



Radial Cement Bond
w/Variable Density,
Gamma Ray, CCL, Temp Log
Final Print 0 PSI

Company	Great Western Oil & Gas
Well	Schneider HD 11-142HN
Field	Wattenberg
County	Weld
State	Colorado

Location:	API # : 05-123-46418	Other Services
	NWSW	Gauge Ring
	40.324256/-104.826473	
Permanent Datum	SEC 7 TWP 4N RGE 66W	Elevation 4735'
Log Measured From	KB	K.B. 4755'
Drilling Measured From	KB	D.F. 4735'

Date	Nov 30 2019
Run Number	One
Depth Driller	17687'
Depth Logger	7478'
Bottom Logged Interval	7476'
Top Log Interval	Surface
Open Hole Size	8 1/2"
Type Fluid	Water
Density / Viscosity	
Max. Recorded Temp.	245 Deg F
Estimated Cement Top	
Time Well Ready	20:00
Time Logger on Bottom	20:30
Equipment Number	60
Location	Platteville, CO
Recorded By	S. Cornett
Witnessed By	E. Savoya

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	1598'
Prot. String							
Production String	5 1/2"			17#		Surface	17687'
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 Correlated to Short Joint at 6901'-6911'

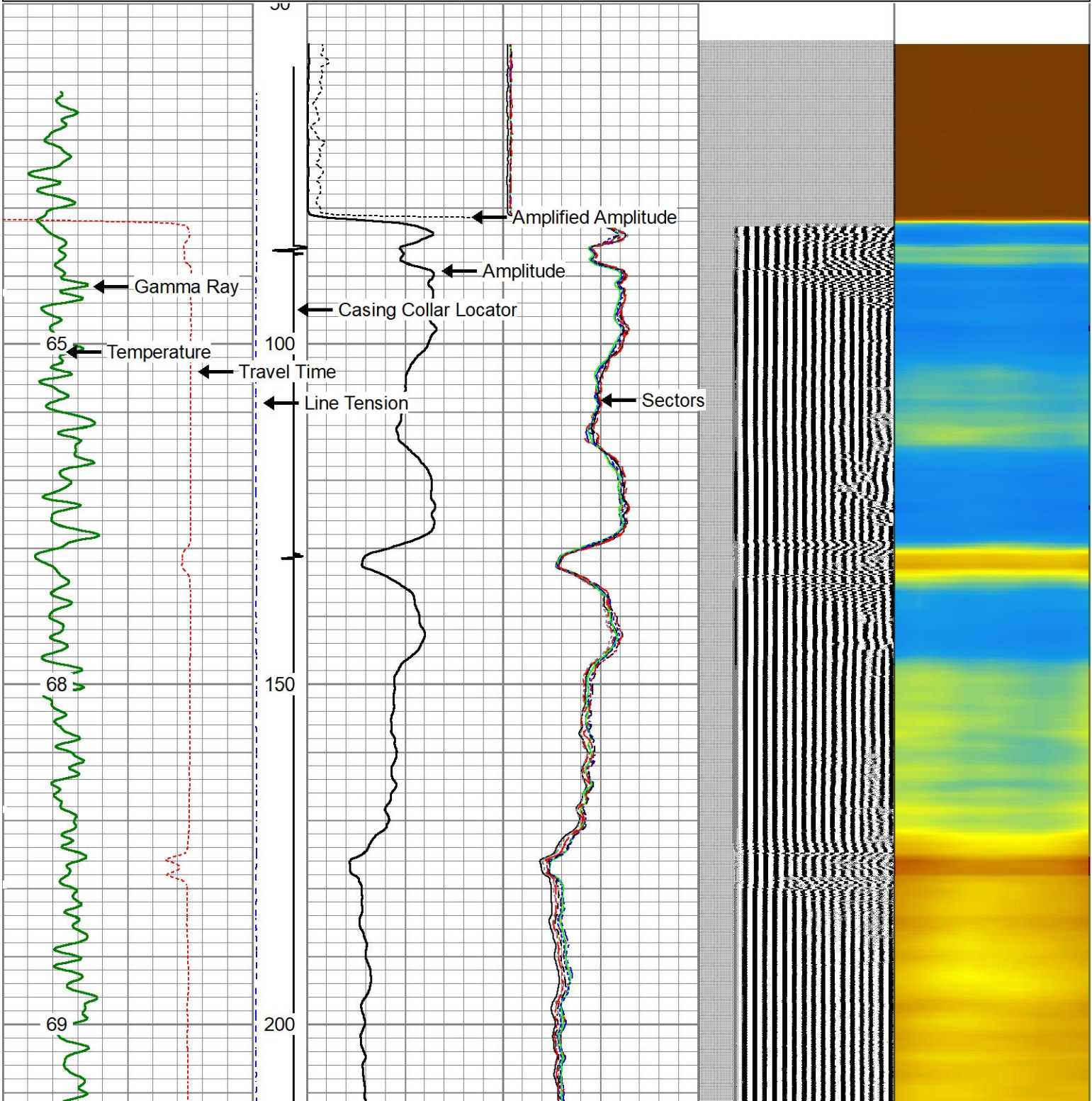
Thank you for using KLX Energy Services

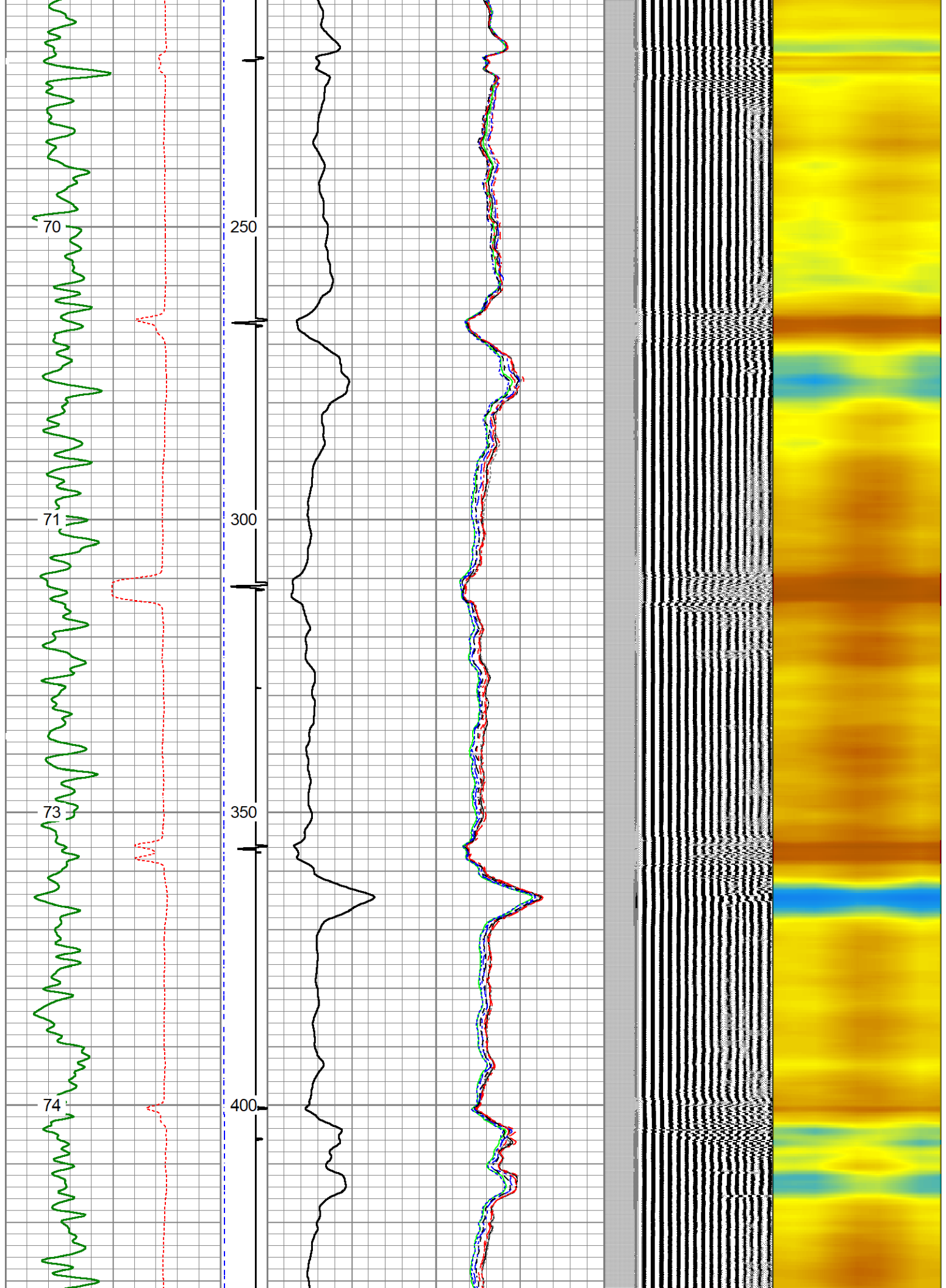


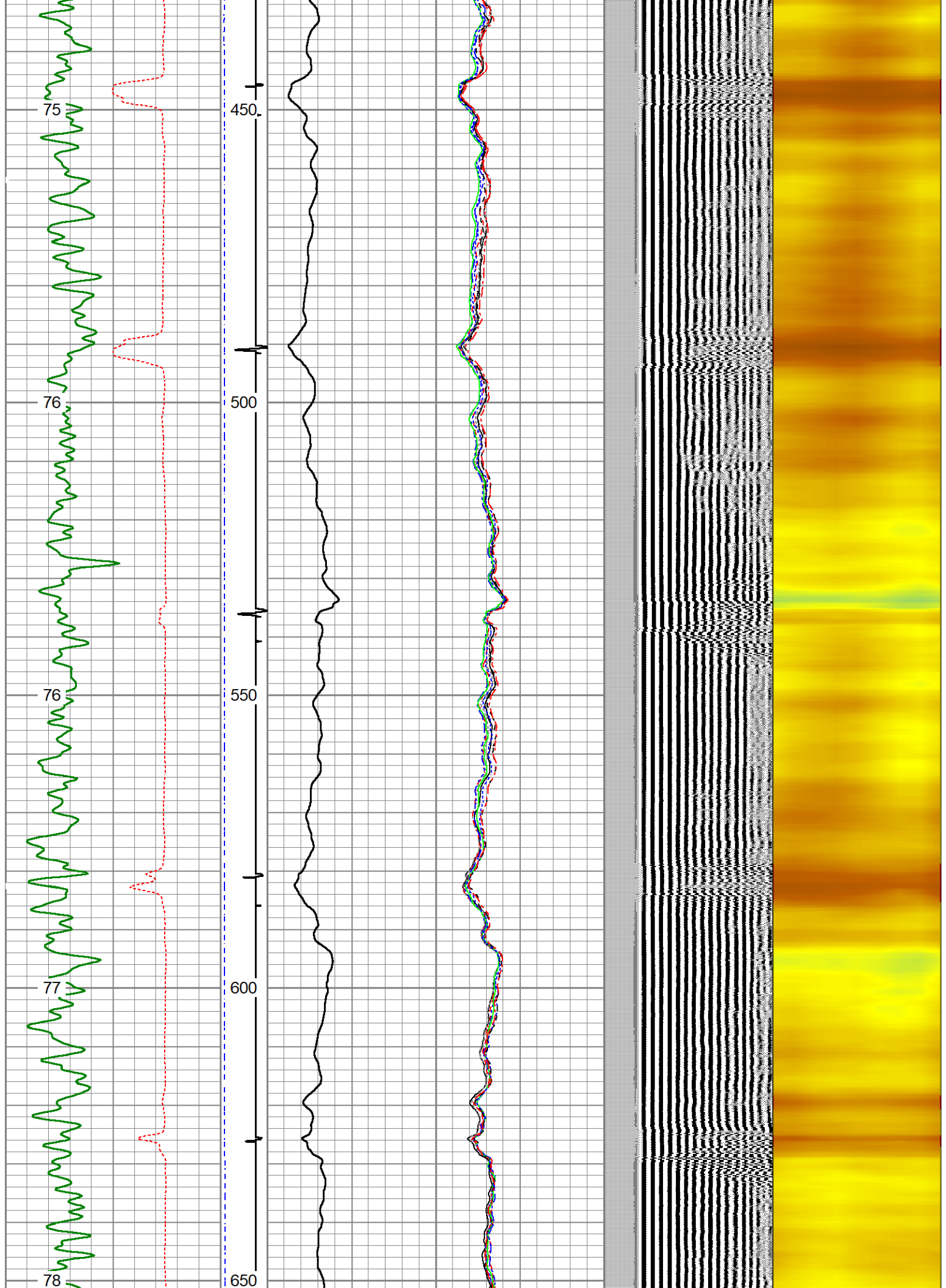
Main Pass

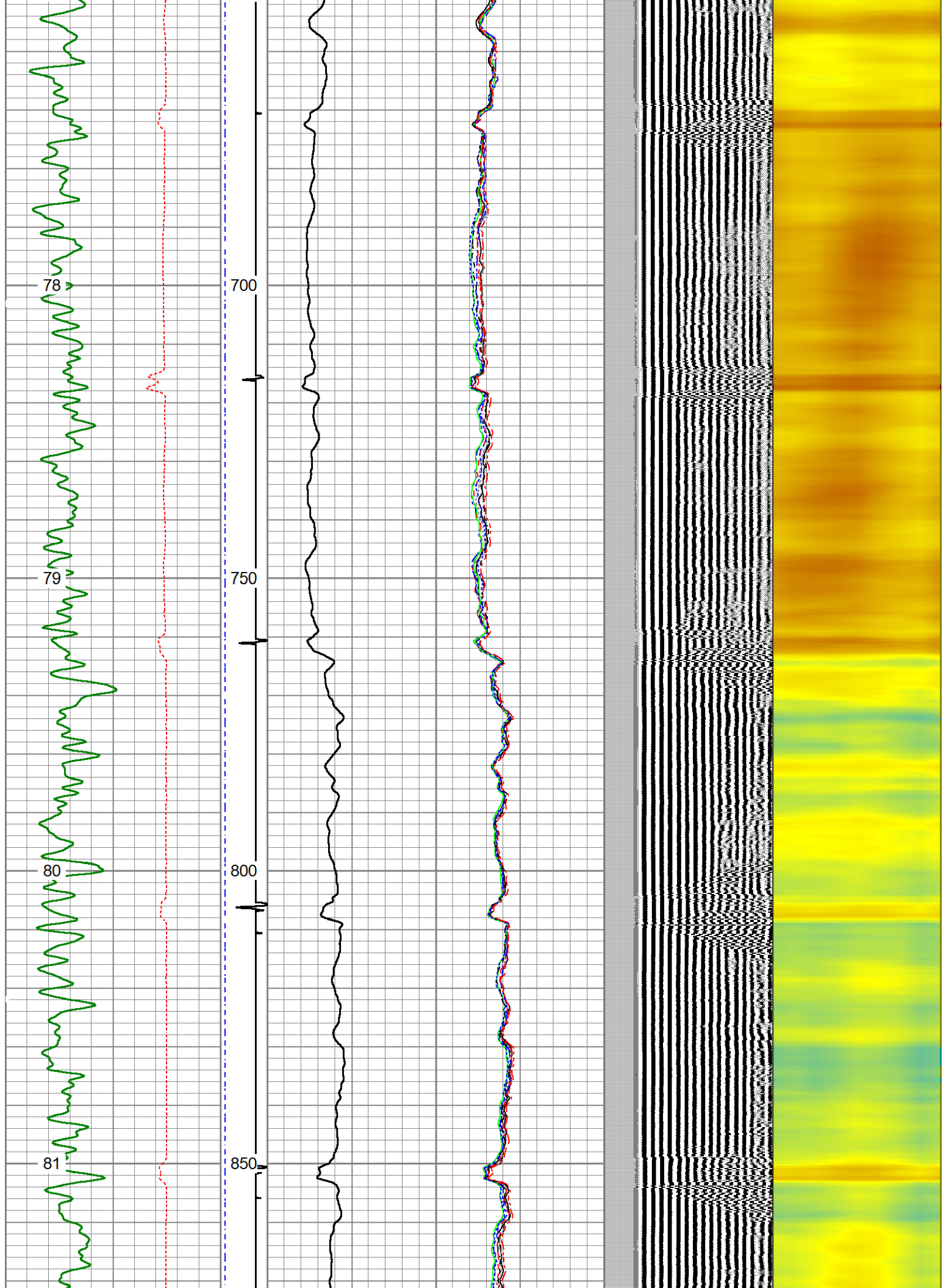
0 PSI 5"=100'

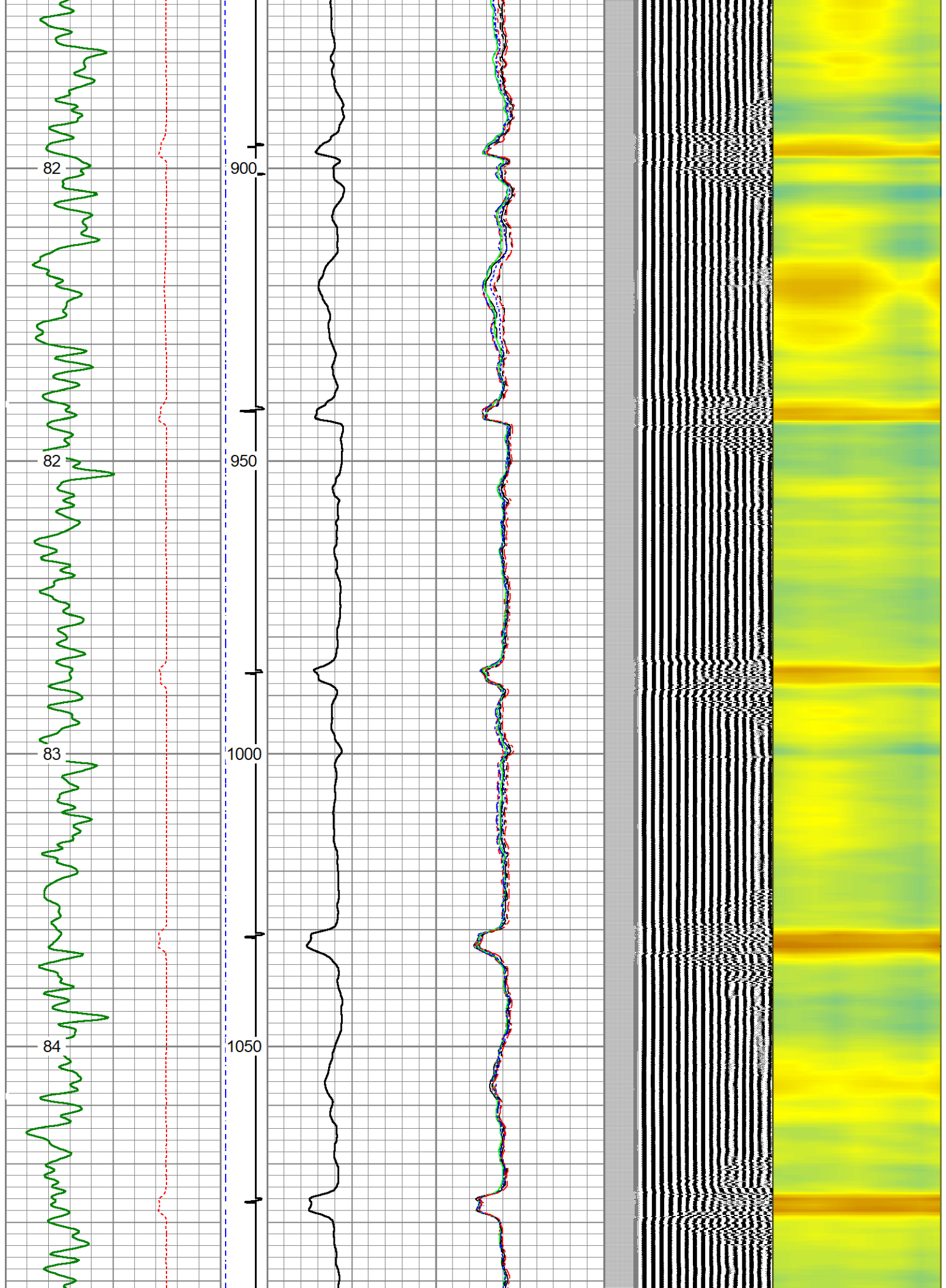
Database File		schneider_hd_11_142hn_rcbl.db												
Dataset Pathname		pass6.1												
Presentation Format		scbl03												
Dataset Creation		Sat Nov 30 23:37:43 2019												
Charted by		Depth in Feet scaled 1:240												
420	Travel Time (usec)	220	CCL	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density		1	Cement Map	8
0	Gamma Ray (GAPI)	150	3 -1		Amplified Amplitude		-5	Sector 2	150	200	(usec)	1200		
Temp			LTEN	0	(mV)	10	-5	Sector 3	150					
(degF)			(lb)				-5	Sector 4	150					
			(3000				-5	Sector 5	150					
							-5	Sector 6	150					
							-5	Sector 7	150					
							-5	Sector 8	150					

