



CEMENT BOND LOG

Mesa Wireline

Company	ANTERO RESOURCES CORPORATION		
Well	NORCROSS A15		
Field	MAMM CREEK		
County	GARFIELD		
State	COLORADO		
Company	ANTERO RESOURCES CORPORATION	Location:	APL # 05045151670000
Well	NORCROSS A15	Other Services	NONE
Field	MAMM CREEK		
County	GARFIELD		
State	COLORADO		
Permanent Datum	SURFACE HOLE 1309' FSL & 1425' FWL		
Log Measured From	SEC. 13, TWP. 13S, R. 9E, 93W		
Drilling Measured From	GROUND LEVEL Elevation 5497'		
	KELLY BUSHING = 18 FT		
	Elevation		
	K.B. 5515		
	D.F. 5514'		
	G.L. 6497		

Date	10 APRIL 2008						
Run Number	ONE						
Depth Driller	8813						
Depth Logger	8762						
Bottom Logged Interval	8762						
Top Log Interval	SURFACE						
Open Hole Size	7.875"						
Type Fluid	WATER						
Density / Viscosity	8.34#						
Max. Recorded Temp.	243 DEGF						
Estimated Cement Top	3500'						
Time Well Ready	N/A						
Time Logger or Bottom	N/A						
Equipment Number	ST0501/RB102						
Location	GRAND JUNCTION						
Recorded By	D. SOLIS						
Witnessed By	R.						
Boatpole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	24.0"	SURFACE	50'				
TWO	12.25"	50'	950'				
THREE	7.875"	950'	8813				
Casing Record			Size	Wd/Ft	Top	Bottom	
Surface String	8.625"			24.0#	SURFACE	950'	
Prod. String							
Production String	5.5"			17.0#	SURFACE	8813	
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

RBT-GR-TEMP RAN IN COMBINATION.
NO LOGS AVAILABLE TO CORRELATE WITH.
SHORT JOINTS @: 4943' TO 4963' AND 8304' TO 8324'.

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, GRAND JUNCTION CO. (970) 257-0



MAIN LOG SECTION

5" = 100'

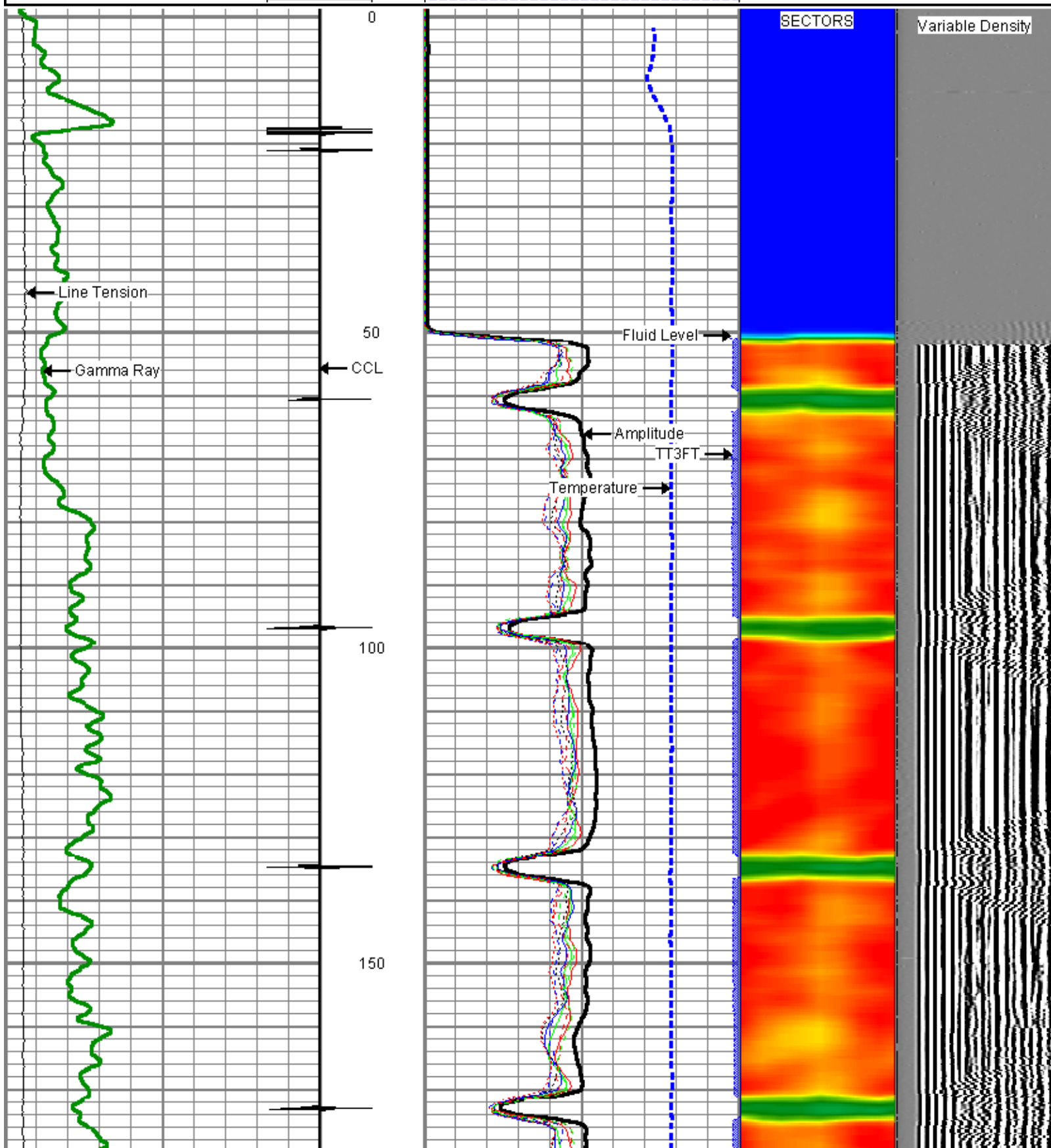
Database File: a_nora15.db
 Dataset Pathname: pass2
 Presentation Format: rbt_fin
 Dataset Creation: Thu Apr 10 12:02:20 2008 by Log Std Casedhole 07081
 Charted by: Depth in Feet scaled 1:240

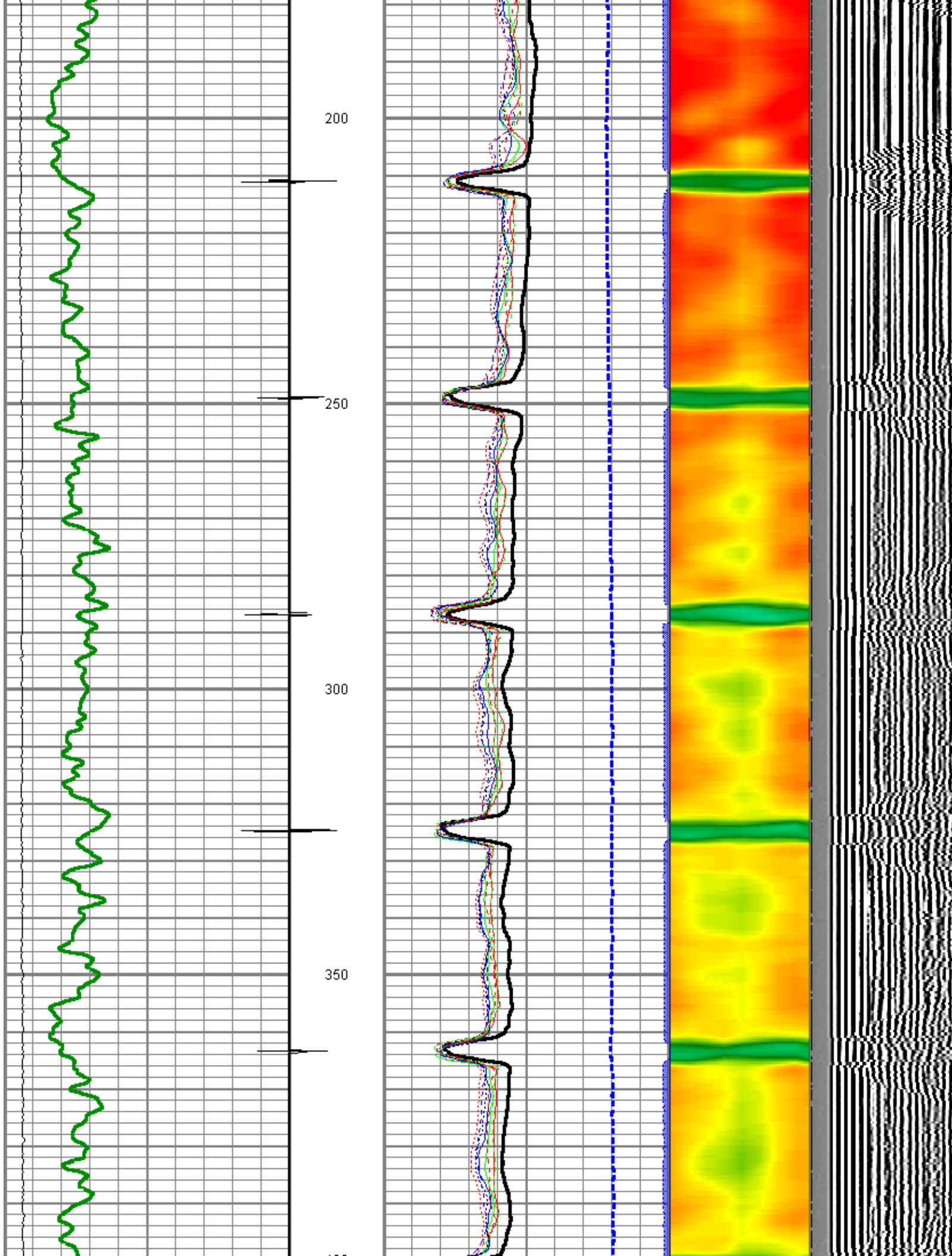
0	LTEN (lb)	4000
0	GR (GAPI)	200

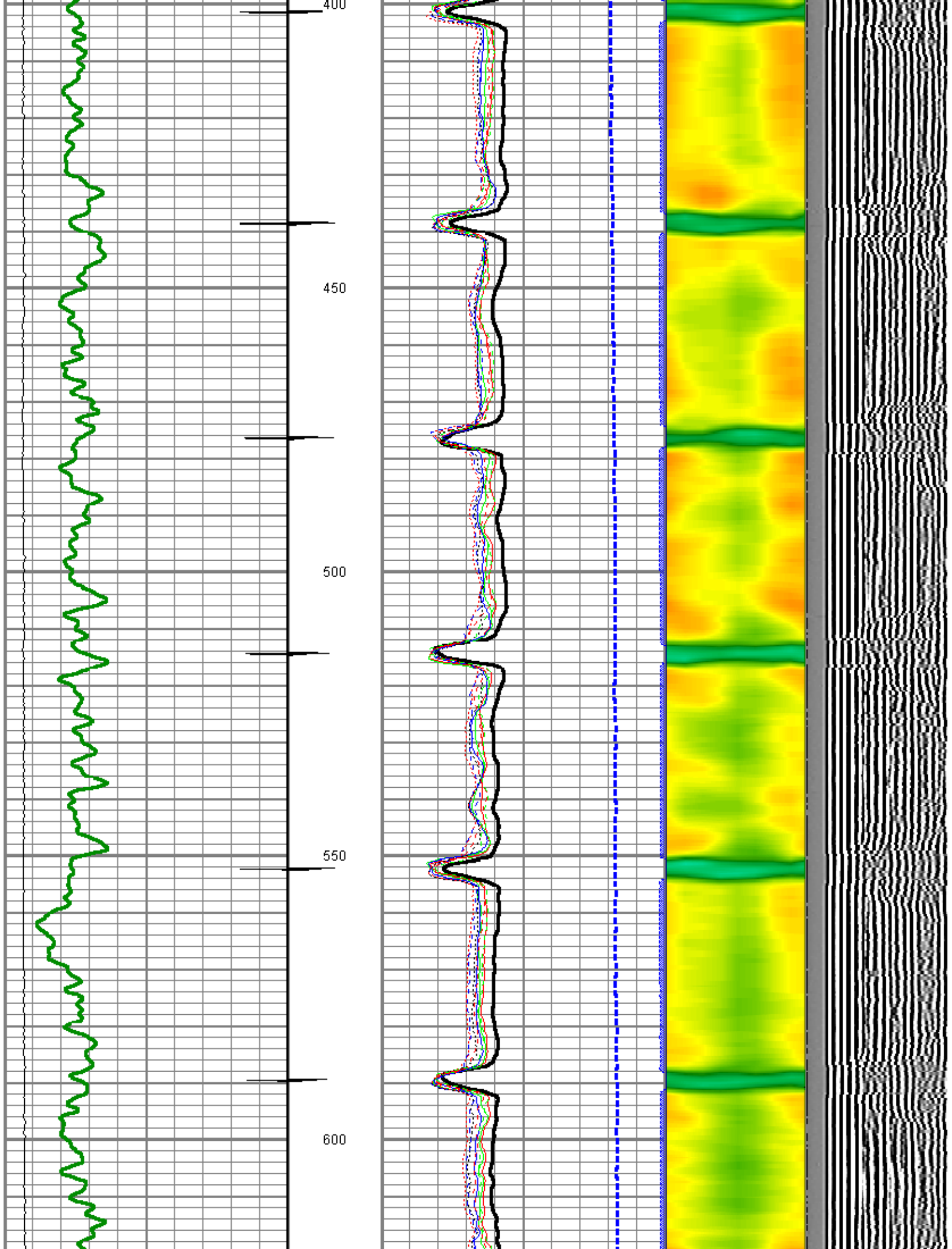
CCL

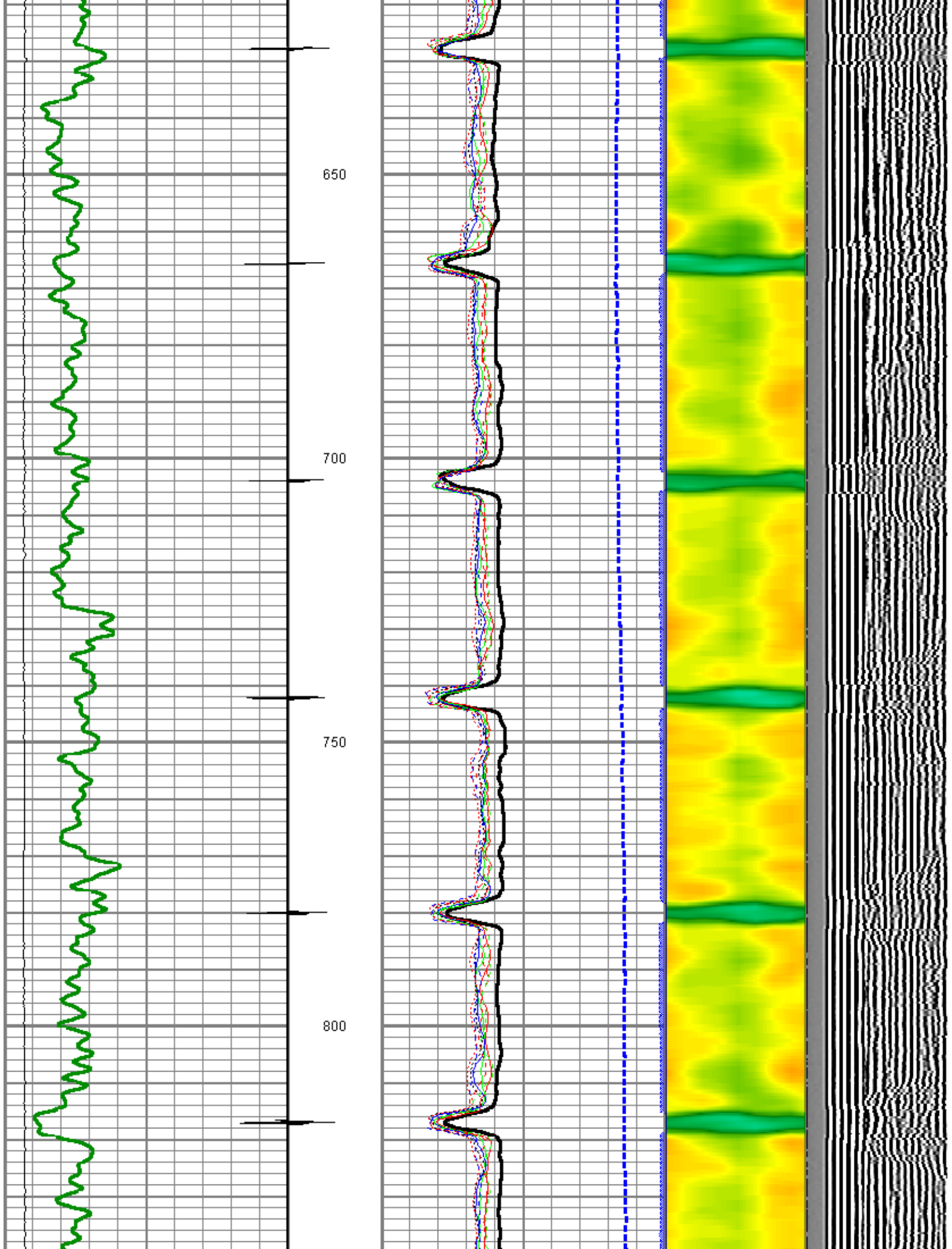
0	Amplitude (mV)	100
0	TT3FT (usec)	220
0	TEMP (degF)	100

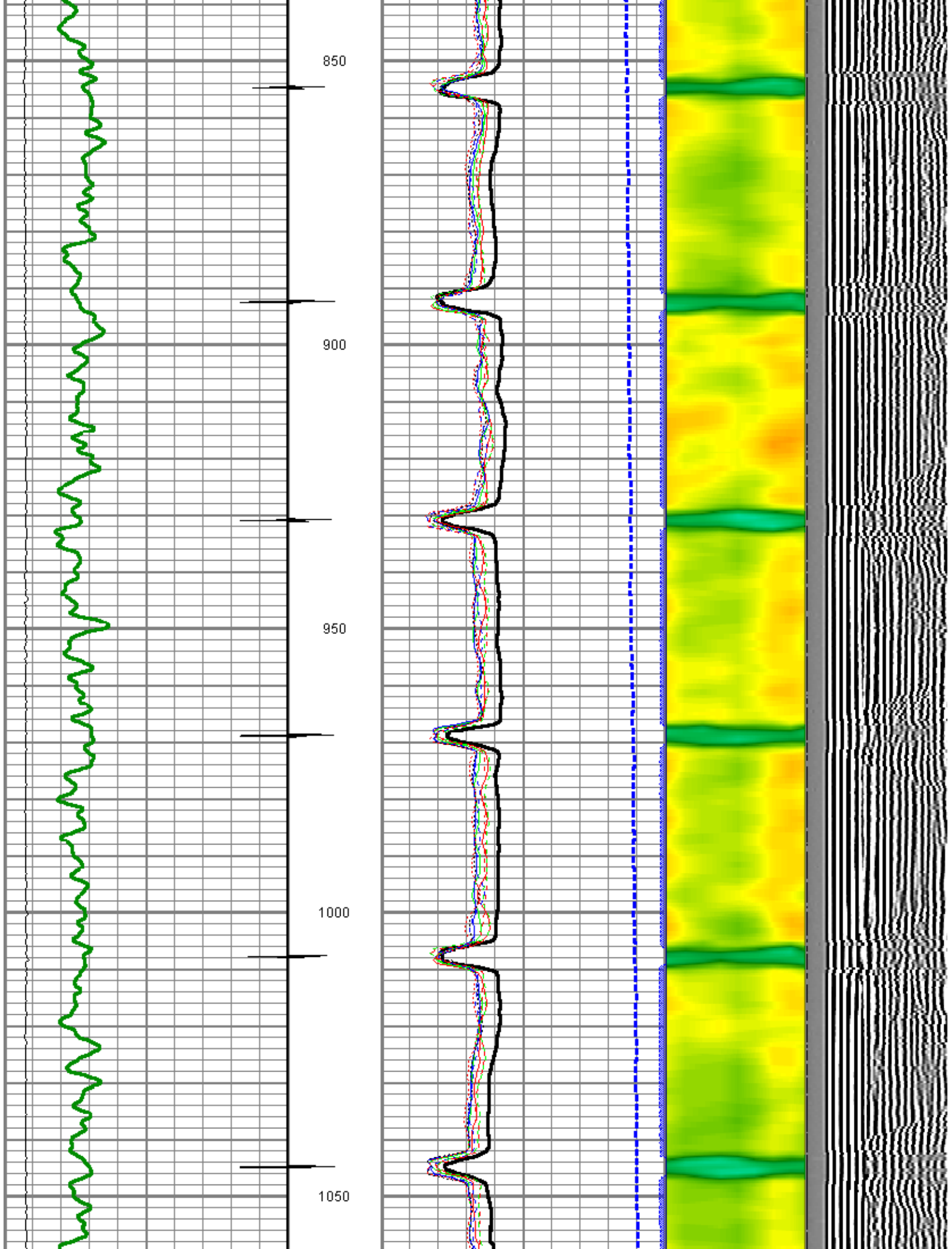
1	SECTORS	8	Variable Density
0		70	200 1200

