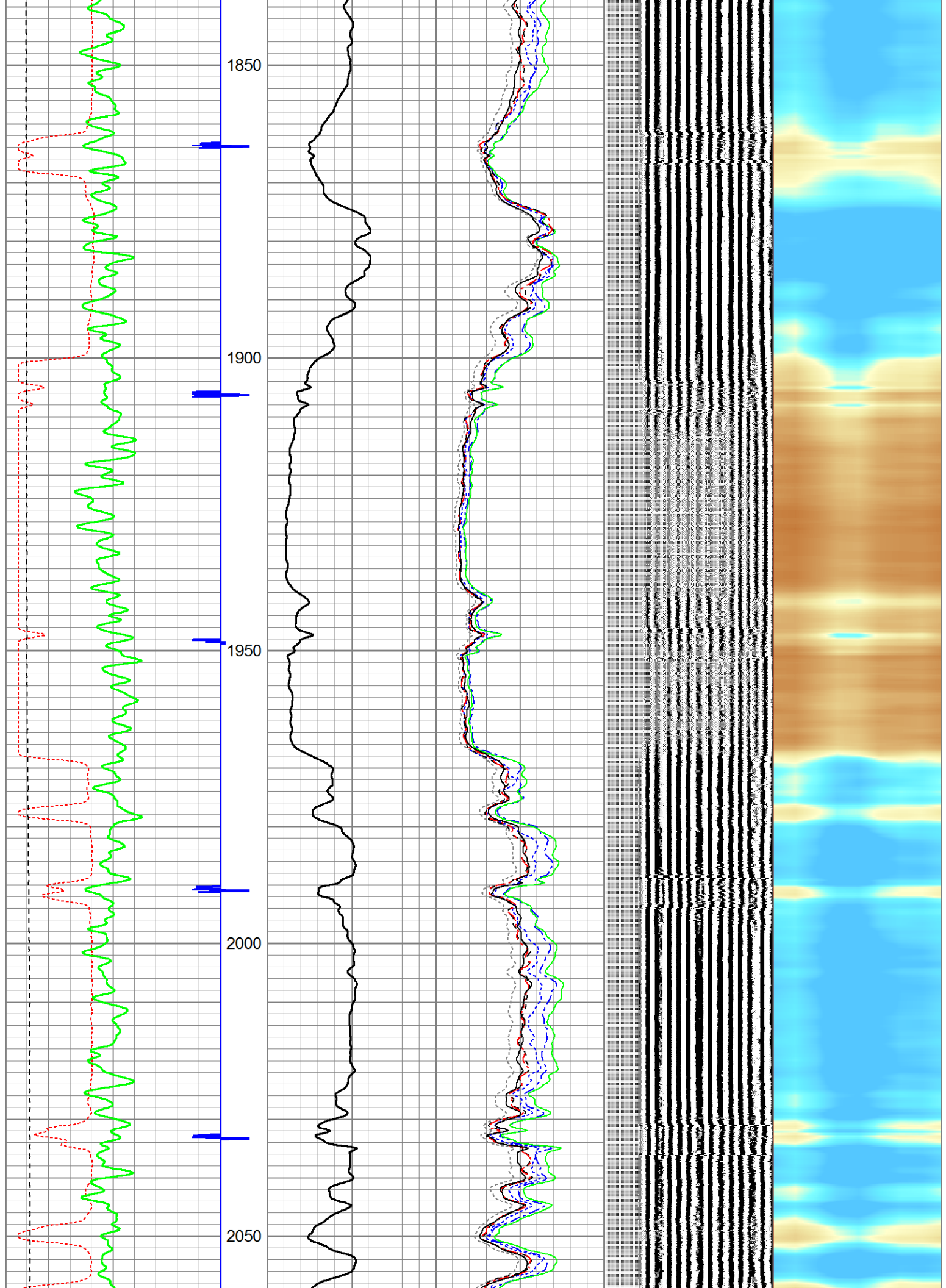




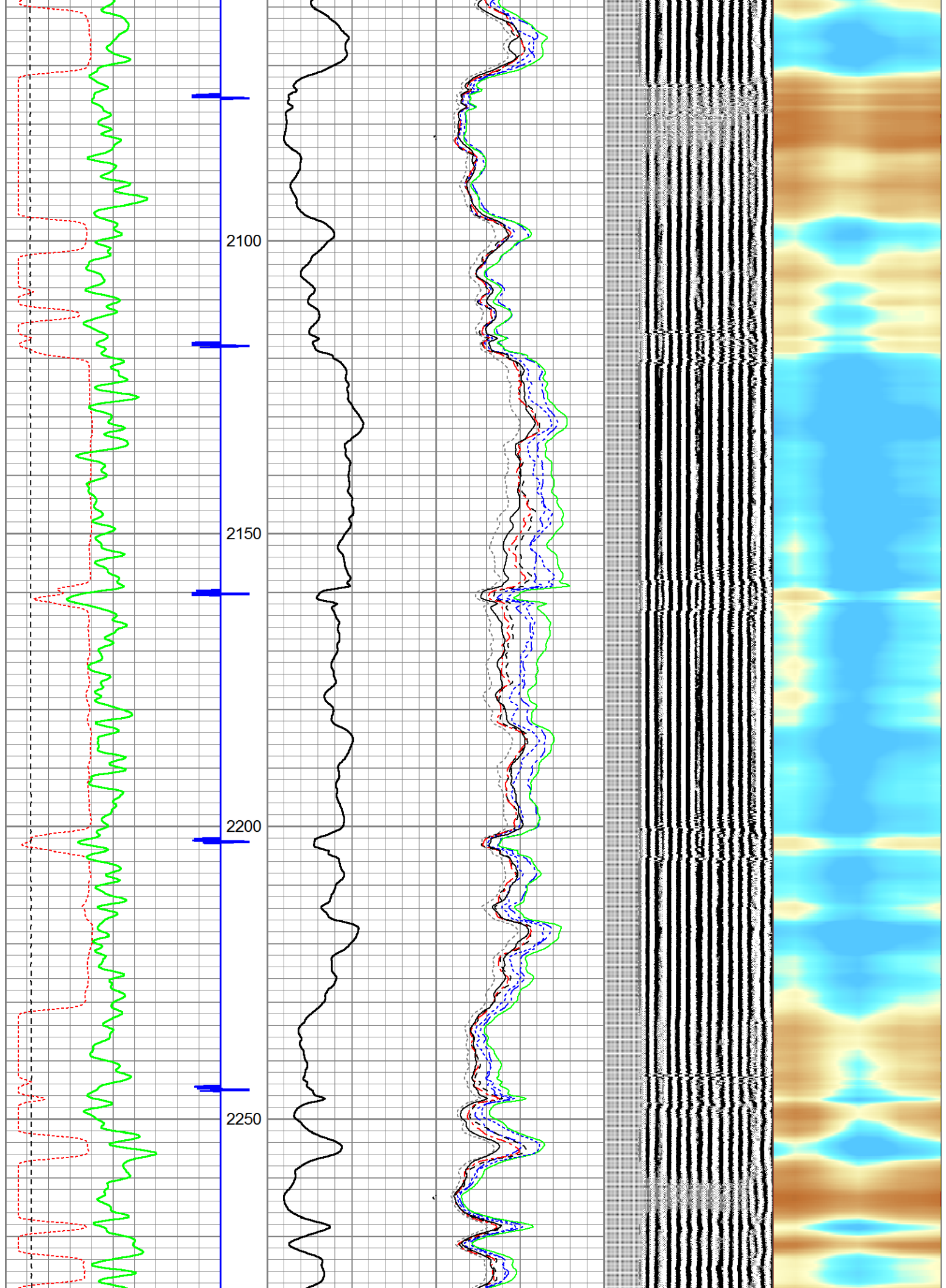


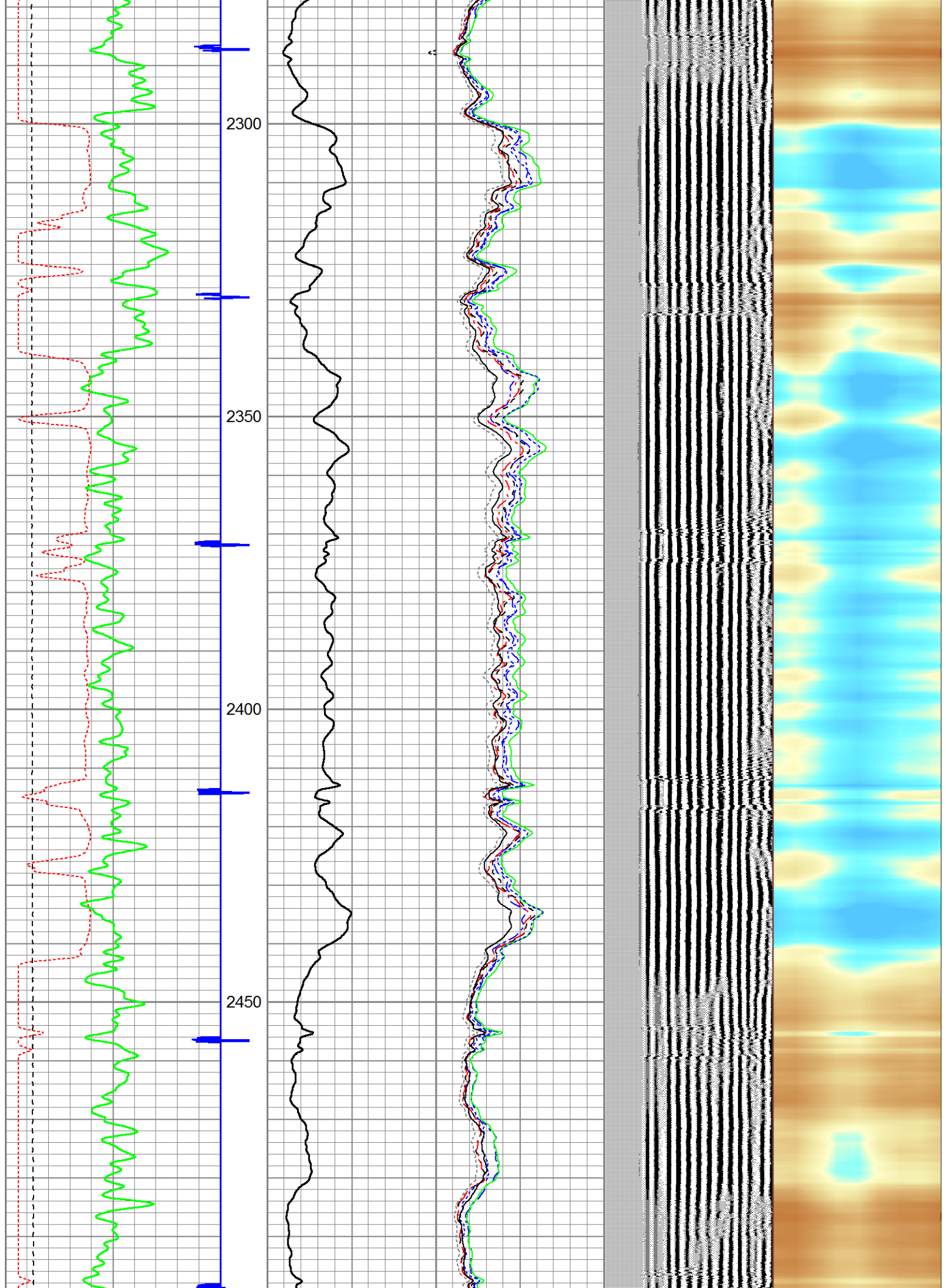




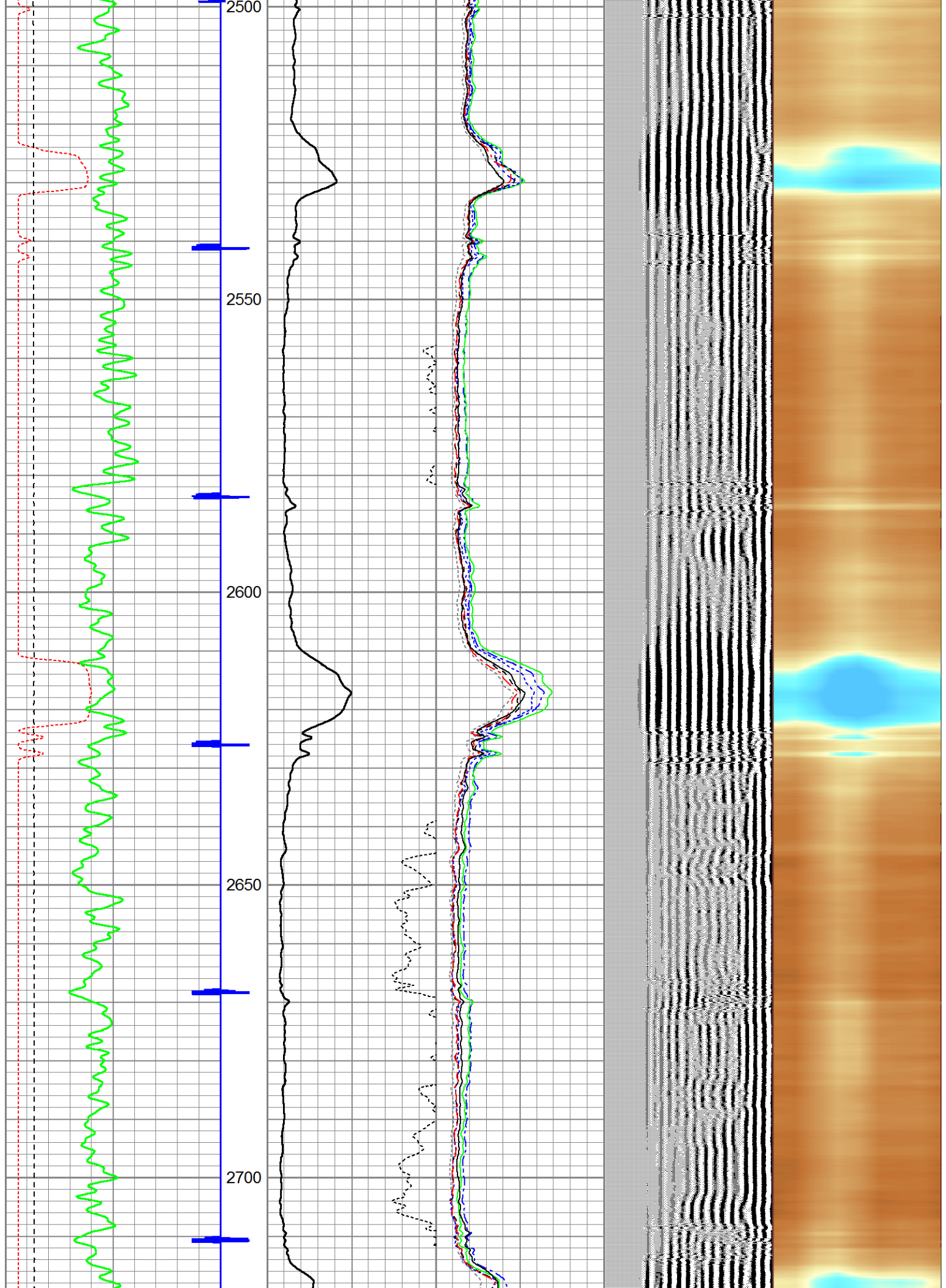


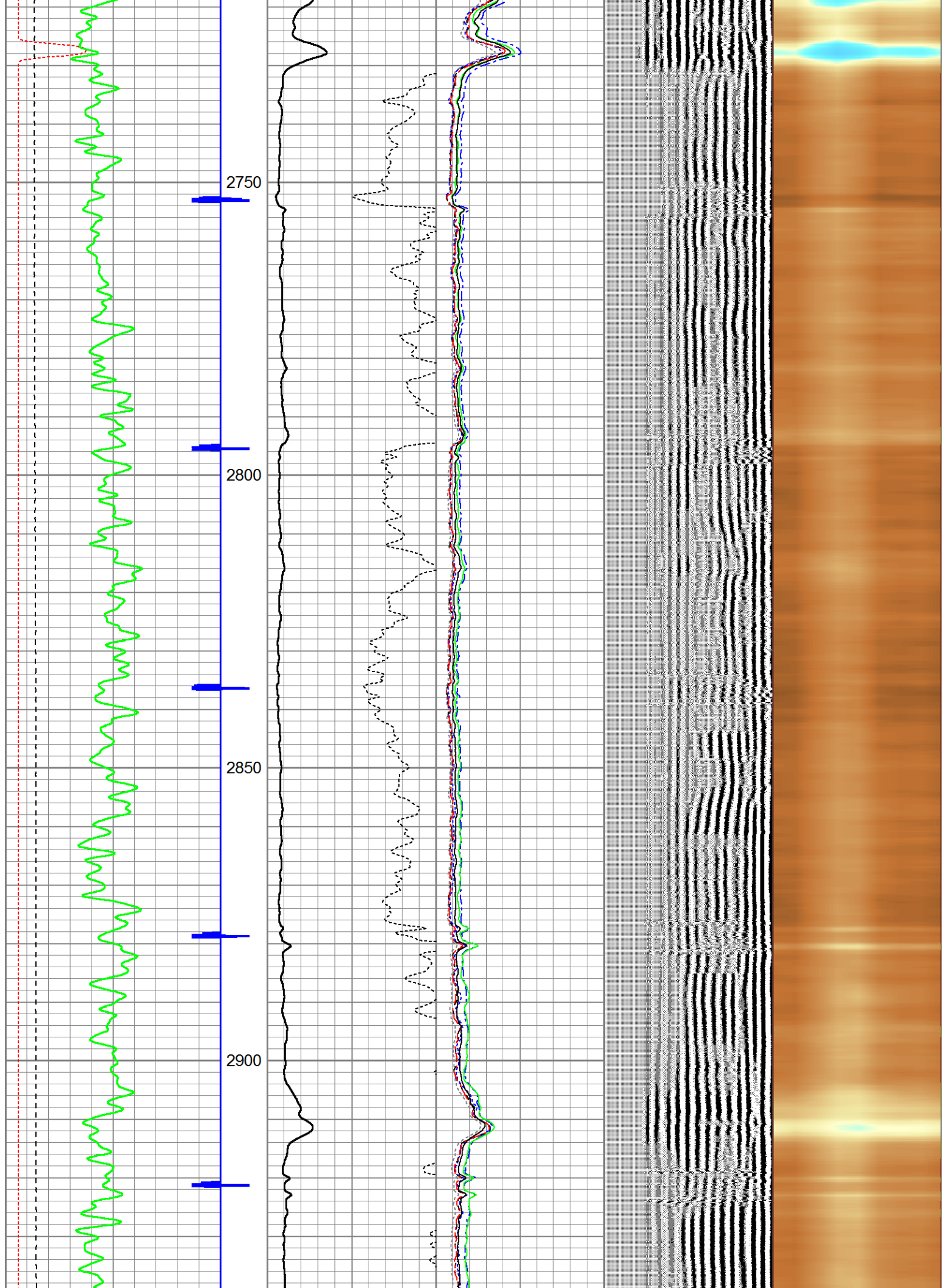




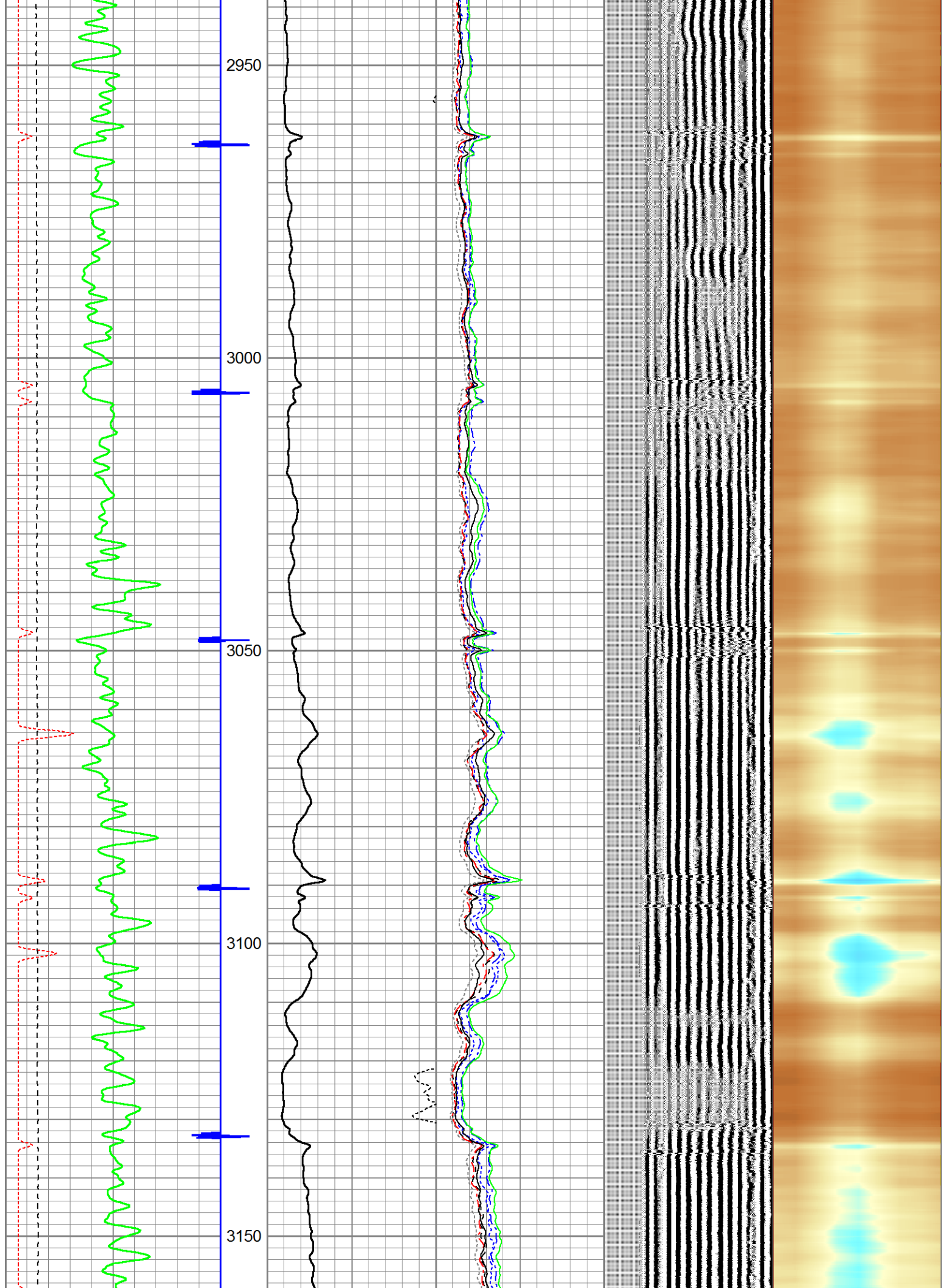


