



Radial Bond Log
Gamma Ray/CCL

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

Location: API #: 05-123-41106

NE 1/4 & SE 1/4

Other Services
Dart

Permanent Datum SEC 10 TWP 5N RGE 65W
Log Measured From Ground Level Elevation 4,616'
Drilling Measured From 23' Above Permanent Datum

Elevation
K.B. 4,593'
D.F. 4,592'
G.L. 4,616'

Date 13-July-2015

Run Number	One		
Depth Driller	14,034'		
Depth Logger	7,134'		
Bottom Logged Interval	7,122'		
Top Log Interval	Surface		
Open Hole Size	N/A		
Type Fluid	Water		
Density / Viscosity	N/A		
Max. Recorded Temp.	N/A		
Estimated Cement Top	6,320'		
Time Well Ready	Upon Arrival		
Time Logger on Bottom			
Equipment Number	202		
Location	Ault, CO		
Recorded By	Chris Blankenhorn		
Witnessed By	Caleb Brewer		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To

Casing Record	Size	Mgt/Ft	Top	Bottom
Surface String	9 5/8"	36#	Surface	791'
Prot. String	7"	29#	Surface	7,291'
Production String				
Liner	4 1/2"	13.5#	6,637"	14,032'

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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

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 k-10-9h.db
Dataset Pathname: pass6.6
Dataset Creation: Tue Jul 14 07:37:44 2015 by Calc 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: 559.857 ft

Master Calibration, performed Tue Jul 14 07:37:12 2015:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	-0.003	0.458	1.000	65.000	138.851	1.450
CAL	0.003	0.469				
5'	-0.007	0.511	1.000	65.000	123.627	1.836
SUM						
S1	-0.001	0.474	0.250	100.000	209.995	0.382
S2	-0.004	0.542	0.250	100.000	182.705	0.936
S3	-0.004	0.561	0.250	100.000	176.696	0.897
S4	-0.004	0.593	0.250	100.000	166.967	0.937
S5	-0.002	0.562	0.250	100.000	176.848	0.658
S6	-0.001	0.567	0.250	100.000	175.673	0.355
S7	-0.005	0.481	0.250	100.000	205.125	1.248
S8	-0.005	0.424	0.250	100.000	232.205	1.470

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	0.003	0.469	1.000	0.000

Air Zero Calibration, performed Mon Jul 13 08:53:04 2015:



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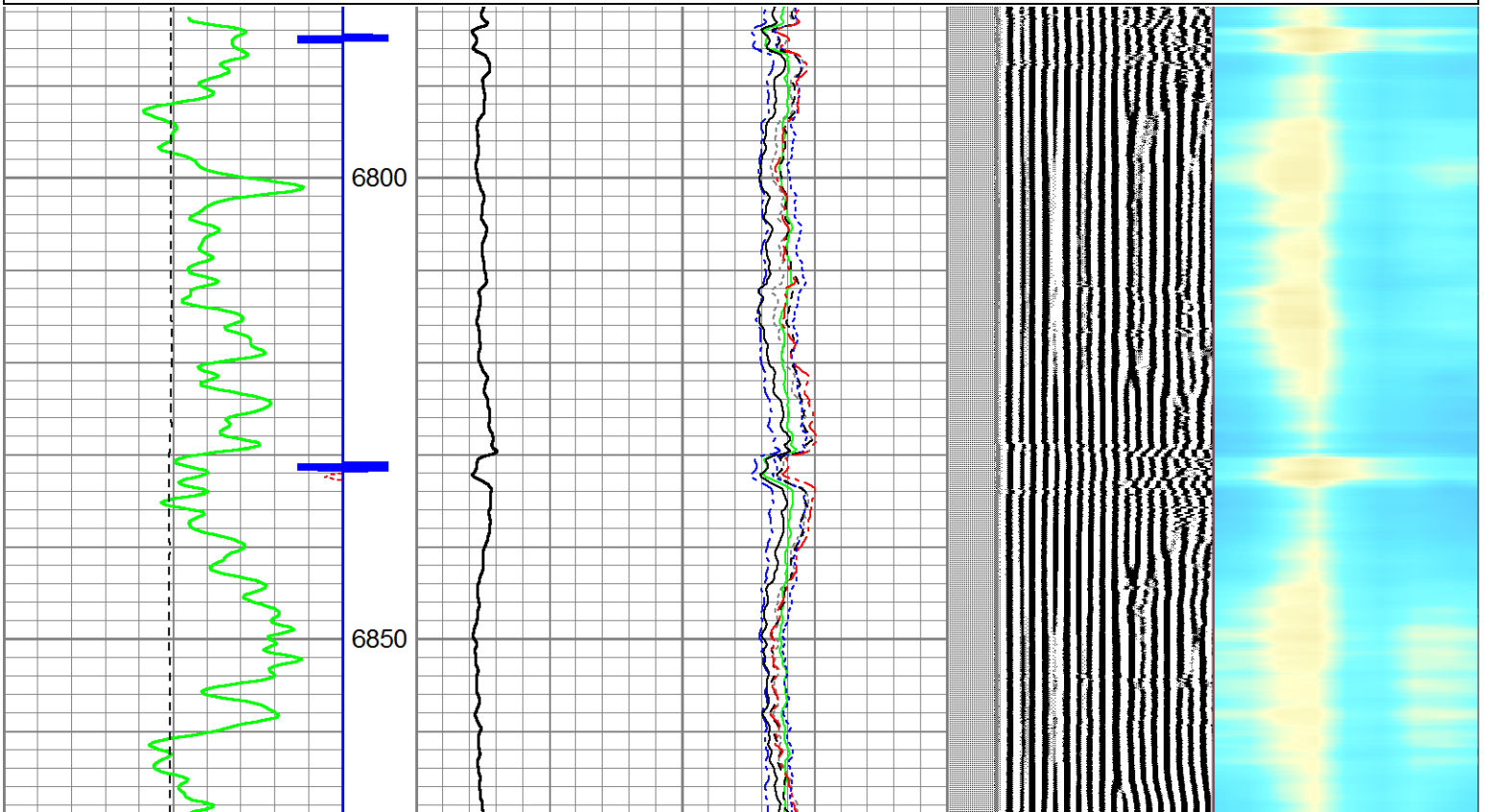
	Raw (v)	Calibrated (v)	Results
	Zero	Zero	Offset
3'	0.000	0.000	0.000
5'	0.000	0.000	0.000
SUM			
S1	0.000	0.000	0.000
S2	0.000	0.000	0.000
S3	0.000	0.000	0.000
S4	0.000	0.000	0.000
S5	0.000	0.000	0.000
S6	0.000	0.000	0.000
S7	0.000	0.000	0.000
S8	0.000	0.000	0.000

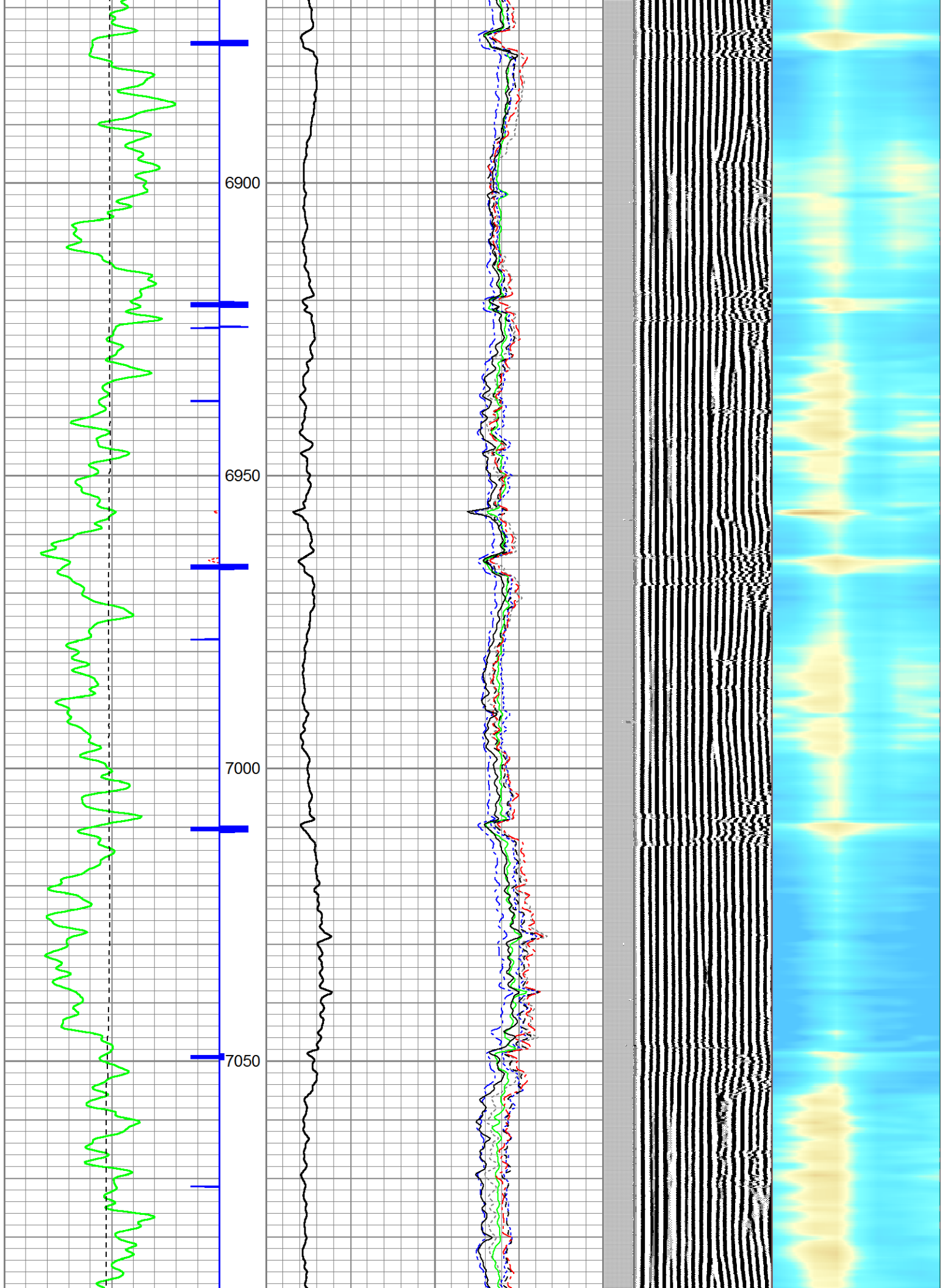


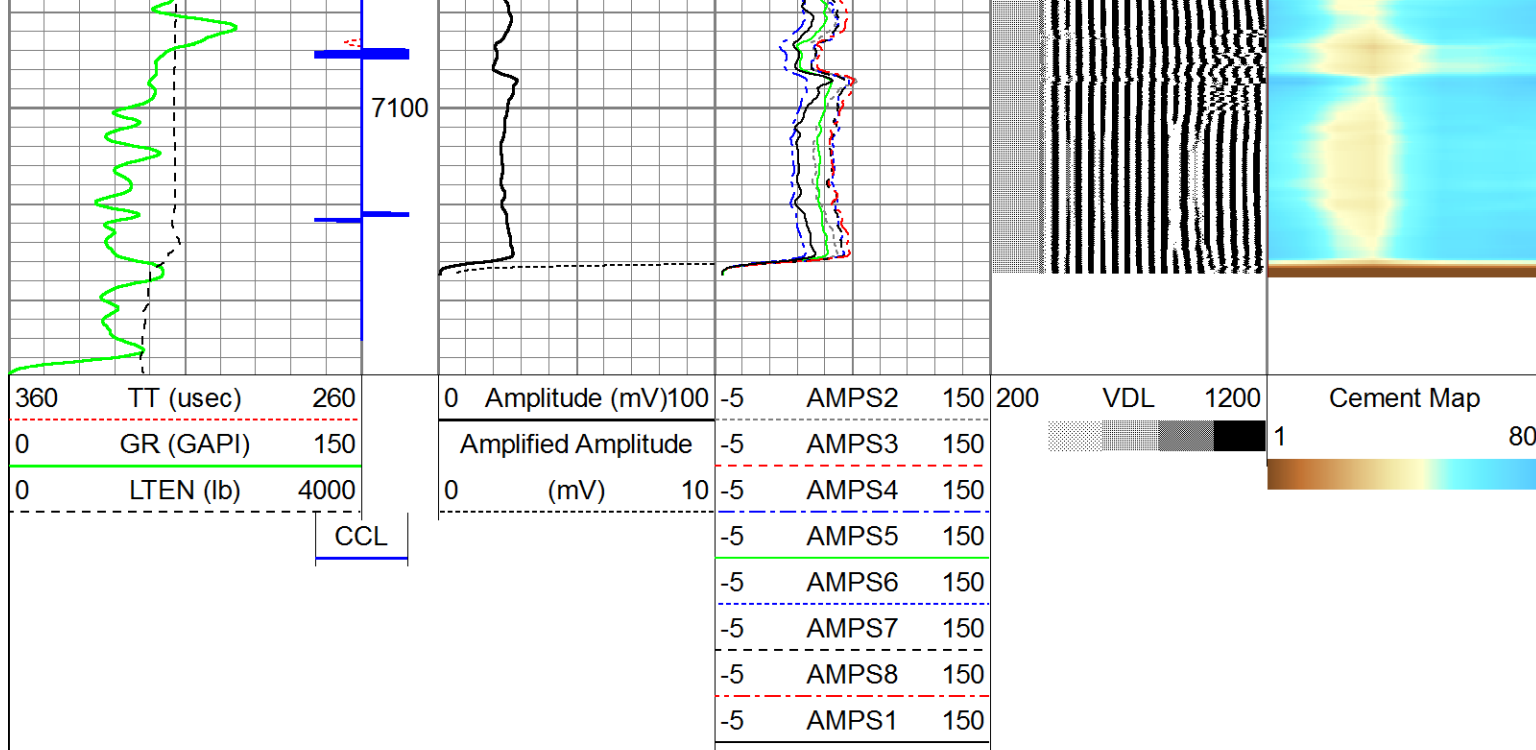
Repeat Pass

Database File: bayswater arellano k-10-9h.db
Dataset Pathname: pass4.2
Presentation Format: anadarko
Dataset Creation: Tue Jul 14 07:40:00 2015 by Calc 7.0 B1
Charted by: Depth in Feet scaled 1:240

360	TT (usec)	260	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						
		CCL				-5	AMPS5	150						
						-5	AMPS6	150						
						-5	AMPS7	150						
						-5	AMPS8	150						
						-5	AMPS1	150						

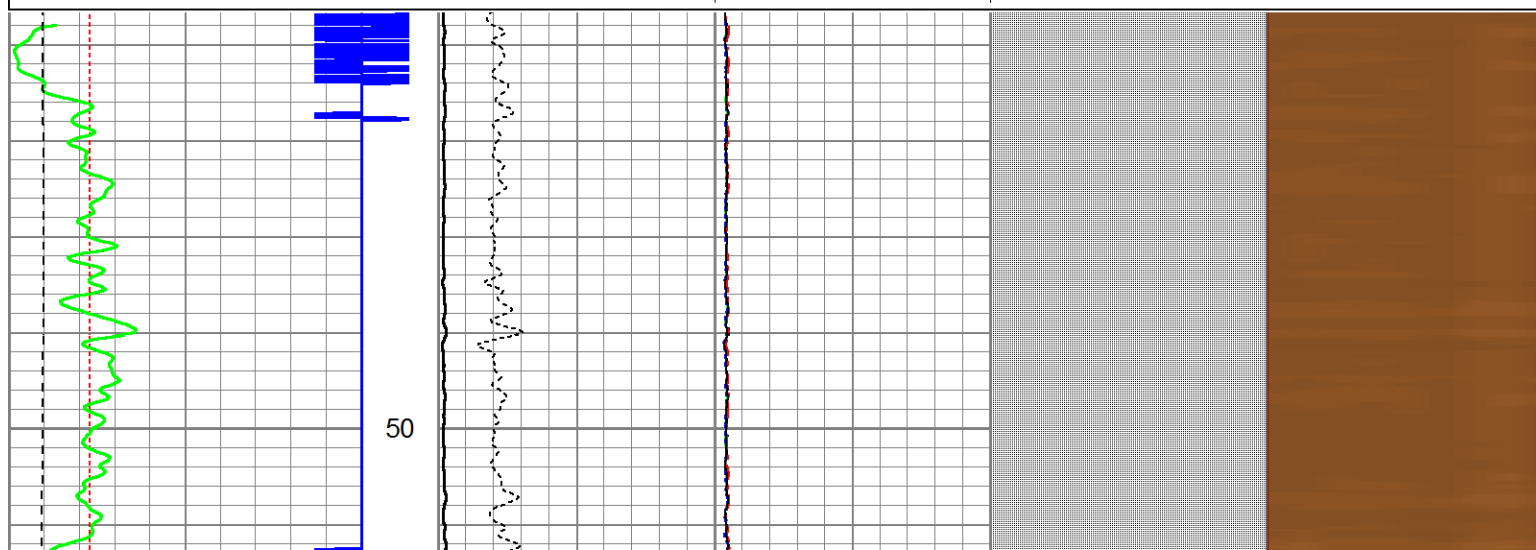
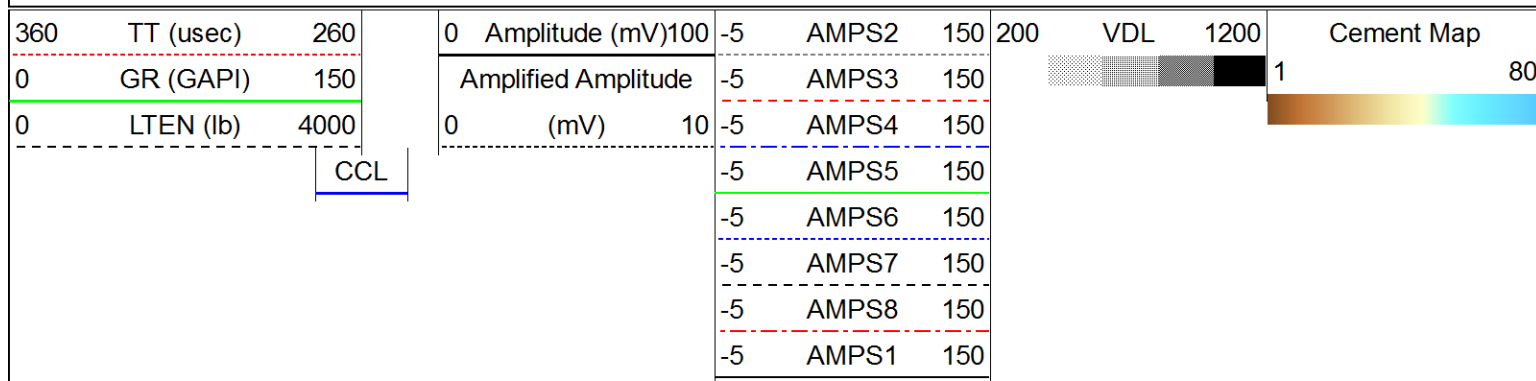