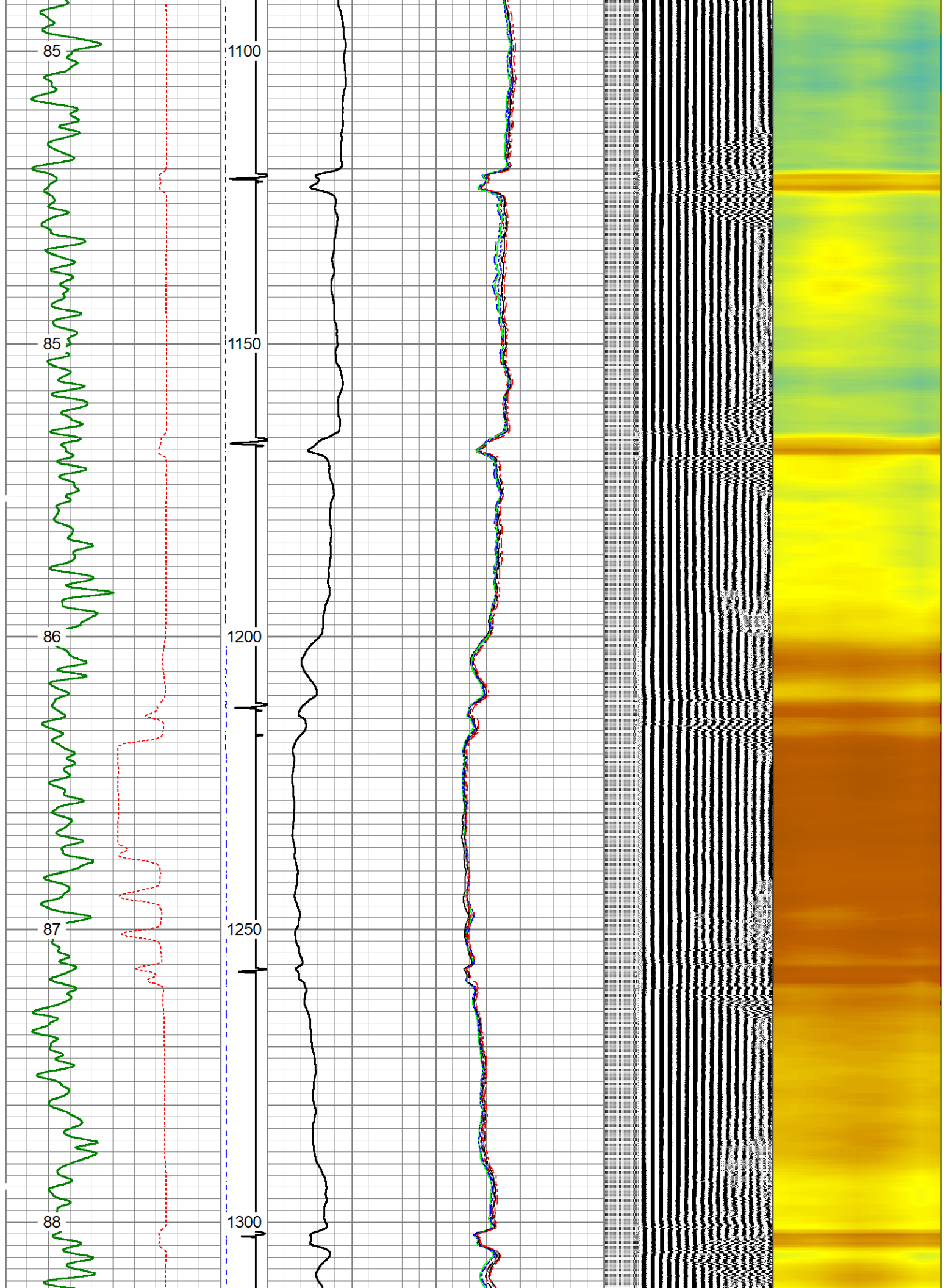


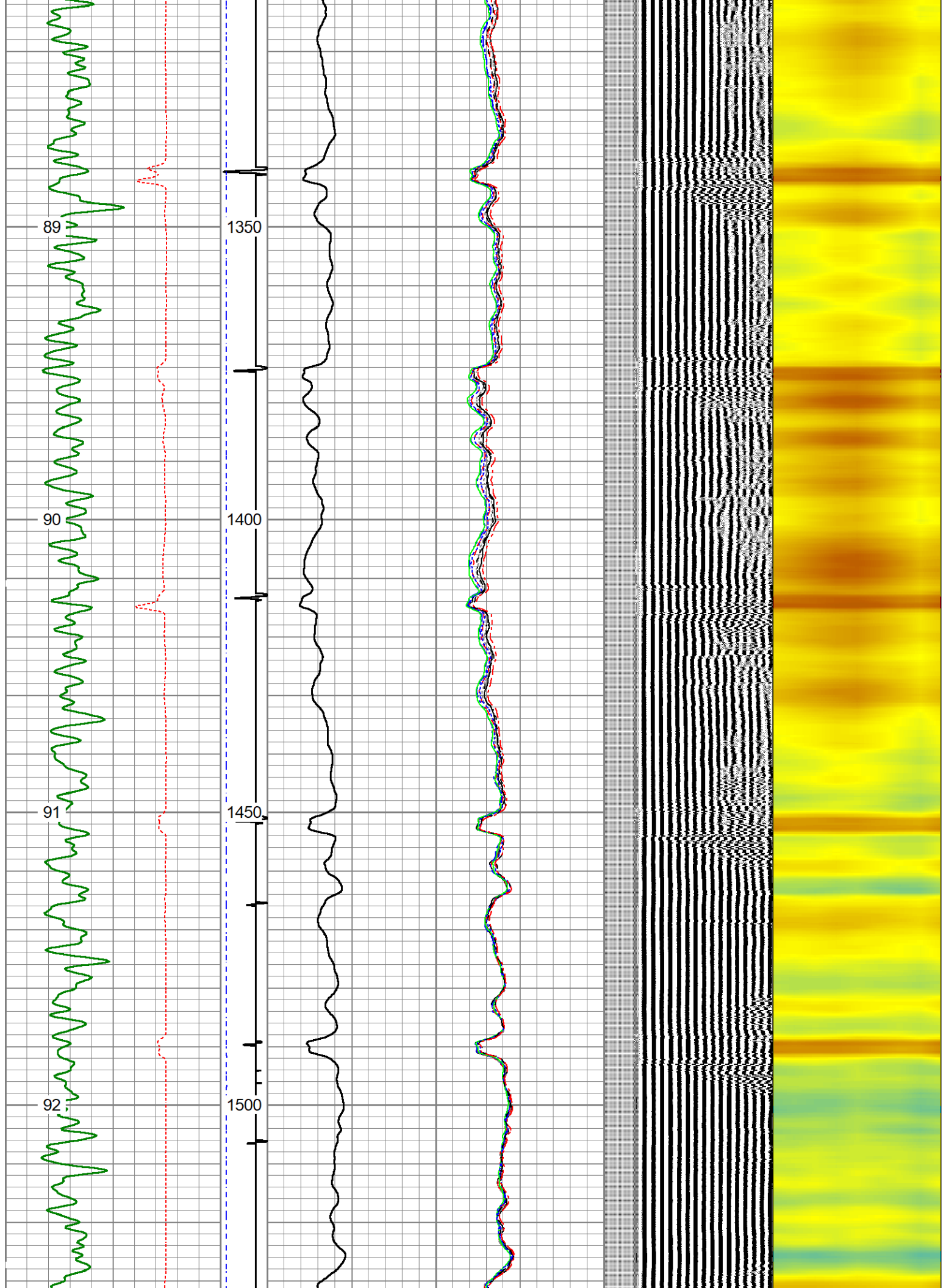


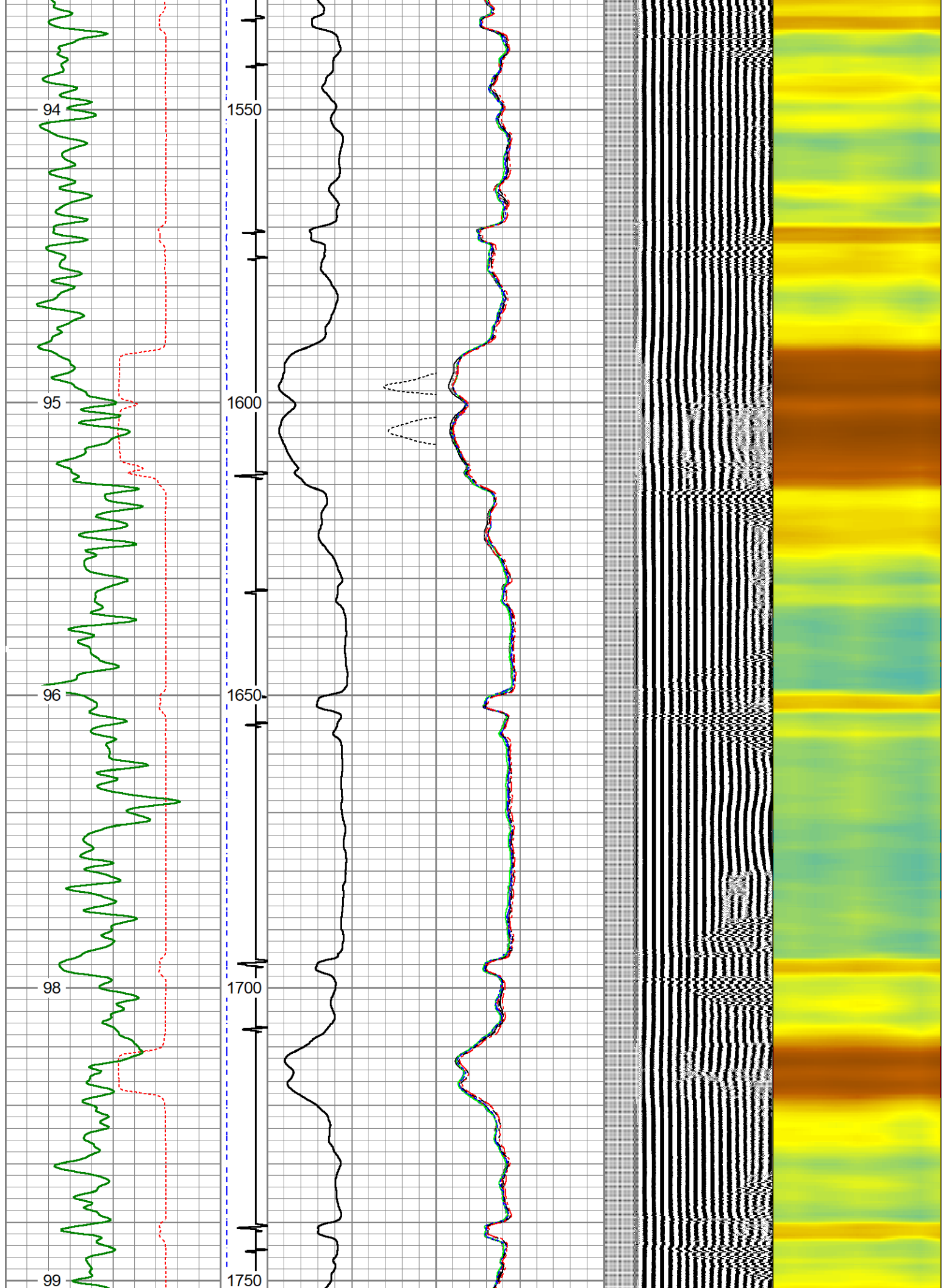


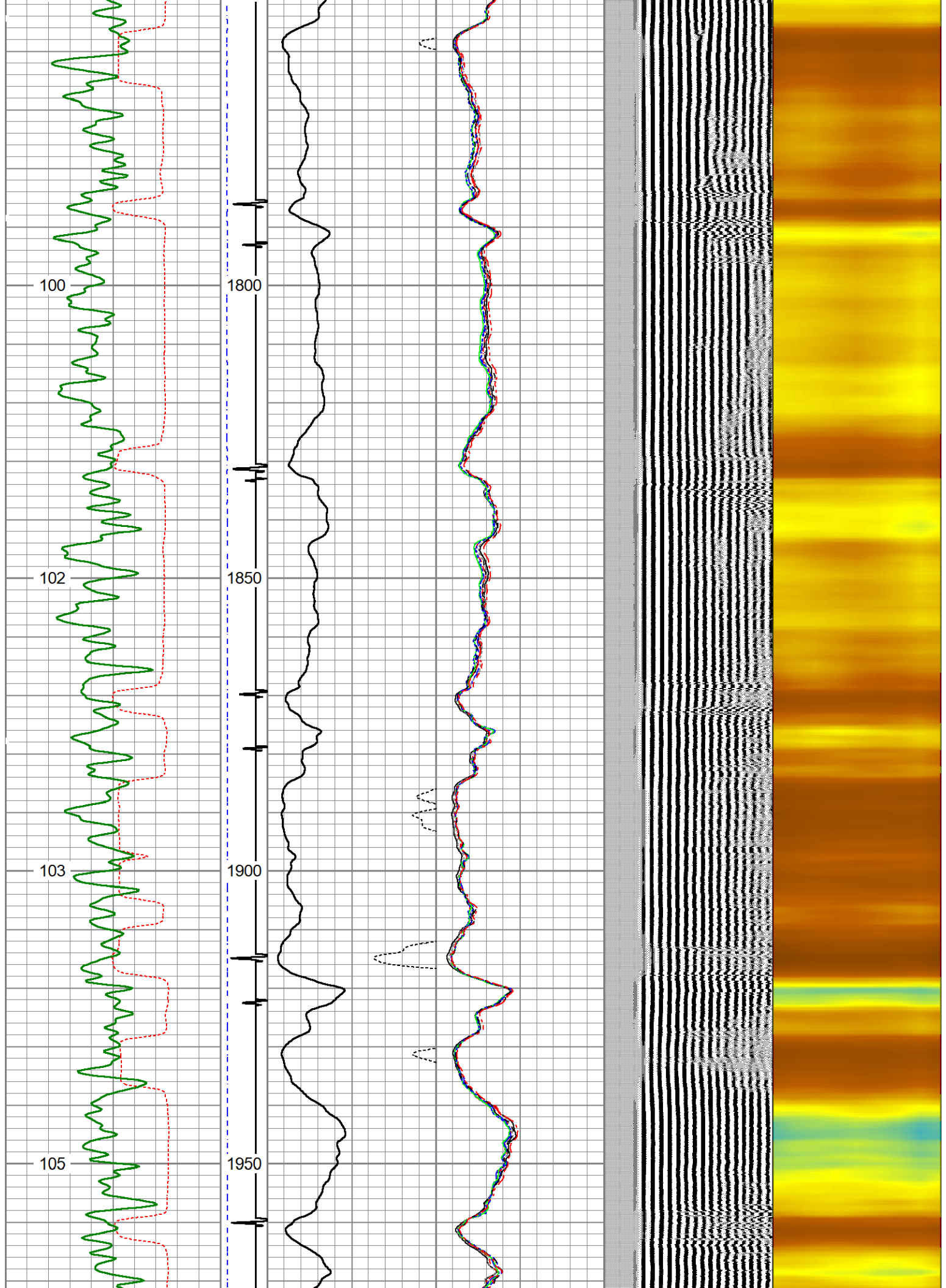


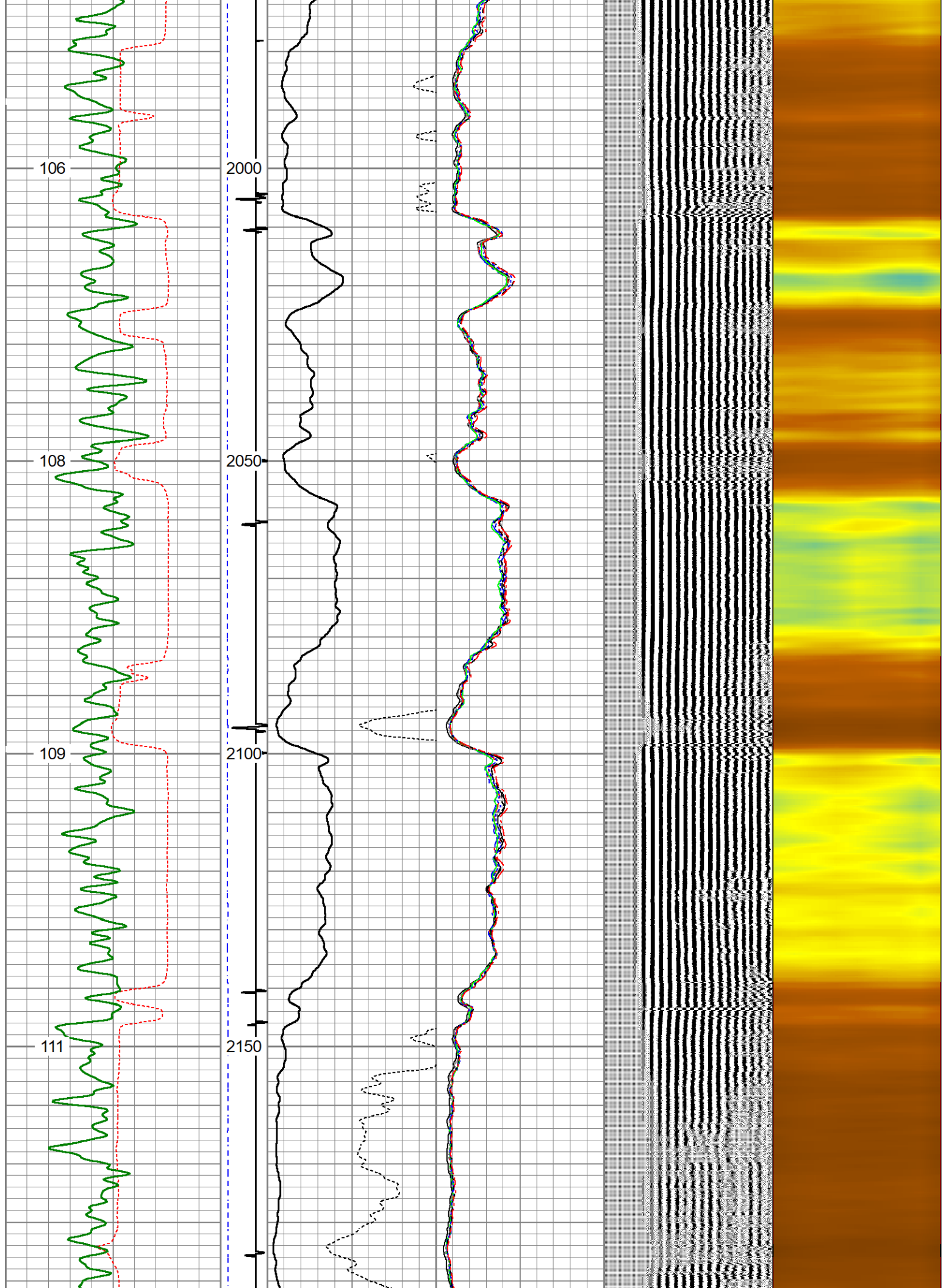


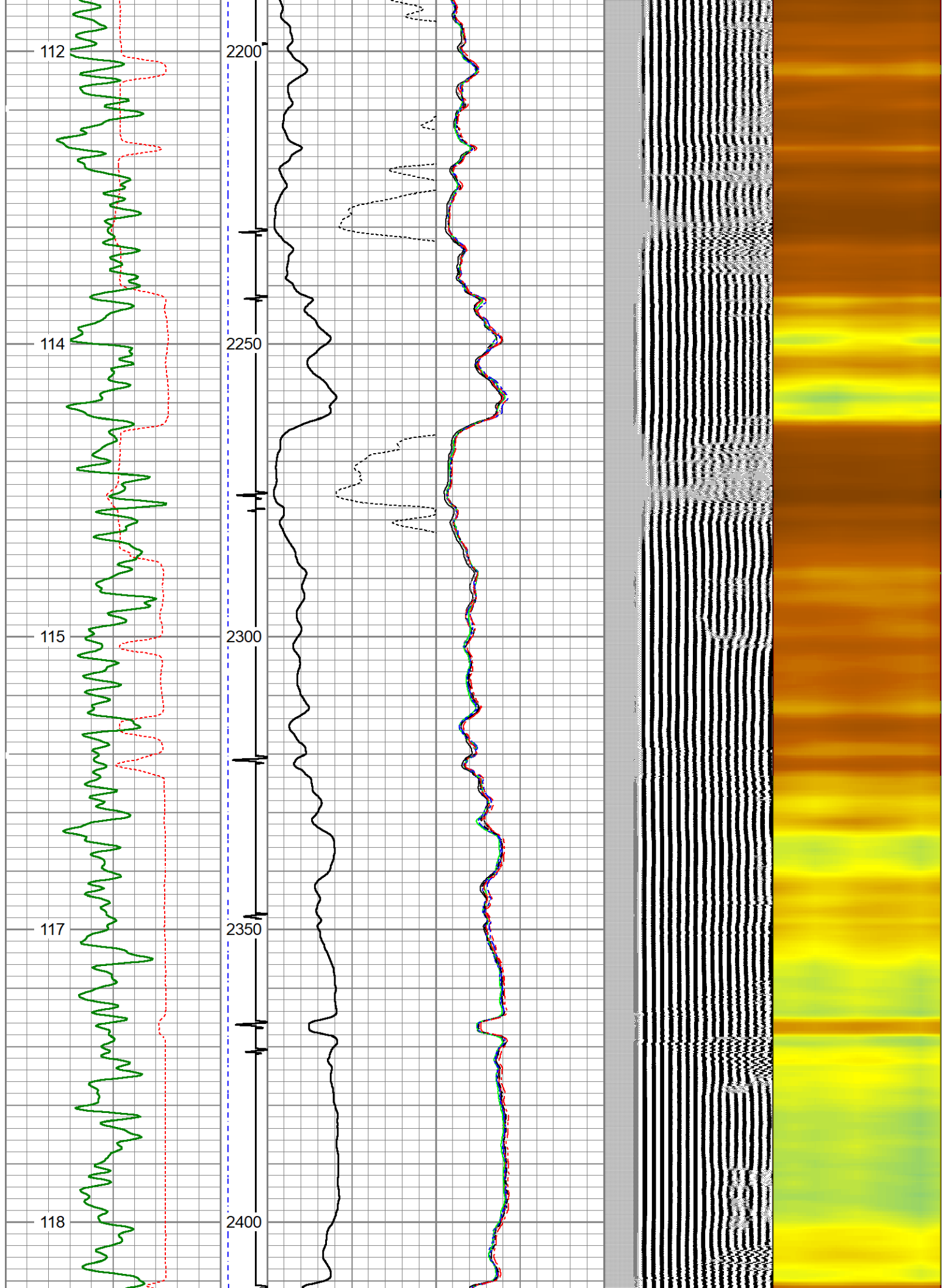


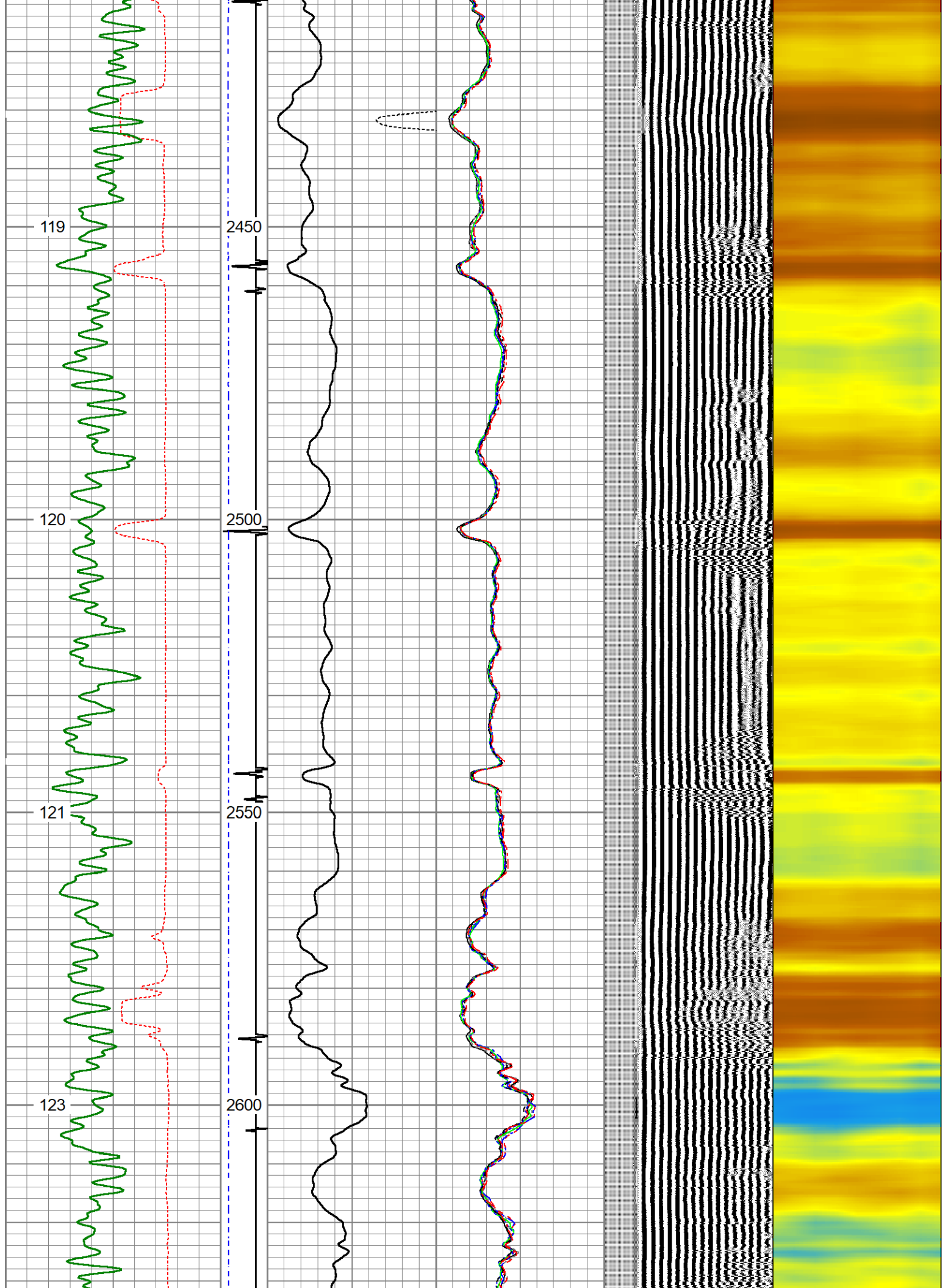


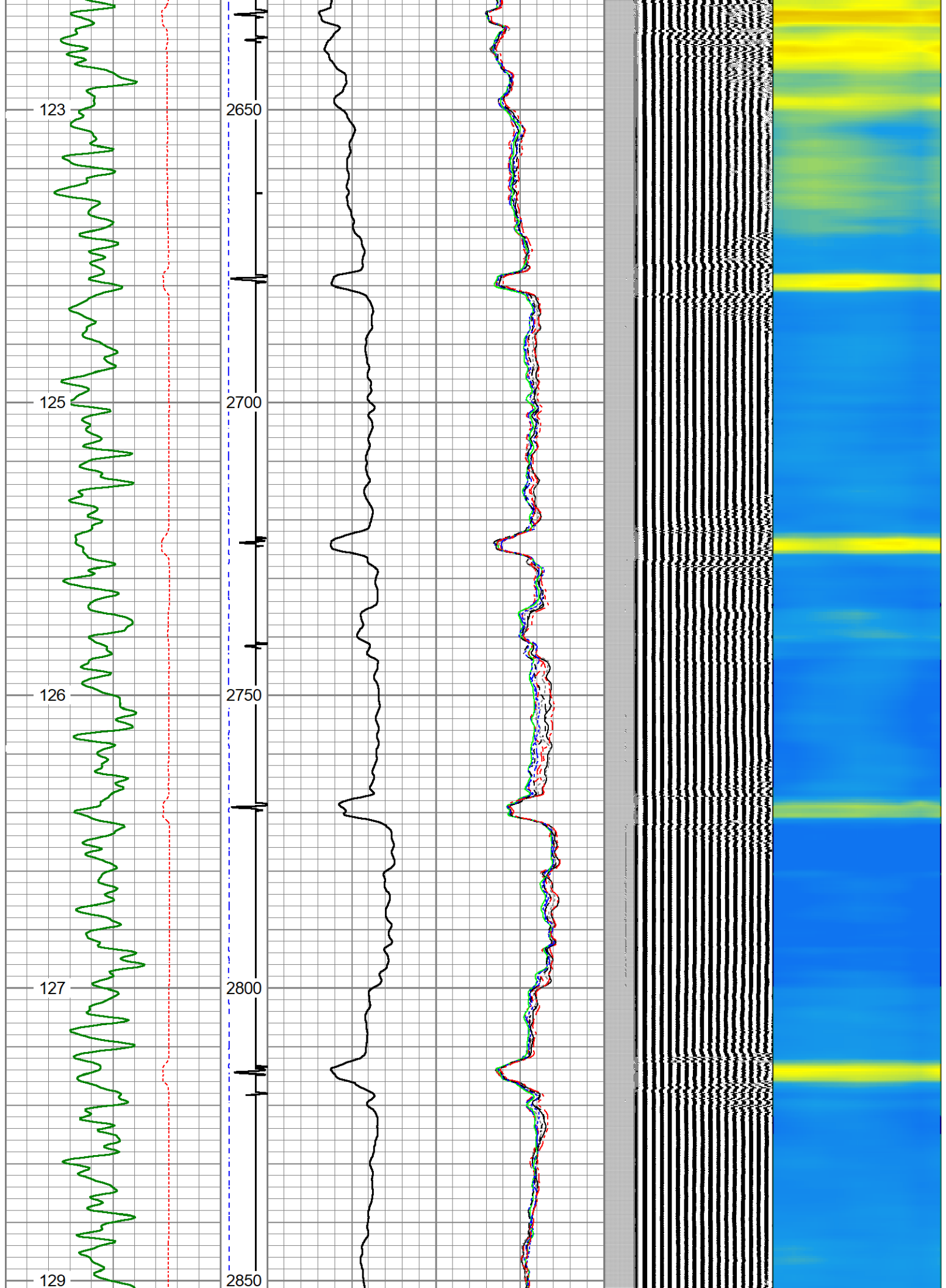


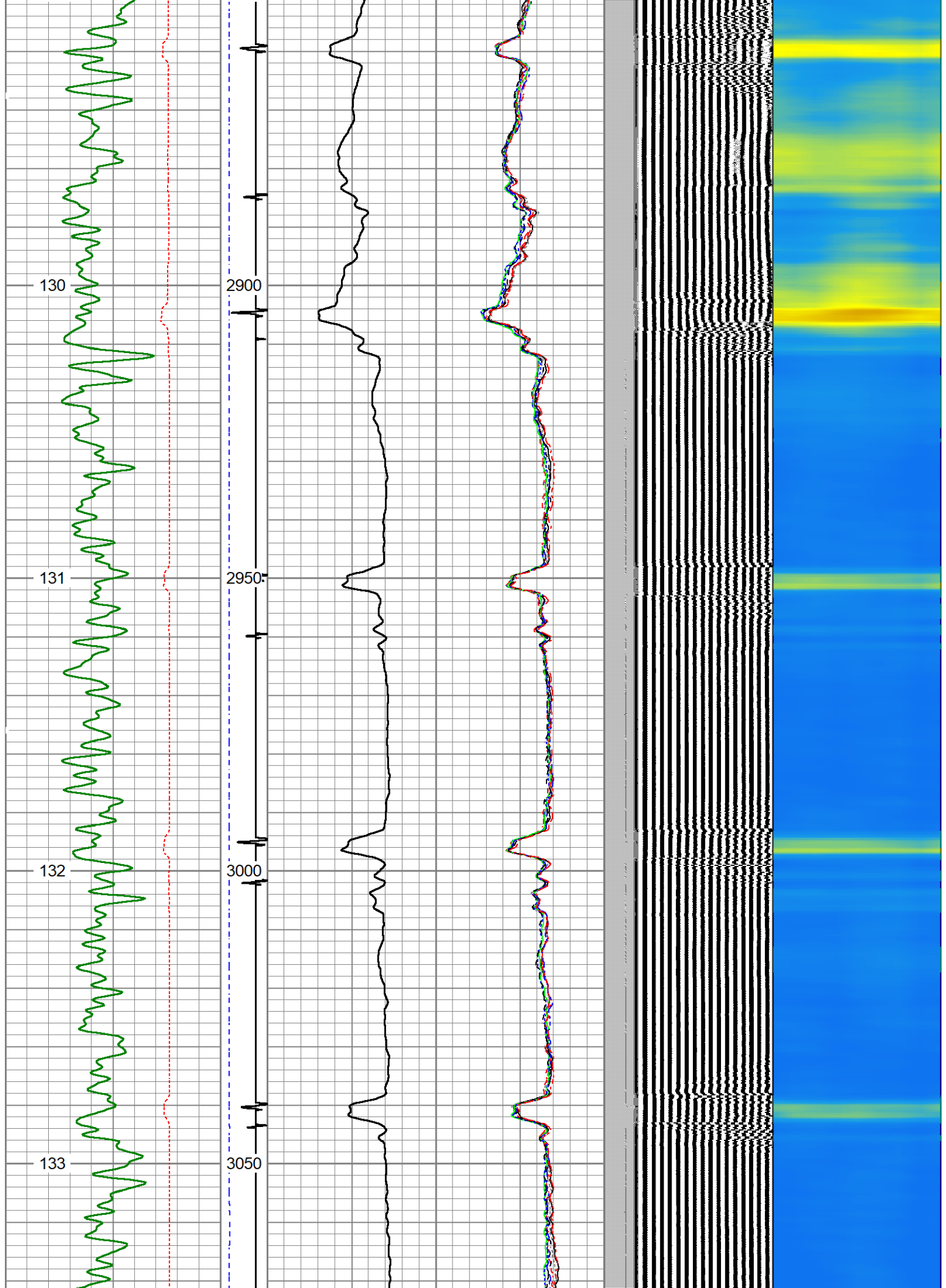


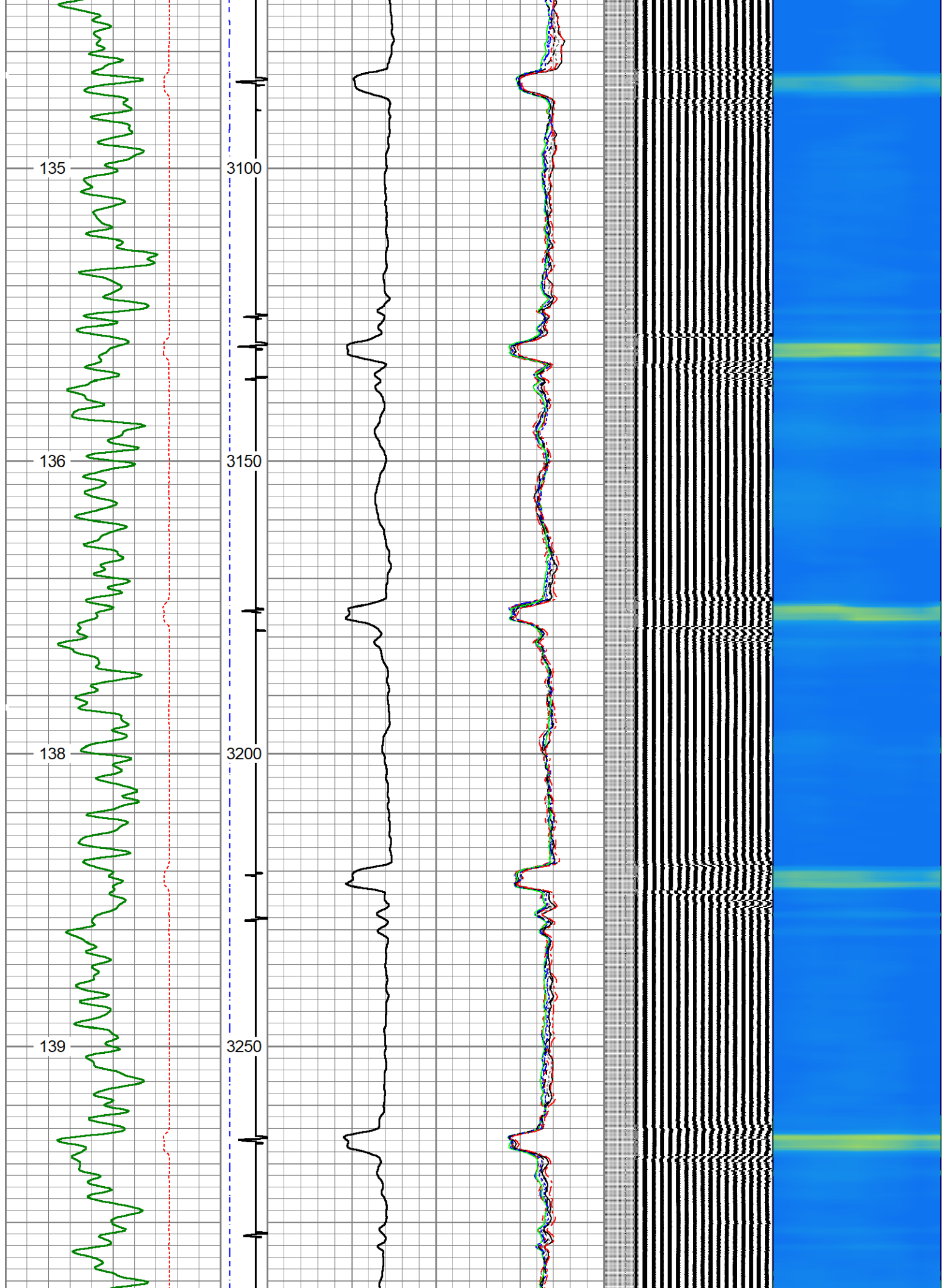


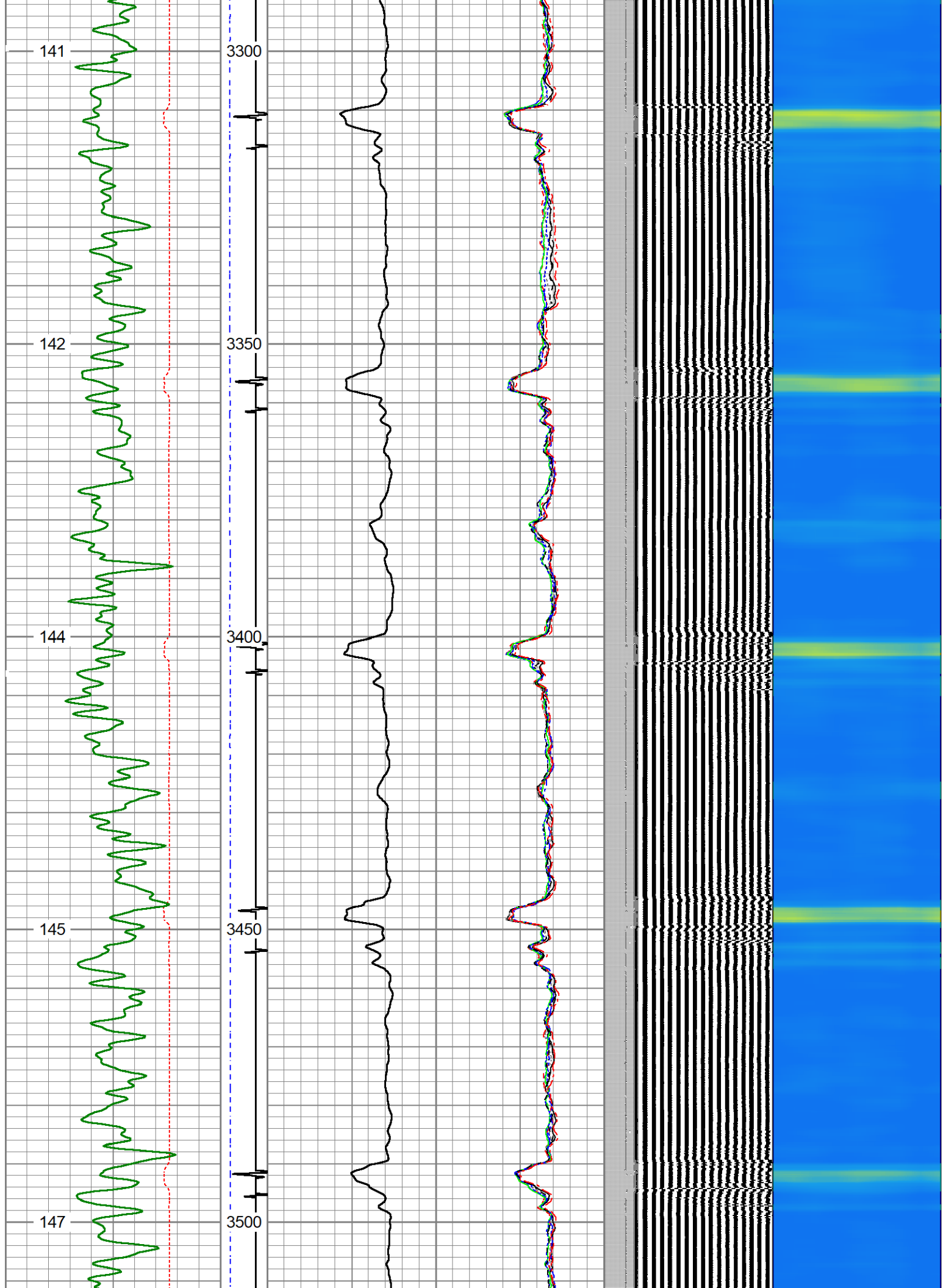


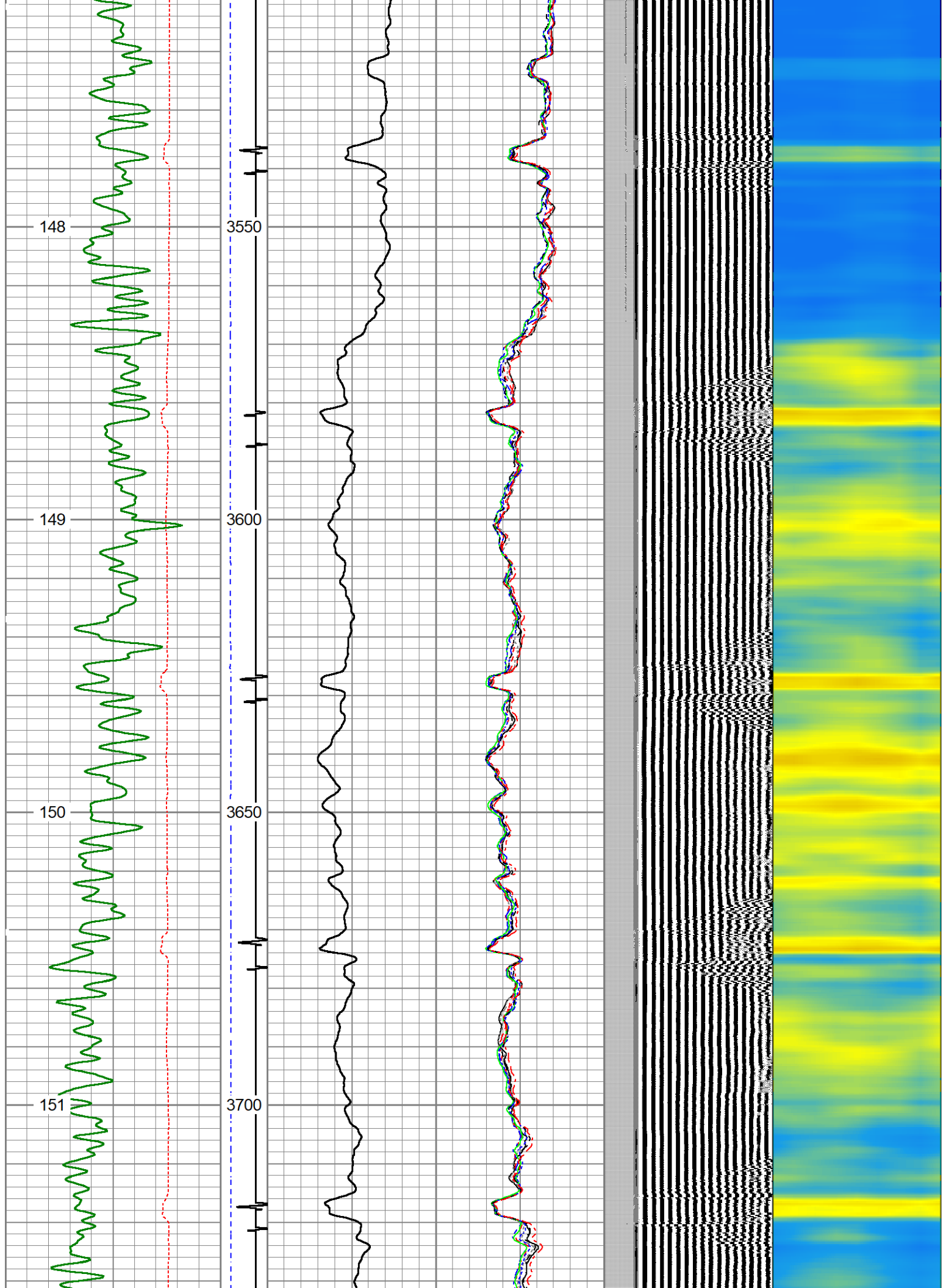


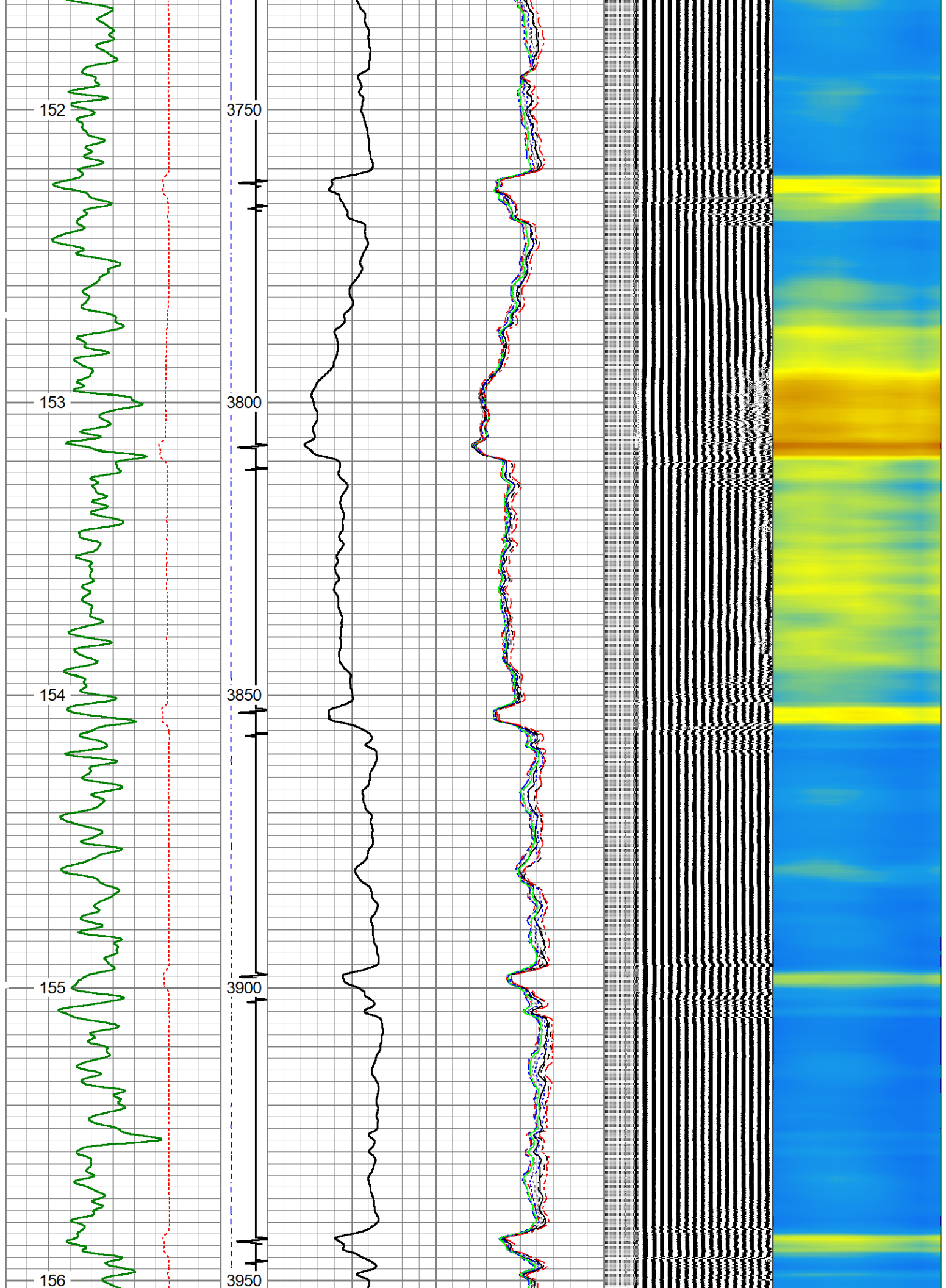


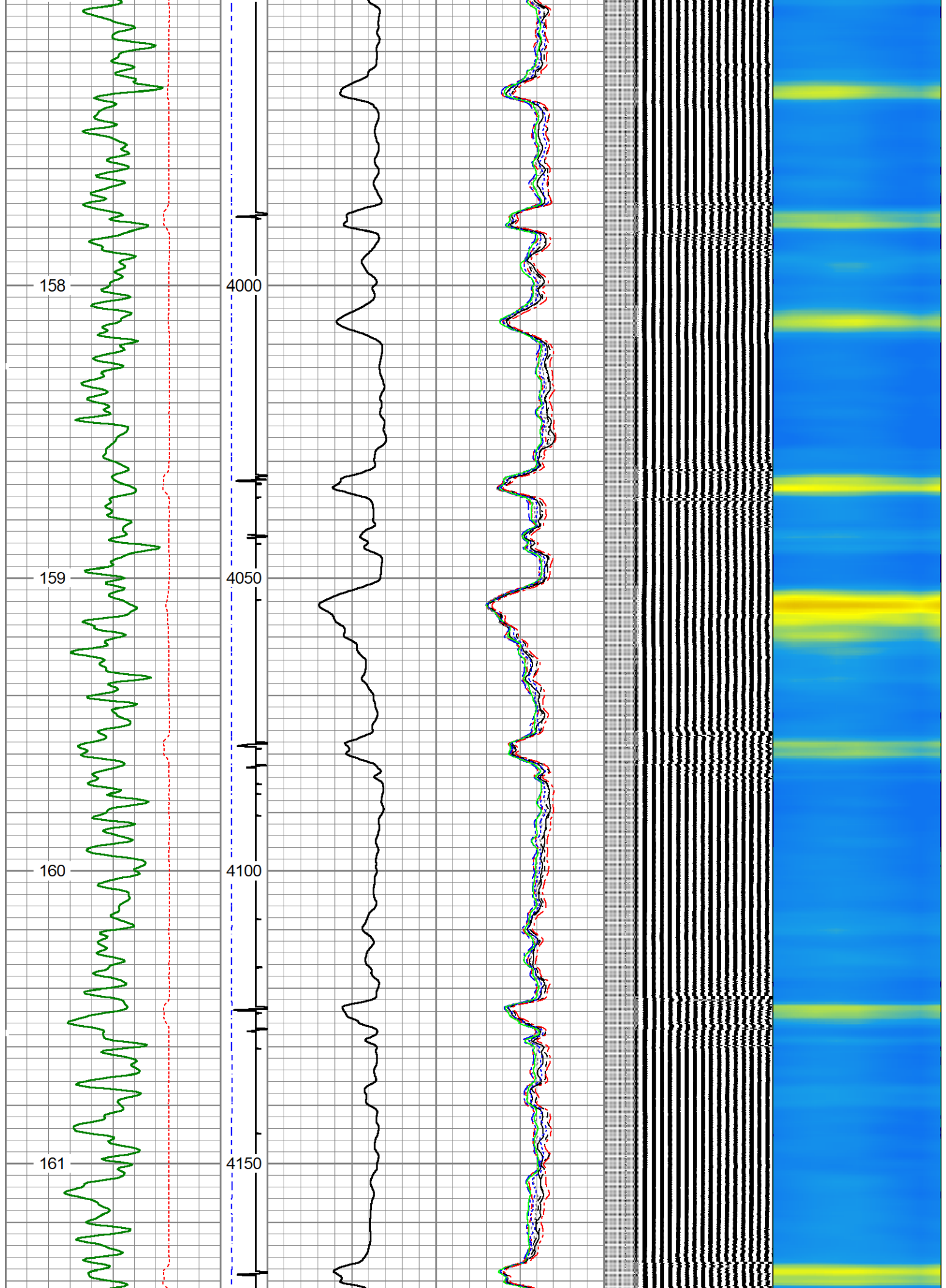


