



Mesa Wireline

# CEMENT BOND LOG

Company	ANTERO RESOURCES CORP.		
Well	ROBINSON C13		
Field	MAMM CREEK		
County	GARFIELD		
State	COLORADO		
Company	ANTERO RESOURCES CORP.	Location:	API #: 05-045-14673-0000
Well	ROBINSON C13		SHL: SENE 1/4, 2442'
Field	MAMM CREEK		FNL & 191' FEL
County	GARFIELD		LAT: 39.527257 LON: 107.681907
State	COLORADO		SEC: 17 TWP: 6S RGE: 92W
		Permanent Datum	GL Elevation 5645'
		Log Measured From	KB = 24' AGL
		Drilling Measured From	KB
			Elevation 5669'
			D.F. 5668'
			G.L. 5645'

Date	25 APRIL 2008			
Run Number	1			
Depth Driller	8851'		PBTD	
Depth Logger	8444'			
Bottom Logged Interval	8444'			
Top Log Interval	SURFACE			
Open Hole Size	7.875"			
Type Fluid	WATER			
Density / Viscosity	~ 8.4 Lbm/Gal			
Max. Recorded Temp.	226.3 DegF			
Estimated Cement Top	3400'			
Time Well Ready	N/A			
Time Logger on Bottom	15:30			
Equipment Number	FL0602W			
Location	GJ CO			
Recorded By	S.ANDERSON			
Witnessed By	S.WIMMER			
Borehole Record				
Run Number	Bit	From	To	Size
	24"	SURFACE	50'	
	12.25"	50'	900'	
	7.875"	900'	8904'	
Tubing Record				
	Size	Weight	From	To
Casing Record				
Surface String	8.625"	24 #	SURFACE	900'
Prot. String				
Production String	5.5"	17 #	SURFACE	8892' SHOE
Liner				
Conductor	16"	55 #	SURFACE	50'

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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

Log was fully correlated Halliburton open hole data dated 22 Apr 08.  
Open hole Gamma Ray curve is shown to assure correlation.  
Short Joints: 4849' - 4878', 8432' - 8451'

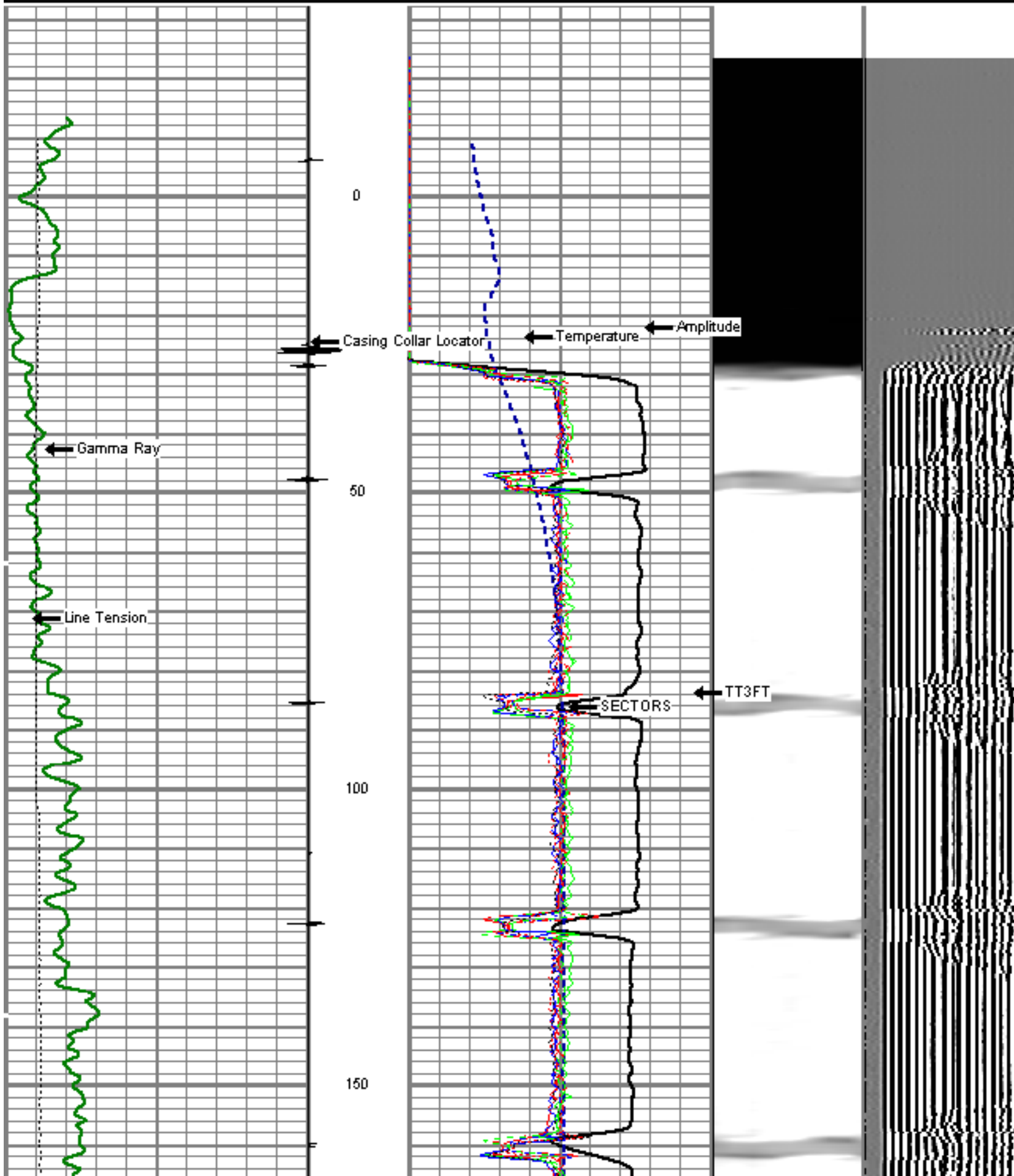
Crew: M.Bear, J.Reyes

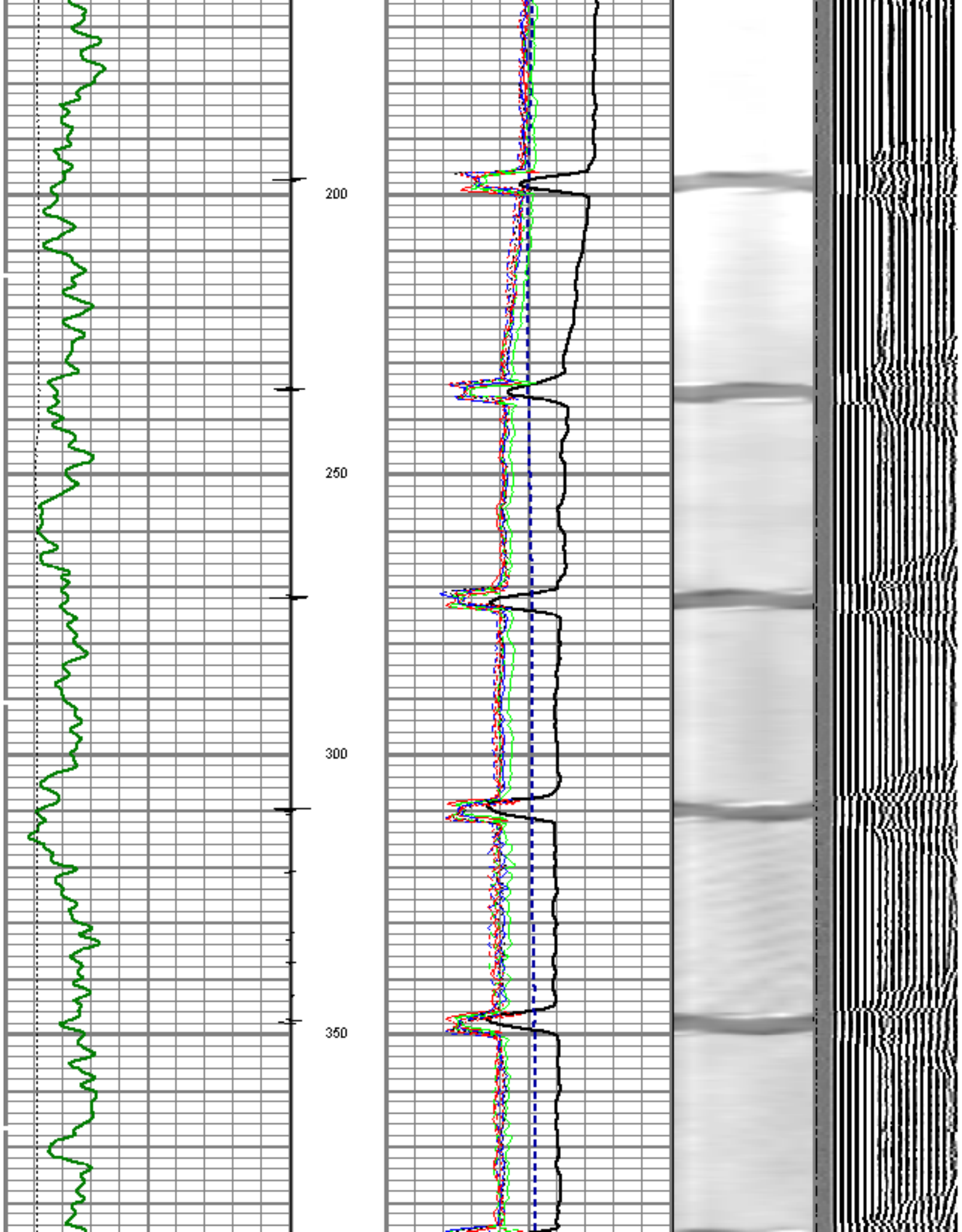
We appreciate your business, Cutters Wireline Group, Grand Junction Co. (970)257-0458

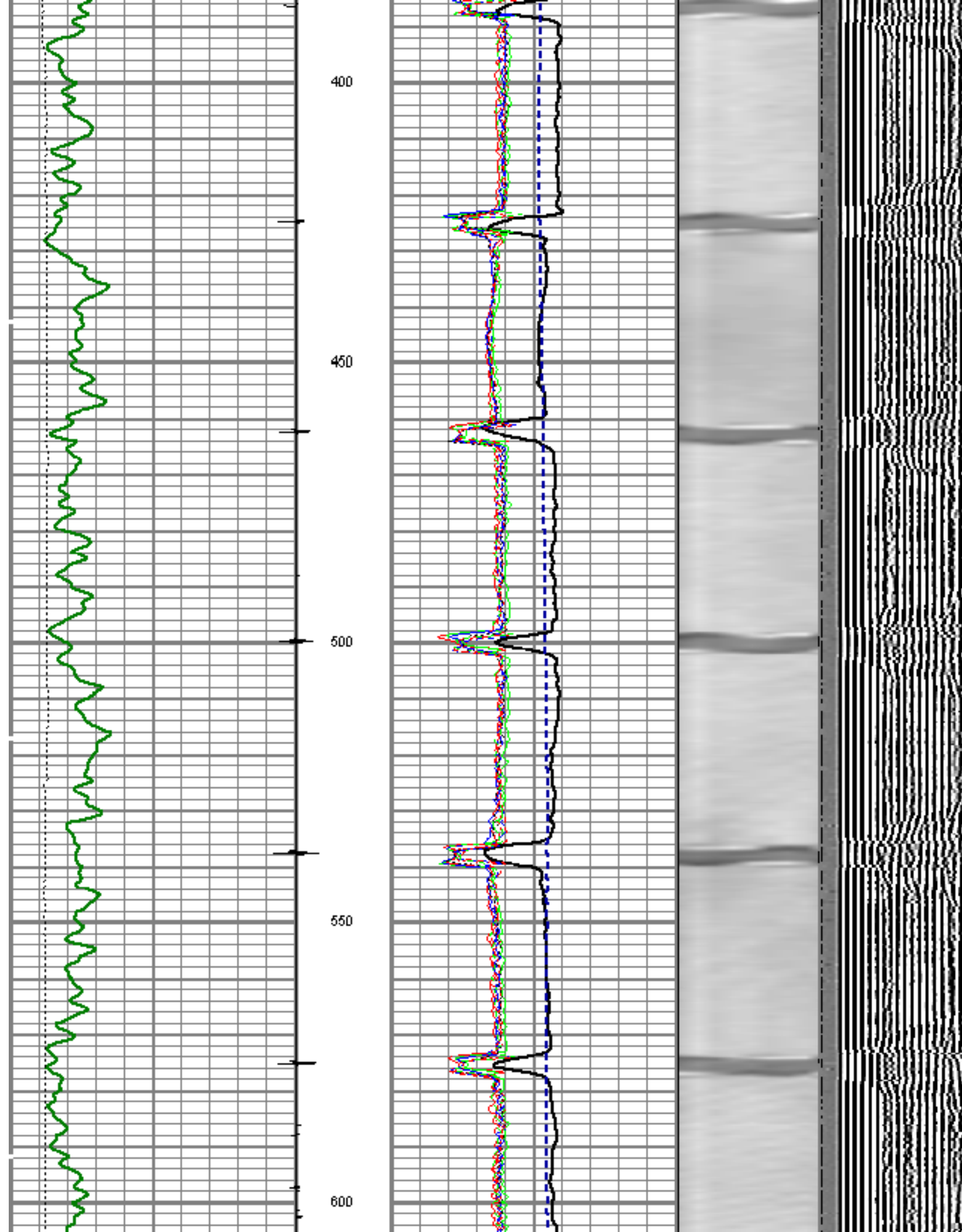
0	Gamma Ray (GAPI)	200
0	LTEN (lb)	4000
		CCL

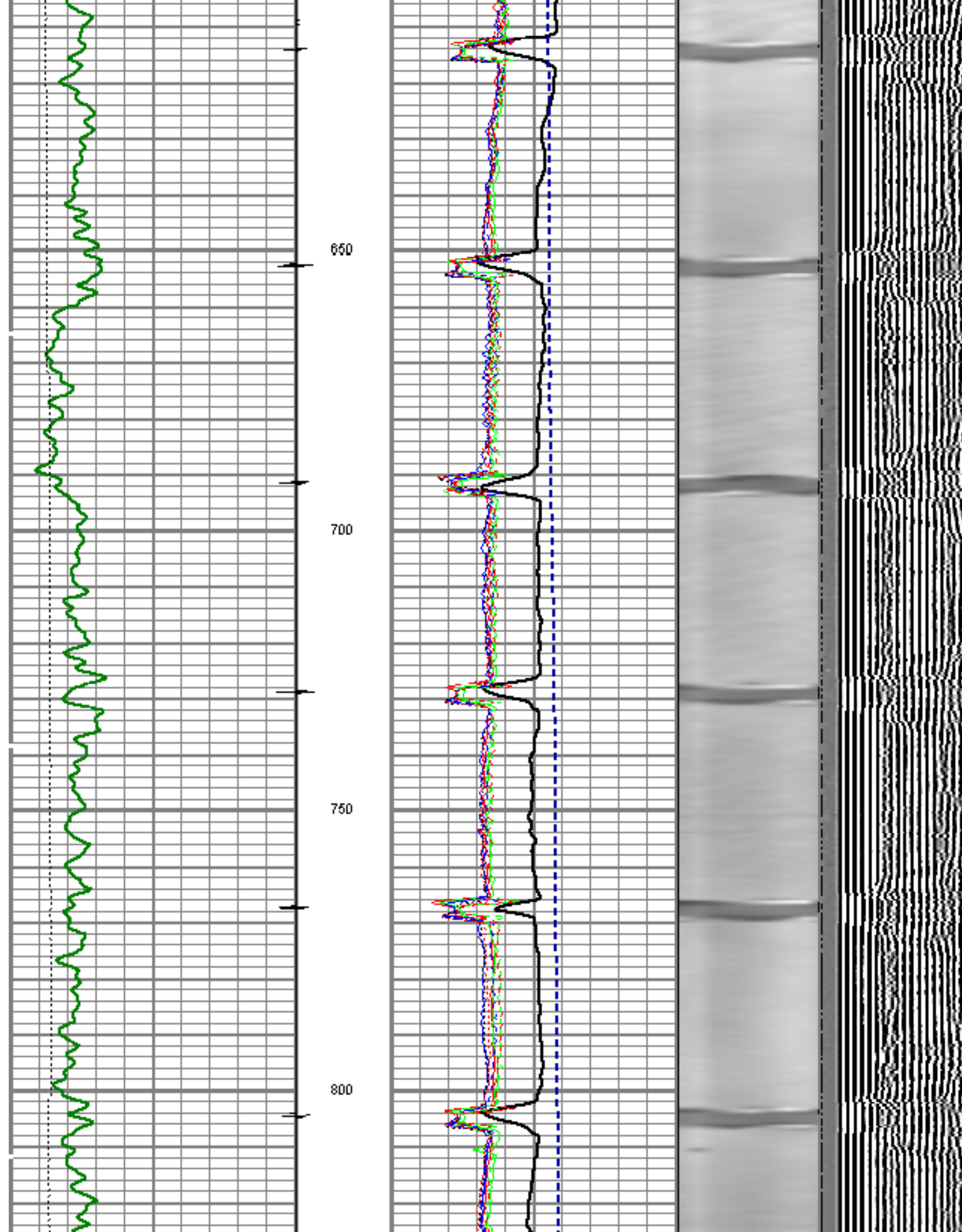
0	Amplitude (mV)	100
0	temp (degF)	100
0	TT3FT (usec)	190

