



Radial Cement Bond
Gamma Ray CCL
Log

Company	Petroshare Corp	Company	Petroshare Corp
Well	SHOOK 3-10-6CDH	Well	SHOOK 3-10-6CDH
Field	WATTENBERG	Field	WATTENBERG
County	ADAMS	County	ADAMS
State	COLORADO	State	COLORADO
Location:		API # : 05-001-09981	Other Services
Permanent Datum		G.L.	Elevation
Log Measured From		K.B.	5098'
Drilling Measured From		K.B.	Elevation
			K.B. 5111'
			D.F. N/A
			G.L. 5098'
Date	MARCH 5, 2018		
Run Number	ONE		
Depth Driller	14126'		
Depth Logger	8212'		
Bottom Logged Interval	8200'		
Top Log Interval	52'		
Open Hole Size	N/A		
Type Fluid	H2O		
Density / Viscosity	8.4		
Max. Recorded Temp.	N/A		
Estimated Cement Top	5040		
Time Well Ready	5:40		
Time Logger on Bottom	10:05		
Equipment Number	200121		
Location	GREENEY CO		
Recorded By	MIKE NOWICKI		
Witnessed By	HAROLD POWELL		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
		Size	Weight
		From	To
Casing Record	Size	Wgt/Ft	Top
Surface String	9-5/8"	36 PPF	SURFACE
Prot. String	5-1/2	20 PPF	SURFACE
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


Depth correlated to marker joint
Marker joint at 7182" - 7204'

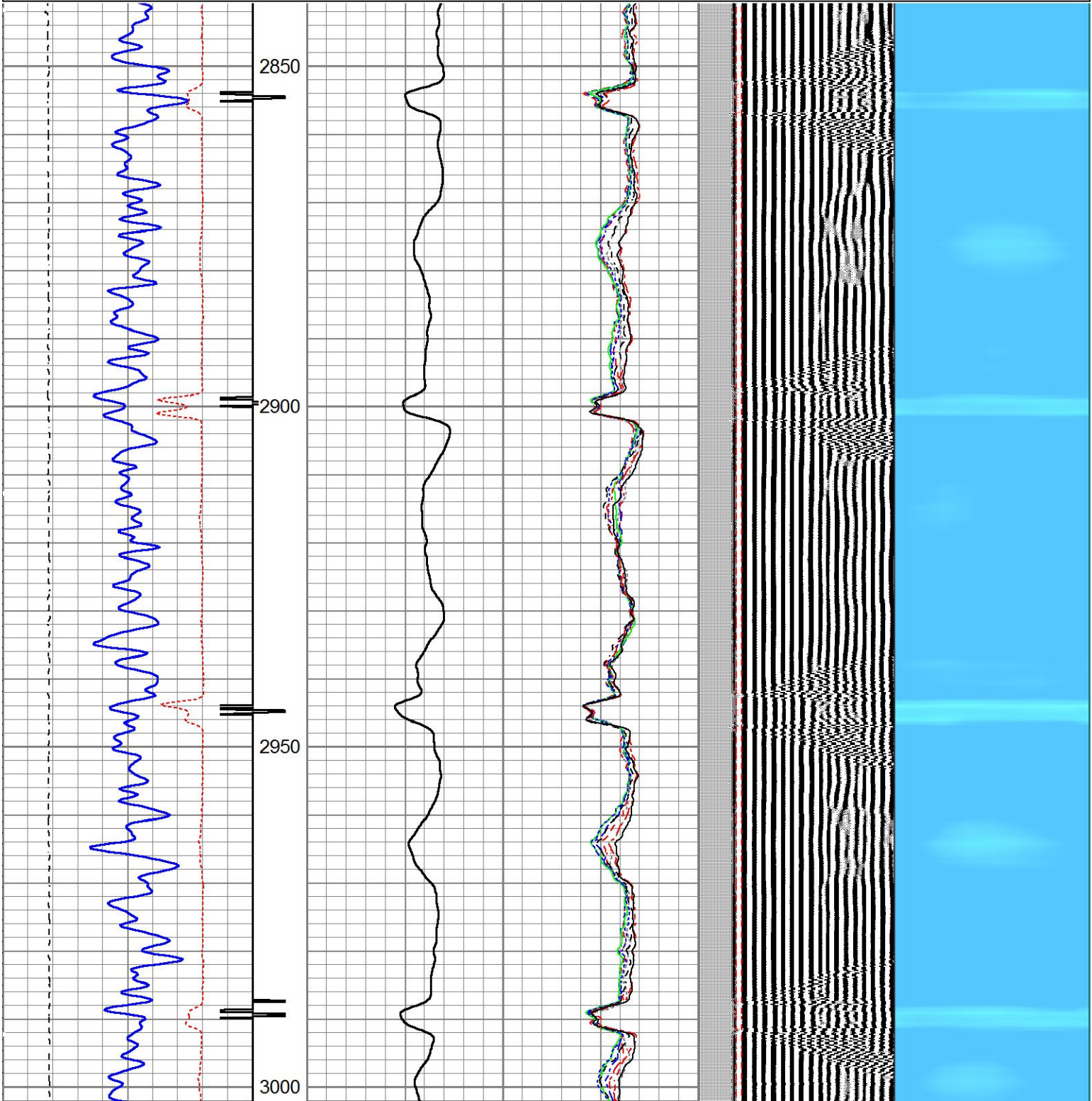
THANK YOU FOR USING C&J CASEDHOLE SOLUTIONS

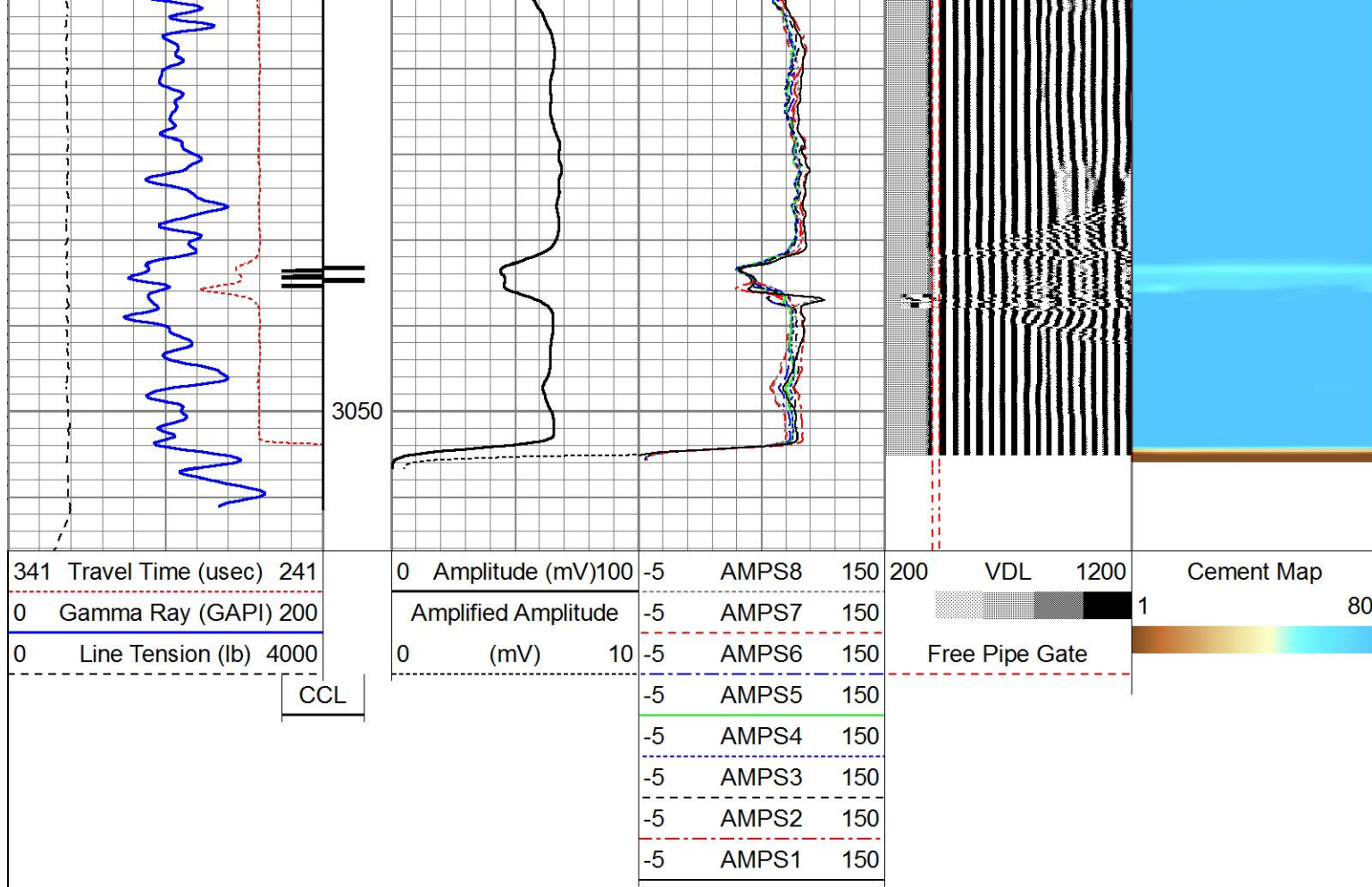
M. NOWICKI, B. SISSON, S. BARNETT



Free Pipe Pass (0) PSI

341	Travel Time (usec)	241	0	Amplitude (mV)	100	-5	AMPS8	150	200	VDL	1200	Cement Map
0	Gamma Ray (GAPI)	200		Amplified Amplitude		-5	AMPS7	150			1	80
0	Line Tension (lb)	4000	0	(mV)	10	-5	AMPS6	150	Free Pipe Gate			
						-5	AMPS5	150				
						-5	AMPS4	150				
						-5	AMPS3	150				
						-5	AMPS2	150				
						-5	AMPS1	150				





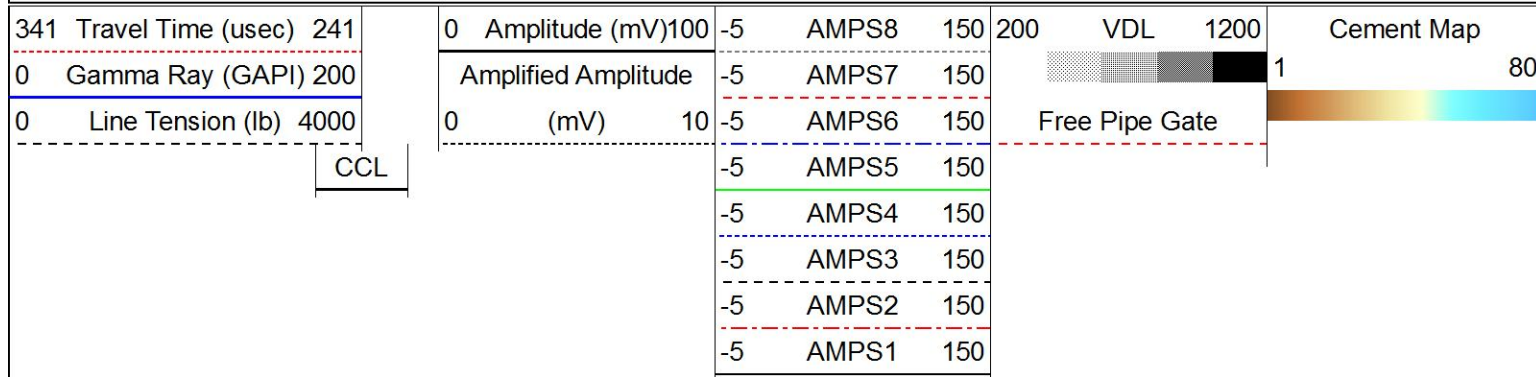
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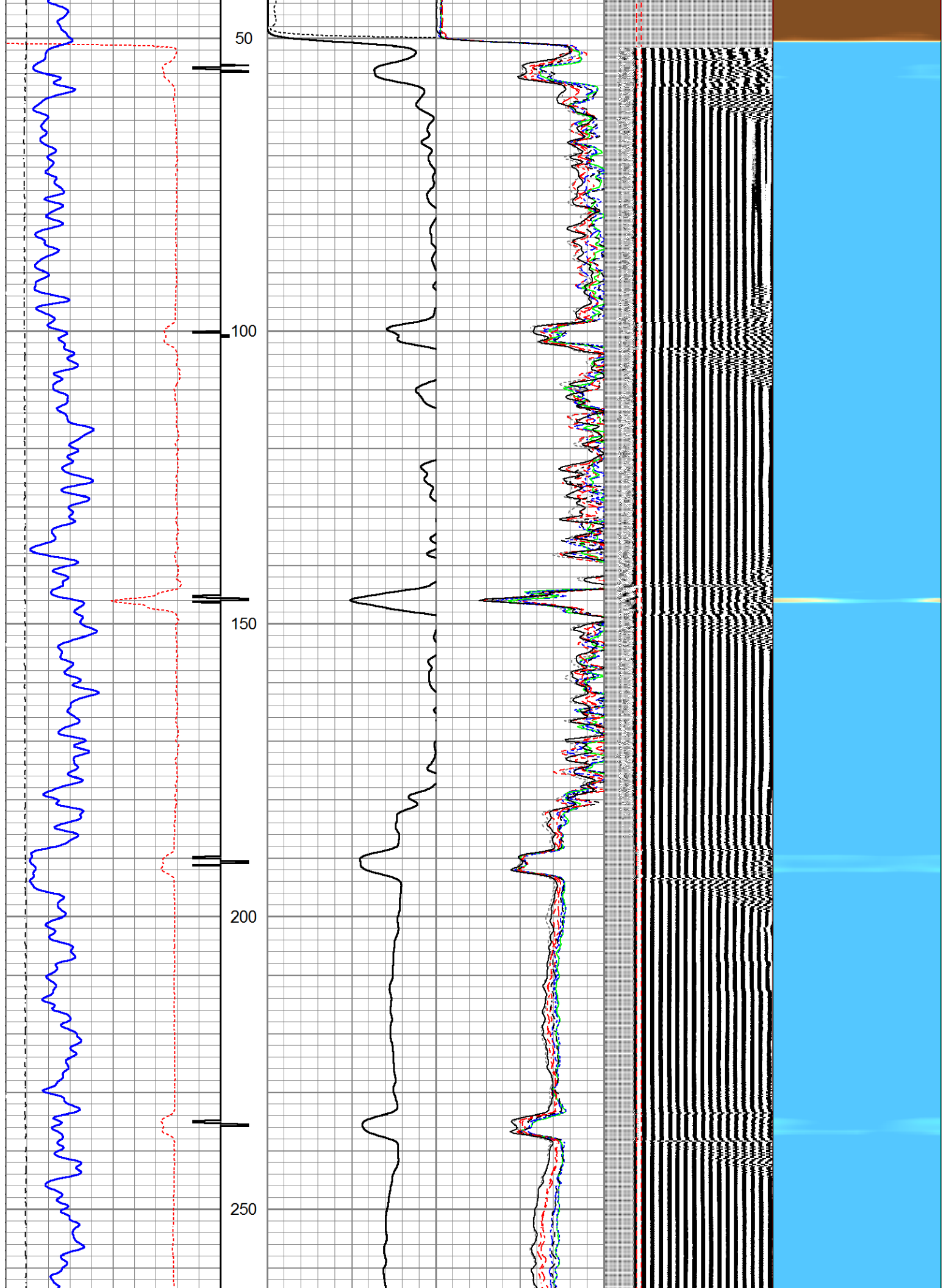
Free Pipe Pass (0) PSI

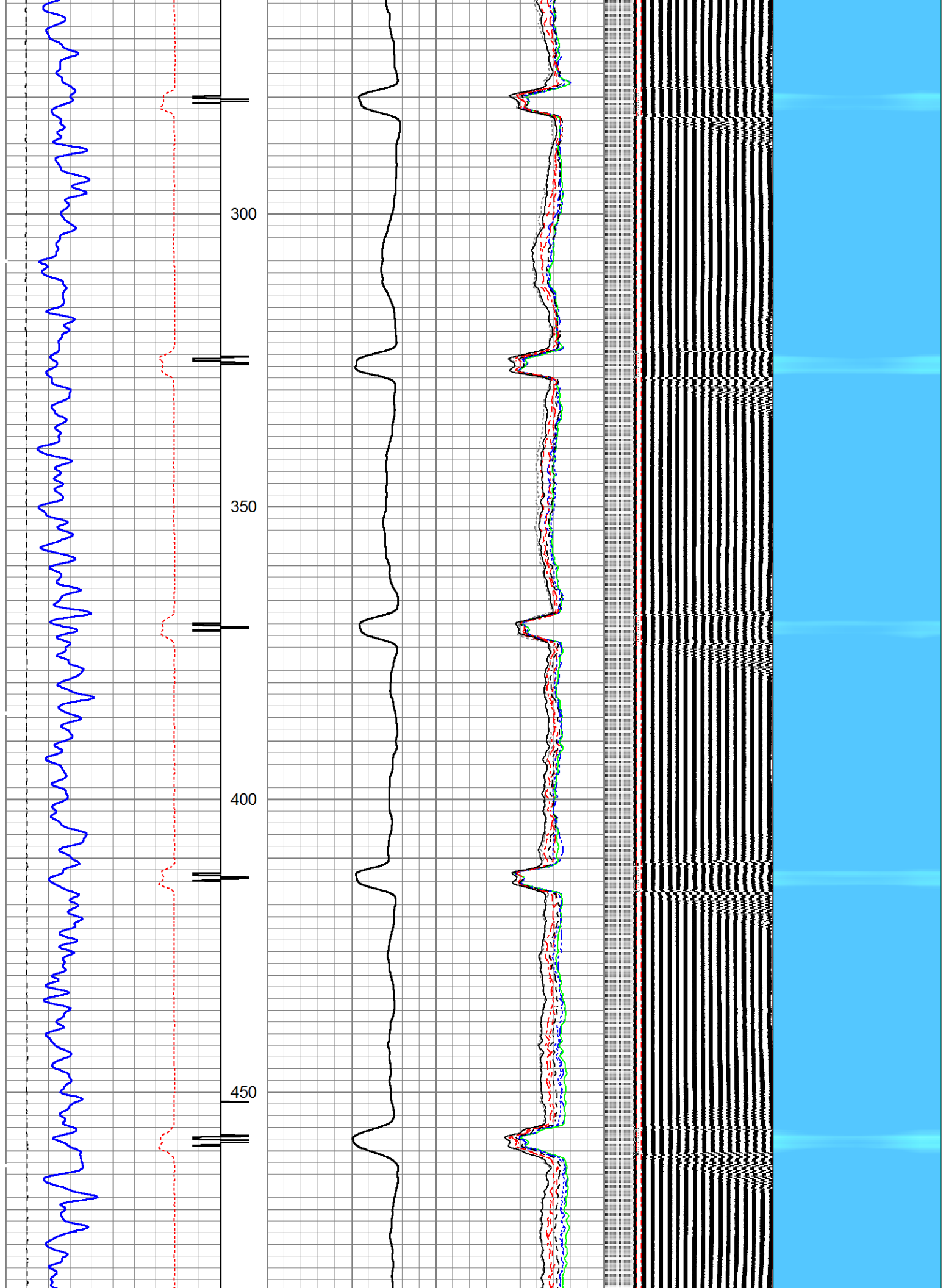
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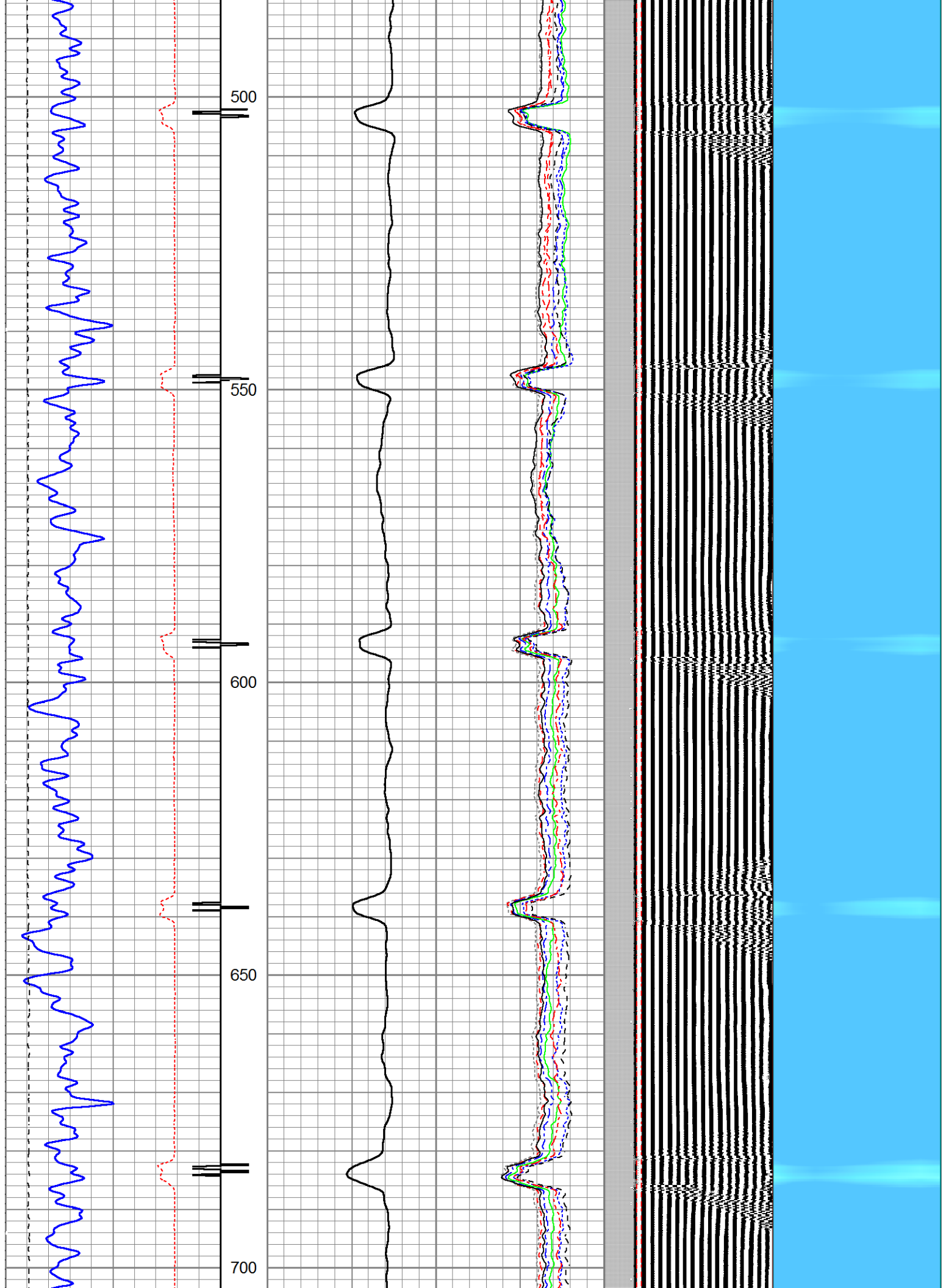
Main Pass (0) PSI