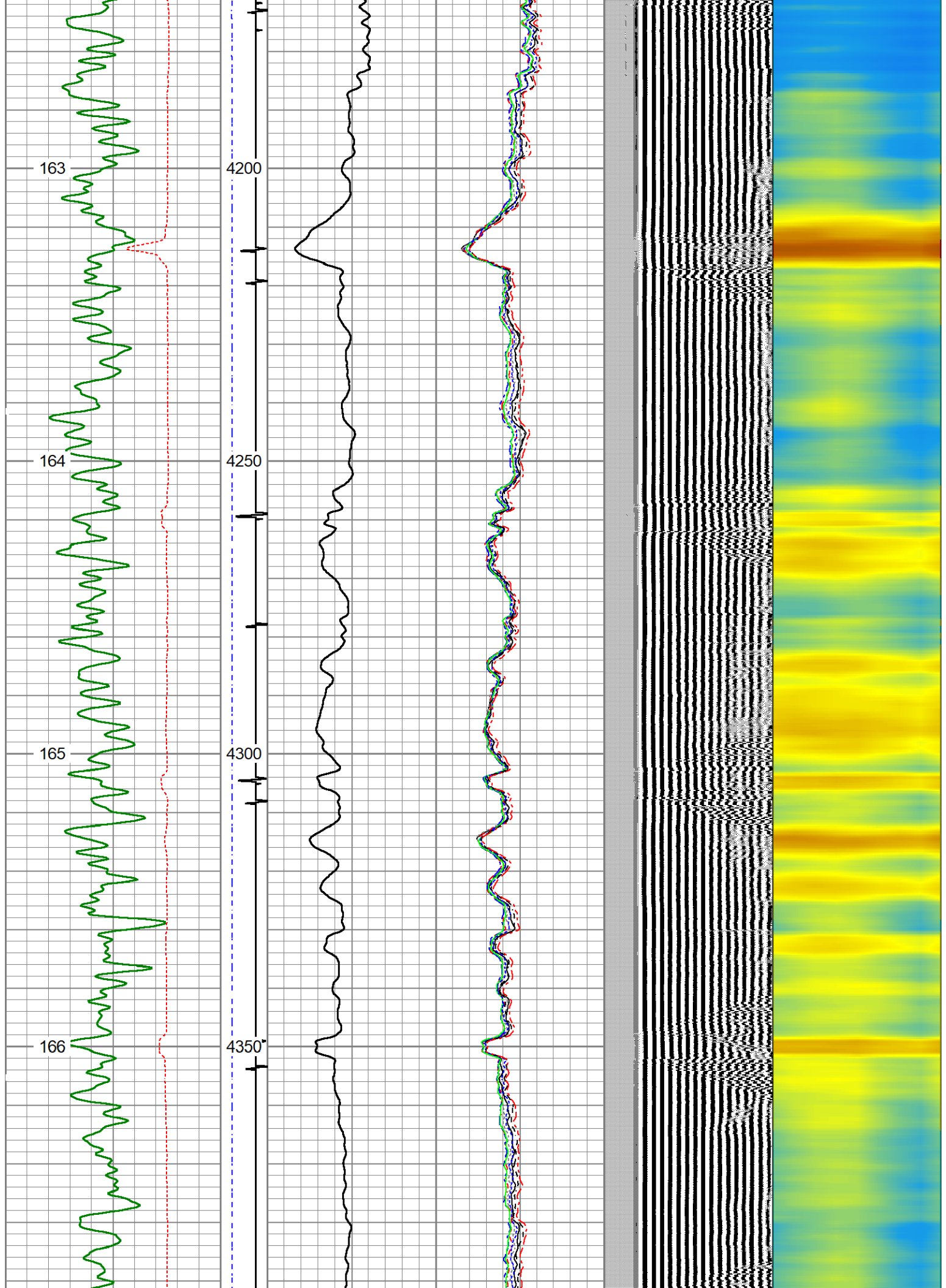


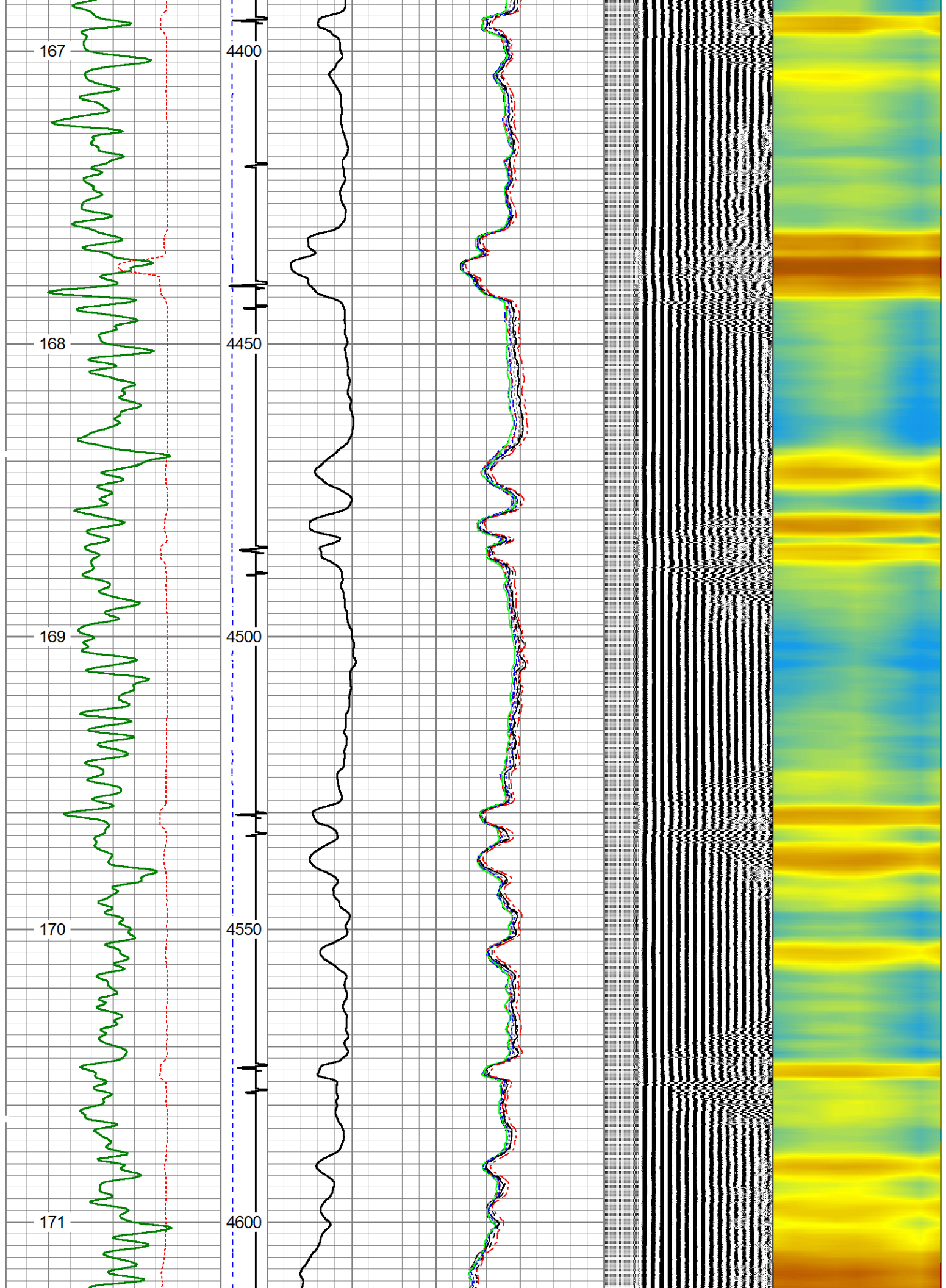


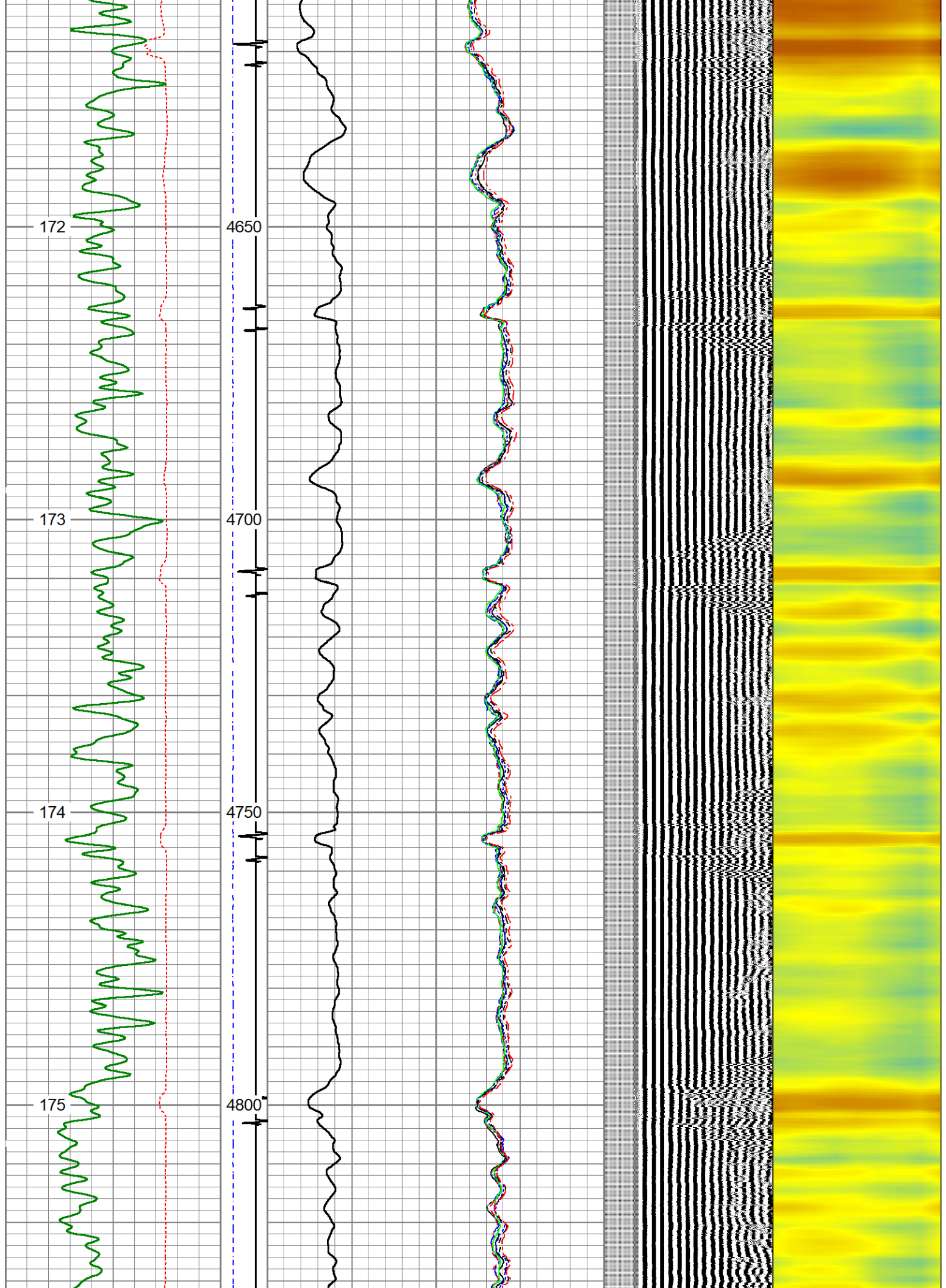


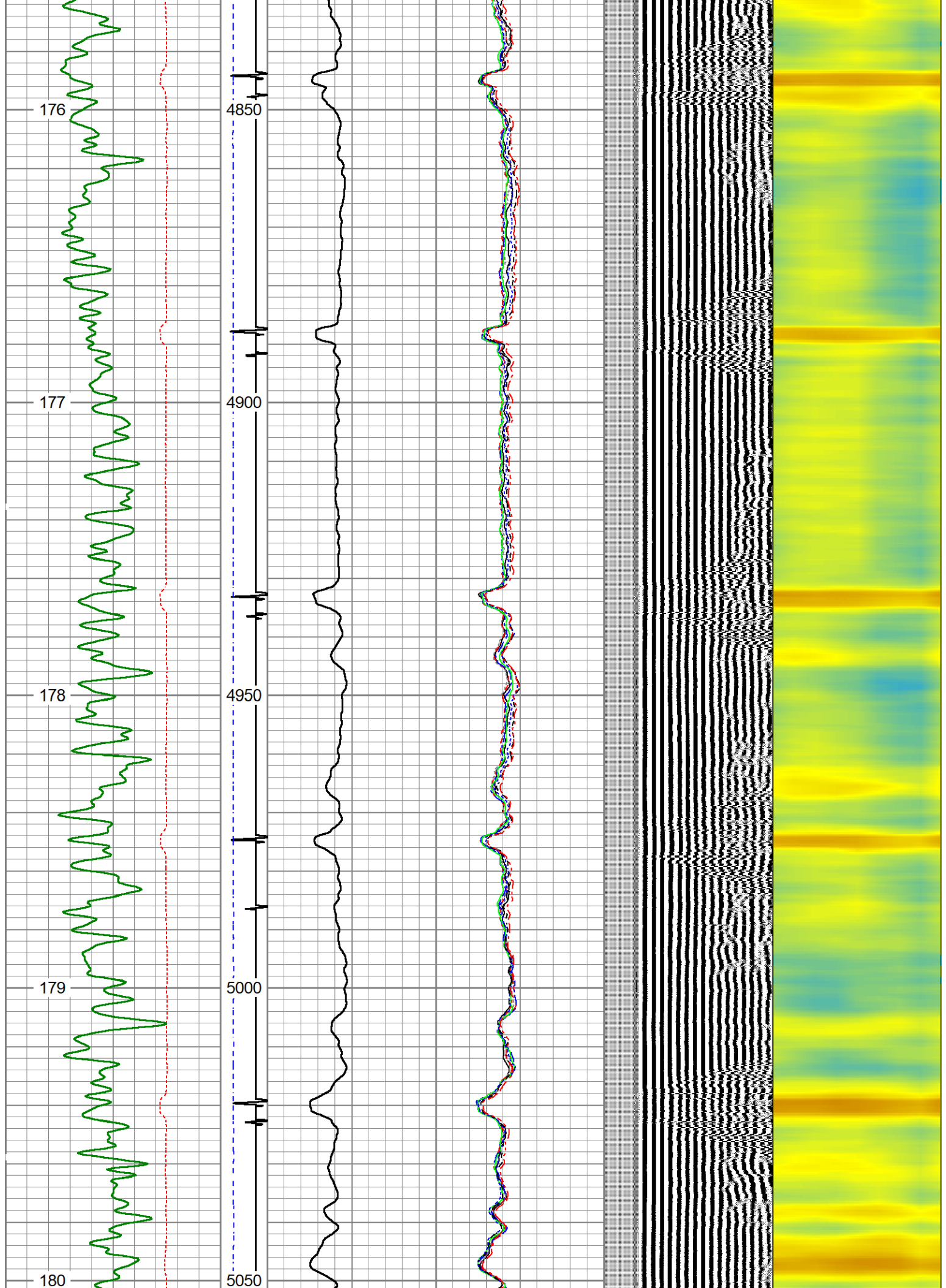


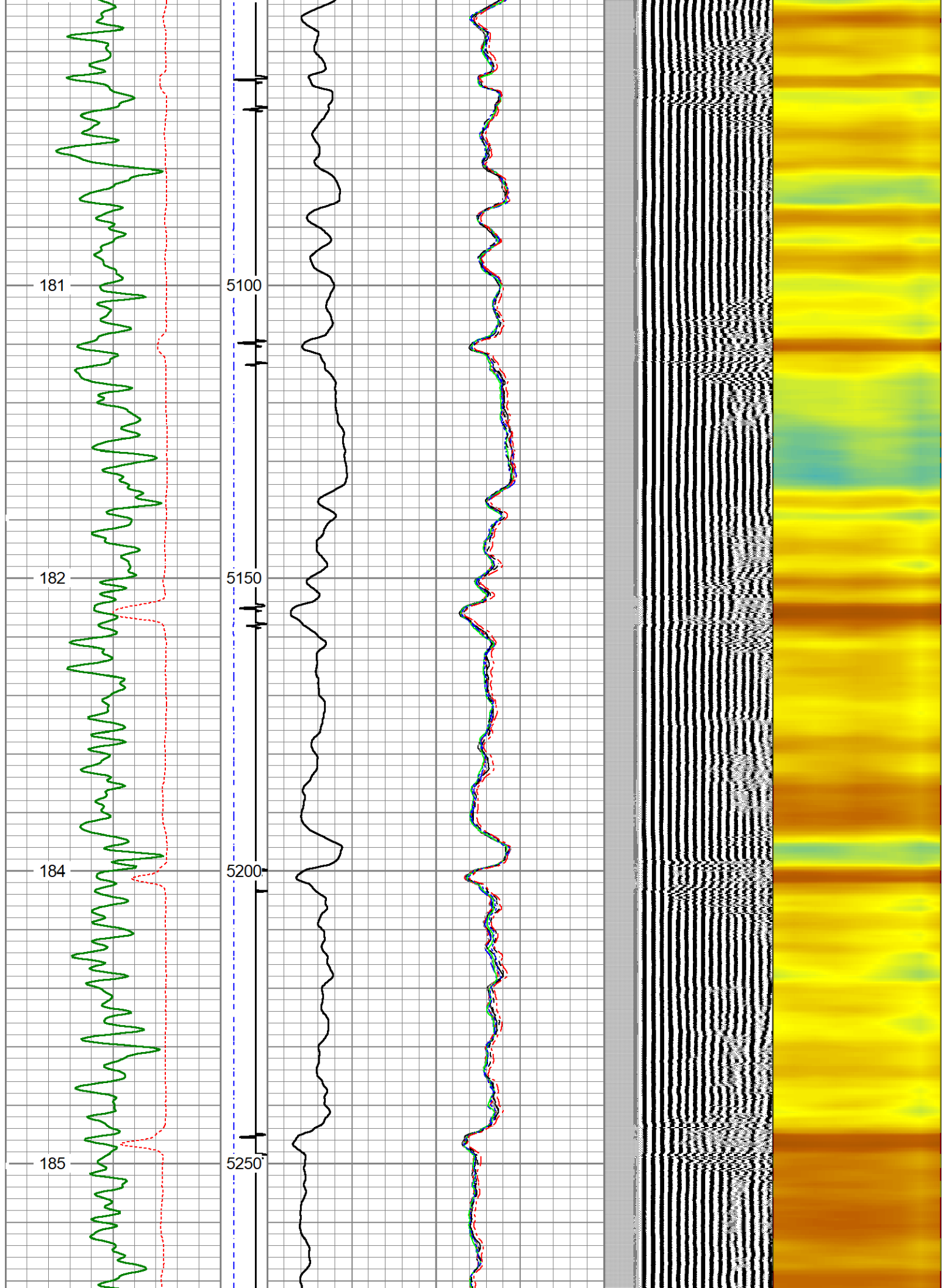


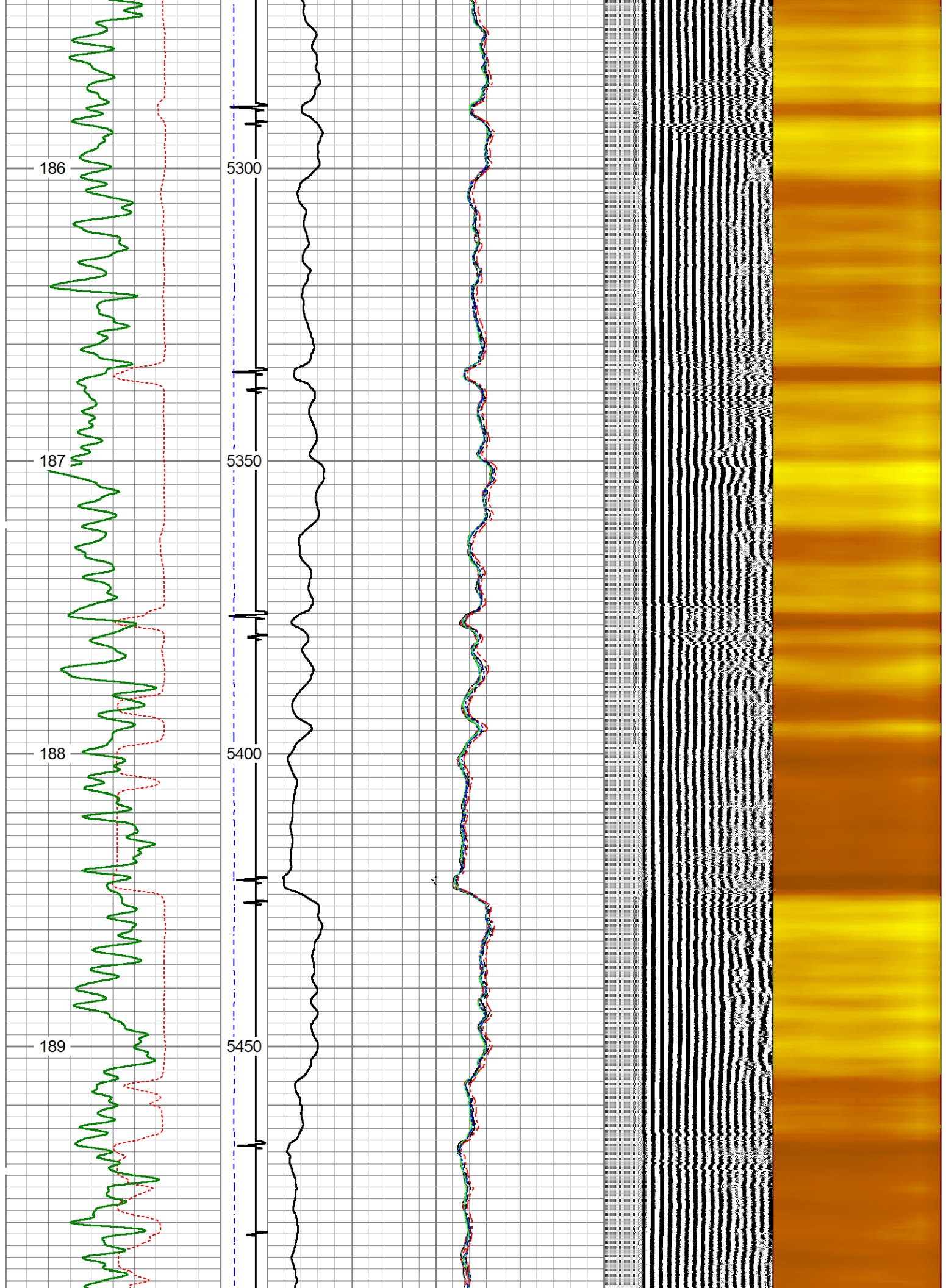


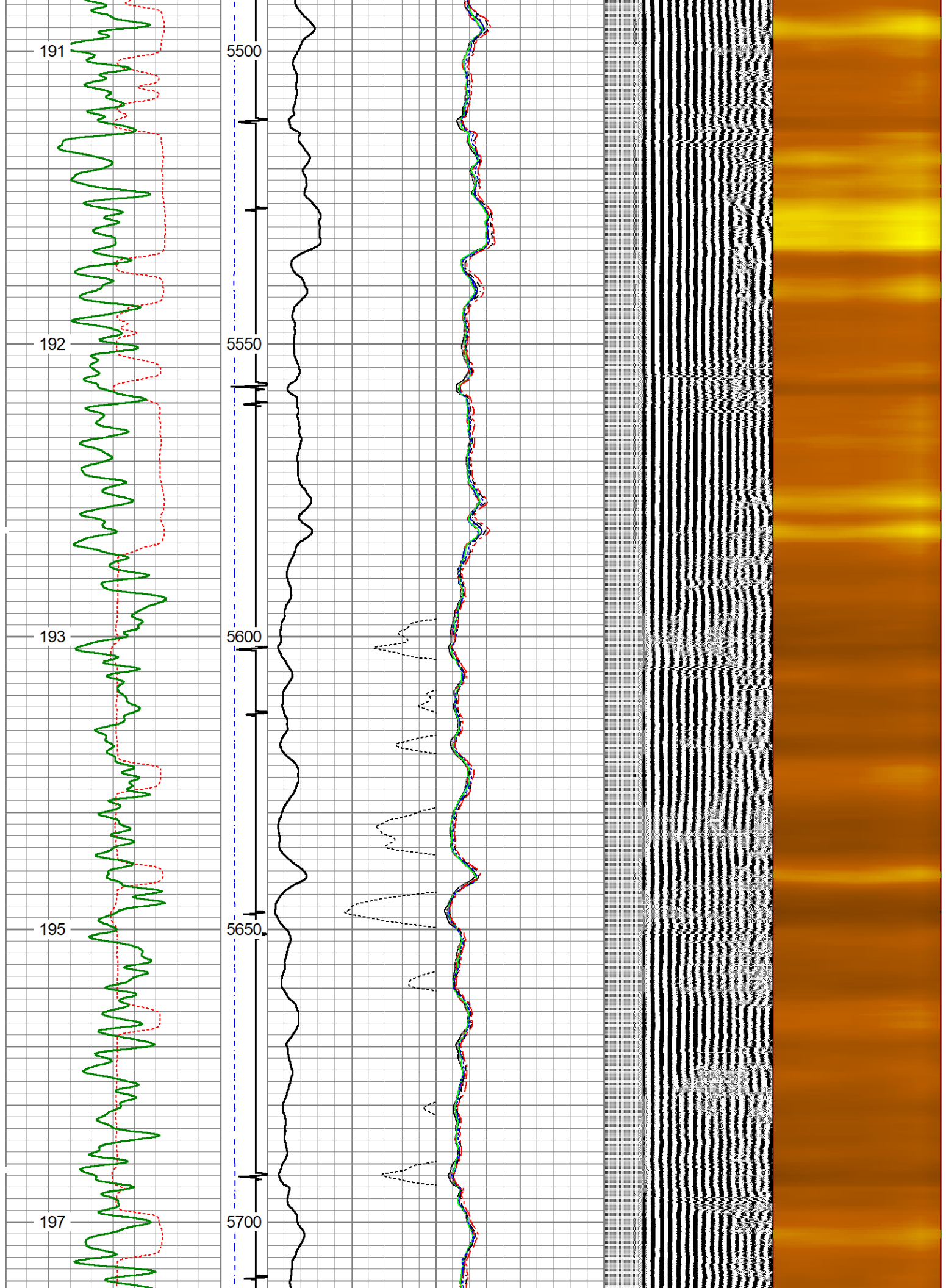


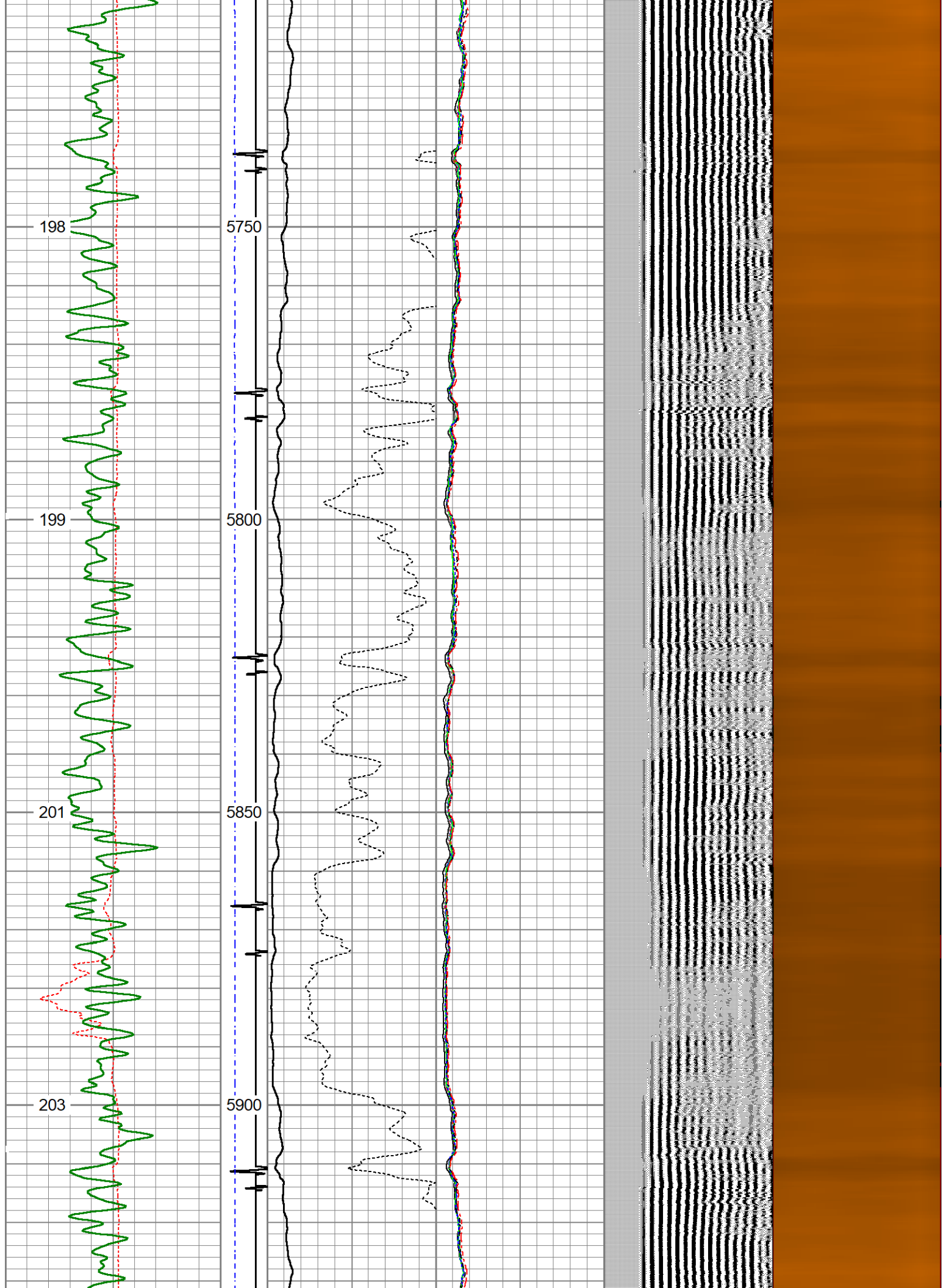


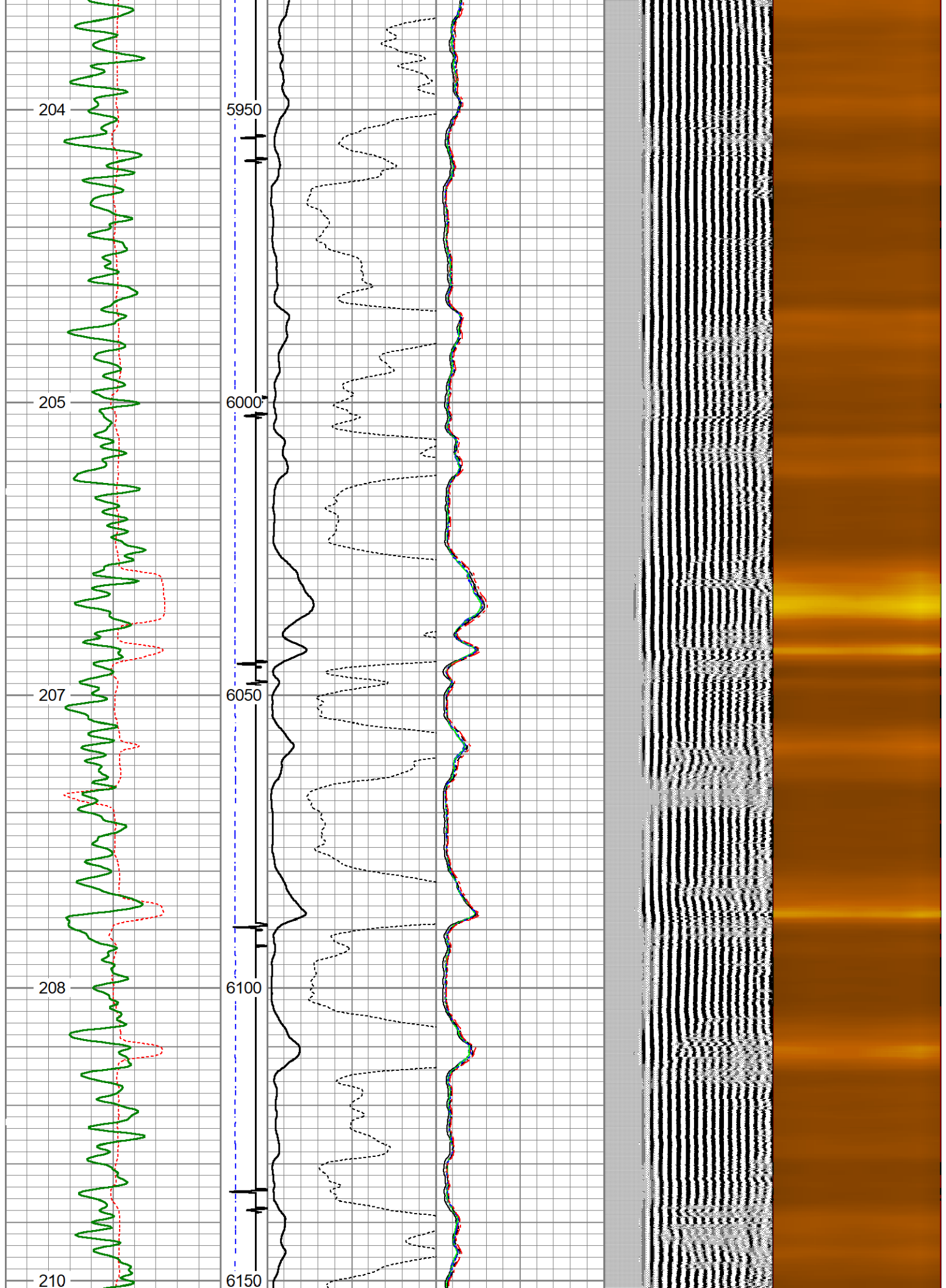


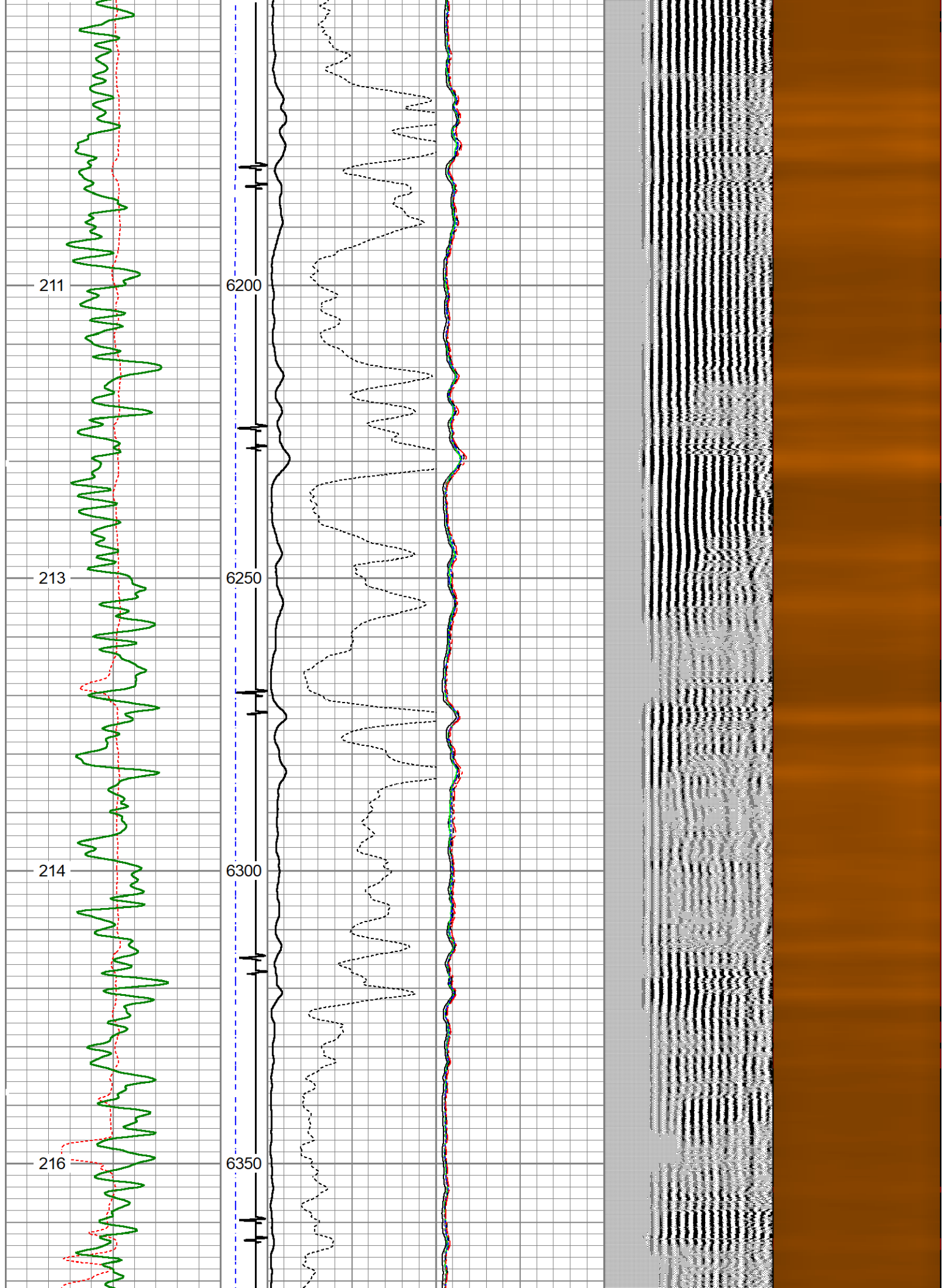


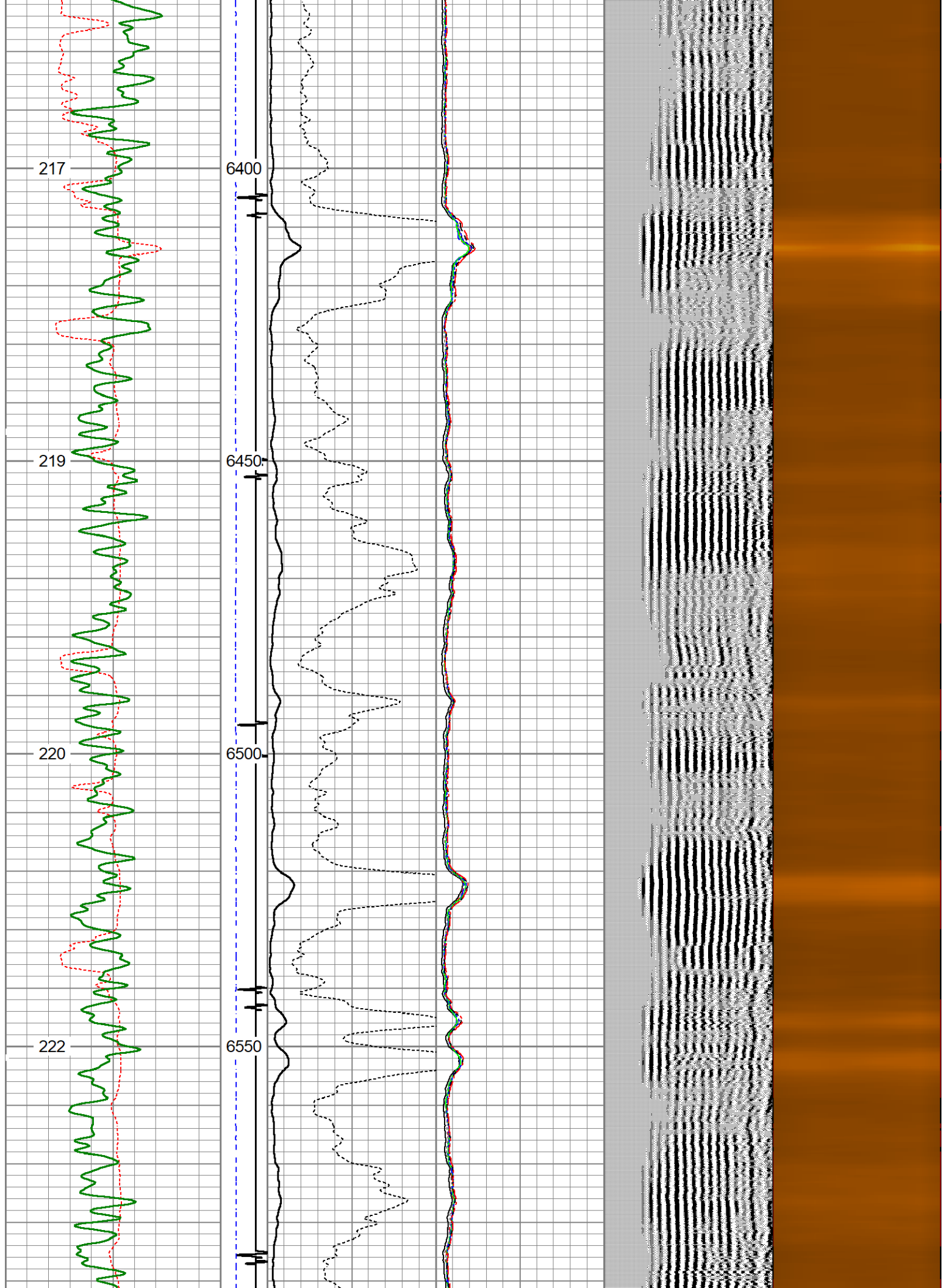


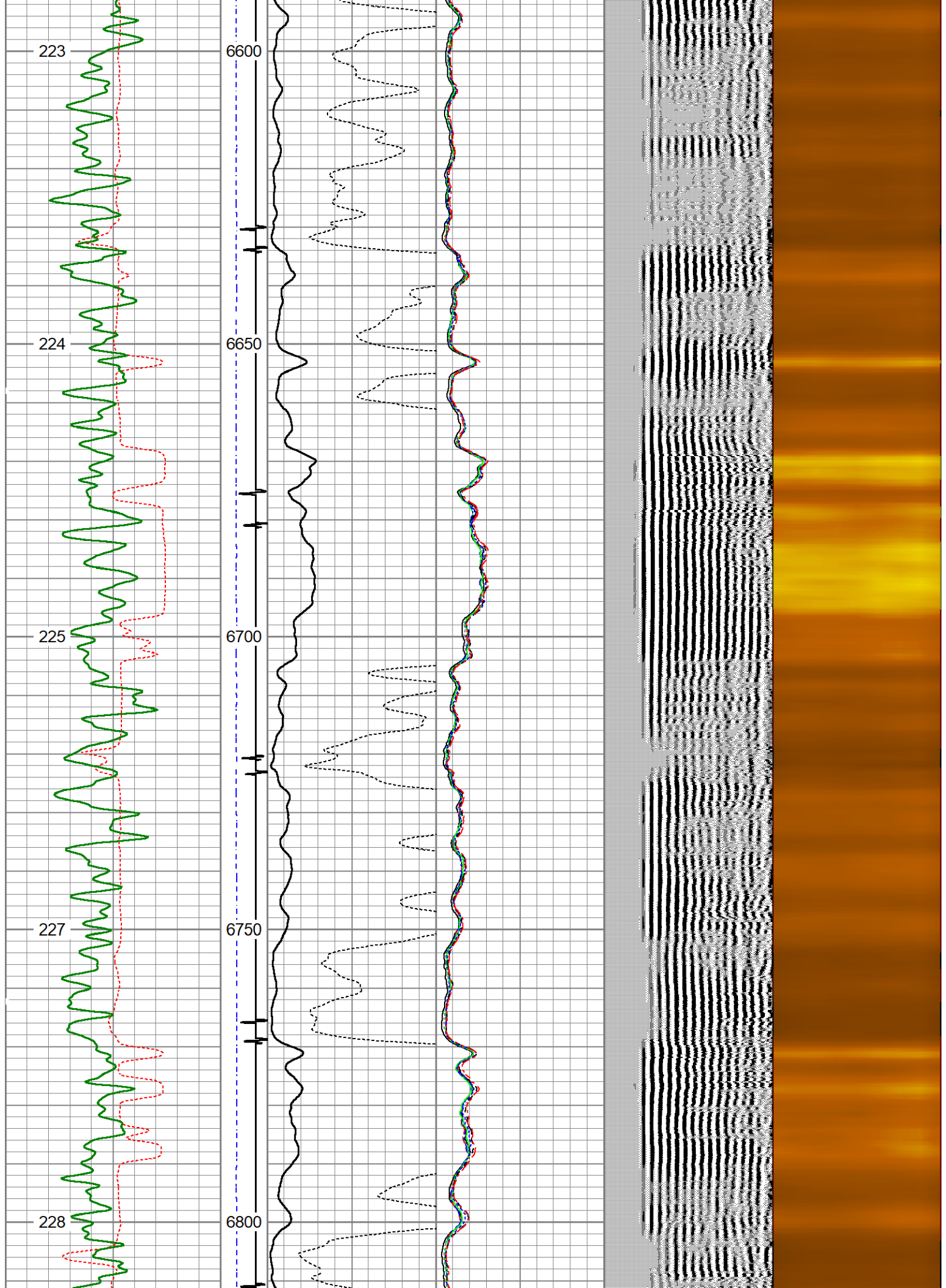


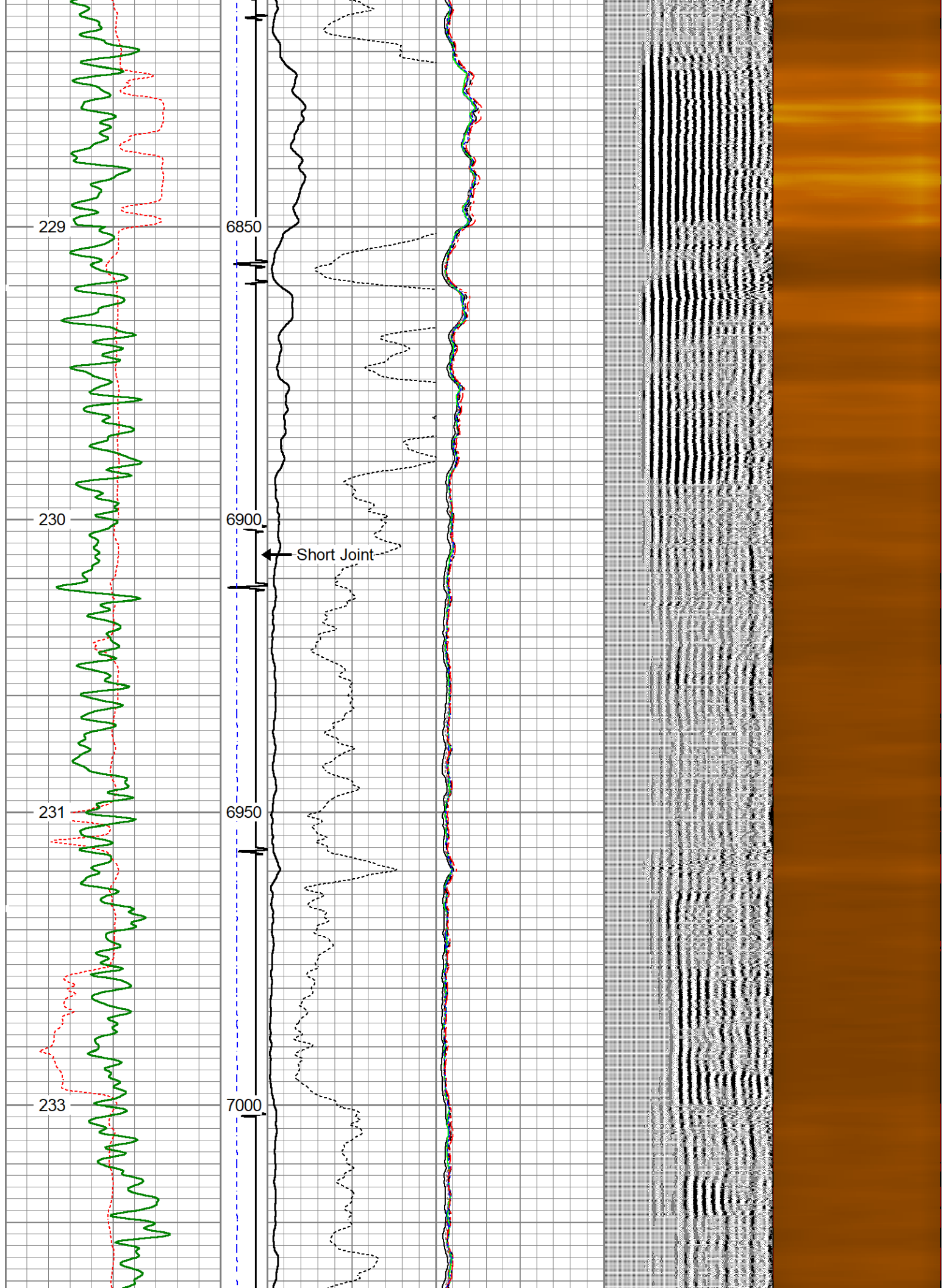


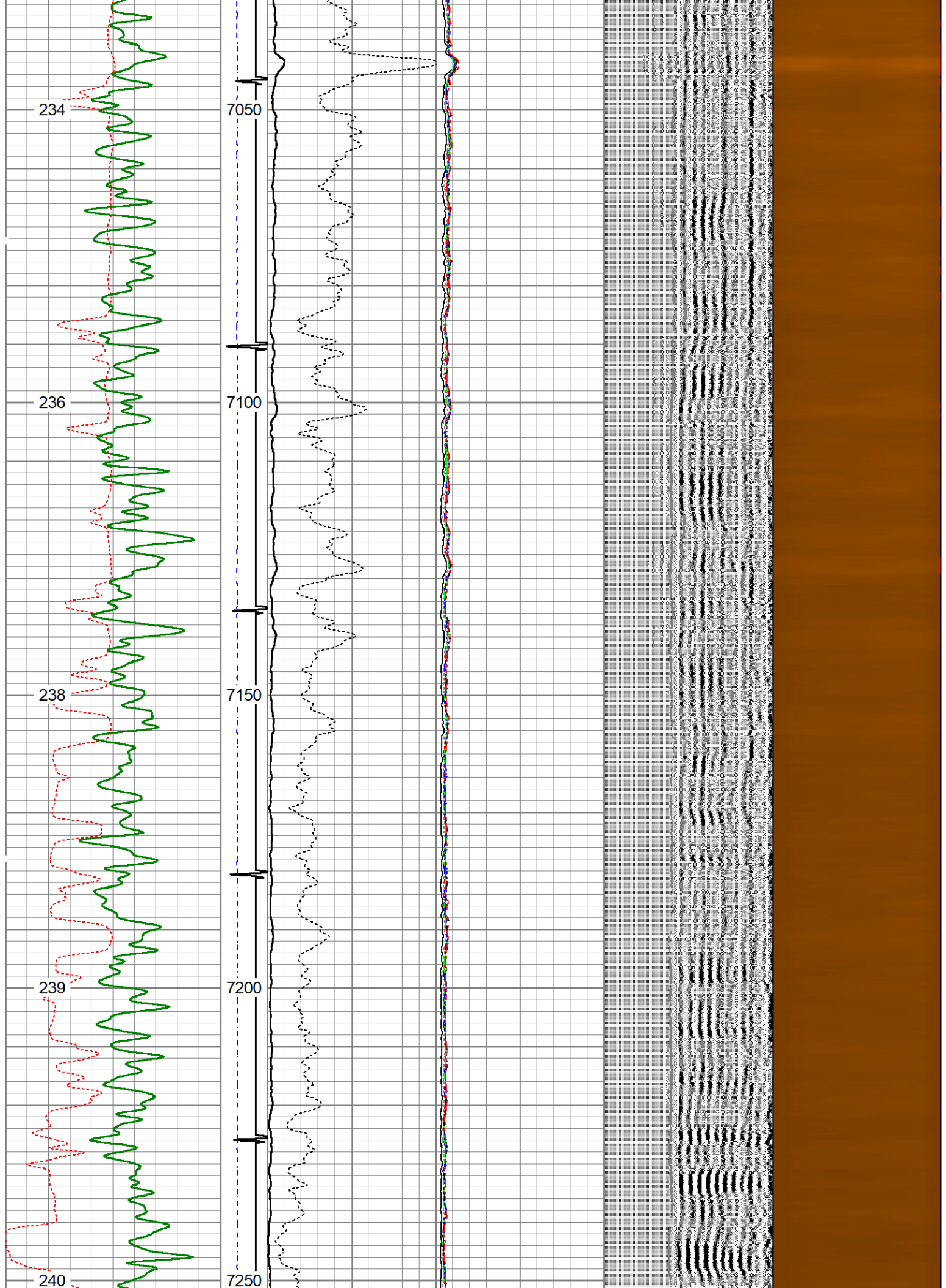