1	SECTORS	8	Variable Density
0		70	200
			1200

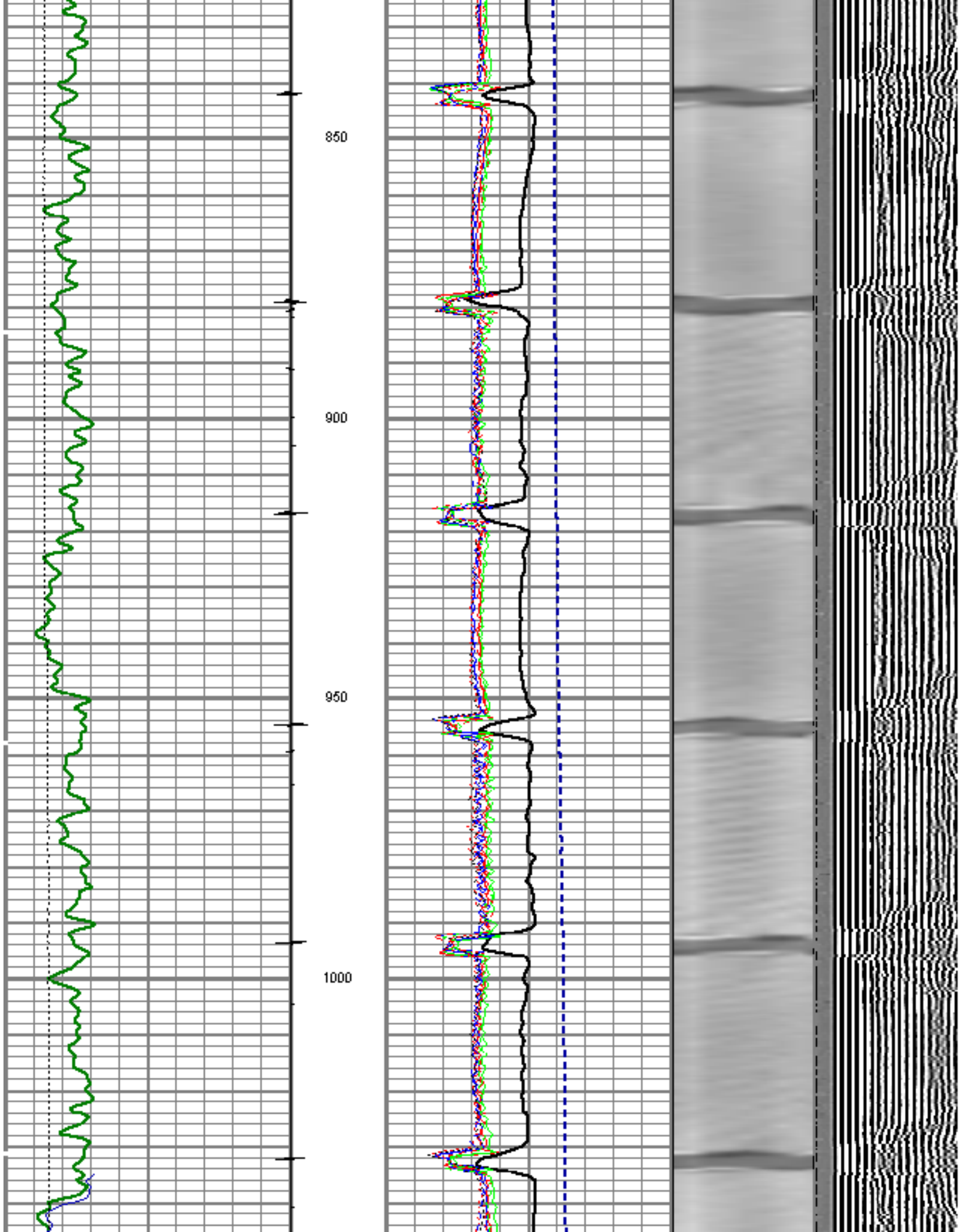


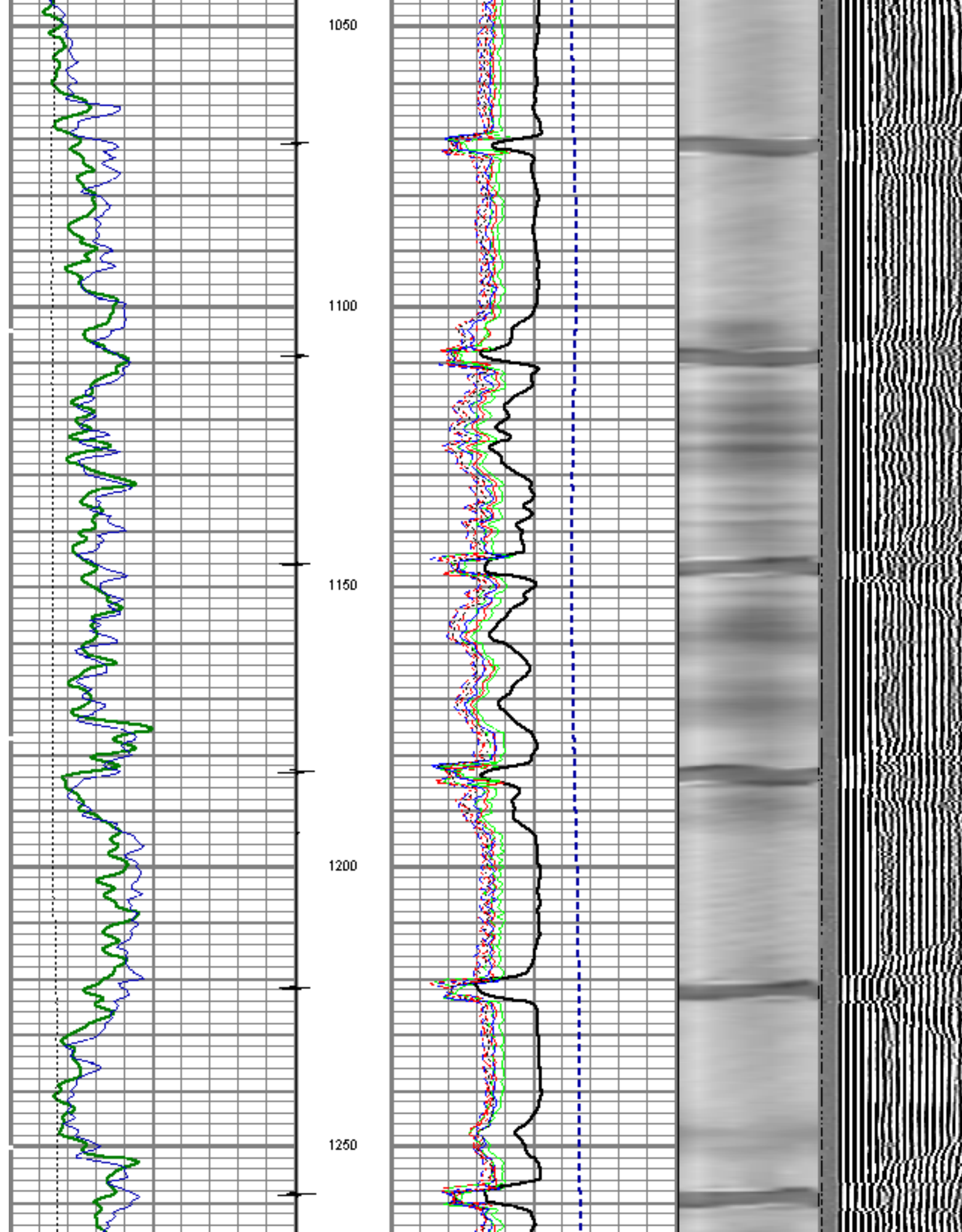


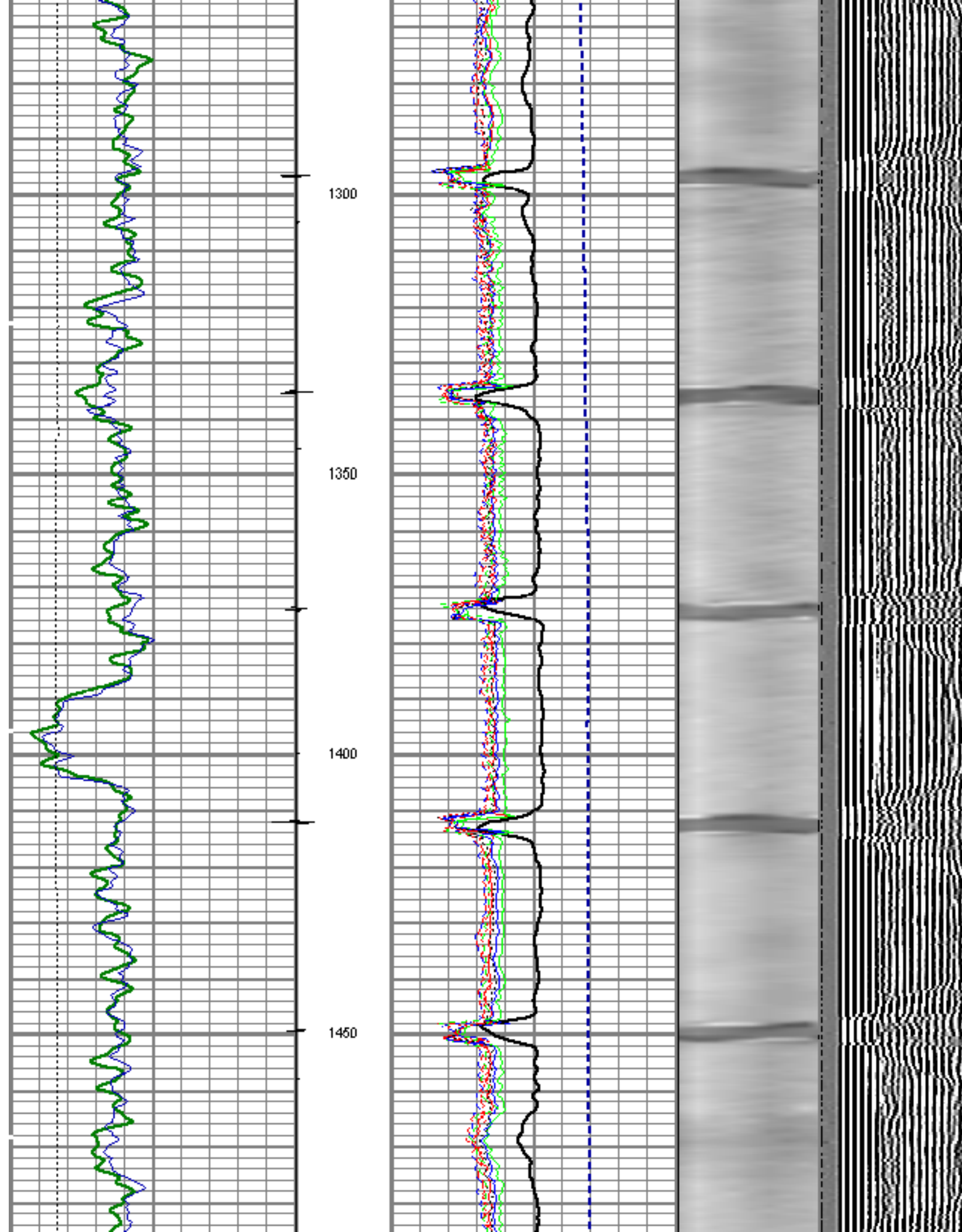




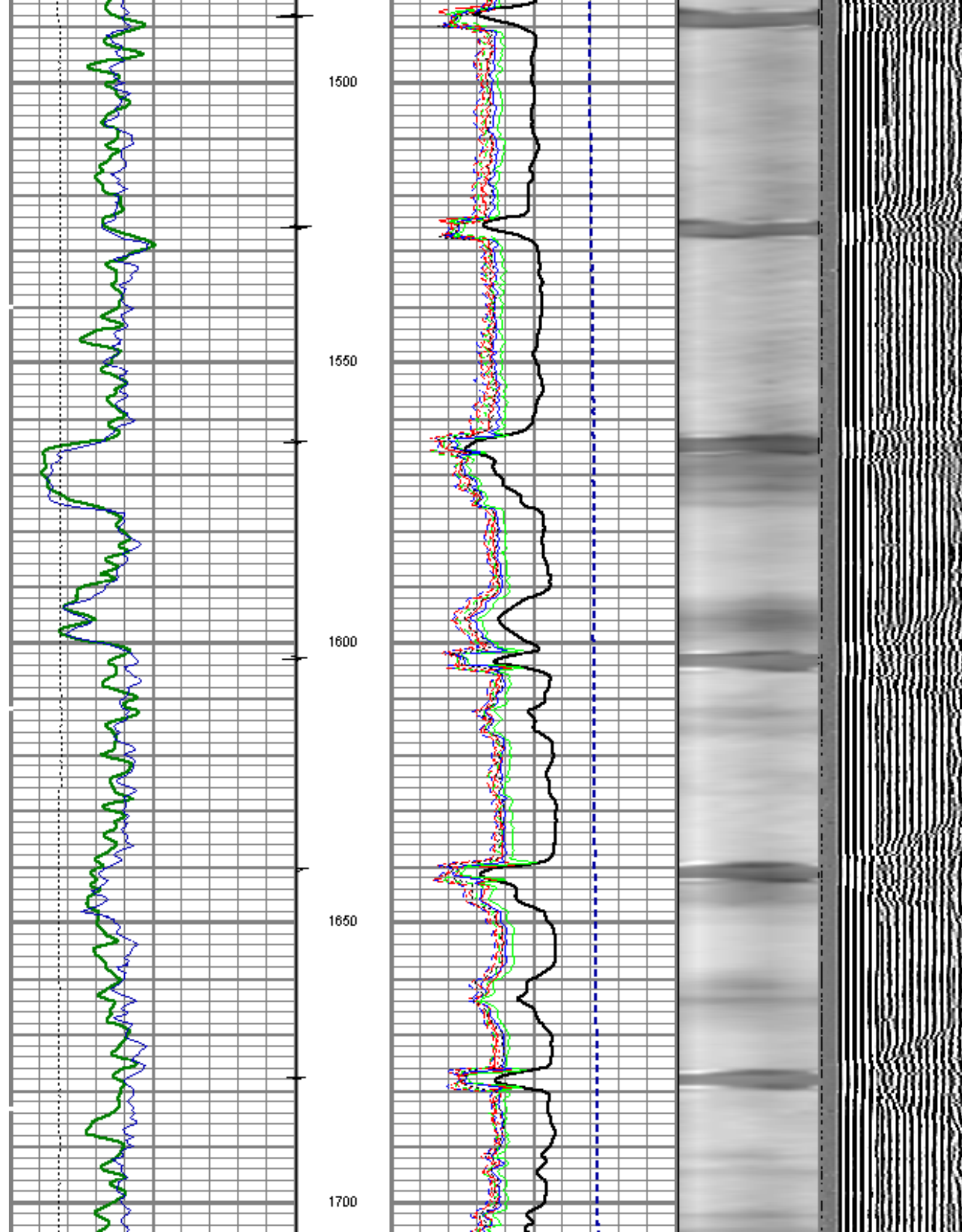


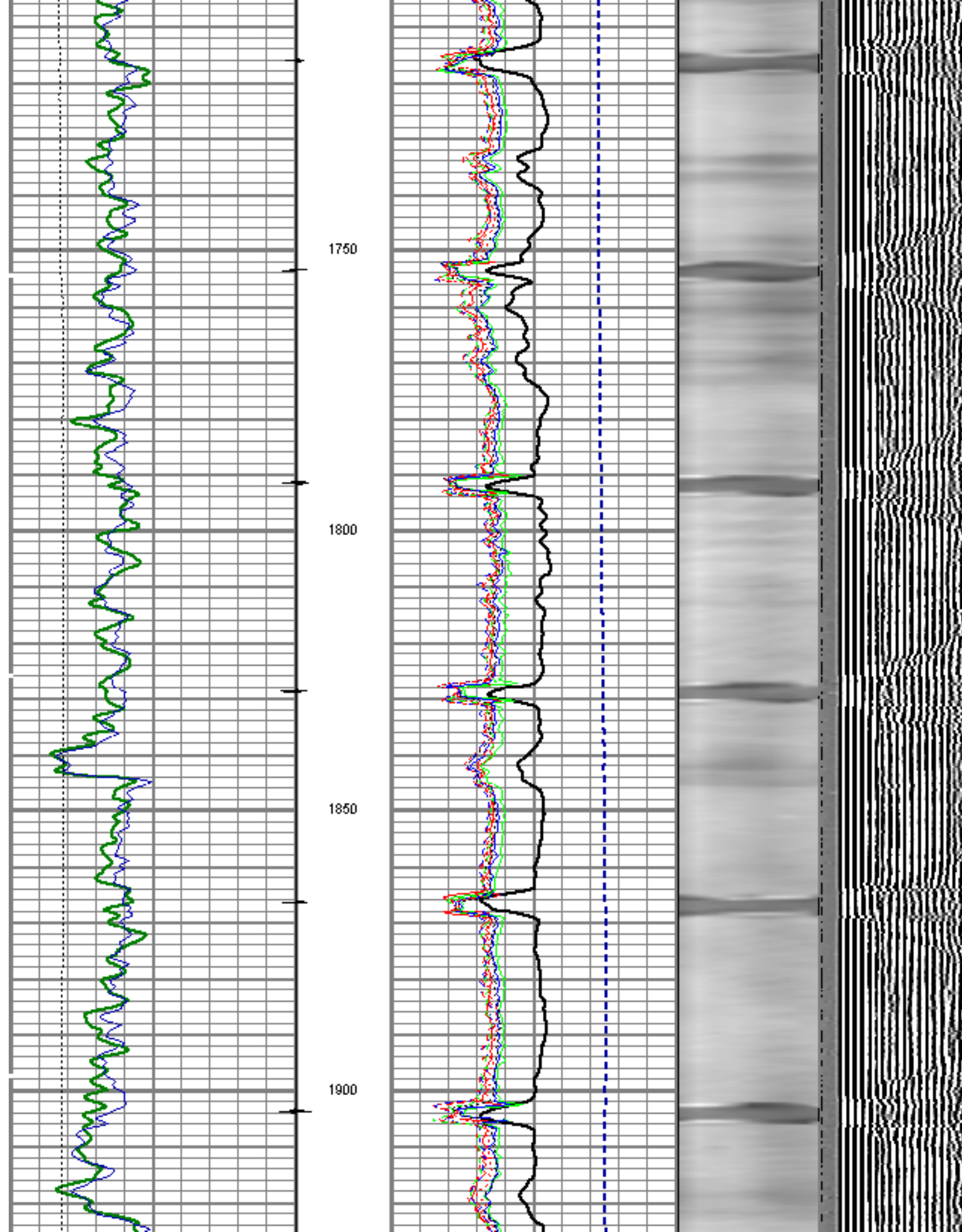


