



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

Company Great Western Oil & Gas
Well Schneider HD 11-102HN
Field Wattenberg
County Weld State Colorado

Location: API #: 05-123-46406
NWSW
40.324233/-104.826513
SEC 7 TWP 4N RGE 66W
Permanent Datum GL Elevation 4735'
Log Measured From KB
Drilling Measured From KB
Other Services
Gauge Ring
Elevation
K.B. 4755'
D.F. 4735'
G.L. 4735'

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Date Nov 30 2019

Run Number One
Depth Driller 17758'
Depth Logger 7718'
Bottom Logged Interval 7716'
Top Log Interval Surface
Open Hole Size 8 1/2"
Type Fluid Water
Density / Viscosity
Max. Recorded Temp. 249 Deg F
Estimated Cement Top
Time Well Ready 18:00
Time Logger on Bottom 18:30
Equipment Number 60
Location Plattville CO
Recorded By S. Cornett
Witnessed By E. Savoya

Borehole Record
Run Number Bit From To Size Weight From To

Casing Record
Surface String 9 5/8" 36# Top Surface Bottom
Prot. String
Production String 5 1/2" 17# Surface 17758'
Liner

<<< 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

Log Correlated to Short Joint at 7110'-7120'

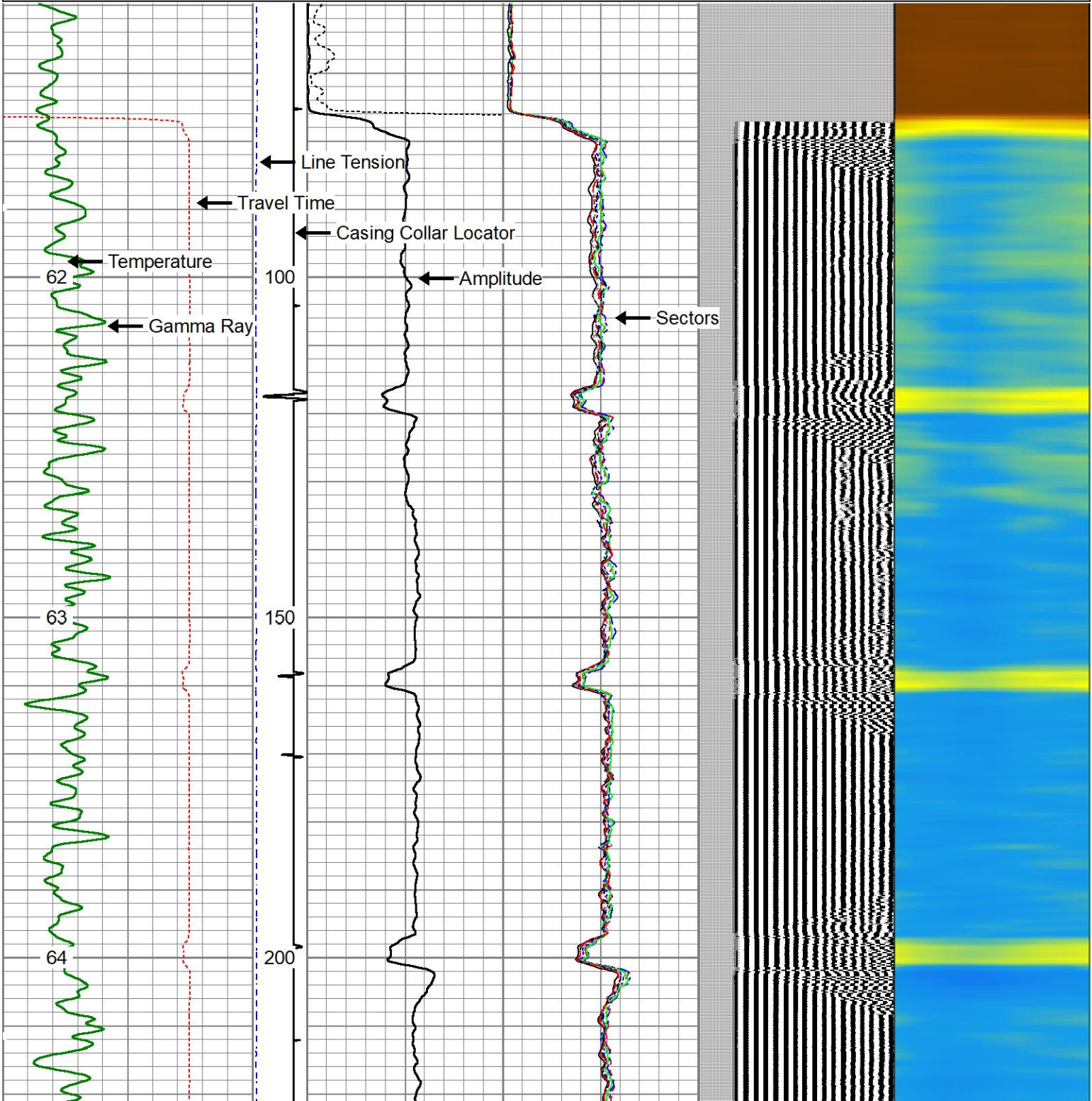
Thank you for using KLX Energy Services

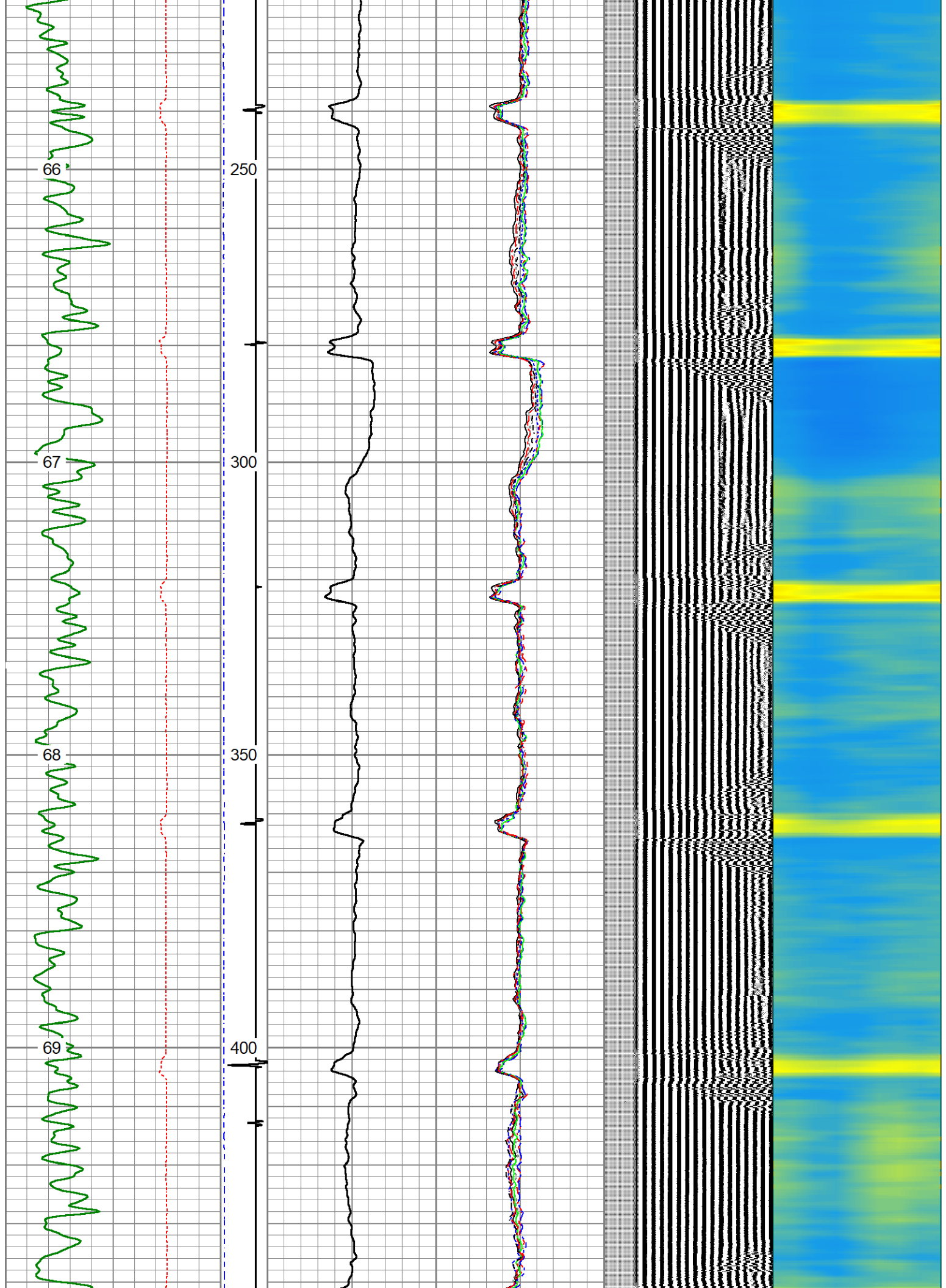


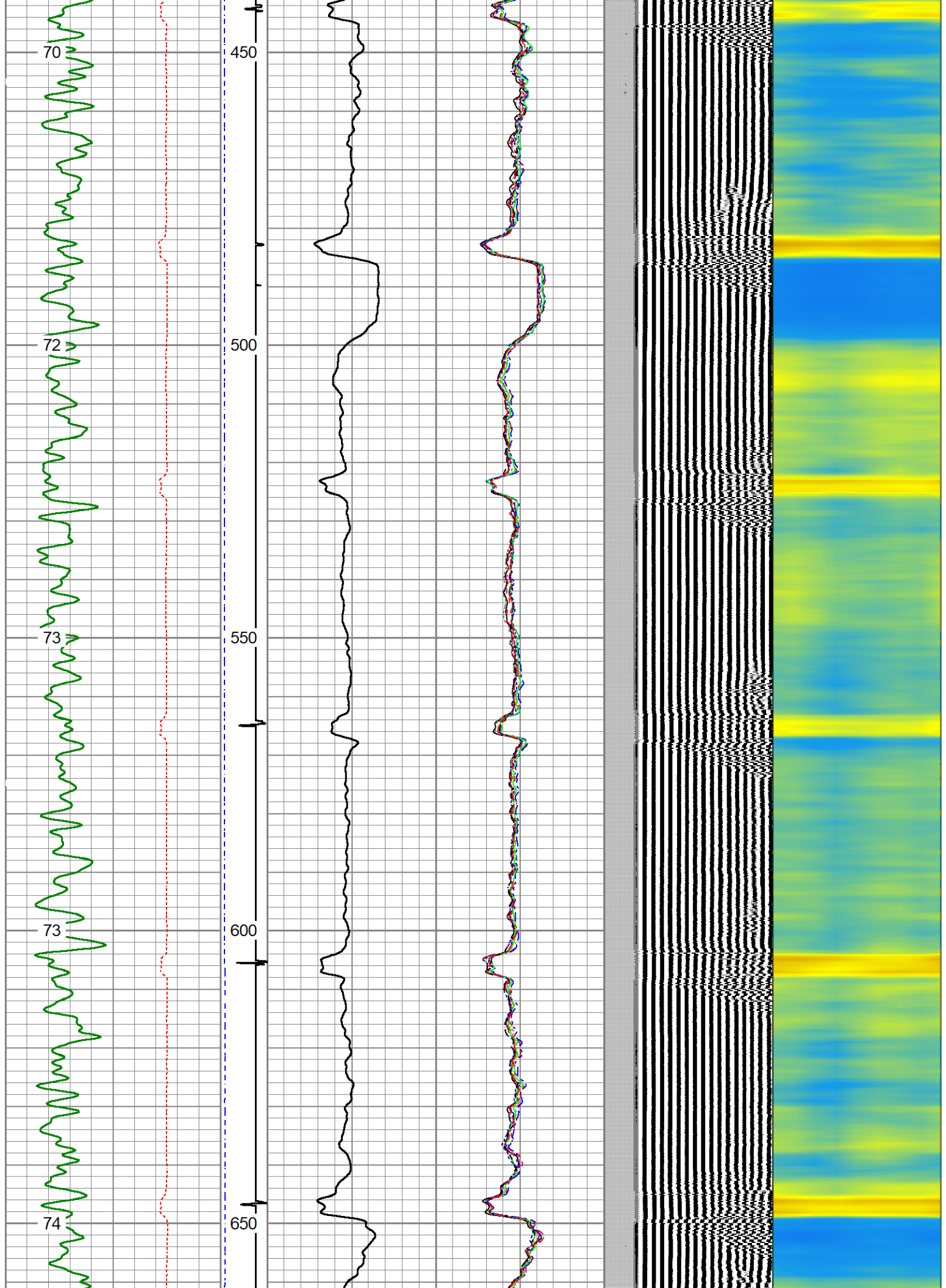
Main Pass

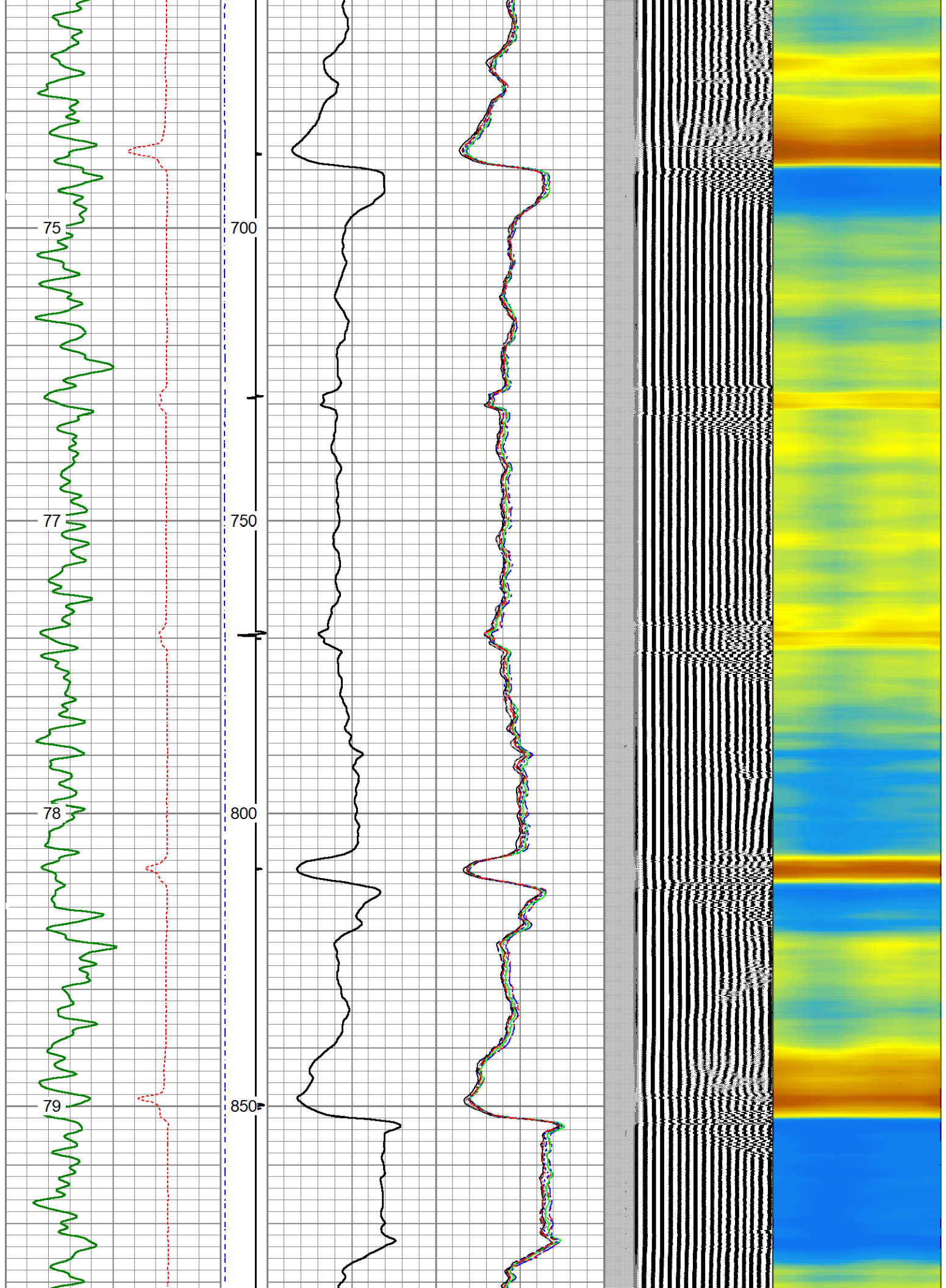
0 PSI 5"=100'

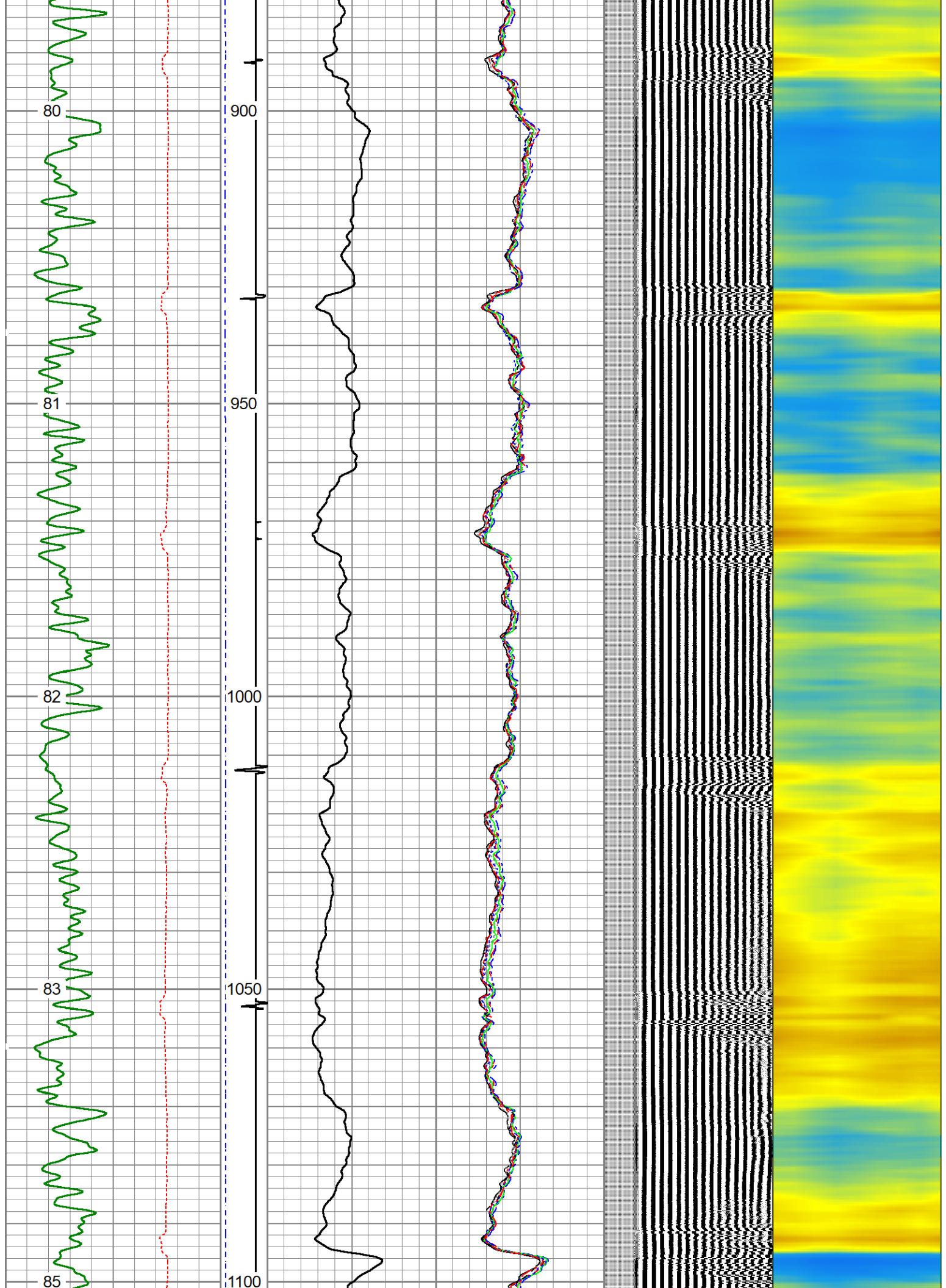
Database File	schneider_hd_11_102hn_rcbl.db									
Dataset Pathname	pass3									
Presentation Format	scbl03									
Dataset Creation	Sat Nov 30 18:40:14 2019									
Charted by	Depth in Feet scaled 1:240									
420	Travel Time (usec)	220	CCL	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density
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	

