



CEMENT BOND LOG

Mesa Wireline

Company	ANTERO RESOURCES CORPORATION		
Well	NORCROSS A14		
Field	MAMM CREEK		
County	GARFIELD		
State	COLORADO		
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State	COLORADO		
Location:	API #: 05045151680000		Other Services
SEC: 13 TWP: 06S RGE: 93W		NONE	
Permanent Datum	GROUND LEVEL		Elevation
Log Measured From	KELLY BUSHING = 22 FT		K.B. 5519
Drilling Measured From	KELLY BUSHING		D.F. 5518
			G.L. 5497

Date	15 JUL Y 2008		
Run Number	ONE		
Depth Driller	8712		
Depth Logger	8720		
Bottom Logged Interval	8720		
Top Log Interval	SURFACE		
Open Hole Size	7.875"		
Type Fluid	WATER		
Density / Viscosity	~8.34#		
Max. Recorded Temp.	258 DEG F		
Estimated Cement Top	4250		
Time Well Ready	N/A		
Time Logger on Bottom	N/A		
Equipment Number	ST0302RBT02		
Location	GRAND JUNCTION		
Recorded By	D. SOLIS		
Witnessed By	CRAIG		

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
N/A				N/A			
Casing Record		Size		Wd/Lft	Top		Bottom
Surface String		8.625"		24.0#	SURFACE		1250'
Prod. String							
Production String		5.5"		17.0#	SURFACE		T.D.
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 @: 5009' TO 5028' AND 8210' TO 8229'.

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



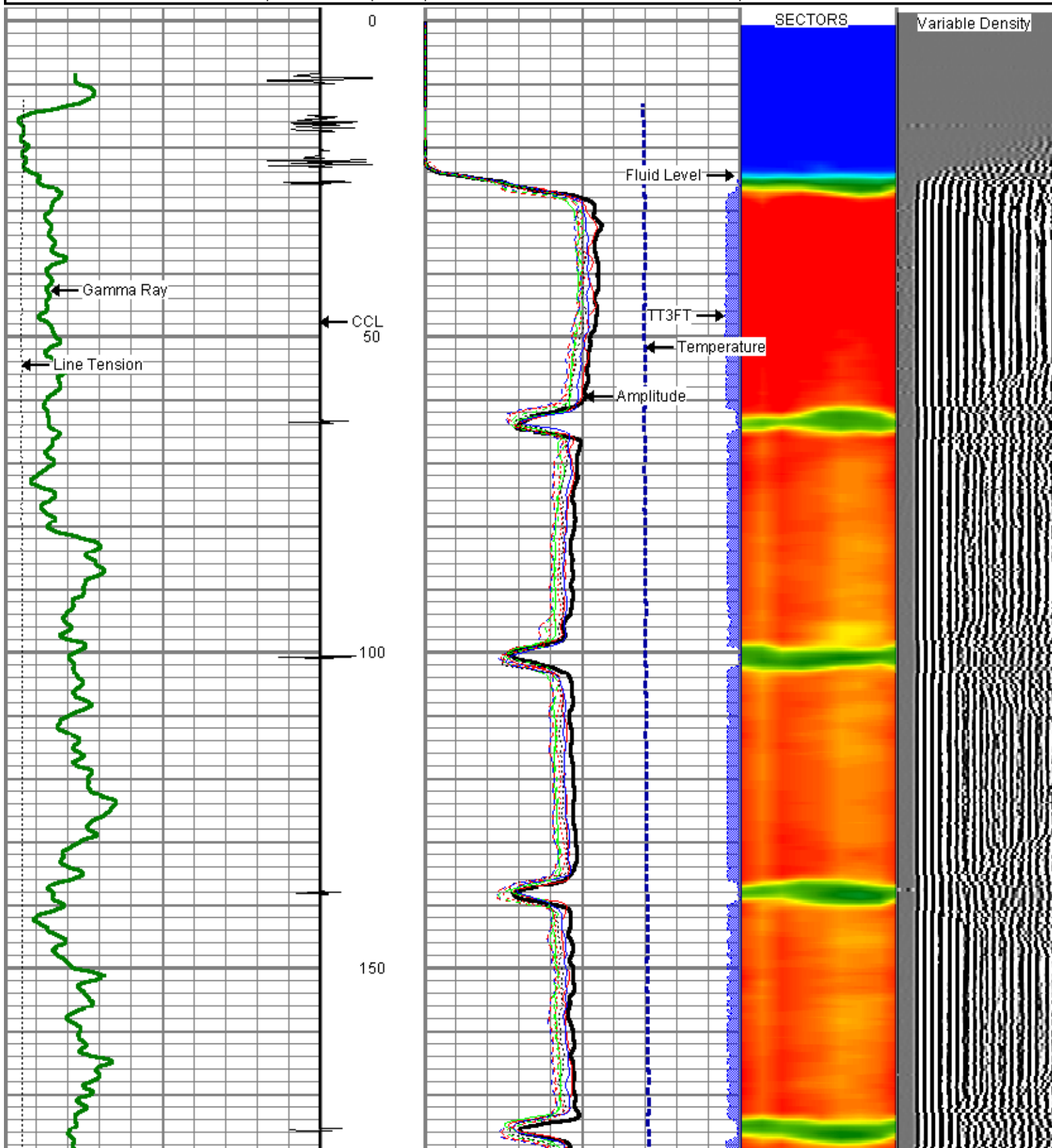
MAIN LOG SECTION

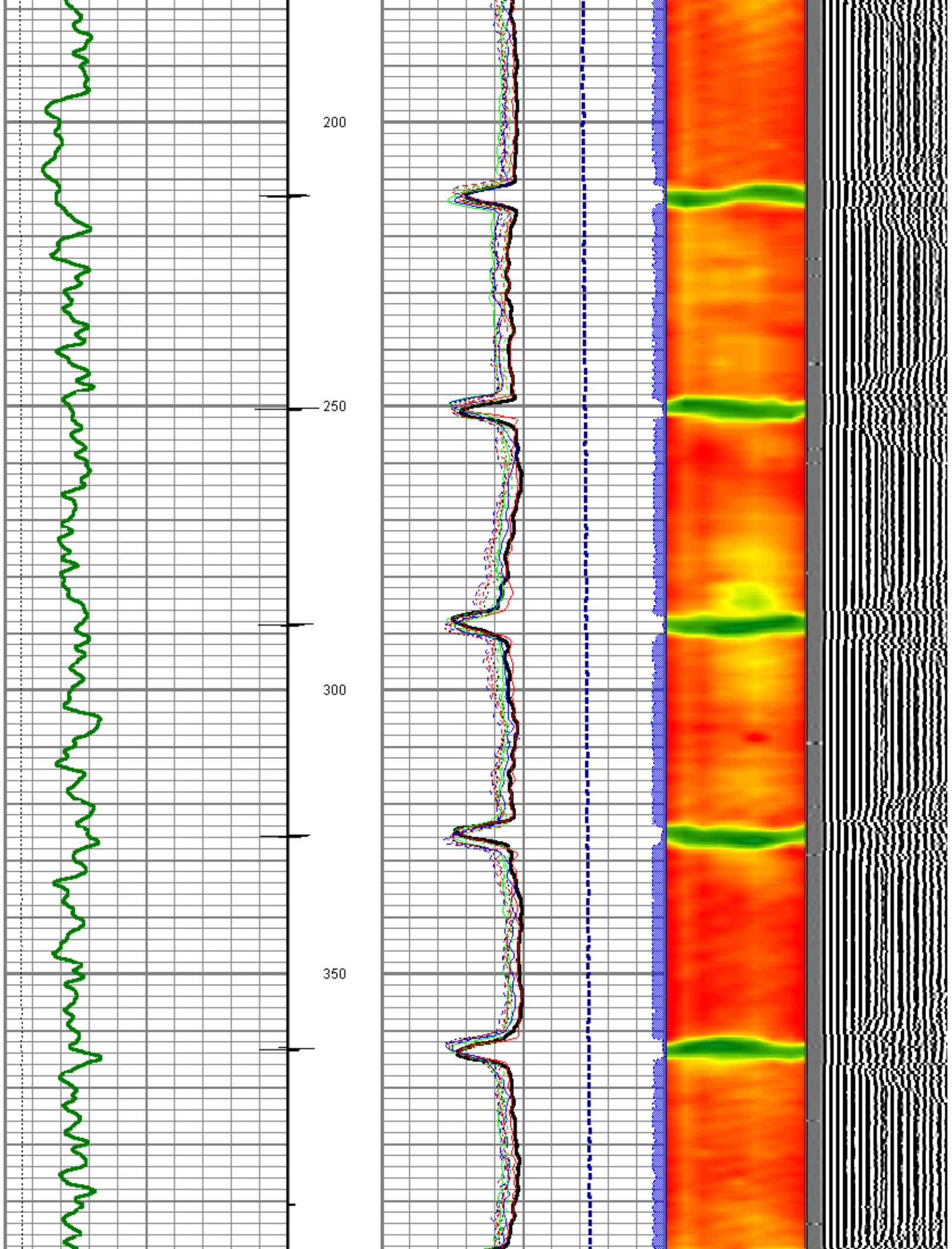
Database File: a_noracbl.db
 Dataset Pathname: pass2
 Presentation Format: rbtfinal
 Dataset Creation: Tue Jul 15 08:45:23 2008 by Log Std Casedhole 07122
 Charted by: Depth in Feet scaled 1:240

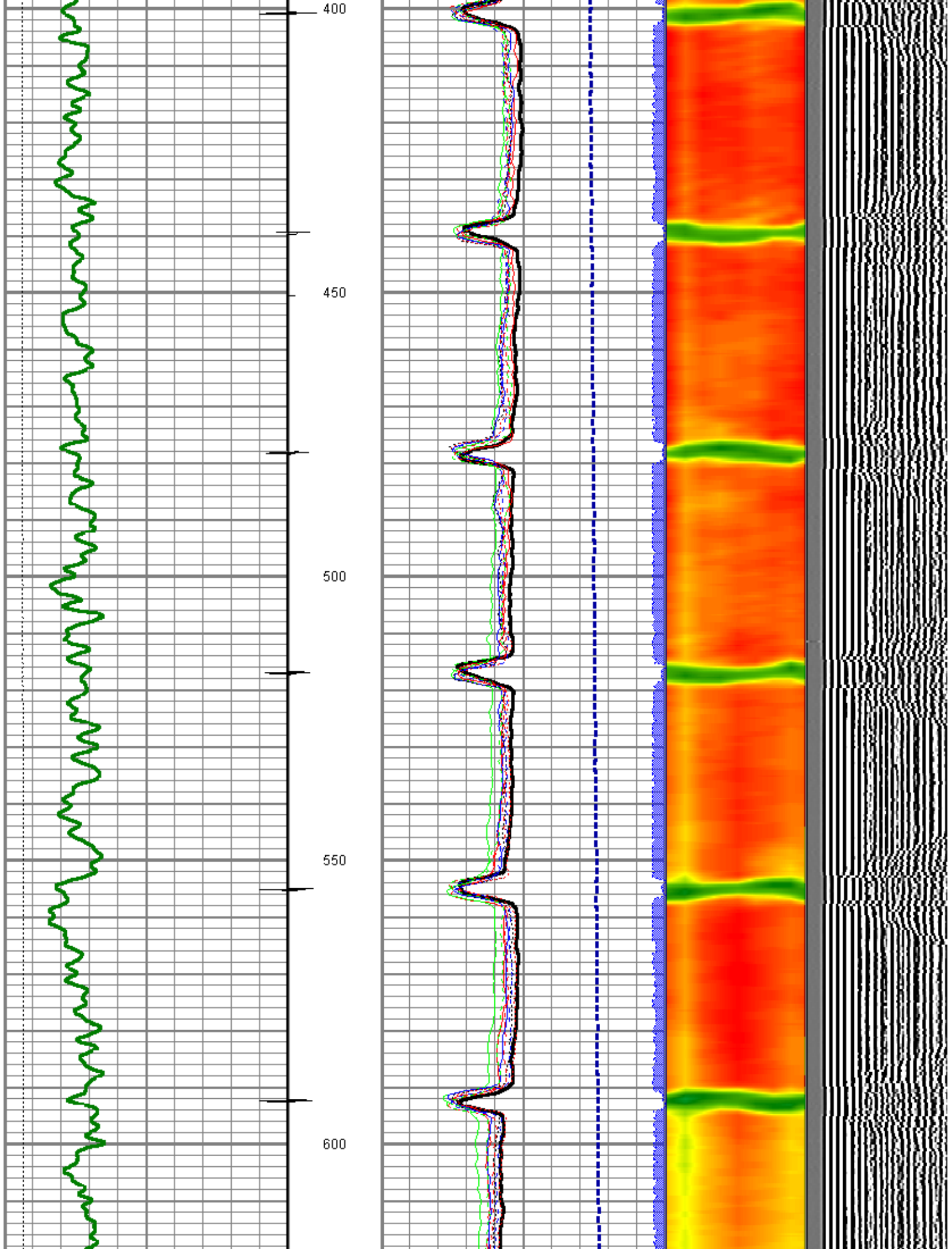
0	Gamma Ray (GAPI)	200
0	LTEN (lb)	5000
	CCL	

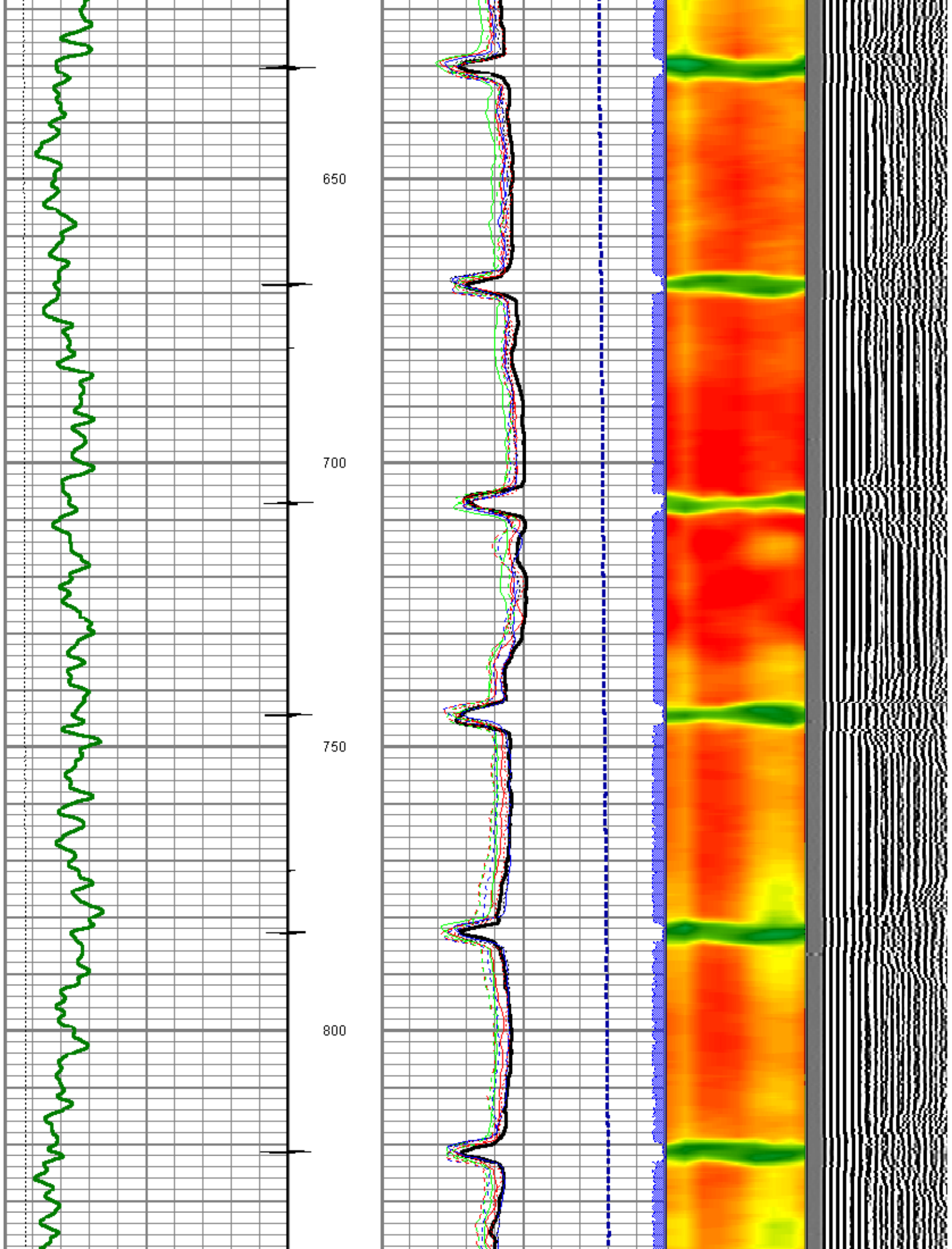
0	Amplitude (mV)	100
0	Temp (degF)	100
0	TT3FT (usec)	205

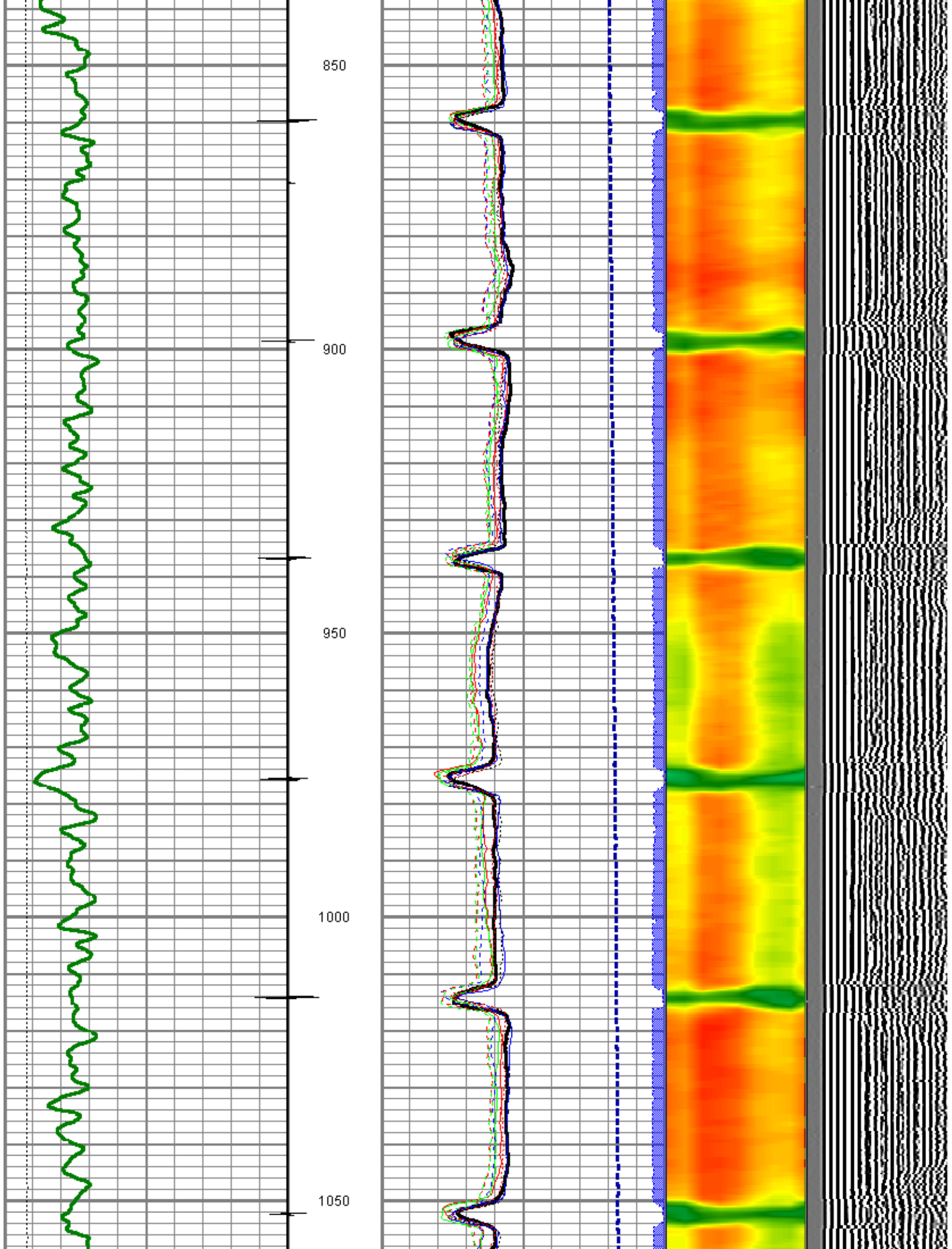
1	SECTORS	8	Variable Density
0		70	200 1200