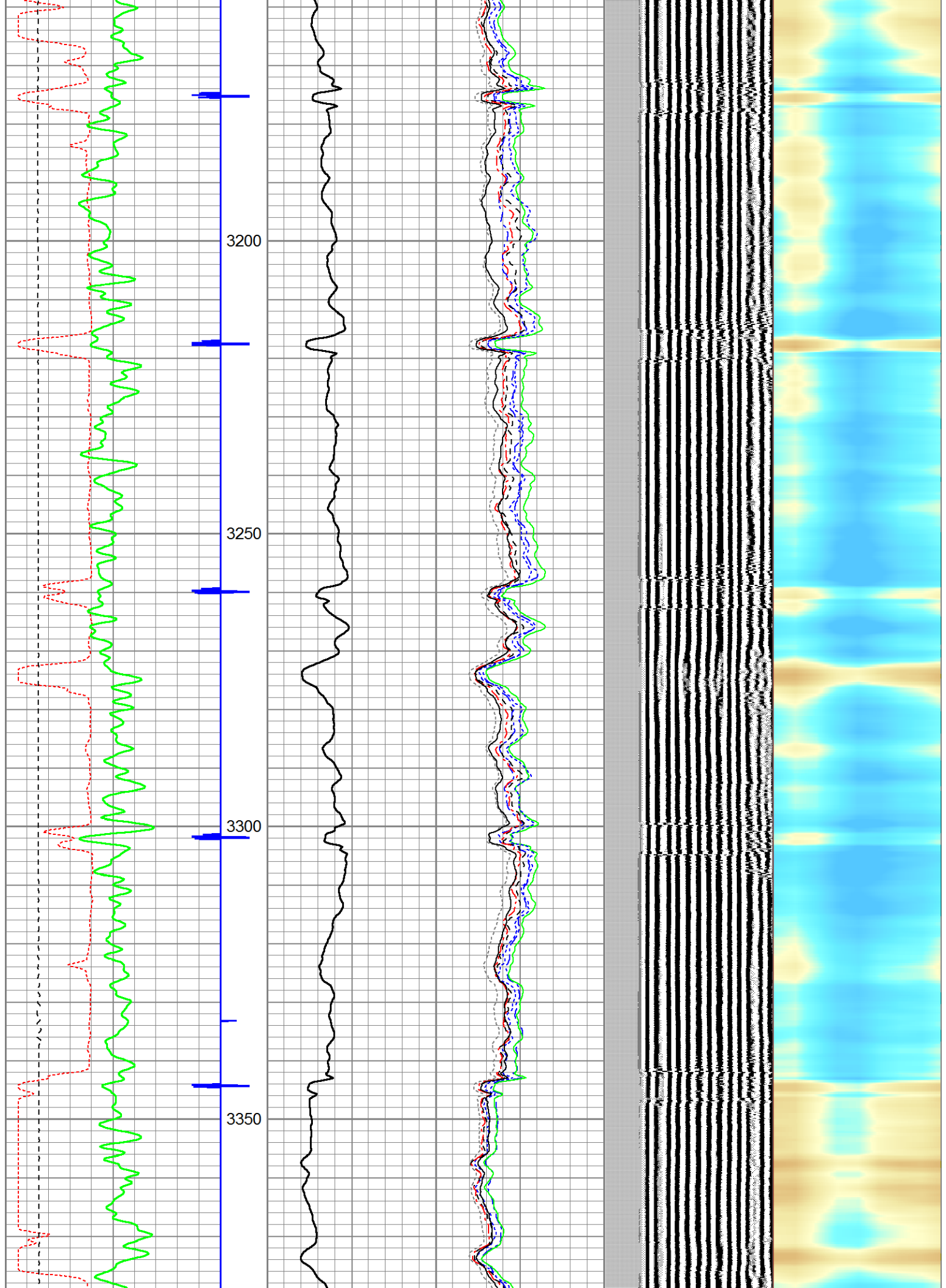


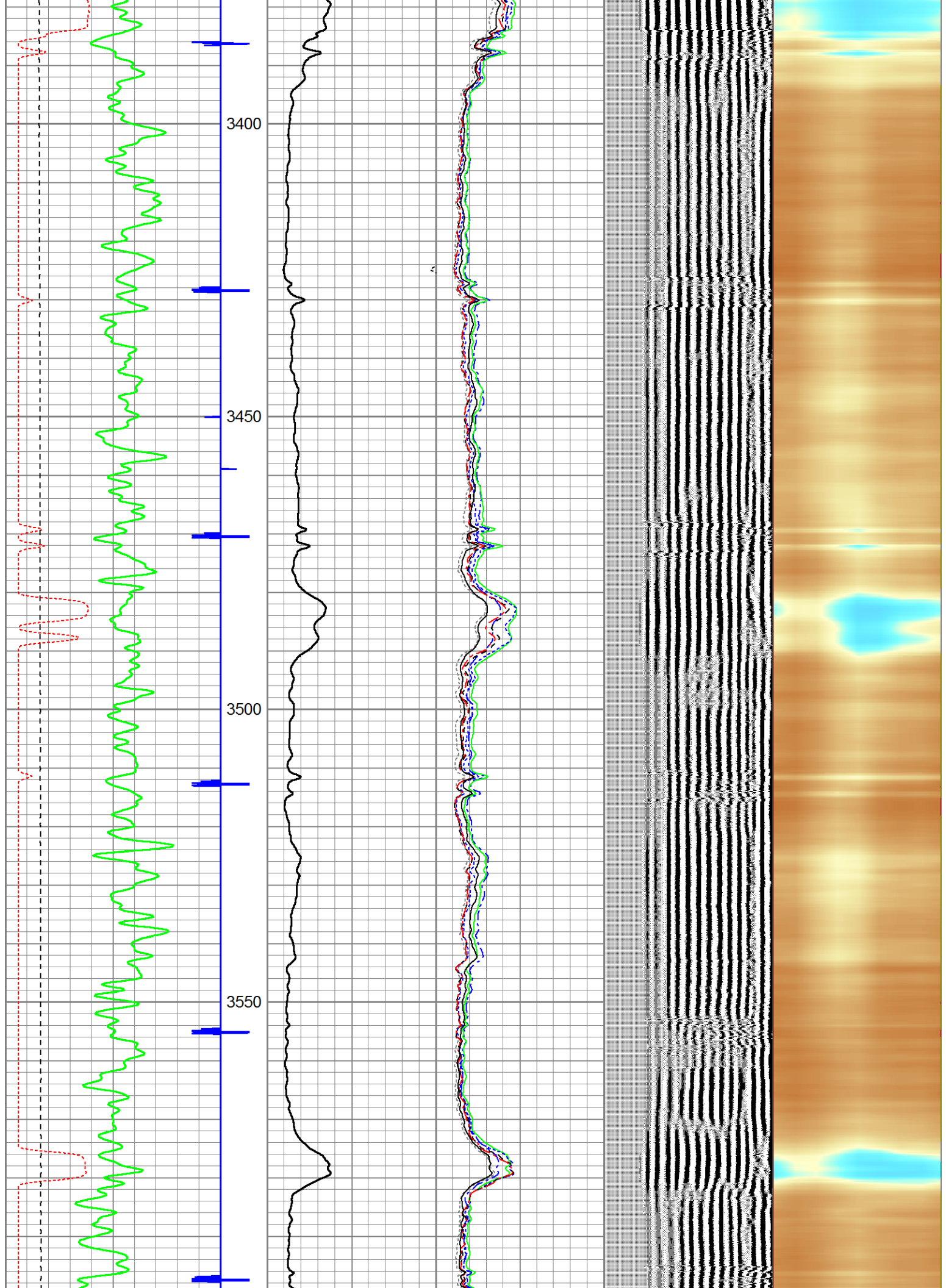




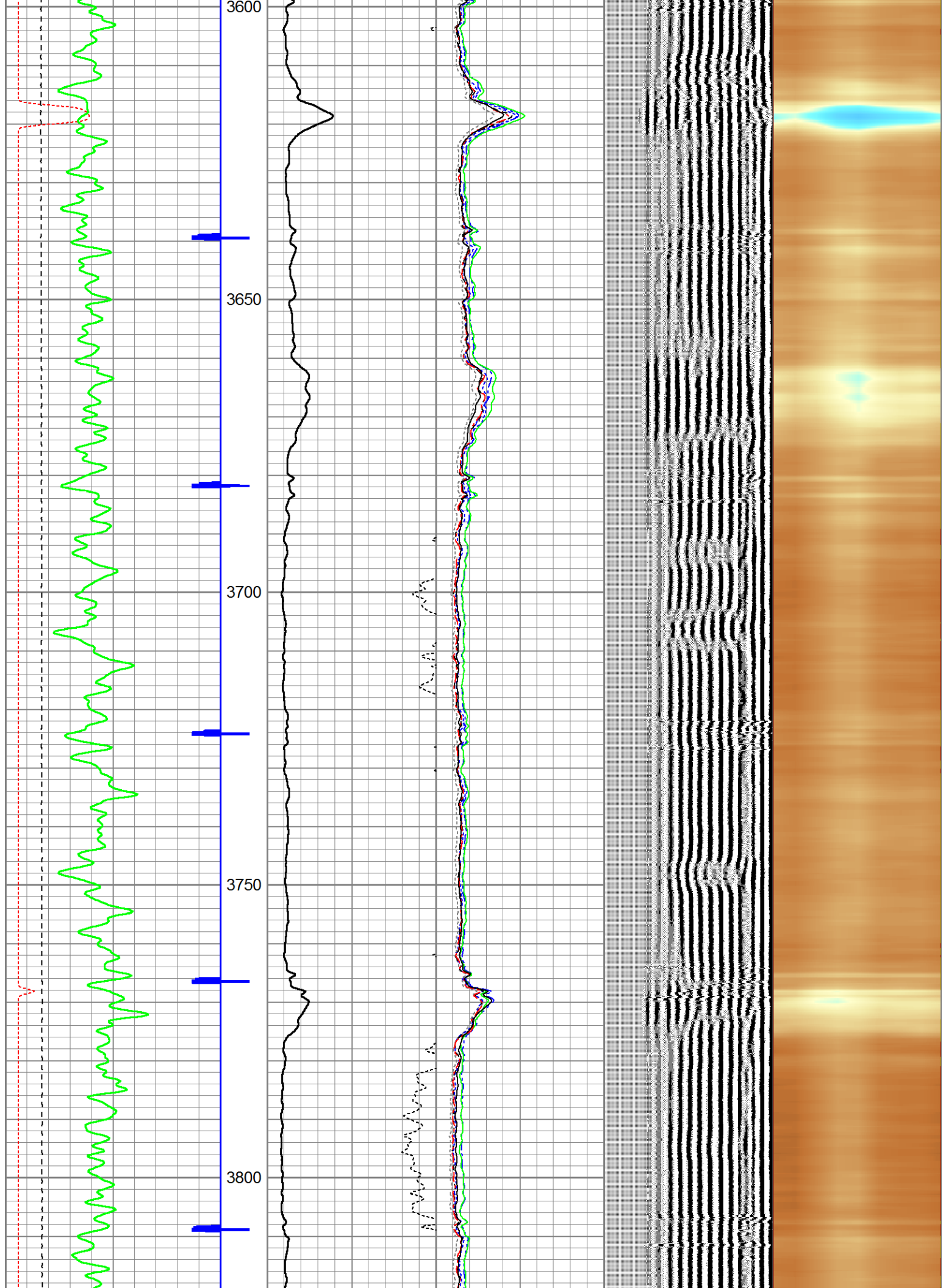




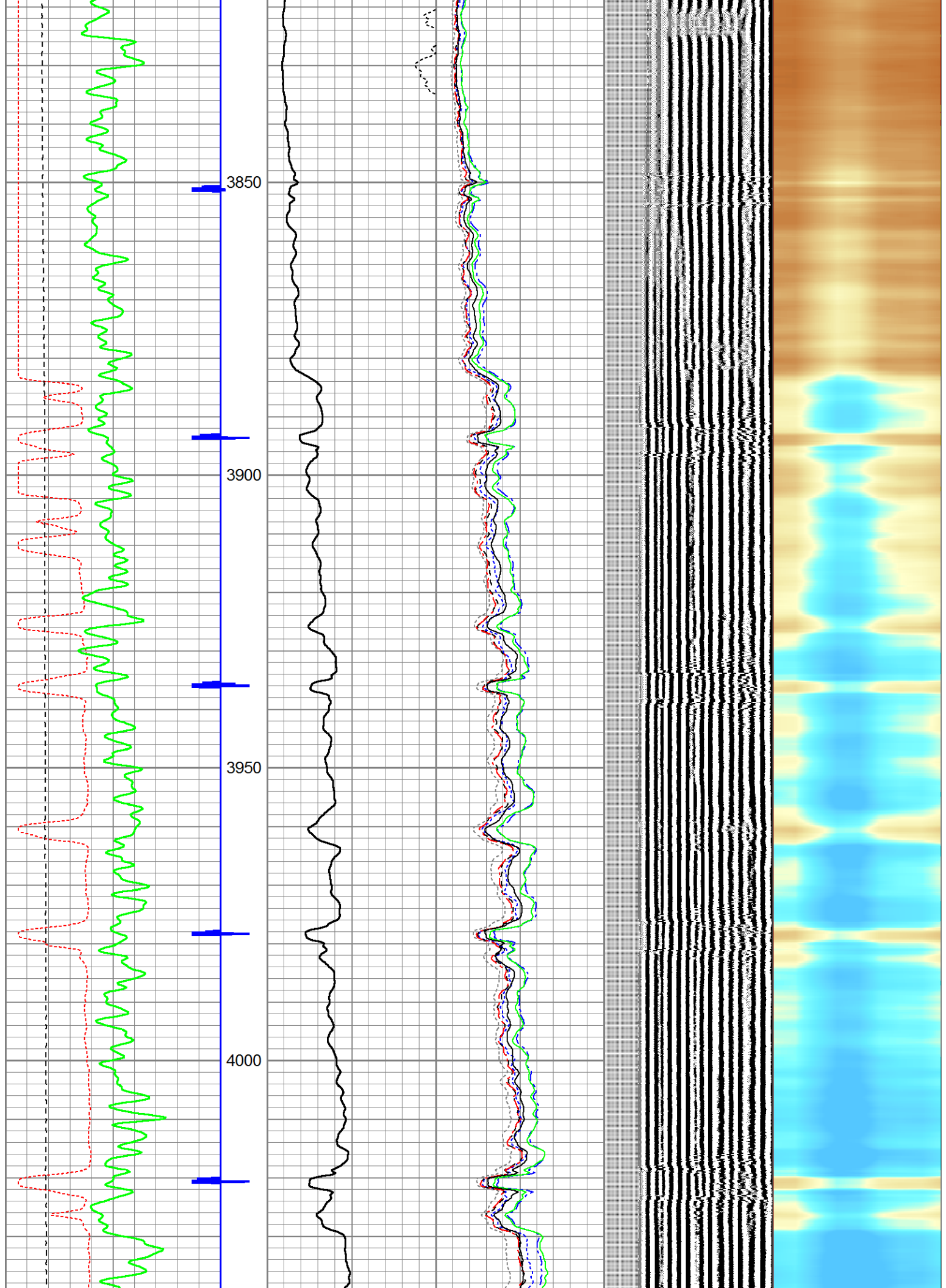


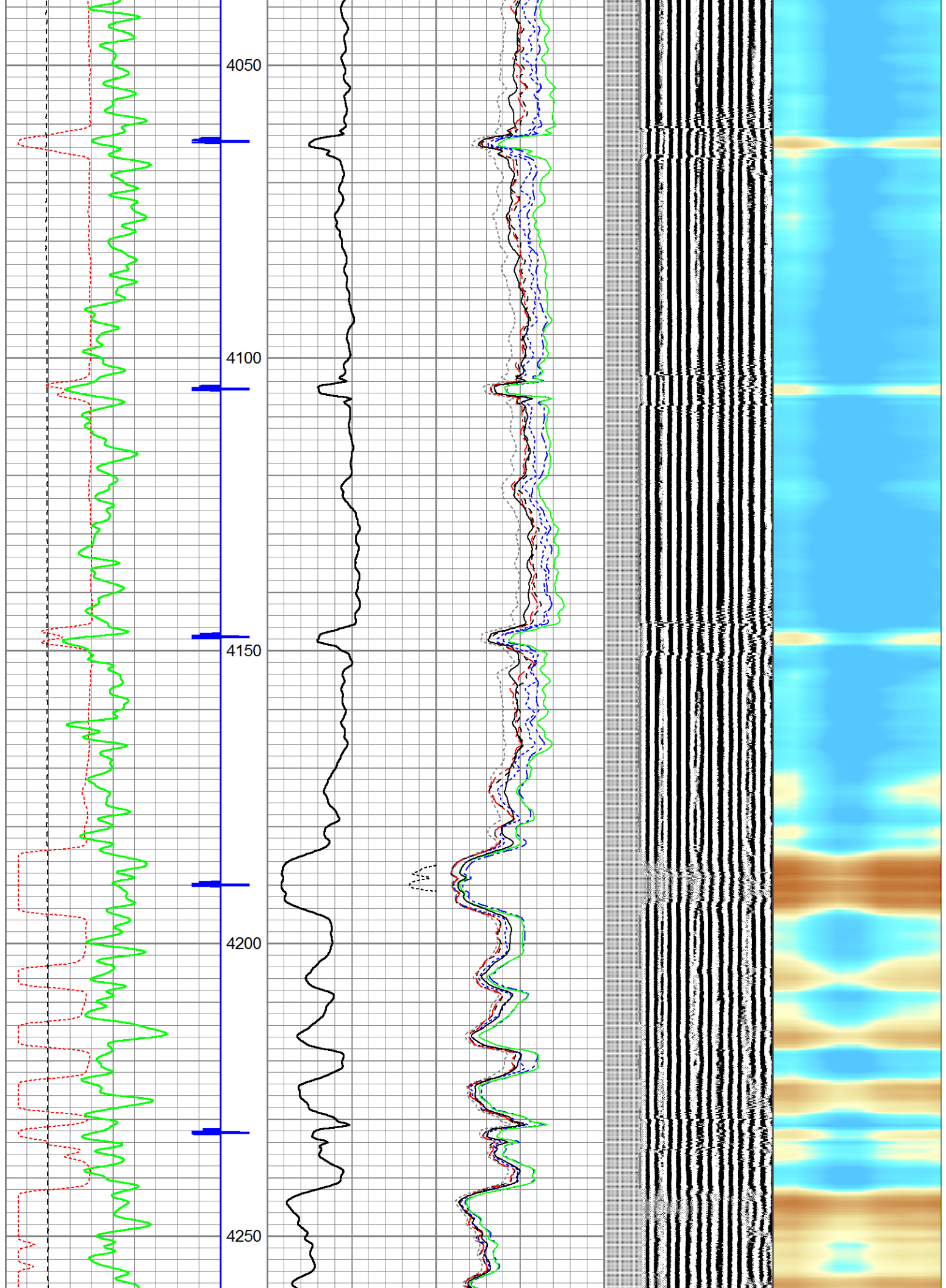


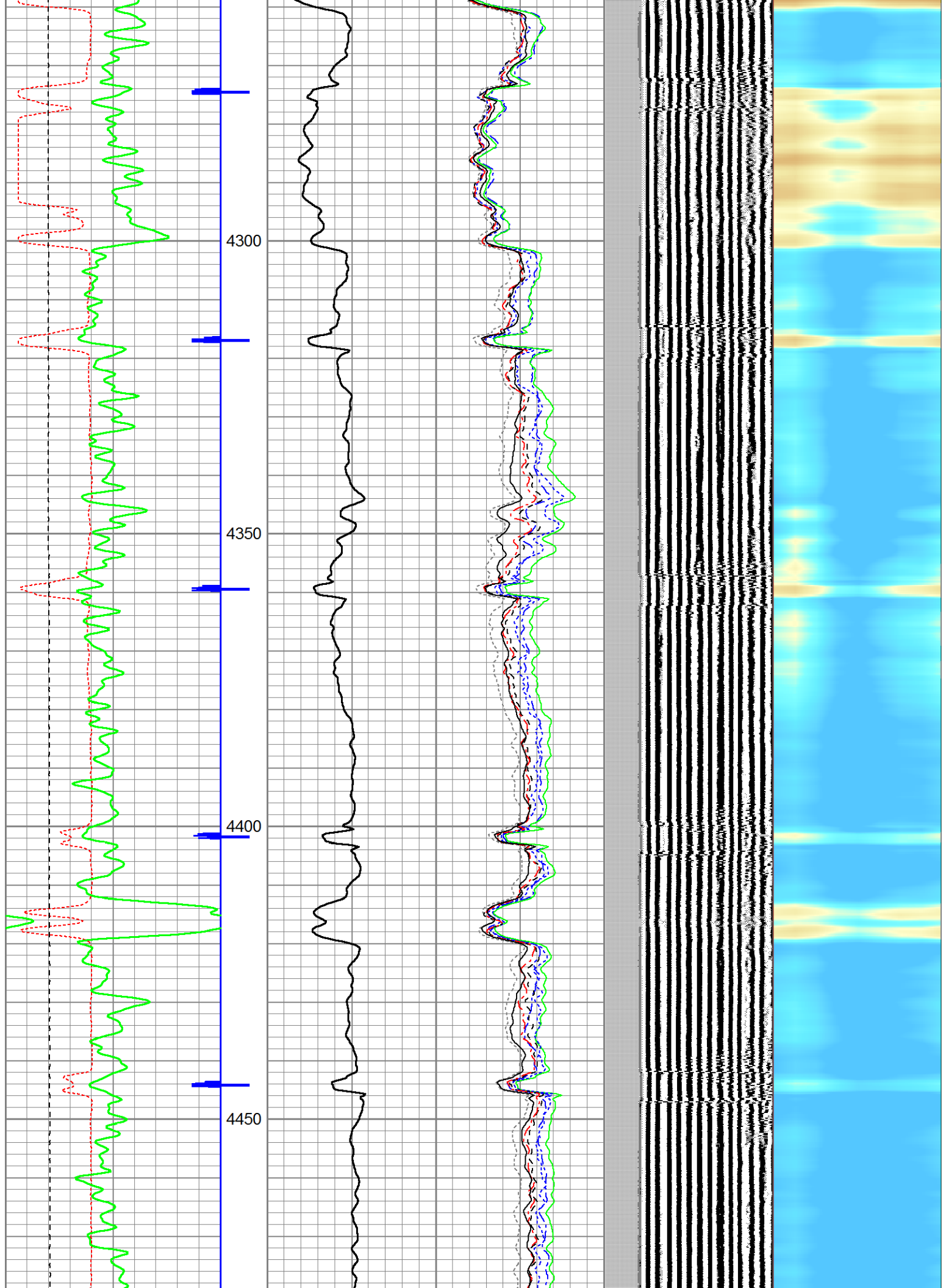




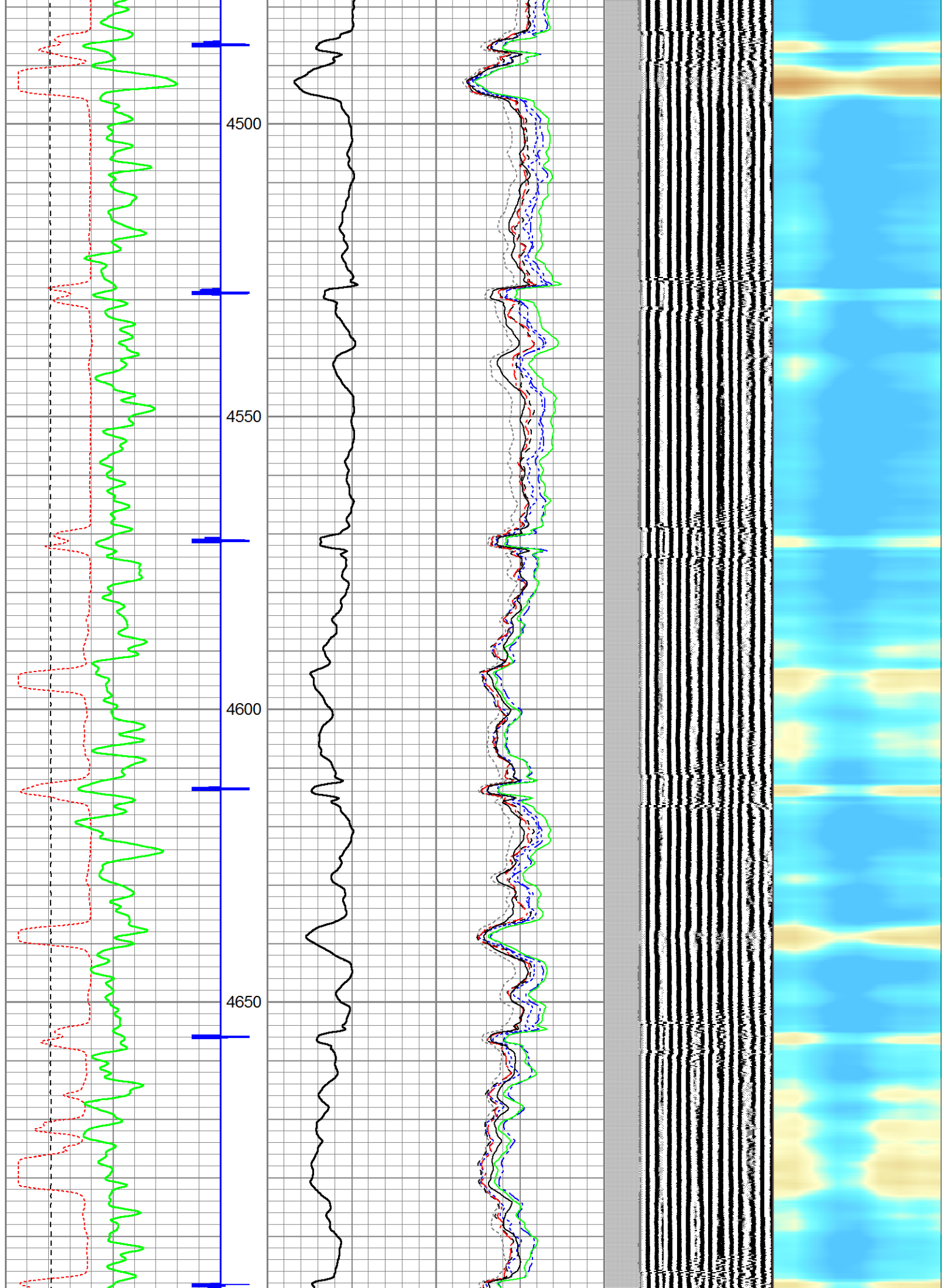