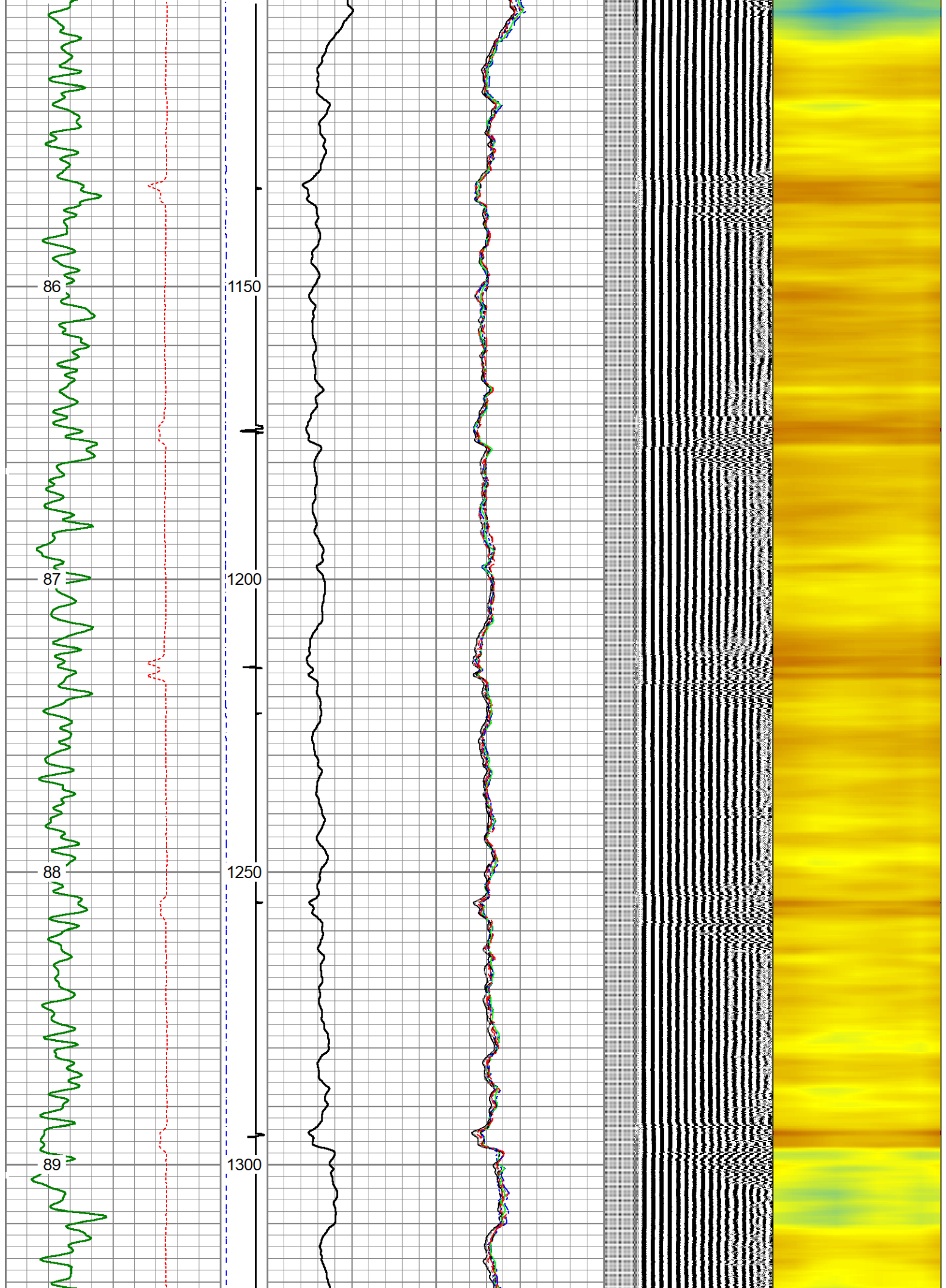


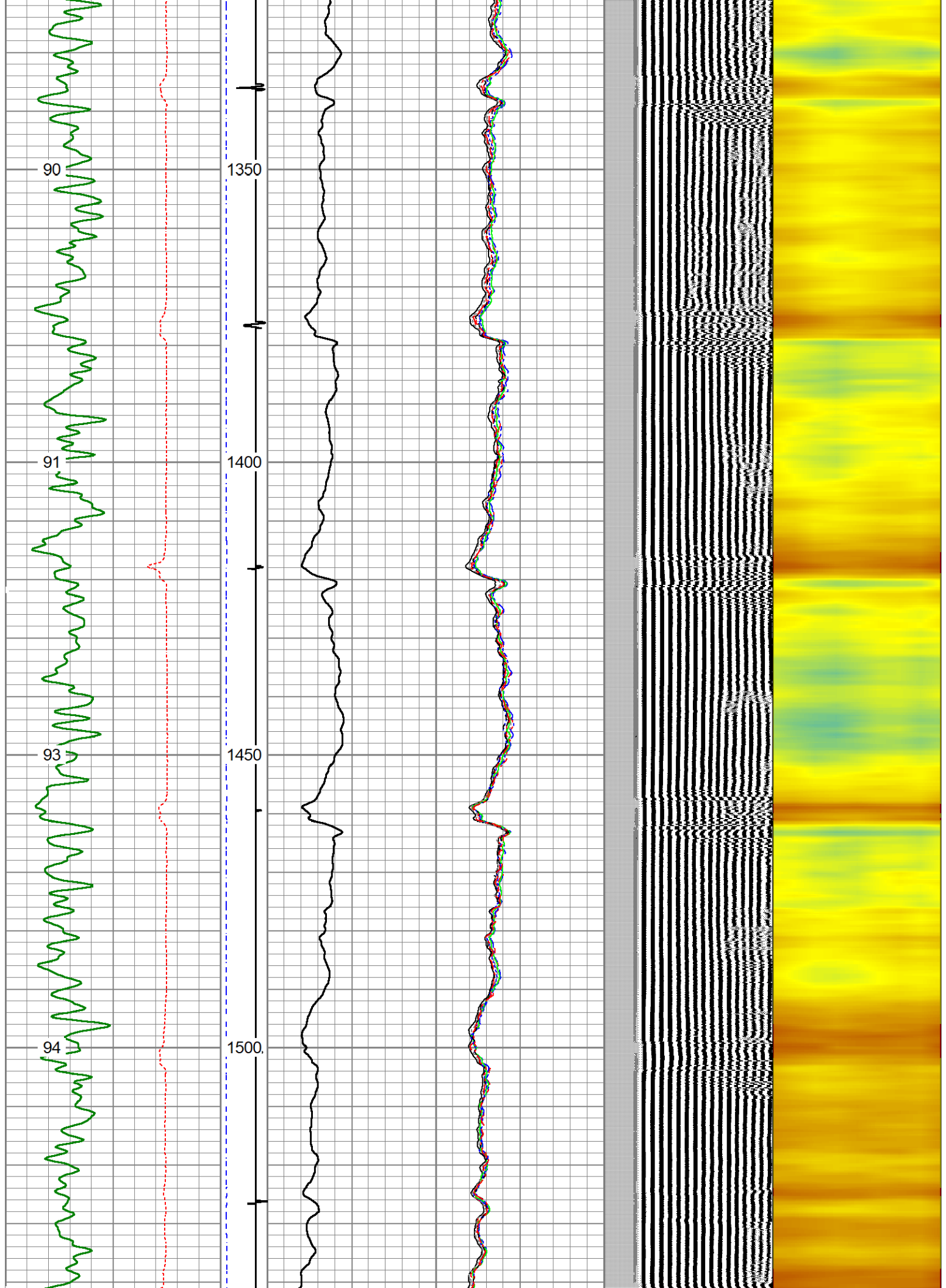


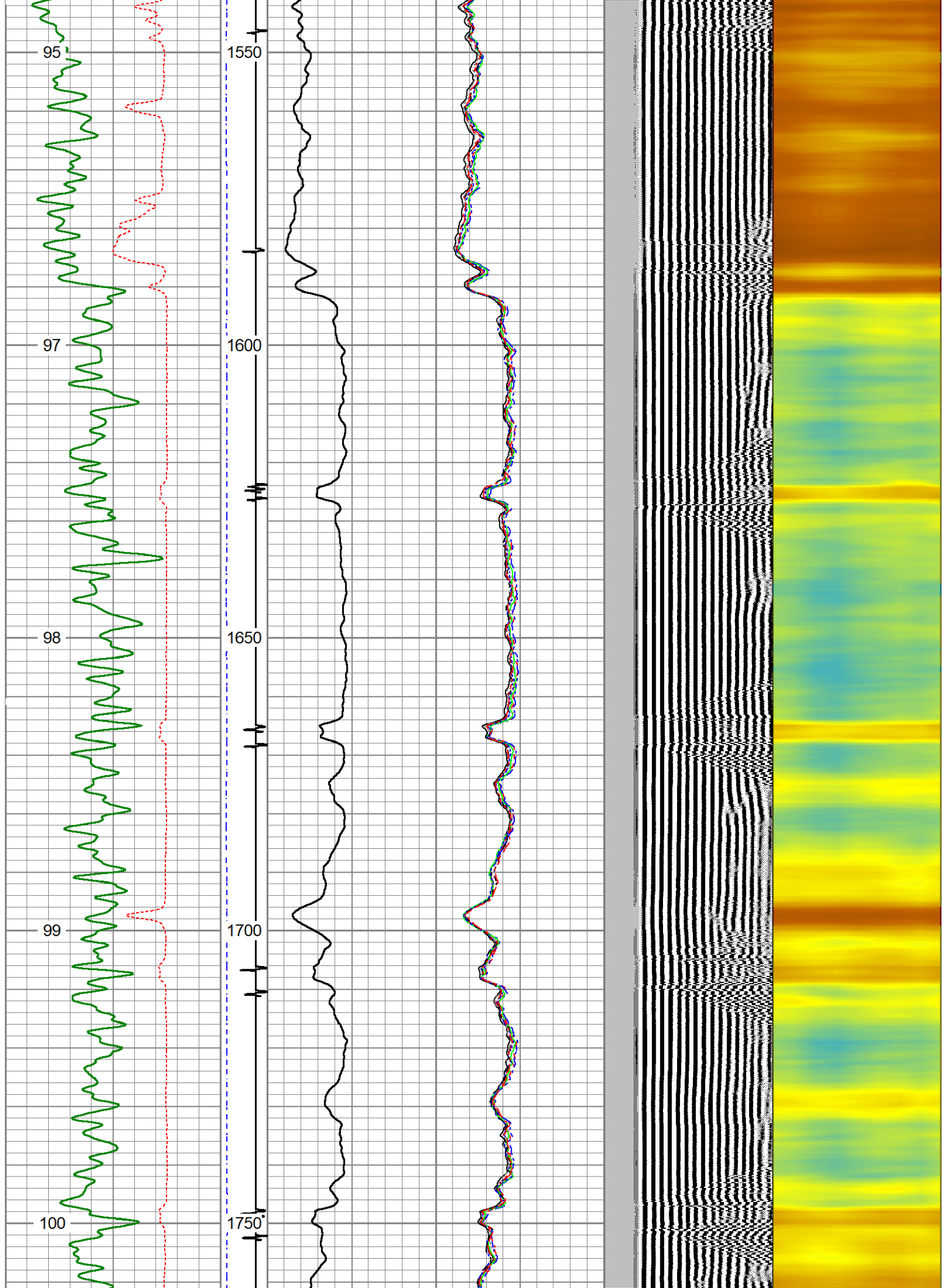


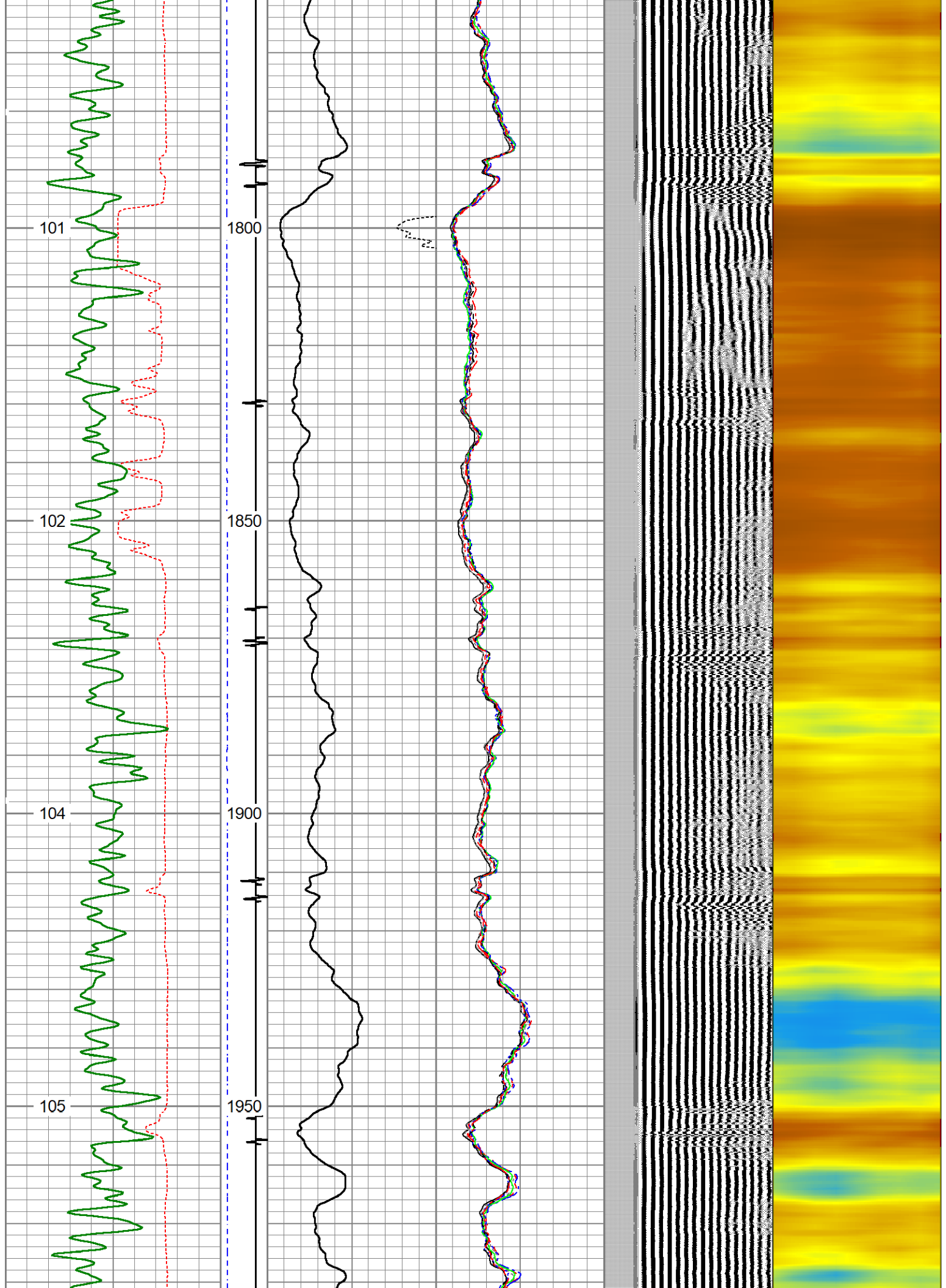


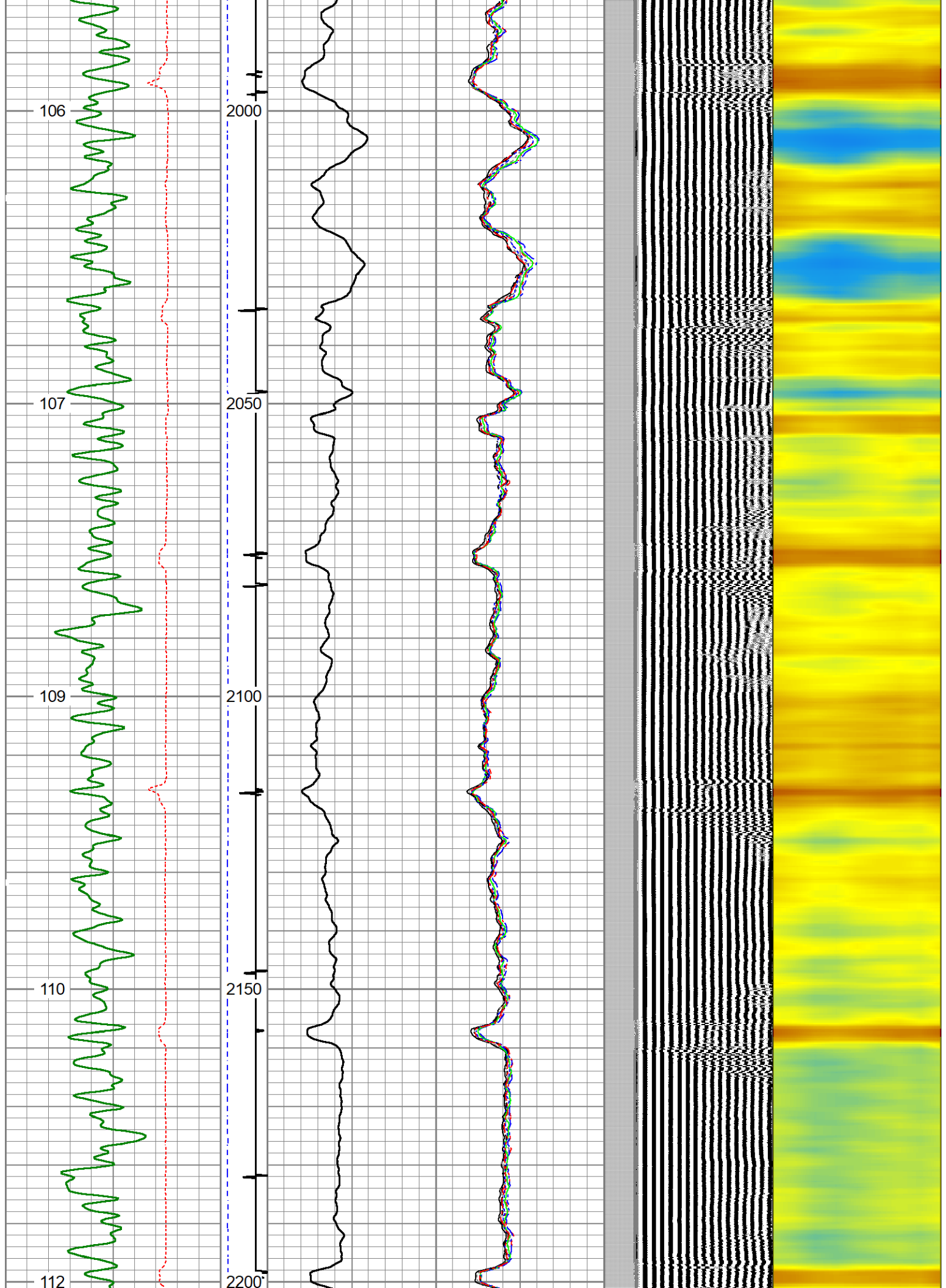


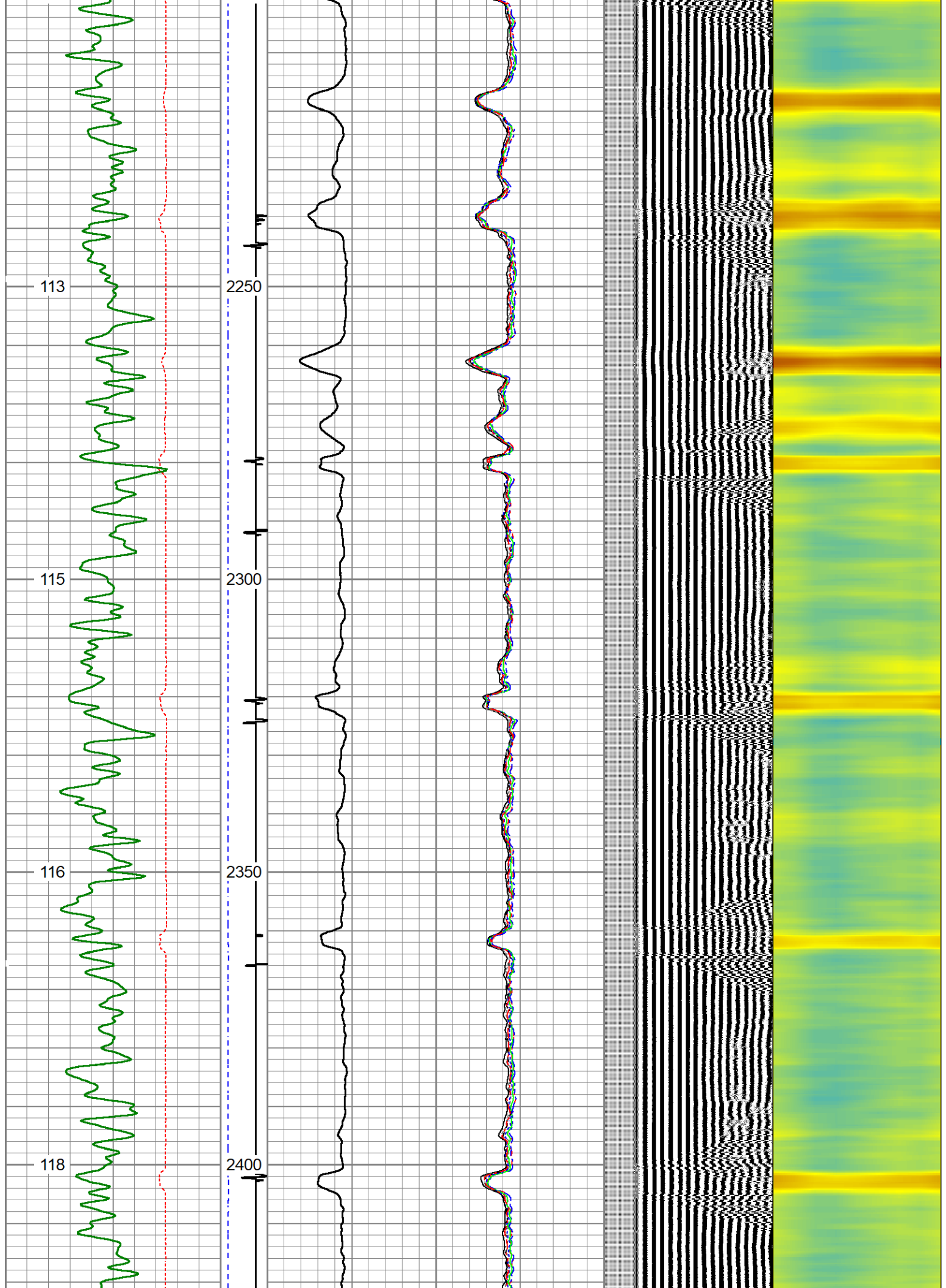


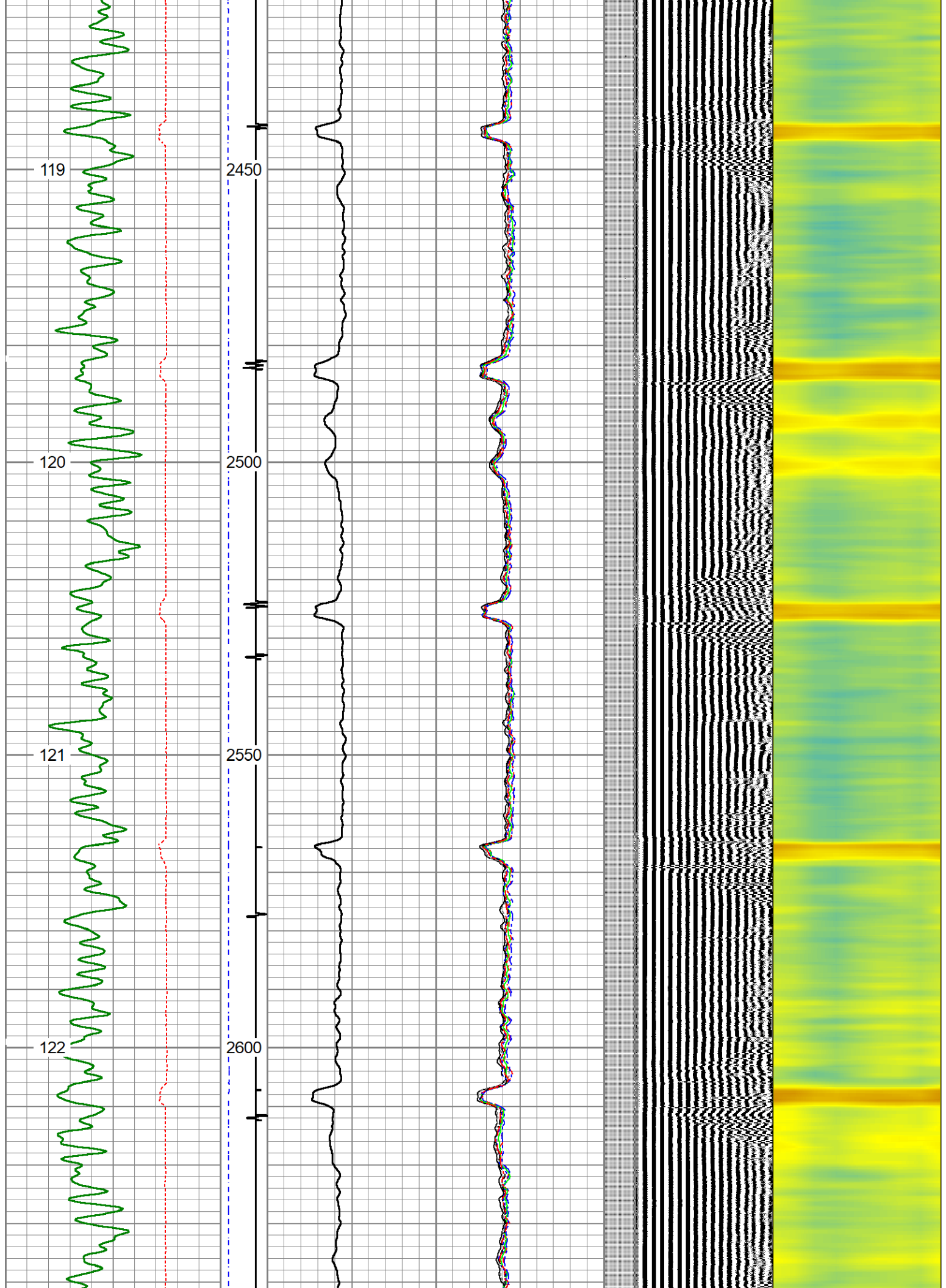


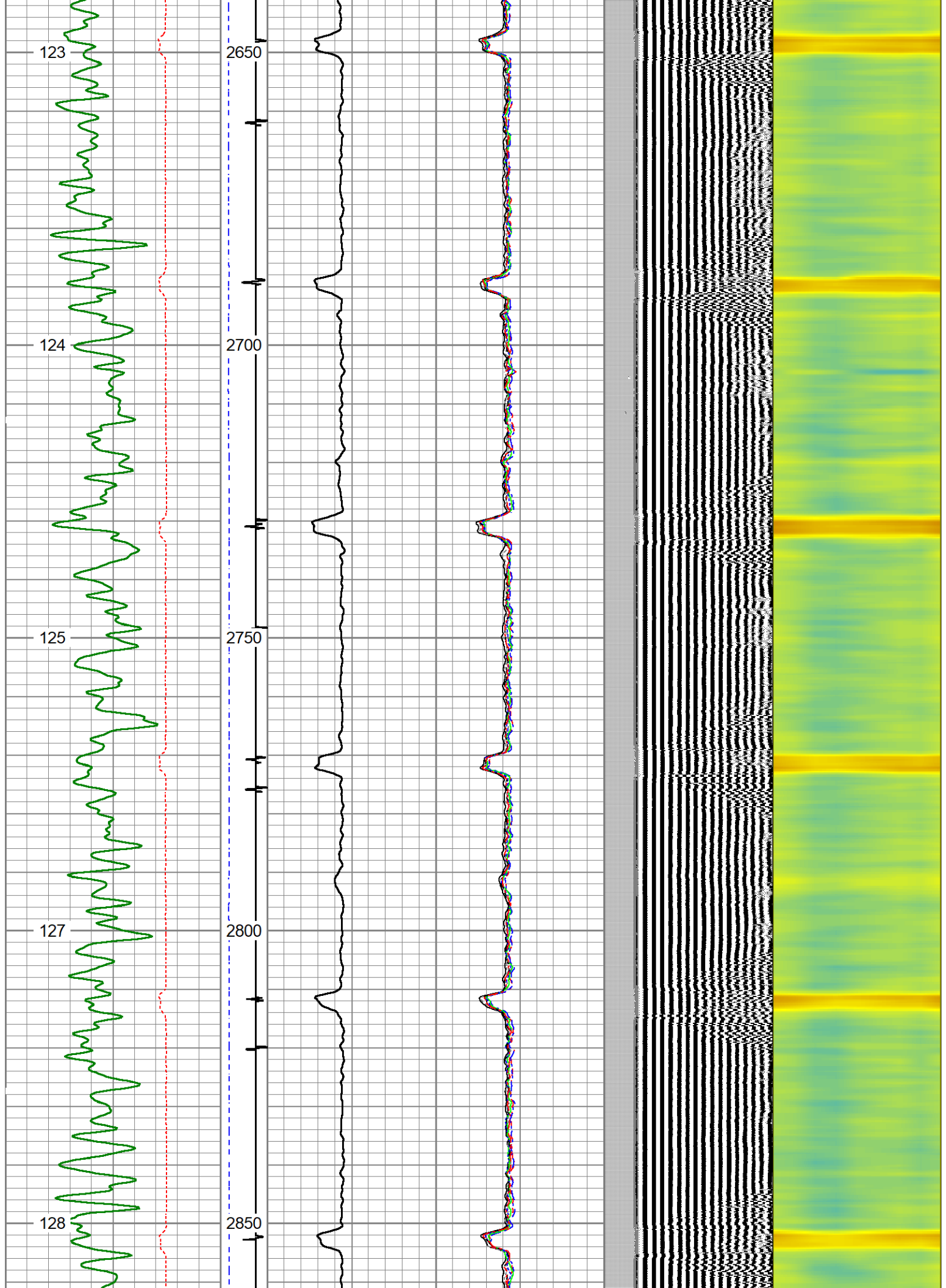


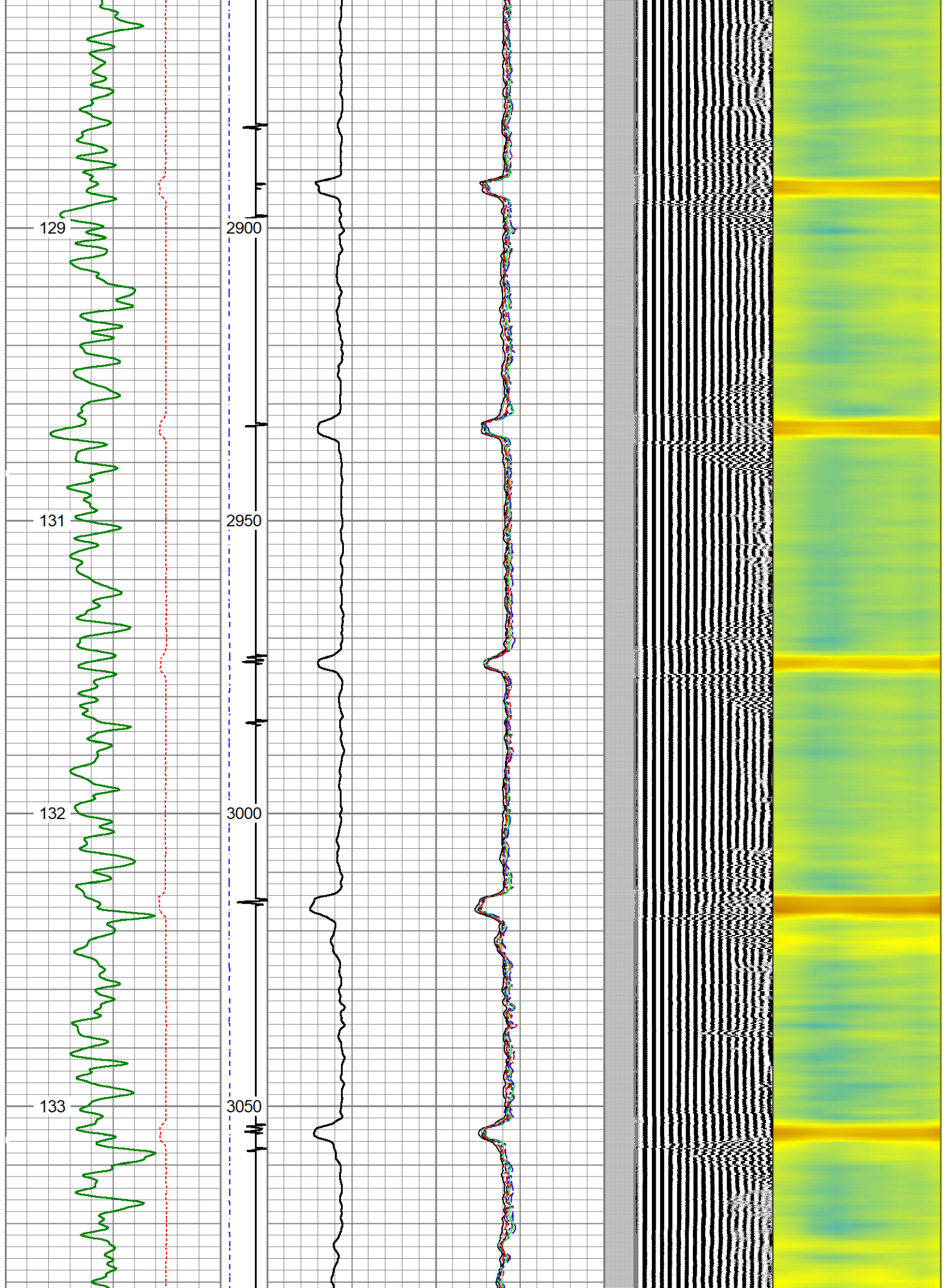


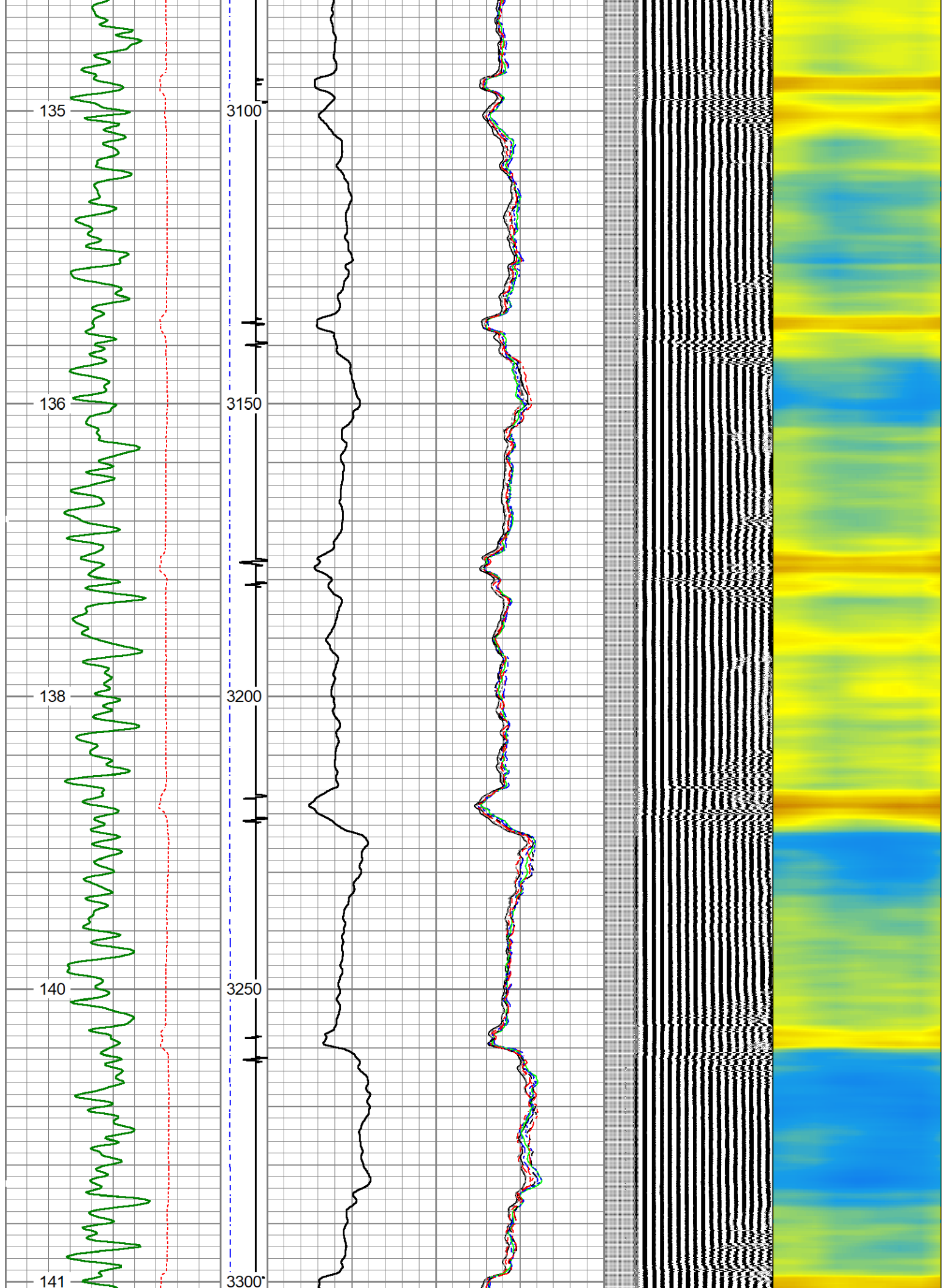


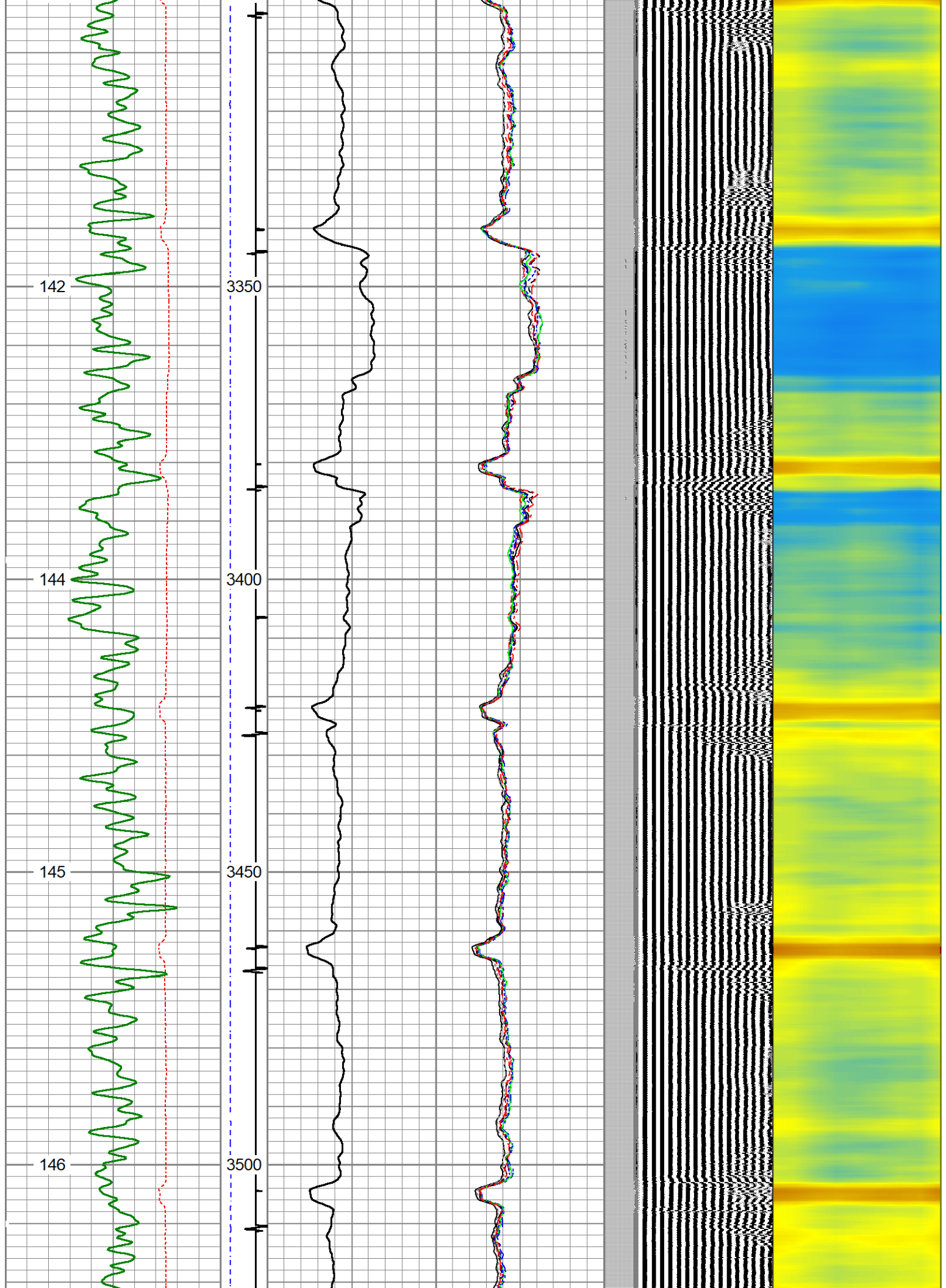


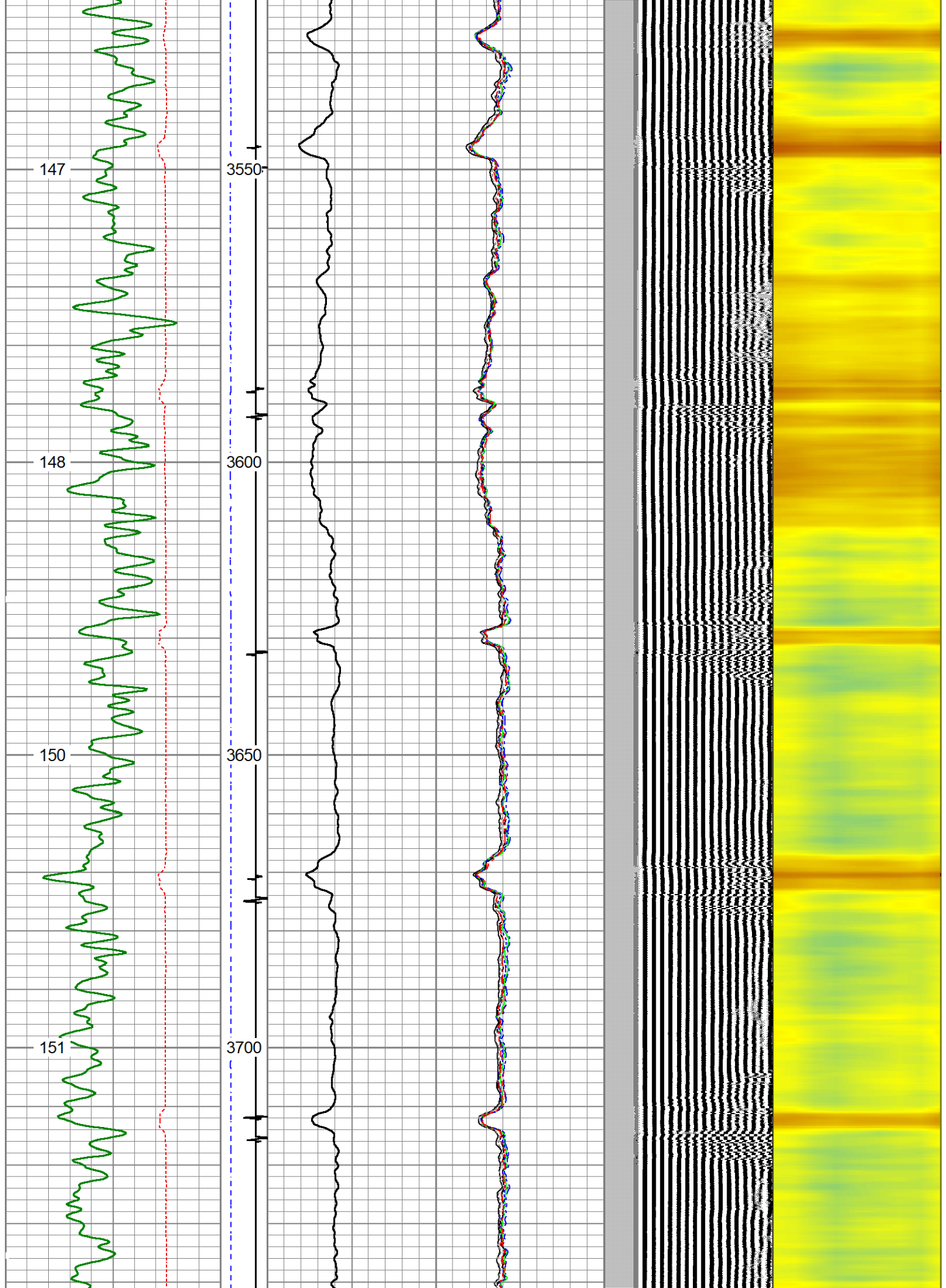


