



Radial Cement Bond
Gamma Ray / CCL
Temperature

Company Whiting Oil & Gas
Well Horsetail 07E-1804
Field Wildcat
County Weld State Colorado

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Well Horsetail 07E-1804
Field Wildcat
County Weld
State Colorado

Location: API #: 05-123-41645-0000 Other Services
NW NW 2460' FNL & 890' FWL
SEC 7 TWP 10N RGE 57W
Permanent Datum GROUND LEVEL Elevation 4927 FT
Log Measured From KELLY BUSHING
Drilling Measured From KELLY BUSHING 21 FT
Elevation
K.B. 4948 FT
D.F. 4949 FT
G.L. 4927 FT

Date 09 - MAR - 2016

Run Number One
Depth Driller 13948 FT
Depth Logger 5910'
Bottom Logged Interval 5910'
Top Log Interval Surface
Open Hole Size
Type Fluid Water
Density / Viscosity ~8.3#
Max. Recorded Temp. 200 degF
Estimated Cement Top 1110'
Time Well Ready On Arrival
Time Logger on Bottom 15:30
Equipment Number W-060
Location Windsor CO.
Recorded By Ron Wells
Witnessed By Jeff

Borehole Record
Run Number Bit From To Size Weight From To

Casing Record
Surface String 9.625 IN 36 # Top SURFACE Bottom 2038 FT
Prot. String
Production String 5.5" 20# Surface TD
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

This log to be used for primary depth control

Short Joint:
5115-5140'

May need more information from client for log header.

Calibration Report

Database File: c:\documents and settings\w059\desktop\horsetail 07e-1804.db
Dataset Pathname: pass19
Dataset Creation: Sun Mar 06 01:02:28 2016 by Log 7.0 B1

Temperature Calibration Report

Serial Number: 060110
 Tool Model: 1.375TEMP
 Performed: Sun Jun 03 16:49:35 2012

	Reference	Reading
Low Reference:	1.00 degF	10.00 cps
High Reference:	100.00 degF	1000.00 cps
Gain:	0.10	
Offset:	0.00	
Delta Spacing	1	

Gamma Ray Calibration Report

Serial Number: 060109
 Tool Model: Probe
 Performed: Mon Jan 26 09:19:58 2009

Calibrator Value: 185.2 GAPI

Background Reading: 4.8 cps
 Calibrator Reading: 200.0 cps

Sensitivity: 0.9487 GAPI/cps

Segmented Cement Bond Log Calibration Report

Serial Number: 060113_45
 Tool Model: Probe

Calibration Casing Diameter: 5.500 in
 Calibration Depth: 191.292 ft

Master Calibration, performed Sat Mar 05 23:39:40 2016:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.000	0.311	0.000	71.921	231.613	0.000
CAL	0.000	0.509				
5'	0.000	0.252	0.000	71.921	284.943	0.000
SUM						
S1	0.000	0.328	0.000	100.000	305.205	0.000
S2	0.000	0.326	0.000	100.000	307.127	0.000
S3	0.000	0.294	0.000	100.000	340.624	0.000
S4	0.000	0.296	0.000	100.000	338.121	0.000
S5	0.000	0.313	0.000	100.000	319.115	0.000
S6	0.000	0.336	0.000	100.000	297.447	0.000
S7	0.000	0.339	0.000	100.000	295.154	0.000
S8	0.000	0.290	0.000	100.000	344.883	0.000

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	0.000	0.509	1.000	0.000

	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

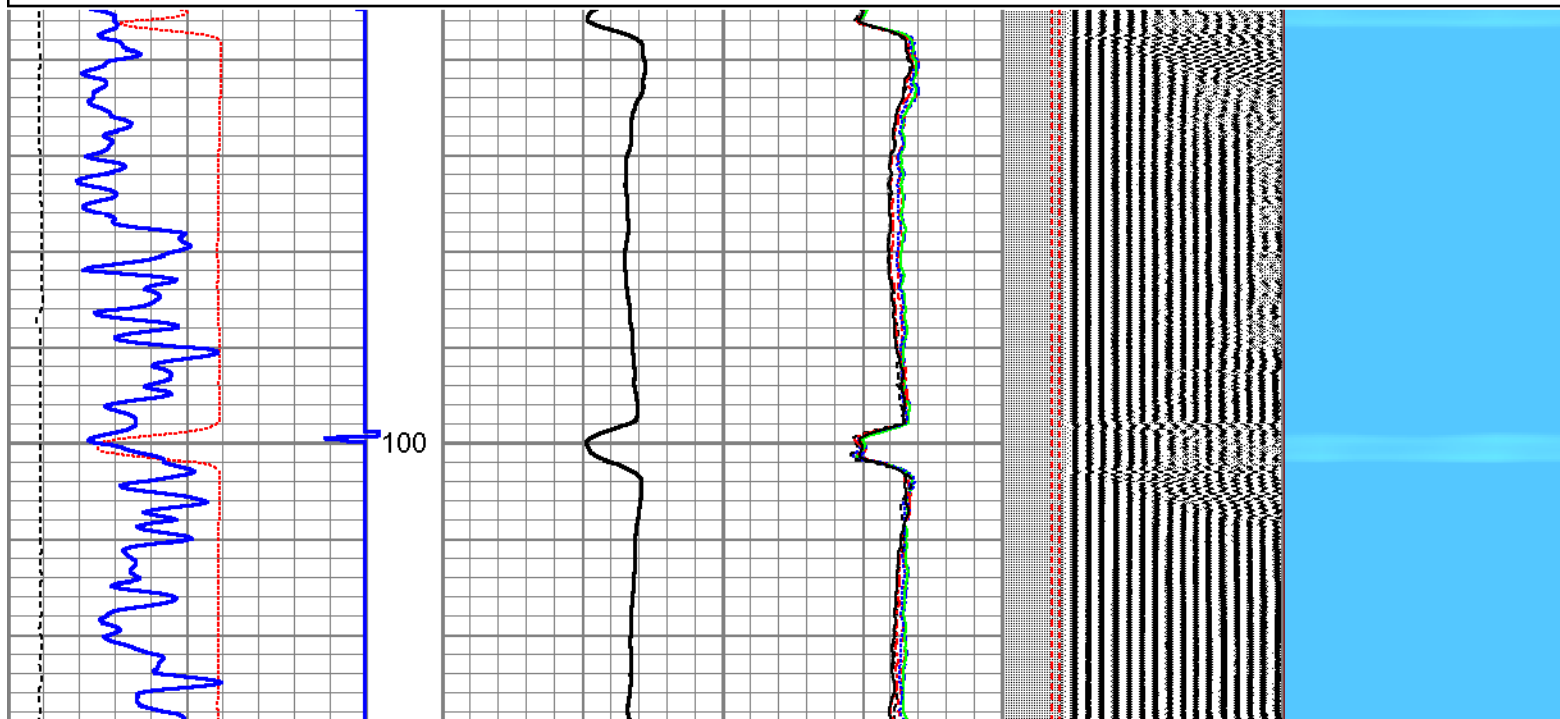


Main Pass

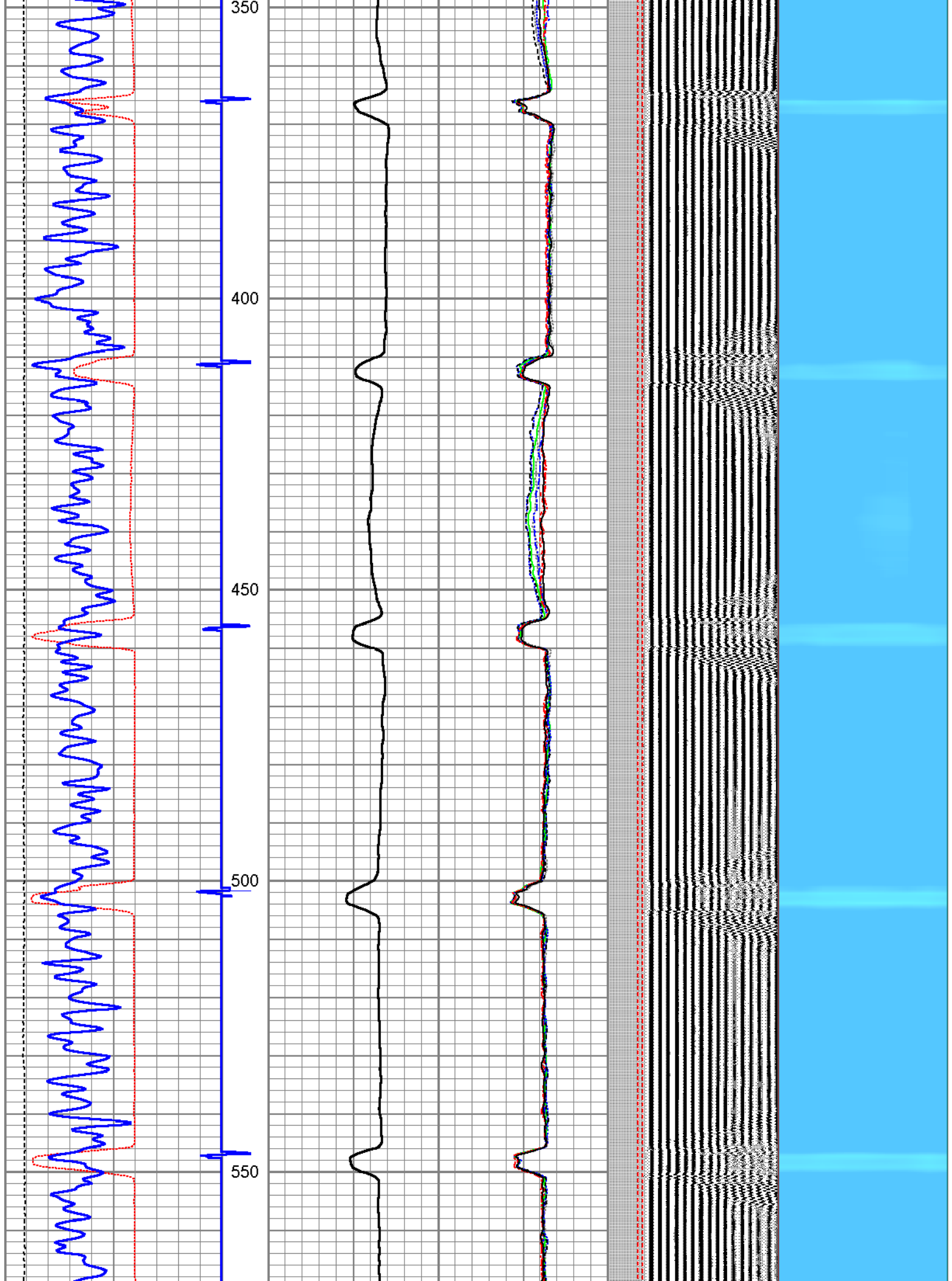
Logged with 1500 psi Surface Pressure

Database File: c:\documents and settings\w059\desktop\horsetail 07e-1804.db
 Dataset Pathname: pass19
 Presentation Format: rbl55
 Dataset Creation: Sun Mar 06 01:02:28 2016 by Log 7.0 B1
 Charted by: Depth in Feet scaled 1:240

