



**CEMENT BONG LOG
W/ GAMMA RAY, CCL
VDL**

Company	Civitas Resources	Country	USA
Well	Connell X3 3-7-31		
Field	Wattenburg		
County	Weld		
State	Colorado	Country	USA
Location:	SHL 2578' FSL & 1685' FWL NE SE BHL 612' FSL & 1873' SE SW SEC 31 TWP 5N RGE 65W		API #: 05-123-26715
Permanent Datum	GL	Elevation	4659
Log Measured From	KB		
Drilling Measured From	KB		
		Elevation	K.B. 4671 D.F. 4670 G.L. 4659

Date	16JULY2023
Run Number	ONE
Depth Driller	8100
Depth Logger	6999
Bottom Logged Interval	7000
Top Log Interval	SURFACE
Open Hole Size	7 7/8"
Type Fluid	WATER
Density / Viscosity	----
Max. Recorded Temp.	226
Estimated Cement Top	SEE LOG
Time Well Ready	ROI
Time Logger on Bottom	2048
Equipment Number	72
Location	PLATTEVILLE
Recorded By	C.AFDAHL
Witnessed By	M. LINDSEY

Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
Casing Record	Size			Mgt/Ft	Top		Bottom
Surface String	8 5/8"			24#	457'		TD
Prot. String	4.5"			11.6#	SURFACE		TD
Production String							
Liner							

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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.

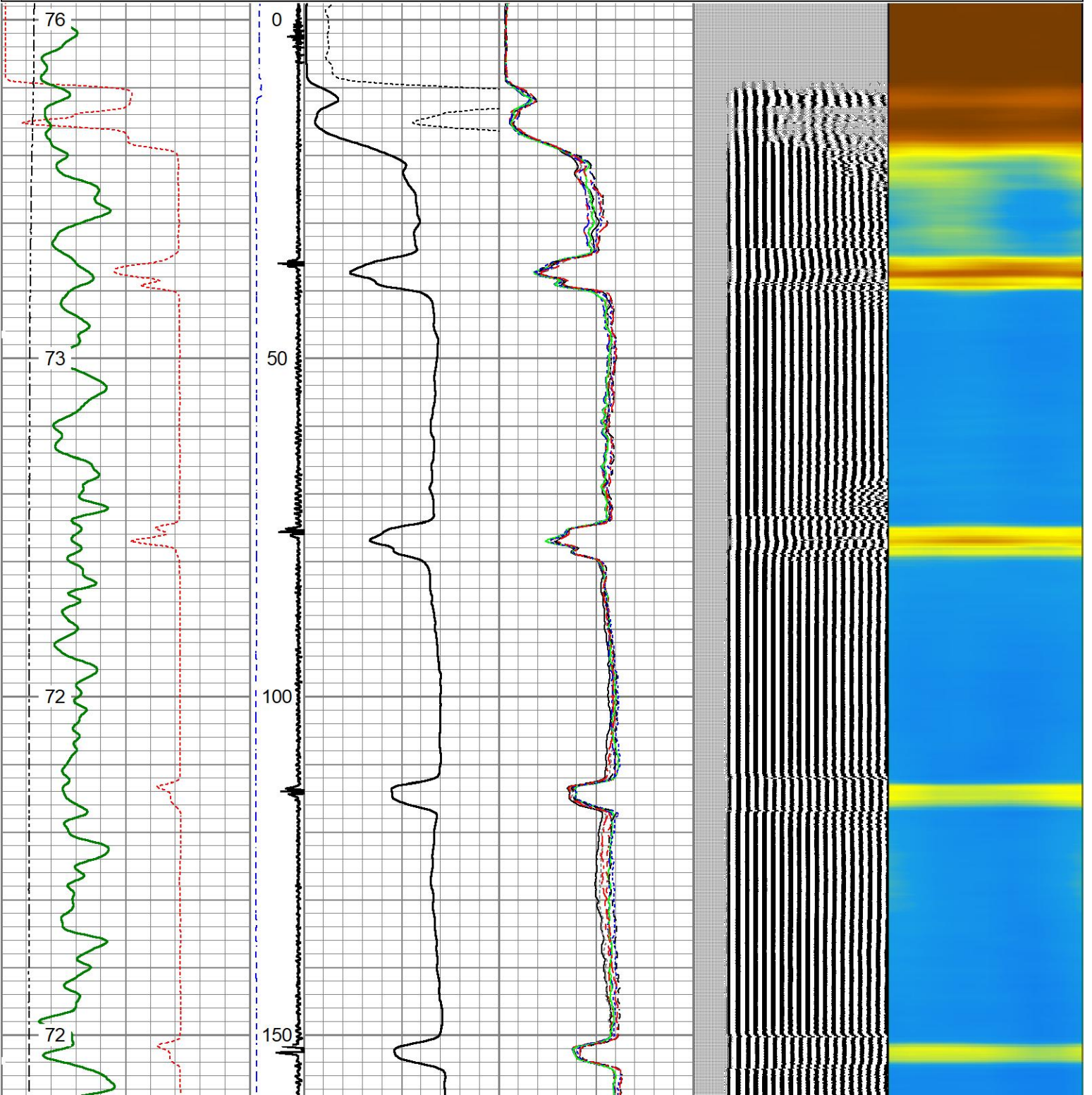
Comments

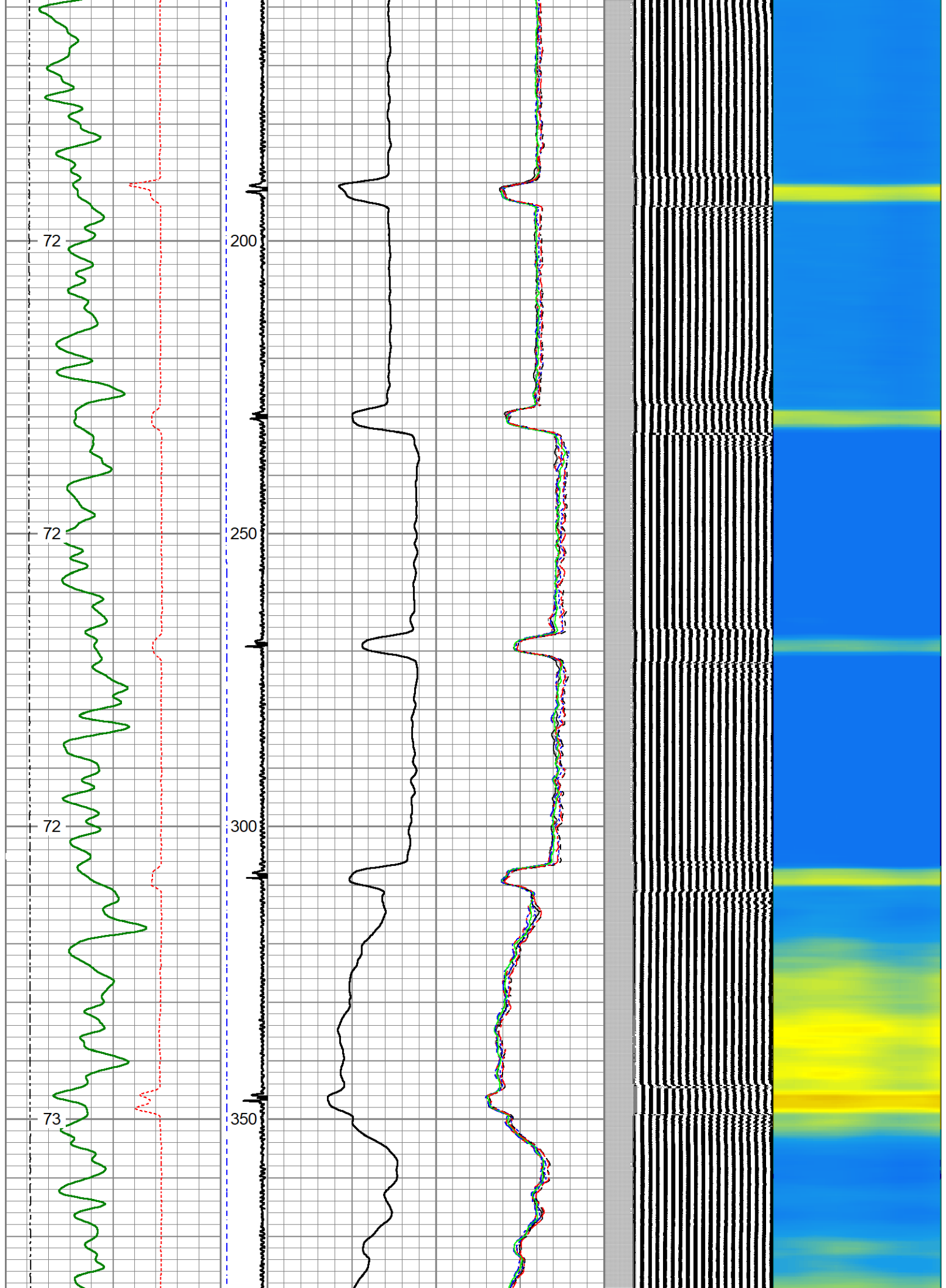
LOG RAN OFF OF KB

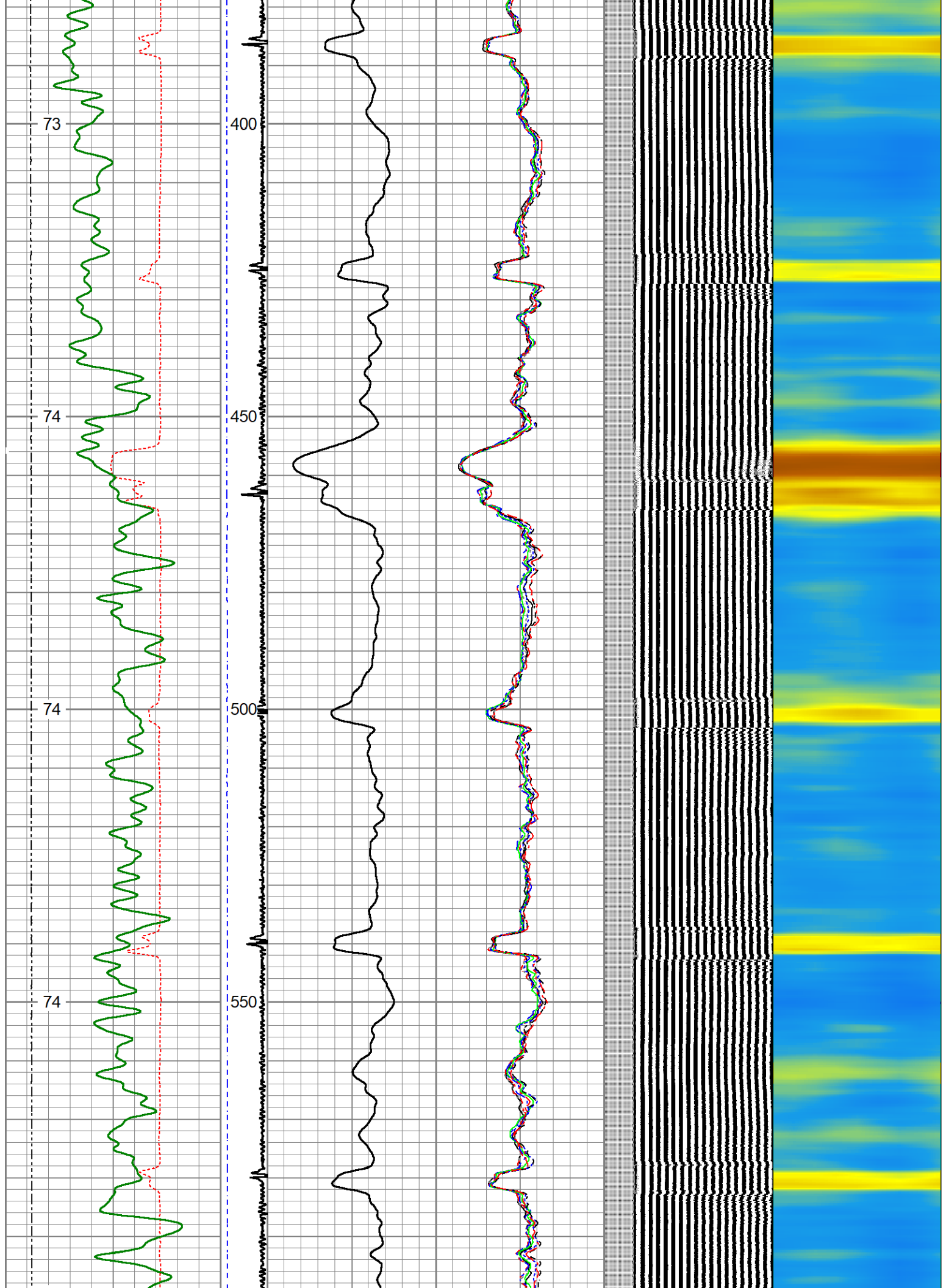


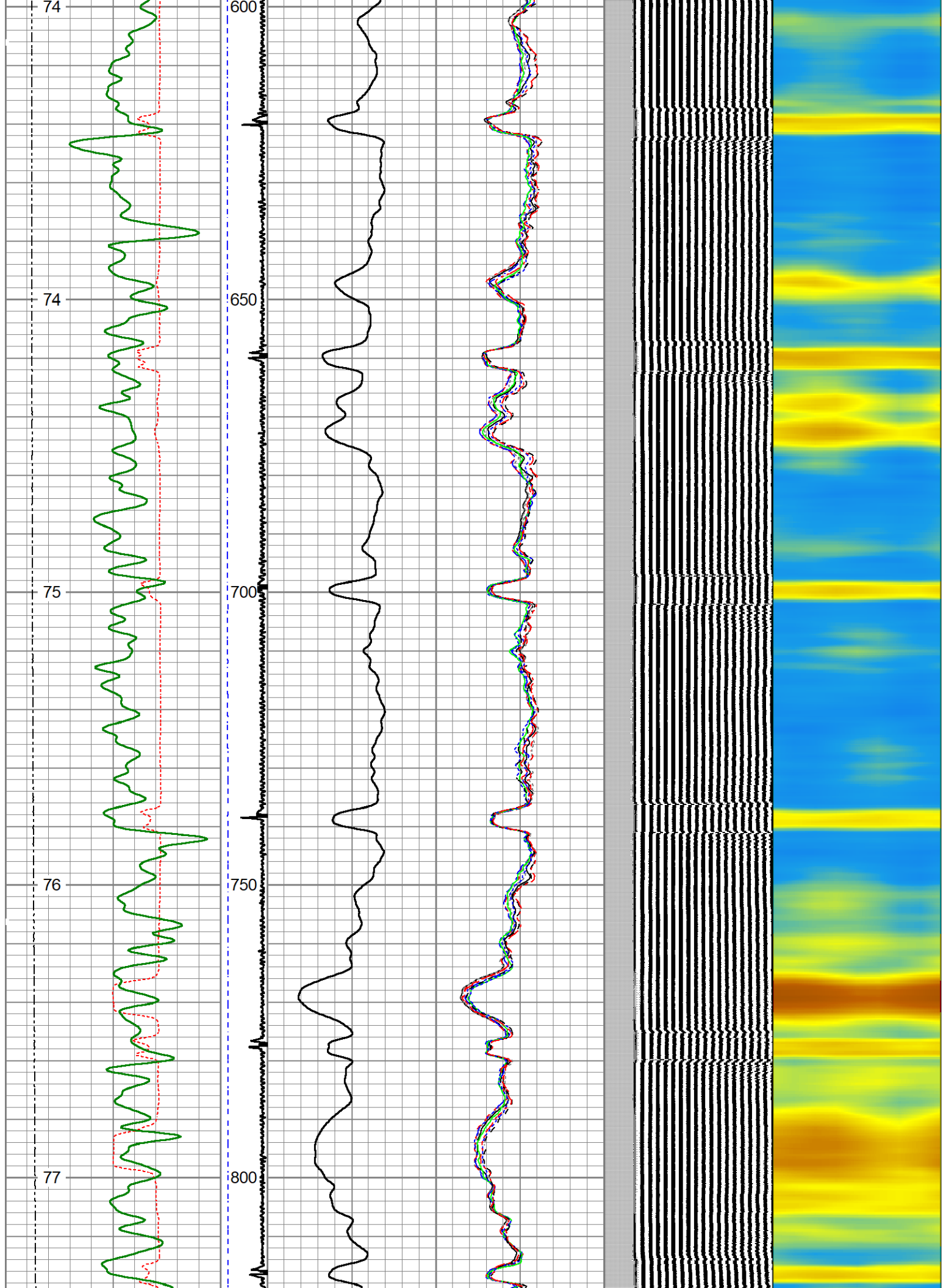
Database File civitas_connell_x3-3-7-31_07-16-23.db
 Dataset Pathname pass10
 Presentation Format klx_rcbl
 Dataset Creation Sun Jul 16 21:50:27 2023
 Charted by Depth in Feet scaled 1:240