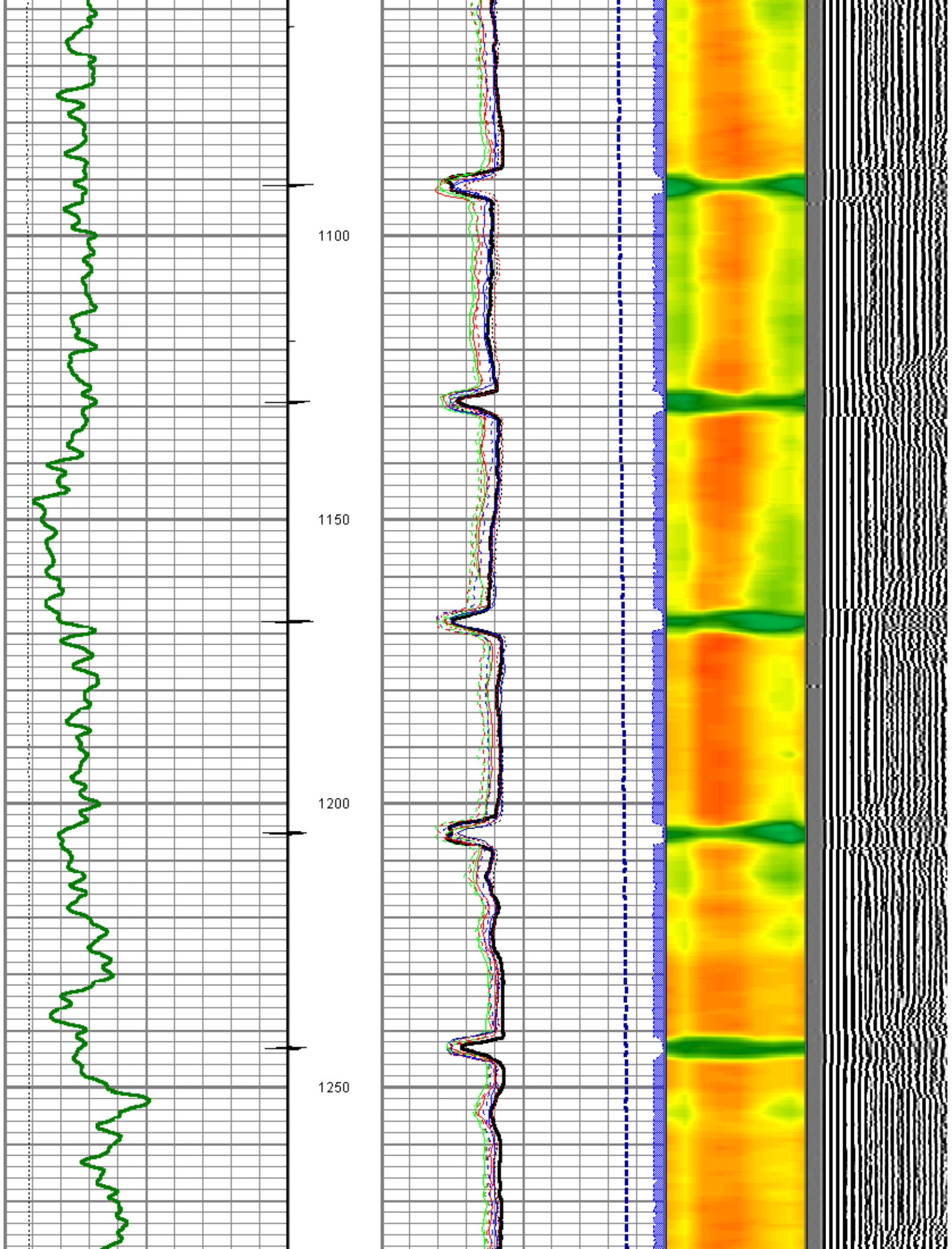


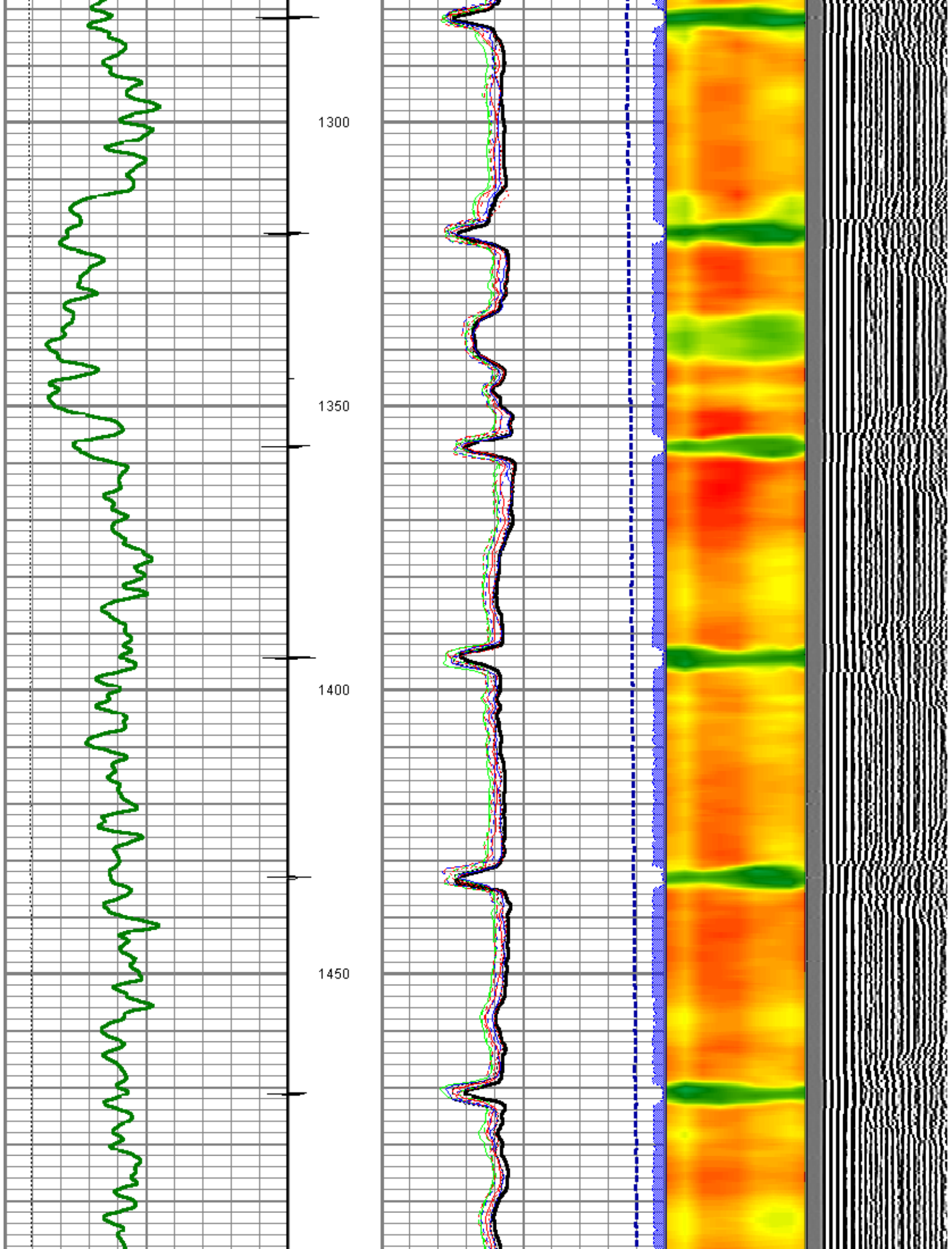


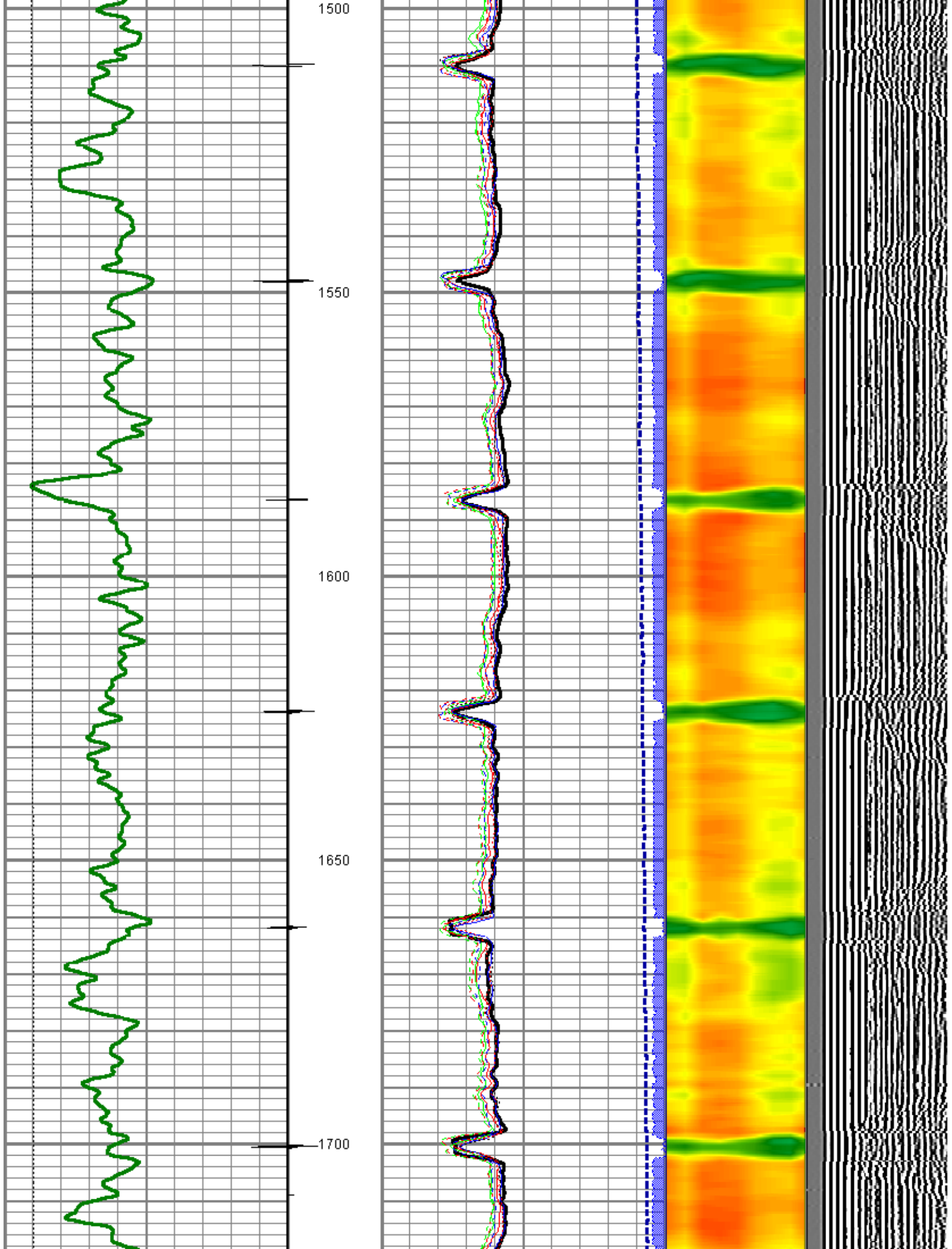


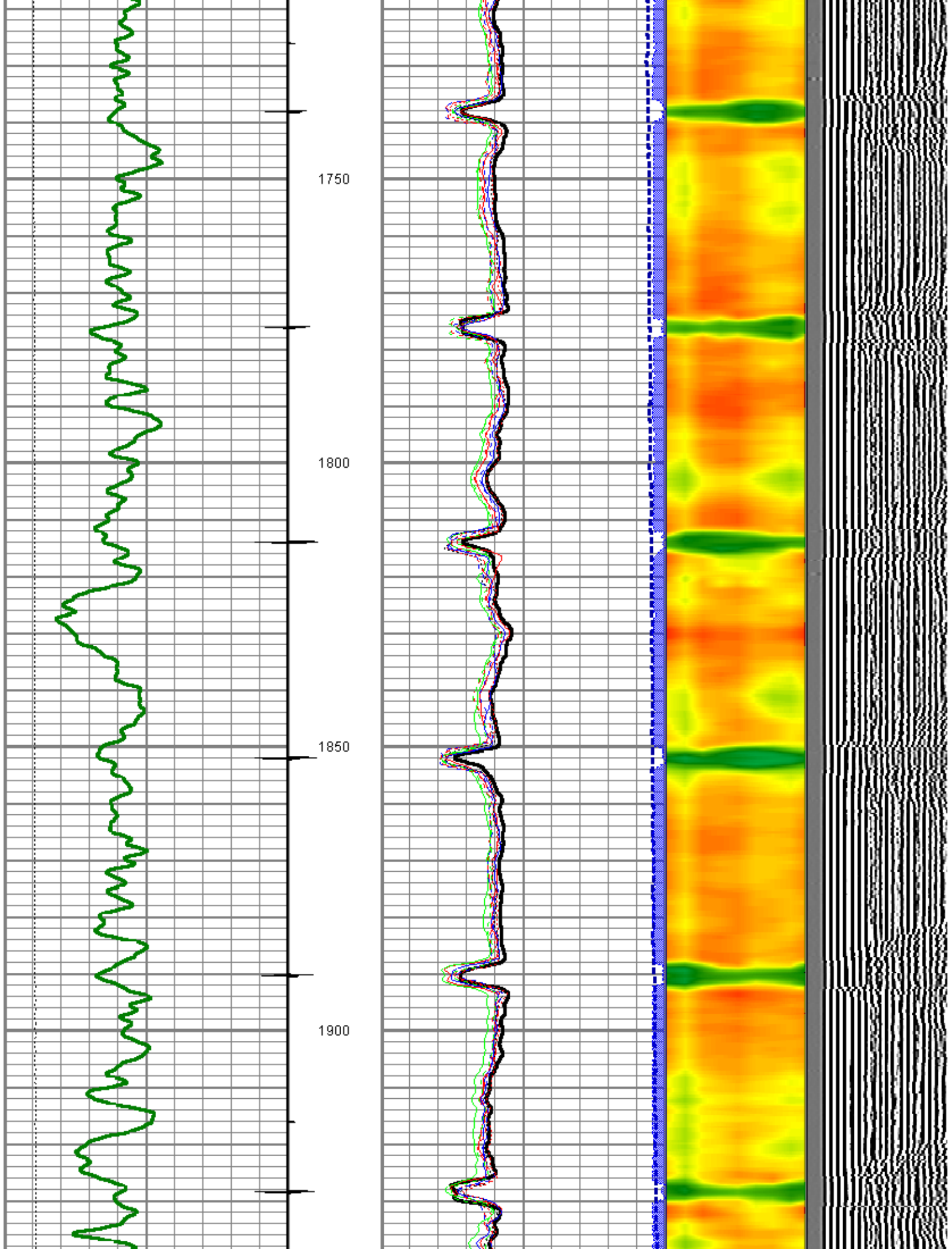


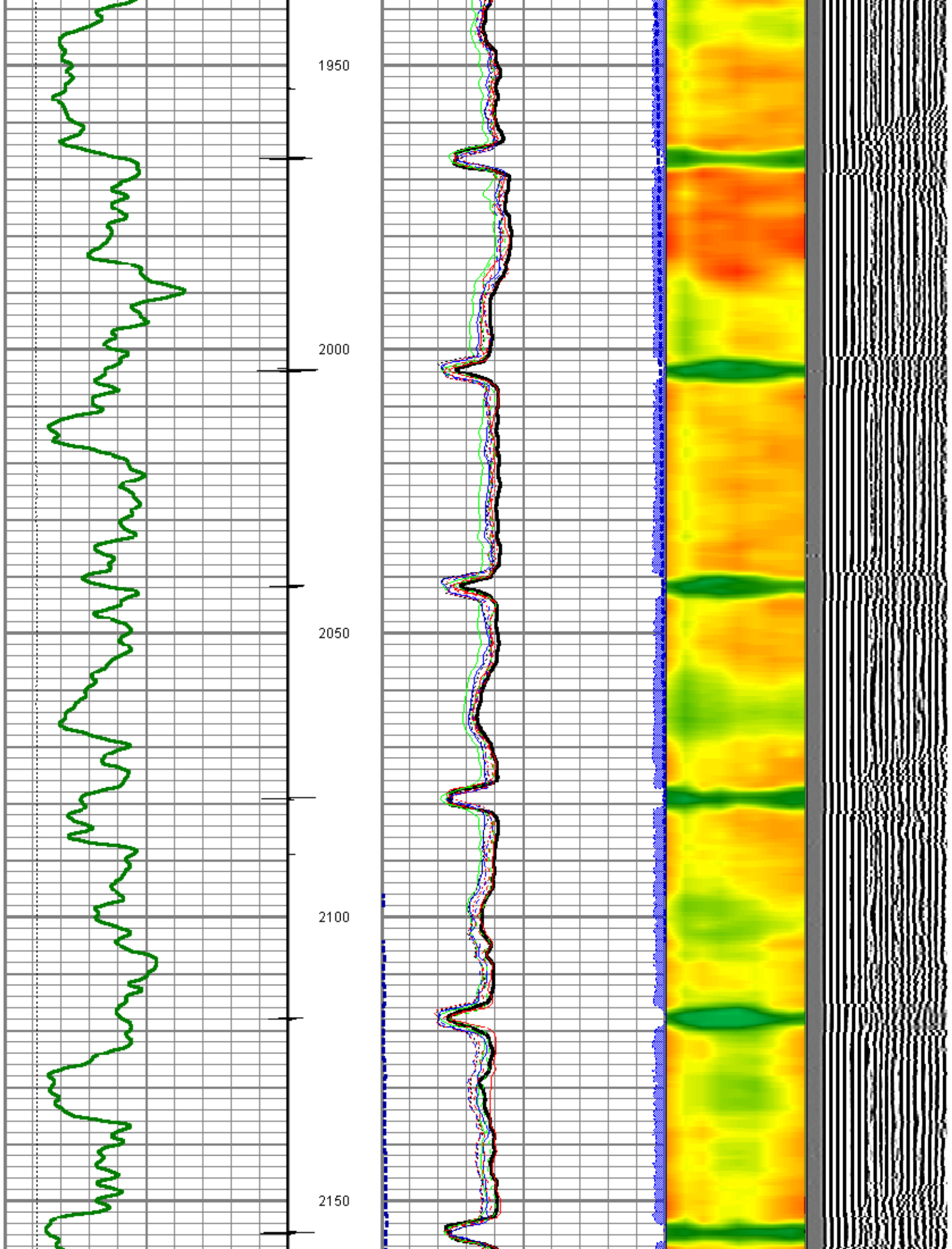


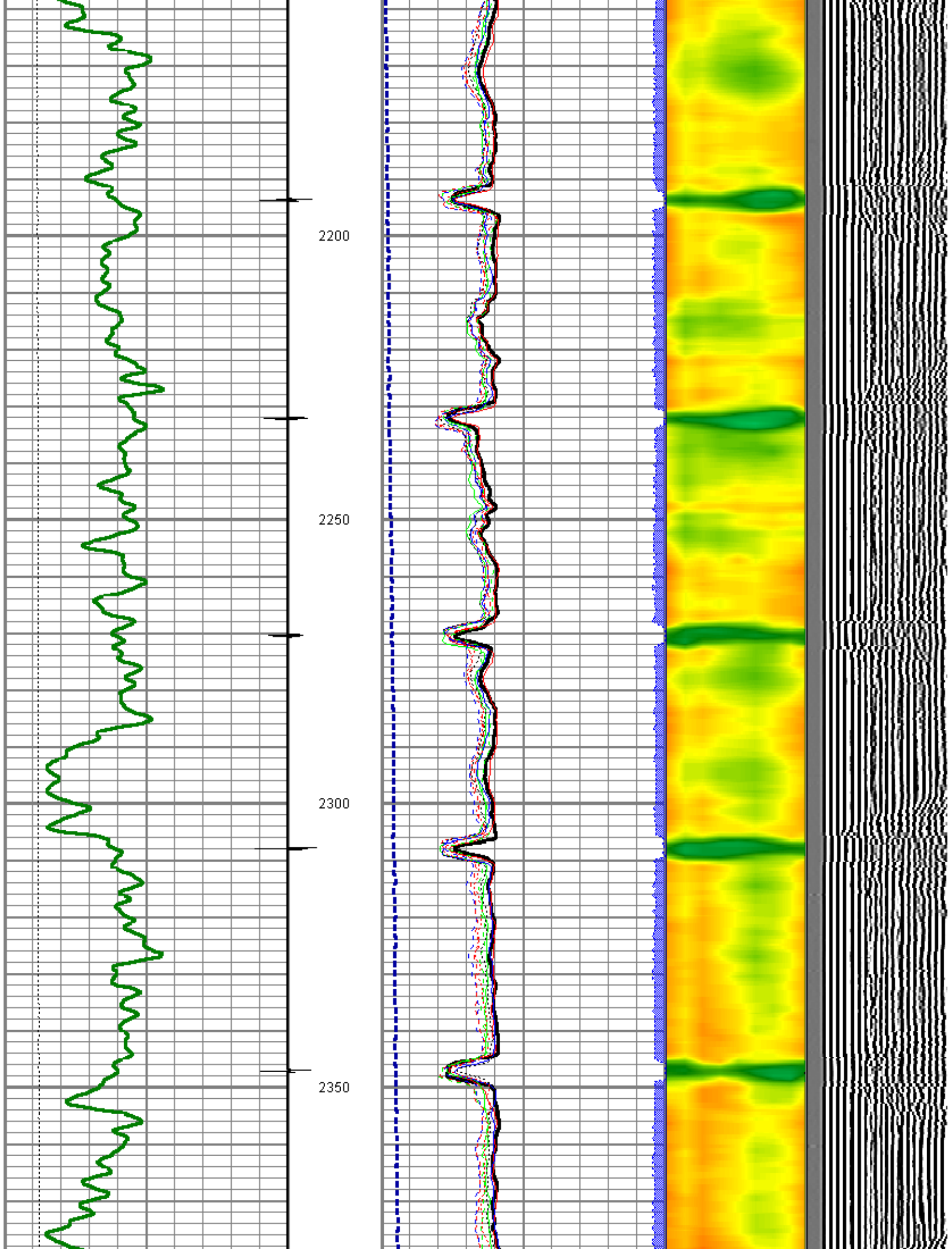


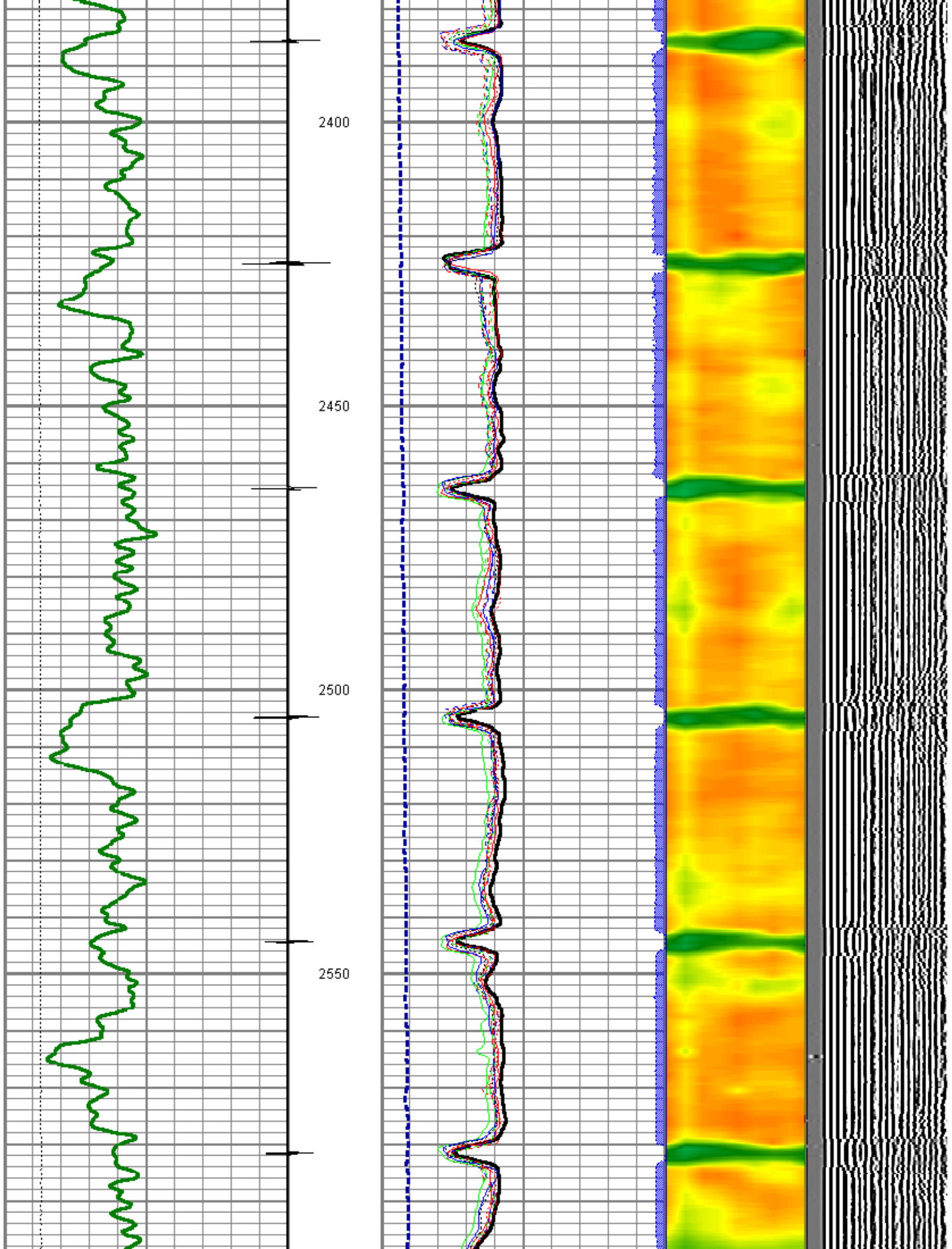


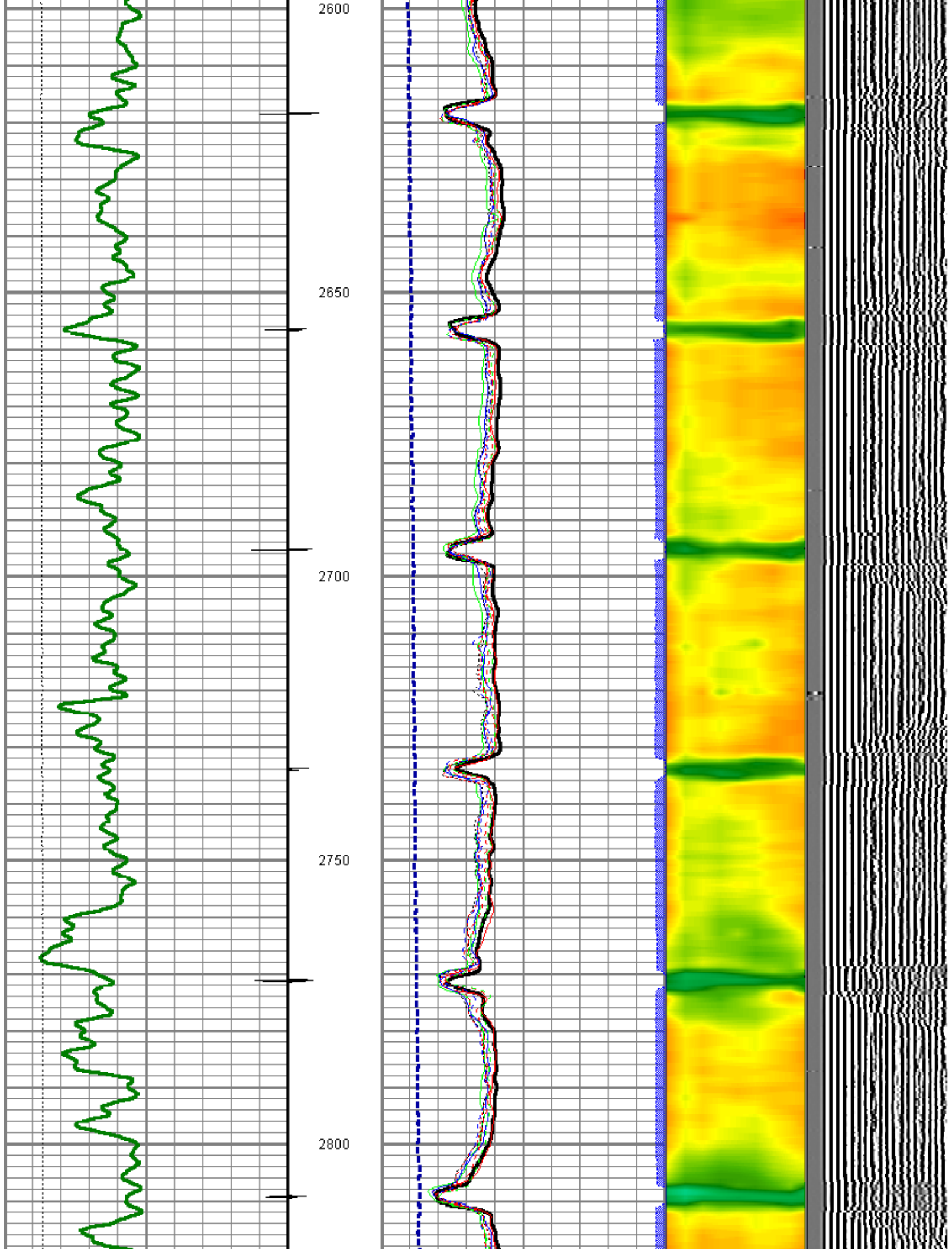