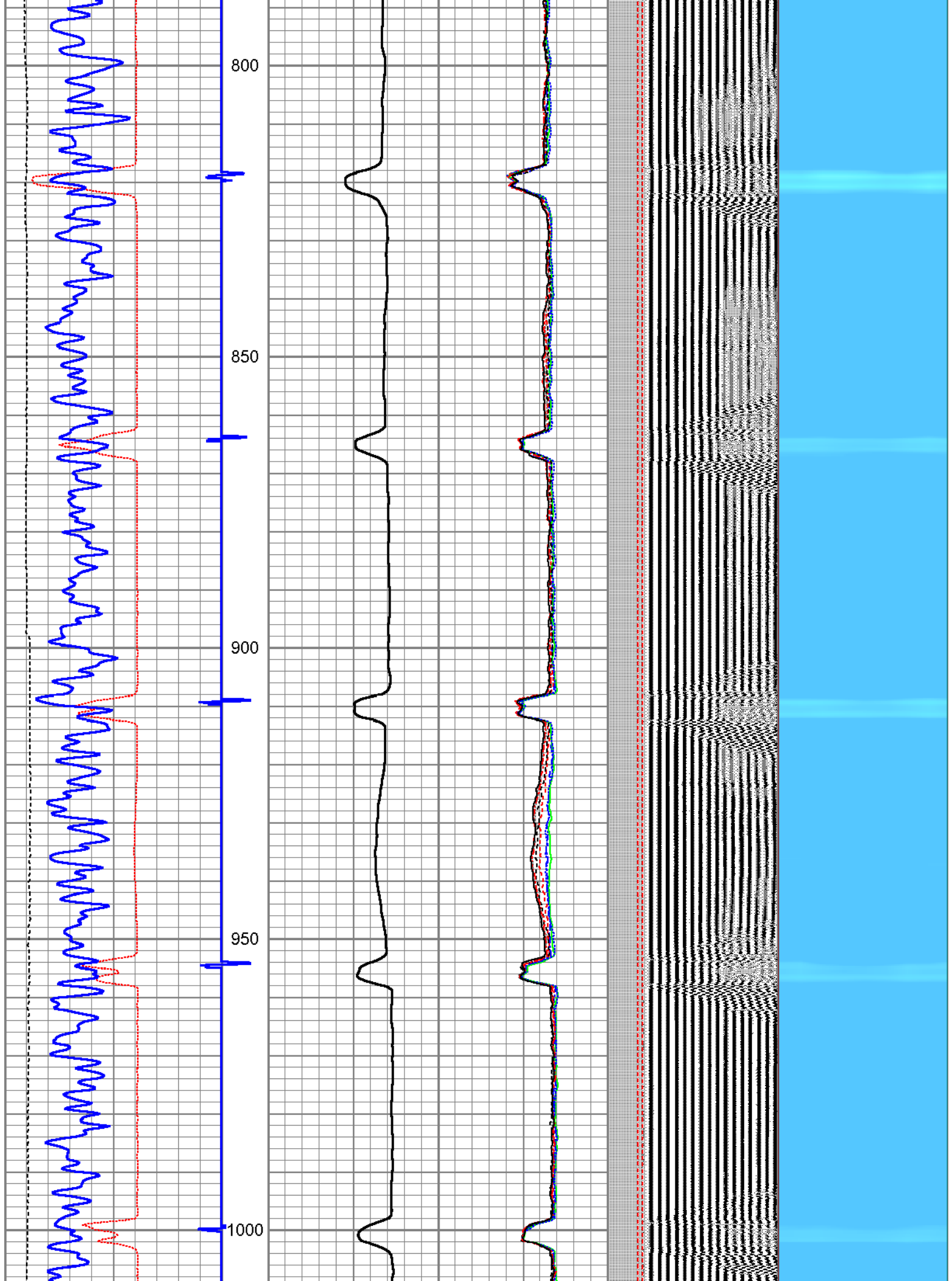
343	TT (usec)	243	<div>CCL</div>	Amplitude	-5	AMPS2	150	200	VDL	1200	Cement Map	
0	GR (GAPI)	150		(mV)	100	-5	AMPS3	150	<div><div></div><div></div><div></div><div></div></div>	1	80	
0	LTEN (lb)	4000		Amplified Amplitude	-5	AMPS4	150	Free Pipe Gate				
150	GR (GAPI)	300		(mV)	10	-5	AMPS5	150				
						-5	AMPS6	150				
						-5	AMPS7	150				
						-5	AMPS8	150				
						-5	AMPS1	150				

