

## CEMENT BOND LOG

Company		ANTERO RESOURCES CORP.	
Well		NORCROSS A5	
Field		MAMM CREEK	
County		GARFIELD	
State		COLORADO	
Location:		SHL: NESW 1/4, 1365' FSL & 1394' FWL LAT: 39.522938 LON: 107.728824 SEC: 13 TWP: 6S RGE: 93W	
Permanent Datum		GL	Elevation 5495'
Log Measured From		KB = 47' AGL	Elevation 5512'
Drilling Measured From		KB	D.F. 5511'
			G.L. 5495'
Other Services		NONE	
API #:		05-045-15177-00	
Company		ANTERO RESOURCES CORP.	
Well		NORCROSS A5	
Field		MAMM CREEK	
County		GARFIELD	
State		COLORADO	
Date	5 MARCH 2008		
Run Number	1		
Depth Driller	8886'		
Depth Logger	8889'		
Bottom Logged Interval	SURFACE		
Top Log Interval	7.875'		
Open Hole Size	WATER		
Type Fluid	~8.3 Lbm/Gal		
Density / Viscosity	215.7 DegF		
Max. Recorded Temp.	5350'		
Estimated Cement Top	12.30'		
Time Well Ready	12.30'		
Time Logger on Bottom	12.30'		
Equipment Number	FL0602W		
Location	GJ, CO		
Recorded By	S. ANDERSON		
Witnessed By	N/A		
Borehole Record		Tubing Record	
Run Number	Bit	From	To
	24"	50'	
	12.25"	50'	
	7.875"	1289'	
		8950'	
Casing Record	Size	Wgt/Ft	Top
Surface String	8.625"	24 #	SURFACE
Prot. String			
Production String	5.5"	17 #	SURFACE
Liner			8930' SHOE
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

This log is the first E-Log of this well.

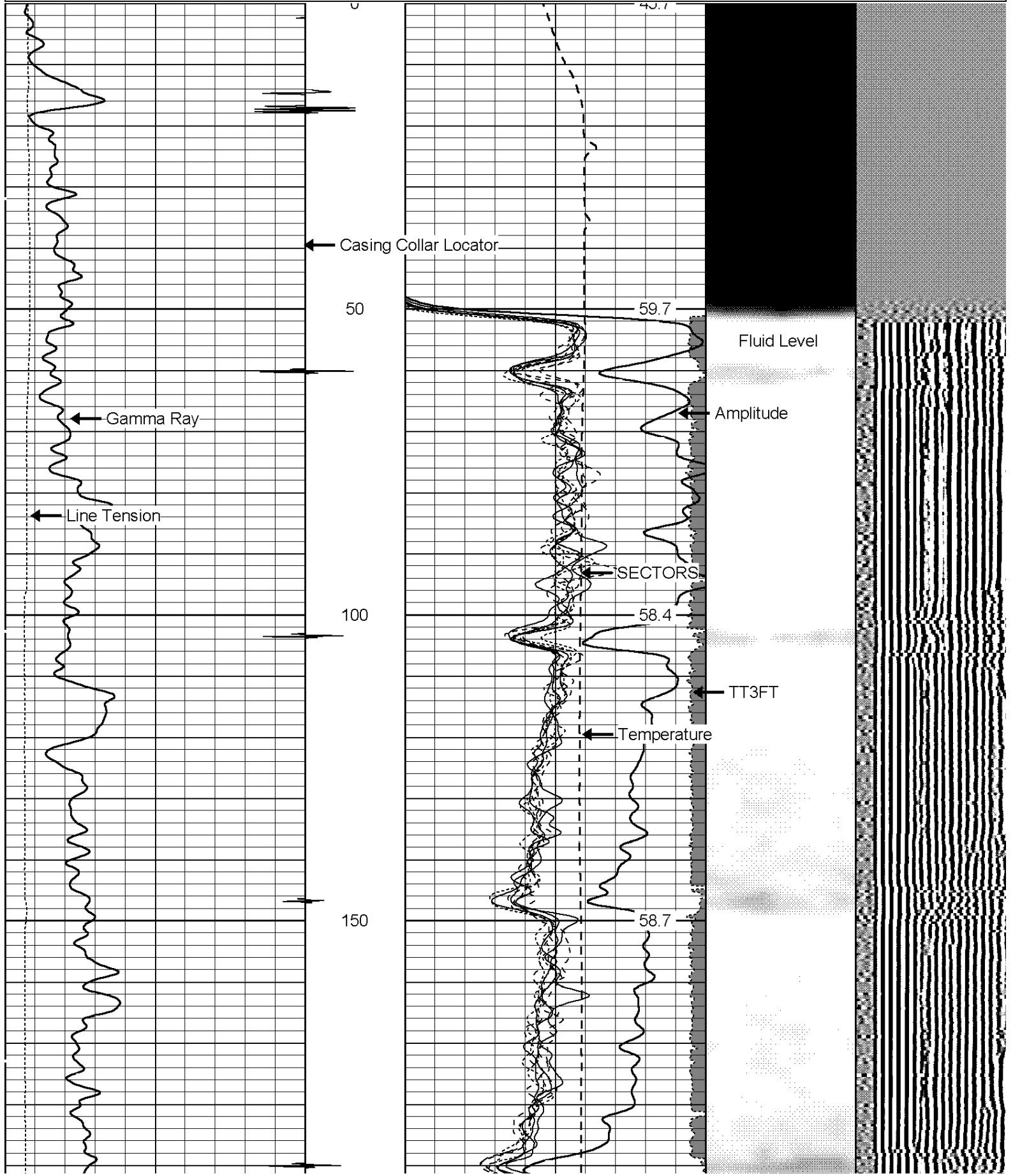
Short Joint: 5091' - 5110', 8446' - 8465'

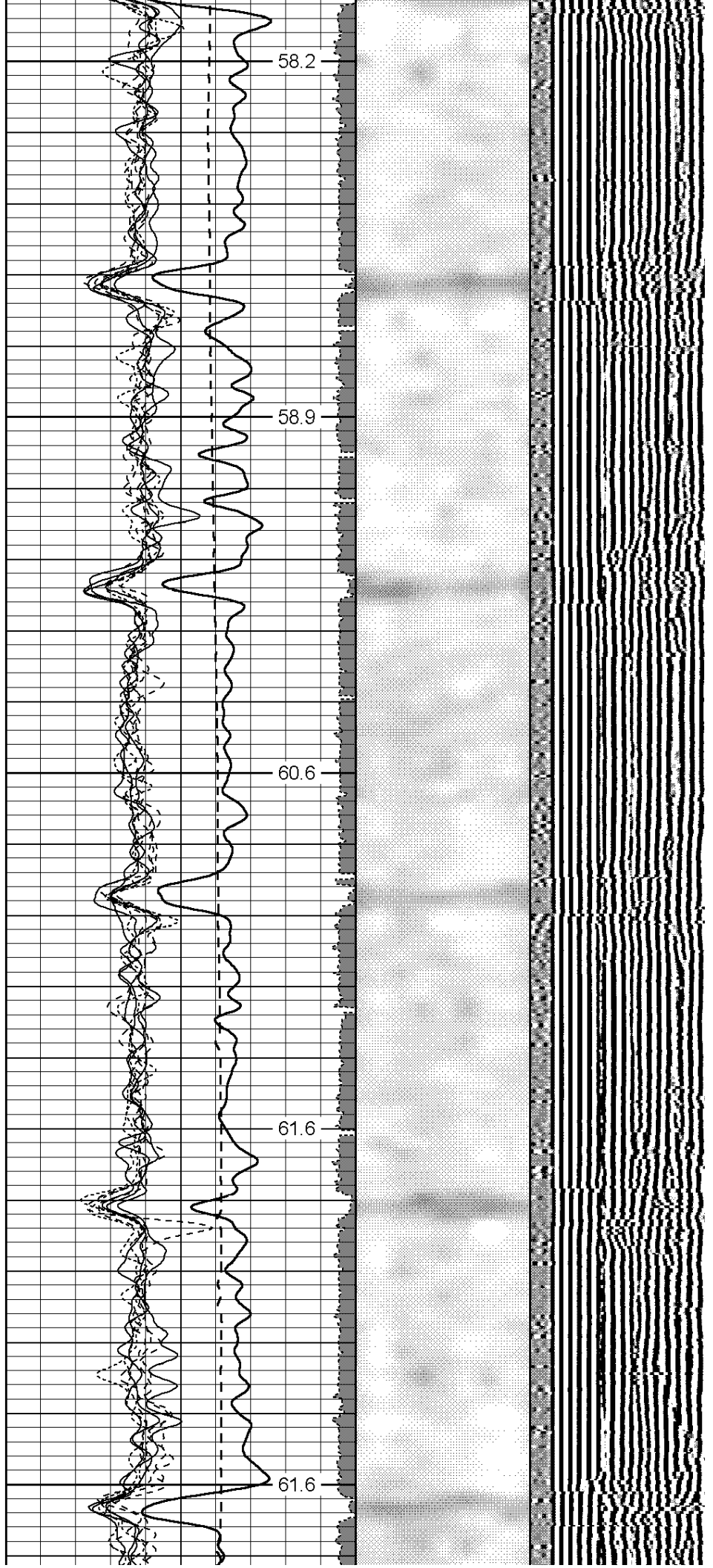
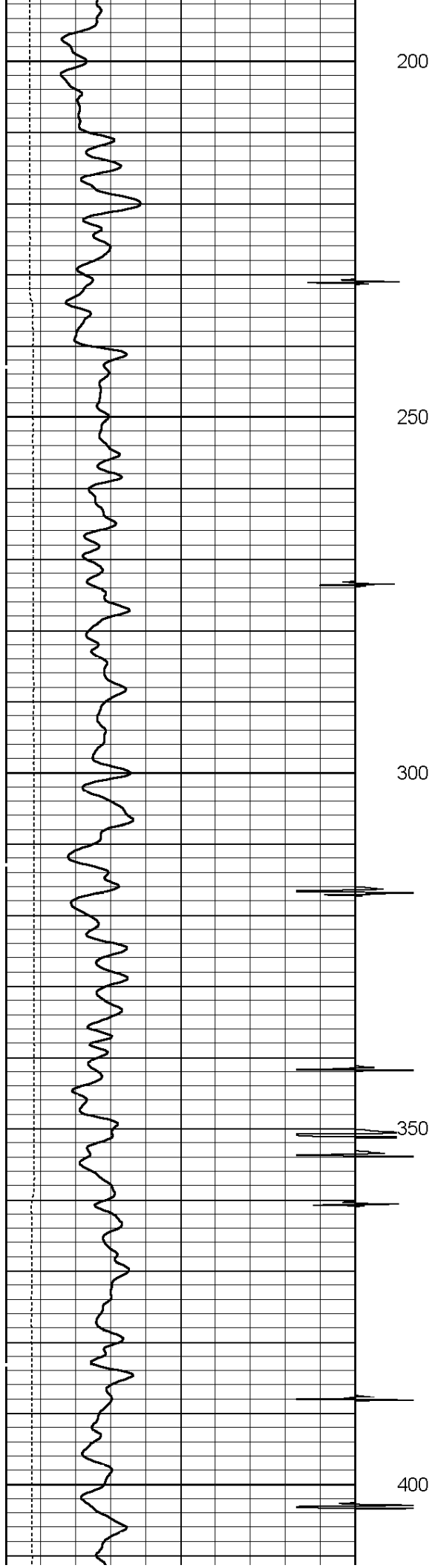
Crew: Z.Emick, J.Elswick, E.Dvorak

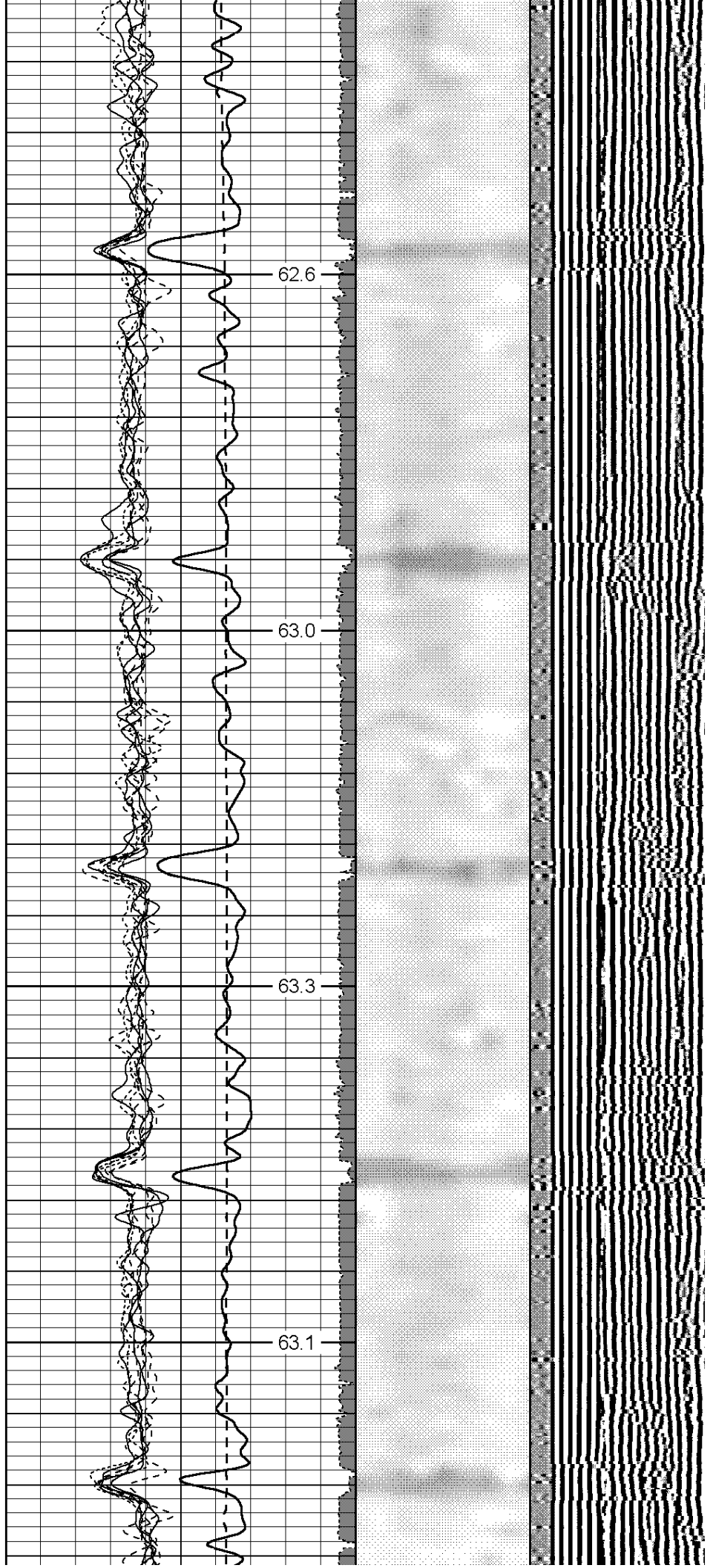
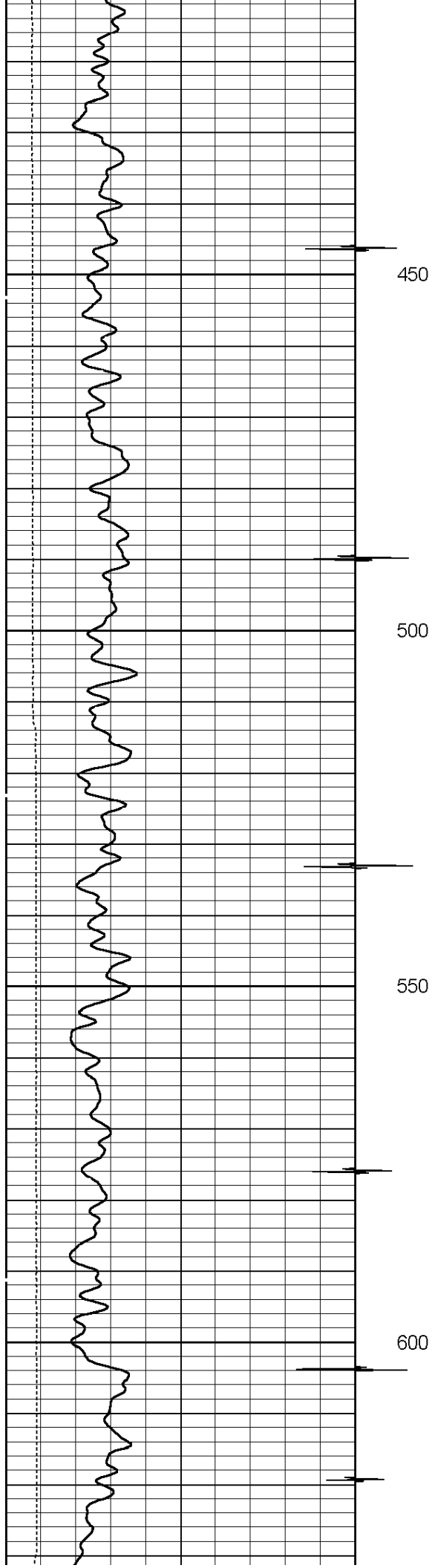
WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, GRAND JUNCTION CO. (970) 257-0458