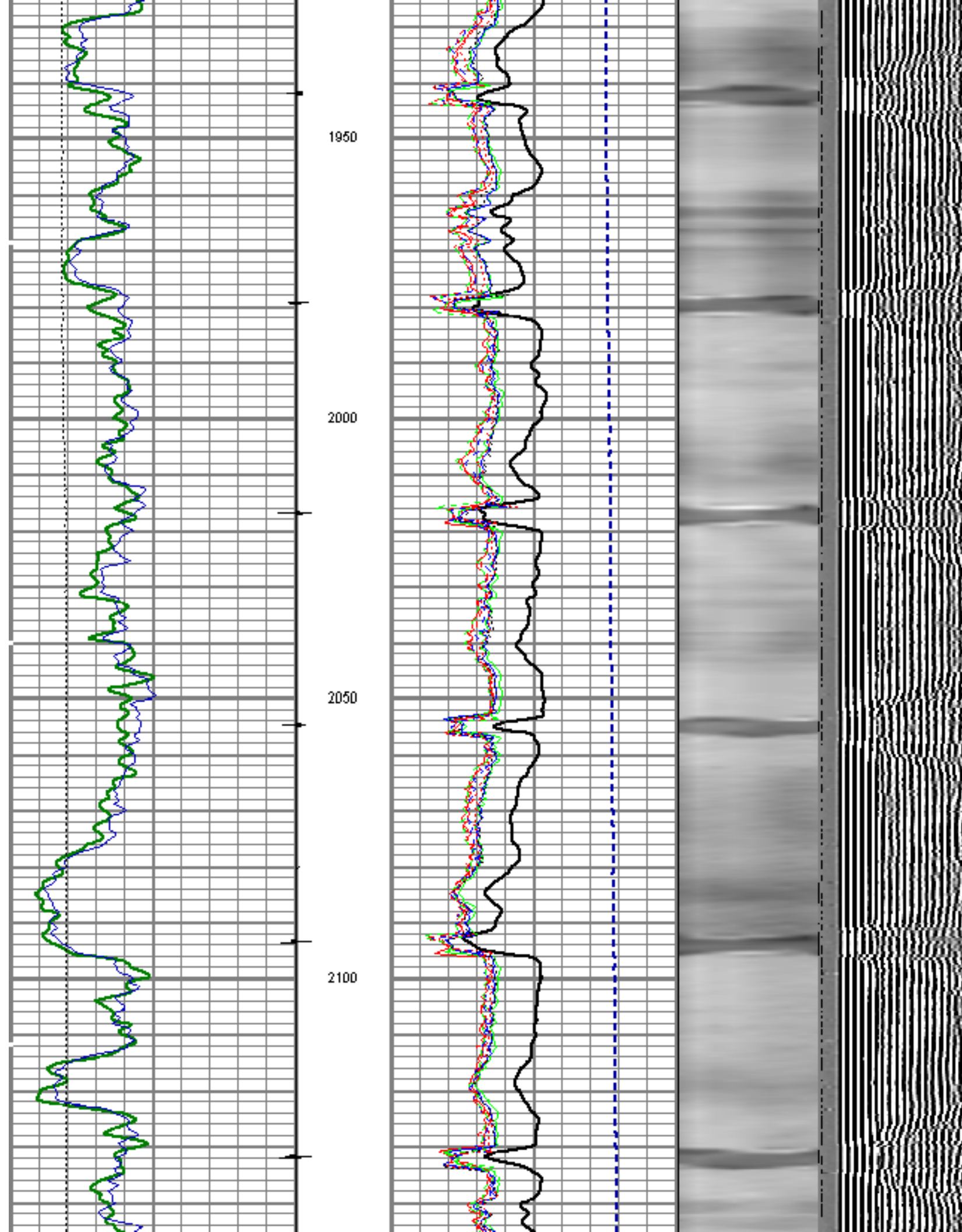


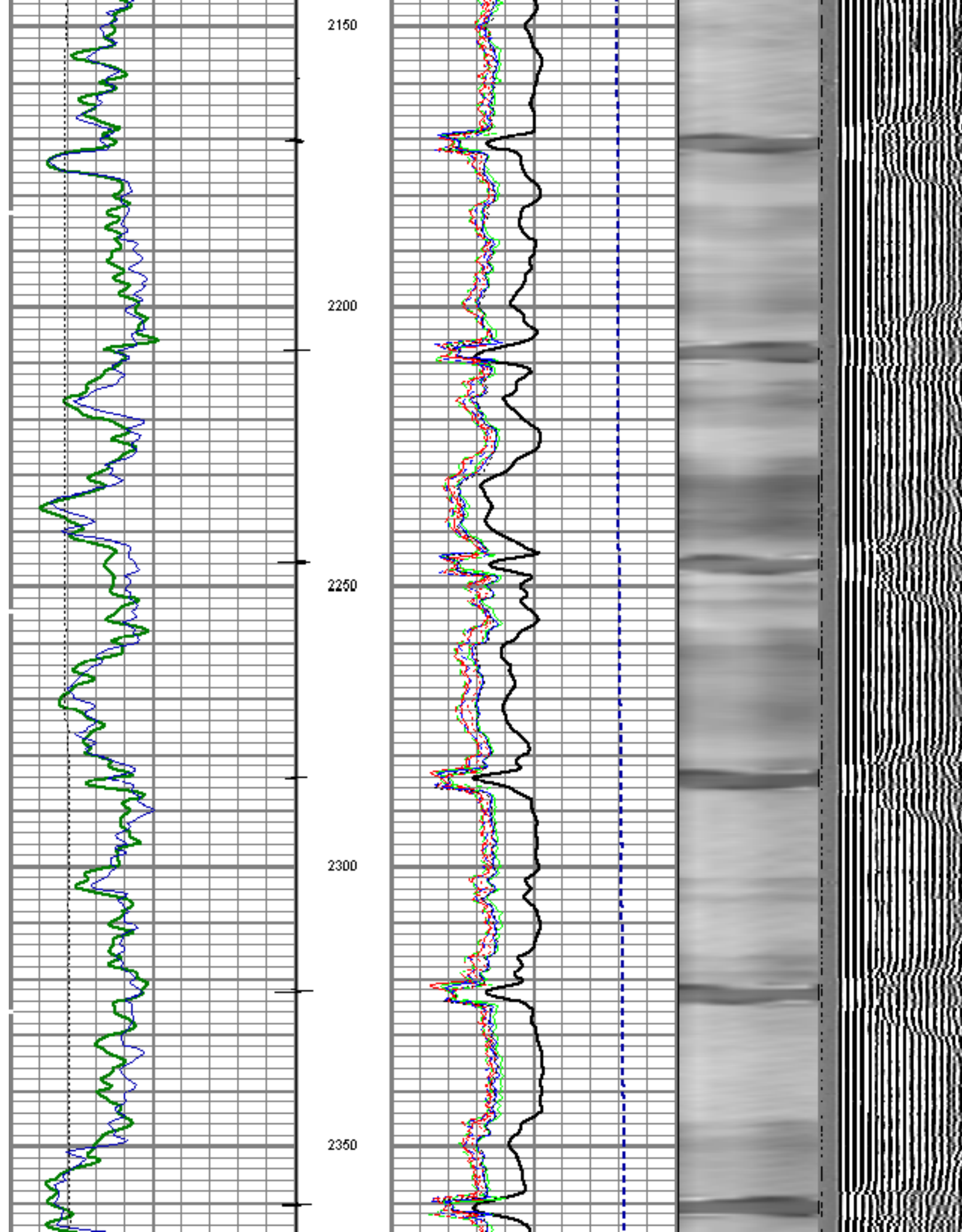




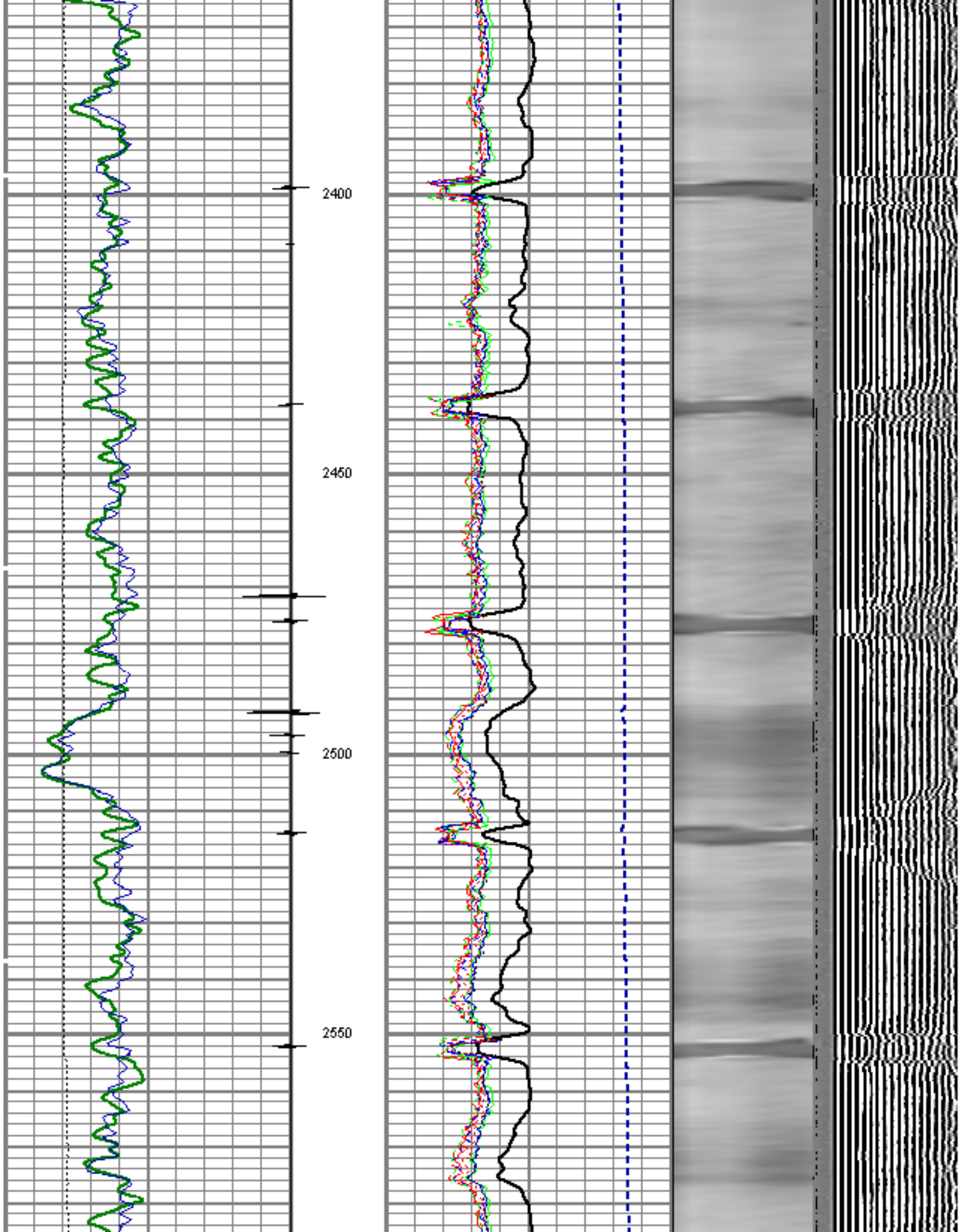




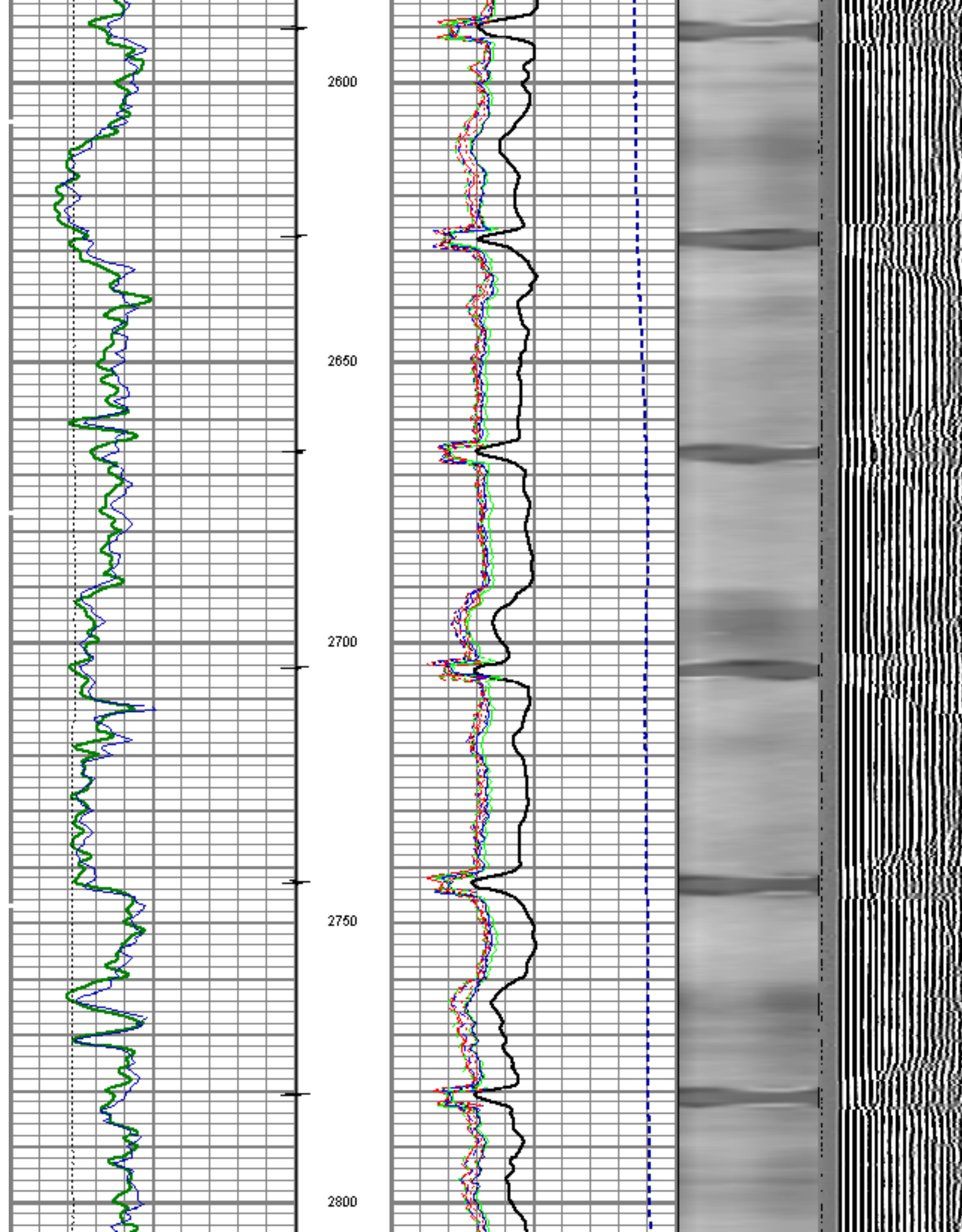


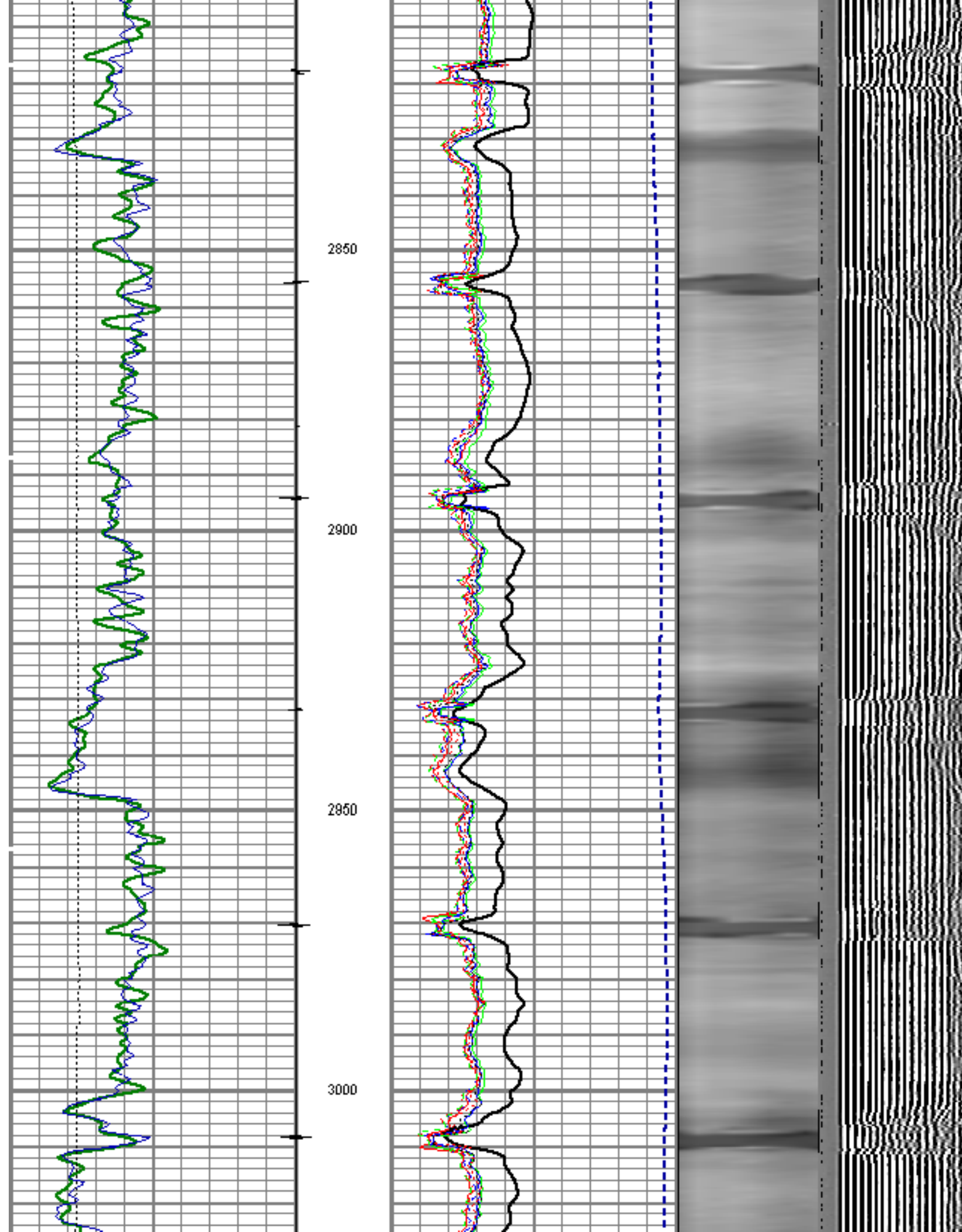


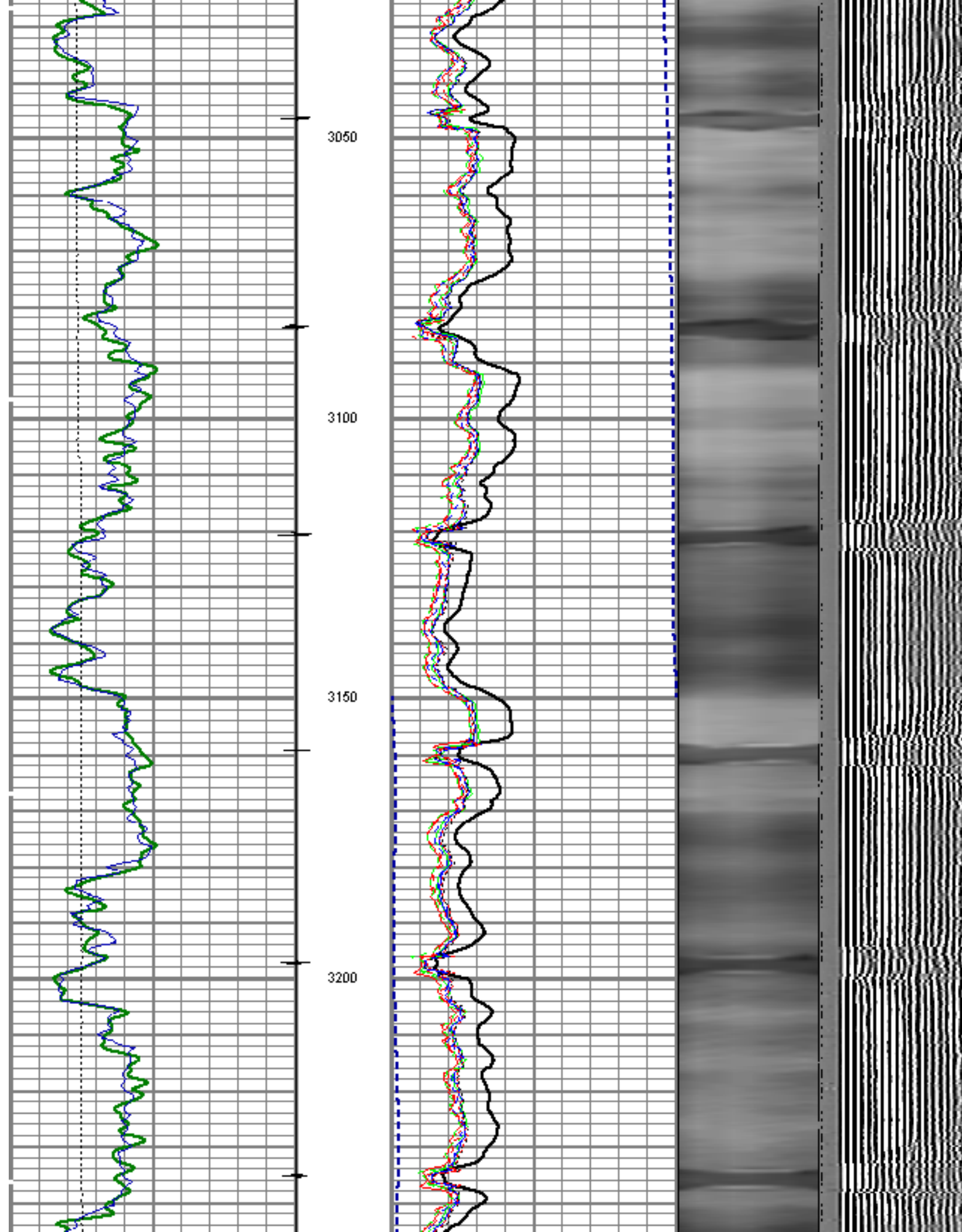