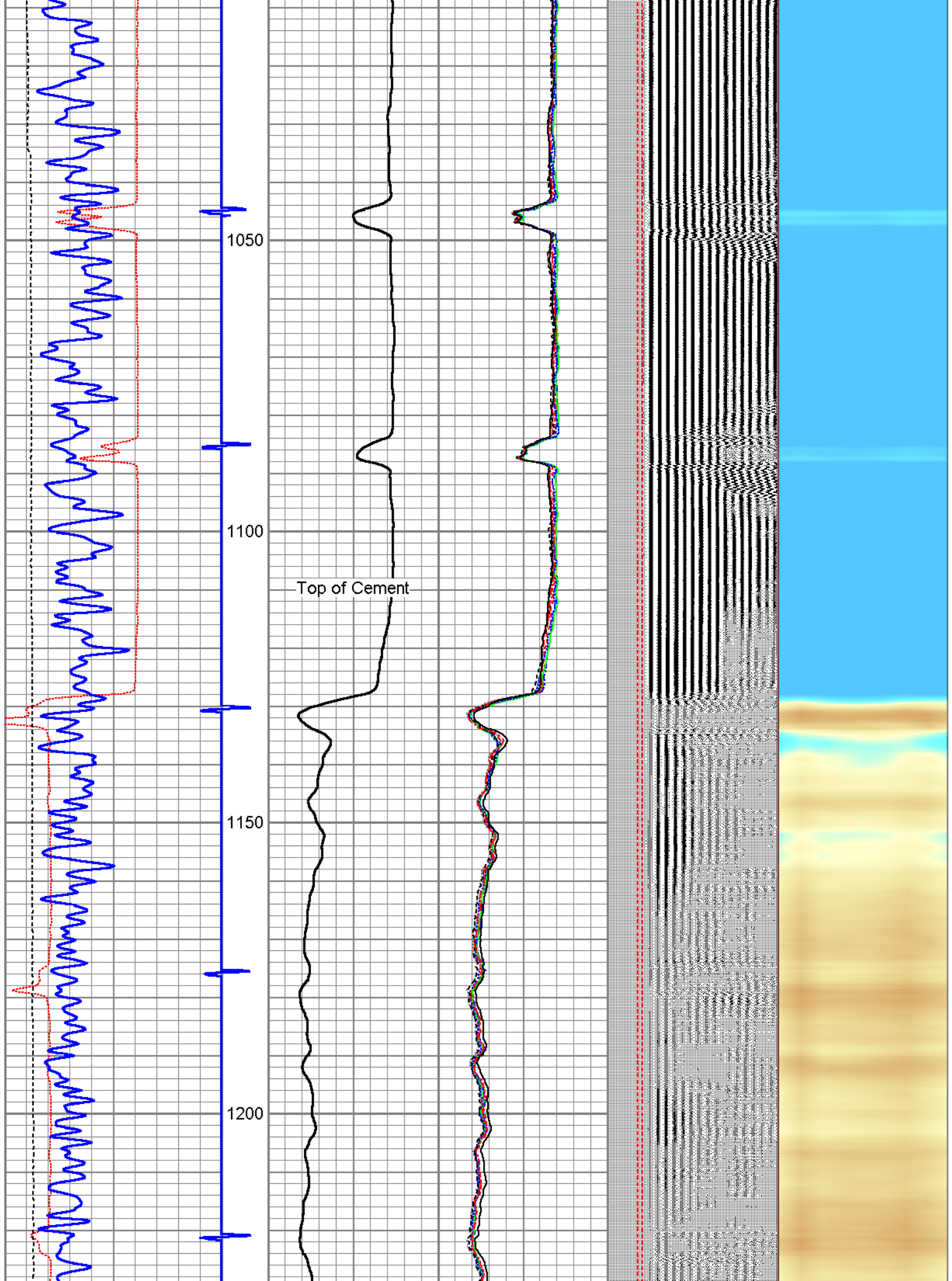


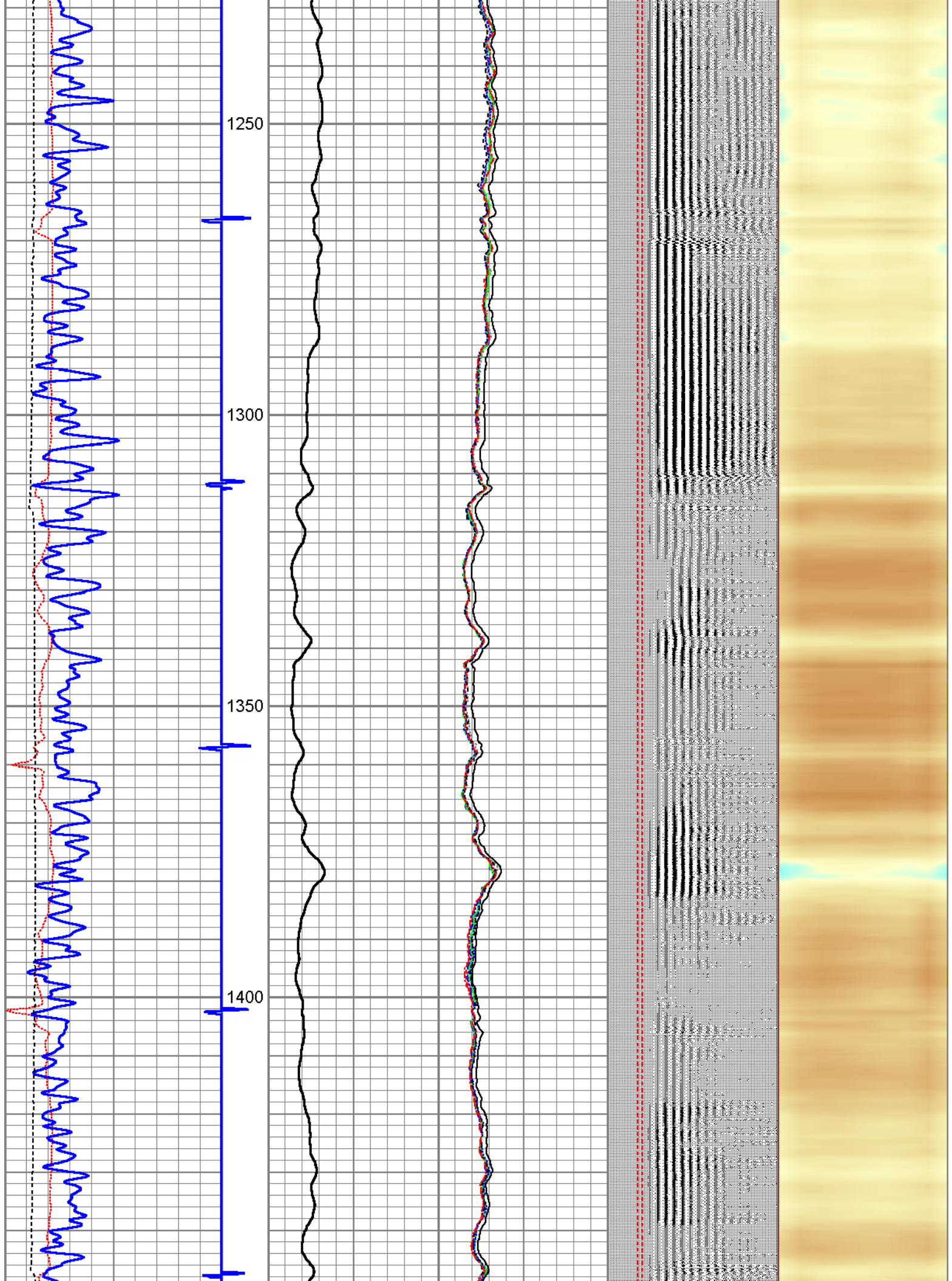


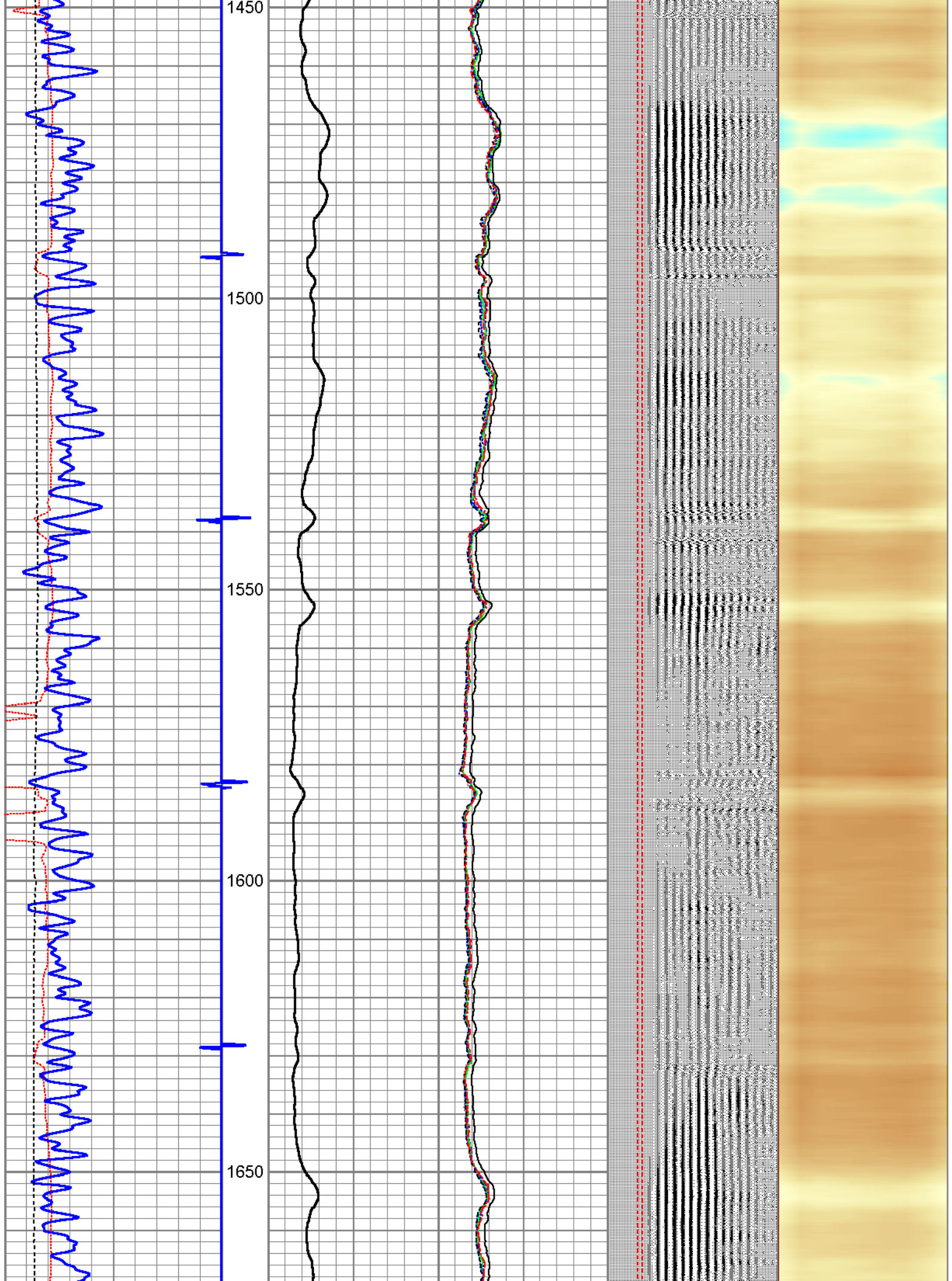


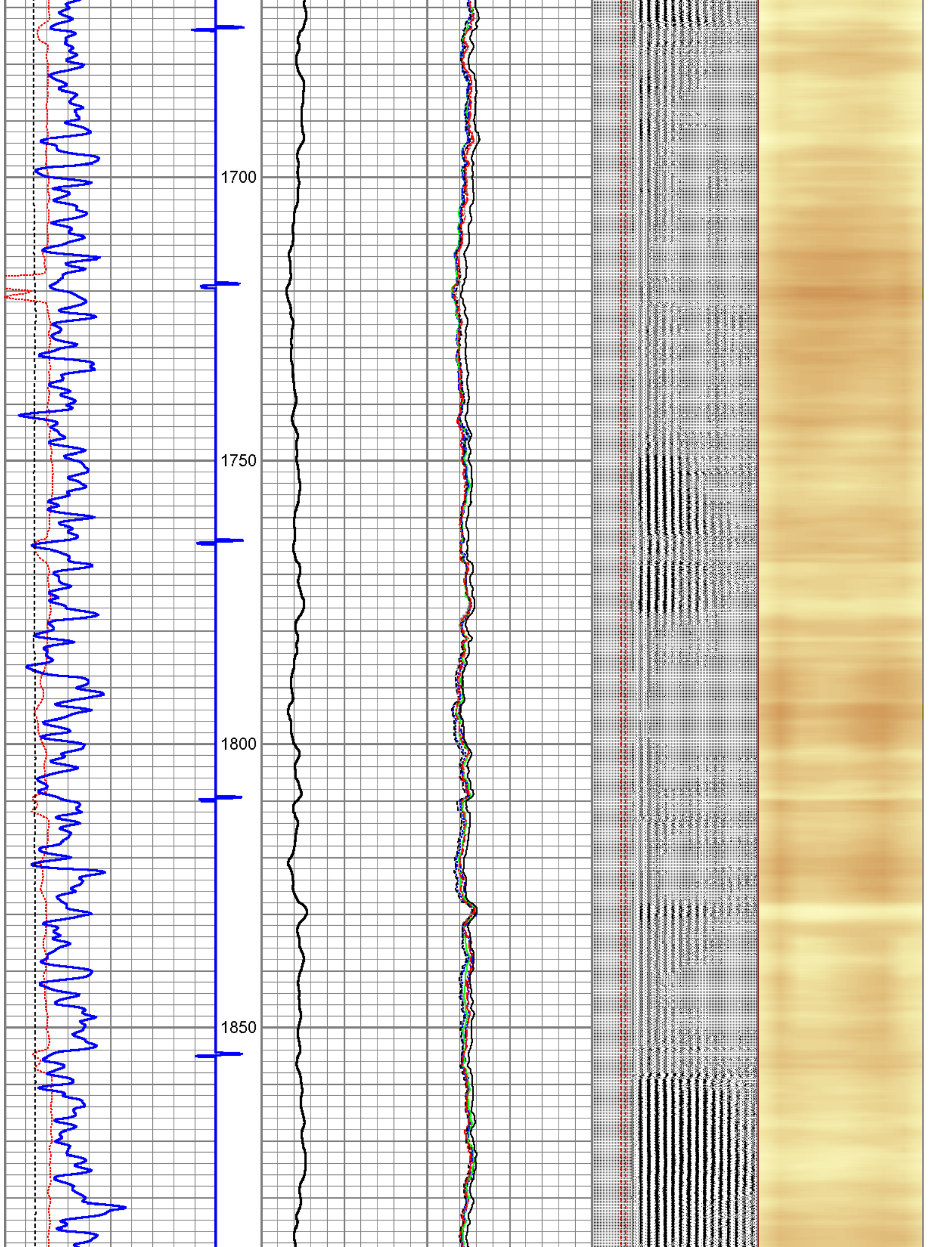


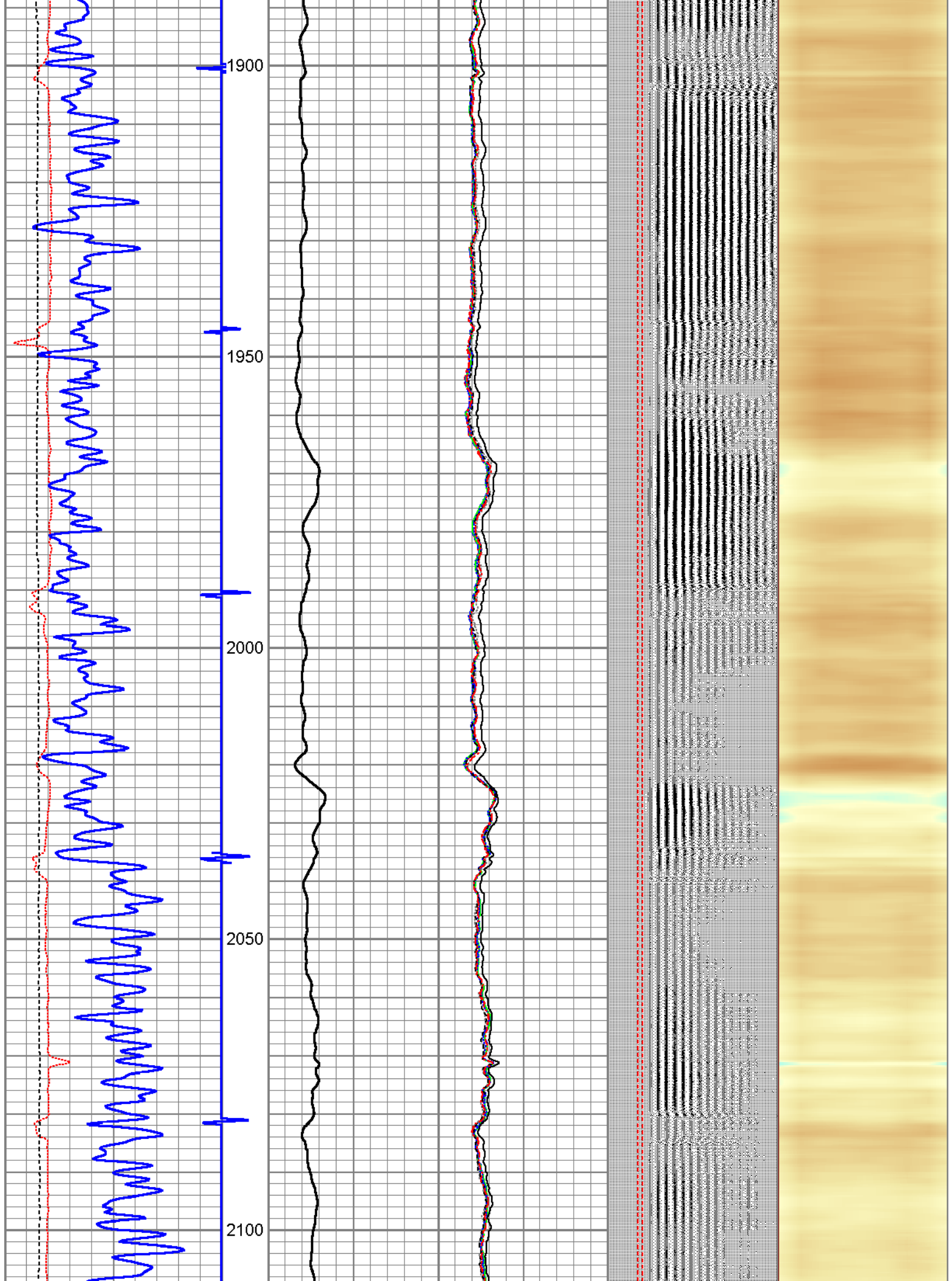


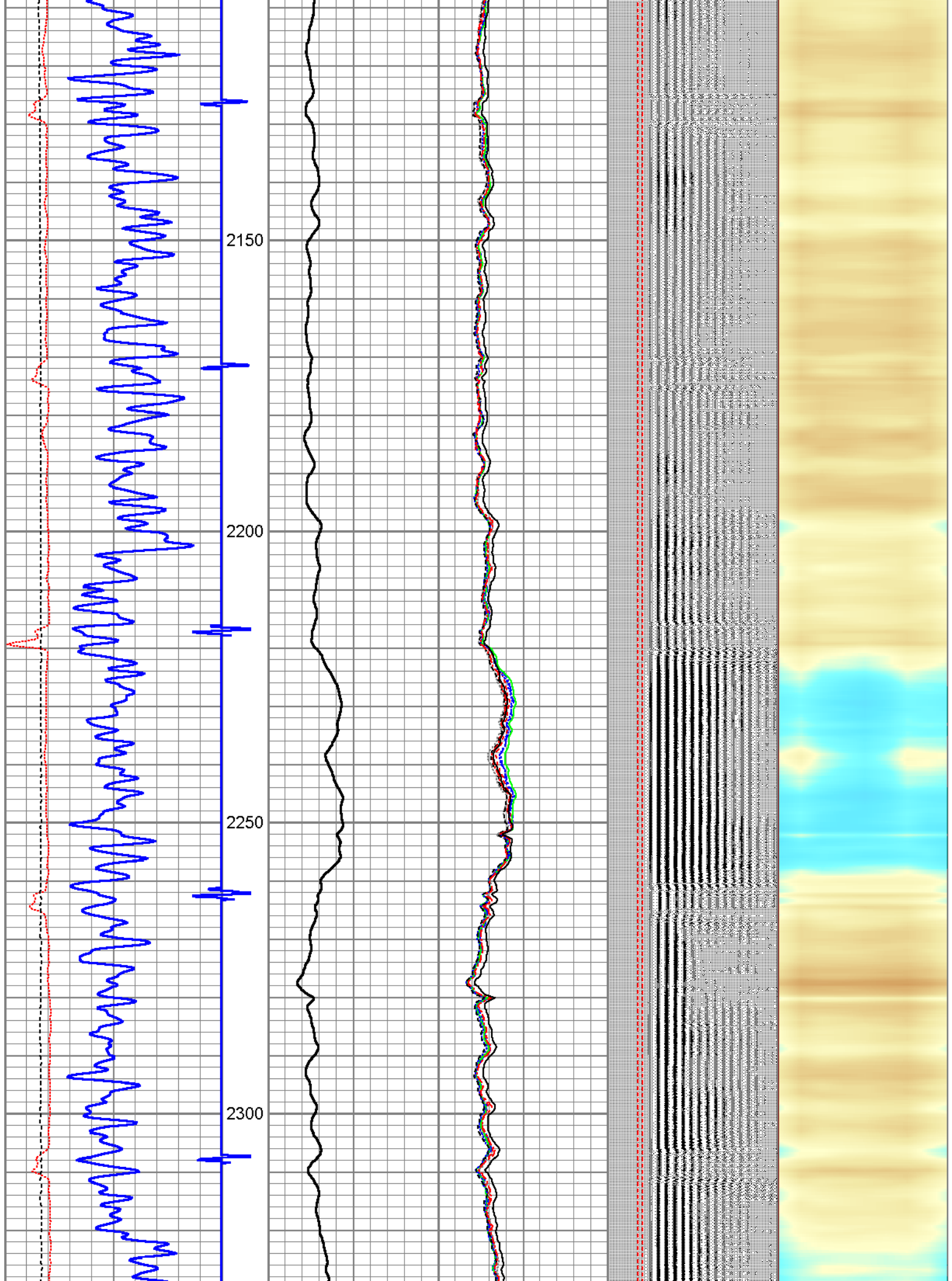


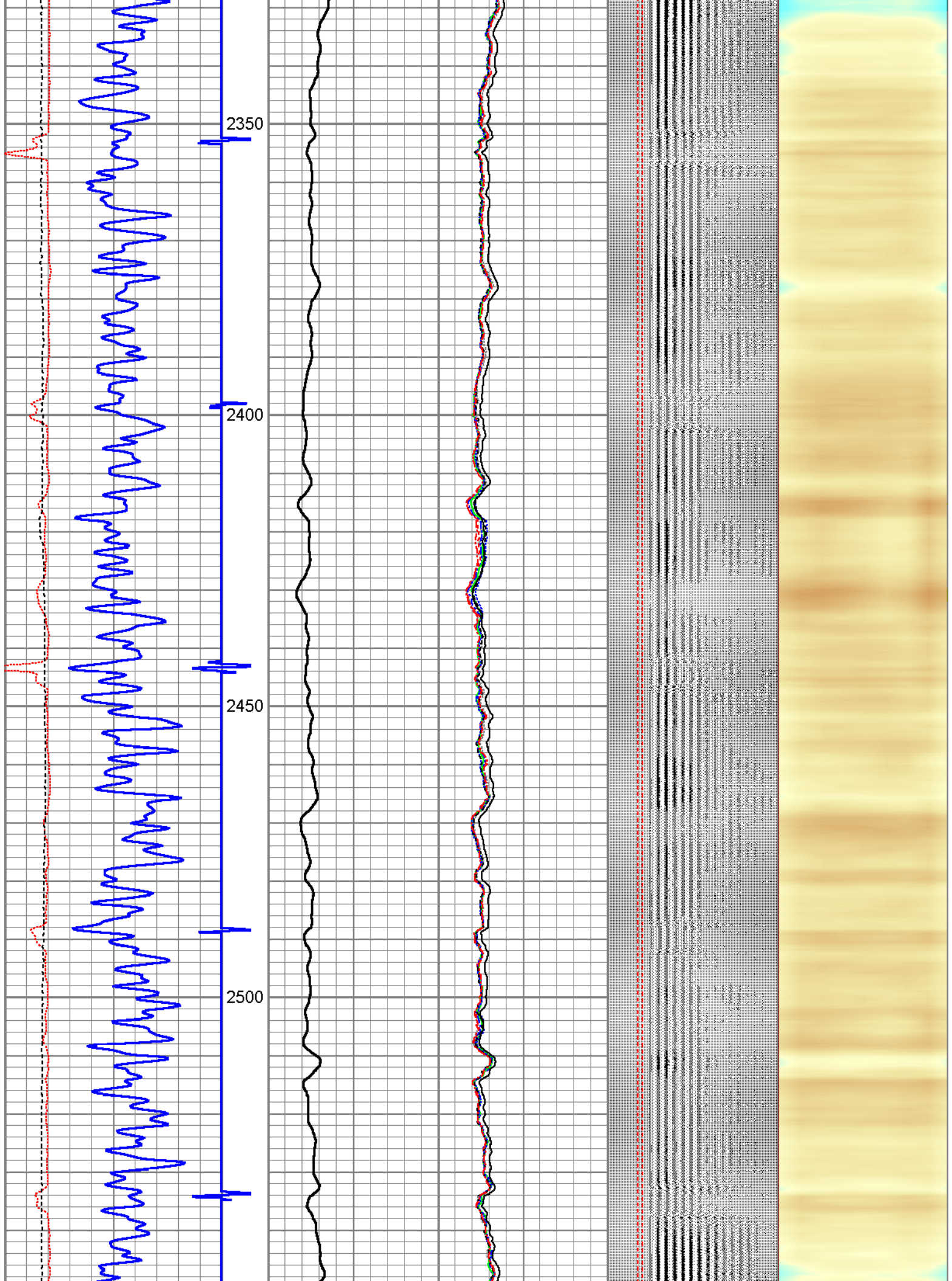