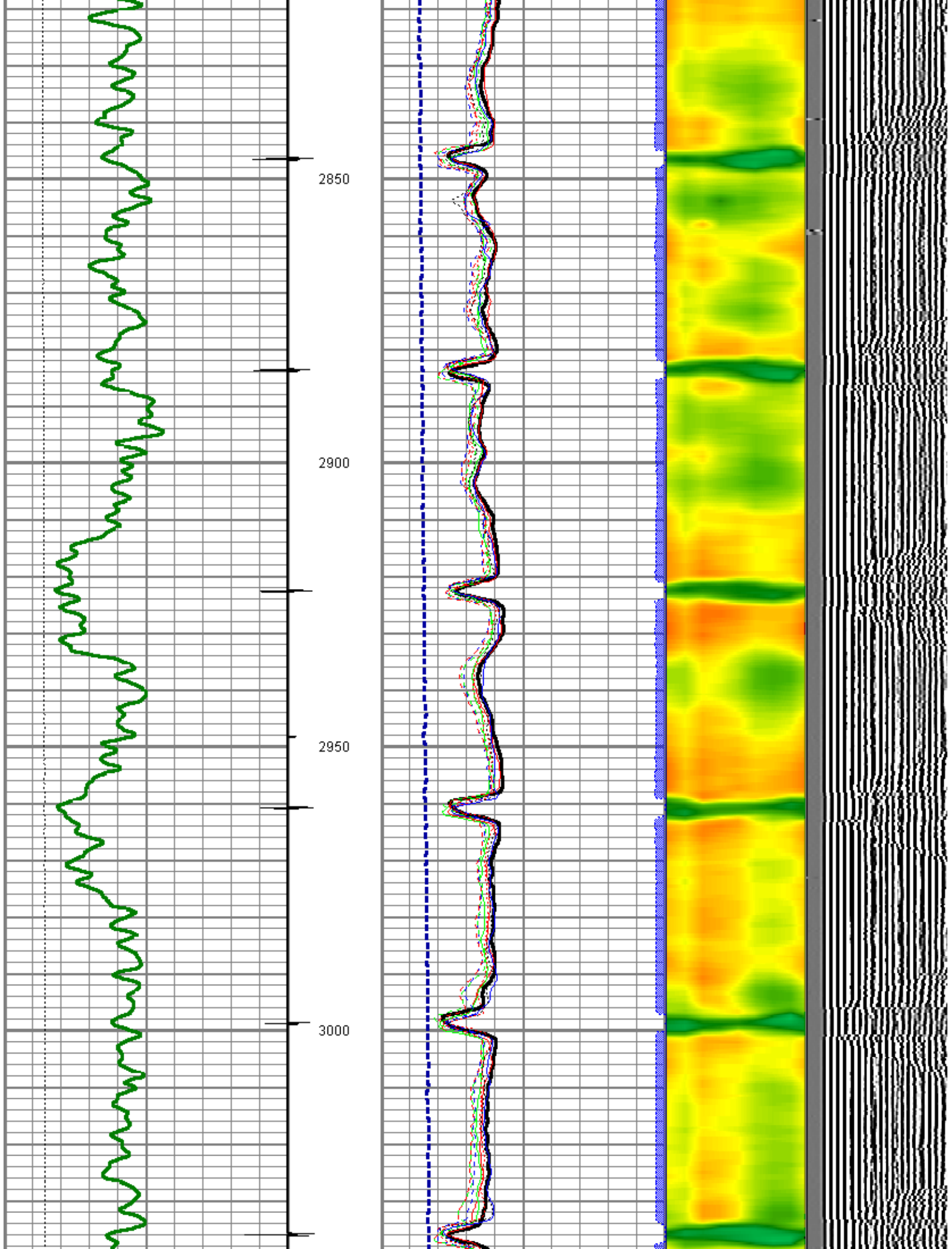


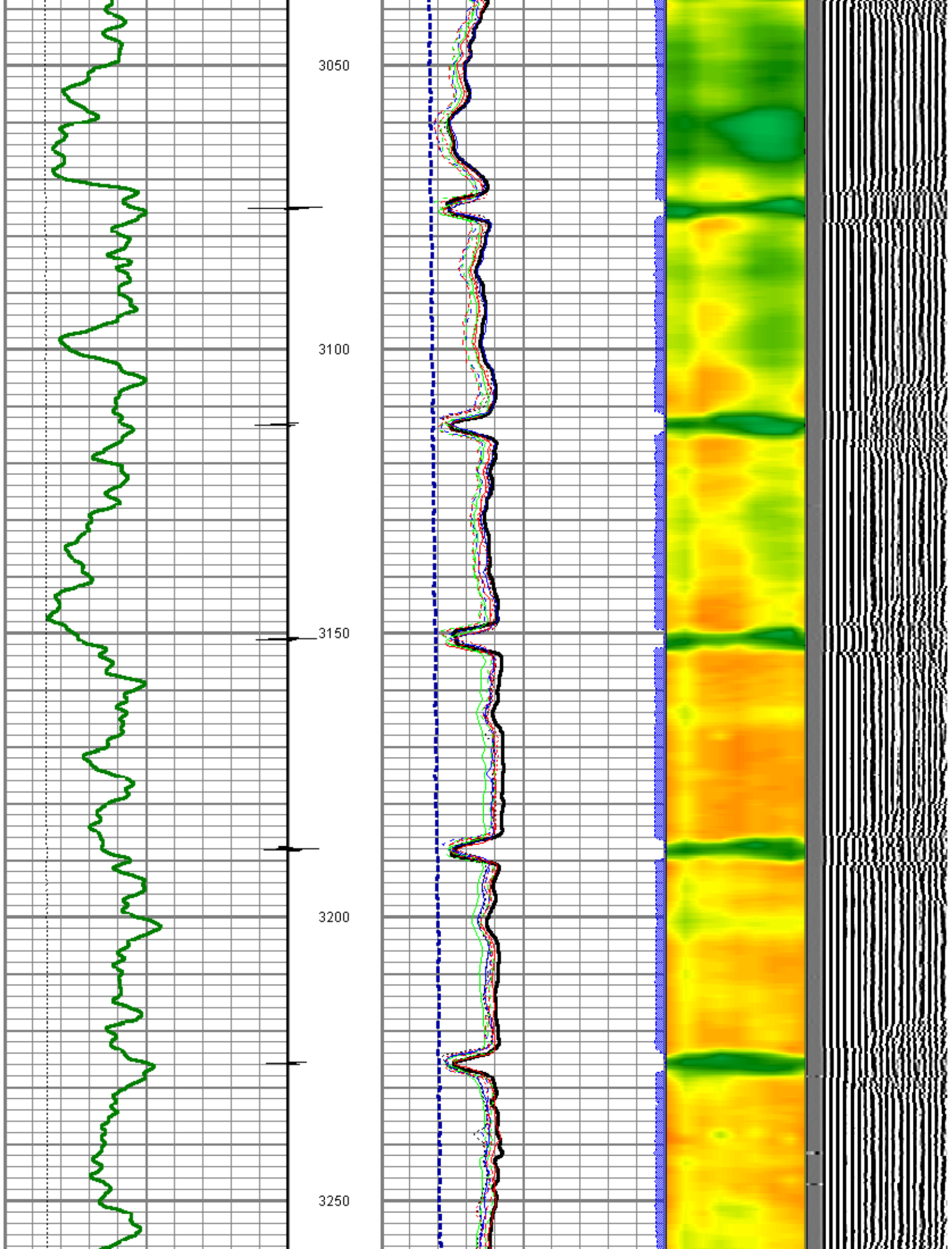


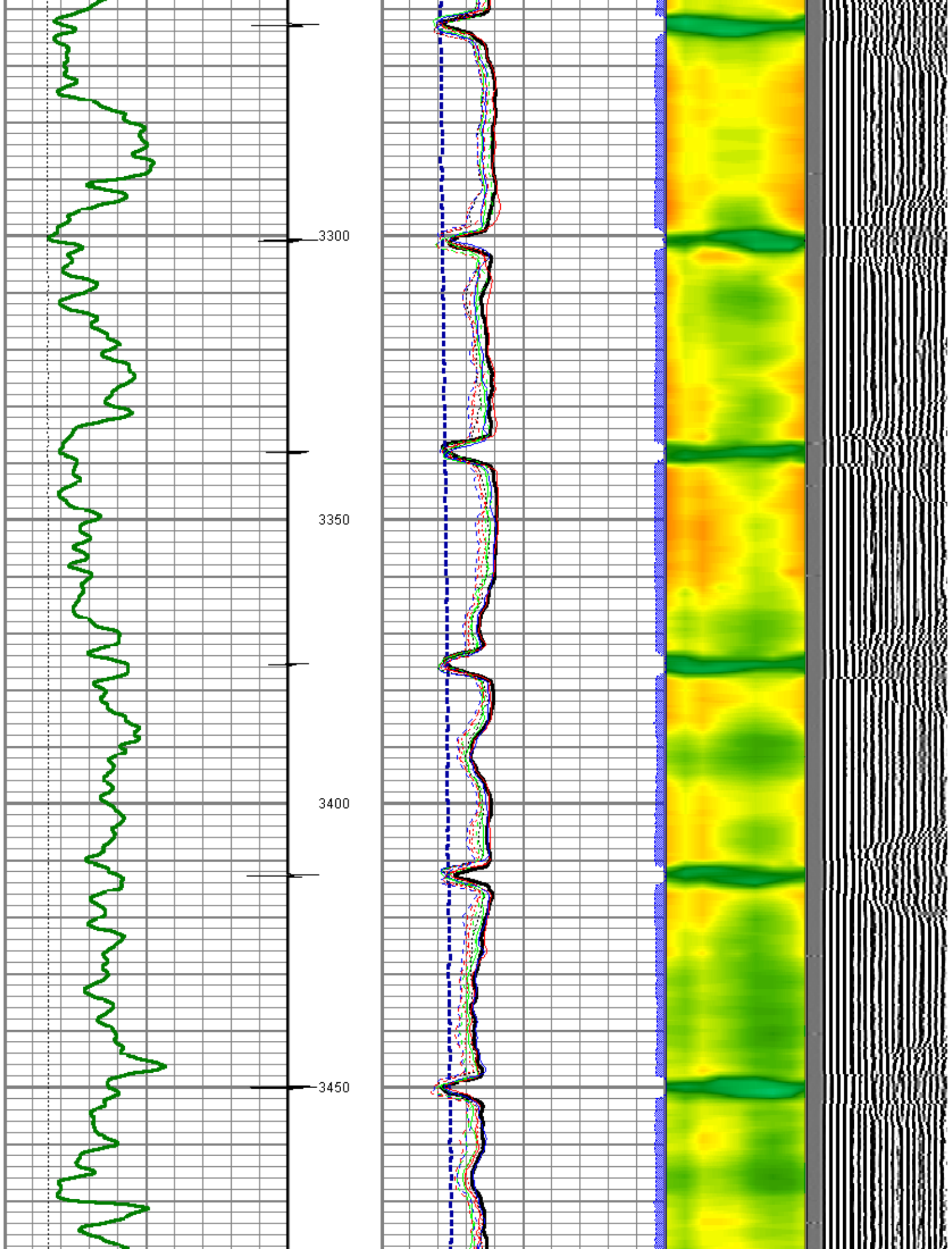


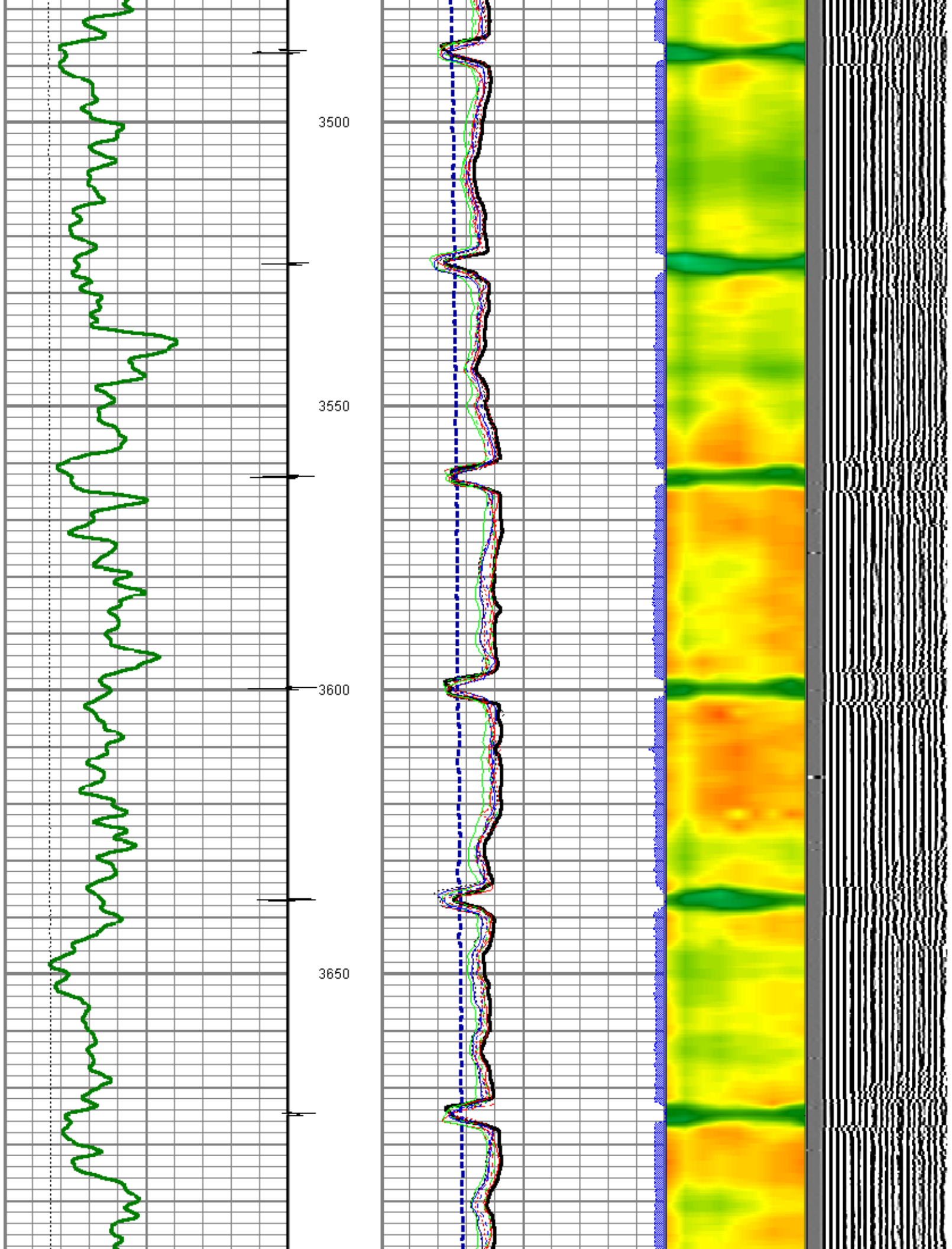


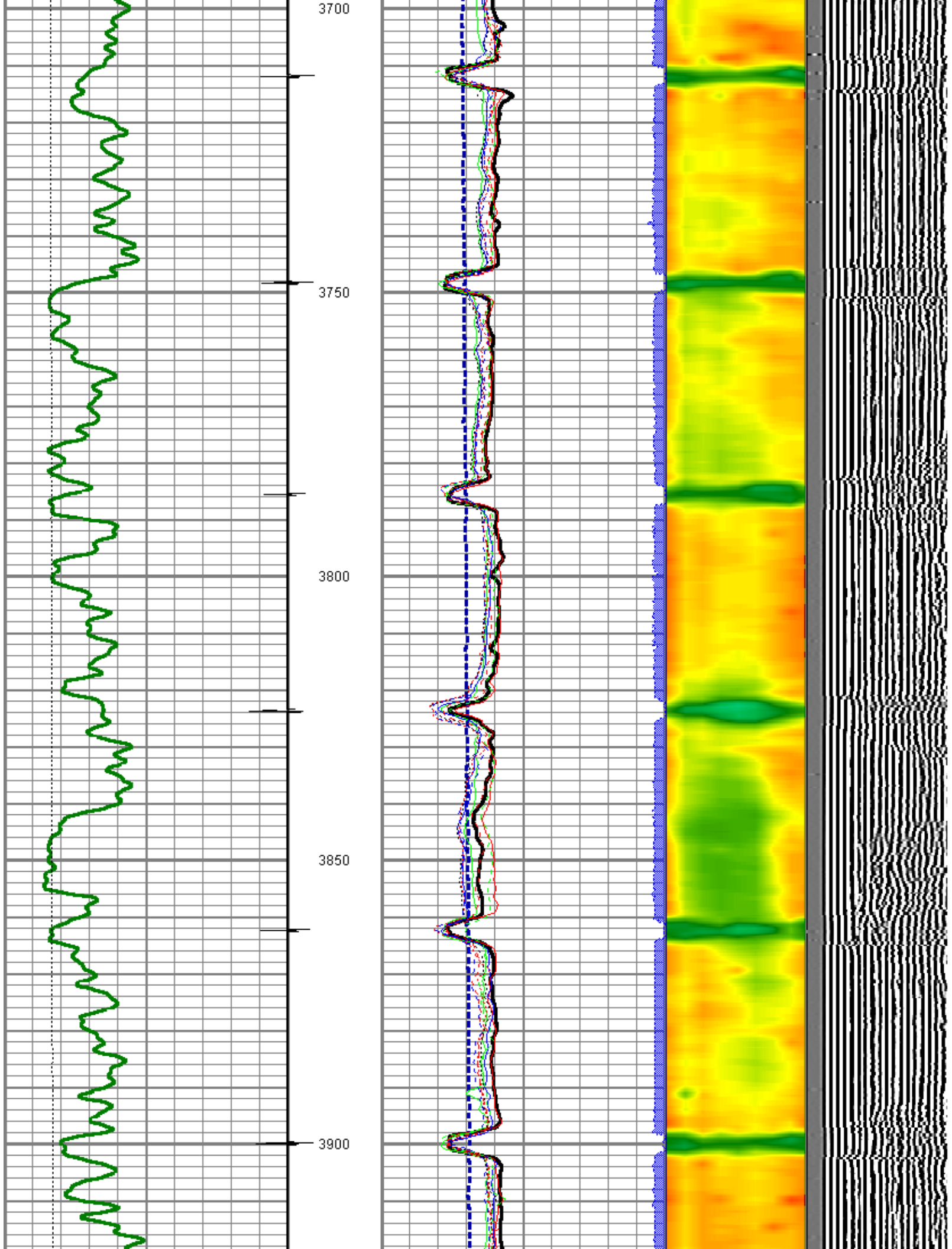


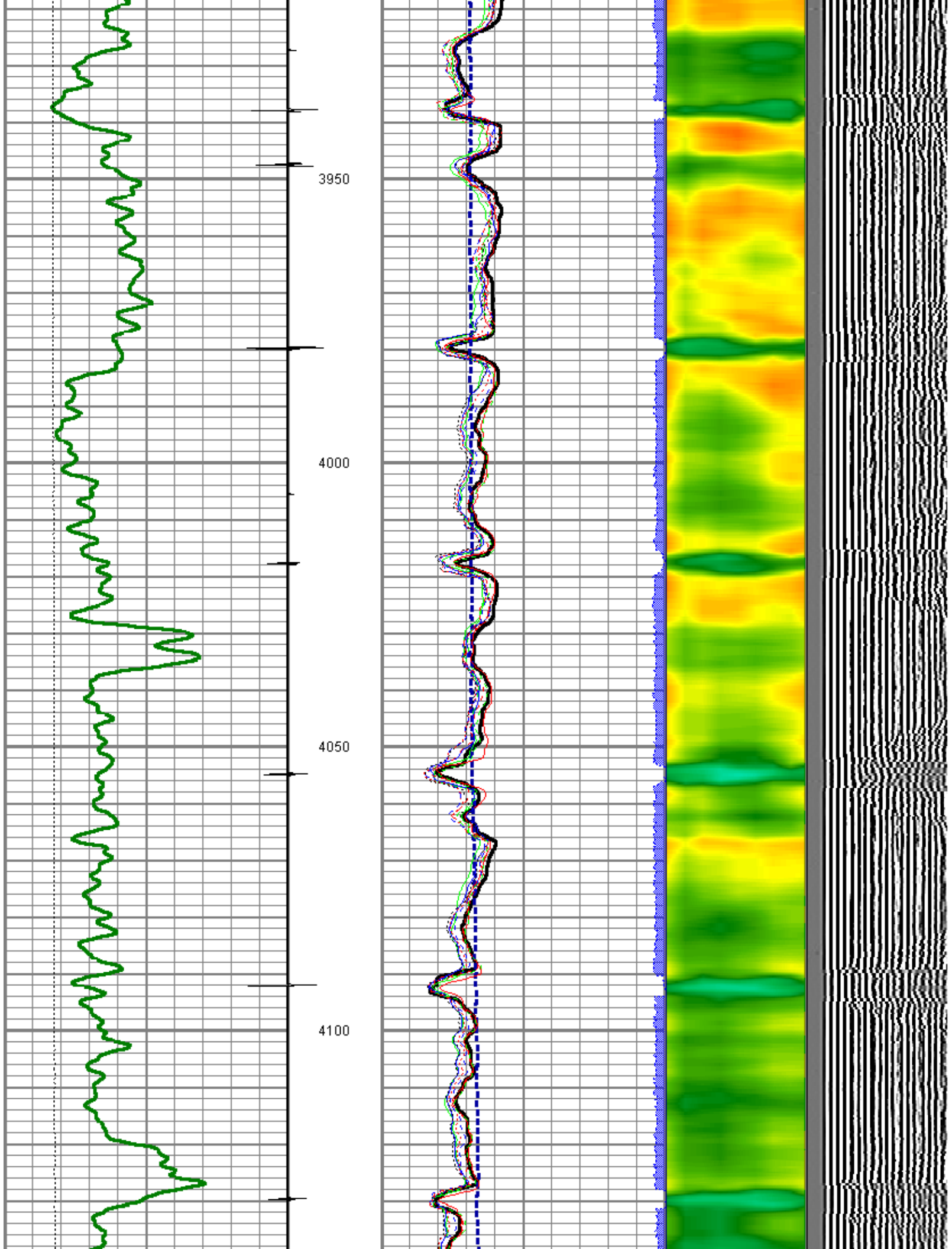


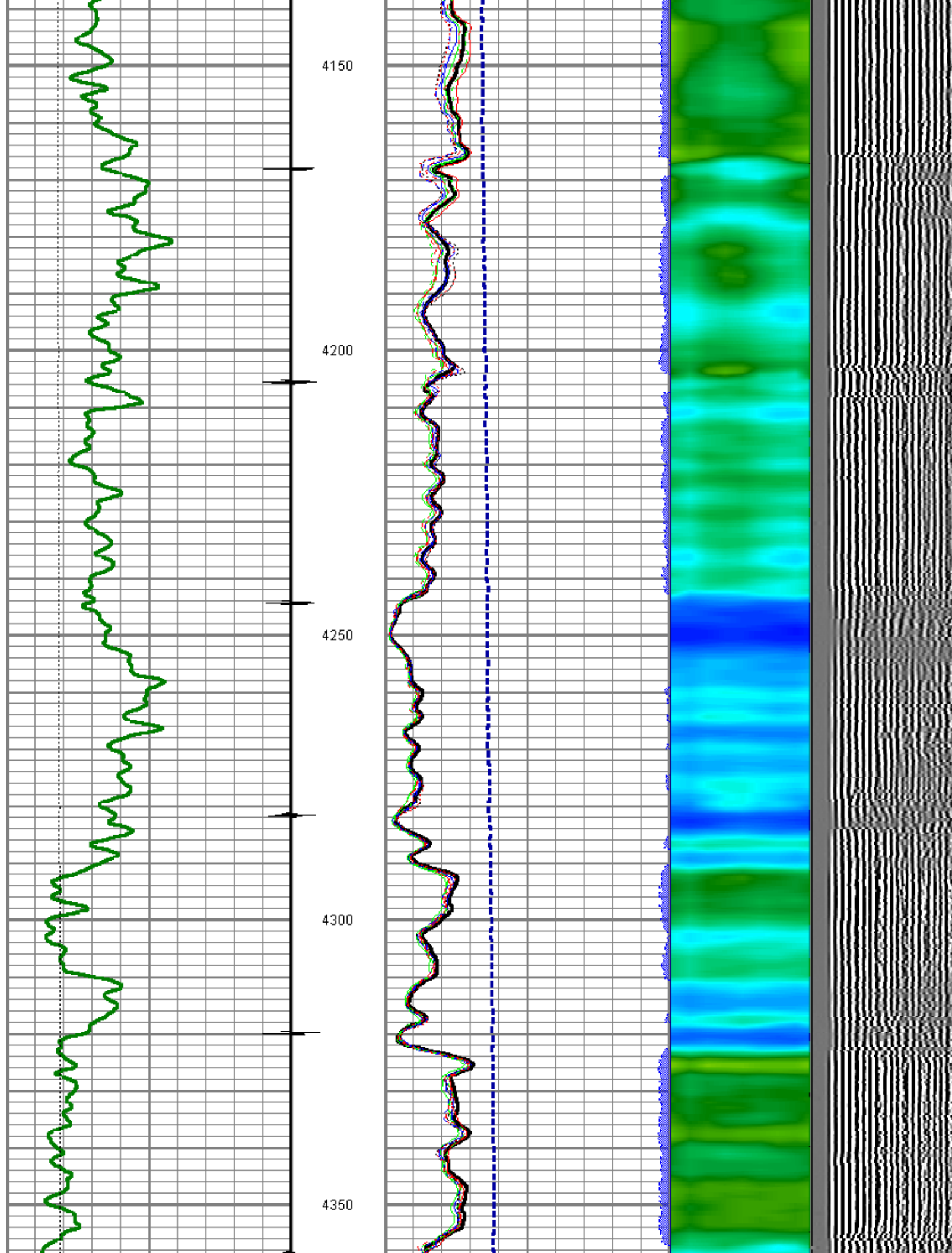


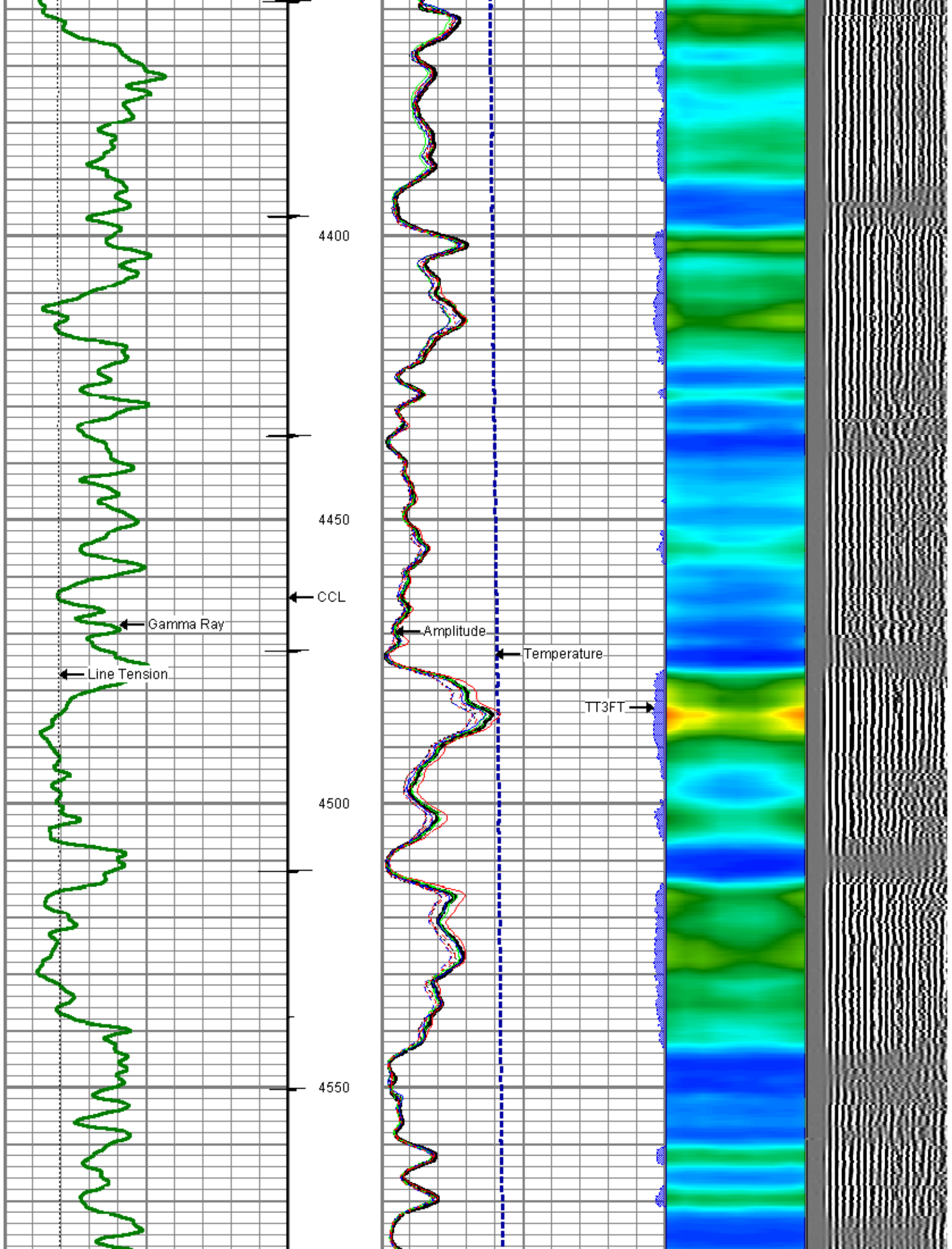


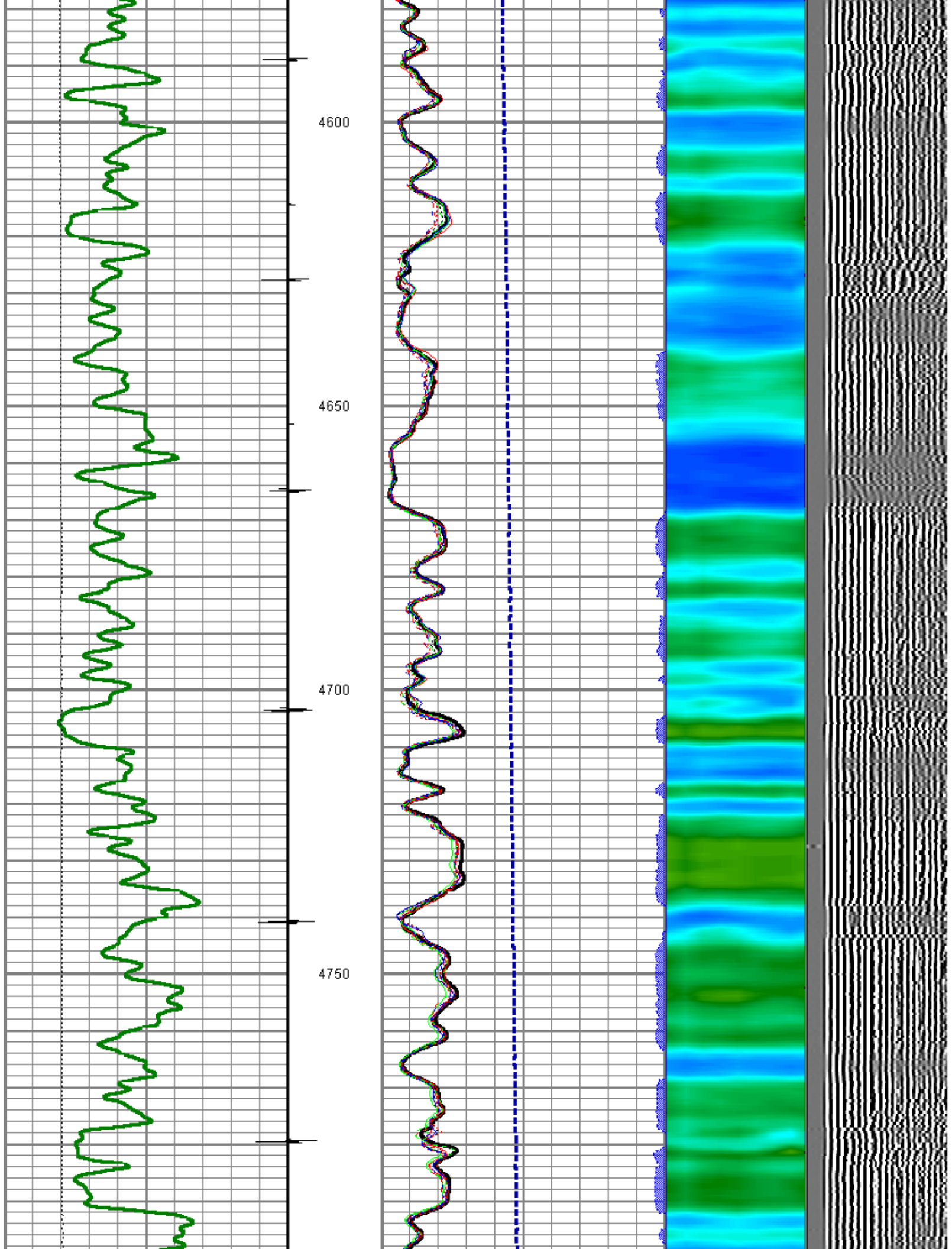