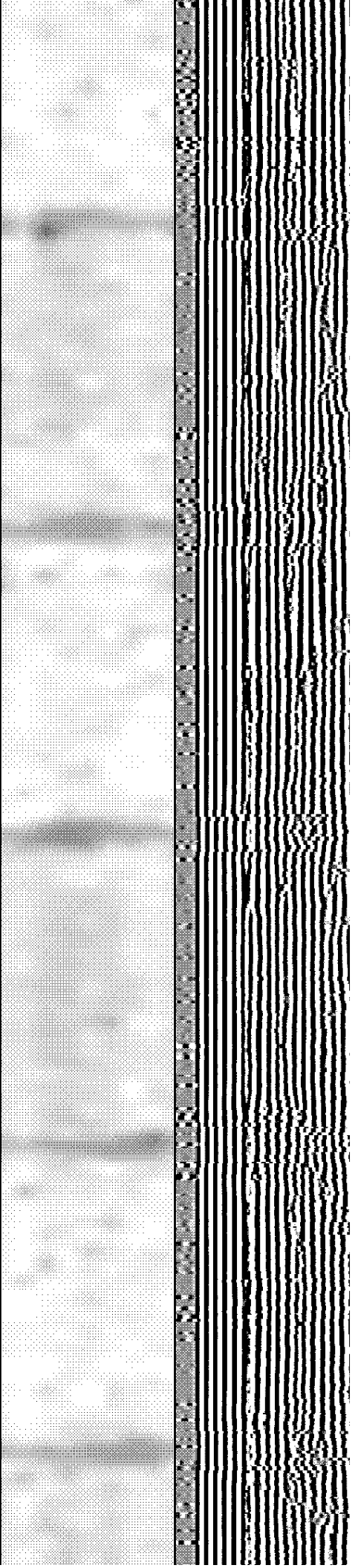
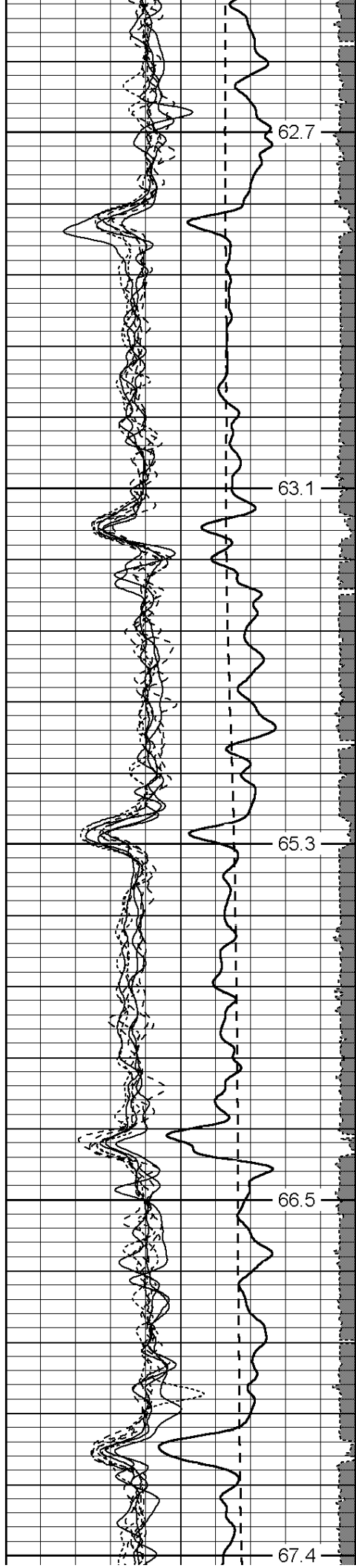
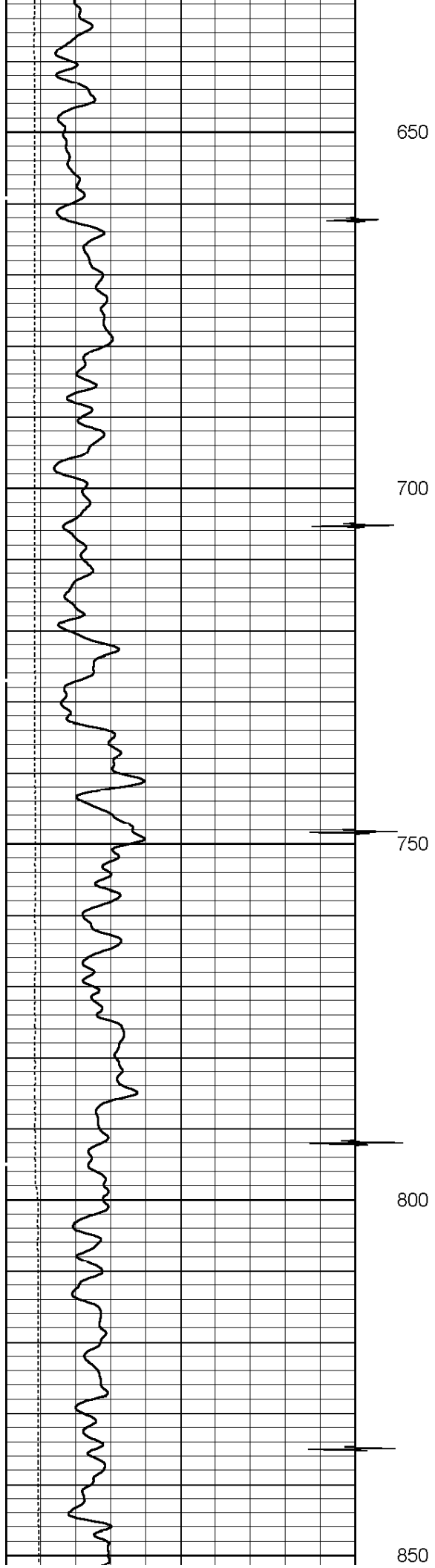
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 Dataset Pathname: pass4  
 Presentation Format: rbtfinal  
 Dataset Creation: Wed Mar 05 14:32:41 2008 by Calc Std Casedhole 07122  
 Charted by: Depth in Feet scaled 1:240

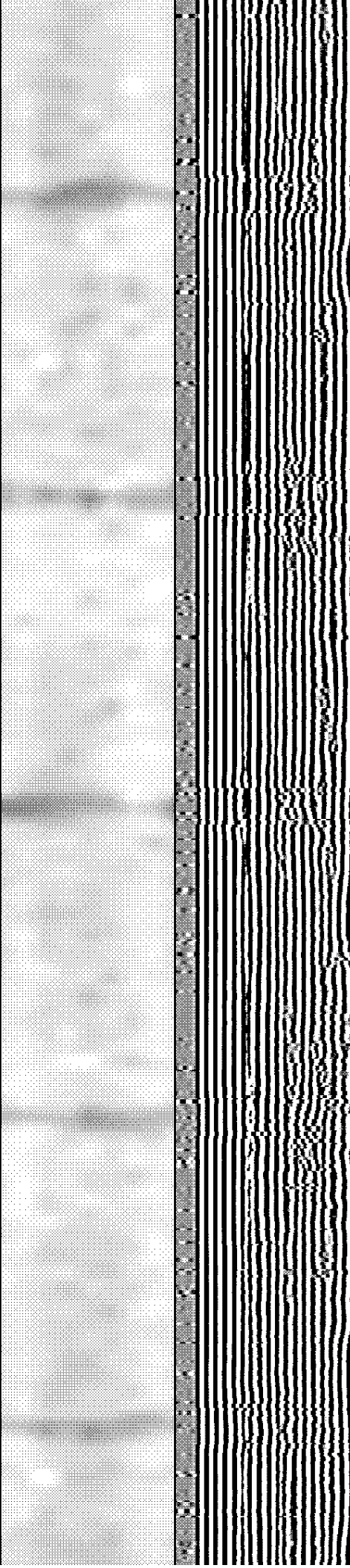
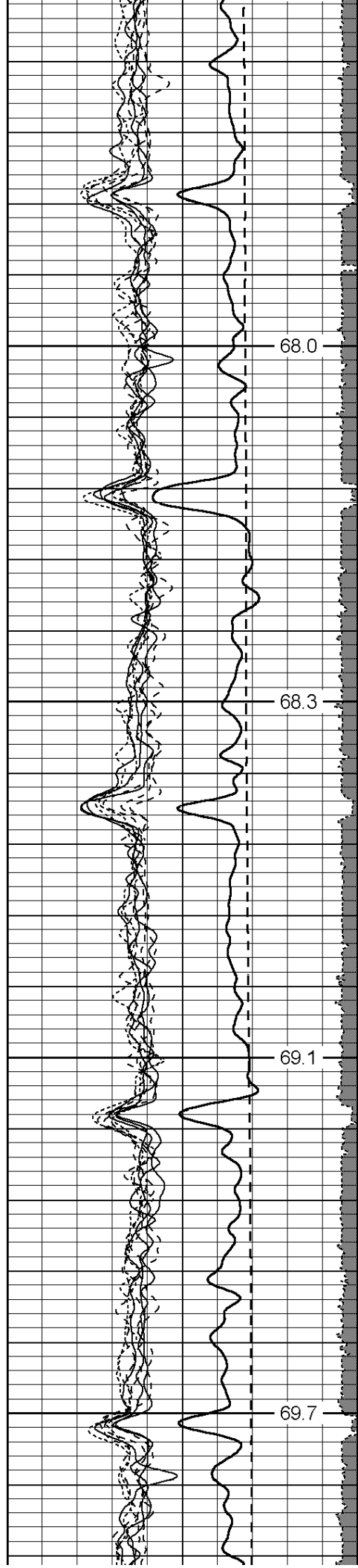
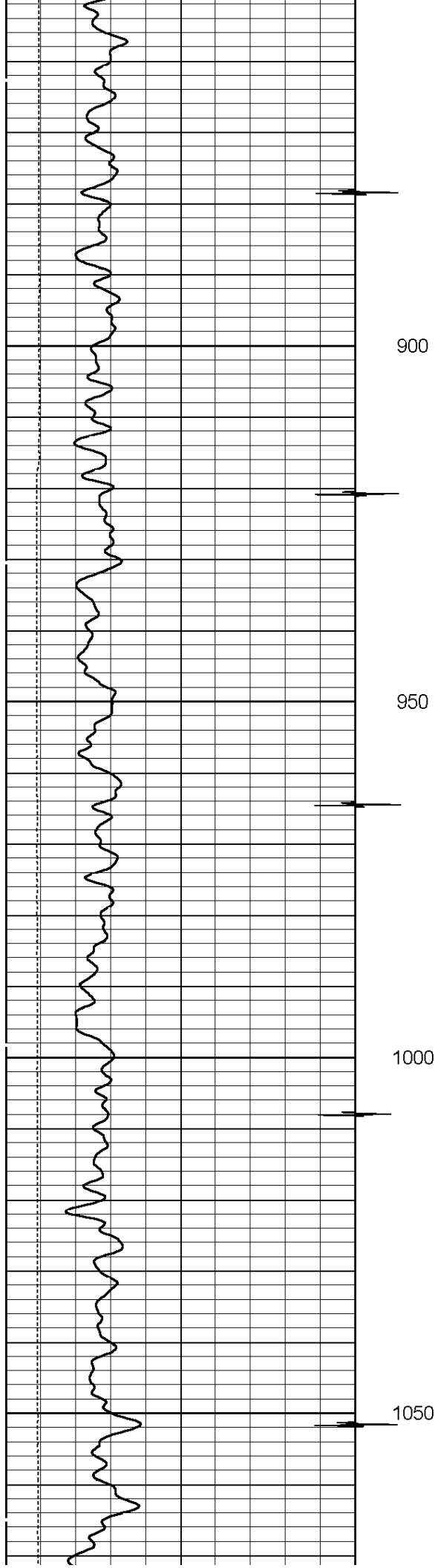
Charted by: _____			Depth in Feet scaled 1:2.15							
0	GR (GAPI)	200	0	Amplitude (mV)	100	1	SECTORS	8	Variable Density	
0	LTEN (lb)	5000	0	temp (degF)	100	0		70	200	1200
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		CCL	0		TT3FT (usec)	210				
			TEMP (degF)							