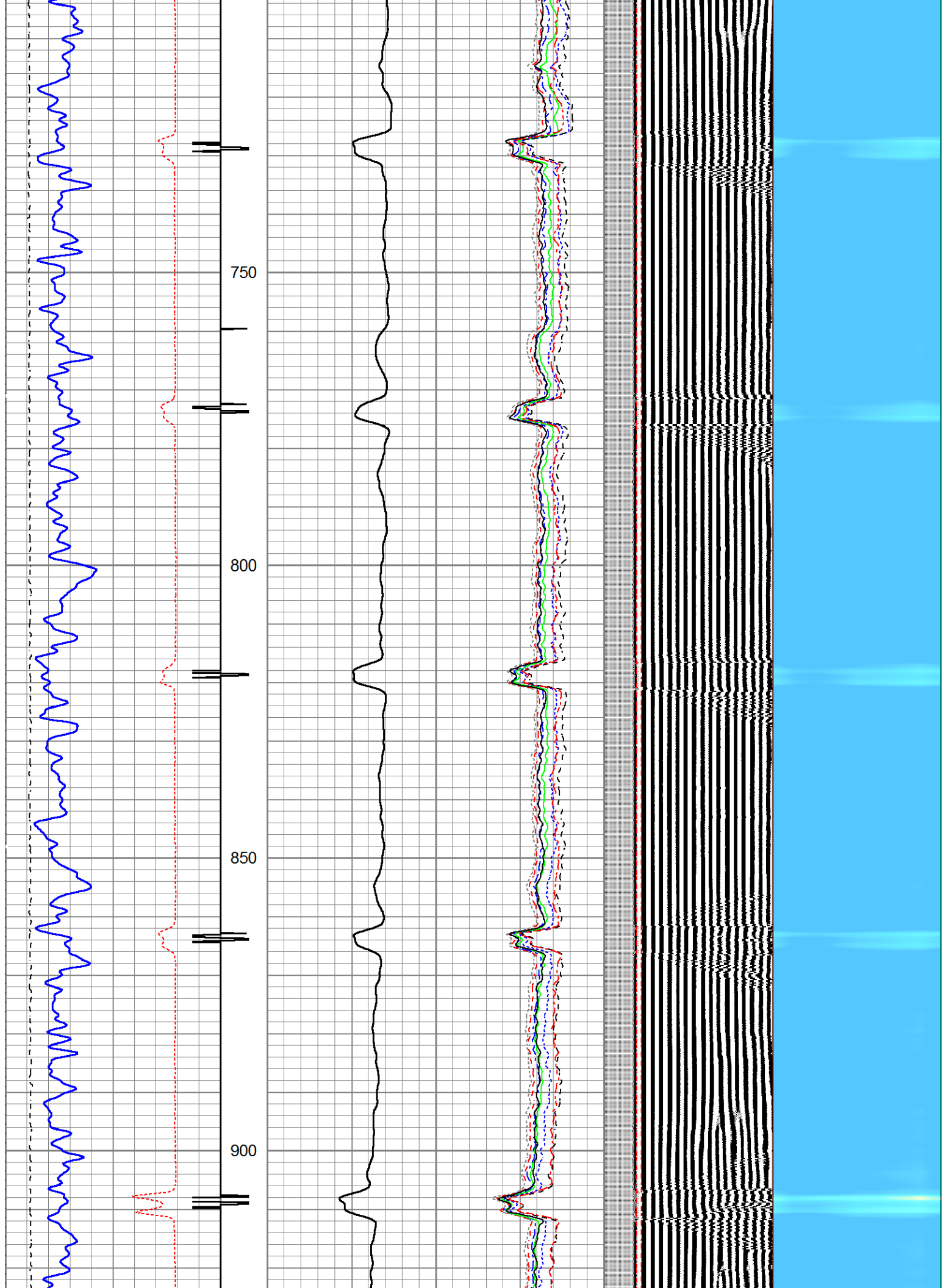
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 Dataset Pathname Shook3-10-6CDH/run1/main1
 Presentation Format scbl5_5
 Dataset Creation Mon Mar 05 08:13:33 2018
 Charted by Depth in Feet scaled 1:240