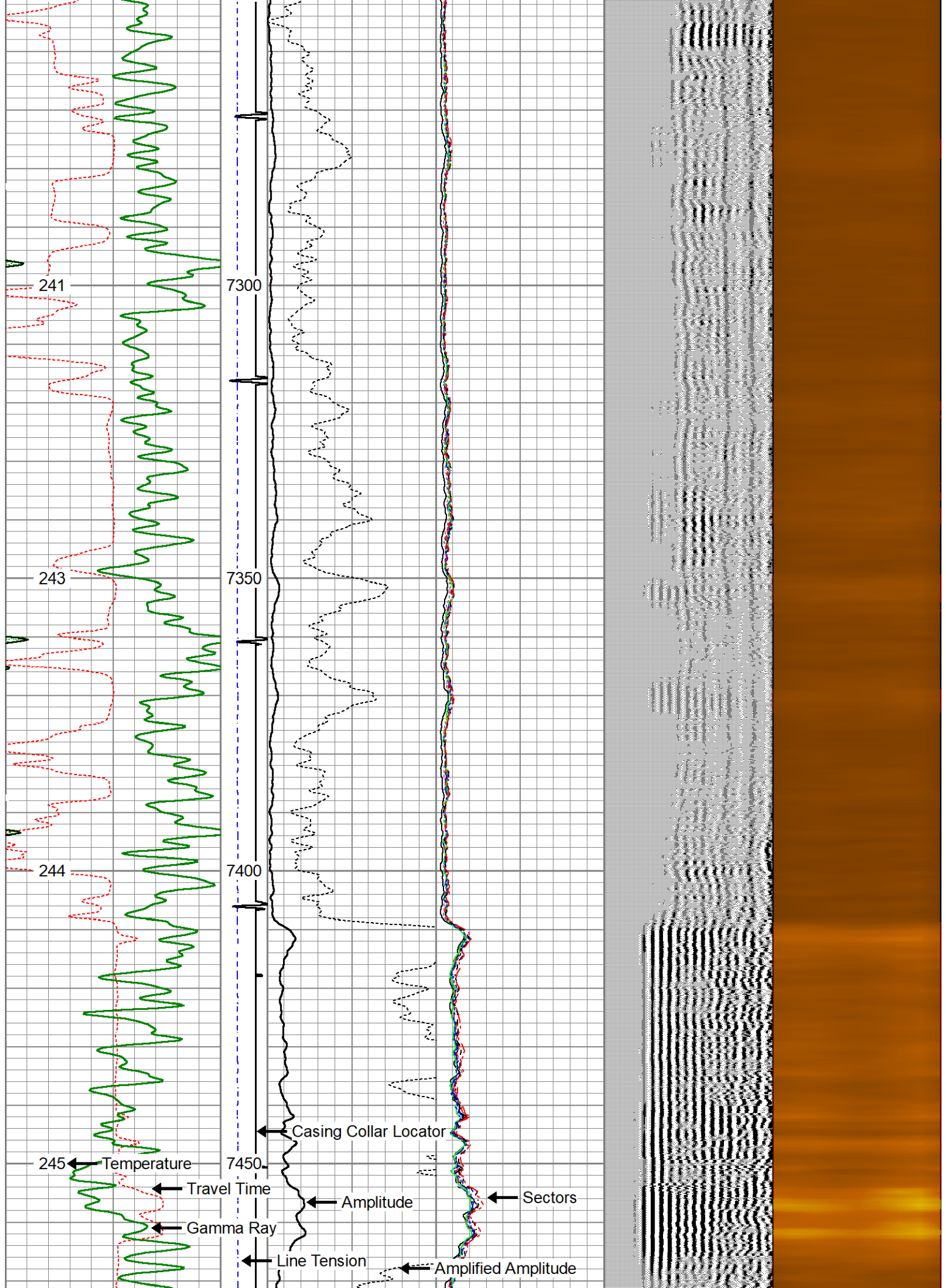


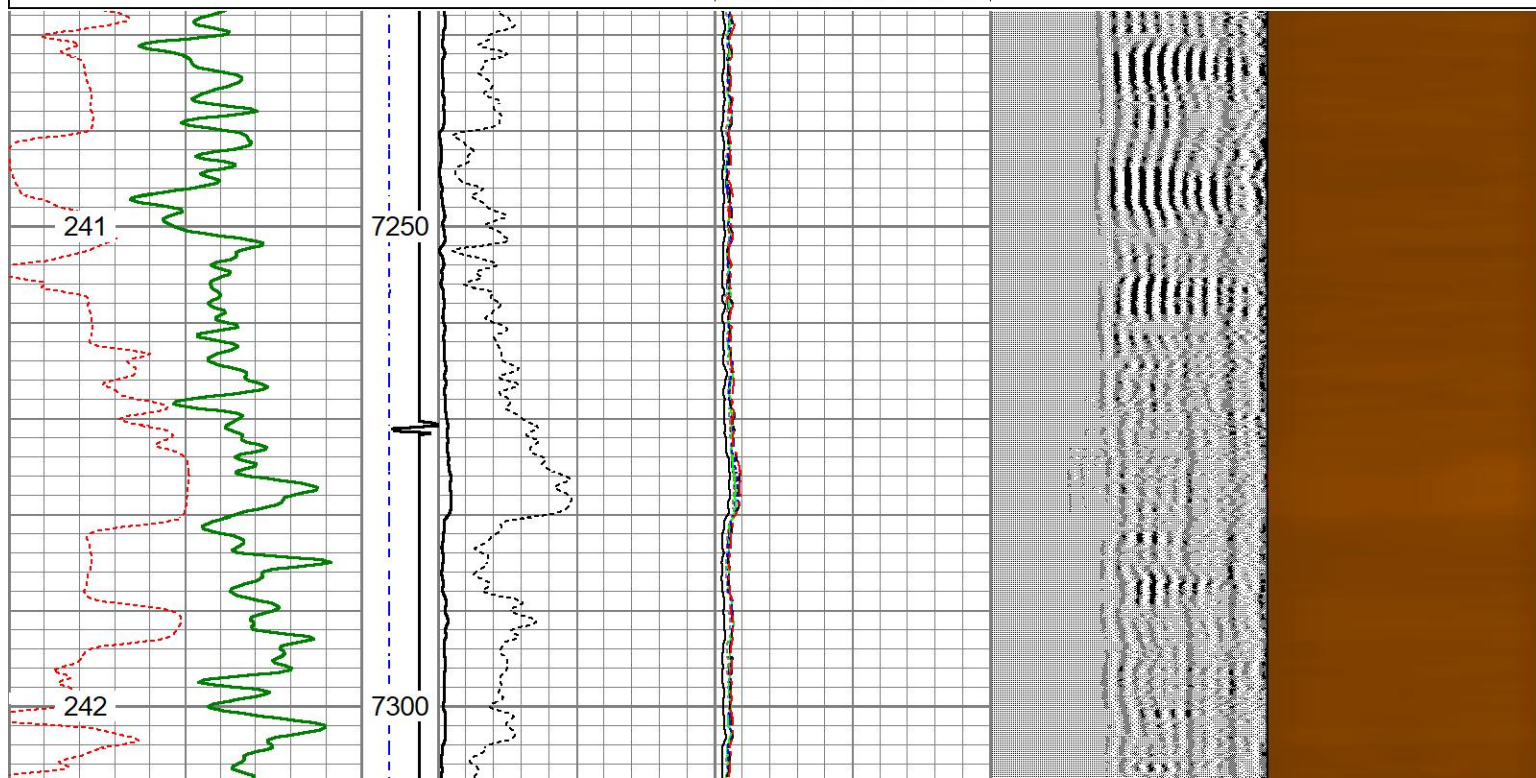
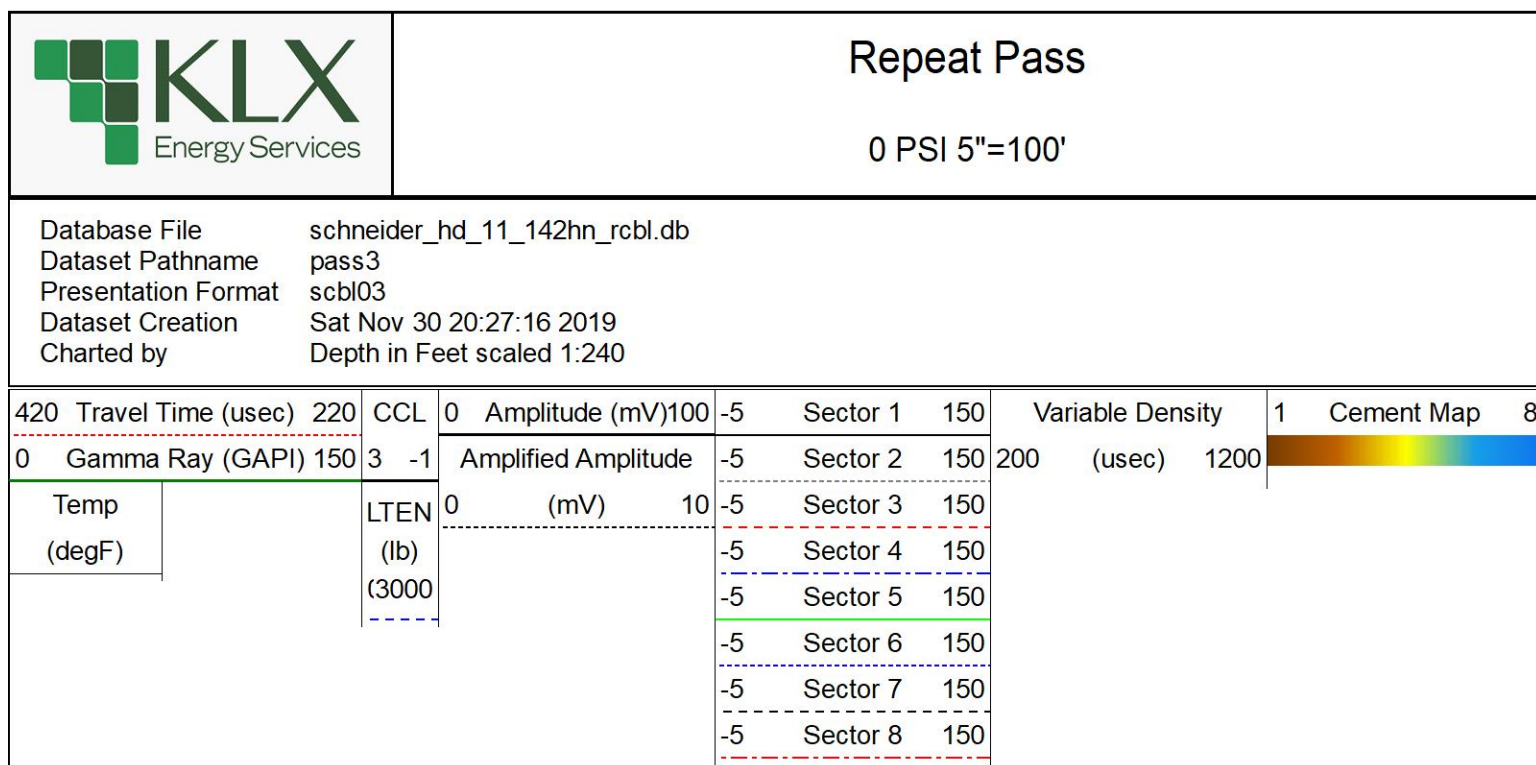
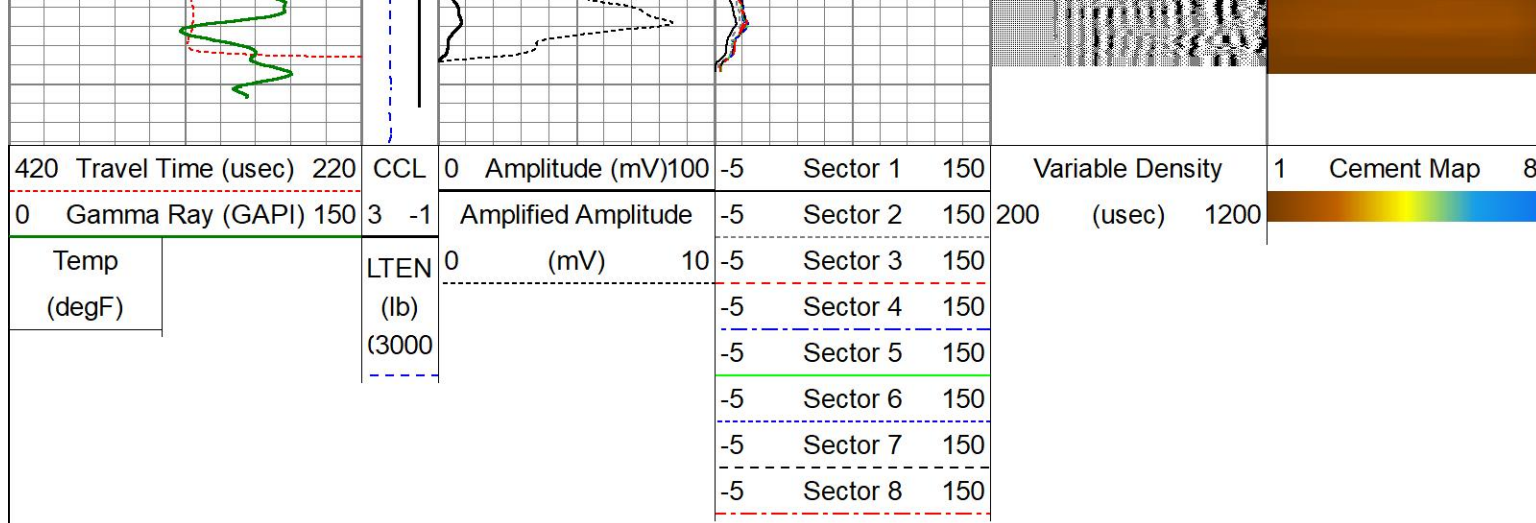


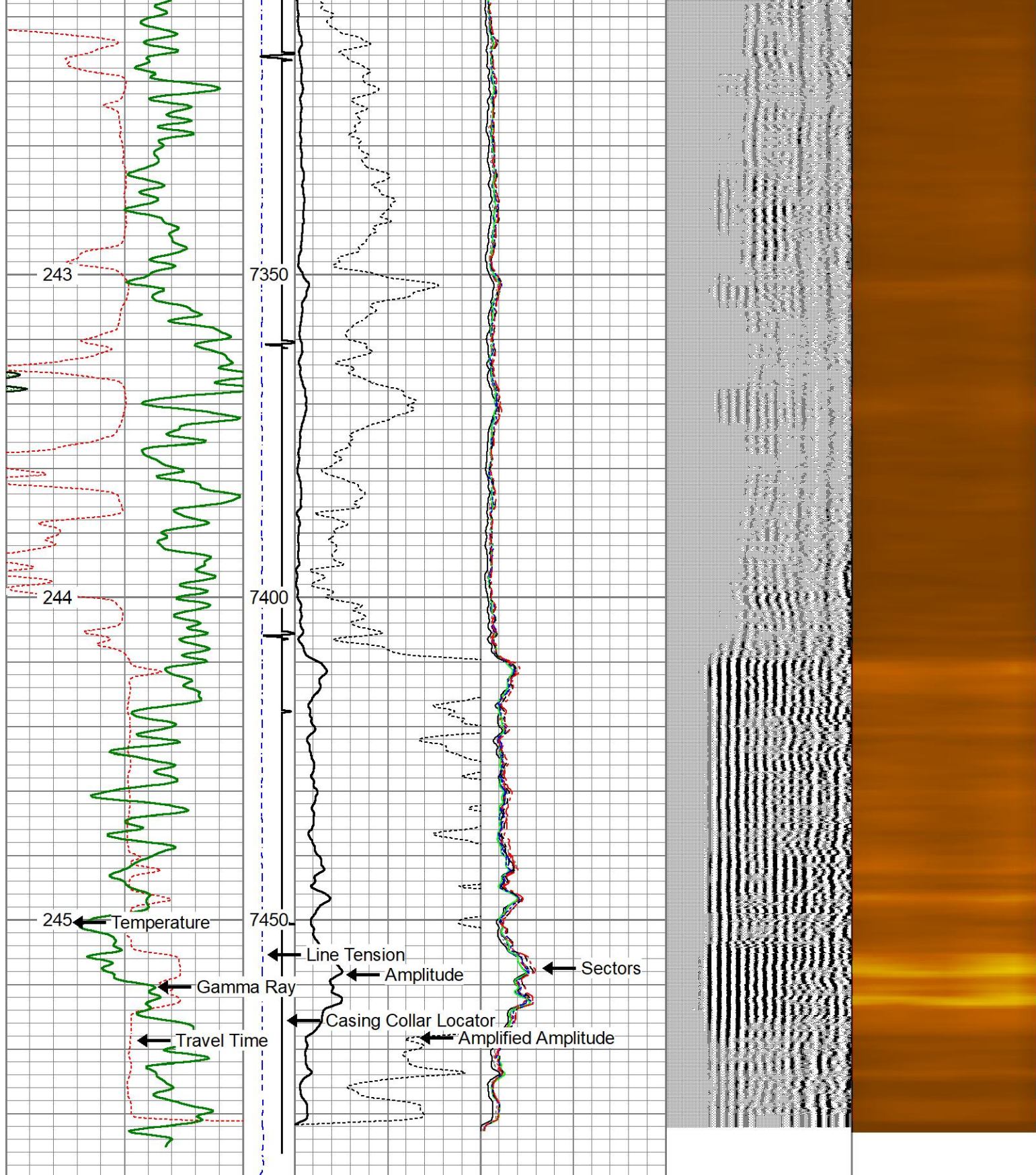












420	Travel Time (usec)	220	CCL	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
0	Gamma Ray (GAPI)	150	3	-1	Amplified Amplitude		-5	Sector 2	150	200	(usec)	1200	
Temp			LTEN	0	(mV)	10	-5	Sector 3	150				
(degF)			(lb)				-5	Sector 4	150				
			(3000)				-5	Sector 5	150				
							-5	Sector 6	150				
							-5	Sector 7	150				
							-5	Sector 8	150				

Log Variables