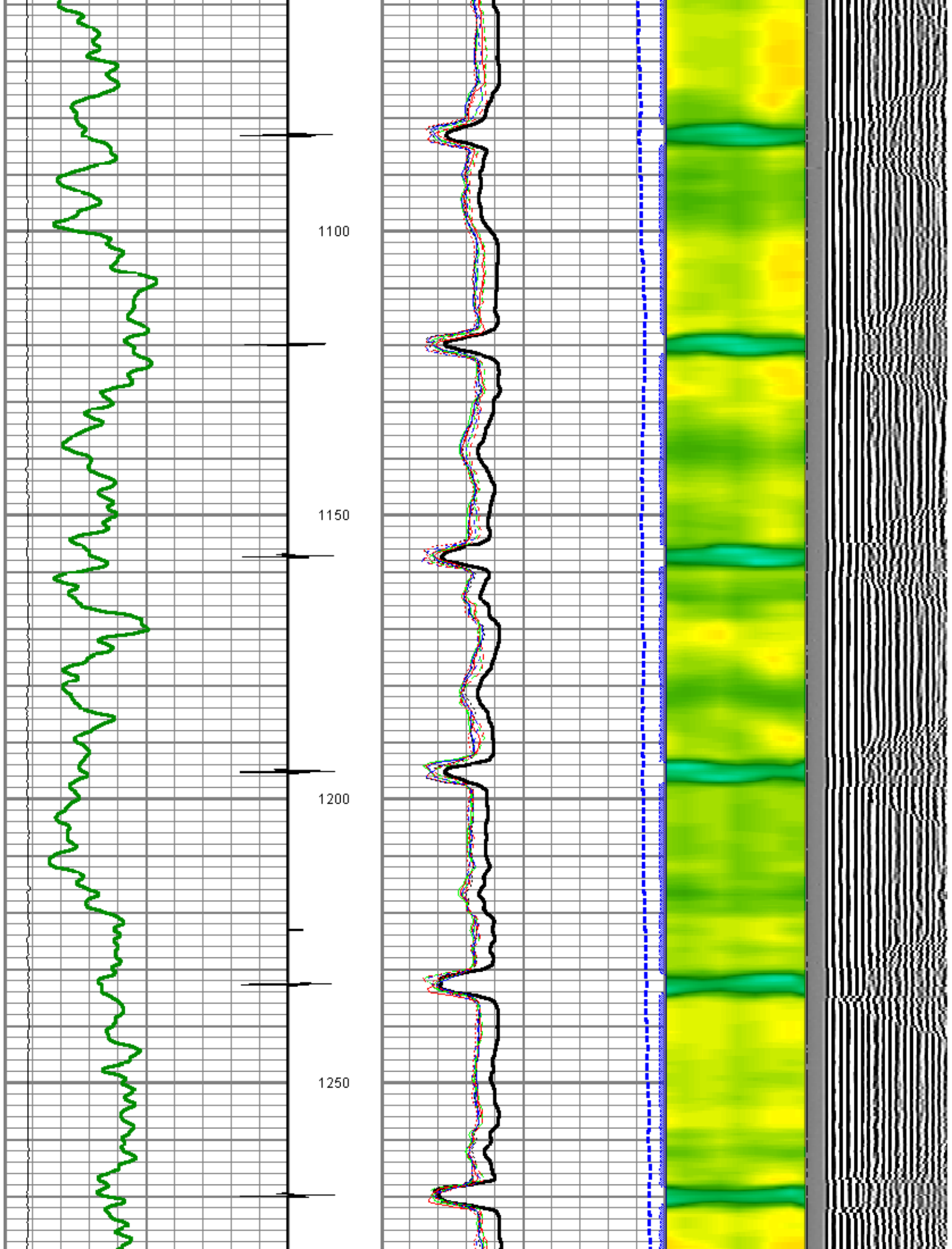


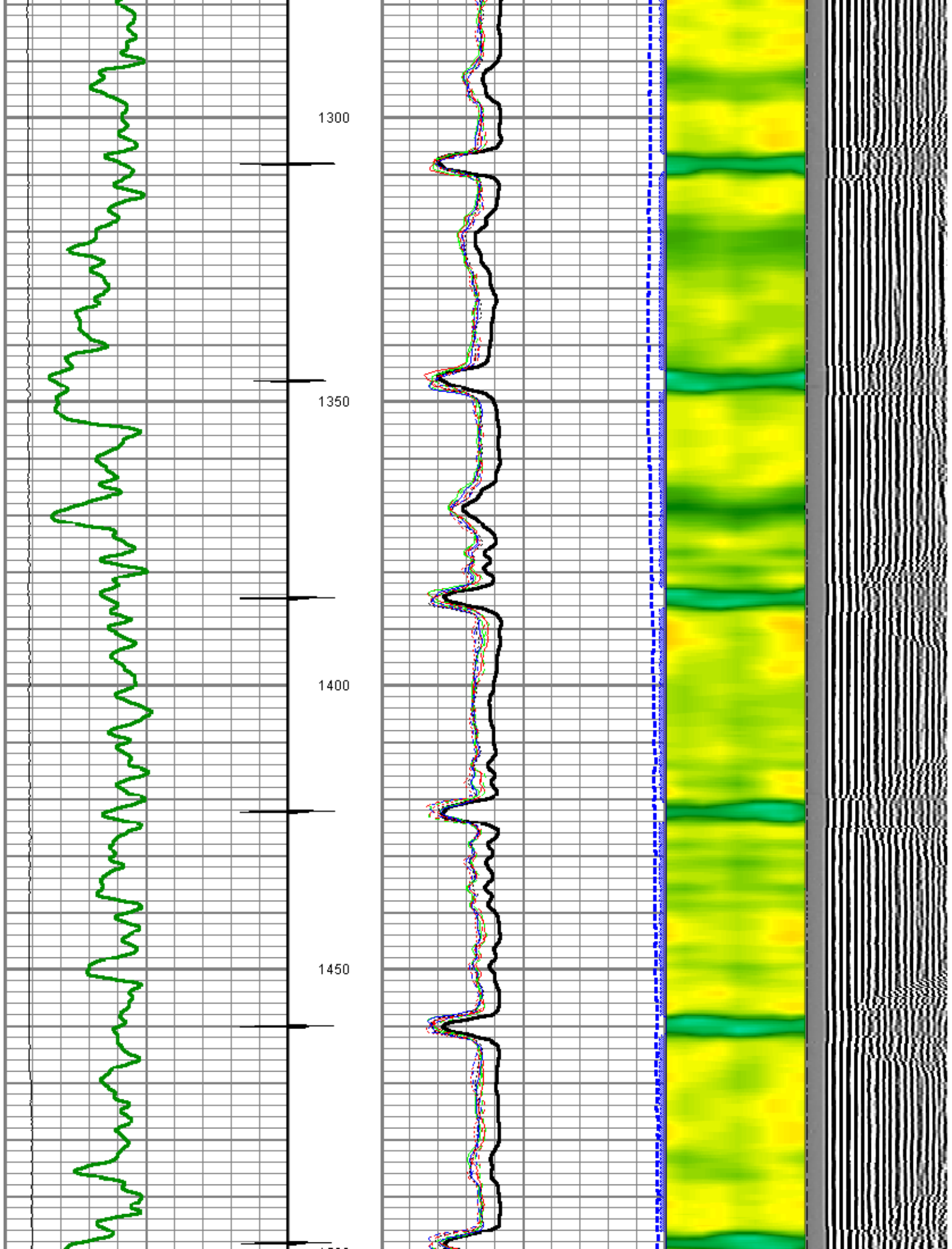


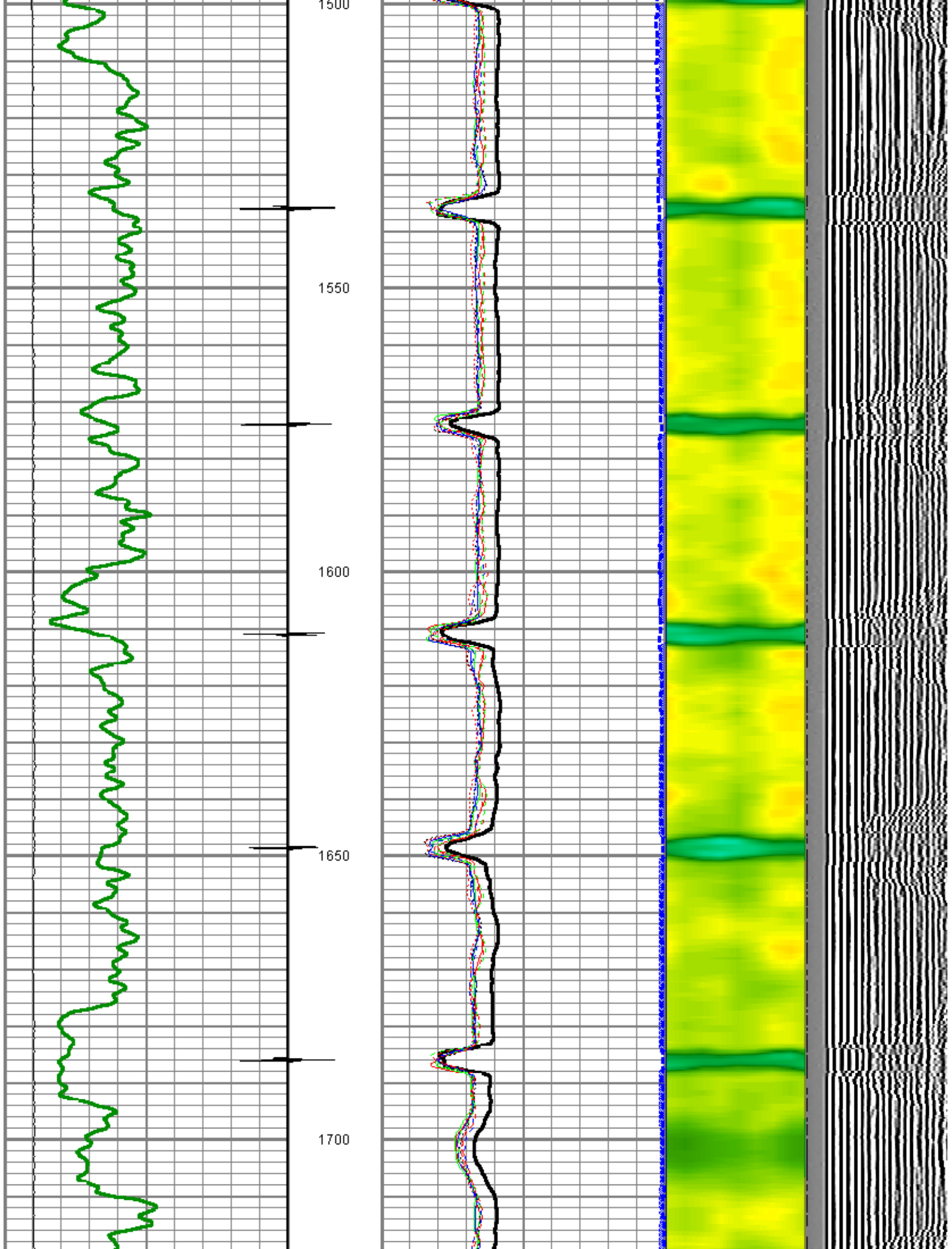


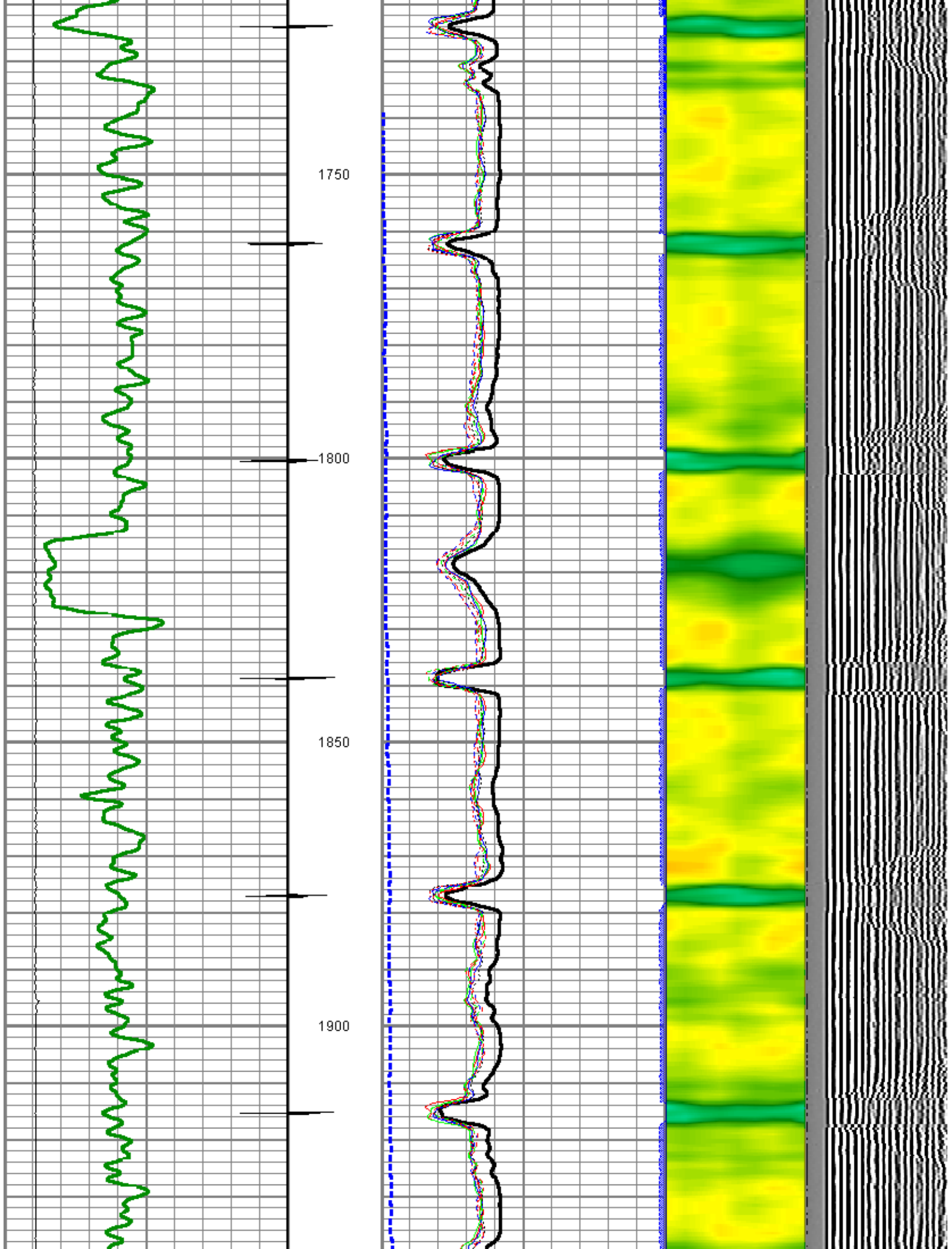


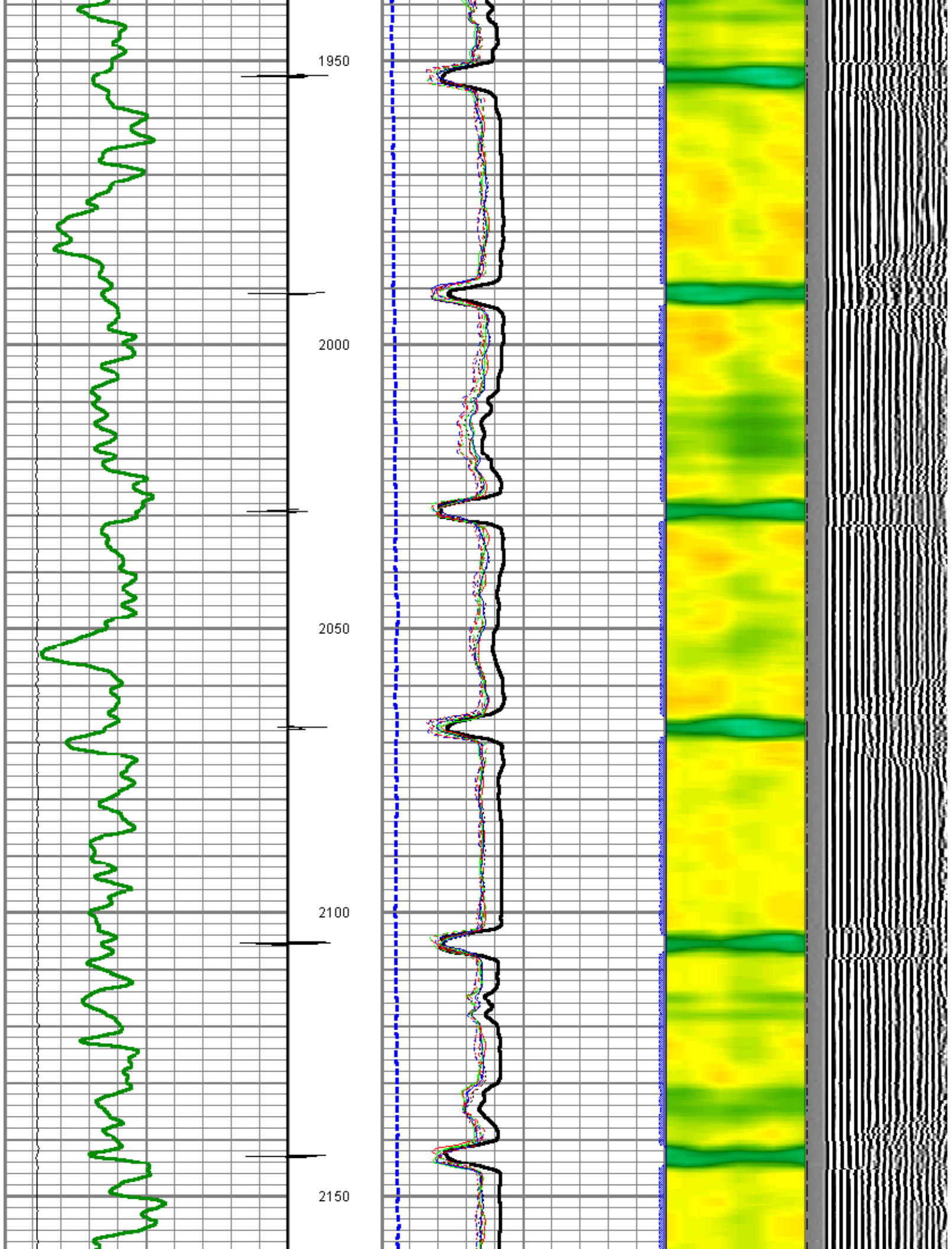


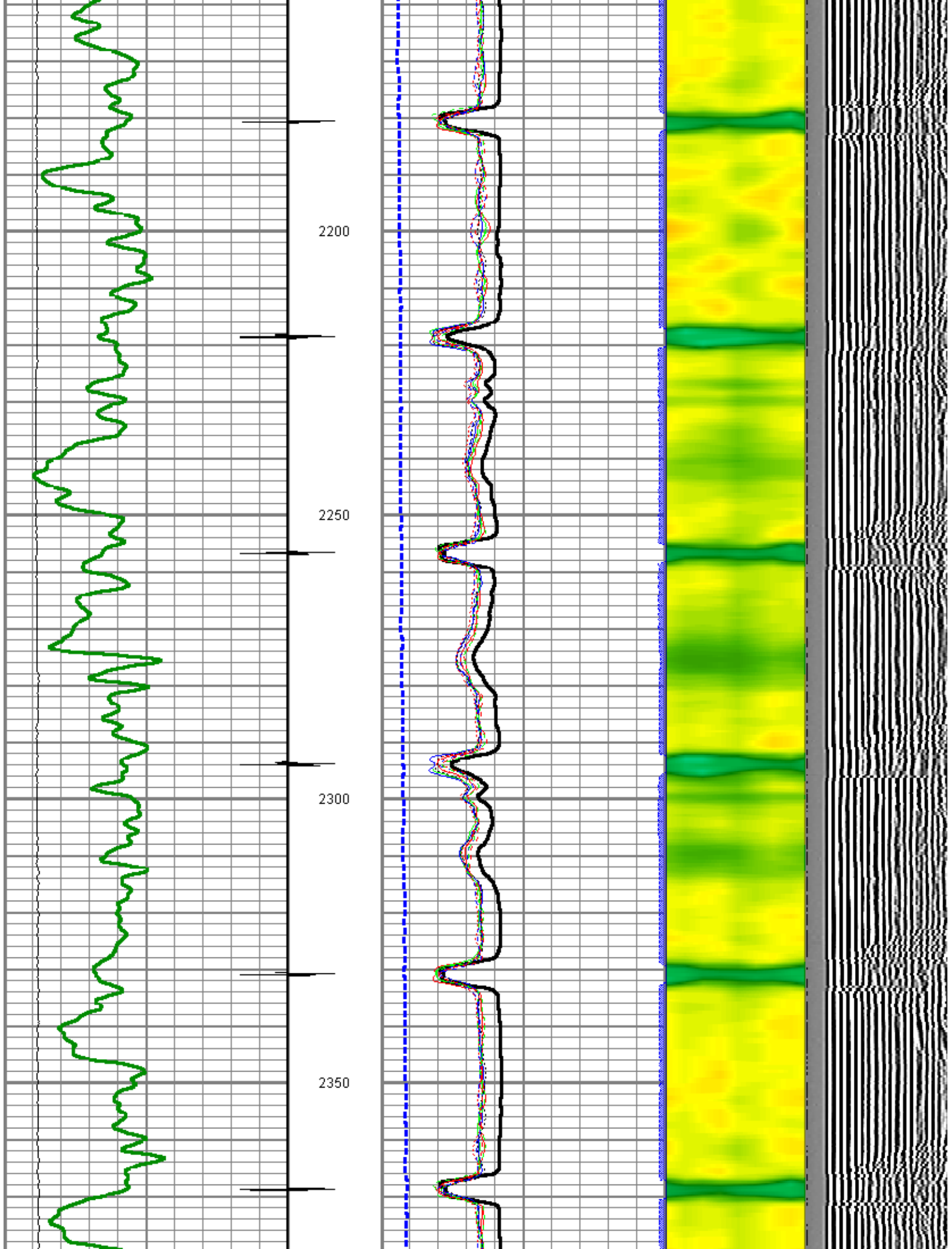


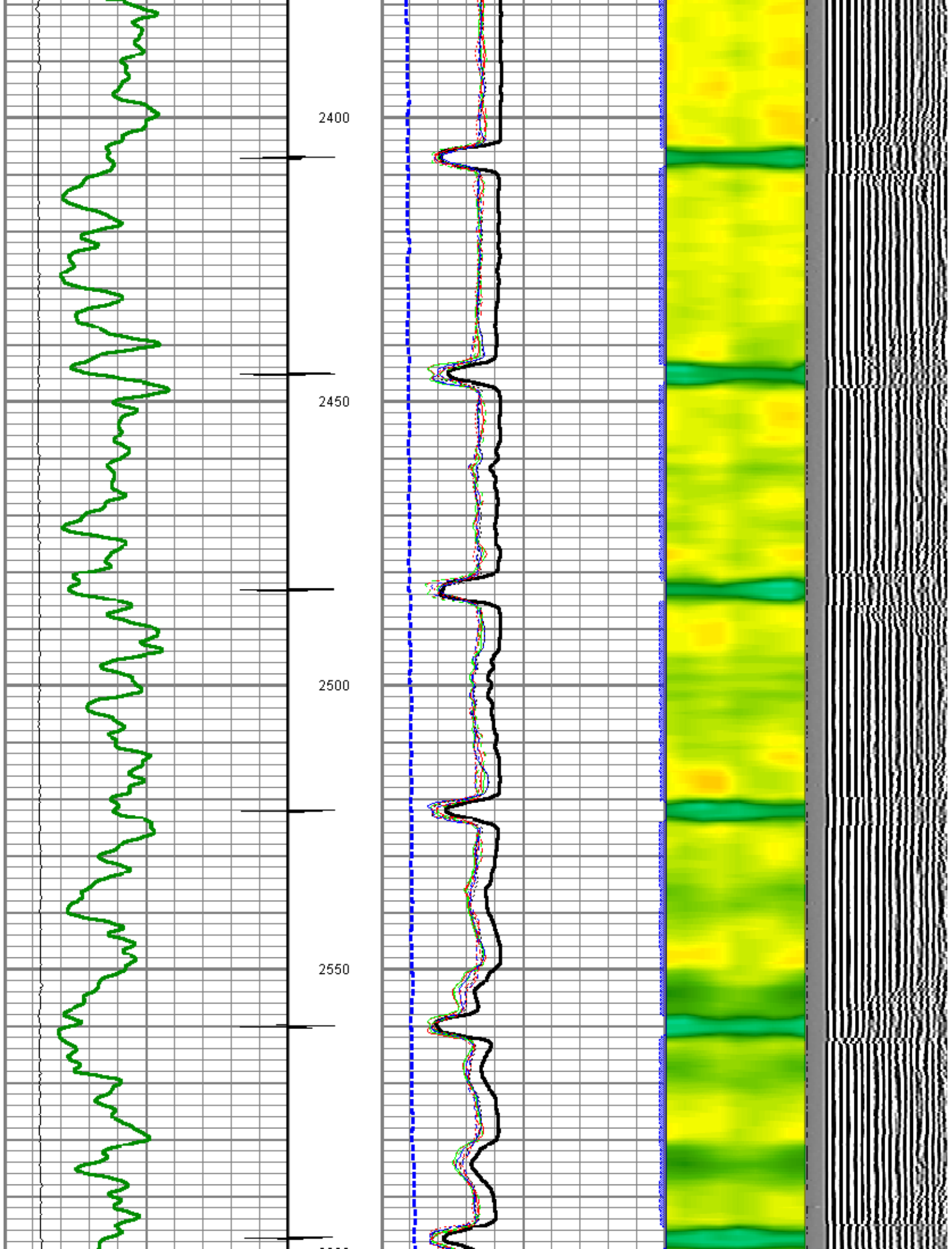


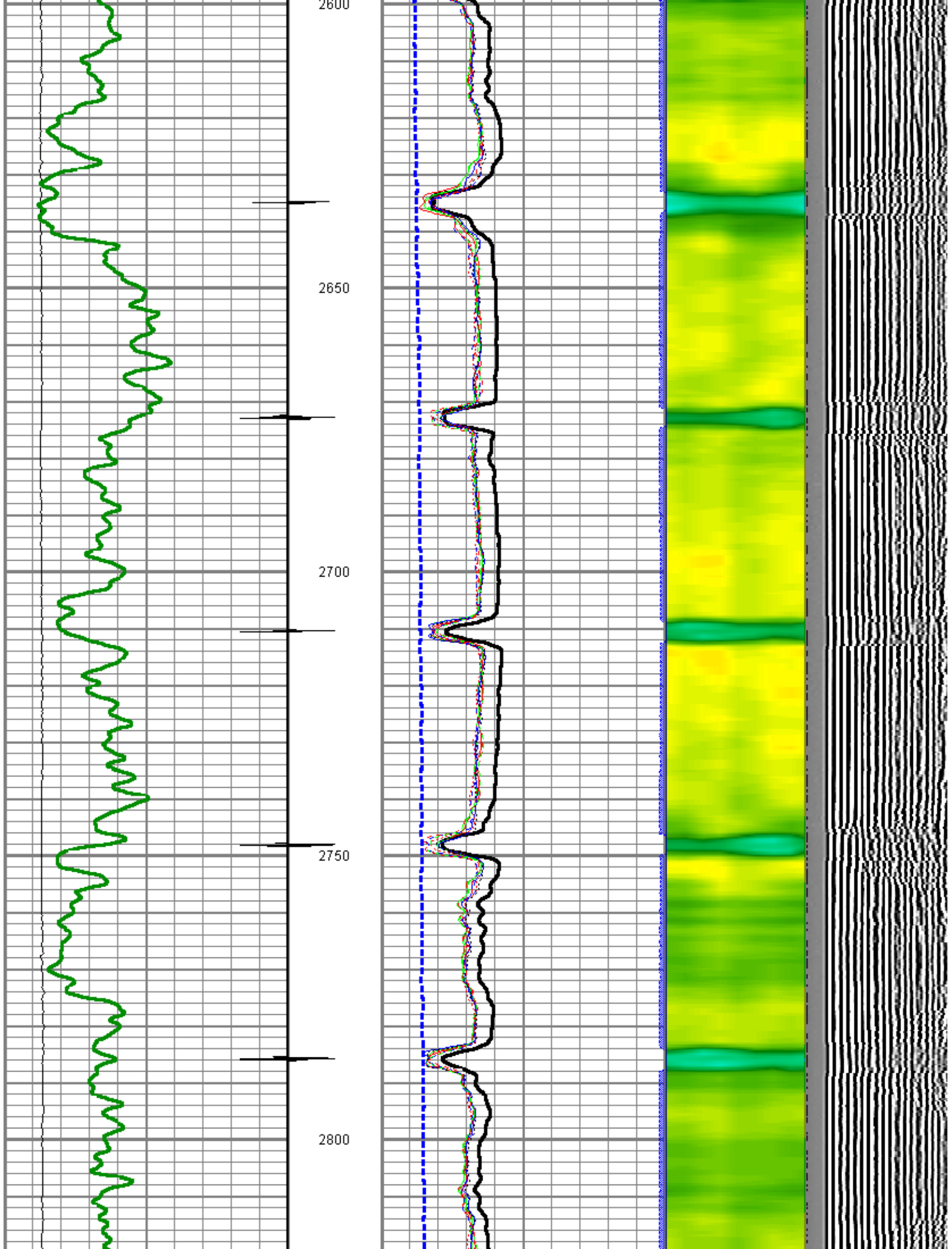


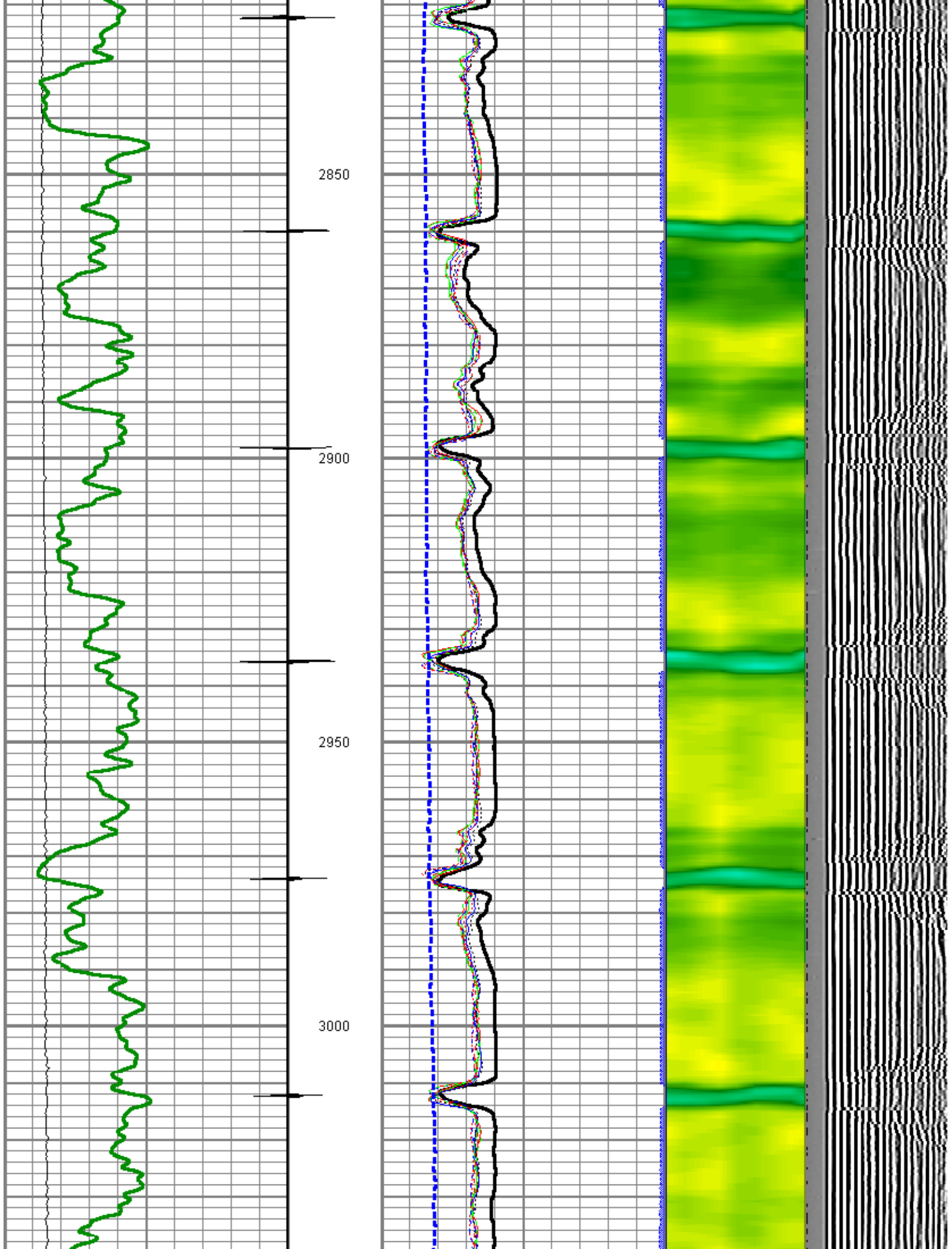