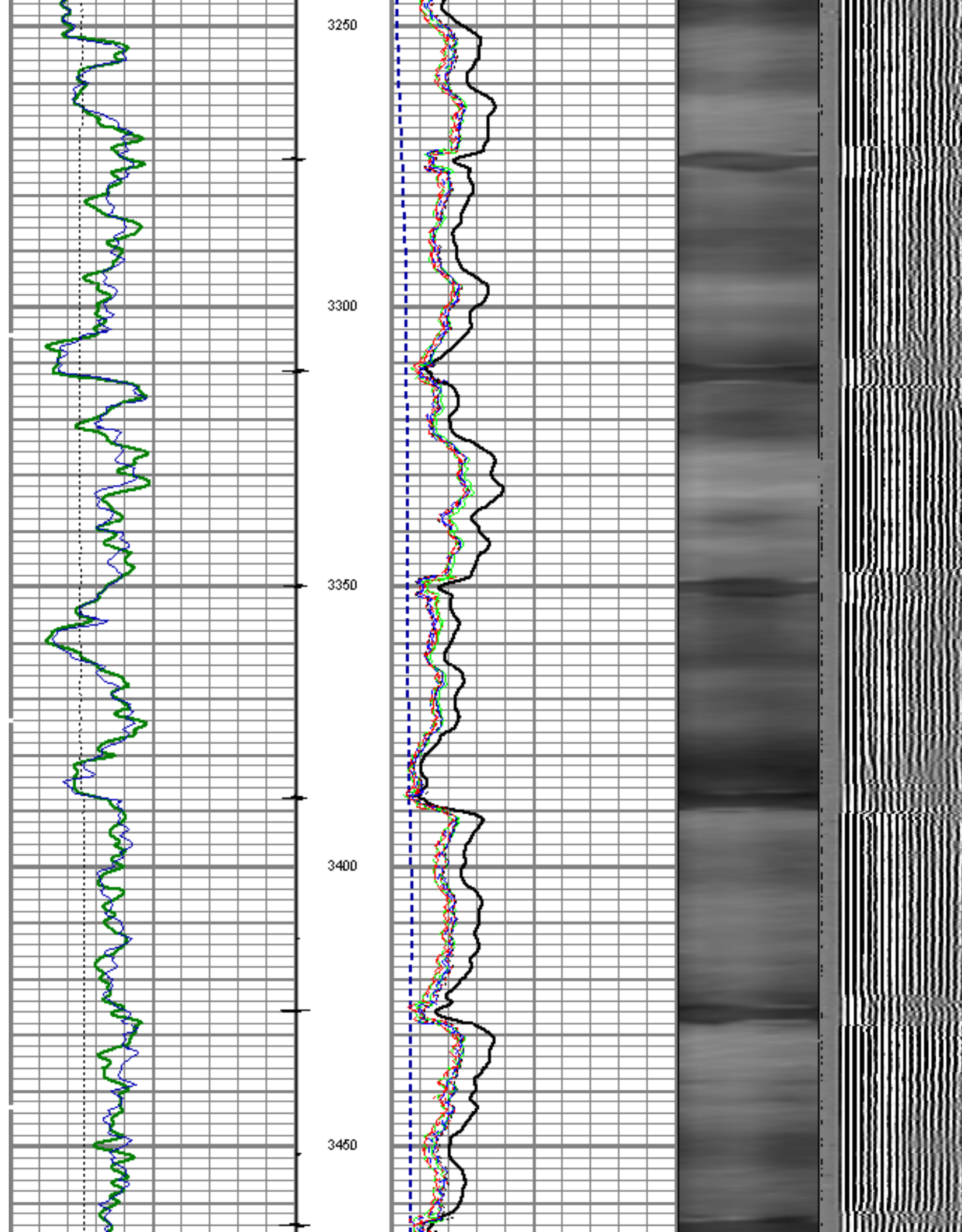




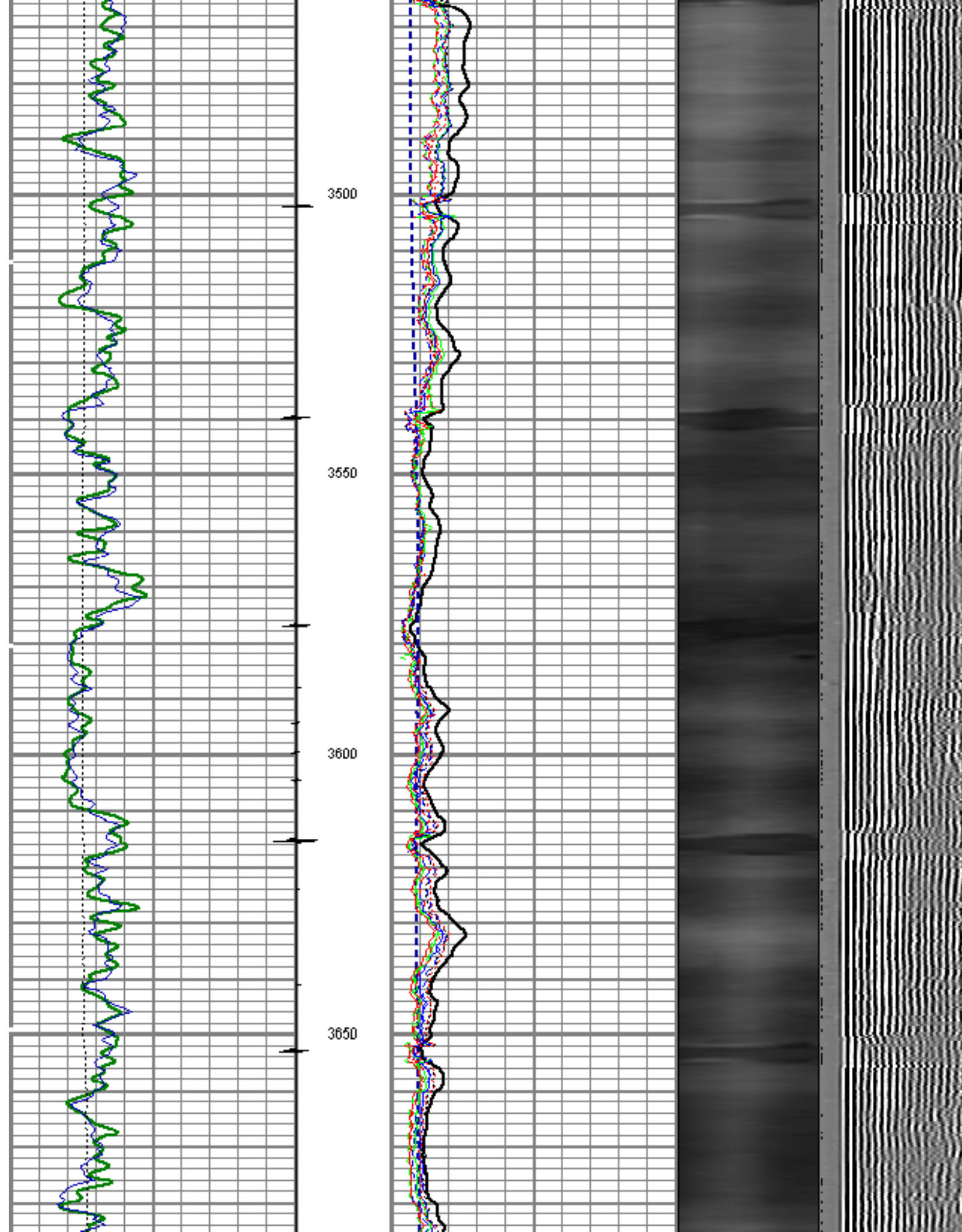




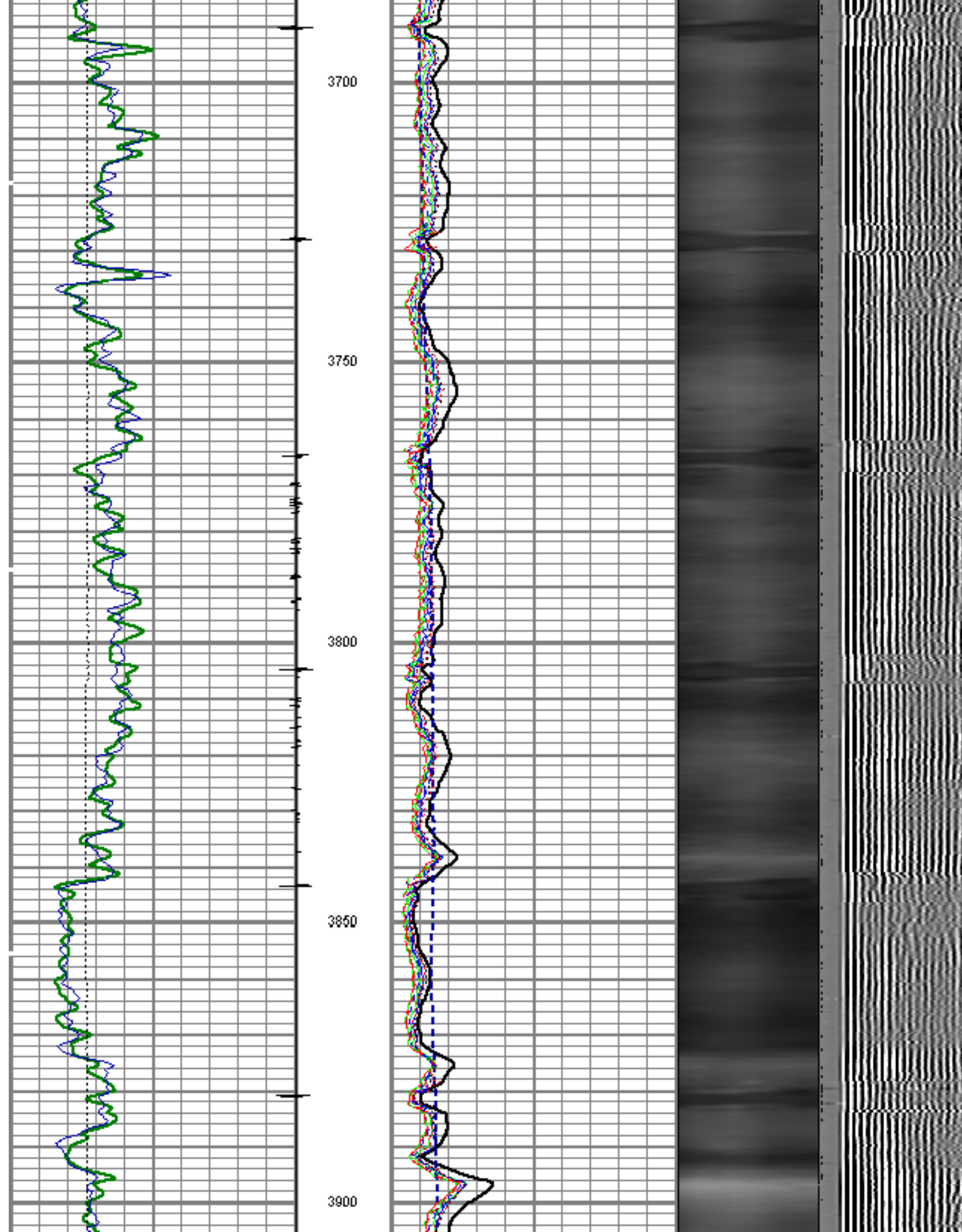


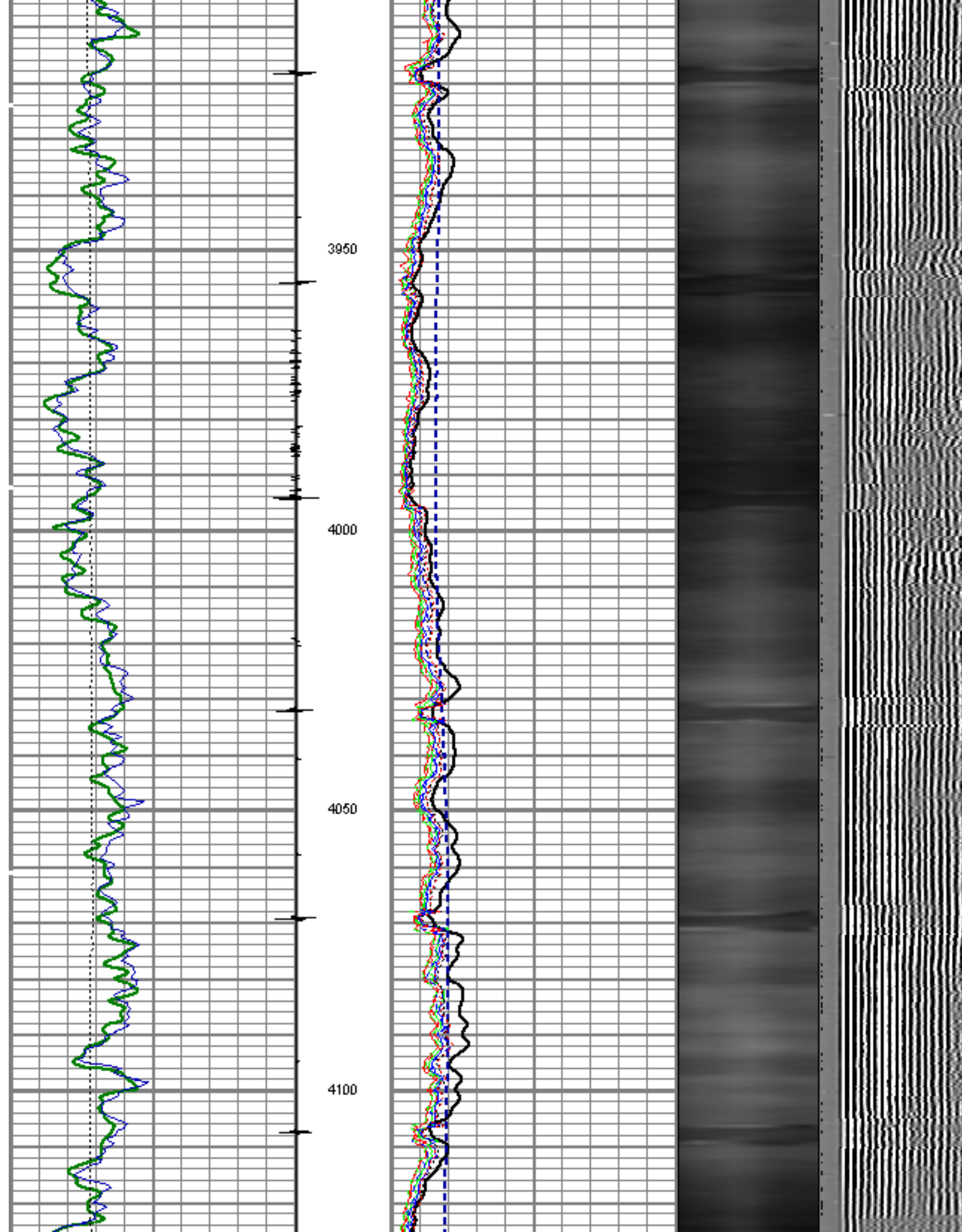


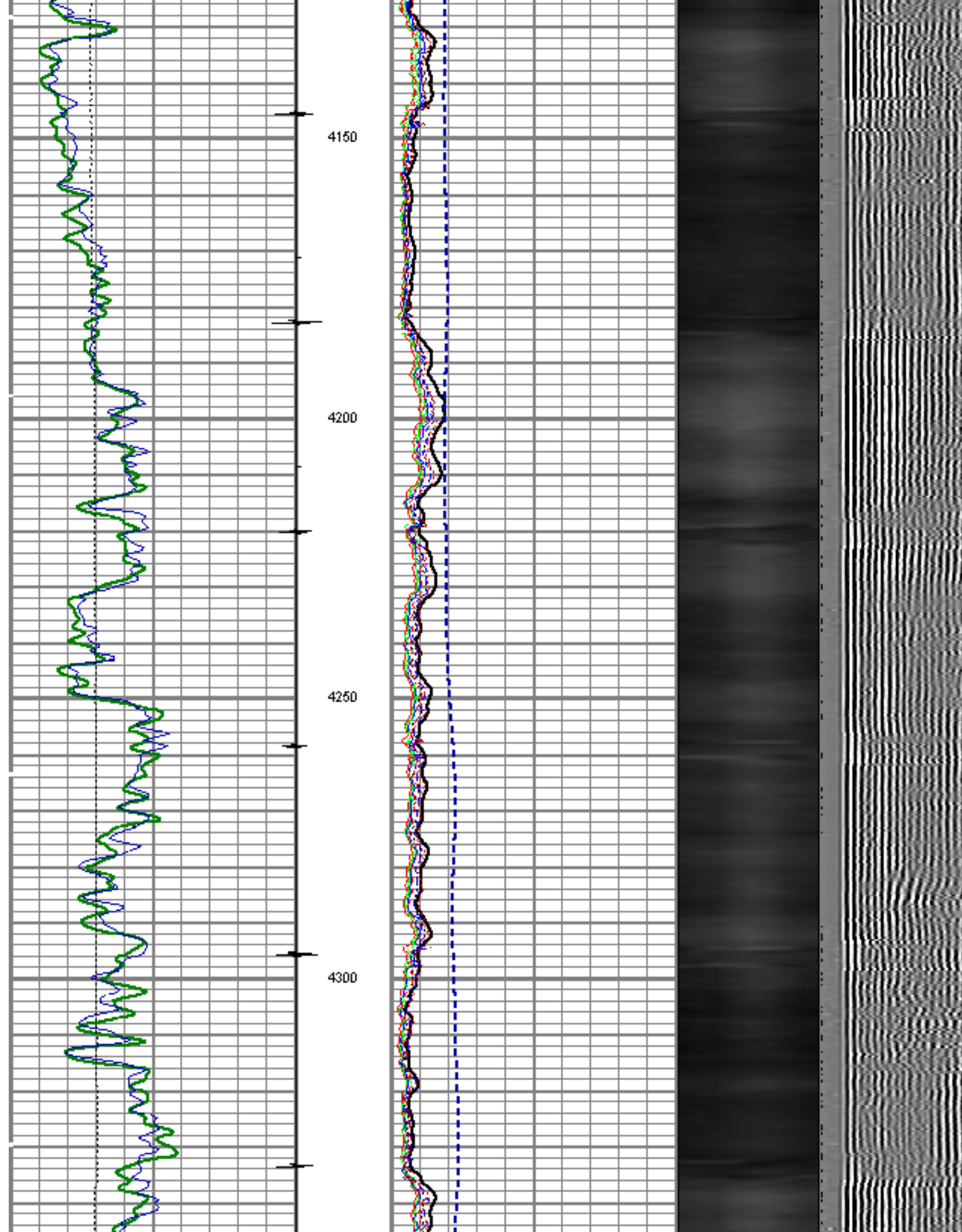


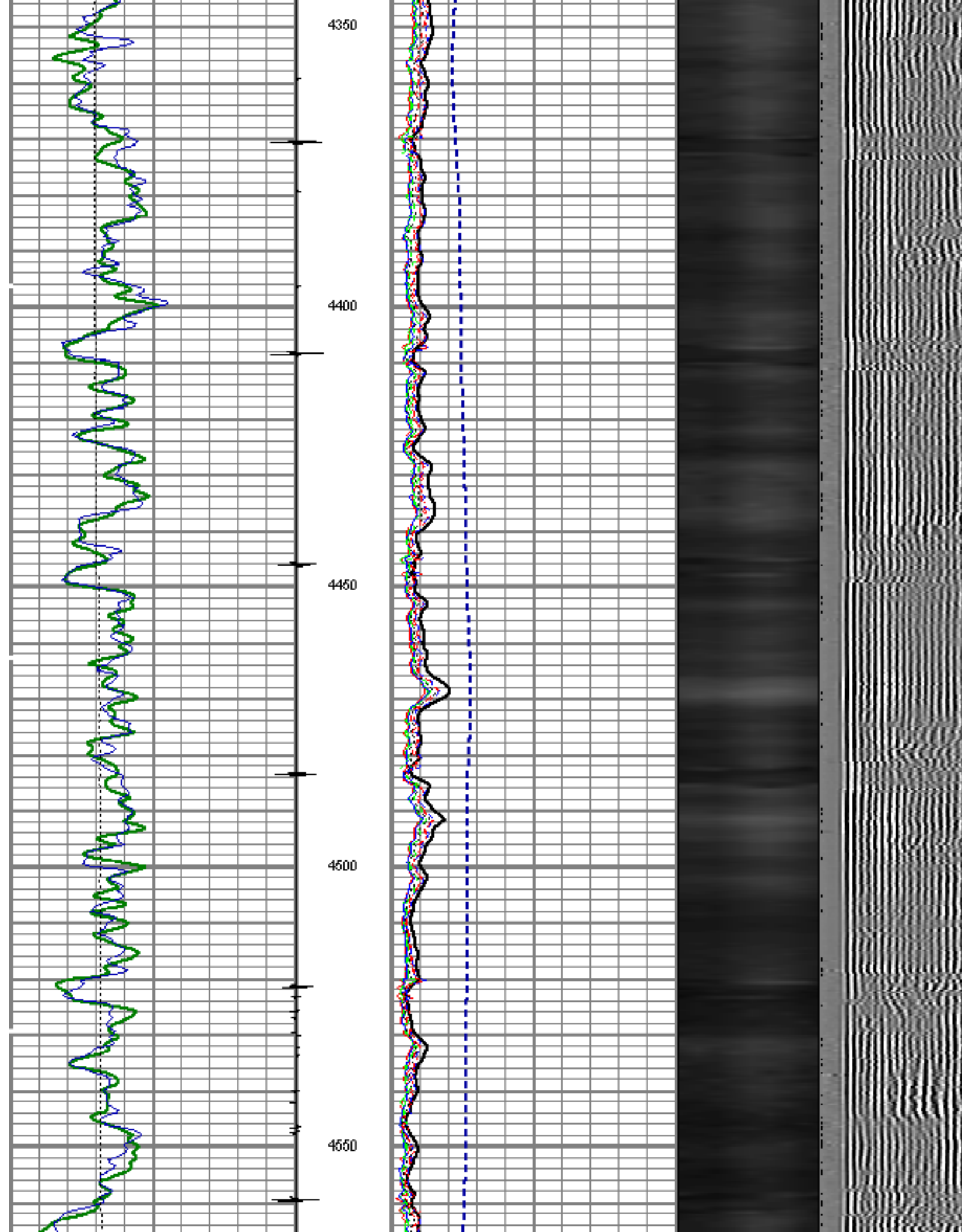