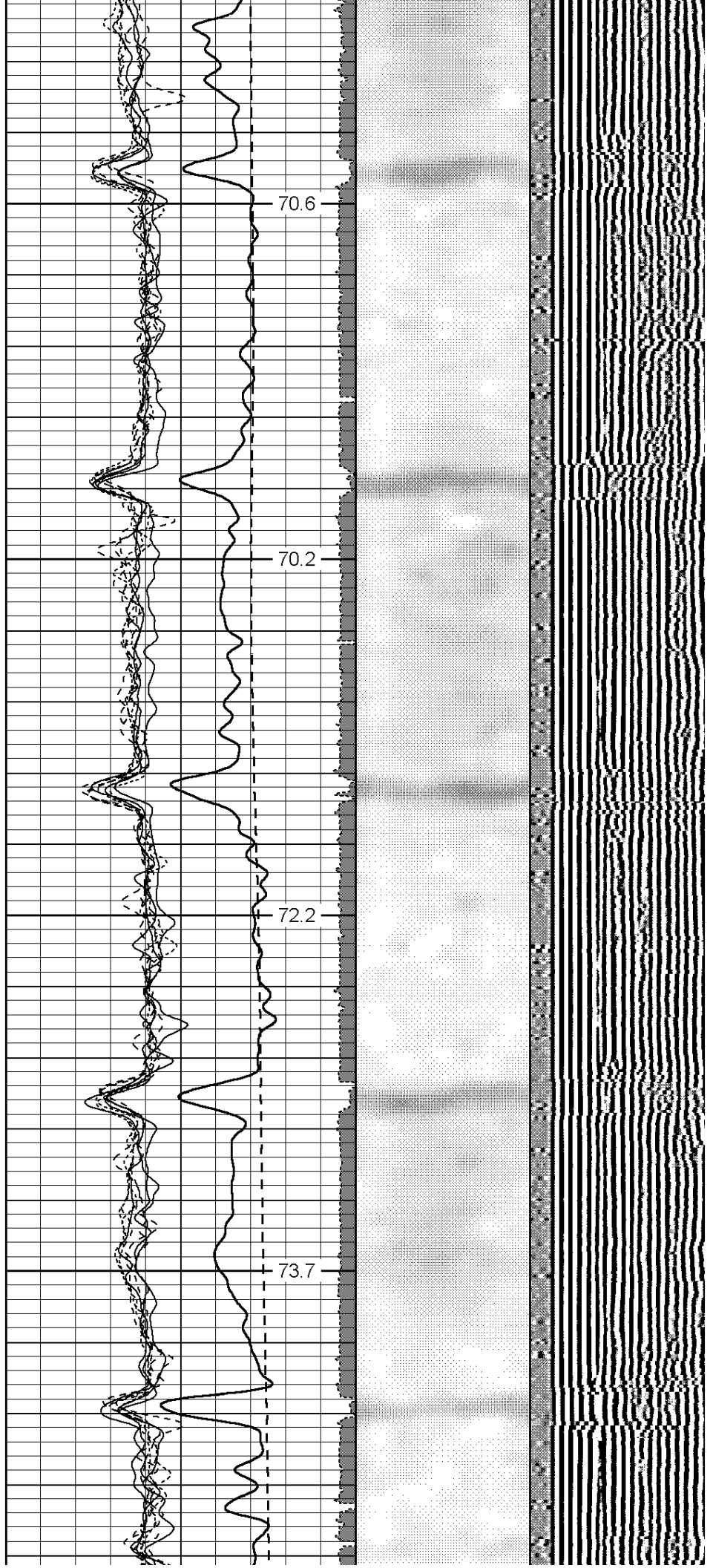
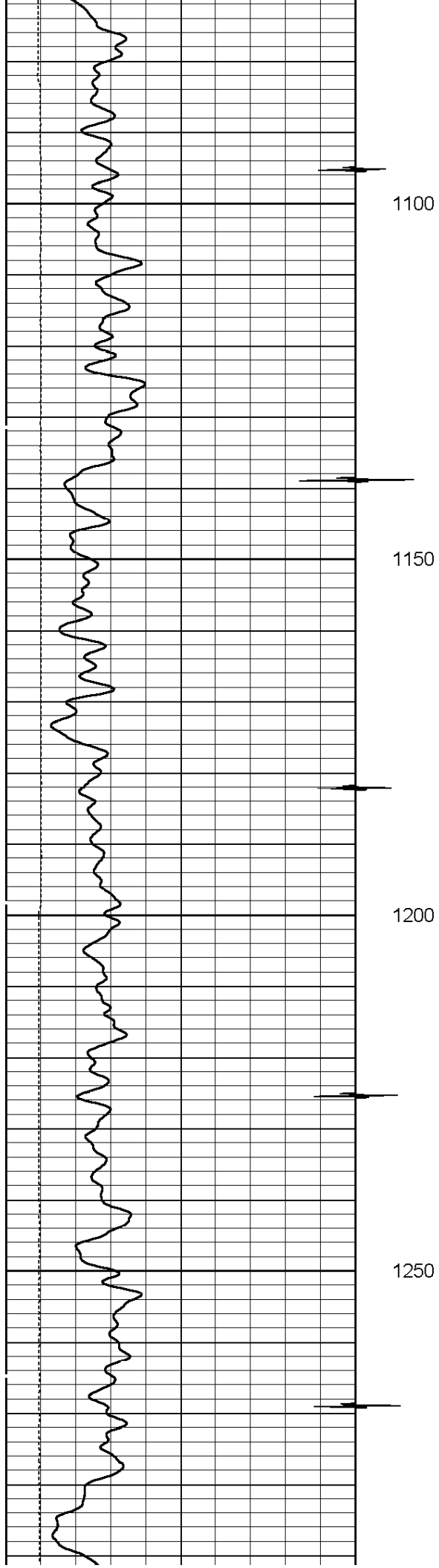




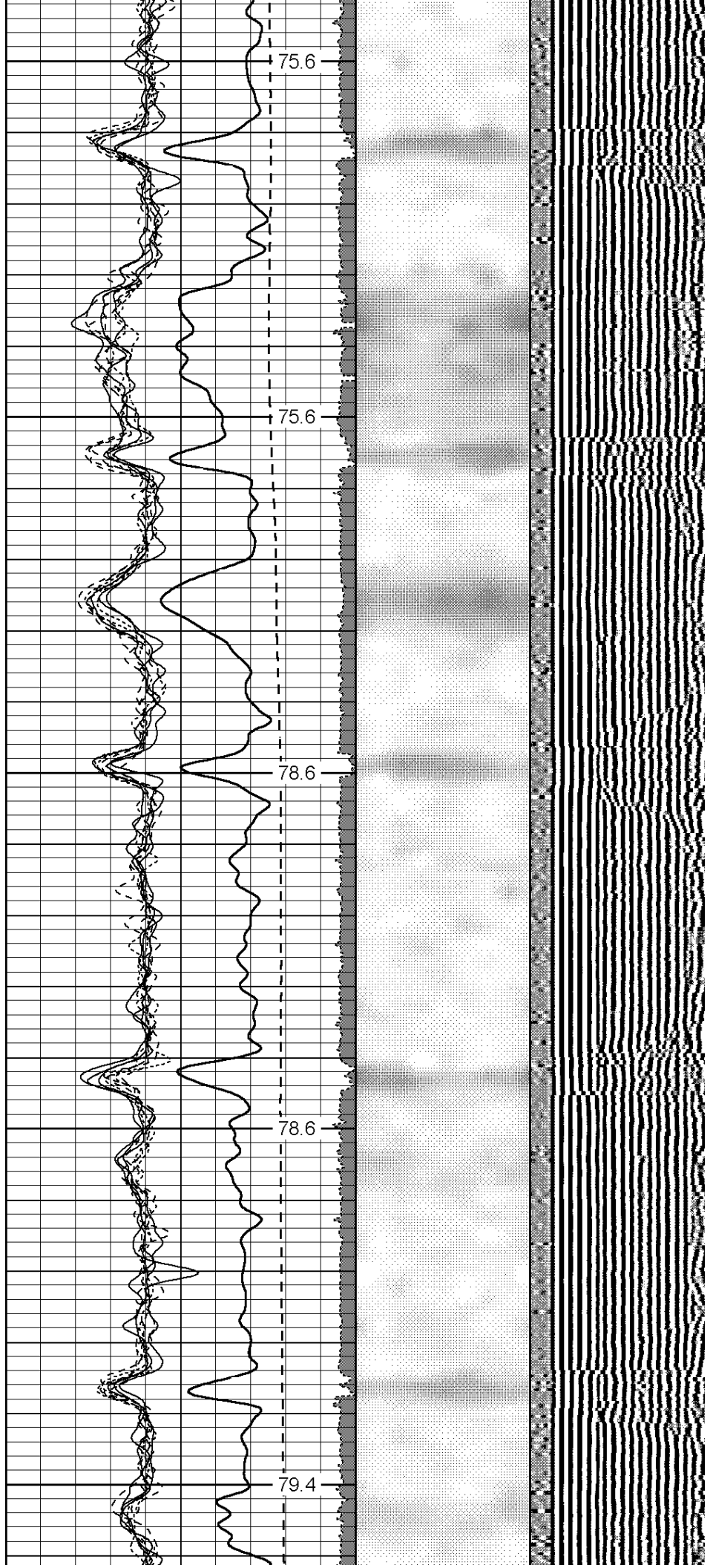
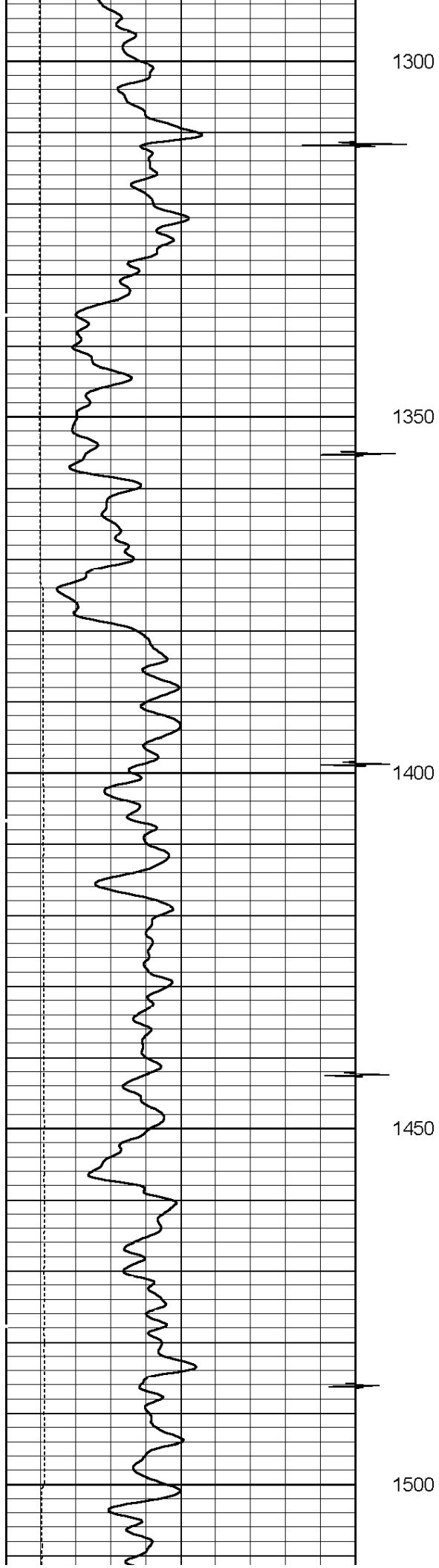




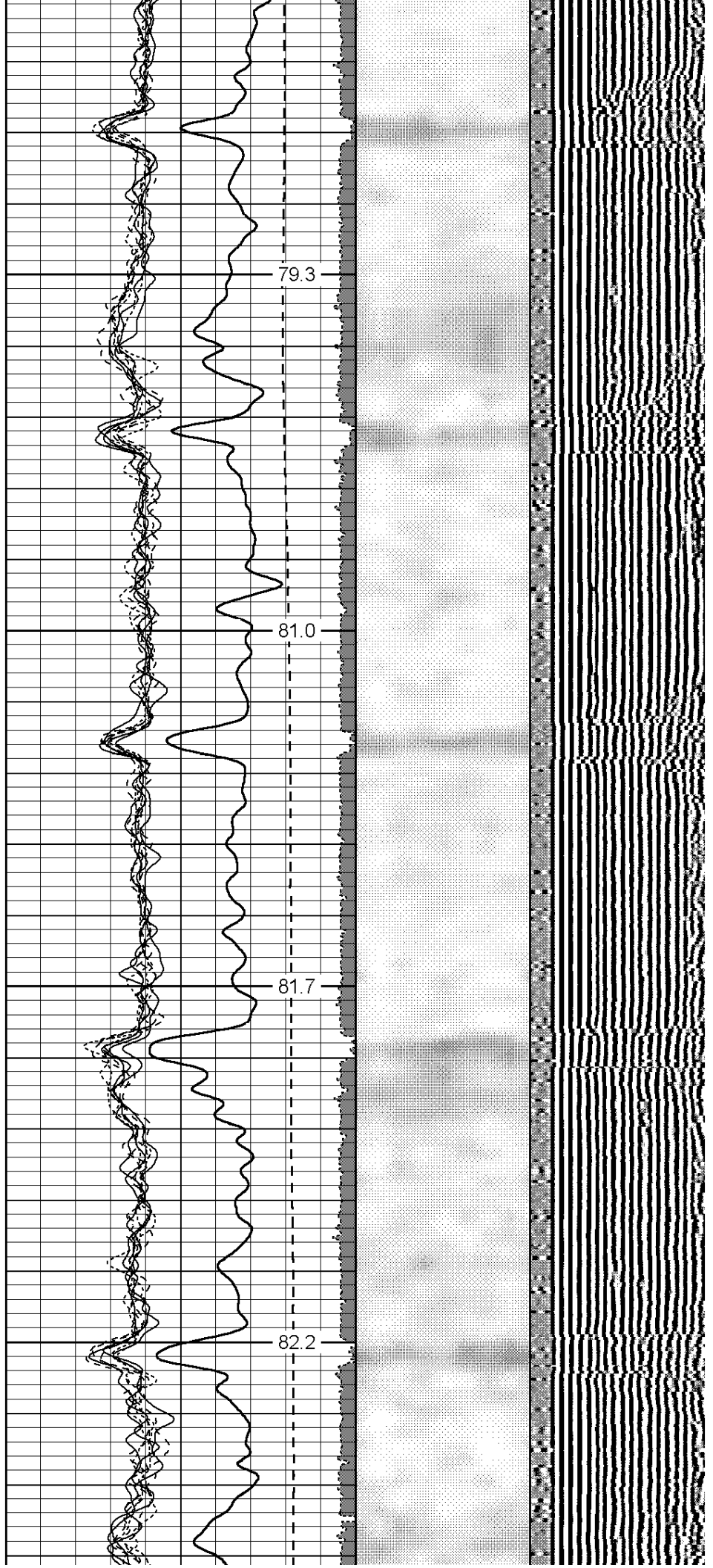
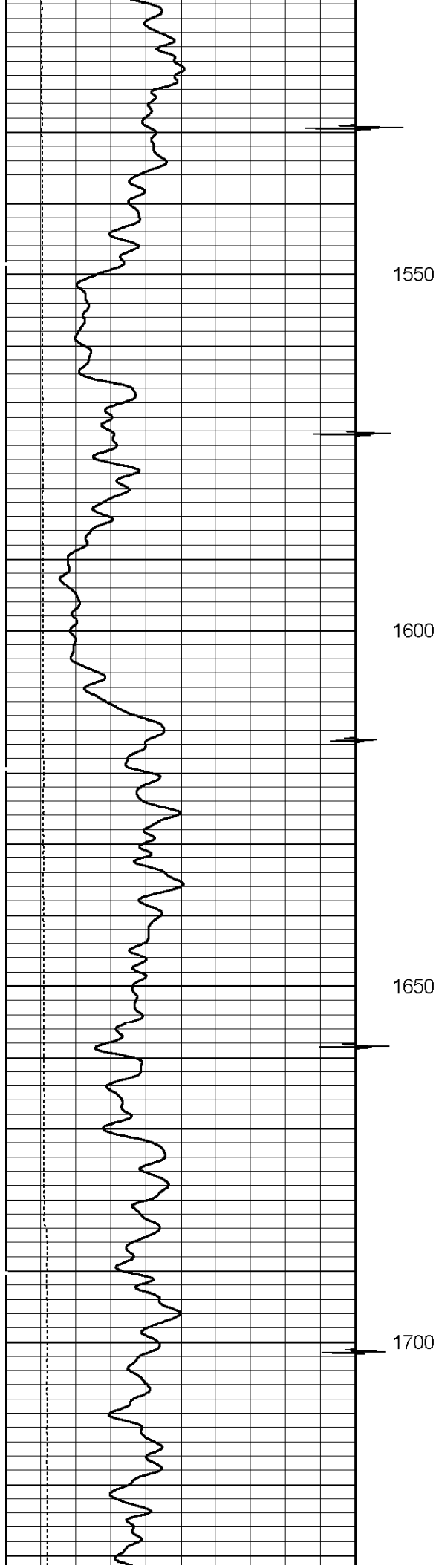