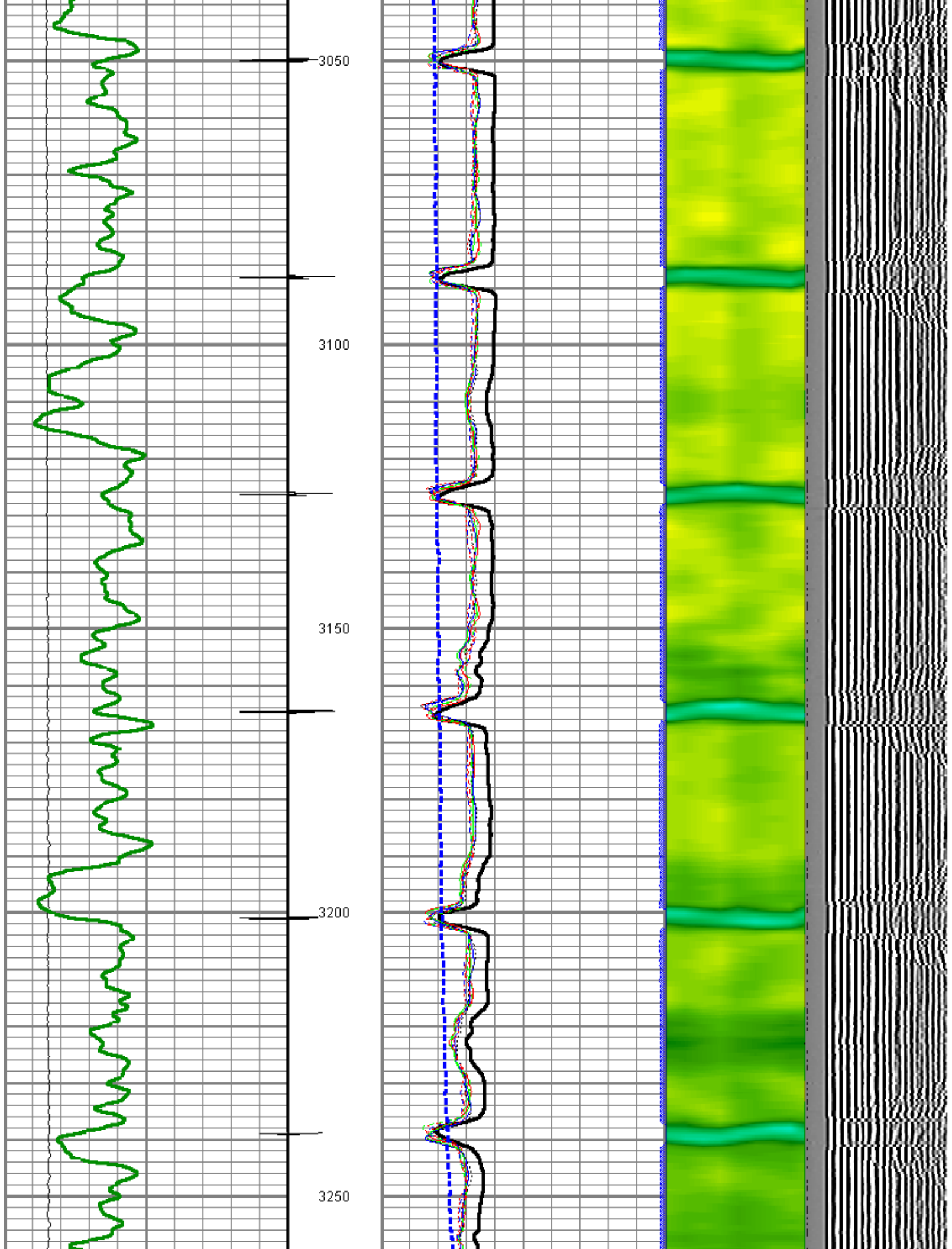


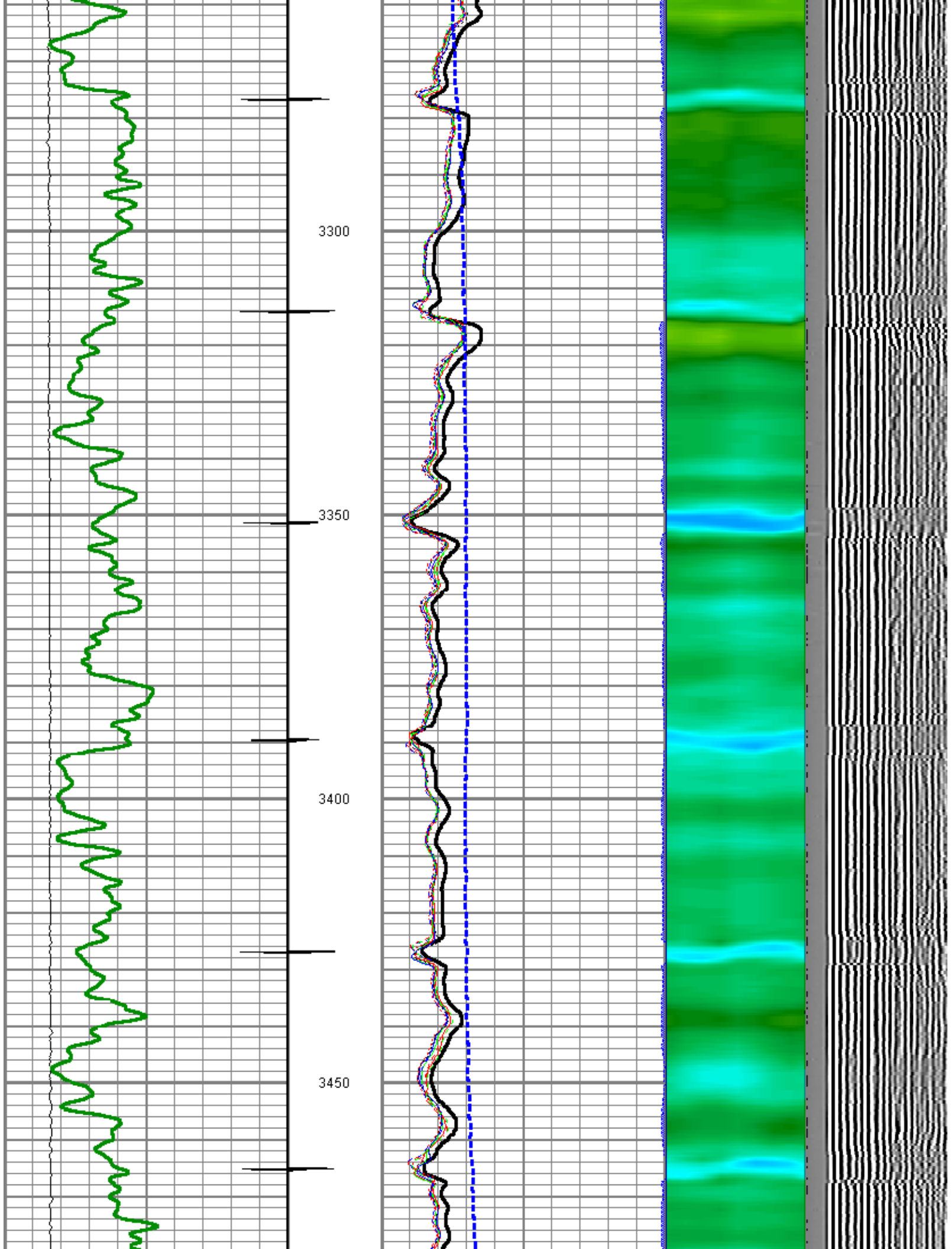


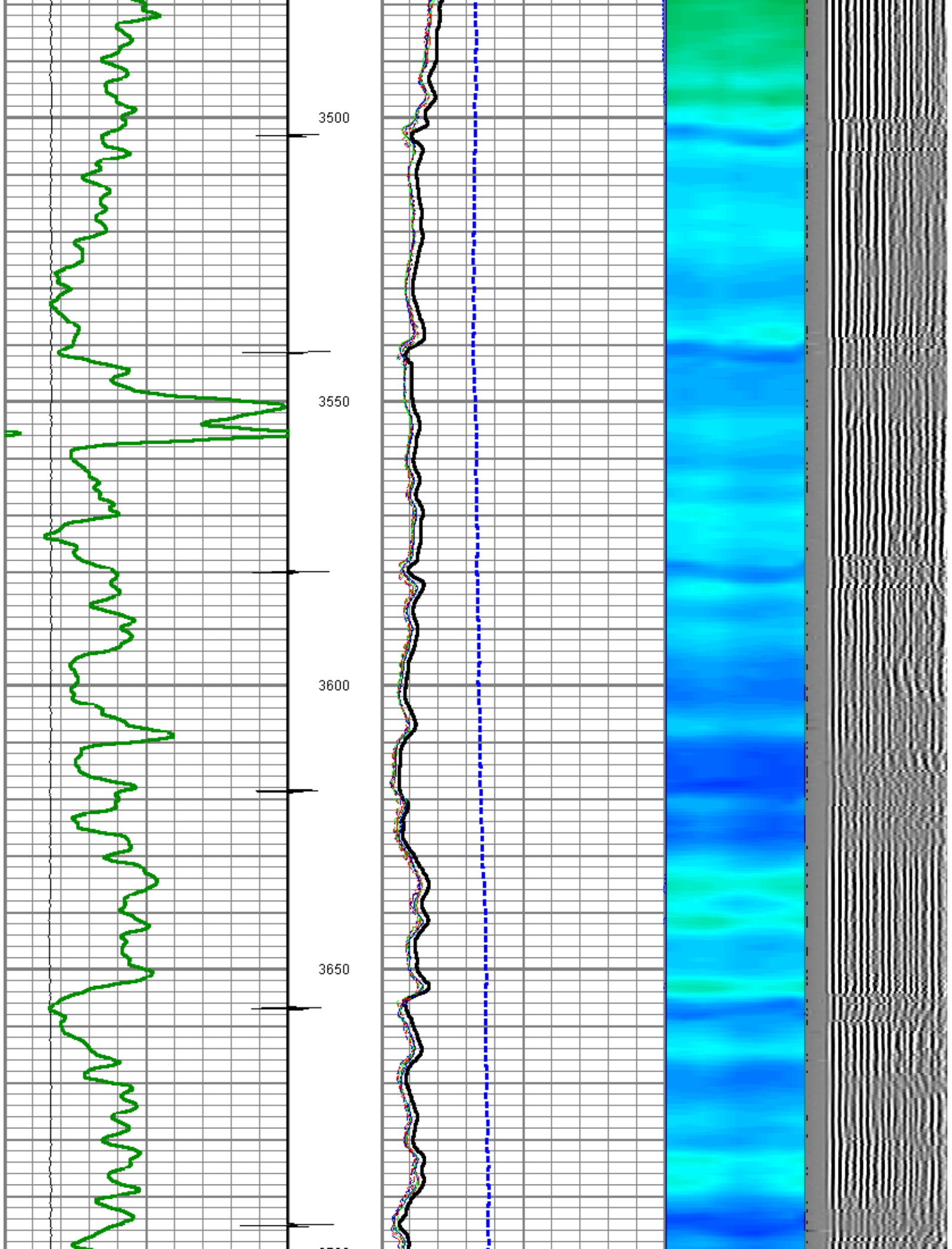


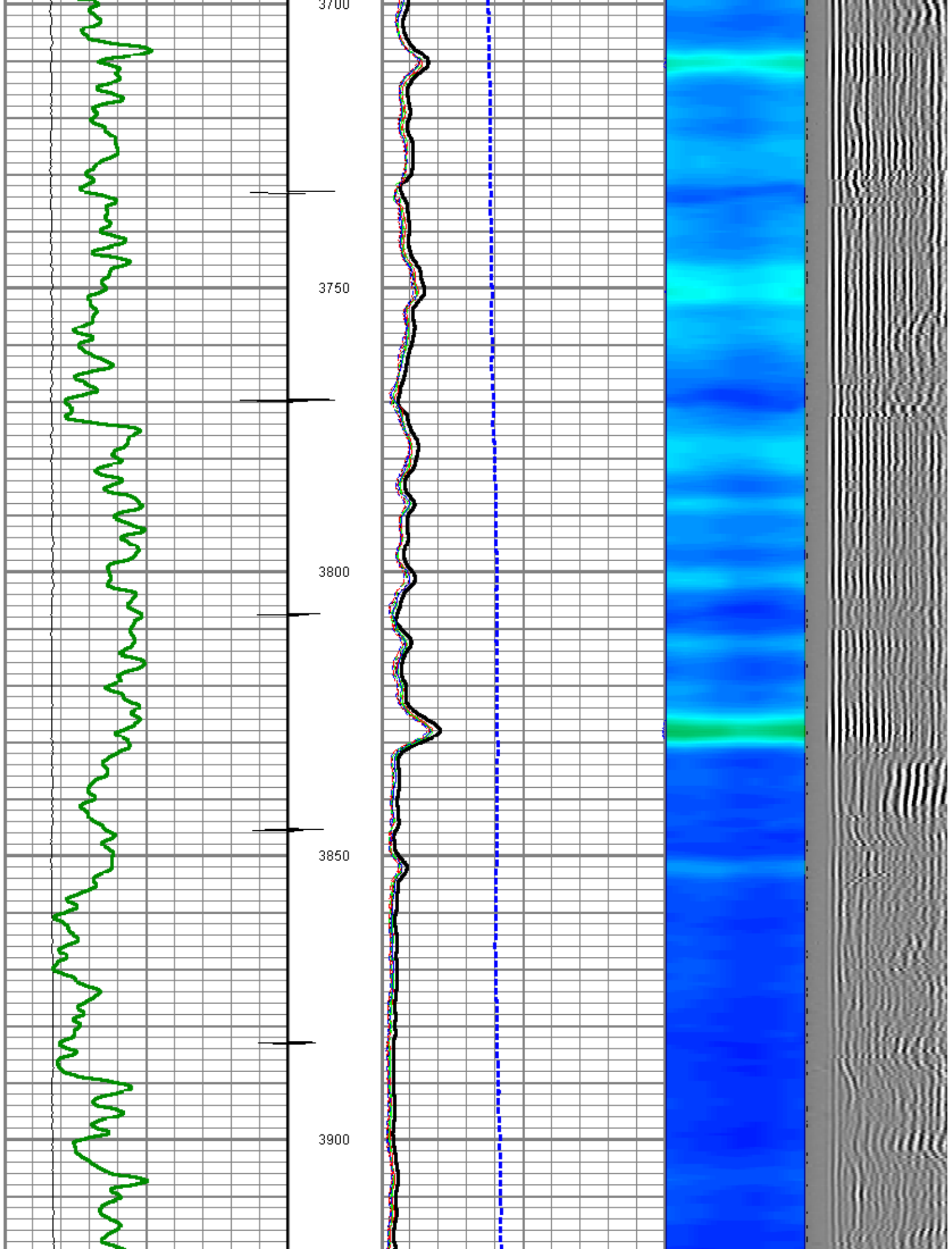


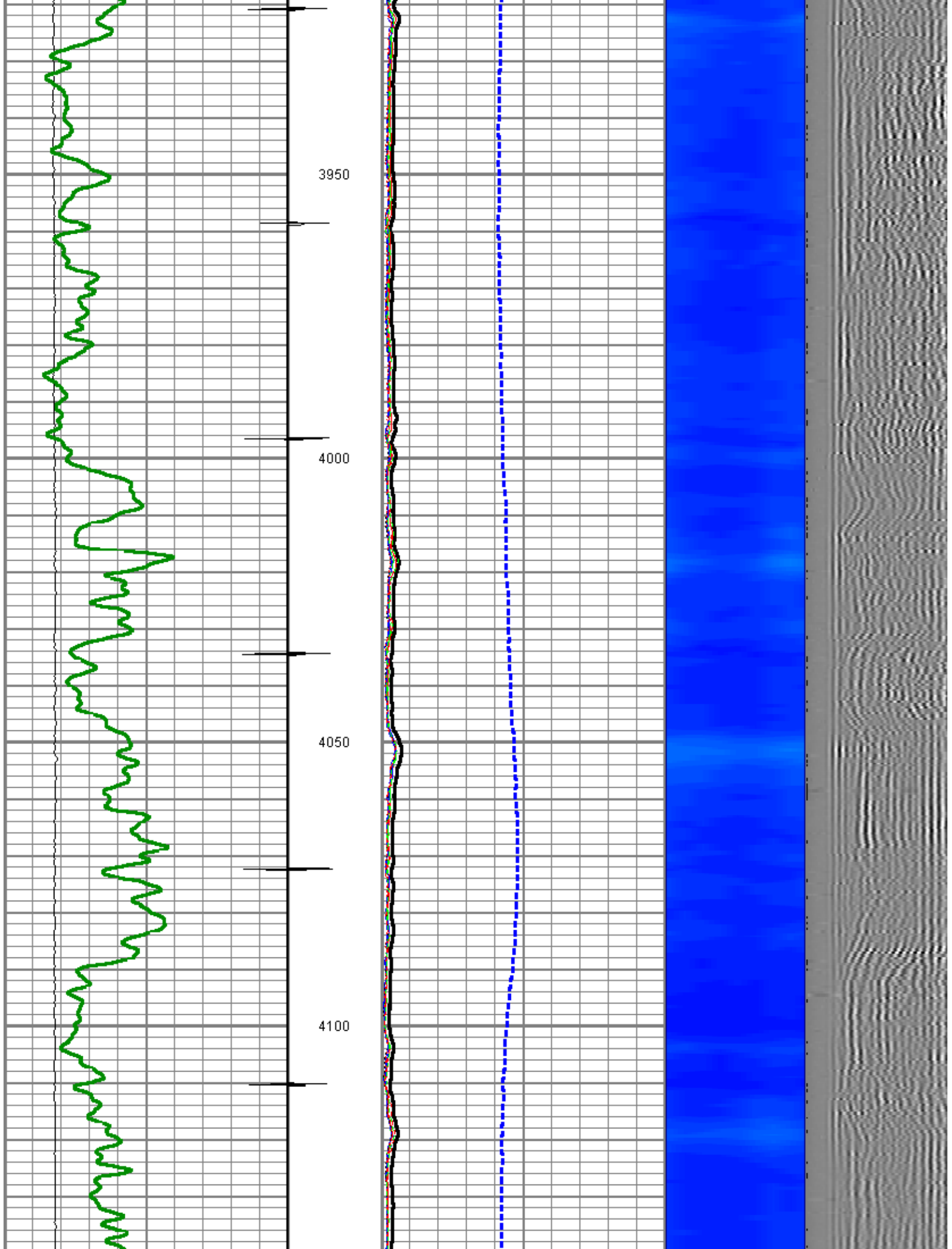


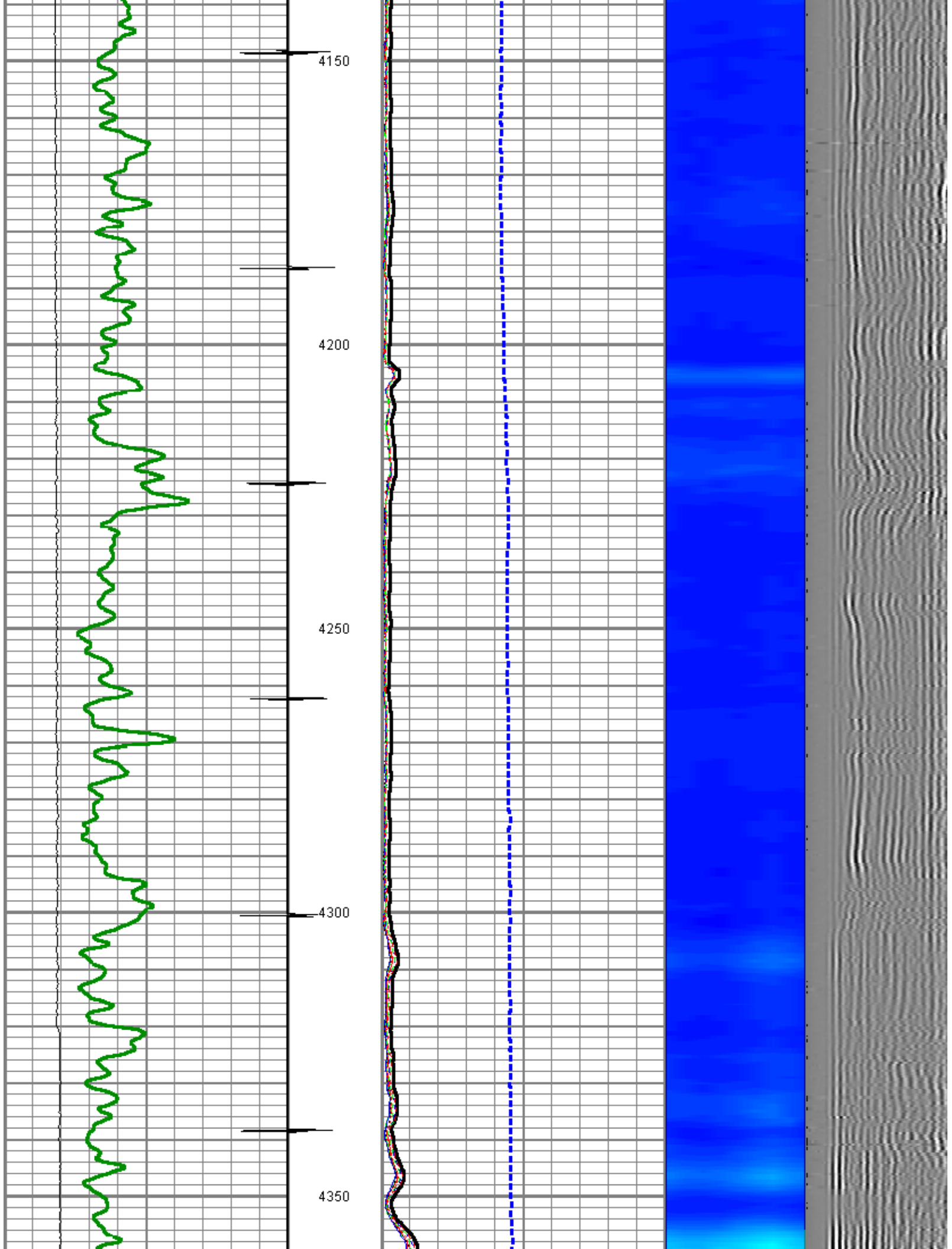


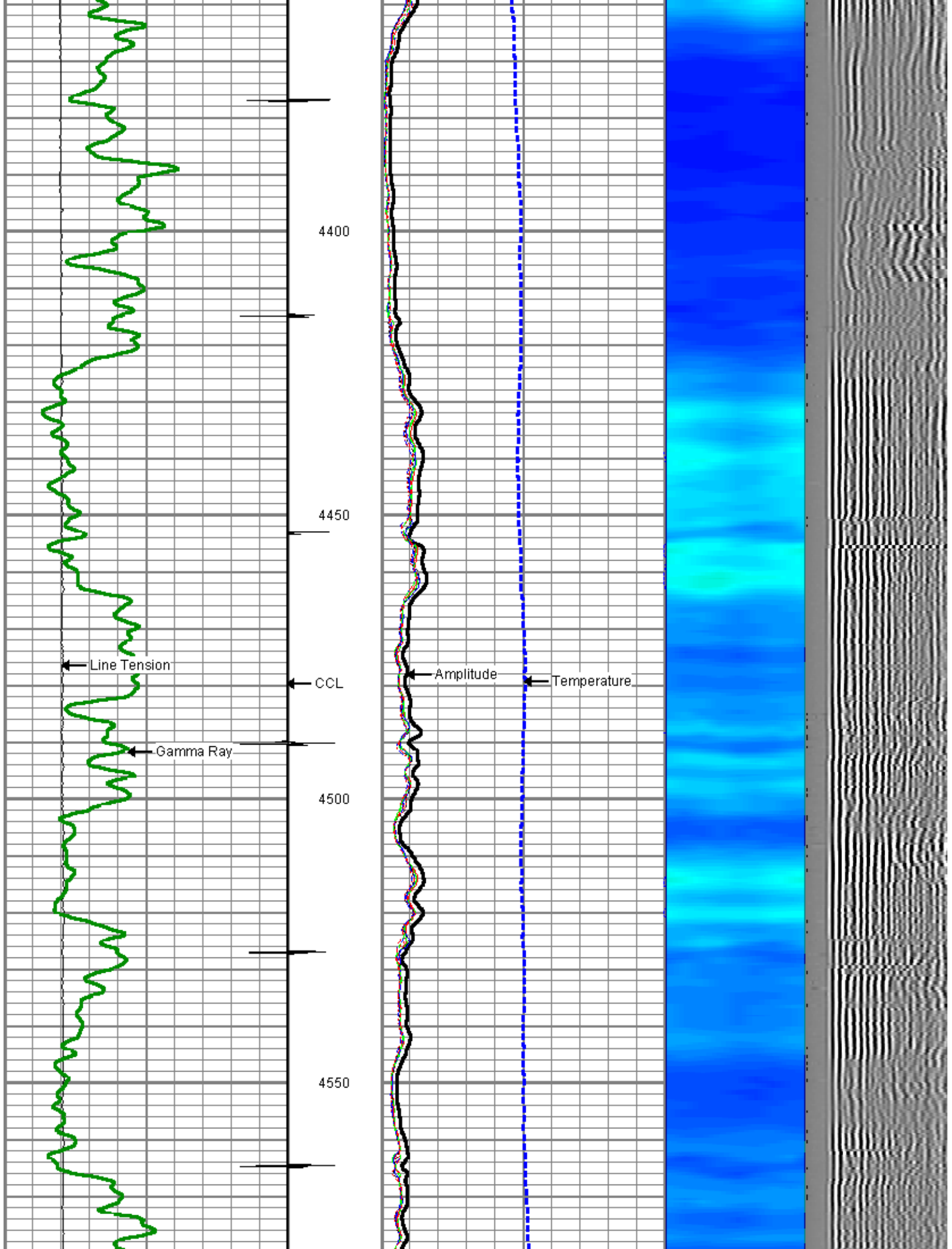


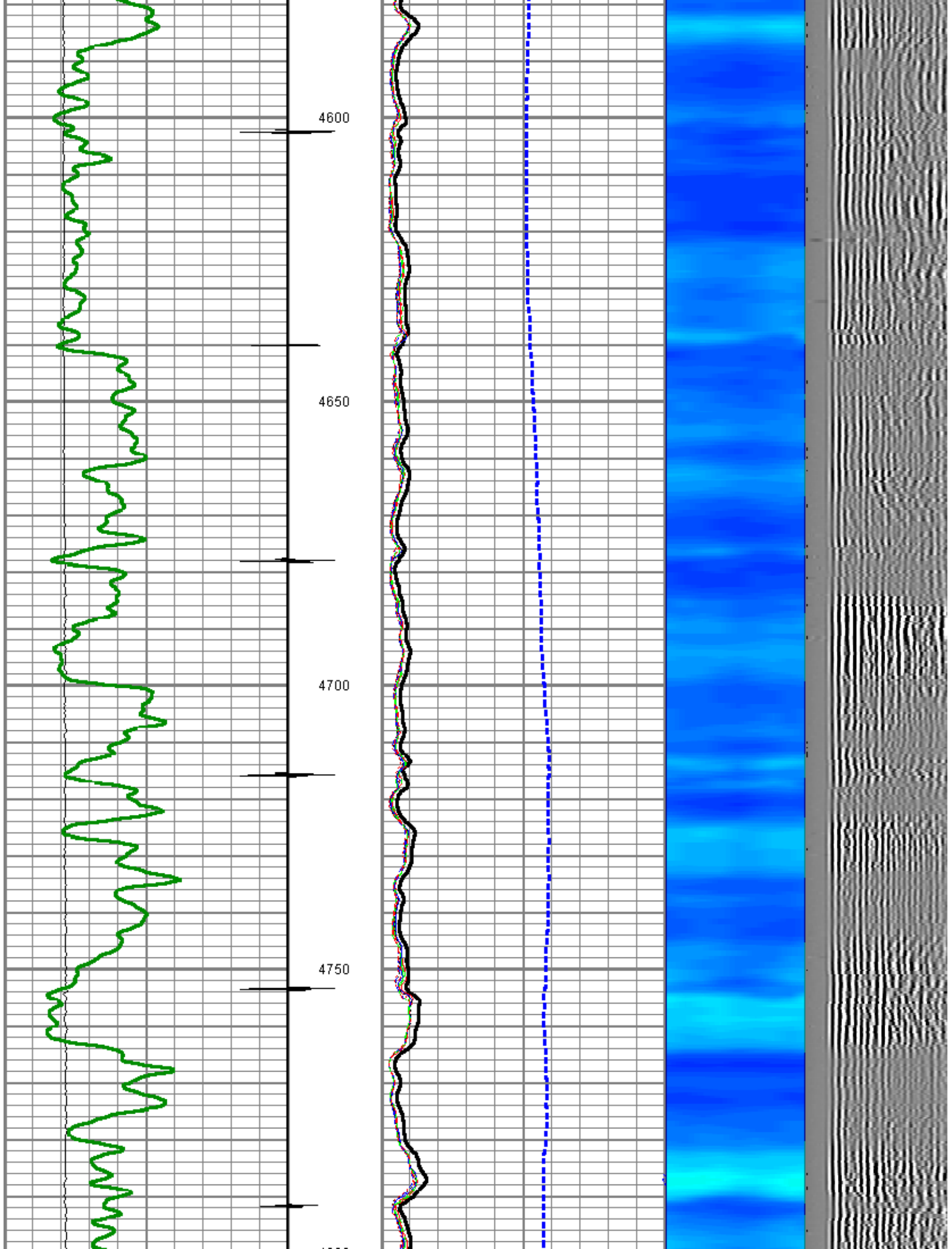