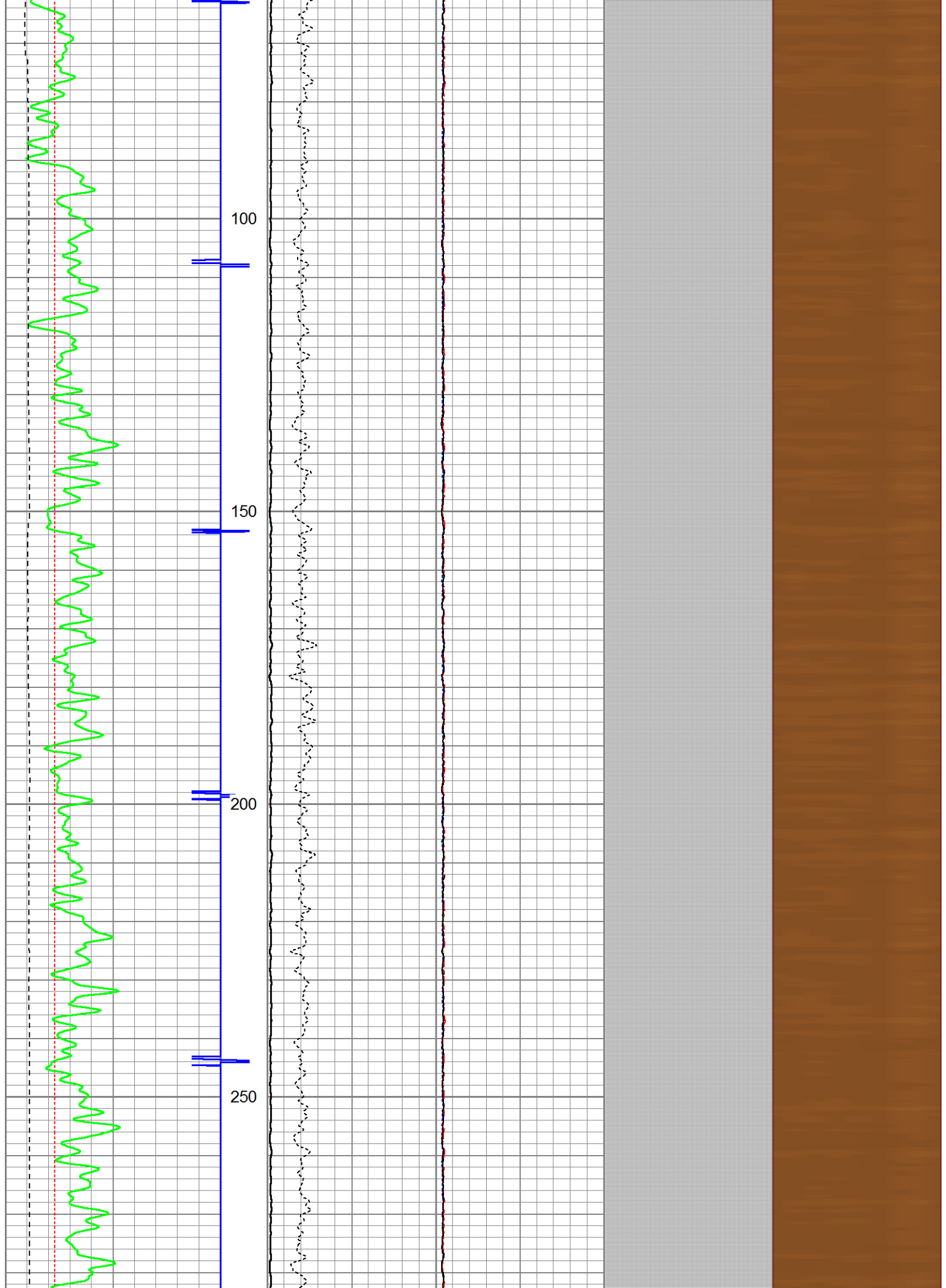


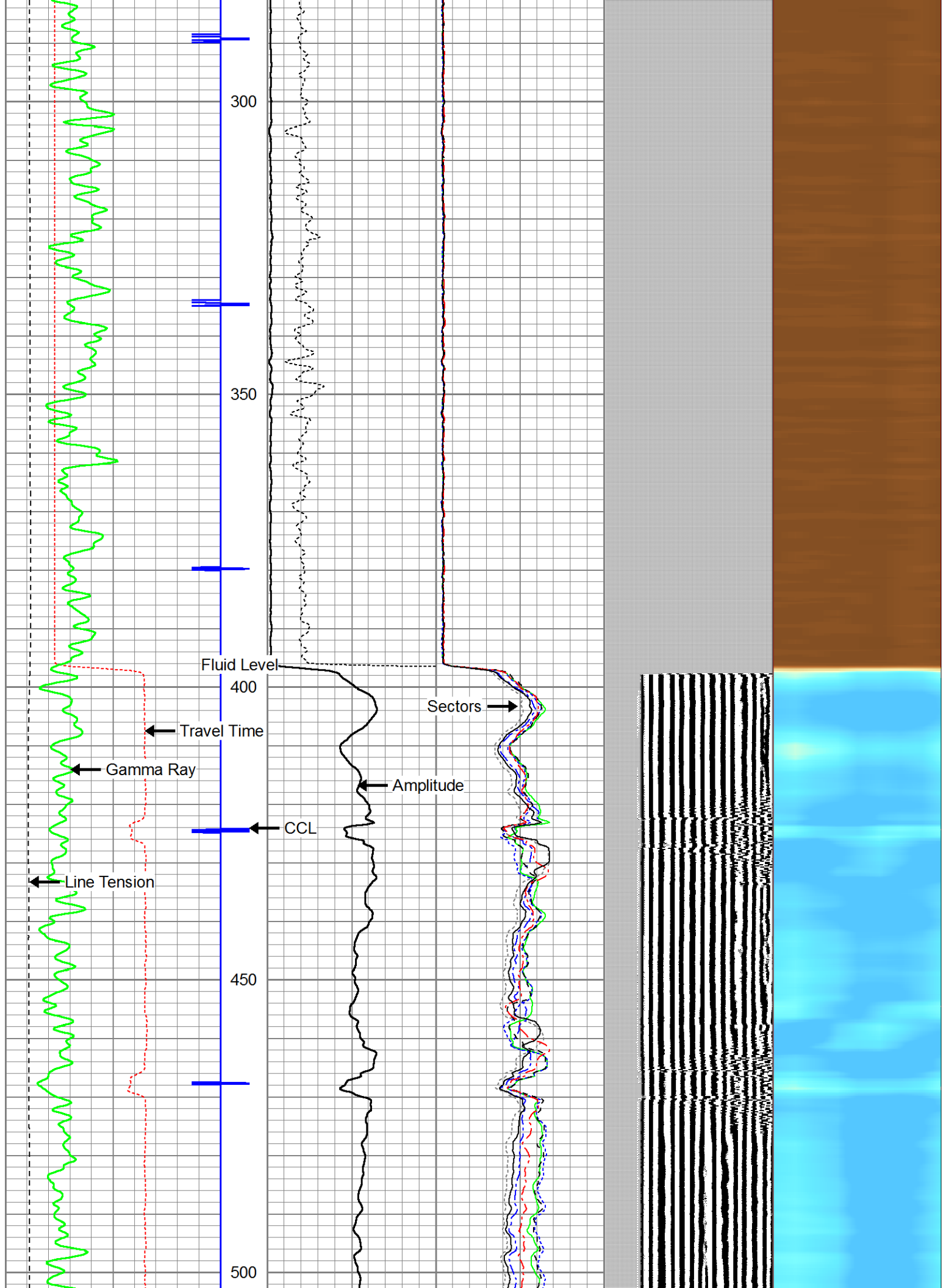


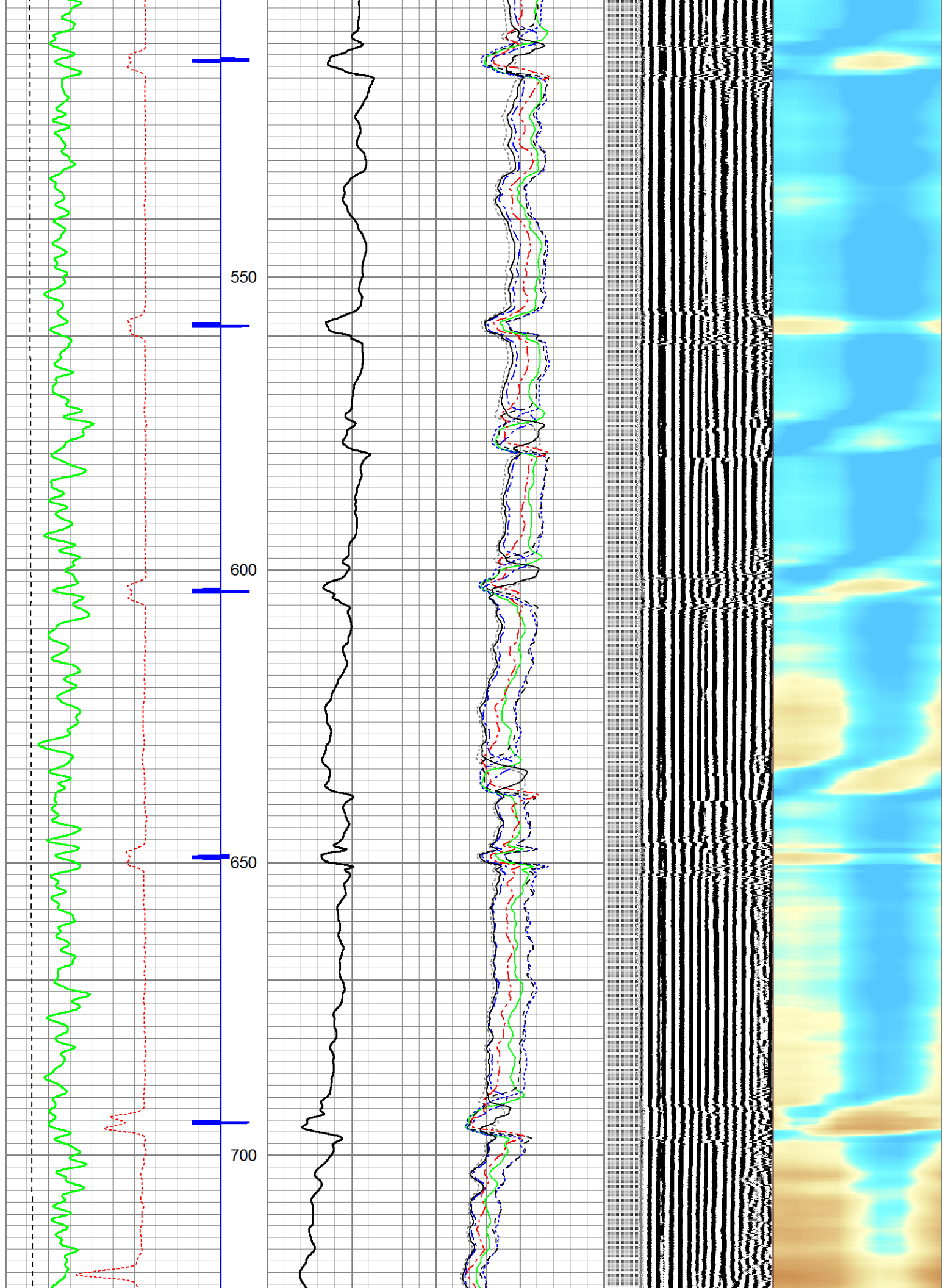
Main Pass

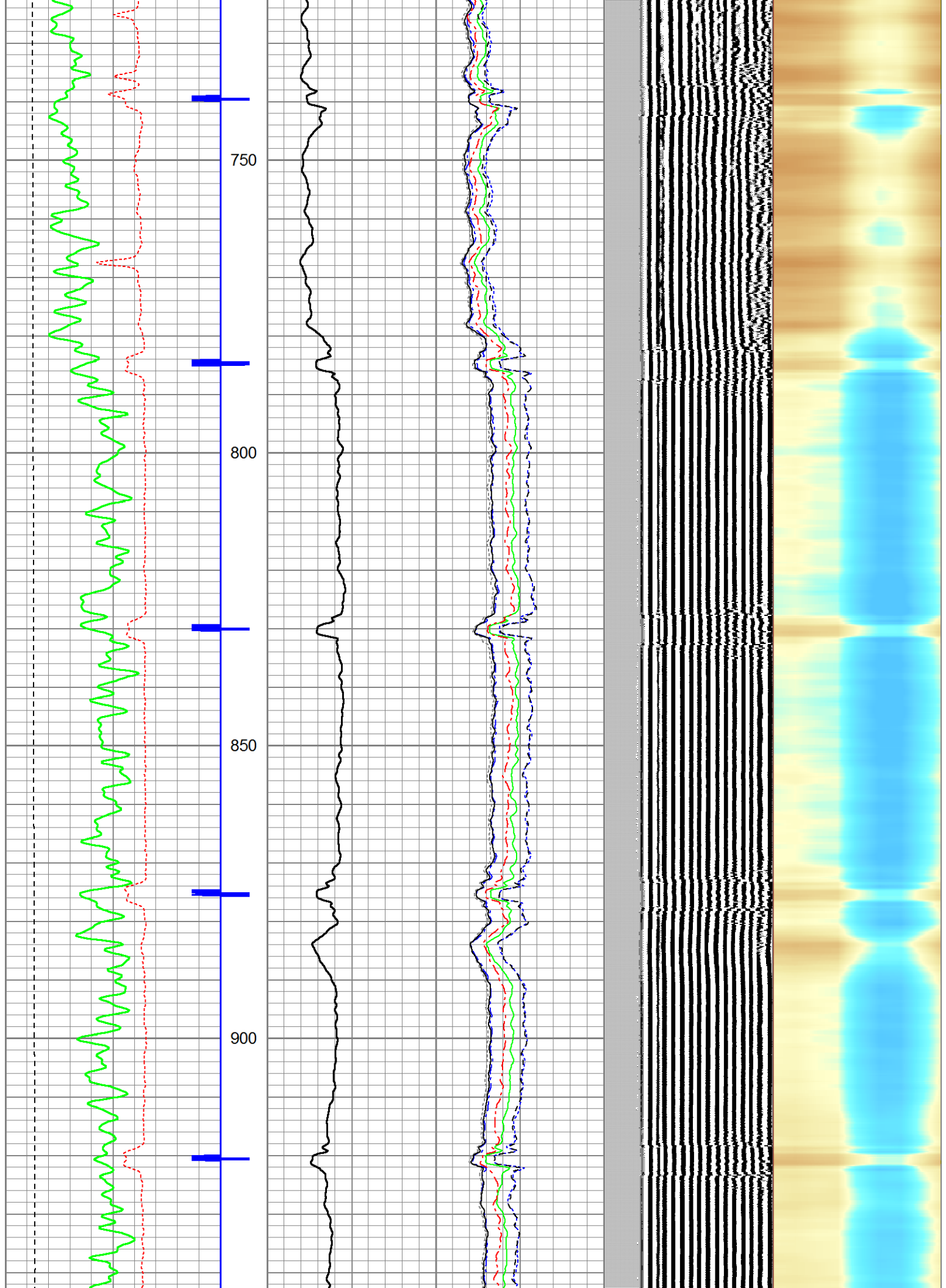
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 Dataset Pathname: pass6.6
 Presentation Format: anadarko
 Dataset Creation: Tue Jul 14 07:37:44 2015 by Calc 7.0 B1
 Charted by: Depth in Feet scaled 1:240

