



**Radial Cement Bond Log w/
Variable Density,
Gamma Ray, CCL, Temp**

Company: Great Western Oil & Gas Company
 Well: Postle IC 09-142HC
 Field: Wattenberg
 County: Weld
 State: CO

Location: API #: 05-123-47382
 SWNW
 40.24398900 / -104.97759600
 SEC 11 TWP 3N RGE 68W
 Elevation: 4977'
 Other Services: N/A

Date: 13-JUN-2020
 Run Number: ONE
 Depth Driller: 18341'
 Depth Logger: 7425'
 Bottom Logged Interval: 7423'
 Top Log Interval: SURFACE
 Open Hole Size: -
 Type Fluid: WATER
 Density / Viscosity: -
 Max. Recorded Temp.: 231 Deg F
 Estimated Cement Top: -
 Time Well Ready: ROA
 Time Logger on Bottom: 0815
 Equipment Number: 80
 Location: Platteville
 Recorded By: C. Schraaf
 Witnessed By: D. Pozas

Run Number	Borehole Record			Tubing Record			
	Bit	From	To	Size	Weight	From	To
Casing Record							
Surface String		Size 9-5/8"		Mgt/ft 36#	Top SURFACE		Bottom 1552'
Prot. String							
Production String		5-1/2"		20#	SURFACE		18341'
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 as Per Customer Request
 Toolstring Centralized via 3 C Gemco Centralizers
 Log Correlated to Marker Joint @ 6599' - 6610'

Thank you for using KLX Energy Services!

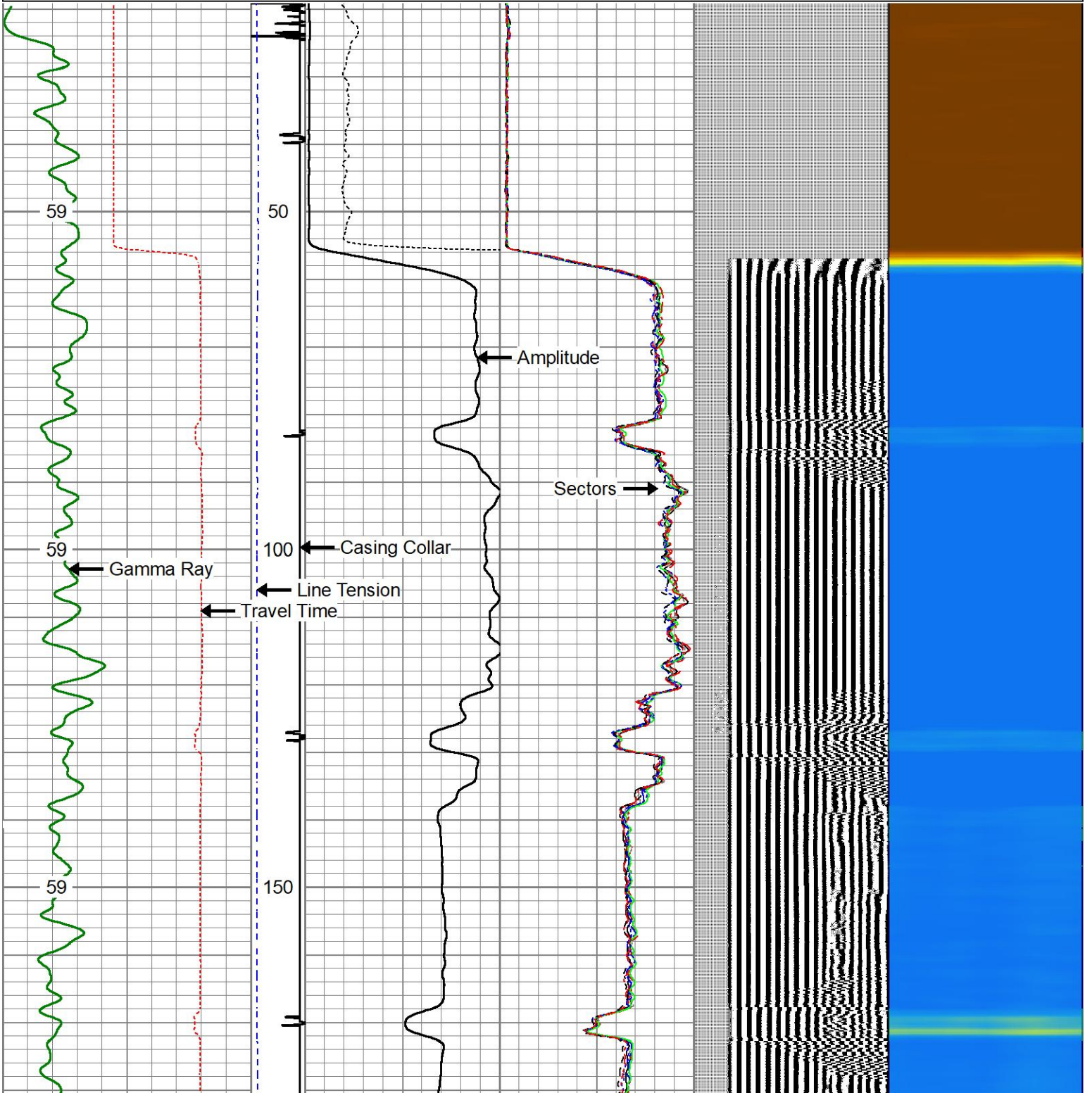


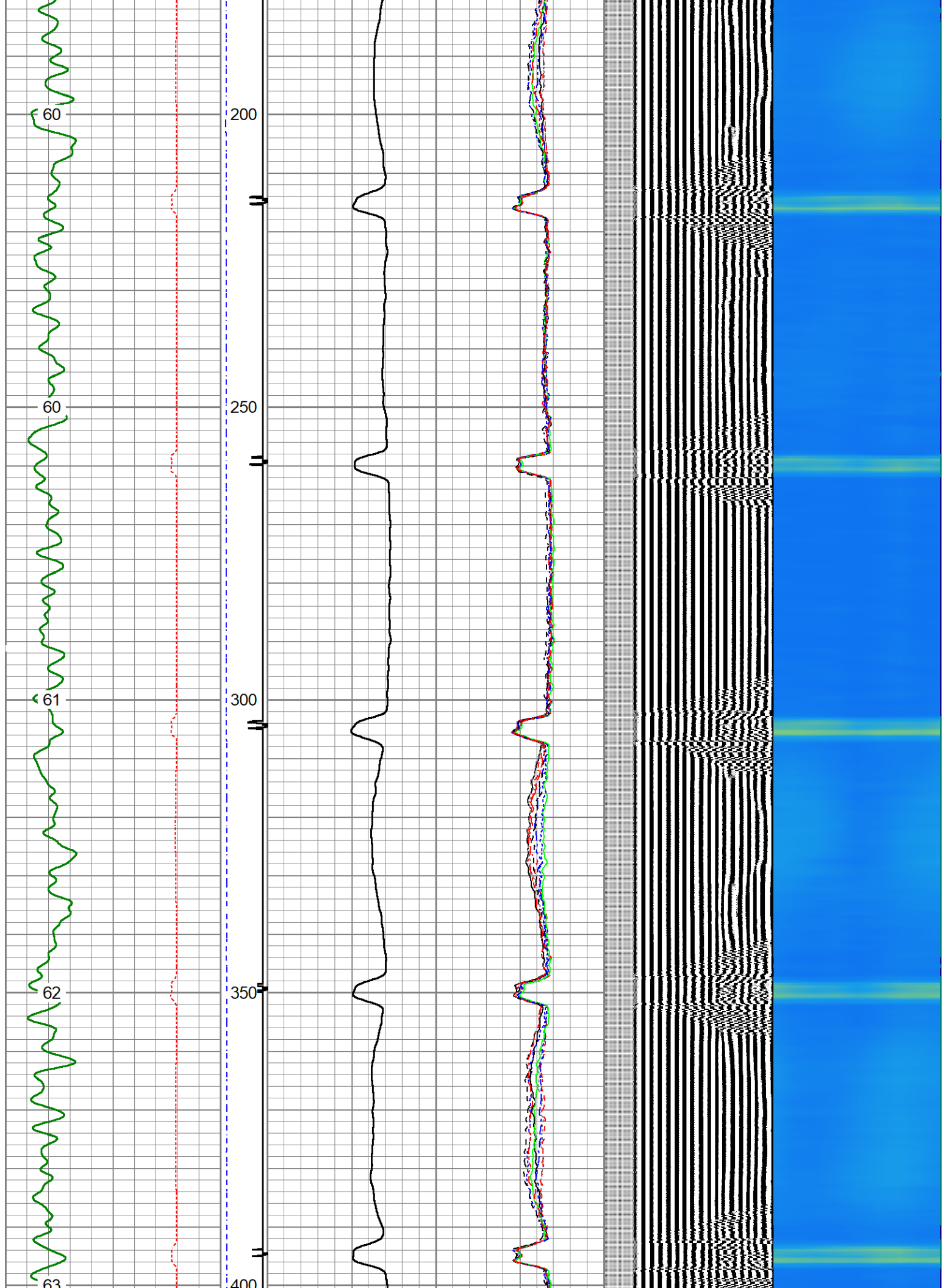
MAIN PASS - 5"/100'

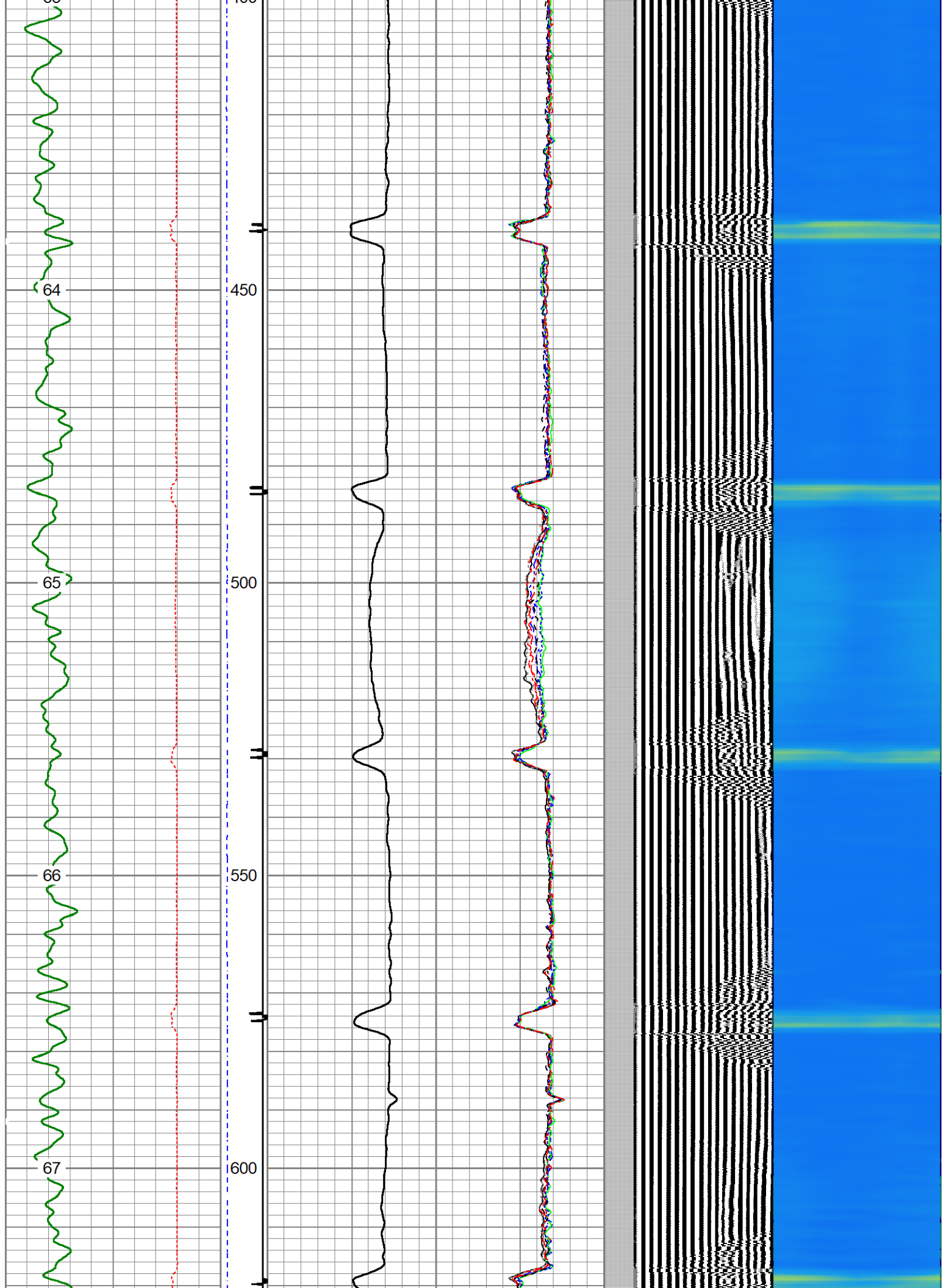
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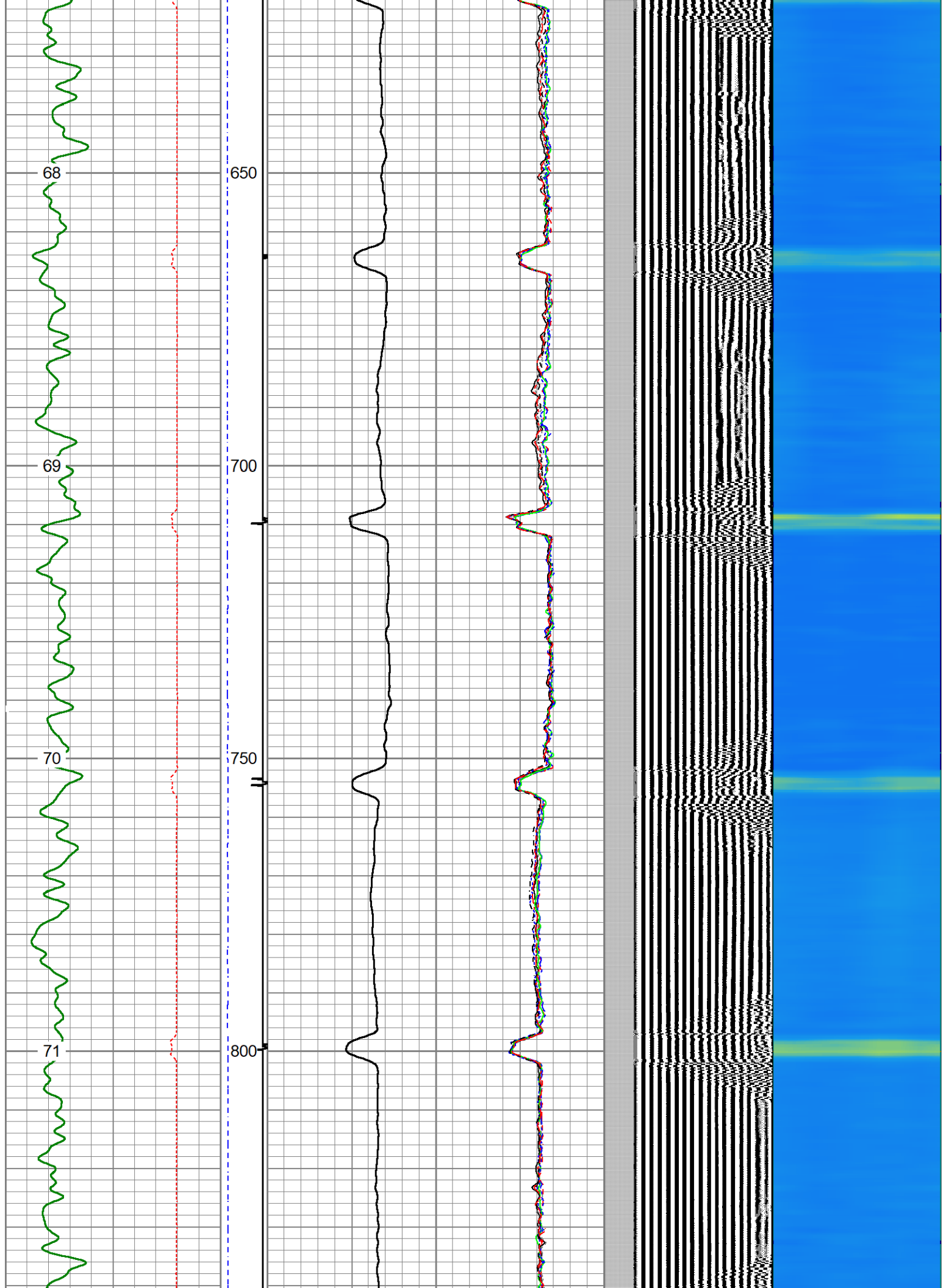
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 Dataset Pathname pass4
 Presentation Format scbl03
 Dataset Creation Sat Jun 13 08:14:48 2020
 Charted by Depth in Feet scaled 1:240