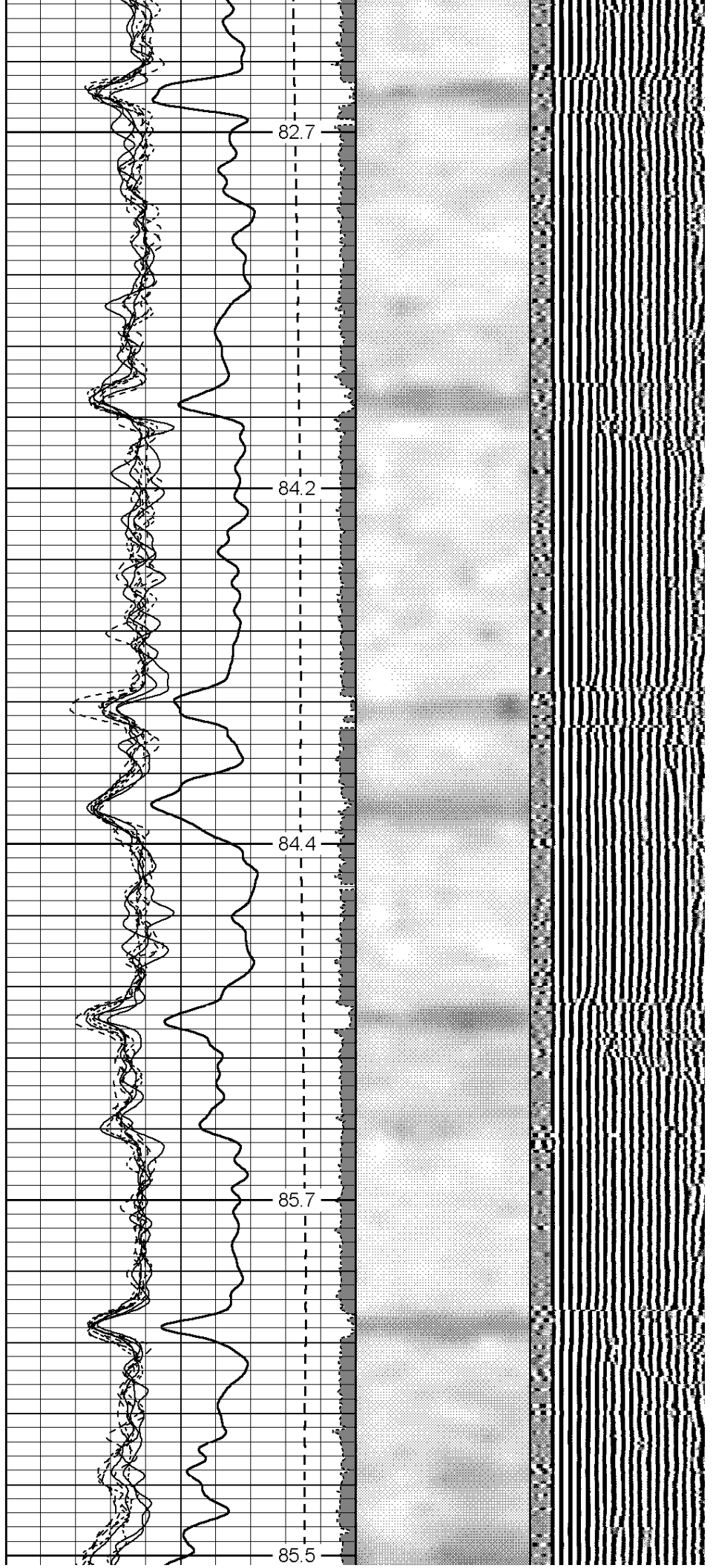
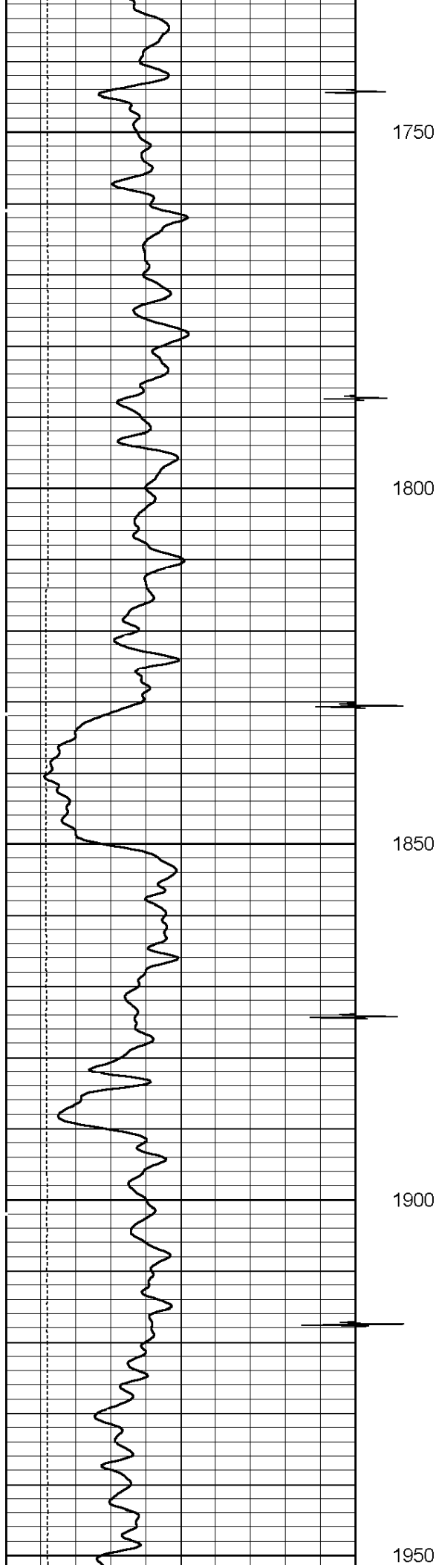


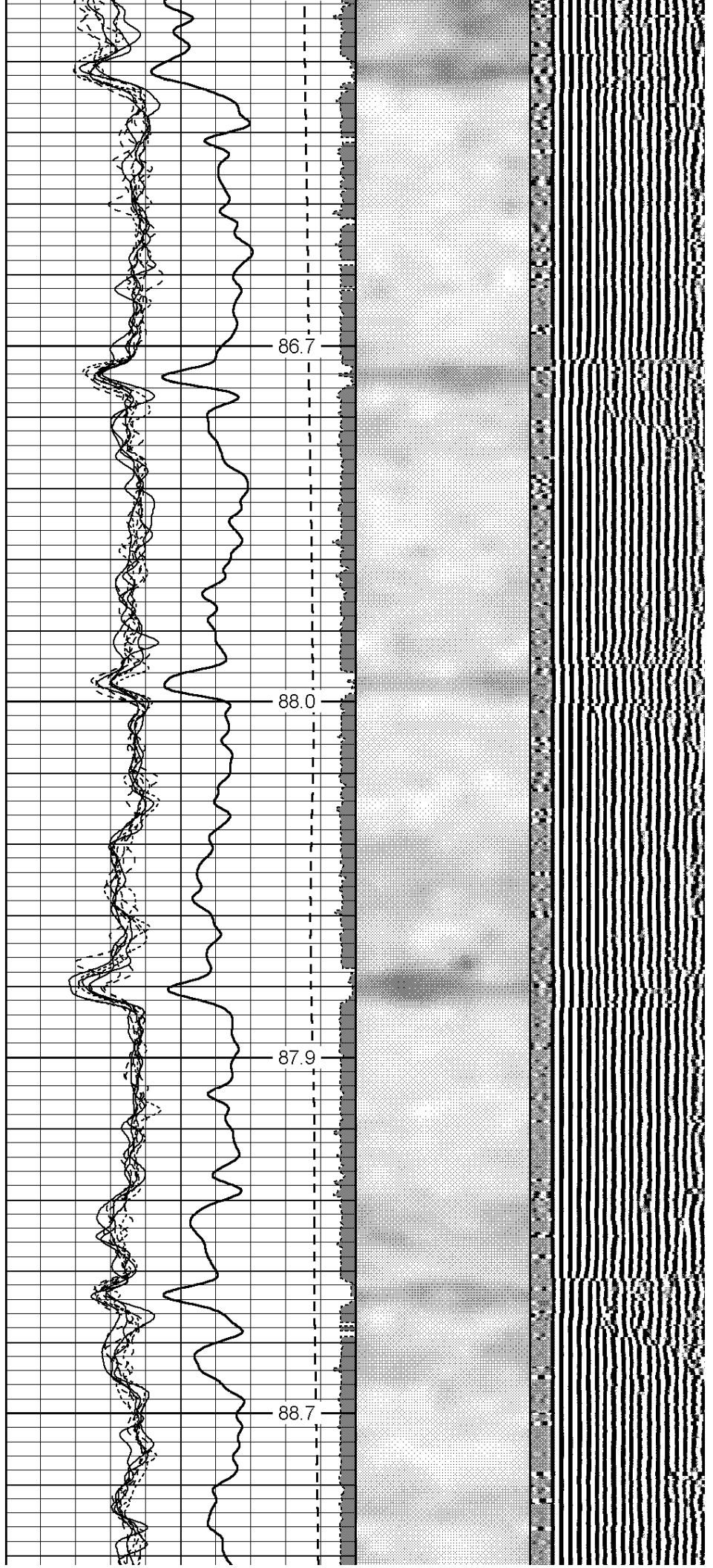
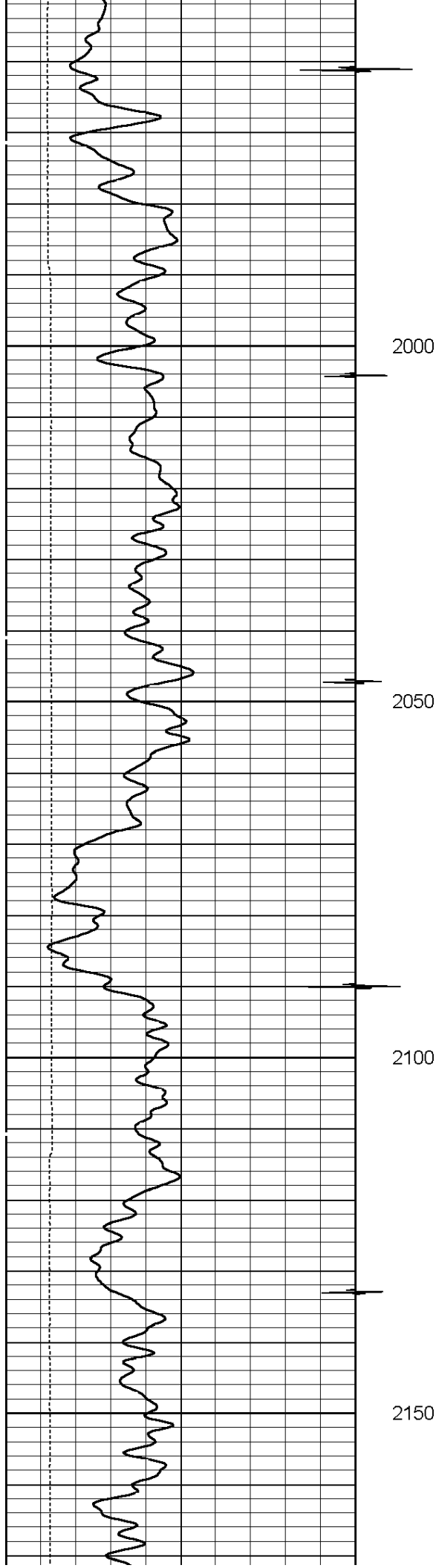


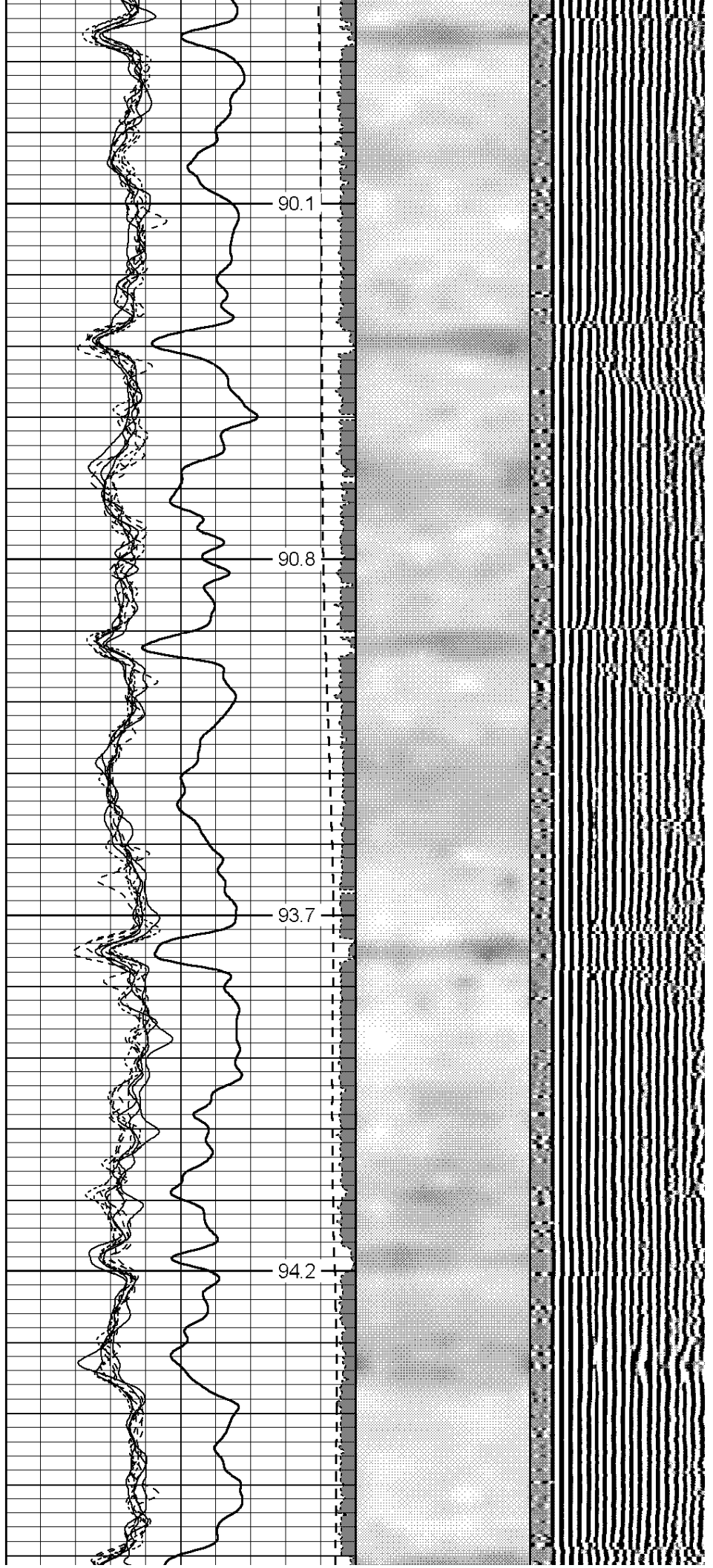
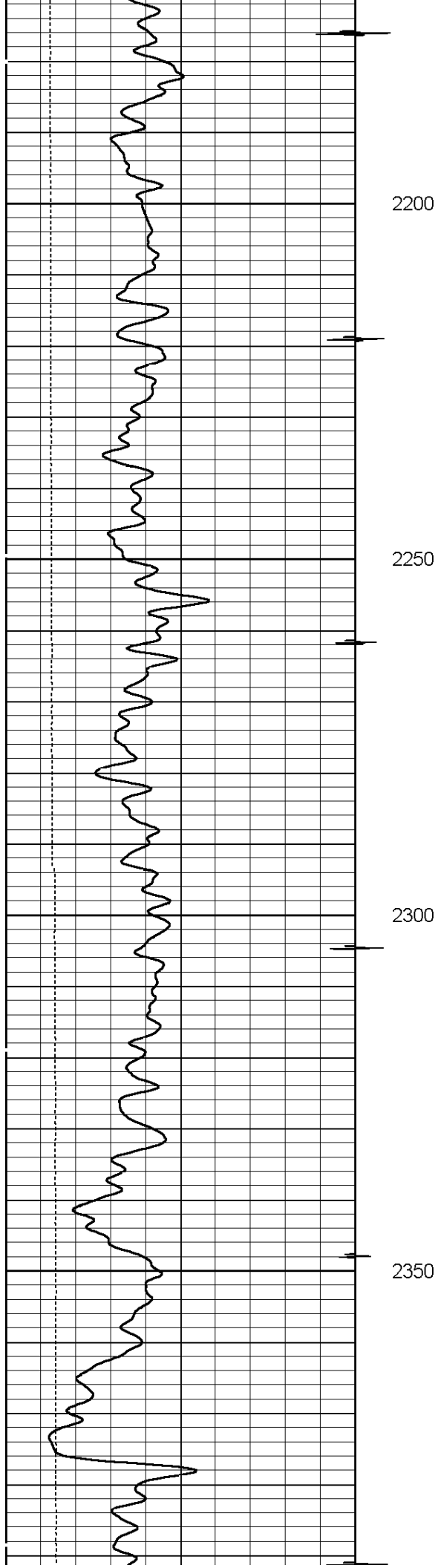