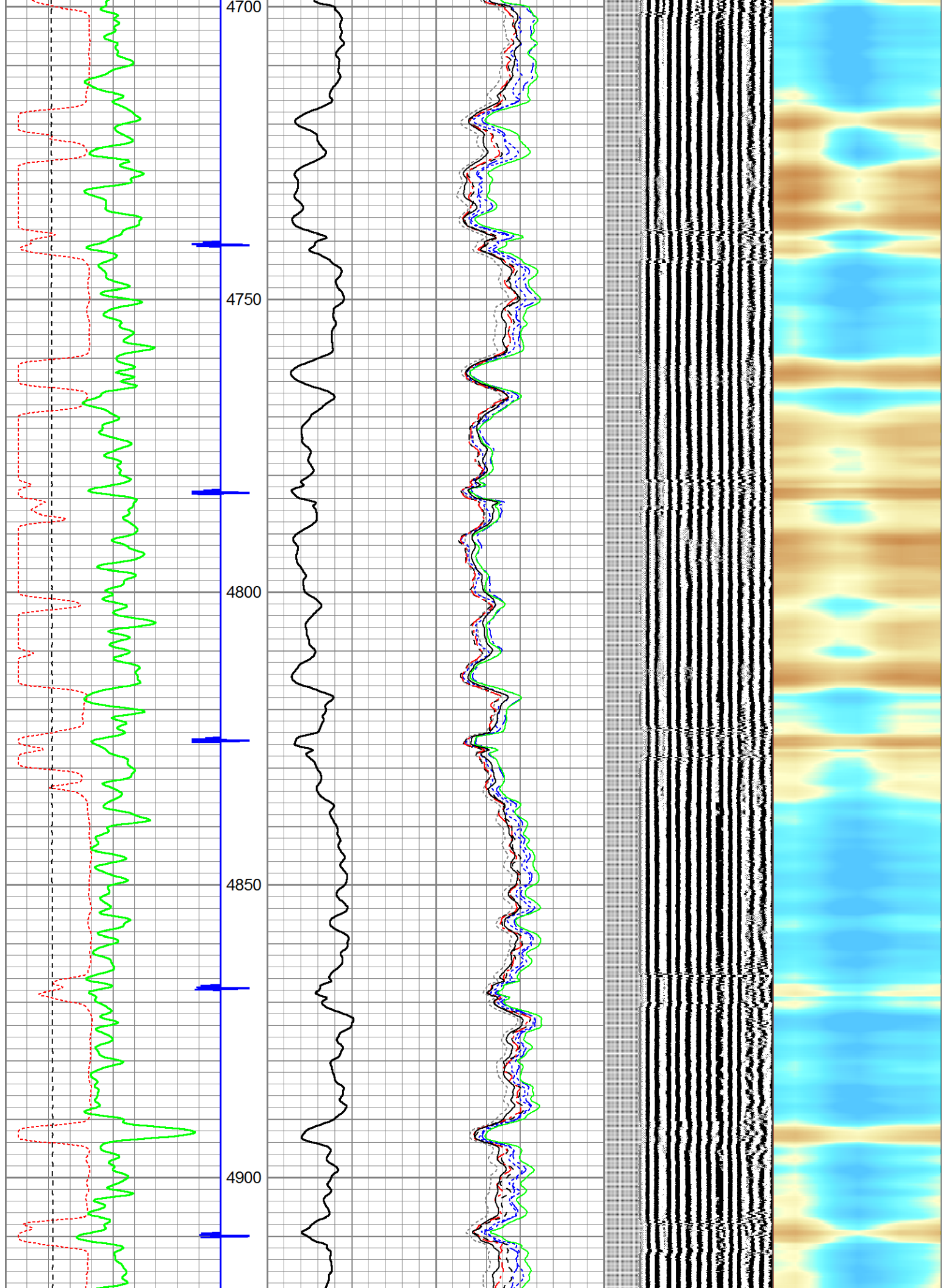


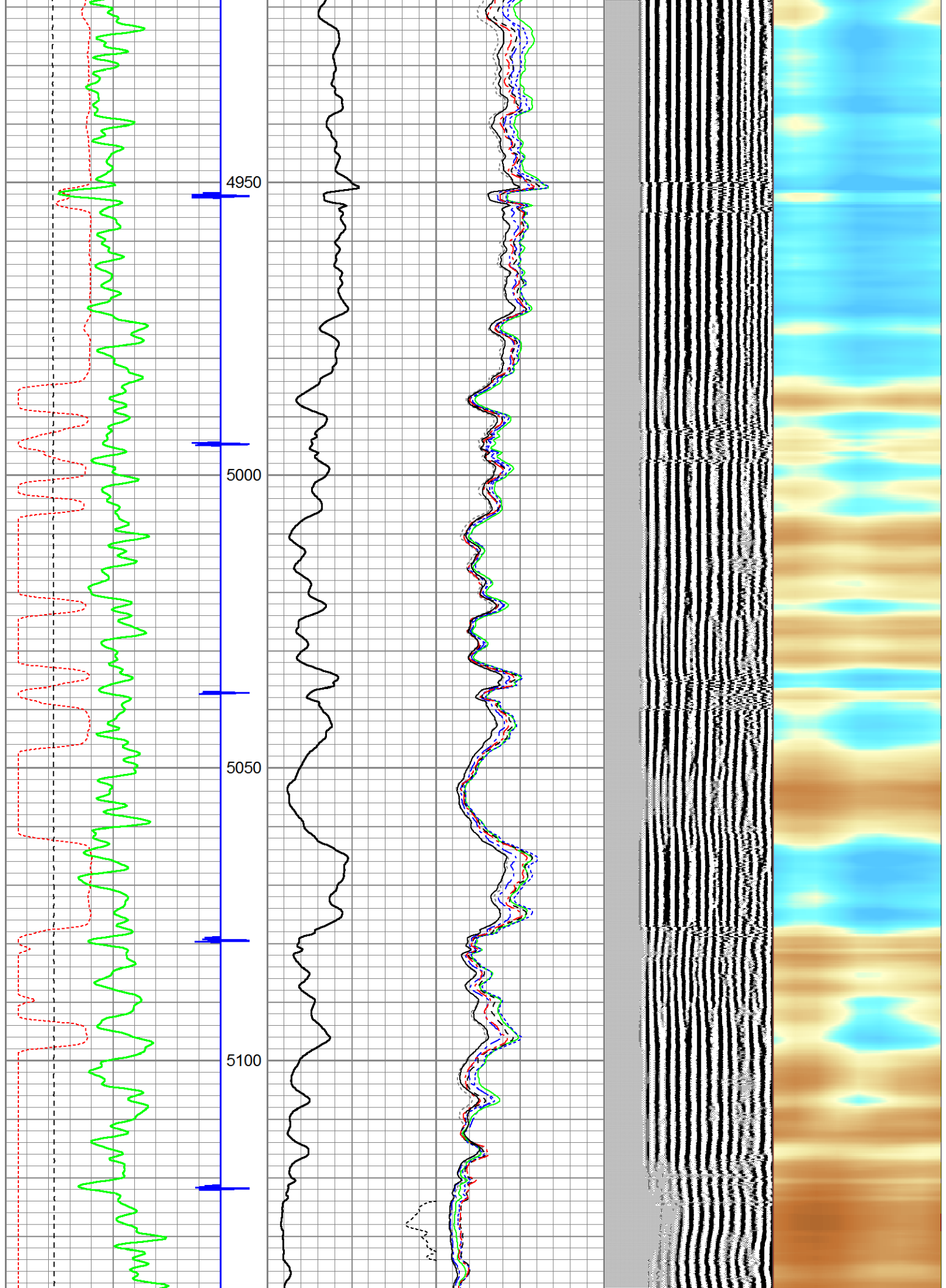




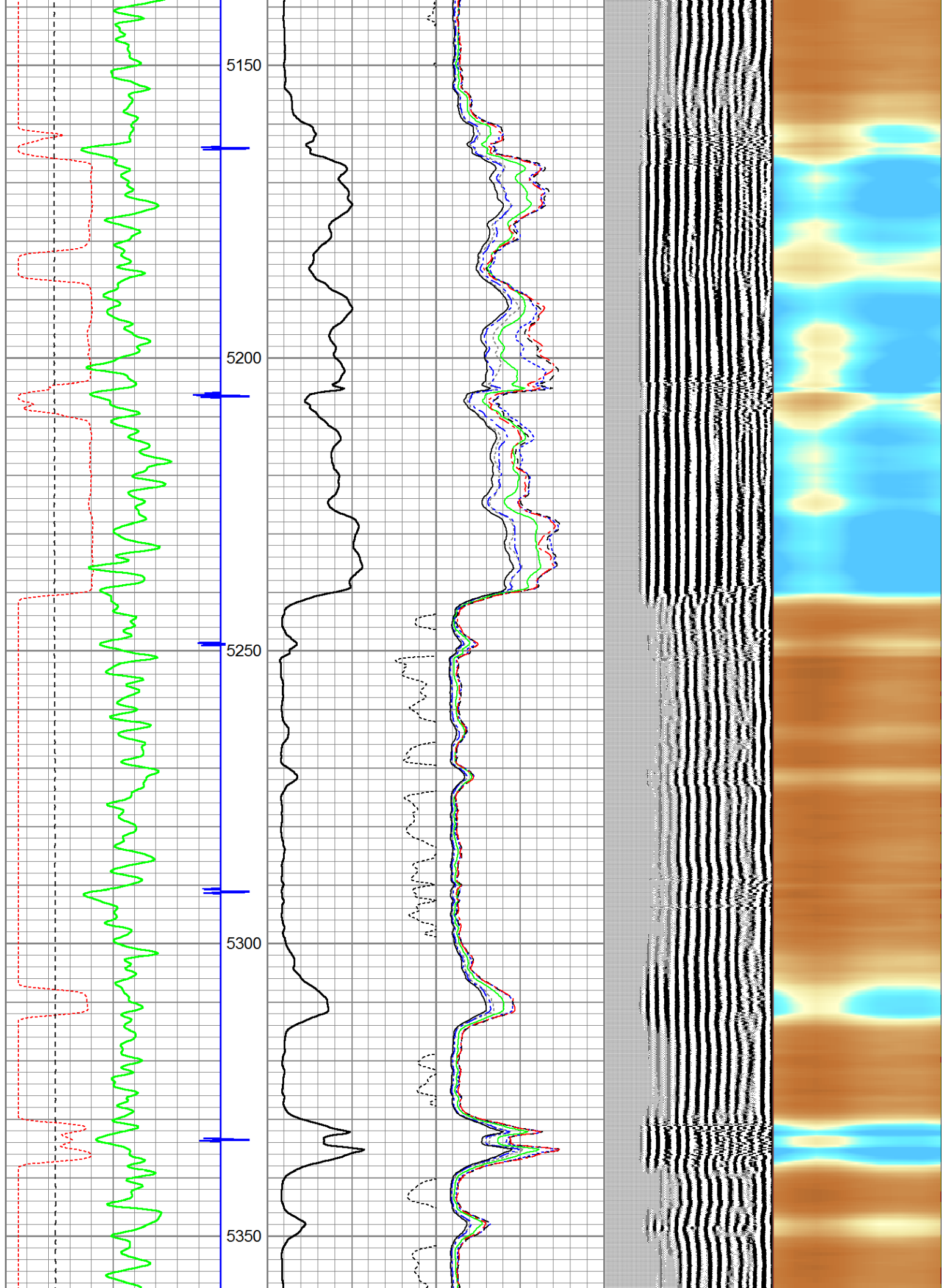


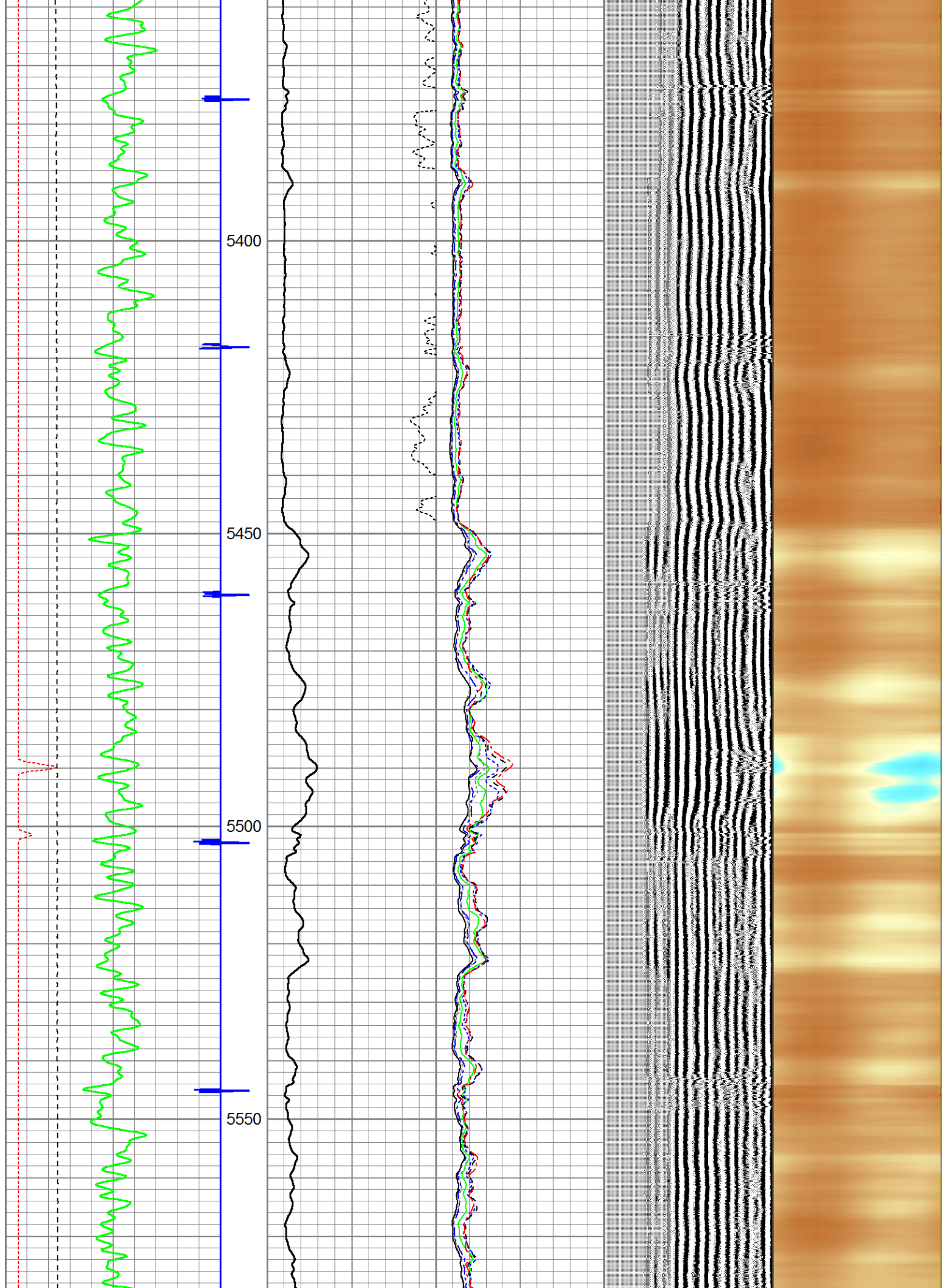


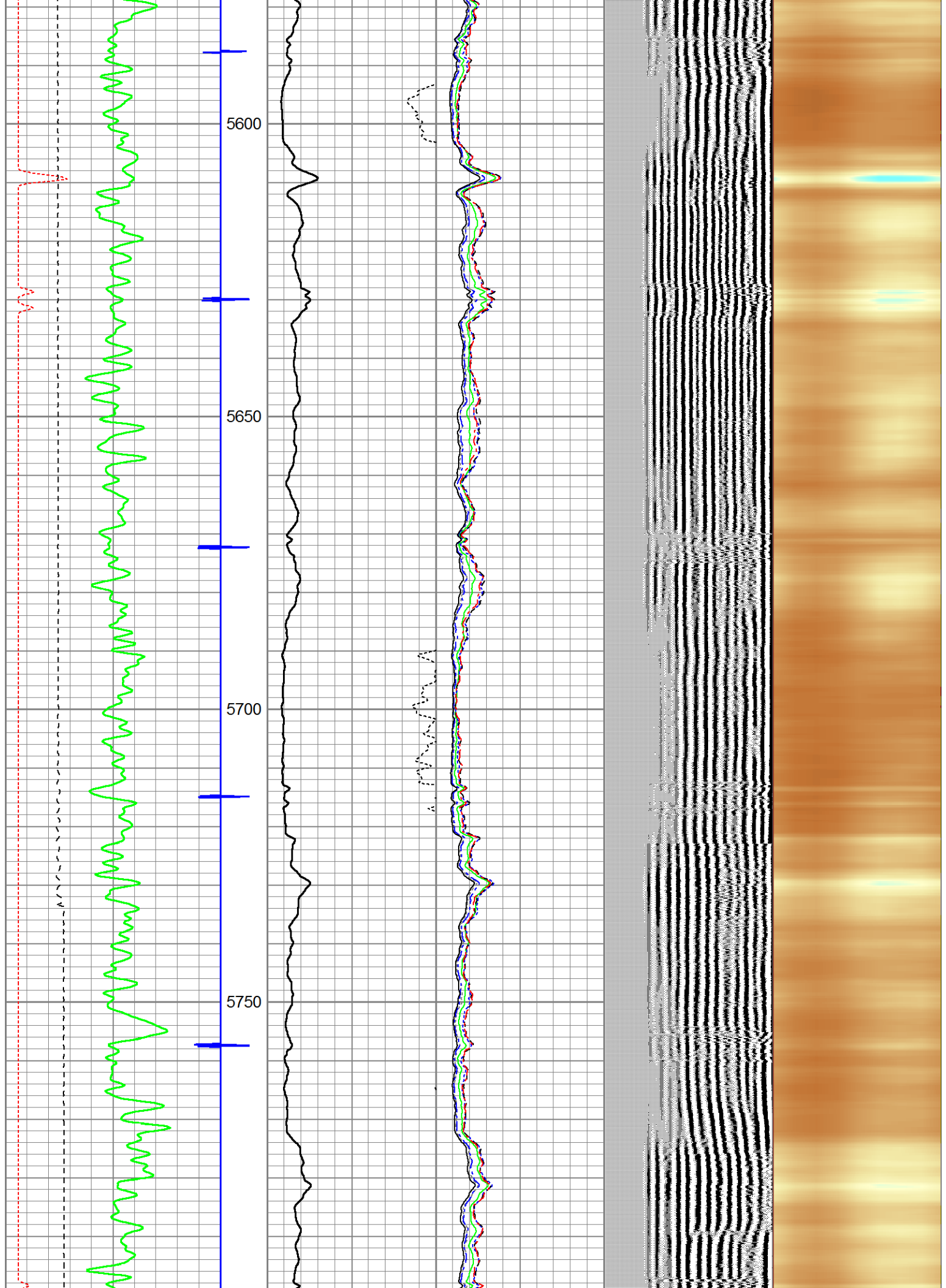




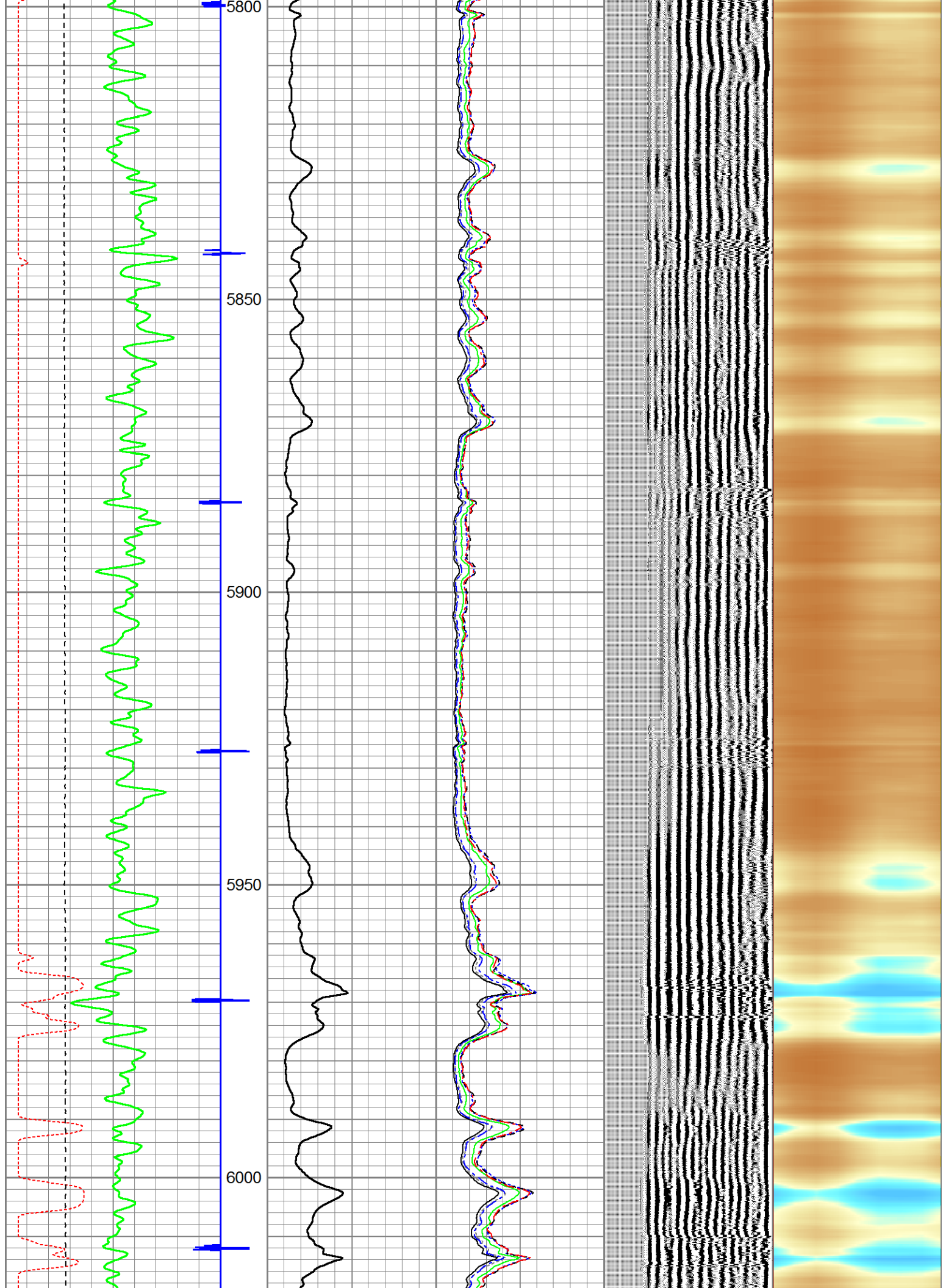