DatabaseC:\ProgramData\Warrior\Data\schneider_hd_11_142hn_rcbl.db
Dataset field/well/run1/pass6.1/_vars_

Top - 6850.00 ft

BHTEMP_Src TEMP	BOREID in 8.5	BOTTEMP degF 245	CASEOD in 5.5	CASETHCK in 0	CASEWGHT lb/ft 17	MAXAMPL mV 0	MINAMPL mV 1
MINATTN db/ft 0.8	PERFS No	PPT usec 263	SRFTEMP degF 0	TDEPTH ft 0			

6850.00 ft - Bottom

Variable Description

BHTEMP_Src : BHTEMP Input Source Selector
BOREID : Borehole I.D.
BOTTEMP : Bottom Hole Temperature
CASEOD : Casing O.D.
CASETHCK : Casing Thickness
CASEWGHT : Casing Weight
MAXAMPL : Maximum Amplitude

MINAMPL : Minimum Amplitude
MINATTN : Minimum Attenuation
PERFS : Perforation Flag
PPT : Predicted Pipe Time
SRFTEMP : Surface Temperature
TDEPTH : Total Depth

Calibration Report

Database File schneider_hd_11_142hn_rcbl.db
Dataset Pathname pass6.1
Dataset Creation Sat Nov 30 23:37:43 2019

Gamma Ray Calibration Report

Serial Number: FW1304-44
Tool Model: Probe275
Performed: Wed Nov 27 12:25:12 2019

Calibrator Value: 1036.2 GAPI

Background Reading: 64.0 cps
Calibrator Reading: 1252.4 cps

Sensitivity: 0.8719 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: FW1306-47
Tool Model: Probe 2.75 Radii W/Temp

Calibration Casing Diameter: 5.500 in