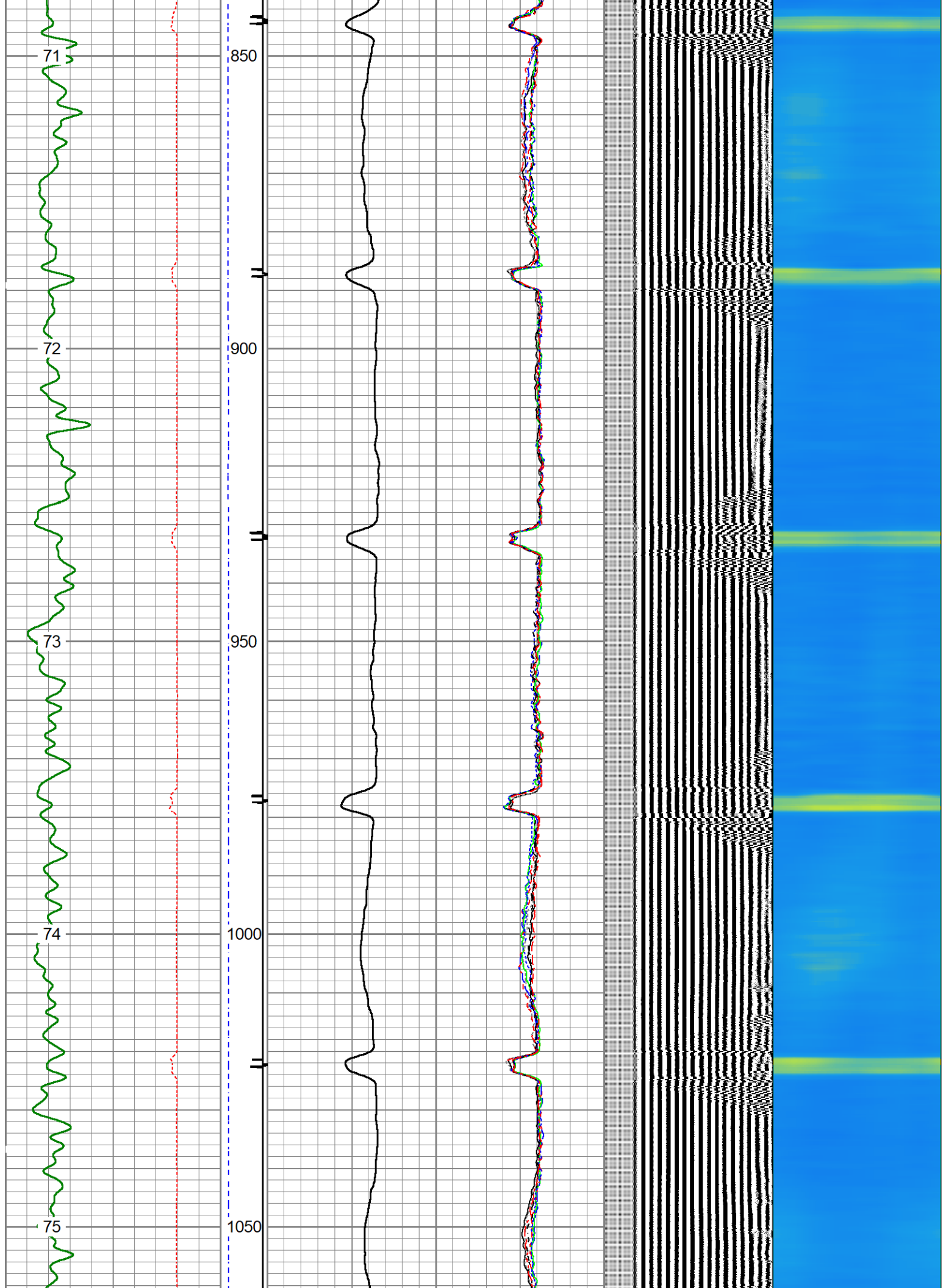
420	Travel Time (usec)	220	Casing Collar	0	Amplitude (mV)	100	-5	Sector 1	150	Variable Density	1	Cement Map	8
0	Gamma Ray (GAPI)	150	Line Tension (lb)	9	-1	Amplified Amplitude (mV)	10	-5	Sector 2	150	200	(usec)	1200
	TEMP (degF)							-5	Sector 3	150			
								-5	Sector 4	150			
								-5	Sector 5	150			
								-5	Sector 6	150			
								-5	Sector 7	150			
								-5	Sector 8	150			