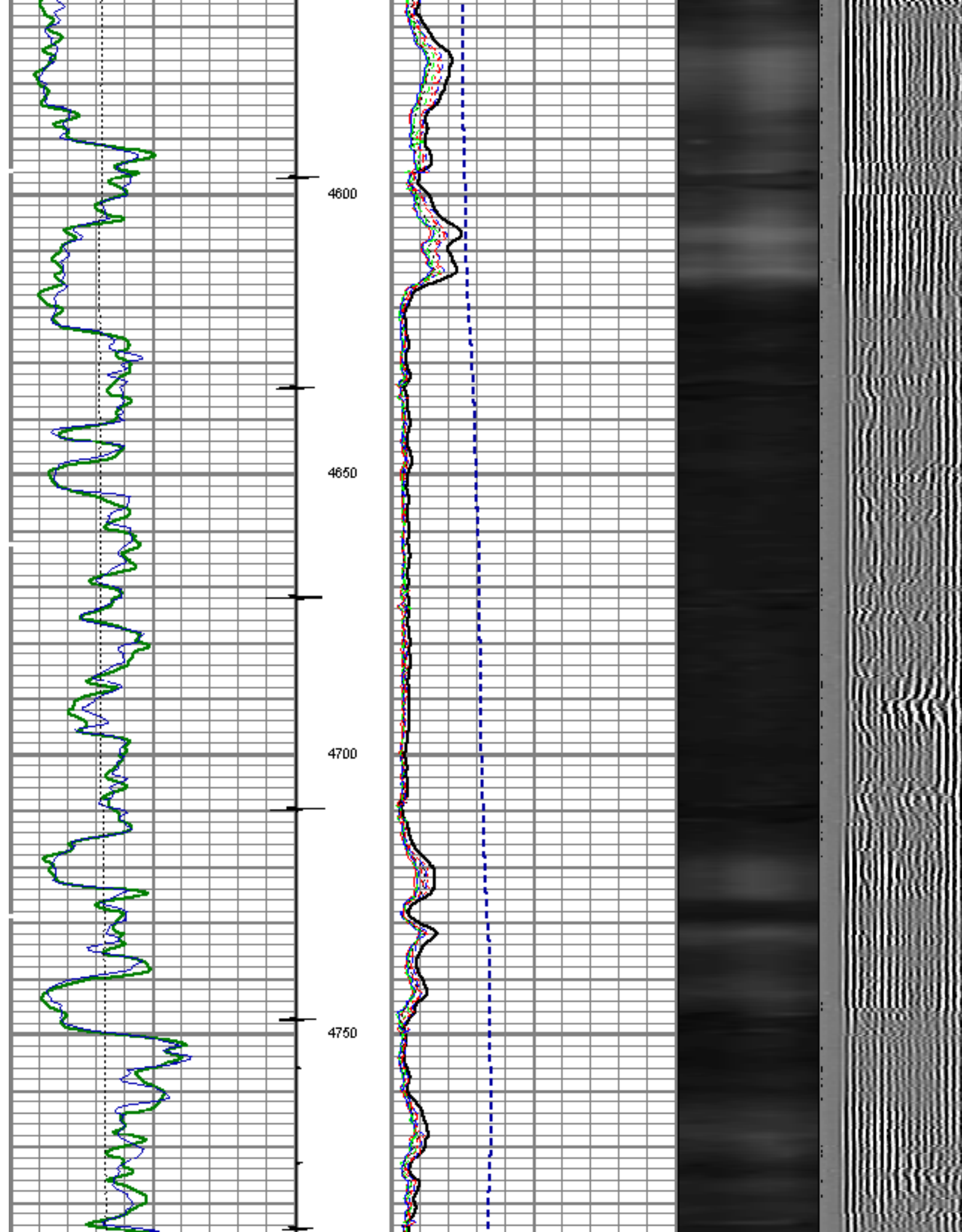




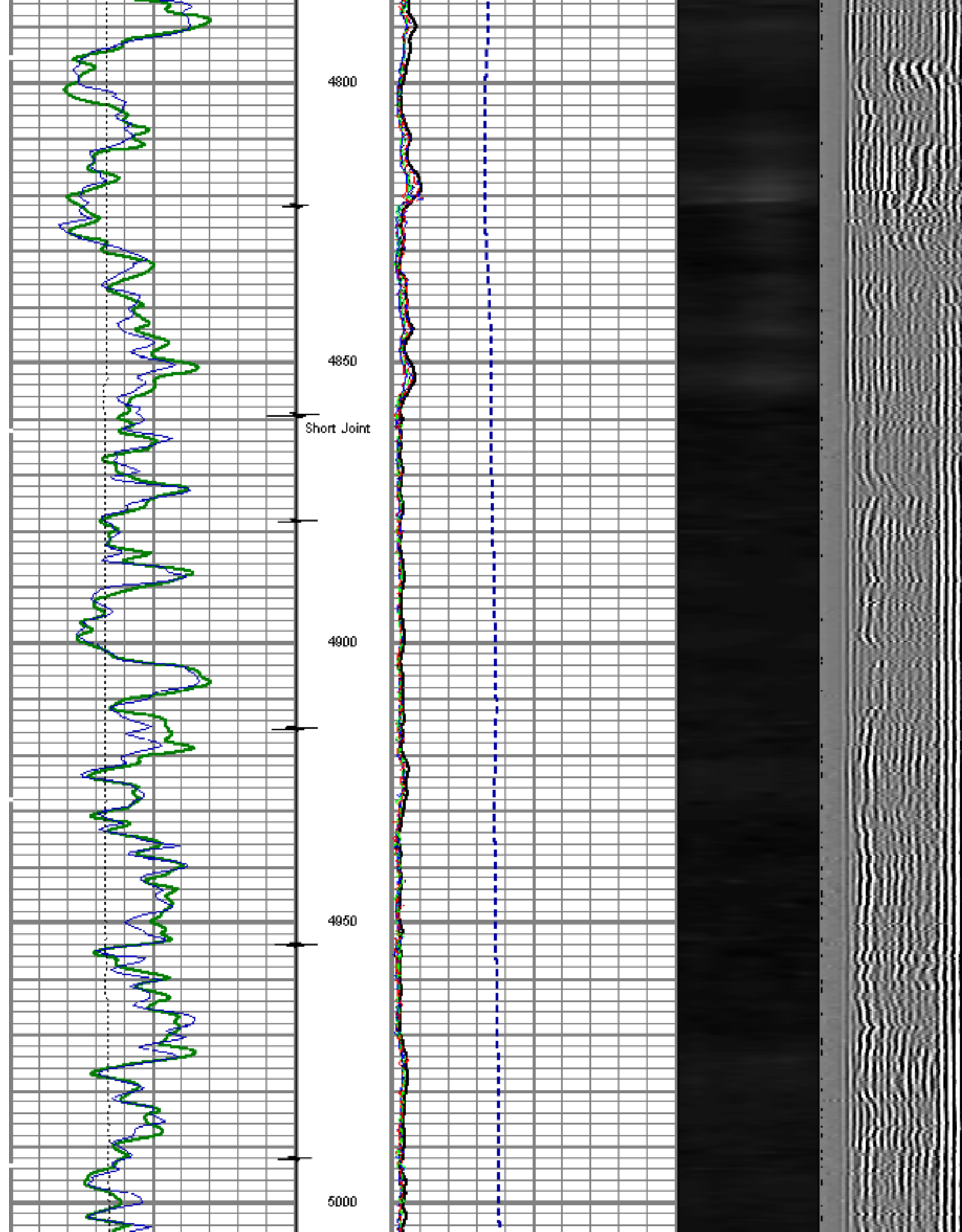


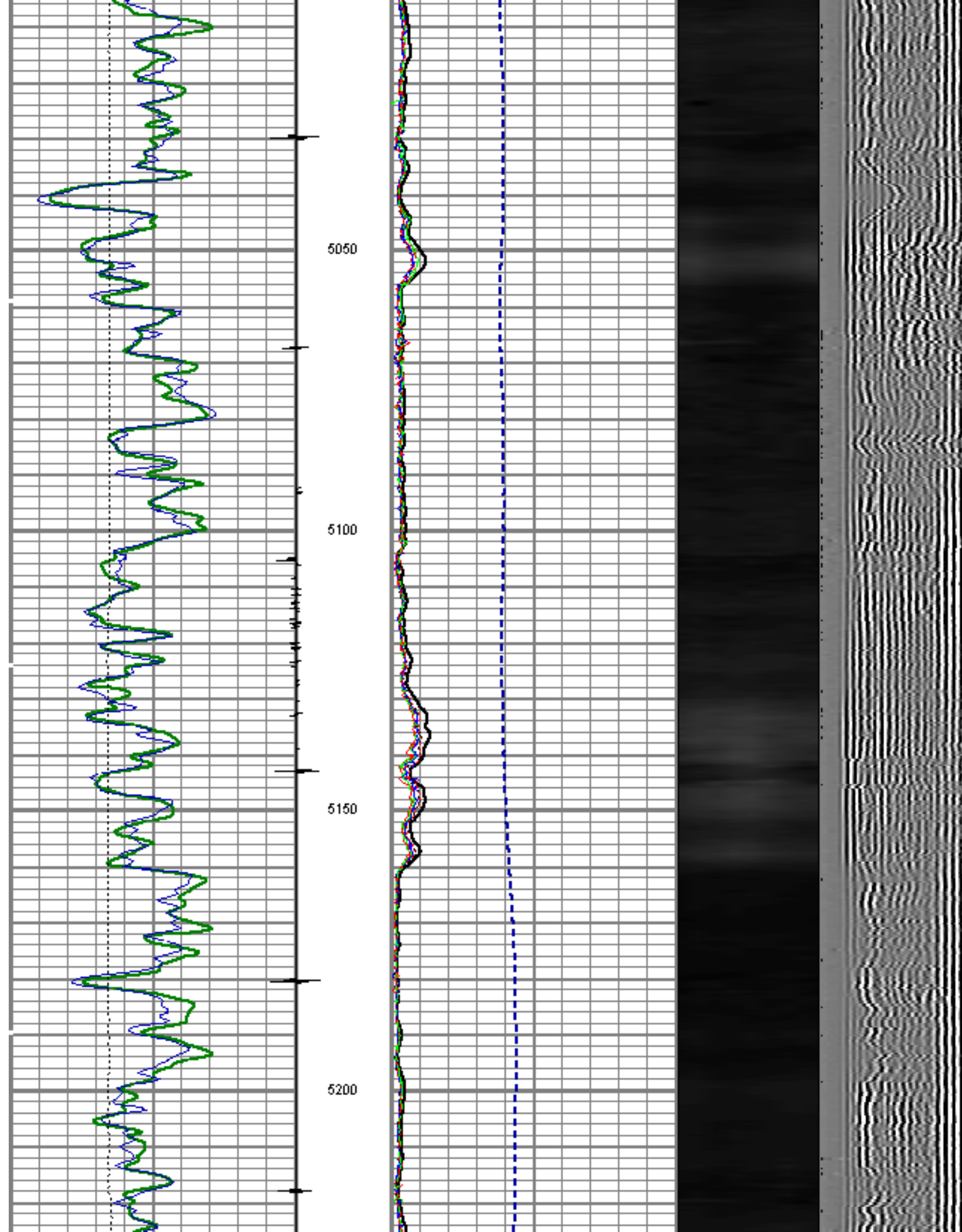


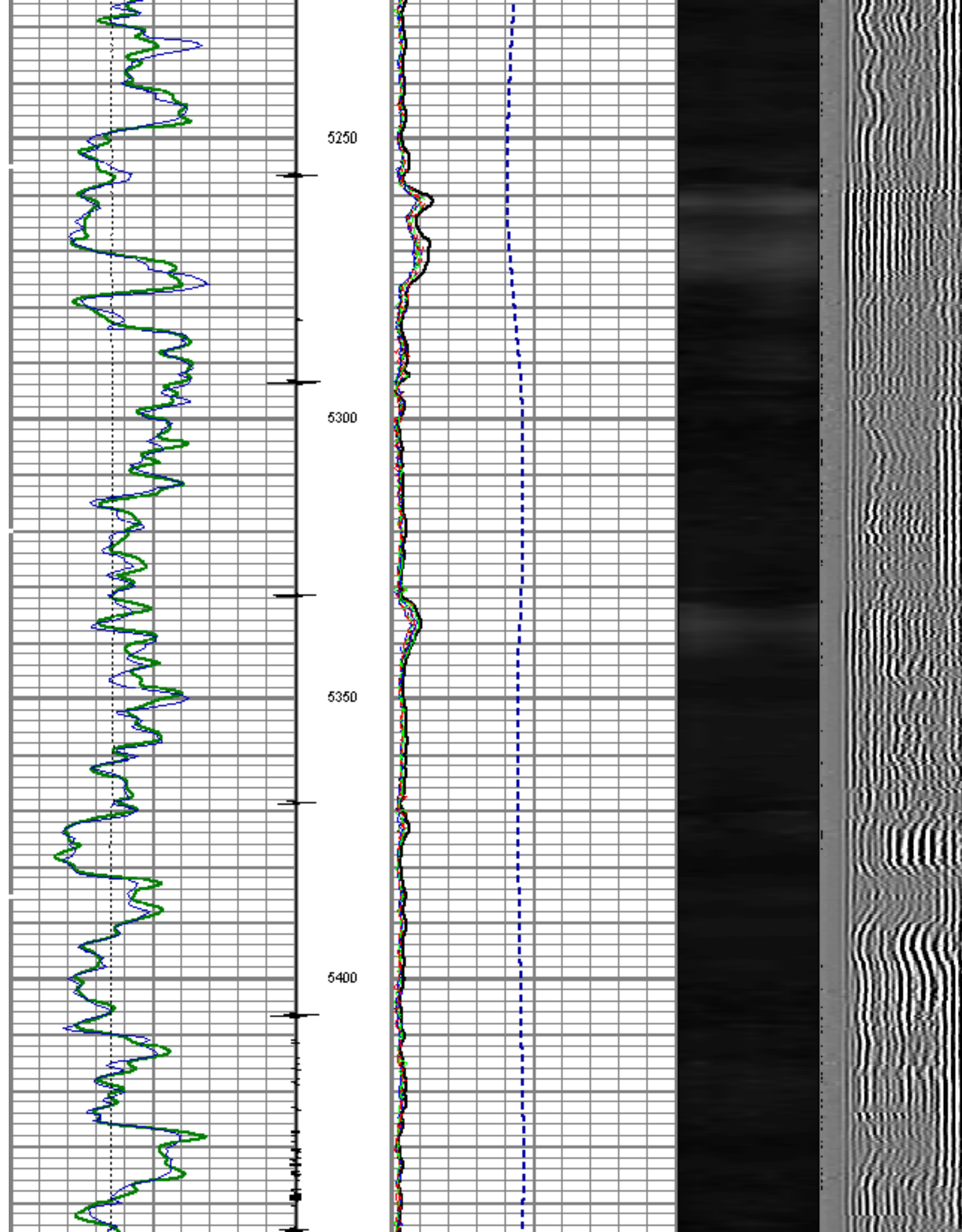


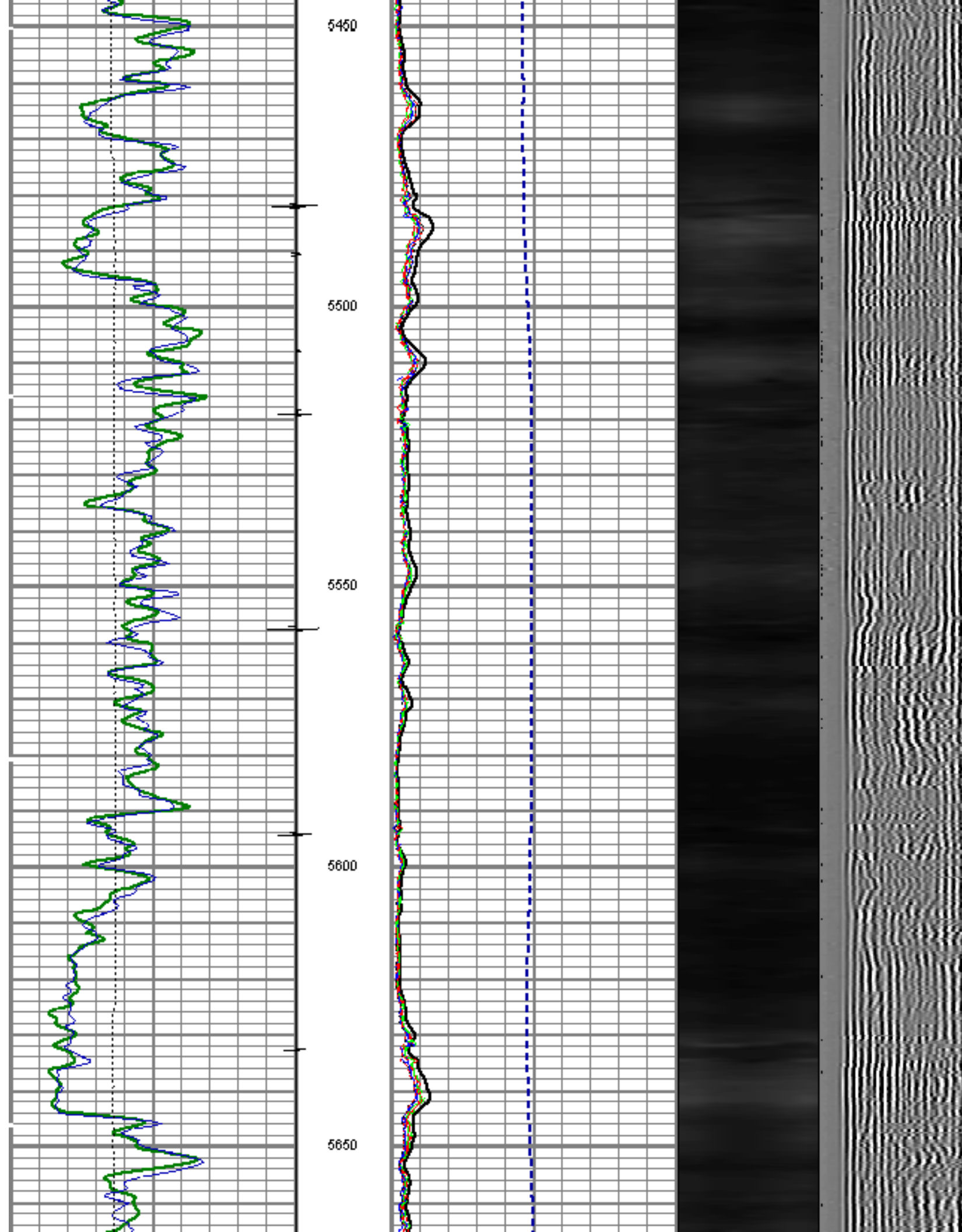




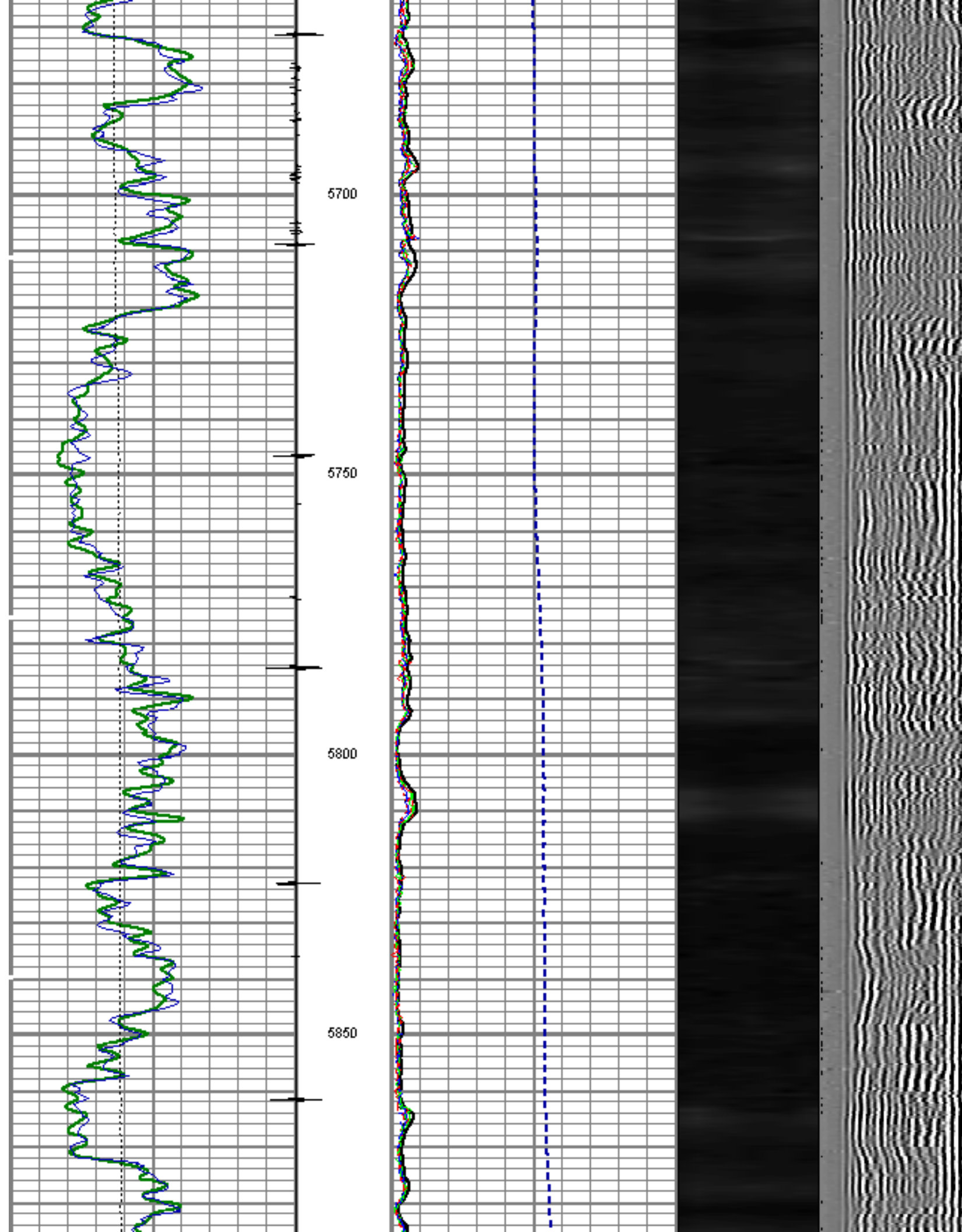