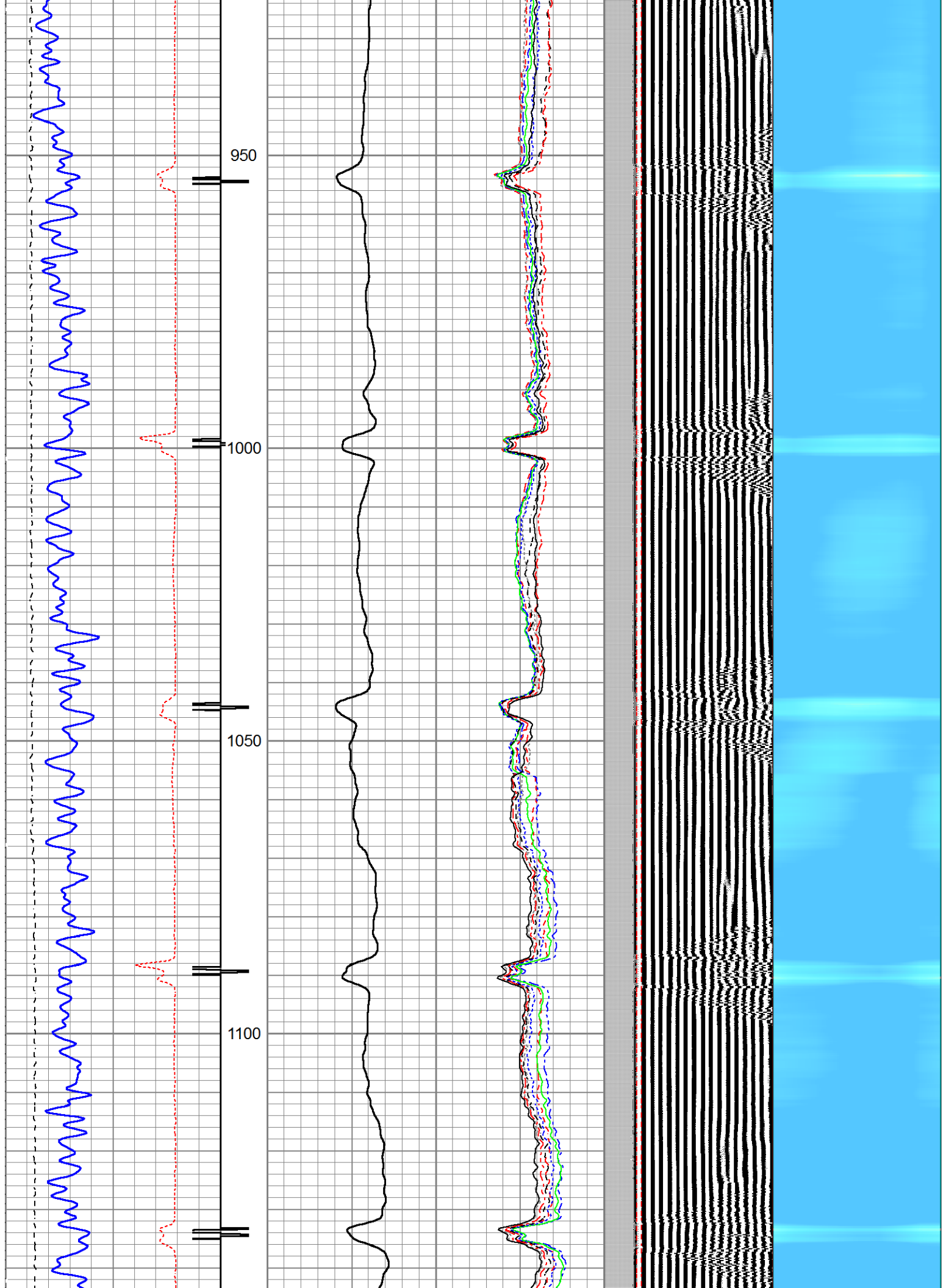


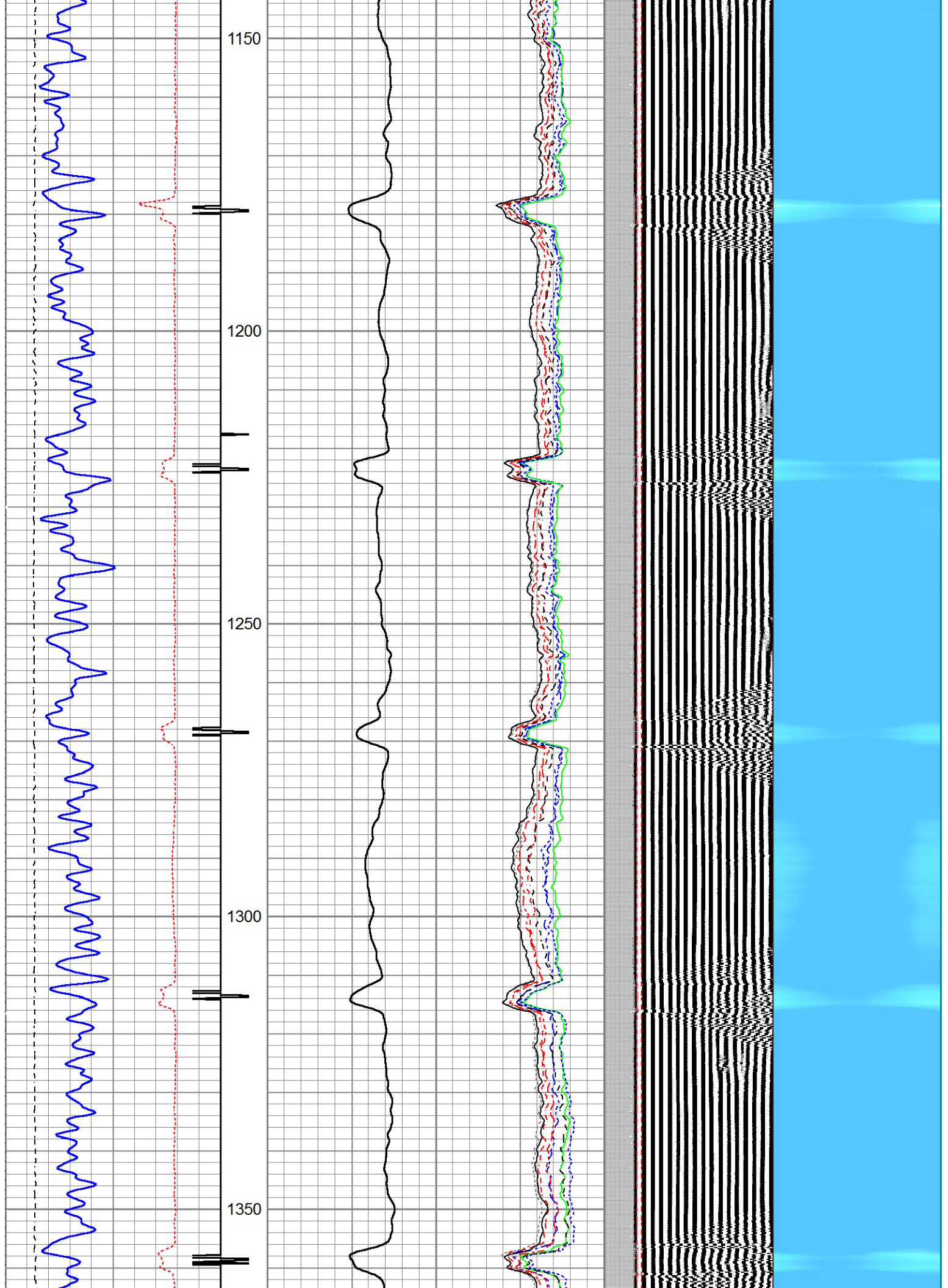


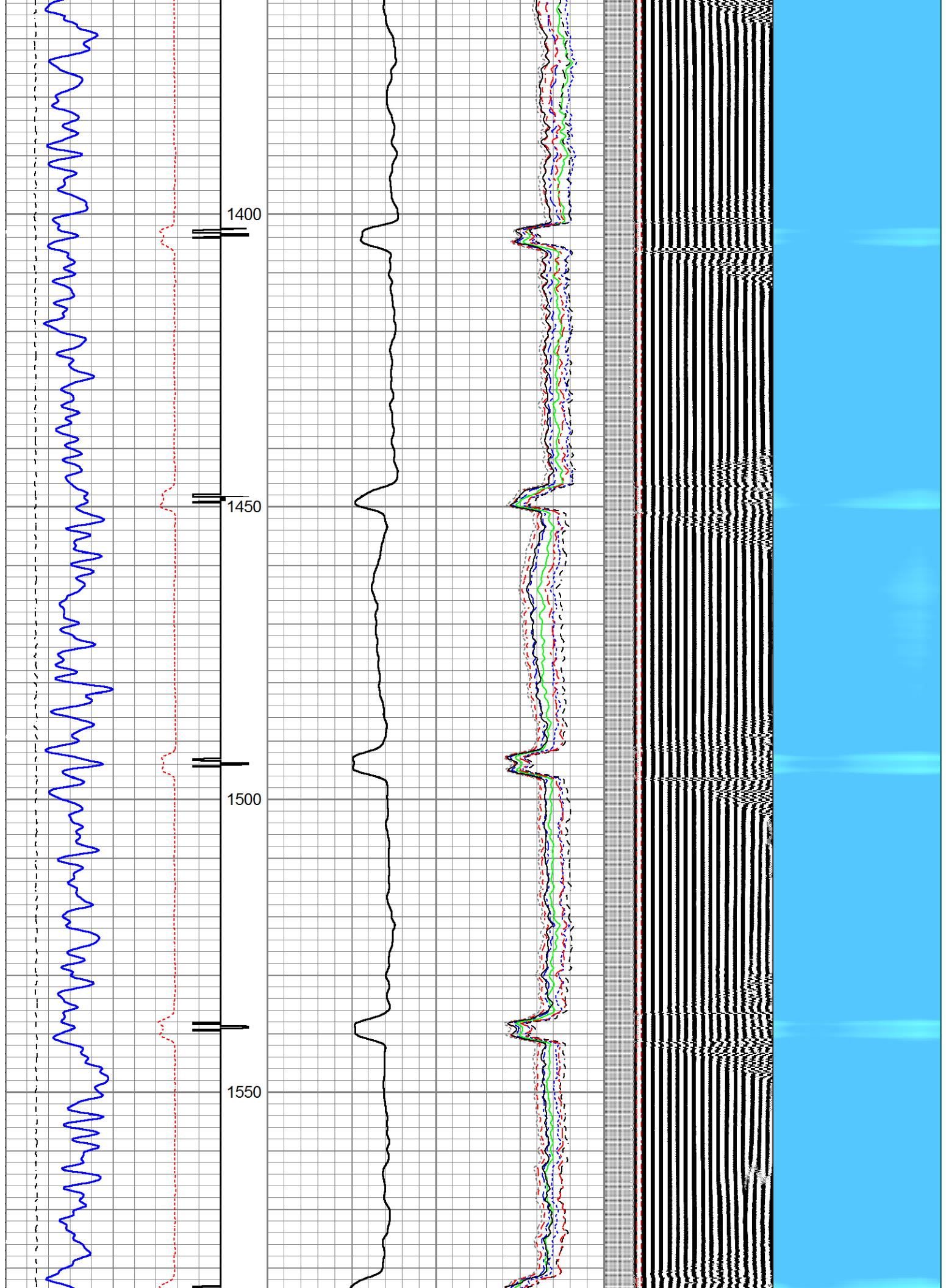


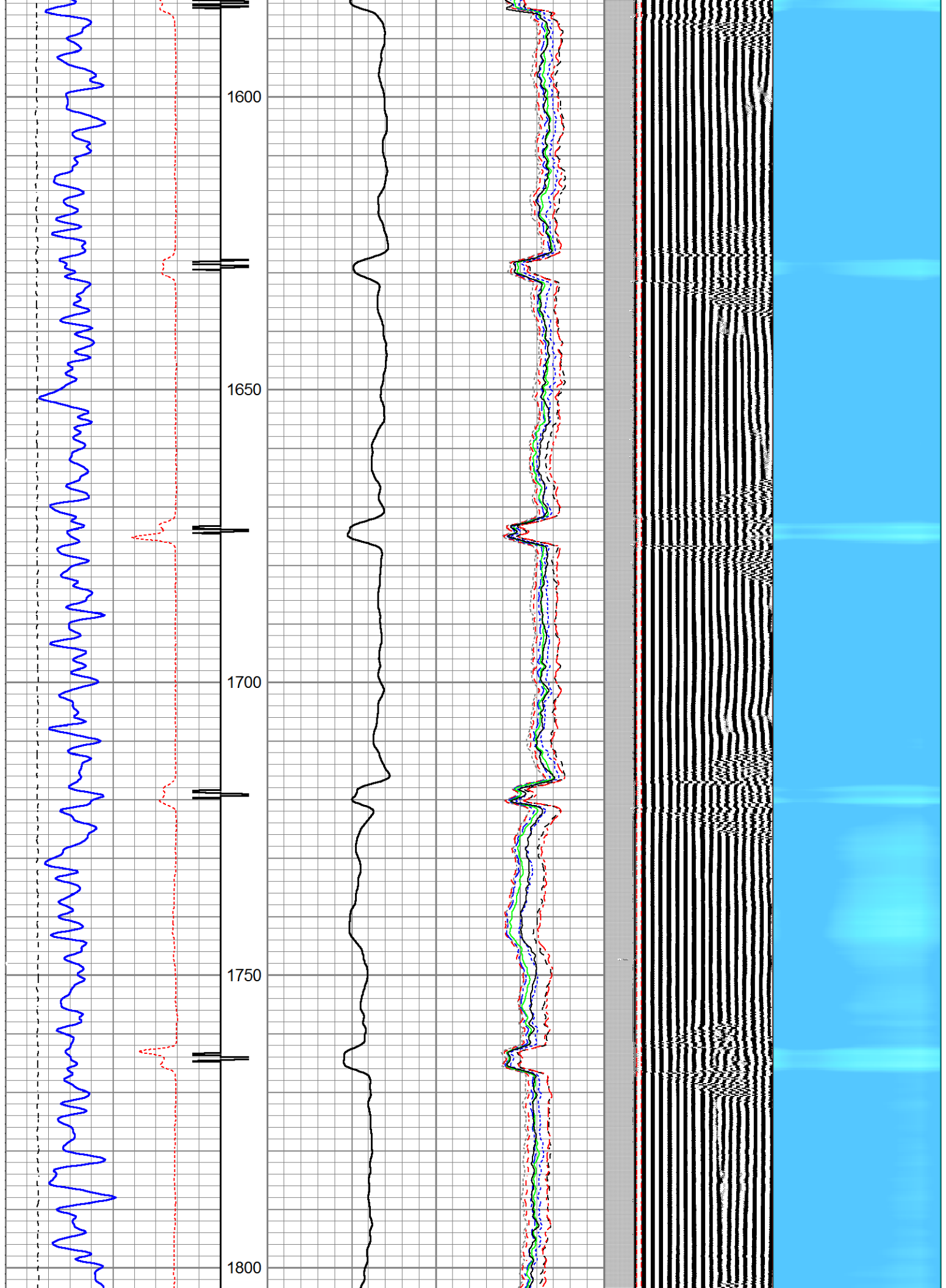


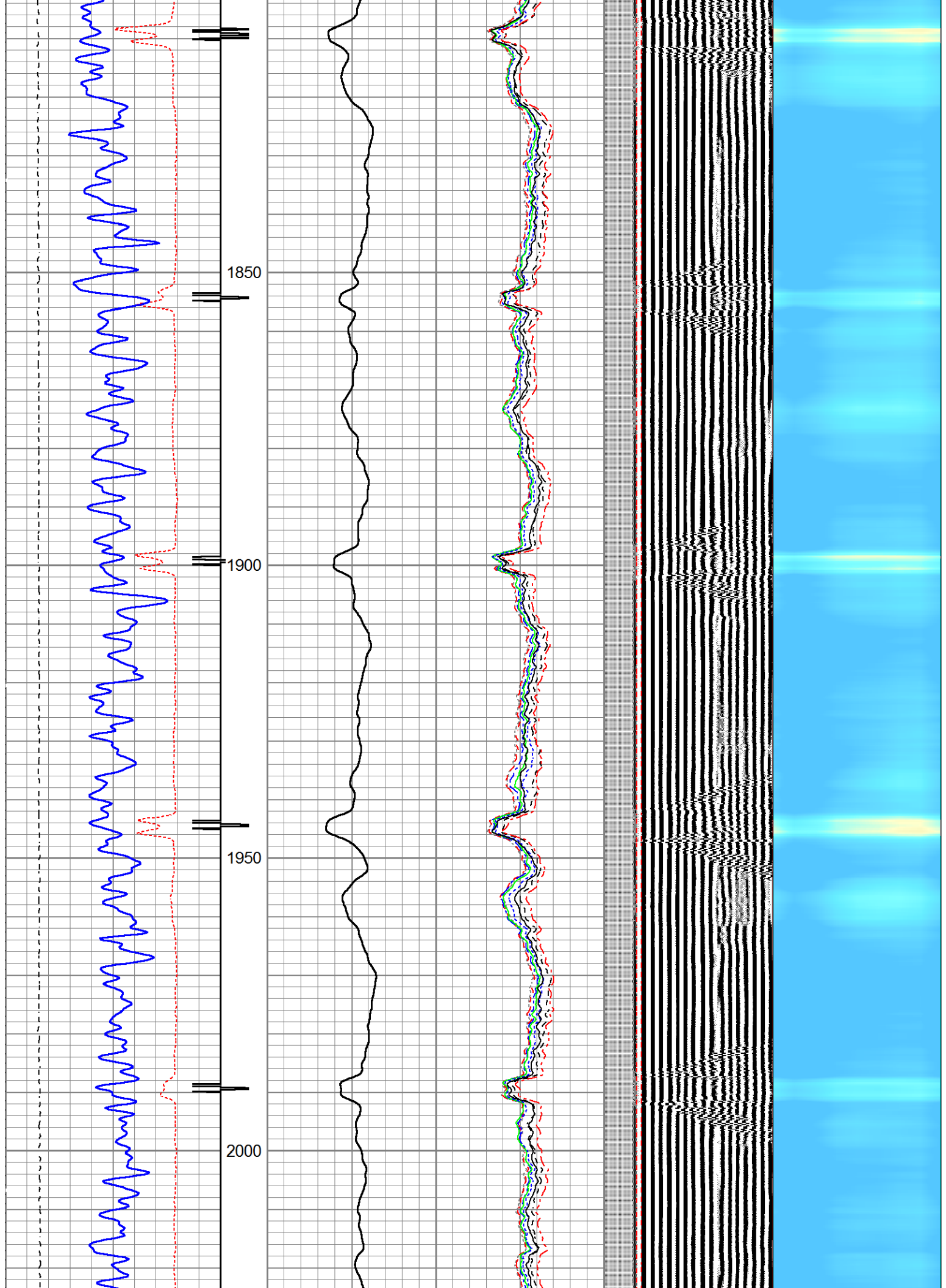


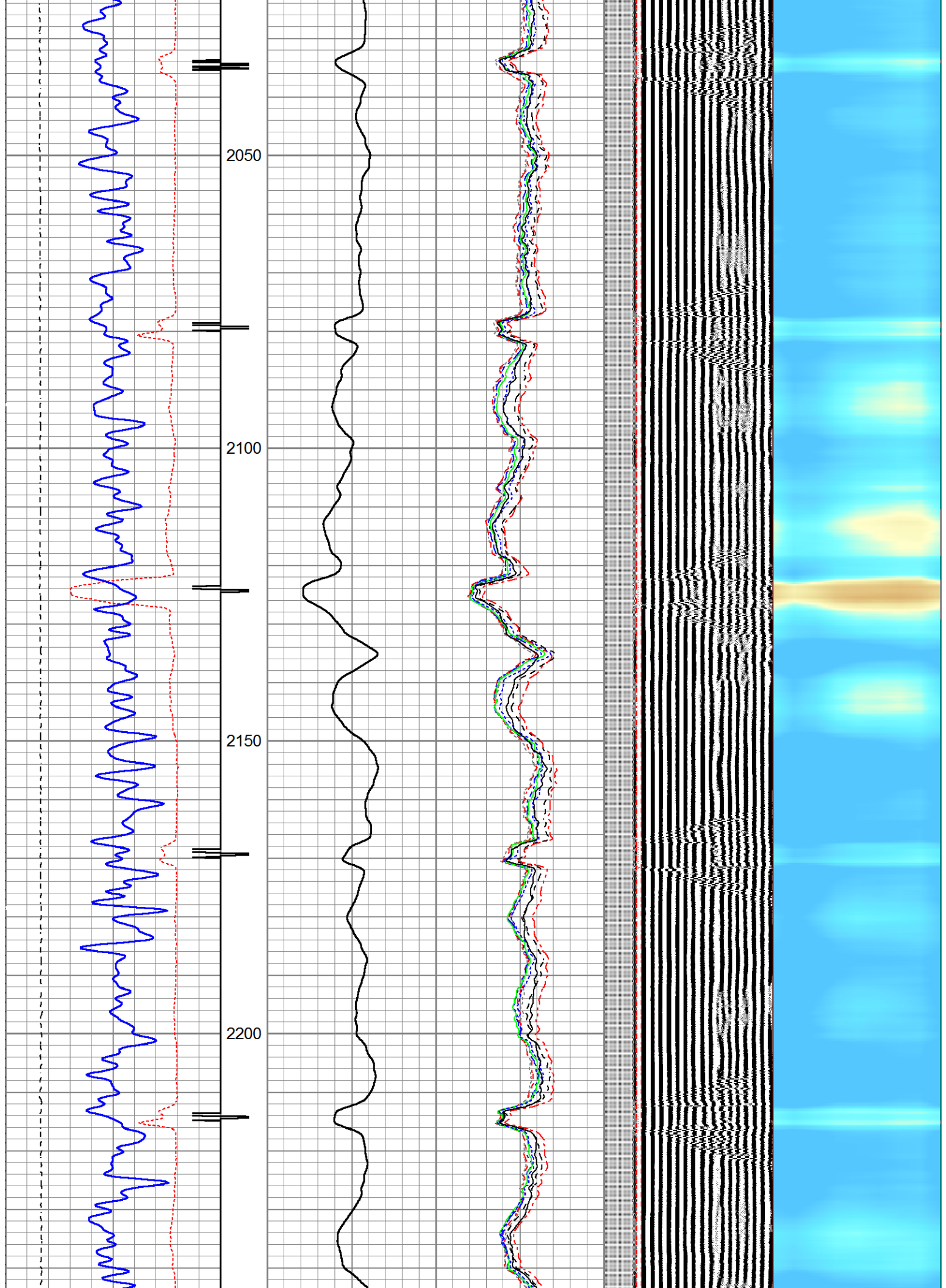


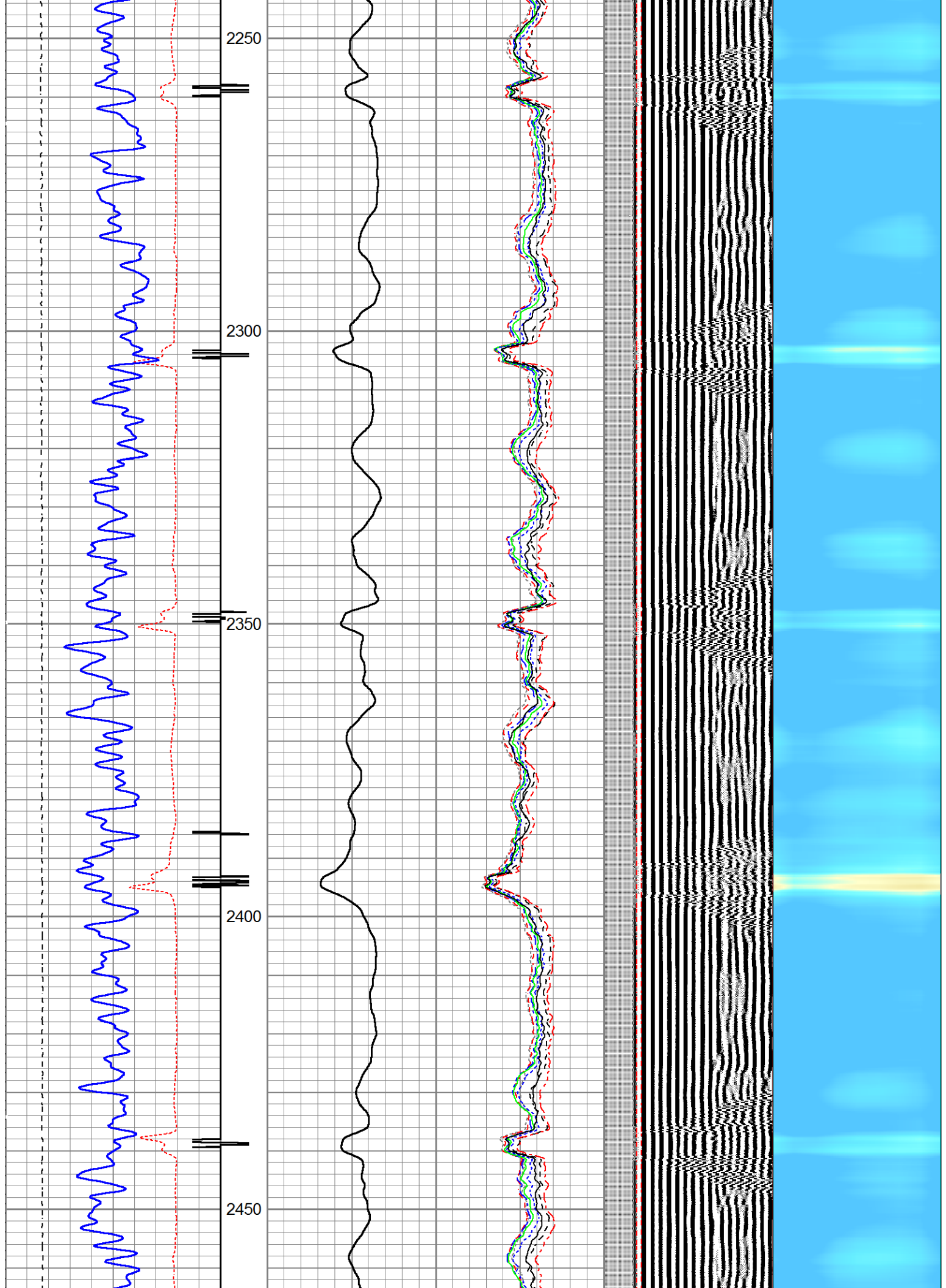


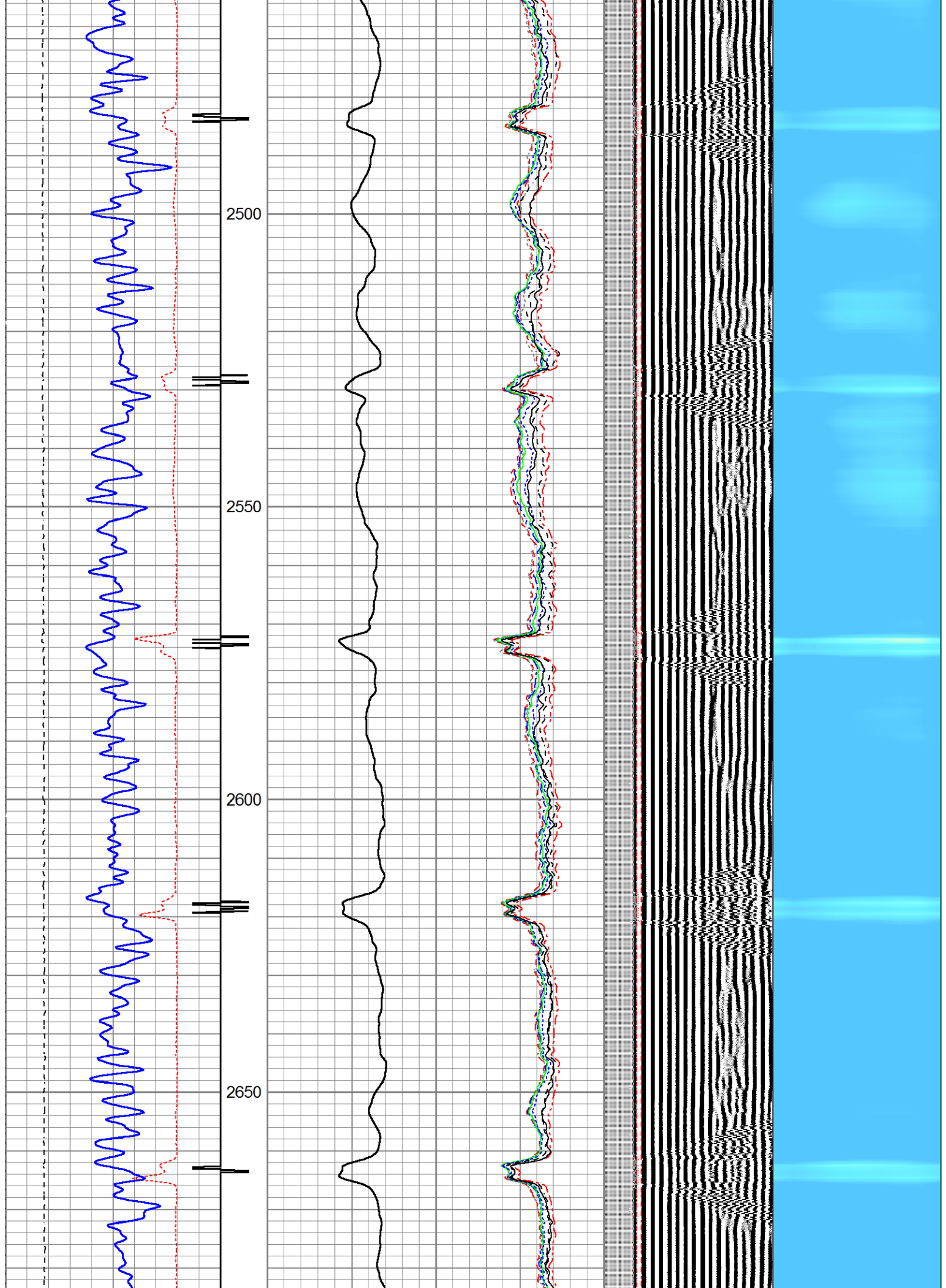


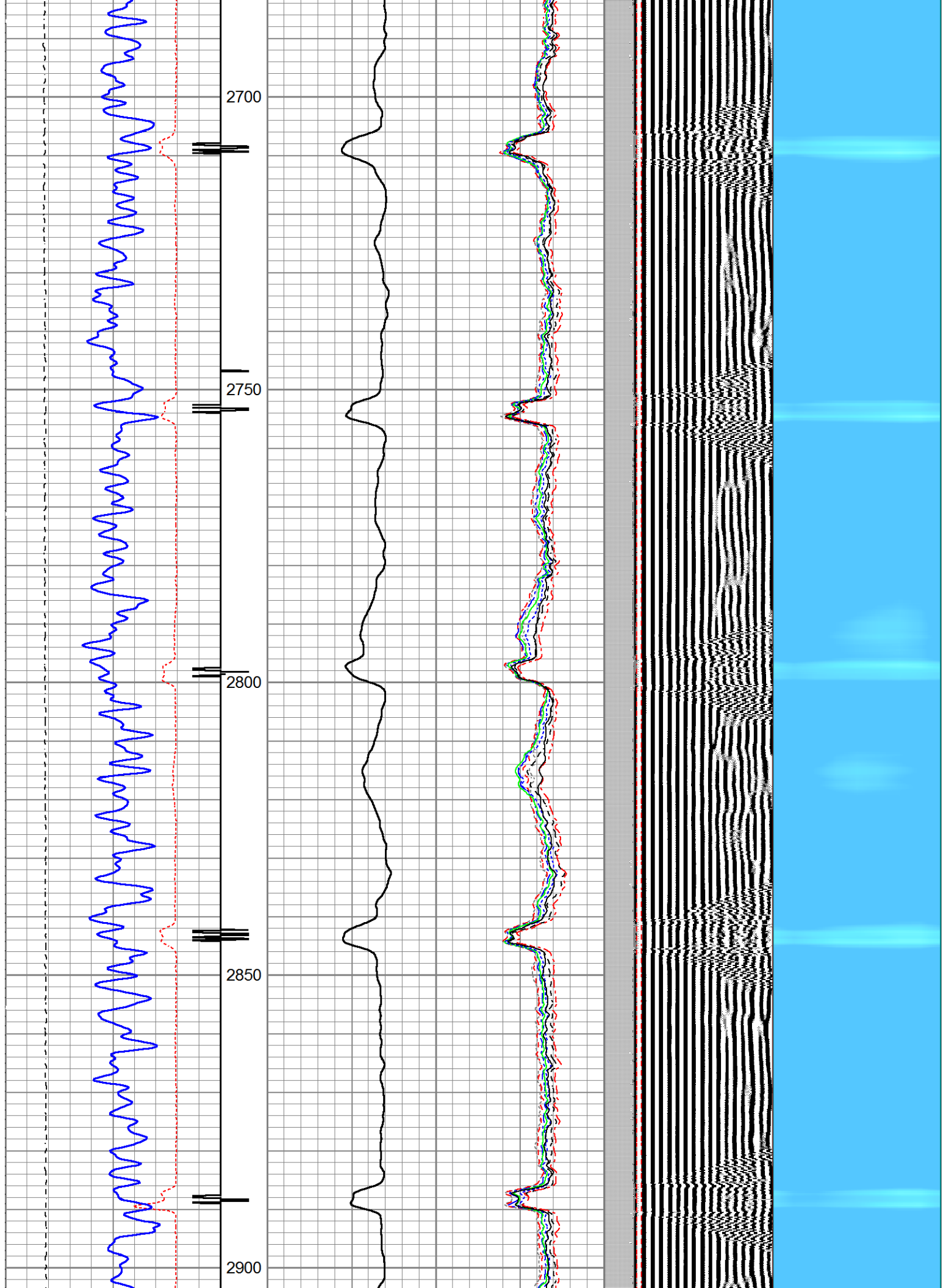


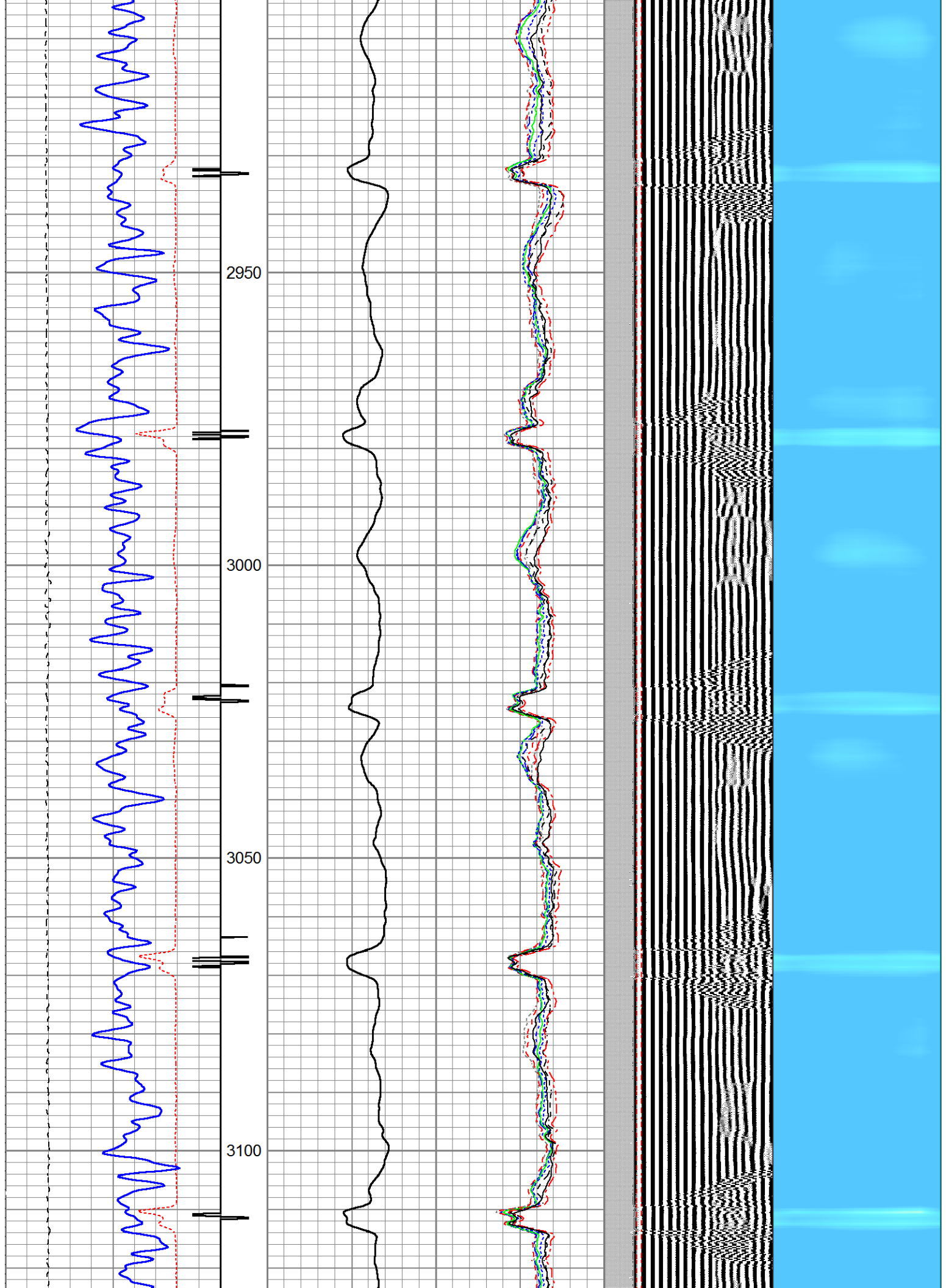


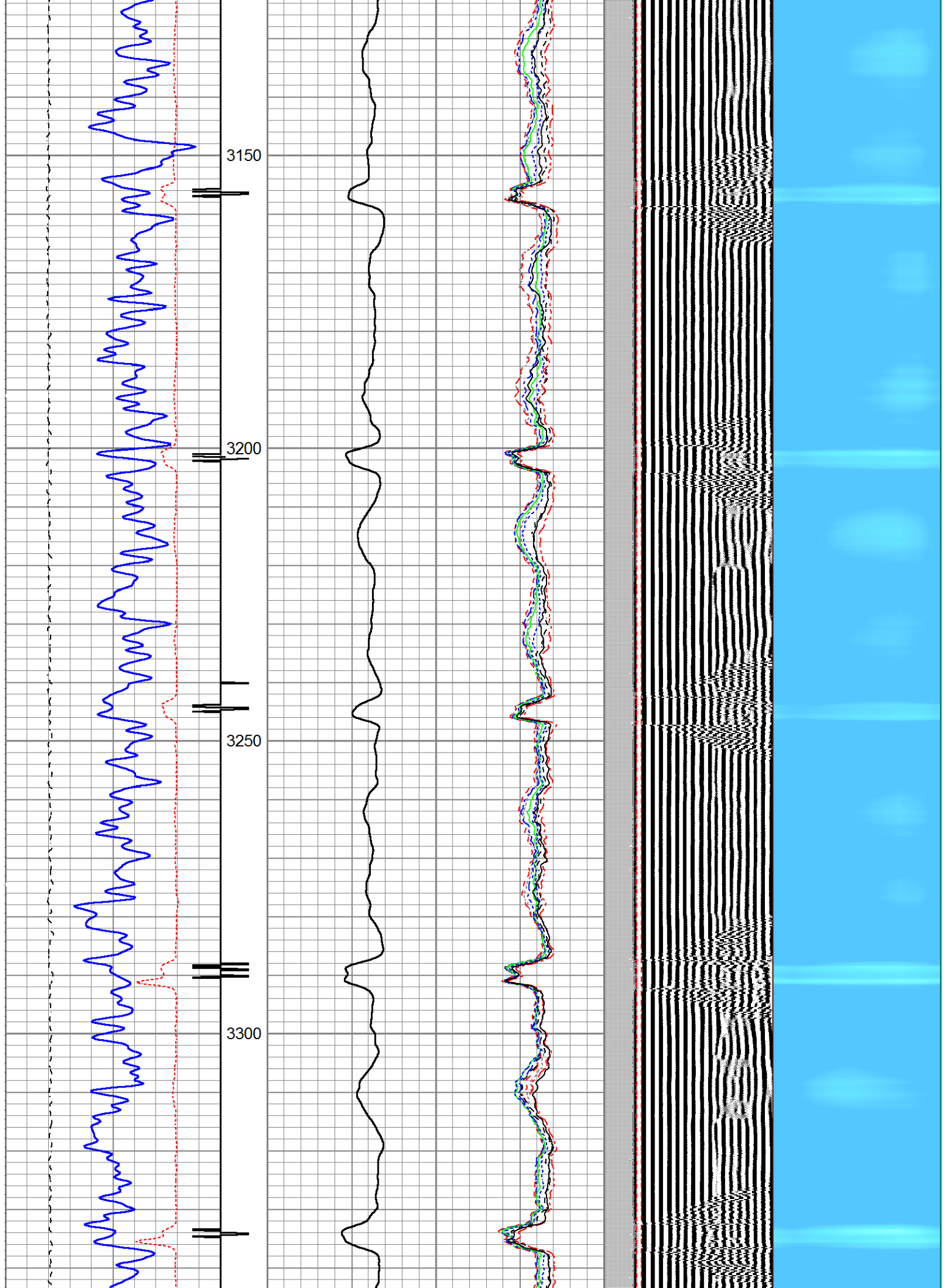


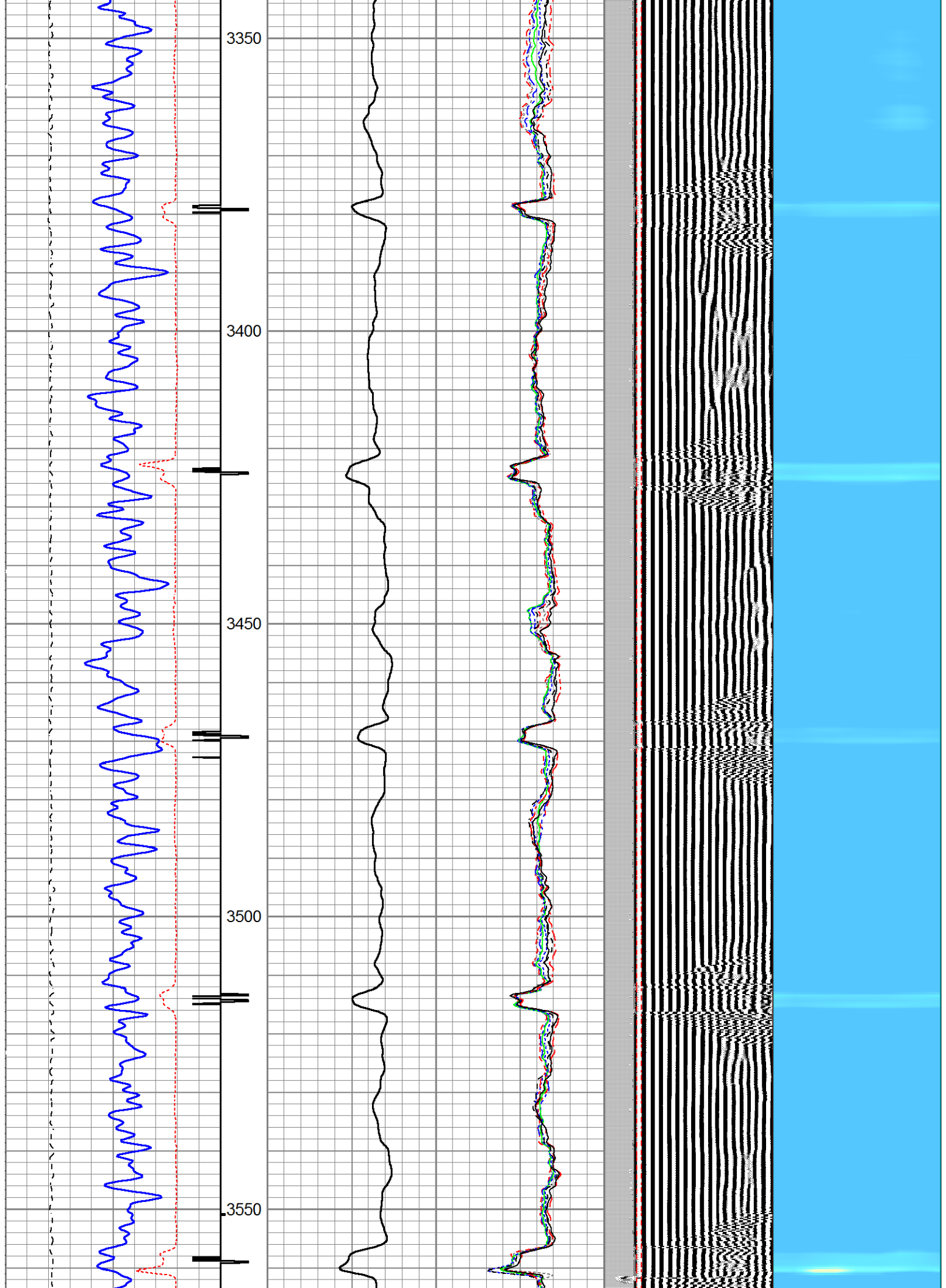


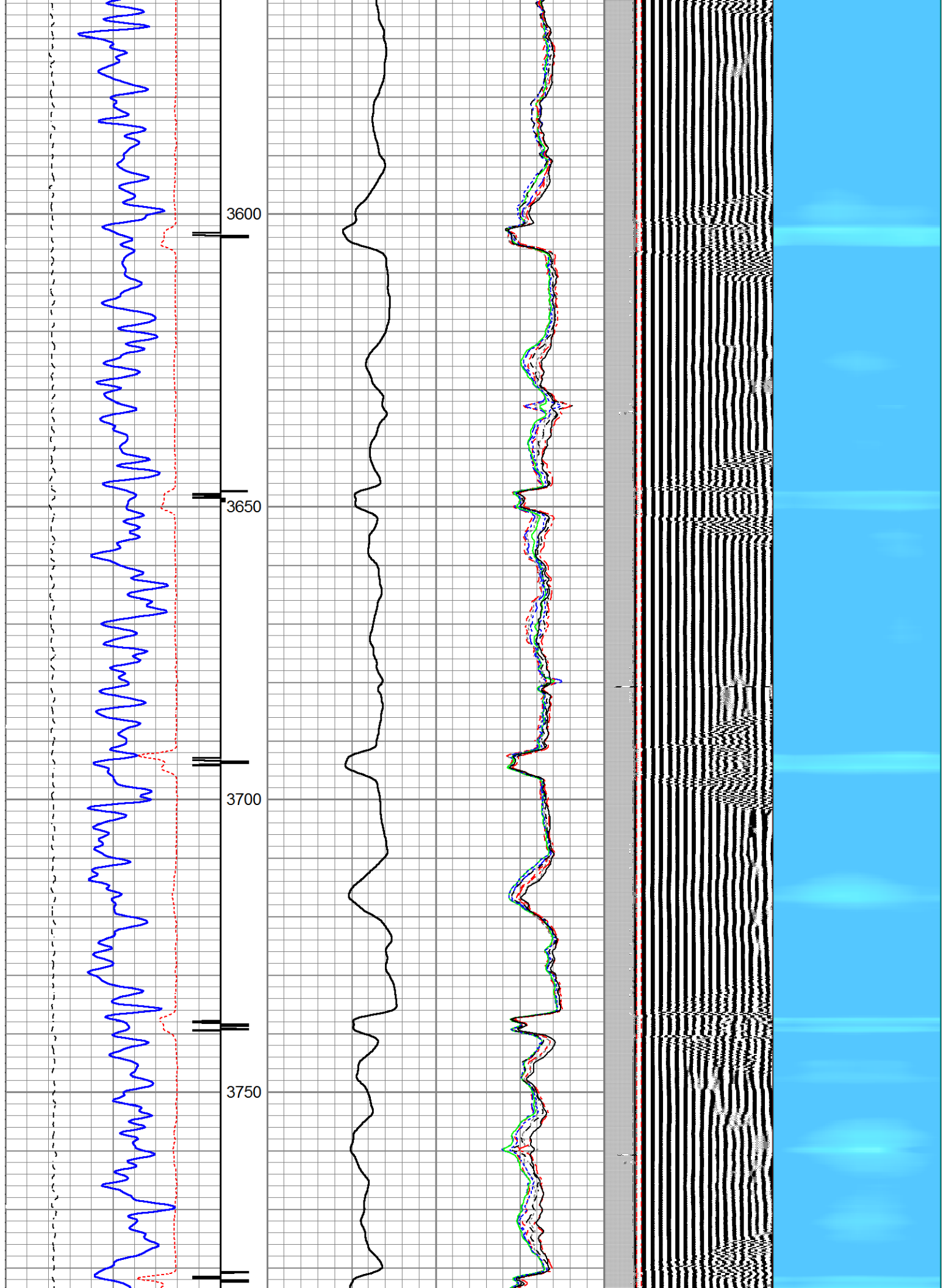


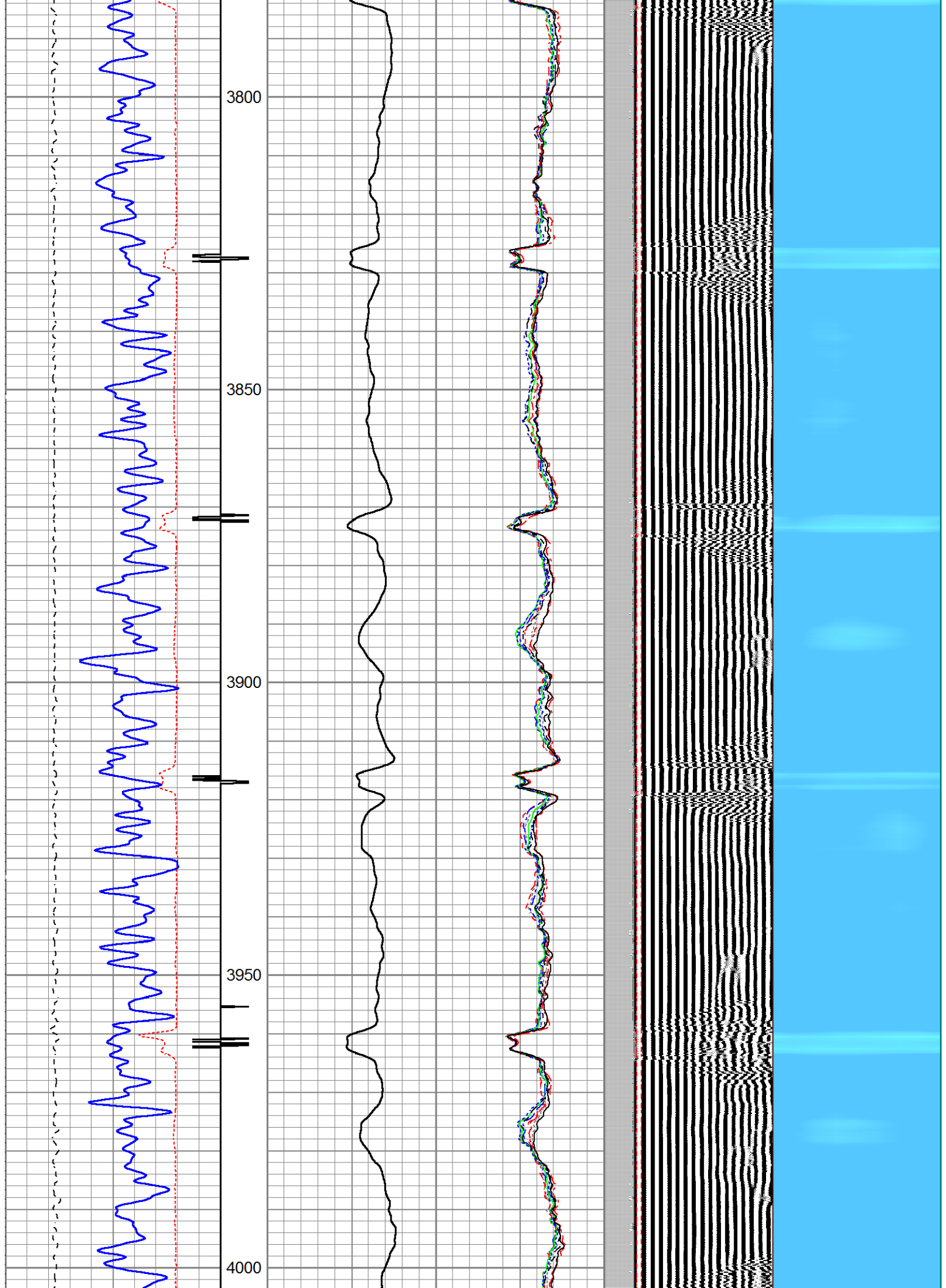


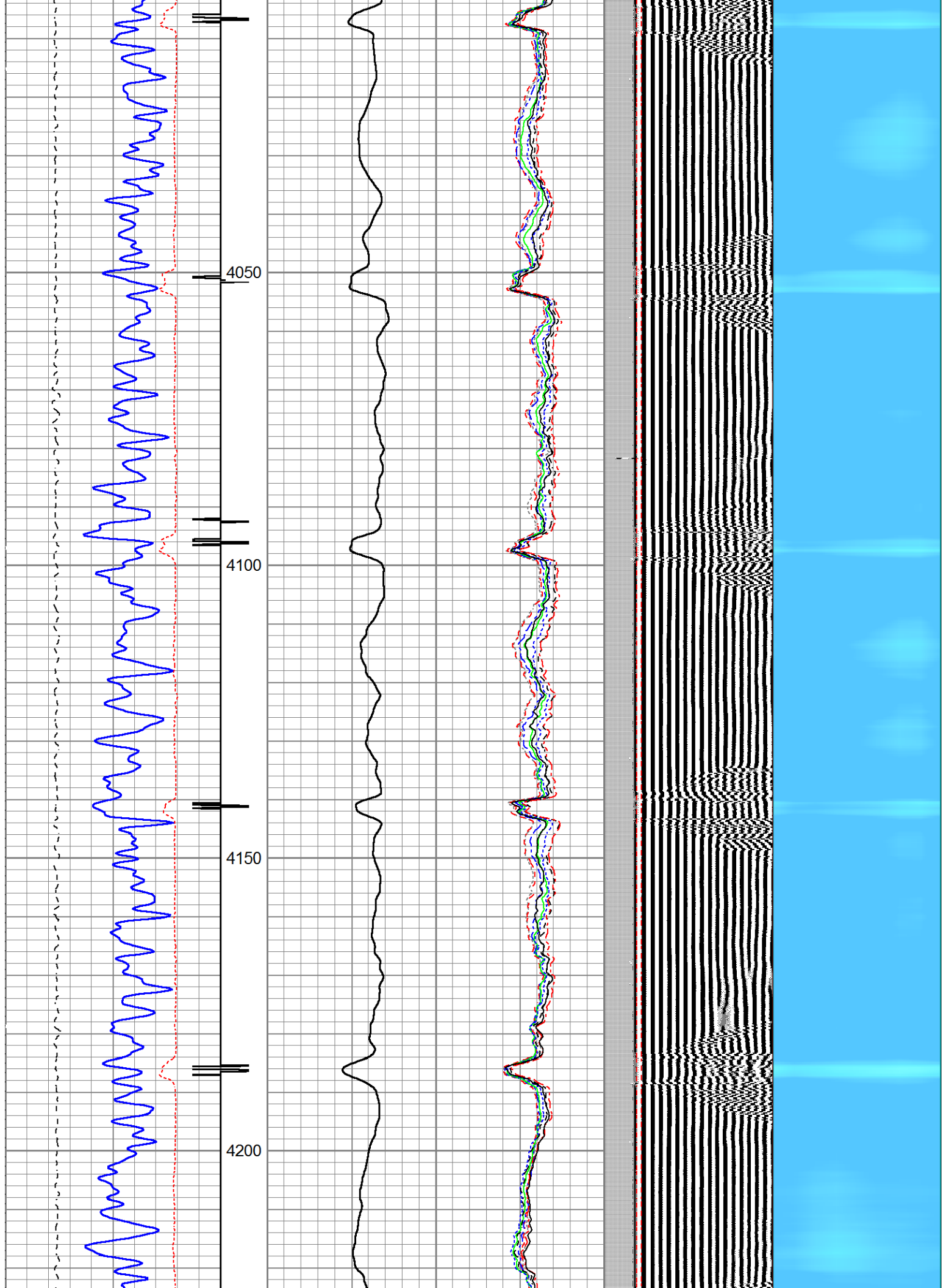


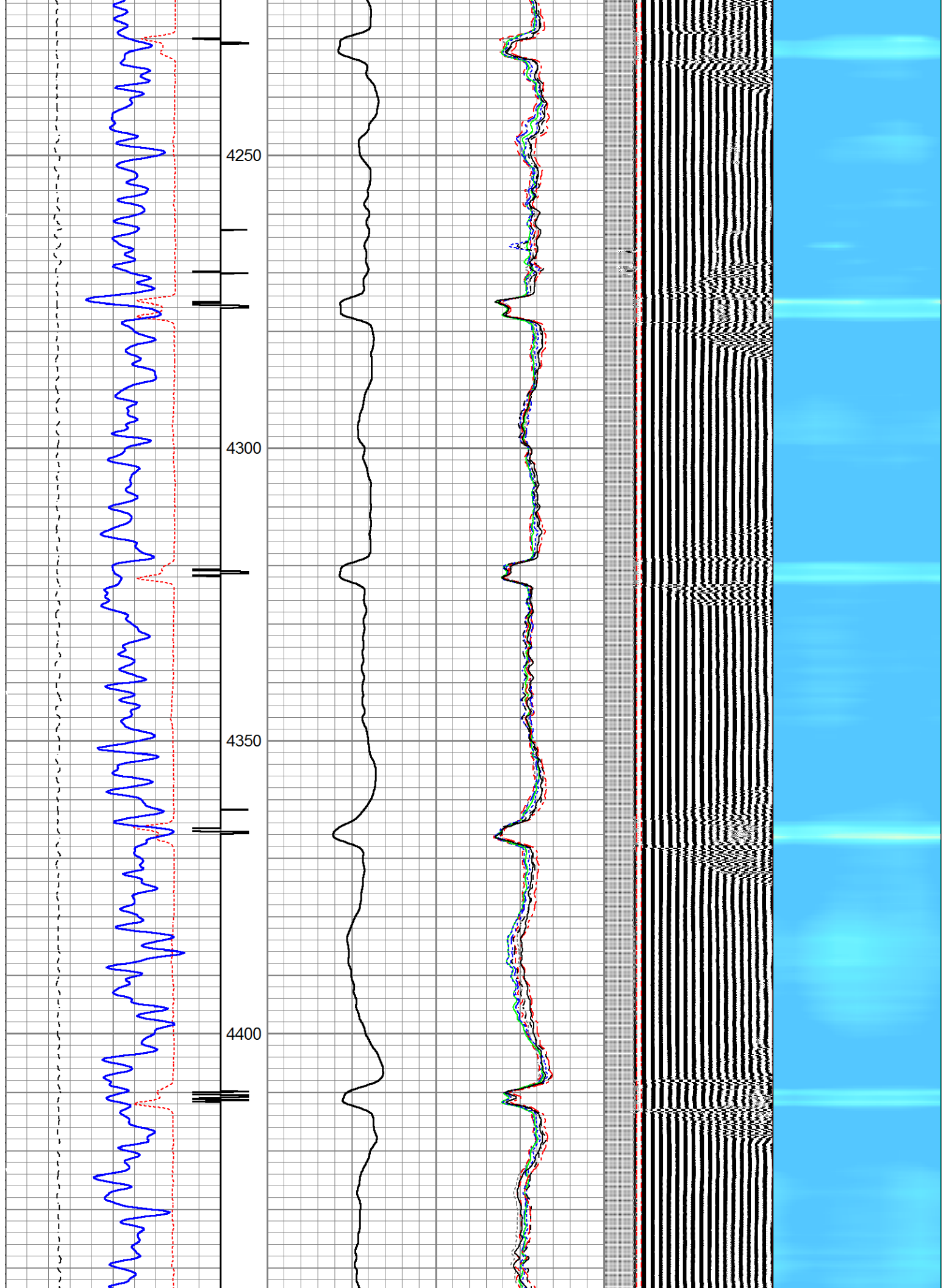


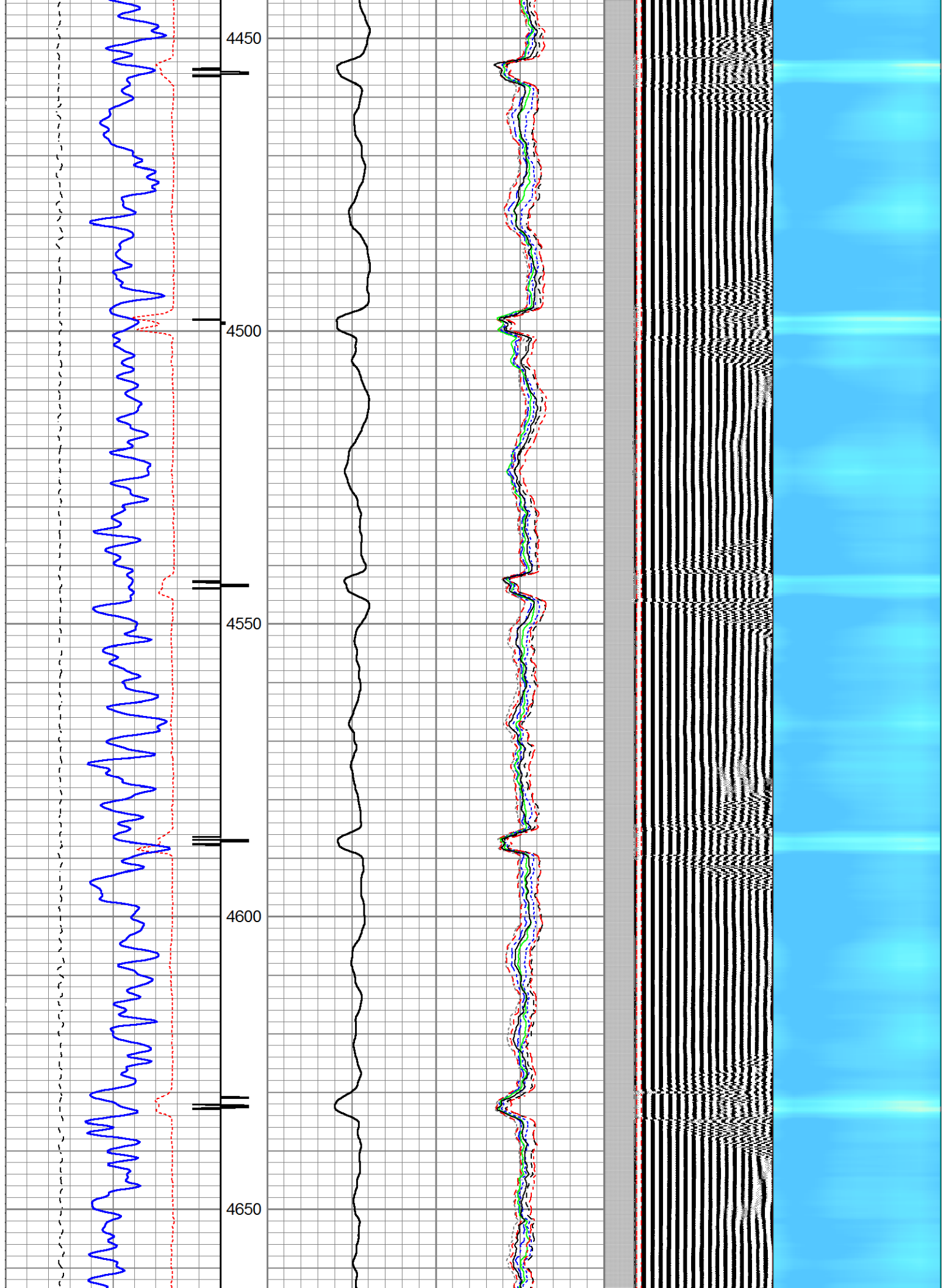


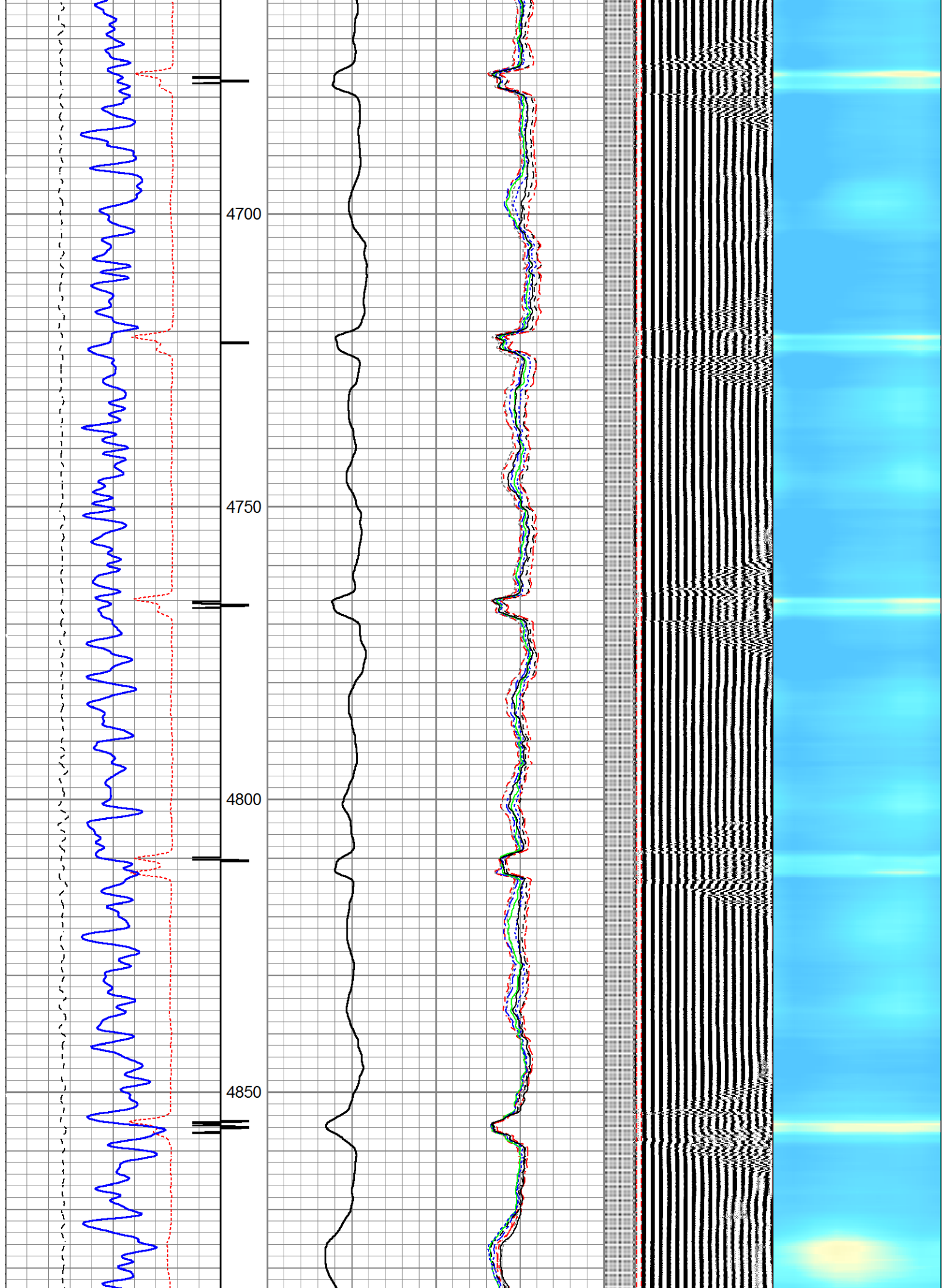


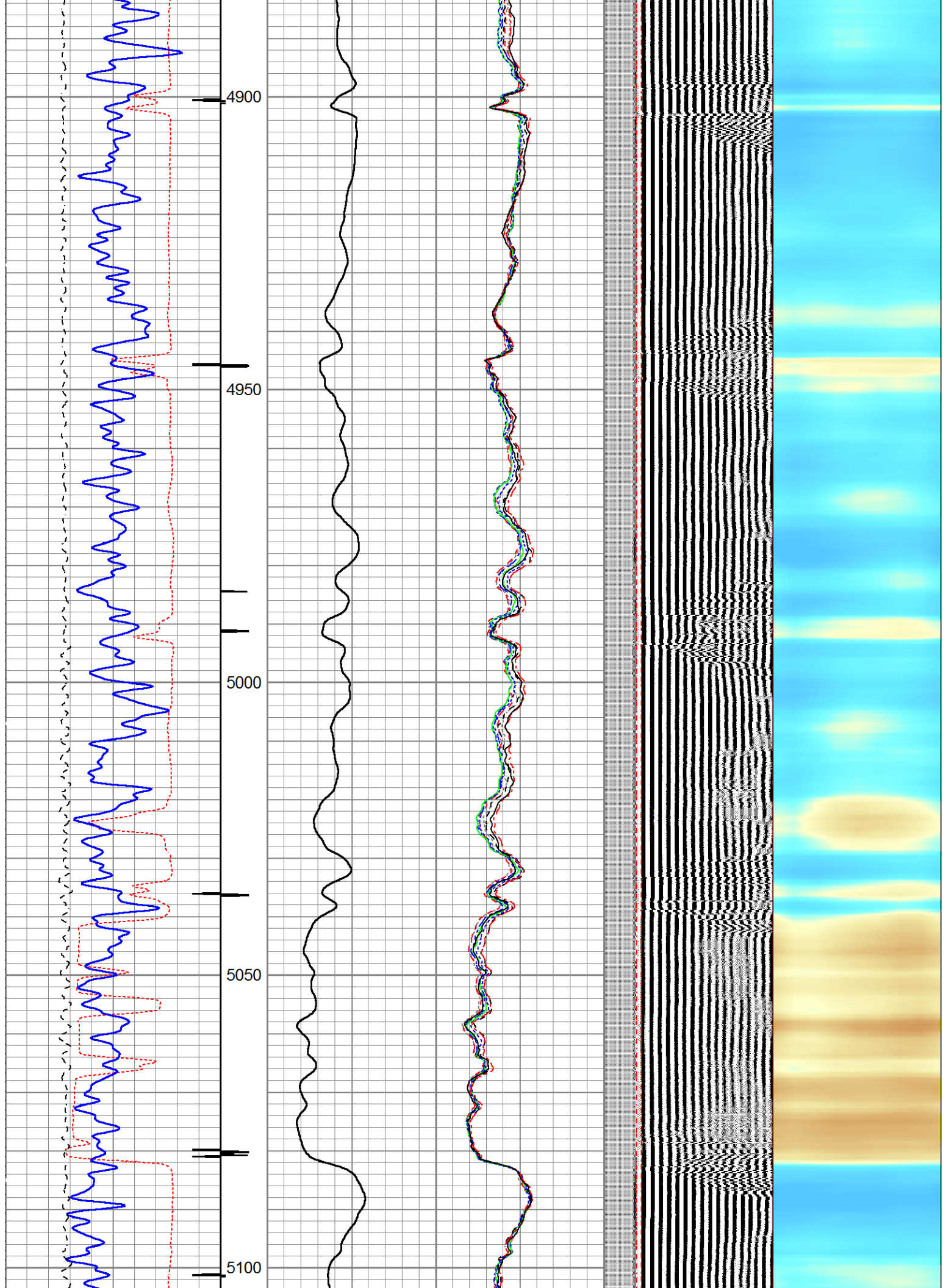