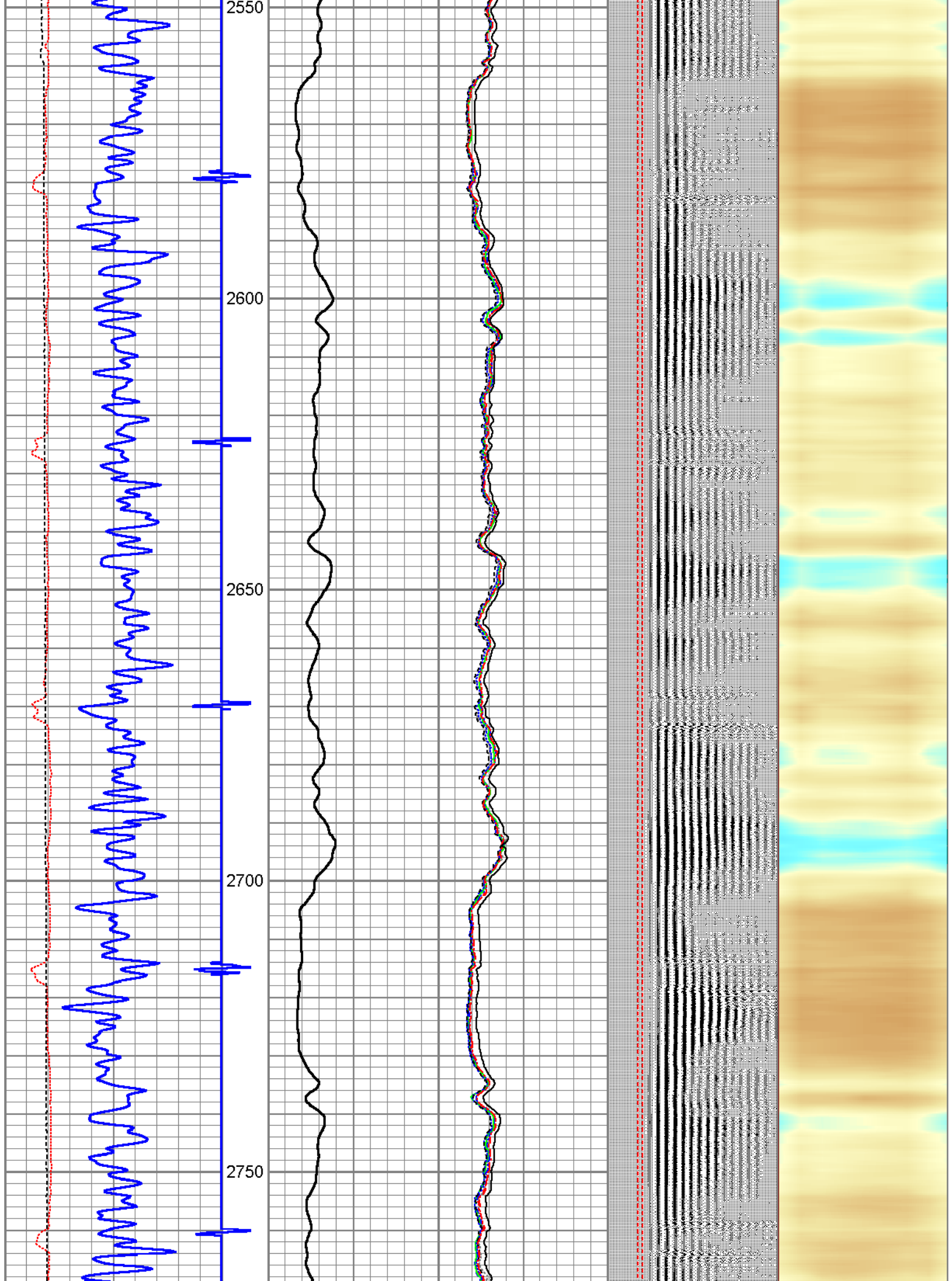


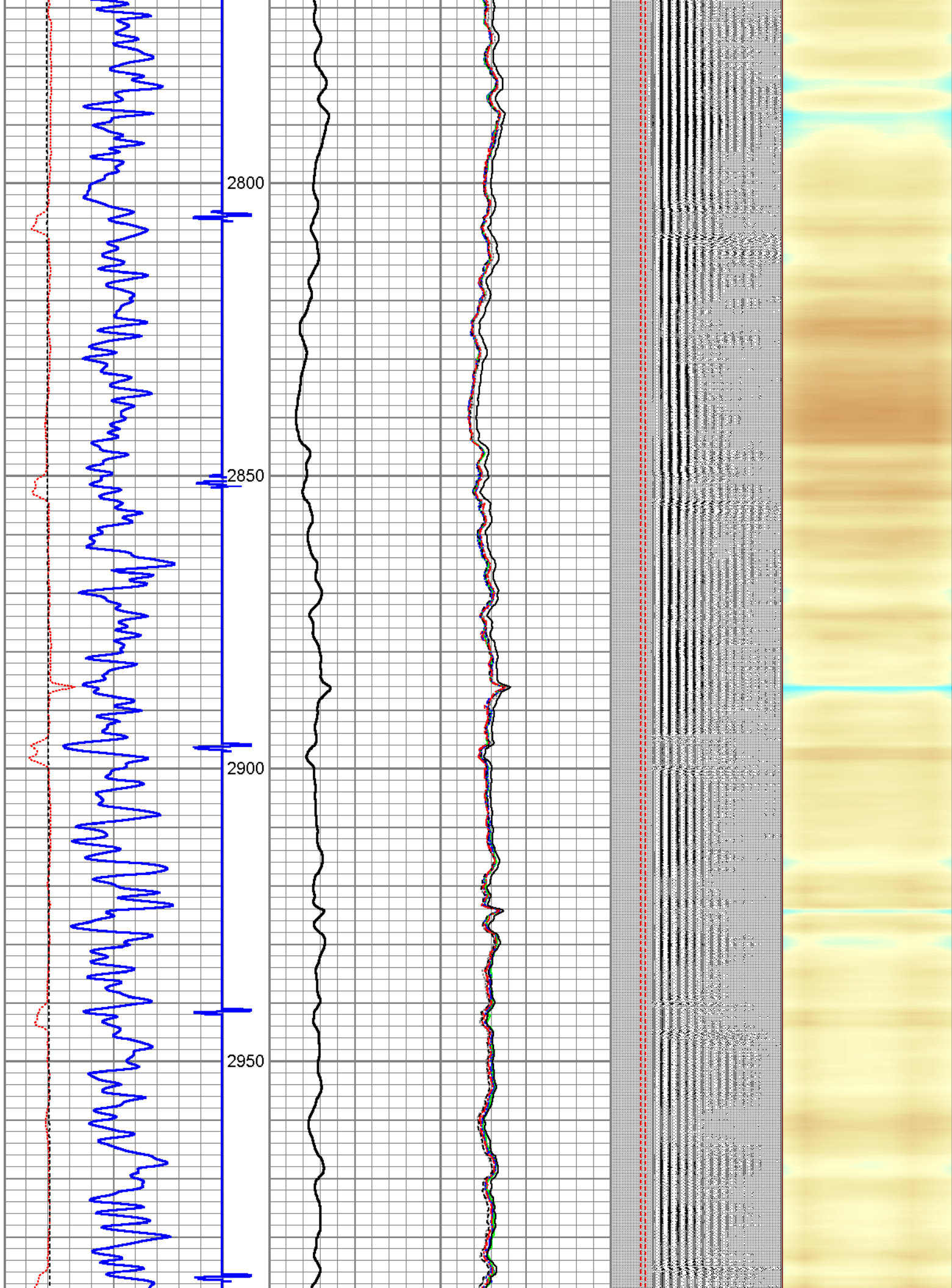


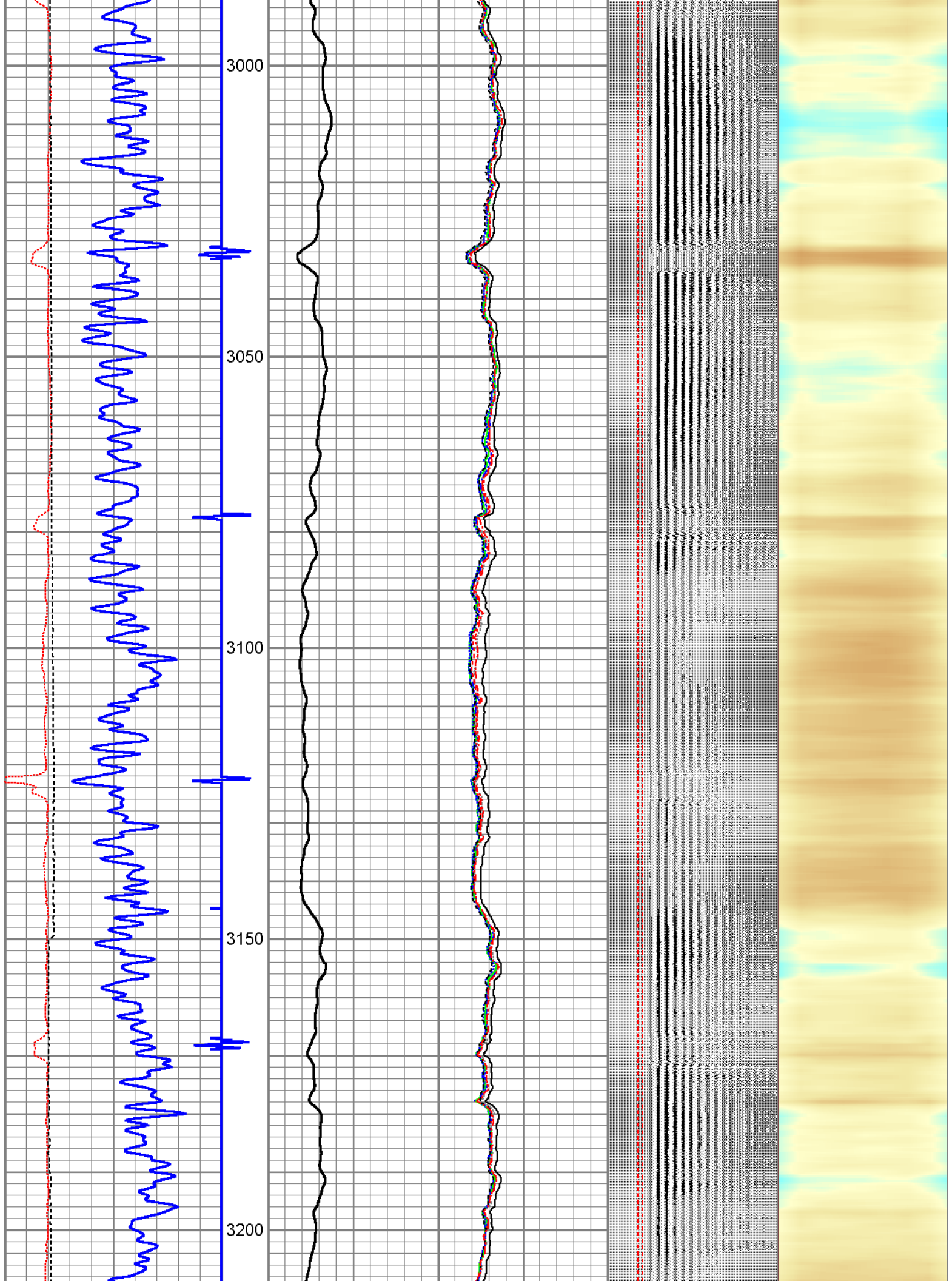


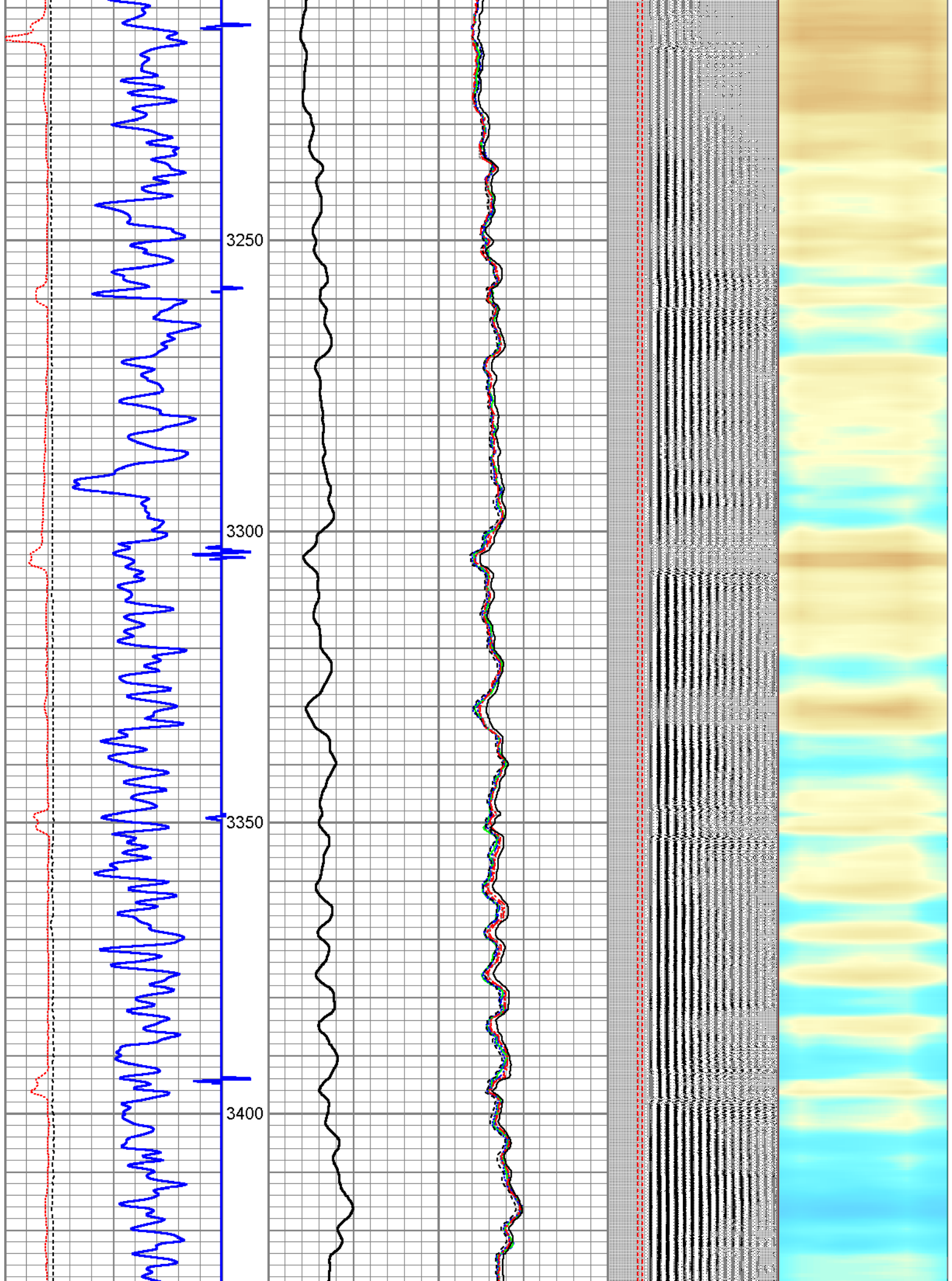


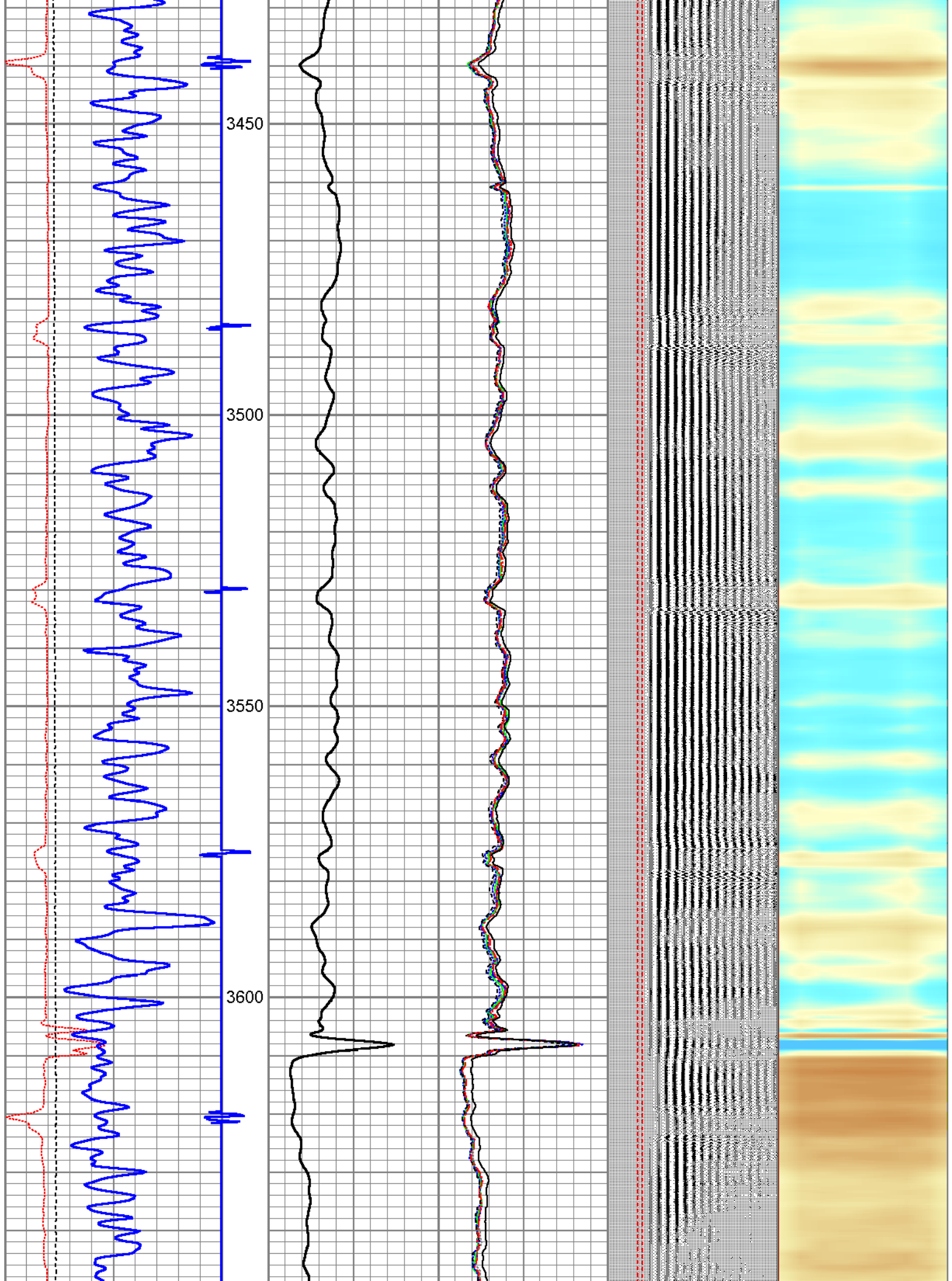


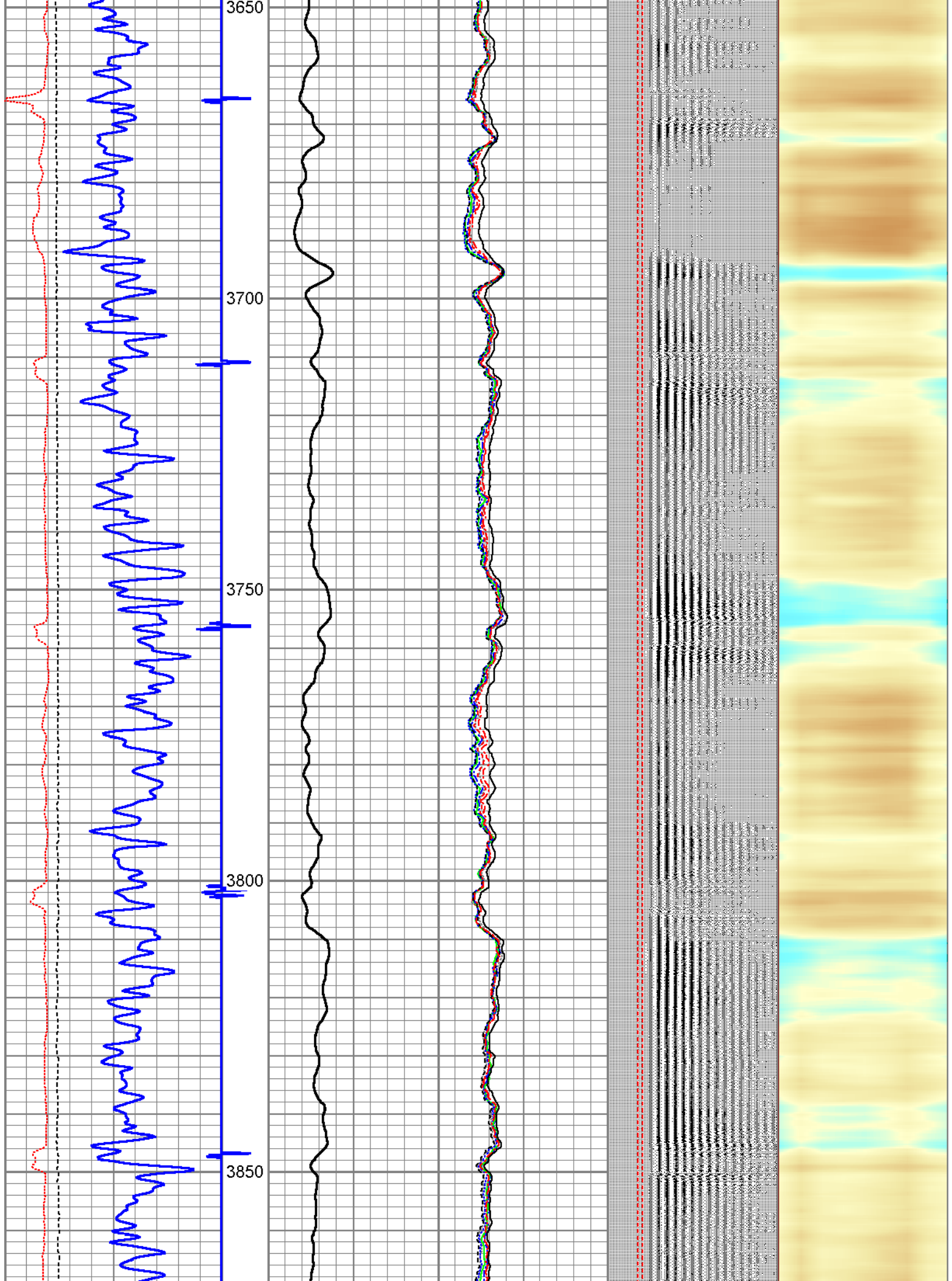


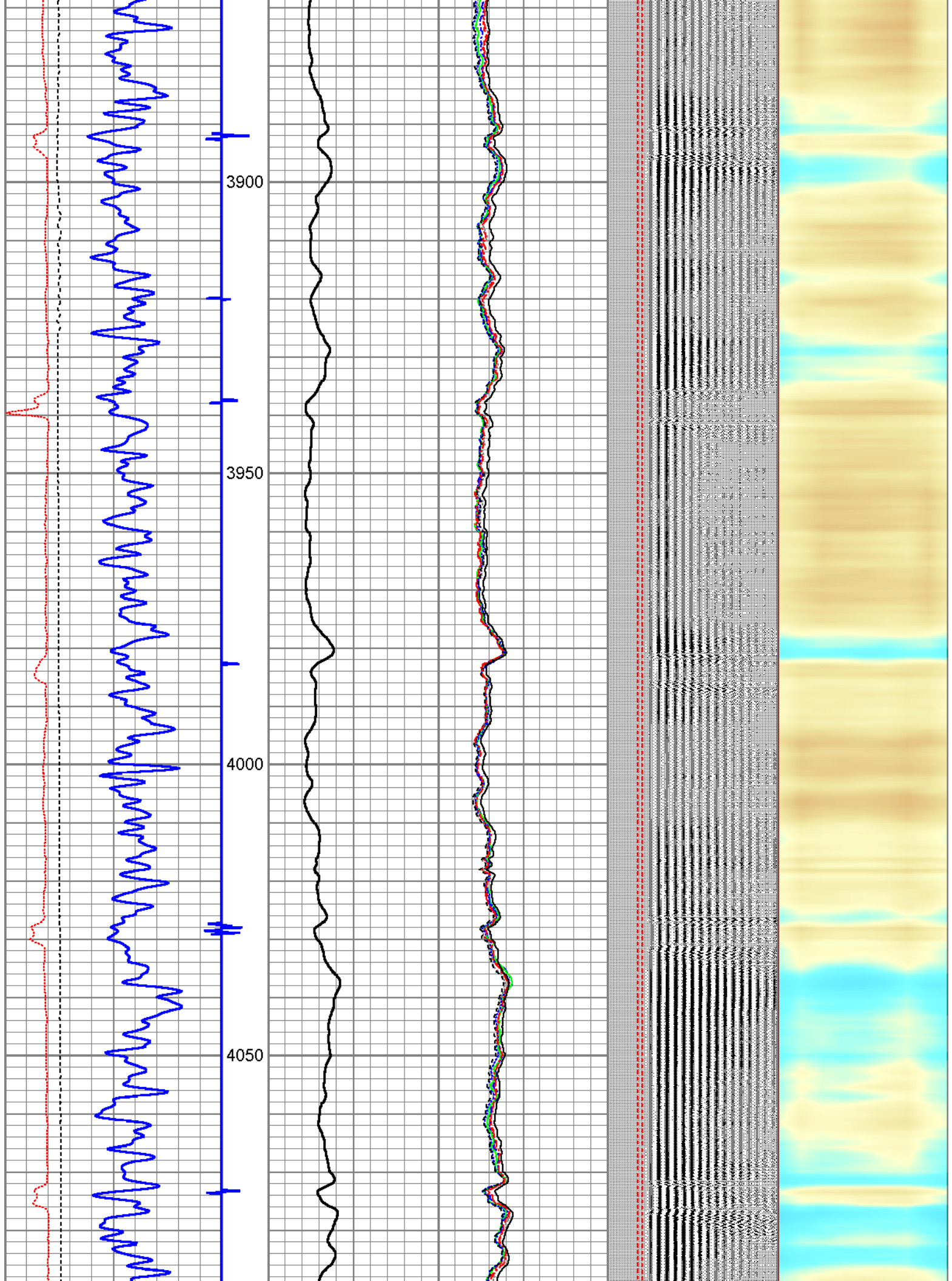