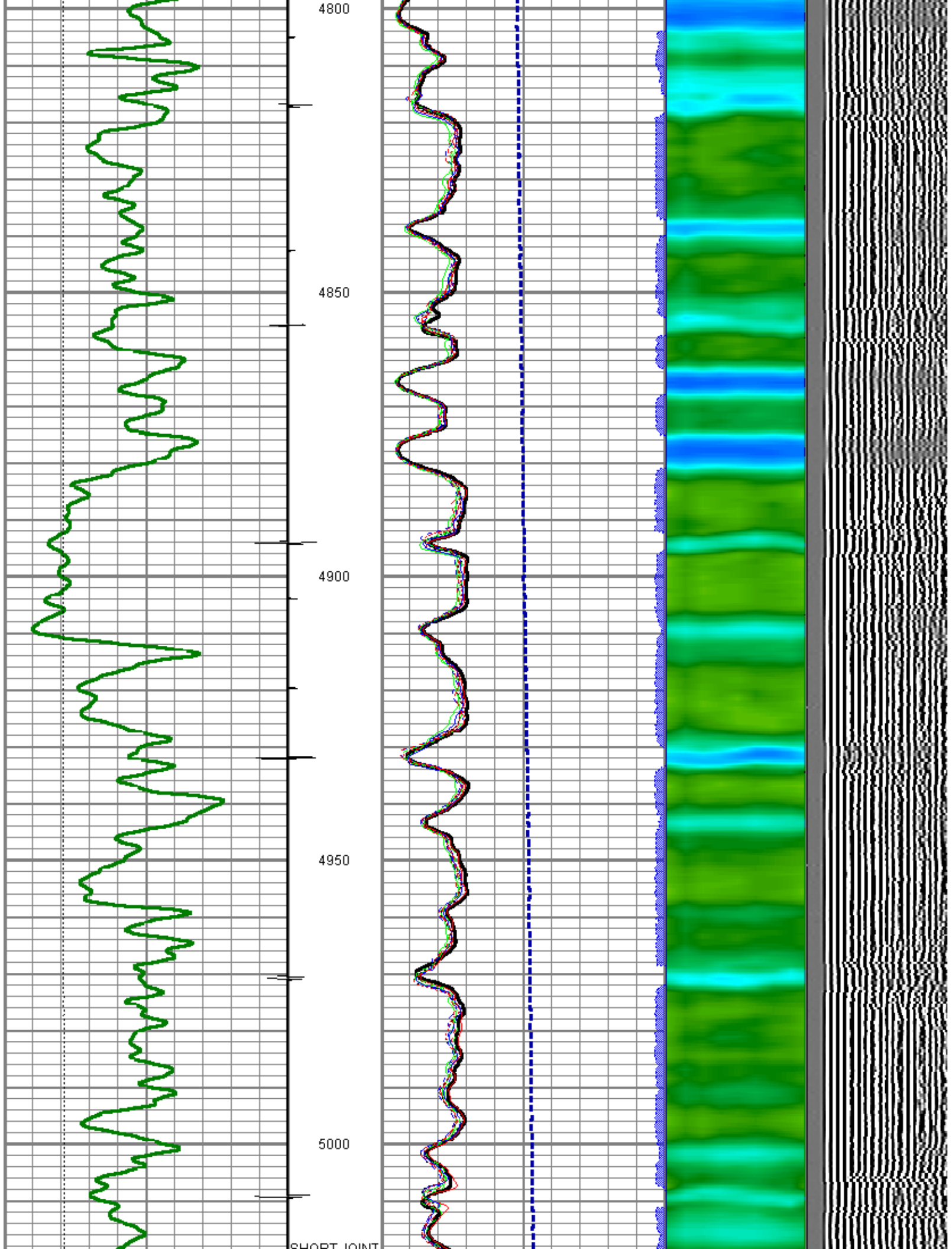


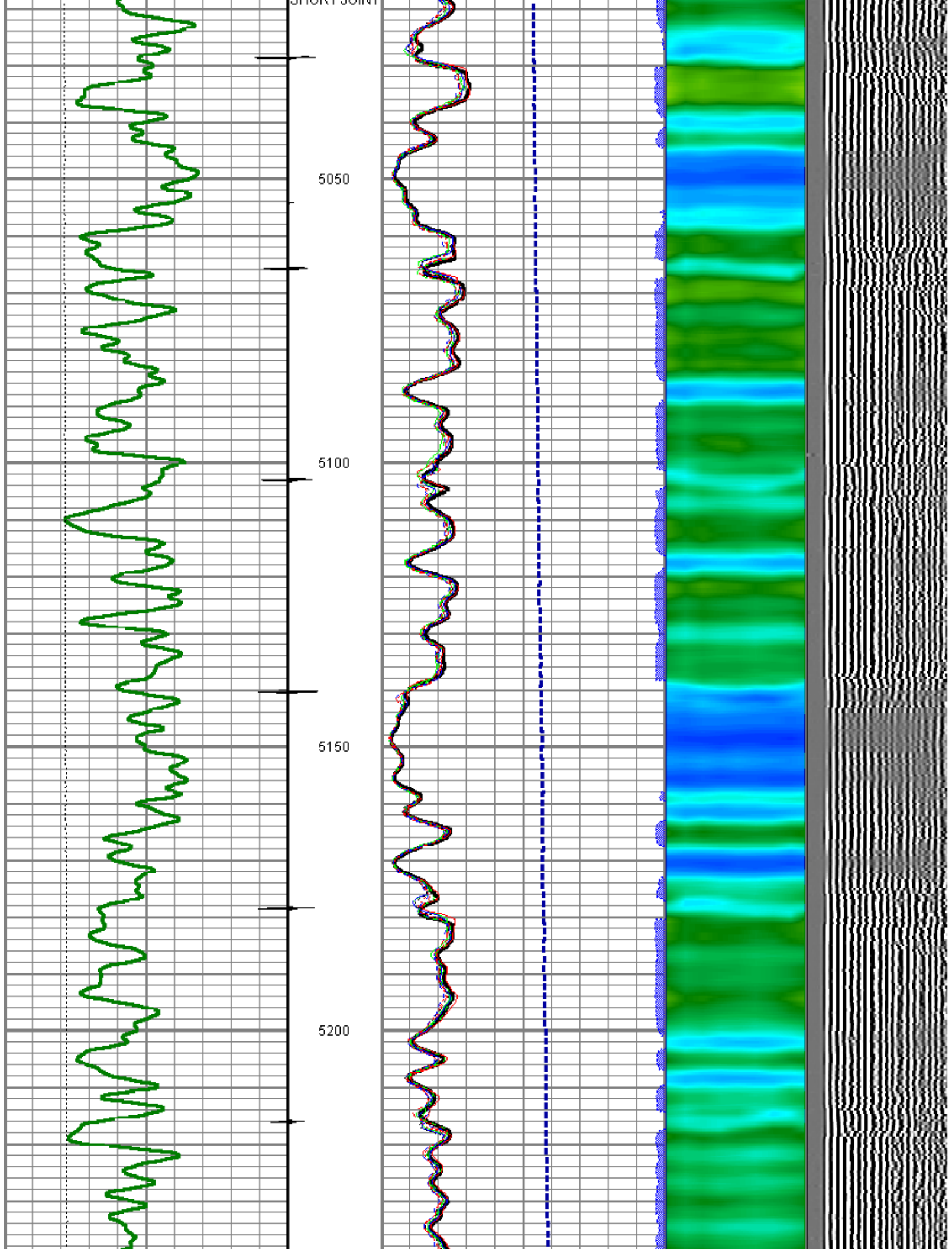


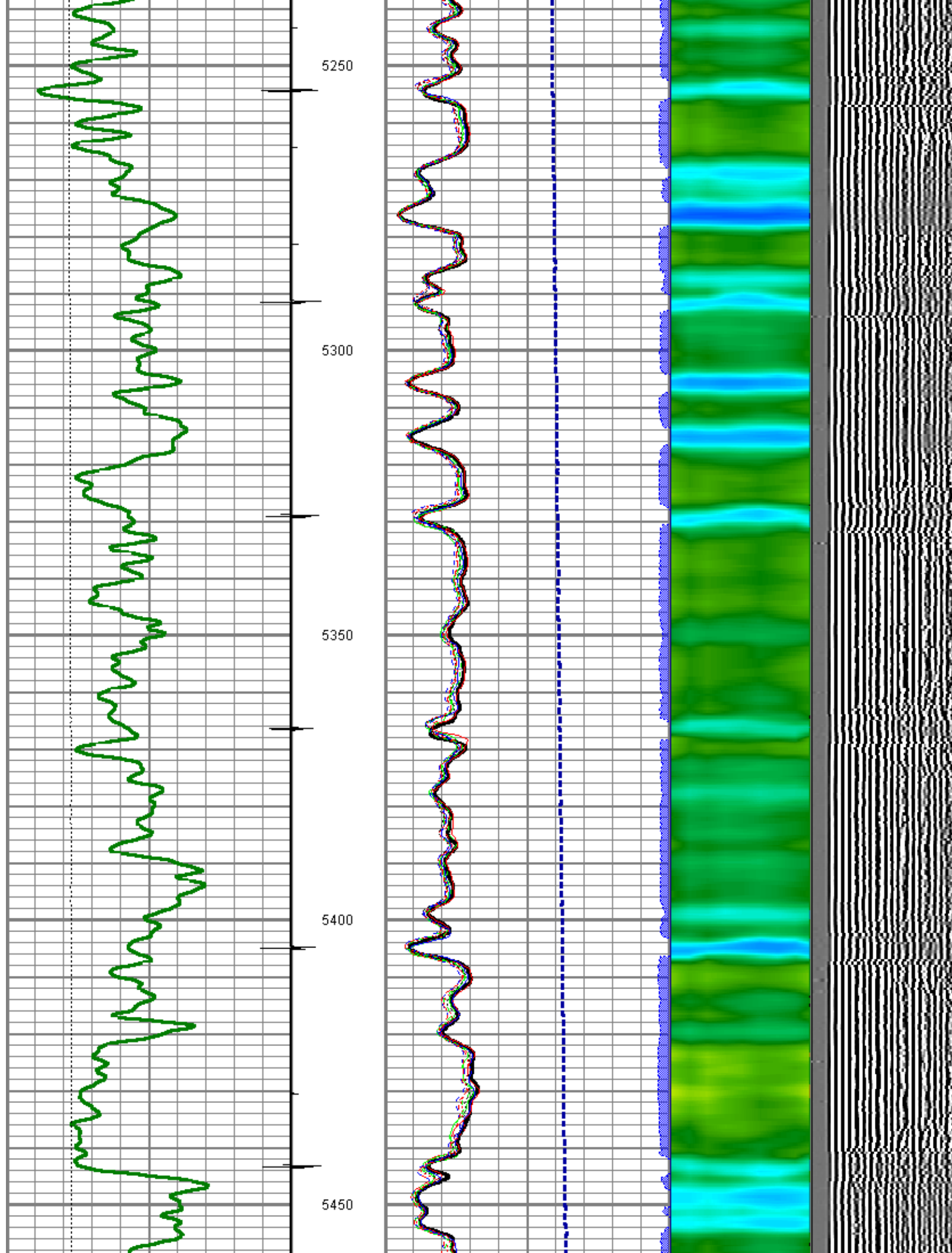


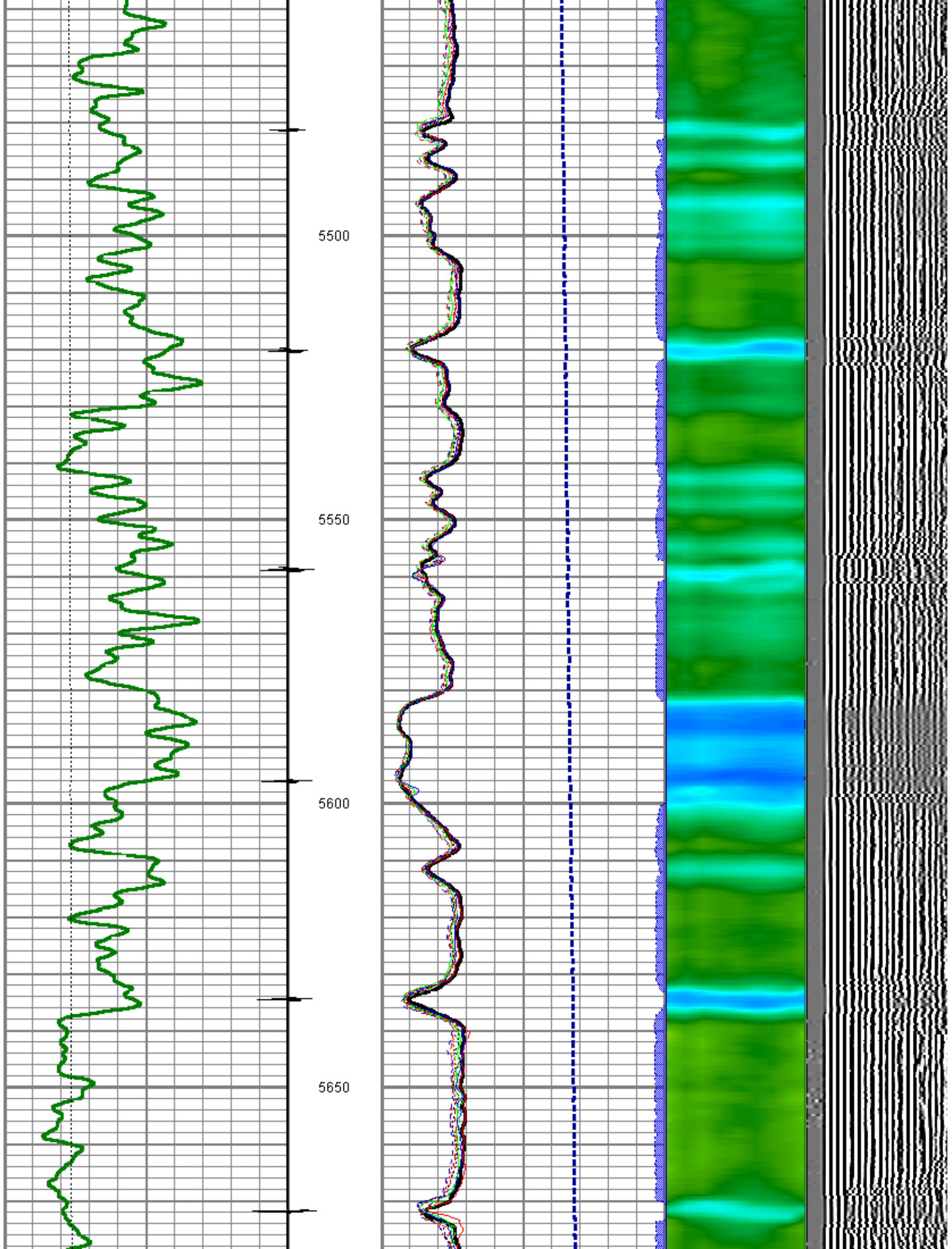


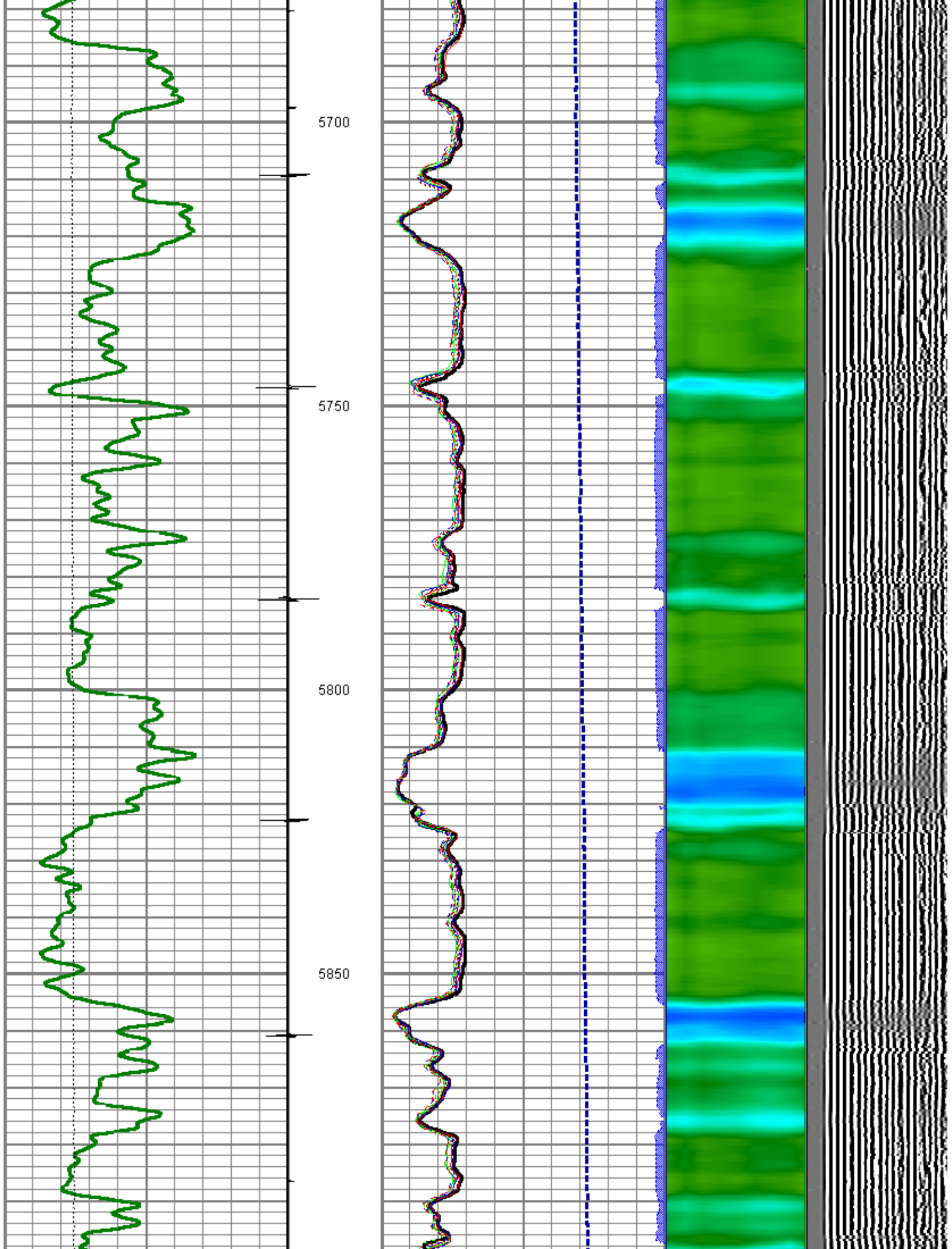


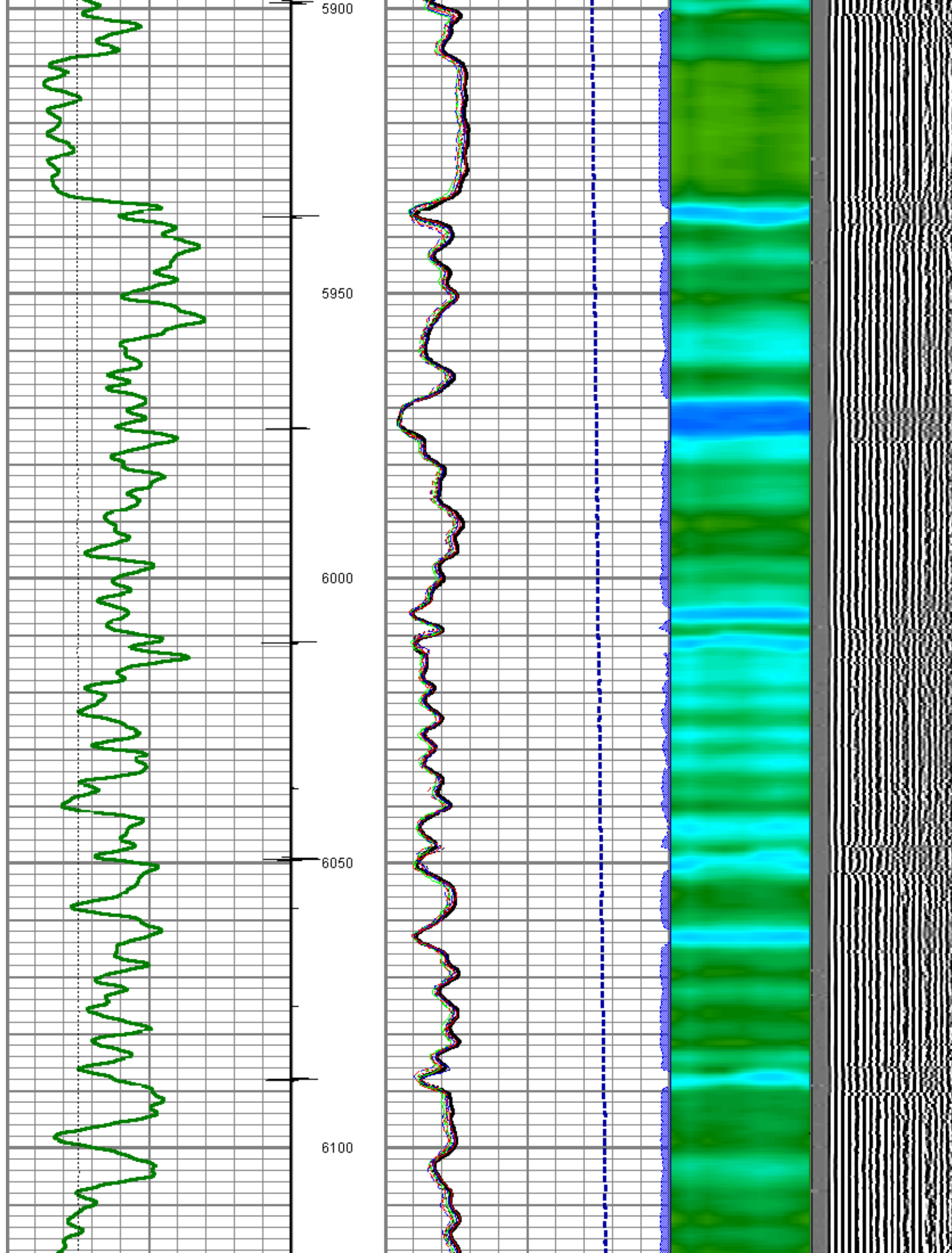


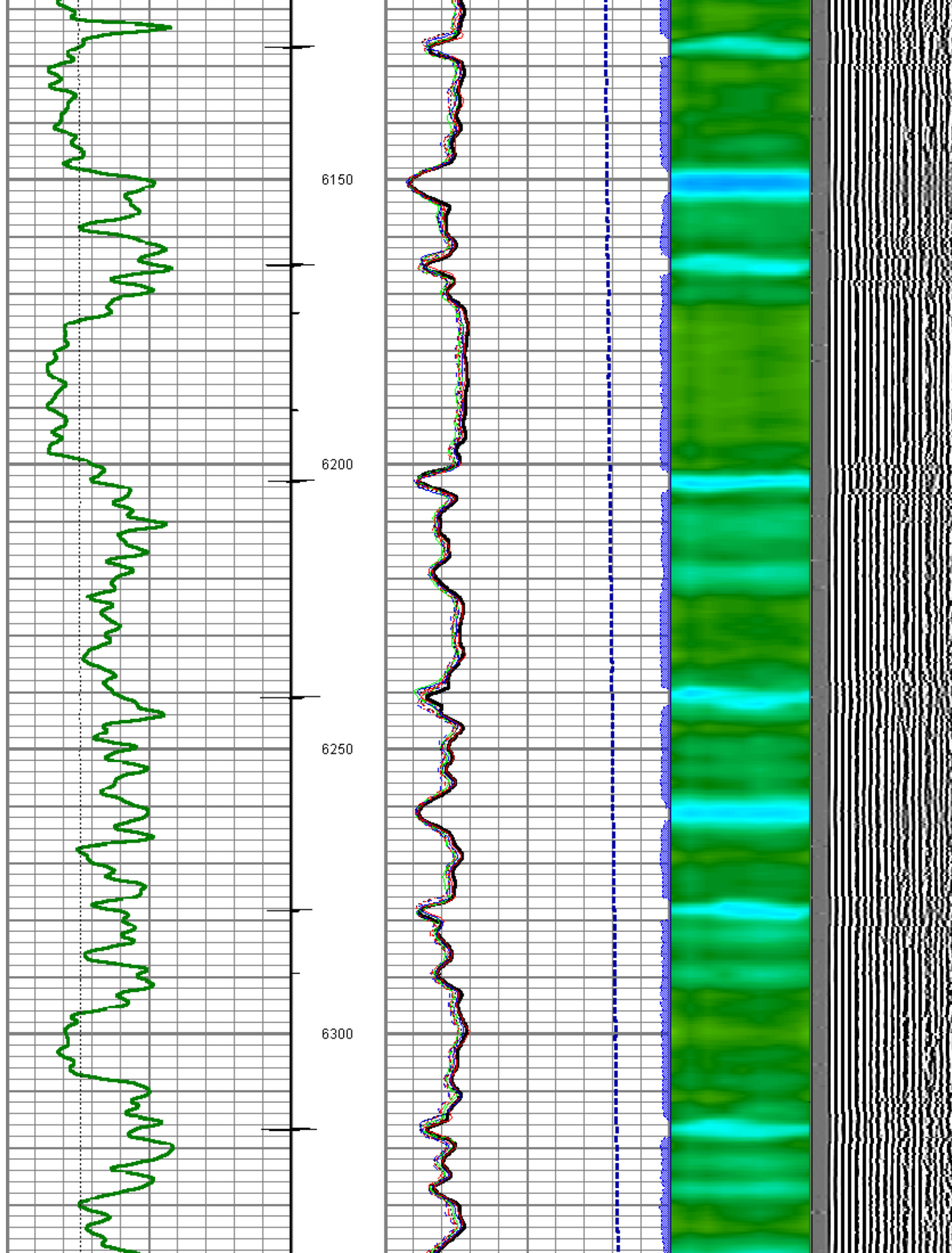


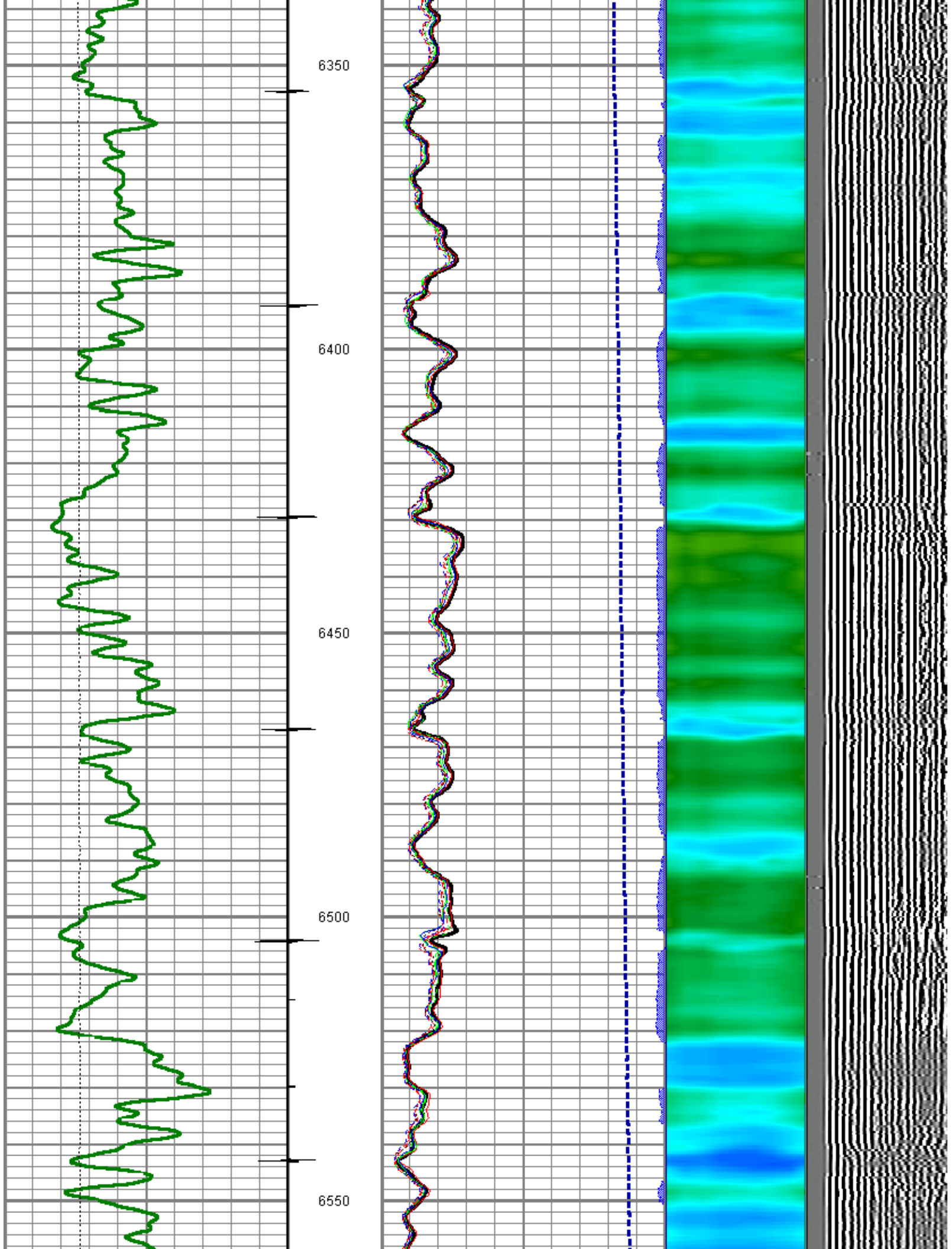