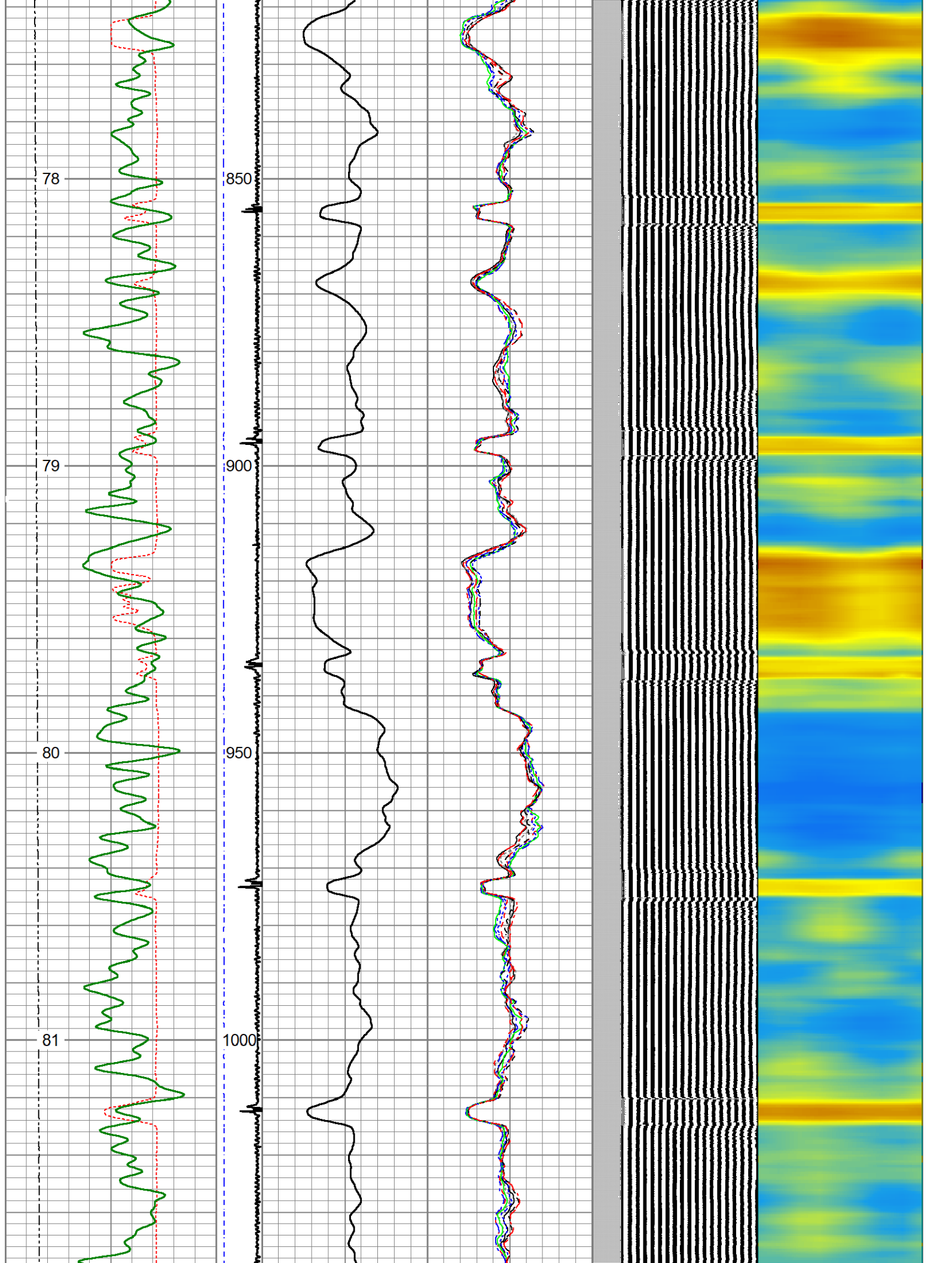
400	Travel Time (usec)	200	ing Co	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
0	Gamma Ray (GAPI)	150	9 -1		Amplified Amplitude		-5	Sector 2	150		(usec)		1200
50	TEMP (degF)	250	e Tens	0	(mV)	10	-5	Sector 3	150				
	TEMP (degF)		(lb)				-5	Sector 4	150				
			(2000)				-5	Sector 5	150				
							-5	Sector 6	150				
							-5	Sector 7	150				
							-5	Sector 8	150				