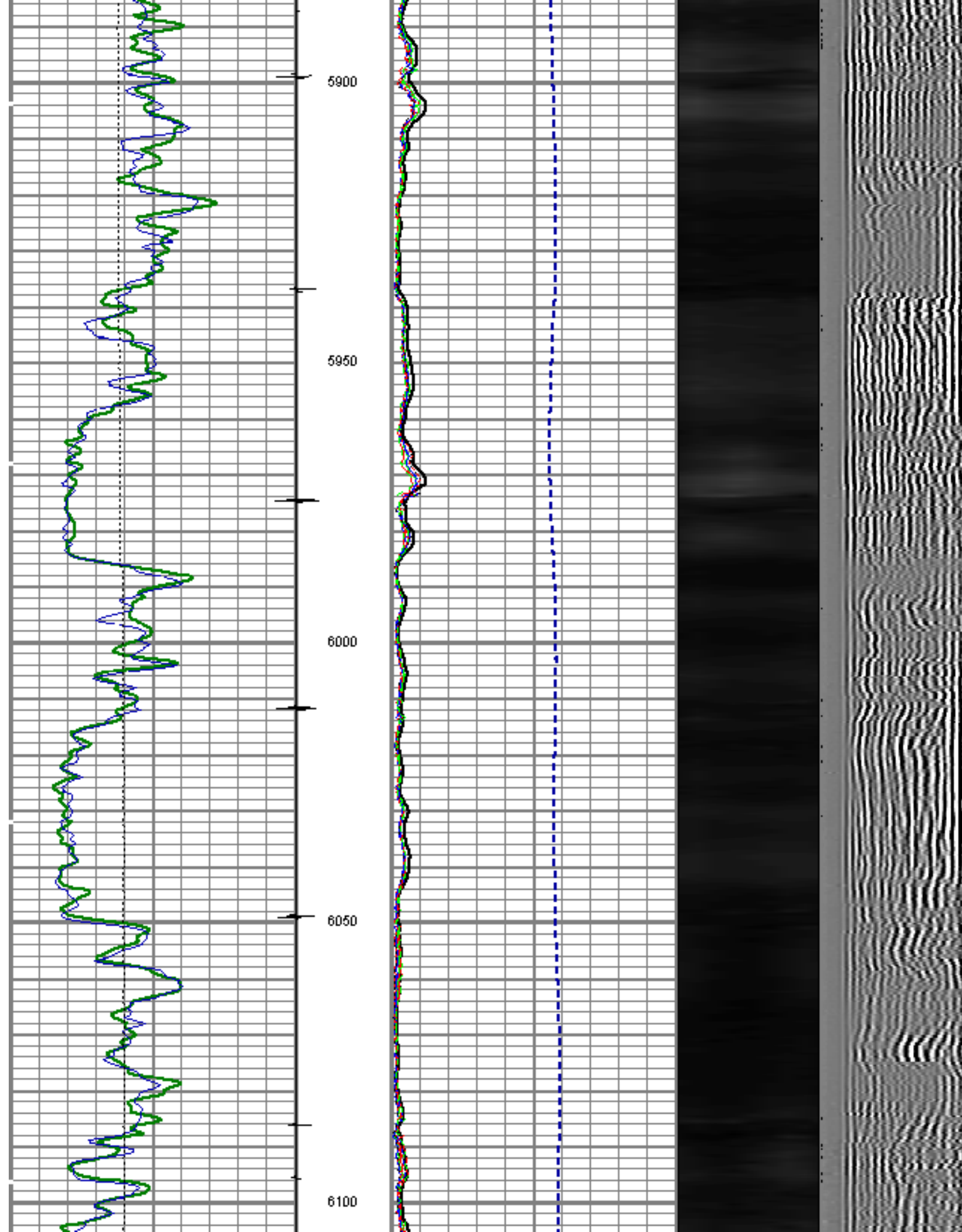


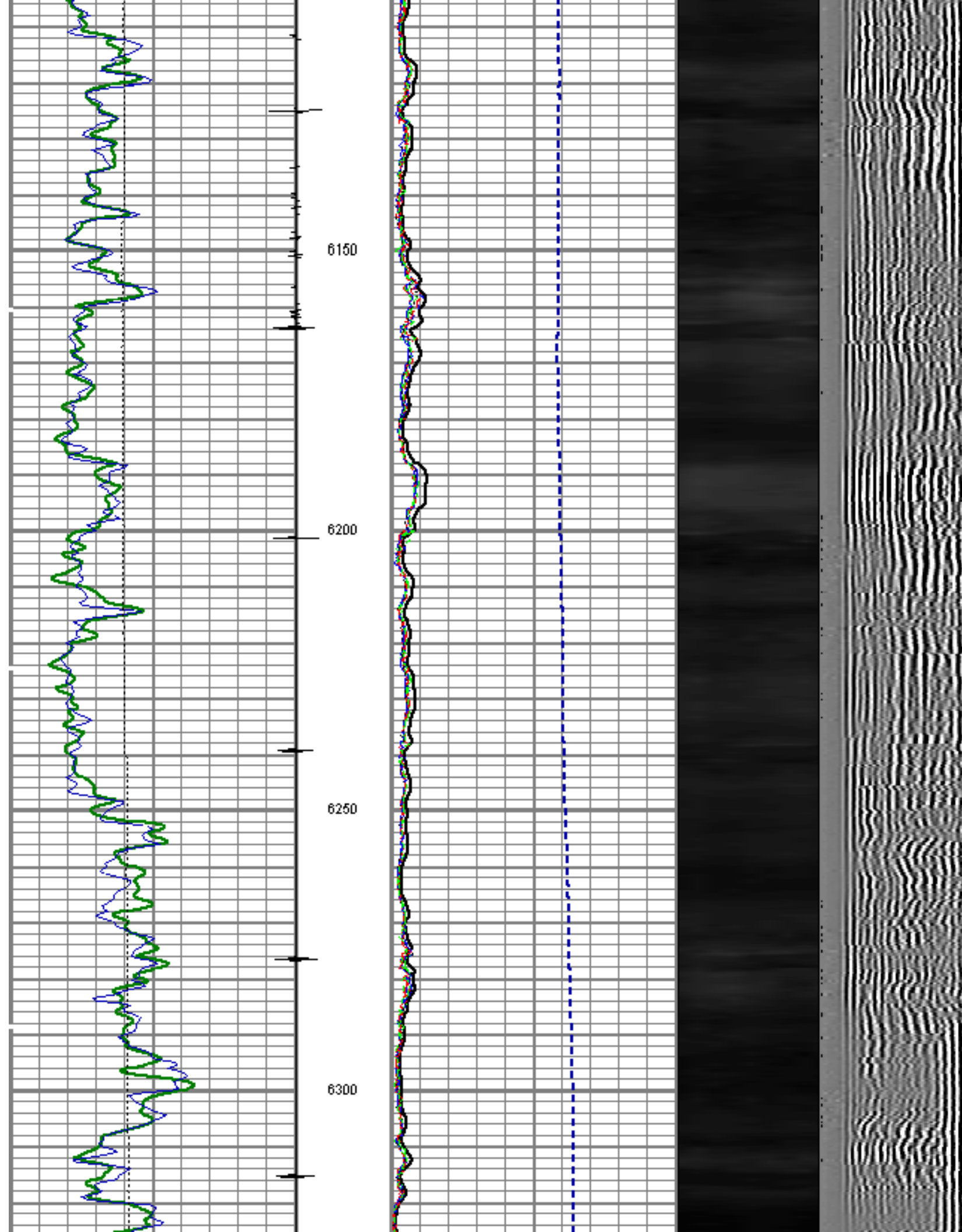


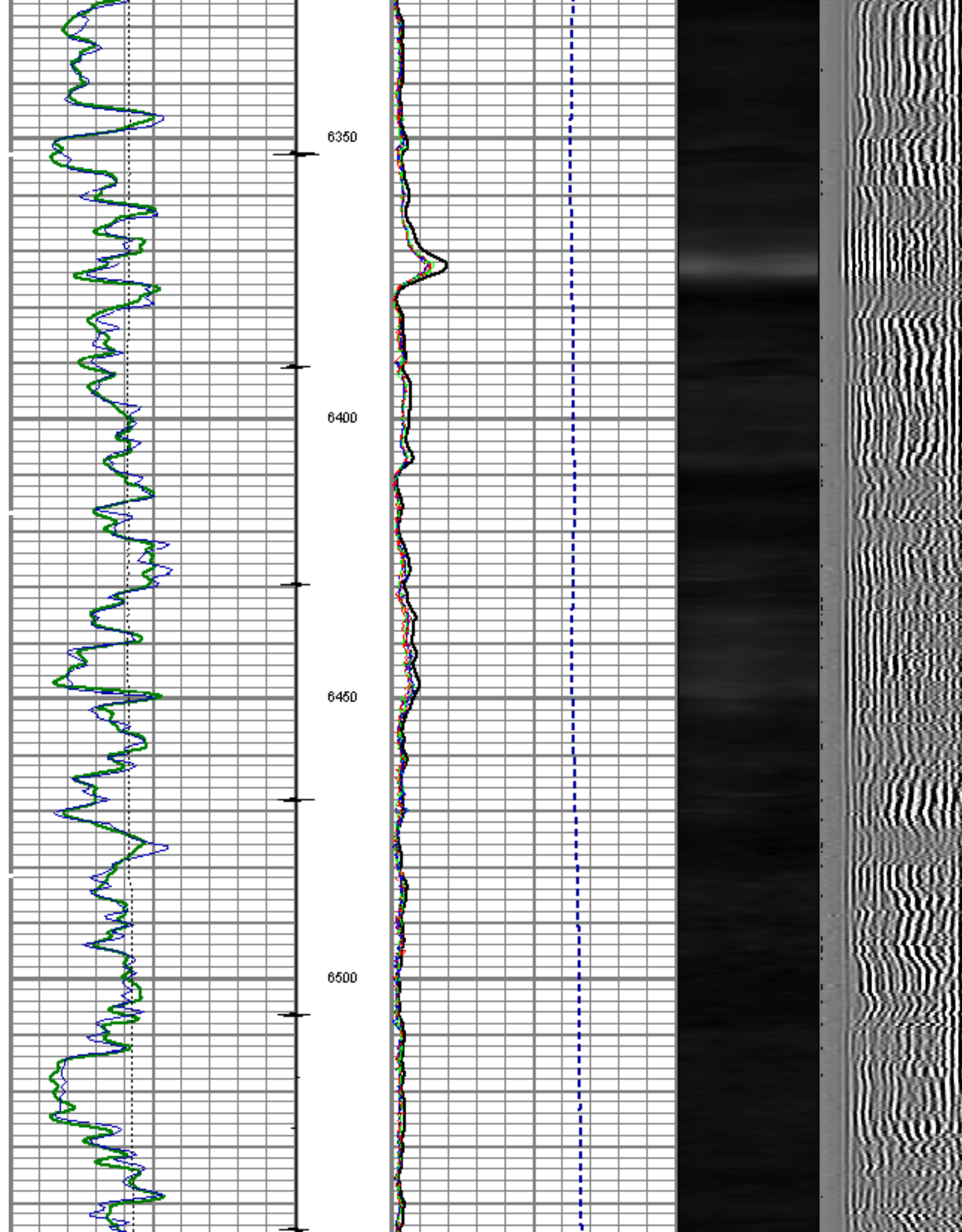


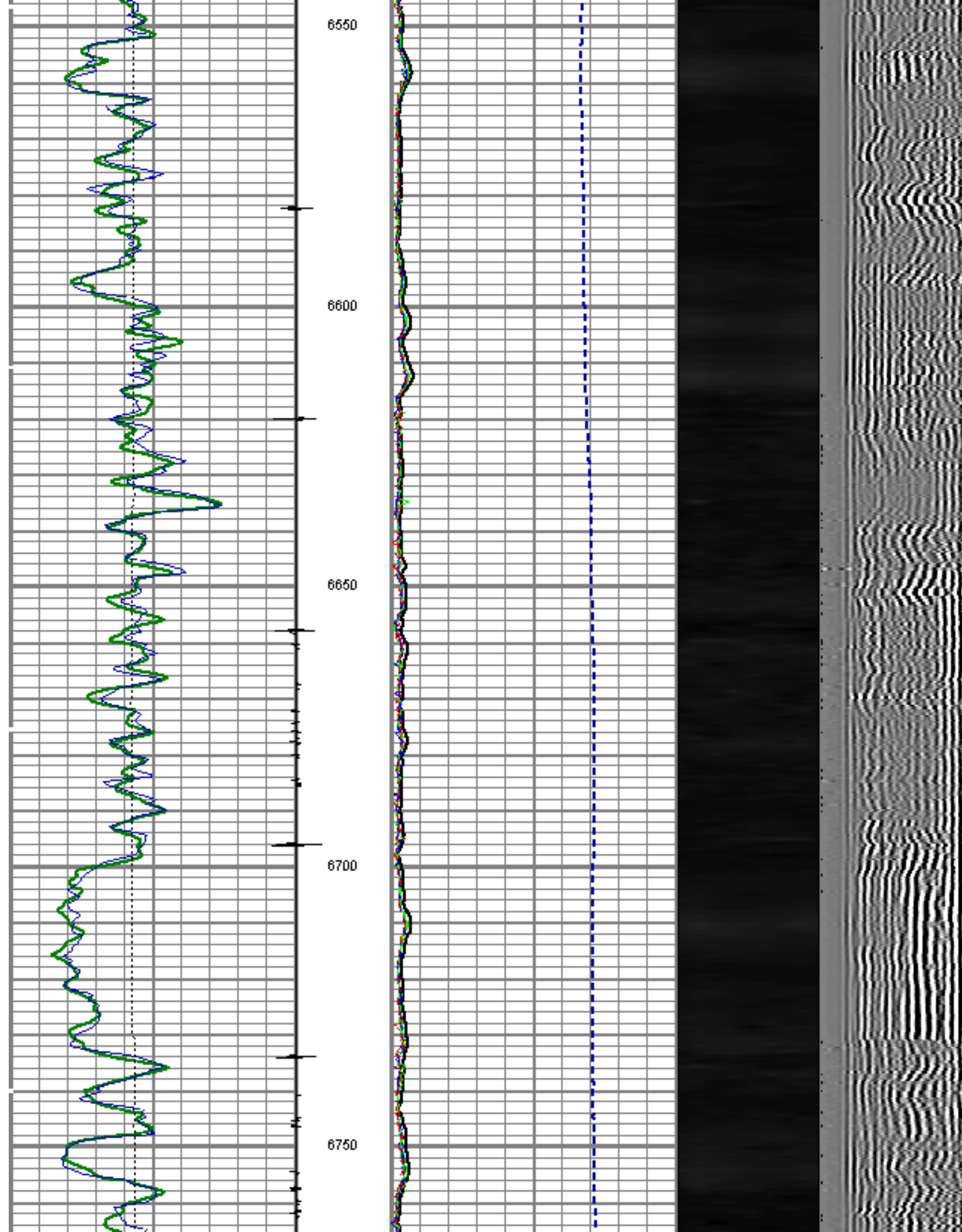




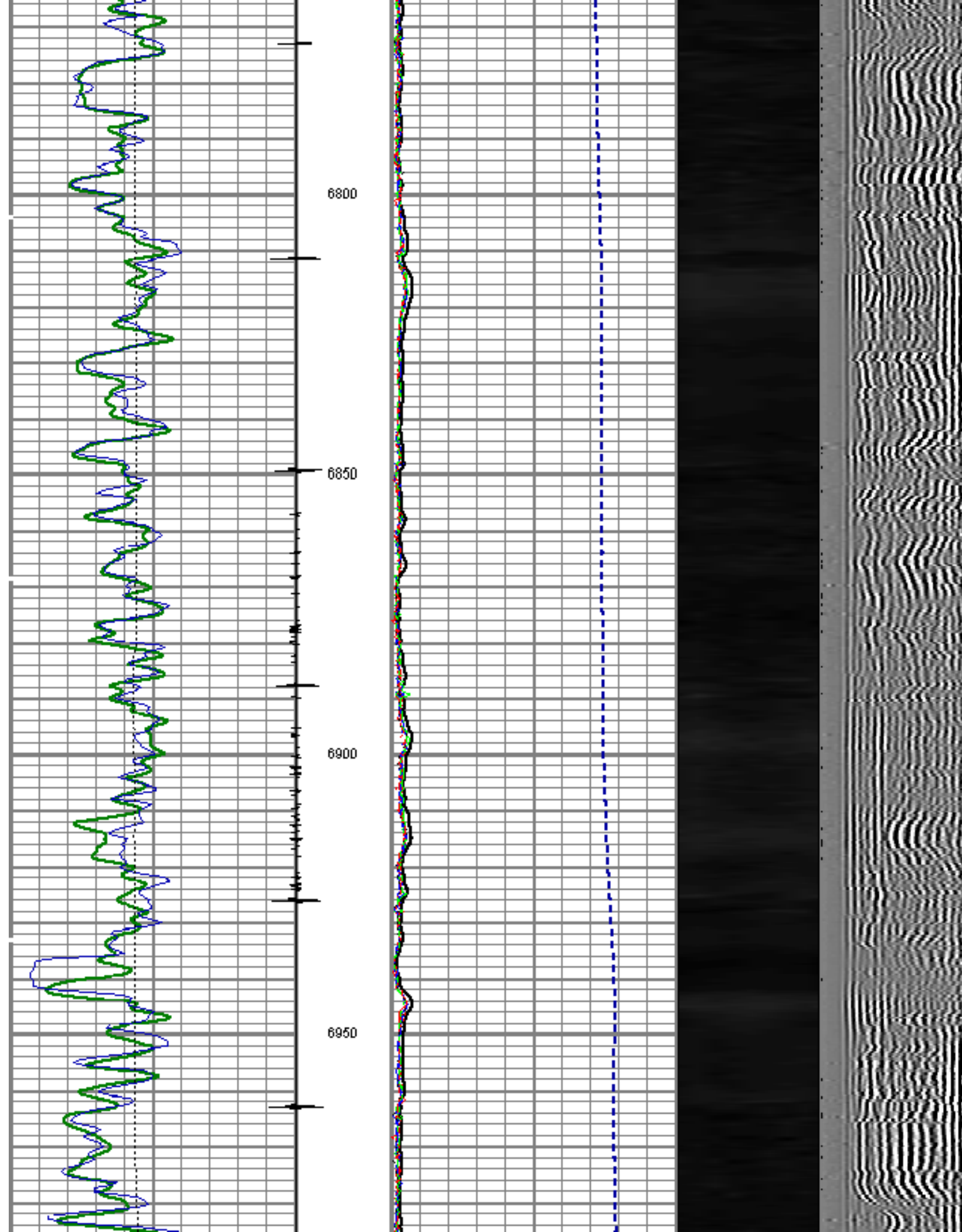