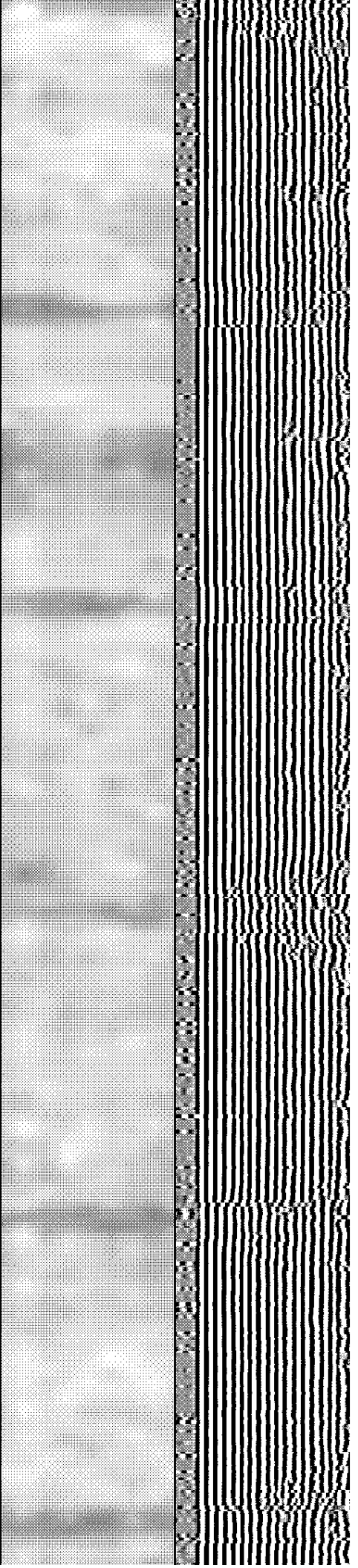
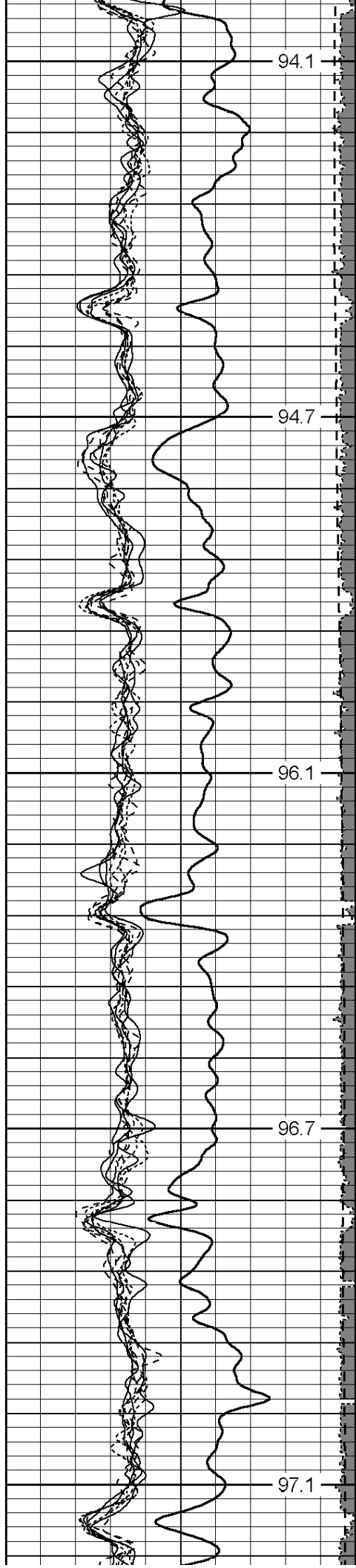
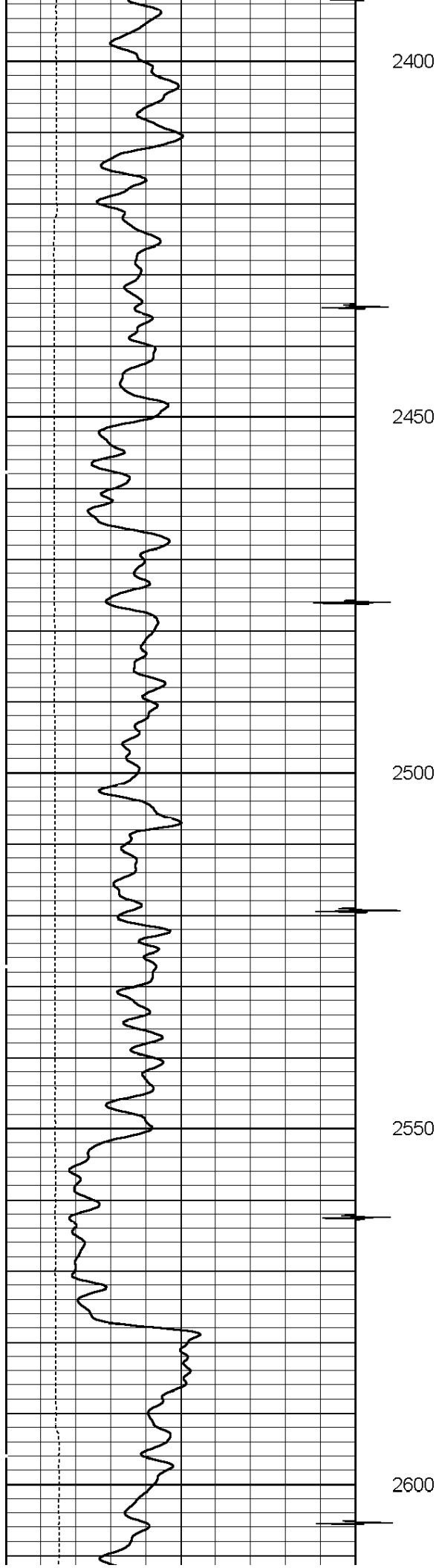




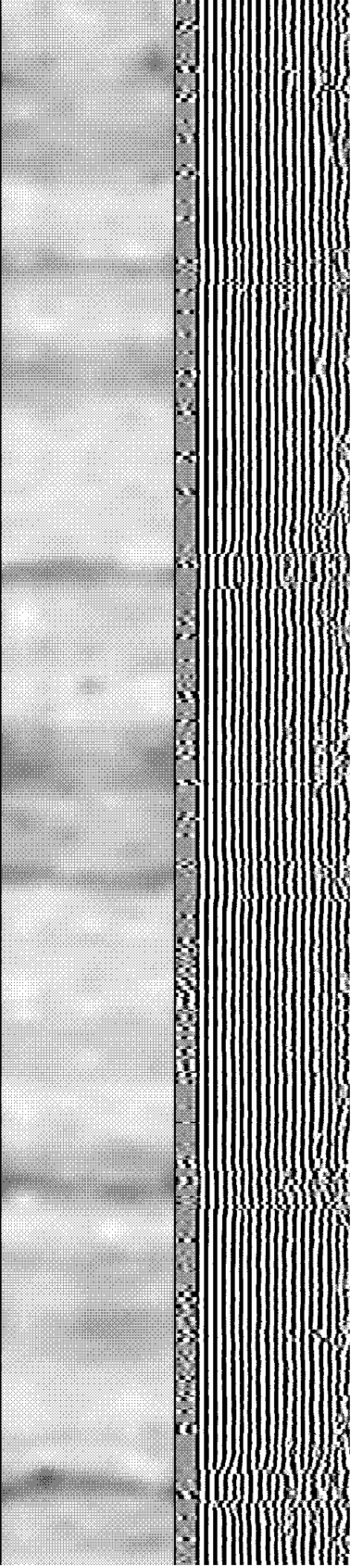
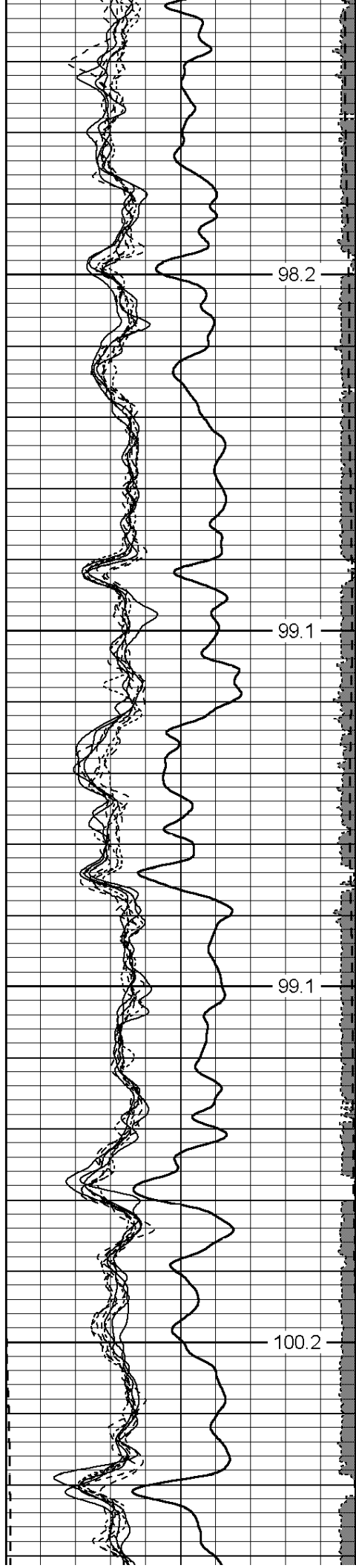
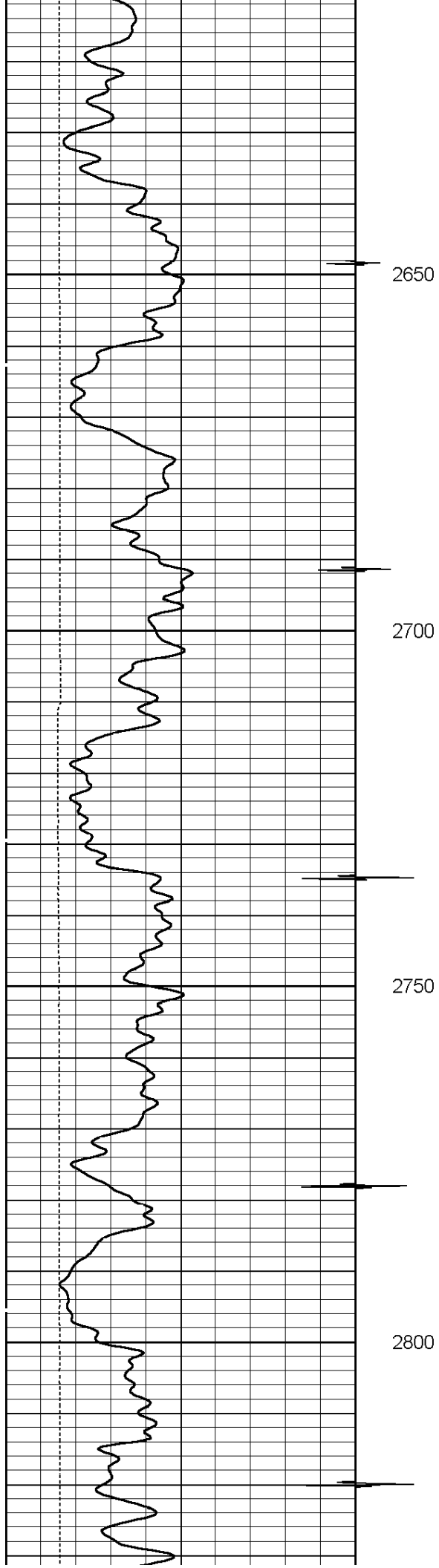