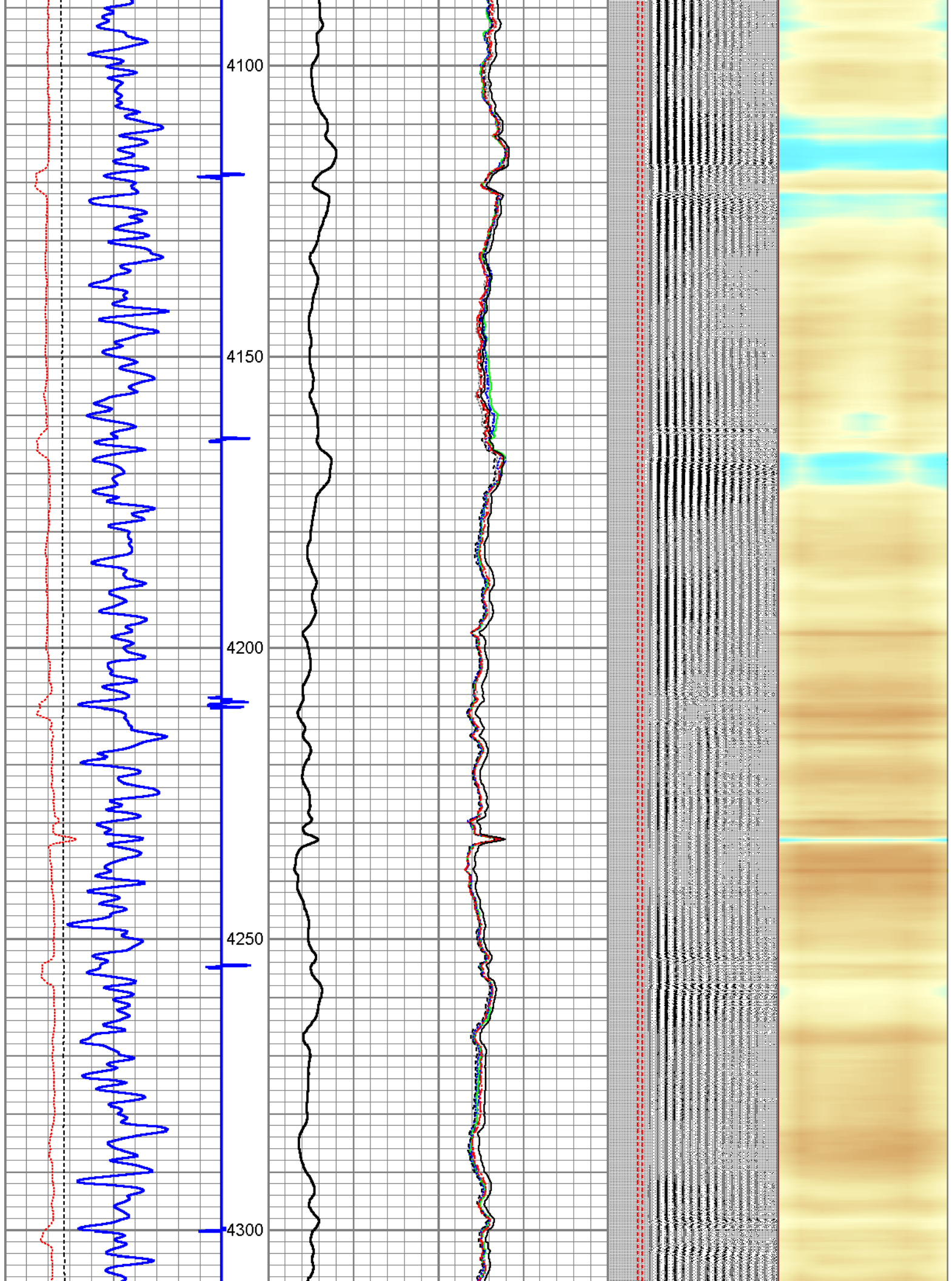


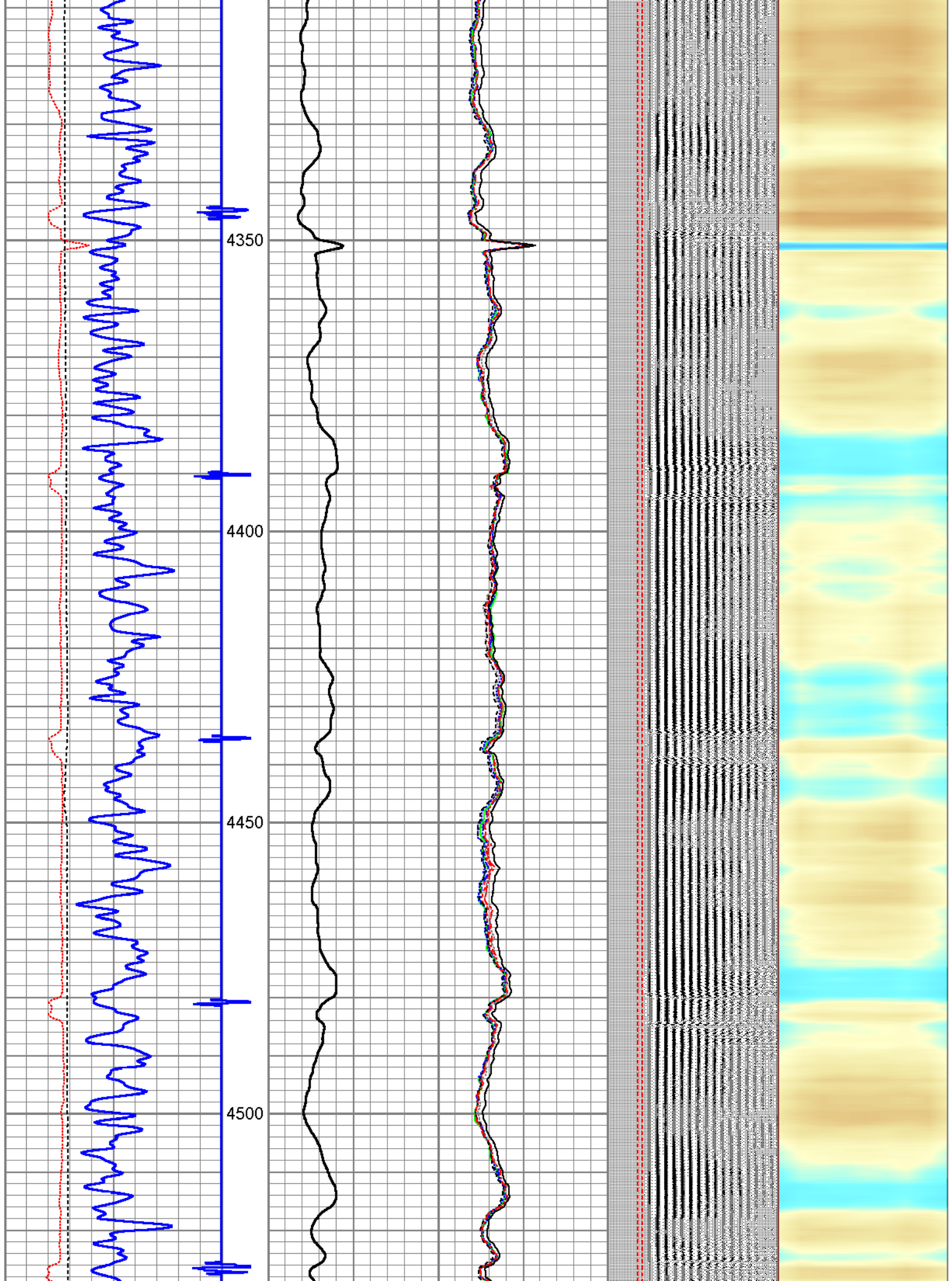


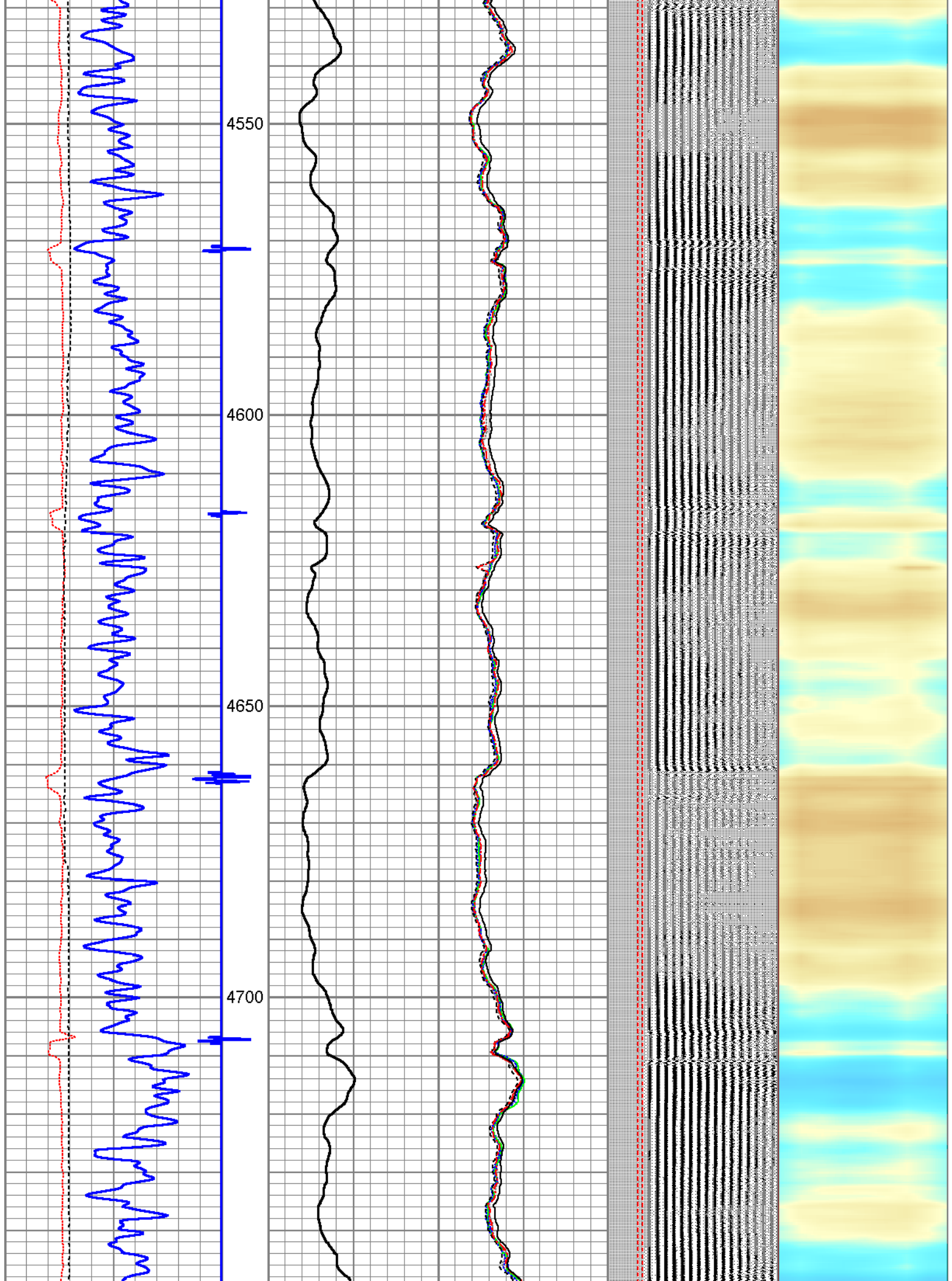


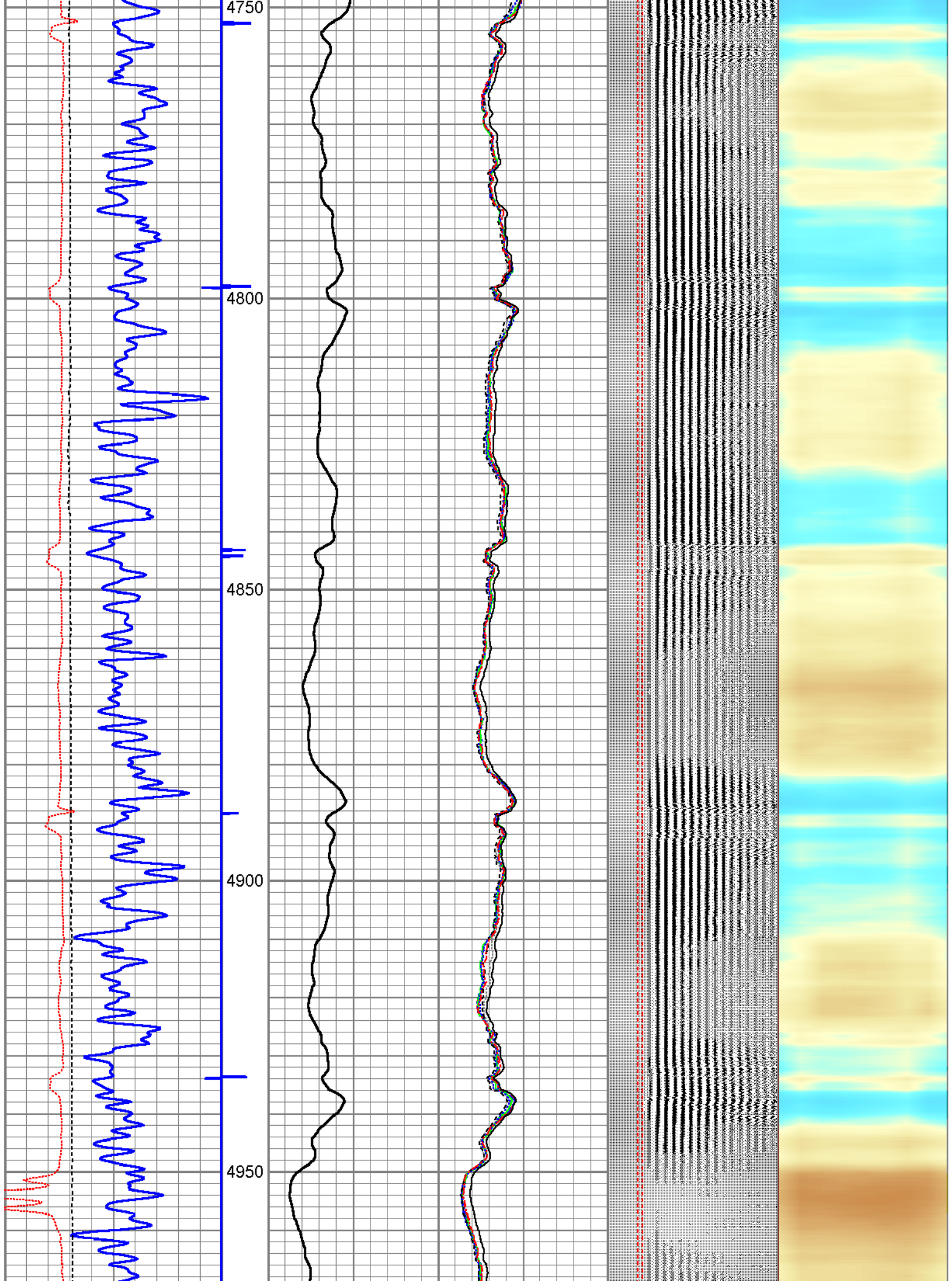


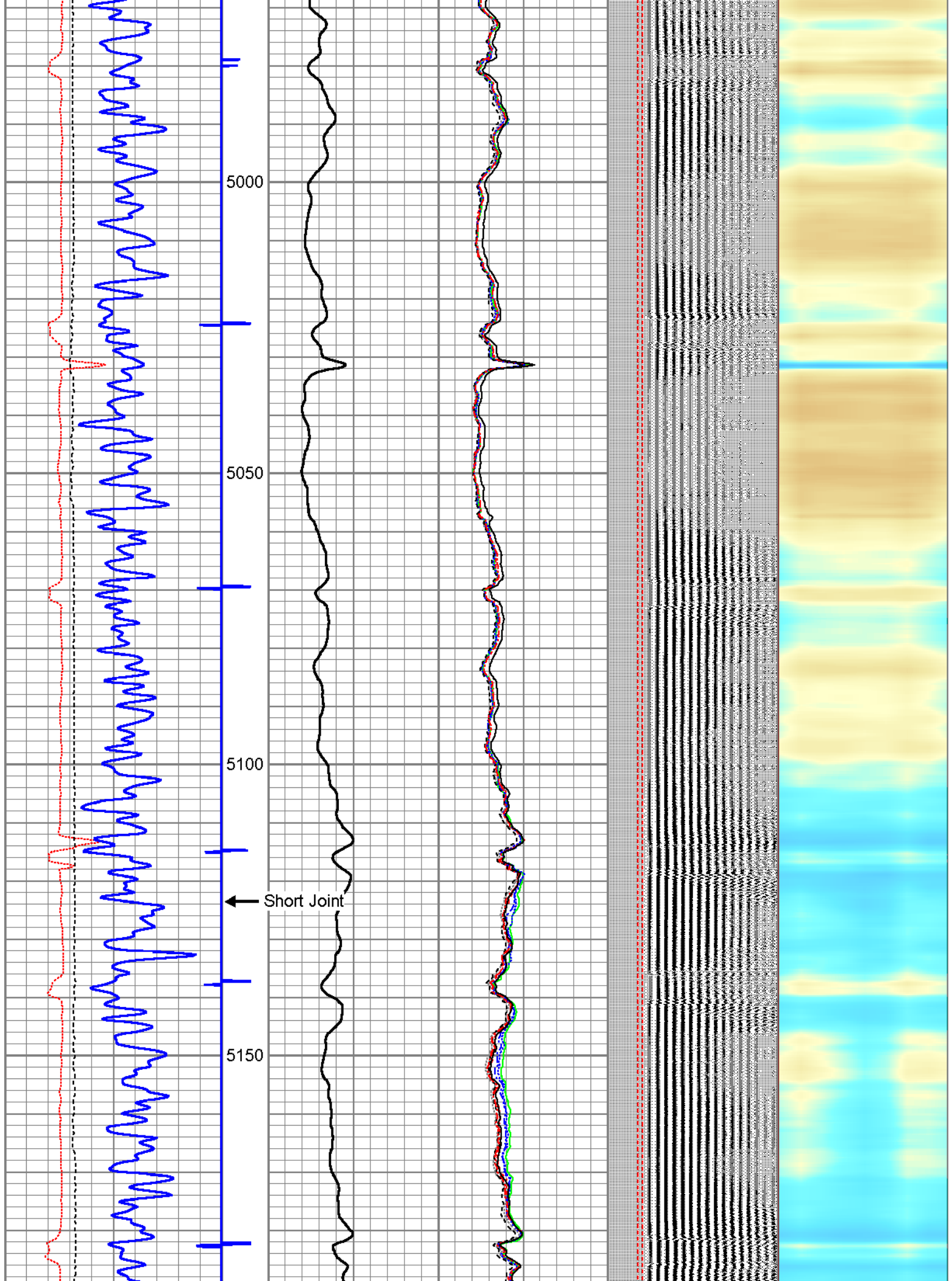


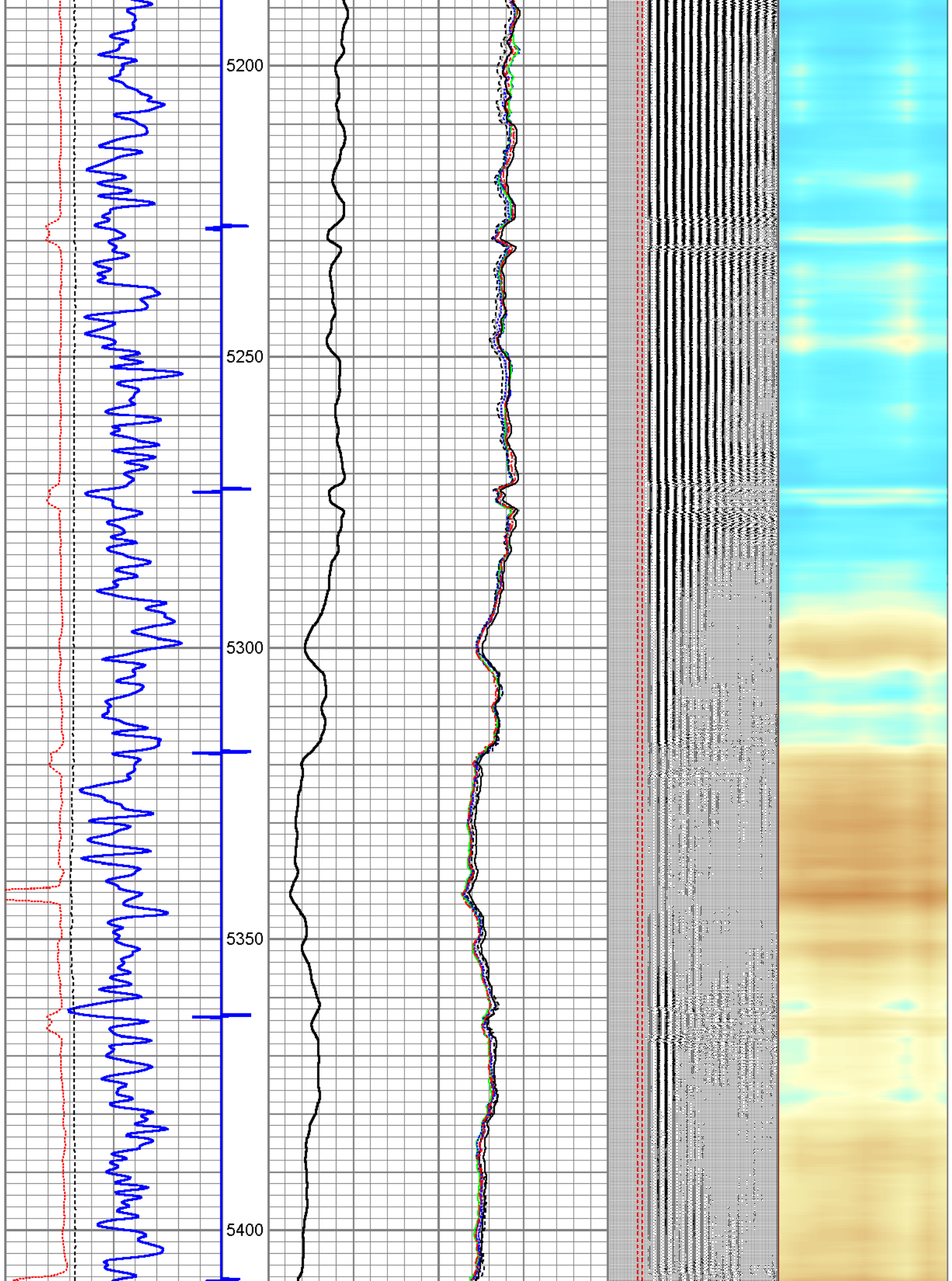


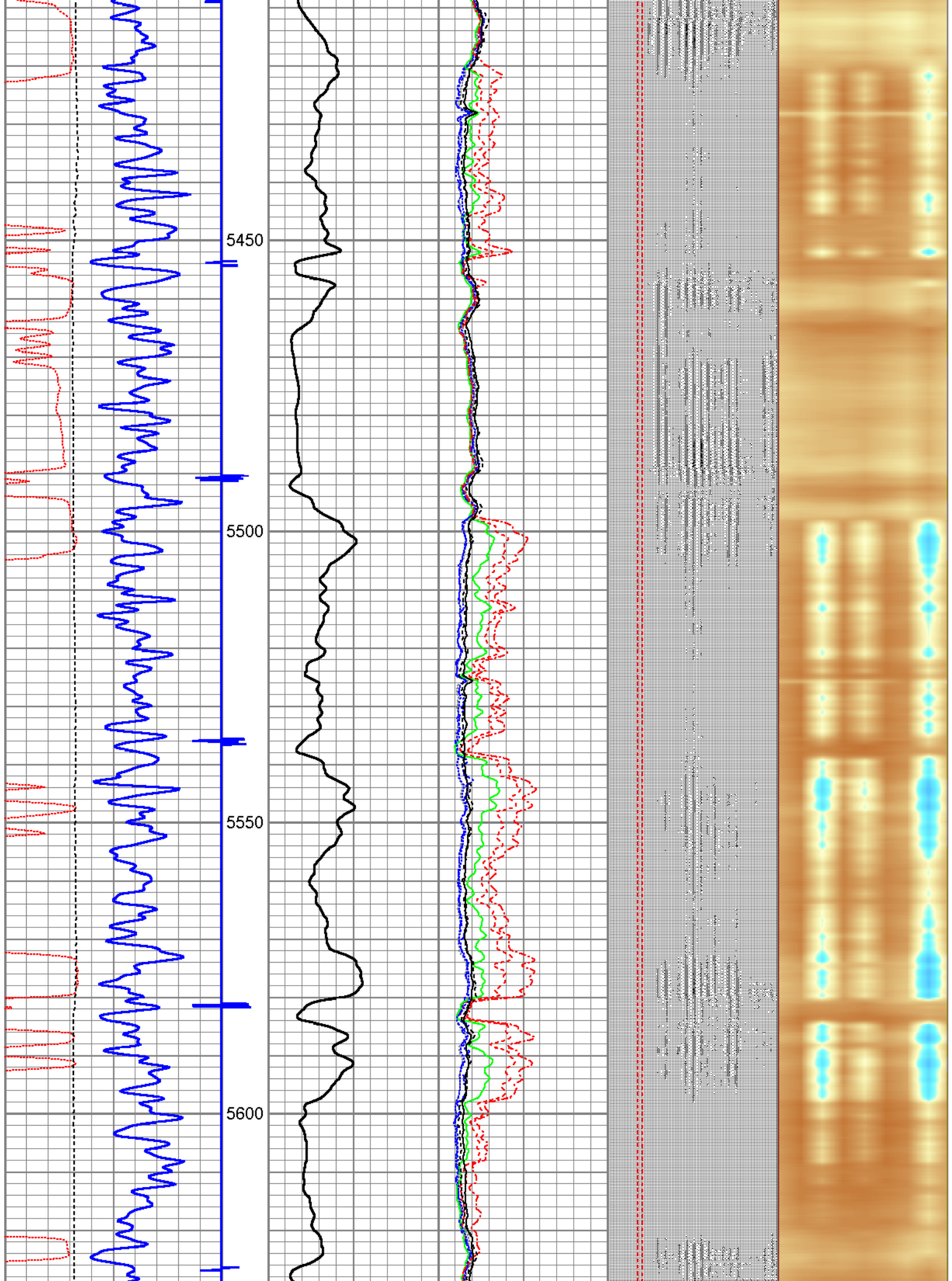


