



Radial Cement Bond
Gamma Ray CCL
Log

Company		Petroshare Corp	
Well		SHOOK 3-10-1CDH	
Field		WATTENBERG	
County		ADAMS	
State		COLORADO	
Location:		API # : 05-001-09968	
Permanent Datum		G.L.	Elevation 5098'
Log Measured From		K.B.	
Drilling Measured From		K.B.	
NWSE SEC.03-T01S-R67W 2058' FSL & 2289 FEL		Other Services N/A	
Date		MARCH 3, 2018	
Run Number	TWO		
Depth Driller	13190		
Depth Logger	8797'		
Bottom Logged Interval	8785'		
Top Log Interval	57'		
Open Hole Size	N/A		
Type Fluid	H2O		
Density / Viscosity	8.4		
Max. Recorded Temp.	N/A		
Estimated Cement Top	476'		
Time Well Ready	10:15		
Time Logger on Bottom	11:20		
Equipment Number	200121		
Location	GREELEY 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	Mq/ft	Top
Surface String	9-5/8"	36 PPF	SURFACE
Prot. String	5-1/2	20 PPF	SURFACE
Production String			Bottom
Liner			1829
			13190

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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 7731' - 7754'
50 barrels of cement circulated to surface
Unable to log free pipe

THANK YOU FOR USING C&J CASEDHOLE SOLUTIONS

M. NOWICKI, B. SISSON, S. BARNETT



Main Pass (0) PSI

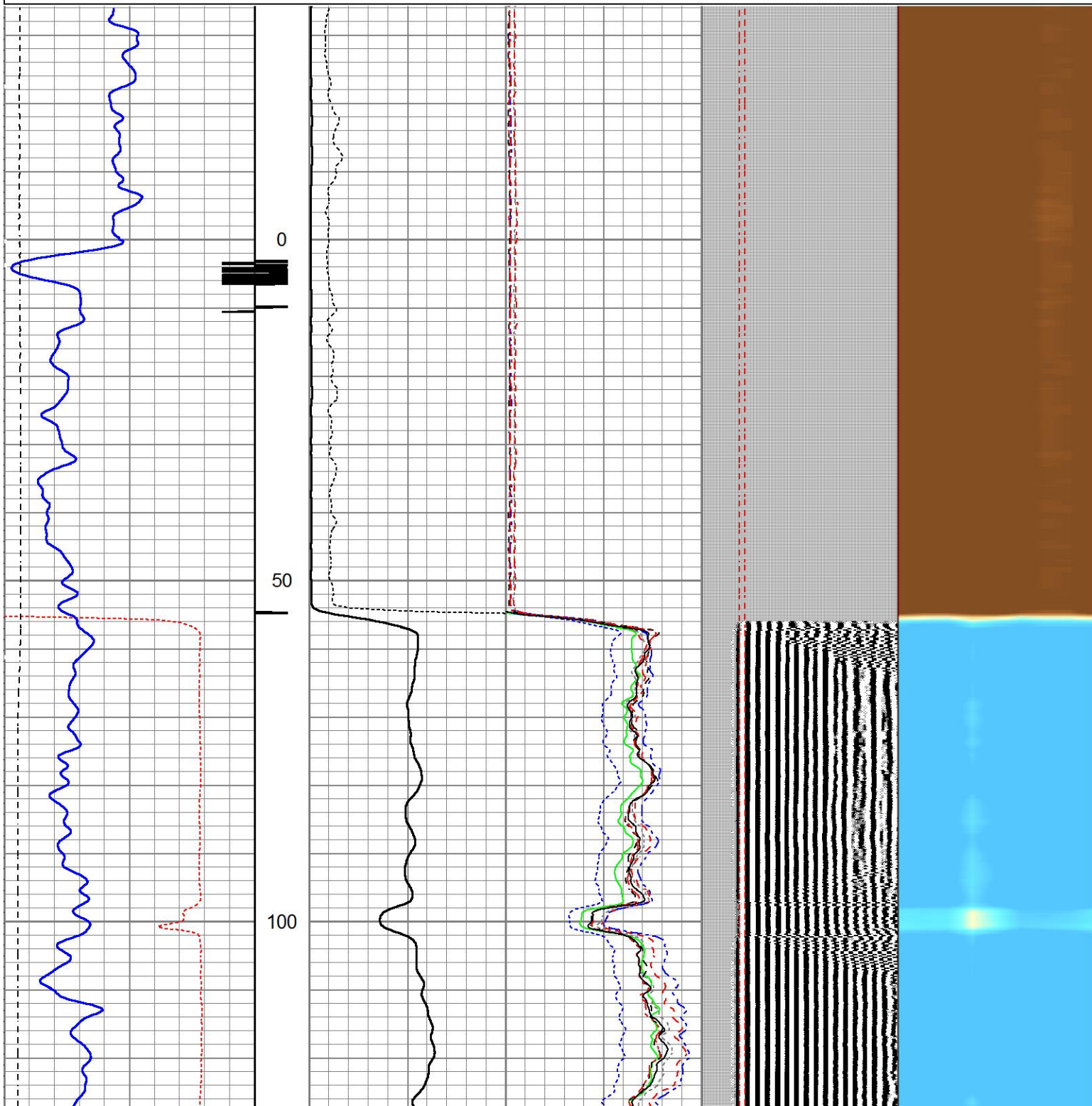
Database File e:\petroshare corp shook pad\db\s\fs0205 ps shook 3-10-1cdh cbl.db
Dataset Pathname Shook3-10-1CDH/run2/pass7
Presentation Format scbl5_5
Dataset Creation Tue Mar 06 22:09:55 2018
Charted by Depth in Feet scaled 1:240

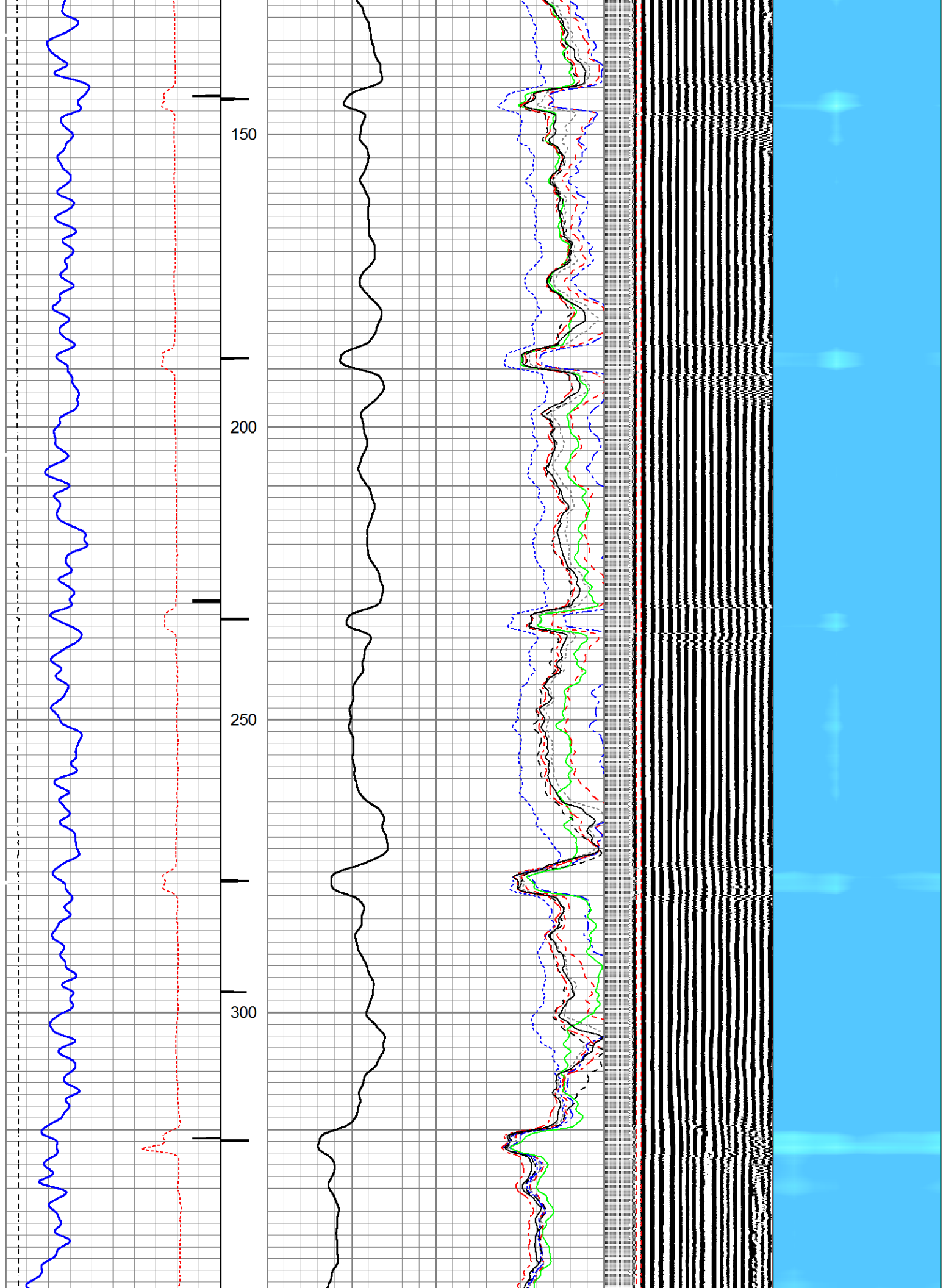
341 Travel Time (usec) 241
0 Gamma Ray (GAPI) 200
0 Line Tension (lb) 4000

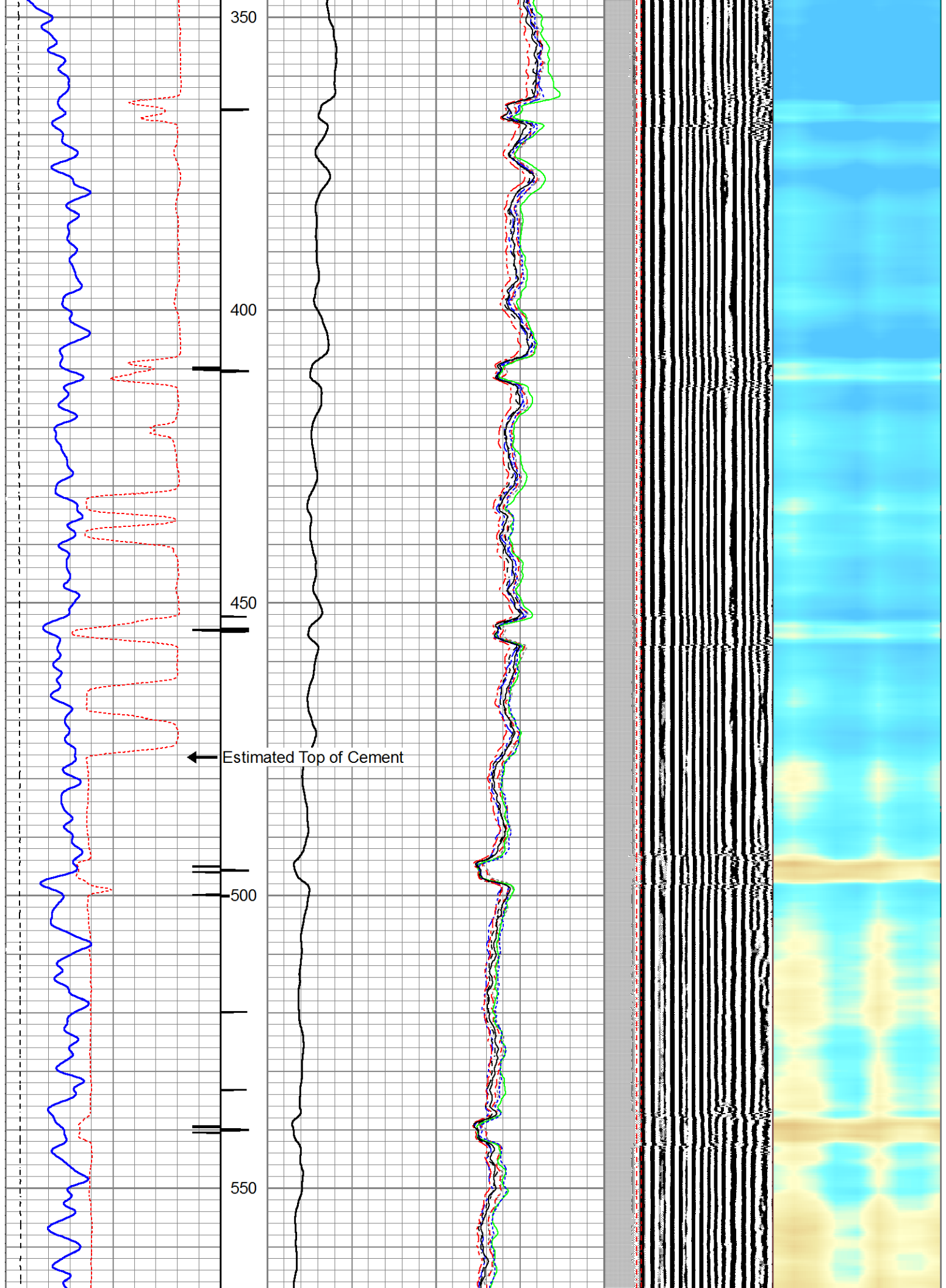
CCL

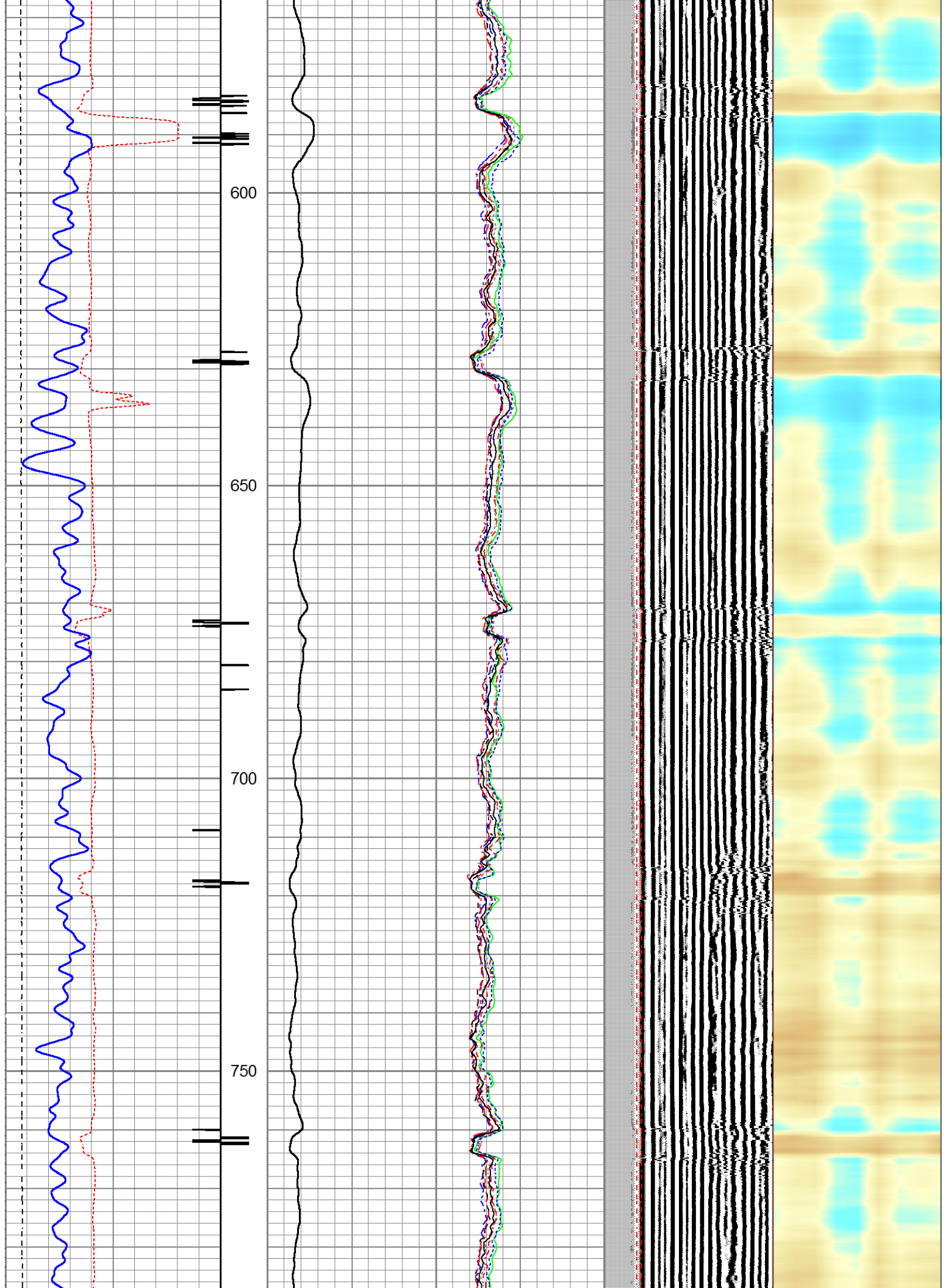
0	Amplitude (mV)	100	-5	AMPS8	150
Amplified Amplitude					
			-5	AMPS7	150
0	(mV)	10	-5	AMPS6	150
			-5	AMPS5	150
			-5	AMPS4	150
			-5	AMPS3	150
			-5	AMPS2	150
			-5	AMPS1	150

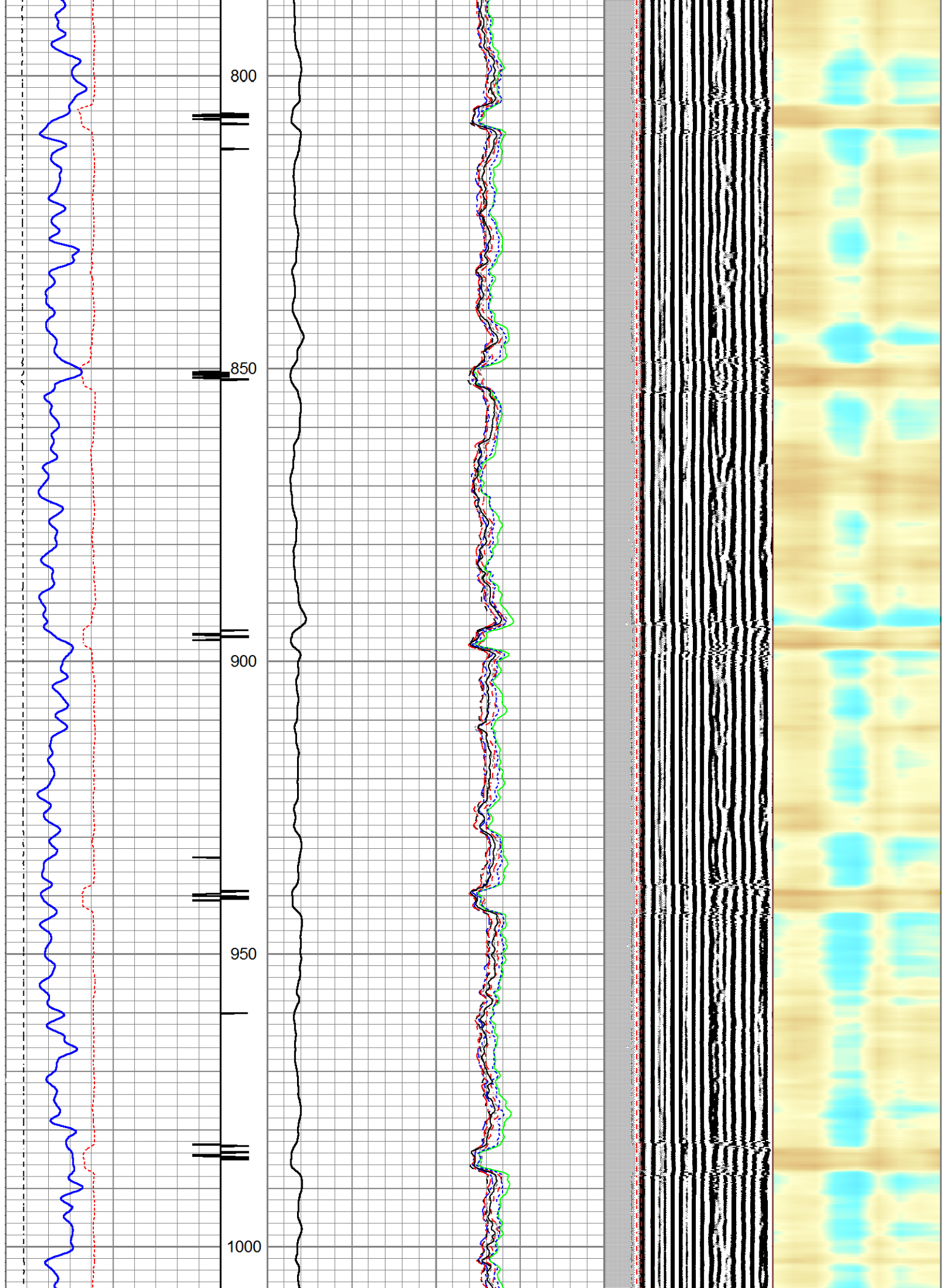
200 VDL 1200
Free Pipe Gate
Cement Map
1 80