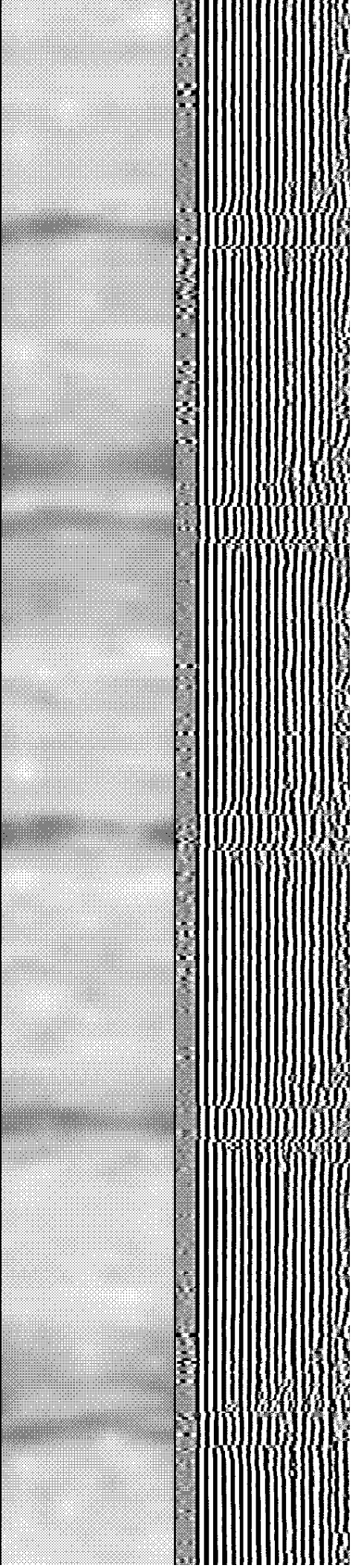
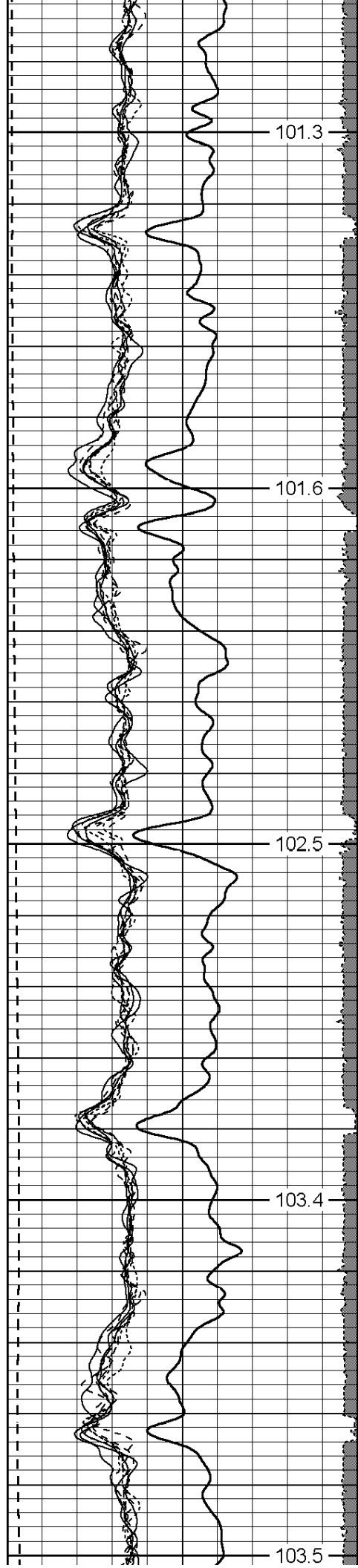
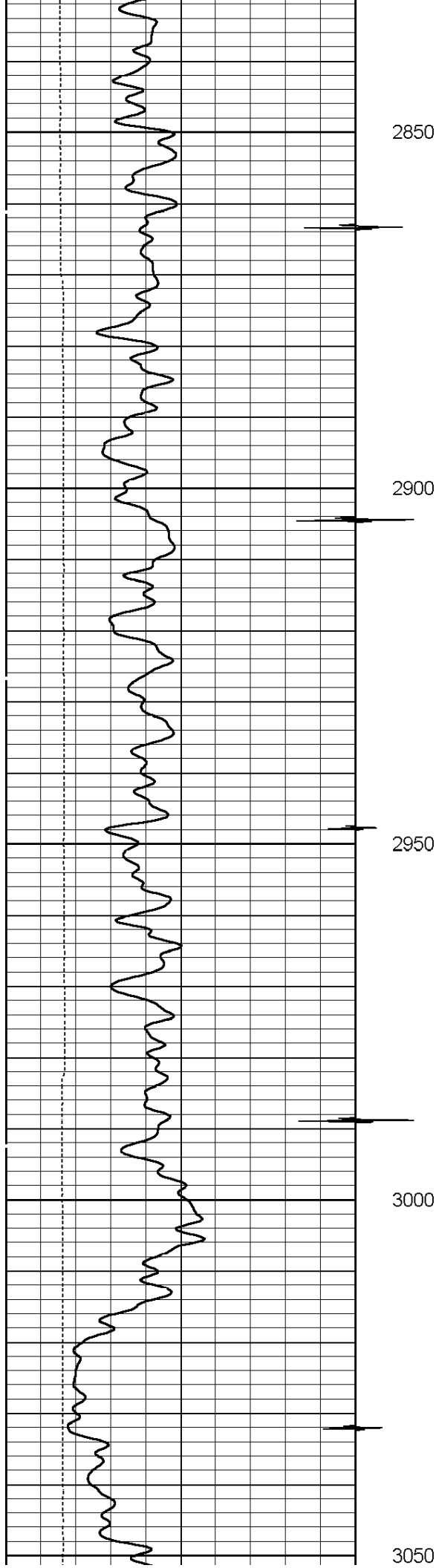


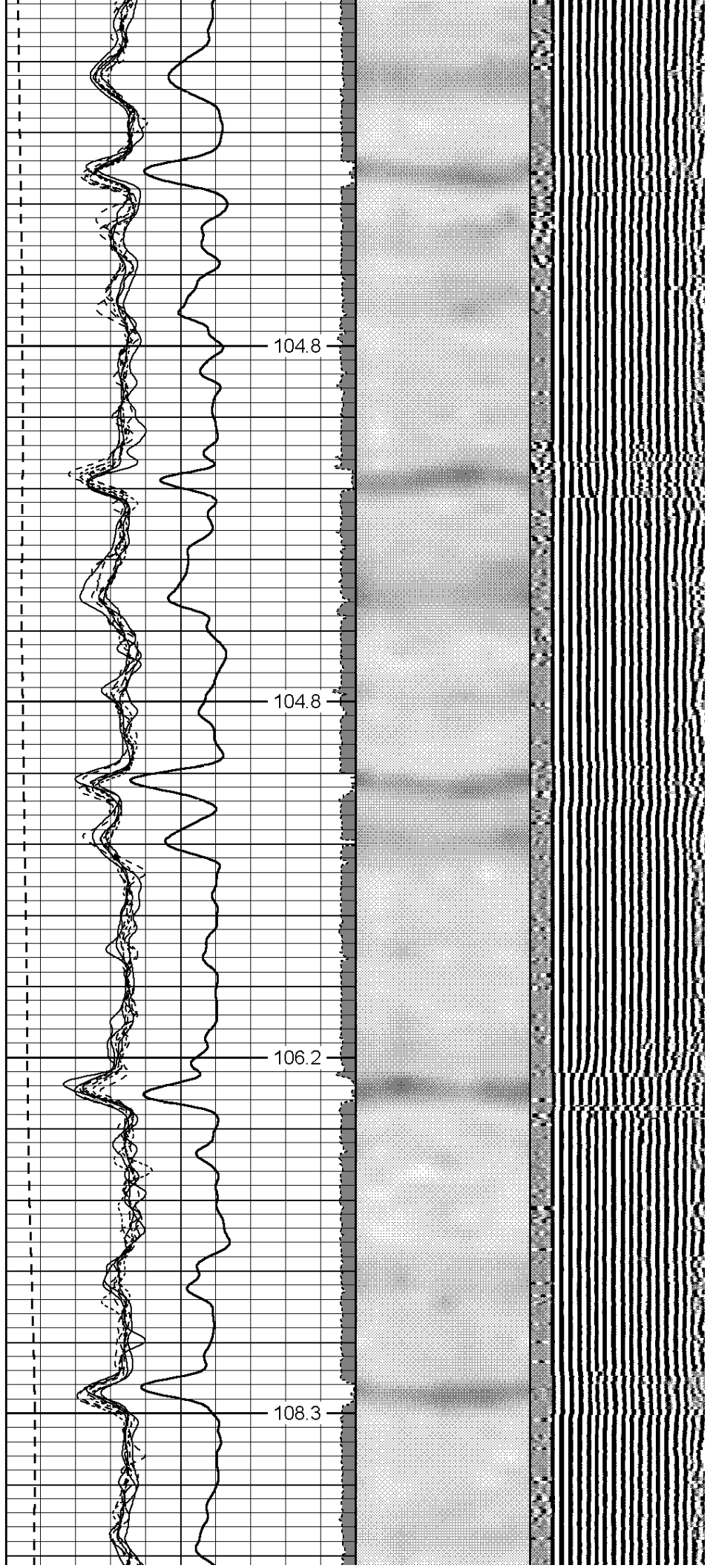
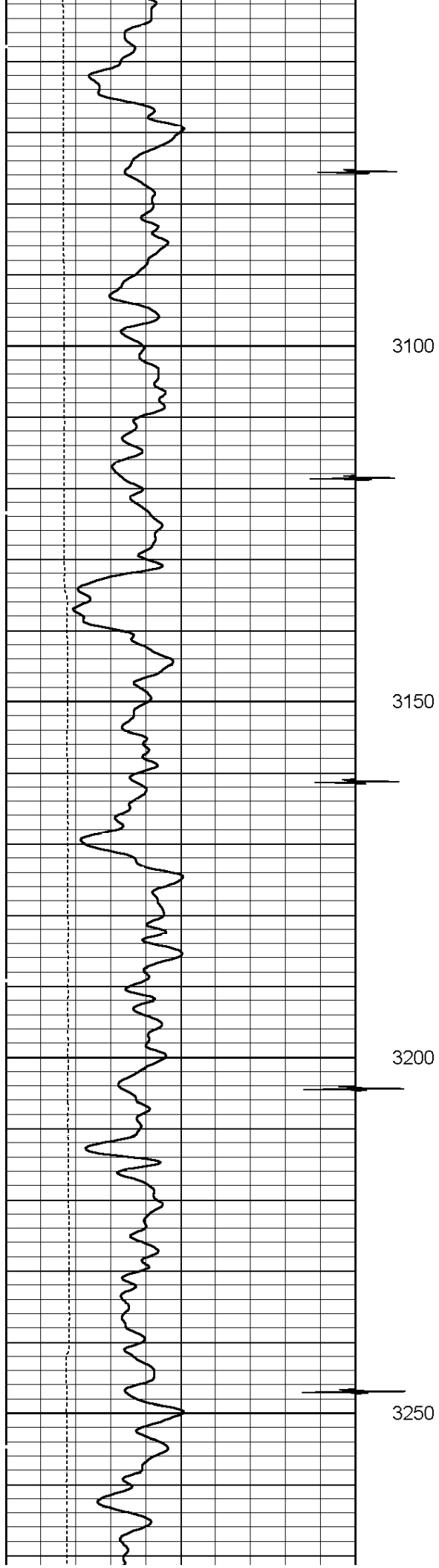


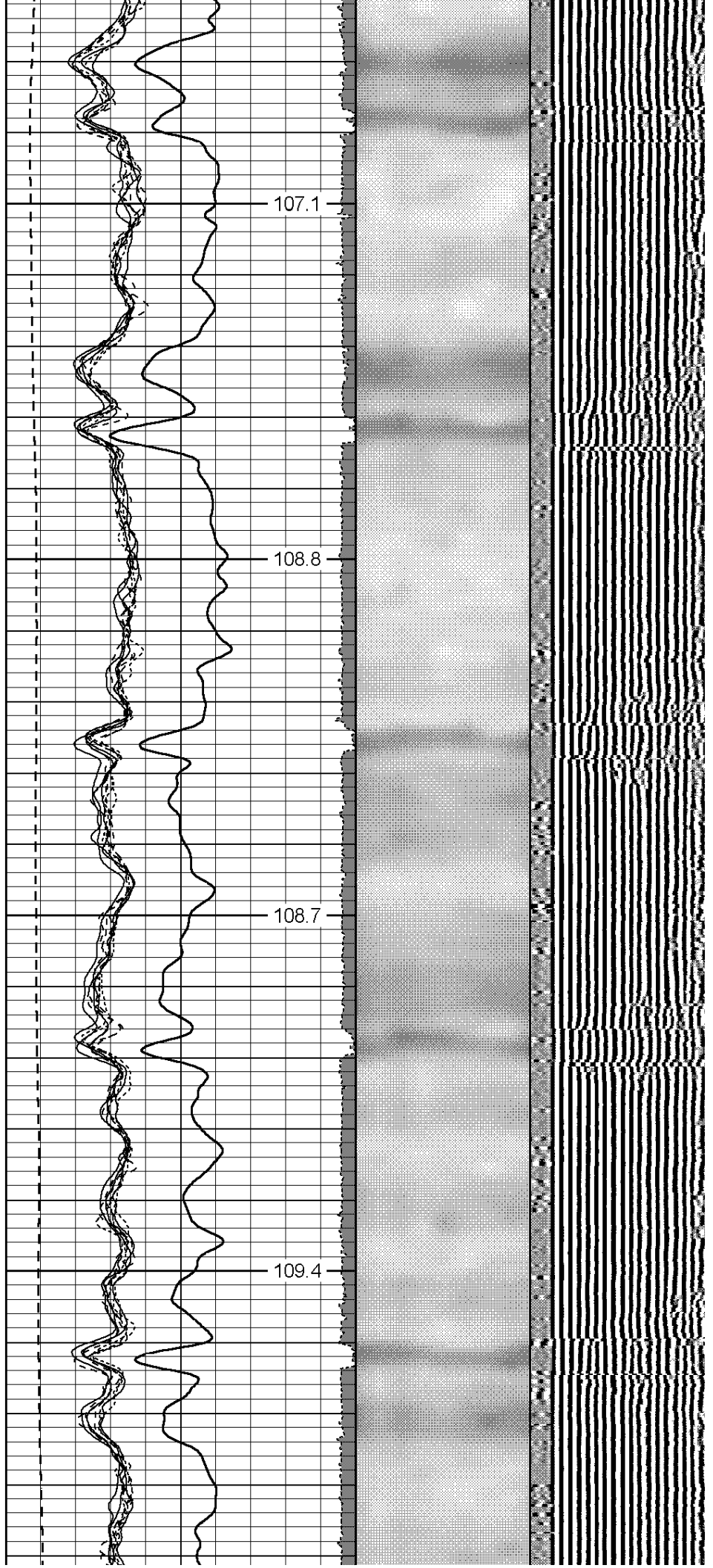
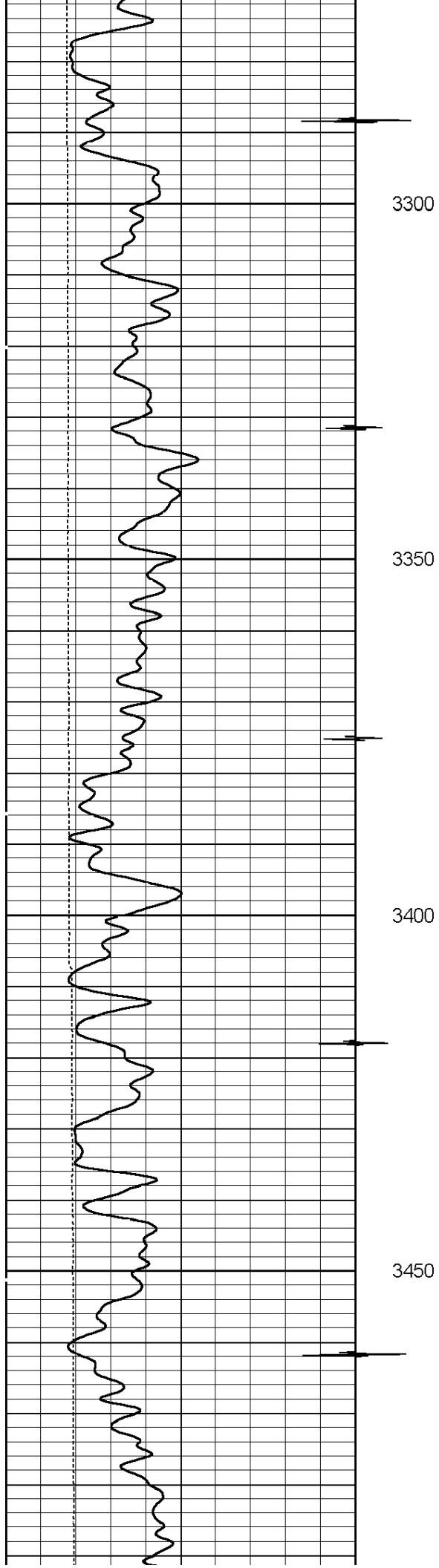