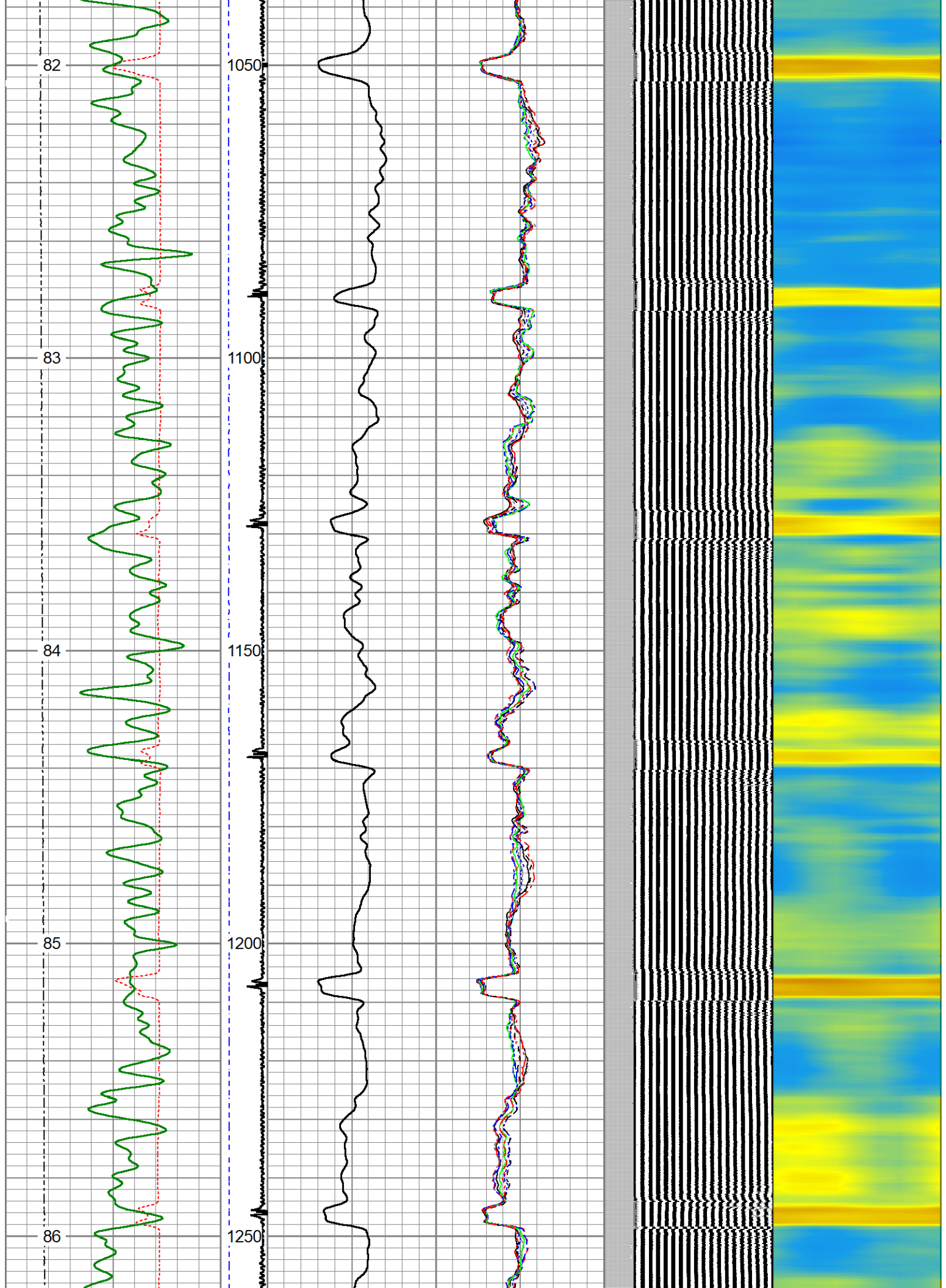


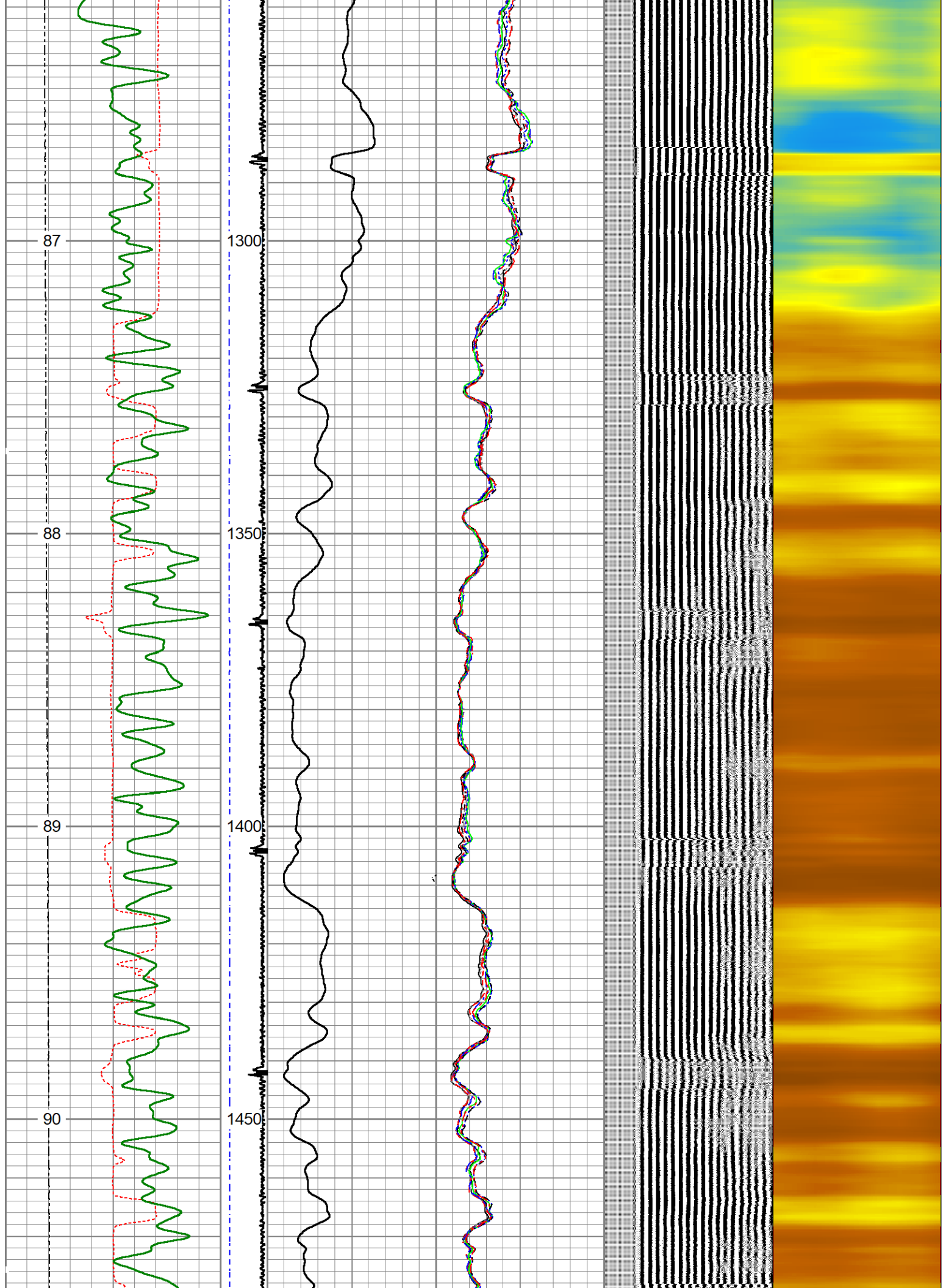


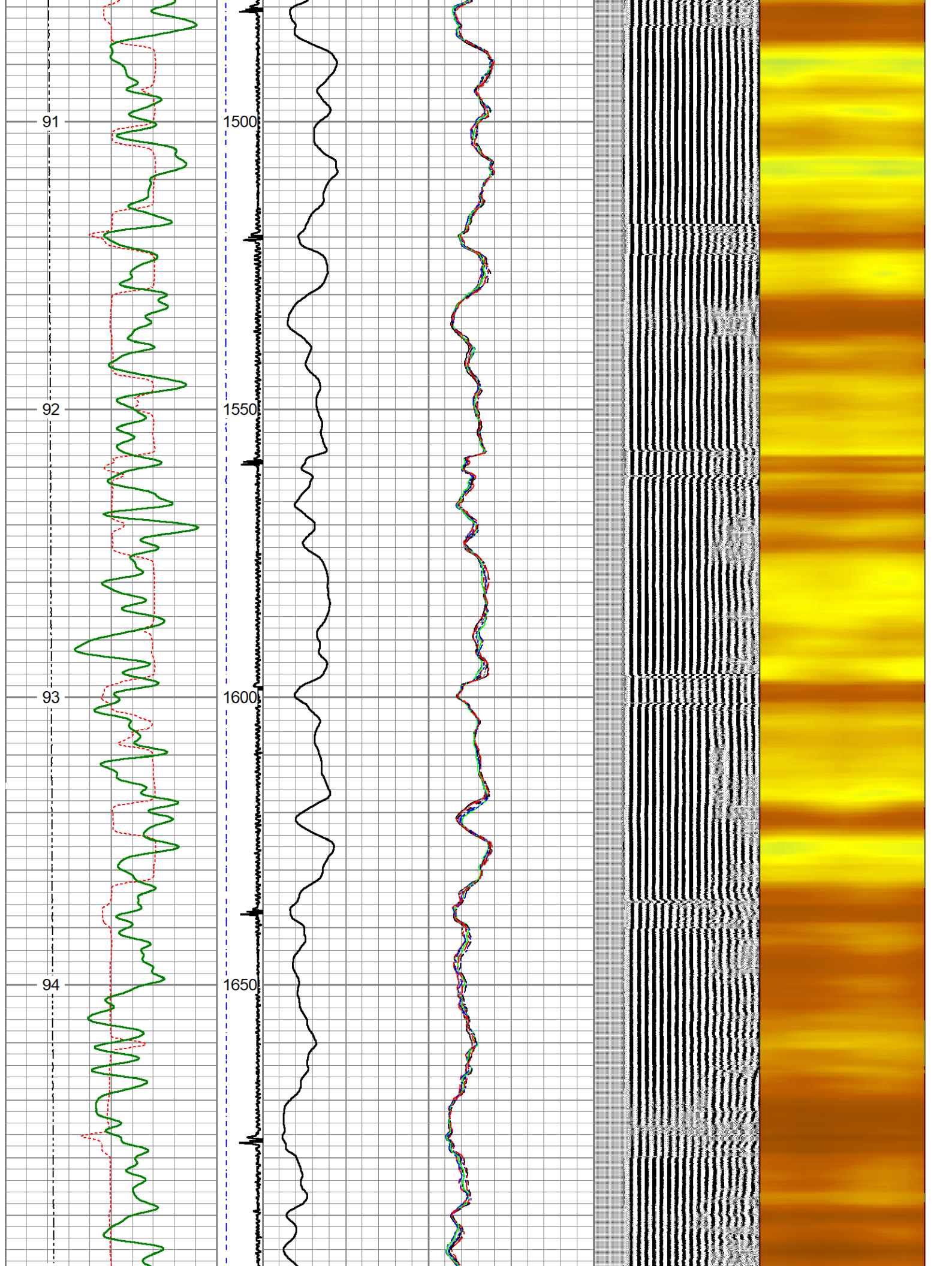


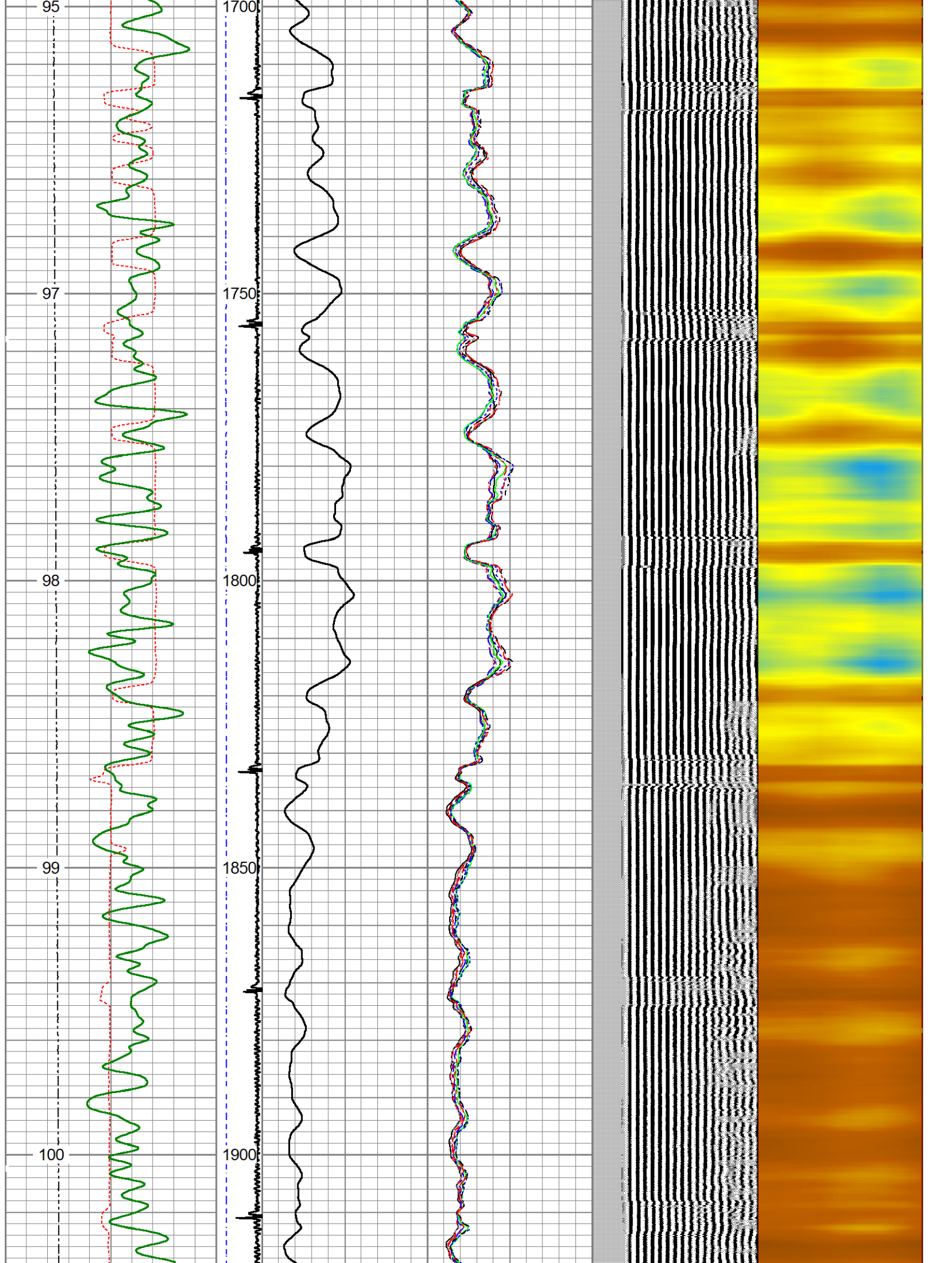


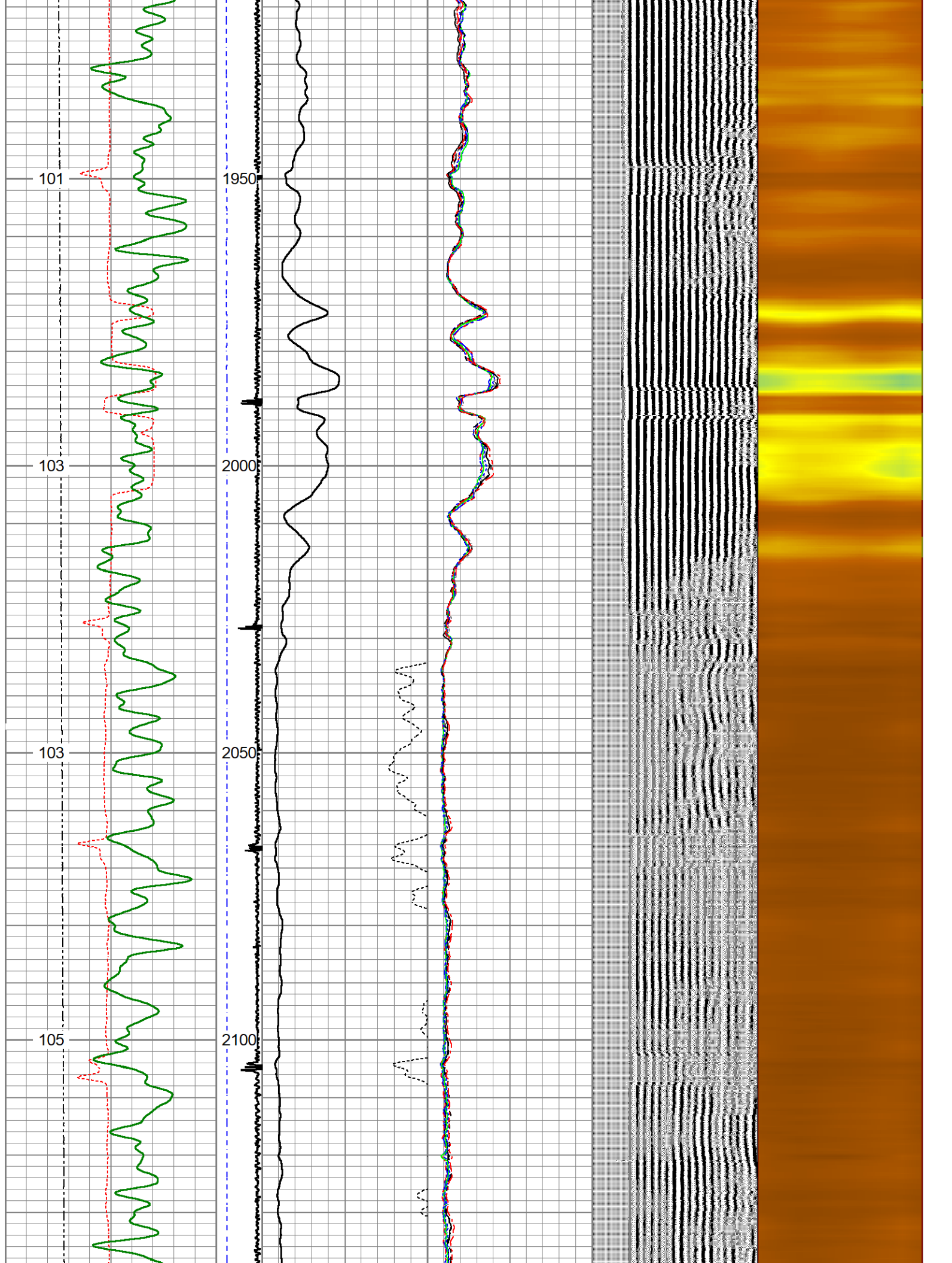


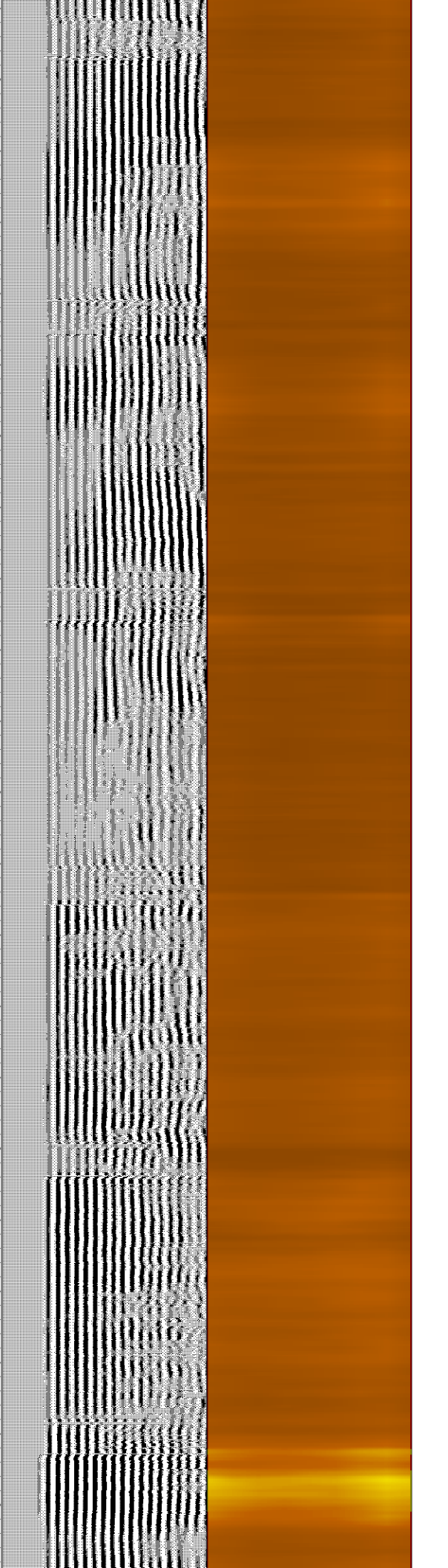
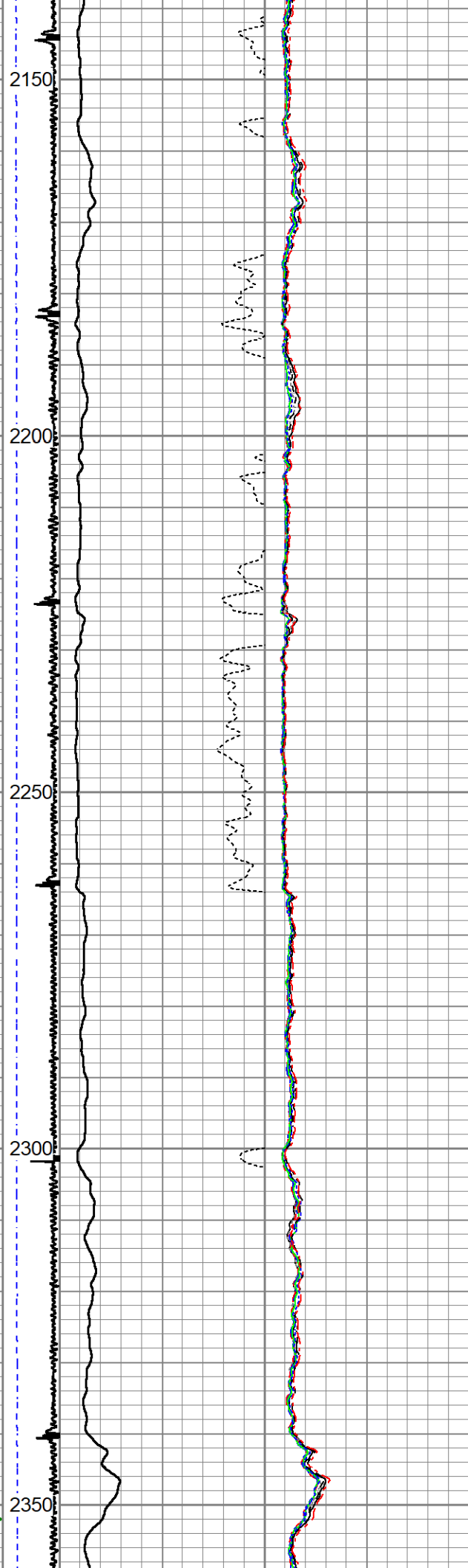
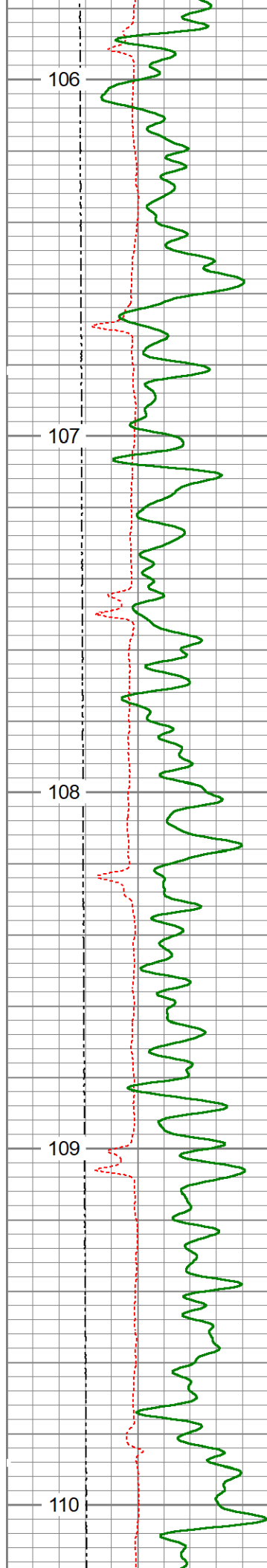