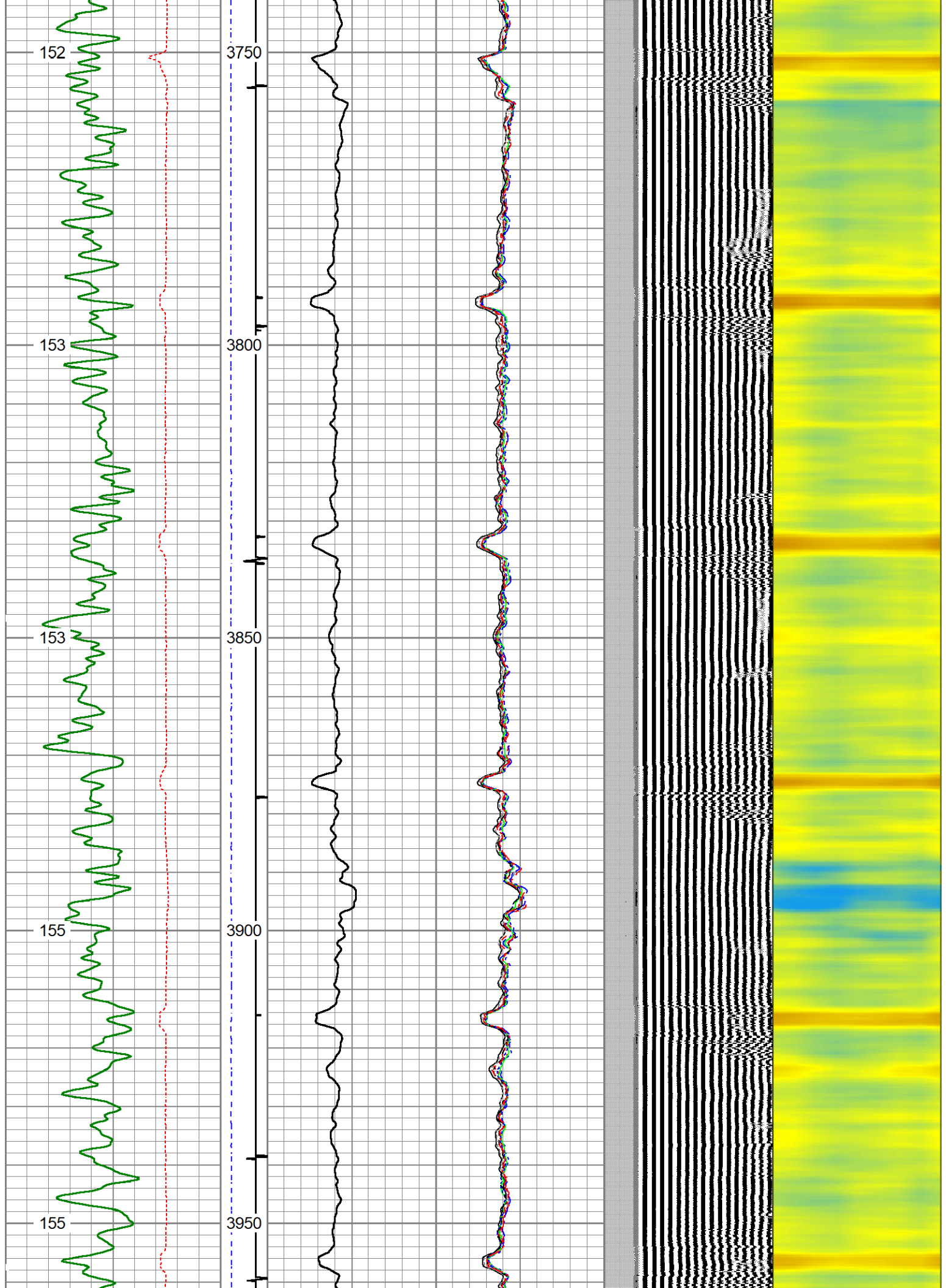


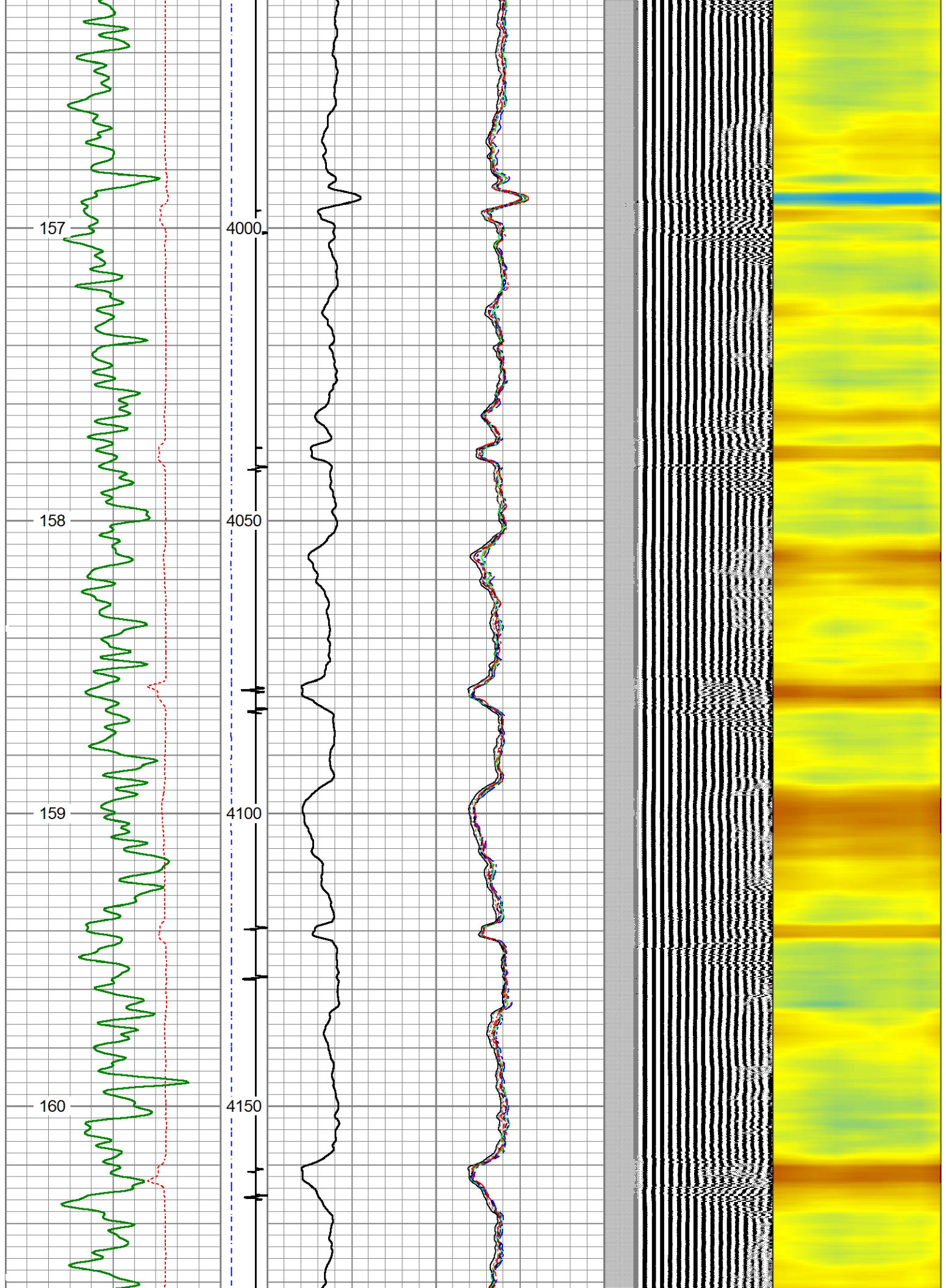


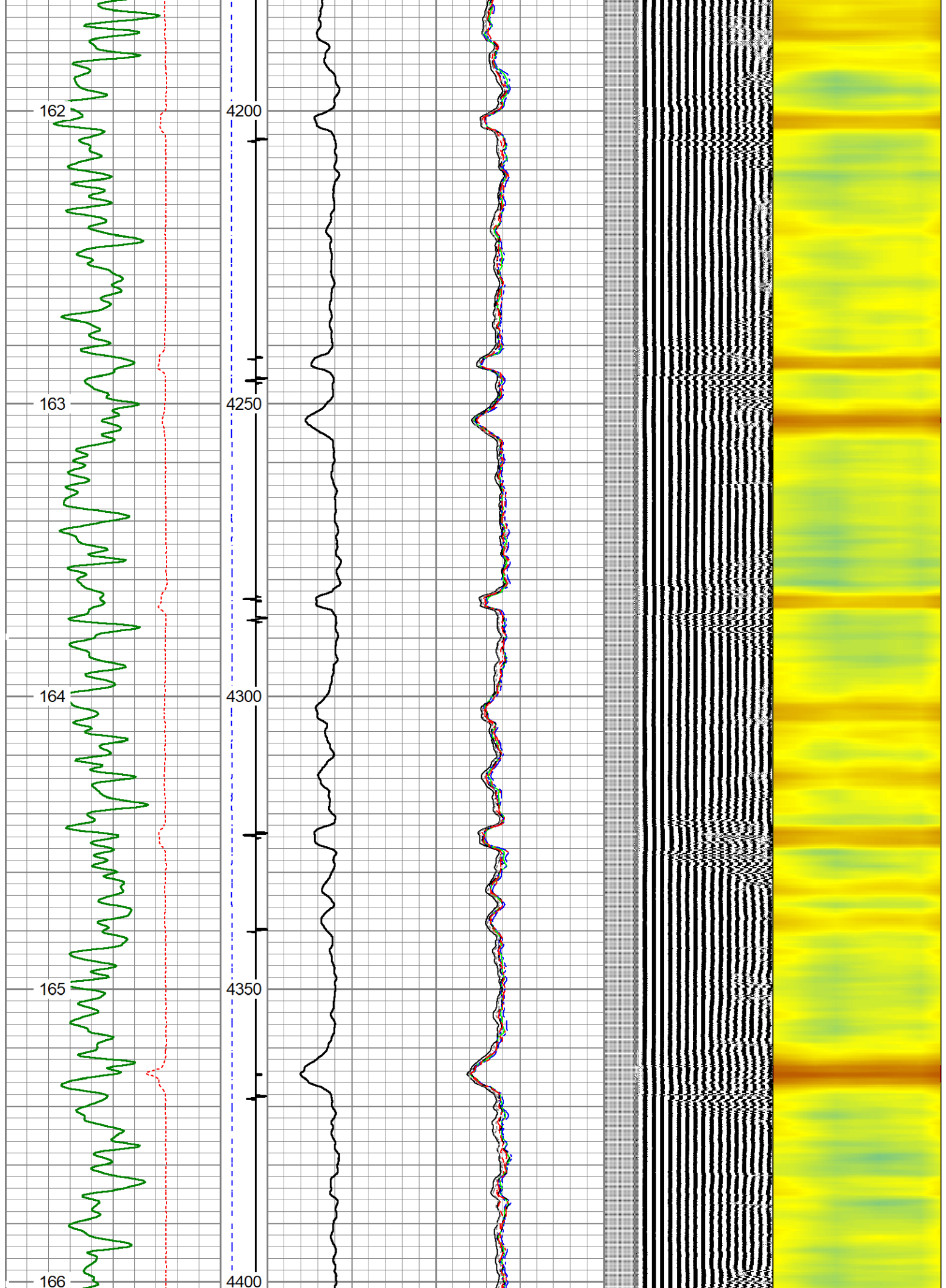


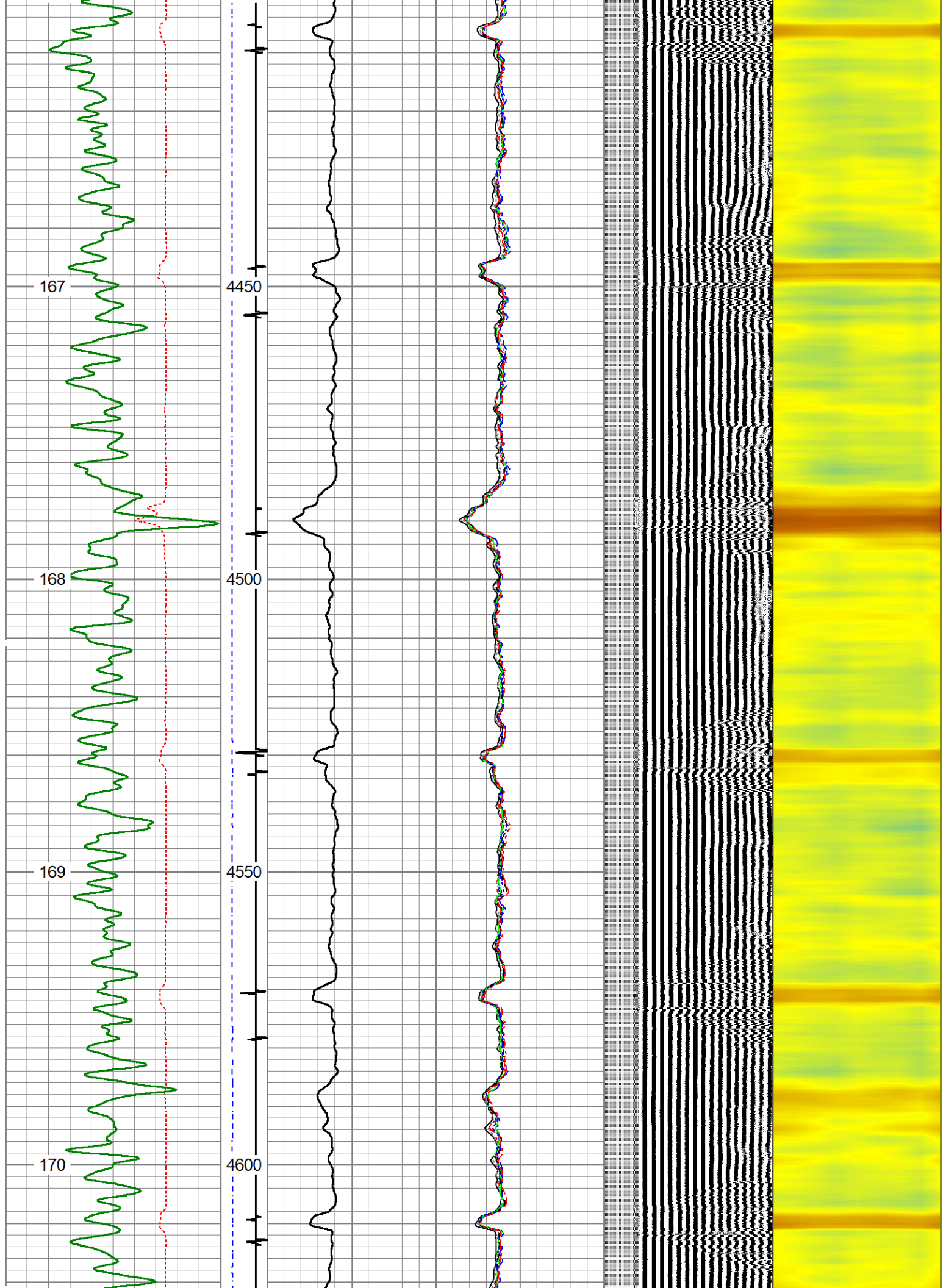


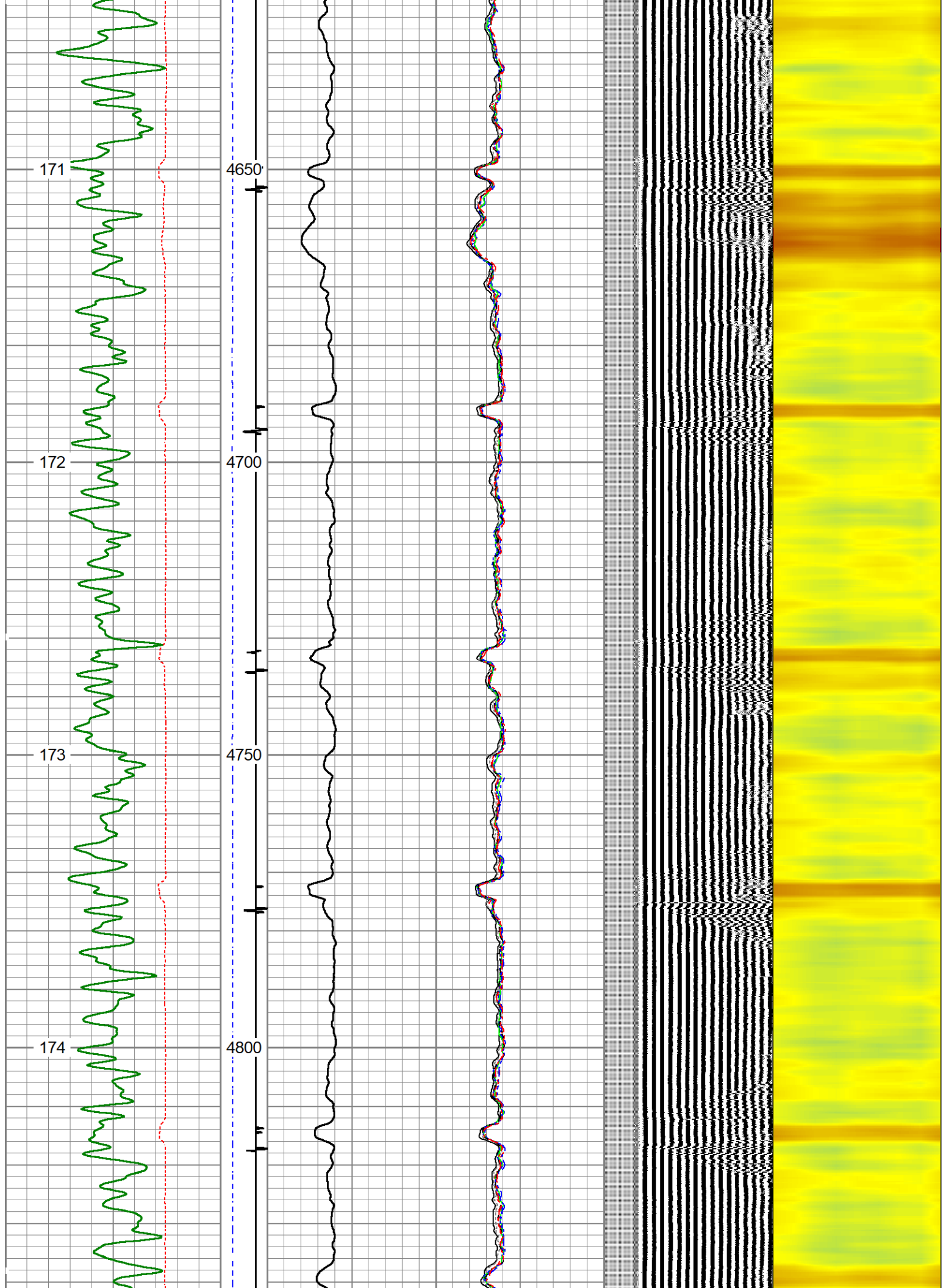


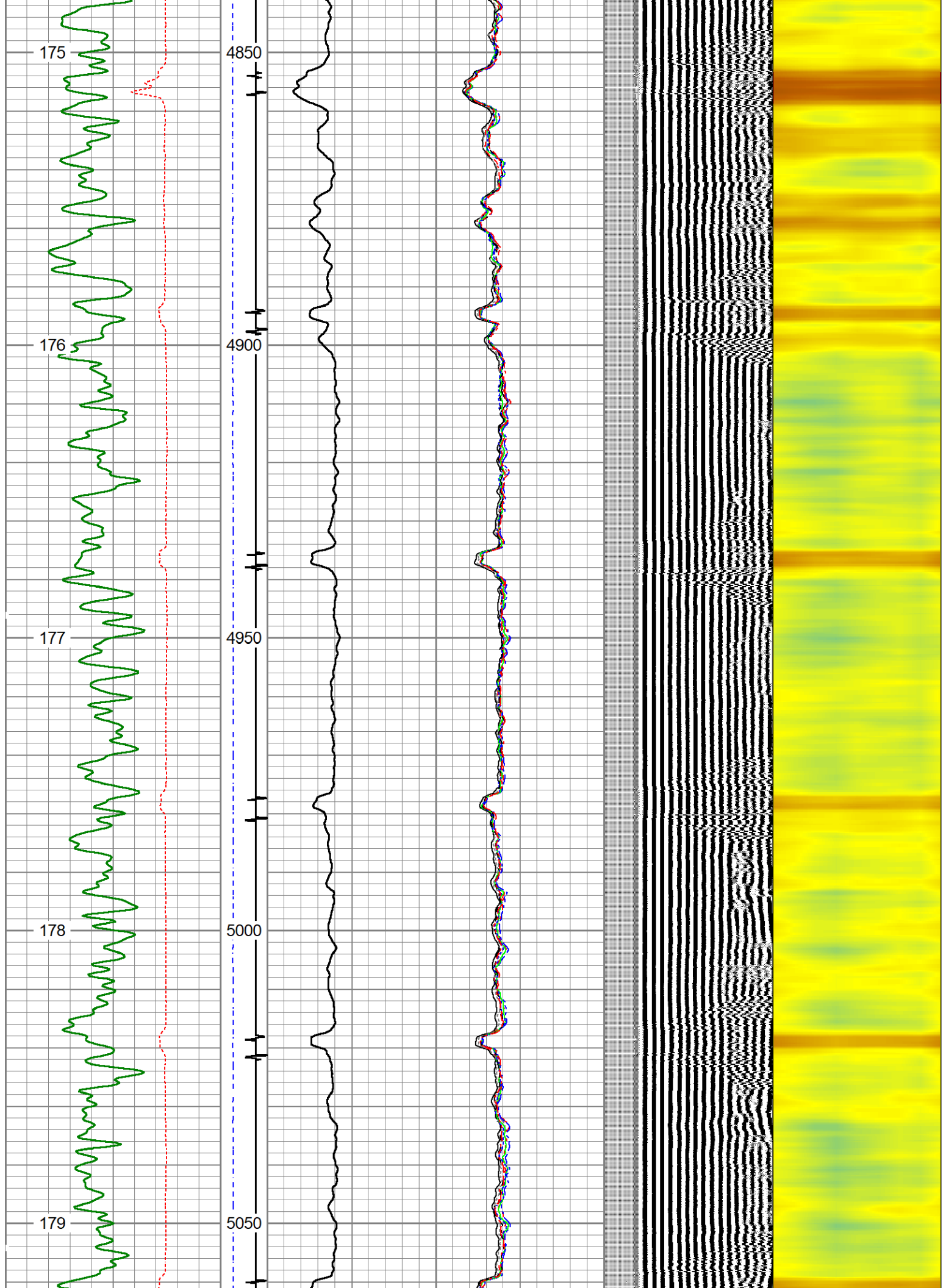


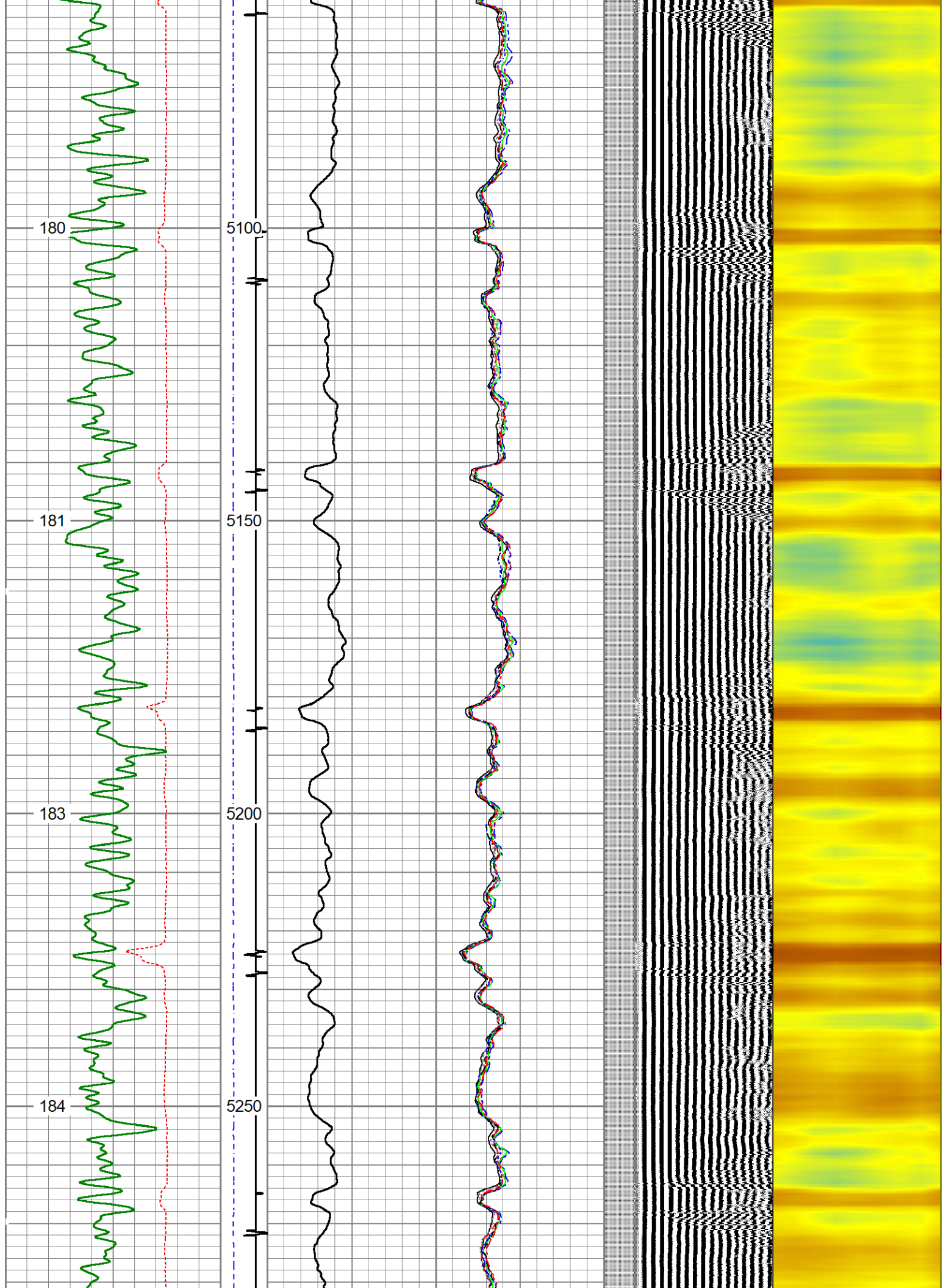


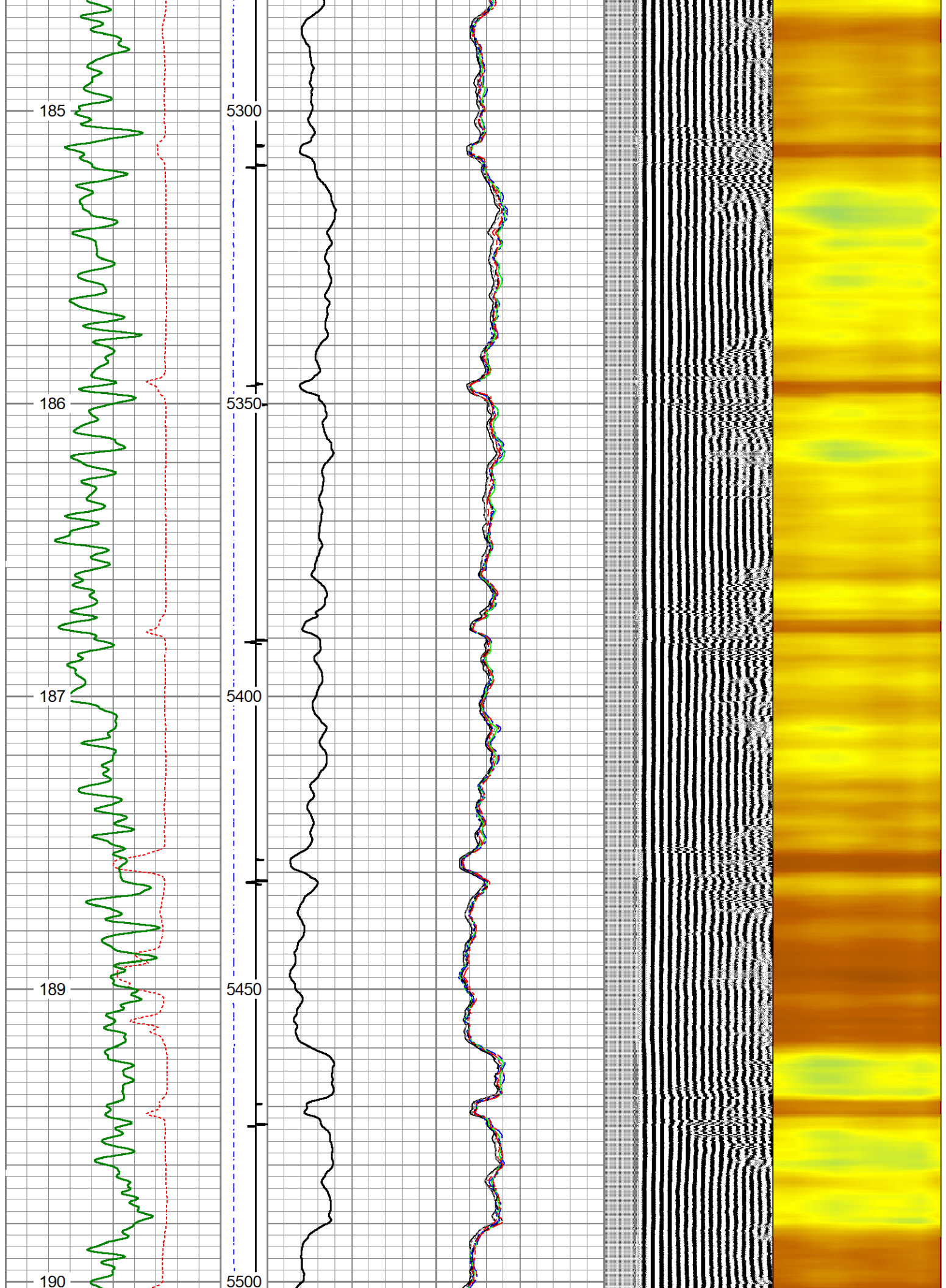


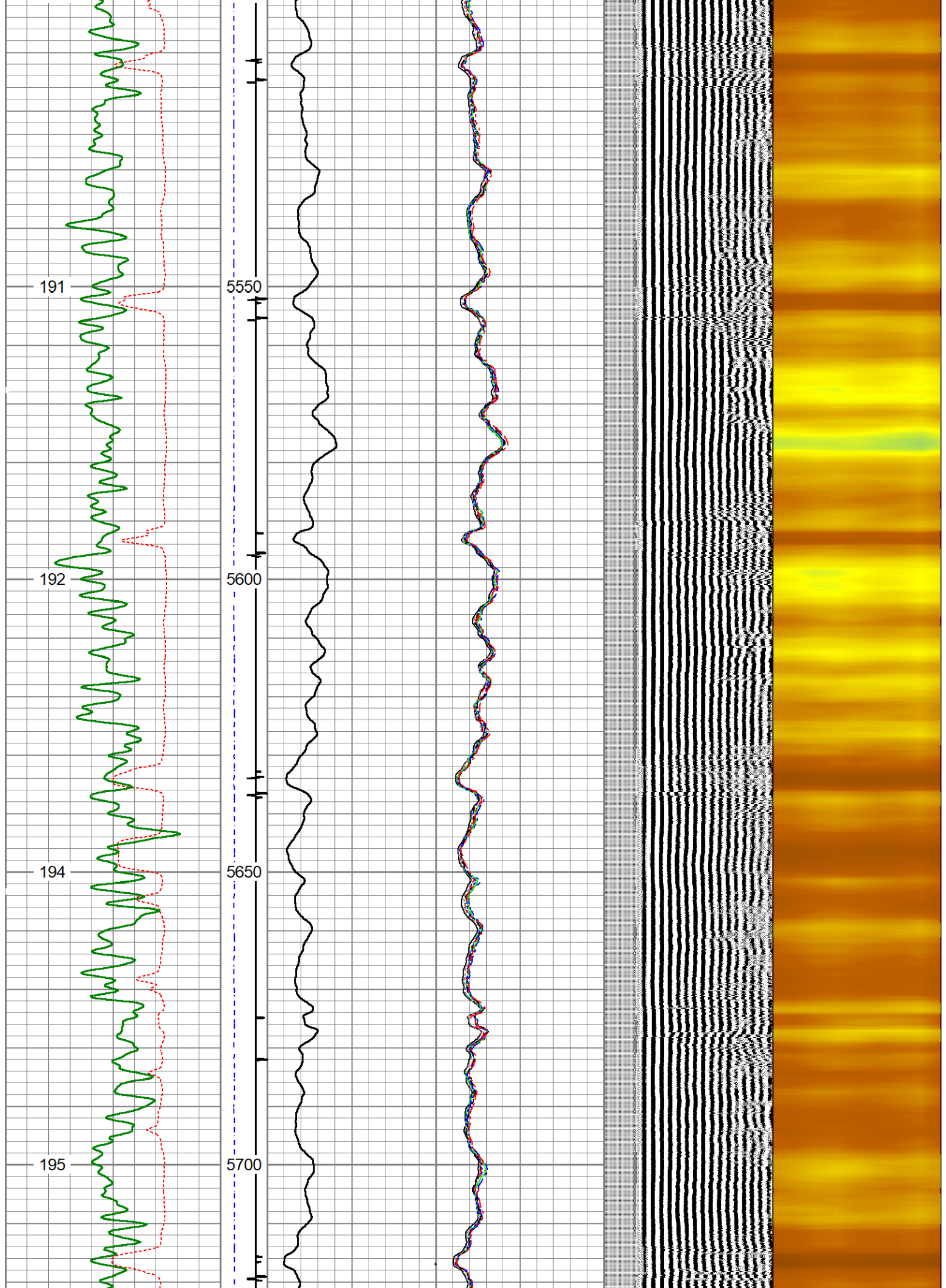


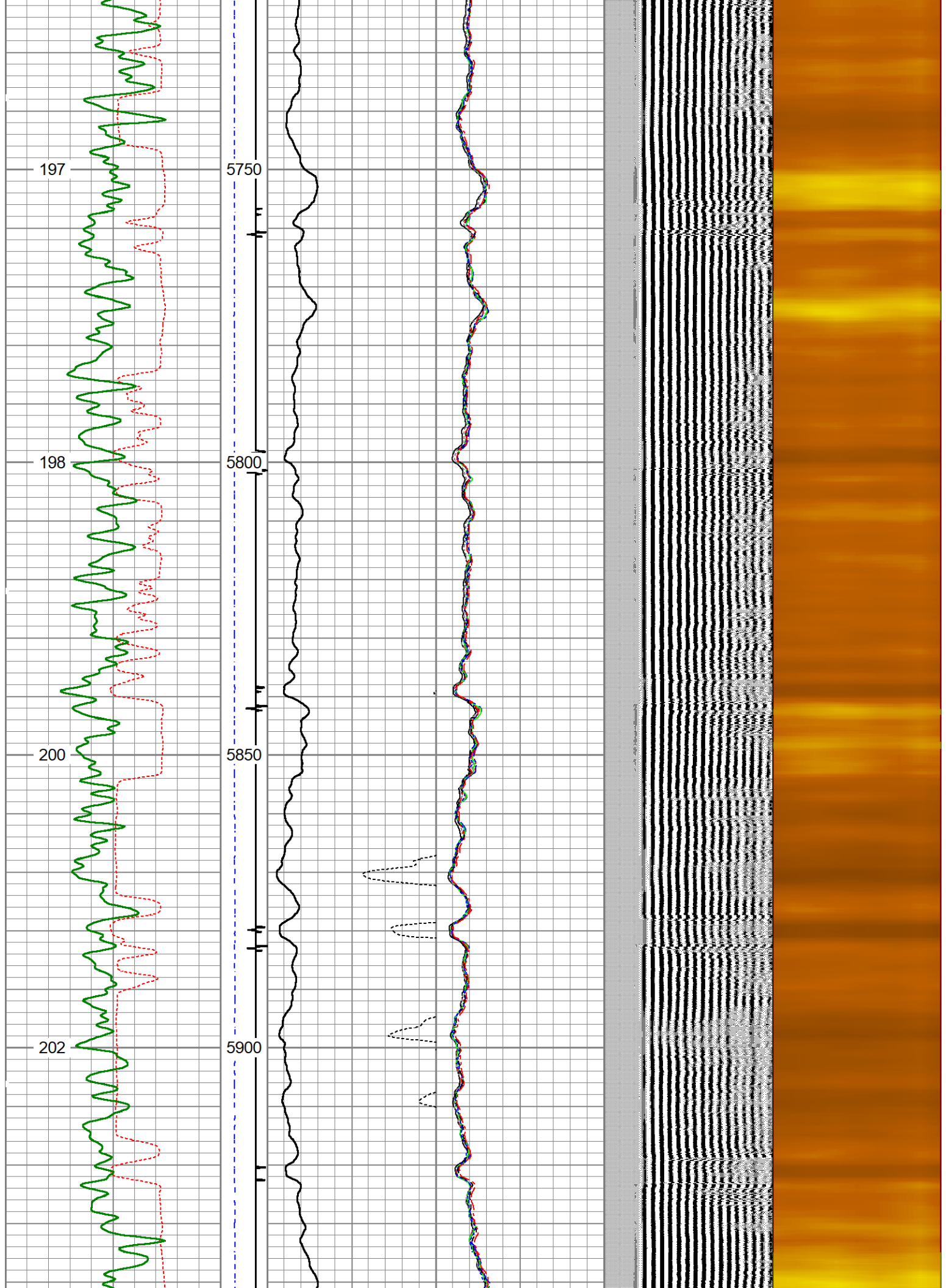


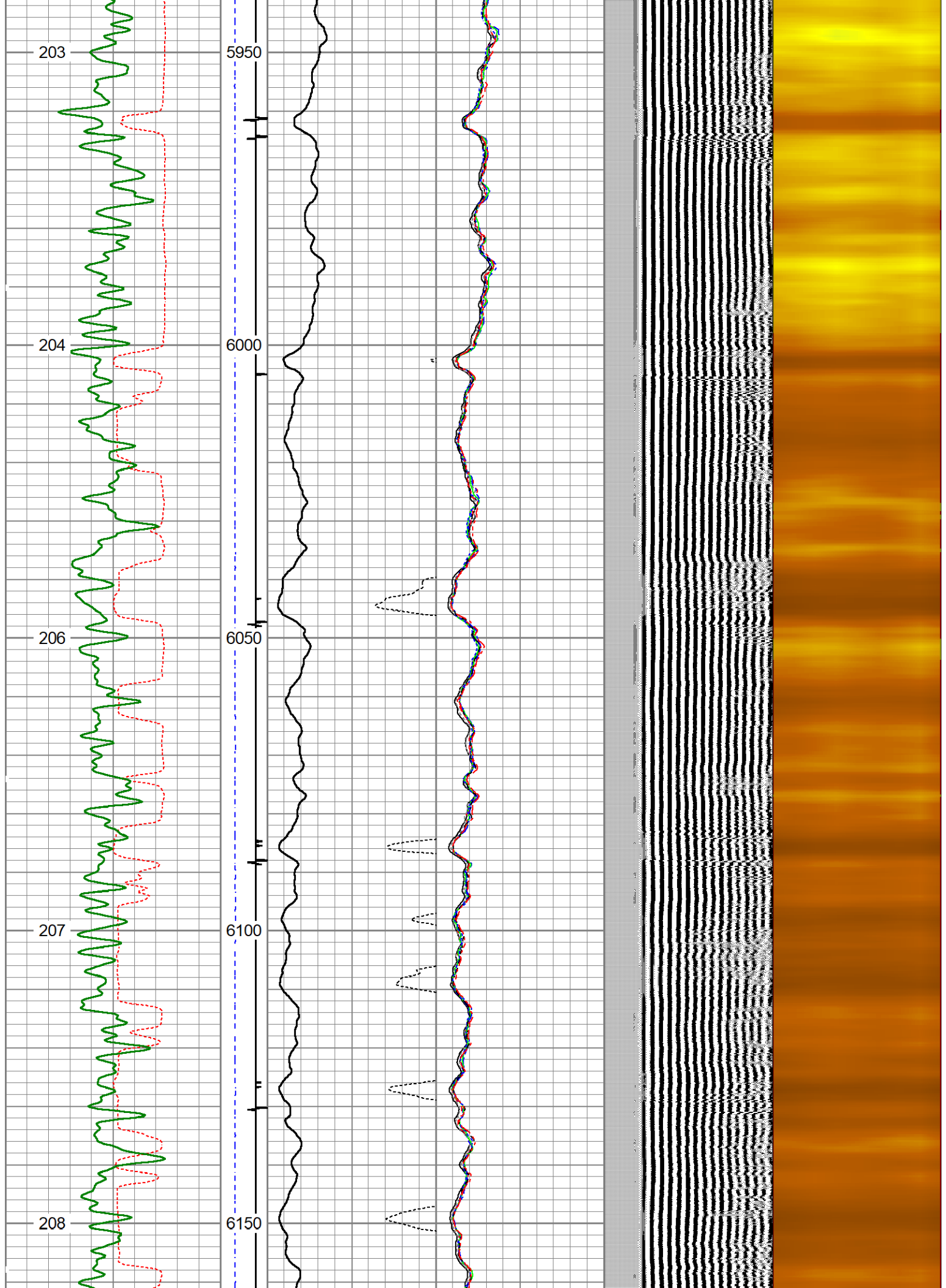


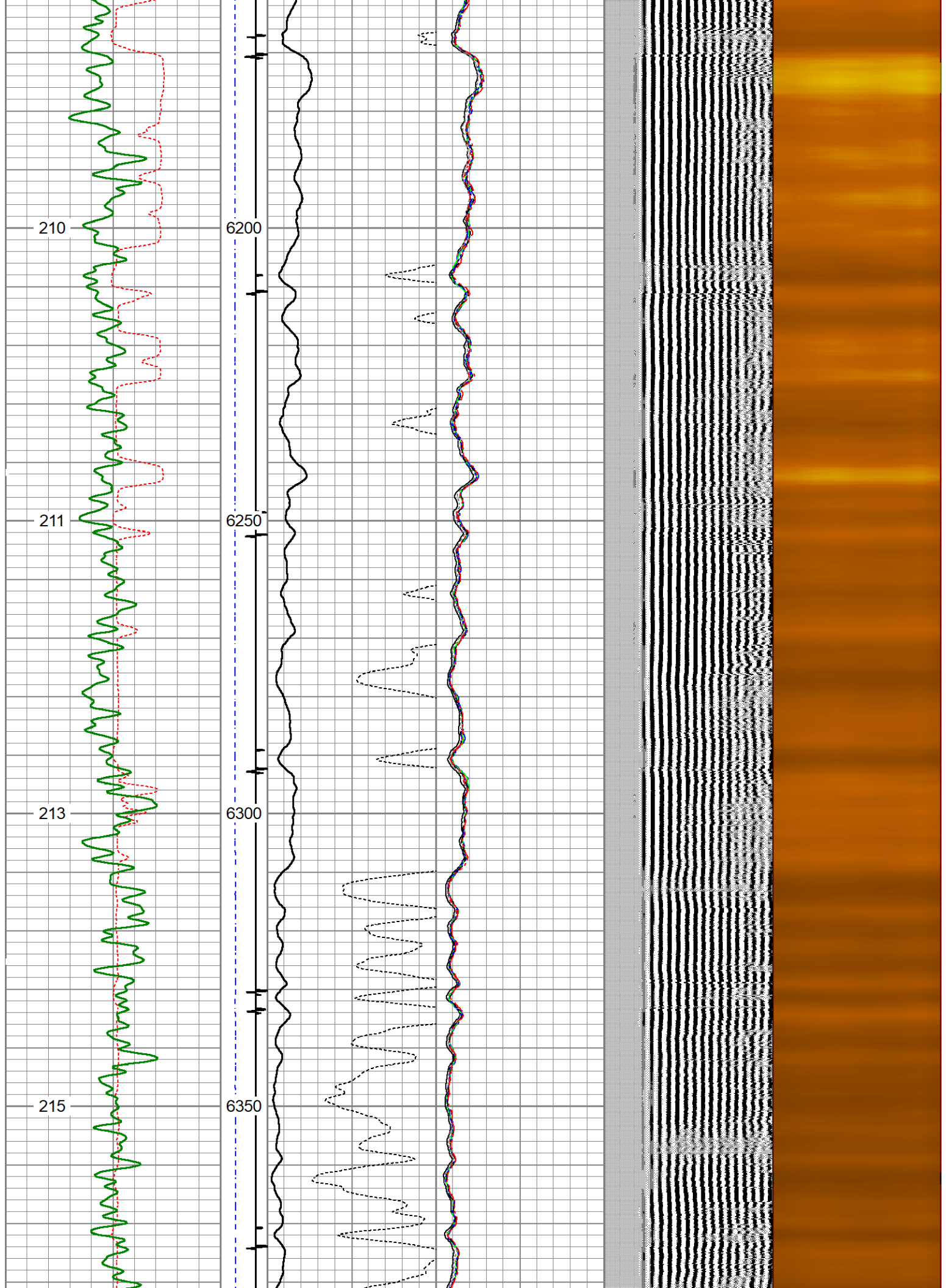