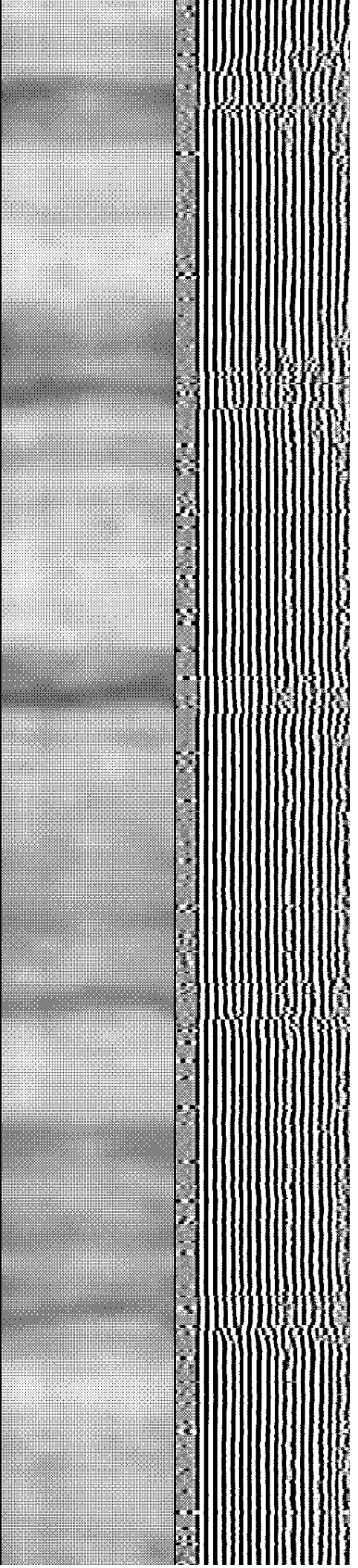
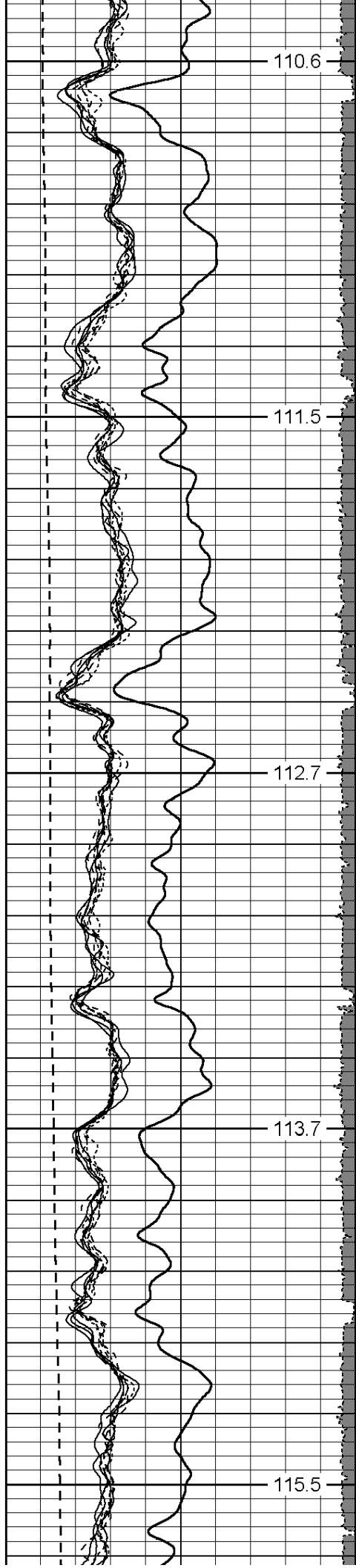
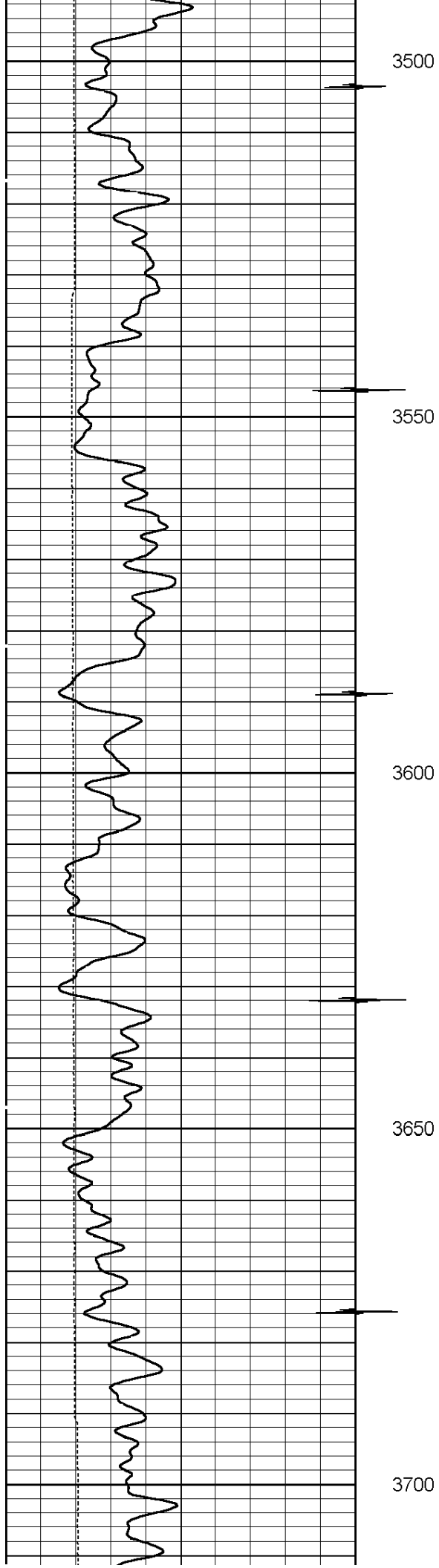


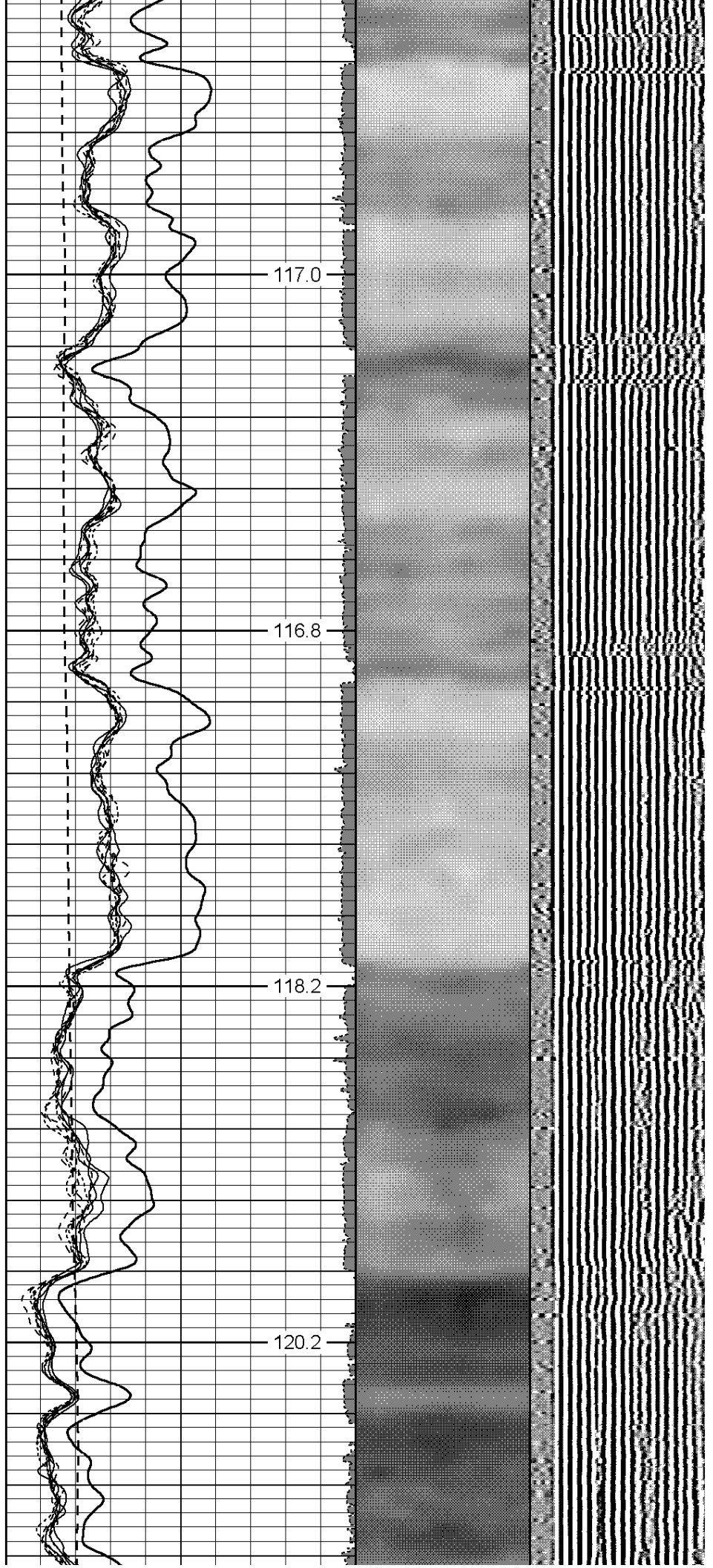
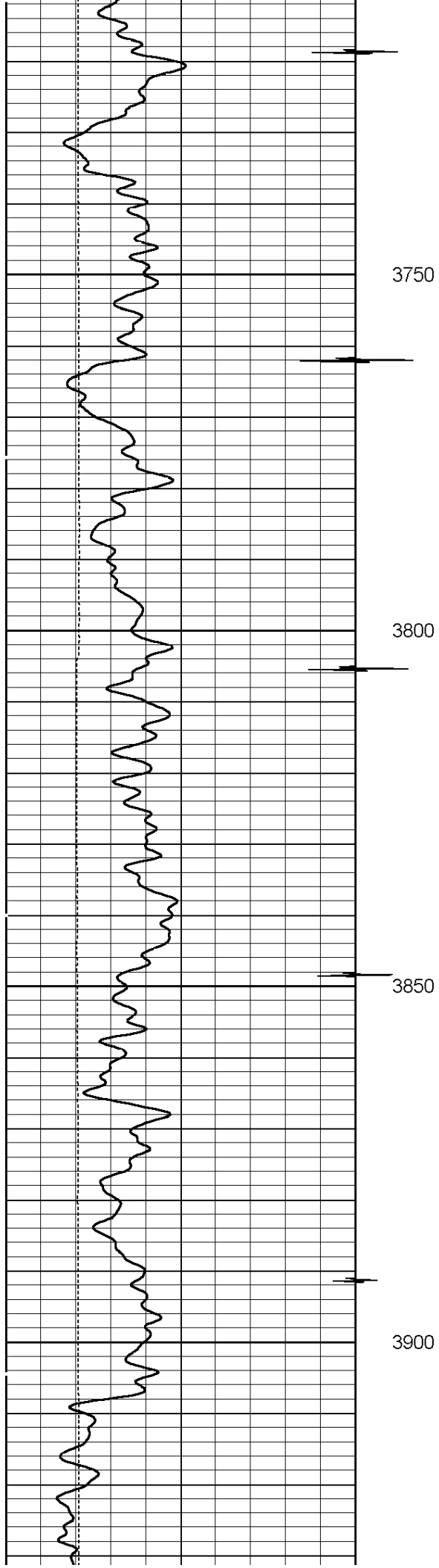