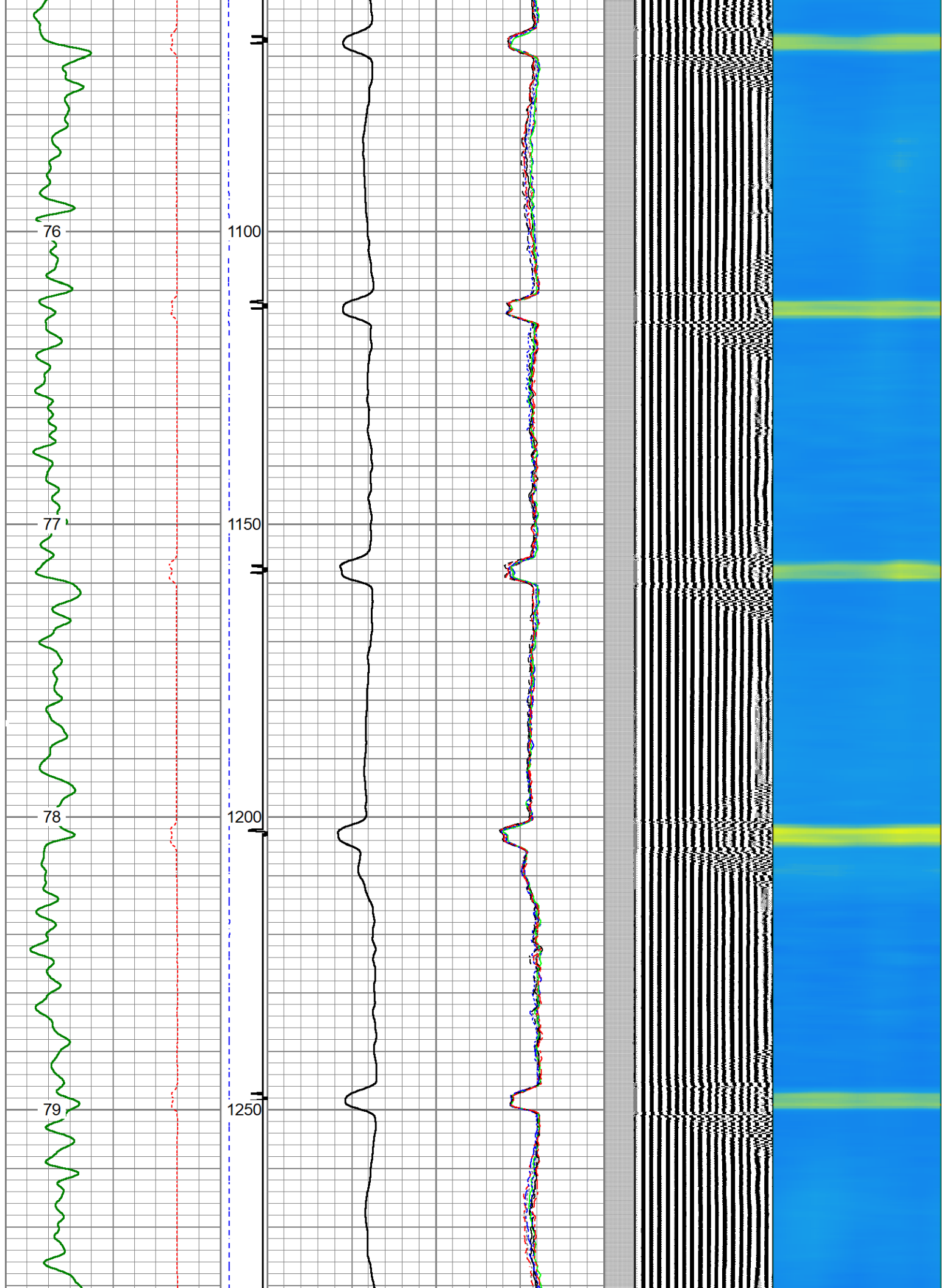


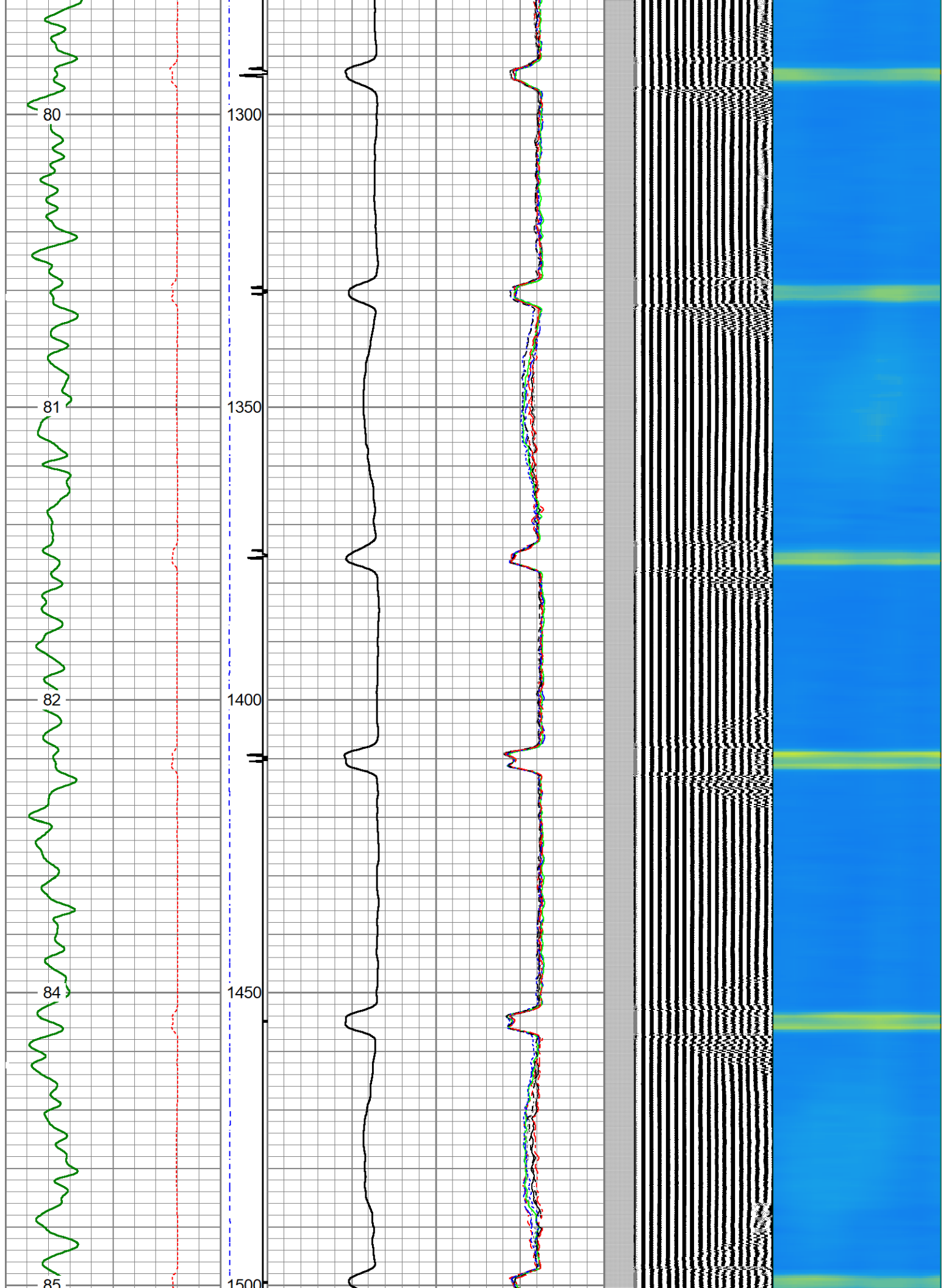


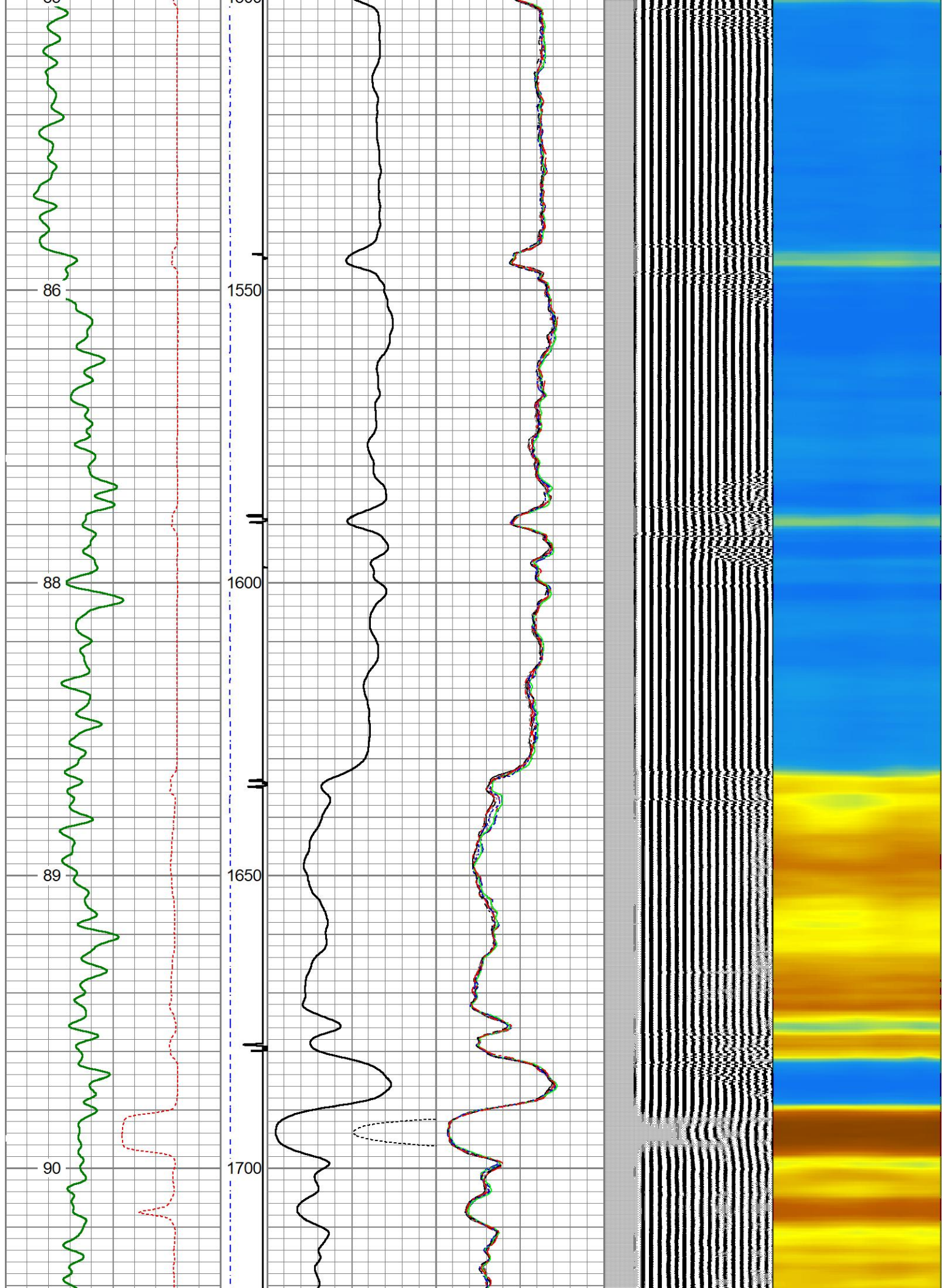


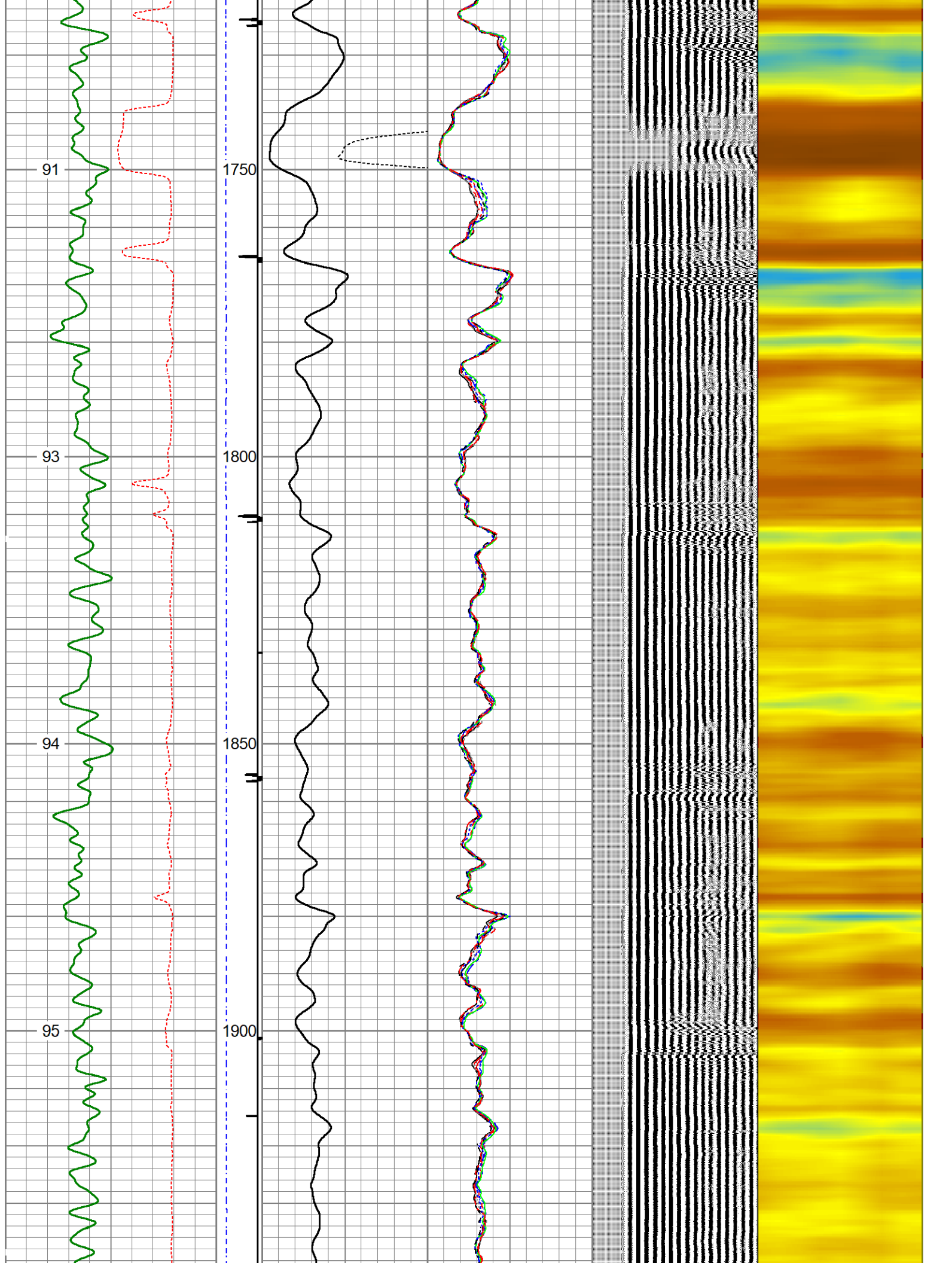


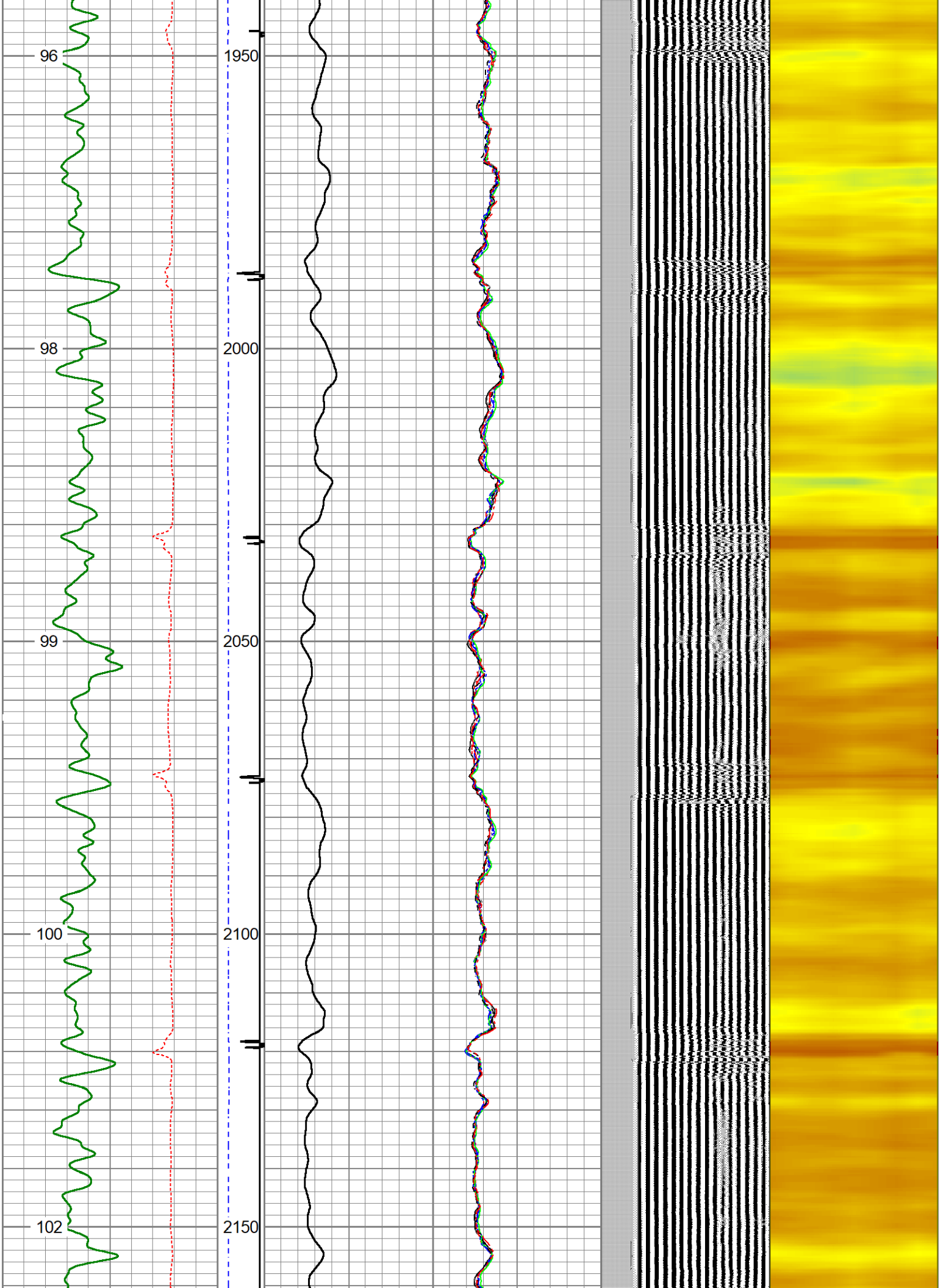


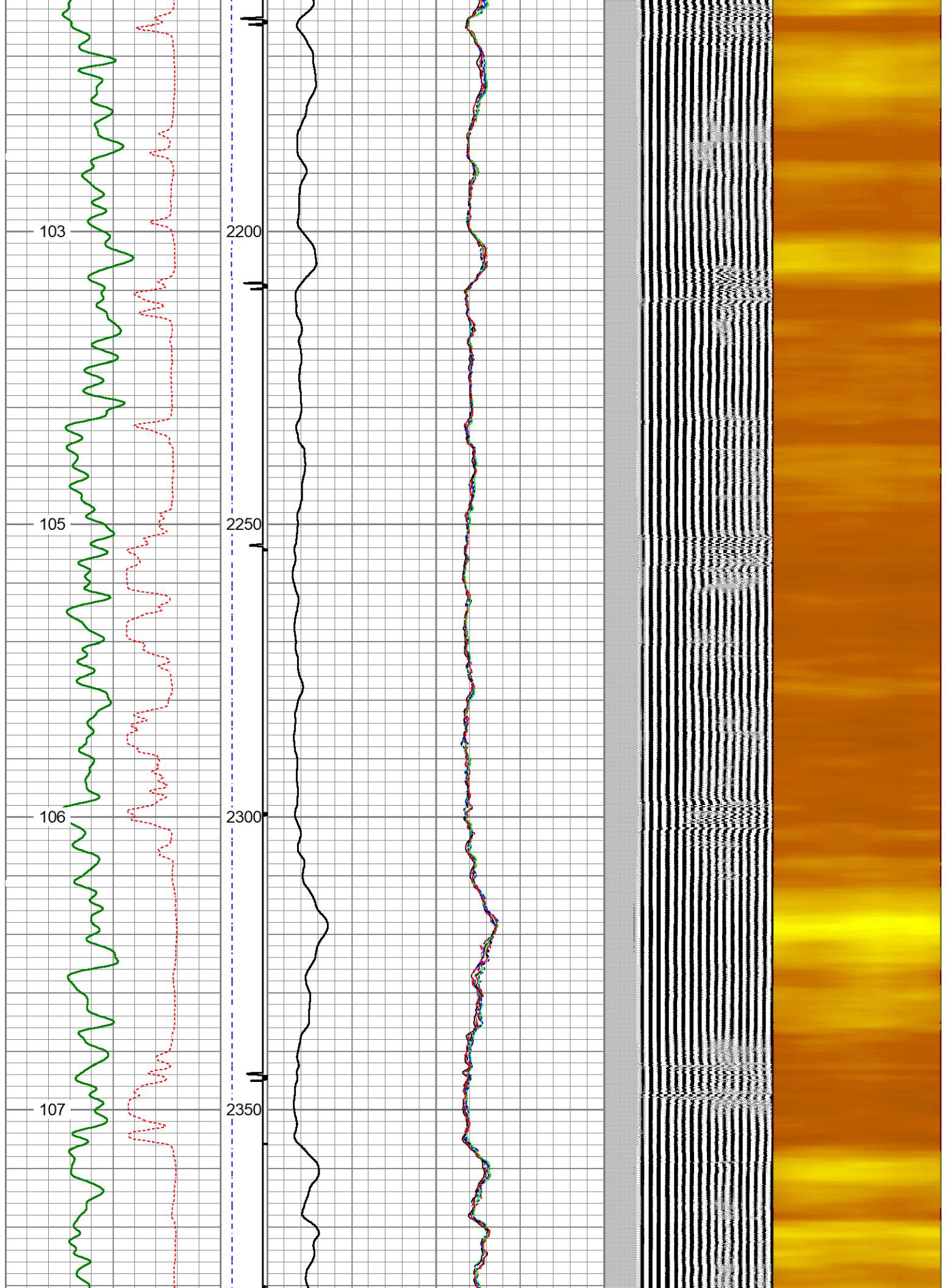


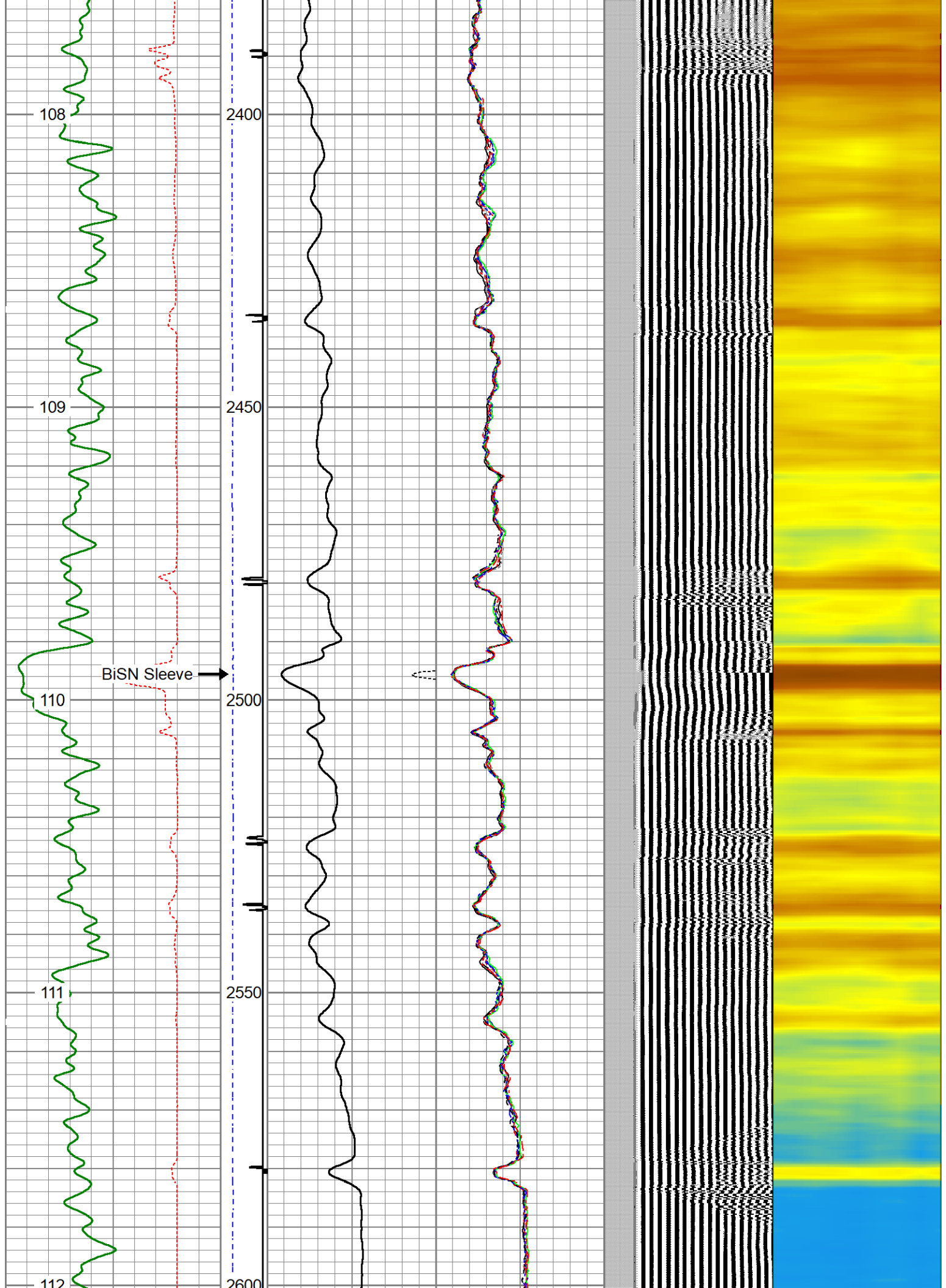