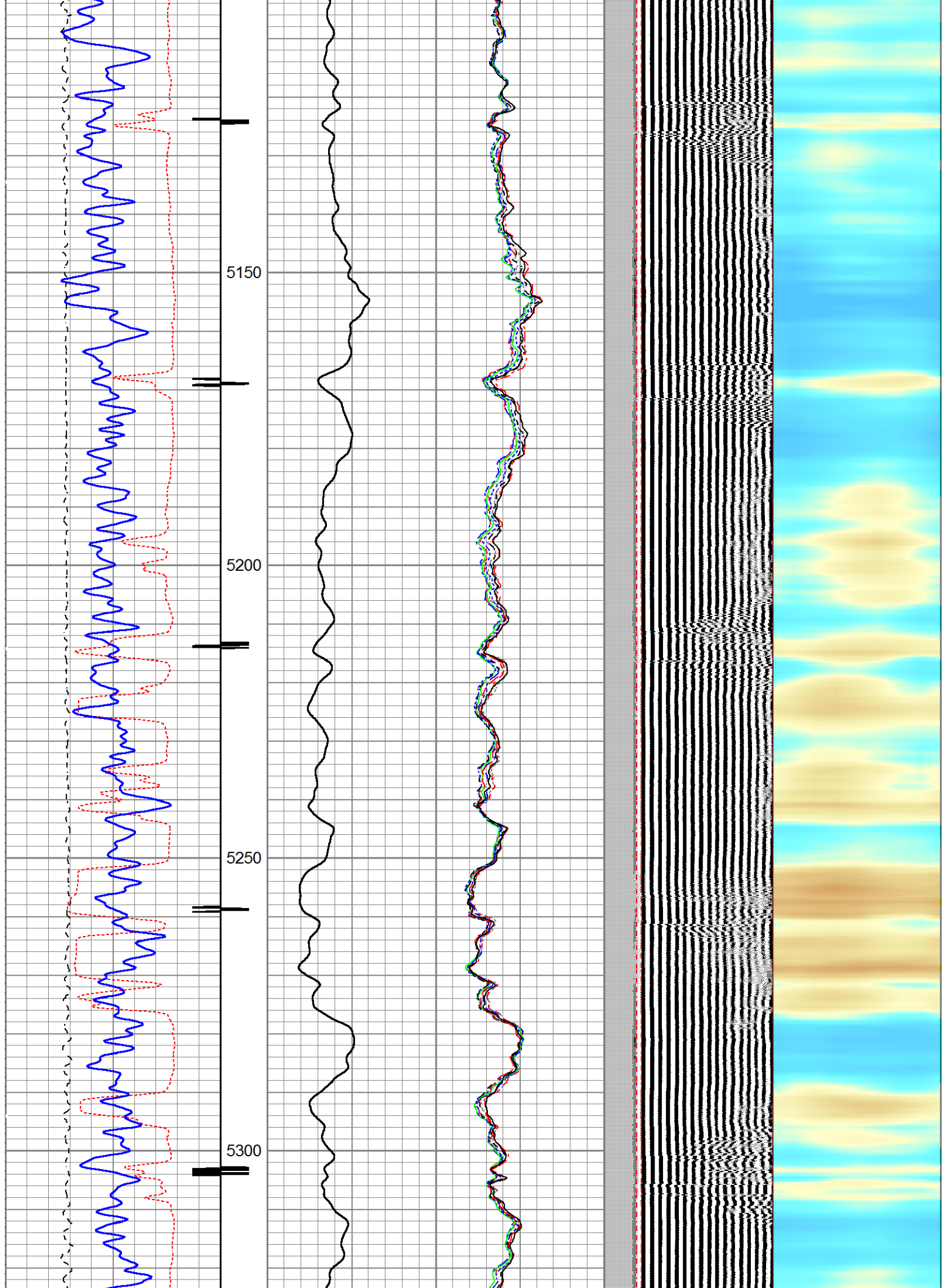


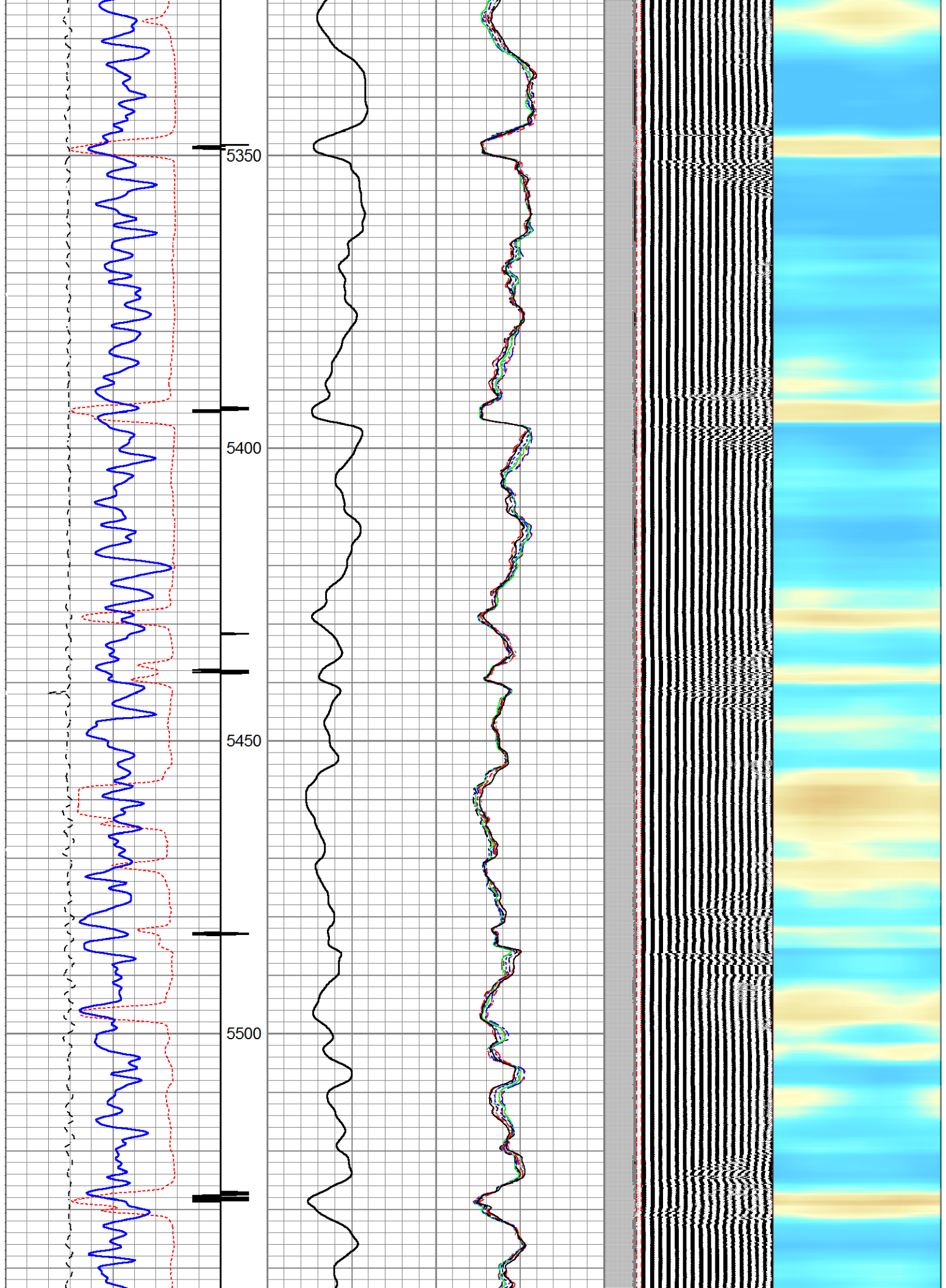


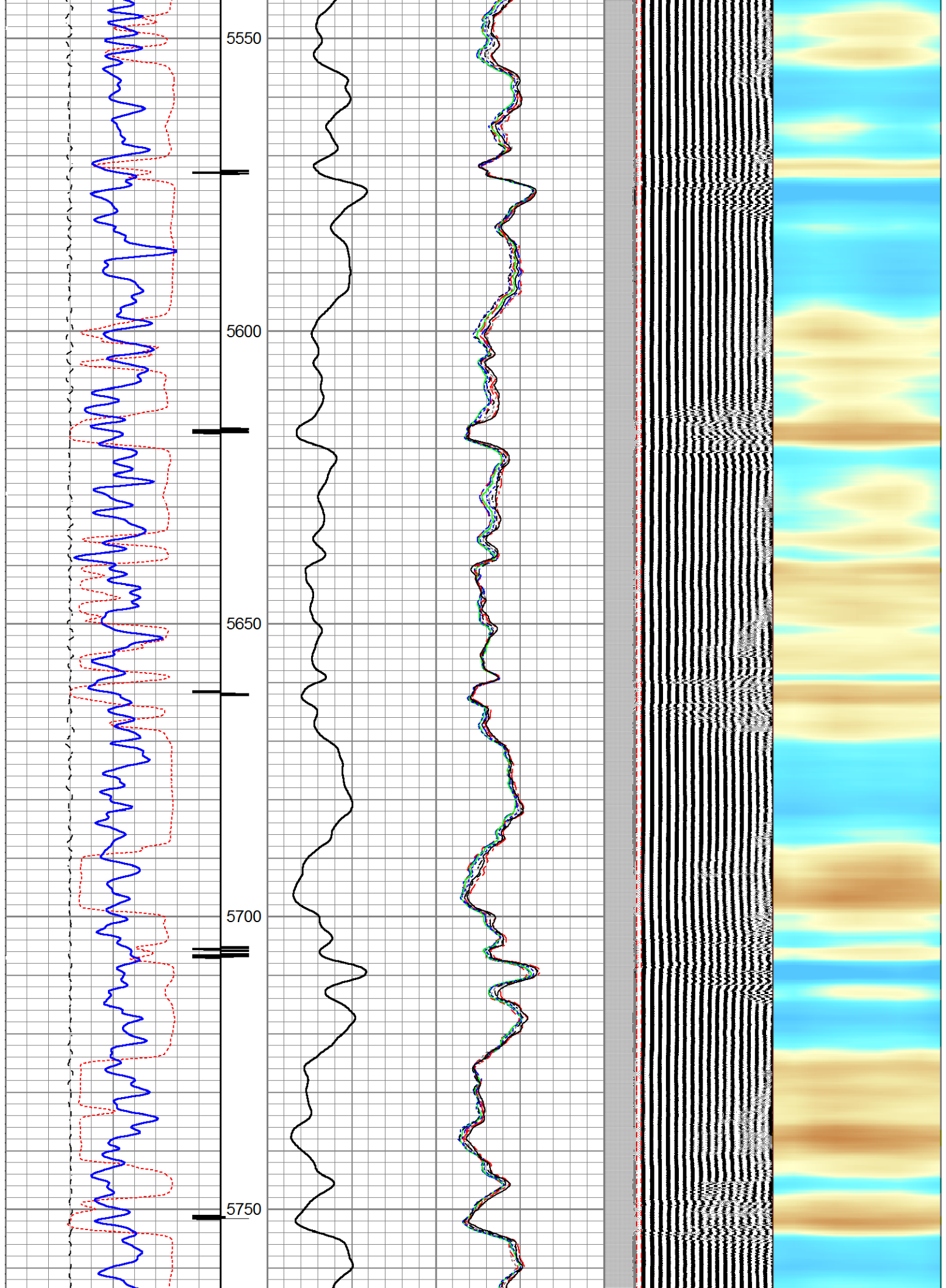


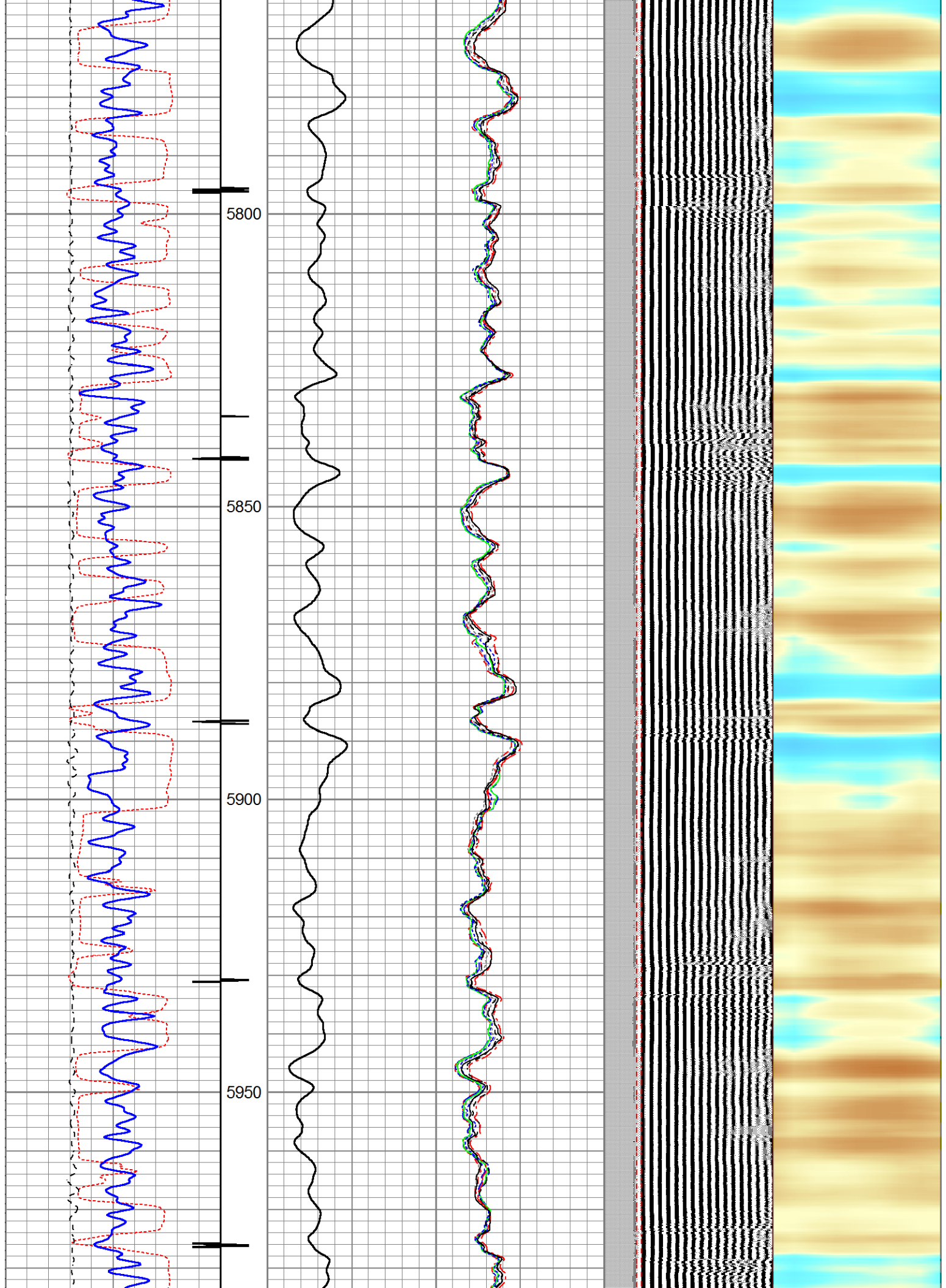


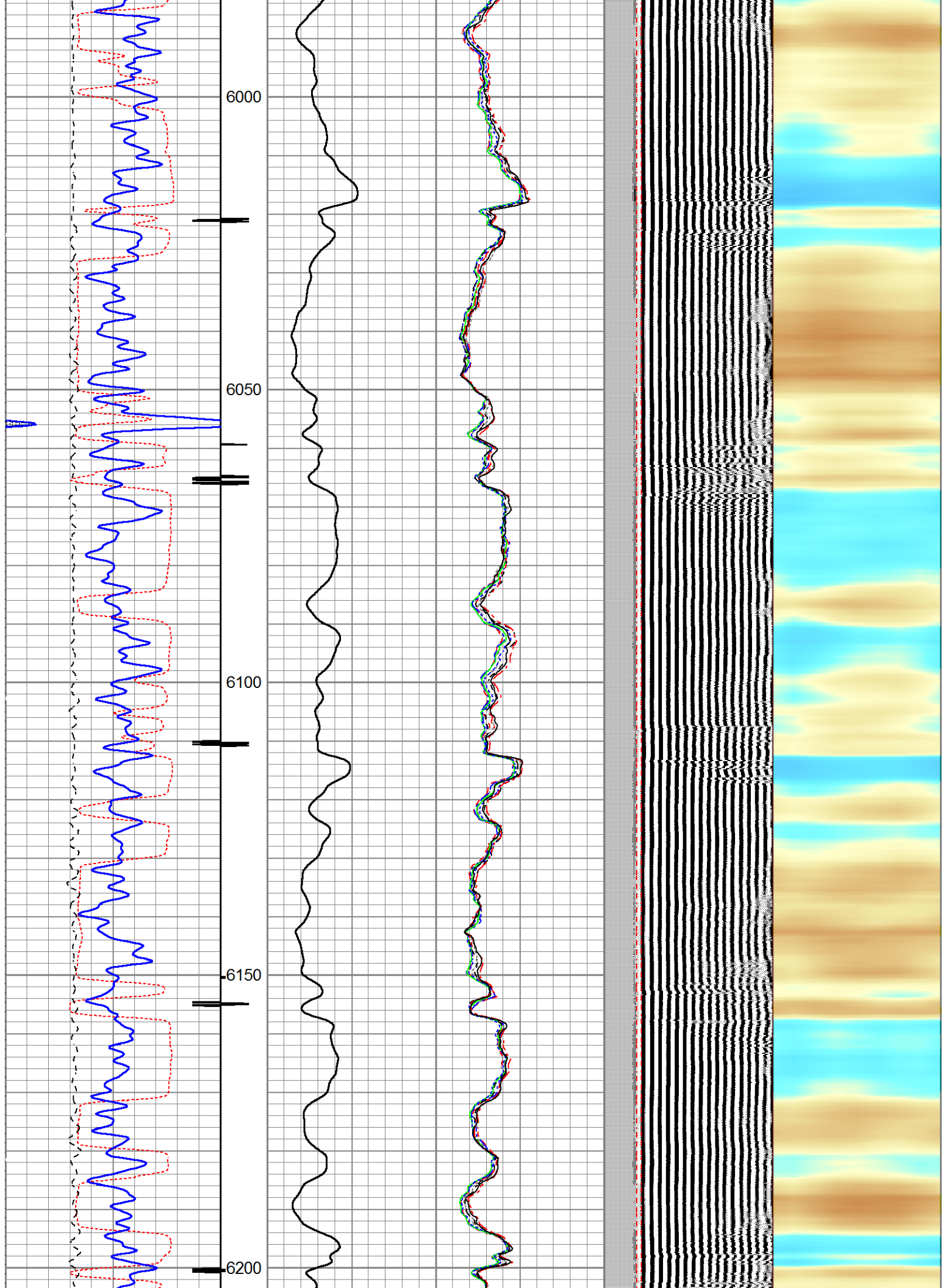


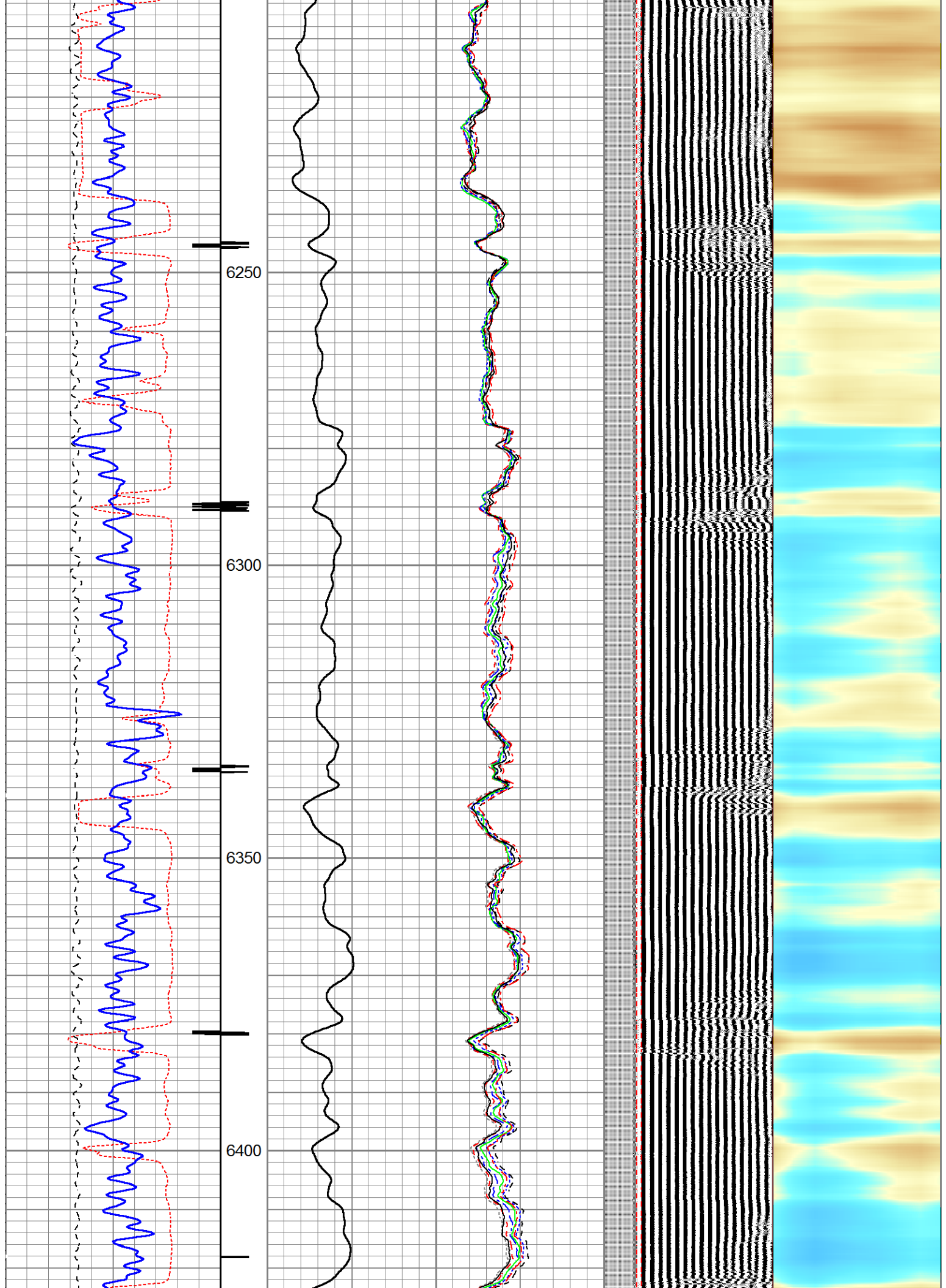


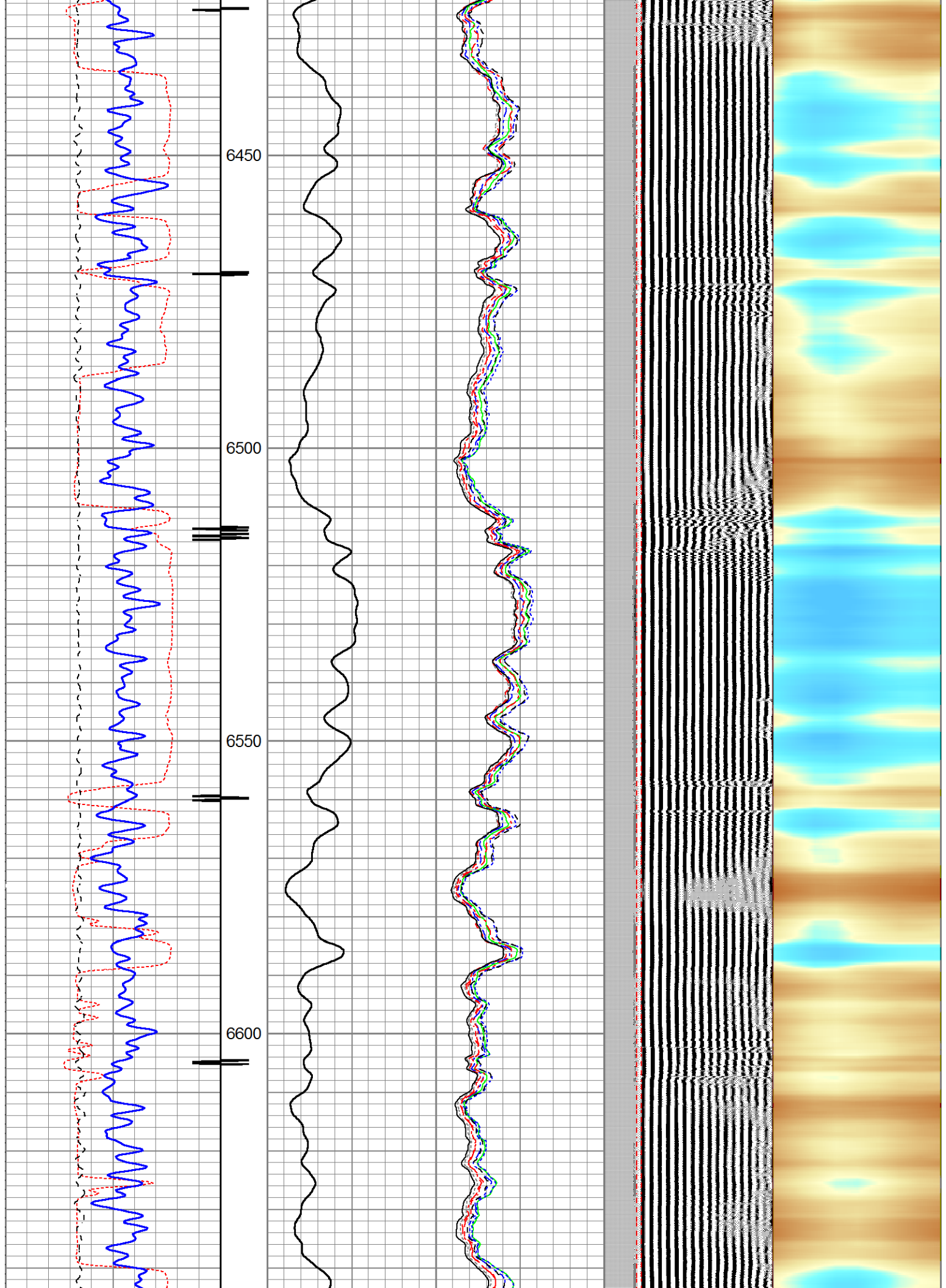


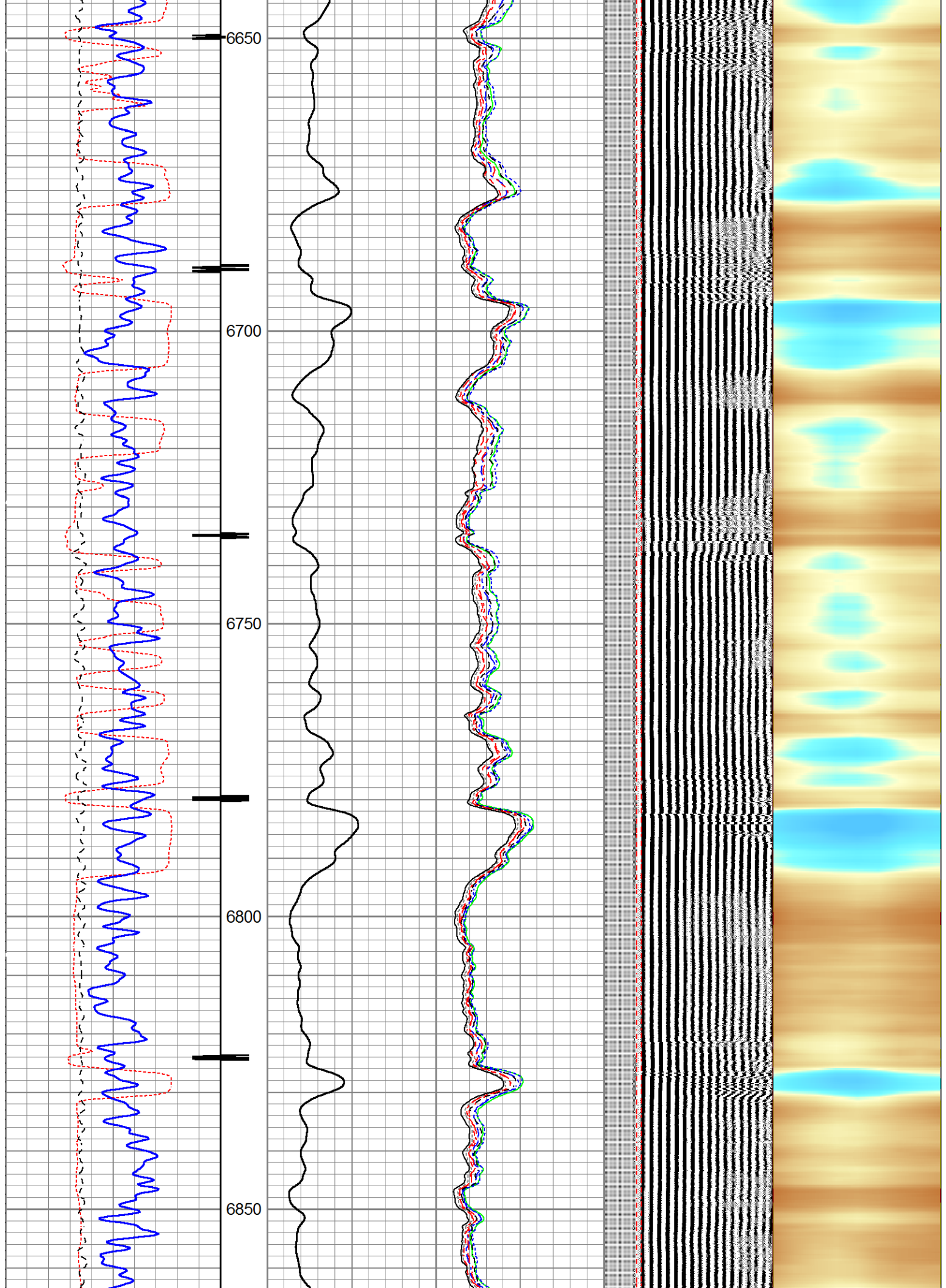


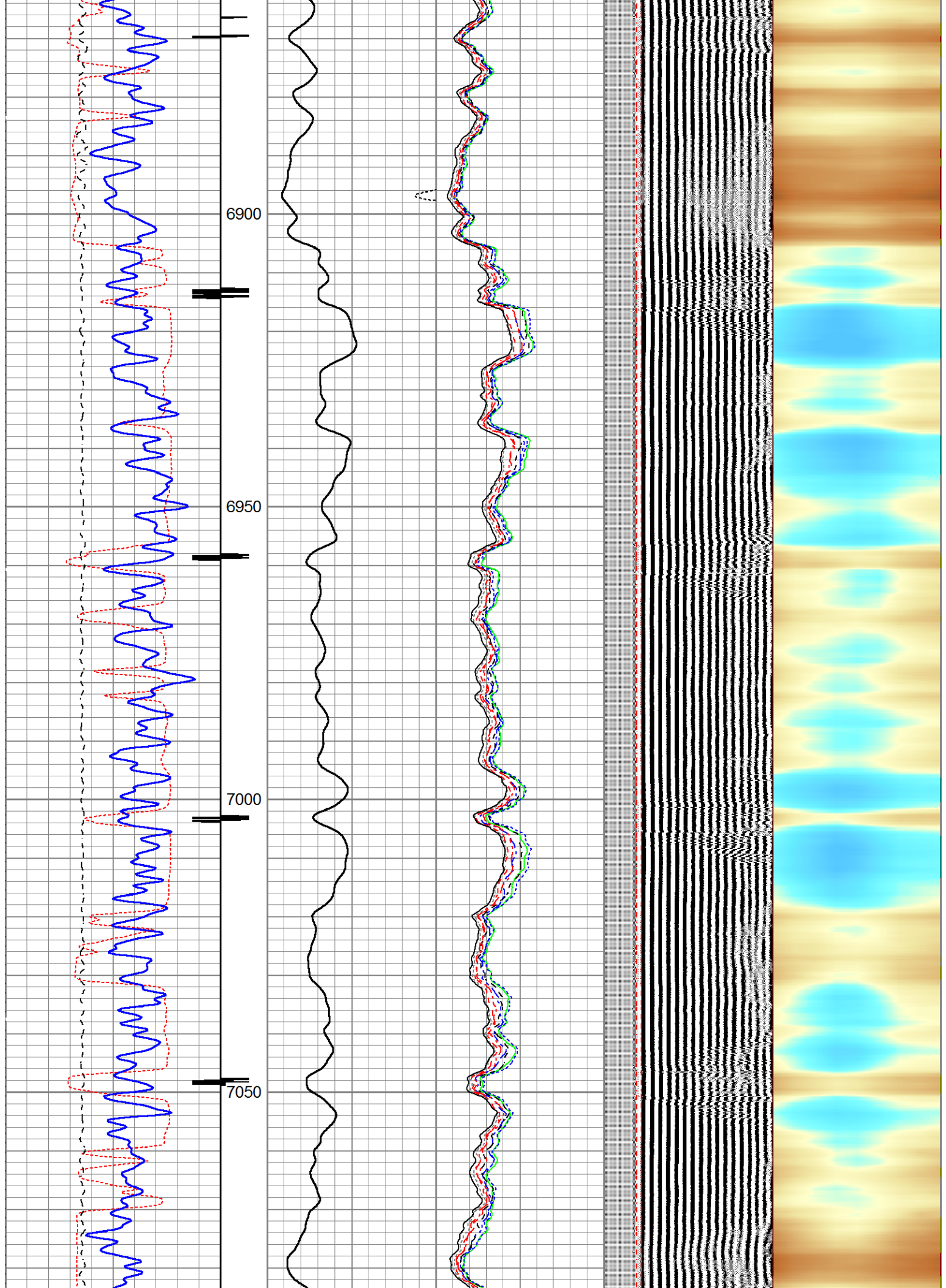


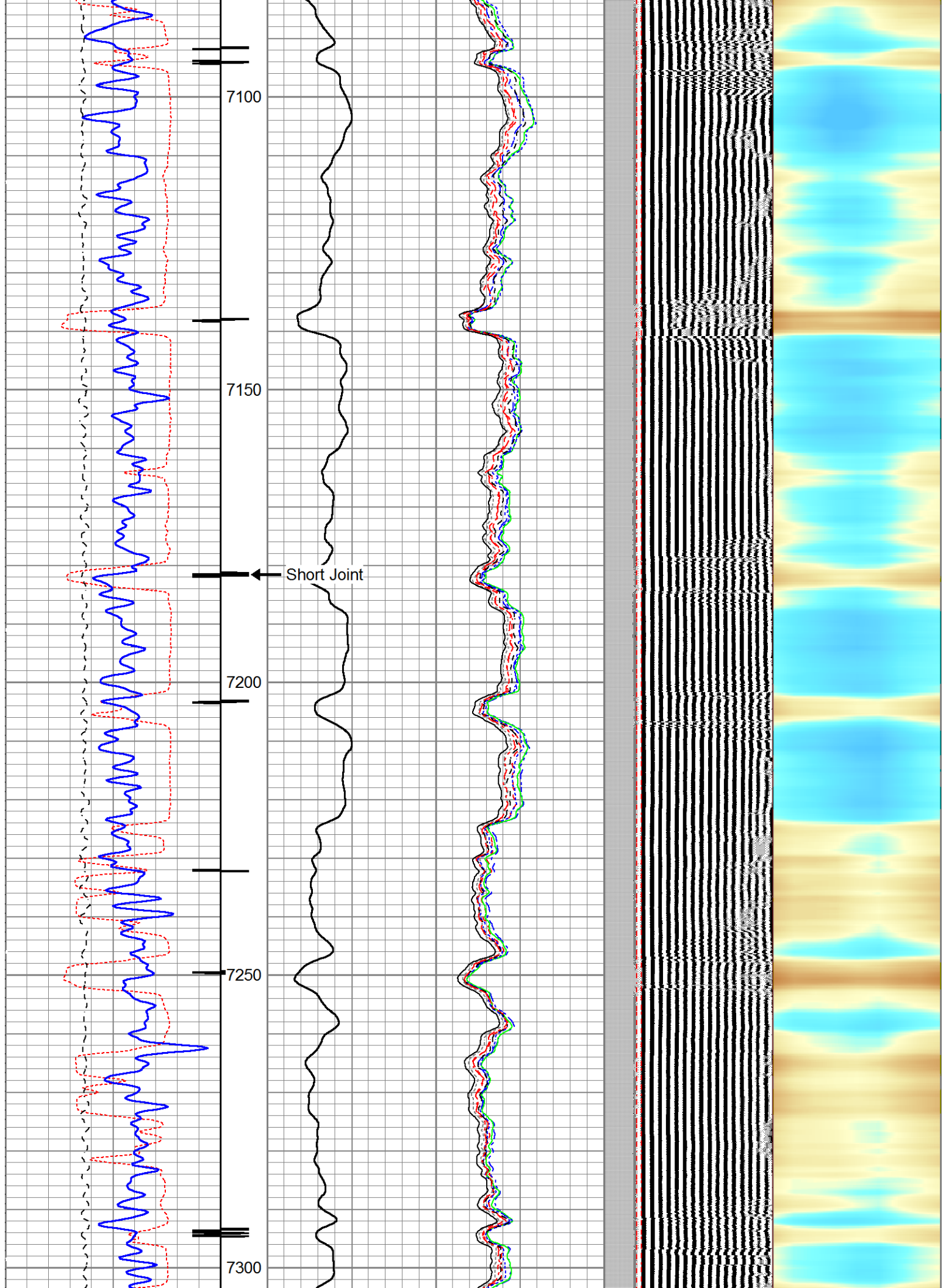


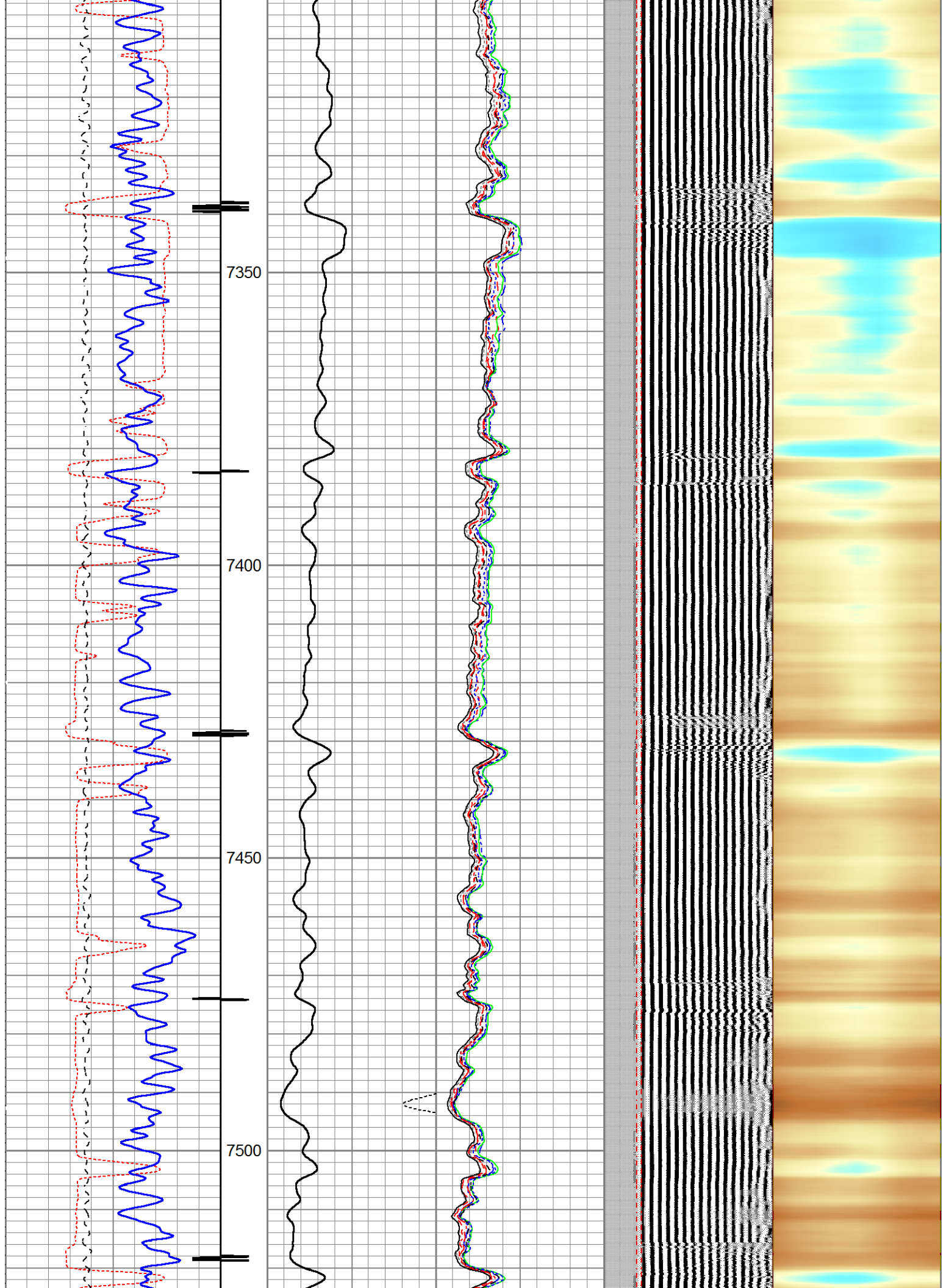


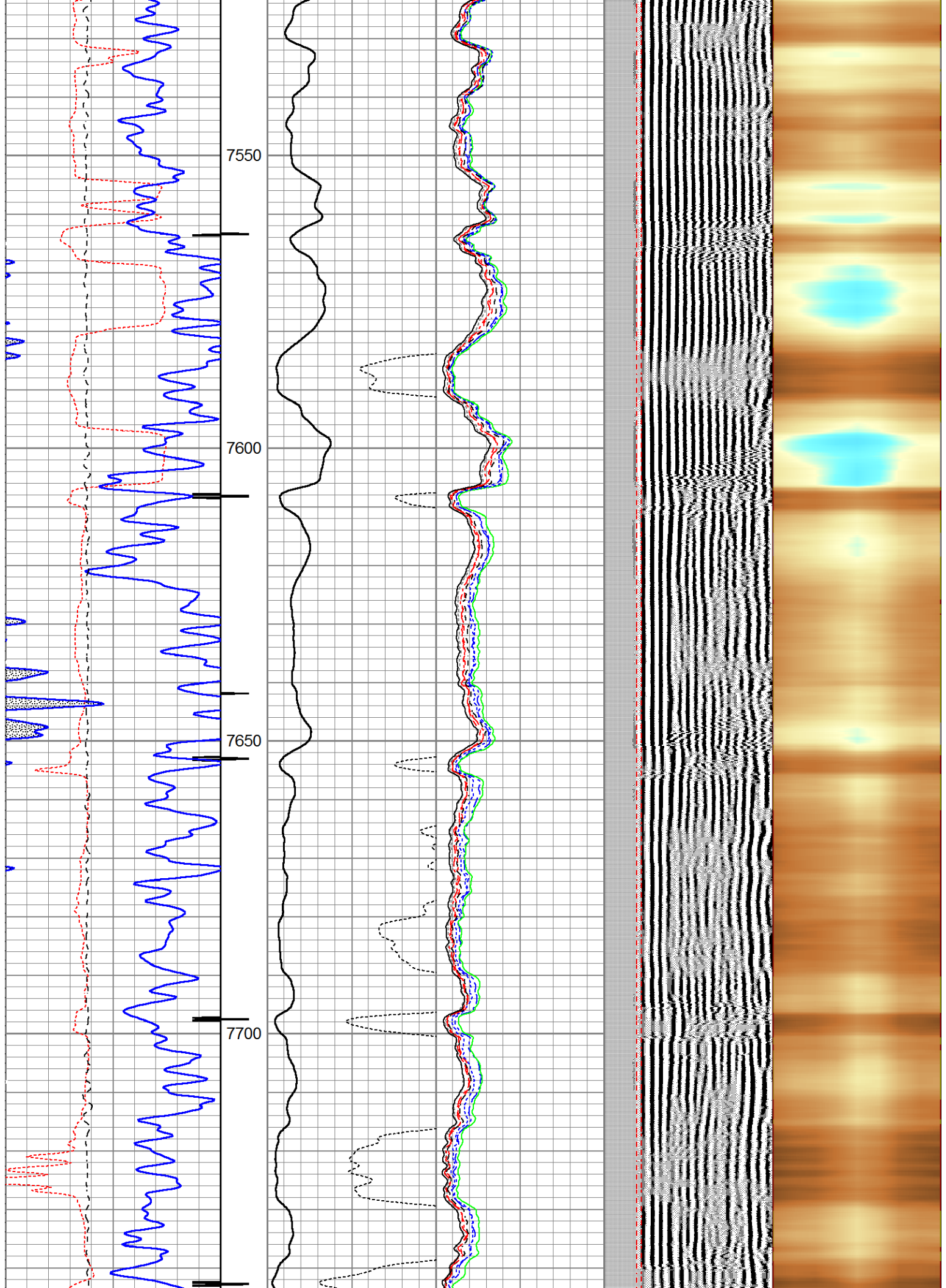


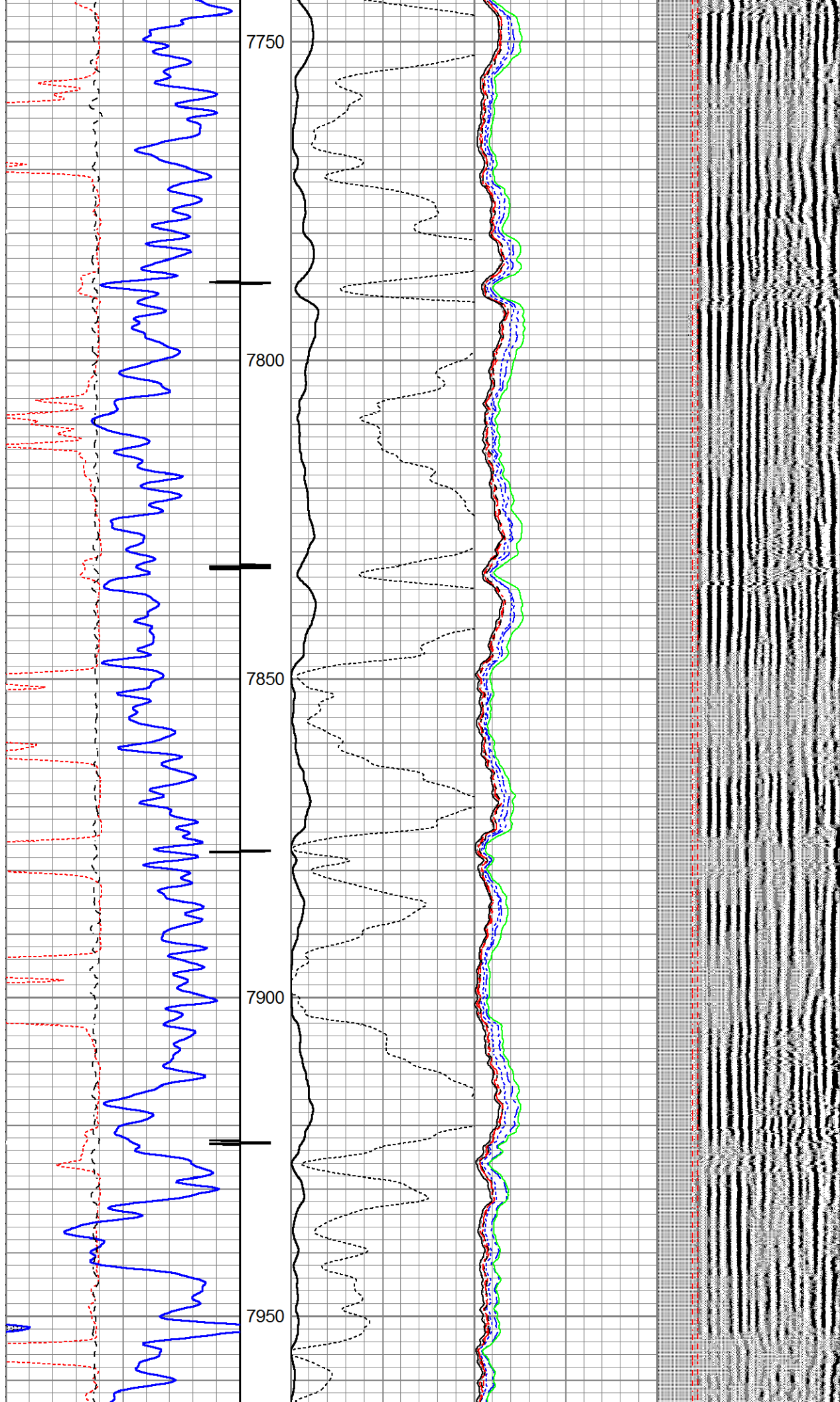


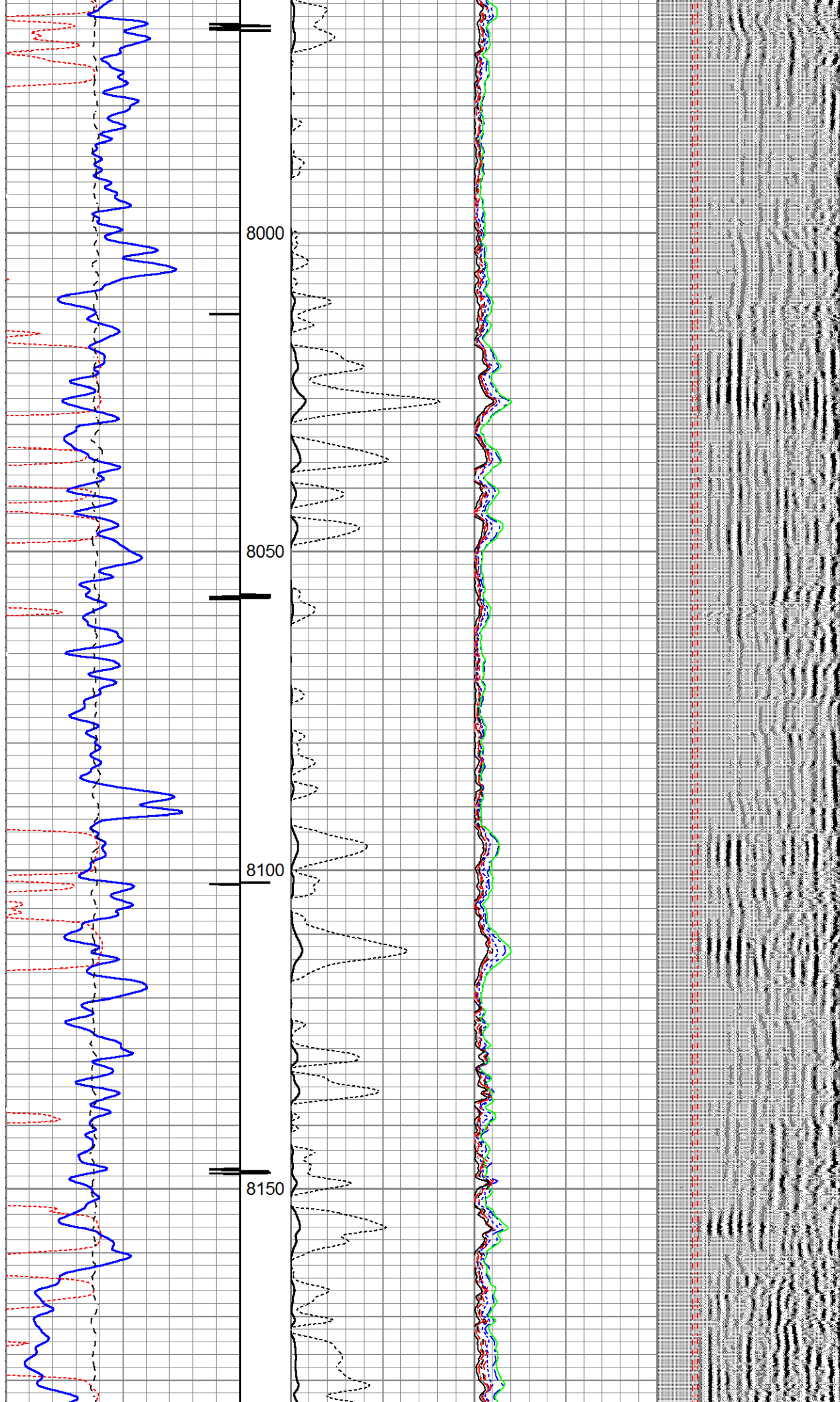


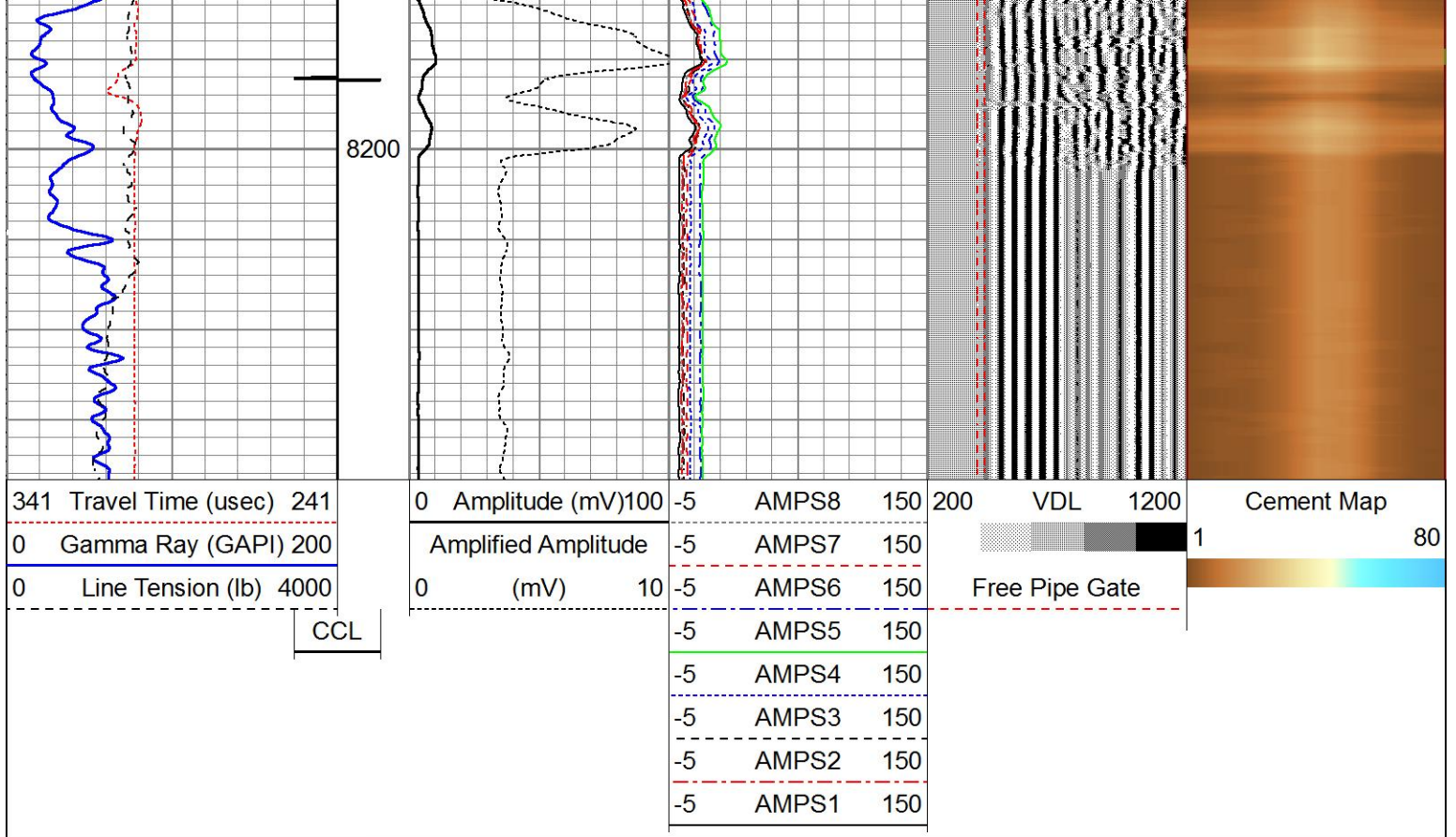












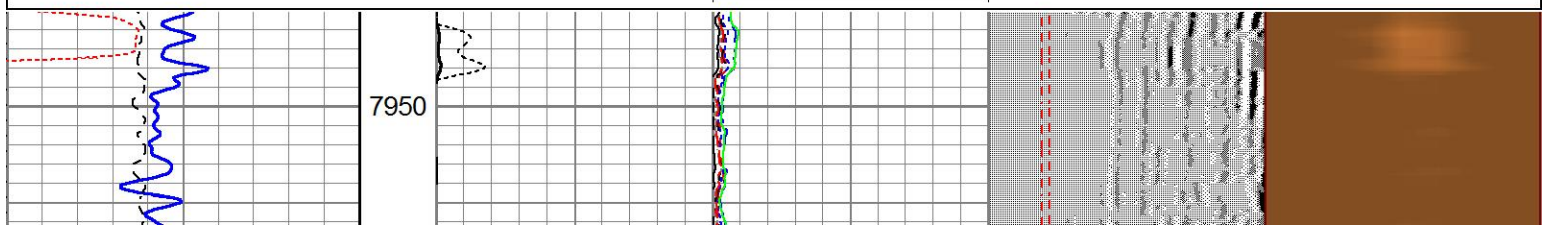
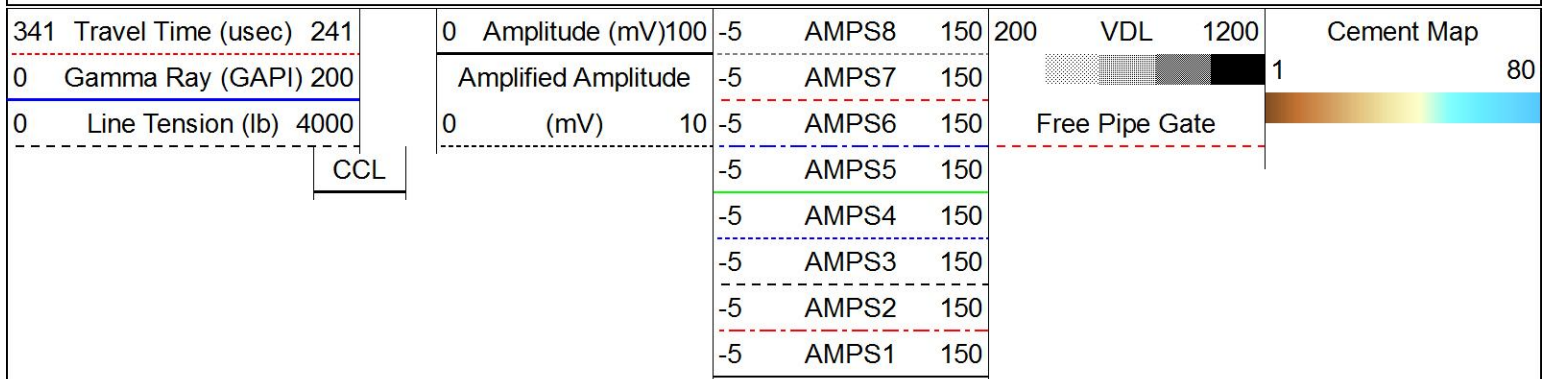
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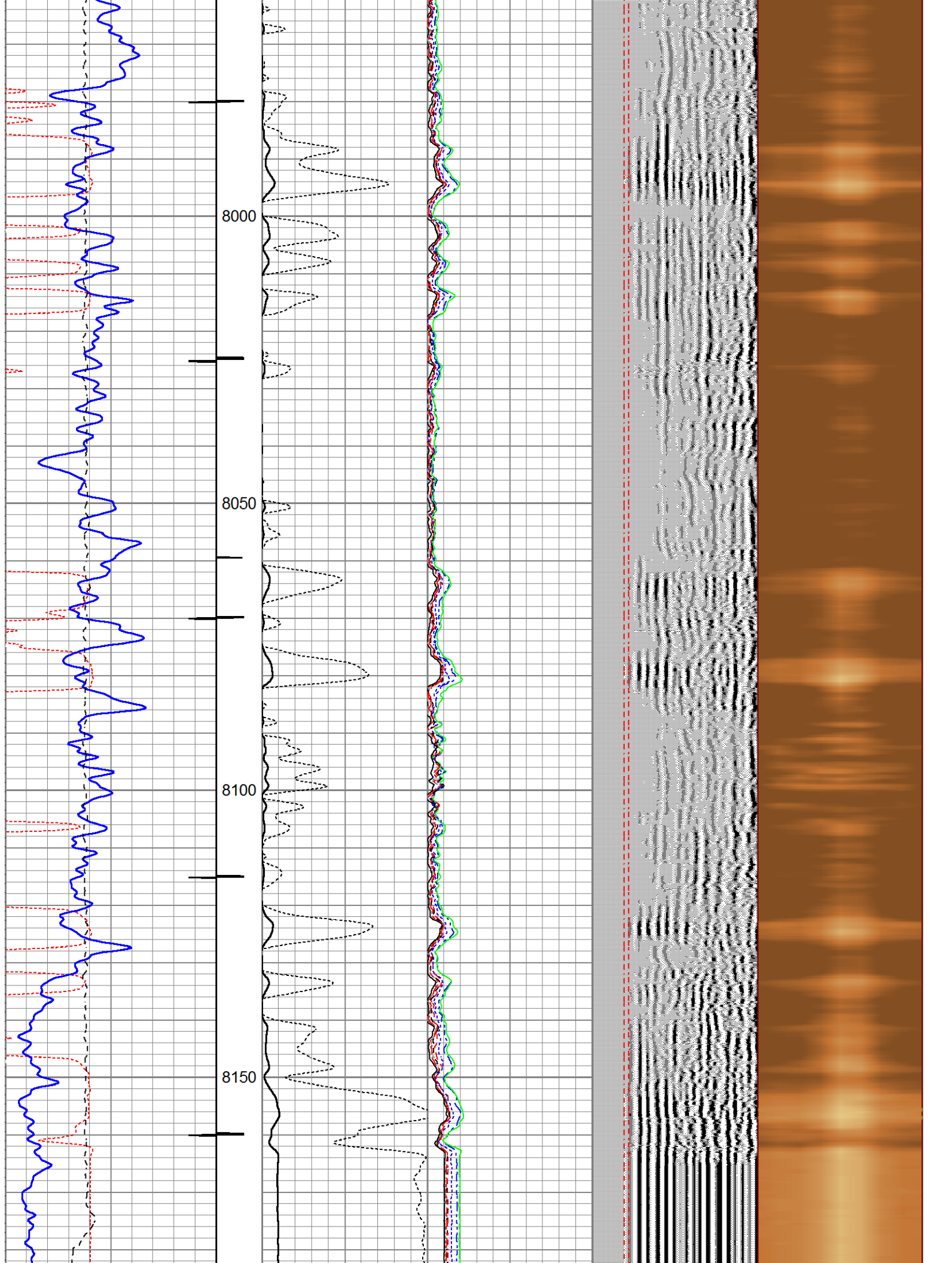
Main Pass (0) PSI