Calibration Depth: 3050.700 ft

Master Calibration, performed Sat Nov 30 20:10:06 2019:

Raw (v)

Calibrated (mv)

Results

Zero

Cal

Zero

Cal


Gain

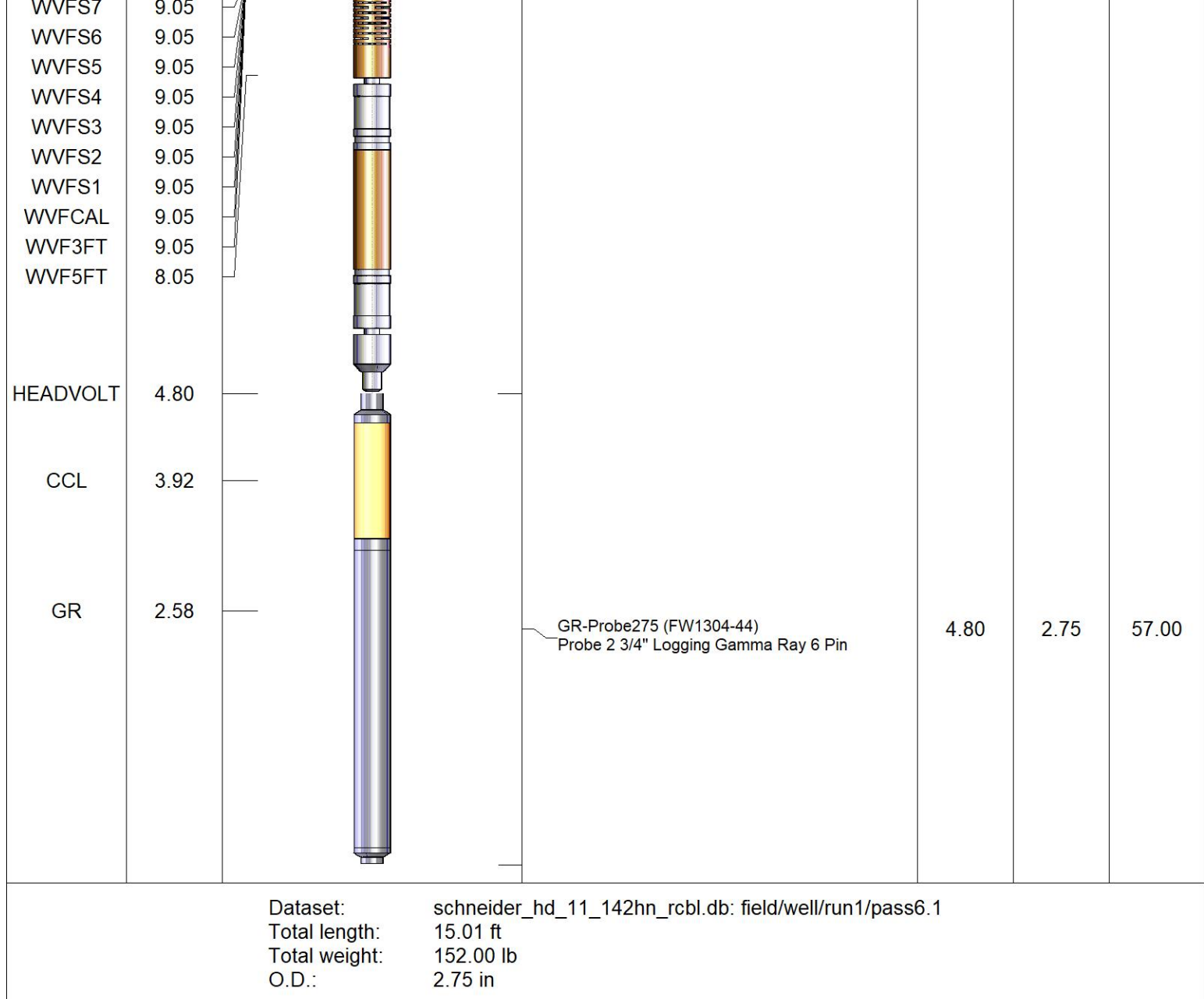
Offset

3'	0.008	0.442	0.000	71.921	165.802	-1.281
CAL	0.009	0.614				
5'	0.008	0.388	0.000	71.921	189.361	-1.502
SUM						
S1	0.019	0.407	0.000	100.000	258.349	-5.033
S2	0.013	0.435	0.000	100.000	236.811	-2.986
S3	0.008	0.456	0.000	100.000	222.942	-1.712
S4	0.008	0.464	0.000	100.000	219.160	-1.661
S5	0.008	0.459	0.000	100.000	221.483	-1.674
S6	0.008	0.437	0.000	100.000	232.820	-1.856
S7	0.008	0.413	0.000	100.000	246.621	-1.900
S8	0.008	0.409	0.000	100.000	249.270	-1.926

Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.009	0.614	1.000	0.000

Air Zero Calibration, performed (Not Performed):			
	Raw (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	Length (ft)	O.D. (in)	Weight (lb)
HeadVolt	14.13		CHD-Titan Titan 1 7/16" GO Cablehead	1.00	1.44	5.00
Temp	11.28					
WVFS8	9.05		RBT-Probe 2.75 Radii W/Temp (FW1306-47) Probe 2.75" Radial with Integral Temperature Sub	9.21	2.75	90.00



	Company	Great Western Oil & Gas	
	Well	Schneider HD 11-142HN	
	Field	Wattenberg	
	County	Weld	
	State	Colorado	Country