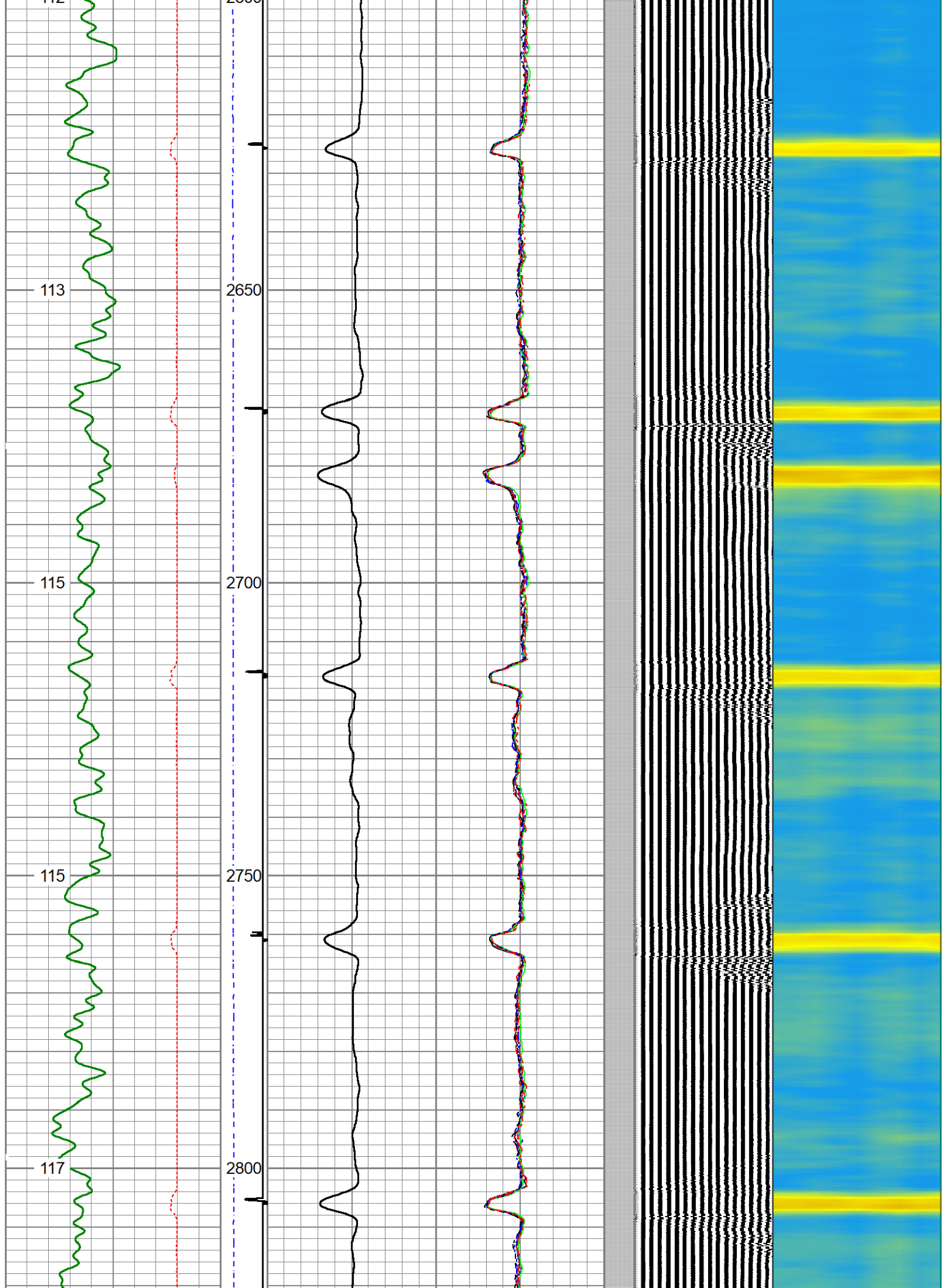


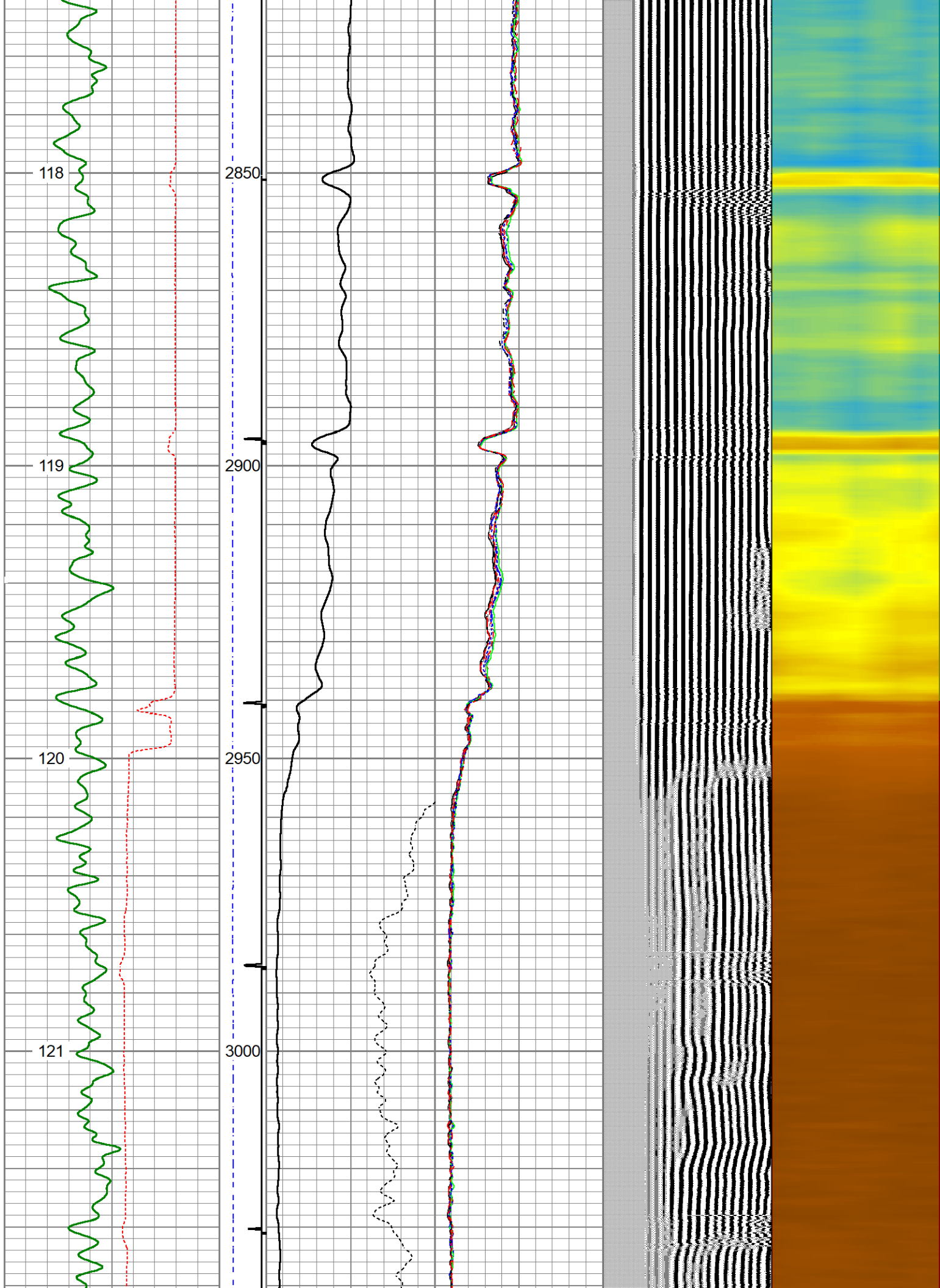


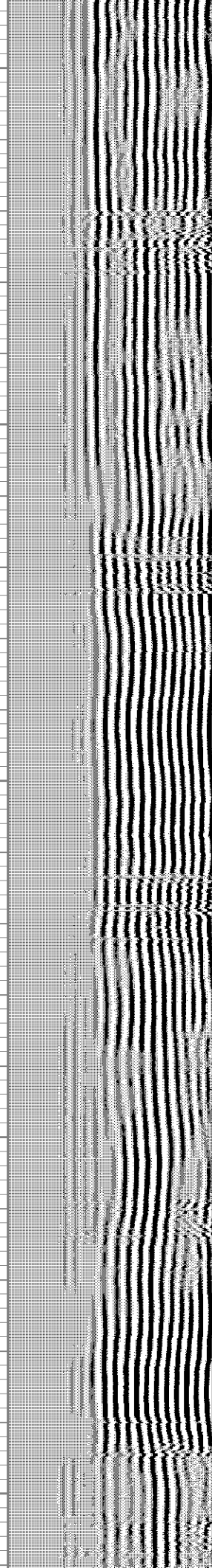
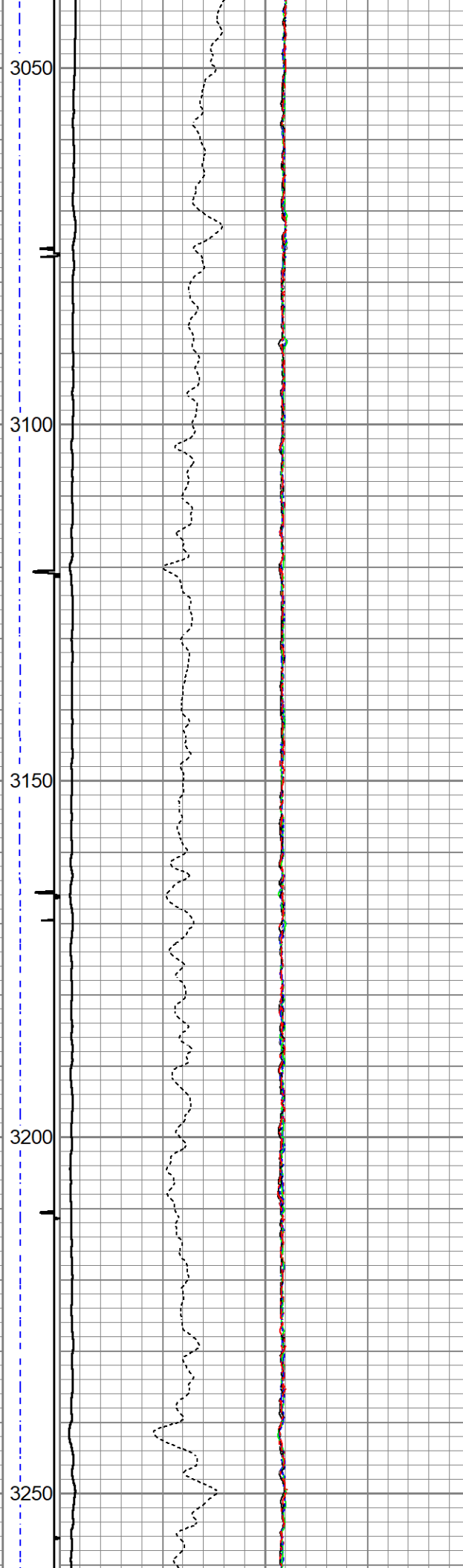
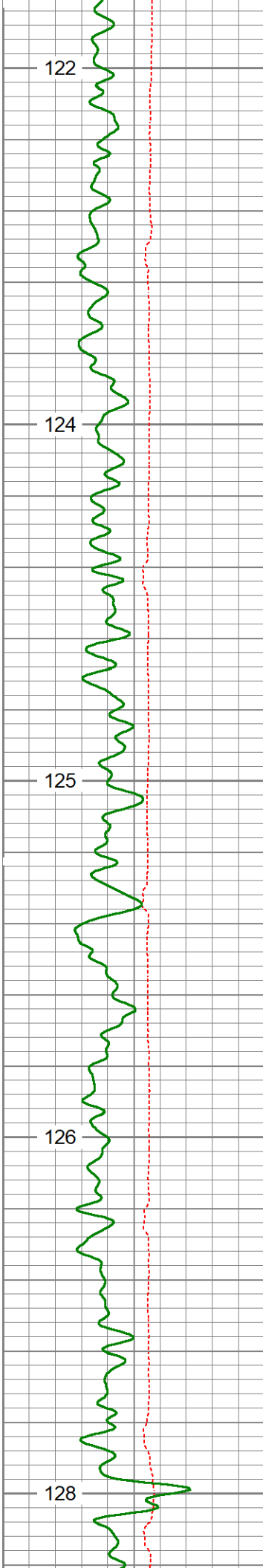


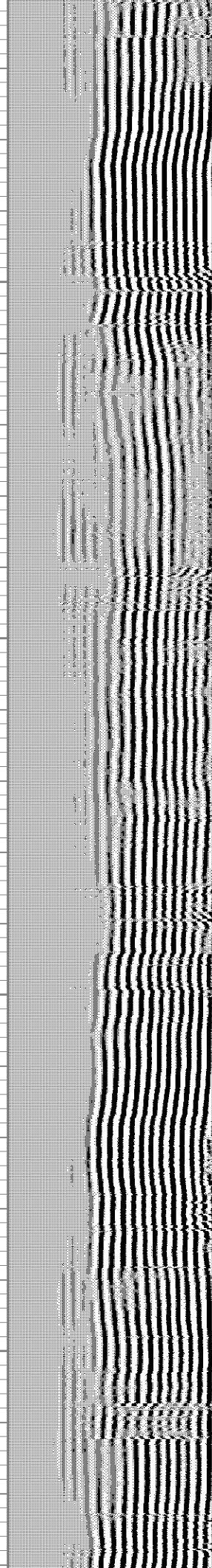
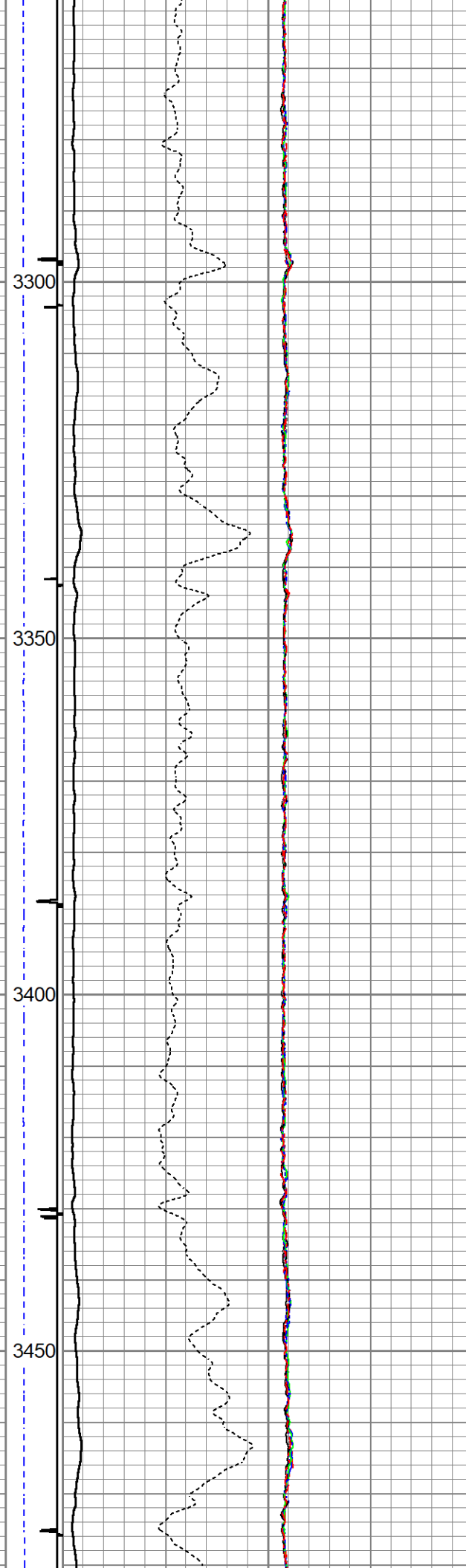
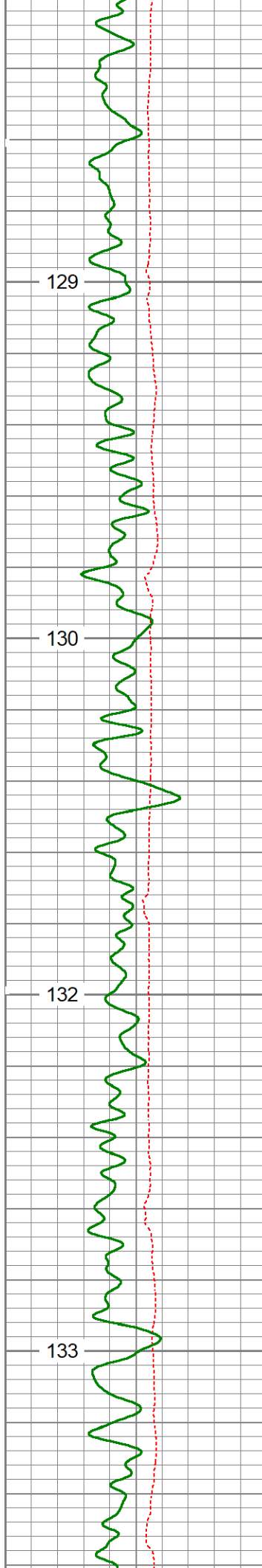