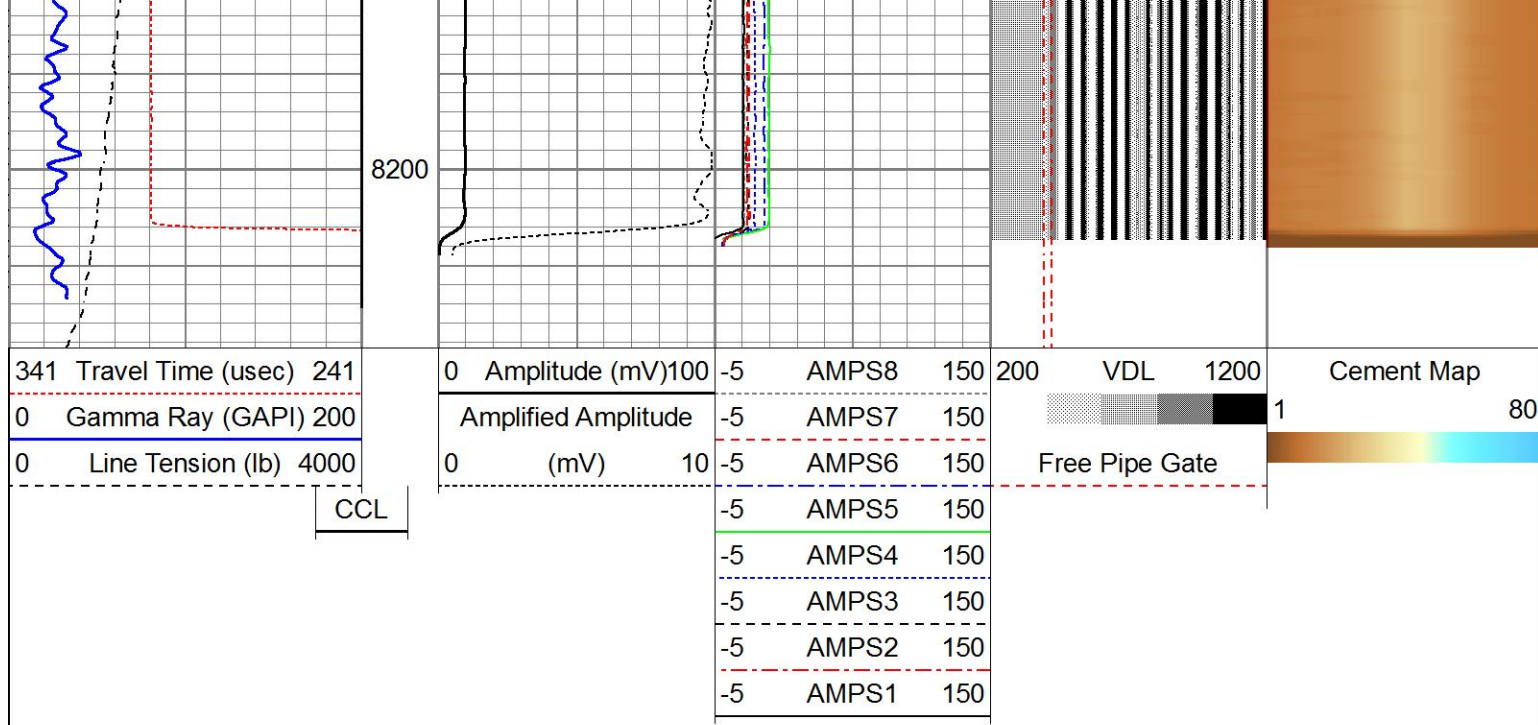
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Repeat Pass (0) PSI

Database File e:\petroshare corp shook pad\db\s\fs0218 ps shook 3-10-6cdh cbl.db
 Dataset Pathname Shook3-10-6CDH/run1/repeat1
 Presentation Format scbl5_5
 Dataset Creation Mon Mar 05 08:07:13 2018
 Charted by Depth in Feet scaled 1:240







Repeat Pass (0) PSI

Log Variables

DatabaseE:\Petroshare Corp Shook Pad\DB's\fs0218 ps shook 3-10-6cdh cbl.db

Dataset field/Shook3-10-6CDH/run1/main1/_vars_

Top - Bottom

BOREID in 7.875	BOTTEMP degF 100	CASEOD in 5.5	CASETHCK in 0	CASEWGHT lb/ft 20	MAXAMPL mV 72	MINAMPL mV 1	MINATTN db/ft 0.8
PERFS 0	PPT uSec 0	SRFTEMP degF 0	TDEPTH ft 0				

Variable Description

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	E:\Petroshare Corp Shook Pad\DB's\fs0218 ps shook 3-10-6cdh cbl.db	