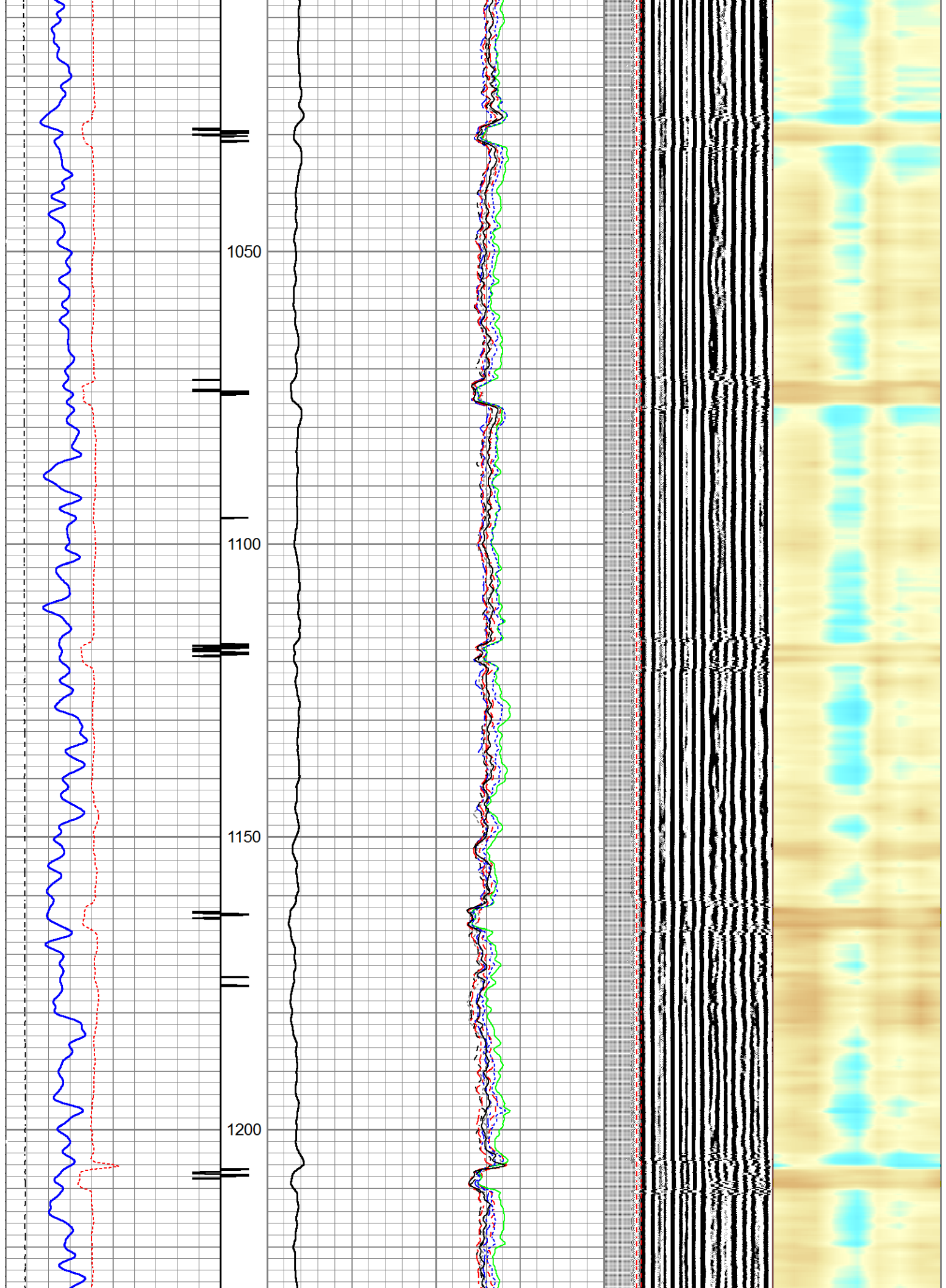


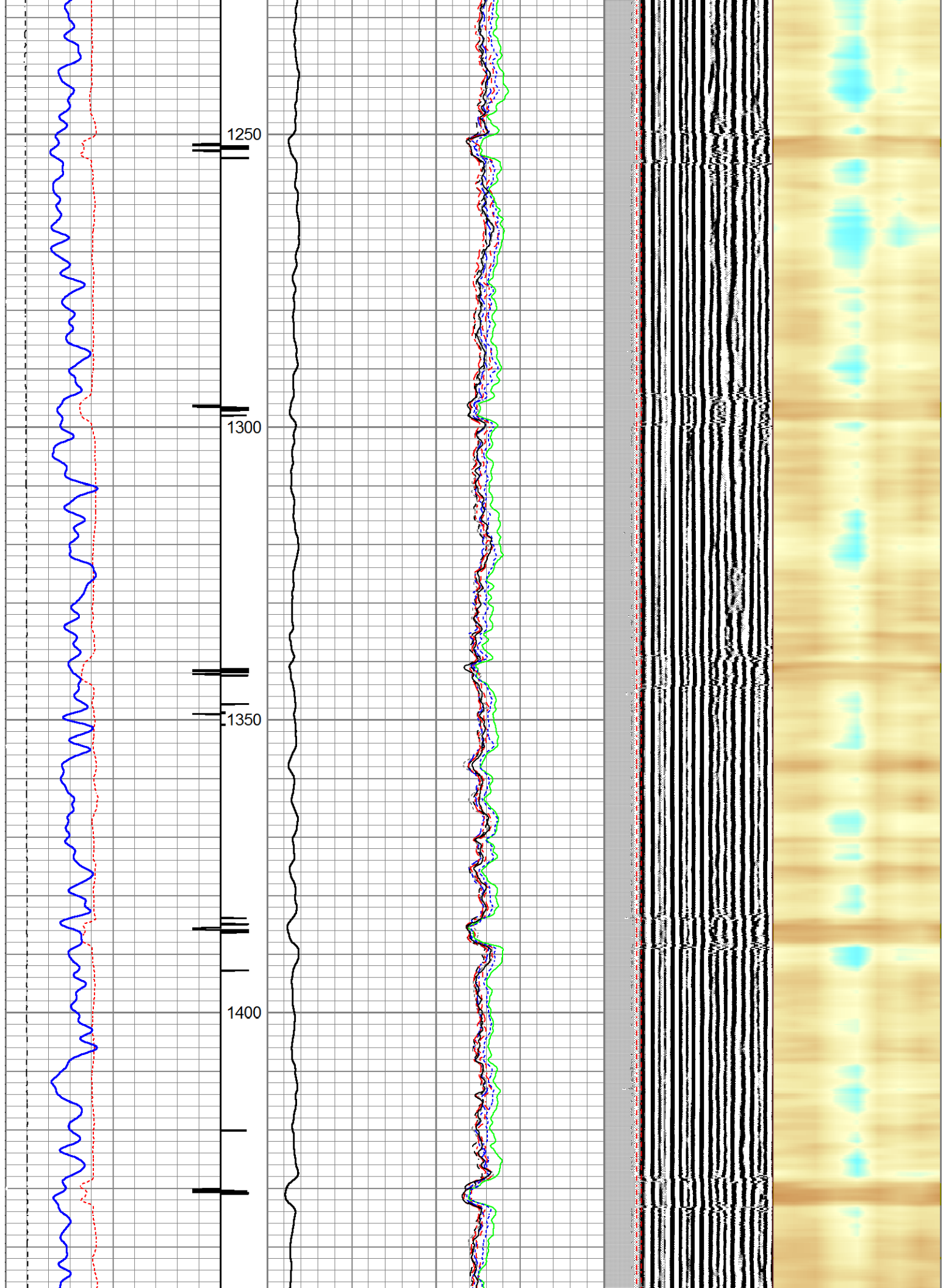


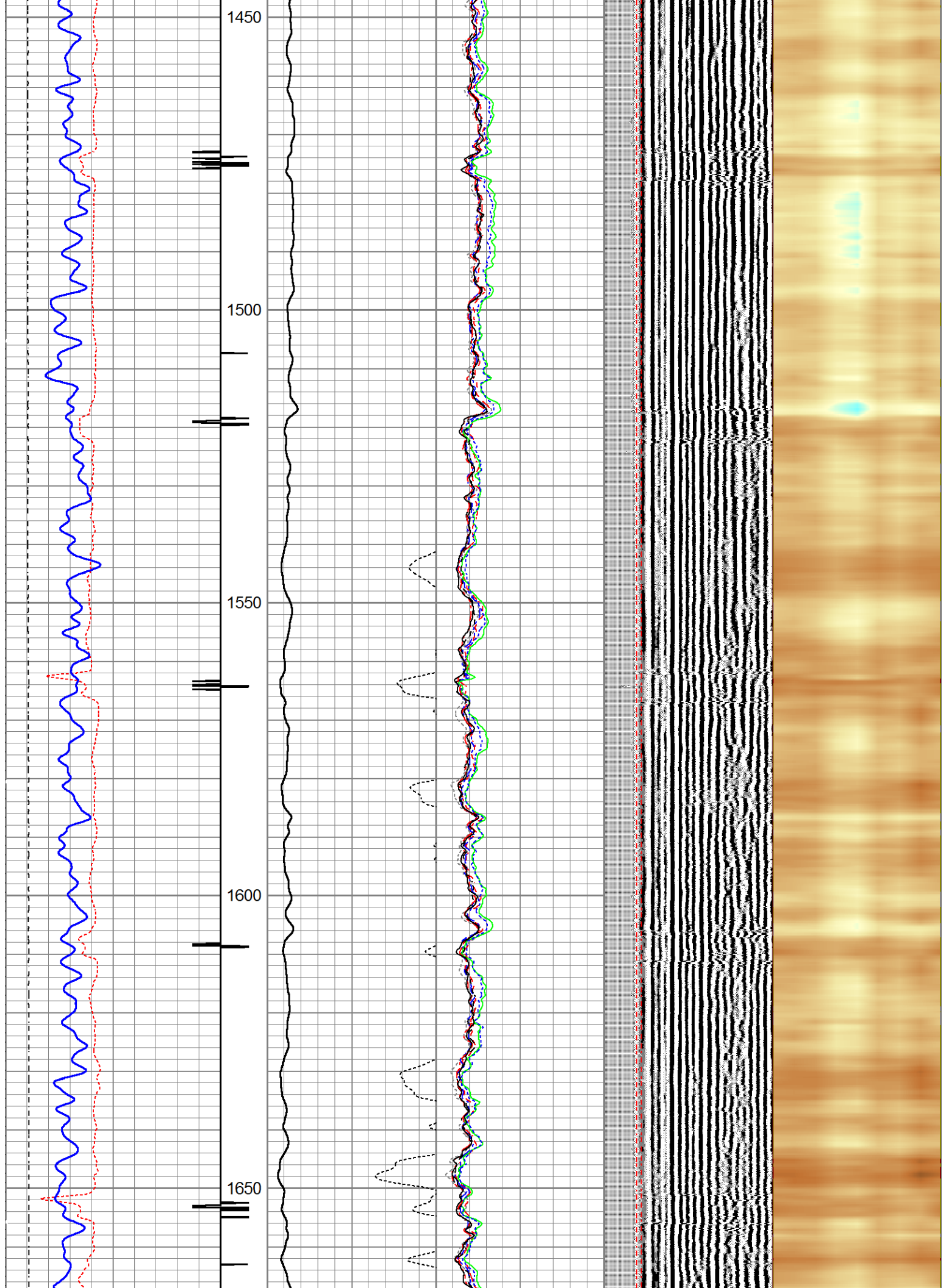


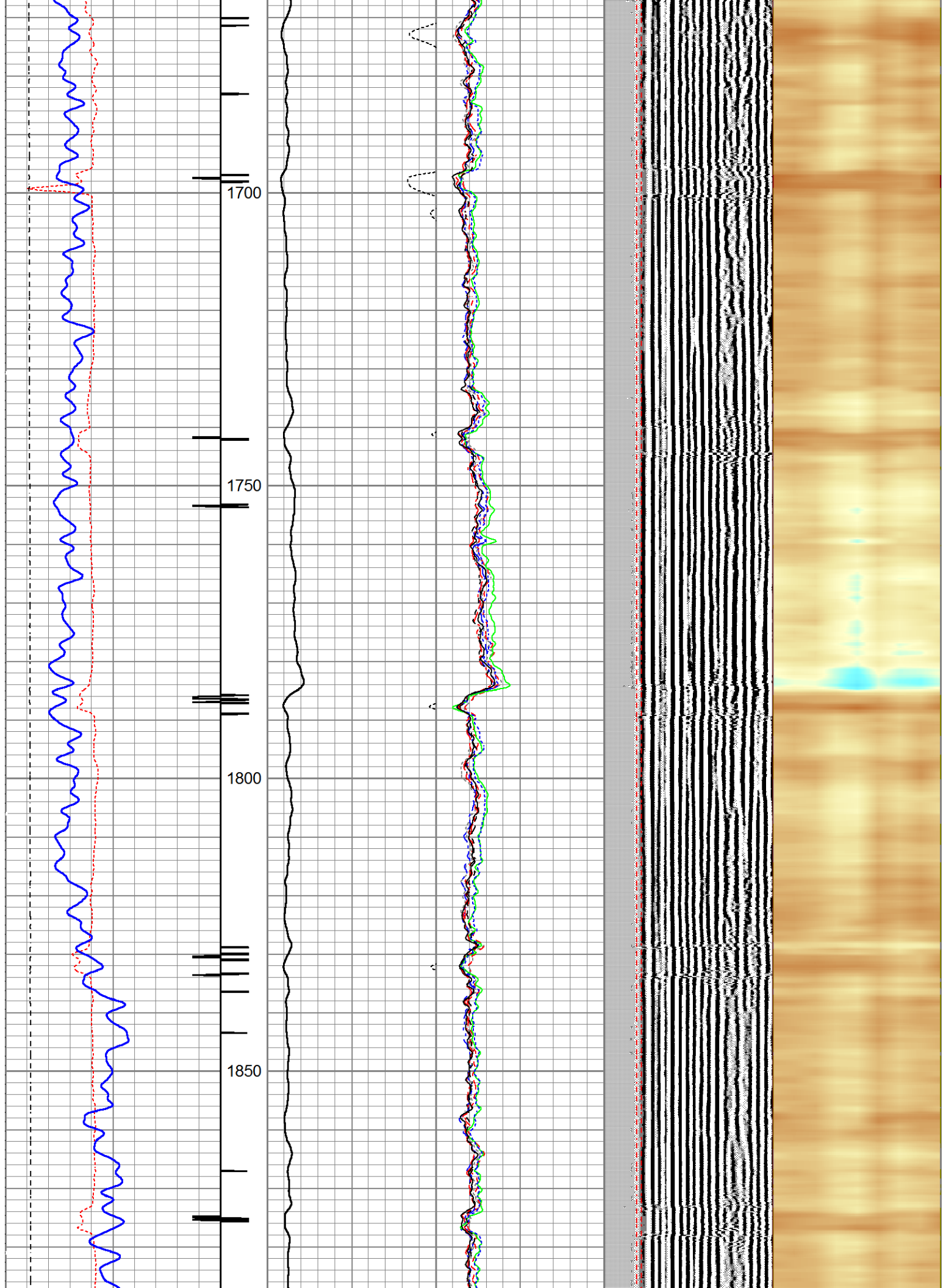


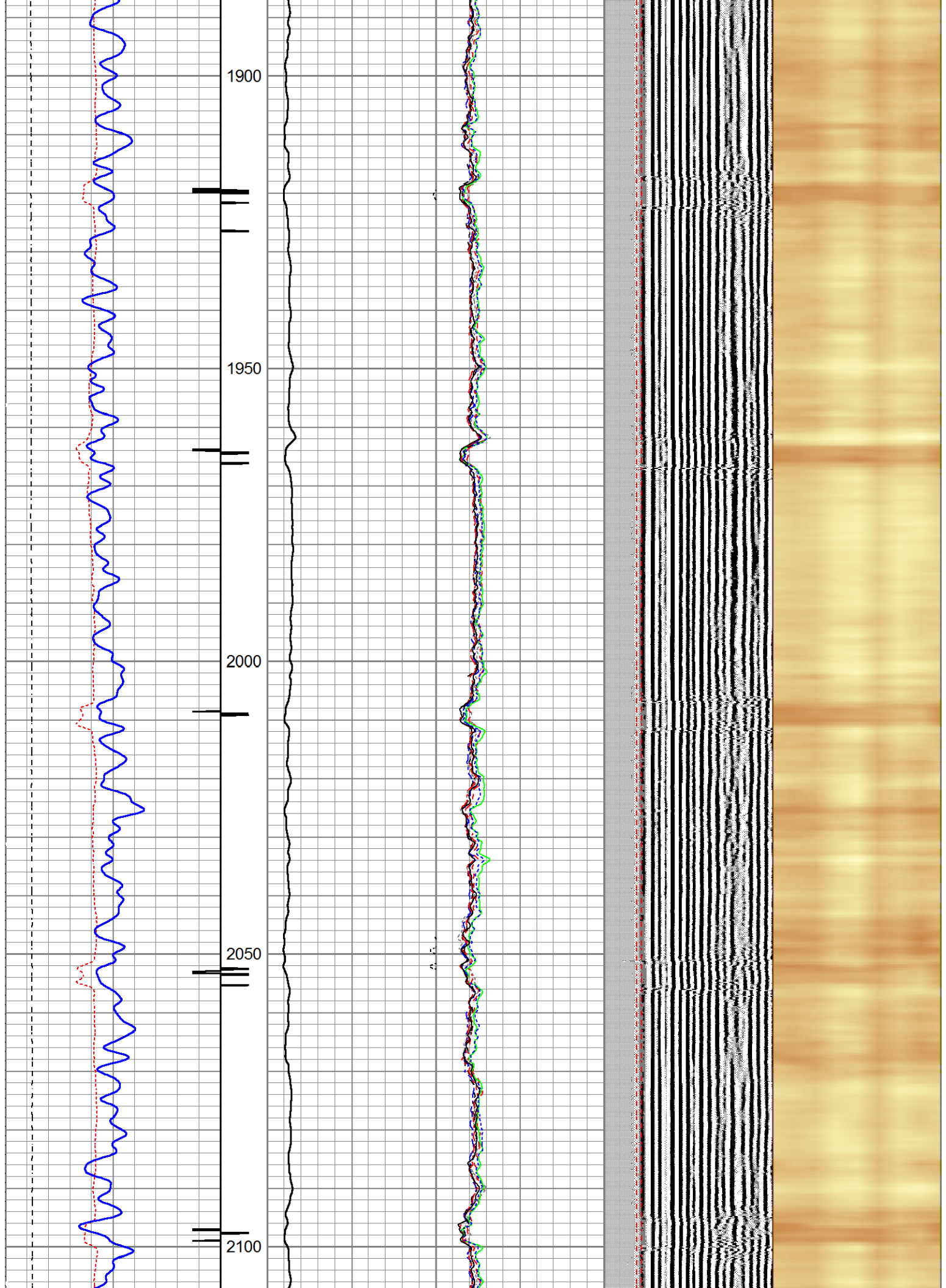


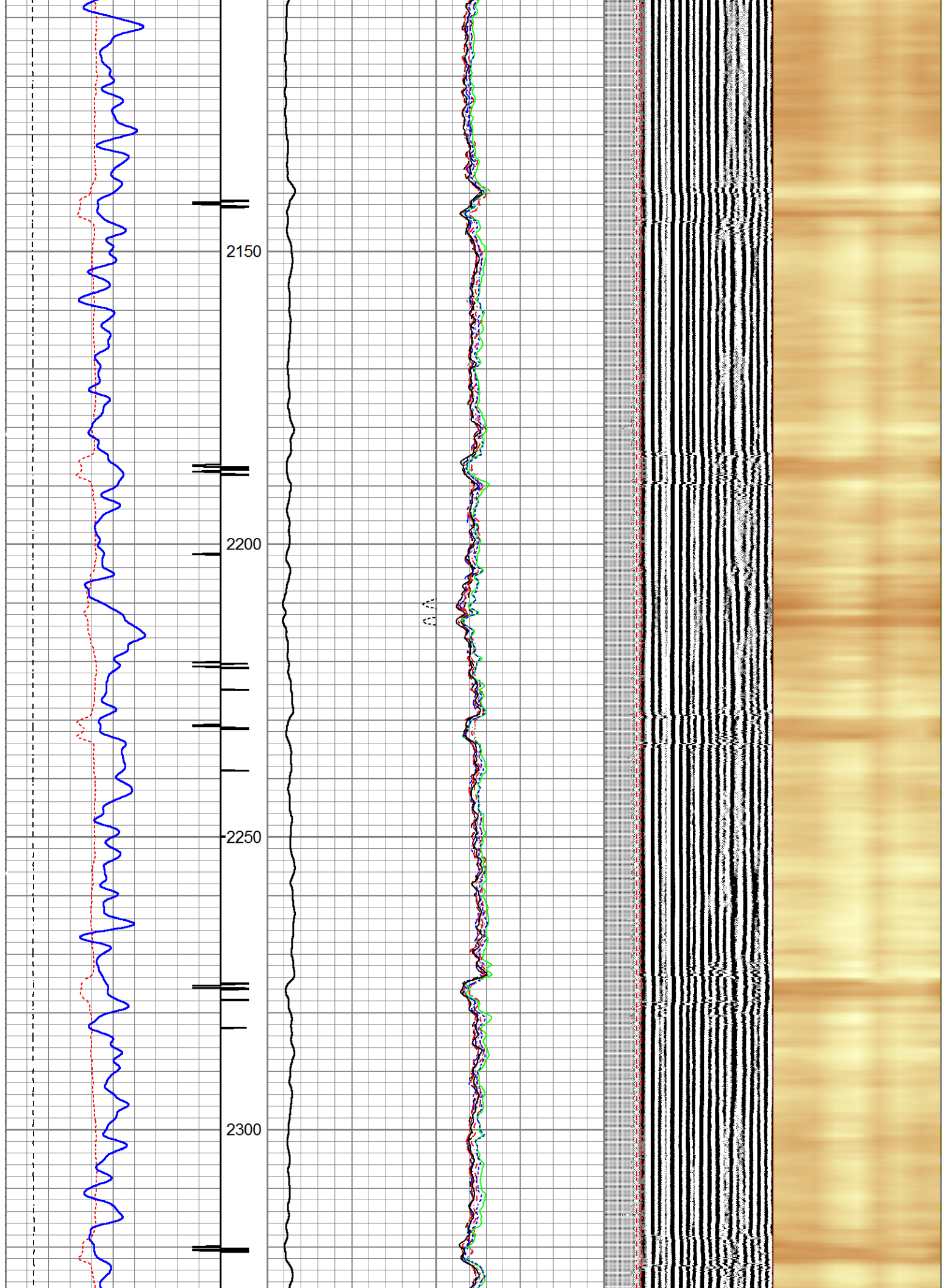


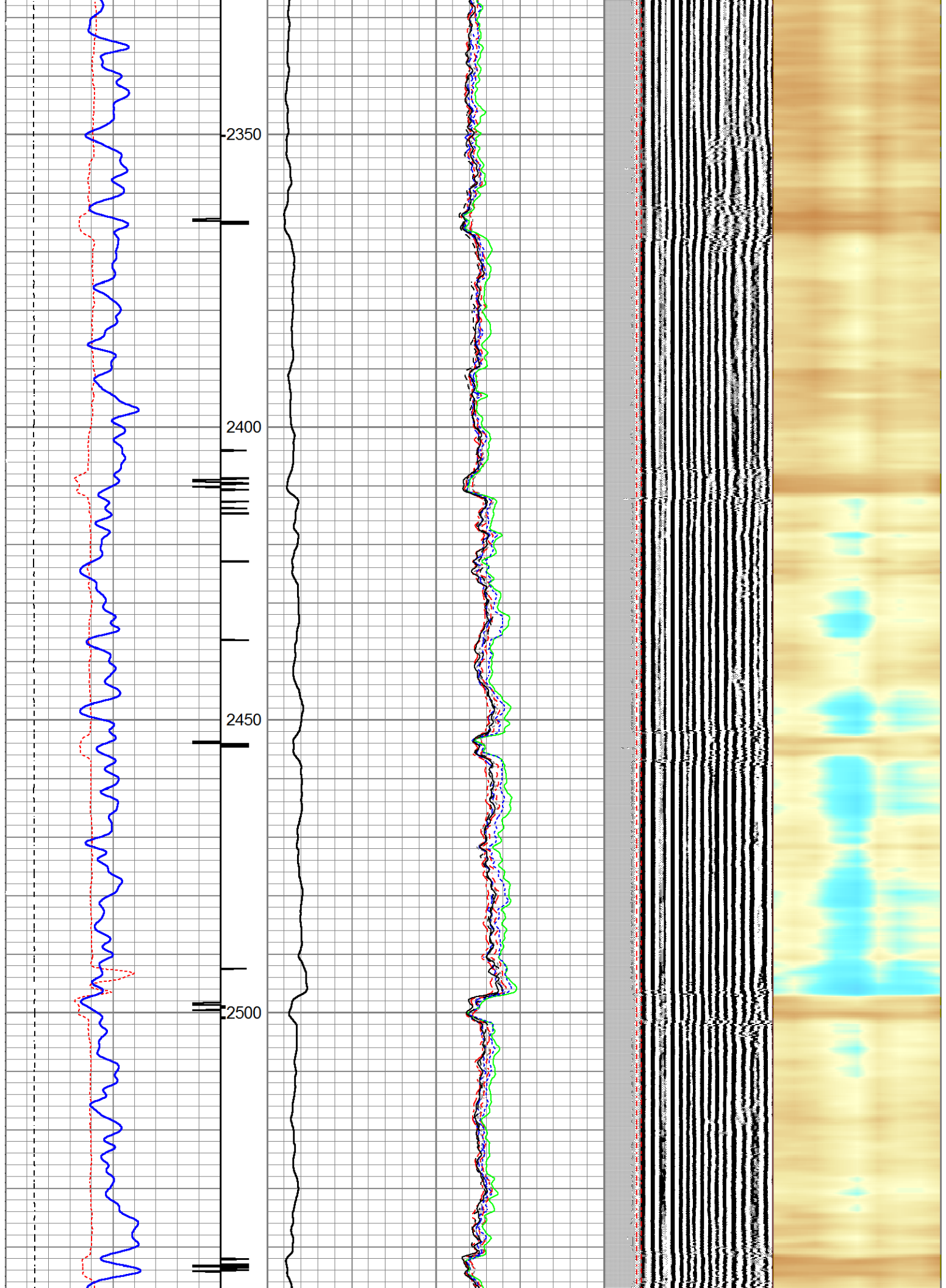


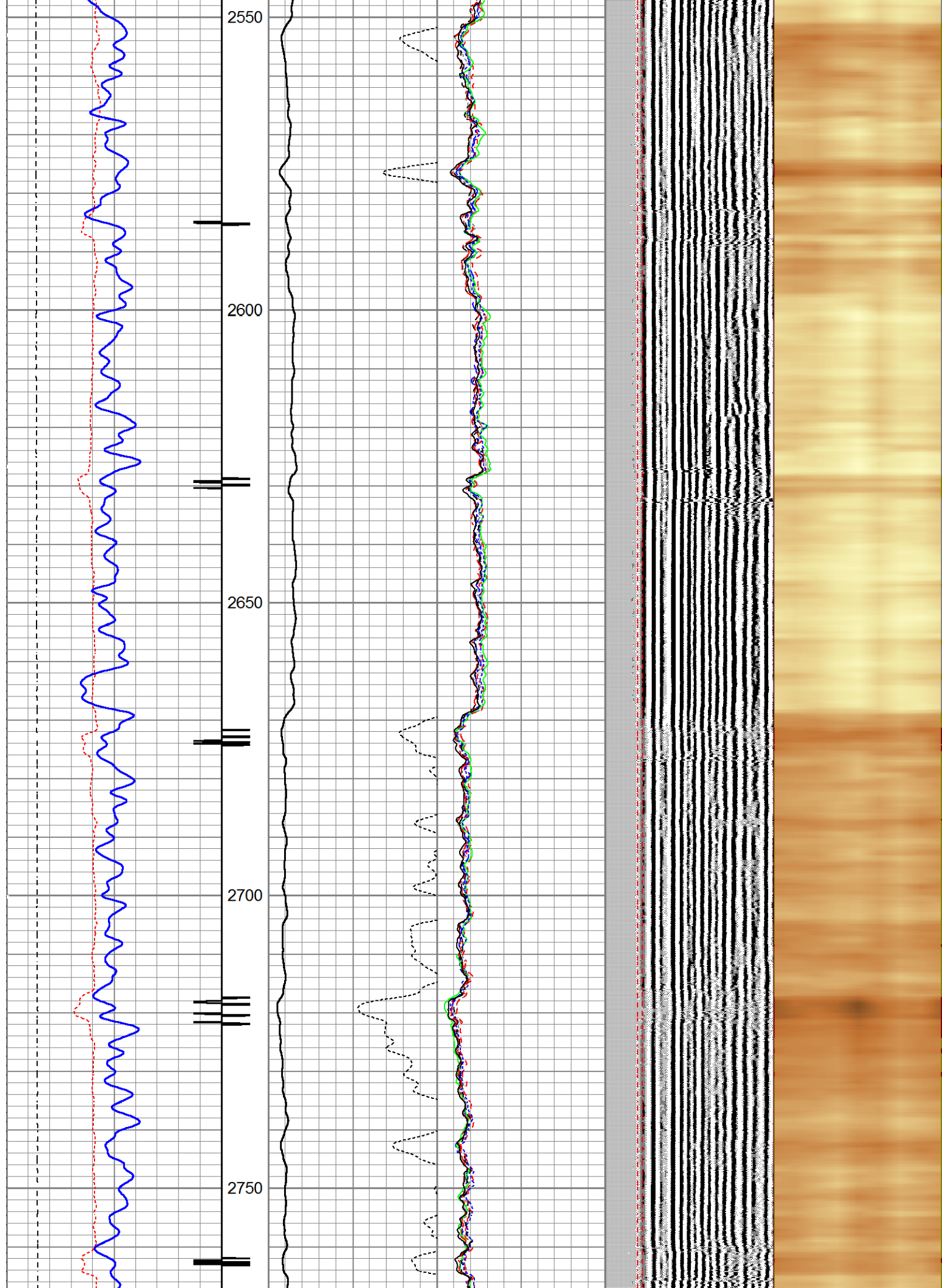


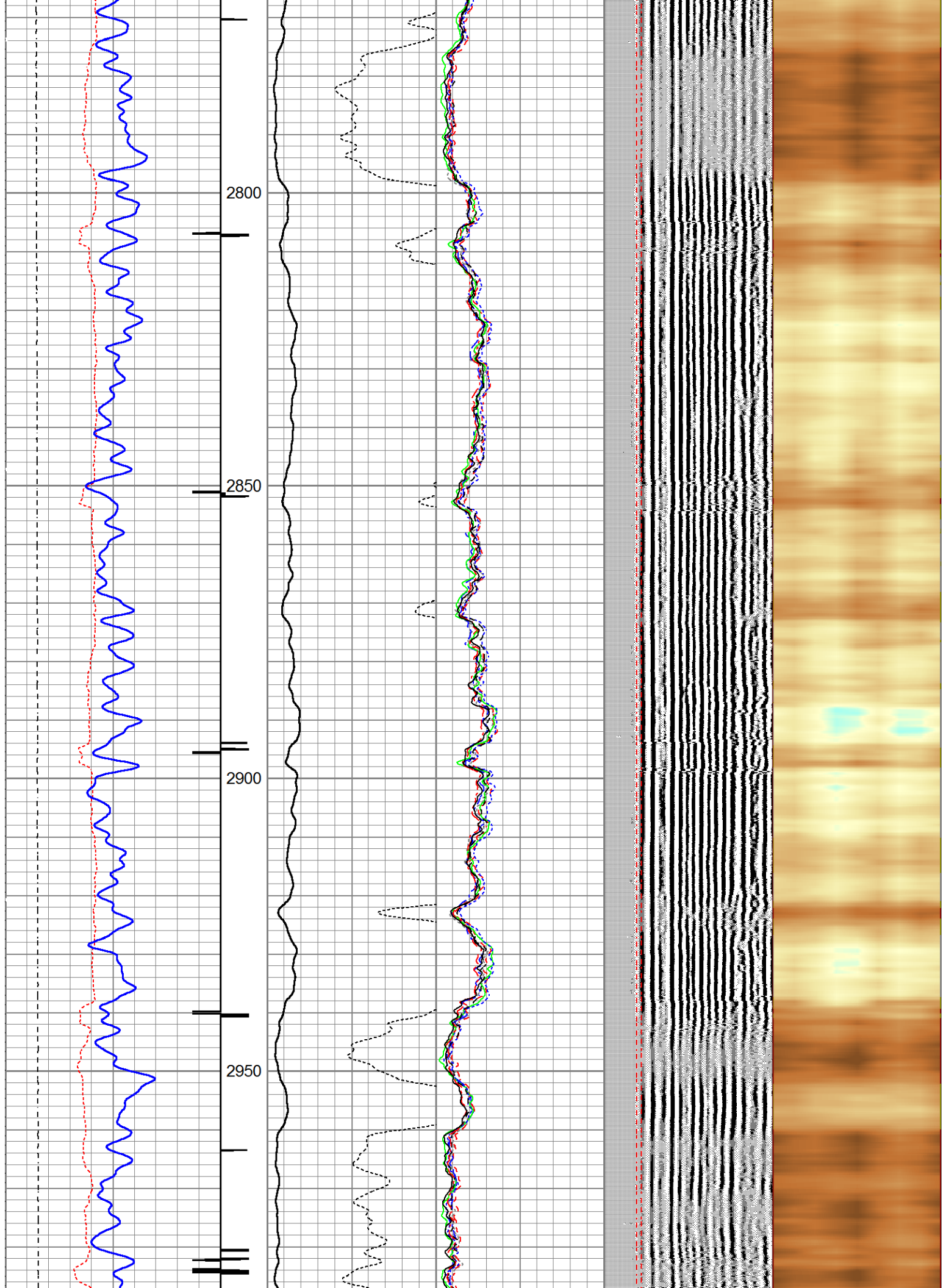


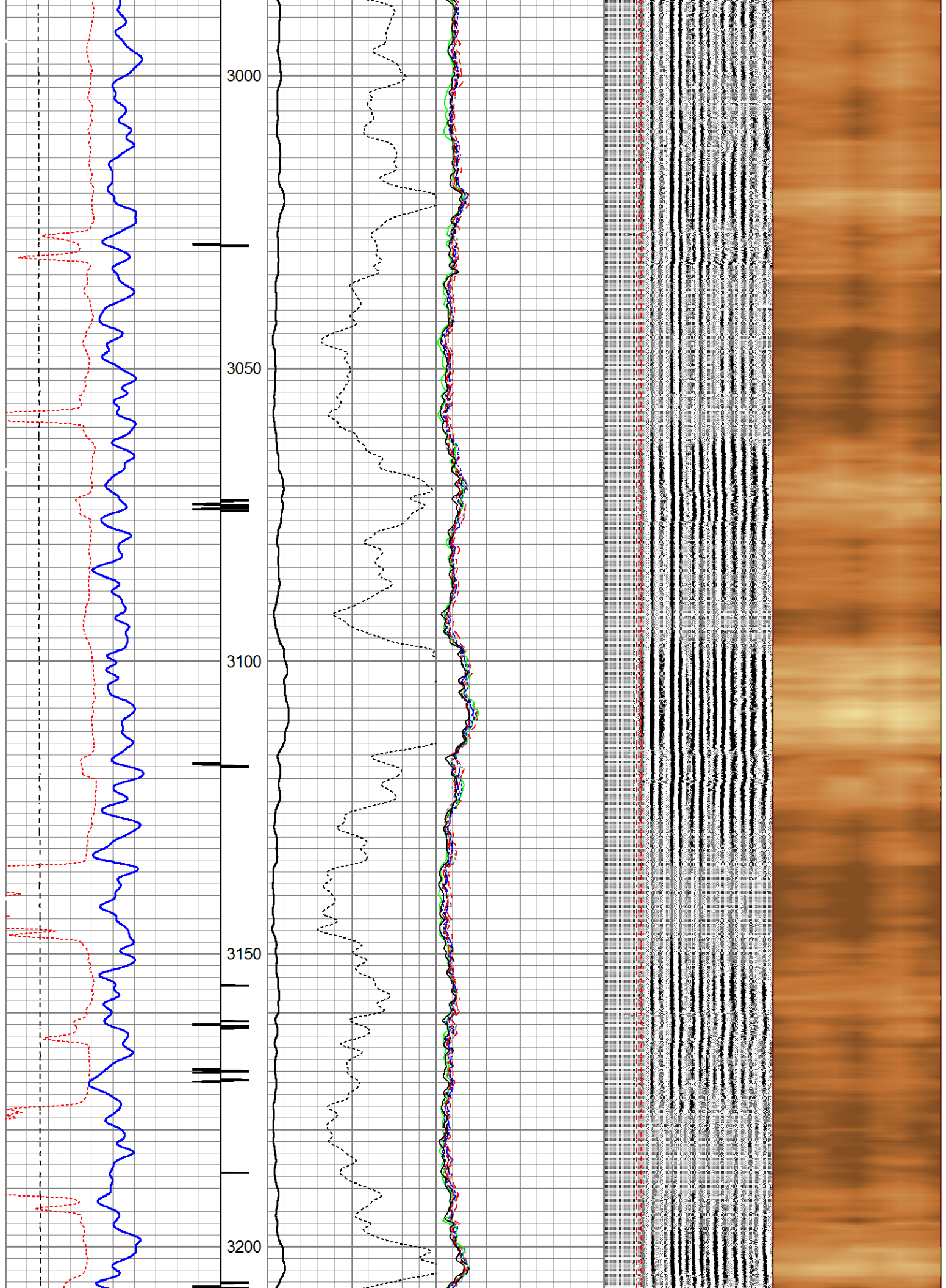


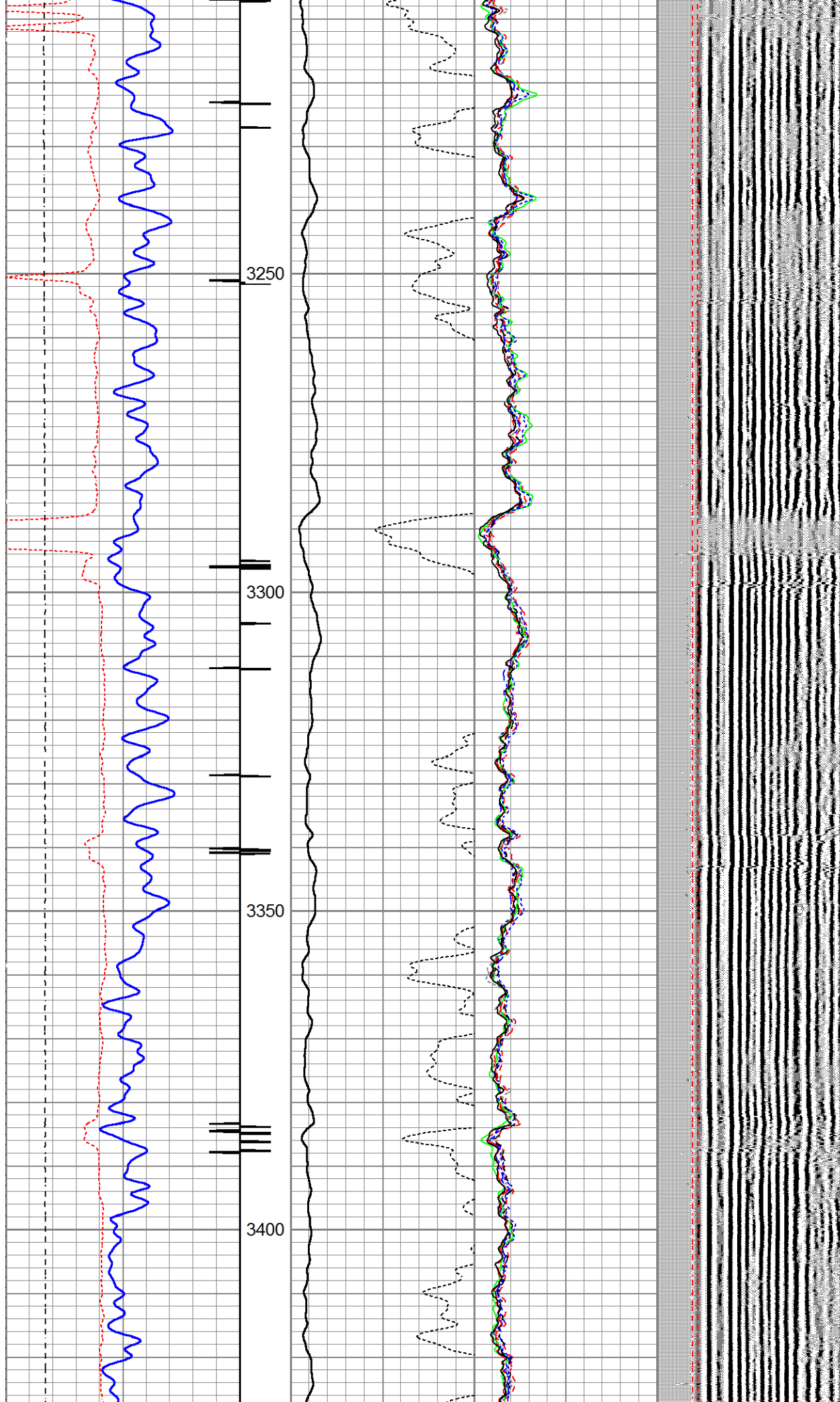


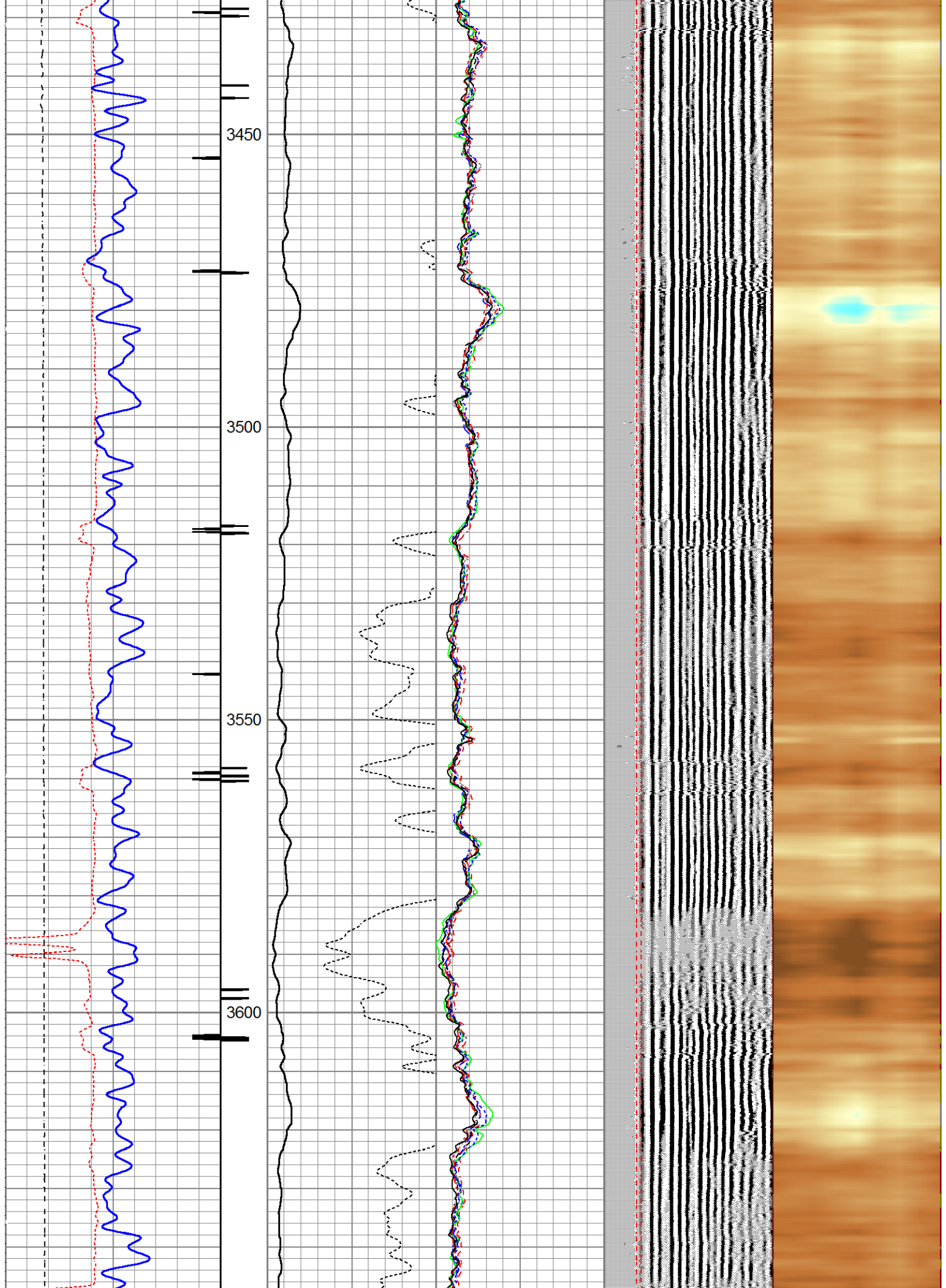


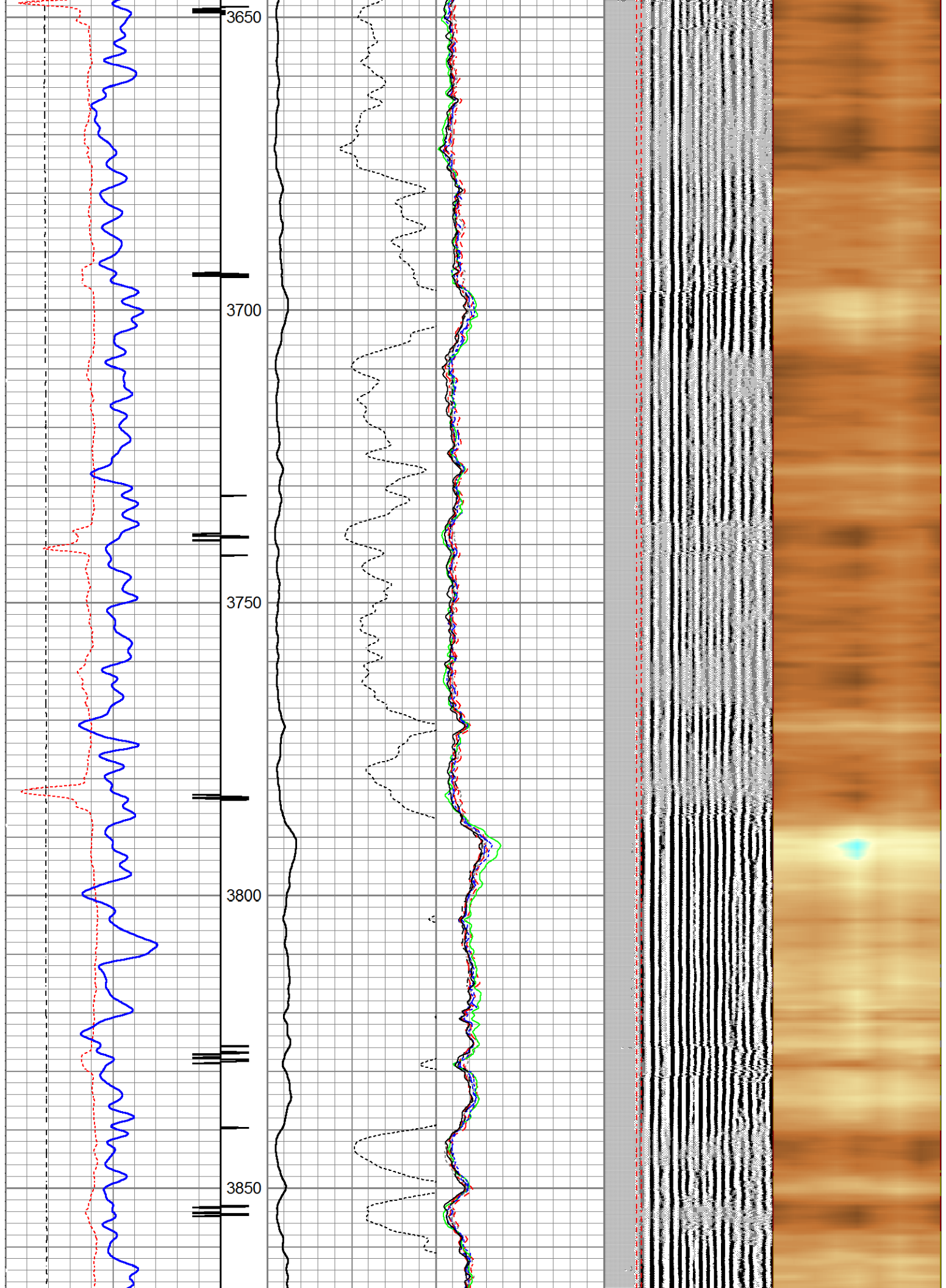


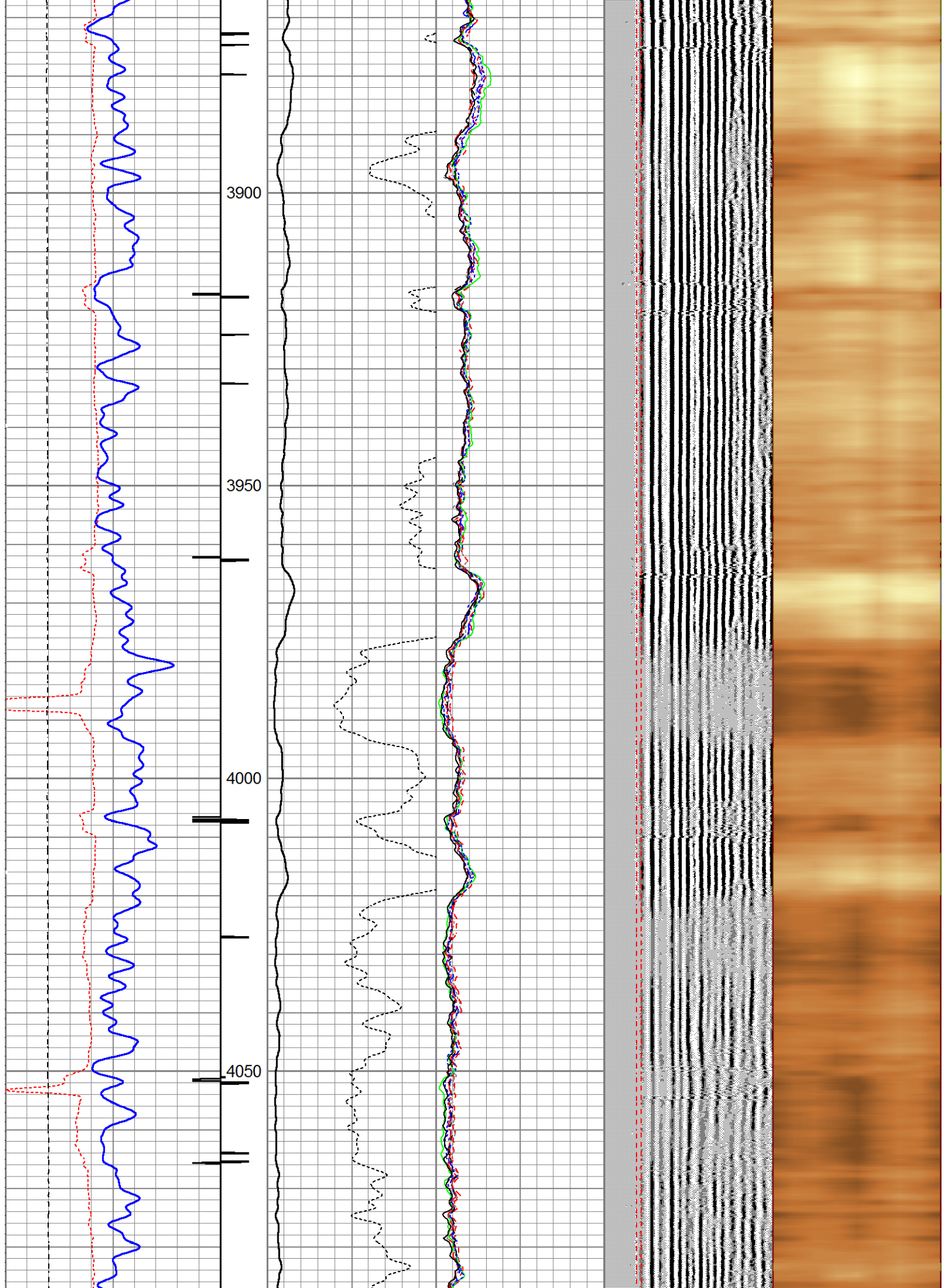