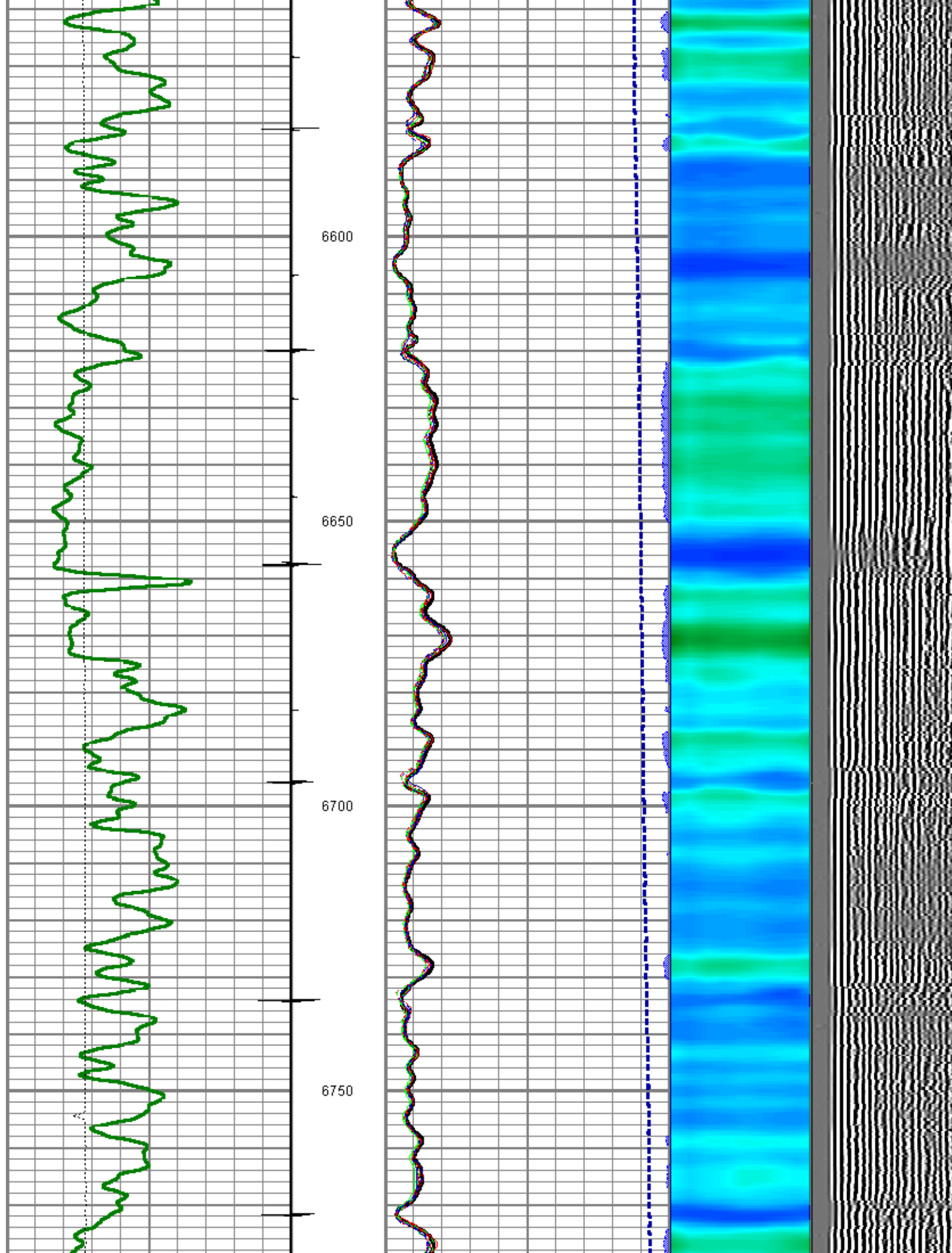


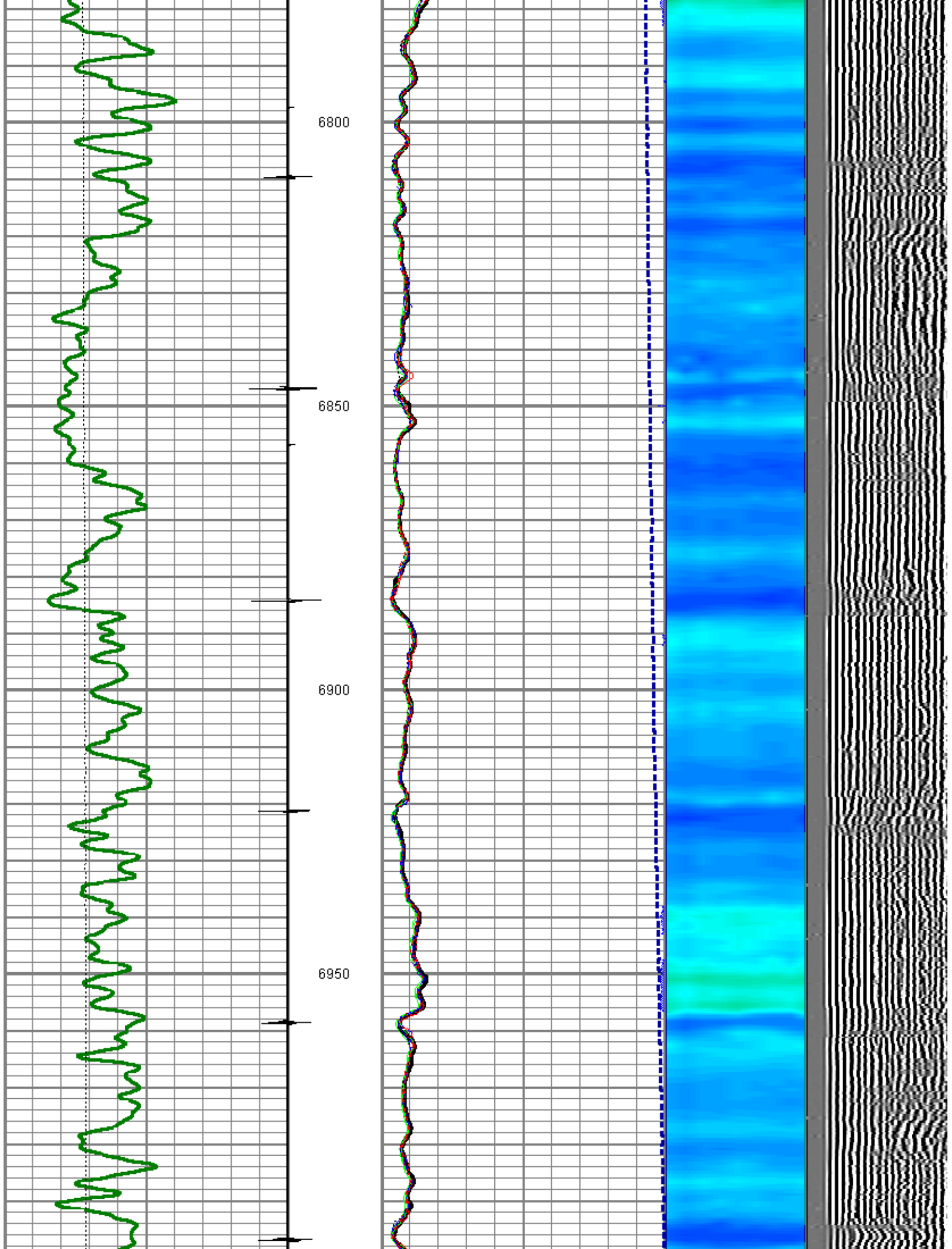


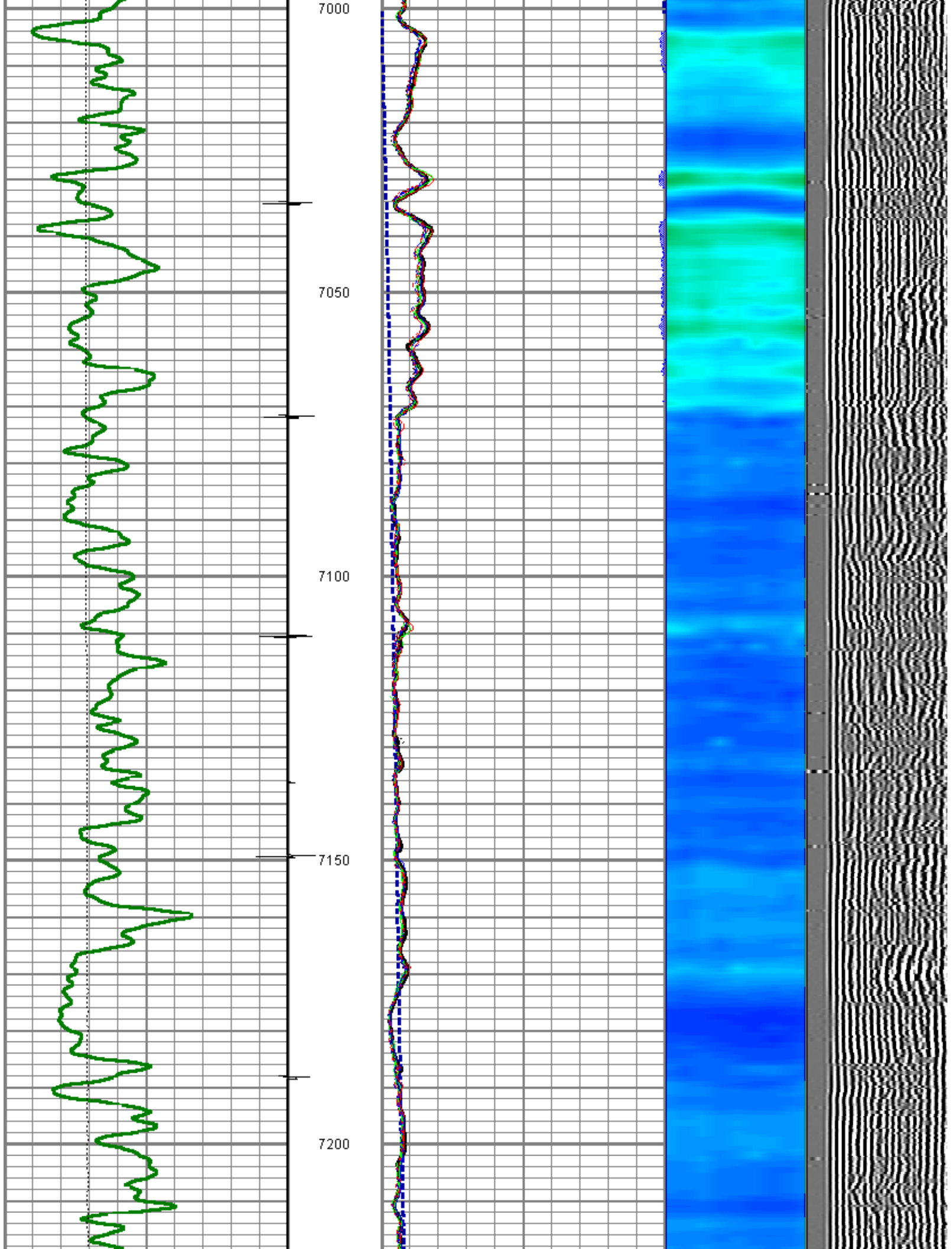


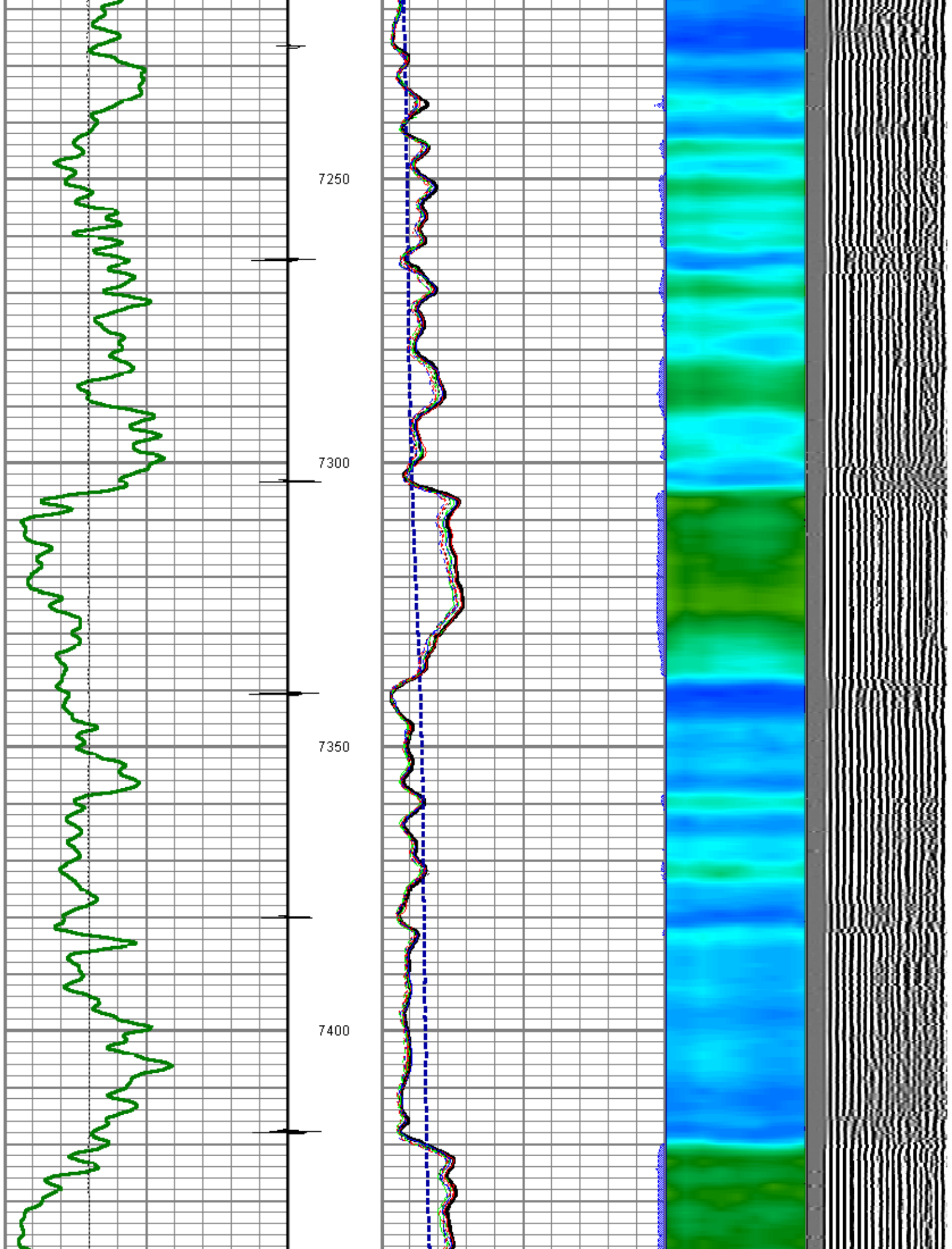


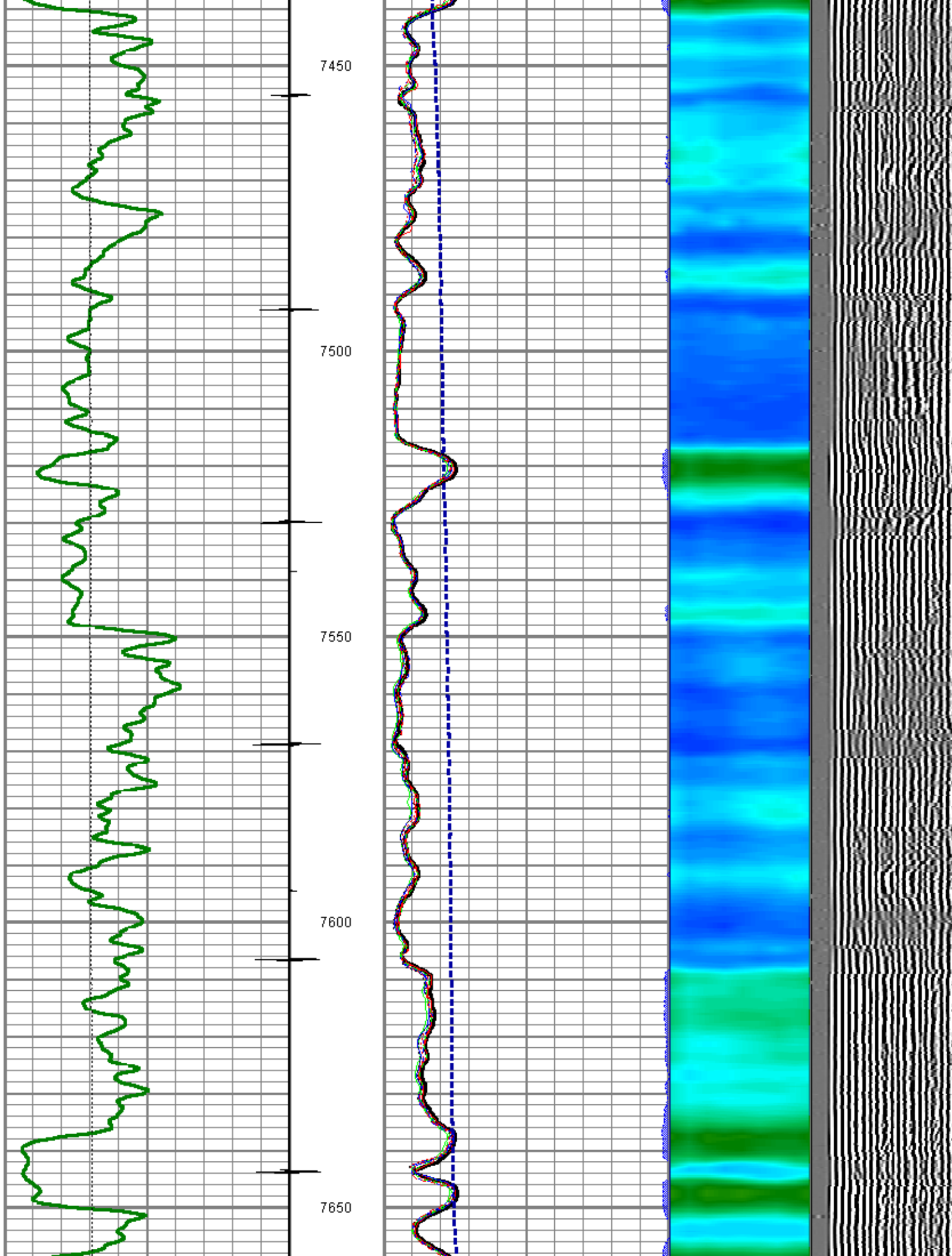


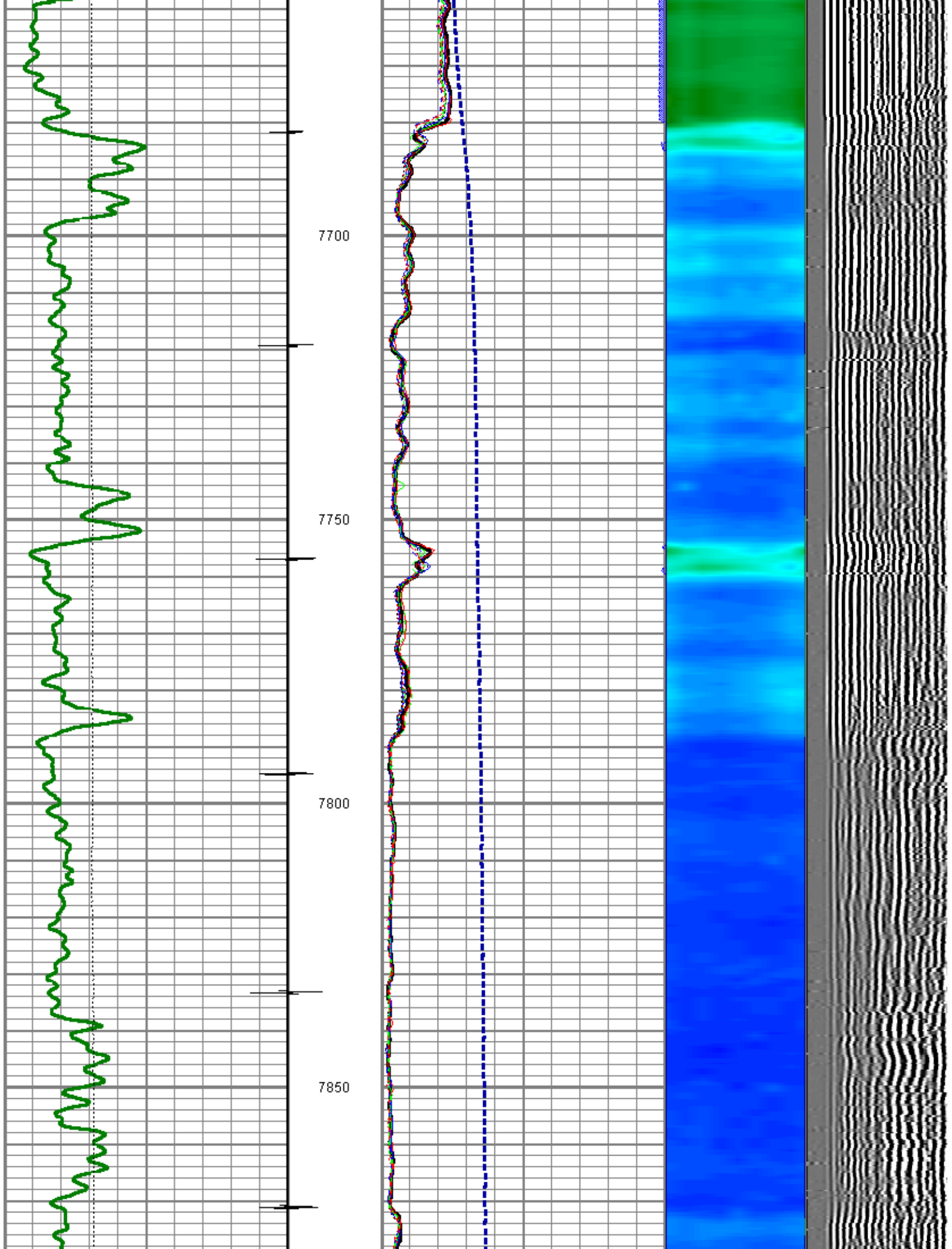


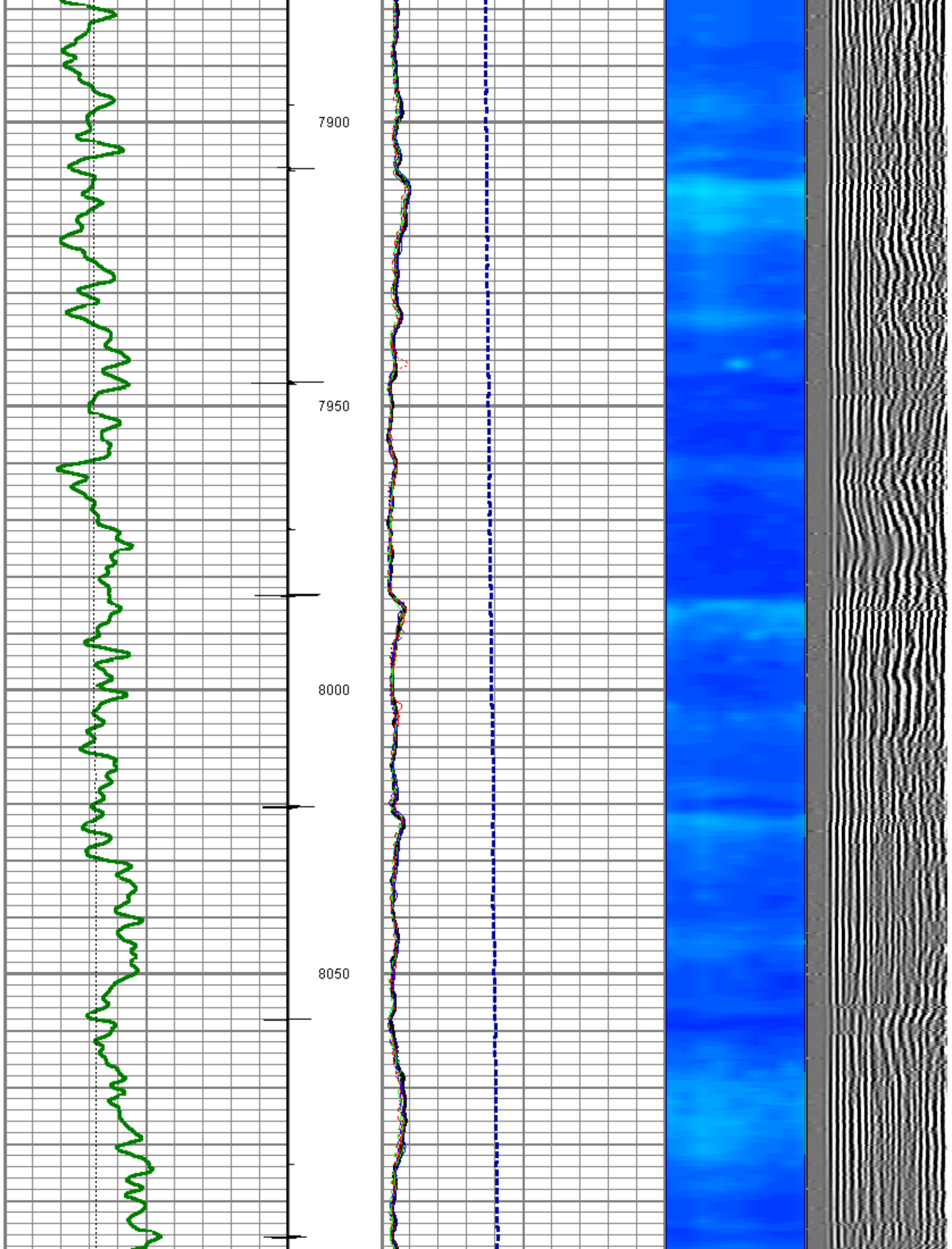


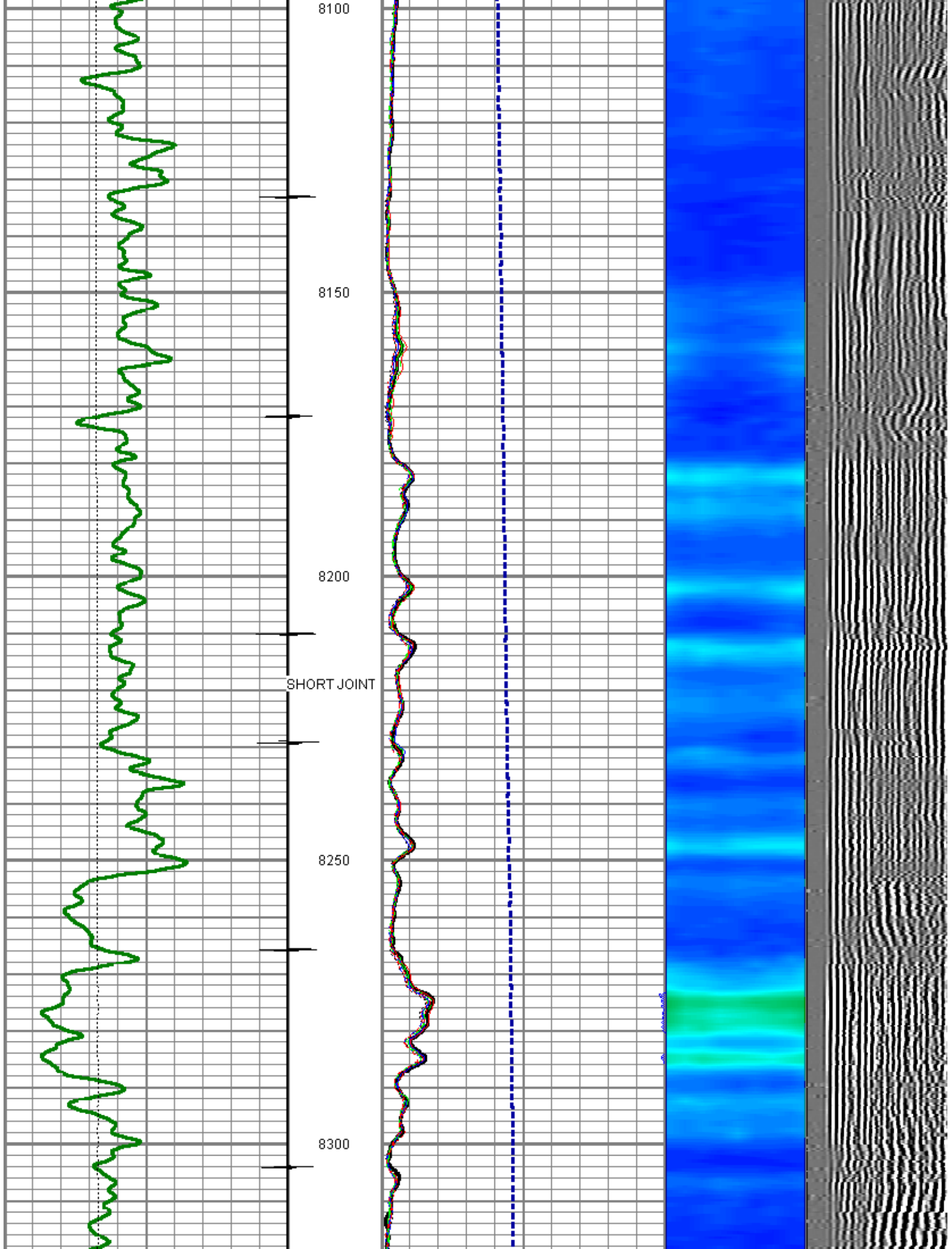