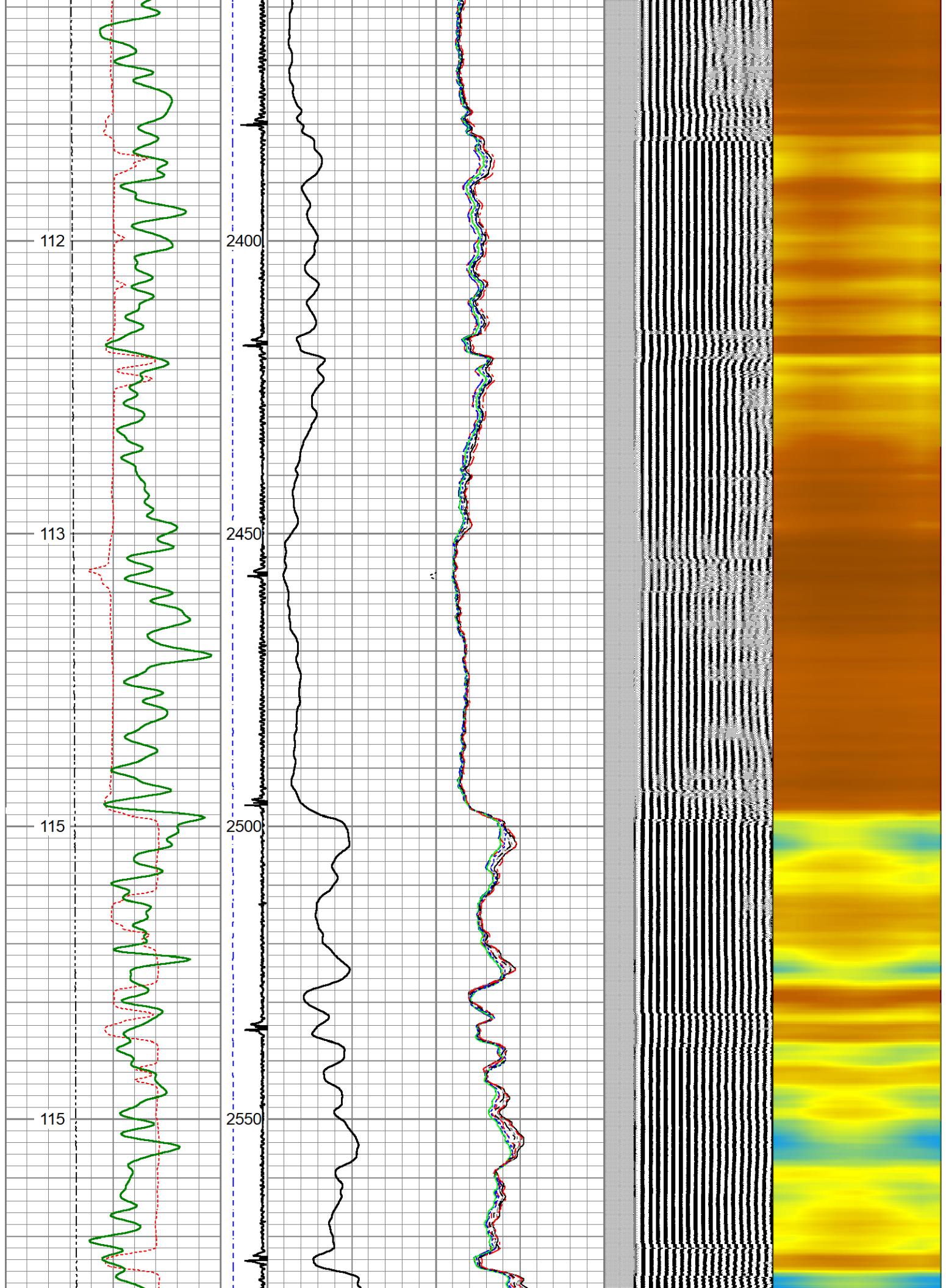


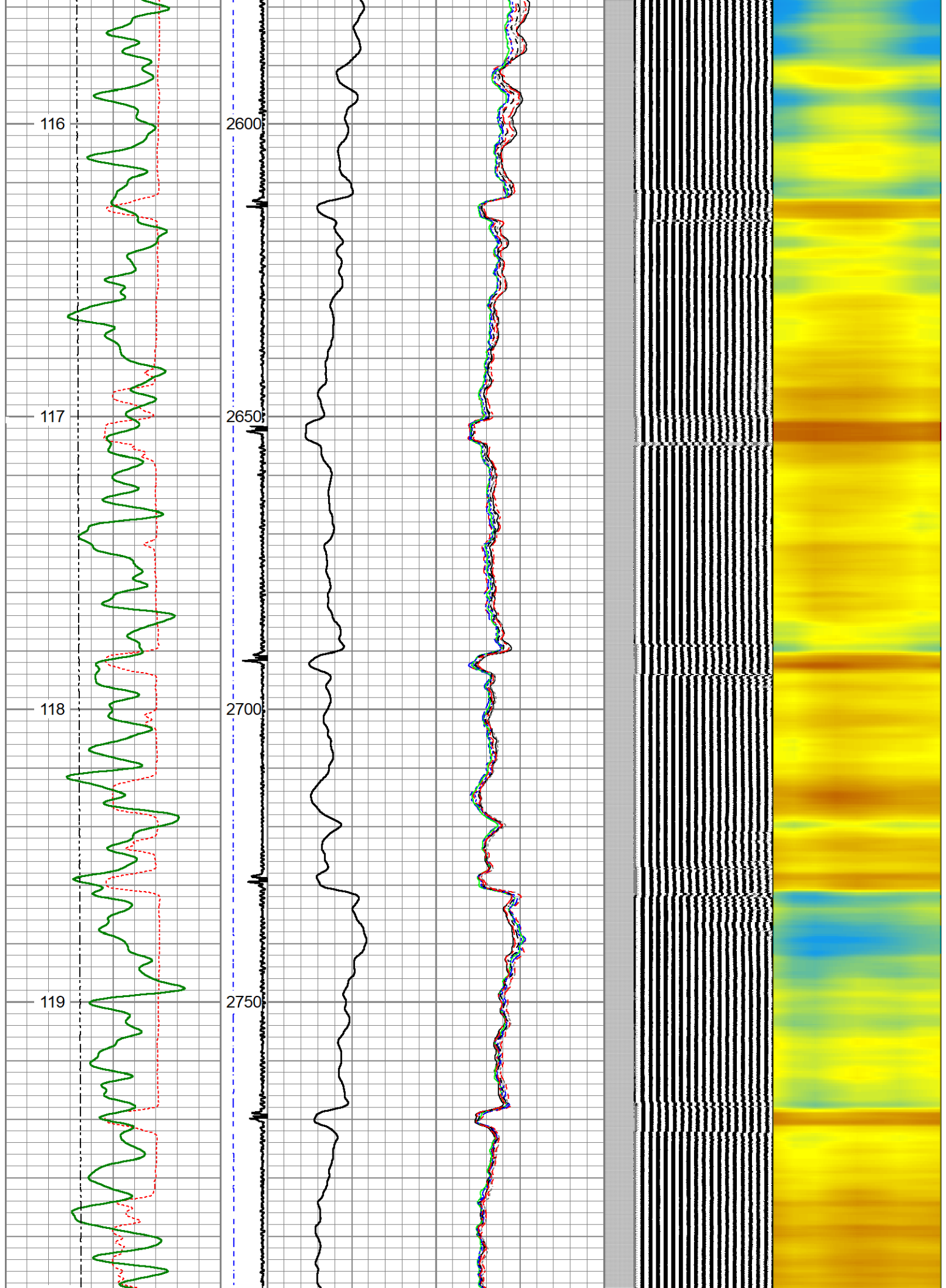


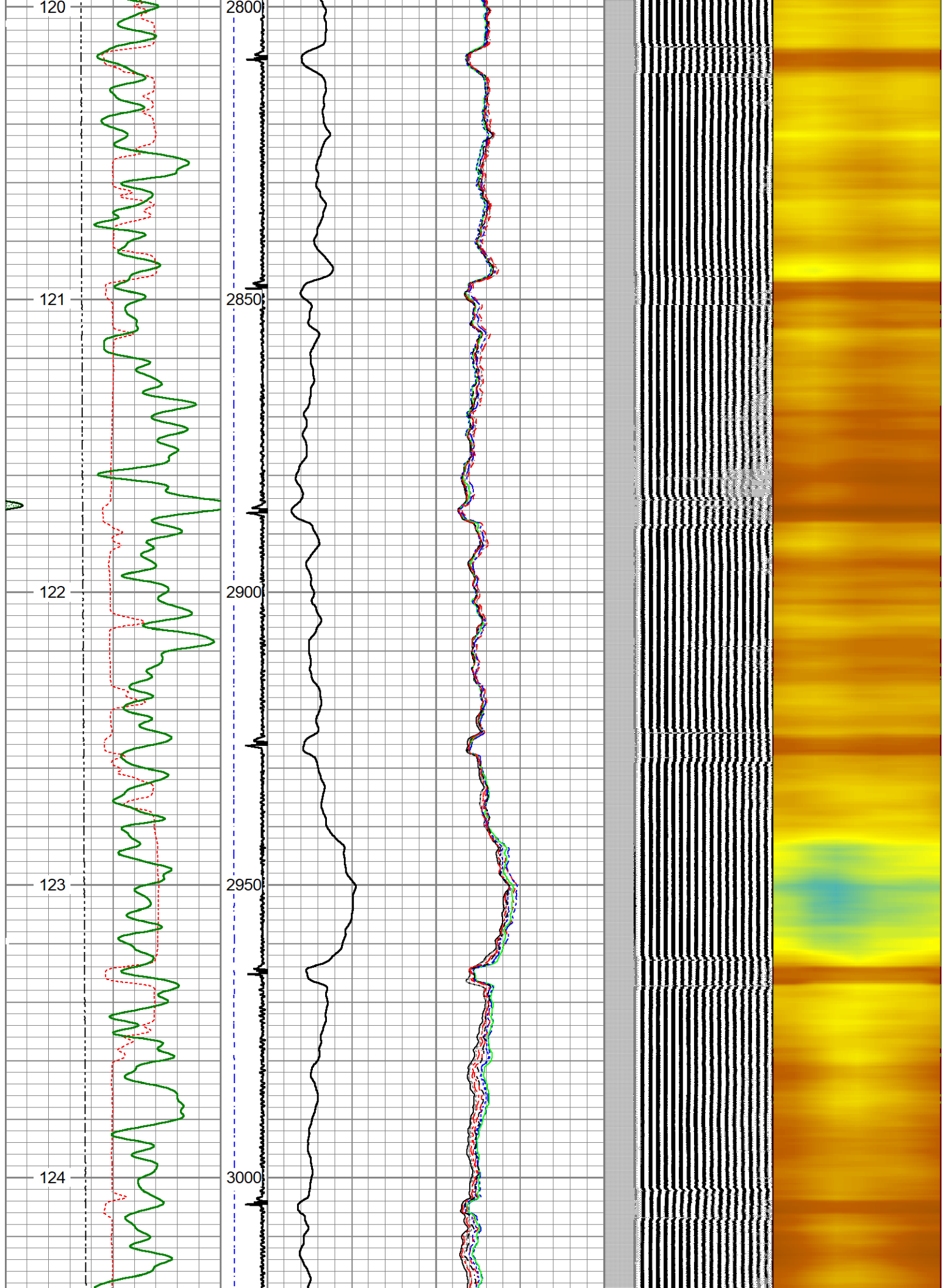


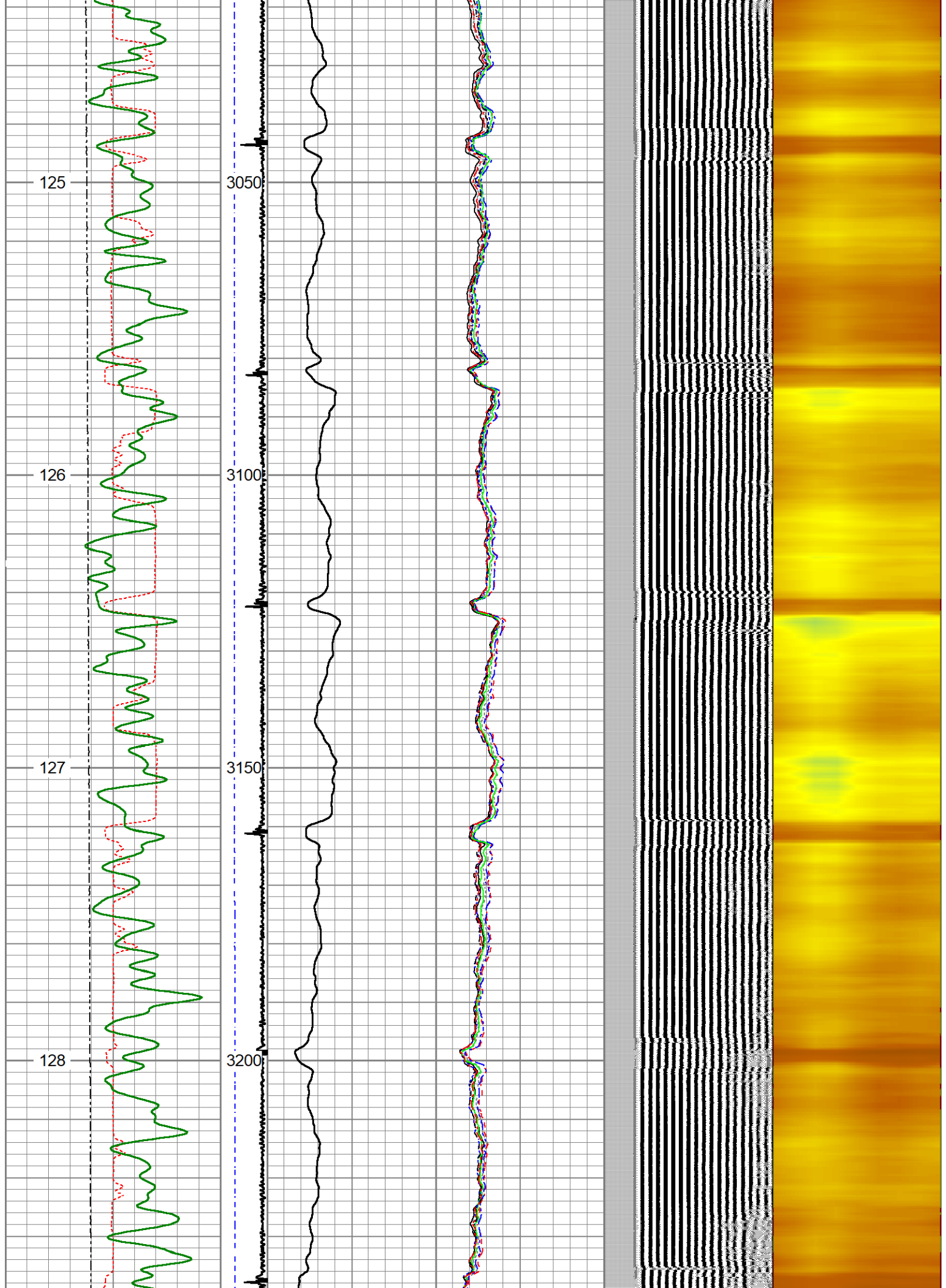


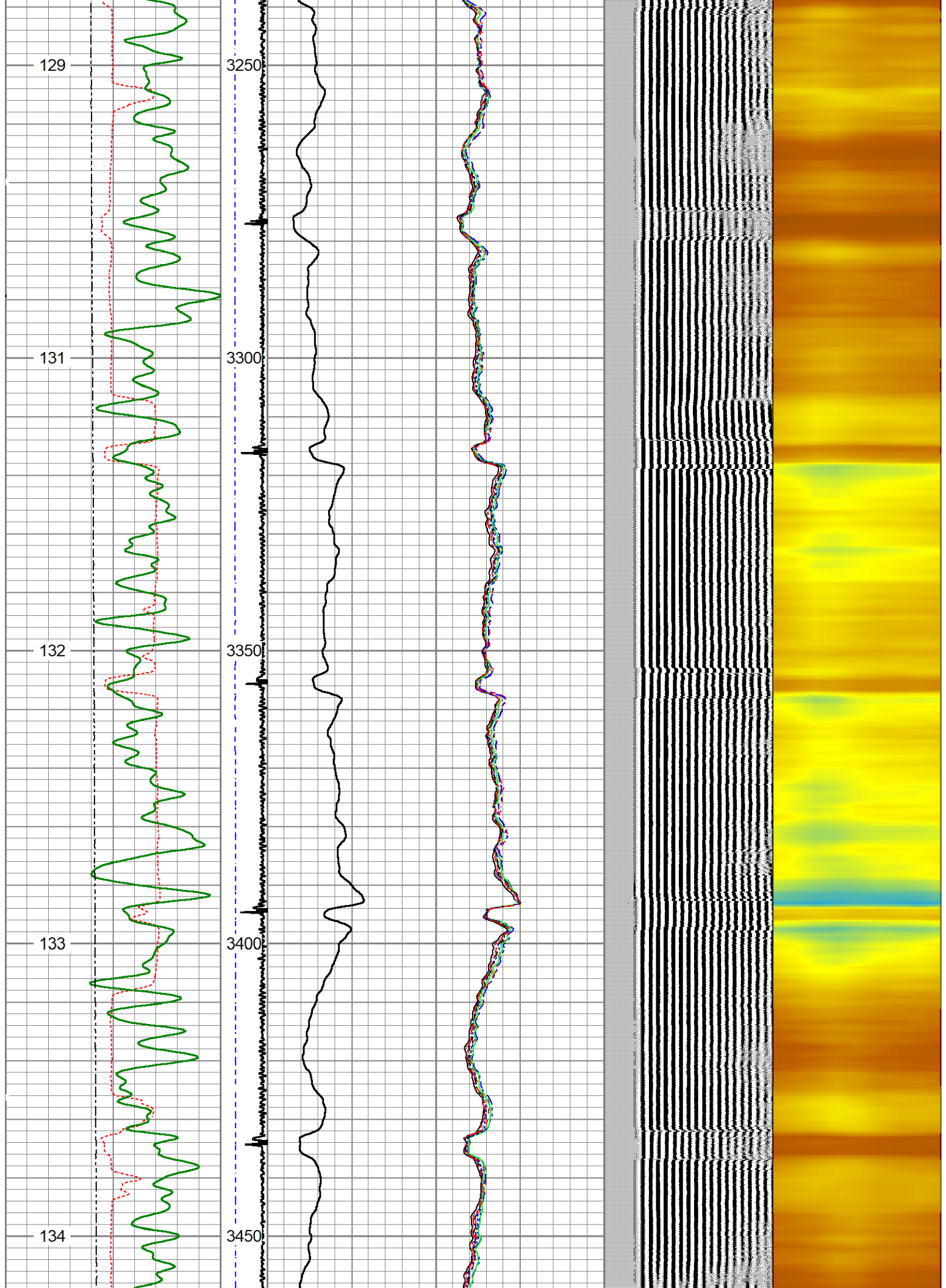


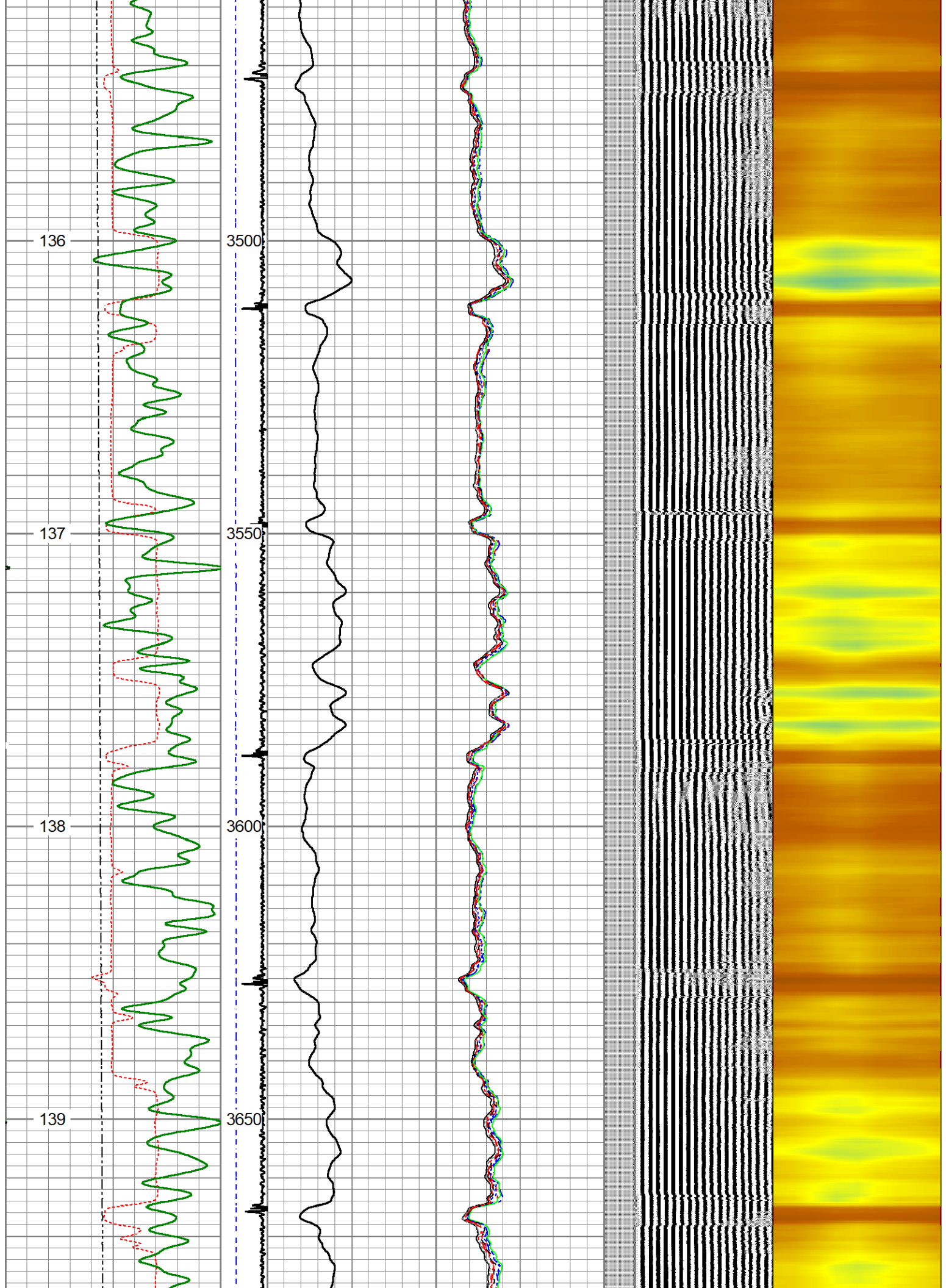


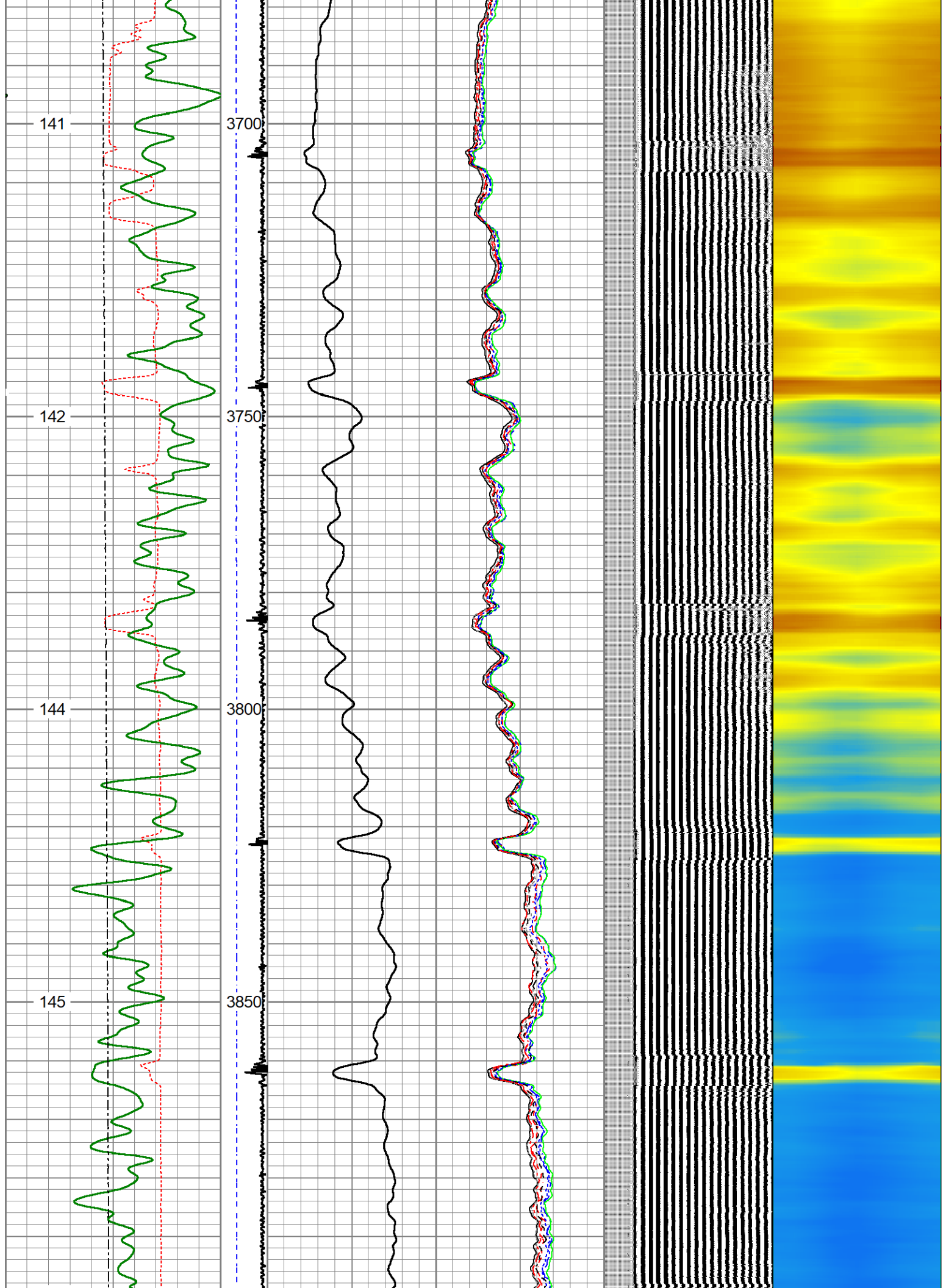


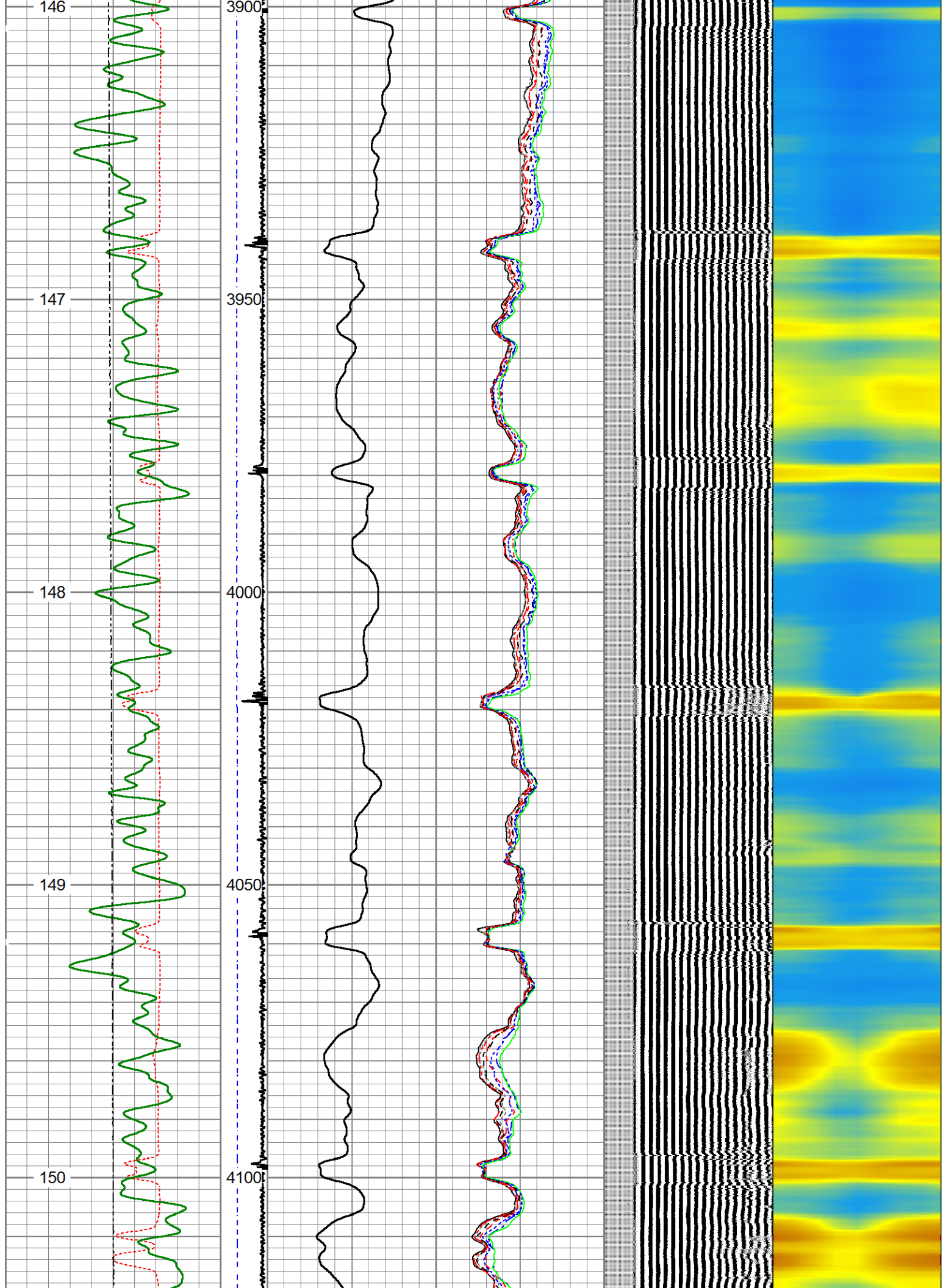


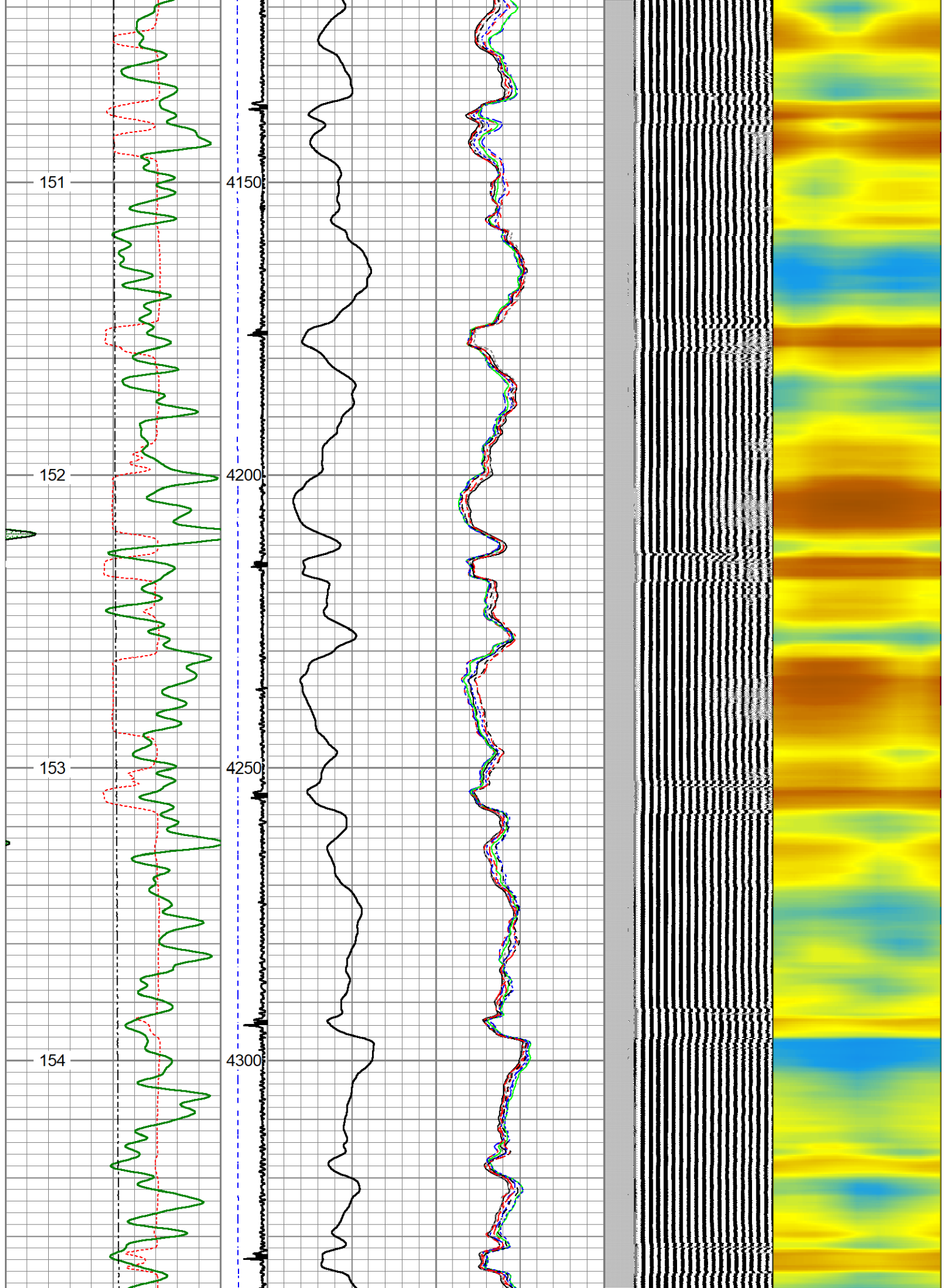


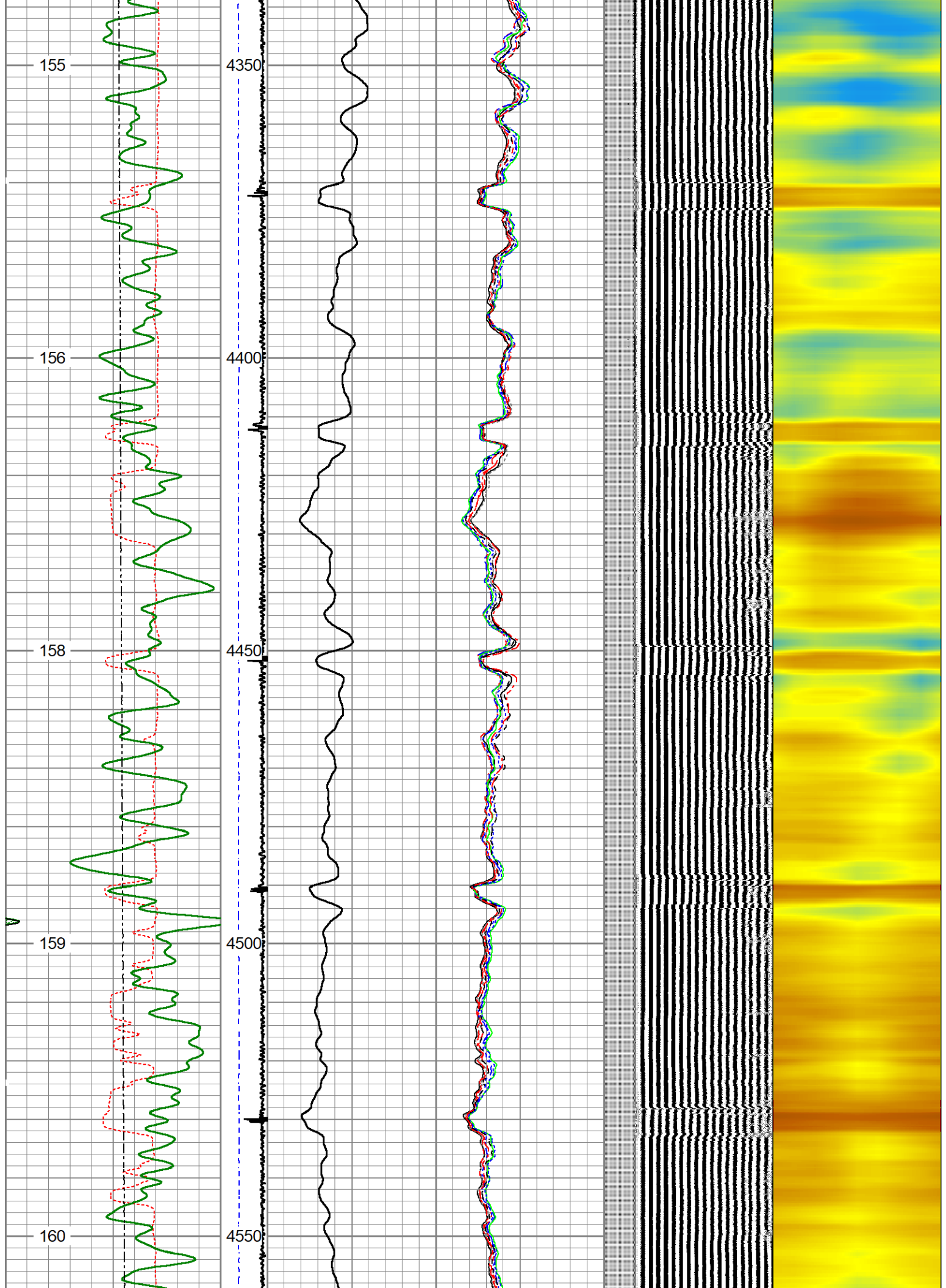


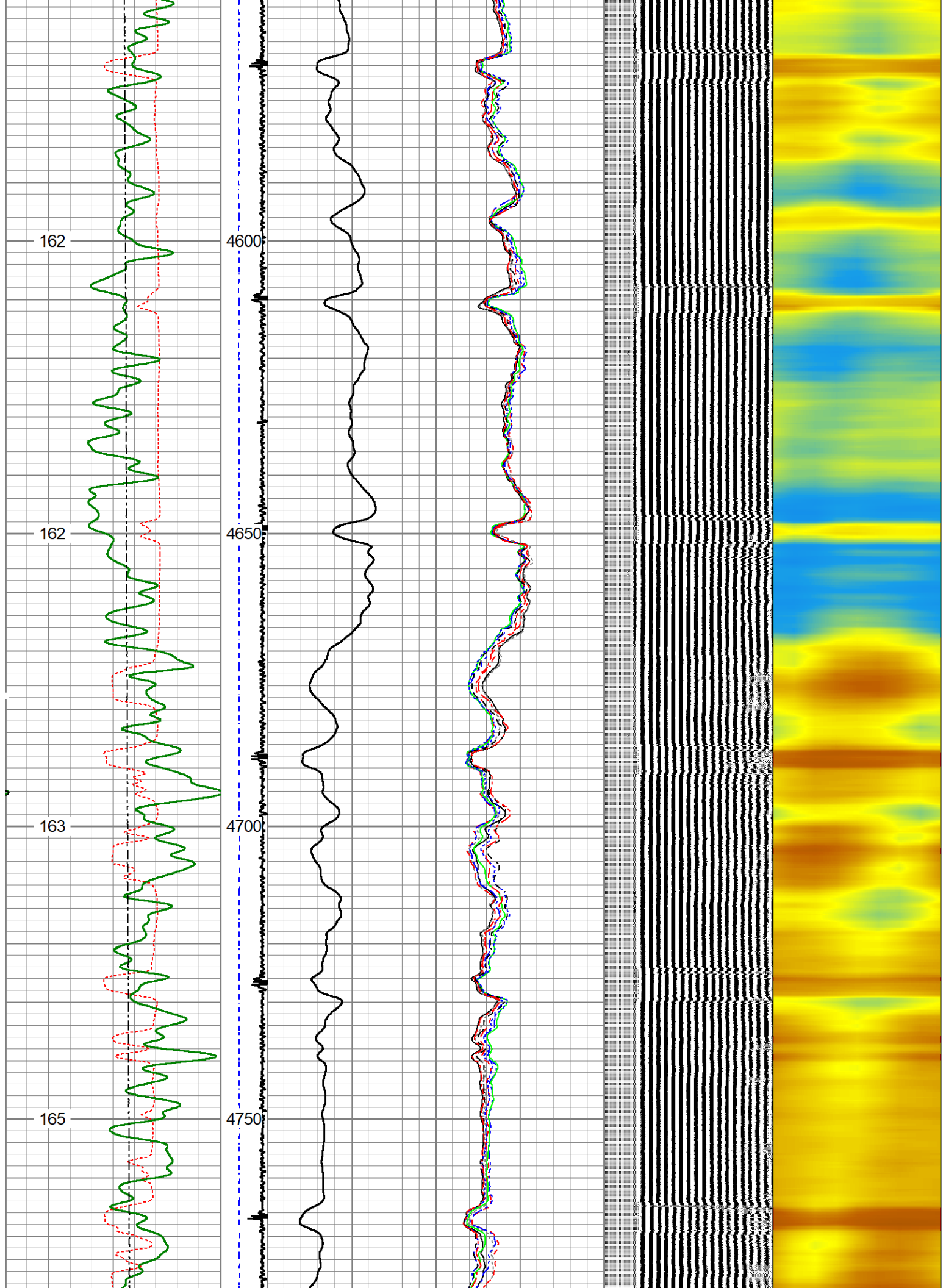


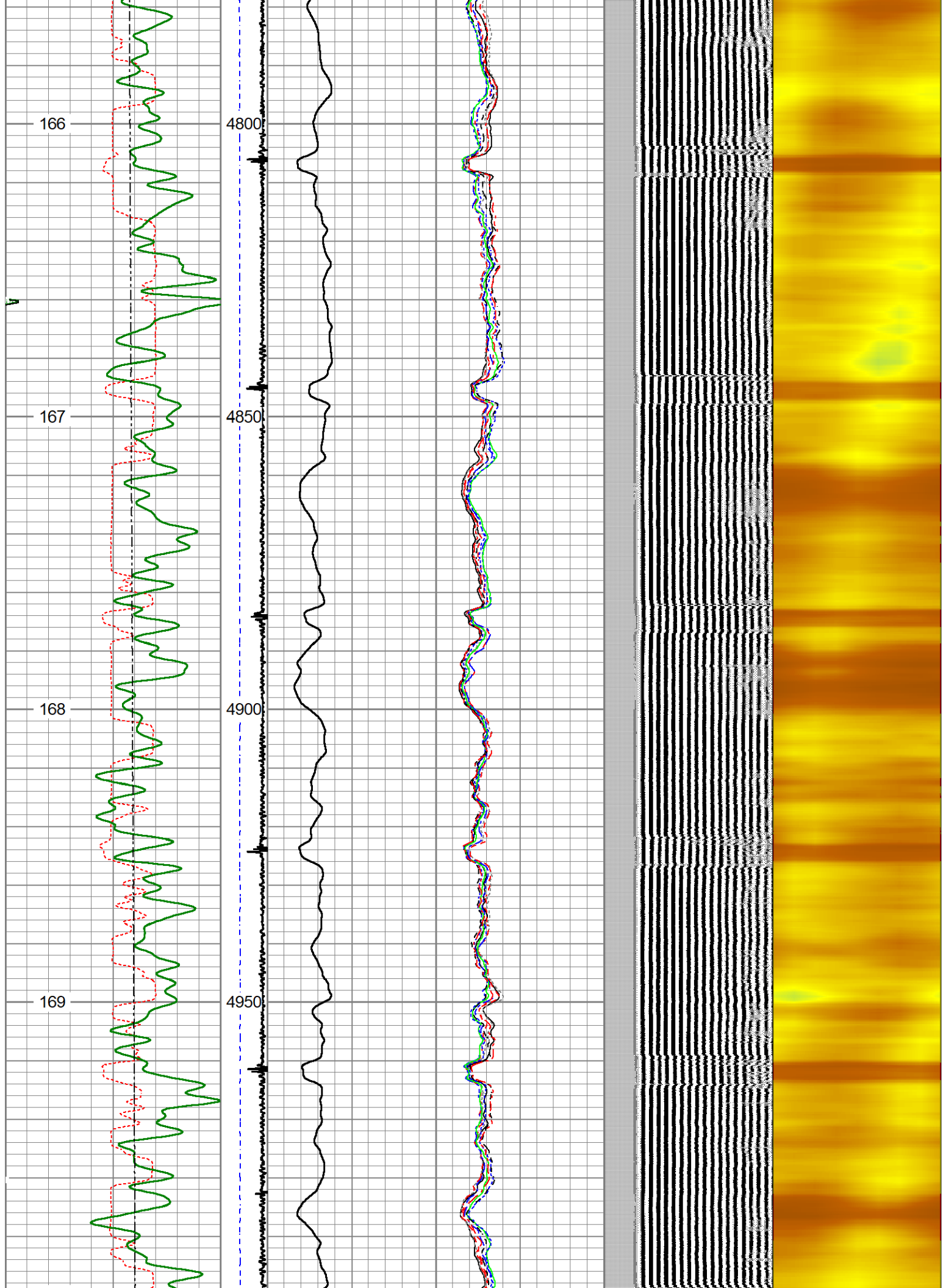