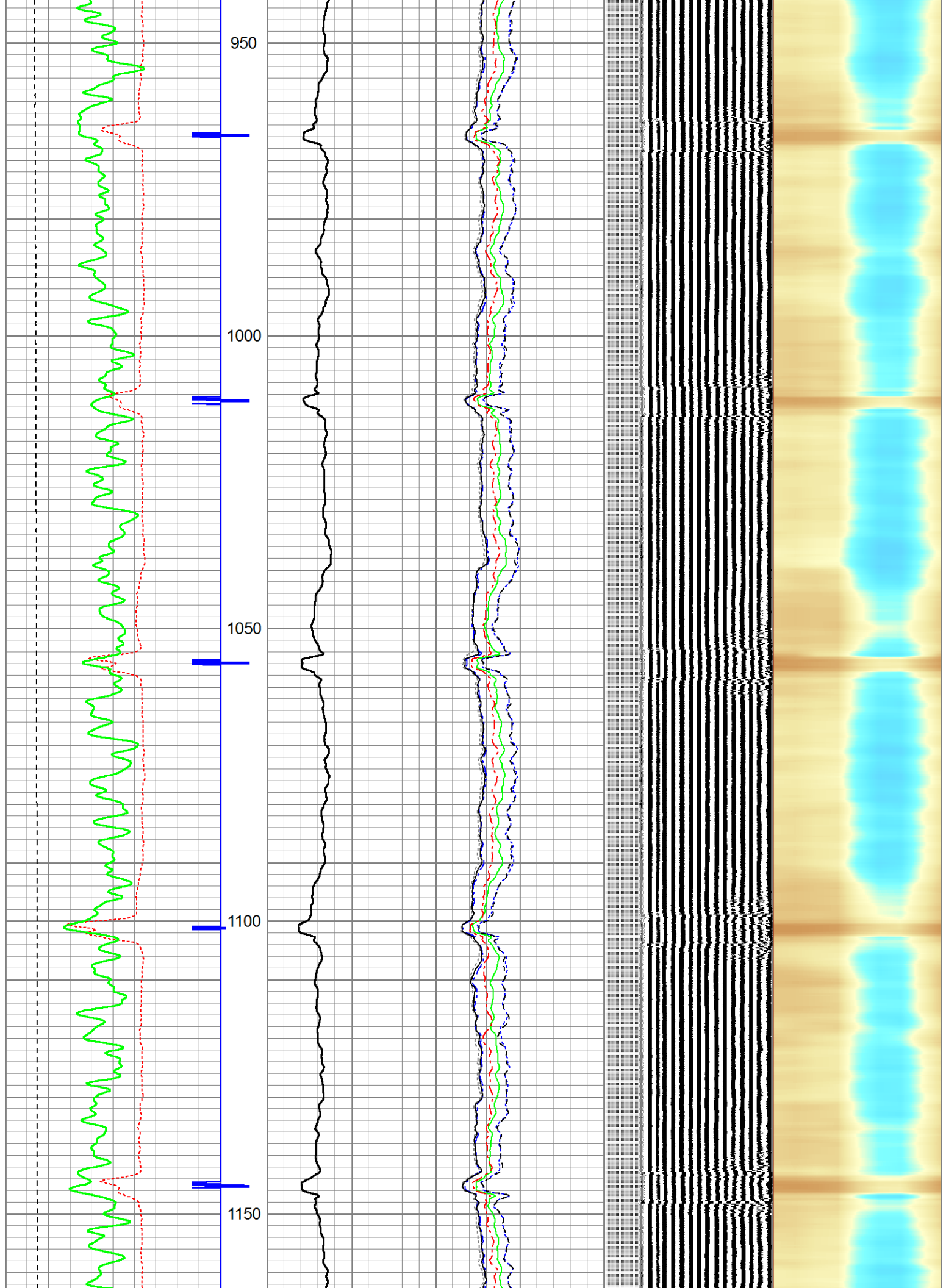


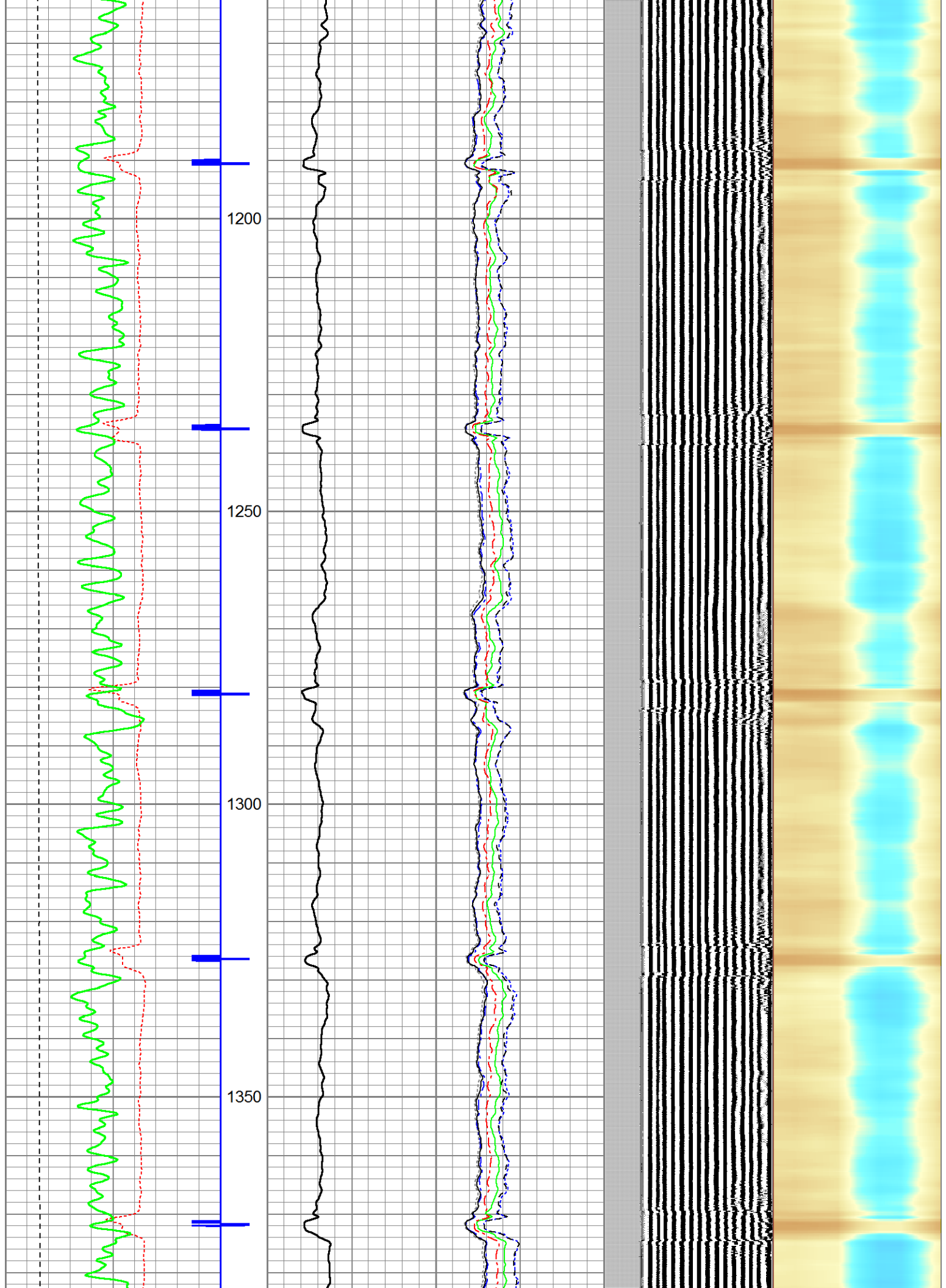


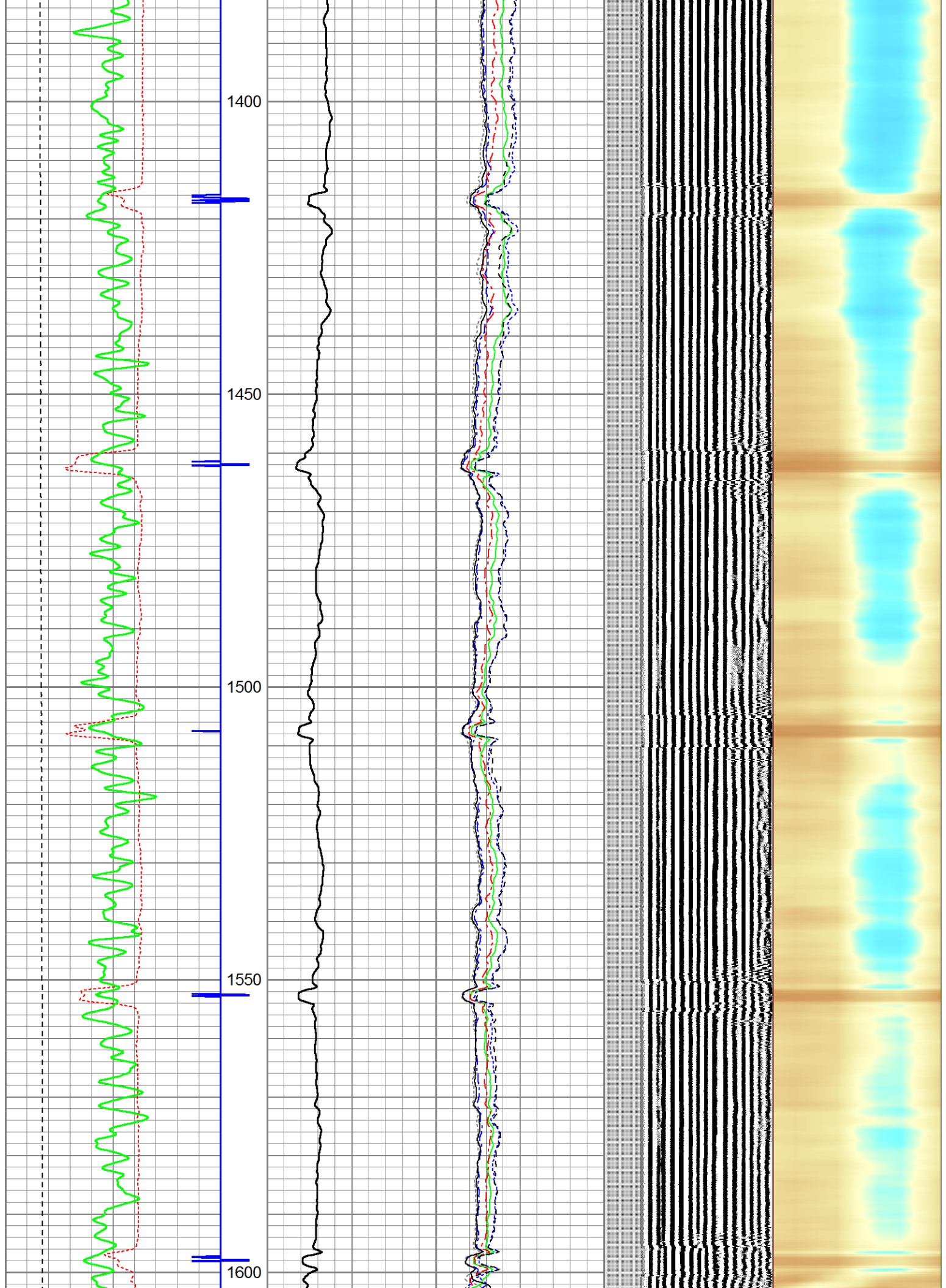


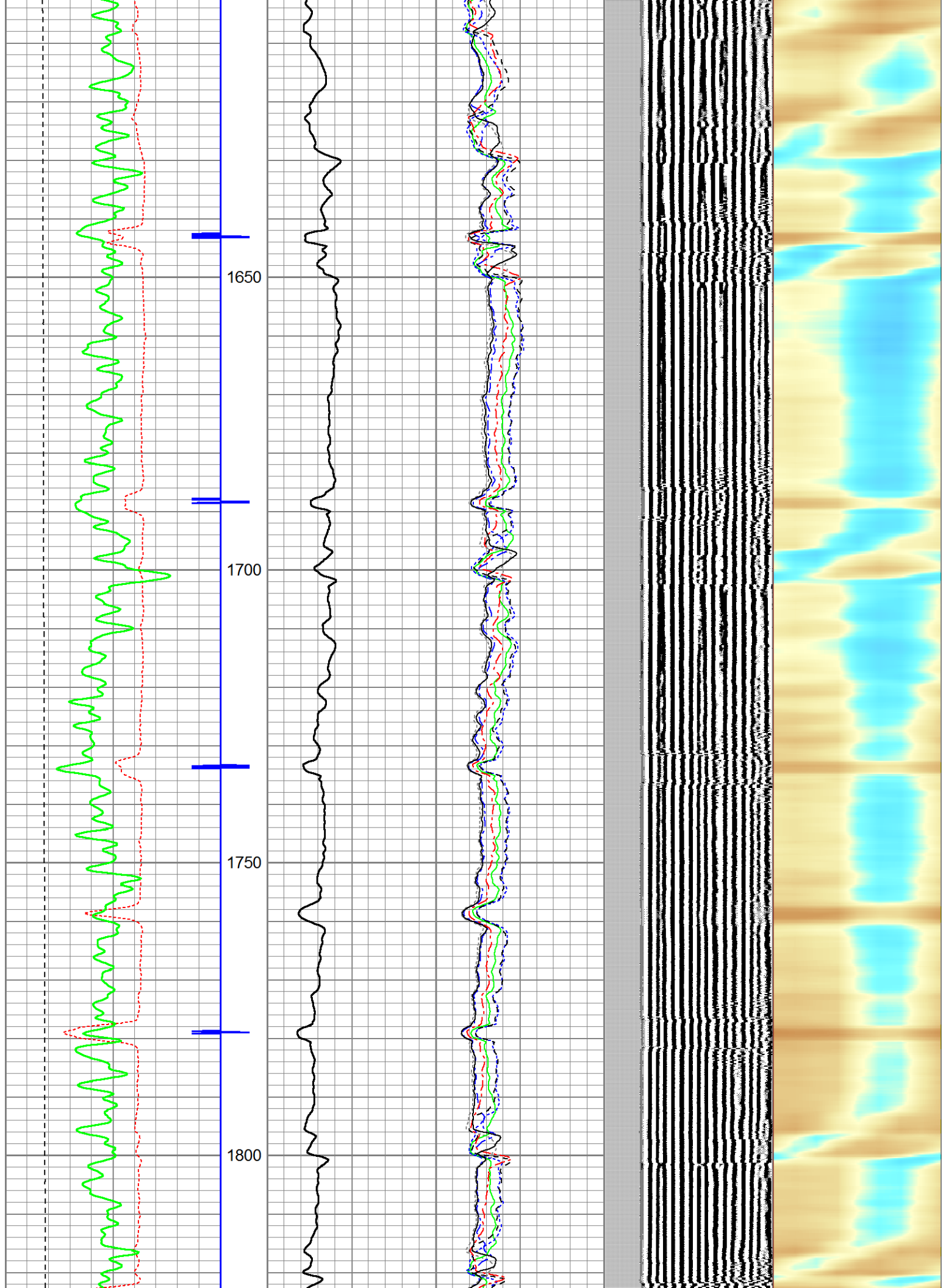


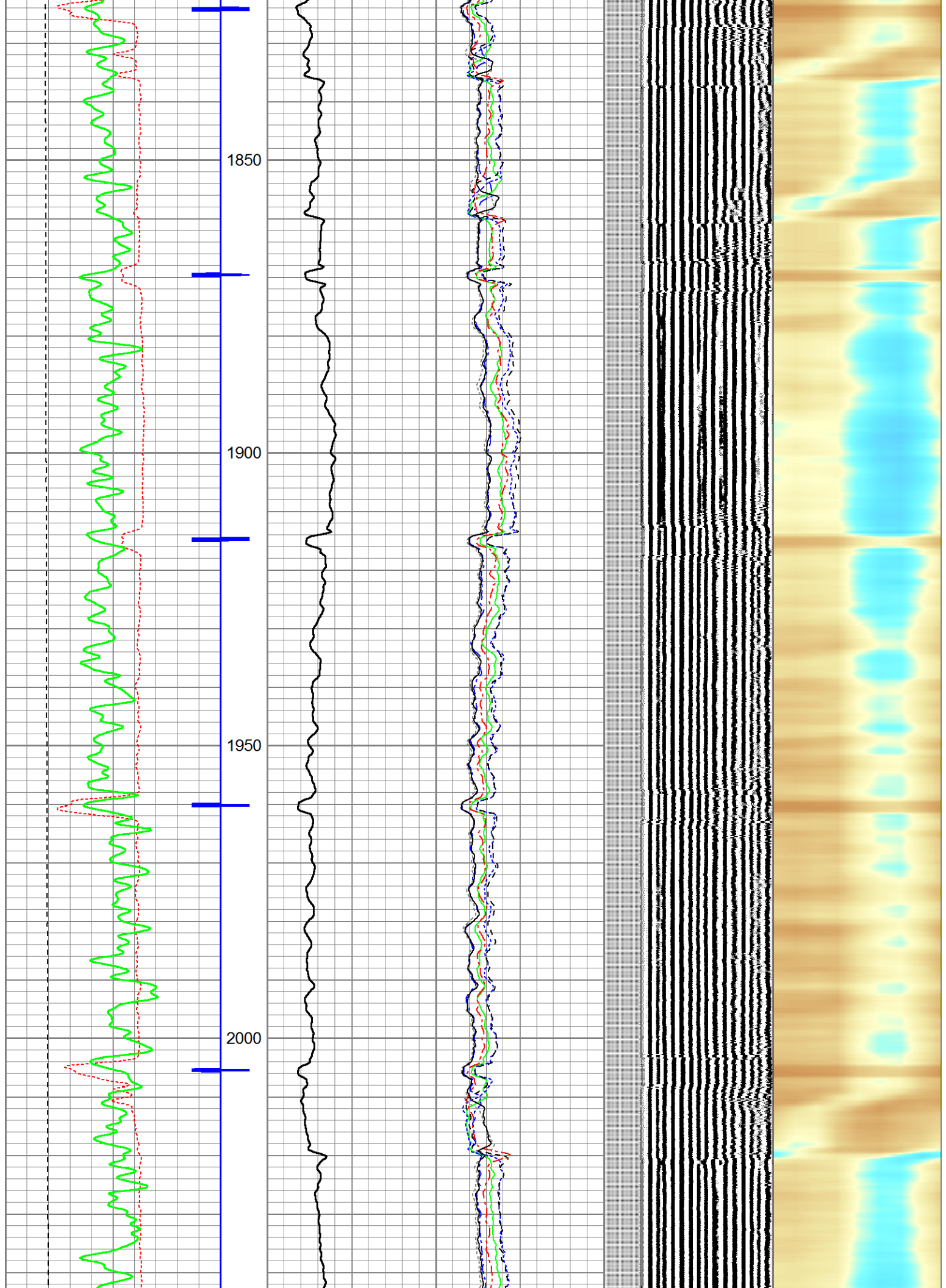


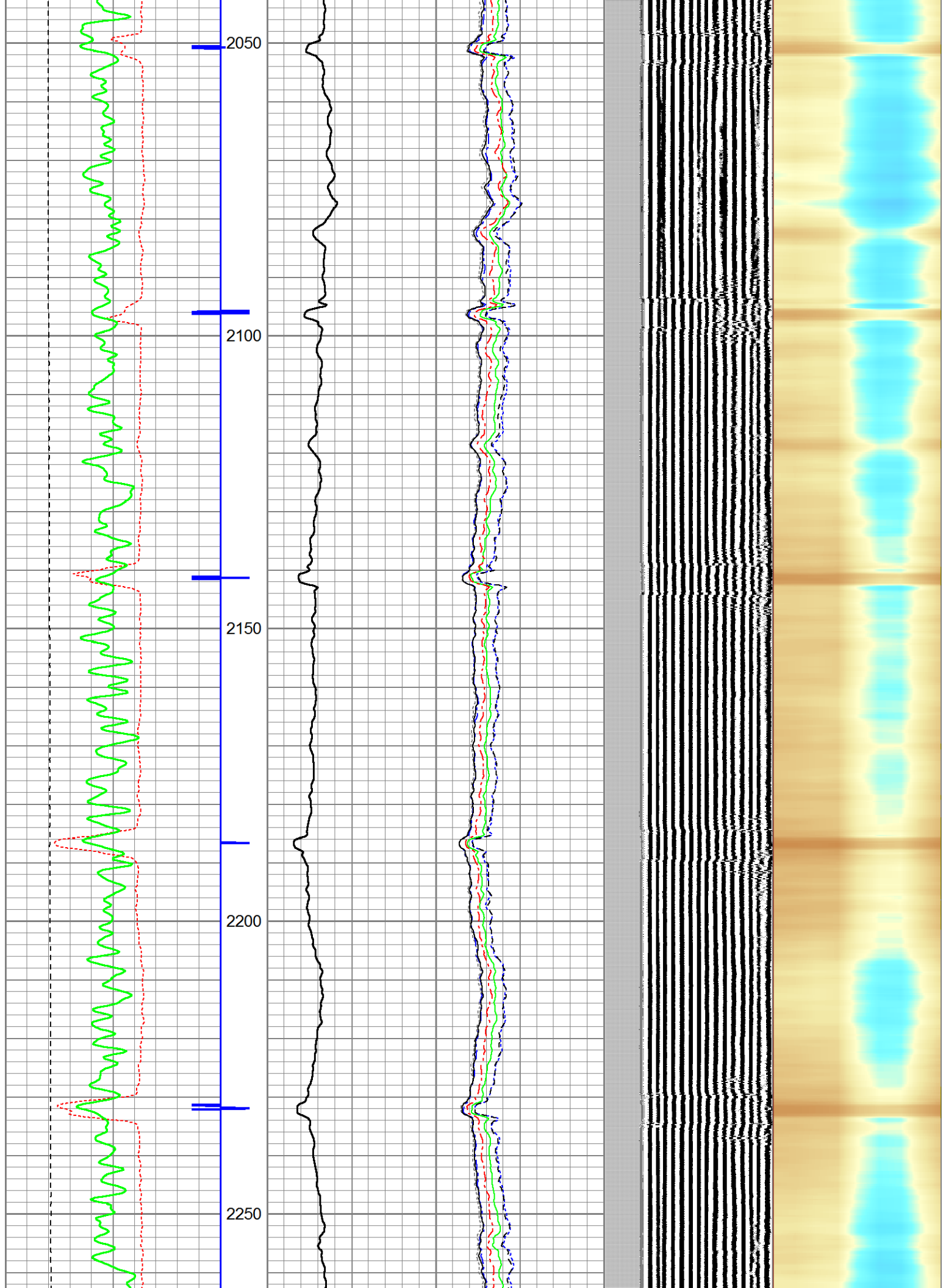


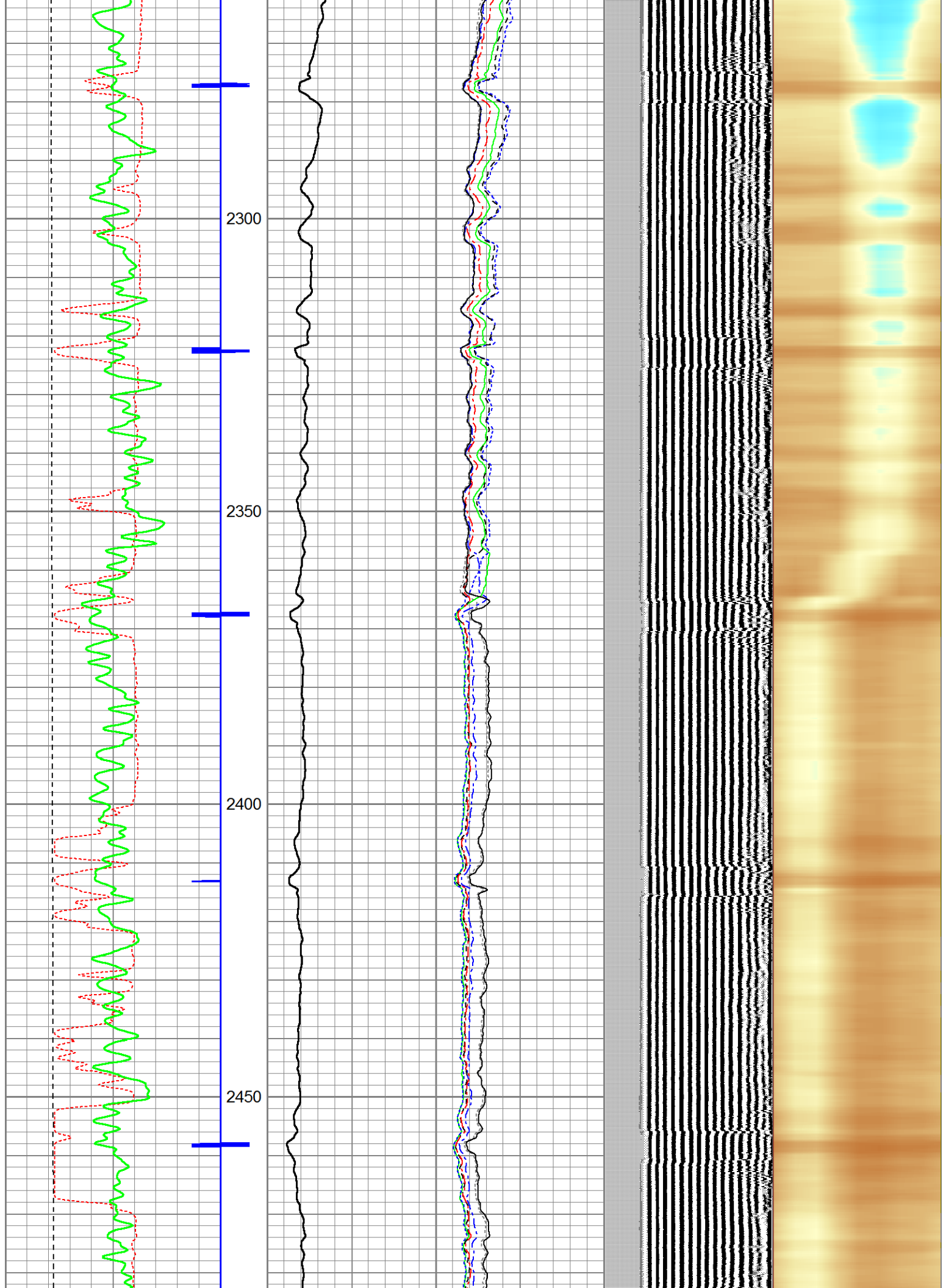


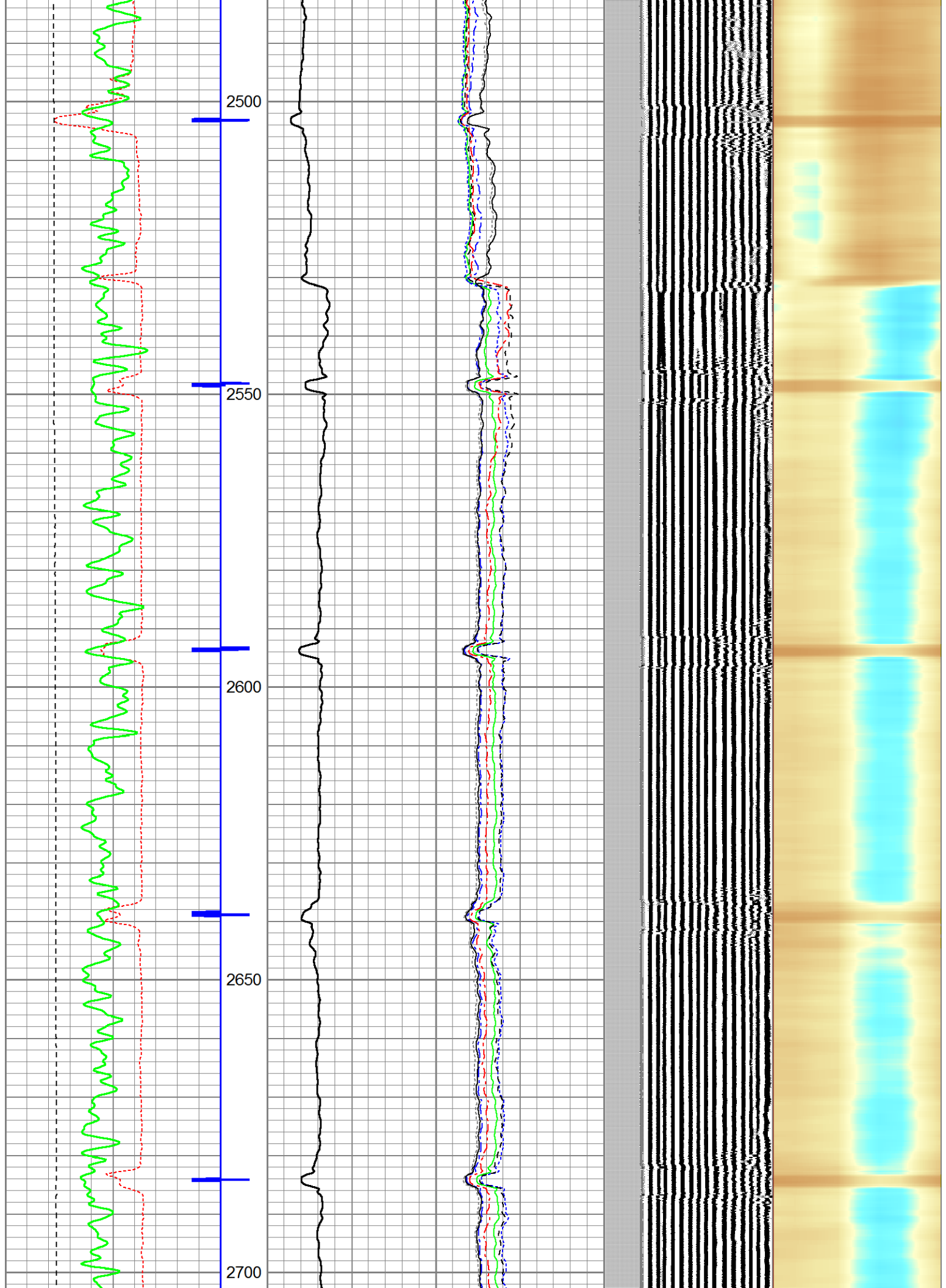