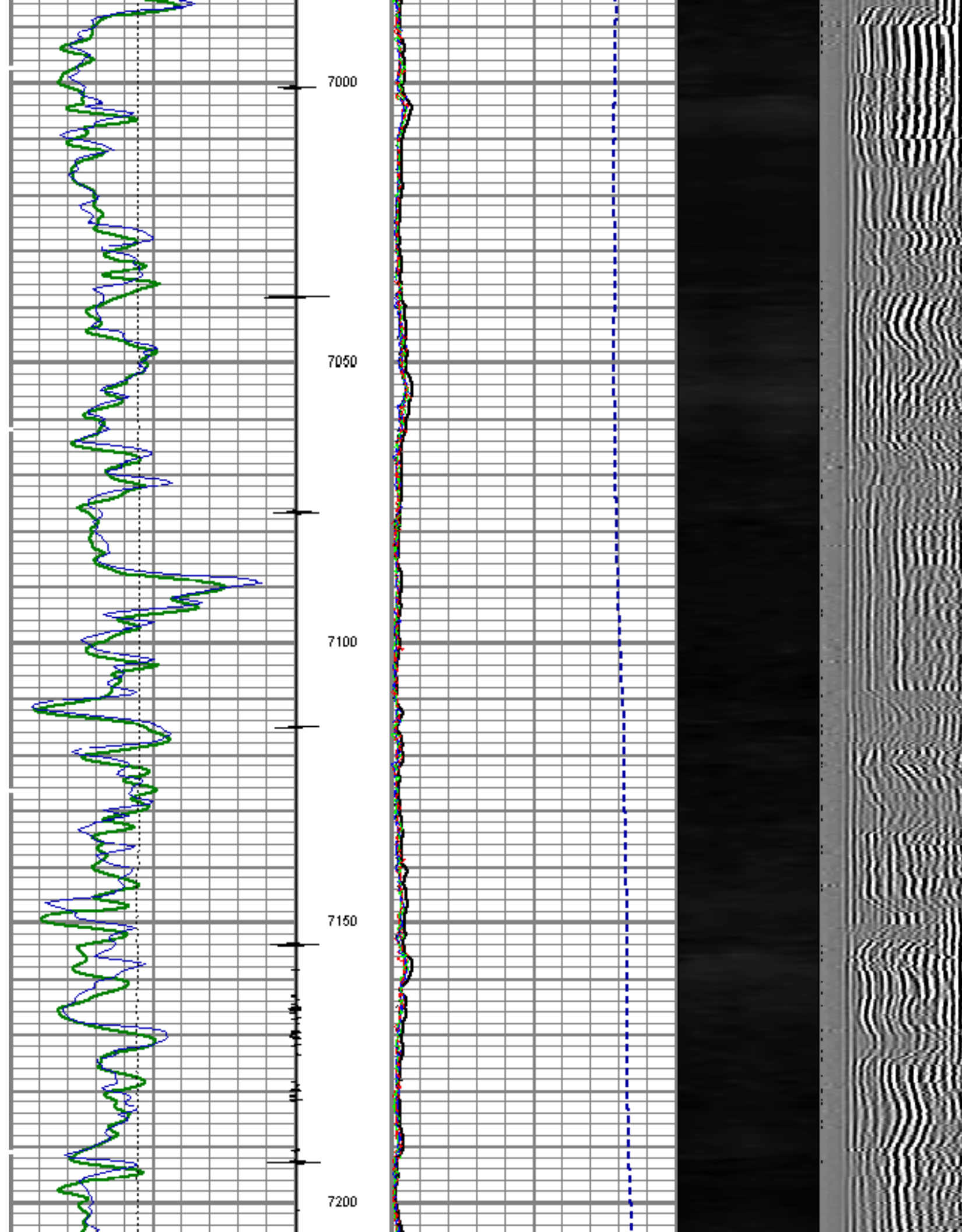


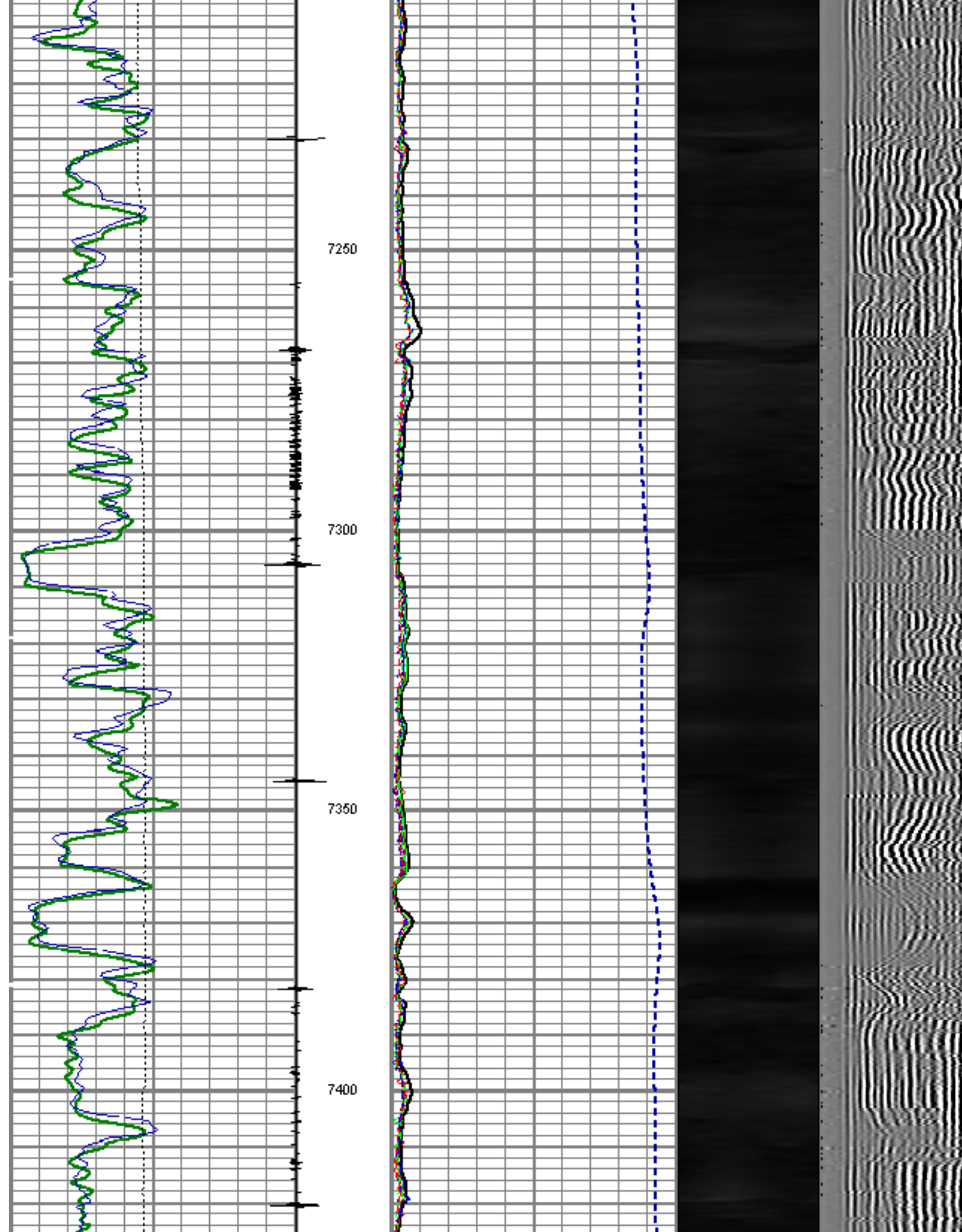


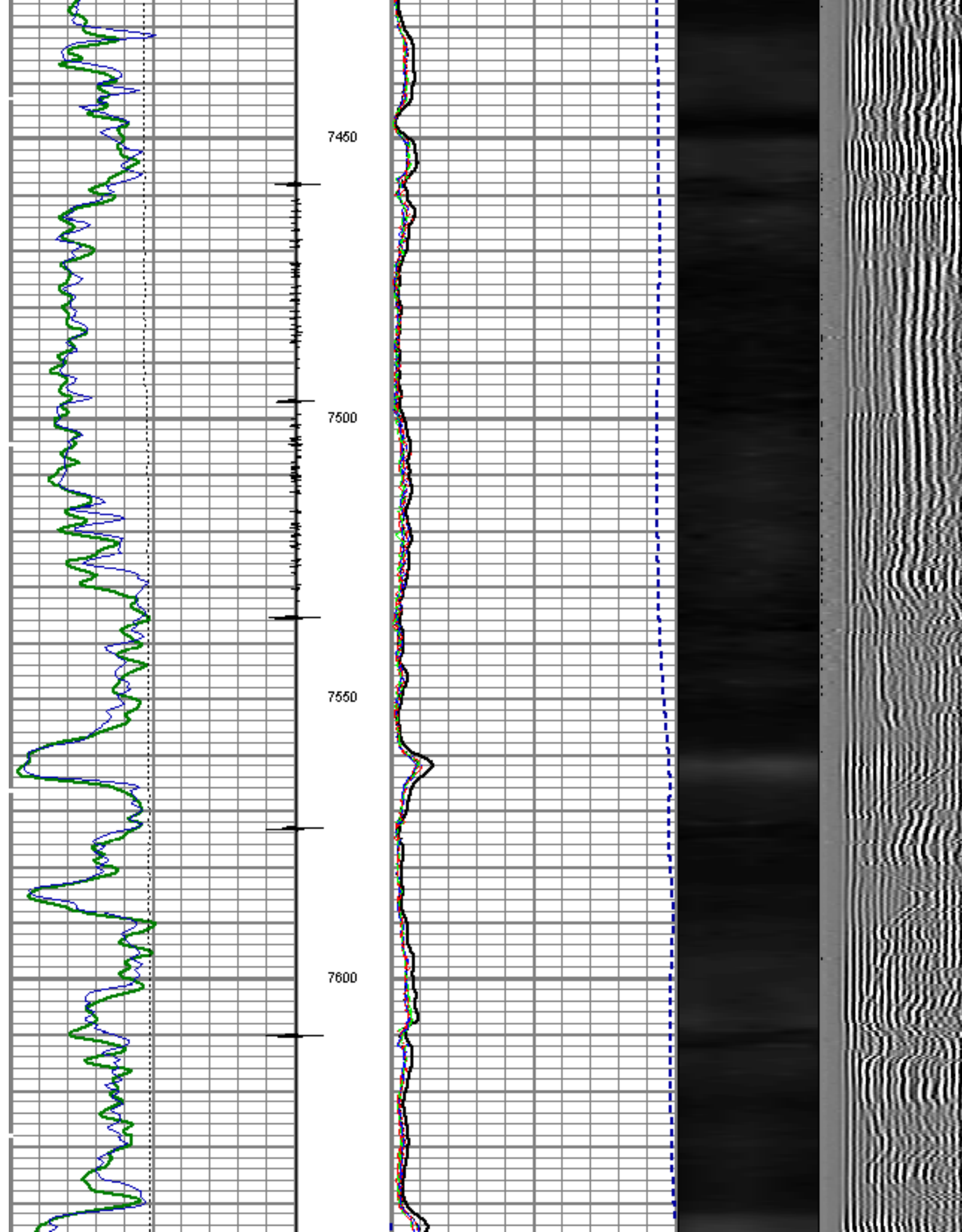




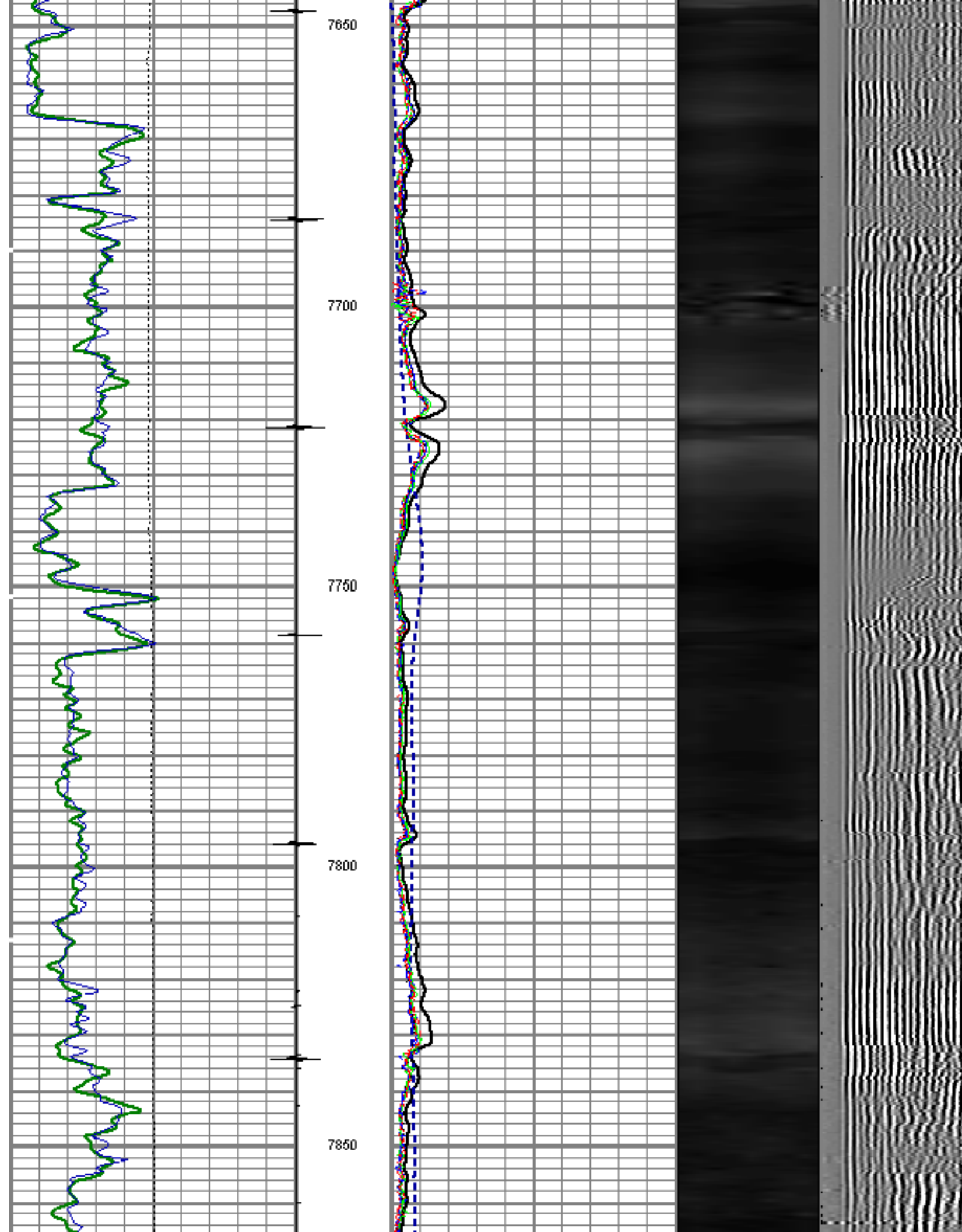


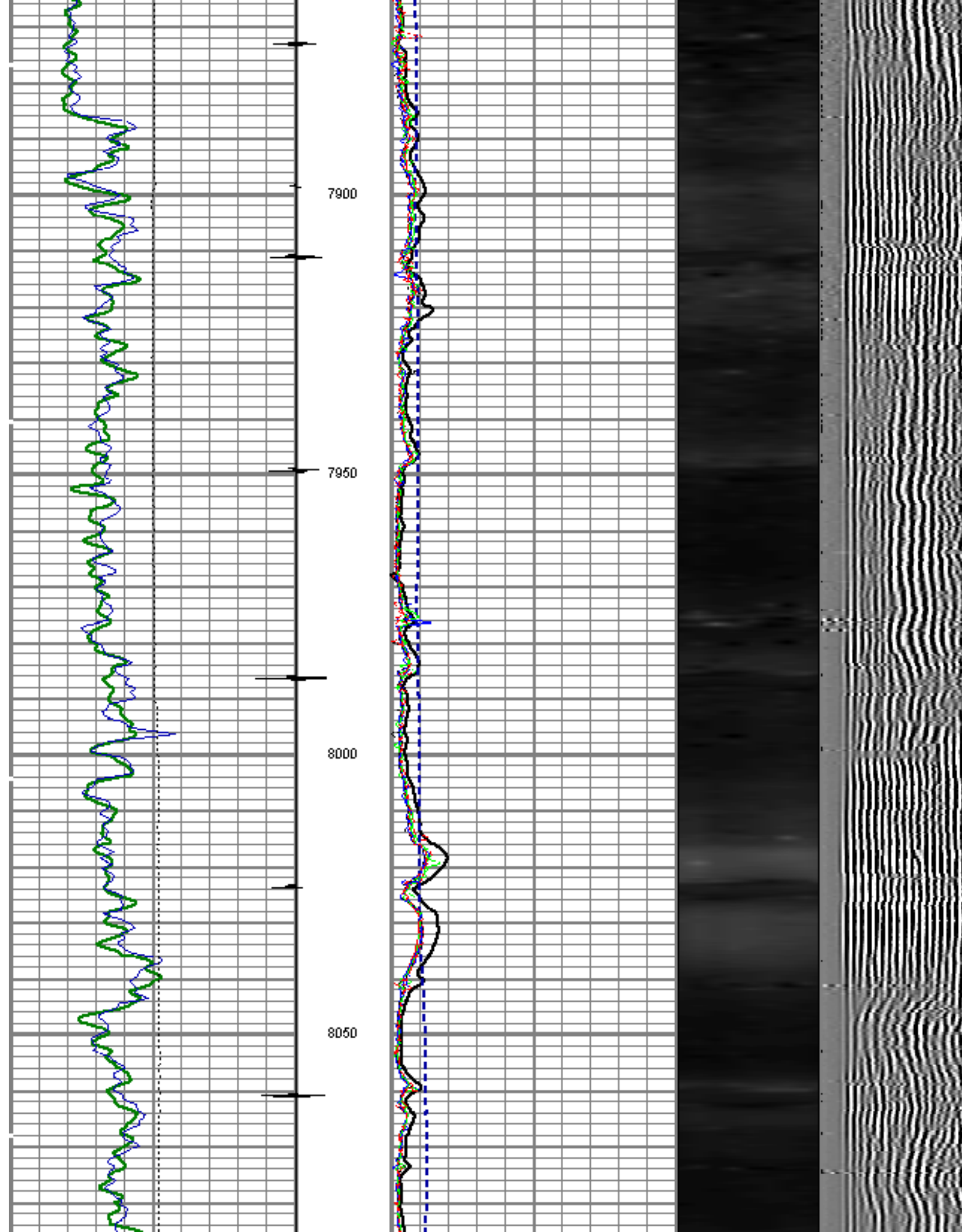


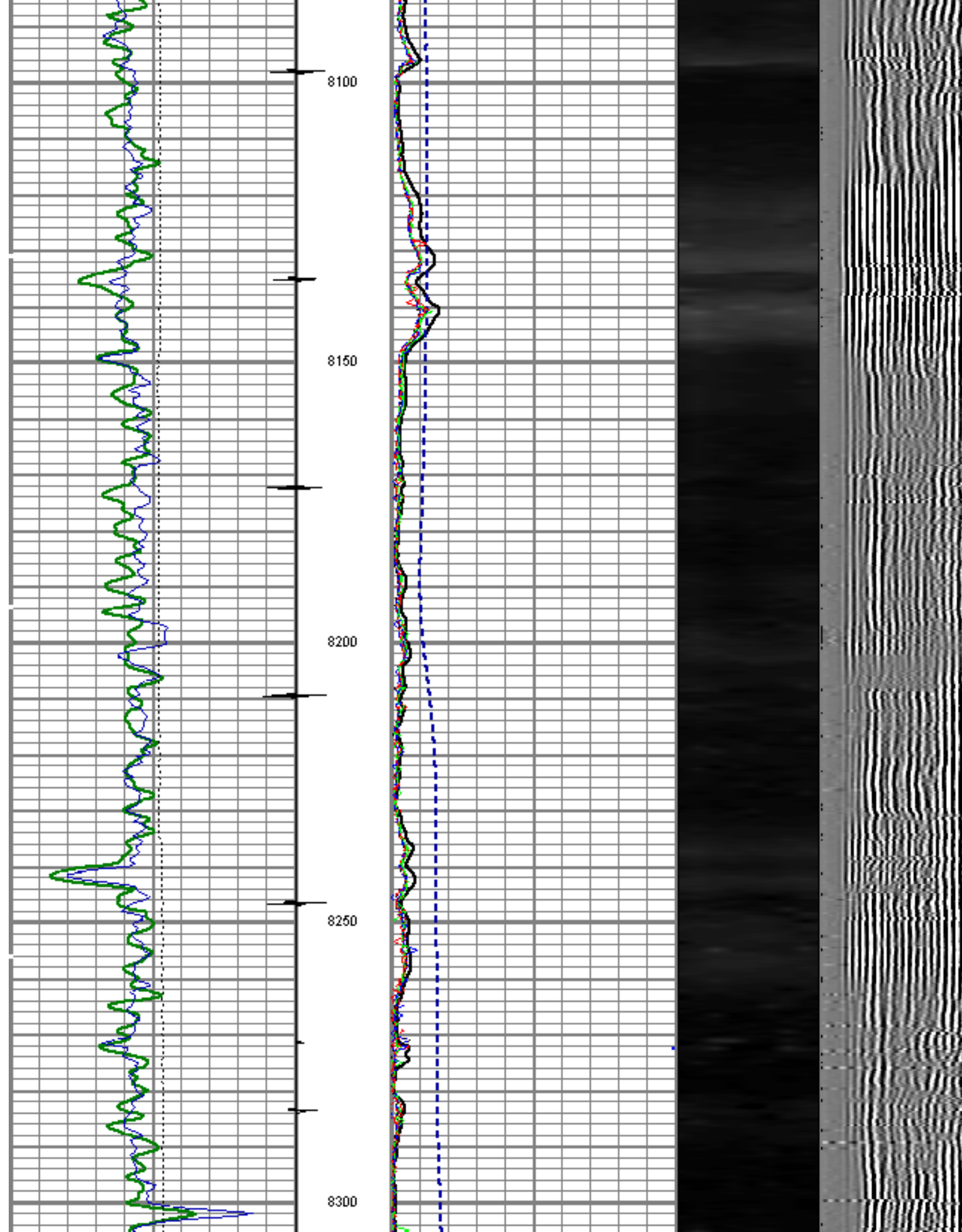