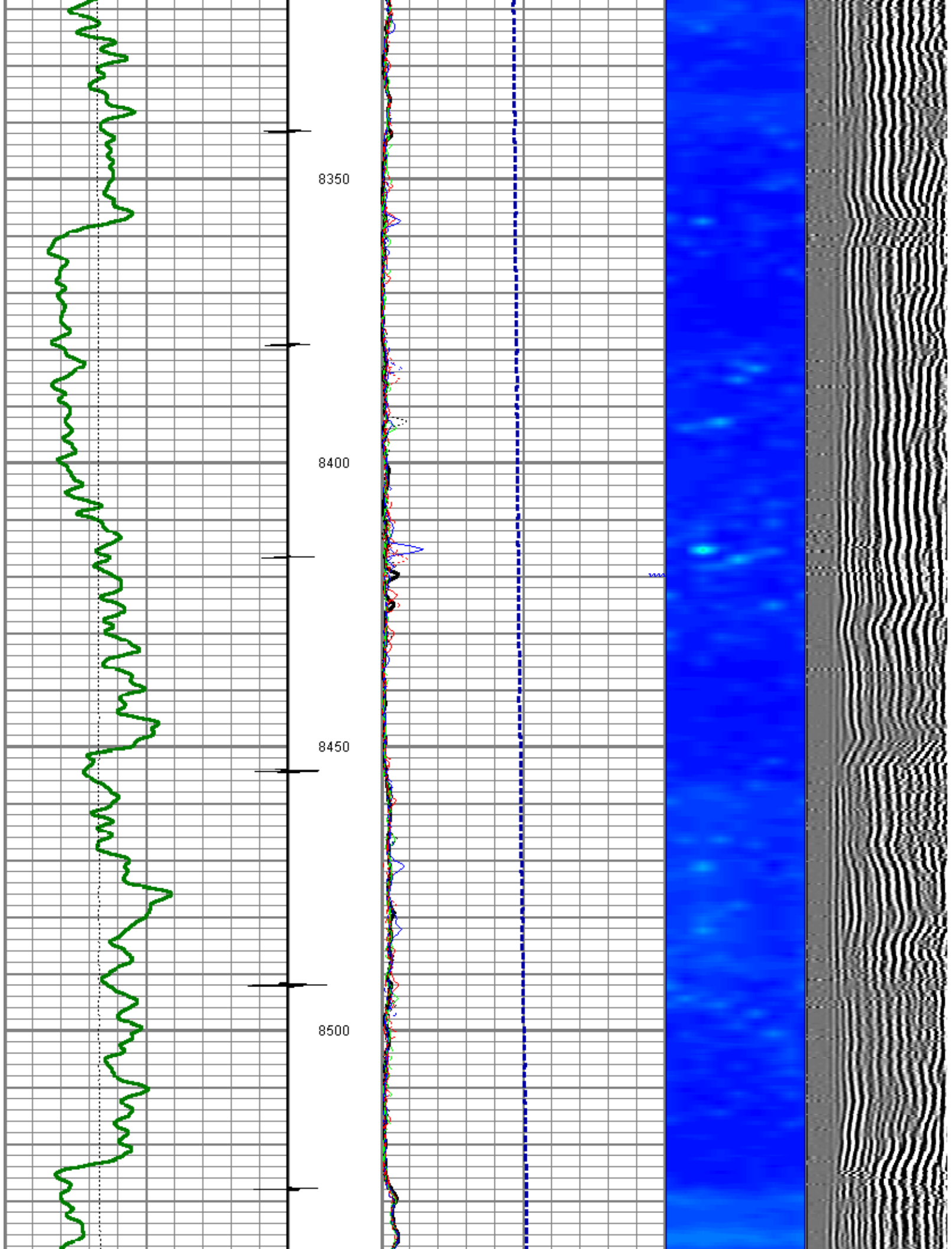


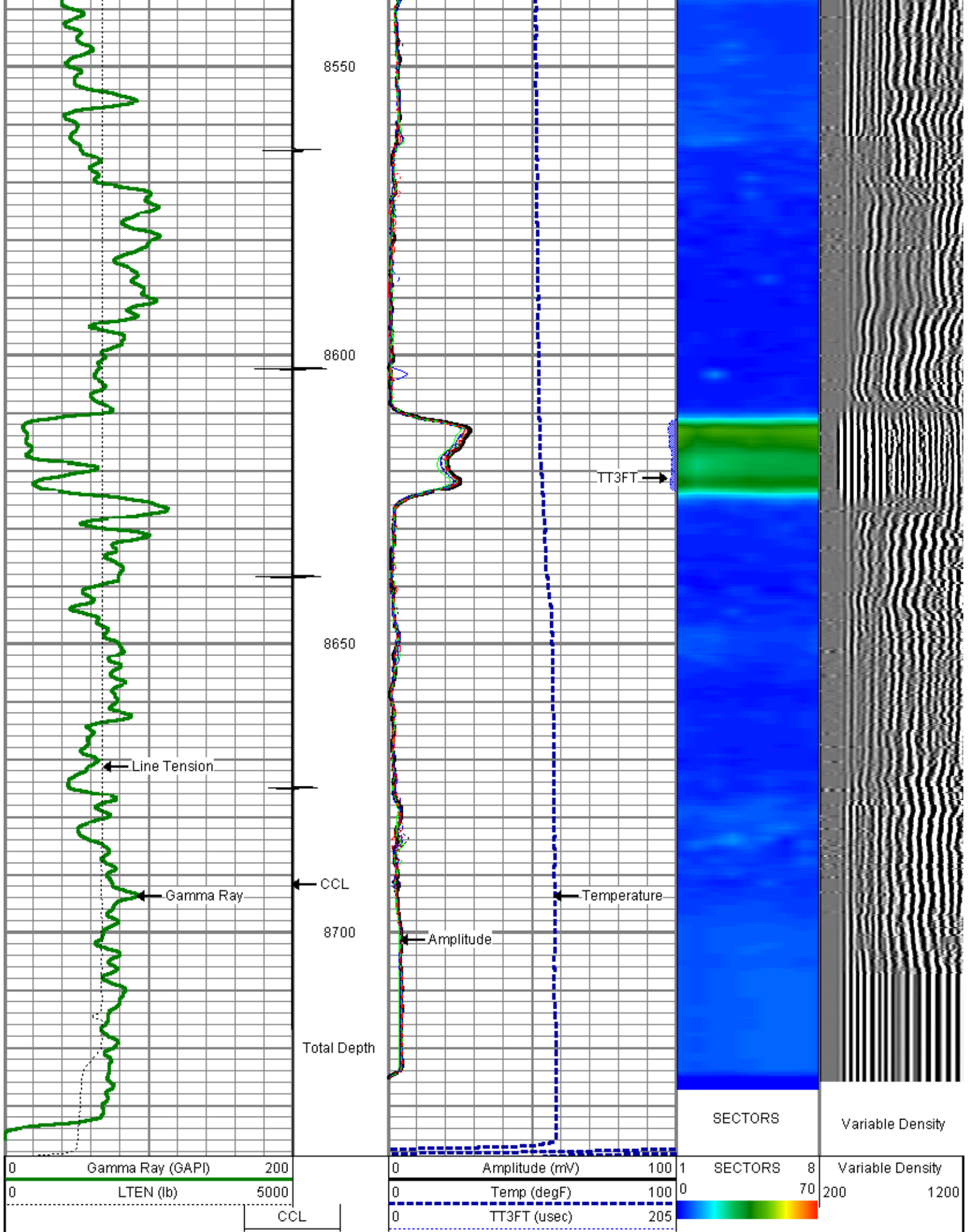


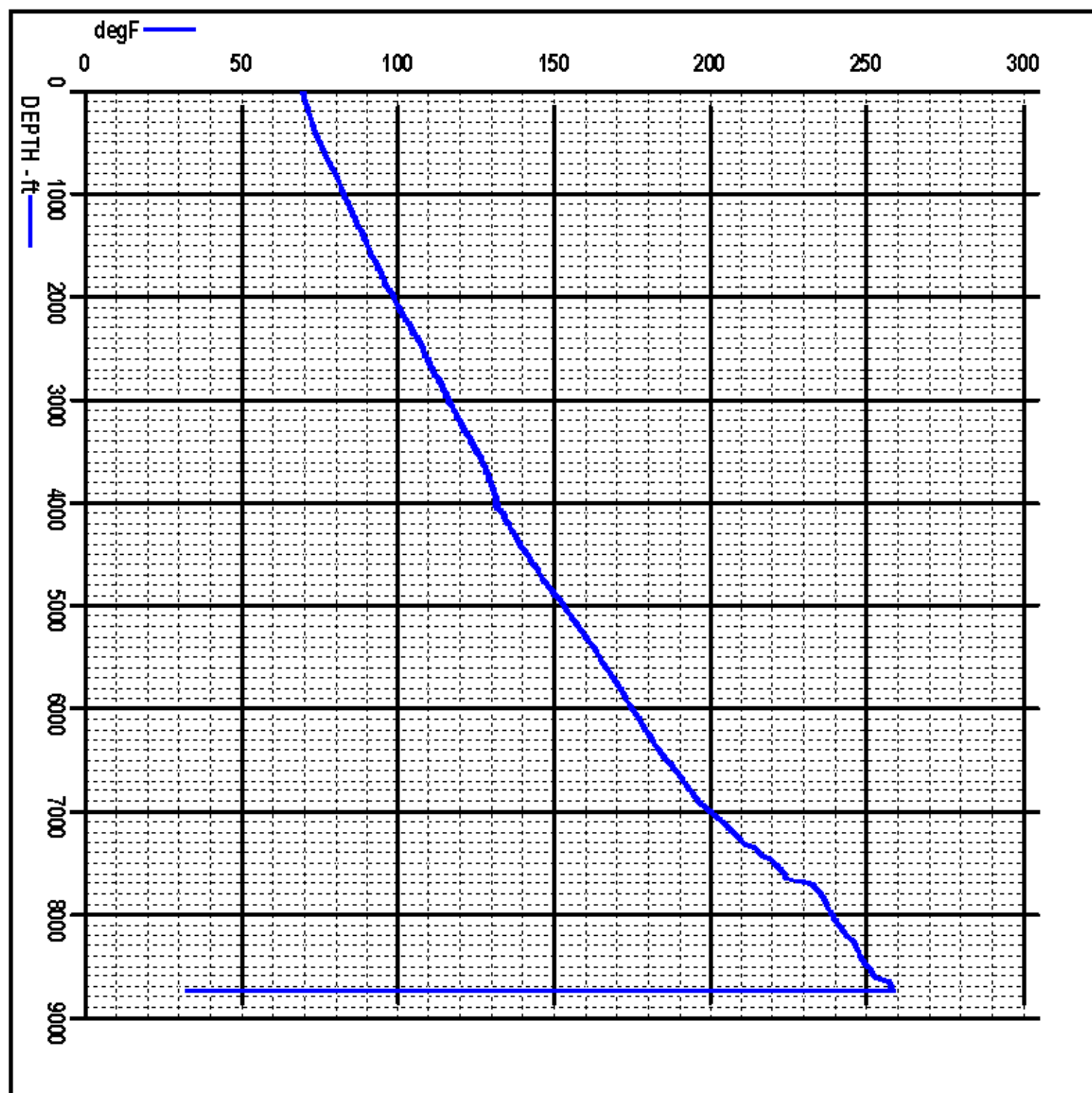




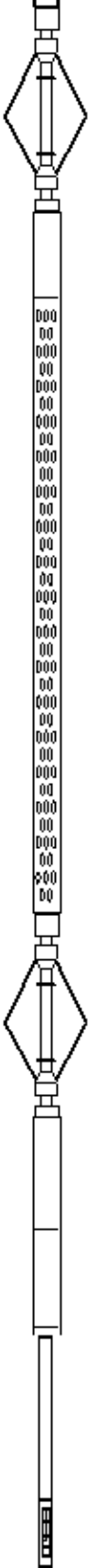








Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	21.68		TITAN	1.02	1.44	1.00
			SNDX_CCL-SNDX_3_13_CCL (000001) CSS Gamma Ray/CCL (CCL Section)	1.92	3.13	11.02

			SONDEX	2.71	2.75	32.00
WVFS3FT	13.92					
WVFS1	13.92		SDNX_RBT-007 (000001) Radial Bond Tool - Analog 3 1/8	9.47	3.13	140.00
WVFS2	13.92					
WVFS3	13.92					
WVFS4	13.92					
WVFS5	13.92					
WVFS6	13.92					
WVFS7	13.92					
WVFS8	13.92					
WVFS5FT	12.92					
			SONDEX	2.71	2.75	32.00
GR	5.17		SDNX_GR-SDNX_3_13_GR (000001) Sondex Production Gamma Ray	2.94	3.13	22.05
			TEMP-SDNX_TEMP (SDNX_TEMP_01) Sondex Production Temperature Tool	3.14	1.63	10.00
TEMP	0.58					
Dataset: a_noracbl.db: field/well/run1/pass2 Total Length: 23.90 ft Total Weight: 248.07 lb O.D. 3.13 in						



Company
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Field
County

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MAMM CREEK
GARFIELD