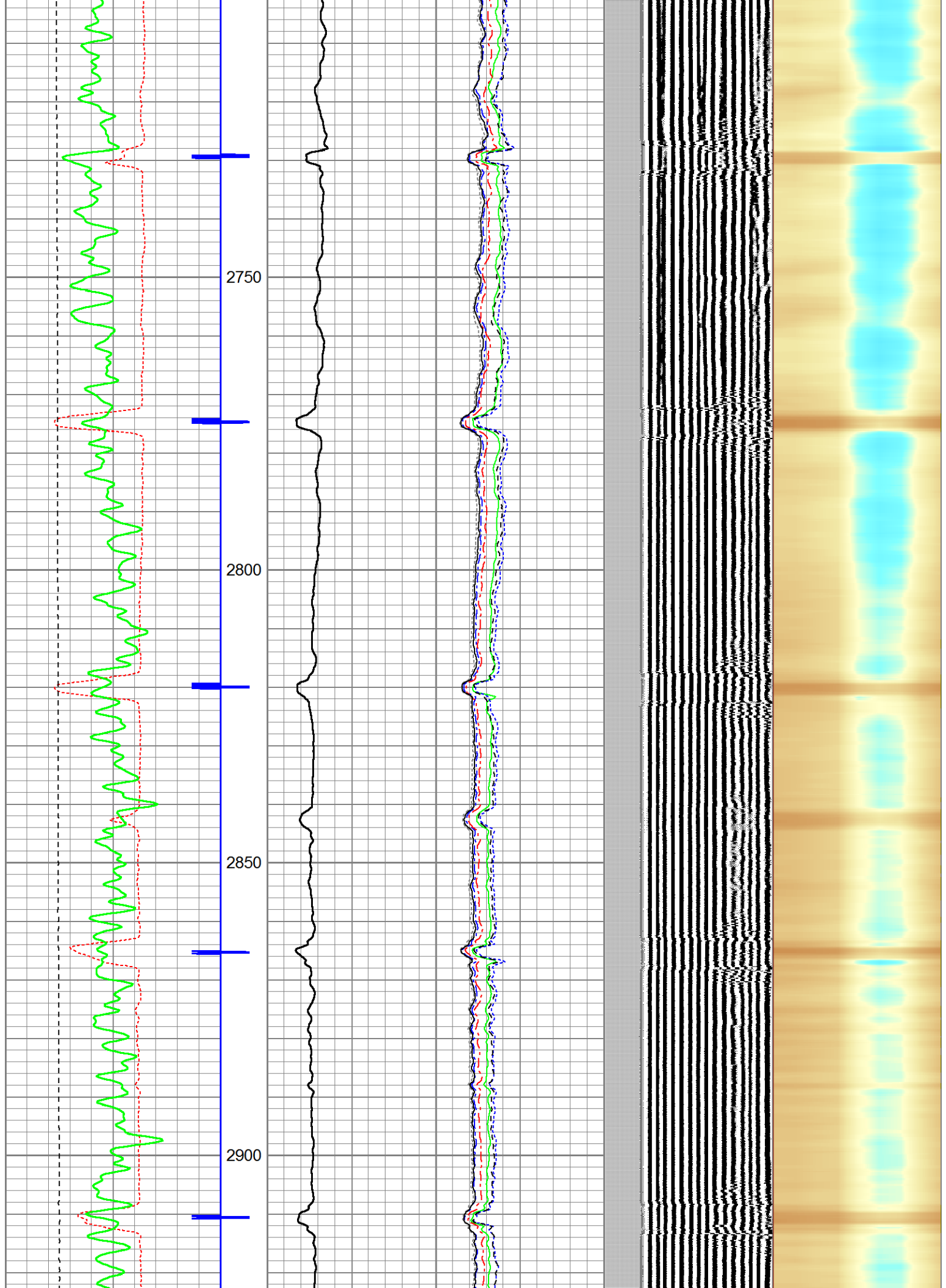


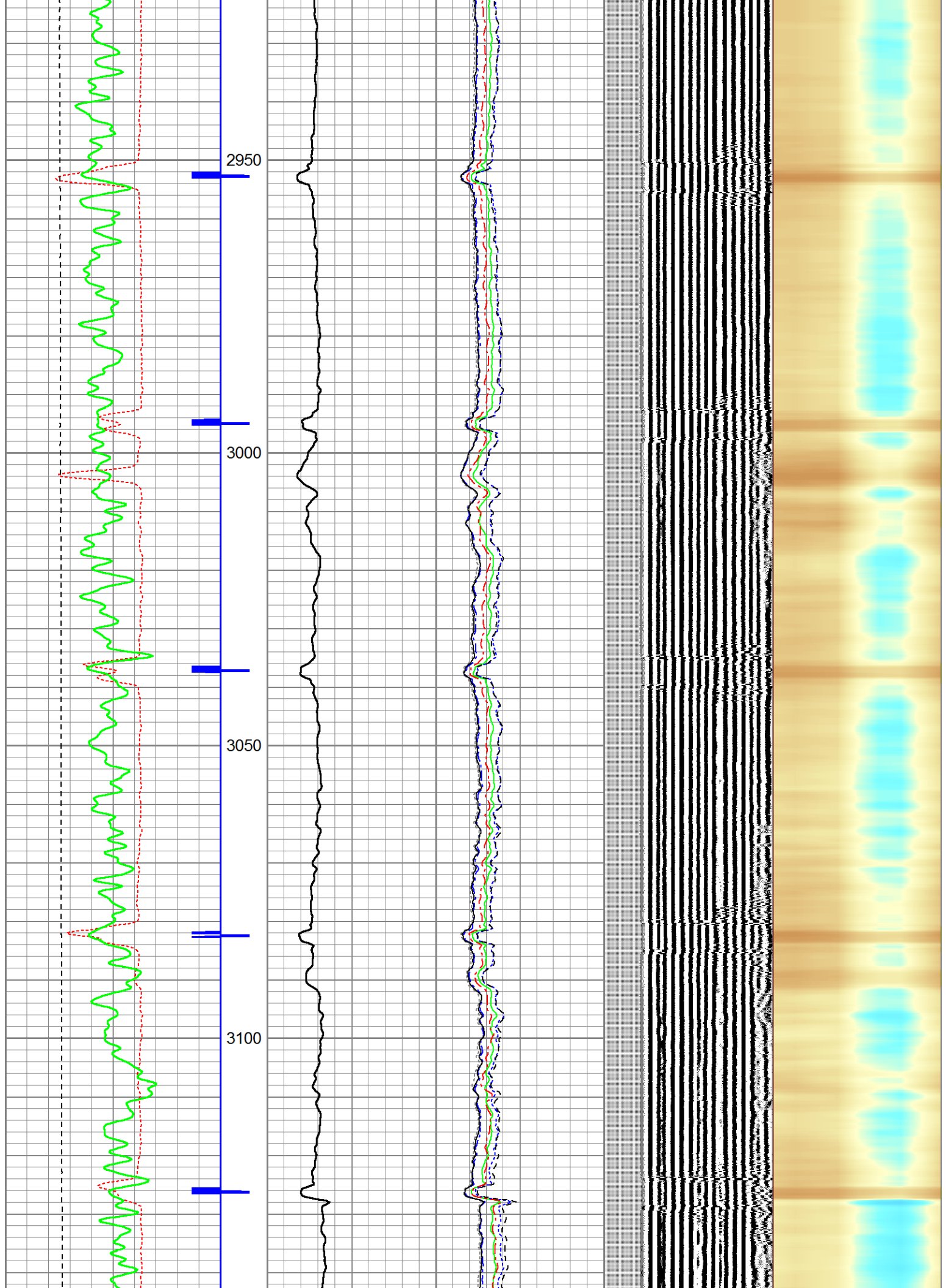


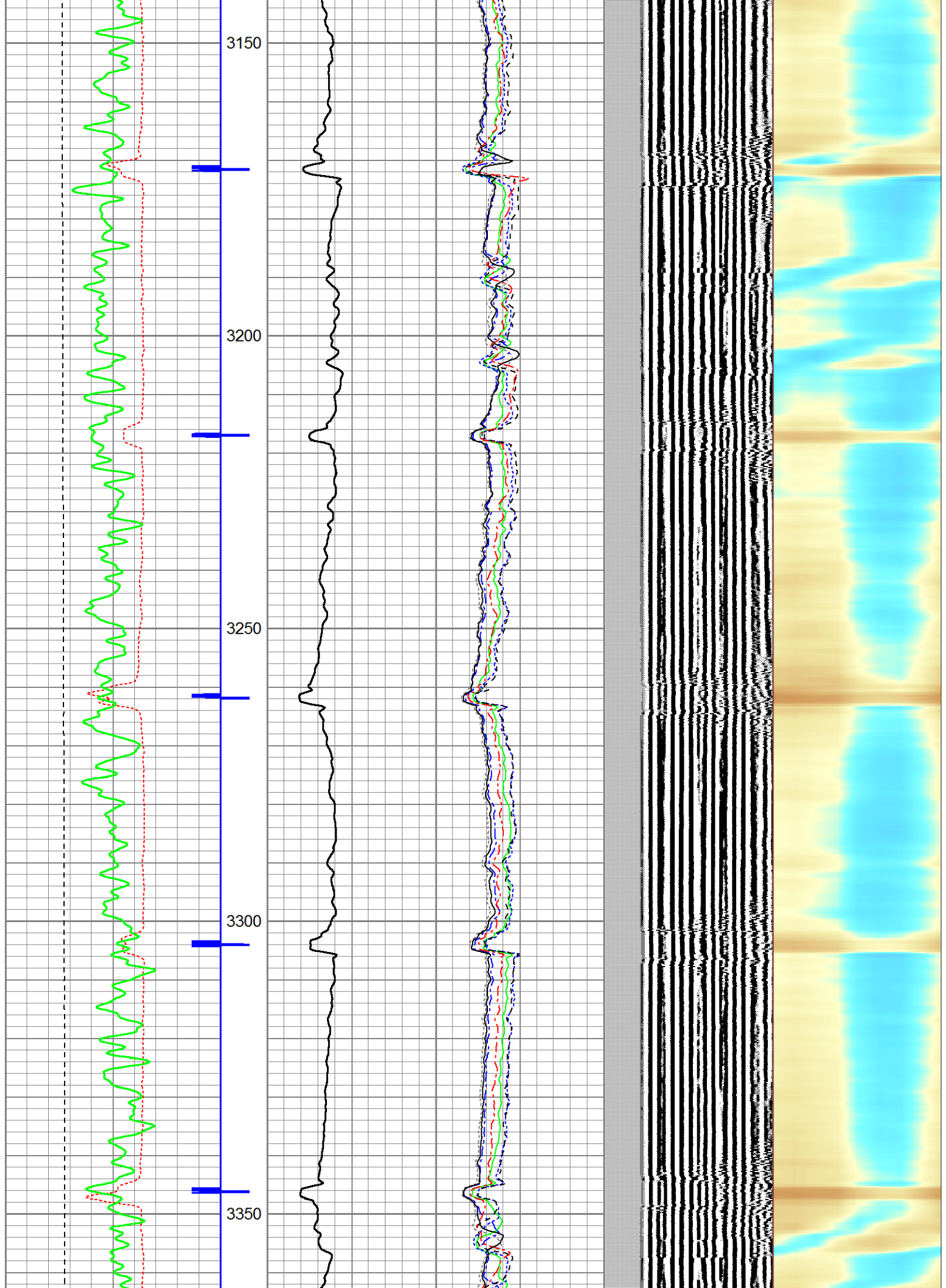


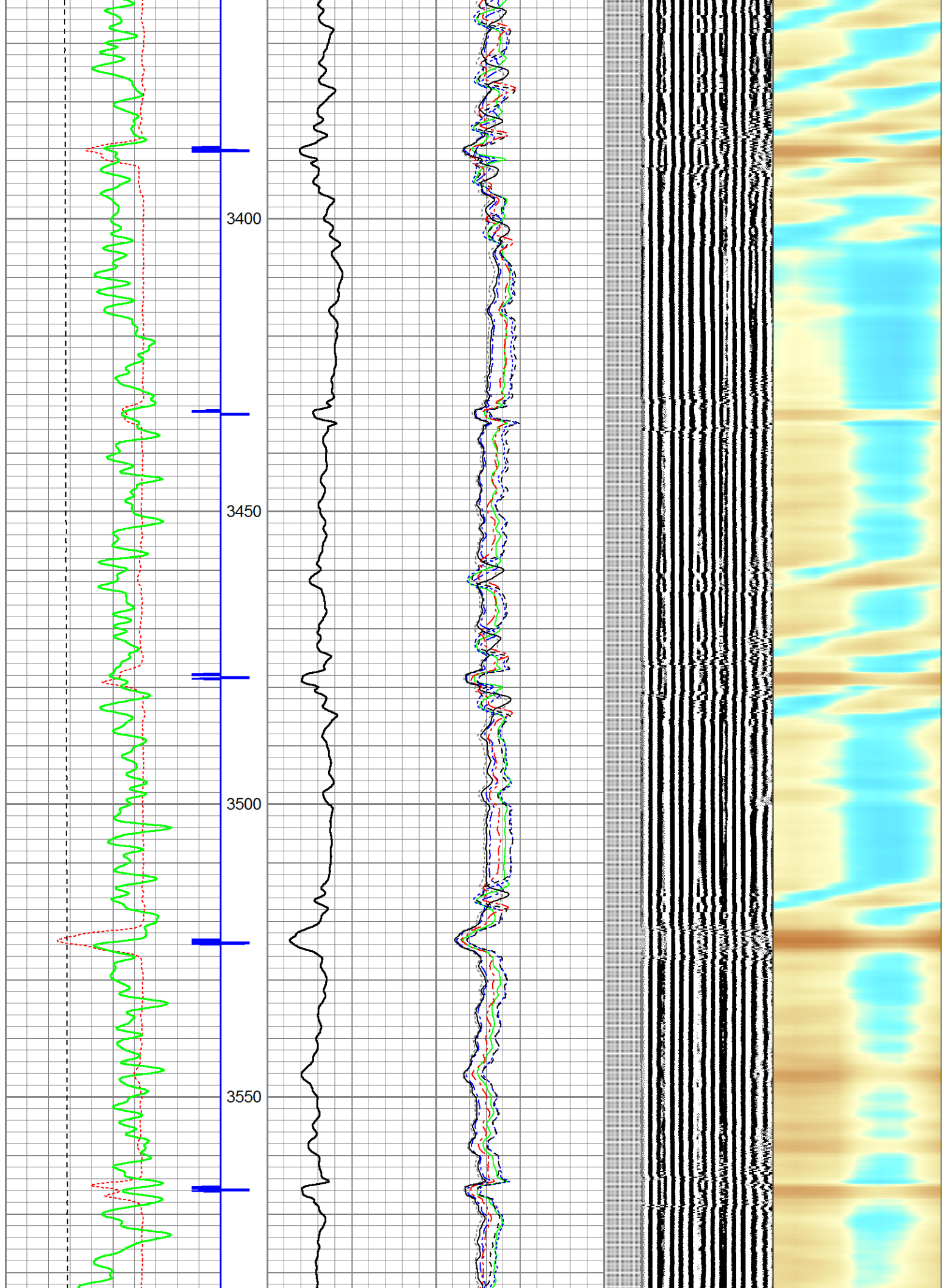


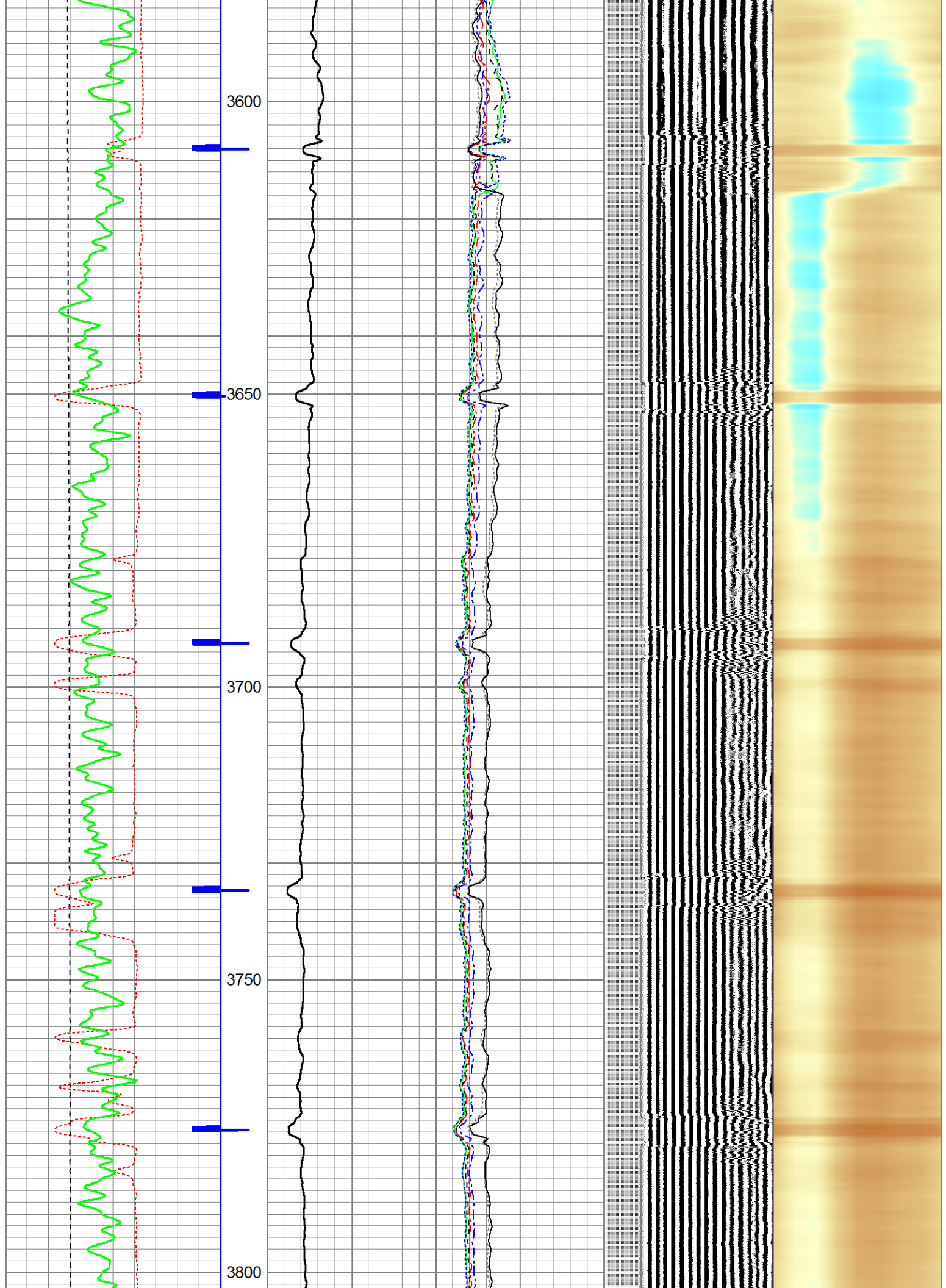


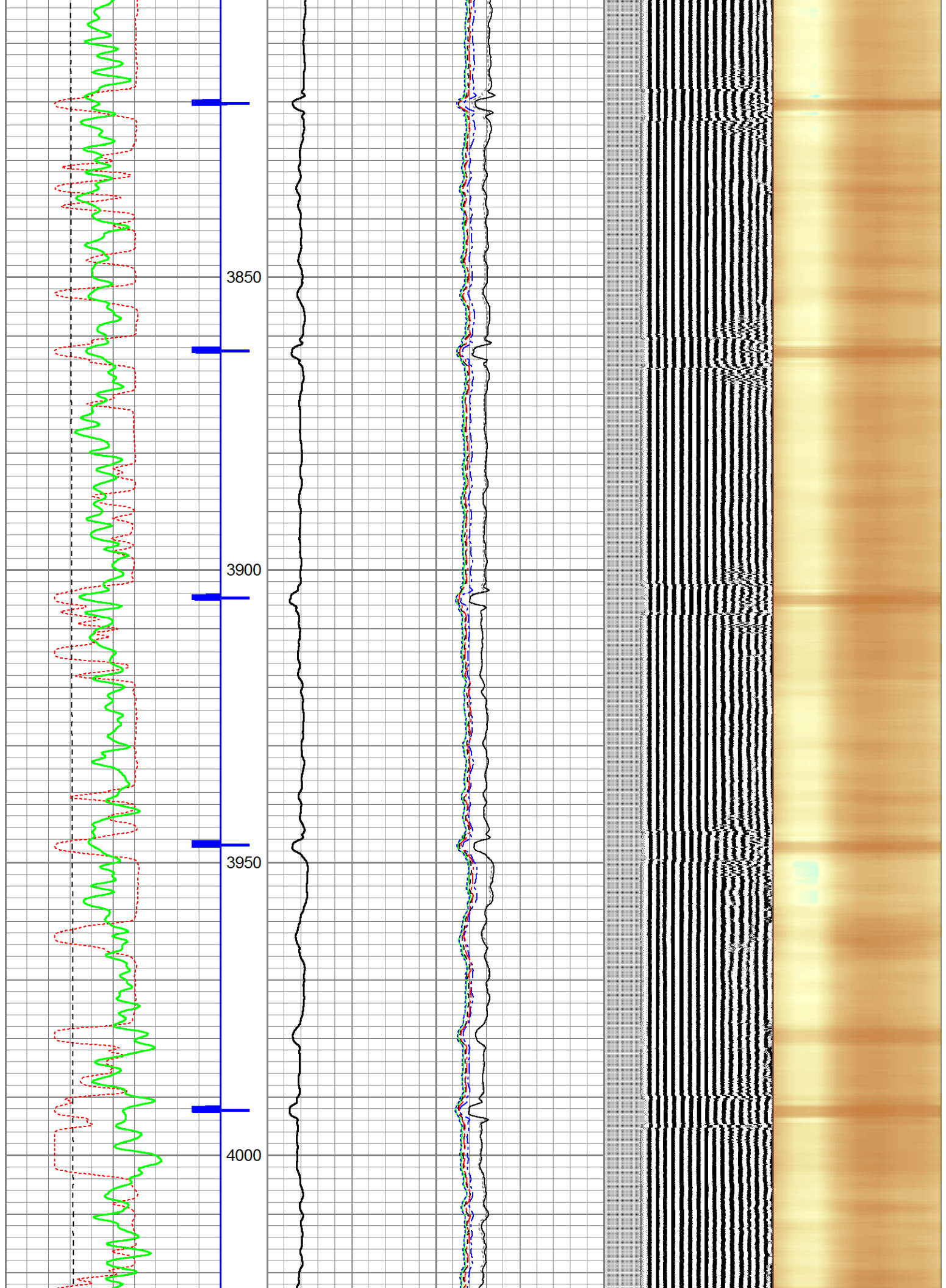


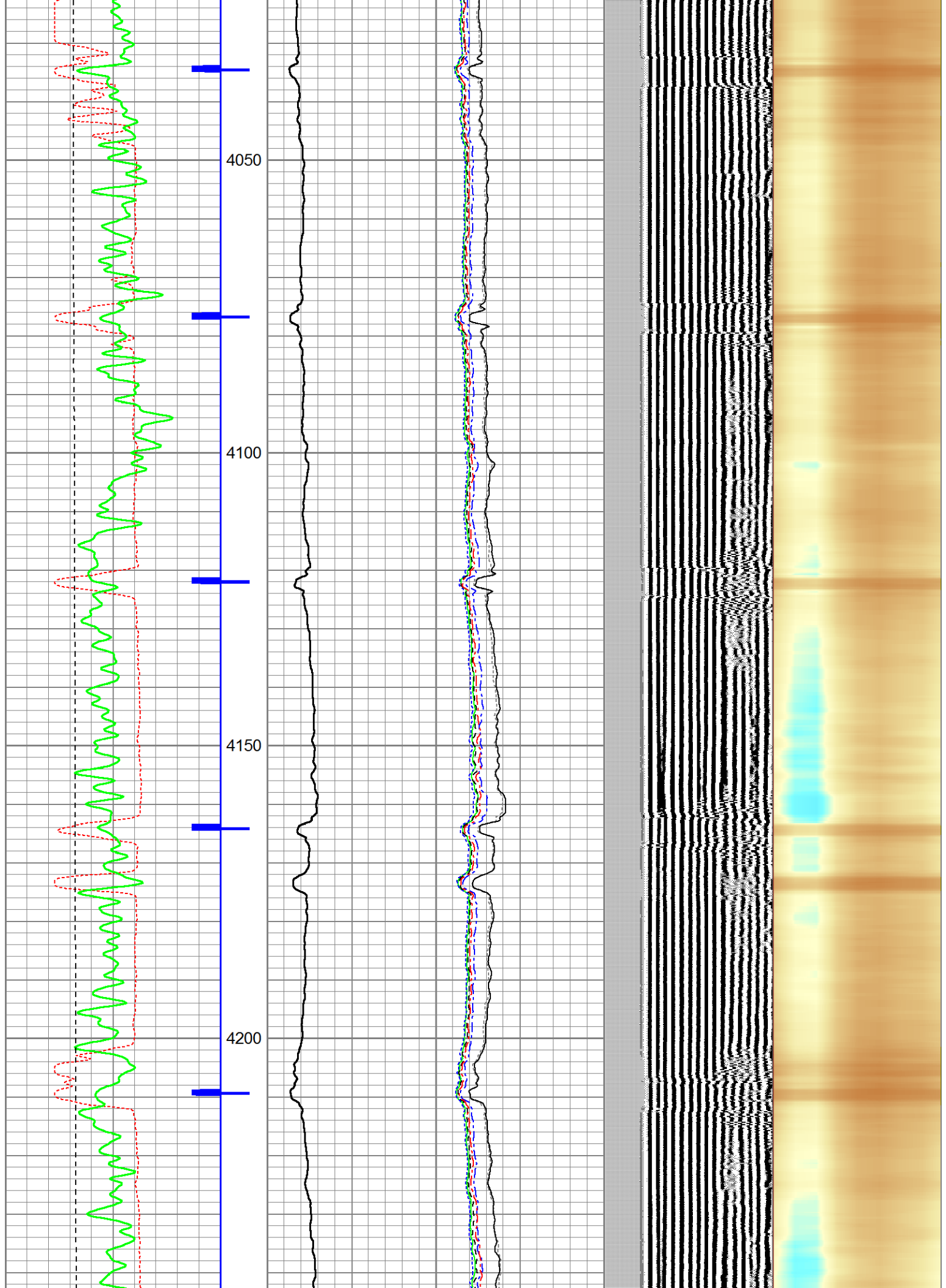


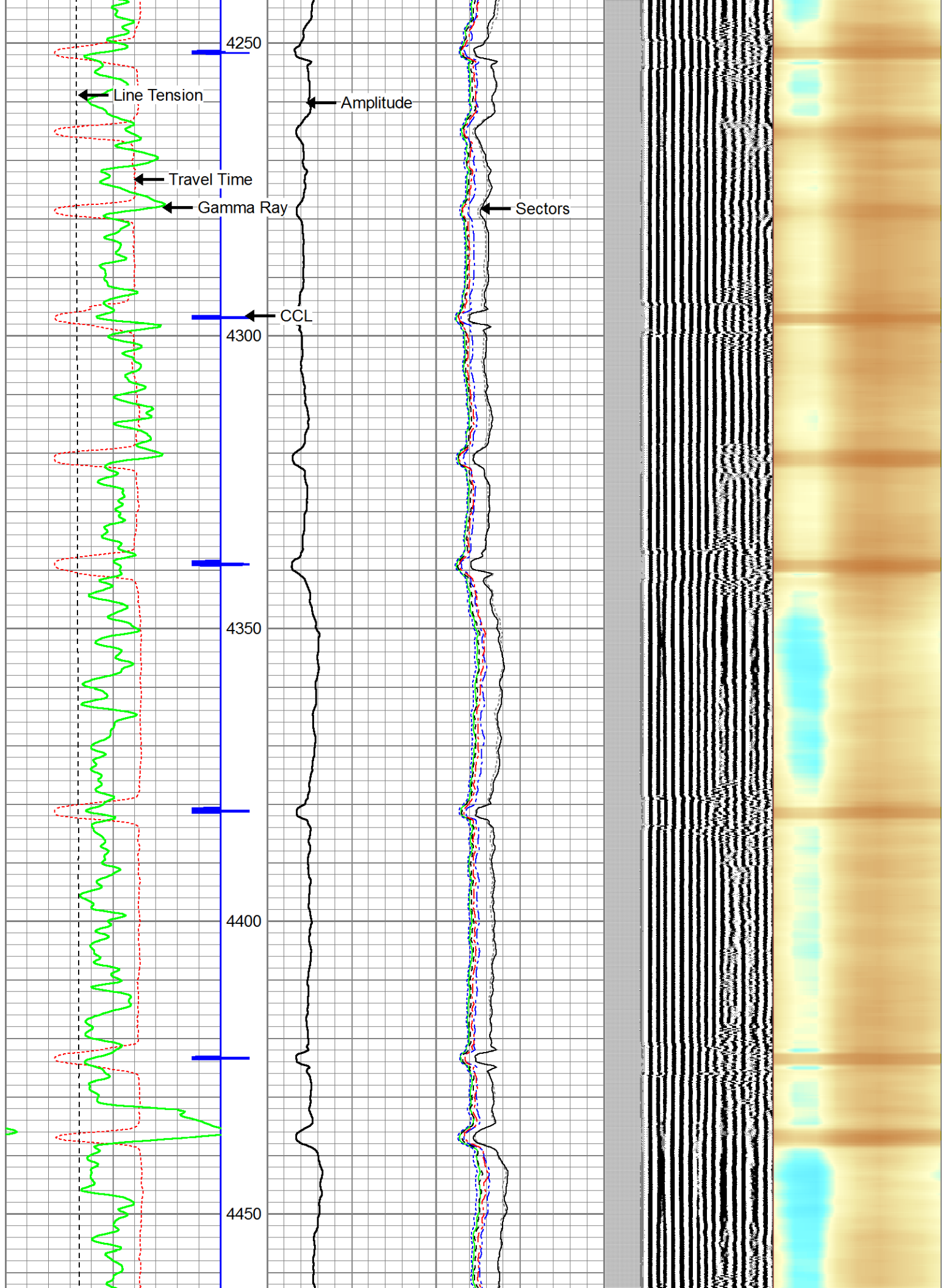