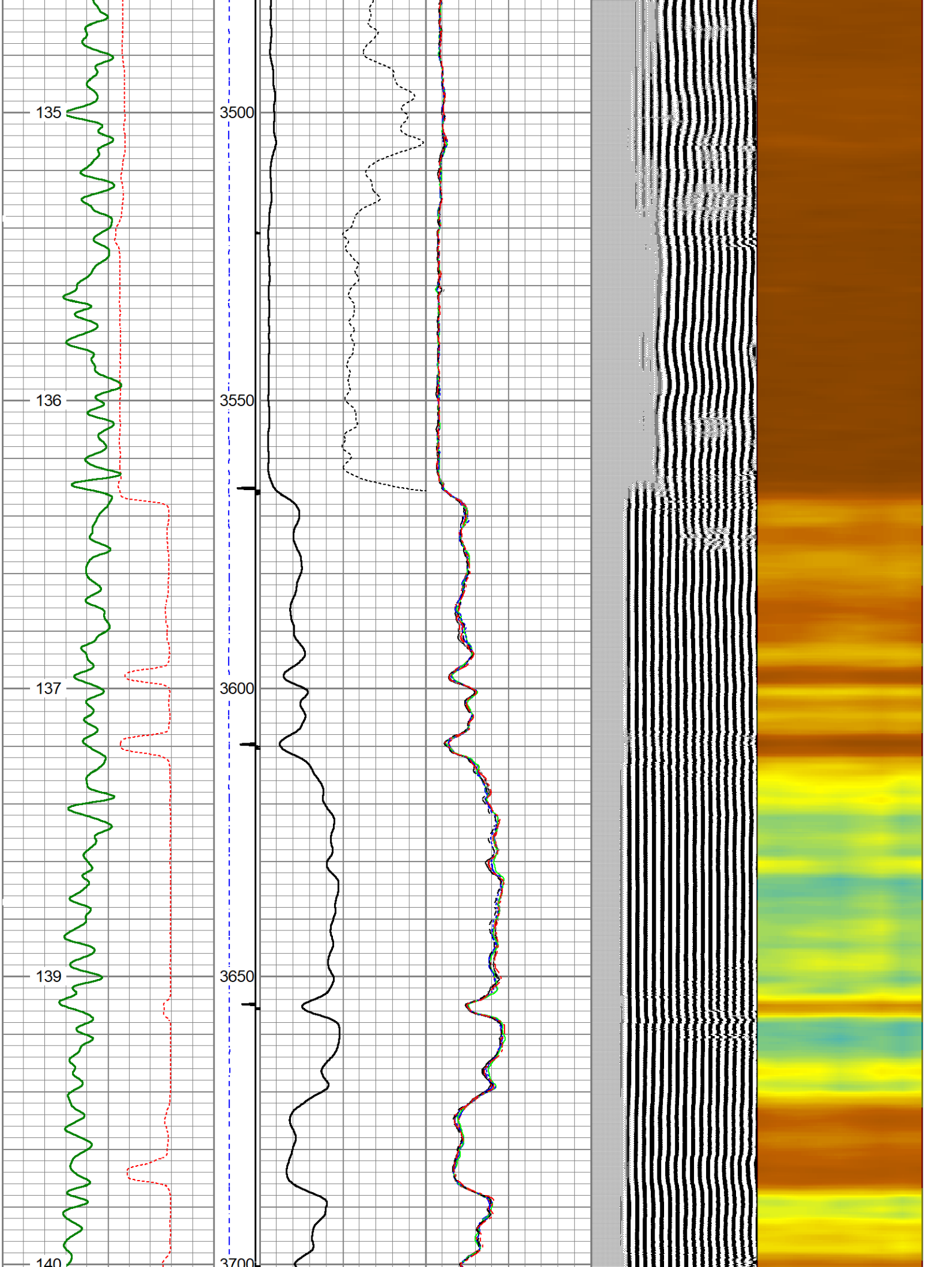


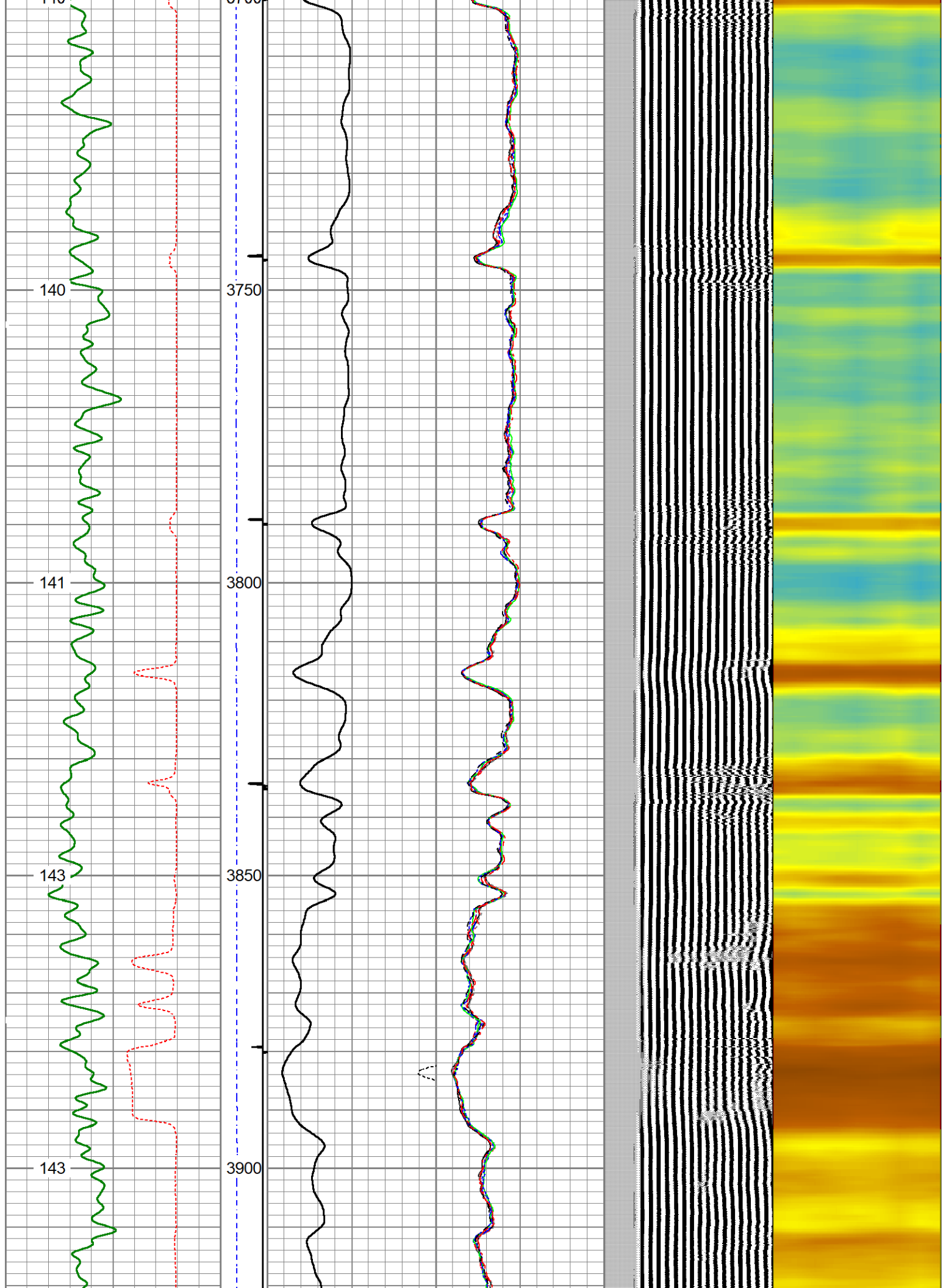


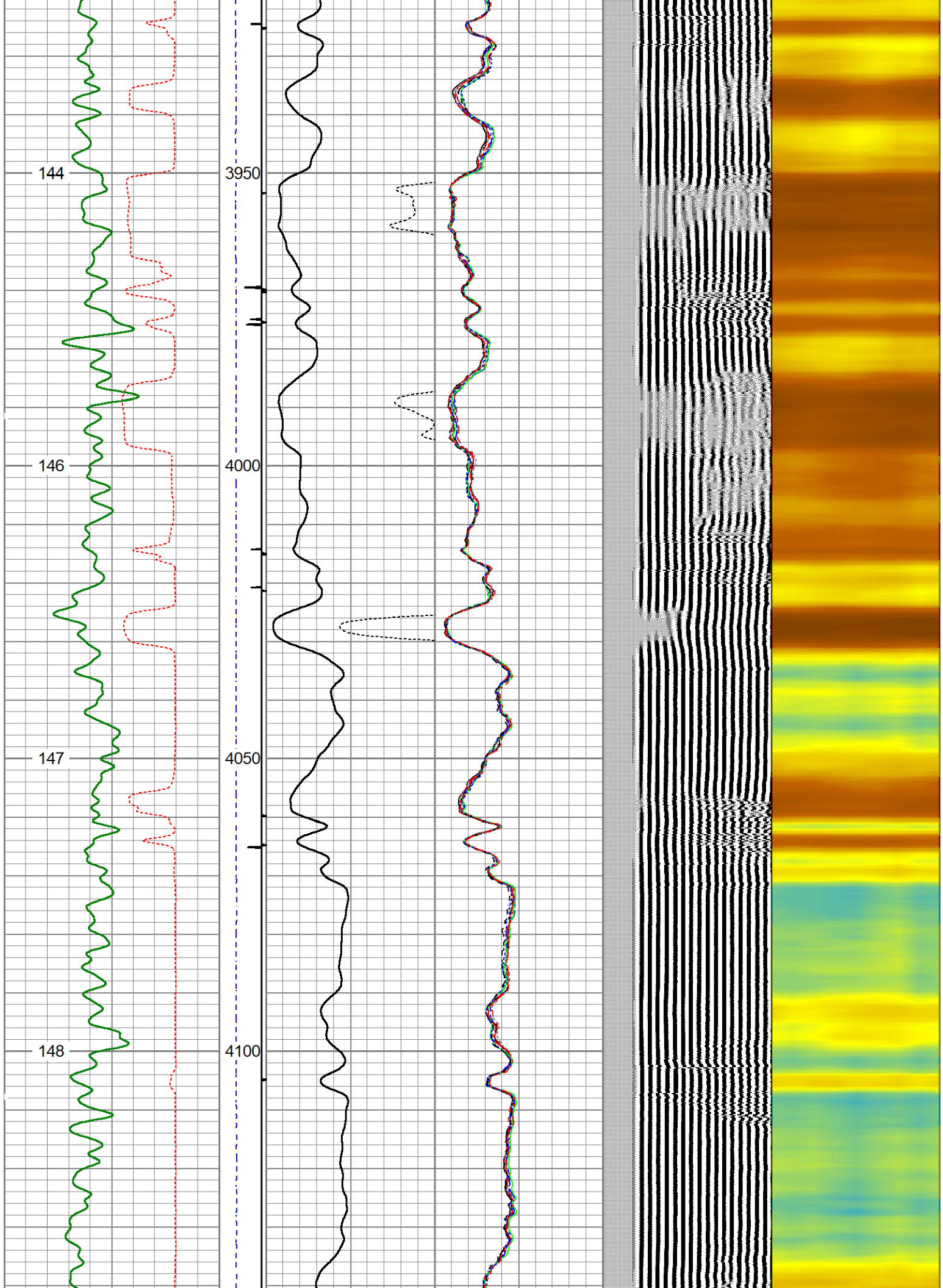


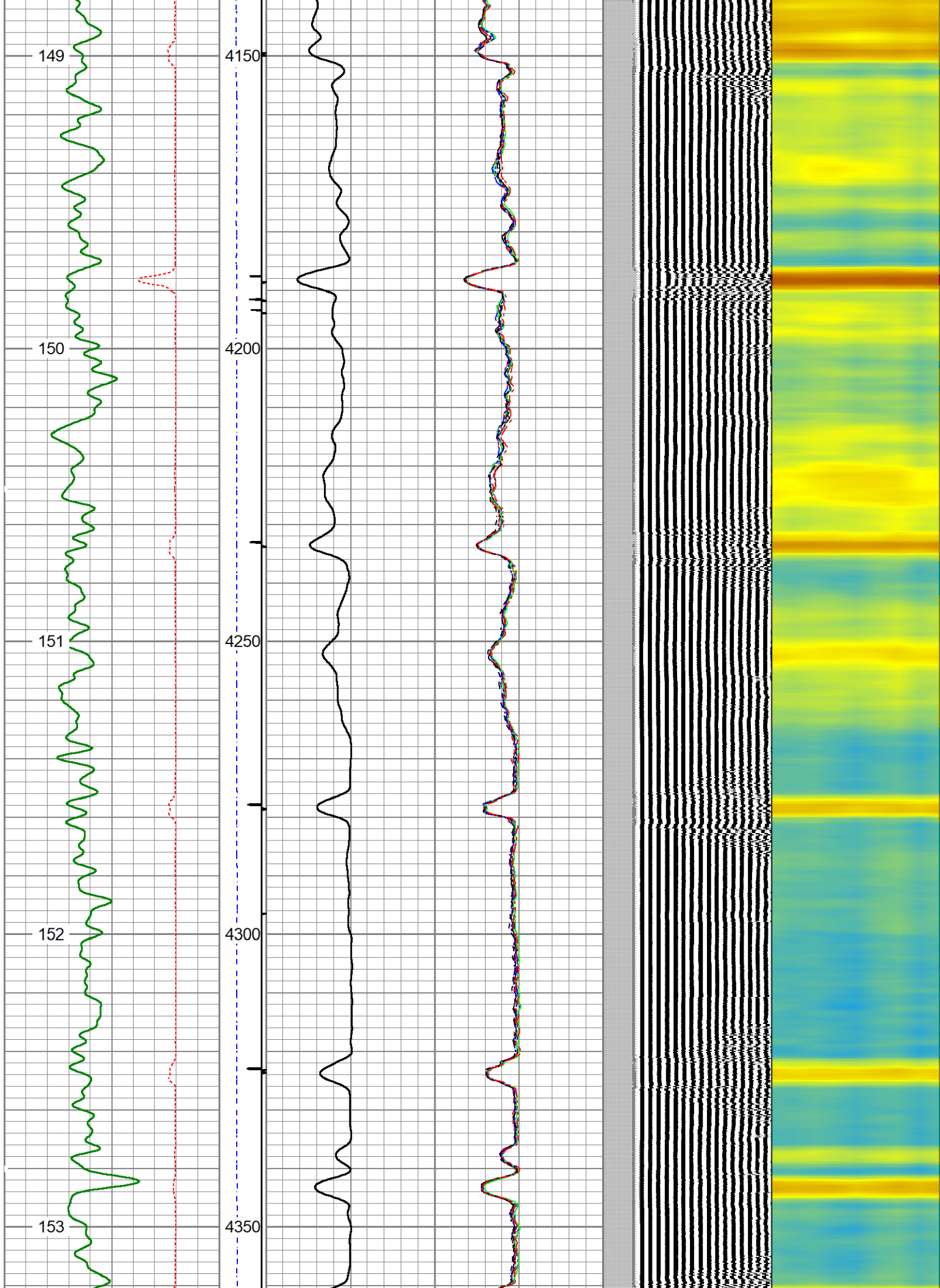


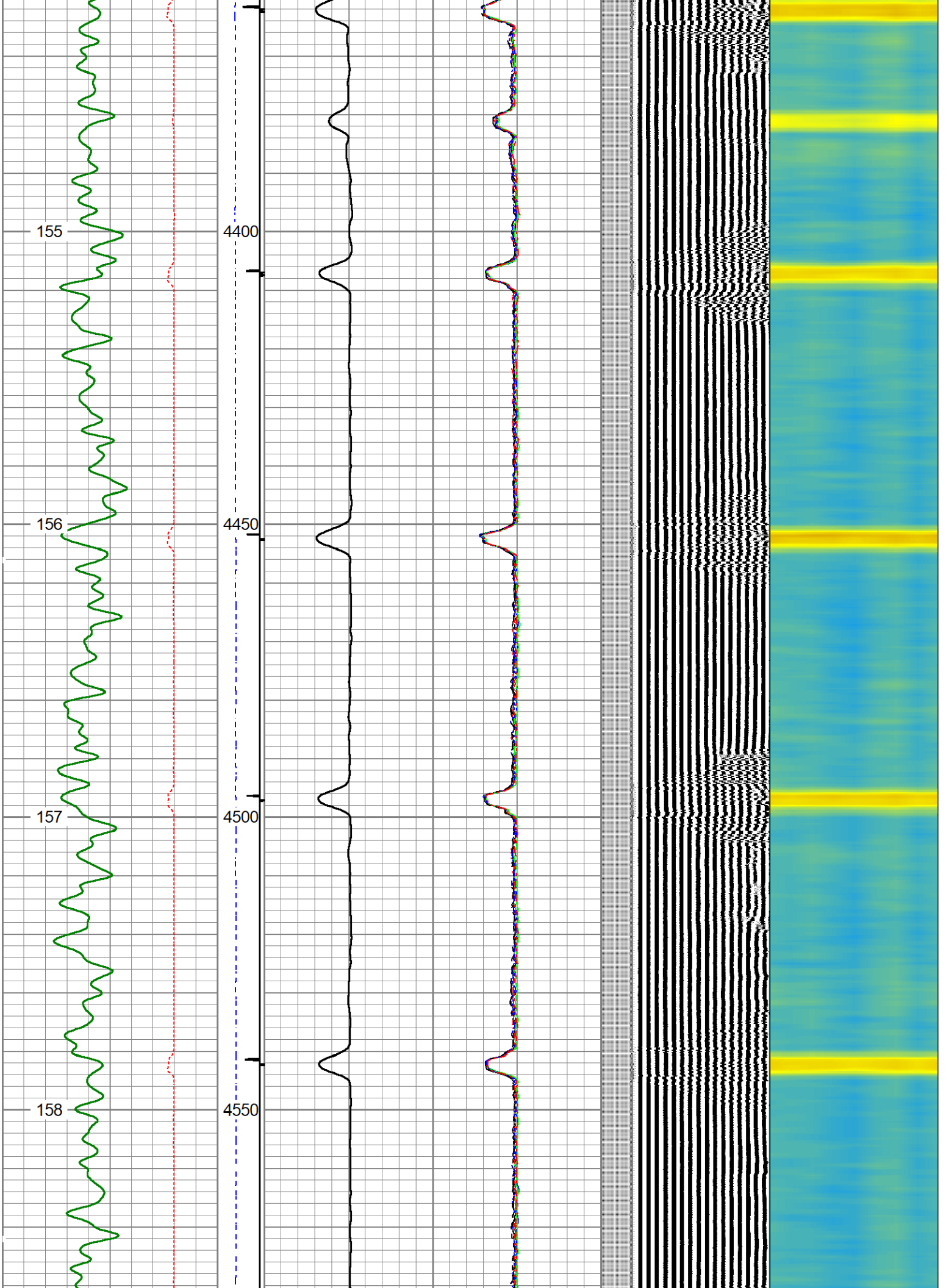