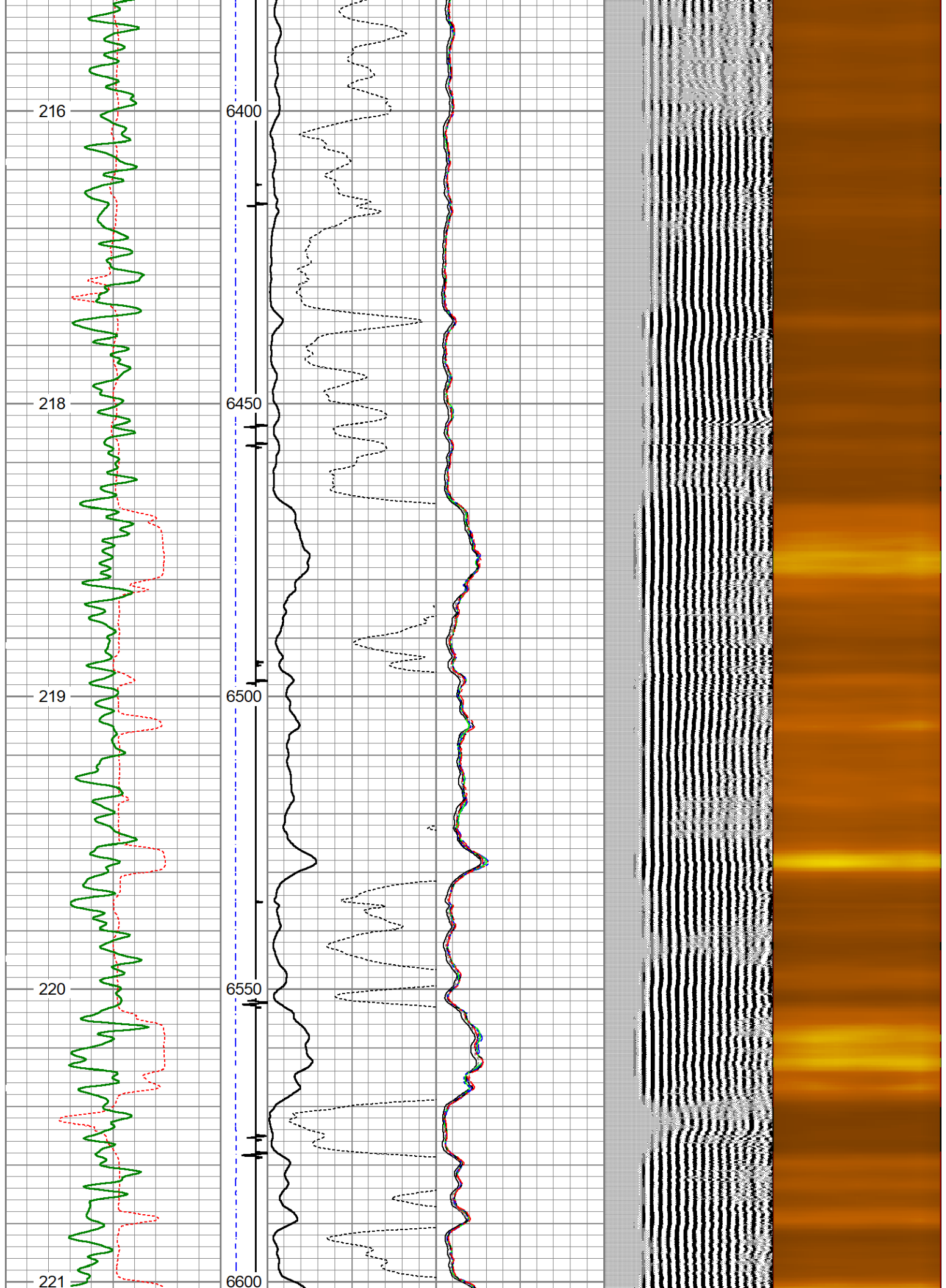


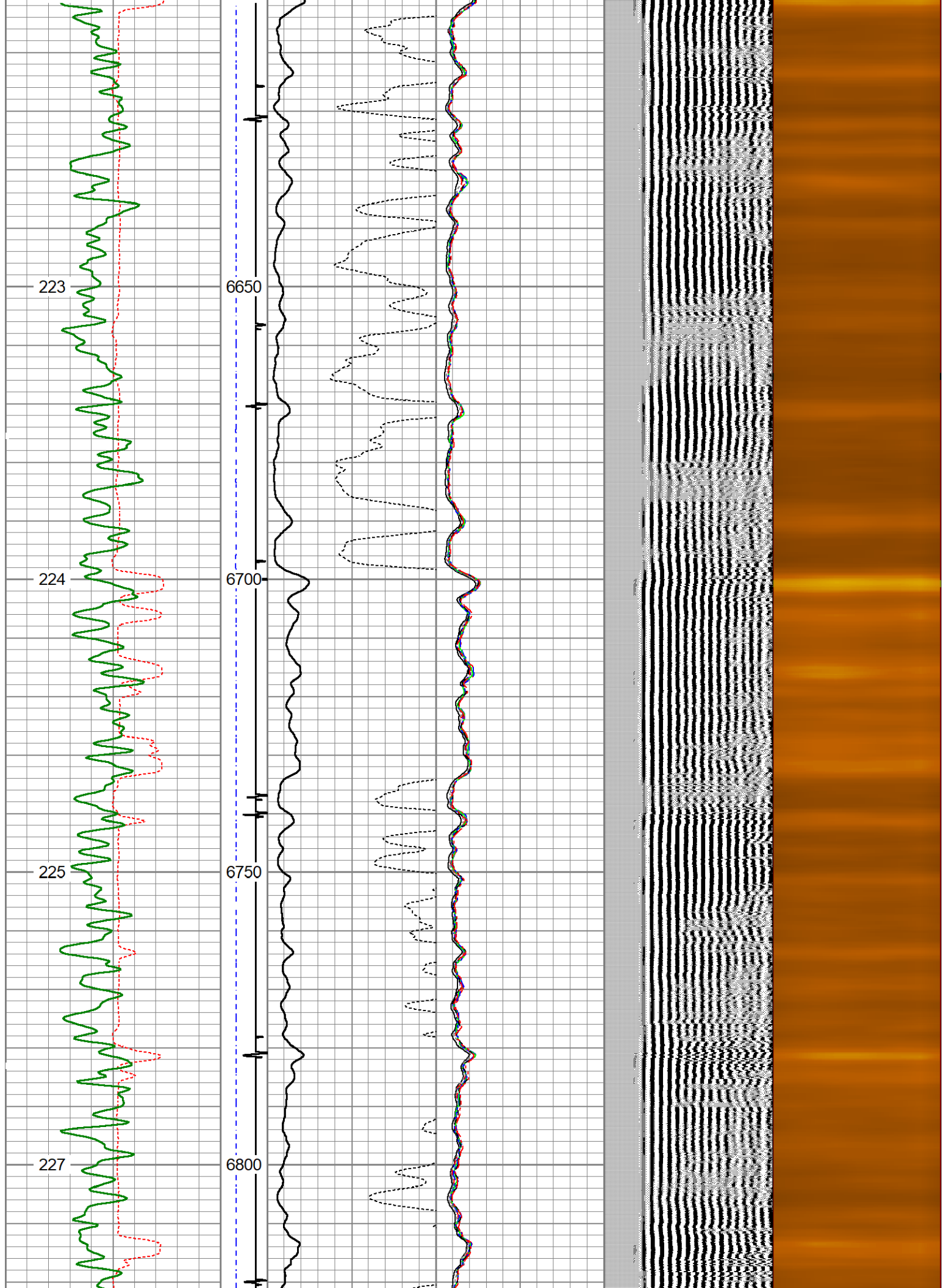


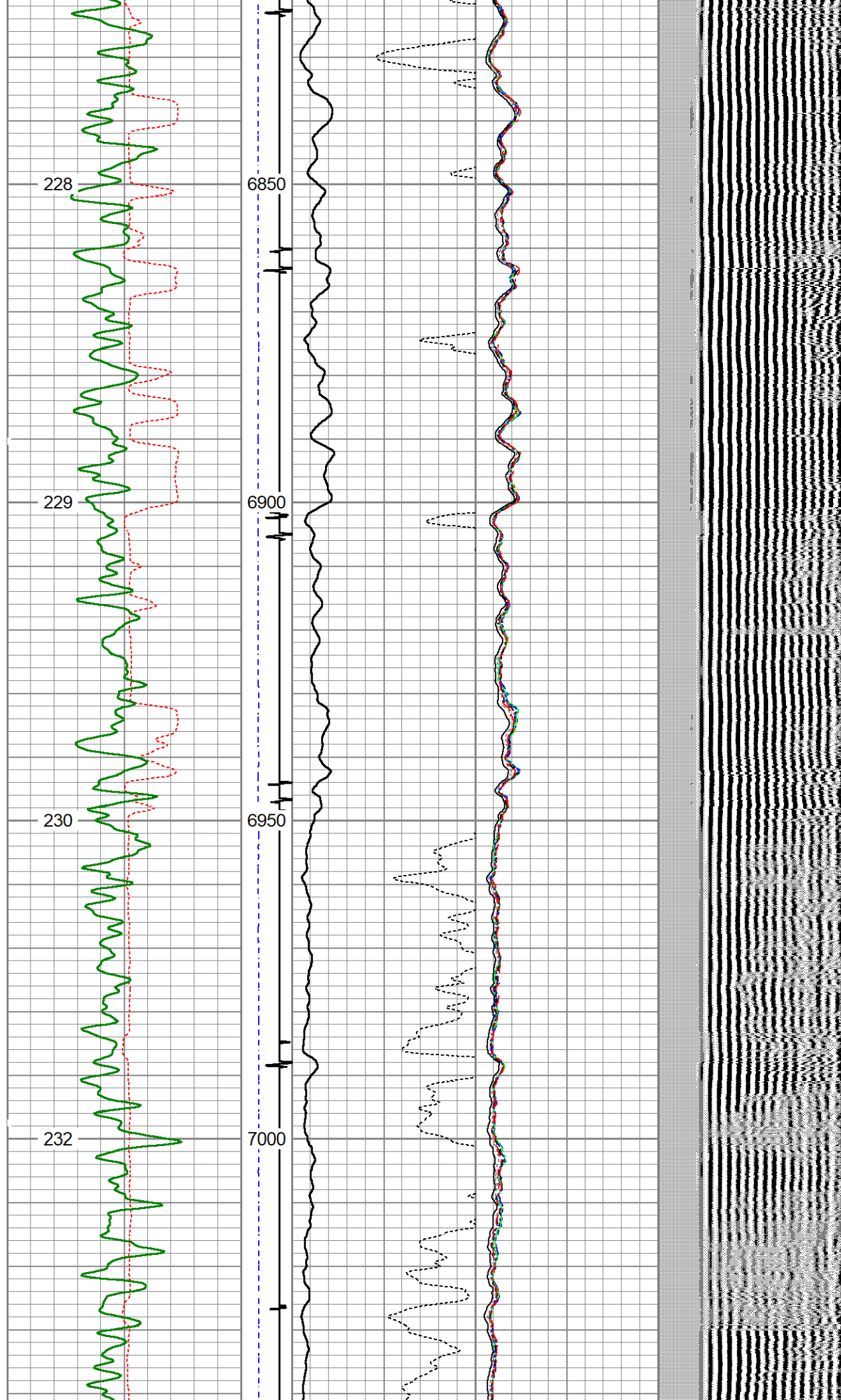


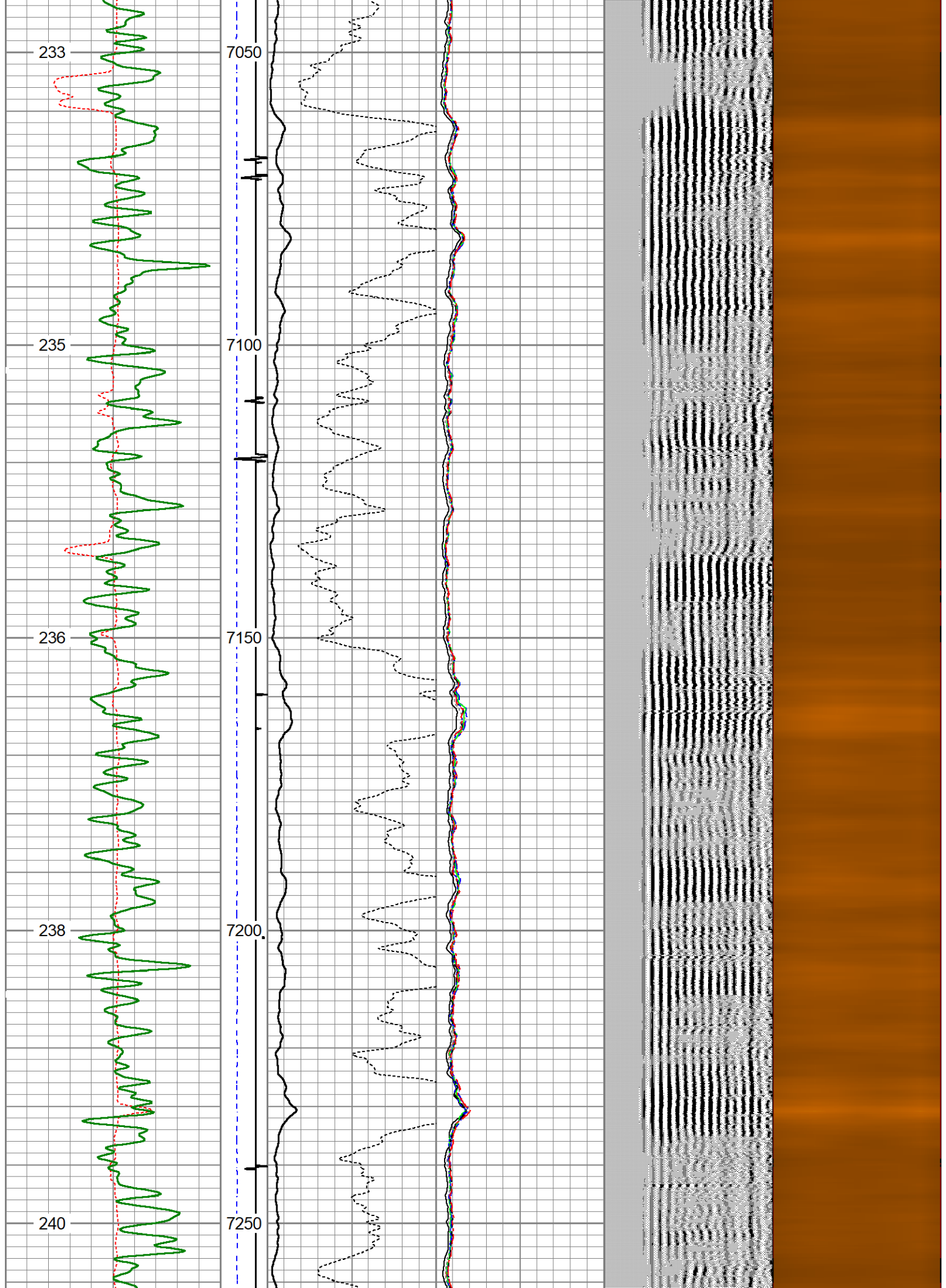


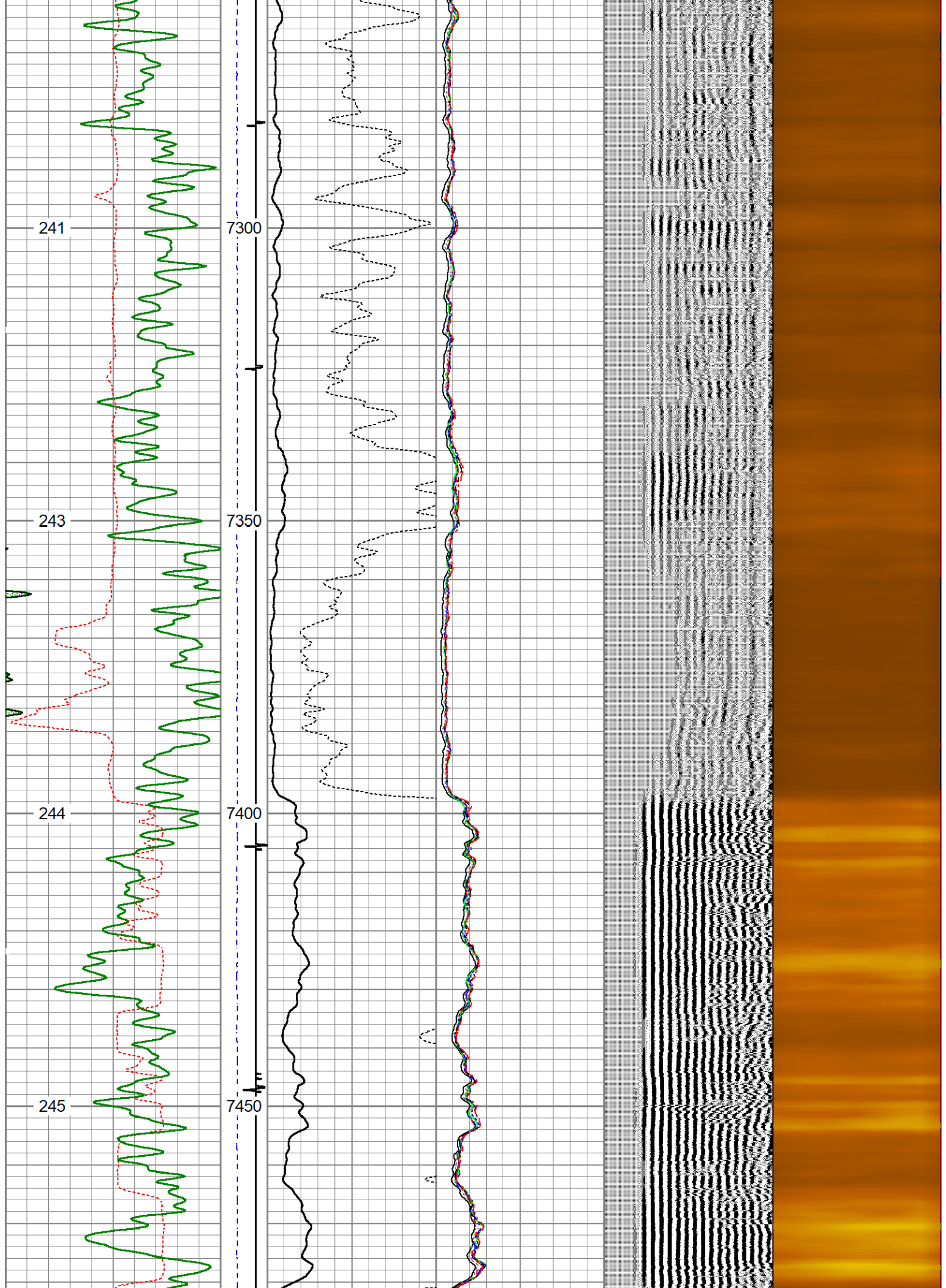


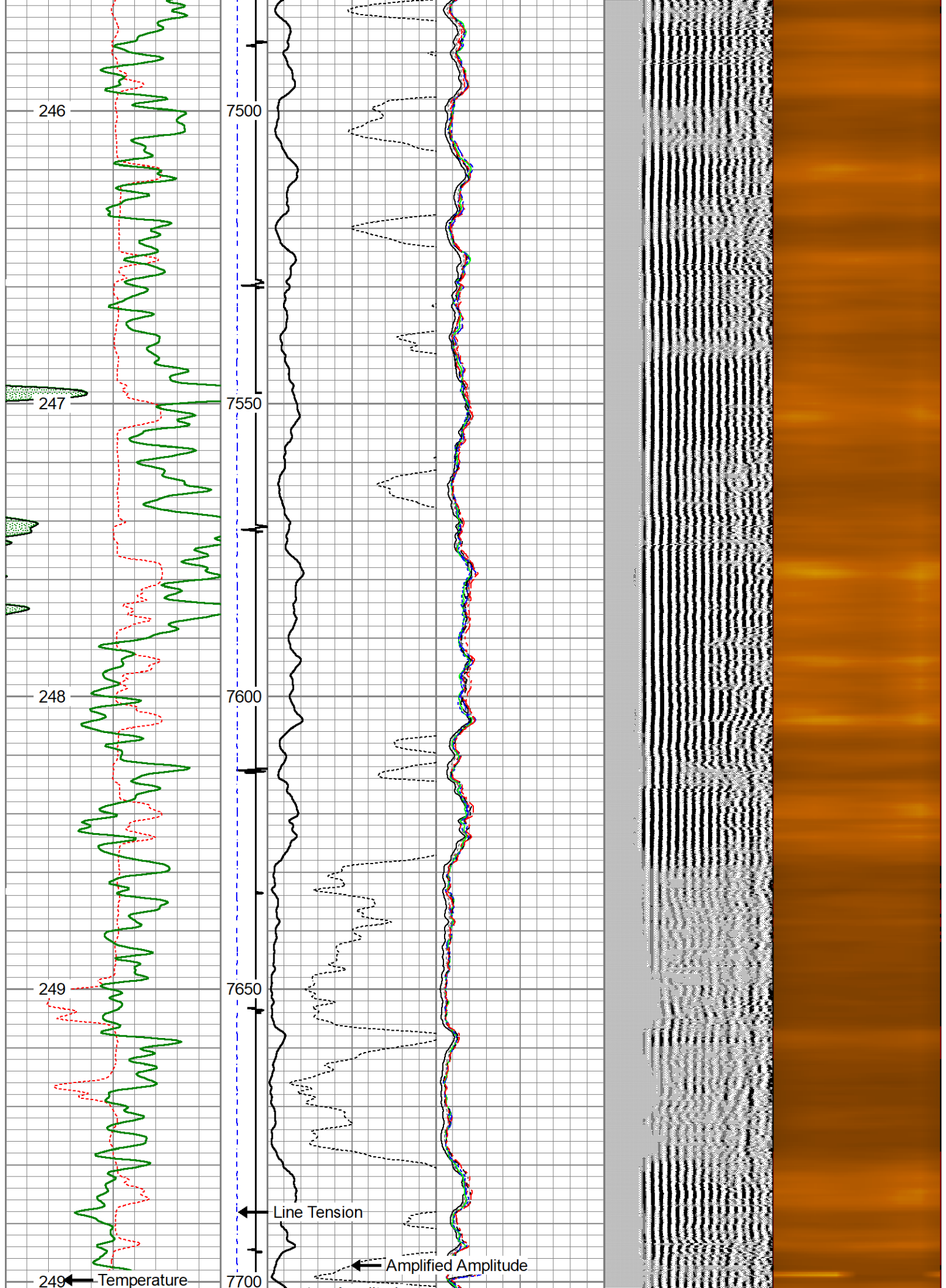


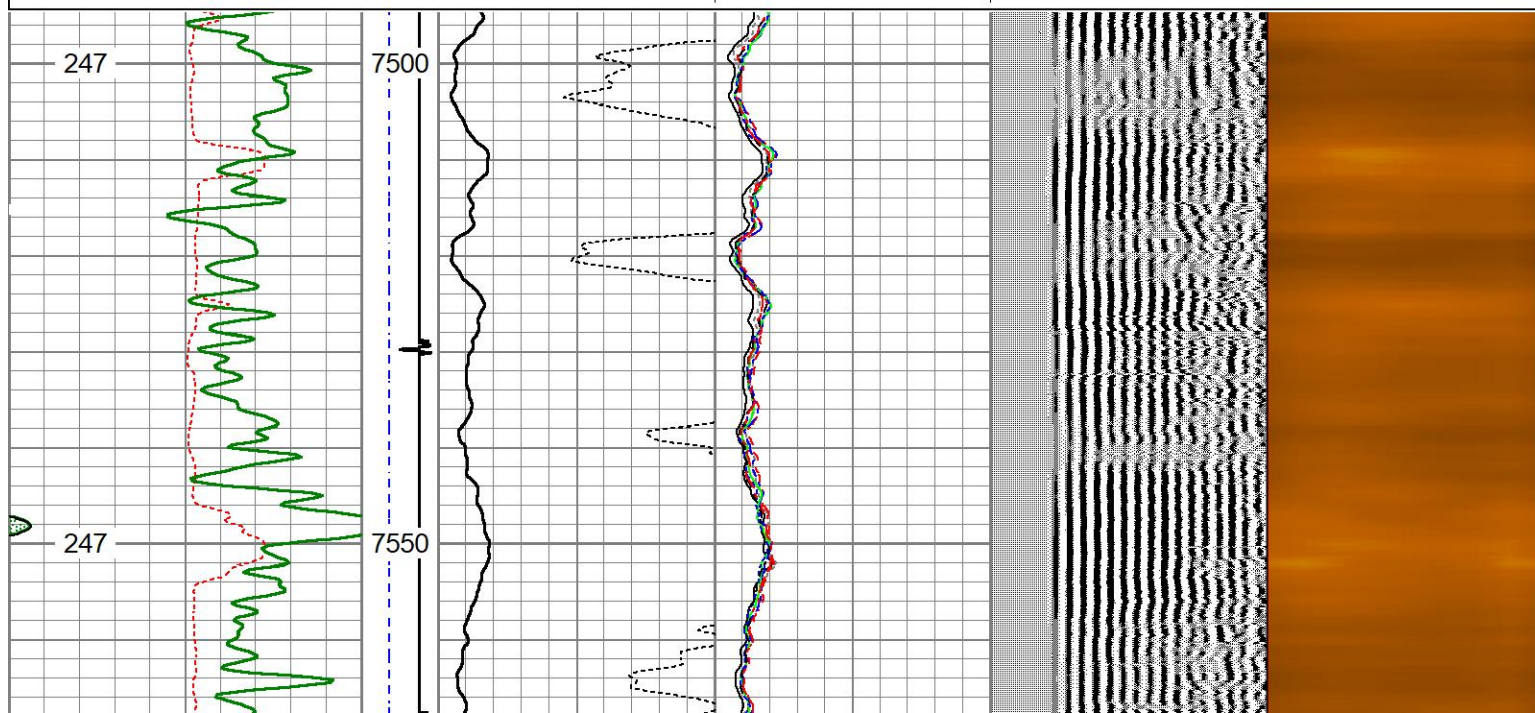
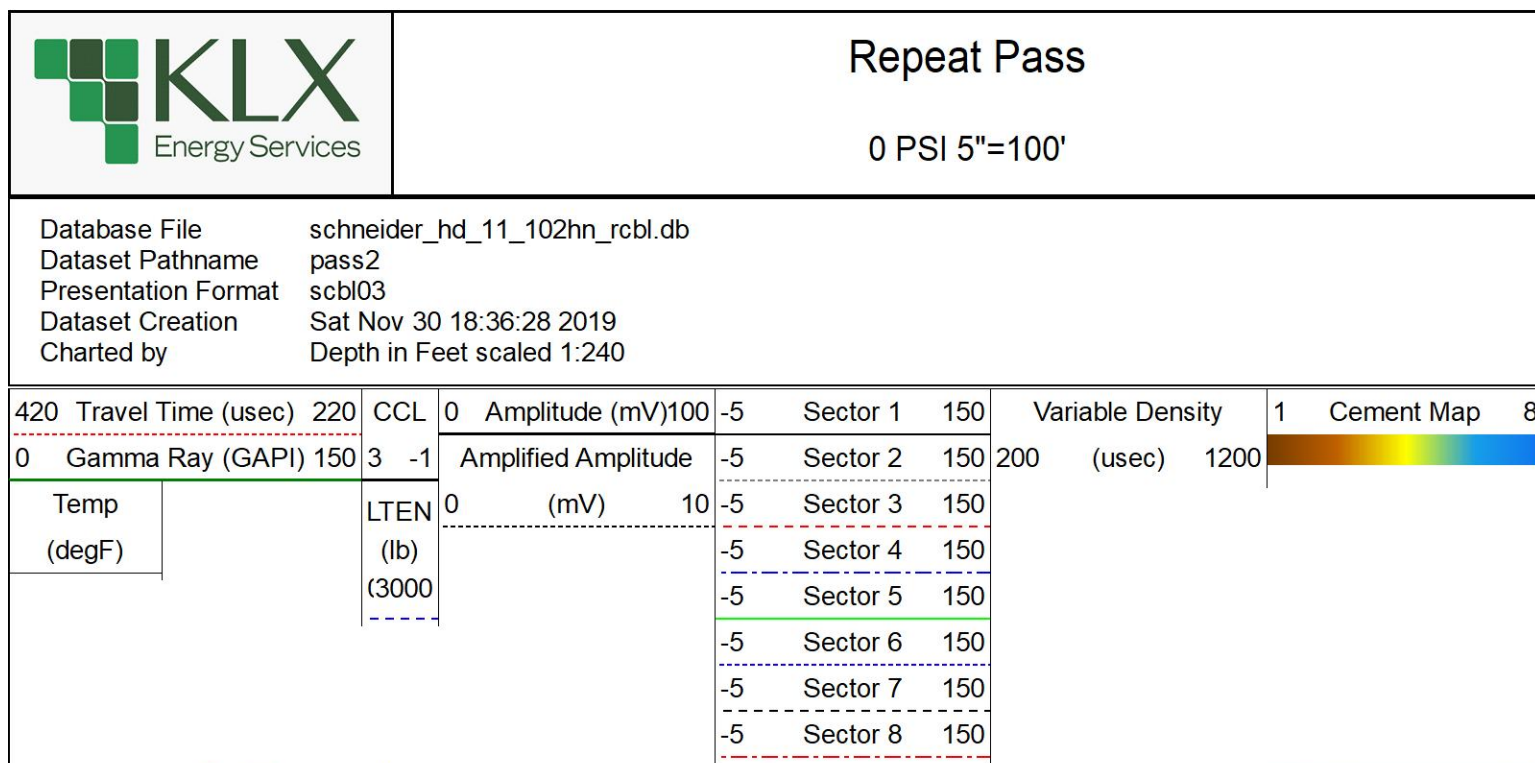
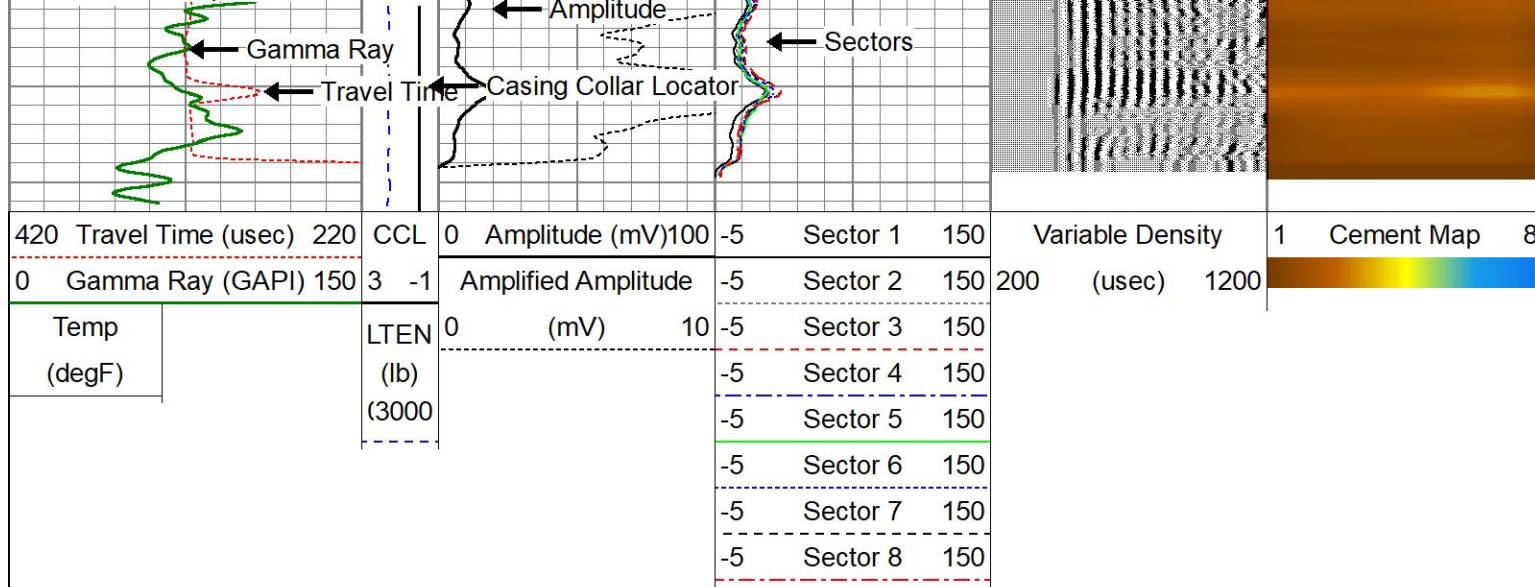


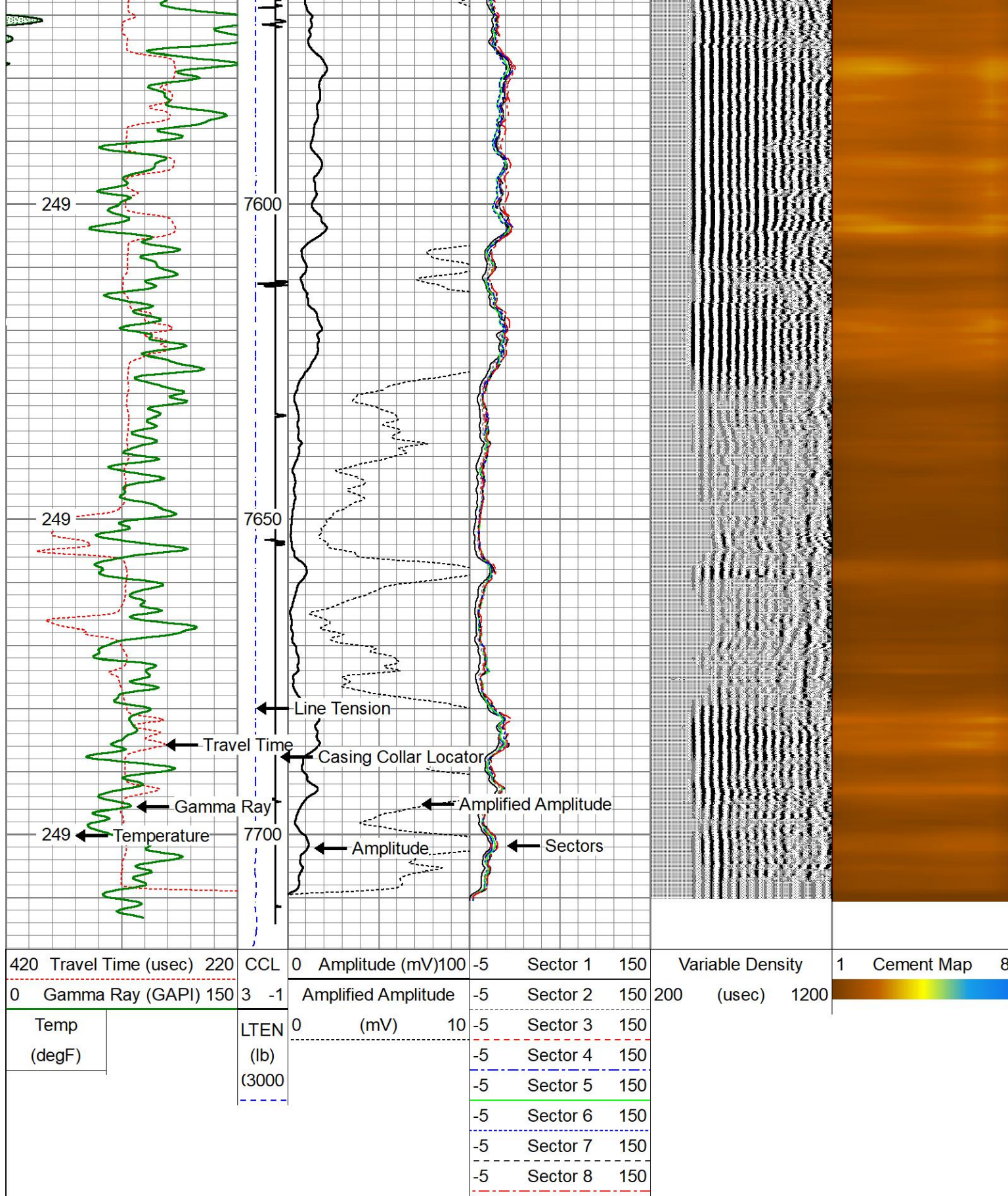












Log Variables

DatabaseC:\ProgramData\Warrior\Data\schneider_hd_11_102hn_rcbl.db
Dataset field/well/run1/pass3/_vars_