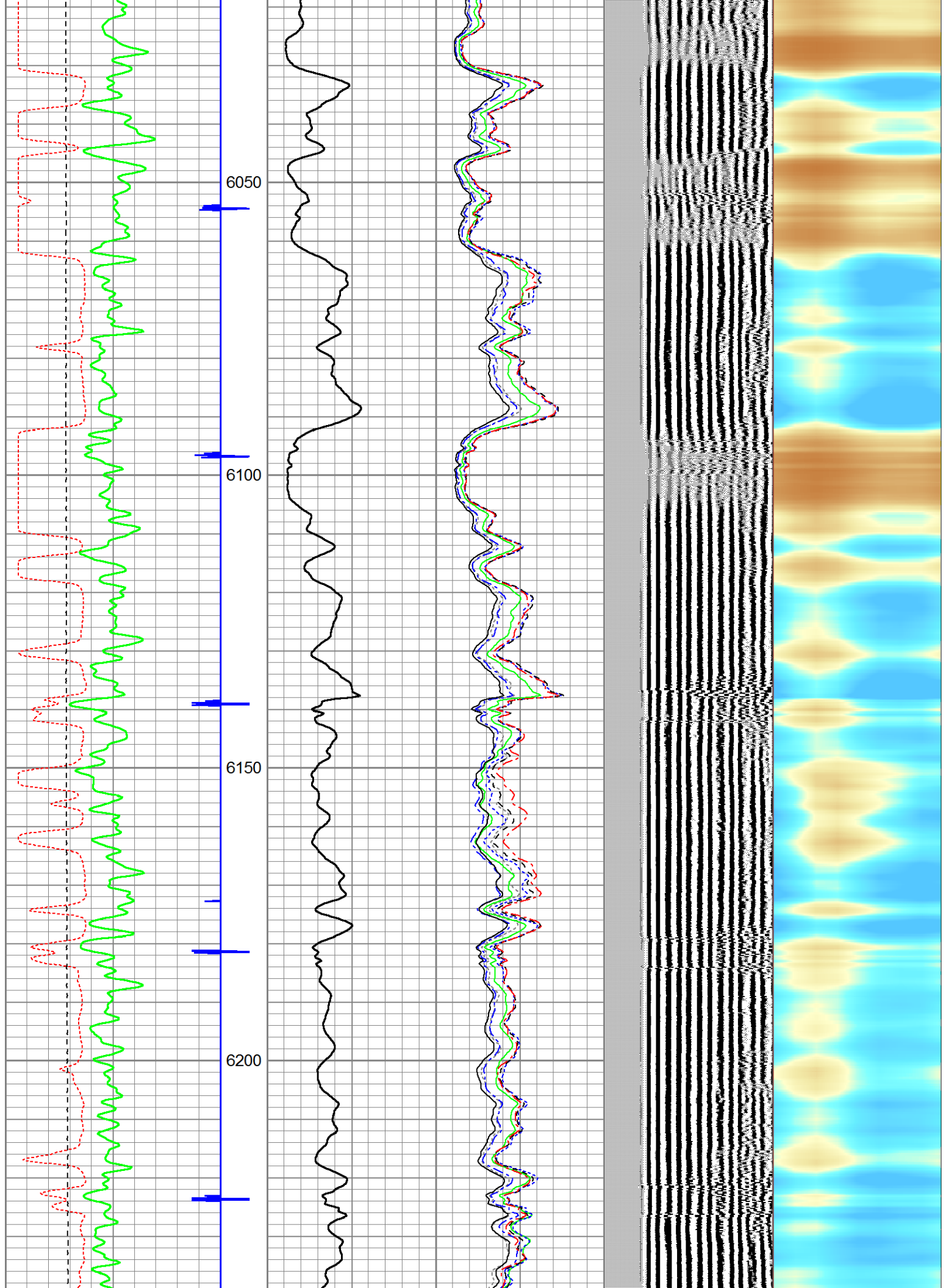




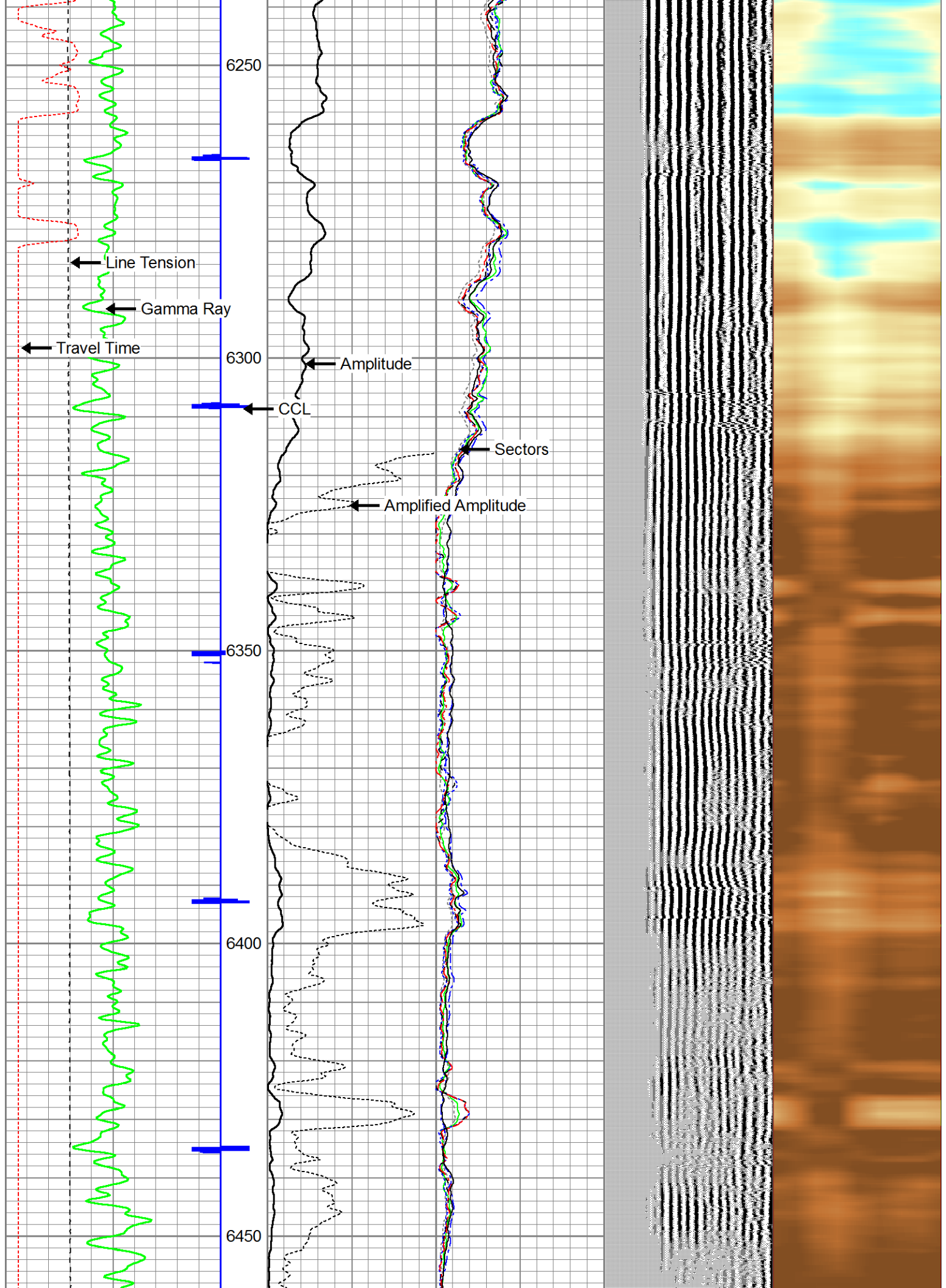




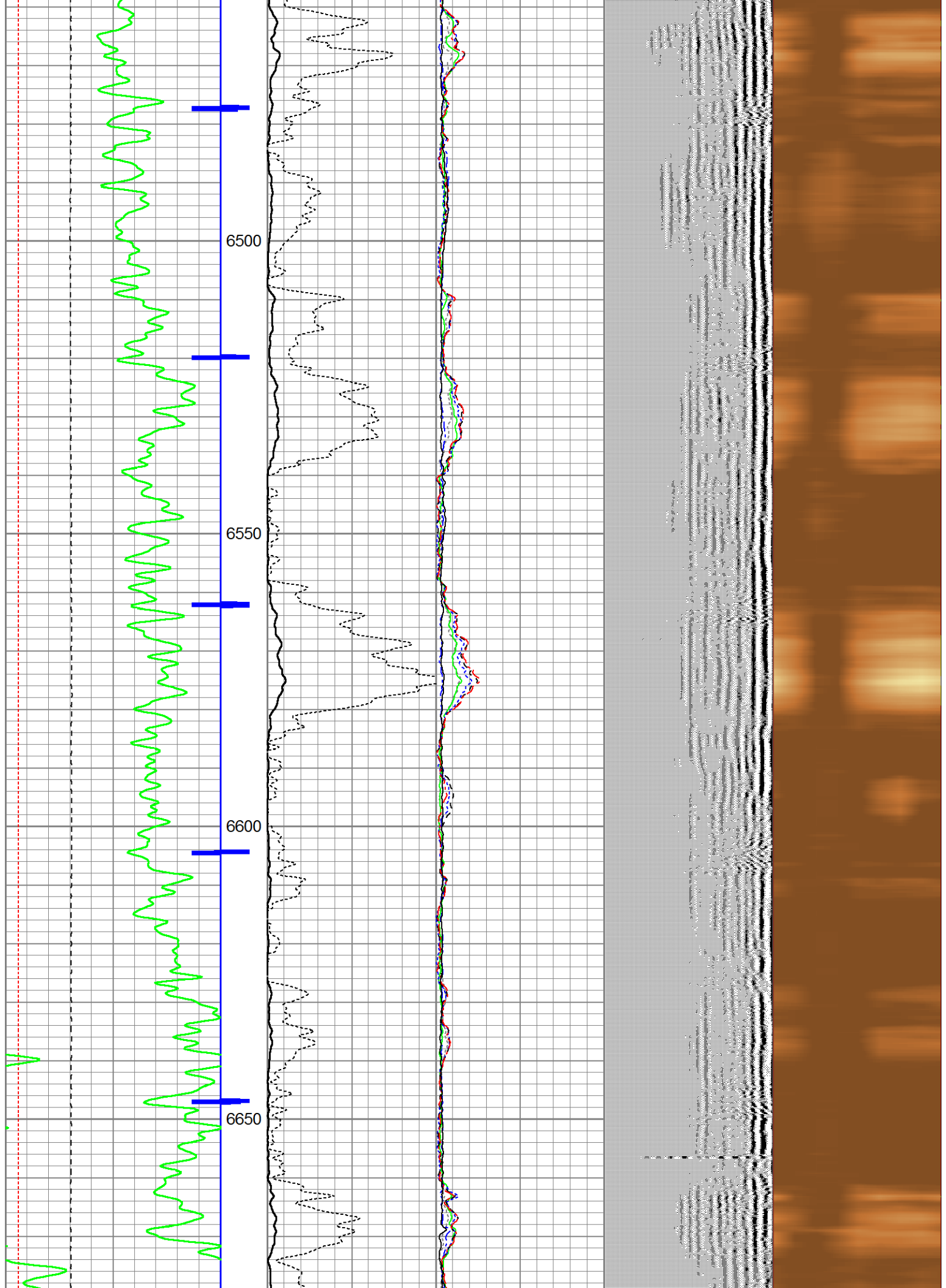


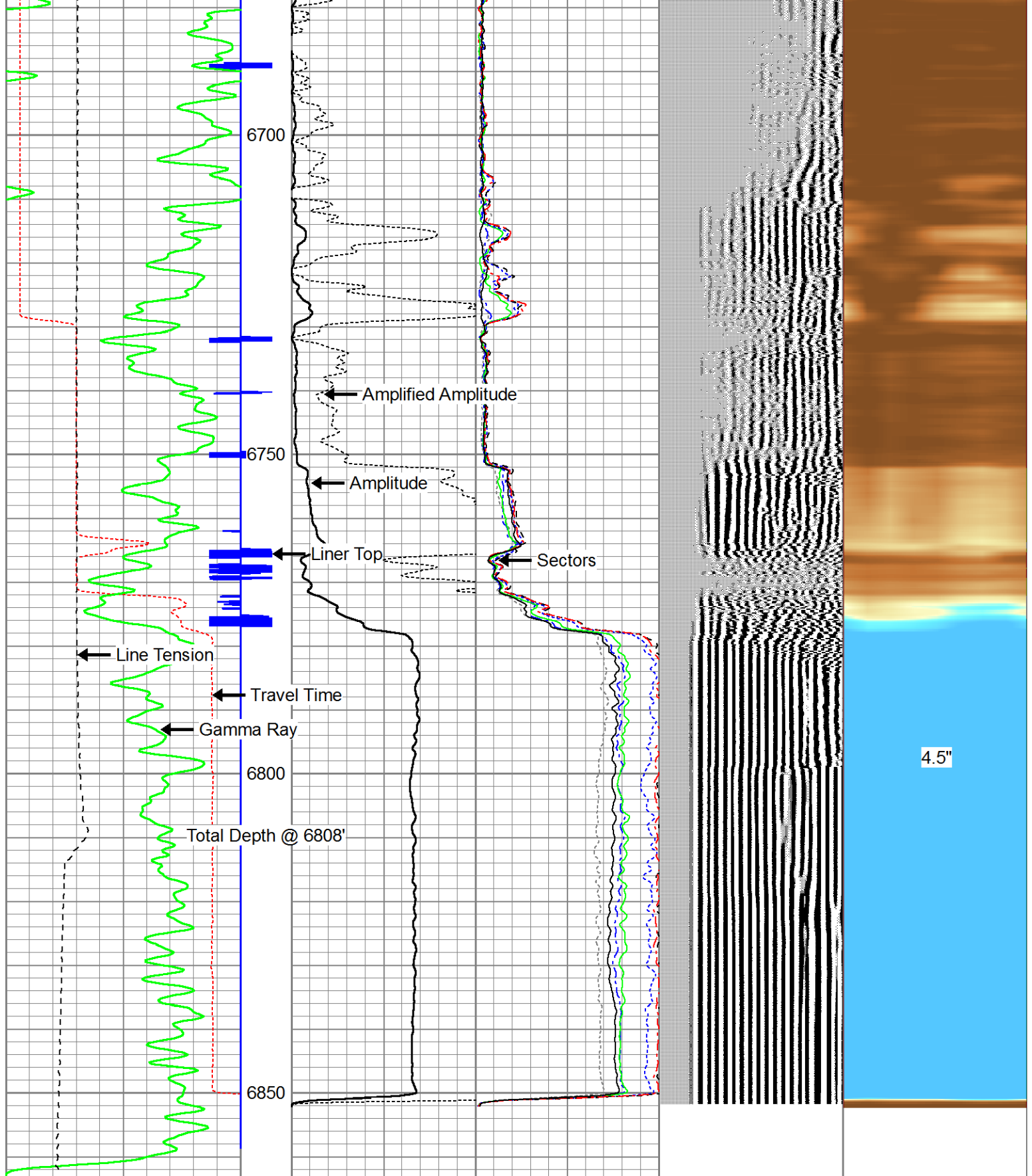


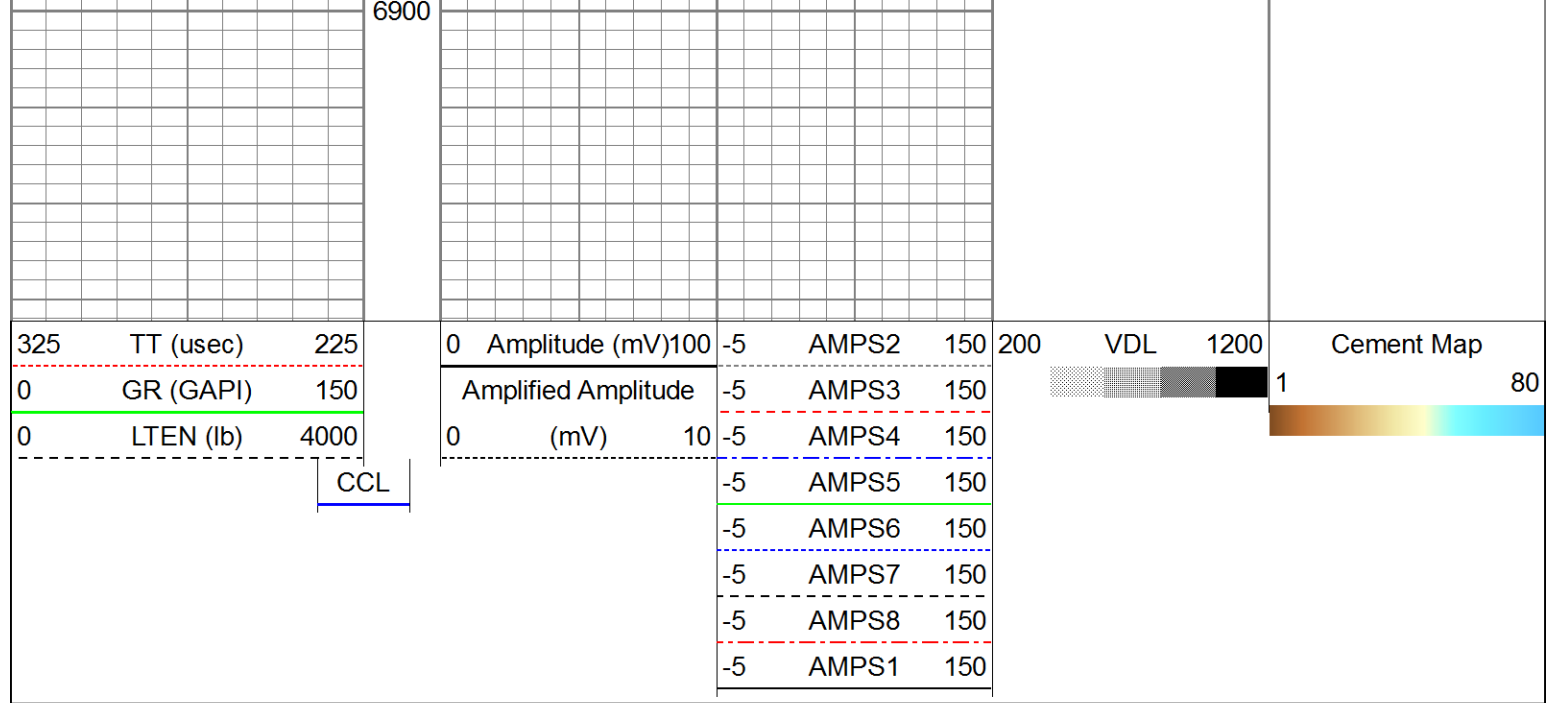






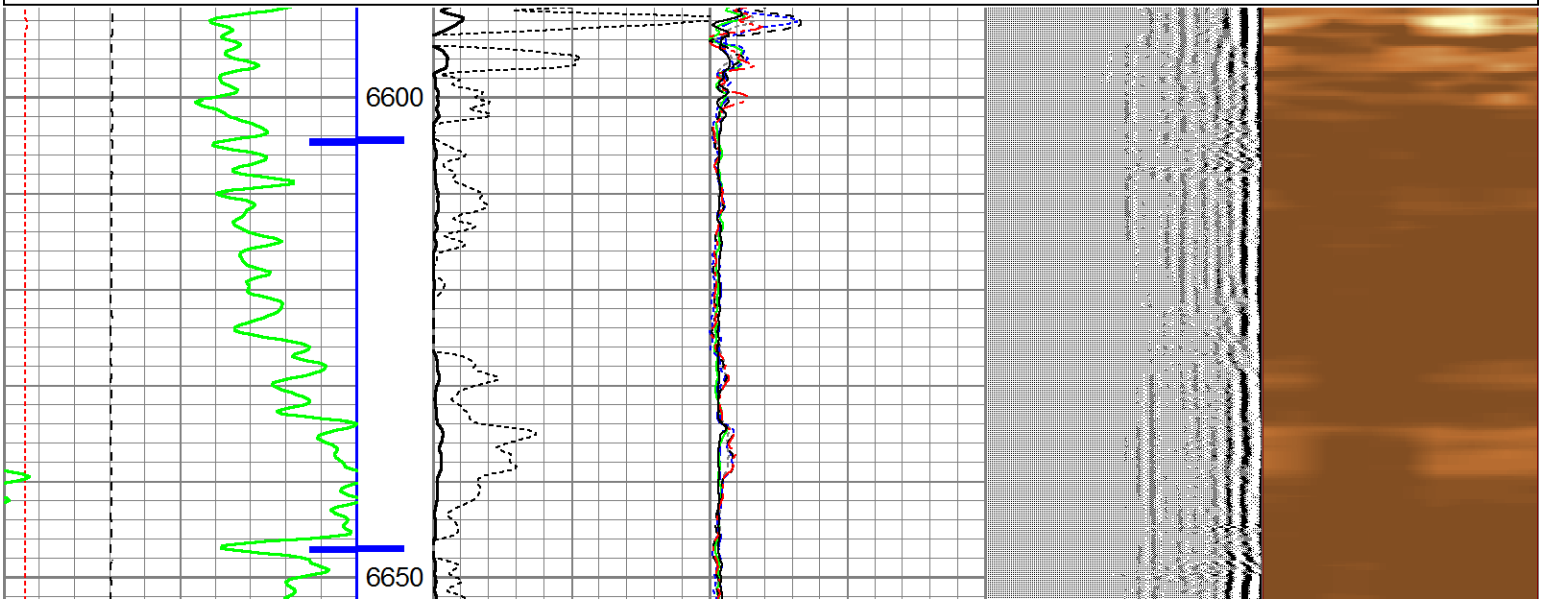
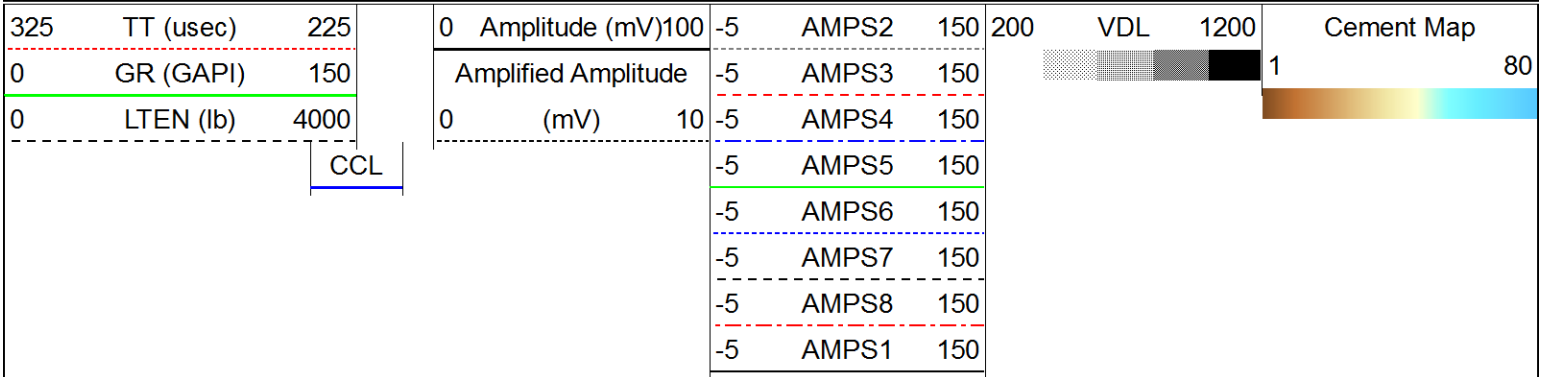