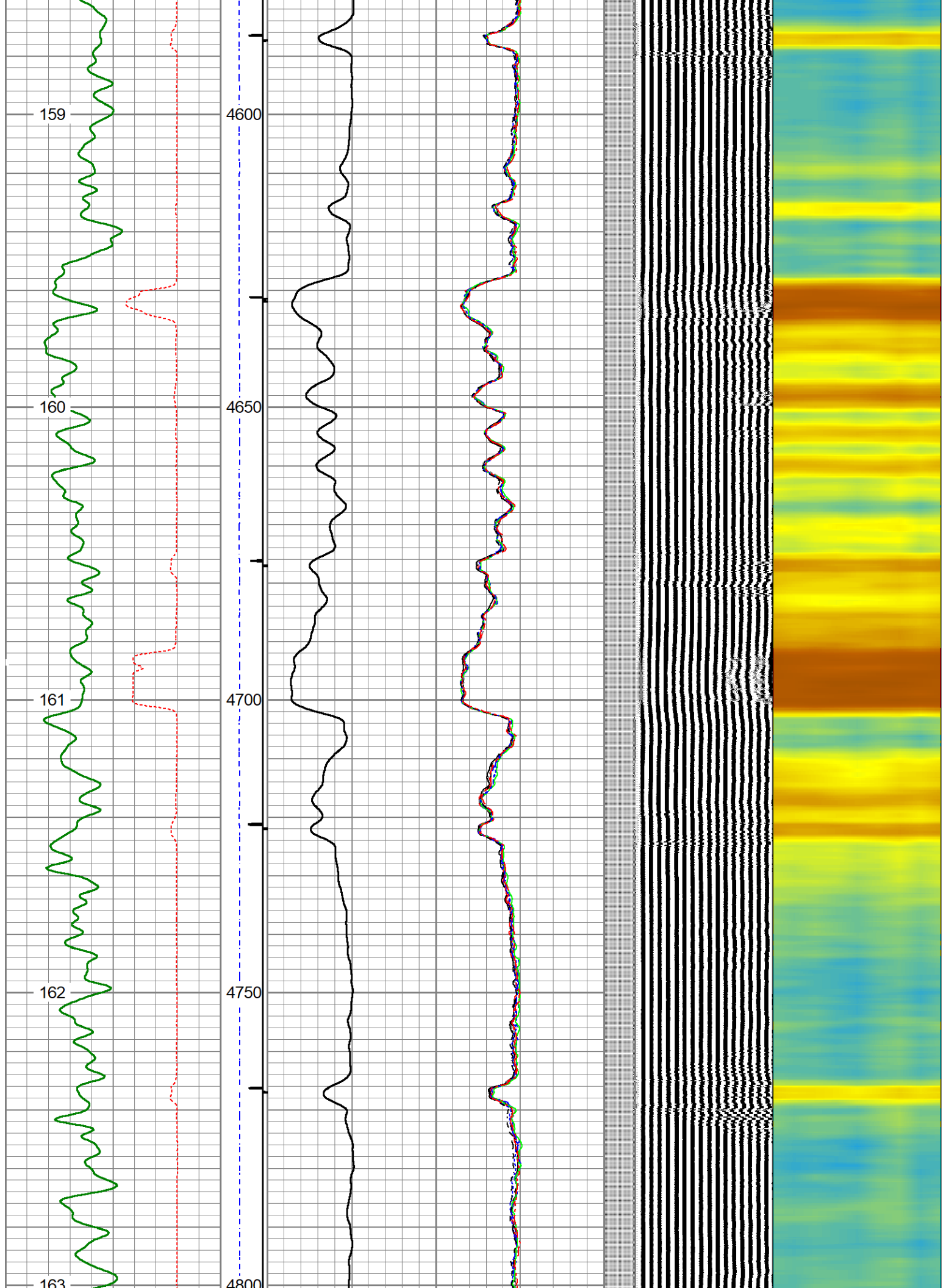


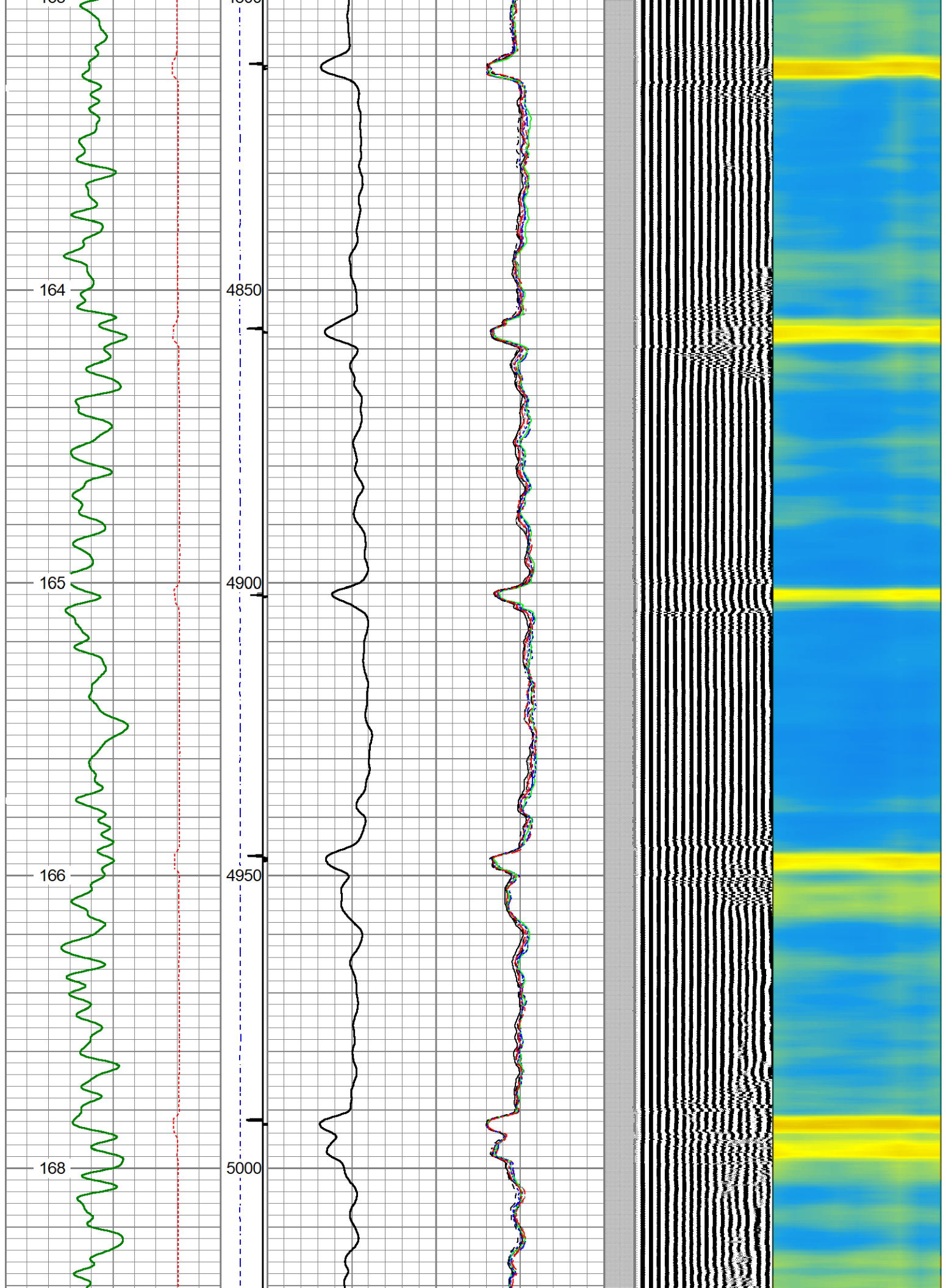


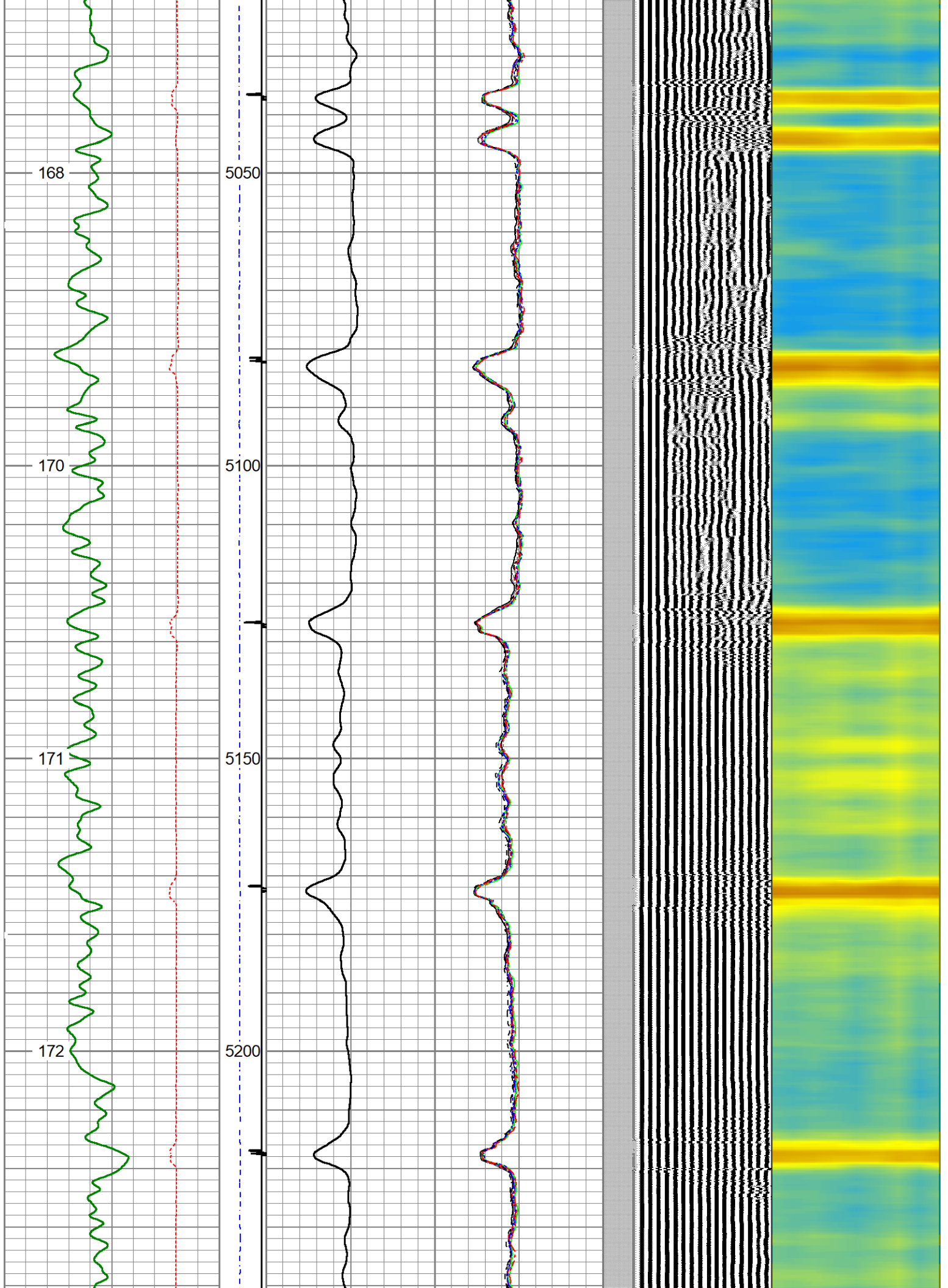


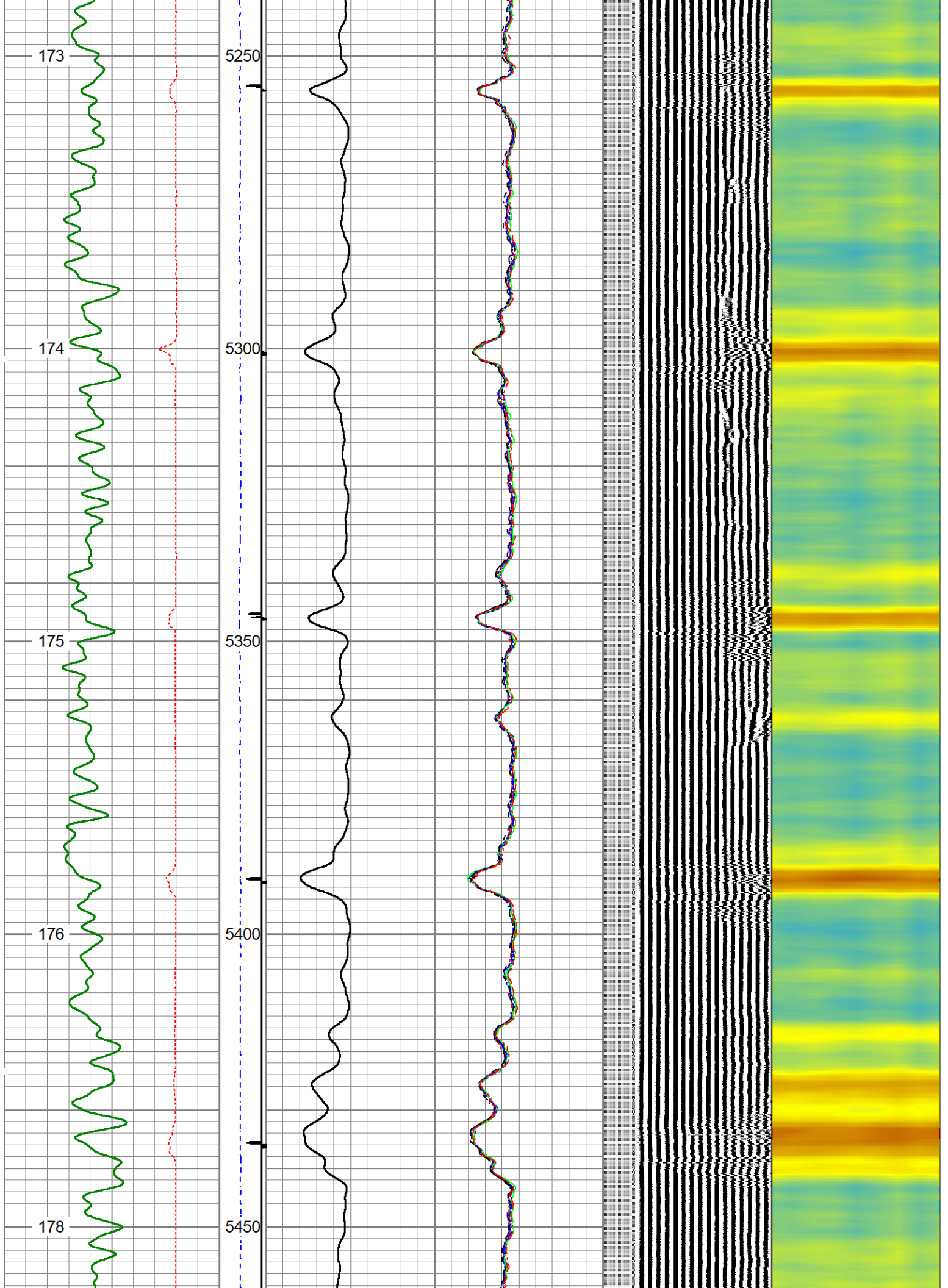


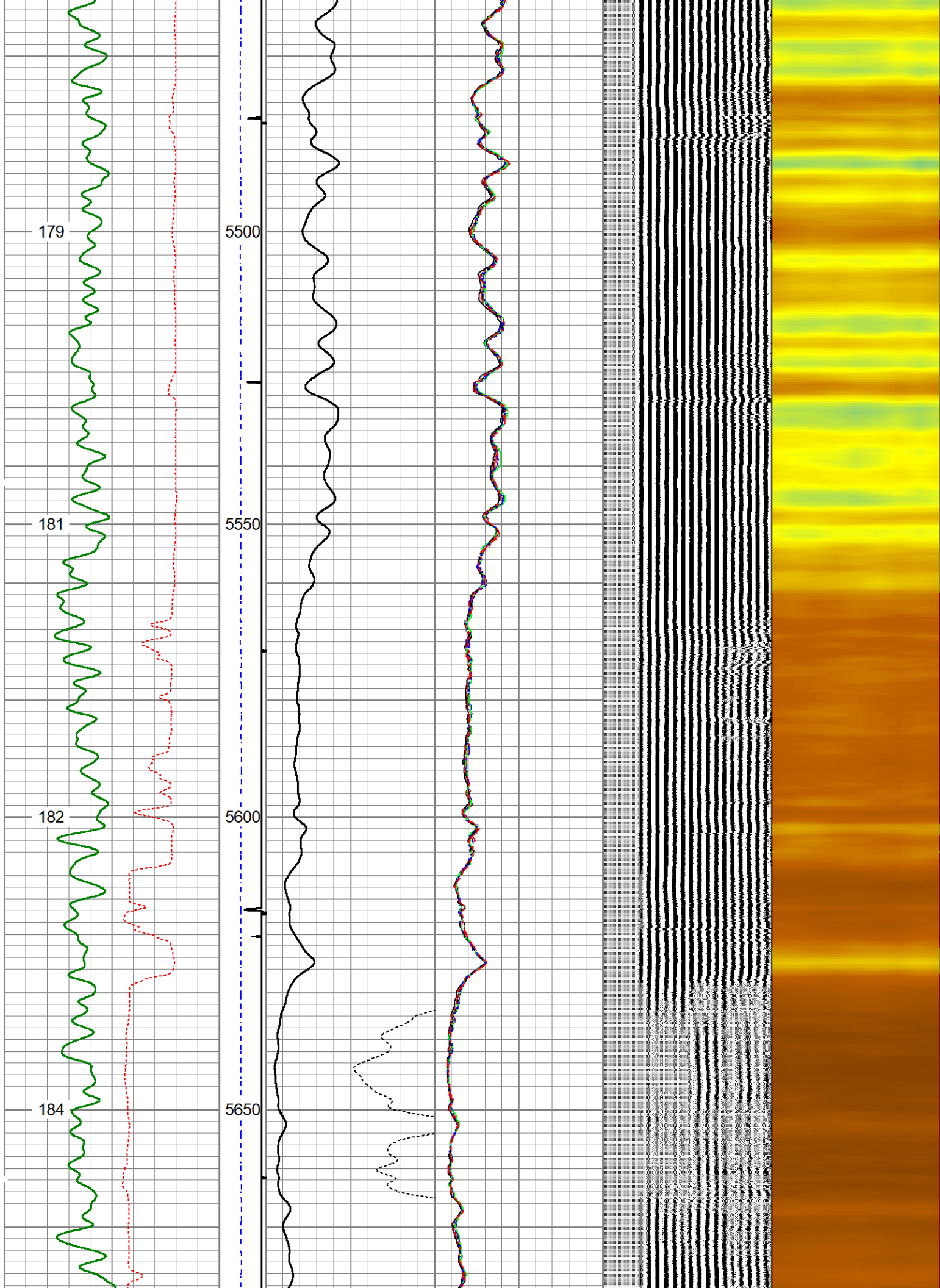