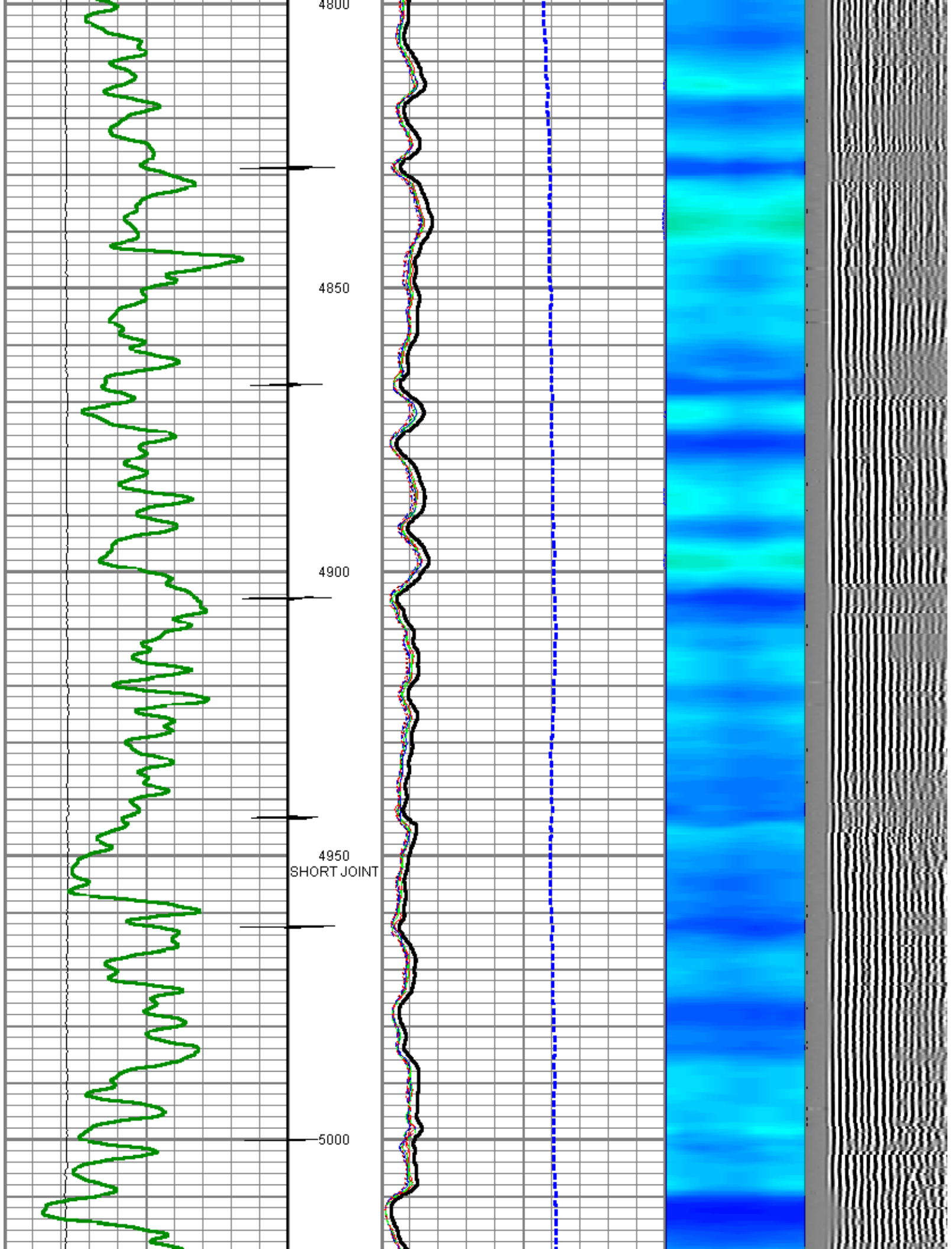


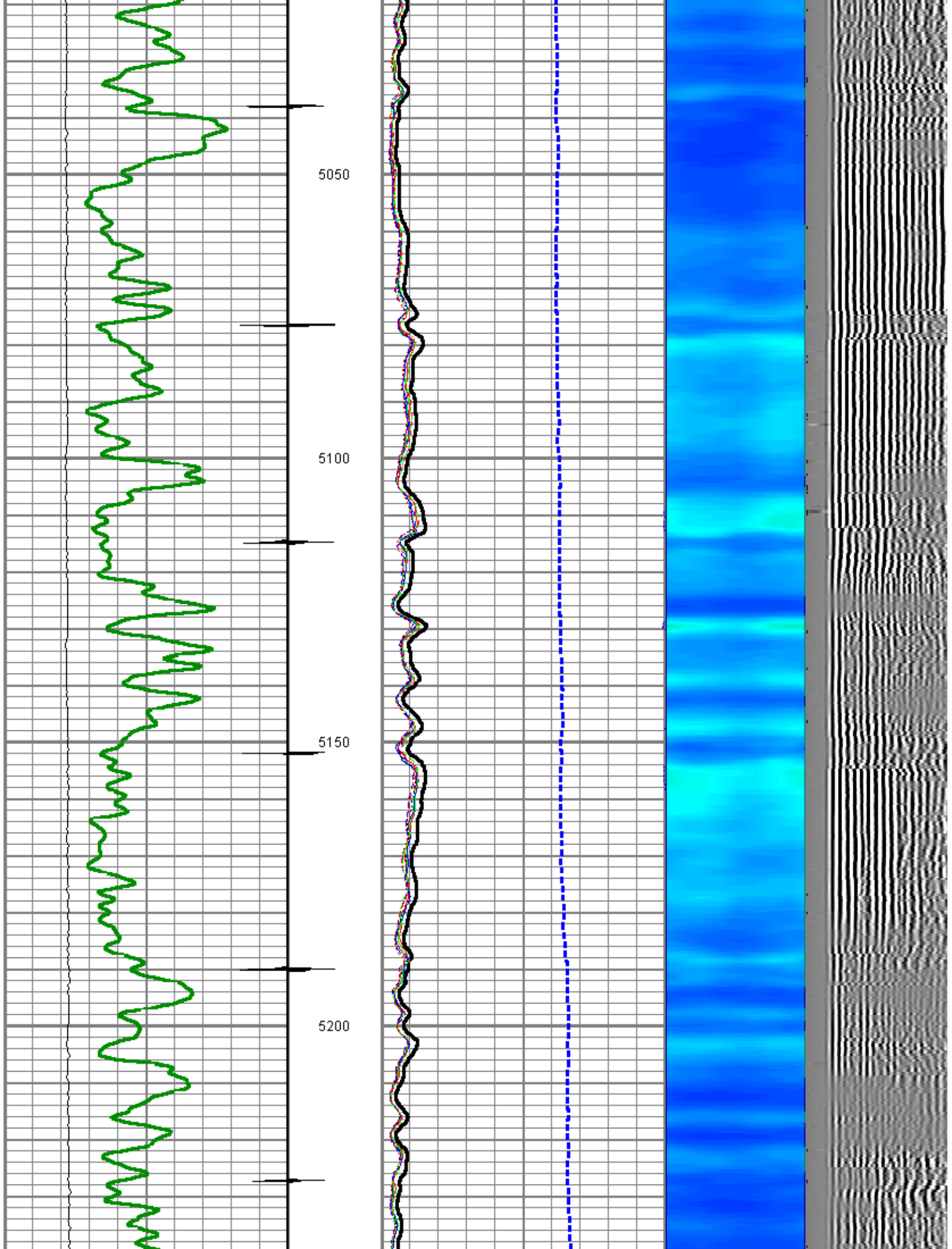


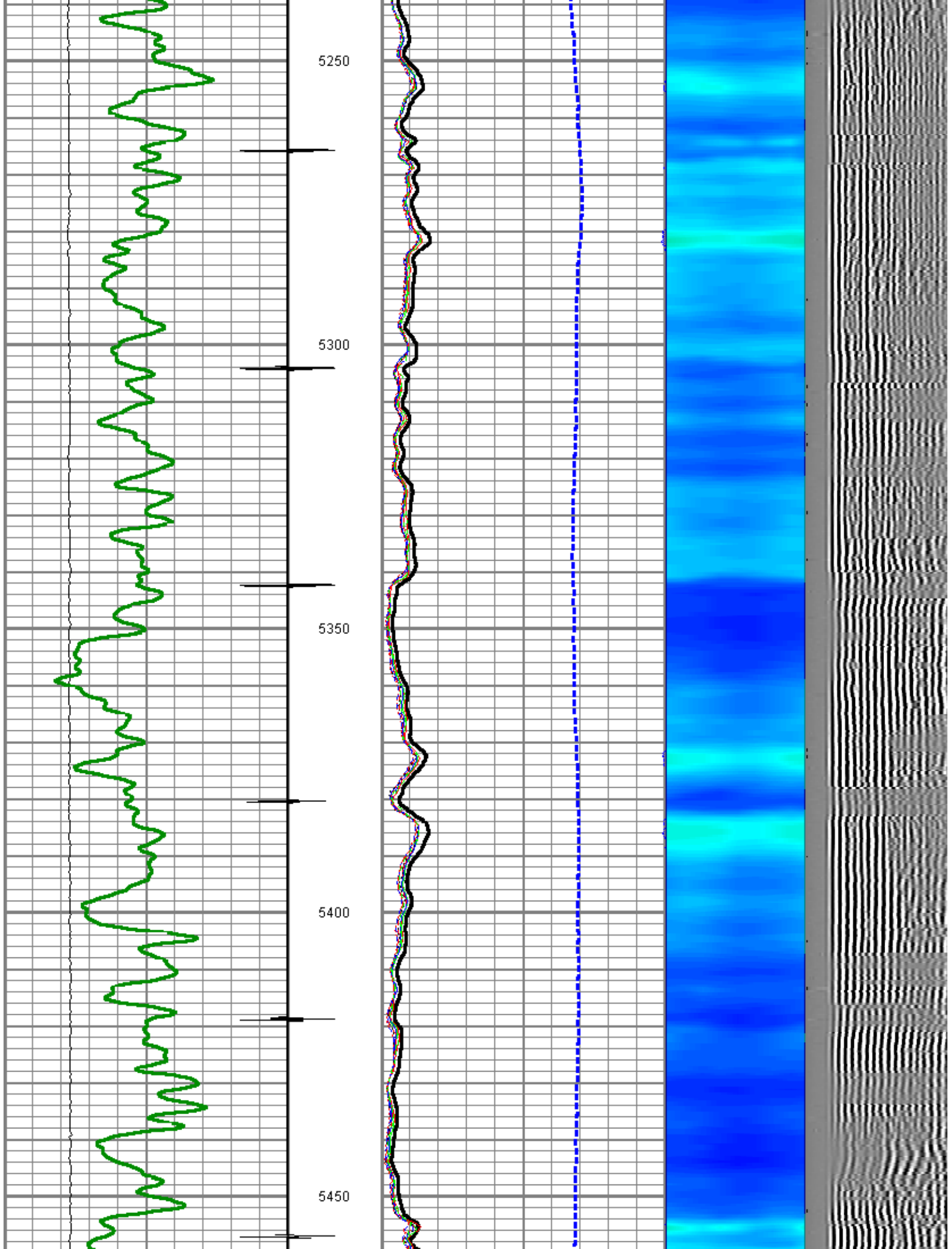


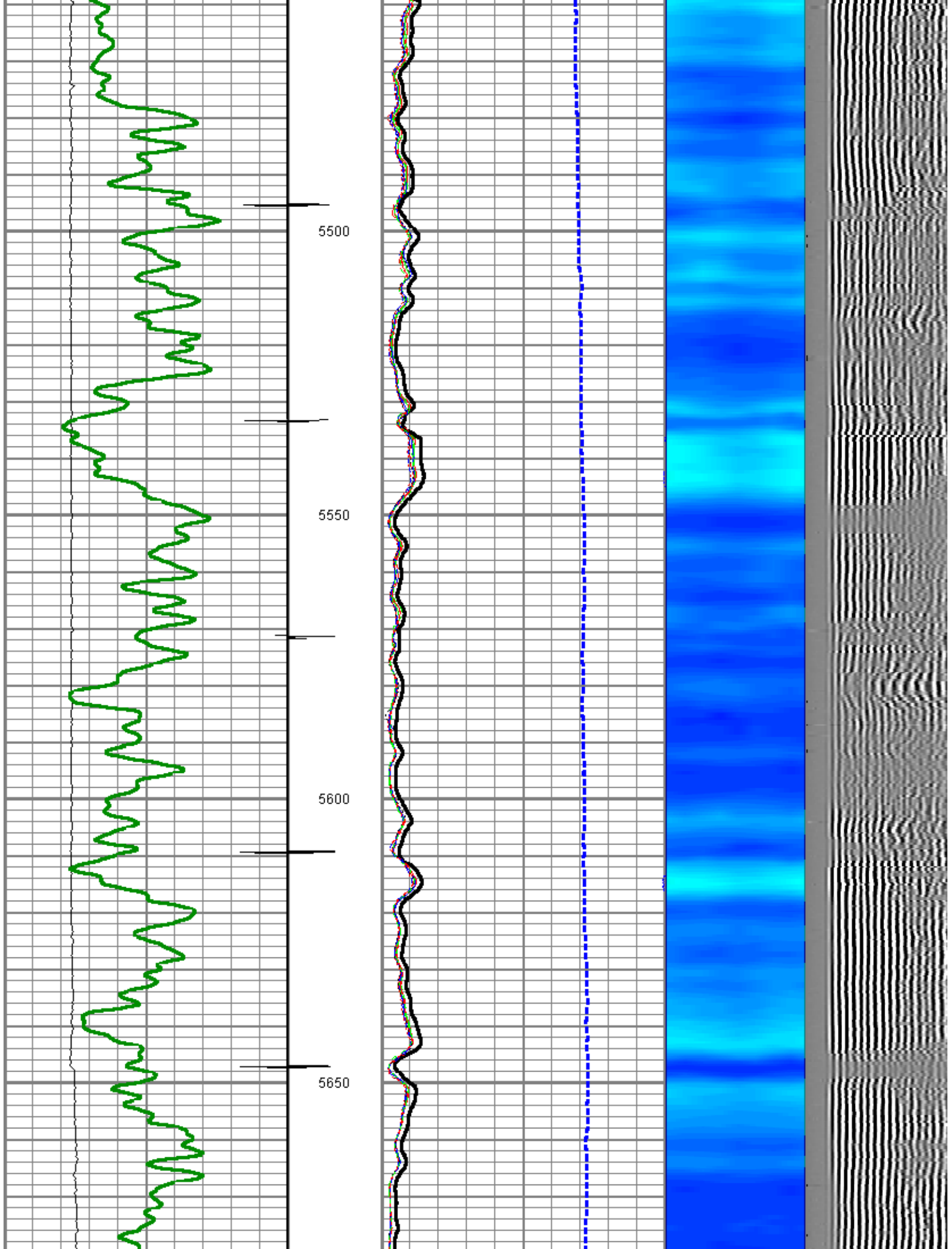


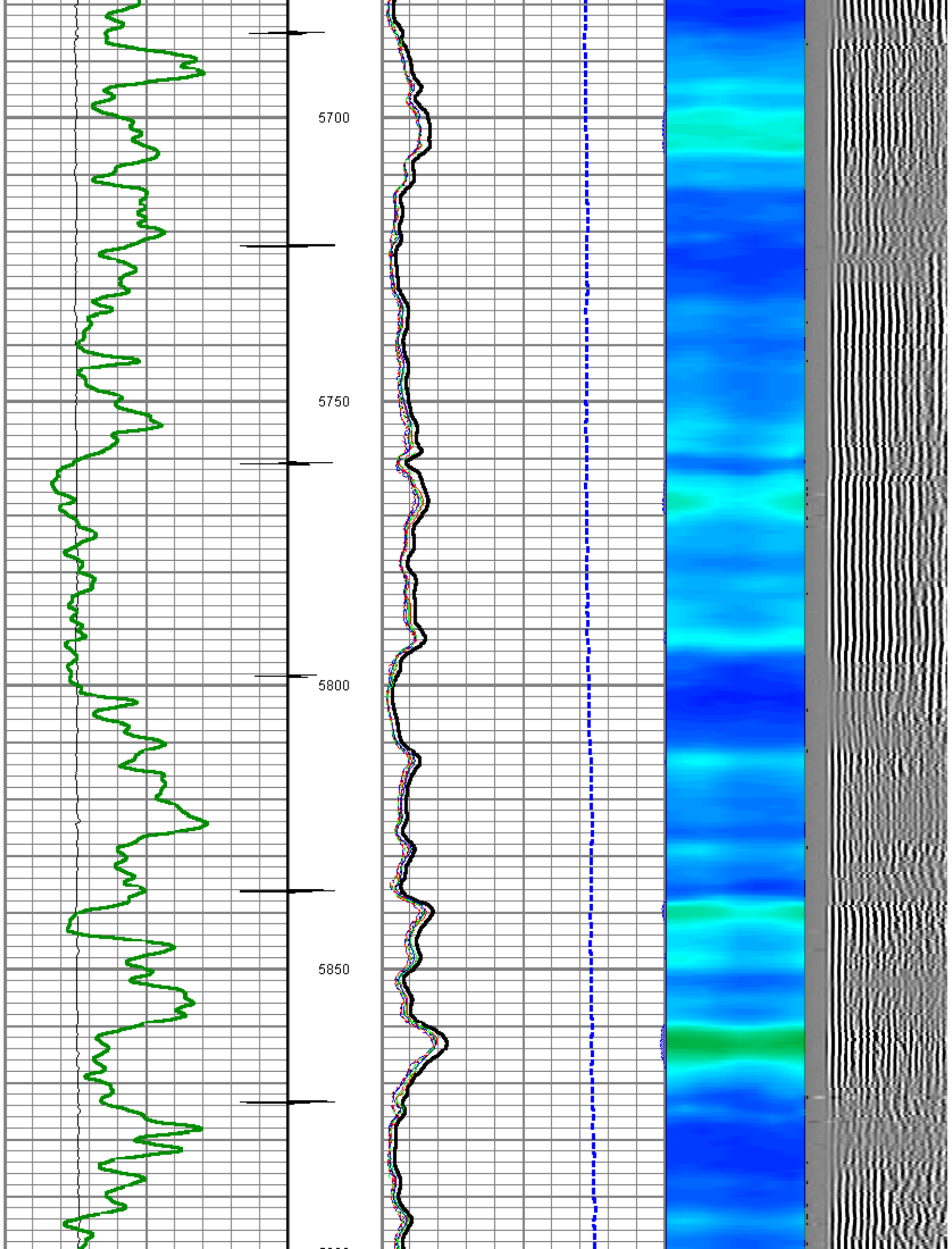


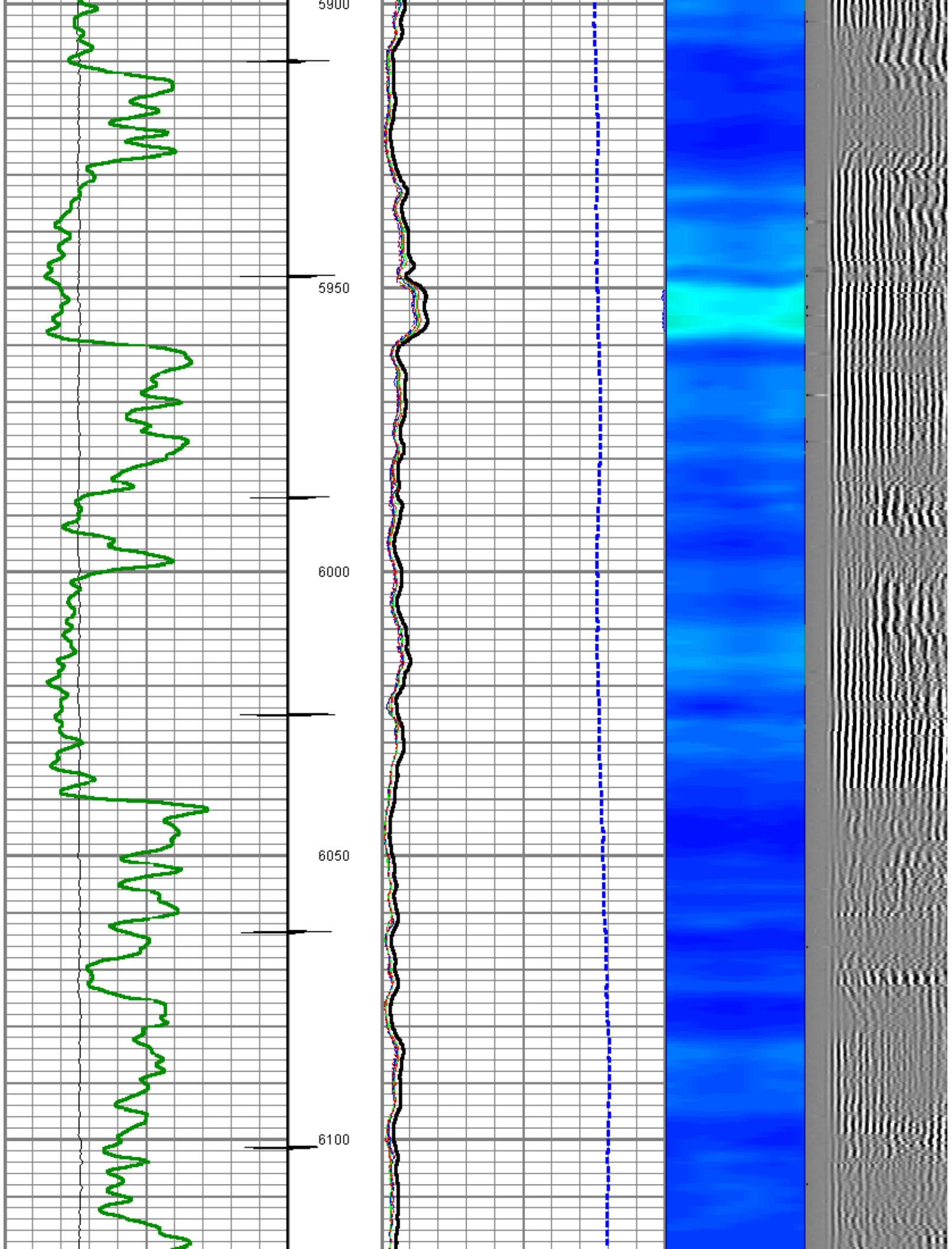


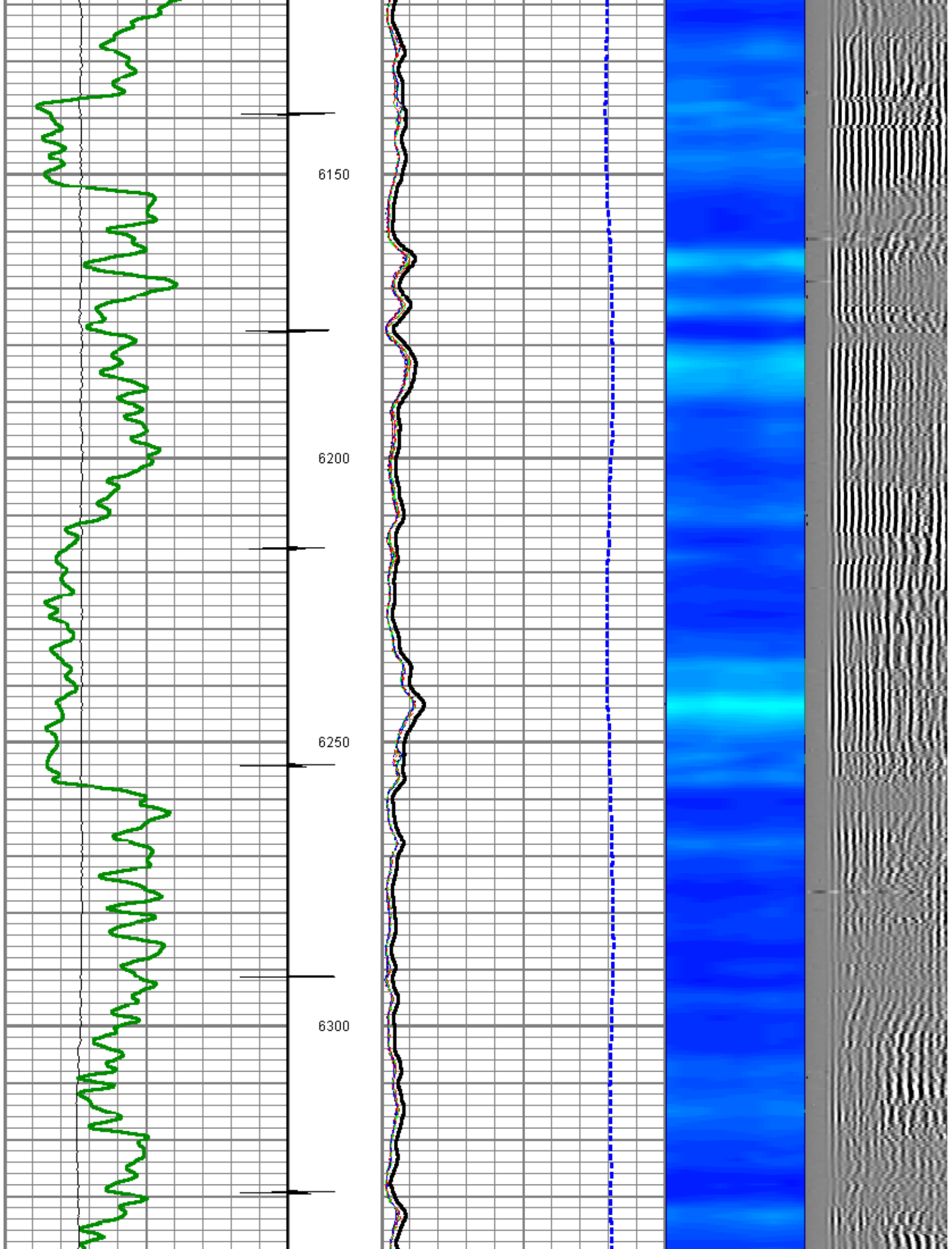


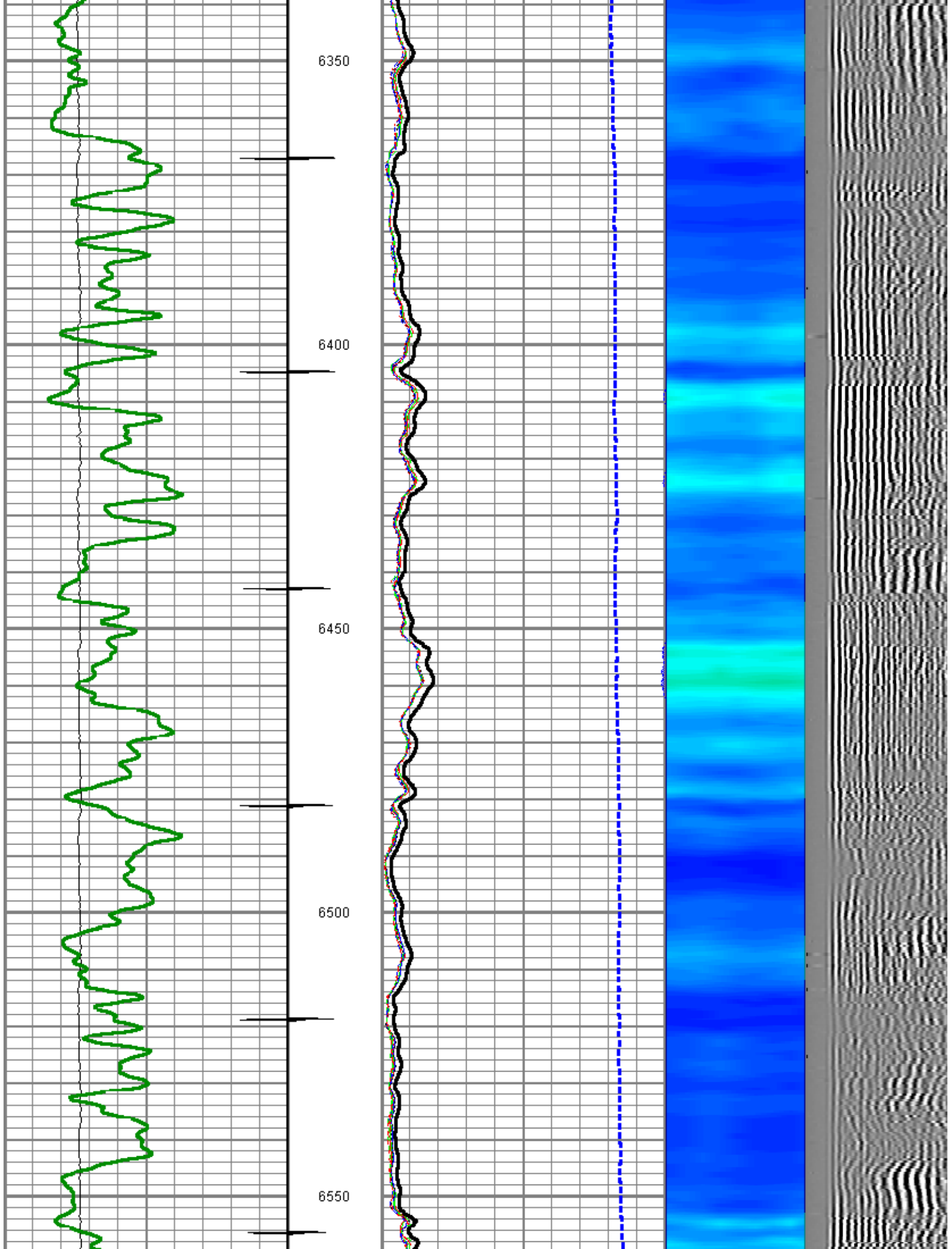


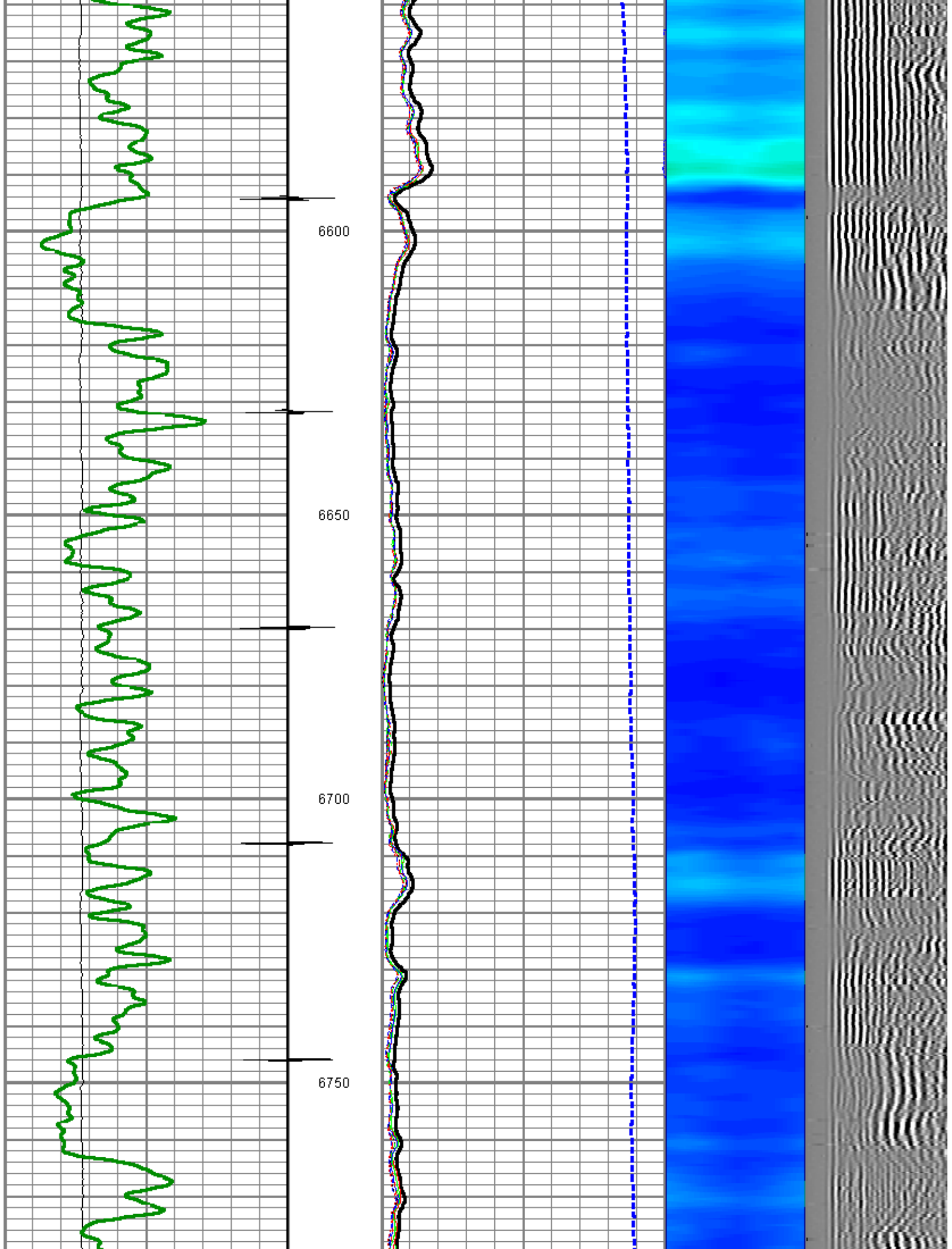