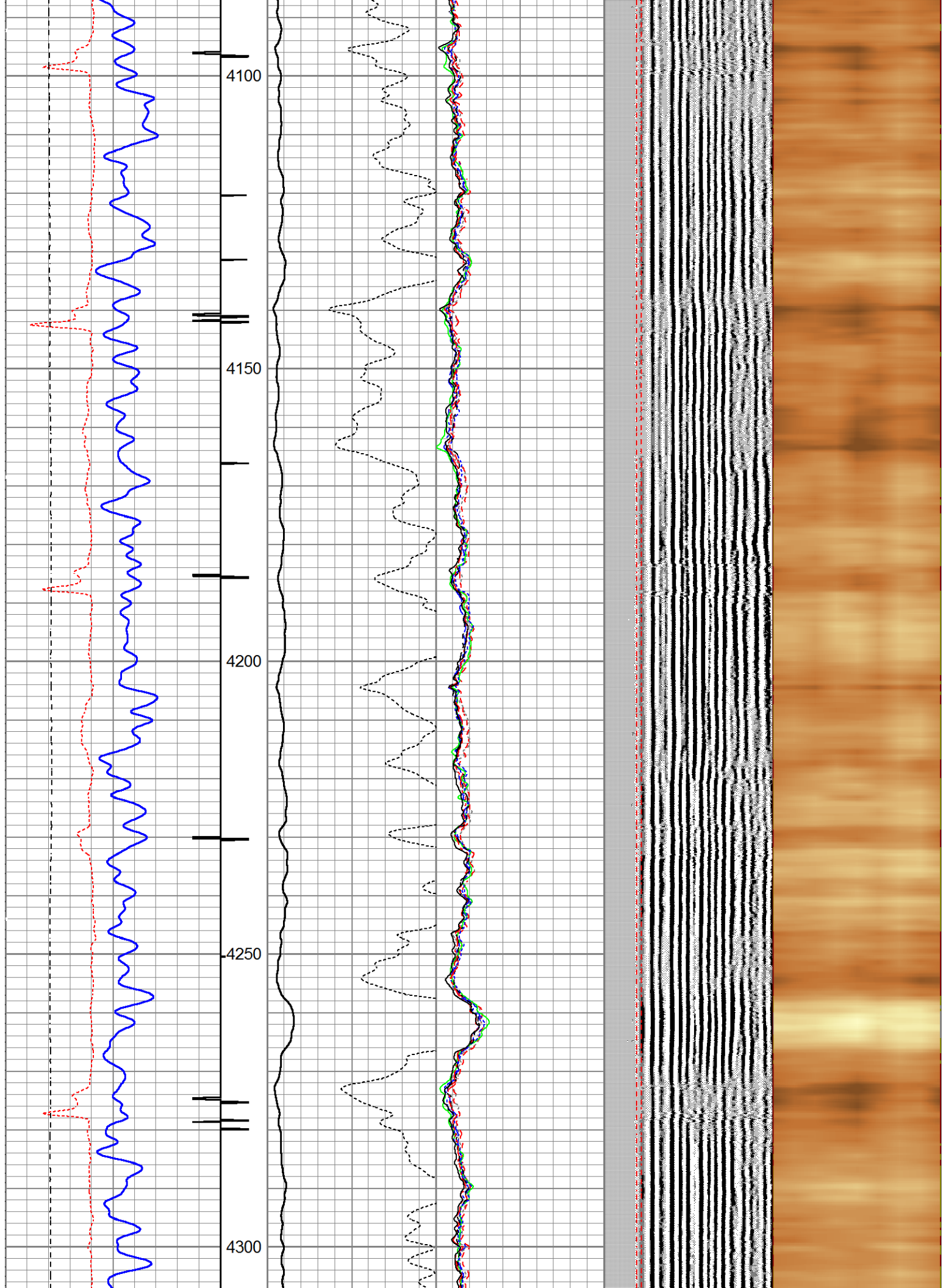


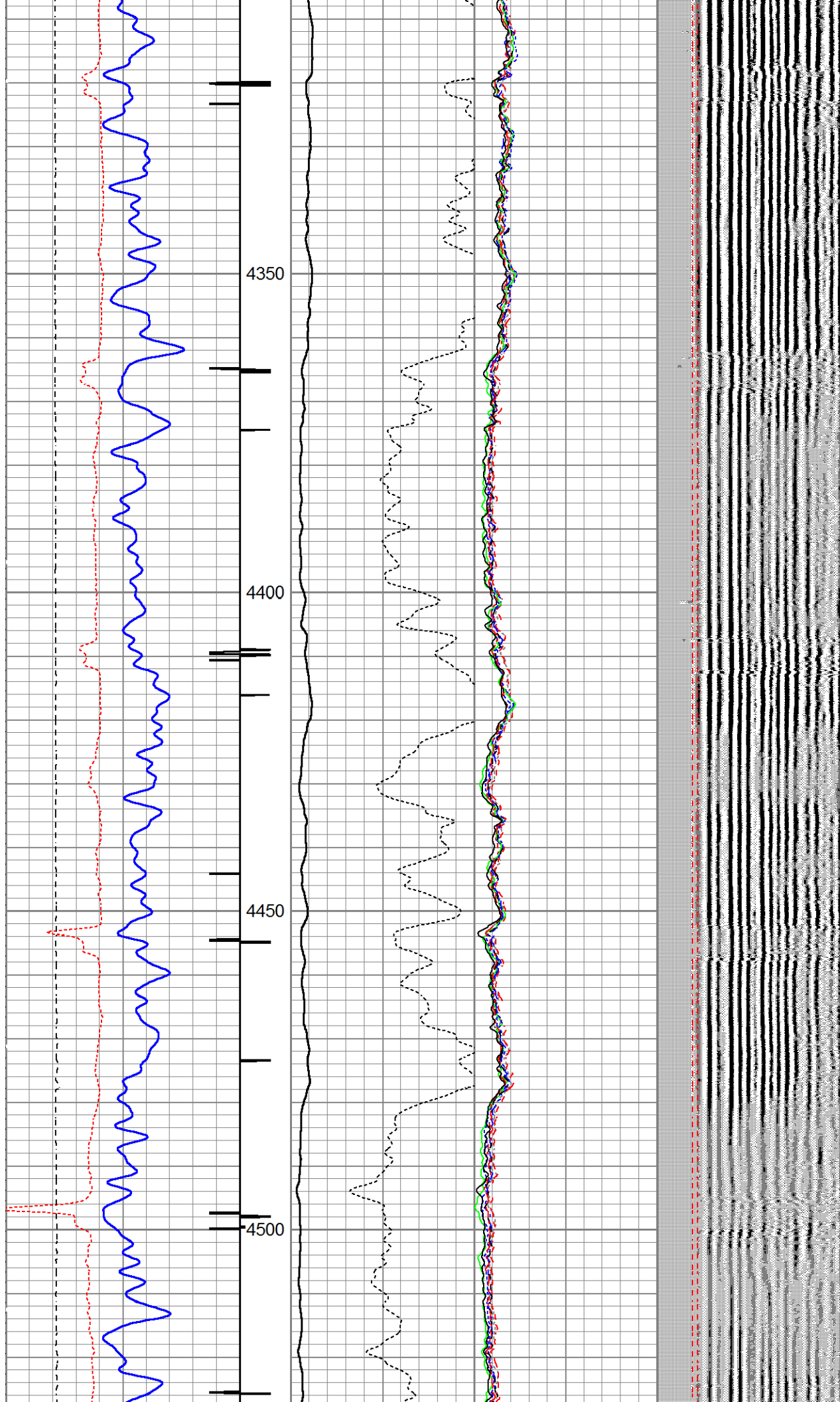


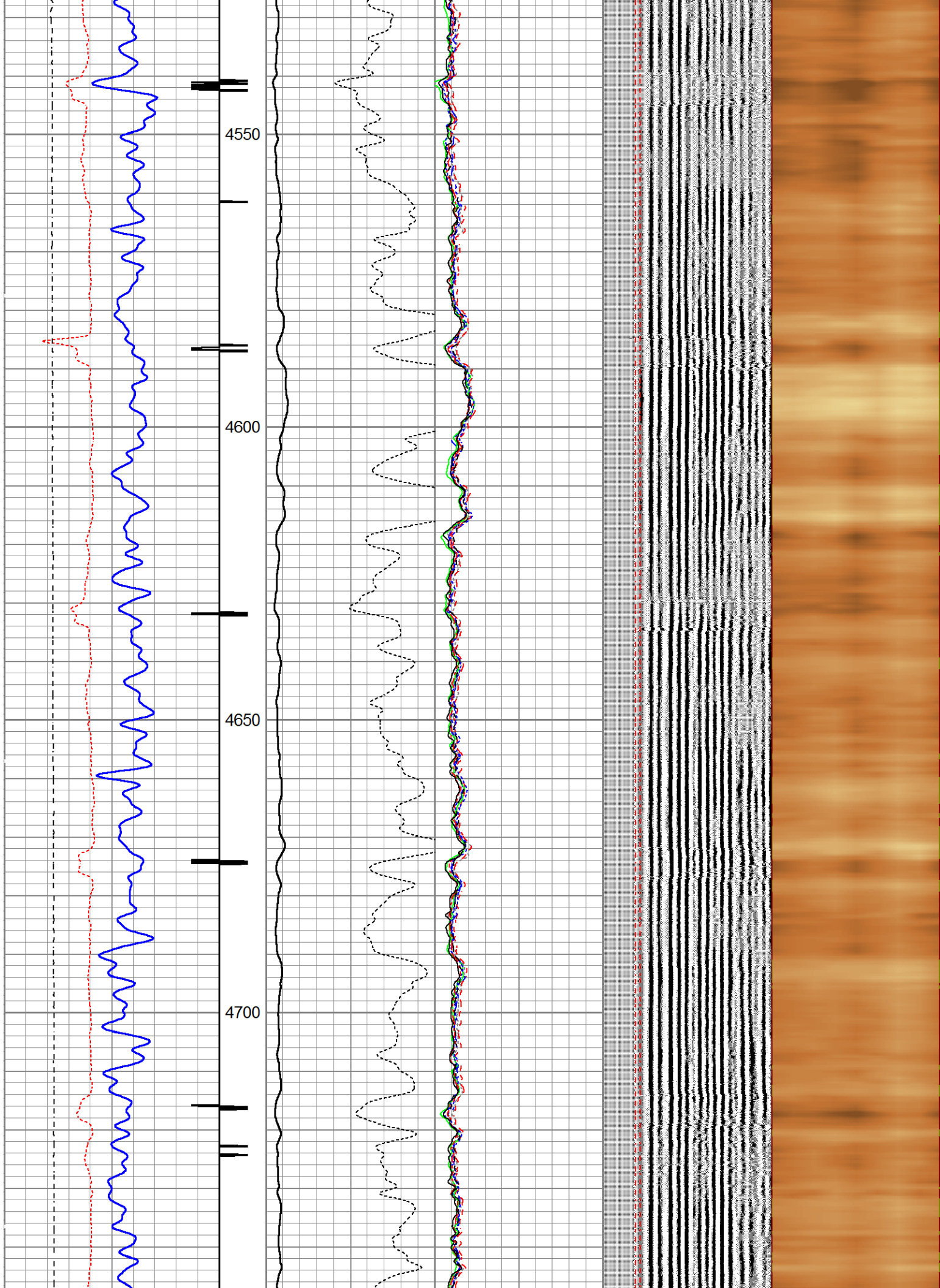


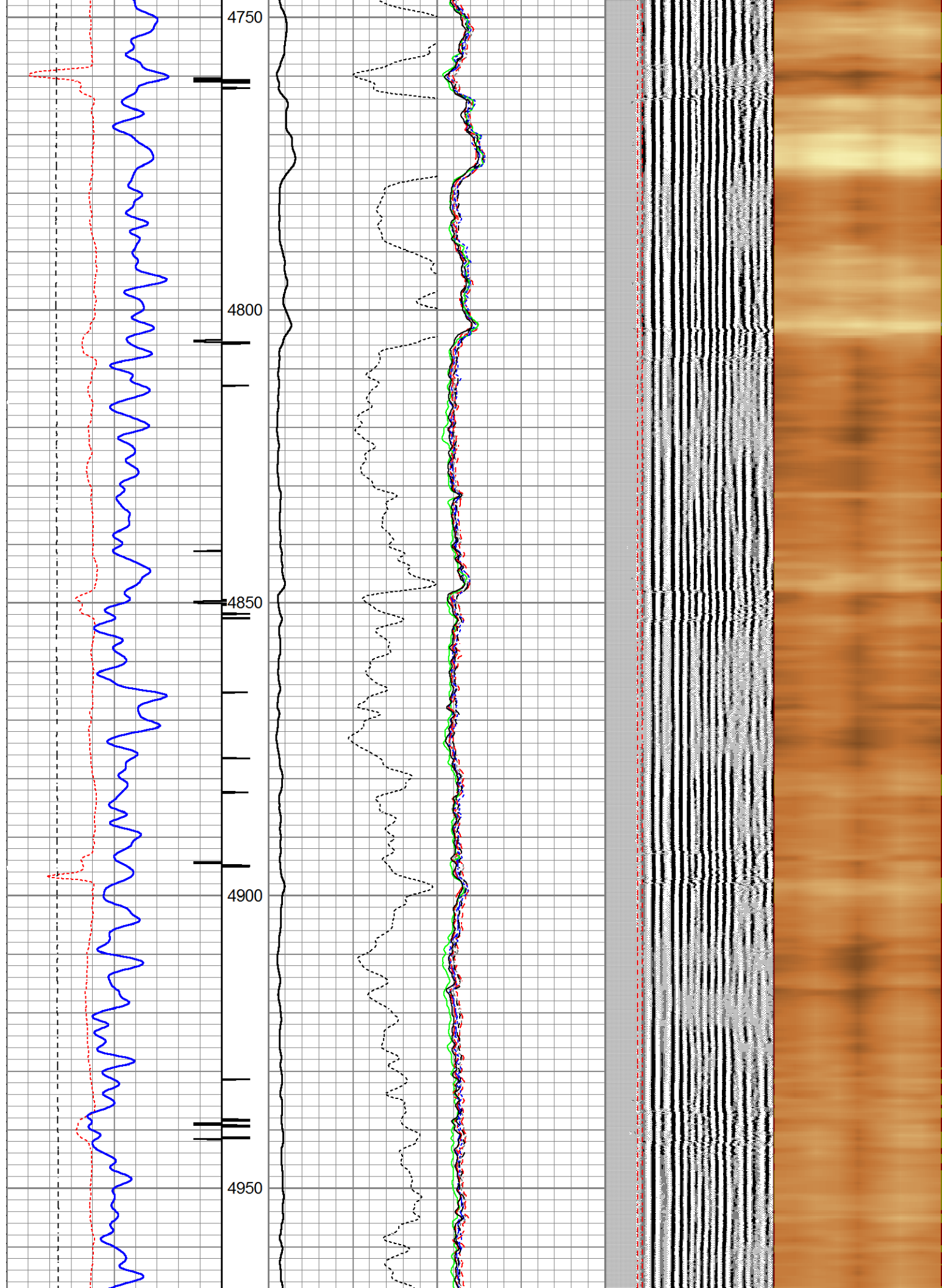


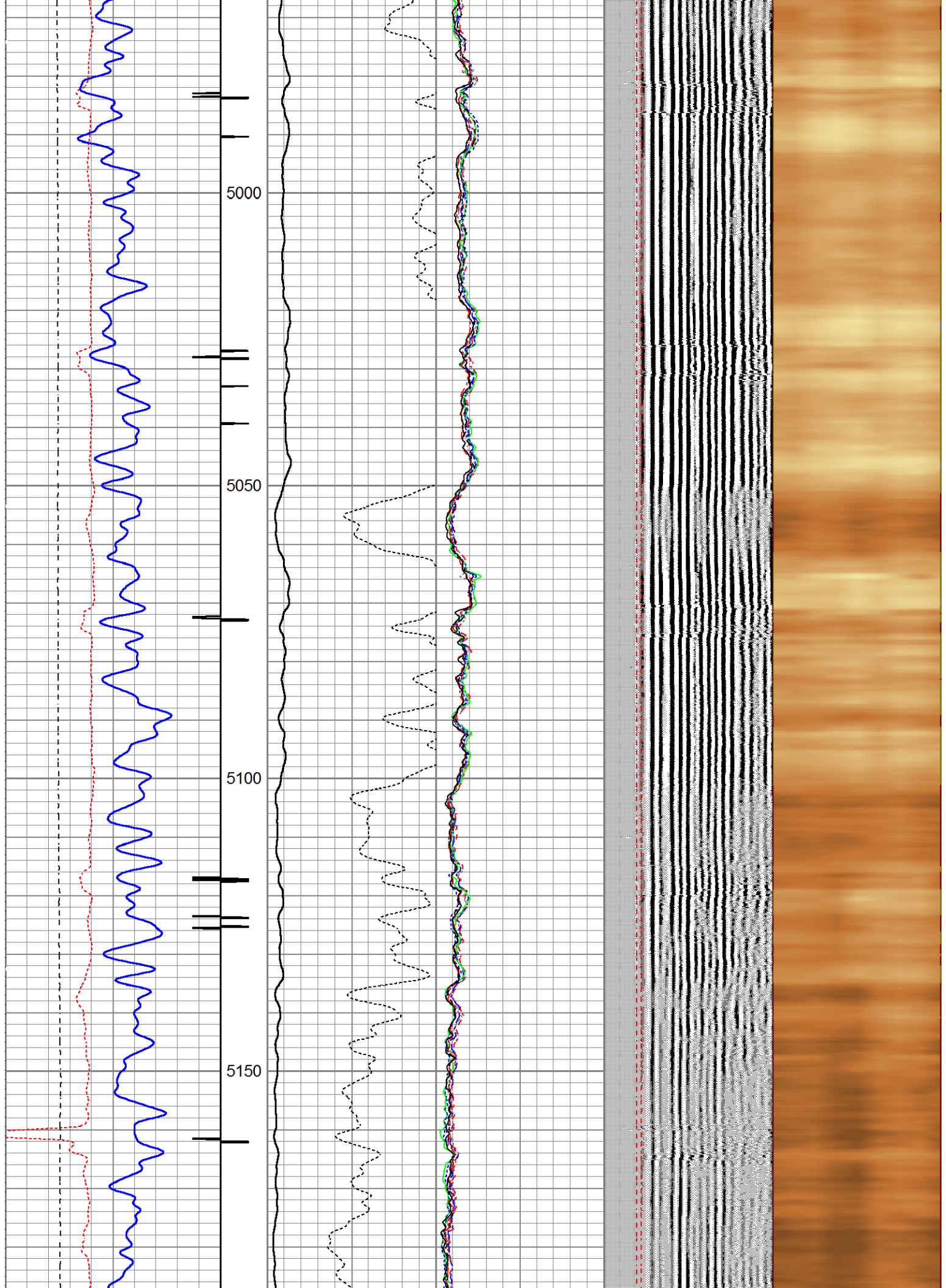


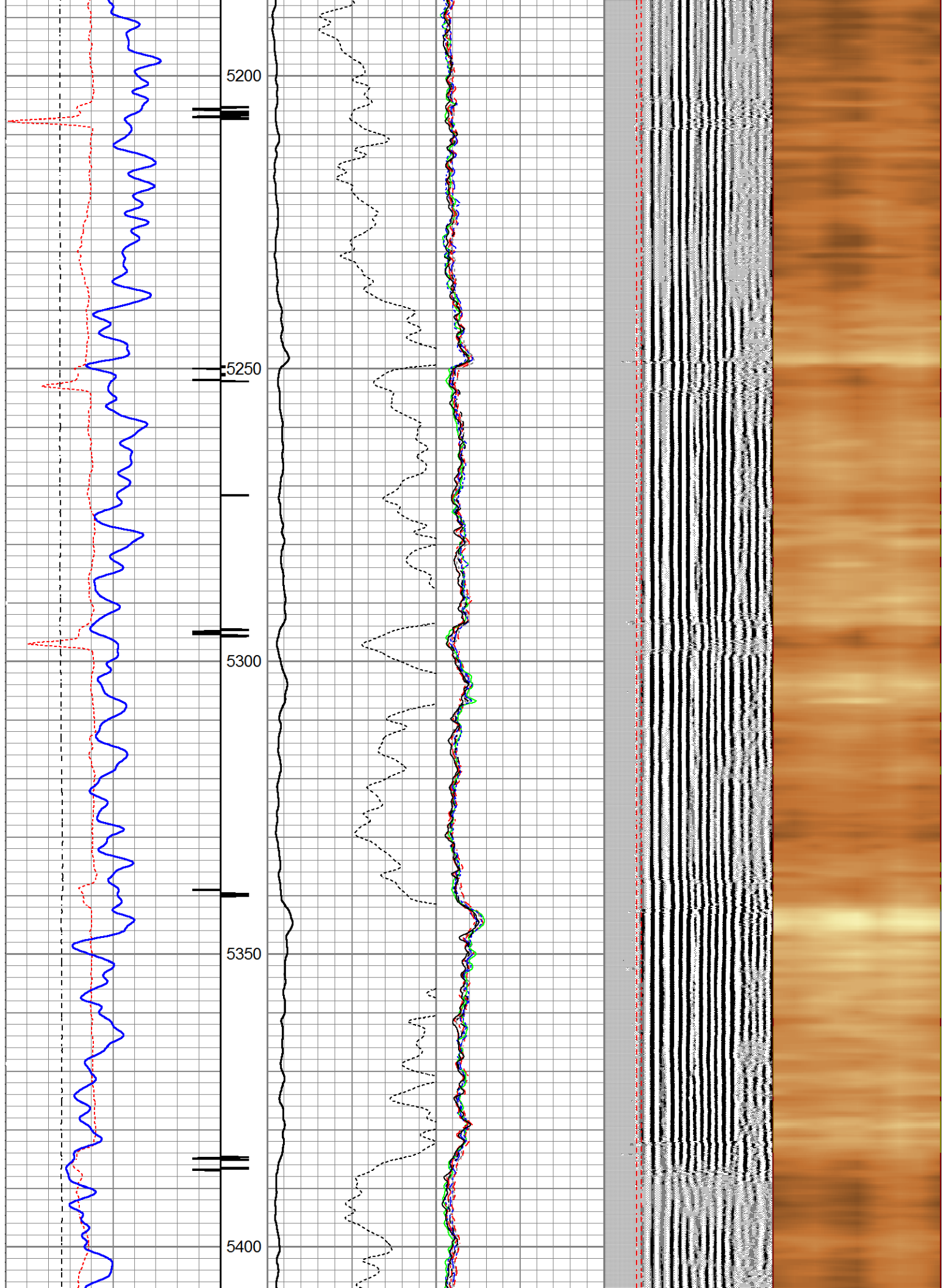


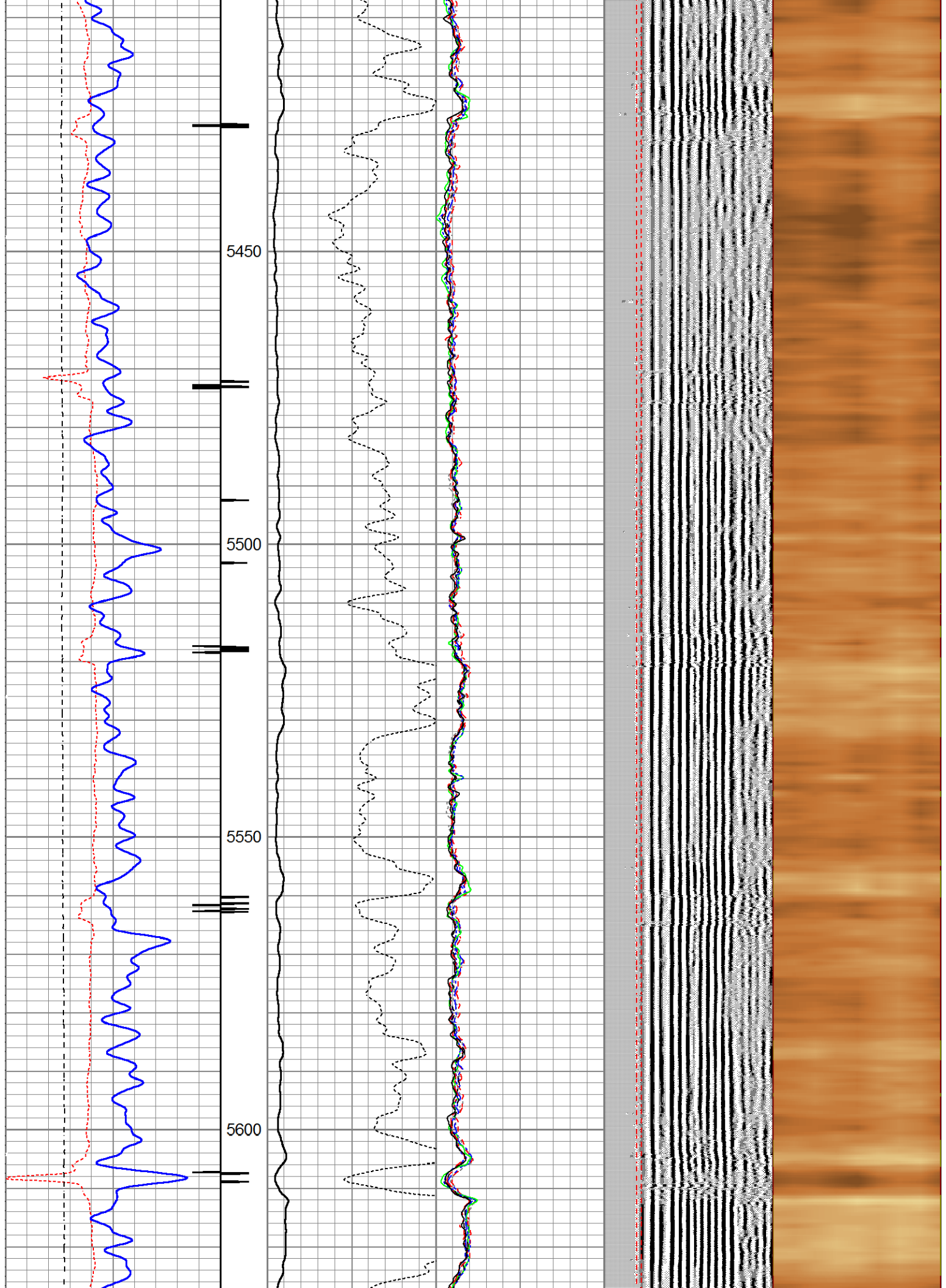


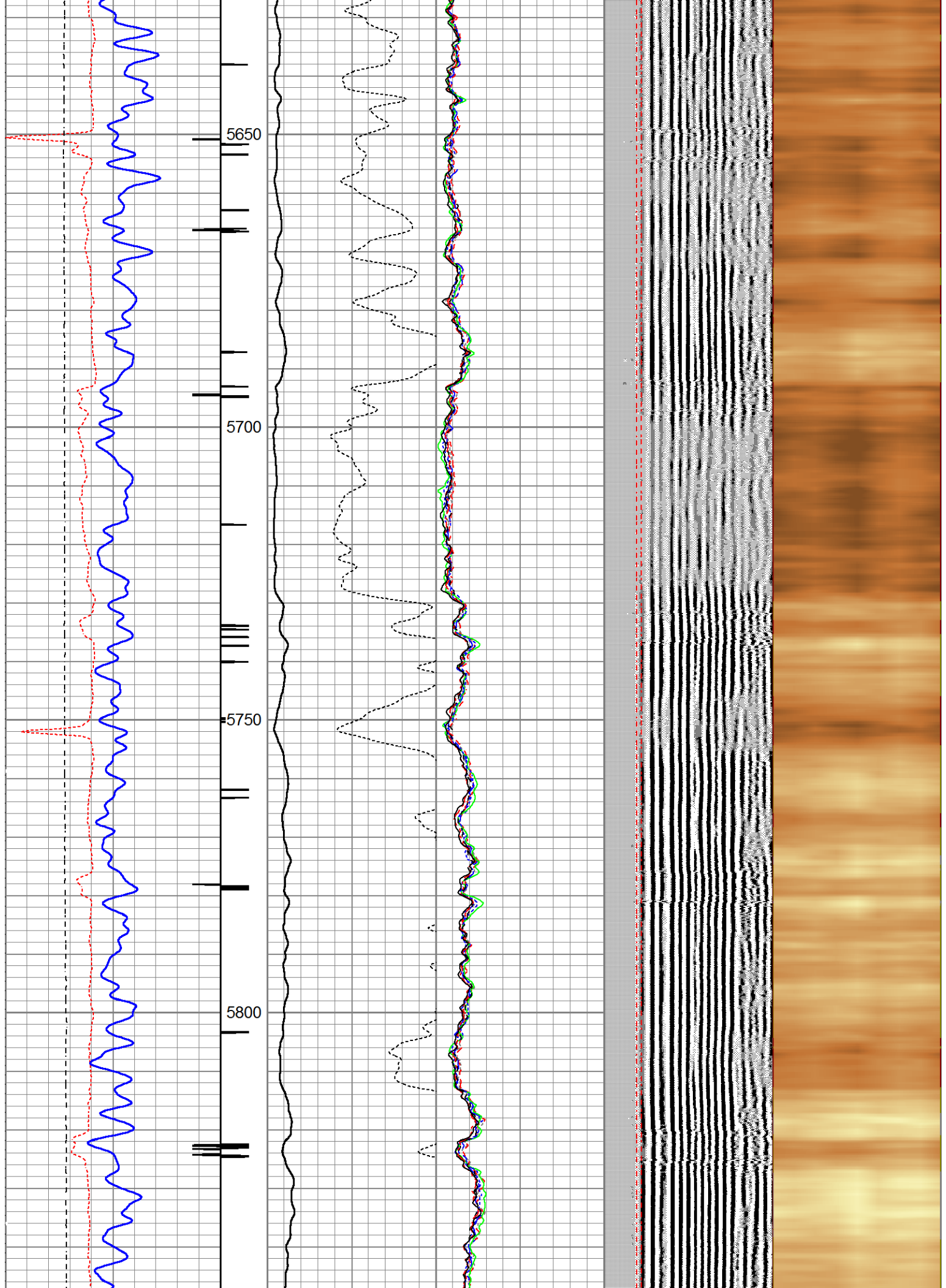


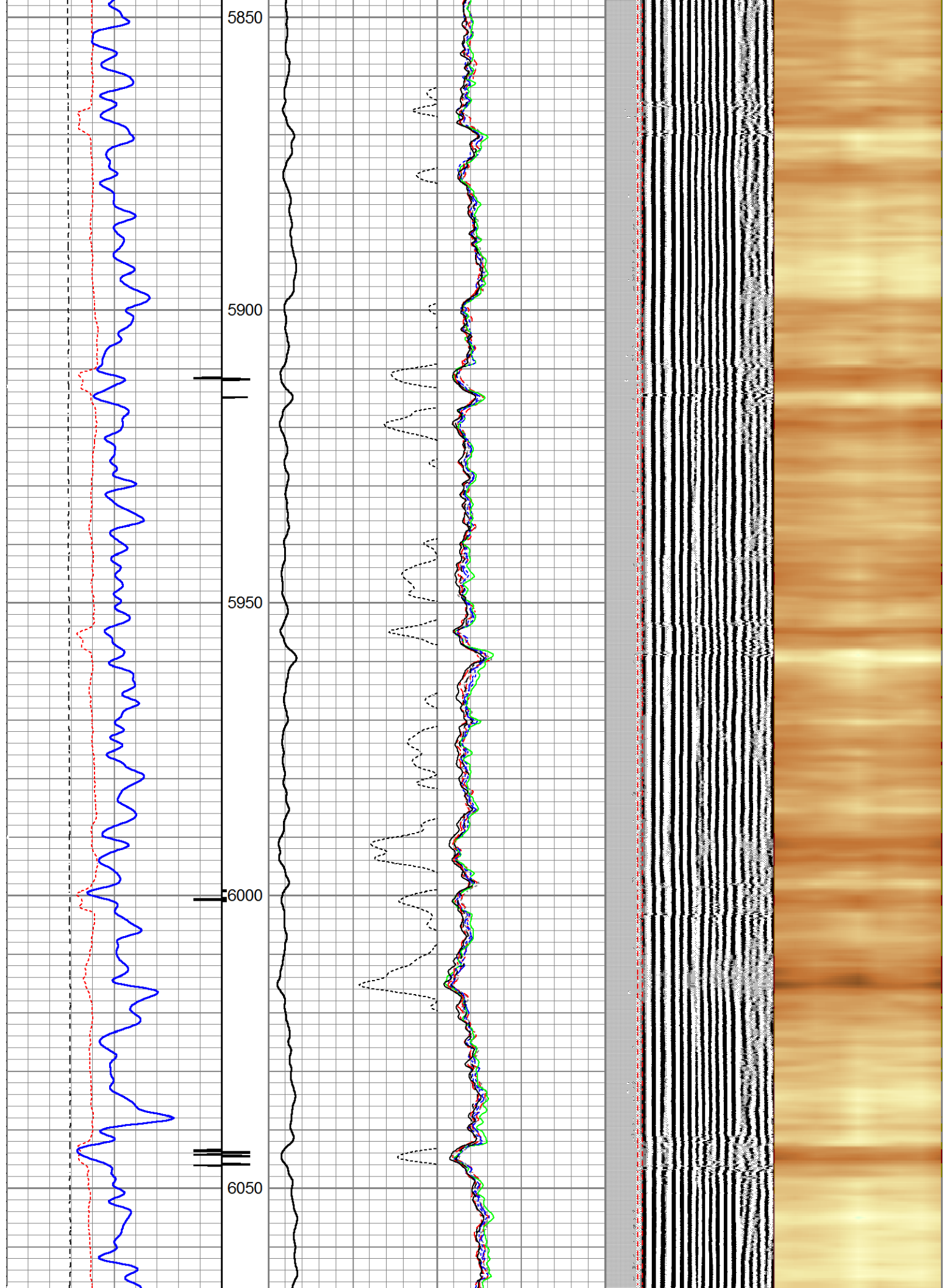


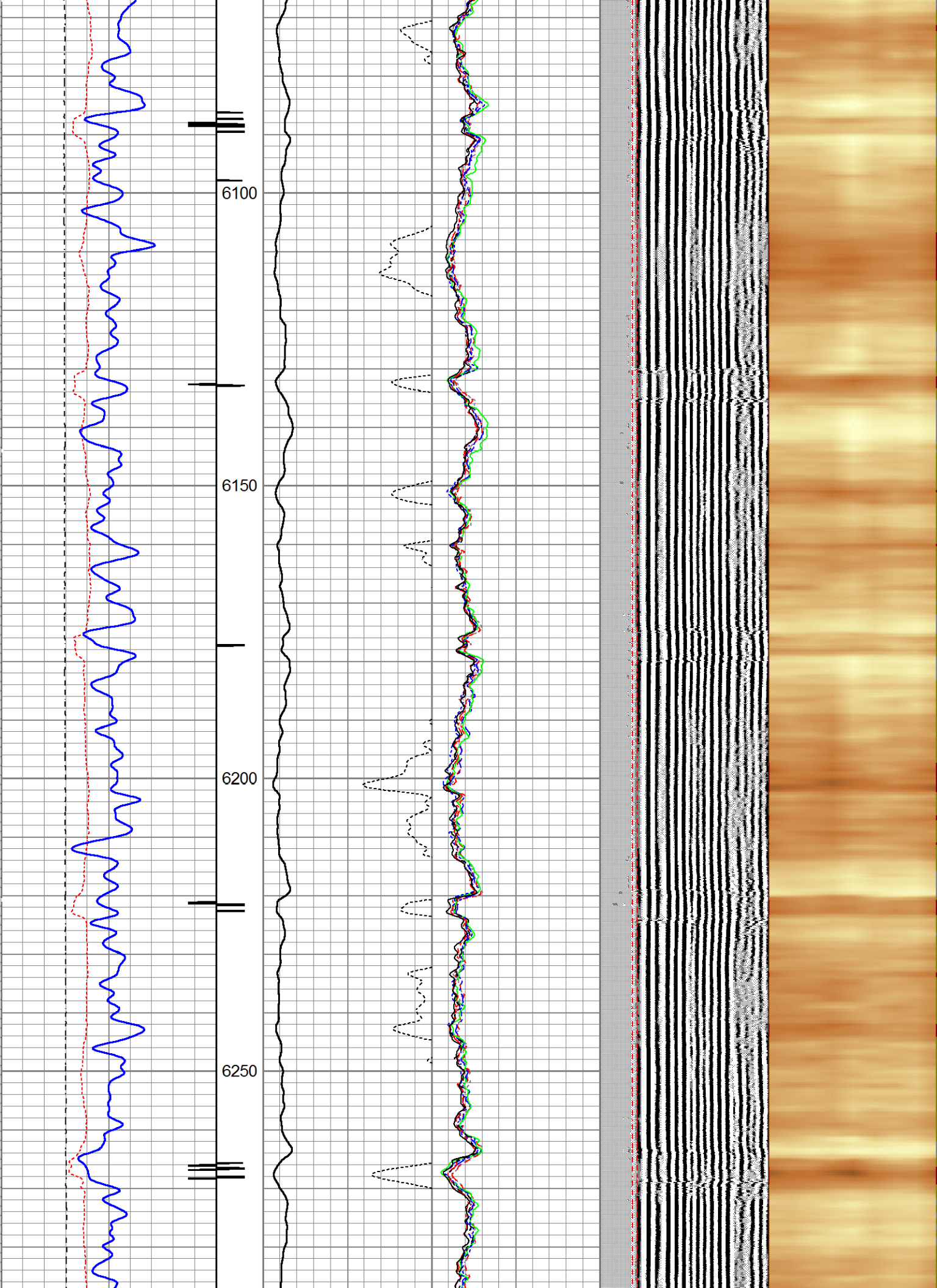


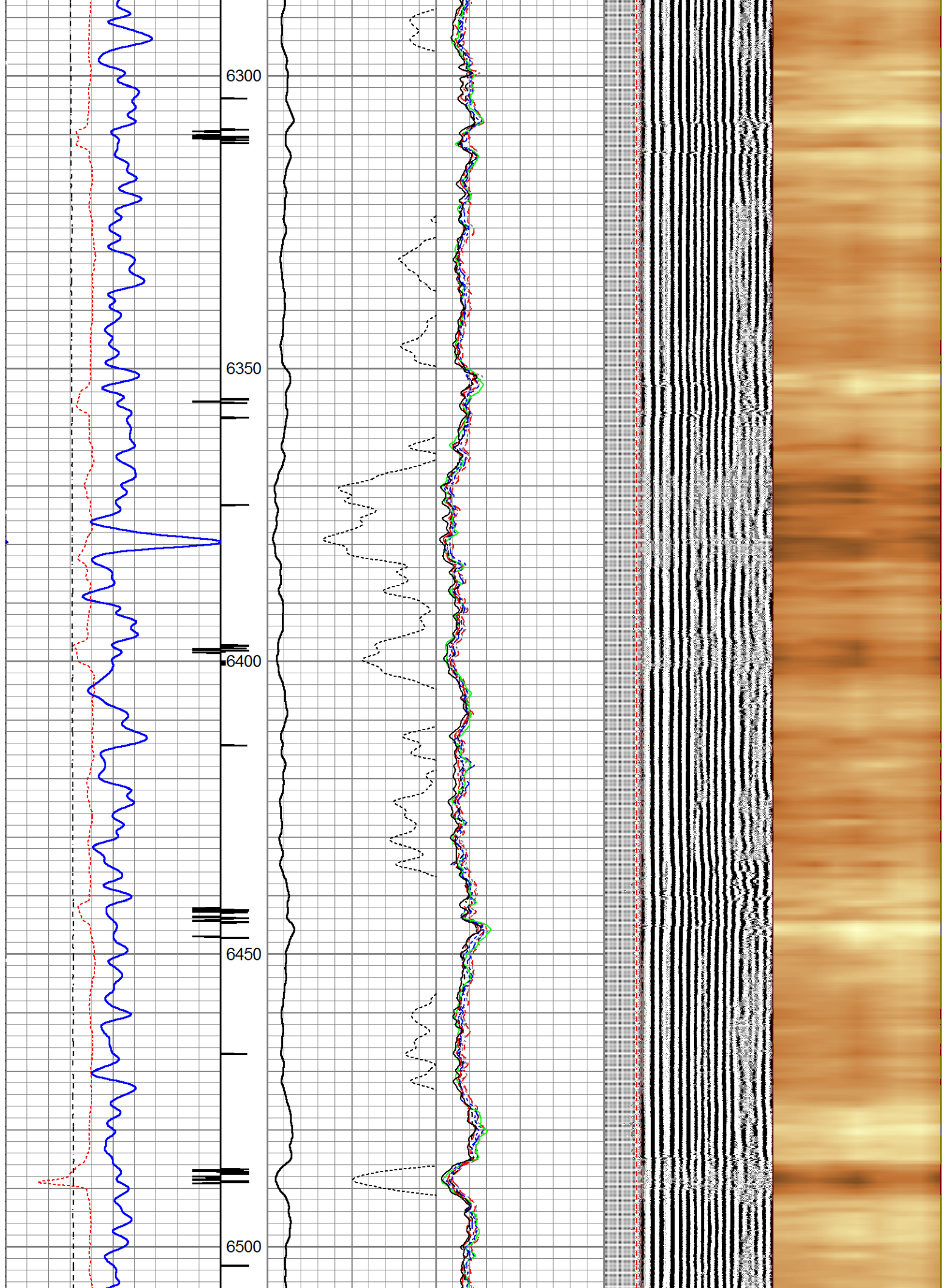


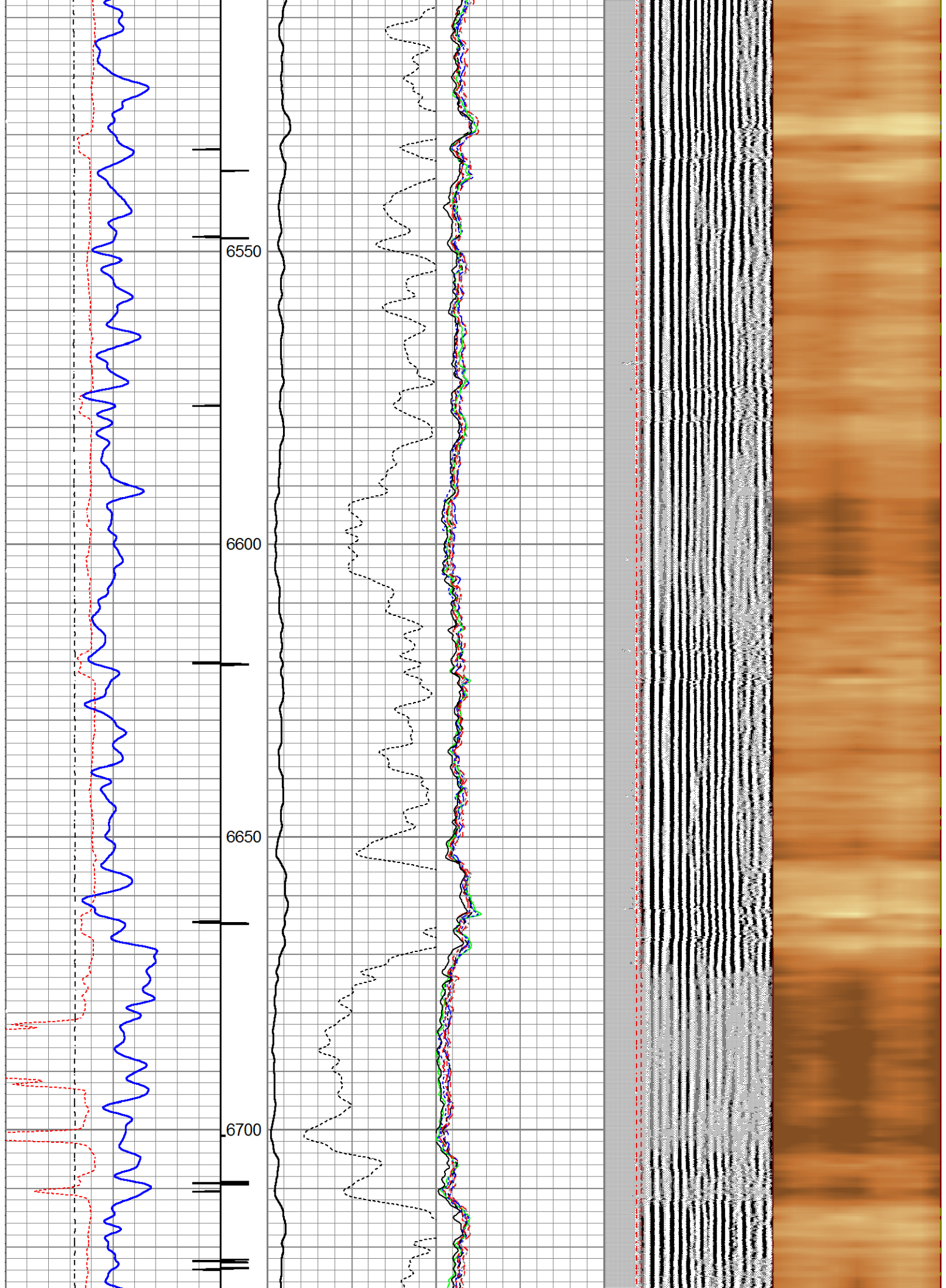


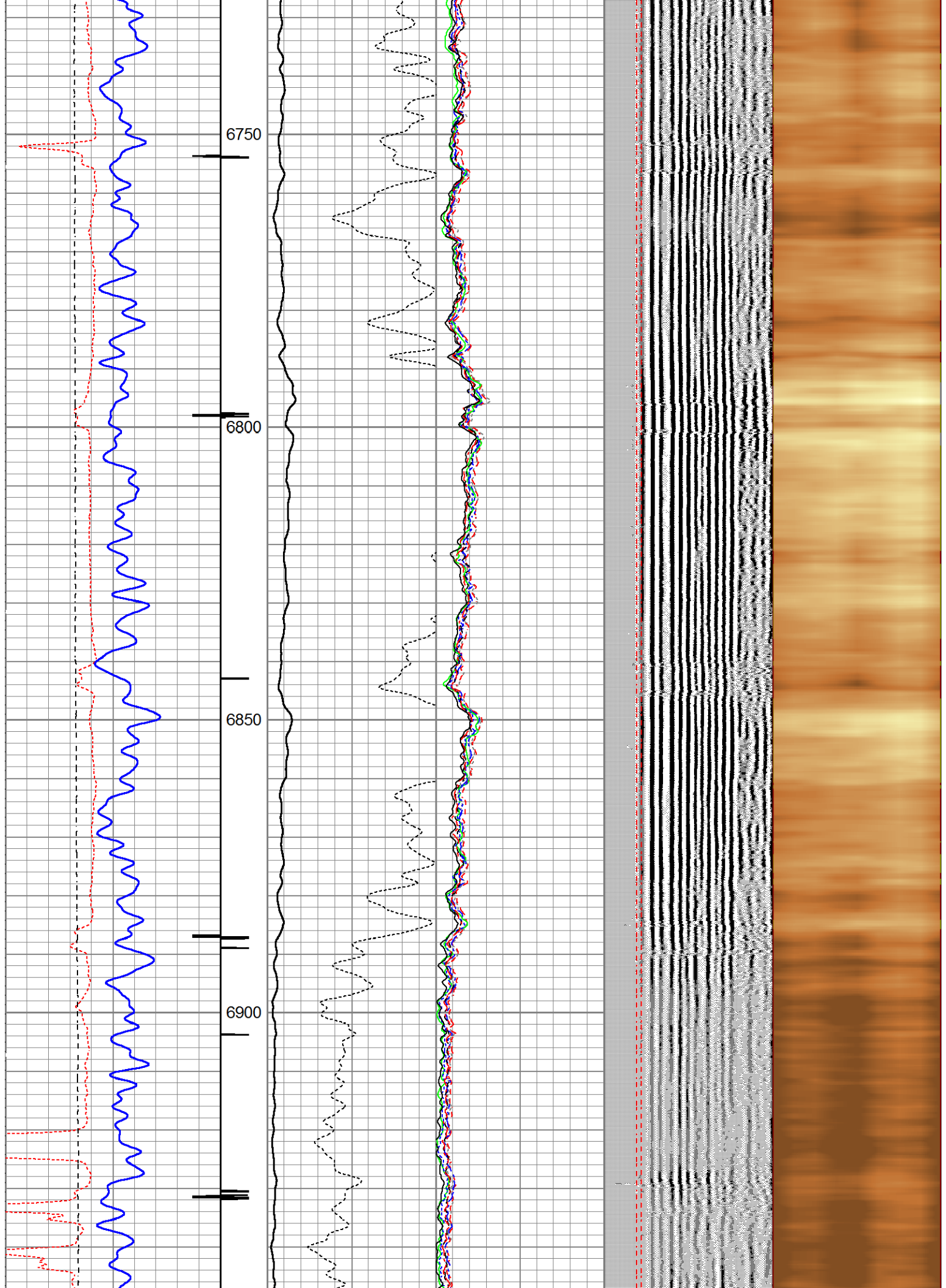


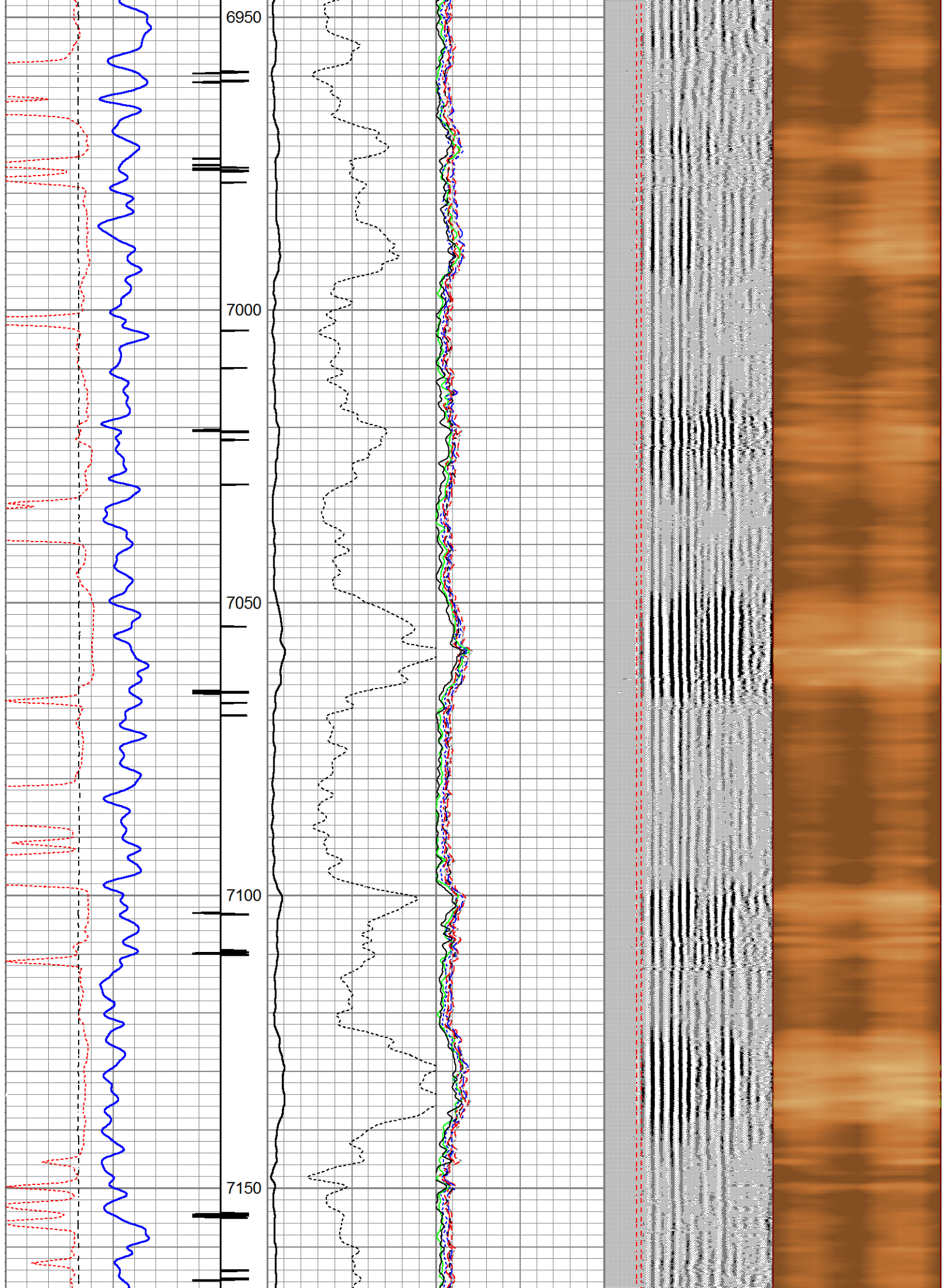