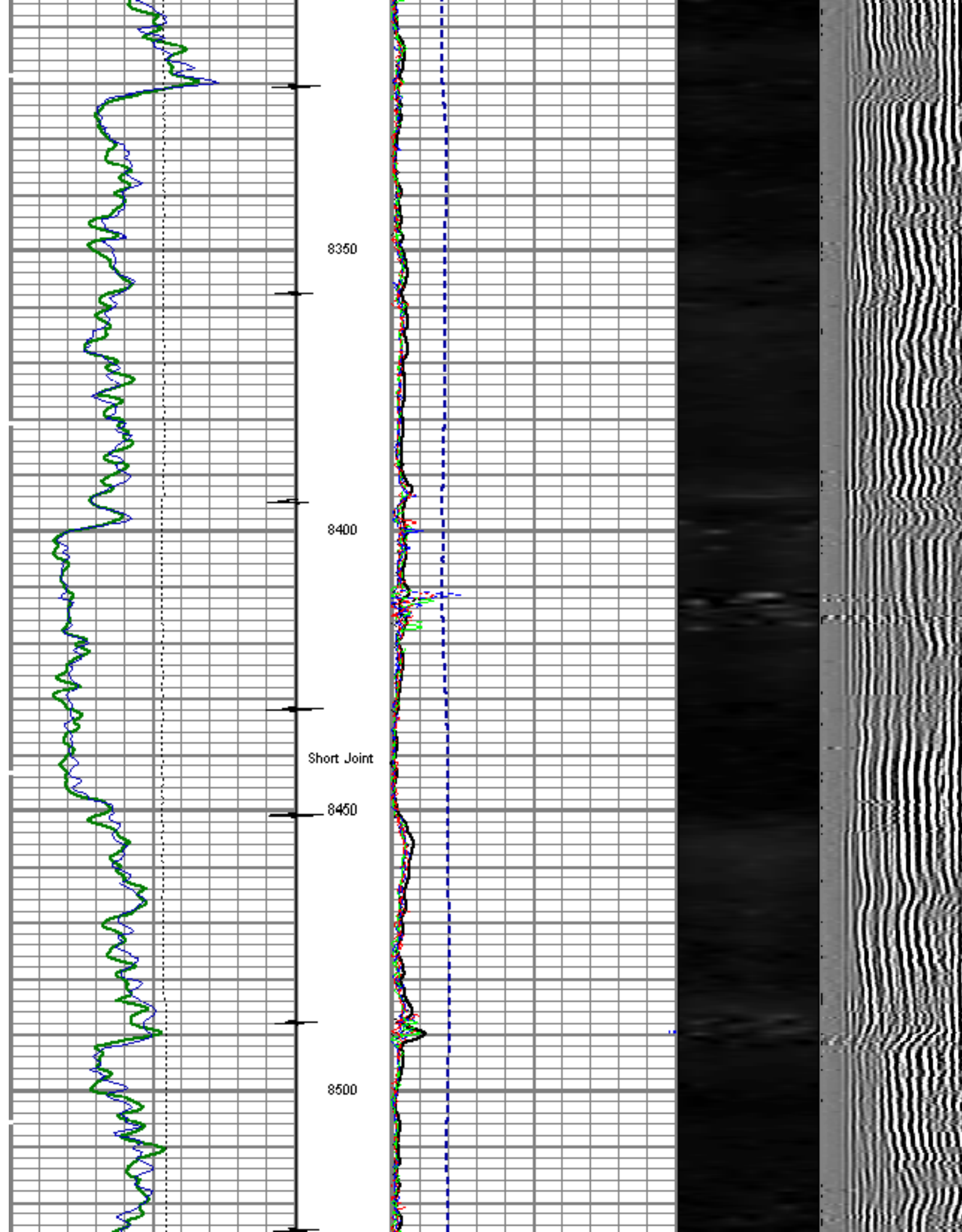




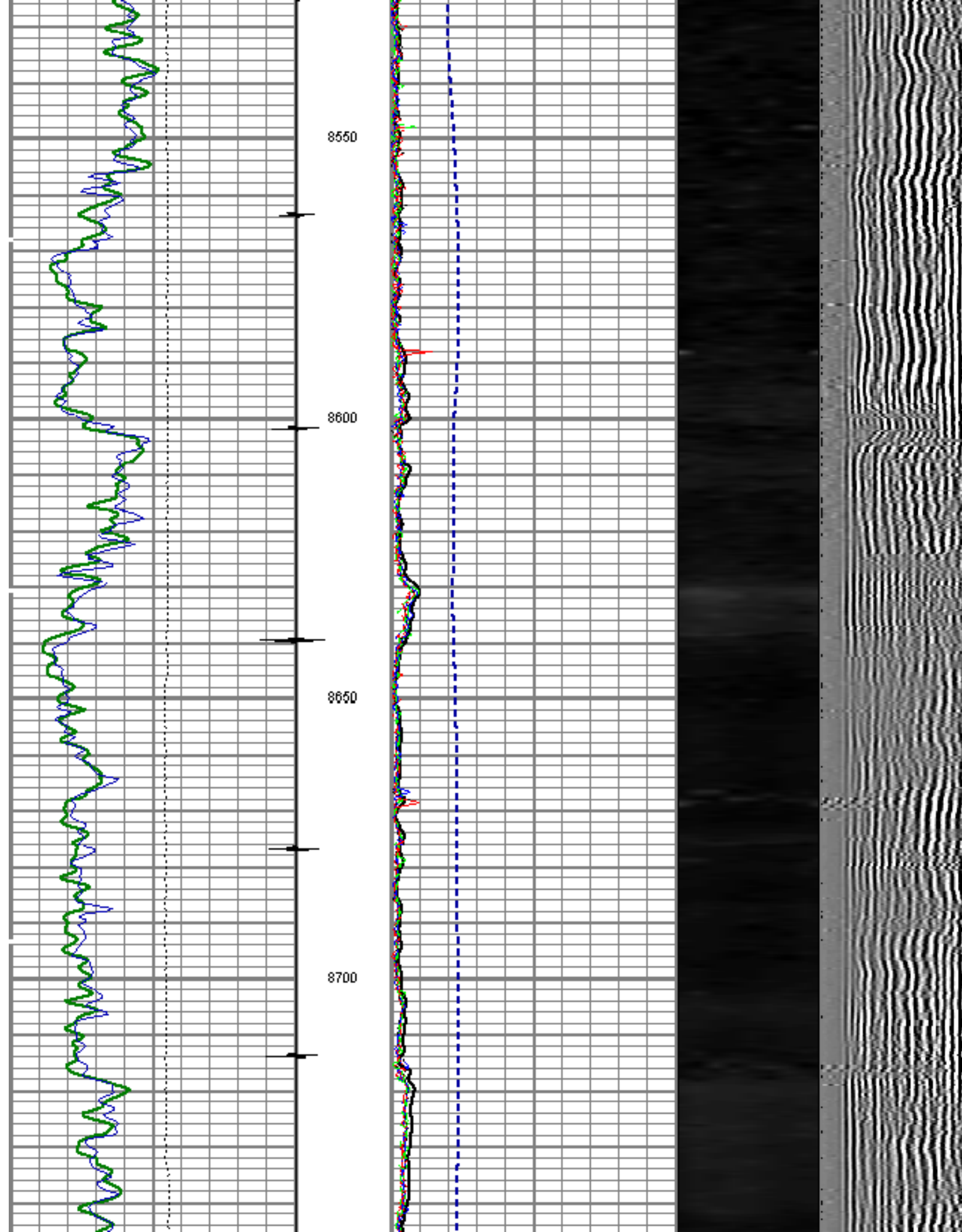


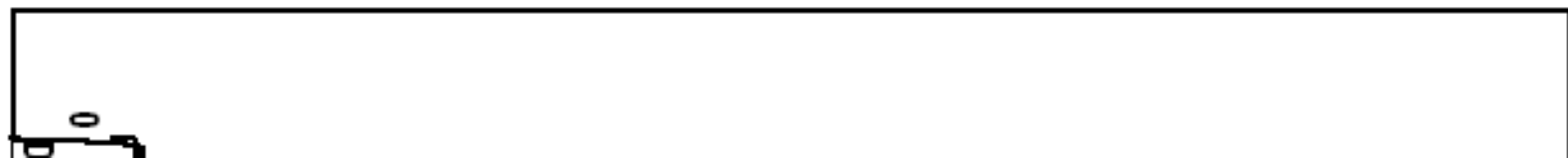
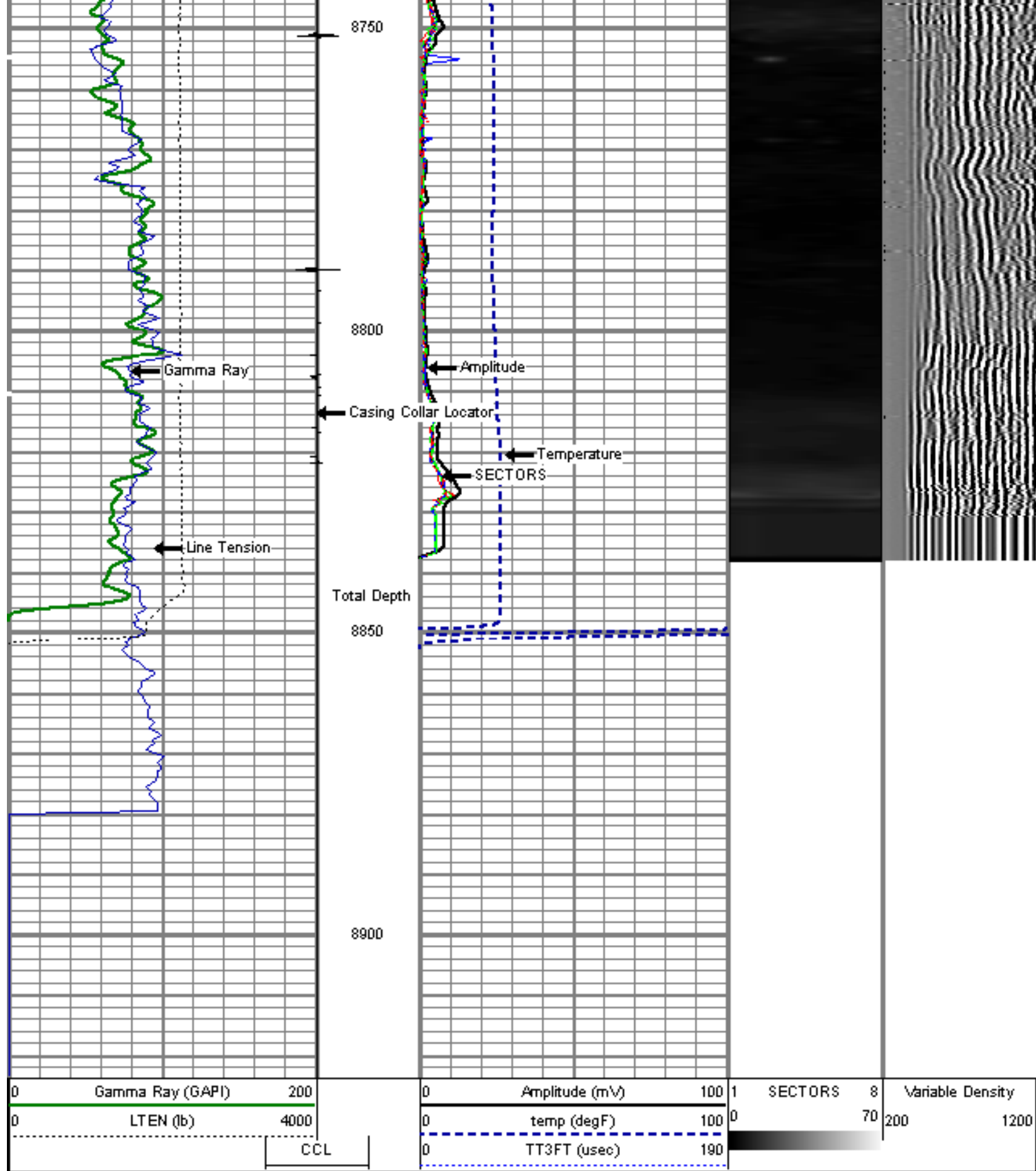


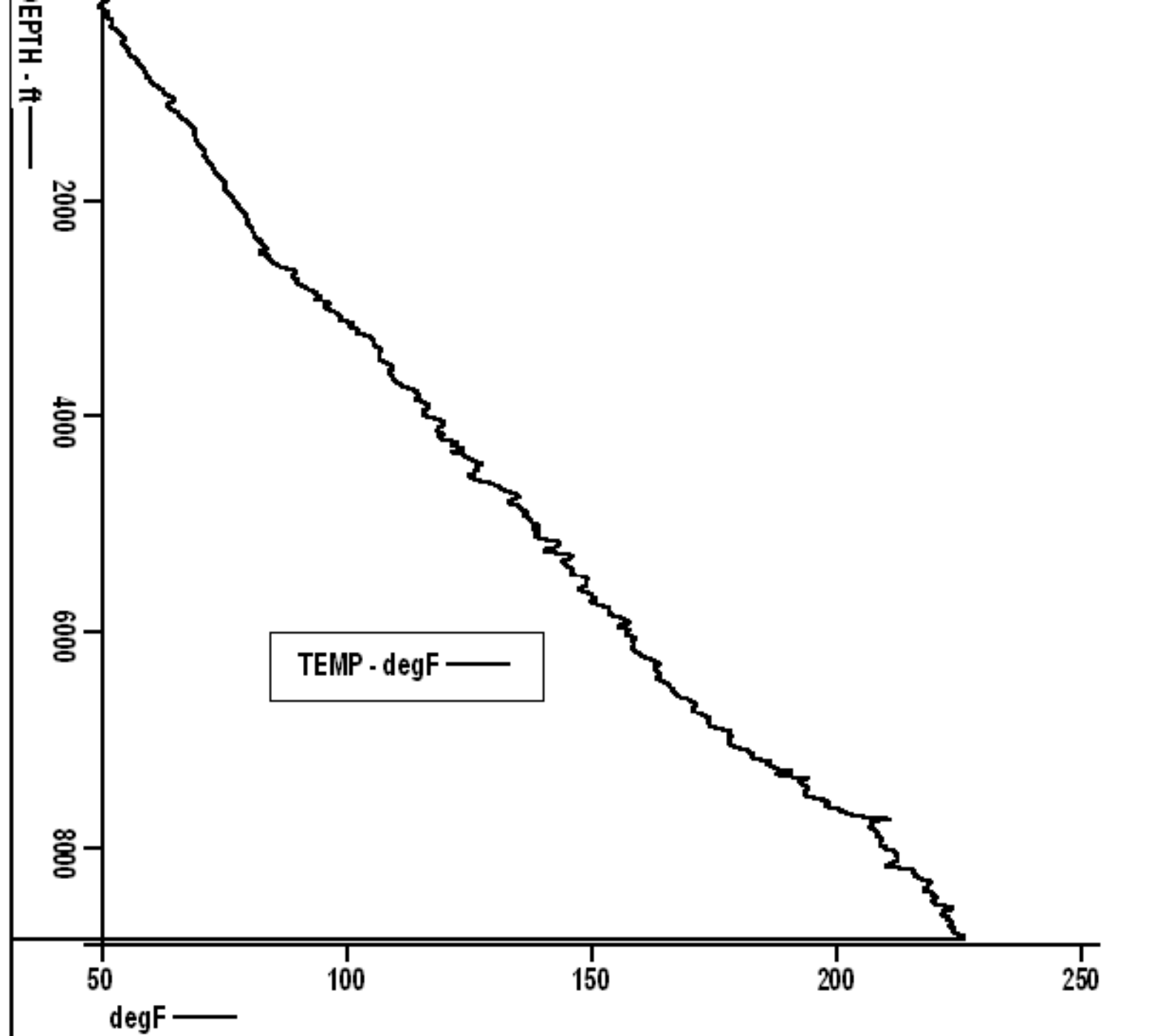












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