Top - Bottom

BHTEMP_Src	BOREID	BOTTEMP	CASEOD	CASETHCK	CASEWGHT	MAXAMPL	MINAMPL
TEMP	in	degF	in	in	lb/ft	mV	mV
	8.5	249	5.5	0	17	0	1

TEMP	8.5	249	5.5	0	17	0	1
MINATTN db/ft 0.8	PERFS No	PPT usec 263	SRFTEMP degF 0	TDEPTH ft 0			

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

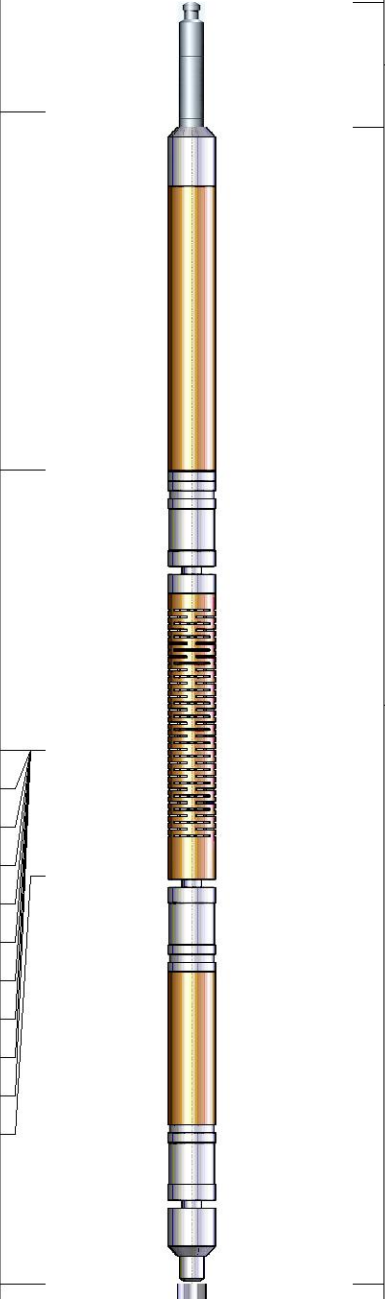
PPT : Predicted Pipe Time


SRFTEMP : Surface Temperature

TDEPTH : Total Depth

Calibration Report						
Database File	schneider_hd_11_102hn_rcbl.db					
Dataset Pathname	pass3					