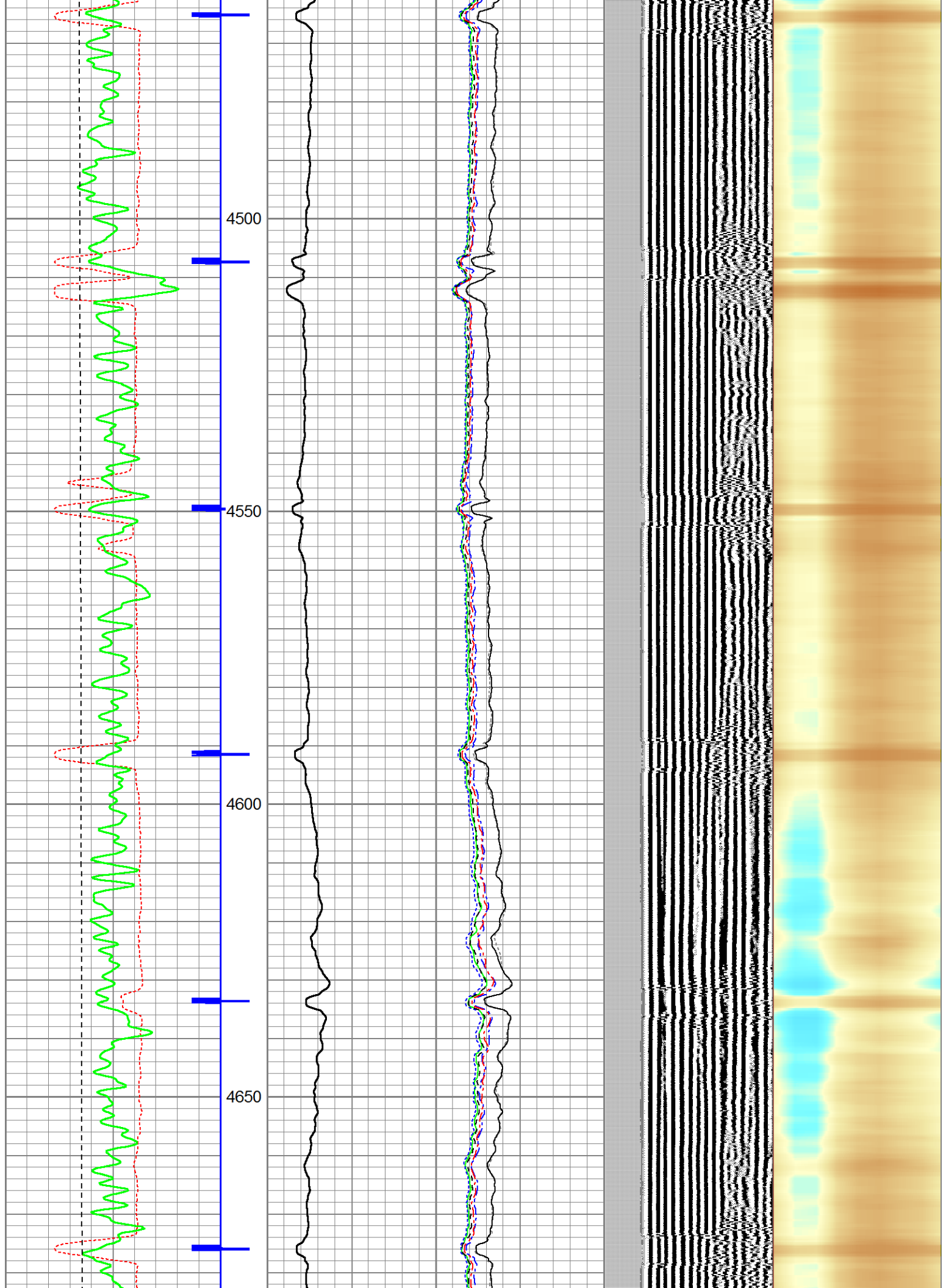


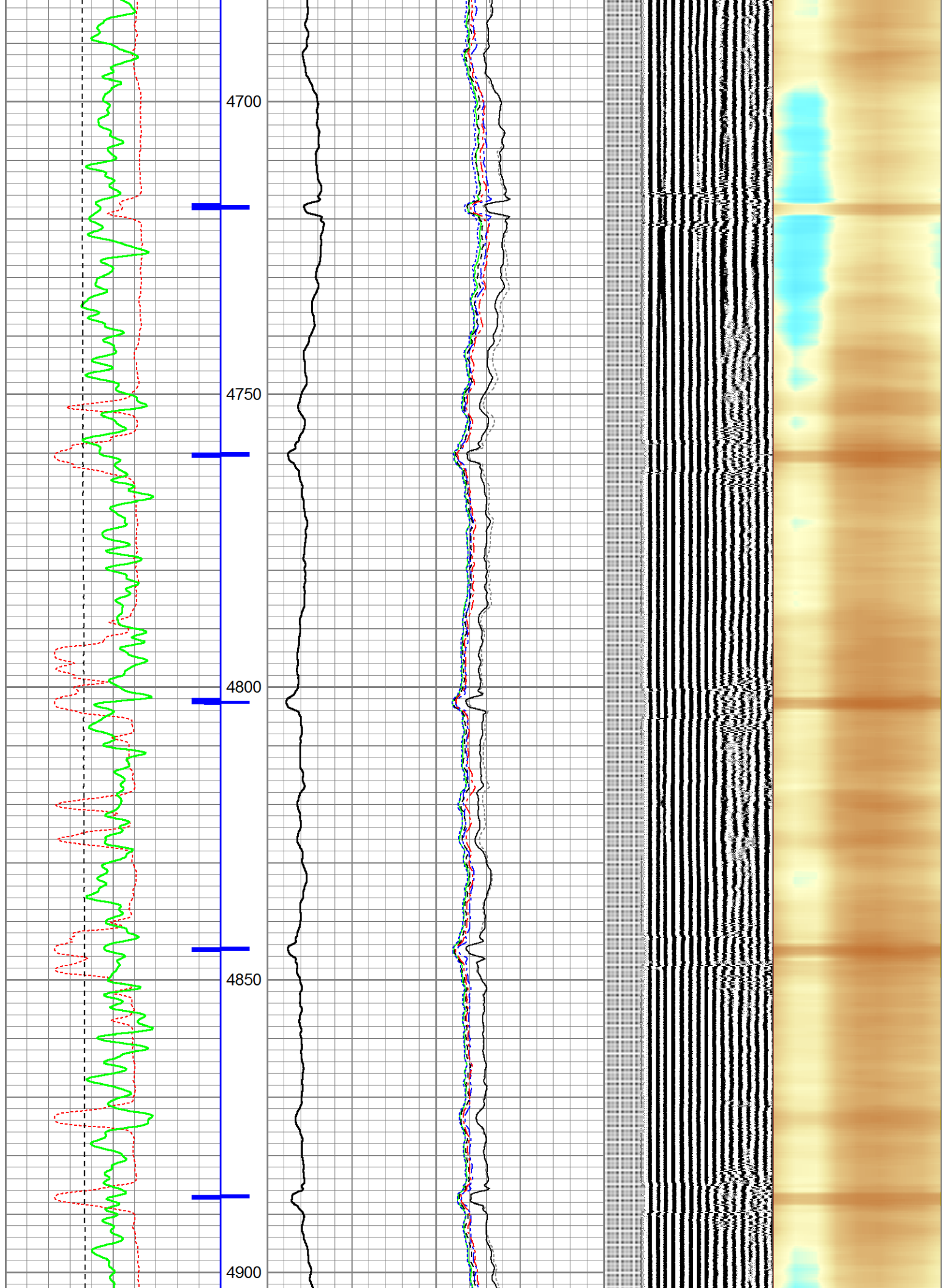


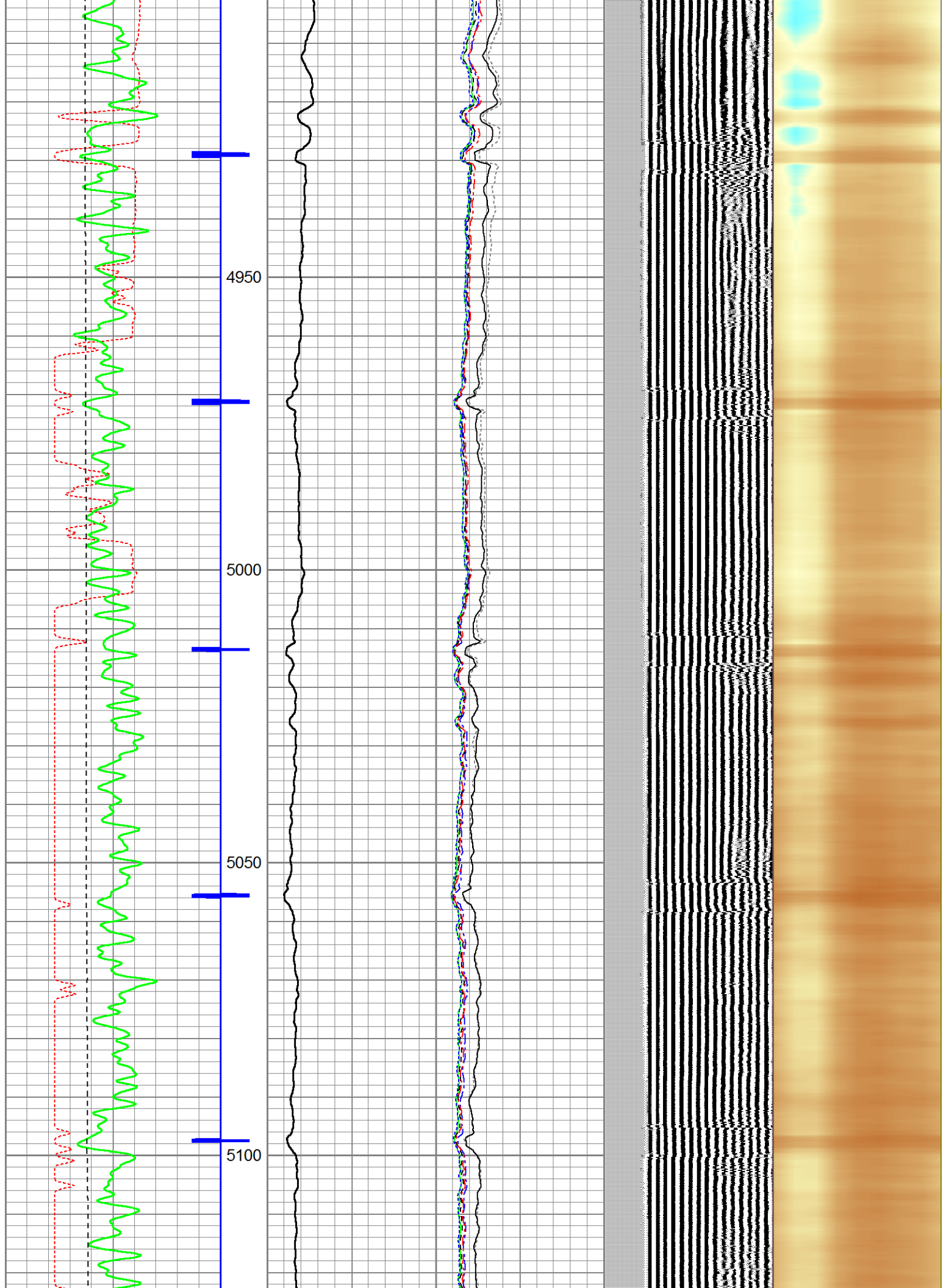


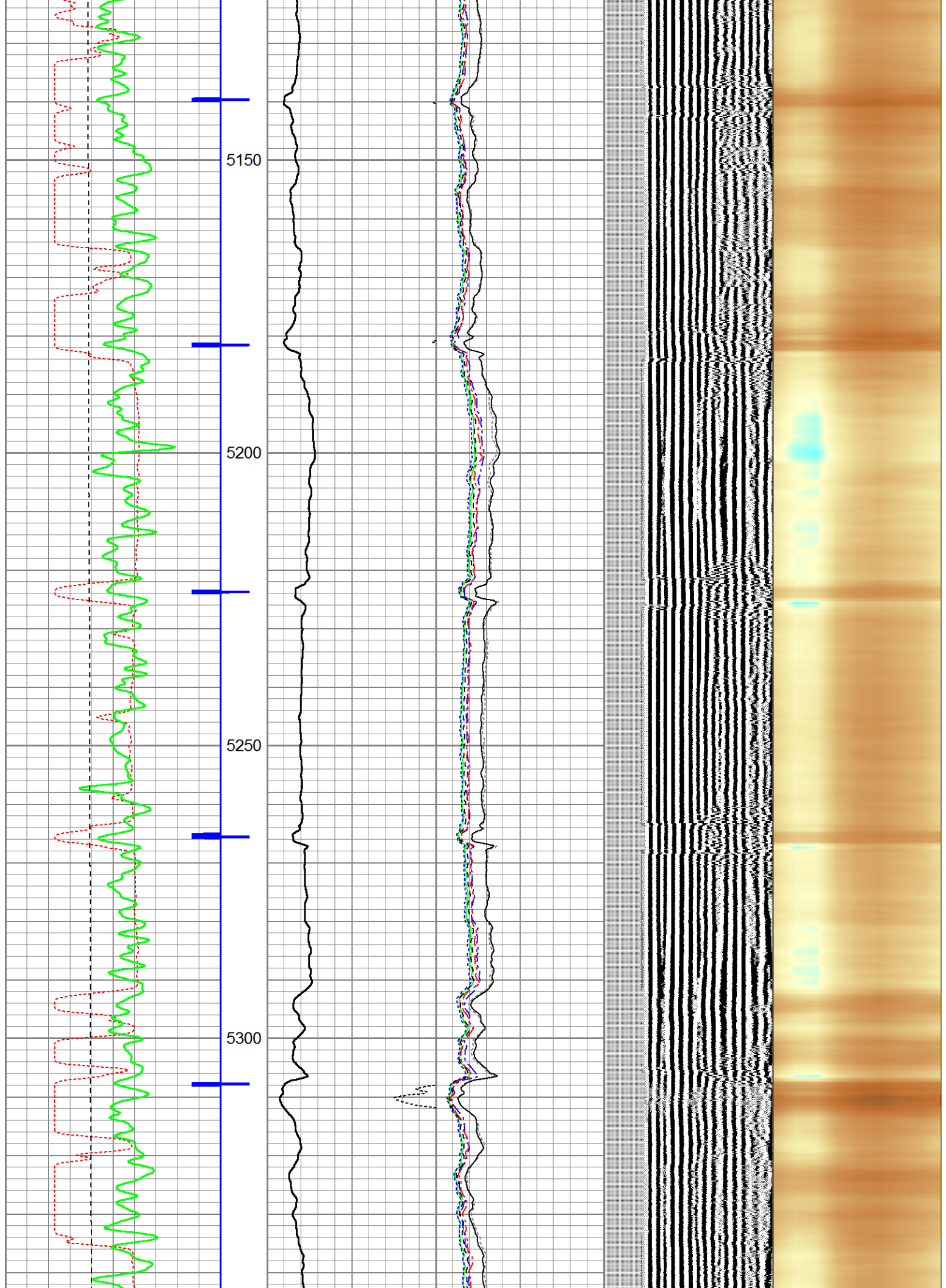


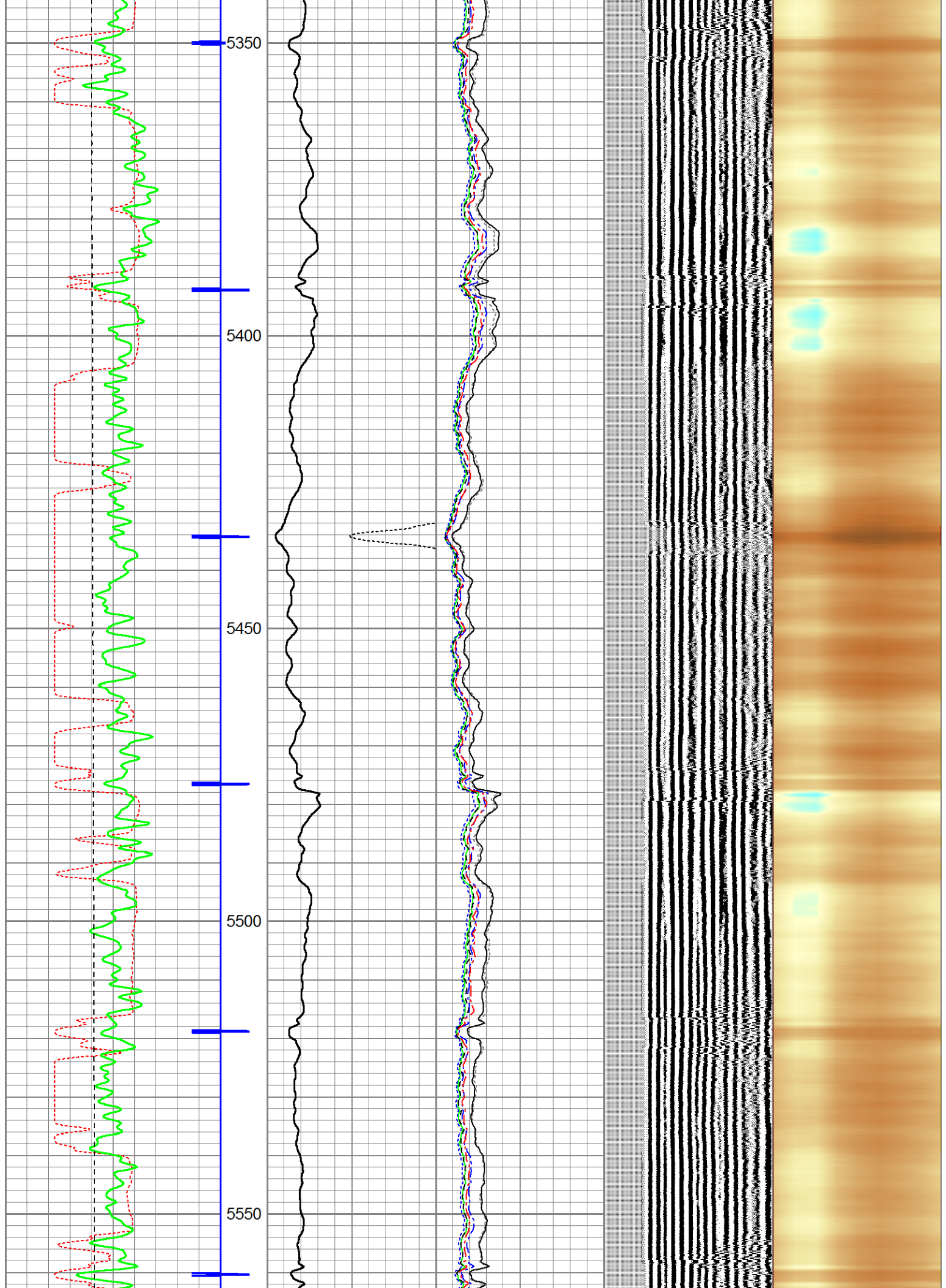


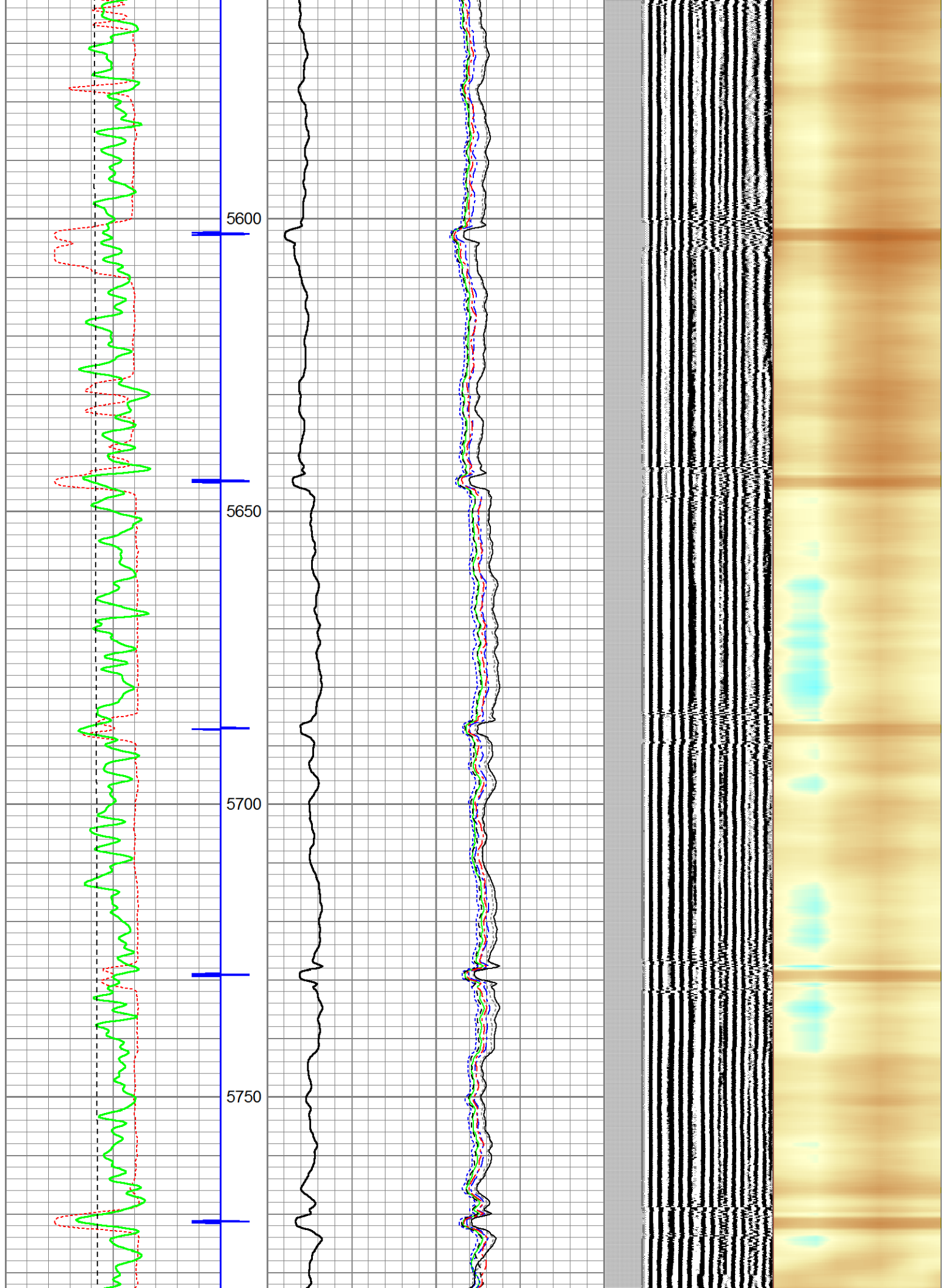


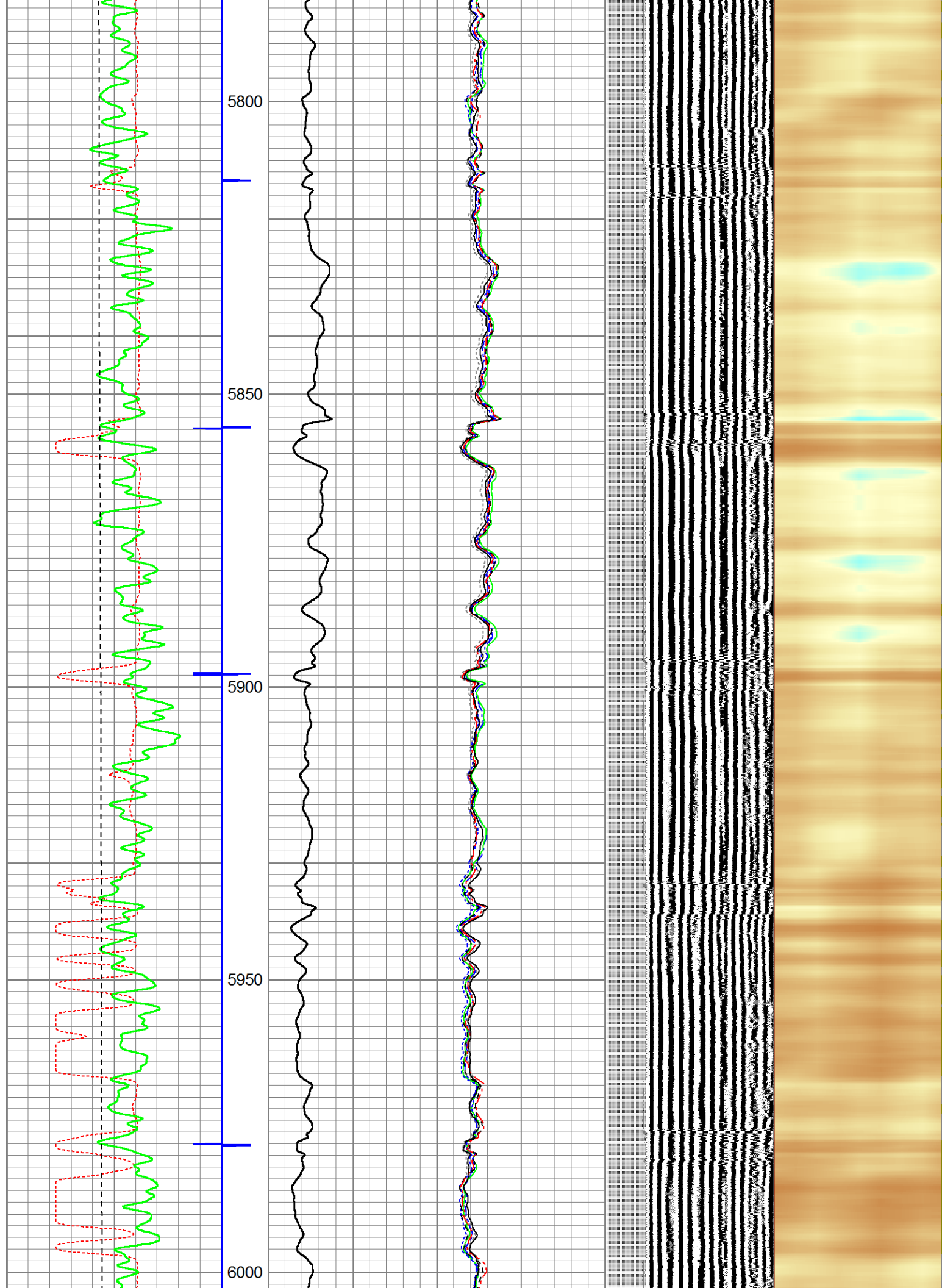


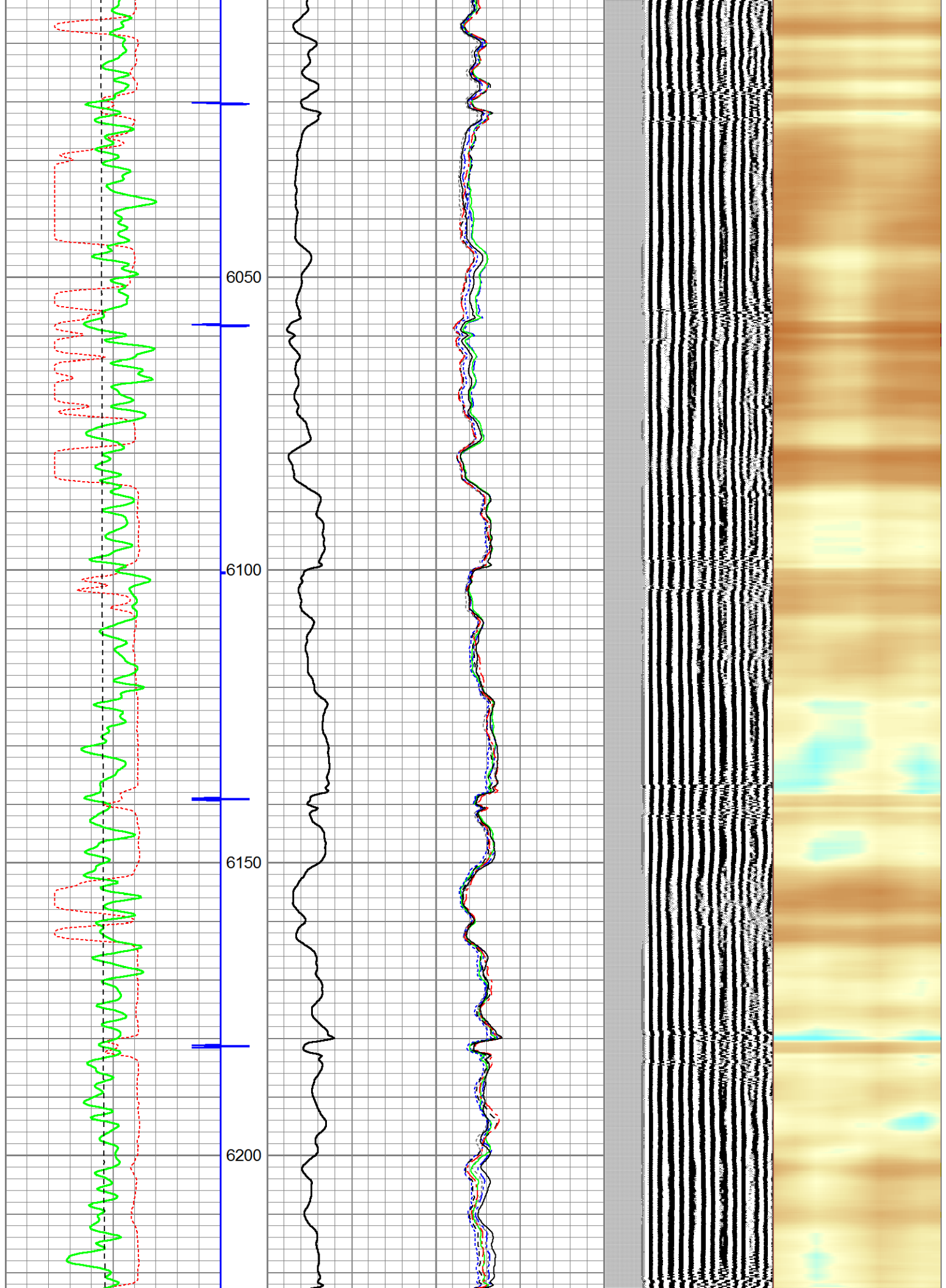