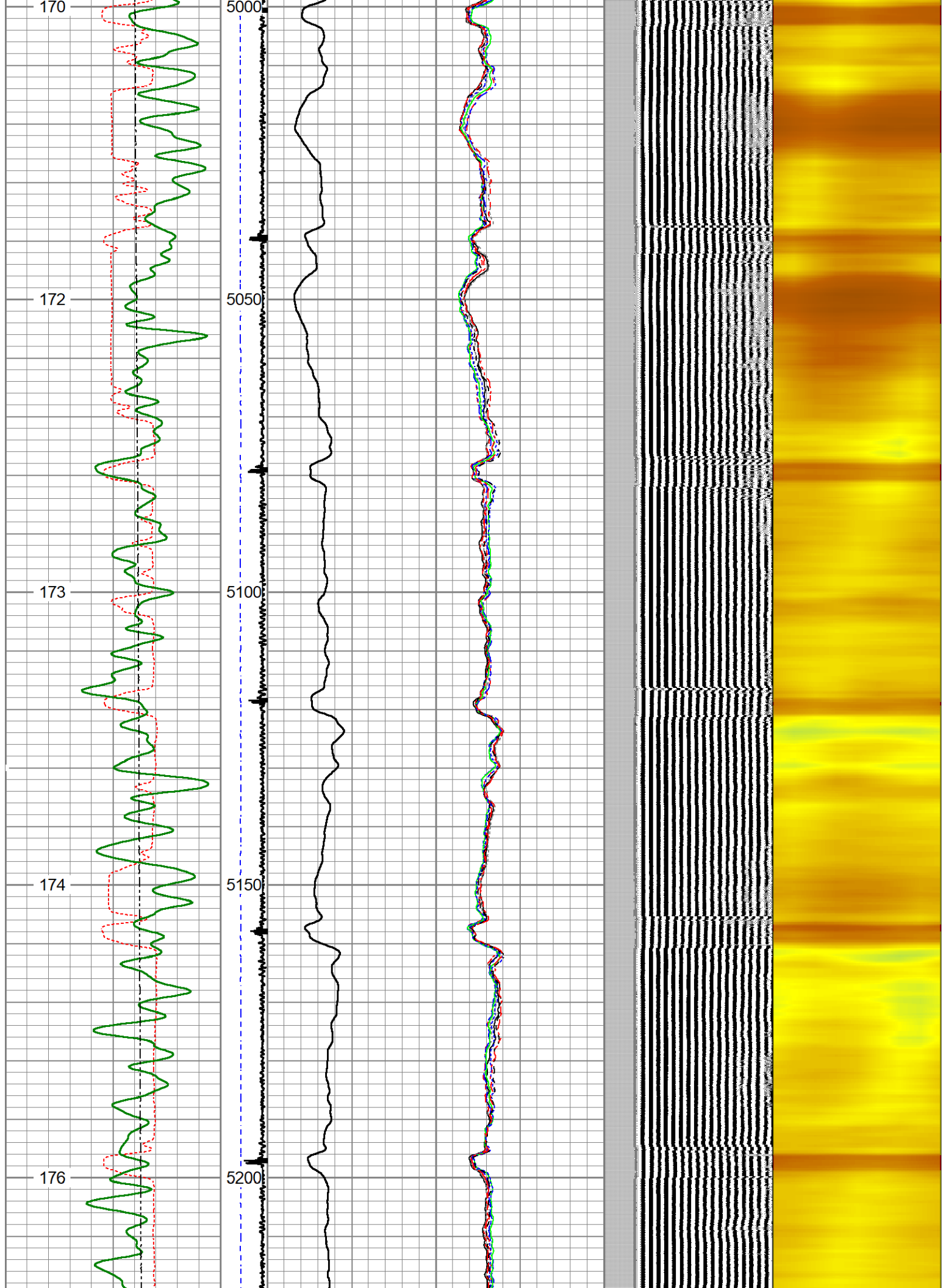


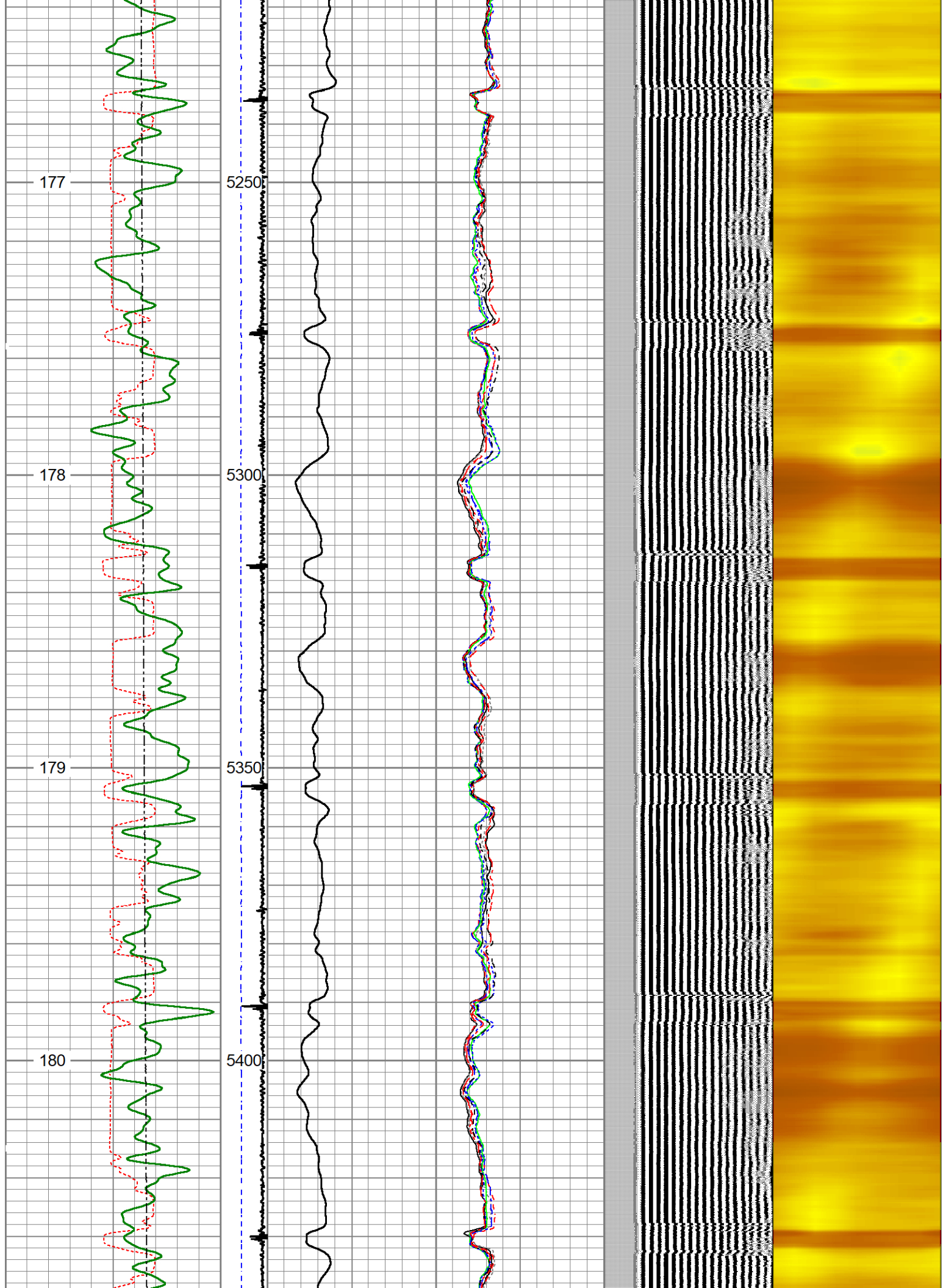


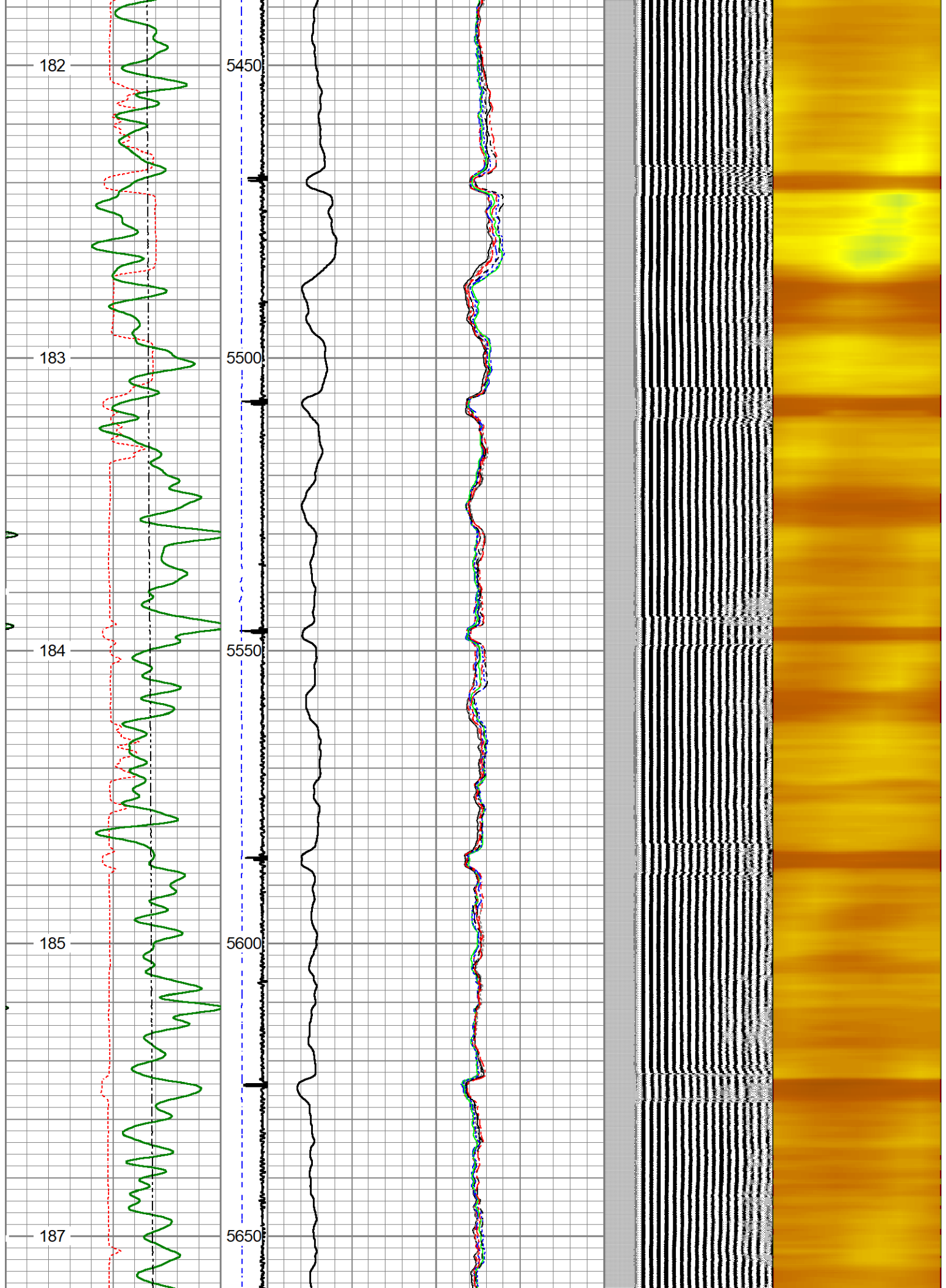


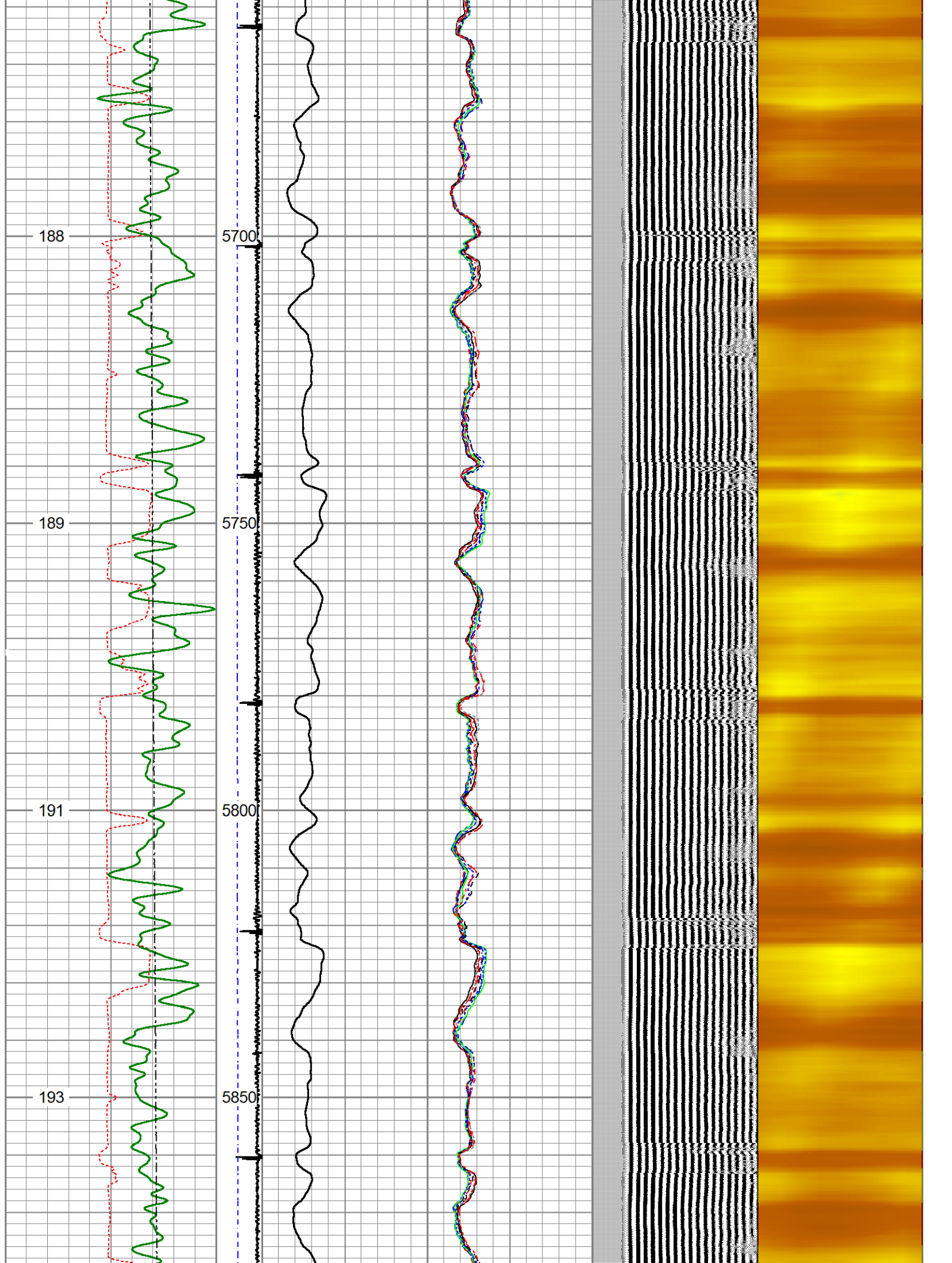


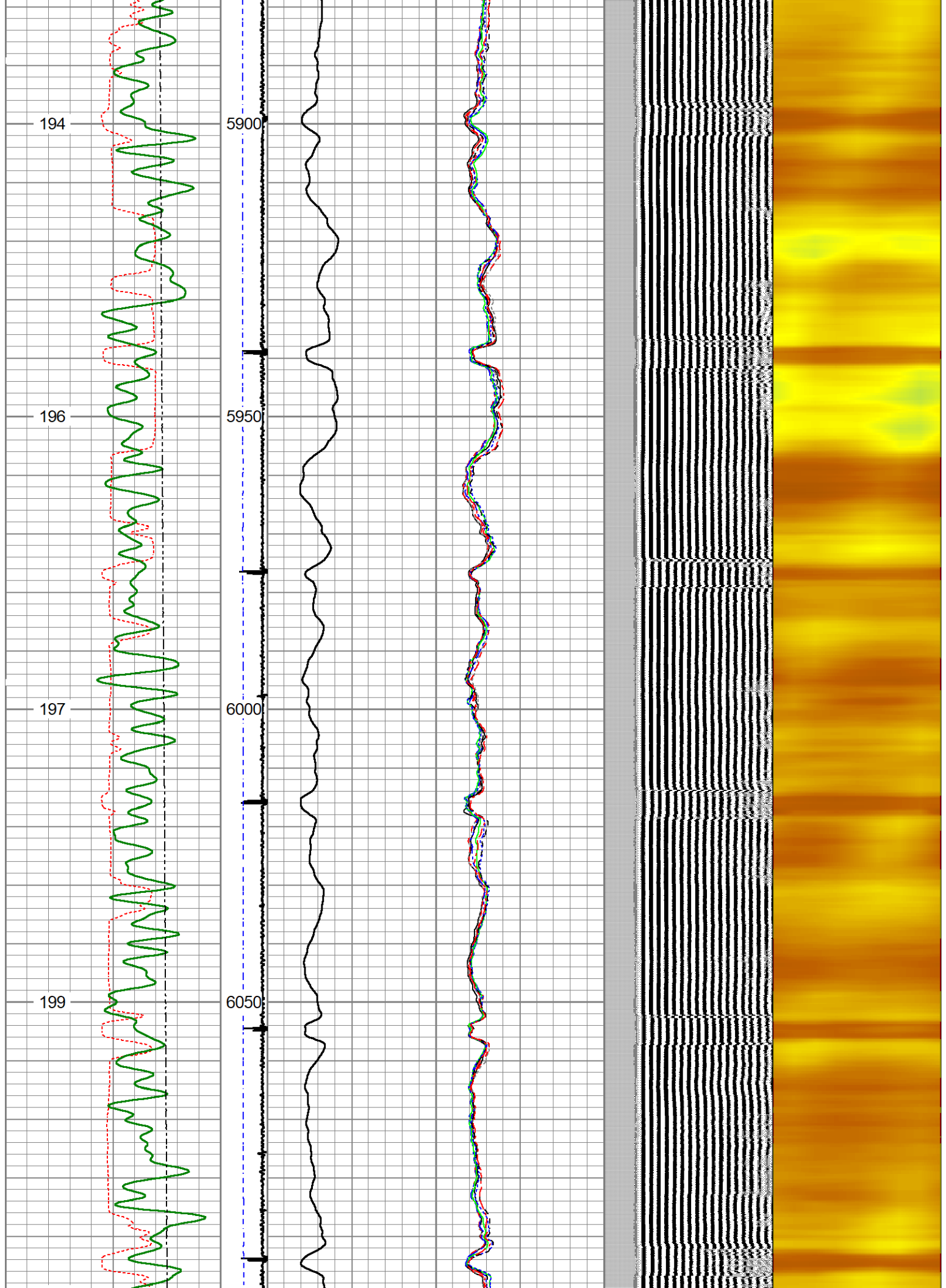


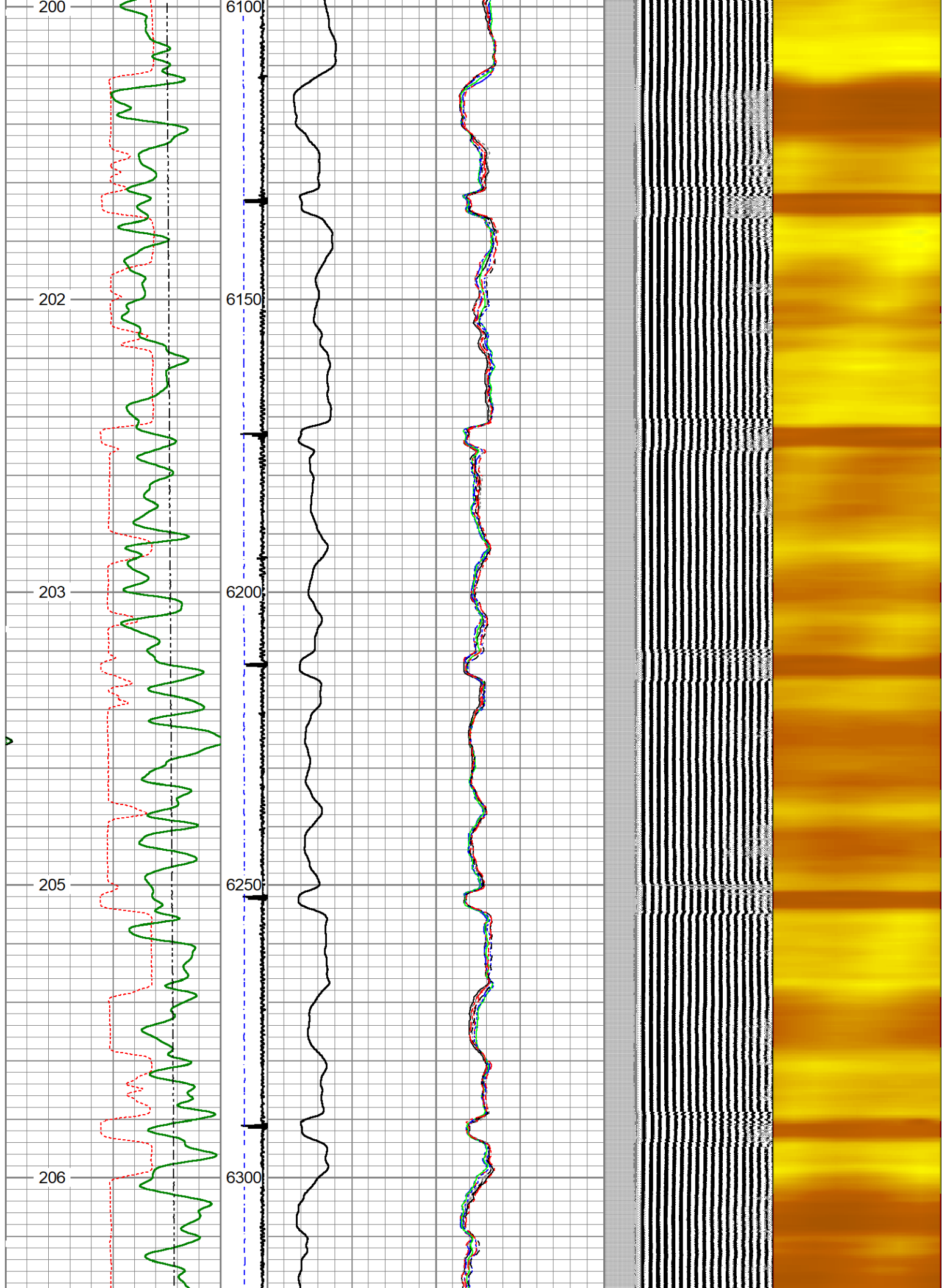


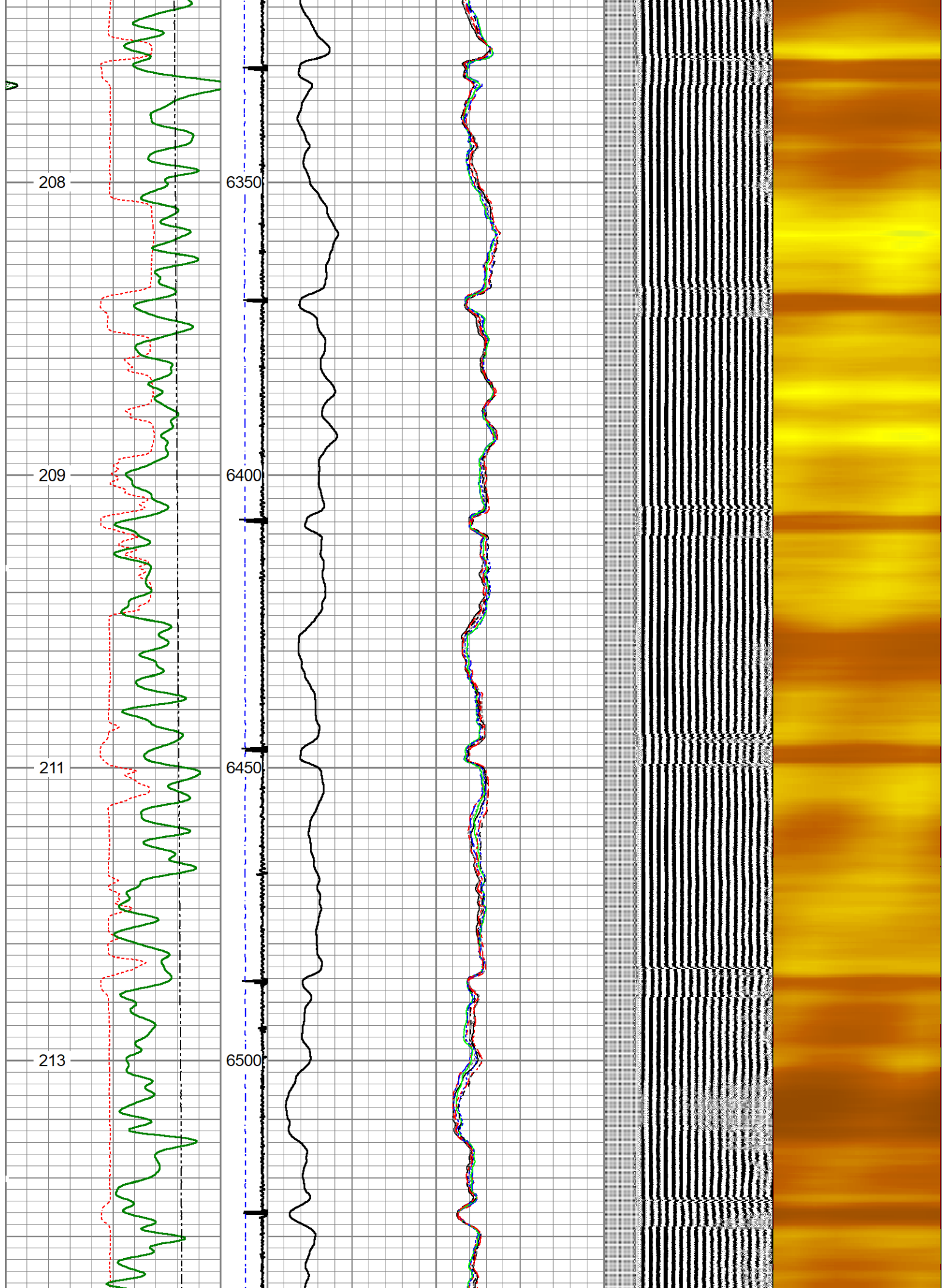


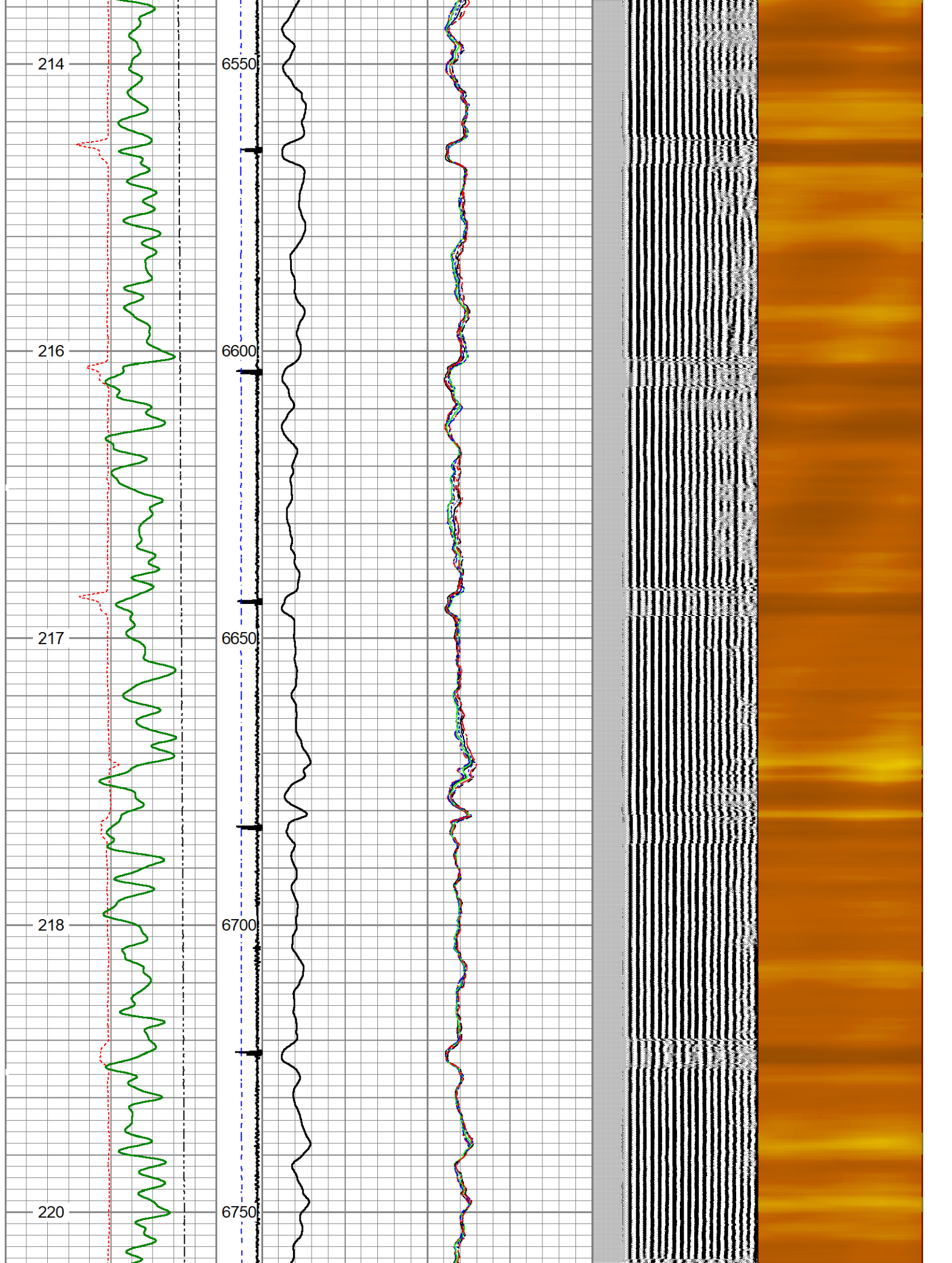


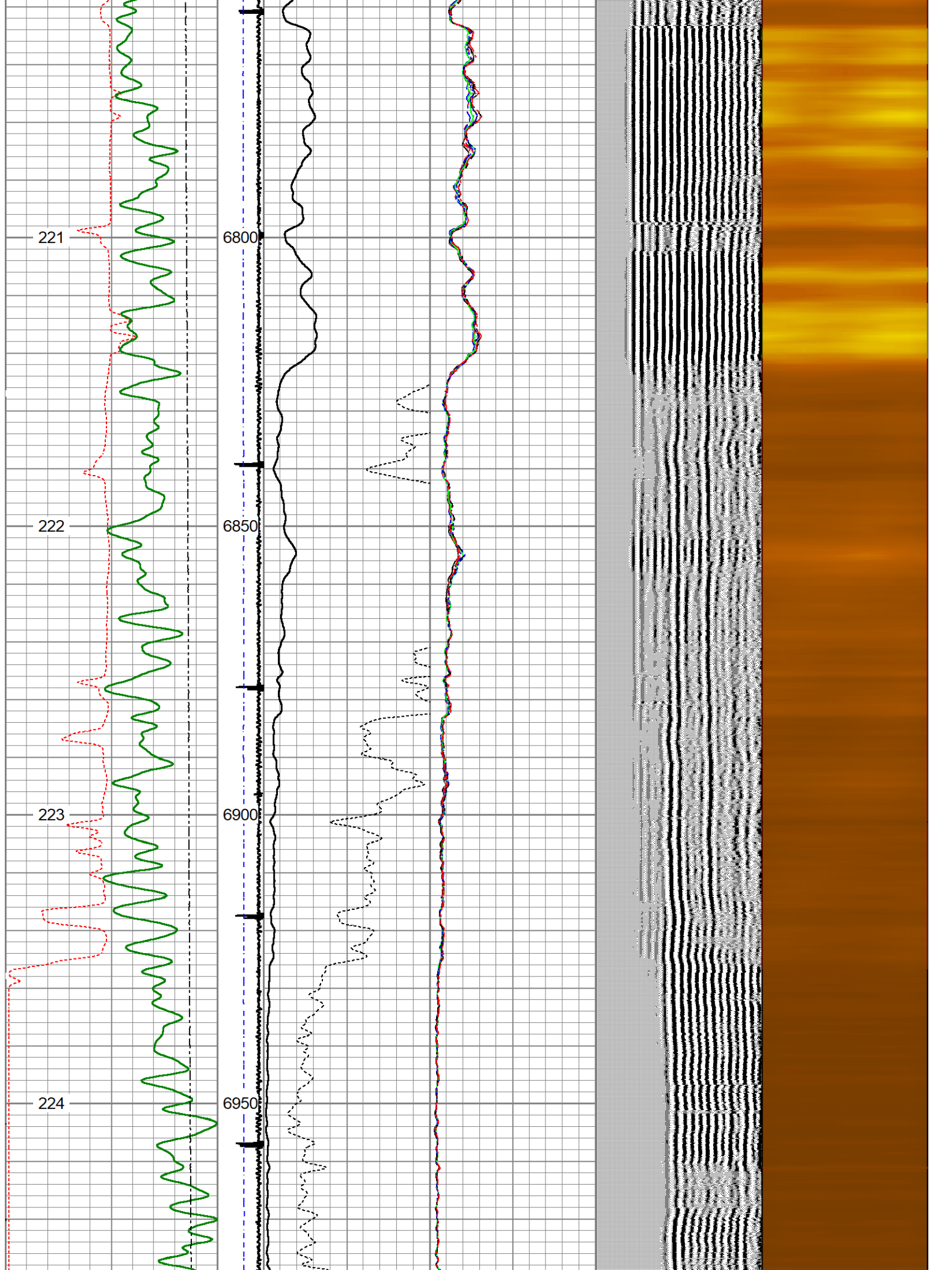


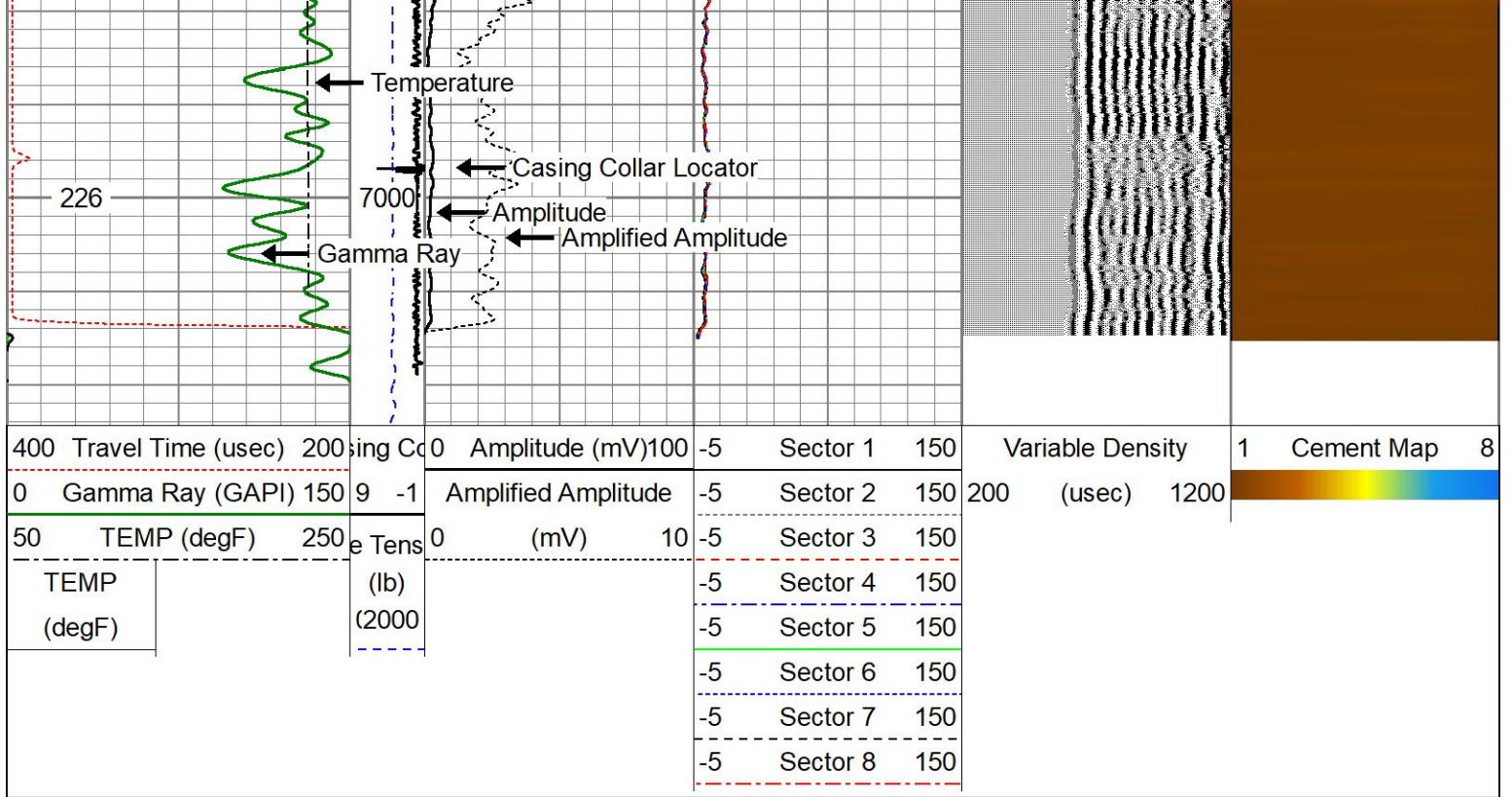












Calibration Report

Database File civitas_connell_x3-3-7-31_07-16-23.db
 Dataset Pathname pass10