Dataset Creation	Sat Nov 30 18:40:14 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:	3279.400	ft				
Master Calibration, performed Sat Nov 30 16:17:17 2019:						
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.008	0.456	0.000	71.921	160.285	-1.239
CAL	0.009	0.608				
5'	0.008	0.381	0.000	71.921	192.554	-1.528
SUM						
S1	0.019	0.439	0.000	100.000	238.514	-4.647
S2	0.013	0.451	0.000	100.000	228.196	-2.878
S3	0.008	0.455	0.000	100.000	223.764	-1.718
S4	0.008	0.451	0.000	100.000	225.513	-1.710
S5	0.008	0.454	0.000	100.000	223.807	-1.691
S6	0.008	0.455	0.000	100.000	223.642	-1.783
S7	0.008	0.444	0.000	100.000	229.057	-1.764
S8	0.008	0.445	0.000	100.000	228.814	-1.768
Internal Reference Calibration, performed (Not Performed):						
	Raw (v)		Calibrated (v)		Results	

	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.009	0.608	1.000	0.000
Air Zero Calibration, performed (Not Performed):						
	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	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
WVFS7	9.05					
WVFS6	9.05					
WVFS5	9.05					
WVFS4	9.05					
WVFS3	9.05					
WVFS2	9.05					
WVFS1	9.05					
WVFCAL	9.05					
WVF3FT	9.05					
WVF5FT	8.05					
HEADVOLT	4.80					

CCL	3.92		GR-Probe275 (FW1304-44) Probe 2 3/4" Logging Gamma Ray 6 Pin	4.80	2.75	57.00
GR	2.58					
Dataset: schneider_hd_11_102hn_rcbl.db: field/well/run1/pass3 Total length: 15.01 ft Total weight: 152.00 lb O.D.: 2.75 in						

	Company	Great Western Oil & Gas				
	Well	Schneider HD 11-102HN				
	Field	Wattenberg				
	County	Weld				
	State	Colorado				Country