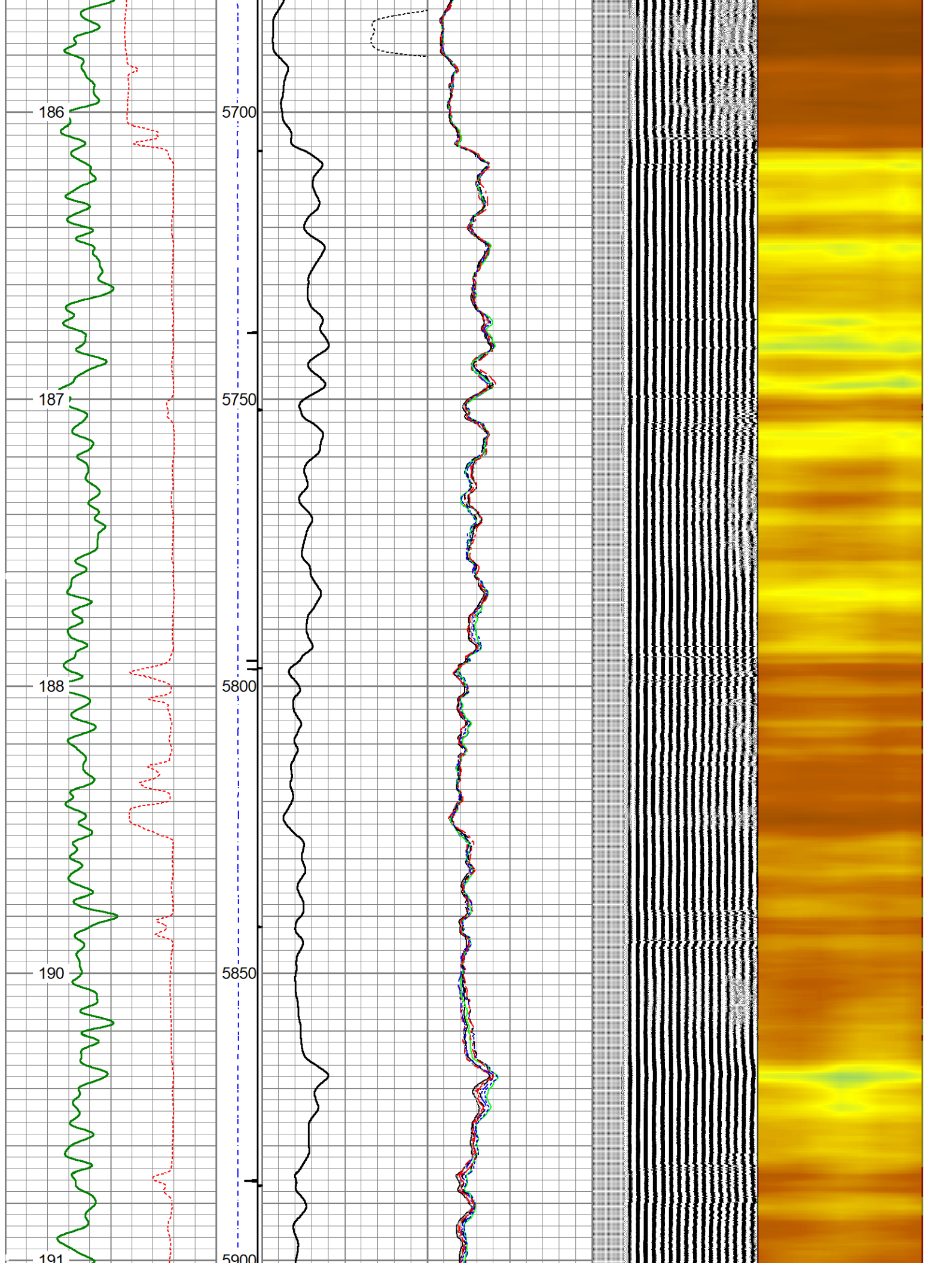


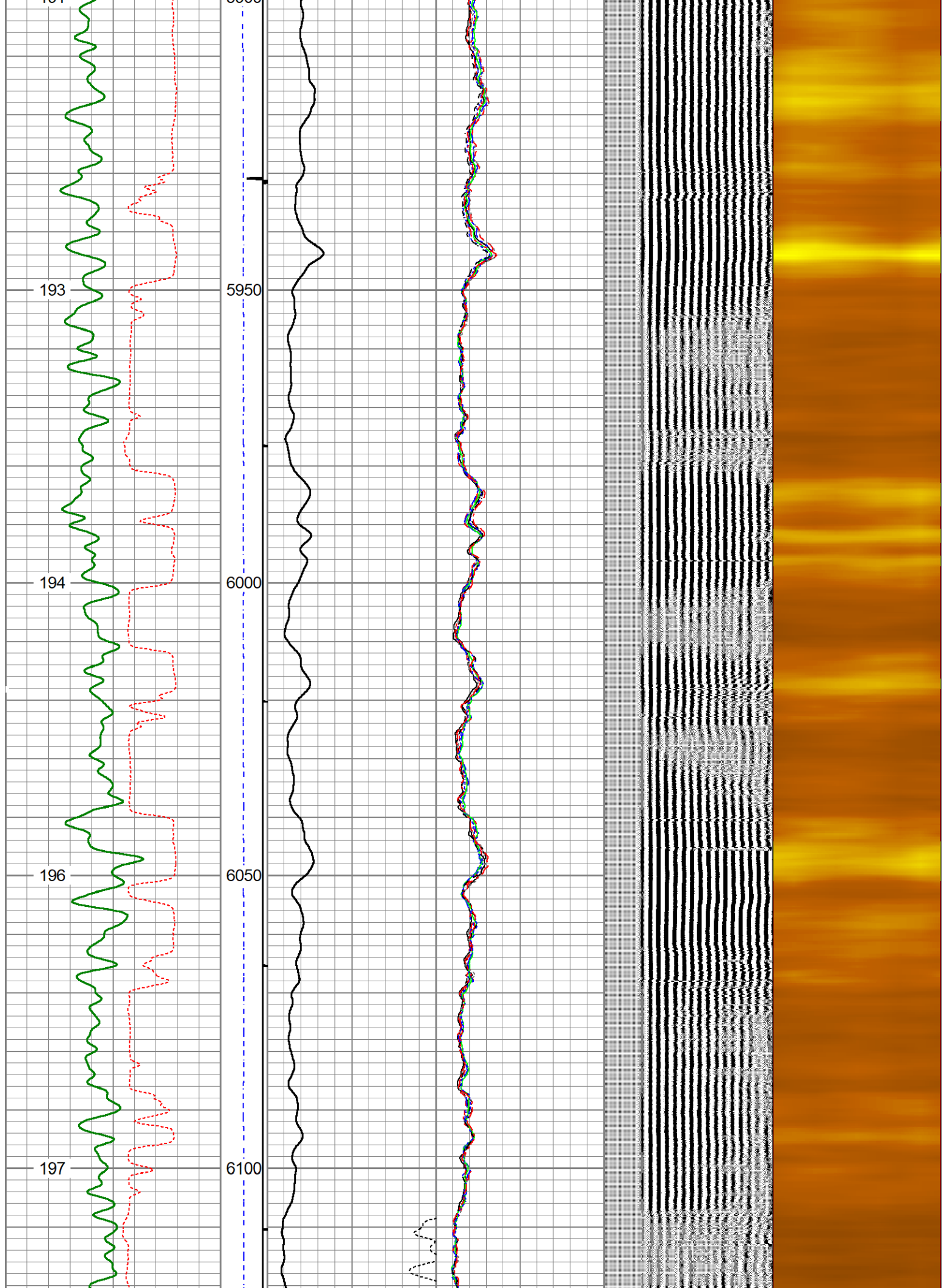


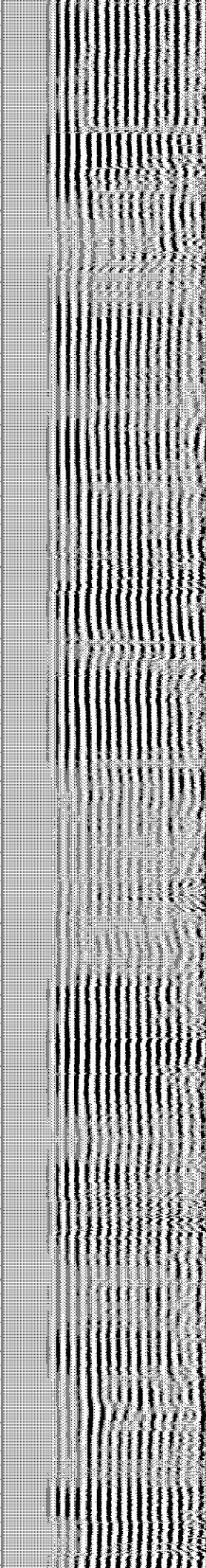
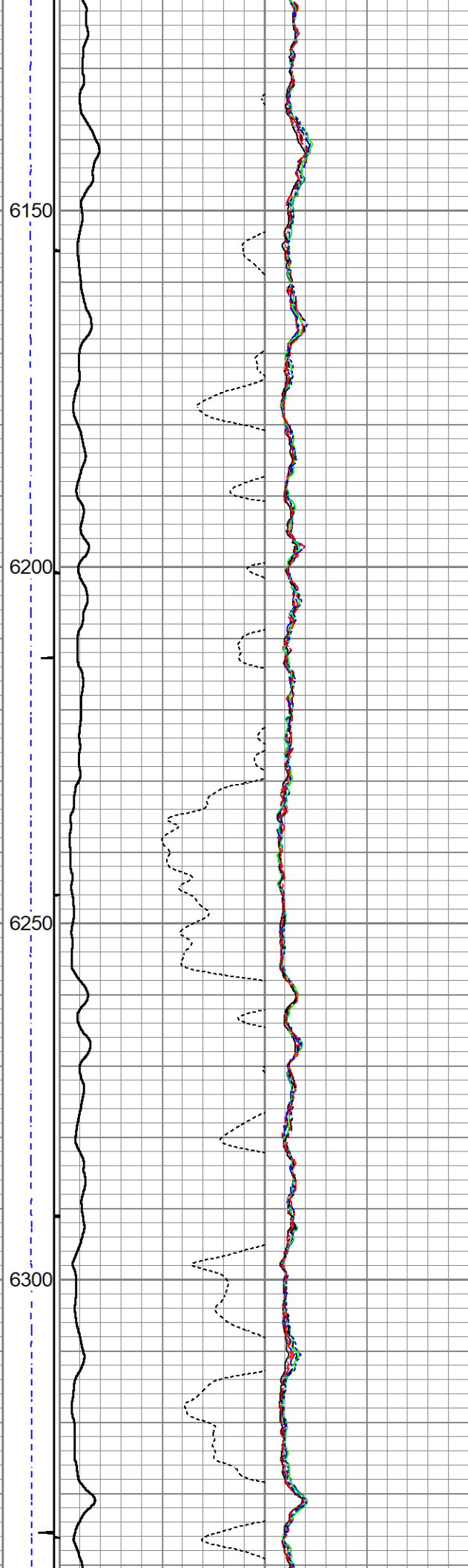
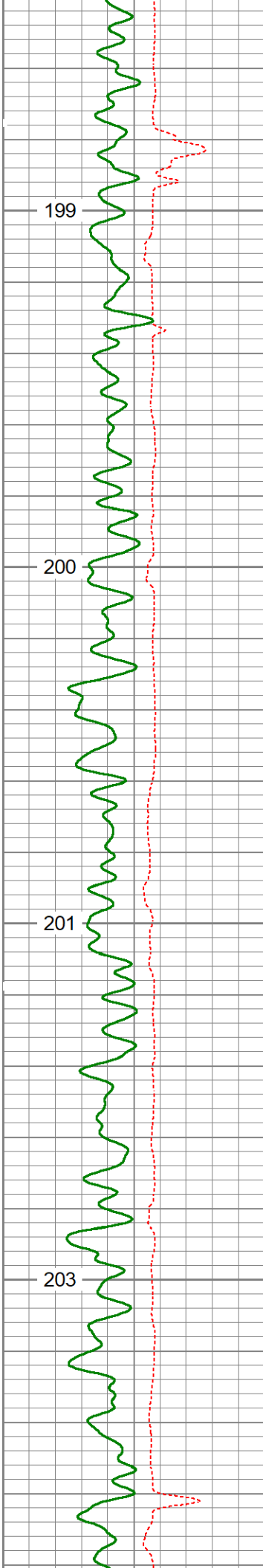