Dataset Pathname	Shook3-10-6CDH/run1/main1	
Dataset Creation	Mon Mar 05 08:13:33 2018	
Gamma Ray Calibration Report		
Serial Number:	pr120363	
Tool Model:	Probe275dig	
Performed:	(Not Performed)	
Calibrator Value:	1.0	GAPI
Background Reading:	0.0	cps

Calibrator Reading:	1.0	cps
Sensitivity:	1.0000	GAPI/cps

Radial Cement Bond Calibration Report

Serial Number:	120768C
Tool Model:	Probe
Calibration Casing Diameter:	5.500 in
Calibration Depth:	2945.247 ft

Master Calibration, performed Mon Mar 05 07:41:13 2018:

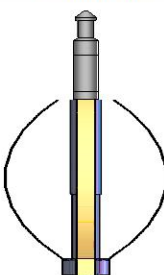
	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.003	0.430	1.000	71.921	166.181	0.493
CAL	0.004	0.843				
5'	-0.005	0.344	1.000	71.921	203.704	1.923
SUM						
S1	0.031	0.472	0.000	100.000	226.524	-7.026
S2	-0.000	0.440	0.000	100.000	226.875	0.086
S3	0.001	0.429	0.000	100.000	233.763	-0.205
S4	0.004	0.425	0.000	100.000	237.456	-0.849
S5	0.002	0.423	0.000	100.000	237.525	-0.397
S6	-0.000	0.425	0.000	100.000	235.125	0.052
S7	0.001	0.445	0.000	100.000	225.445	-0.234
S8	0.004	0.468	0.000	100.000	215.386	-0.847

Internal Reference Calibration, performed Sat Mar 03 18:58:32 2018:

	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.004	0.843	1.000	0.000

Temperature Calibration Report

Serial Number:	120768C
Tool Model:	Probe
Performed:	Tue Oct 09 13:55:20 2012
	Reference Reading
Low Reference:	100.000 109.429
High Reference:	350.000 407.272
Gain:	0.839
Offset:	8.149

Sensor	Offset (ft)	Schematic	Description	Length (ft)	O.D. (in)	Weight (lb)
			CHD-1.4375CHD Titan Cable Head 1 7/16	1.00	1.44	10.00
			CENT-Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00

ExTemp	14.41					
WVFS8	12.11		CLT-RBT-Probe (120768C) Probe 2.75" Radial Bond Tool w/Temperature	9.21	2.75	93.00
WVFS7	12.11					
WVFS6	12.11					
WVFS5	12.11					
WVFS4	12.11					
WVFS3	12.11					
WVFS2	12.11					
WVFS1	12.11					
WVFCAL	12.11					
WVF3FT	12.11					
WVF5FT	11.11					
			CENT-Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
CCL	4.14					
GR	2.81					
		CLT-GR-Probe275dig (pr120363) Probe Digital Gamma CCL	4.78	2.75	57.00	
		Titan-1.375_Cap Titan 1 3/8" Cap	0.27	1.38	1.00	
Dataset: fs0218 ps shook 3-10-6cdh cbl.db: field/Shook3-10-6CDH/run1/main1						
Total length: 21.01 ft						
Total weight: 201.00 lb						
O.D.: 2.75 in						

Company	Petroshare Corp					
Well	SHOOK 3-10-6CDH					
Field	WATTENBERG					
County	ADAMS		State	COLORADO		

County

ADAMS

State

COLORADO



Radial Cement Bond
Gamma Ray CCL
Log