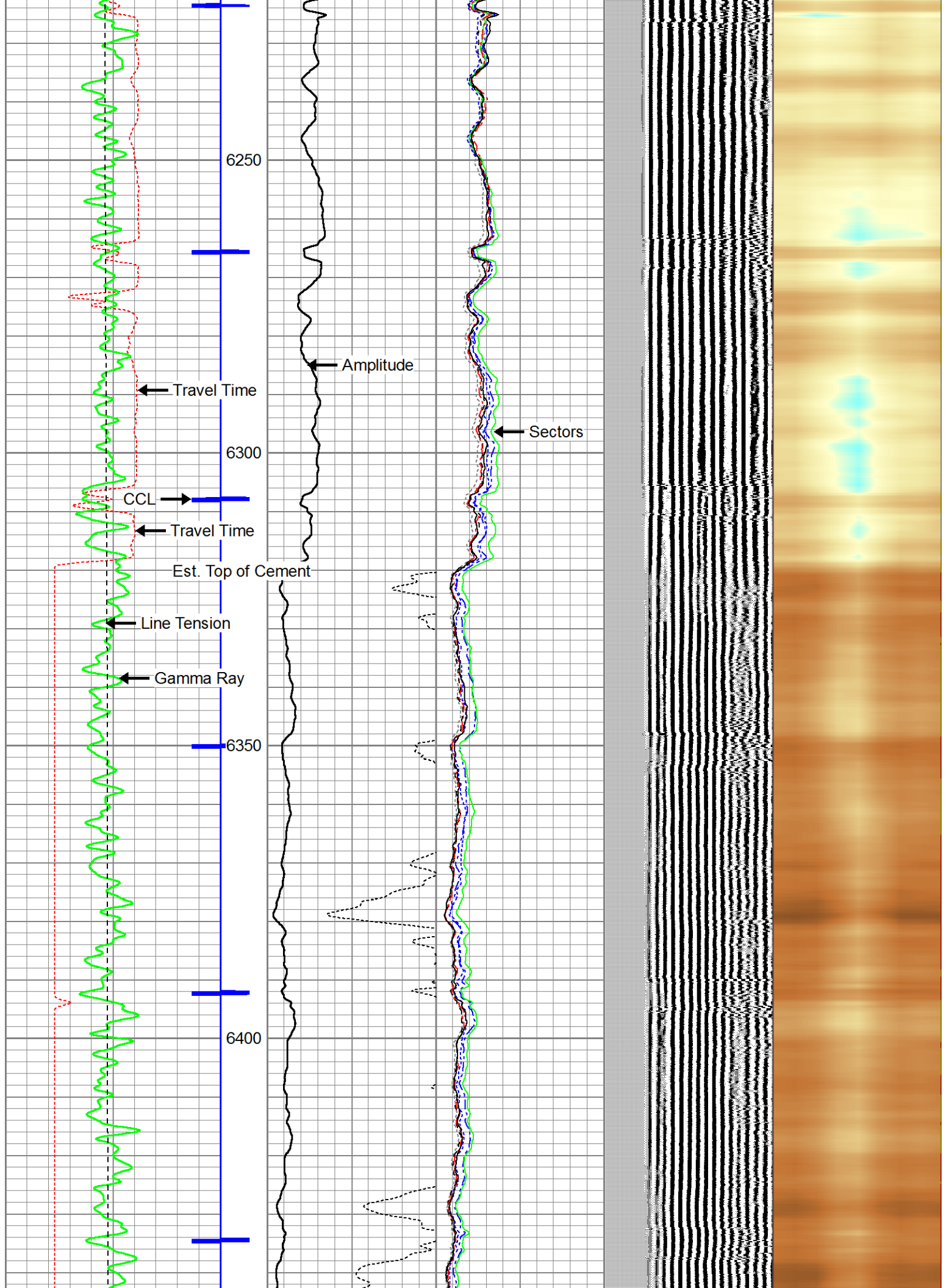


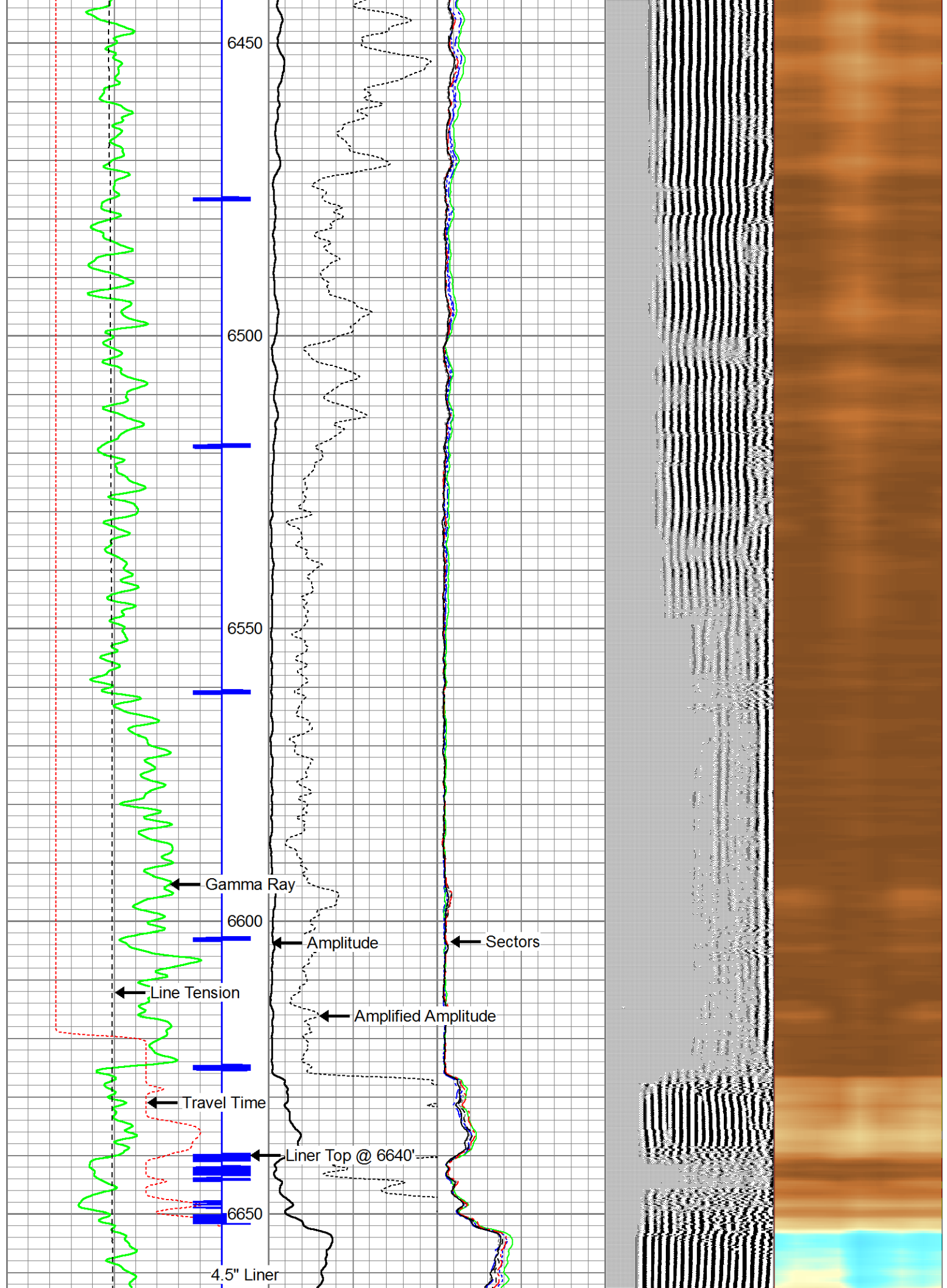


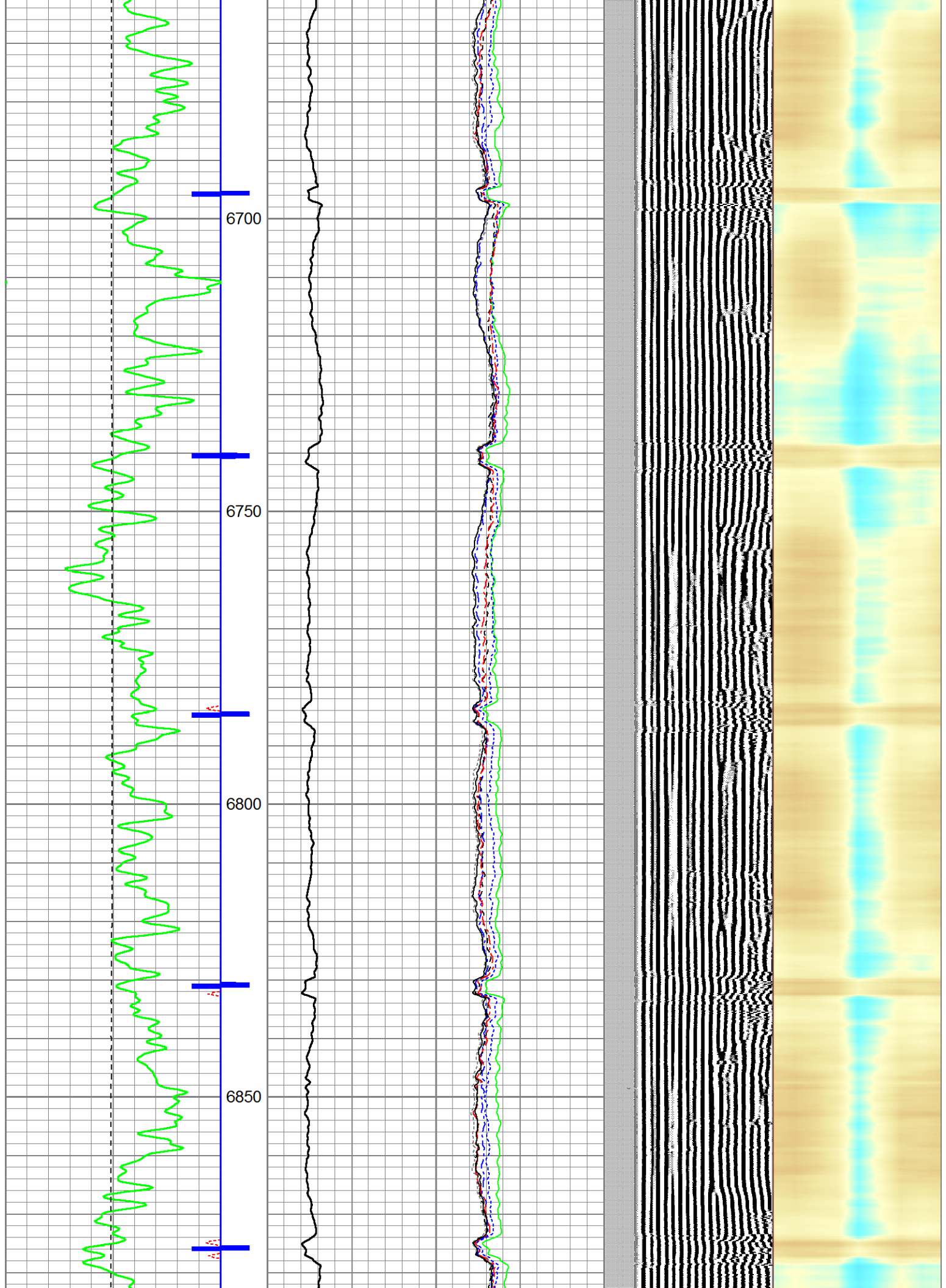


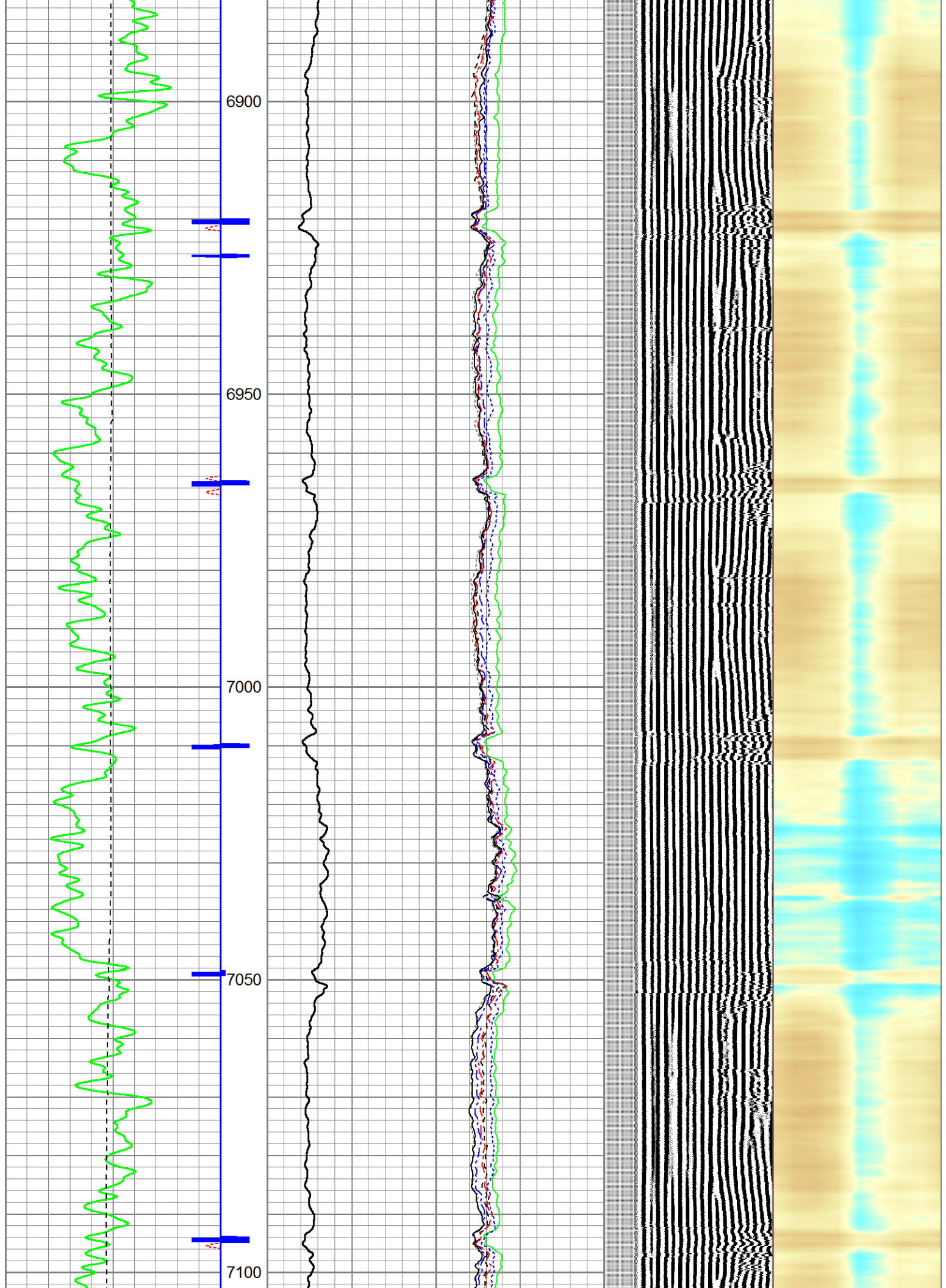


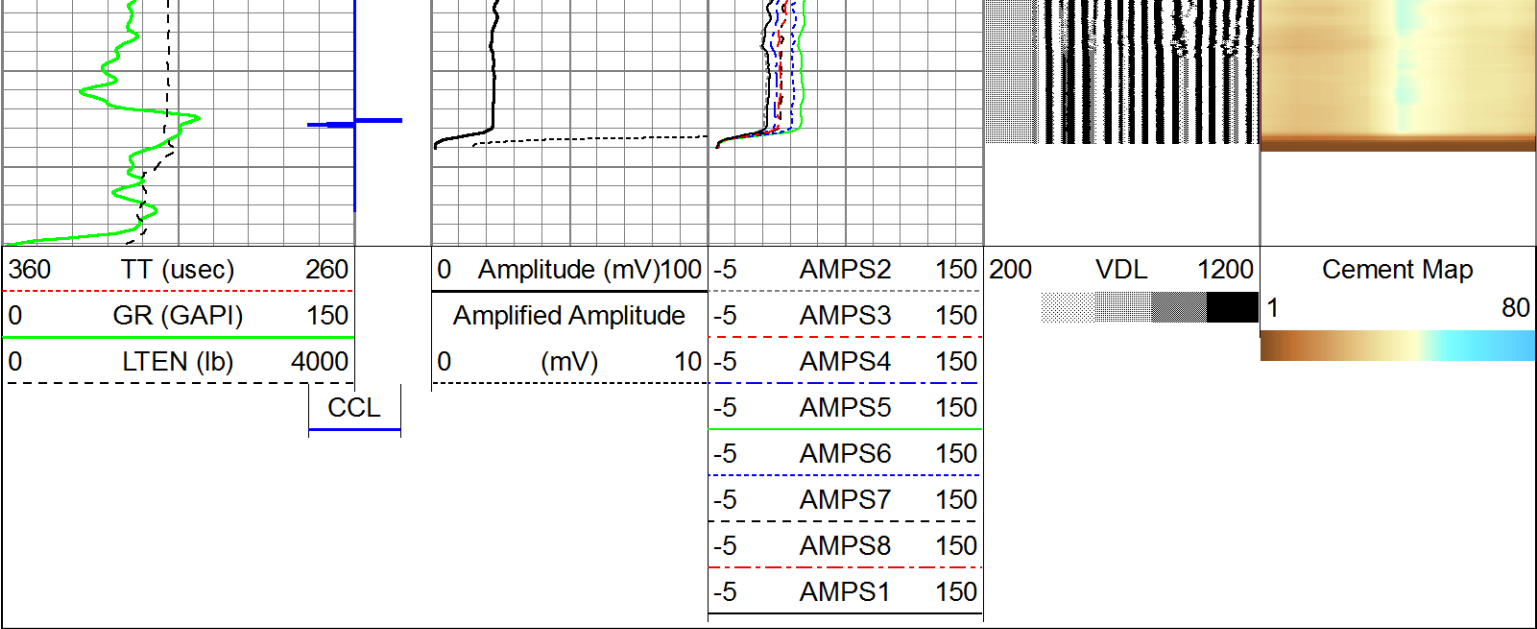




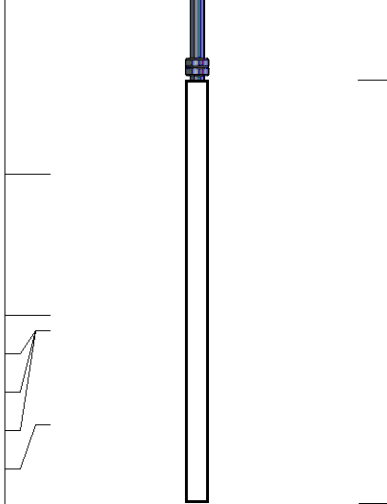









Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
HEADVOLT	16.25		Standard Standard Cable Head	1.00	1.69	1.00
			PTS275	2.83	2.75	
			RBT-Probe (110217) Probe Radli Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVF3FT	11.58					
WVFCAL	11.58					
WVFS1	11.58					
WVFS2	11.58					
WVFS3	11.58					
WVFS4	11.58					
WVFS5	11.58					
WVFS6	11.58					
WVFS7	11.58					
WVFS8	11.58					
WVF5FT	10.58					
			PTS275	2.83	2.75	

CCL	3.50		GR-275D_INC (275D_with_INC) 2-3/4" GR-CCL with Inclination	4.50	2.75
IntTemp	2.00				
ACCX	1.83				
ACCY	1.83				
ACCZ	1.83				
GR	0.83				
Dataset: bayswater arellano k-10-9h.db: field/well/run1/pass6.6 Total Length: 20.08 ft Total Weight: 91.00 lb O.D. 2.75 in					

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