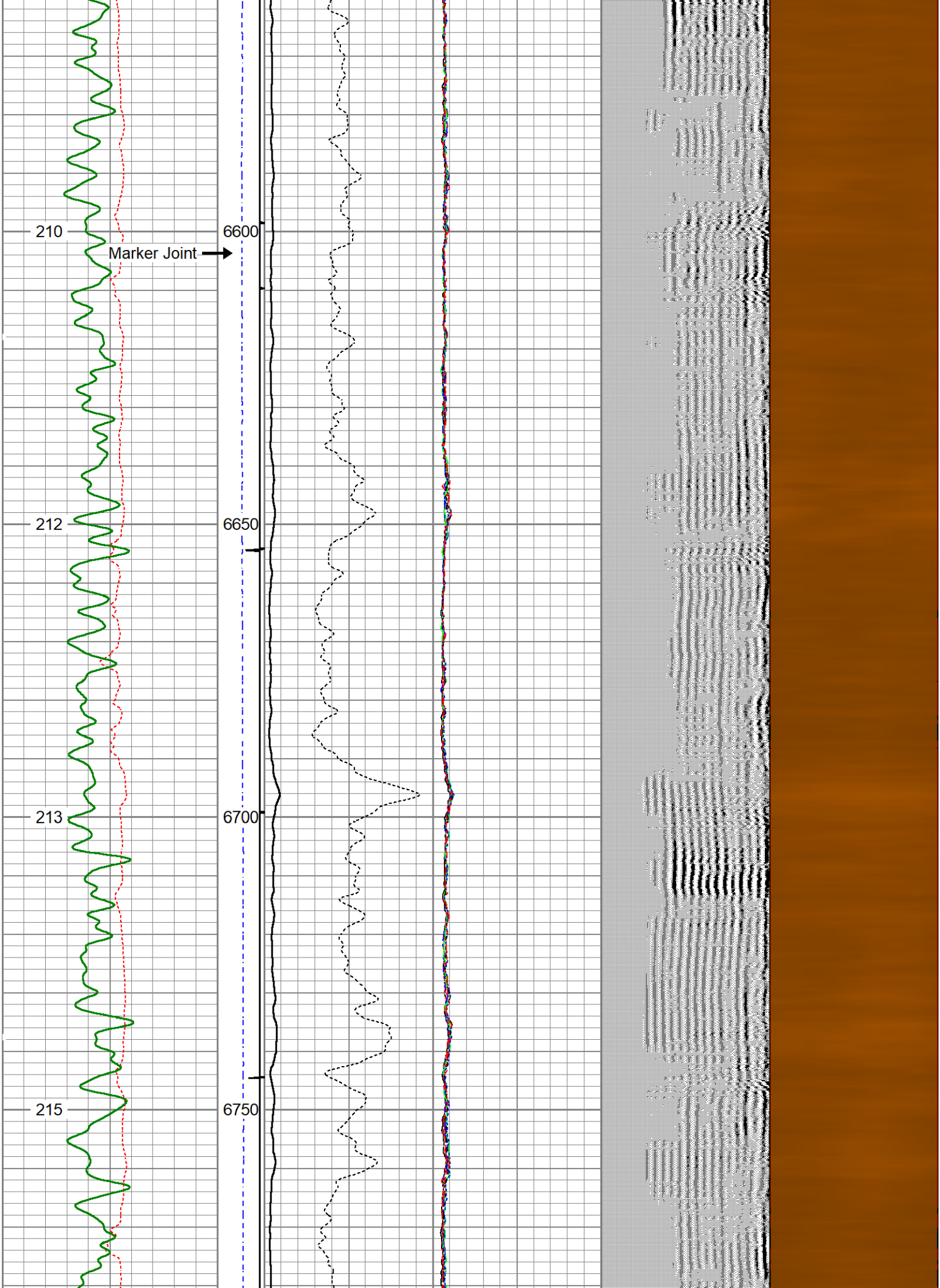


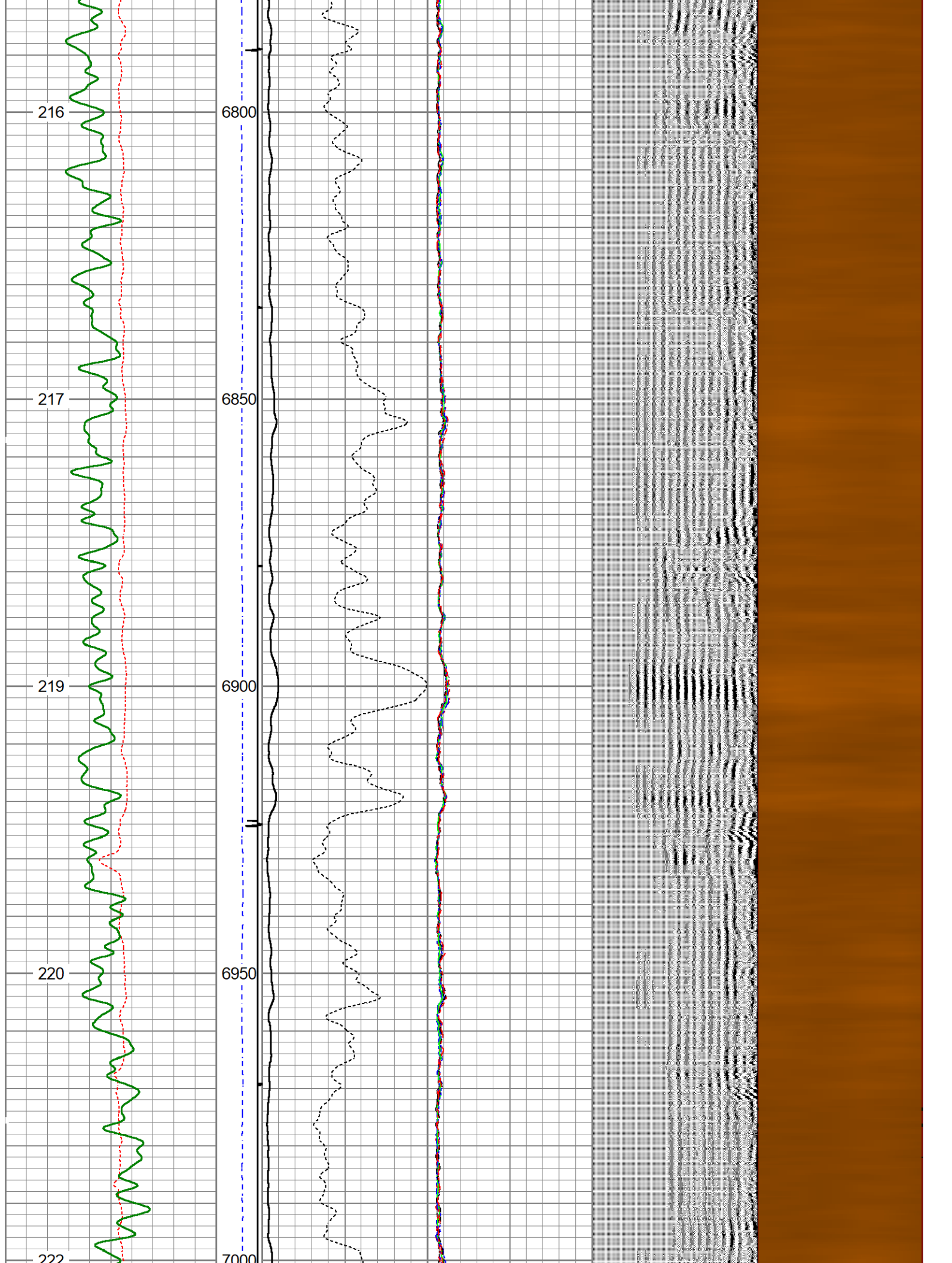


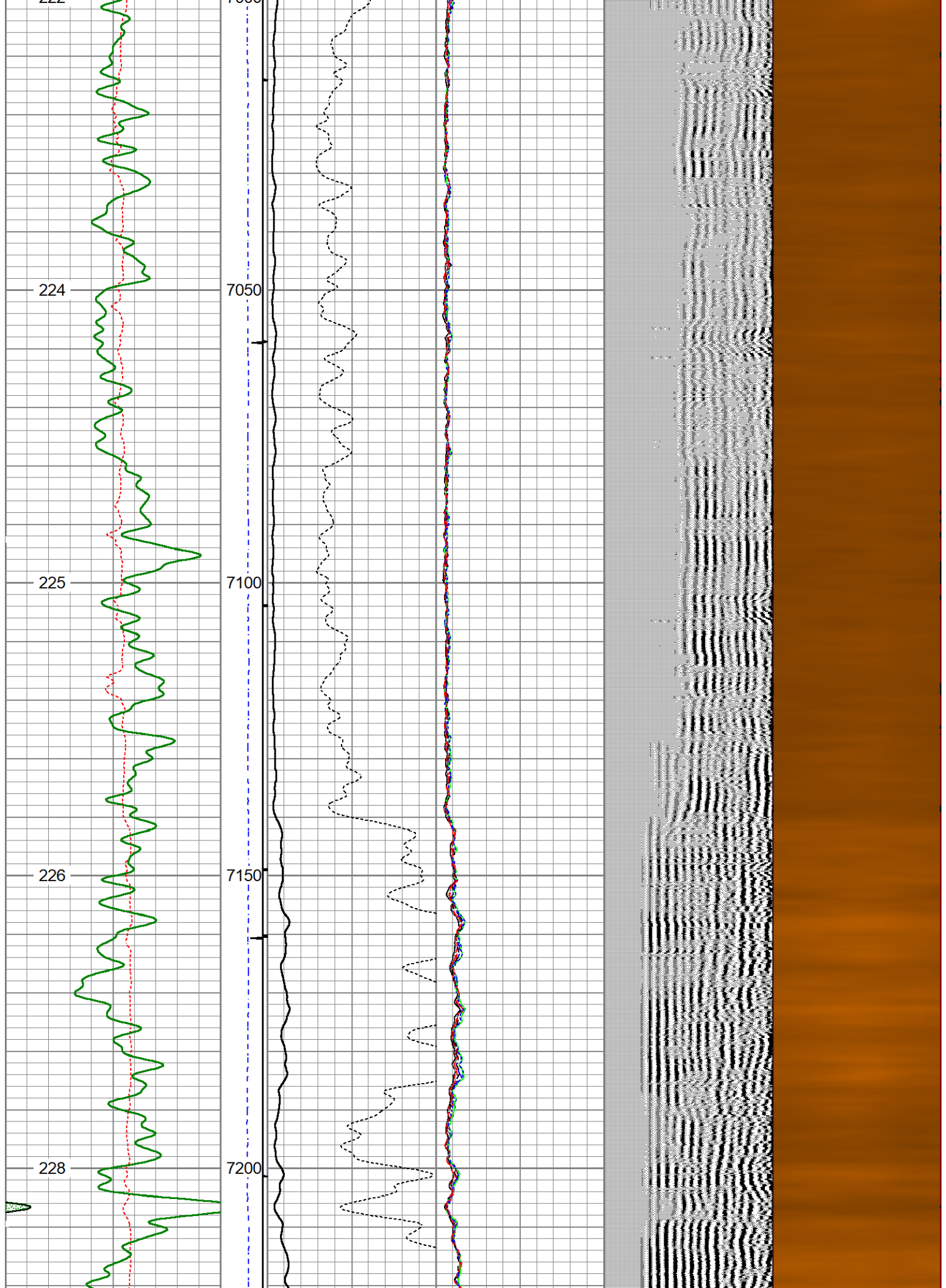


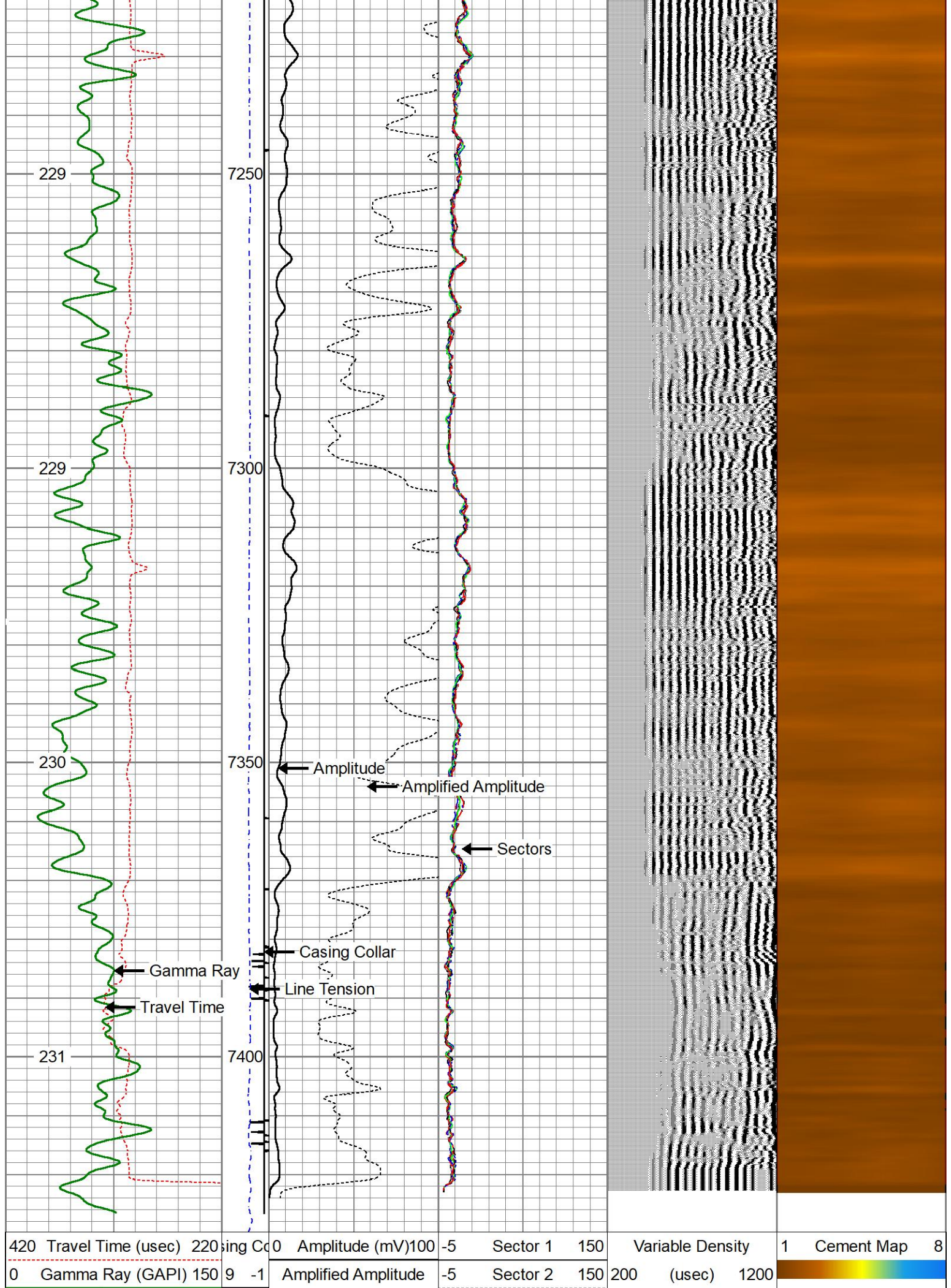













TEMP (degF)	e Tens (lb) (2000)	0	(mV)	10	-5	Sector 3	150
					-5	Sector 4	150
					-5	Sector 5	150
					-5	Sector 6	150
					-5	Sector 7	150
					-5	Sector 8	150

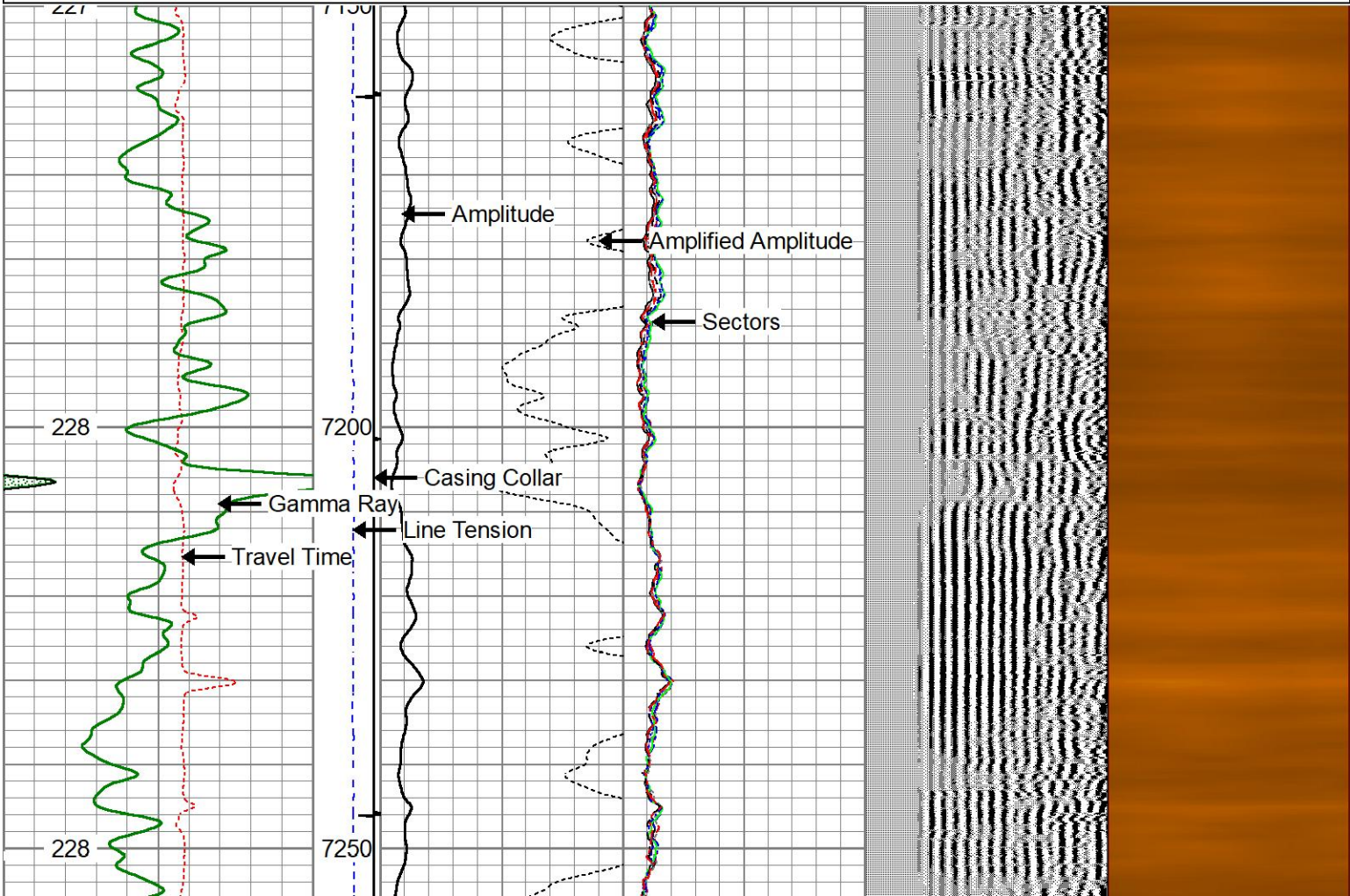


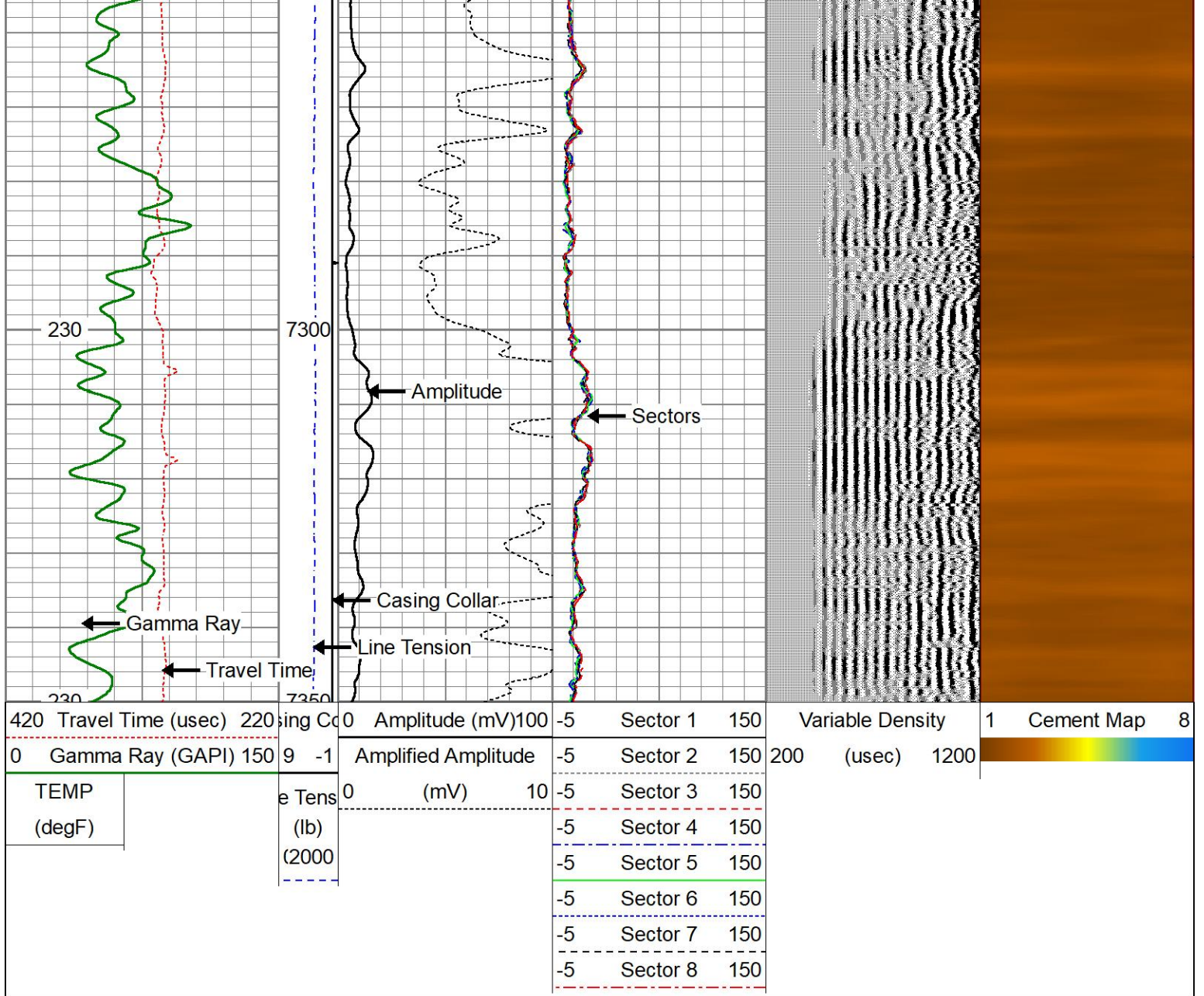
REPEAT PASS - 5"/100'

0 PSI

Database File: gw_postle_142hc_rcbl.db
 Dataset Pathname: pass3
 Presentation Format: scbl03
 Dataset Creation: Sat Jun 13 08:09:51 2020
 Charted by: Depth in Feet scaled 1:240

420	Travel Time (usec)	220	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	200 (usec)	1200		
TEMP (degF)		e Tens (lb) (2000)		0	(mV)	10	-5	Sector 3	150				
							-5	Sector 4	150				
							-5	Sector 5	150				
							-5	Sector 6	150				
							-5	Sector 7	150				
							-5	Sector 8	150				





Calibration Report

Database File gw_postle_142hc_rcbl.db
 Dataset Pathname pass4
 Dataset Creation Sat Jun 13 08:14:48 2020

Gamma Ray Calibration Report

Serial Number: FW1304-44
 Tool Model: Probe275
 Performed: Wed Jun 10 11:28:30 2020

Calibrator Value: 1037.0 GAPI

Background Reading: 75.9 cps
 Calibrator Reading: 1619.2 cps

Sensitivity: 0.6719 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: 200-100 ft

Master Calibration, performed Sat Jun 13 07:44:26 2020:


	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.002	0.393	1.000	71.921	181.348	0.683
CAL	0.001	0.477				
5'	0.002	0.350	1.000	71.921	204.342	0.491
SUM						
S1	0.000	0.385	0.000	100.000	259.882	-0.013
S2	0.002	0.400	0.000	100.000	251.165	-0.386
S3	0.002	0.410	0.000	100.000	245.108	-0.389
S4	0.001	0.411	0.000	100.000	244.202	-0.343
S5	0.001	0.405	0.000	100.000	247.919	-0.336
S6	0.001	0.409	0.000	100.000	245.402	-0.356
S7	0.002	0.400	0.000	100.000	250.758	-0.395
S8	0.002	0.390	0.000	100.000	257.772	-0.434

Internal Reference Calibration, performed (Not Performed):

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.001	0.477	1.000	0.000

Air Zero Calibration, performed Sun Dec 01 07:26:27 2019:

	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	15.75		CHD-Titan Titan 1 7/16" GO Cablehead	1.00	1.44	5.00
Temp	12.90					

WVFS8	10.67		RBT-Probe 2.75 Radii W/Temp (FW1306-49.21) Probe 2.75" Radial with Integral Temperature Sub	2.75	90.00	
WVFS7	10.67					
WVFS6	10.67					
WVFS5	10.67					
WVFS4	10.67					
WVFS3	10.67					
WVFS2	10.67					
WVFS1	10.67					
WVFCAL	10.67					
WVF3FT	10.67					
WVF5FT	9.67					
HEADVOLT	6.42					
CCL	5.50					
GR	2.58		GR-Probe275 (FW1304-44) Probe 2 3/4" Logging Gamma Ray 6 Pin	6.42	2.75	57.00

Dataset: gw_postle_142hc_rcbl.db: field/well/run1/pass4
 Total length: 16.63 ft
 Total weight: 152.00 lb
 O.D.: 2.75 in



Company	Great Western Oil & Gas Company
Well	Postle IC 09-142HC
Field	Wattenberg
County	Weld
State	CO
Country	USA