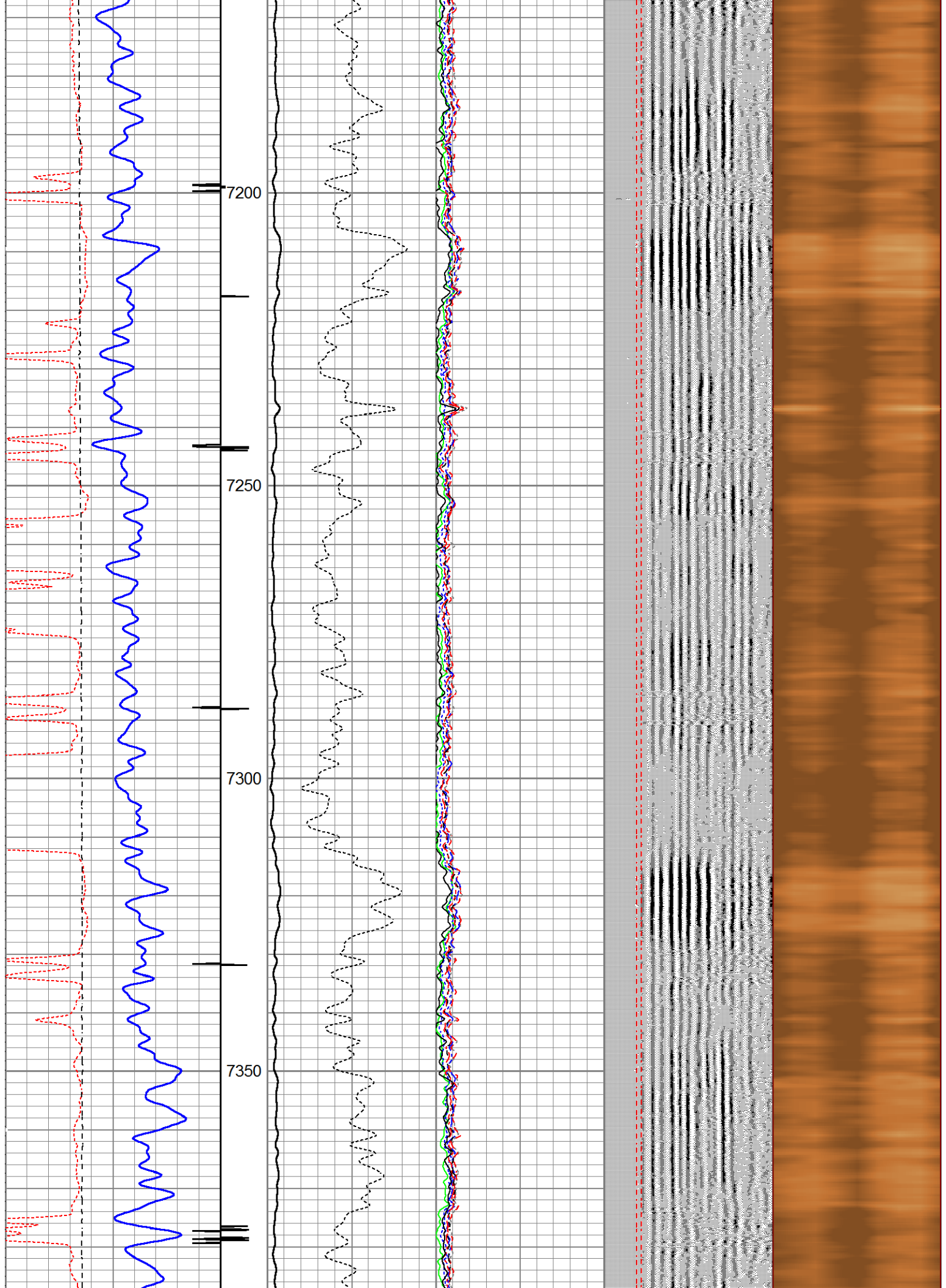


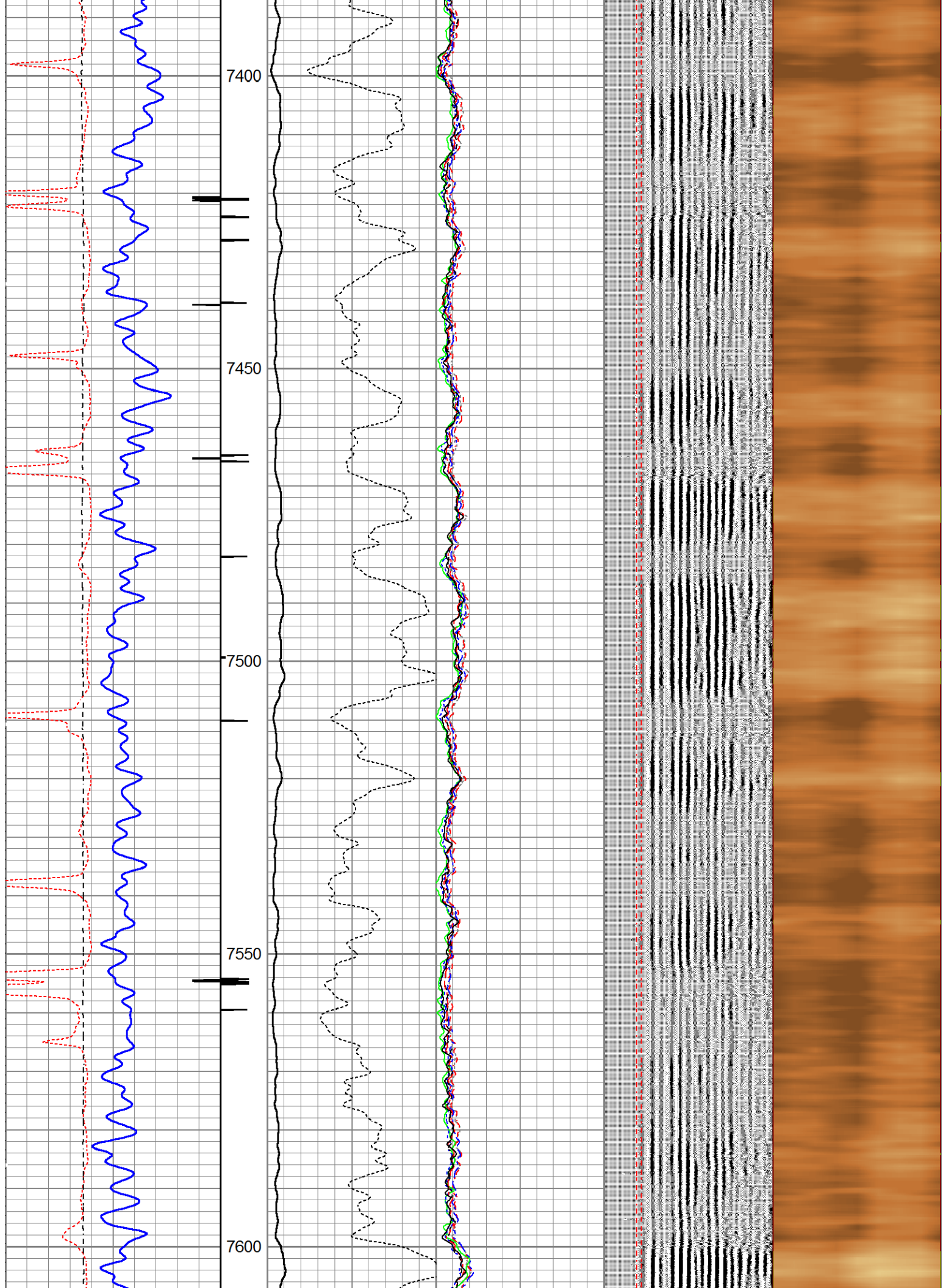


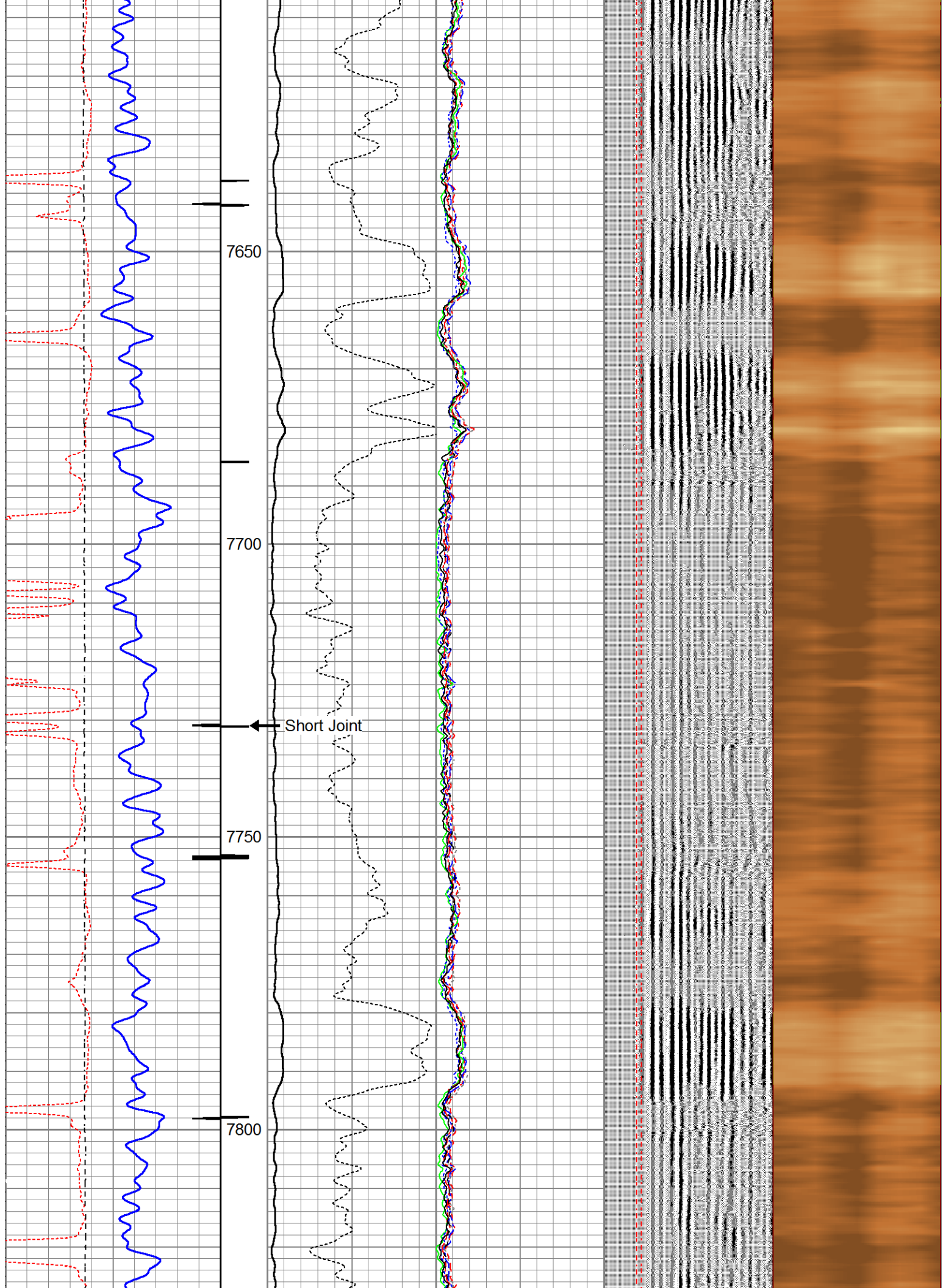


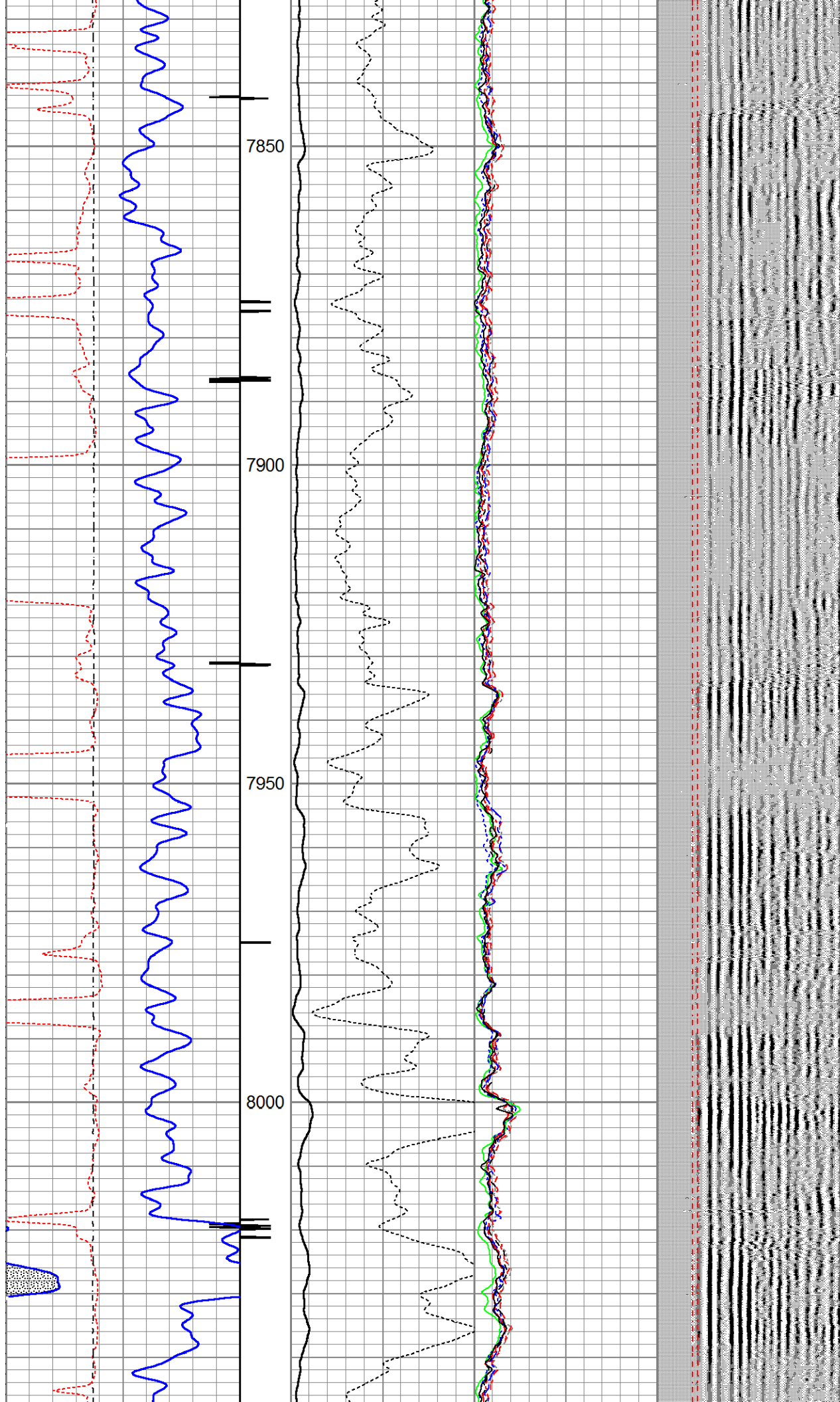


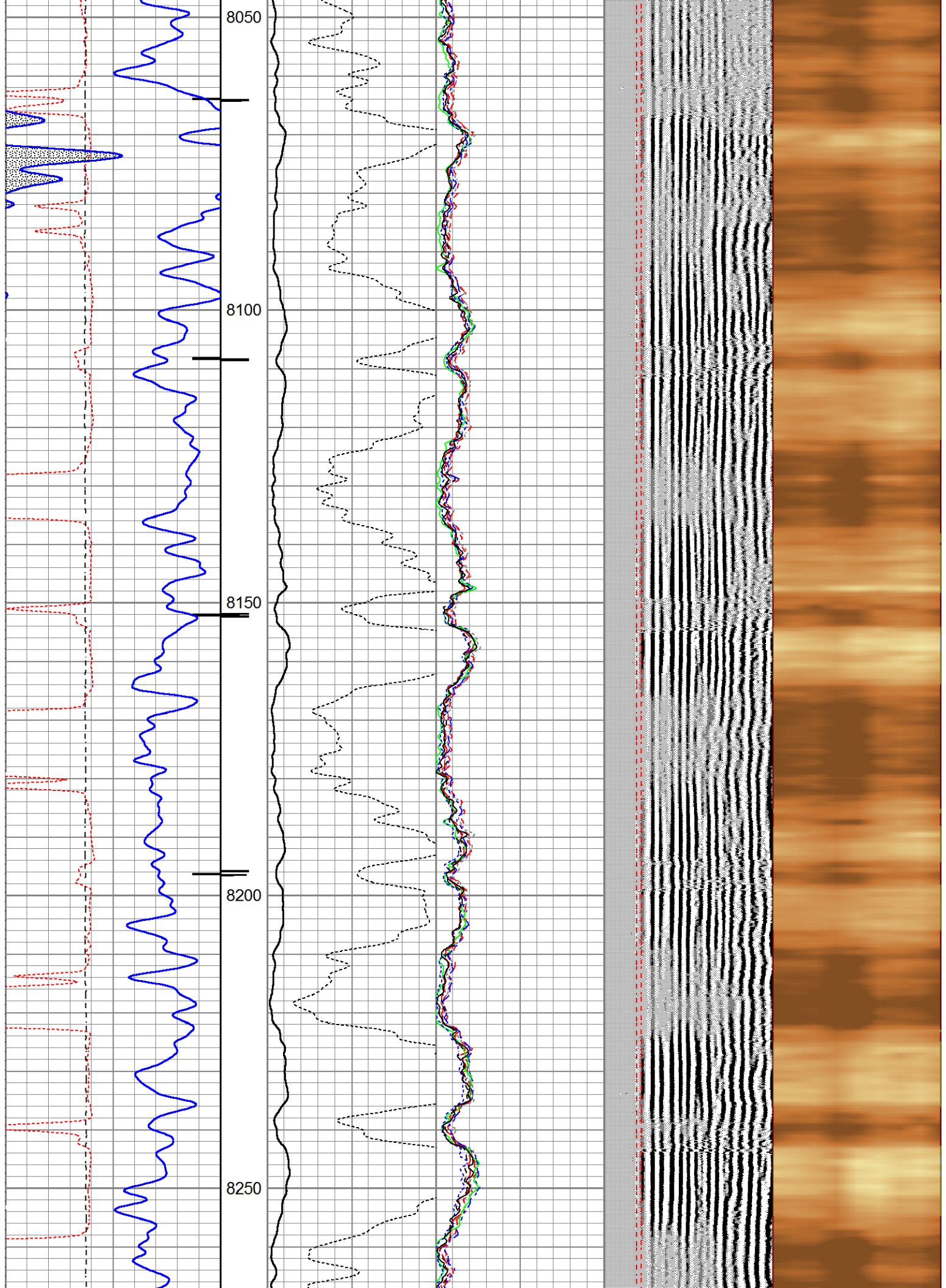


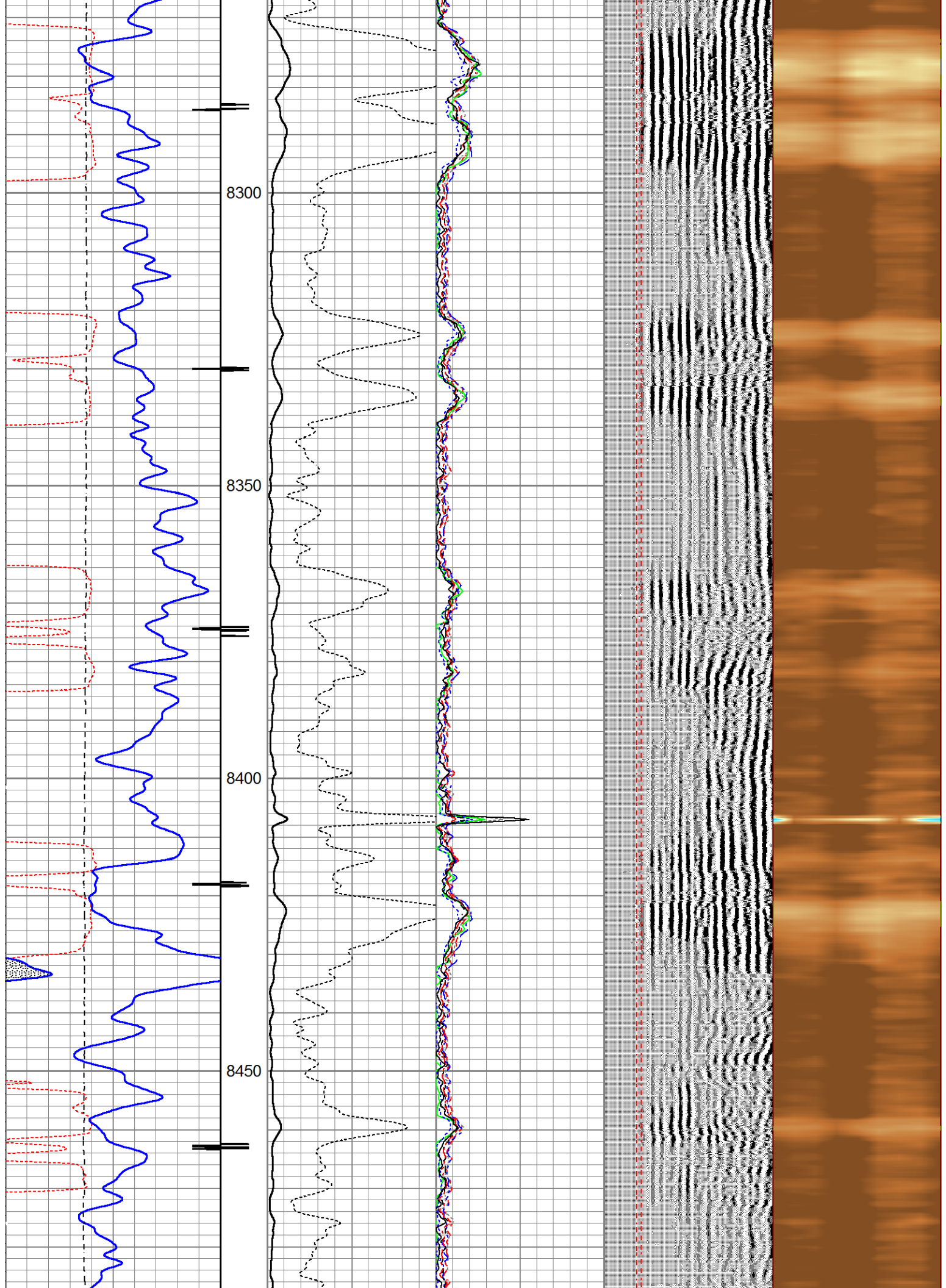


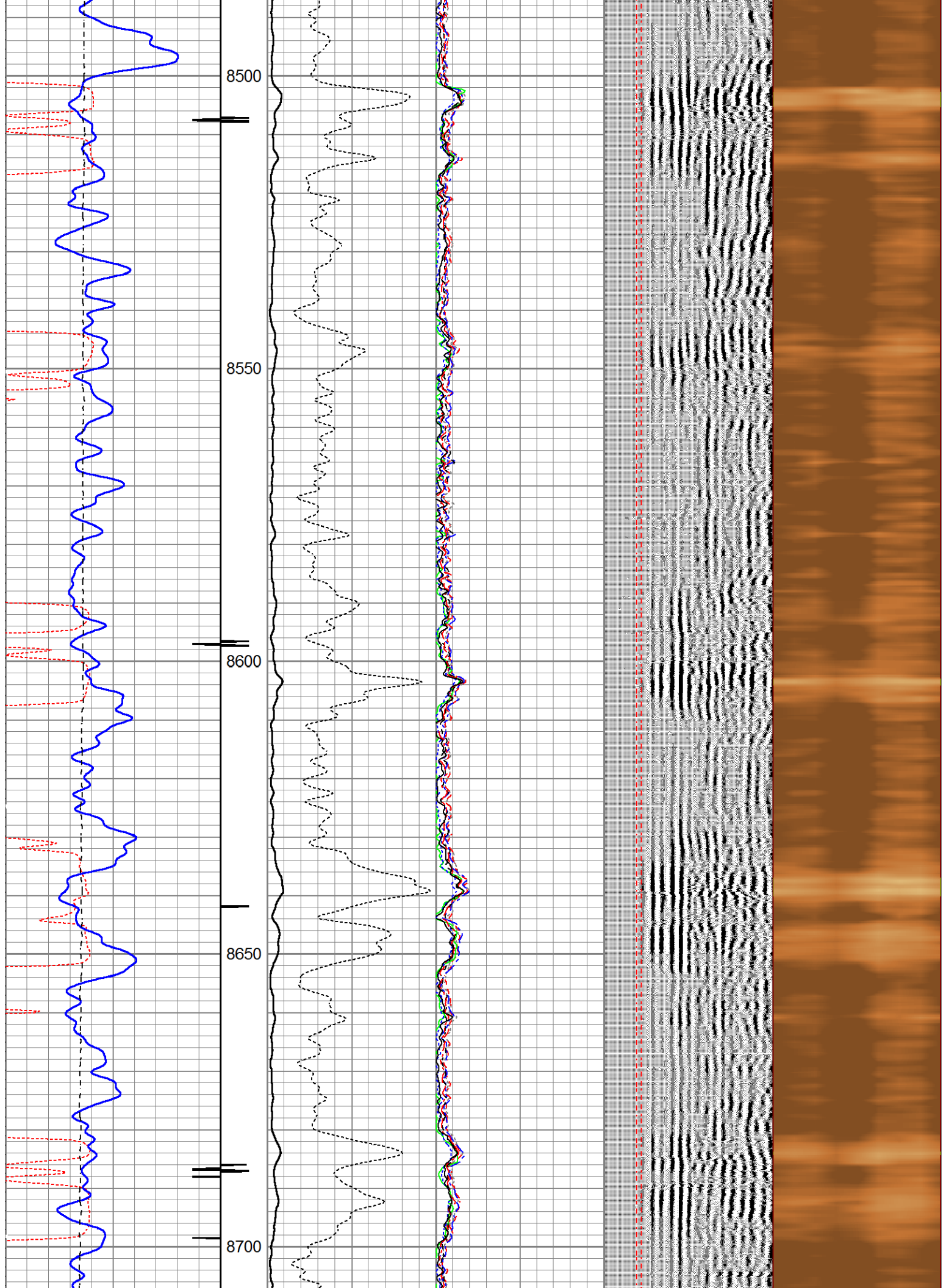


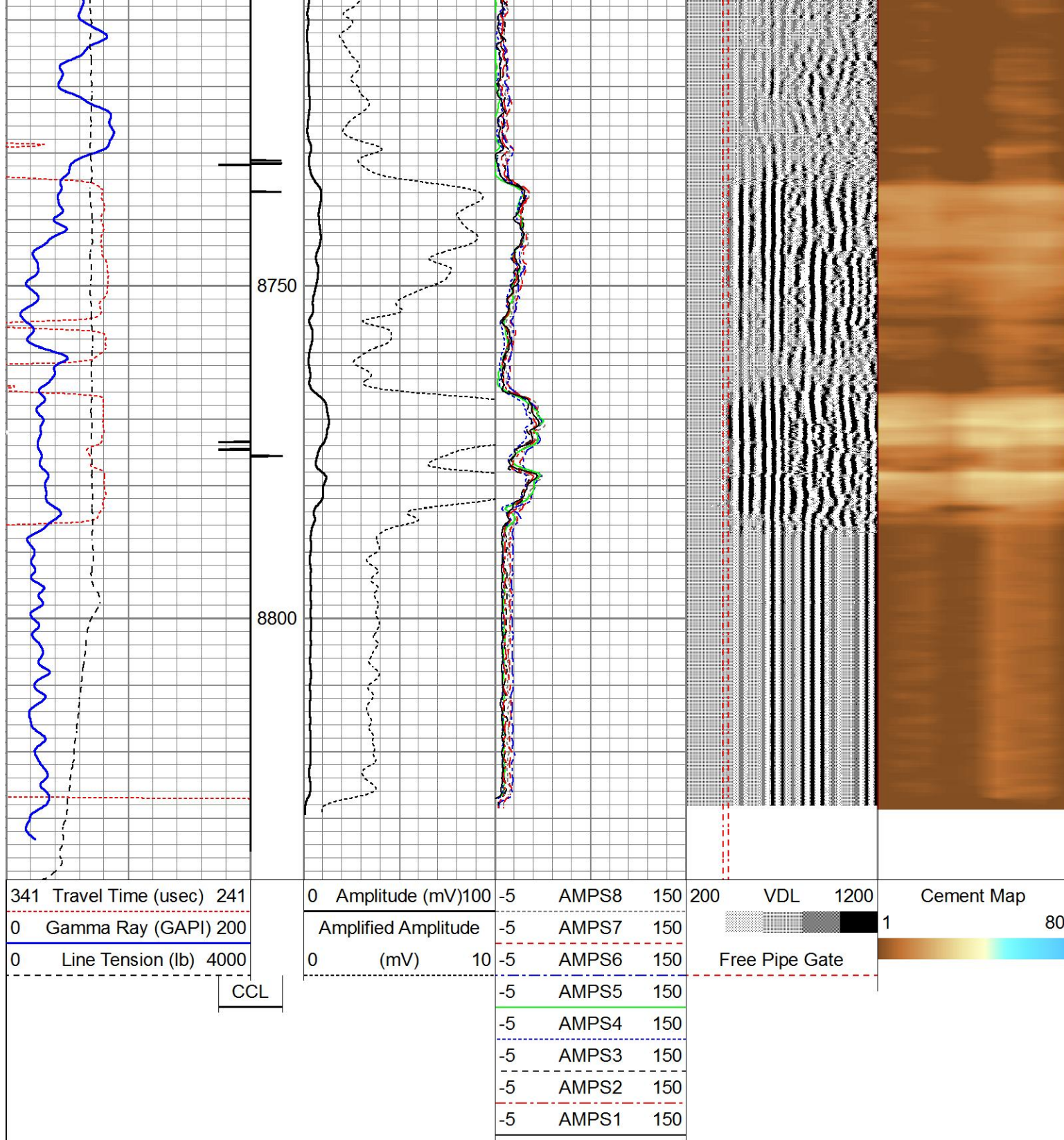












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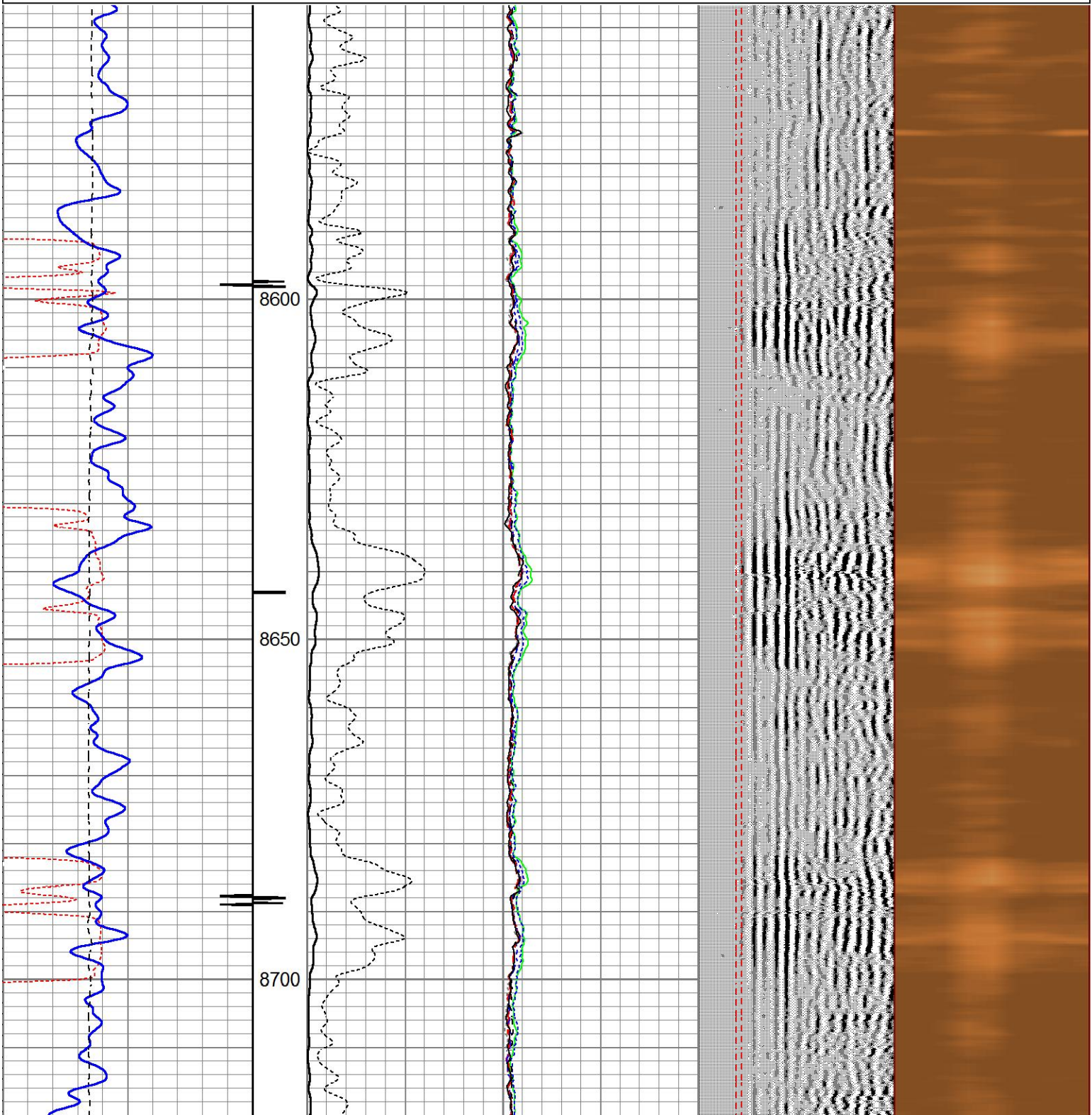
Main Pass (0) PSI

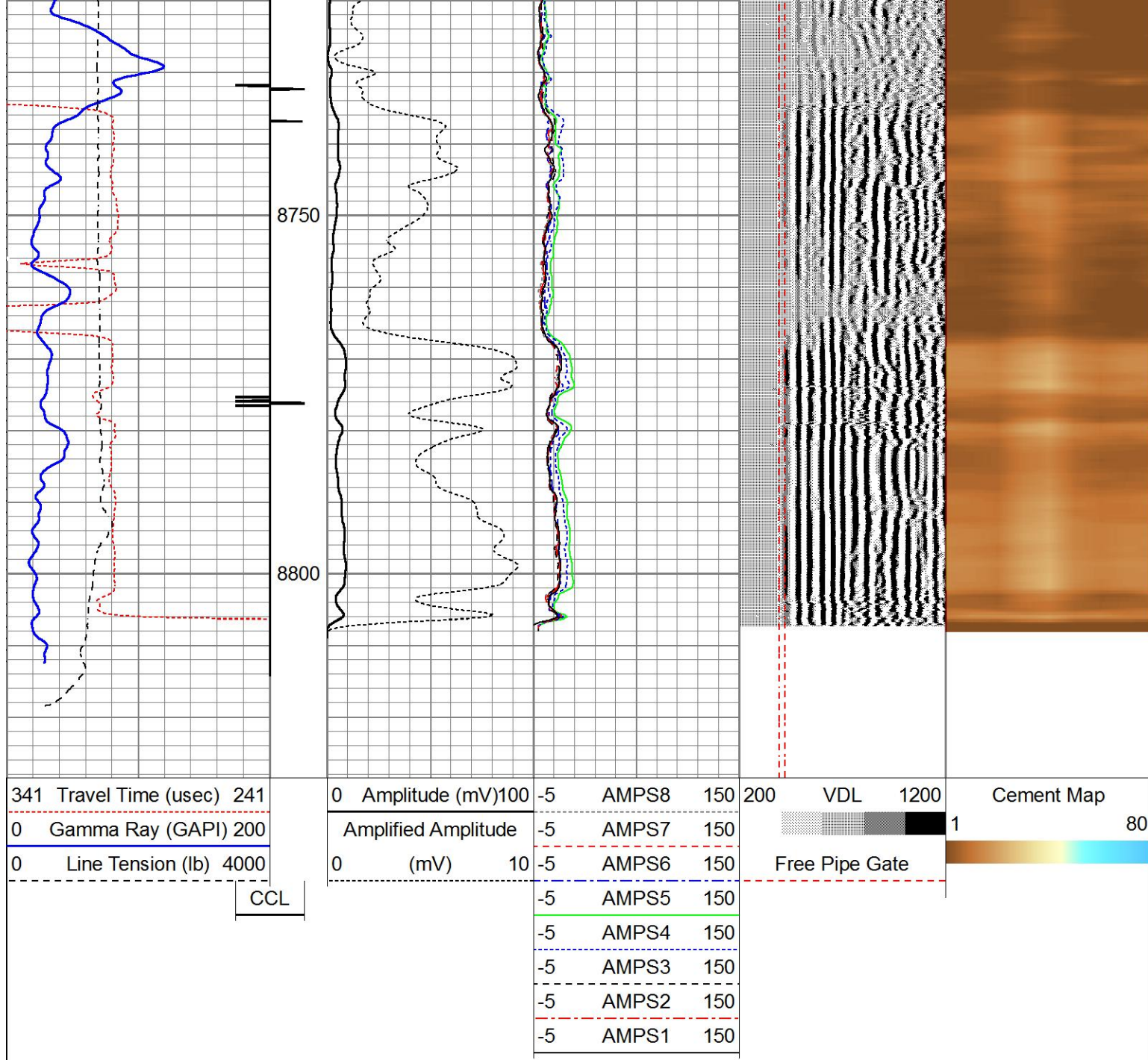
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Repeat Pass (0) PSI