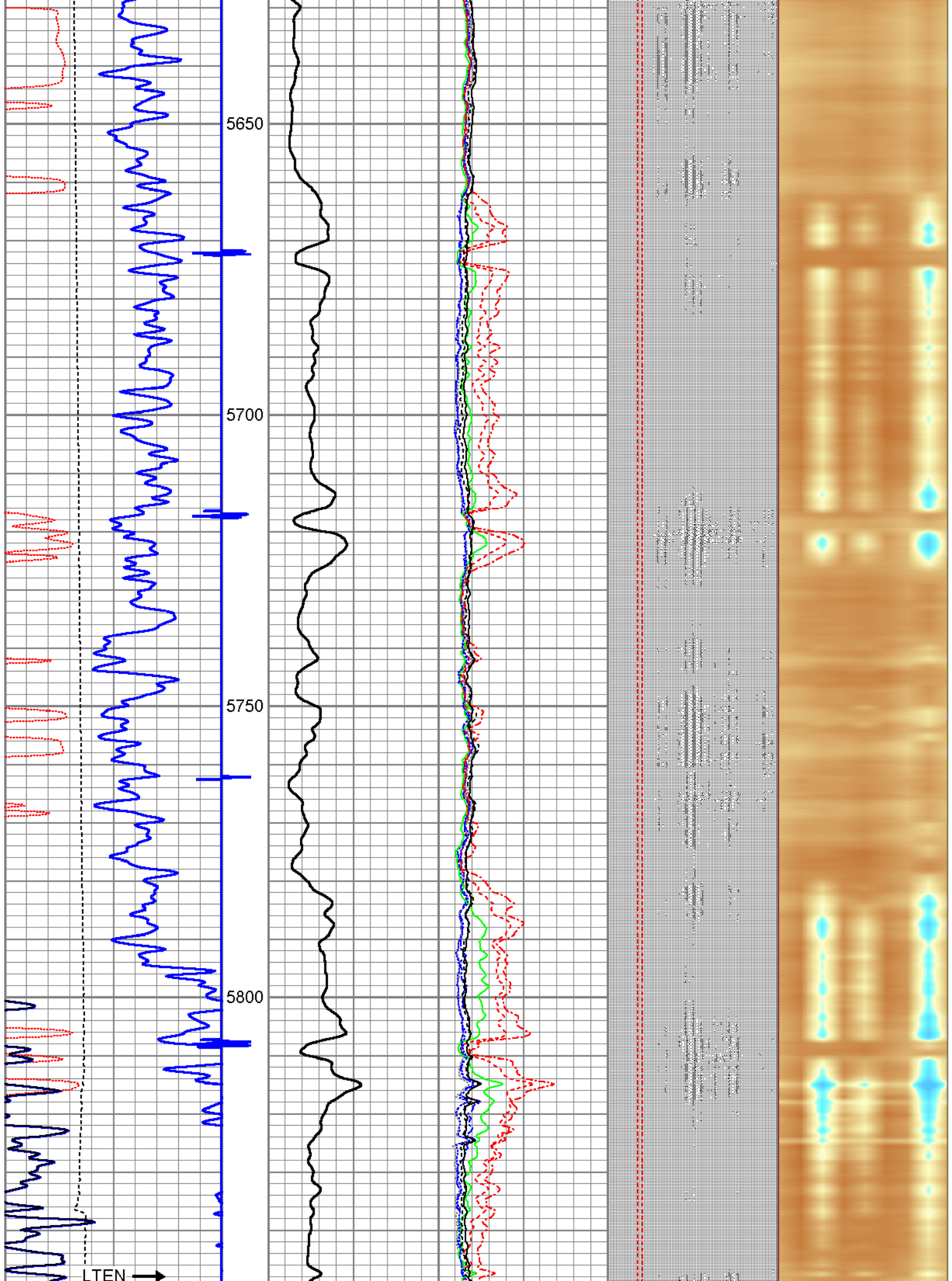


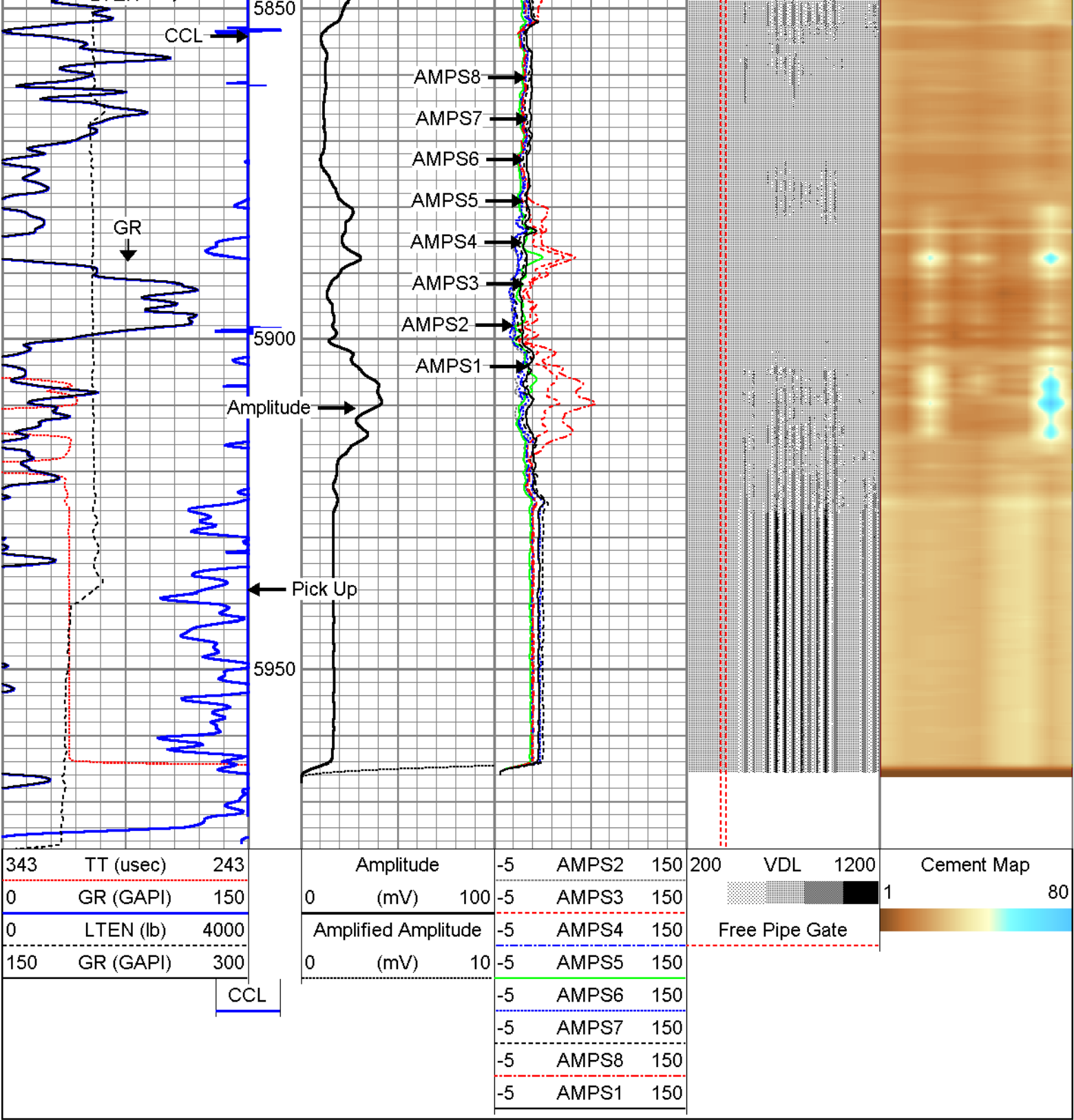




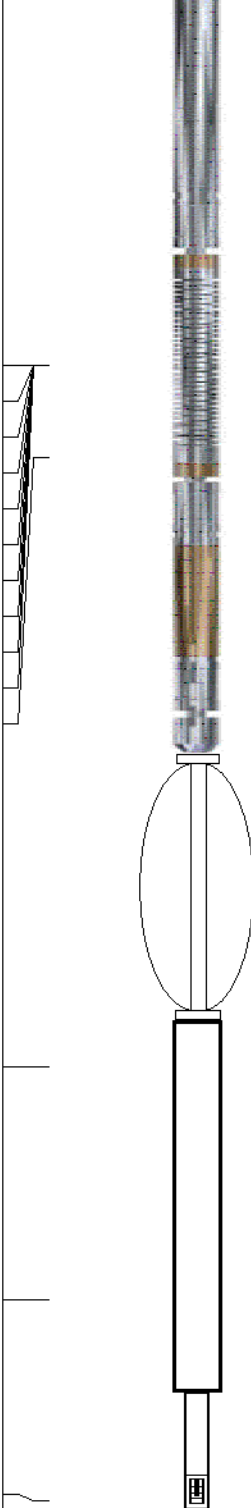








Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			Probe	2.86	2.75	40.00

WVF3FT	12.30		RBT-Probe (060113_45) Probe 2.75" Radii Bond Tool	9.39	2.75	90.00			
WVFCAL	12.30								
WWFS1	12.30								
WWFS2	12.30								
WWFS3	12.30								
WWFS4	12.30								
WWFS5	12.30								
WWFS6	12.30								
WWFS7	12.30								
WWFS8	12.30								
WVF5FT	11.30								
			Probe	2.86	2.75	40.00			
CCL	4.75								
			GR-Probe (060109) Probe 2.75" 4 Channel Pulse	4.00	2.75	30.00			
GR	2.25								
			TEMP-1.375TEMP (060110) Temperature Tool	1.25	1.38	30.00			
TEMP	0.08								
Dataset: horsetail 07e-1804.db: field/well/run1/pass19 Total Length: 20.36 ft Total Weight: 230.00 lb O.D. 2.75 in									



Company	Whiting Oil & Gas
Well	Horsetail 07E-1804
Field	Wildcat
County	Weld
State	Colorado