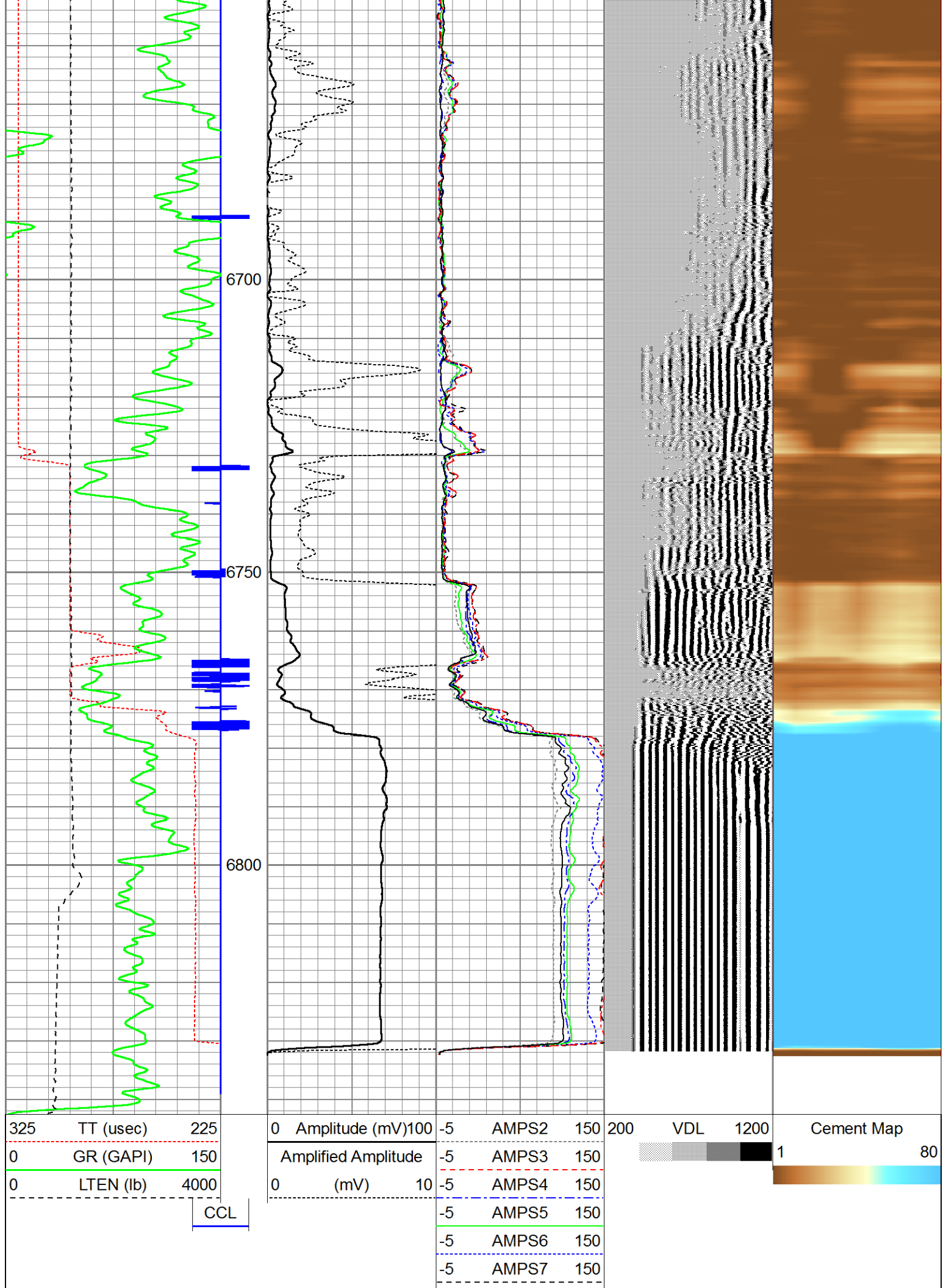


Repeat Pass @ 0 PSI

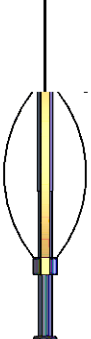

Database File: bayswater arellano p-10-9hn.db  
 Dataset Pathname: pass11  
 Presentation Format: anadarko  
 Dataset Creation: Thu Jul 16 09:06:55 2015 by Log 7.0 B1  
 Charted by: Depth in Feet scaled 1:240







-5	AMPS8	150
-5	AMPS1	150

Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
HEADVOLT	16.25		Standard Standard Cable Head	1.00	1.69	1.00
			PTS275	2.83	2.75	
WVF3FT	11.58		RBT-Probe (110217) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	11.58					
WVFS1	11.58					
WVFS2	11.58					
WVFS3	11.58					
WVFS4	11.58					
WVFS5	11.58					
WVFS6	11.58					
WVFS7	11.58					
WVFS8	11.58					
WVF5FT	10.58					
CCL	3.50		PTS275	2.83	2.75	
IntTemp	2.00		GR-275D_INC (275D_with_INC) 2-3/4" GR-CCL with Inclination	4.50	2.75	
ACCX	1.83					
ACCY	1.83					
ACCZ	1.83					
GR	0.83					

Dataset:	bayswater arellano p-10-9hn.db: field/well/run1/pass13
Total Length:	20.08 ft
Total Weight:	91.00 lb
O.D.	2.75 in



Company	Bayswater Exploration
Well	Arellano P-10-9HN
Field	Wattenberg
County	Weld
State	Colorado