Database File	e:\petrosquare corp shock pad\ub51s0205 ps shock 3-10-1cdm cbl.ub
Dataset Pathname	Shook3-10-1CDH/run2/pass4
Presentation Format	scbl5_5n
Dataset Creation	Sat Mar 03 11:23:42 2018
Charted by	Depth in Feet scaled 1:240

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		(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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Repeat Pass (0) PSI

Log Variables

Database: \petrosshare corp shook pad\db\s\fs0205 ps shook 3-10-1cdh cbl.db
Dataset field/Shook3-10-1CDH/run2/pass7/_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\fs0205 ps shook 3-10-1cdh cbl.db
 Dataset Pathname Shook3-10-1CDH/run2/pass7
 Dataset Creation Tue Mar 06 22:09:55 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: 10.627 ft

Master Calibration, performed Sat Mar 03 10:45:34 2018:

	Raw (v)		Calibrated (mv)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
3'	0.001	0.667	1.000	71.921	106.386	0.936
CAL	0.009	1.173				
5'	0.004	0.894	1.000	71.921	79.684	0.668
SUM						
S1	0.059	0.959	0.000	100.000	227.940	-13.950
S2	0.015	0.938	0.000	100.000	203.700	-2.520
S3	0.014	0.945	0.000	100.000	198.801	-2.692