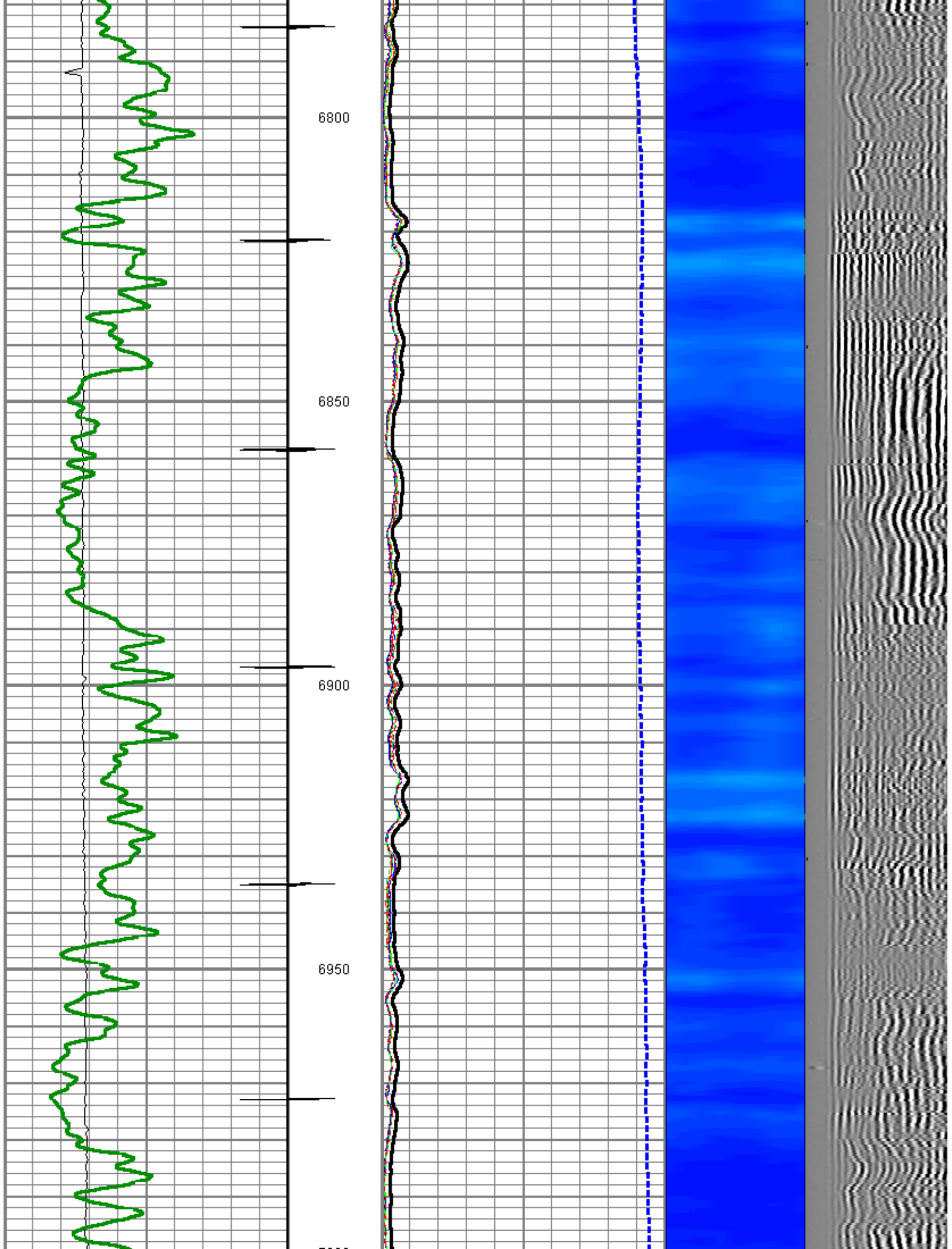


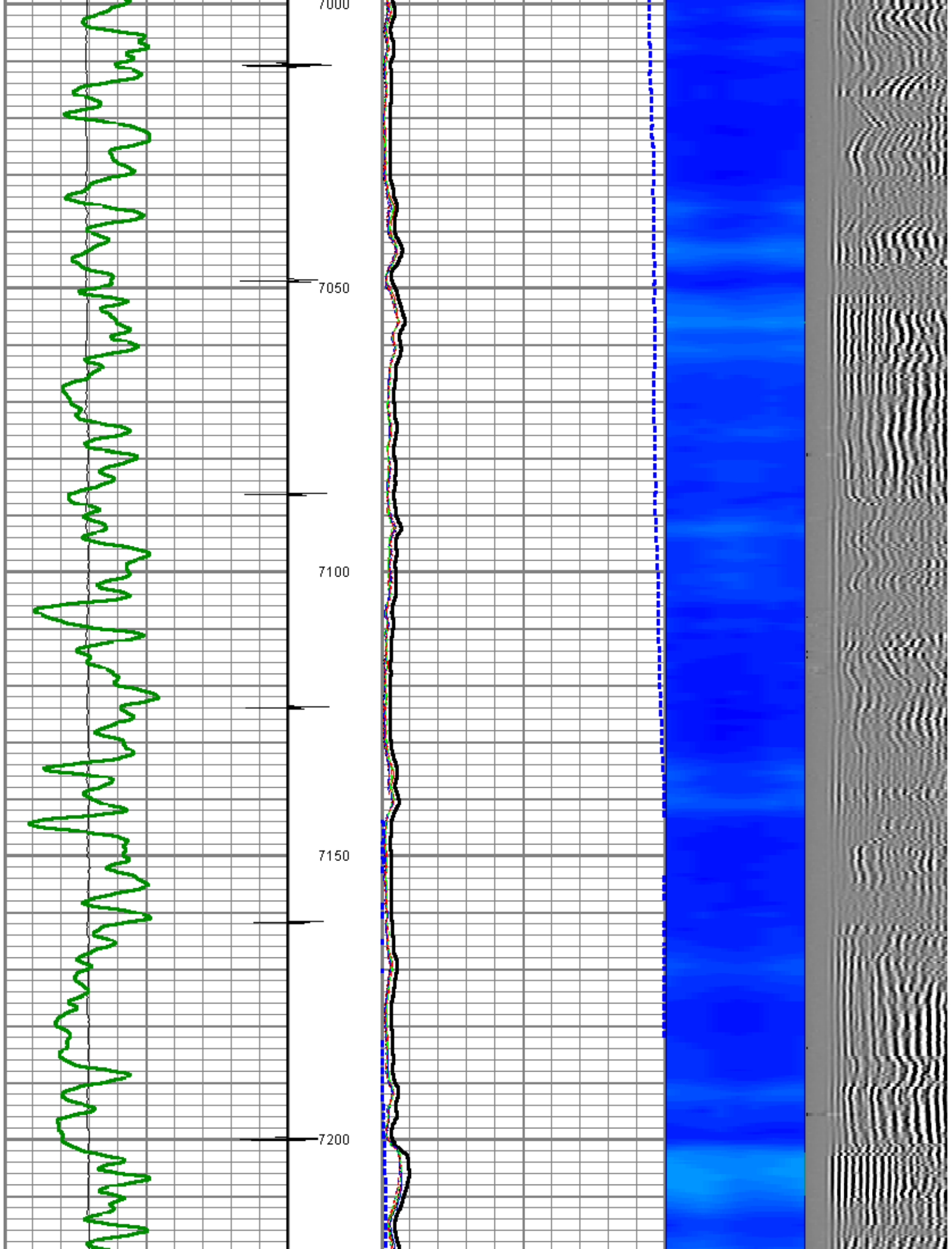


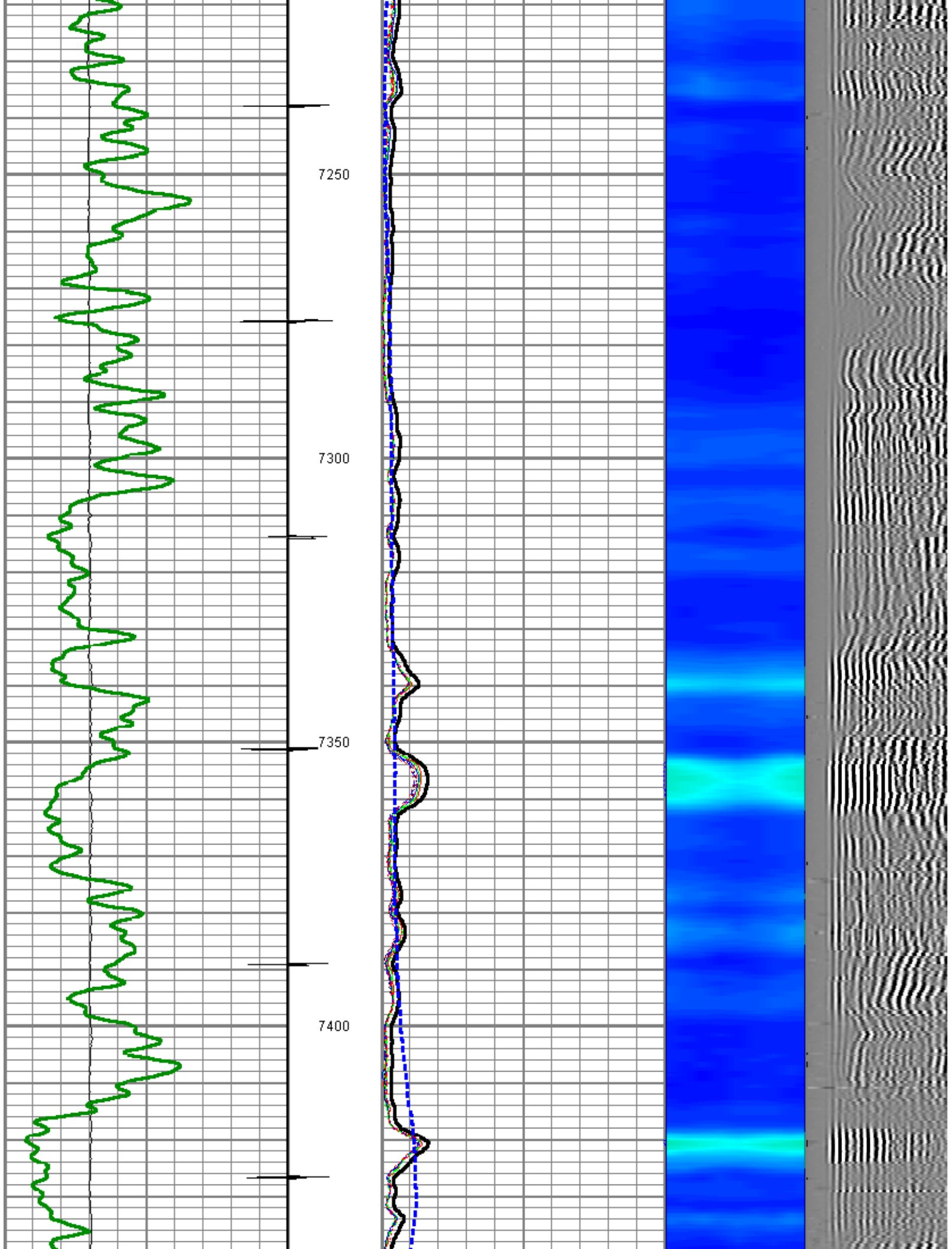


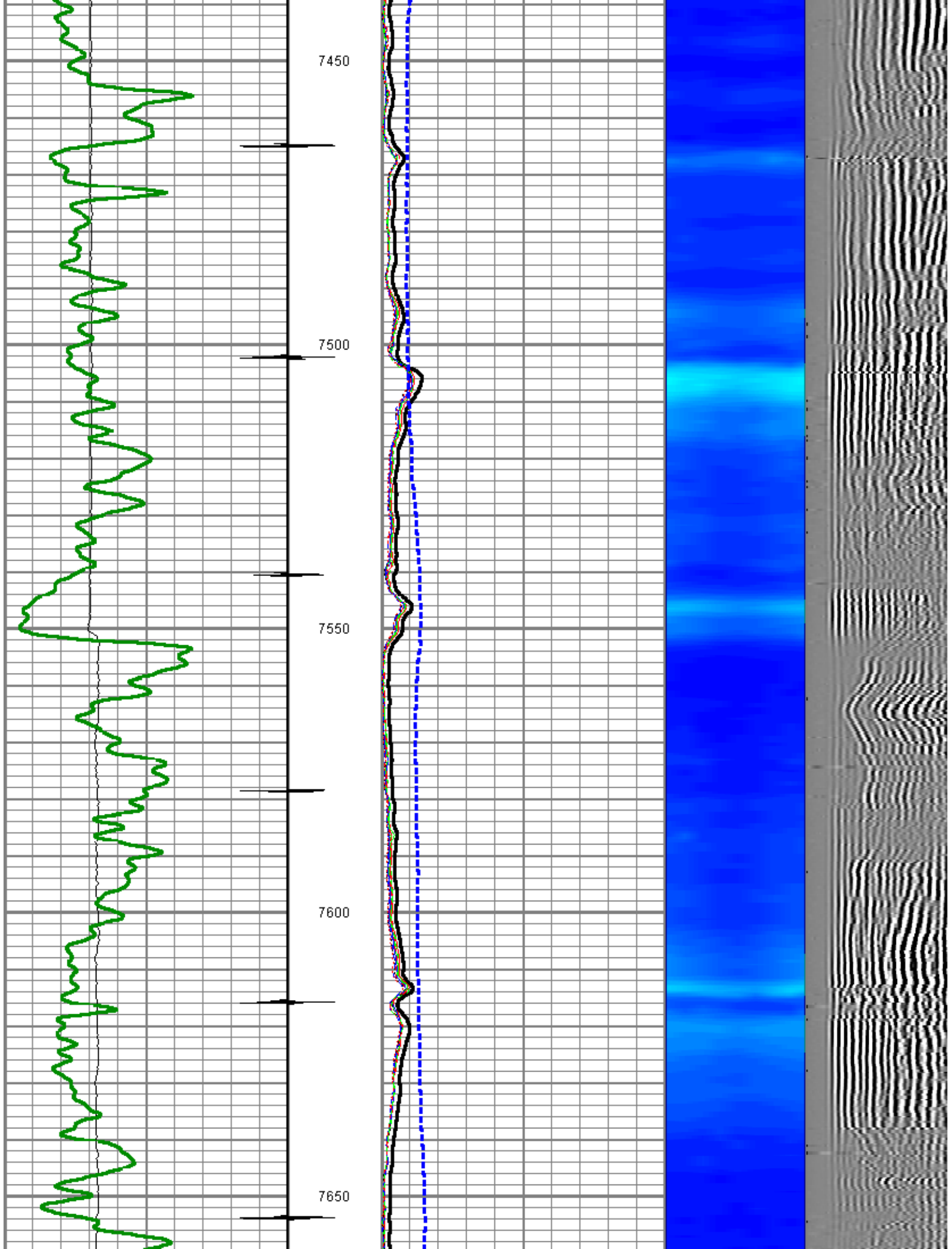


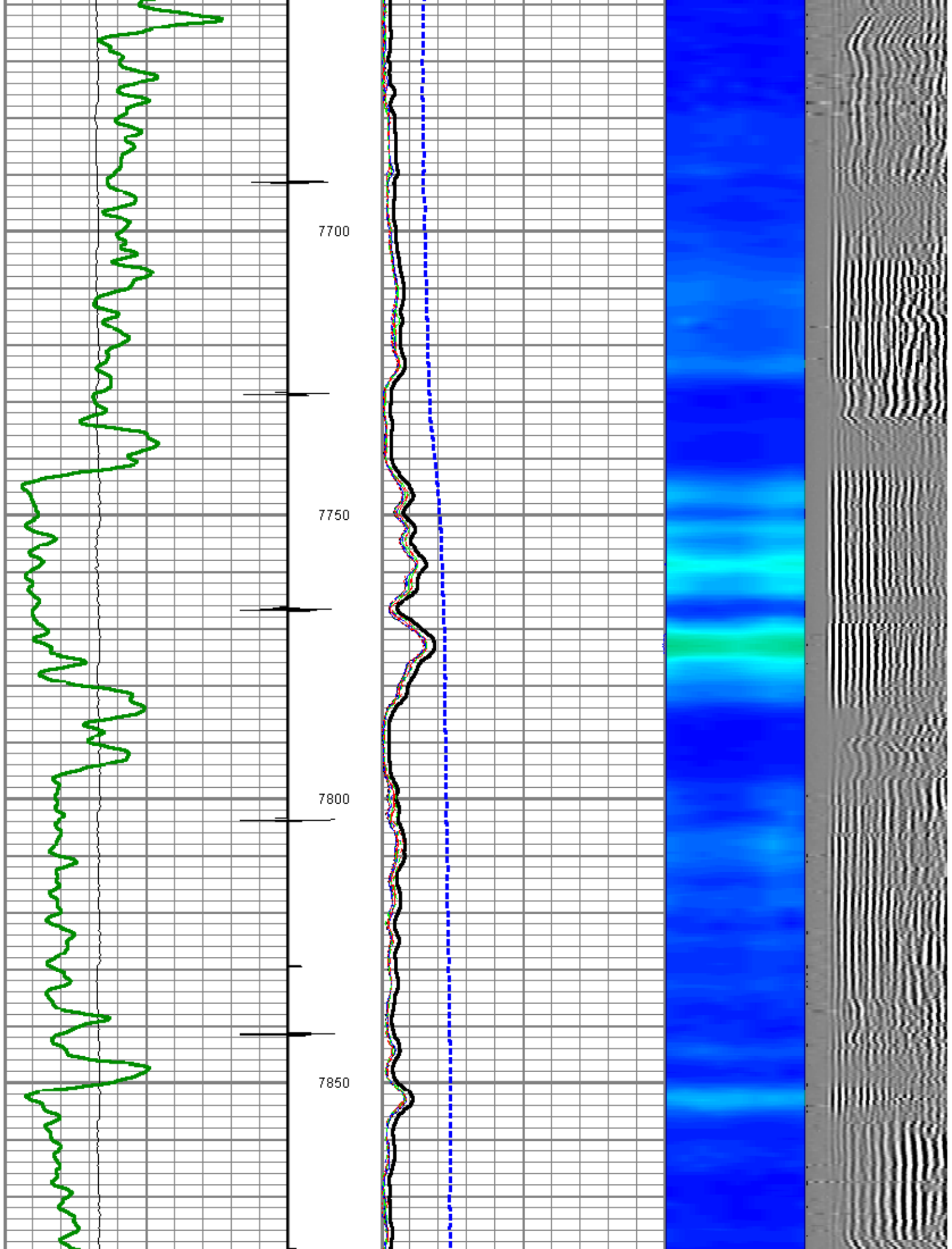


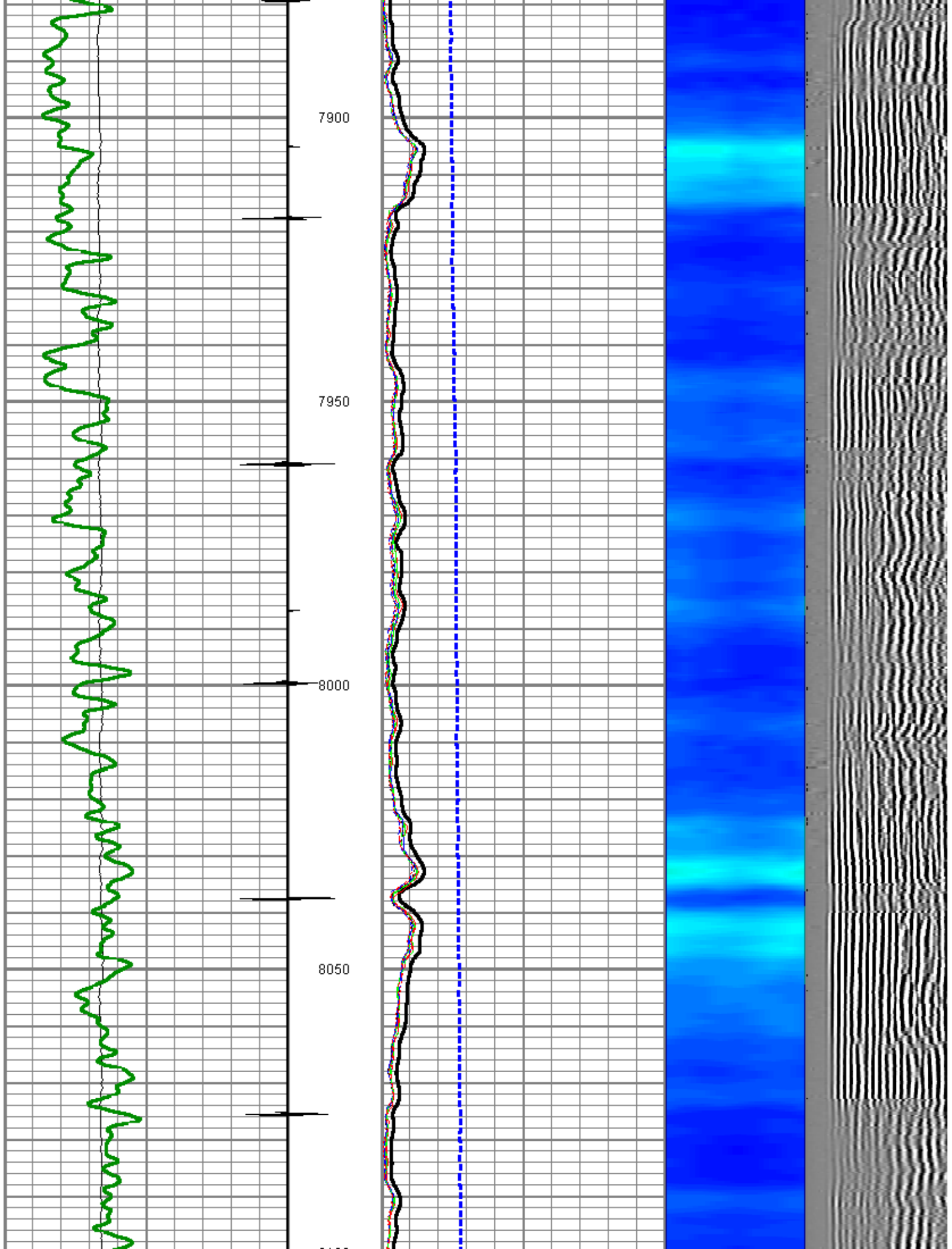


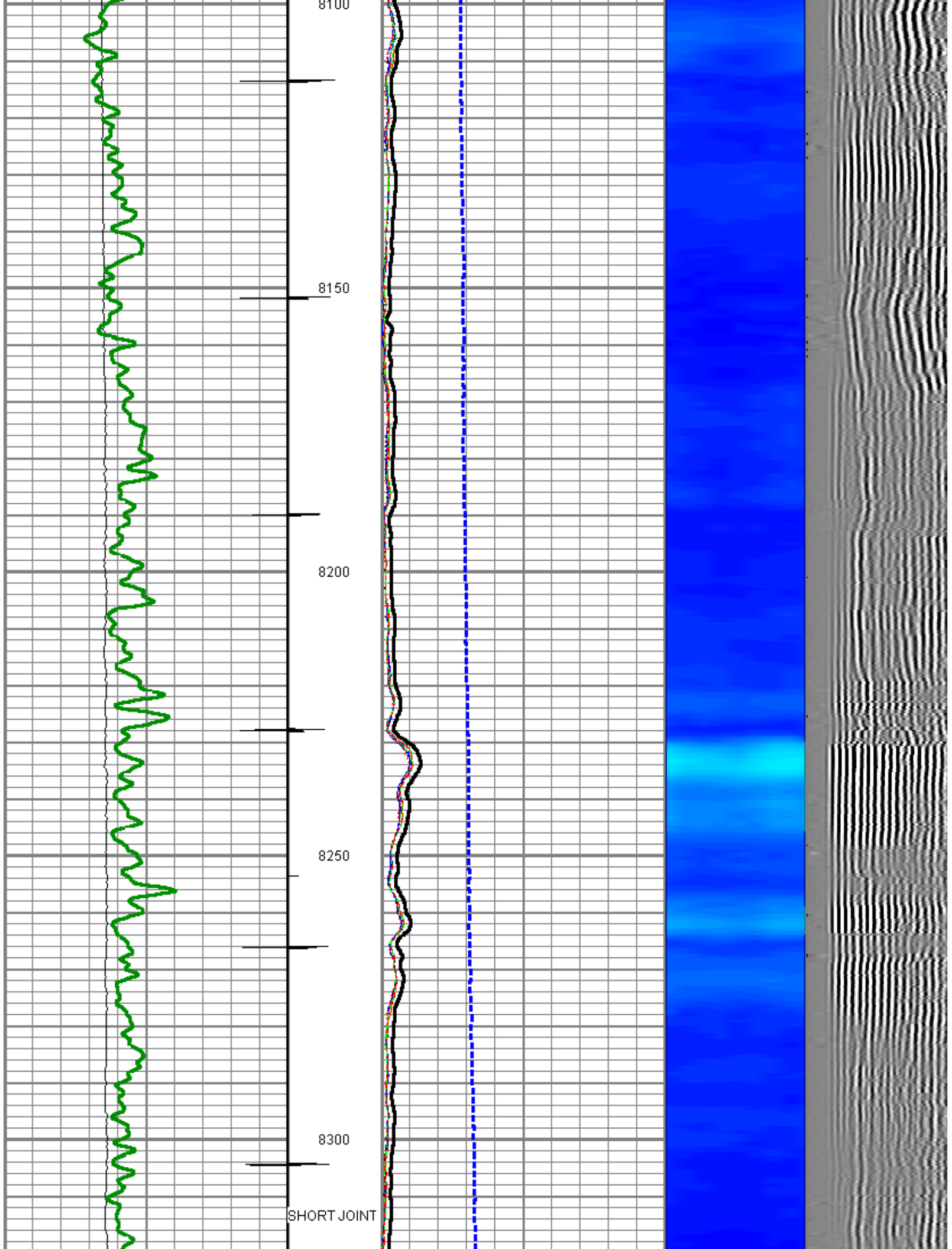


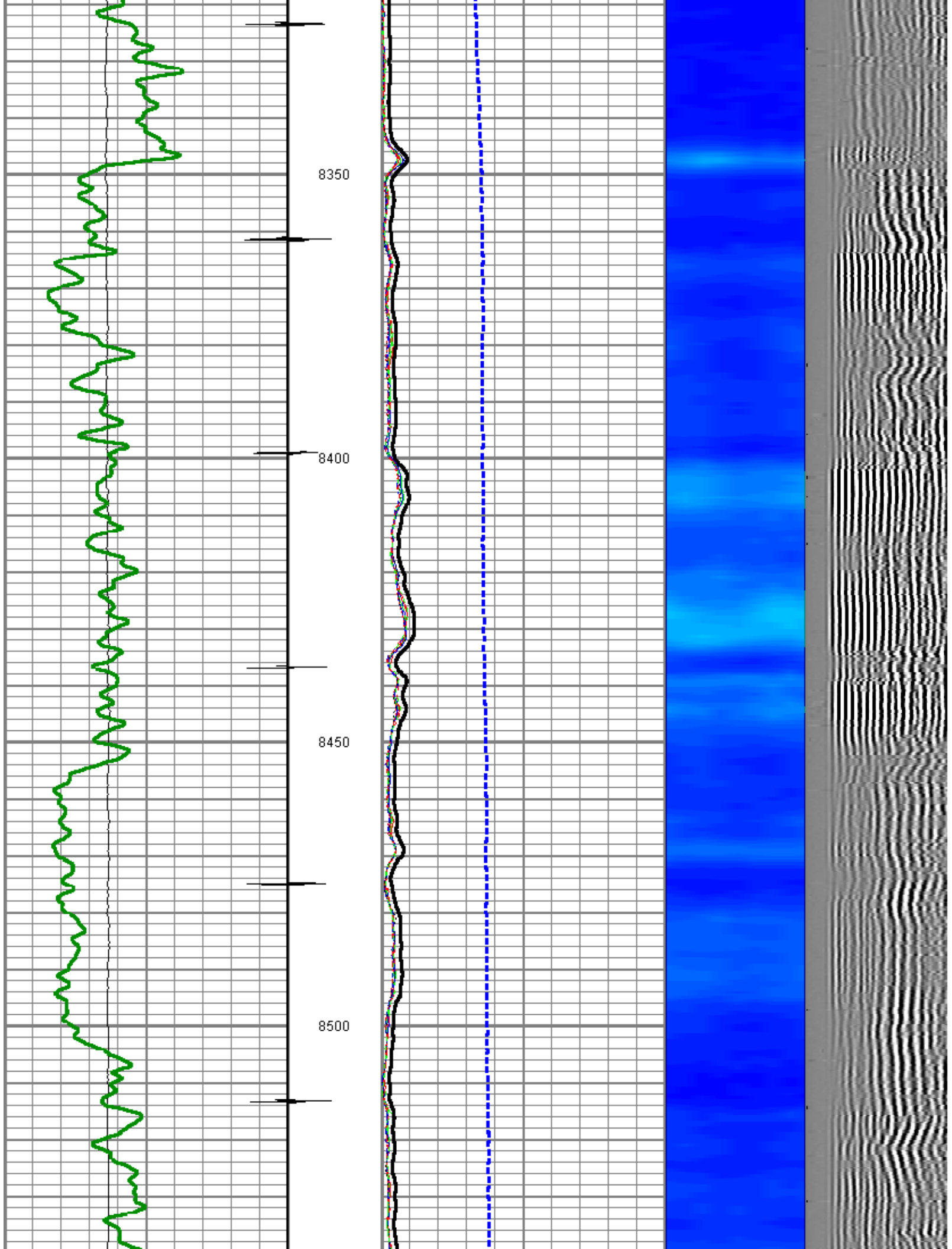