 Dataset Creation Sun Jul 16 21:50:27 2023

Gamma Ray Calibration Report

Type / Serial: Probe275dig / 080831

SHOP CALIBRATION

(Not Performed)

	Counts/Sec.	Gain	Offset	Jig	Units
Background	0.0				cps
Calibrator	1.0				cps
		1.0000			GAPI/cps

PRIMARY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

BEFORE SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

AFTER SURVEY VERIFICATION

Background	0.0				cps
Calibrator	0.0				cps
Difference				0.0	GAPI

Segmented Cement Bond Log Calibration Report

Serial Number: FW1302-125
 Tool Model: Probe 2.75 Radii W/Temp

Calibration Casing Diameter: 4.500 in

Calibration Casing Diameter: 1.000 in
 Calibration Depth: 2434.600 ft

Master Calibration, performed Sun Jul 16 21:35:09 2023:


	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.014	0.751	1.000	81.196	108.831	-0.516
CAL	0.014	1.024				
5'	0.014	0.653	1.000	81.196	125.536	-0.758
SUM						
S1	0.021	0.746	0.000	100.000	137.991	-2.889
S2	0.014	0.759	0.000	100.000	134.313	-1.946
S3	0.015	0.771	0.000	100.000	132.313	-2.029
S4	0.015	0.772	0.000	100.000	132.116	-1.950
S5	0.014	0.754	0.000	100.000	135.112	-1.931
S6	0.014	0.734	0.000	100.000	138.937	-1.978
S7	0.013	0.707	0.000	100.000	144.094	-1.923
S8	0.011	0.705	0.000	100.000	144.159	-1.615

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.014	1.024	1.000	0.000

Air Zero Calibration, performed Mon Aug 29 10:00:42 2022:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Gain	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	Length (ft)	O.D. (in)	Weight (lb)
HeadVolt	15.73		CHD-Titan Titan 1 7/16" GO Cablehead	1.00	1.44	5.00
Temp	12.88					