S4	0.014	0.950	0.000	100.000	160.590	-9.479
S5	0.016	0.948	0.000	100.000	210.069	-15.772
S6	0.016	0.950	0.000	100.000	228.861	-2.244
S7	0.015	0.937	0.000	100.000	221.691	1.625
S8	0.015	0.935	0.000	100.000	212.059	1.813

Internal Reference Calibration, performed Sat Mar 03 10:15:49 2018:



	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	0.009	1.173	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)
ExTemp	14.41		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
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					
CCL	4.14		CENT-Probe Probe 2 3/4 Centralizer	2.88	2.75	20.00
GR	2.81		CLT-GR-Probe275dig (pr120363) Probe Digital Gamma CCL	4.78	2.75	57.00

					
		<div> <div></div> <div>Titan-1.375_Cap</div> <div>Titan 1 3/8" Cap</div> </div>	0.27	1.38	1.00
<div> <div>Dataset:</div> <div>fs0205 ps shook 3-10-1cdh cbl.db: field/Shook3-10-1CDH/run2/pass7</div> </div> <div> <div>Total length:</div> <div>21.01 ft</div> </div> <div> <div>Total weight:</div> <div>201.00 lb</div> </div> <div> <div>O.D.:</div> <div>2.75 in</div> </div>					

Company	Petroshare Corp				
Well	SHOOK 3-10-1CDH				
Field	WATTENBERG				
County	ADAMS	State	COLORADO		
		Radial Cement Bond Gamma Ray CCL Log			