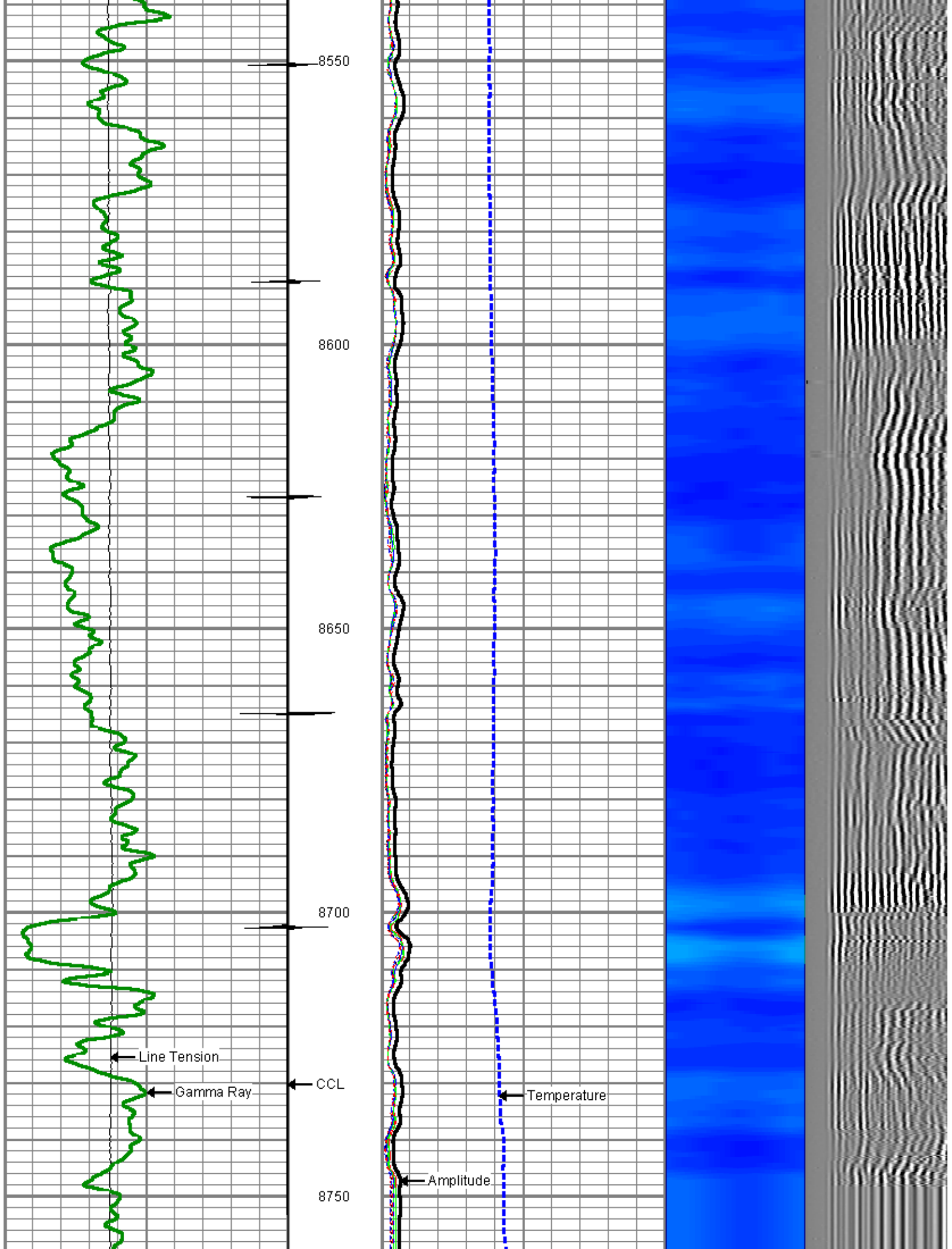


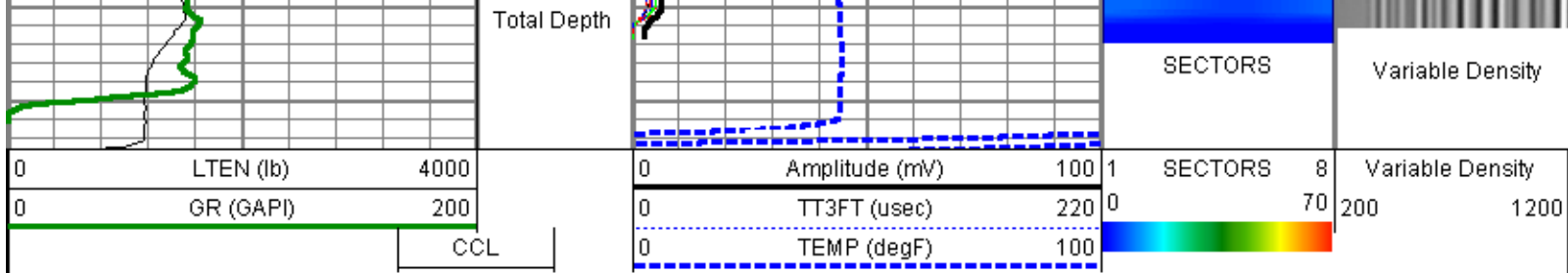




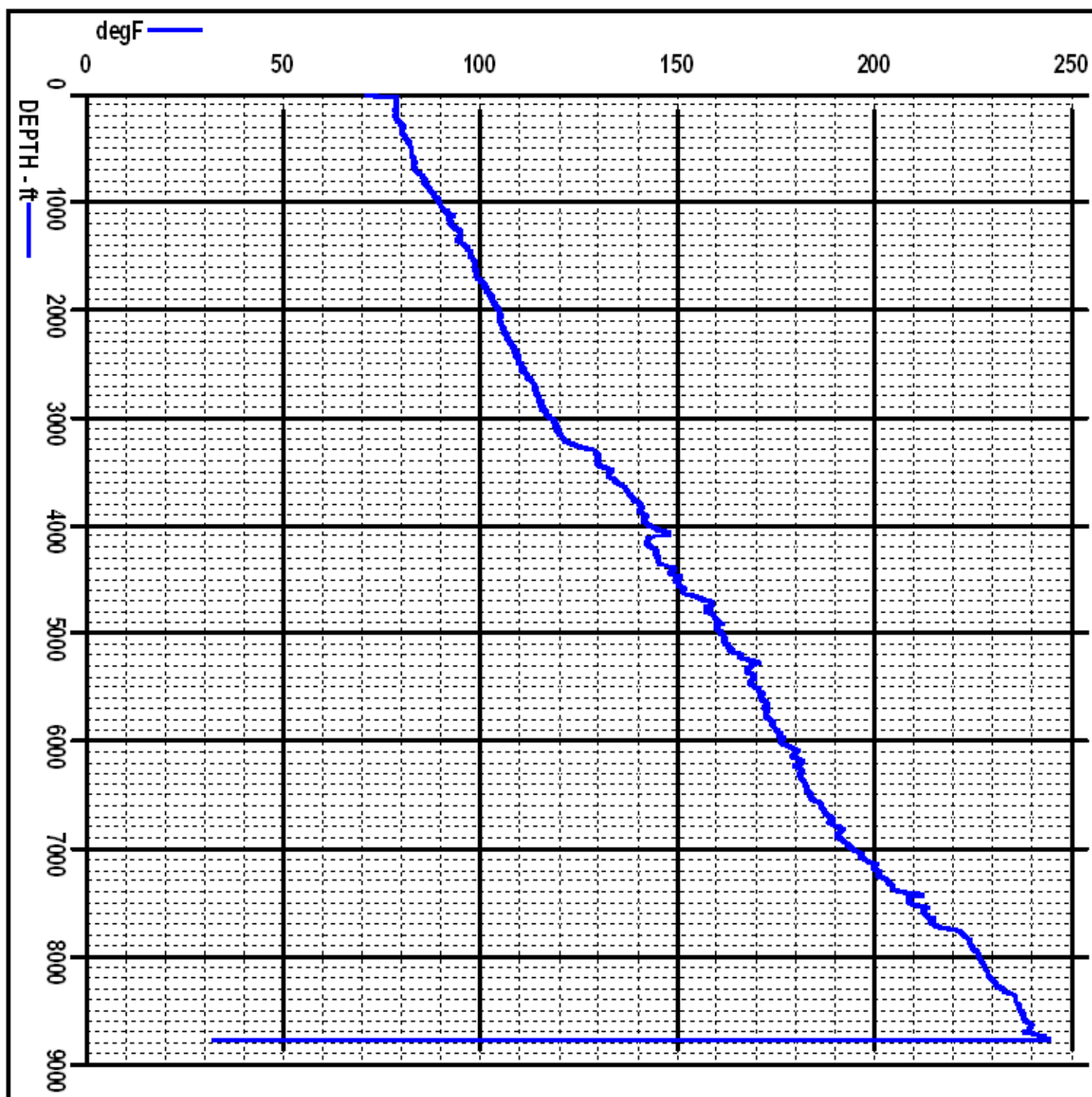


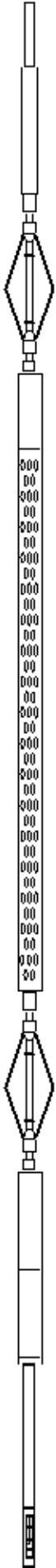
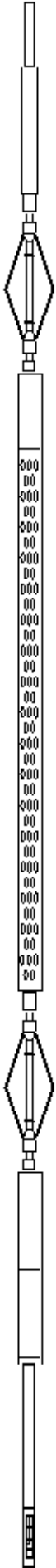
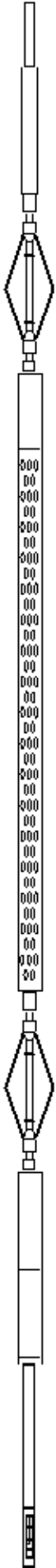
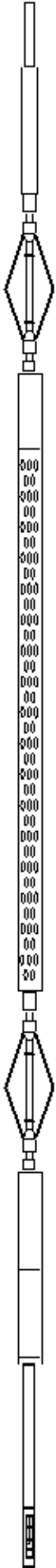






TEMPERATURE PLOT



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	21.68		TITAN	1.02	1.44	1.00
			SNDX_CCL-SNDX_3_13_CCL (000001) CSS Gamma Ray/CCL (CCL Section)	1.92	3.13	11.02
			SONDEX	2.71	2.75	32.00
WVFS3FT	13.92		SNDX_RBT-007 (000002) Radial Bond Tool - Analog 3 1/8	9.47	3.13	140.00
WVFS1	13.92					
WVFS2	13.92					
WVFS3	13.92					
WVFS4	13.92					
WVFS5	13.92					
WVFS6	13.92					
WVFS7	13.92					
WVFS8	13.92					
WVFS5FT	12.92					
GR	5.17		SONDEX	2.71	2.75	32.00
			SNDX_GR-SNDX_3_13_GR (000001) Sondex Production Gamma Ray	2.94	3.13	22.05
			TEMP-SNDX_TEMP (SNDX_TEMP_01) Sondex Production Temperature Tool	3.14	1.63	10.00
TEMP	0.58					

Total weight: 248.07 lb
O.D. 3.13 in



Company	ANTERO RESOURCES CORPORATION
Well	NORCROSS A15
Field	MAMM CREEK
County	GARFIELD
State	COLORADO