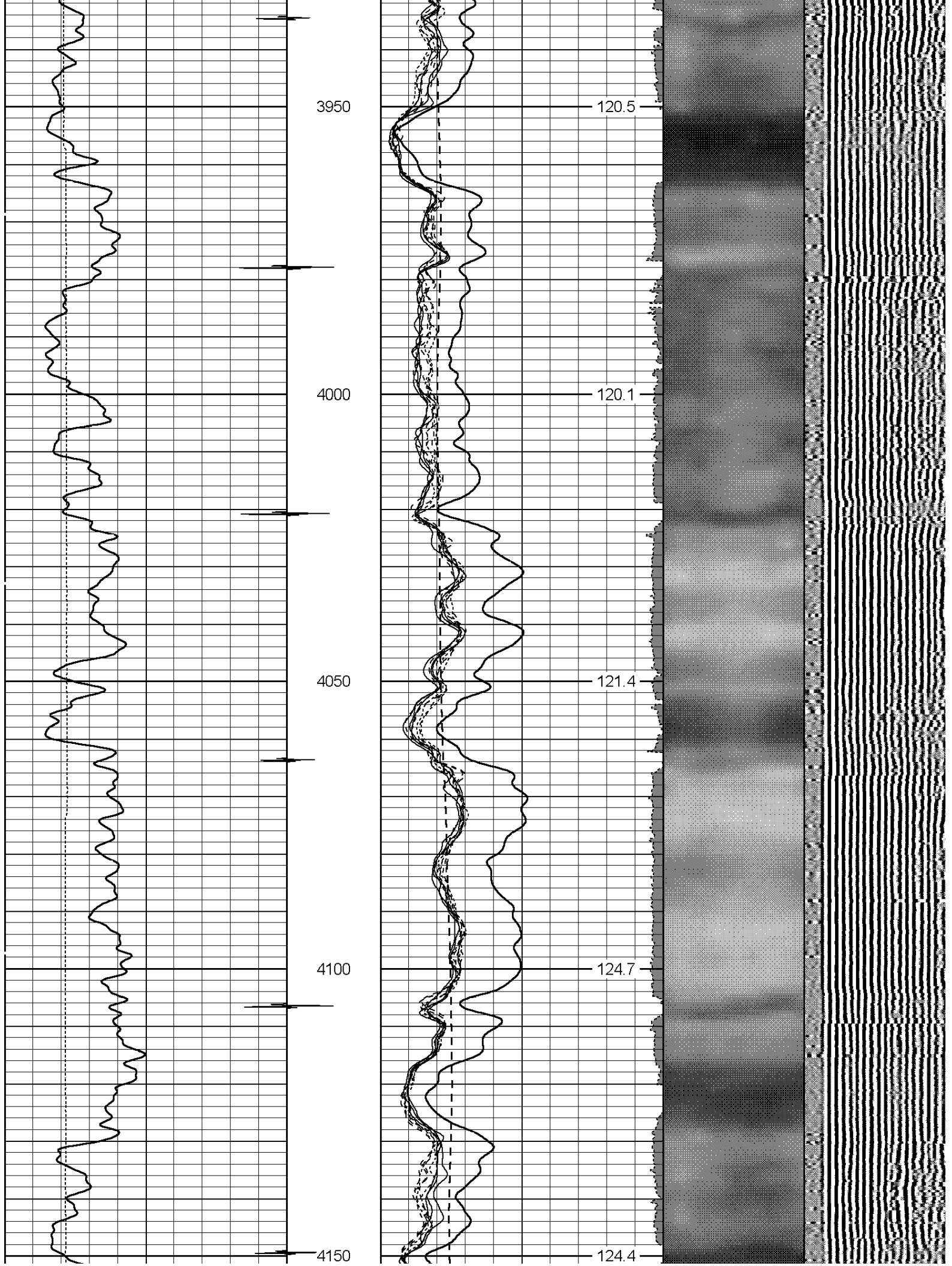




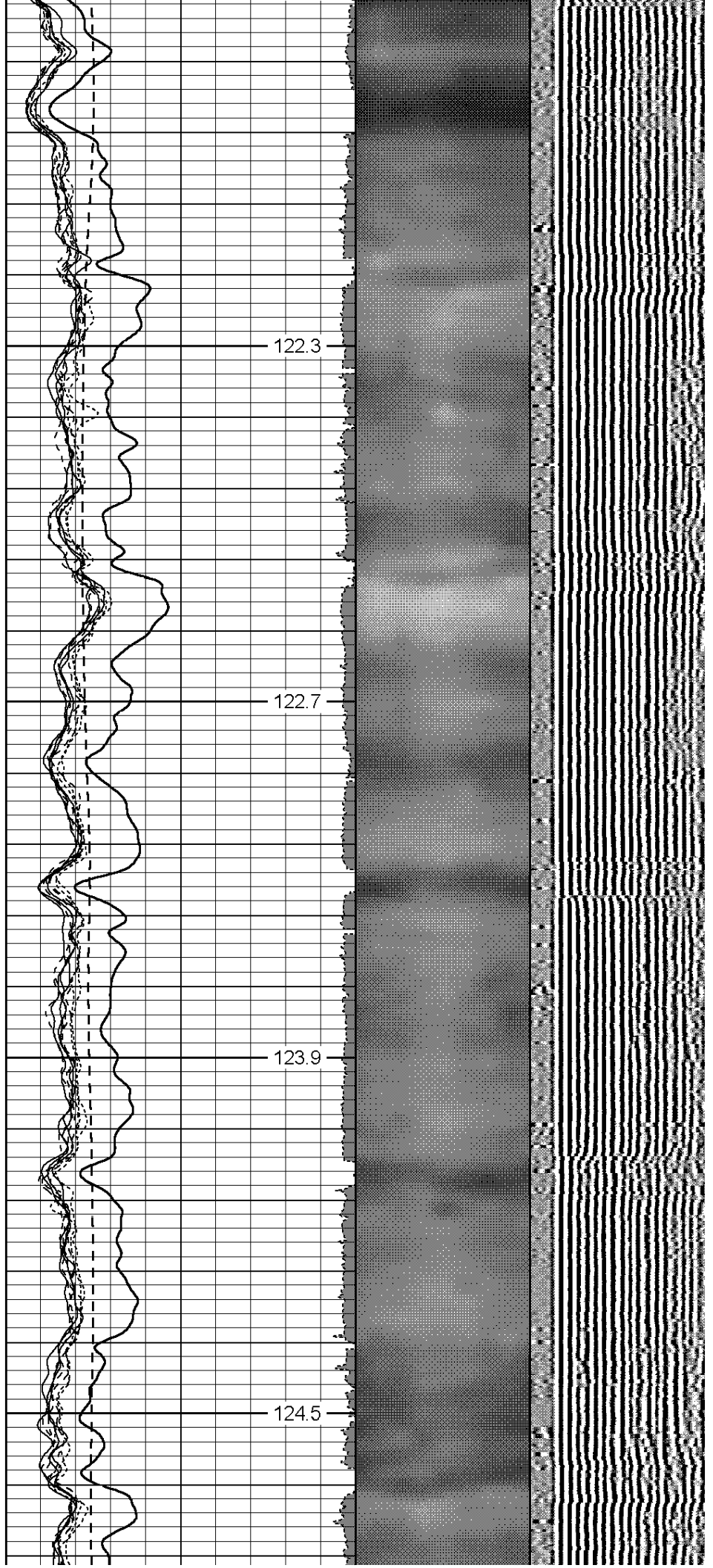
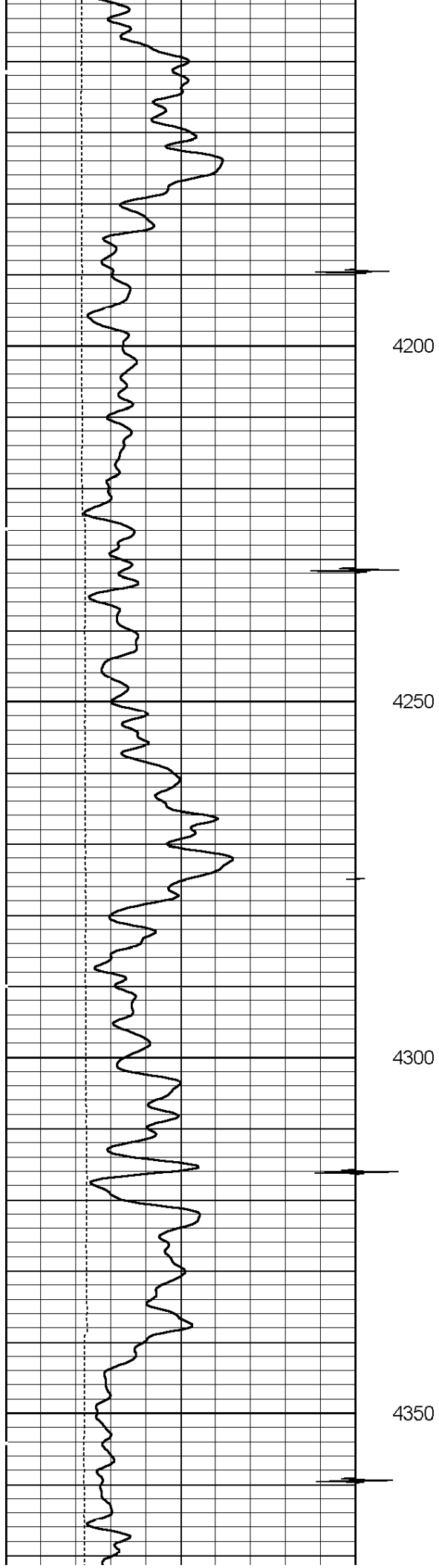


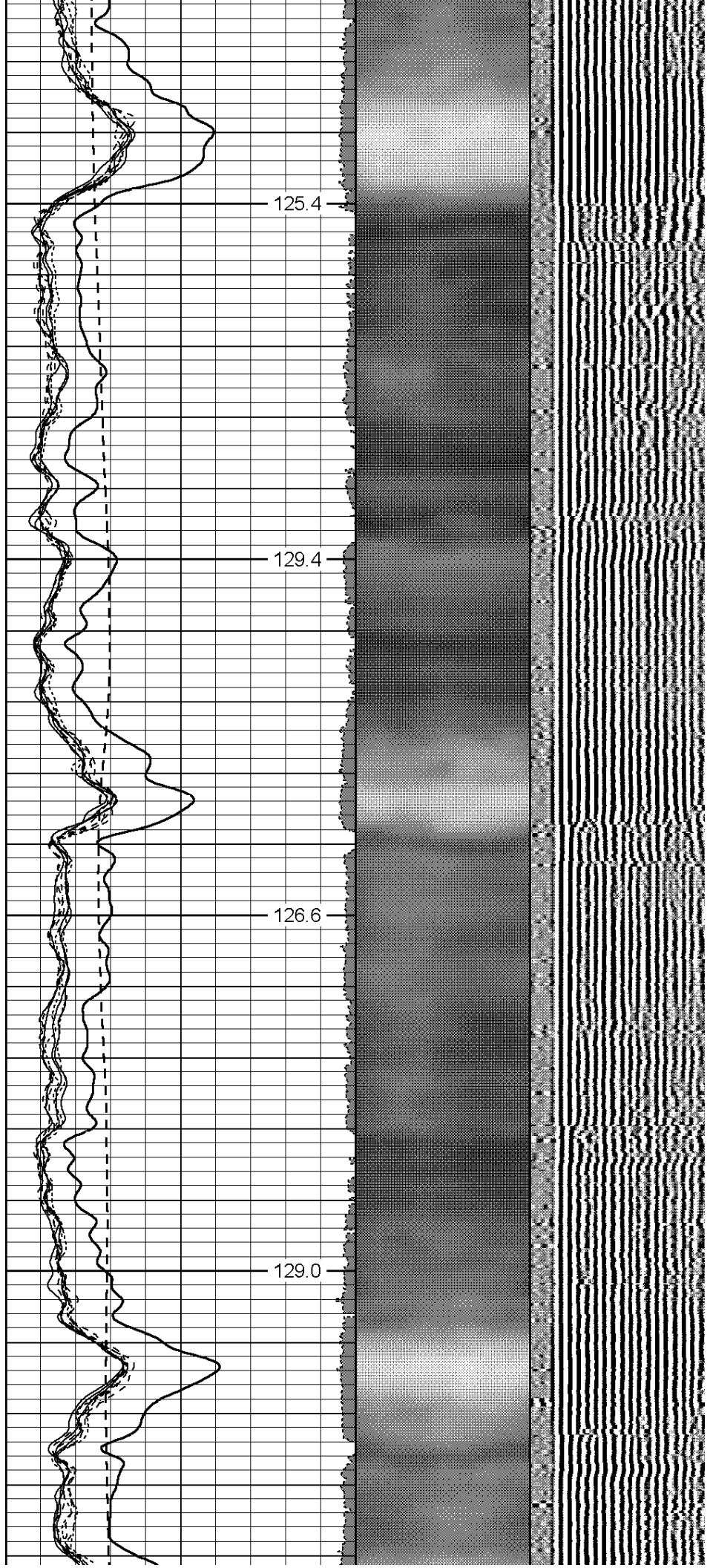
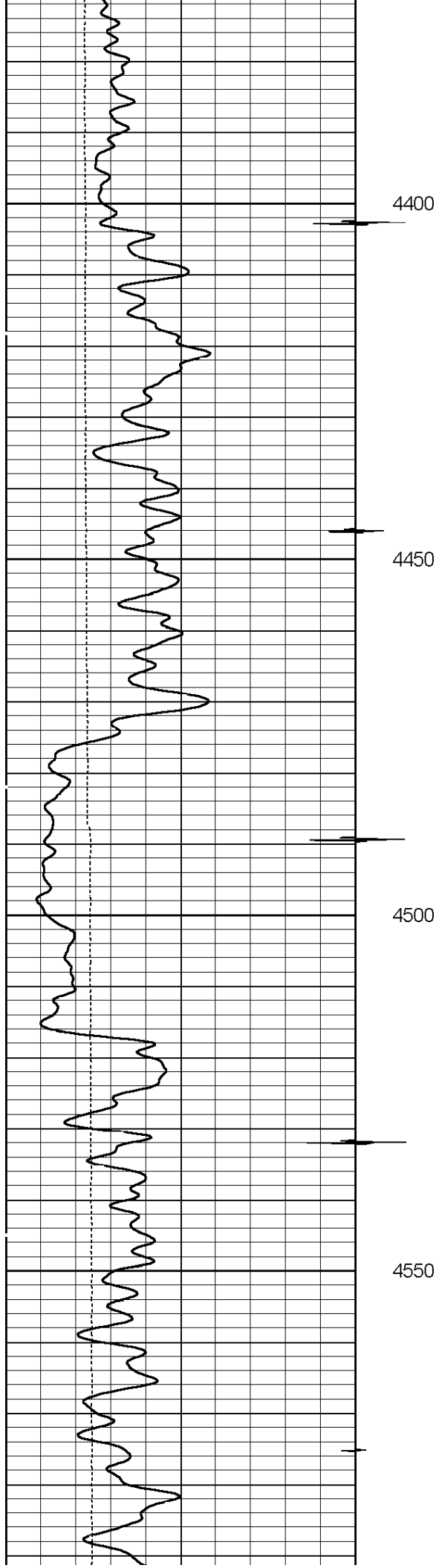


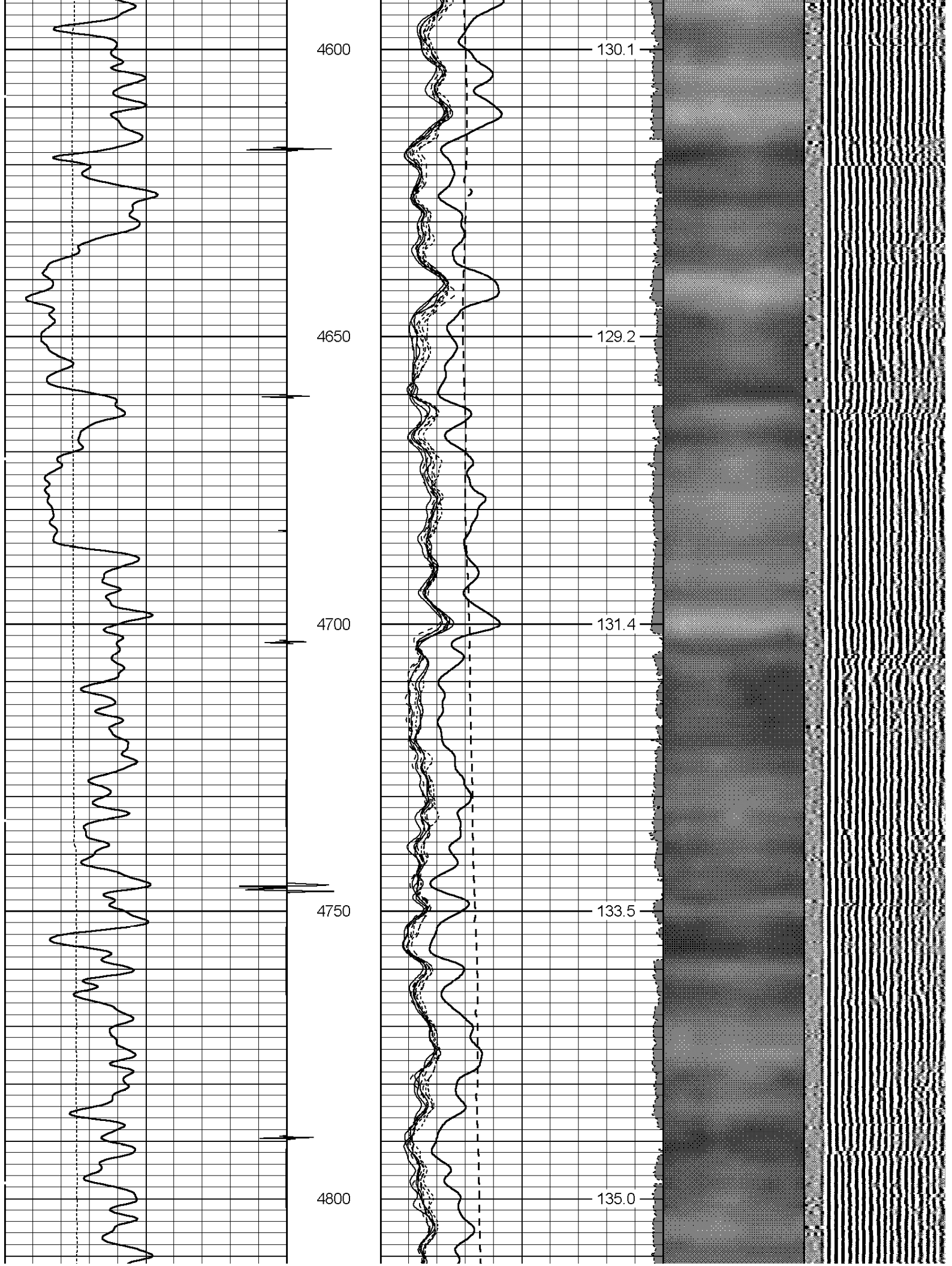


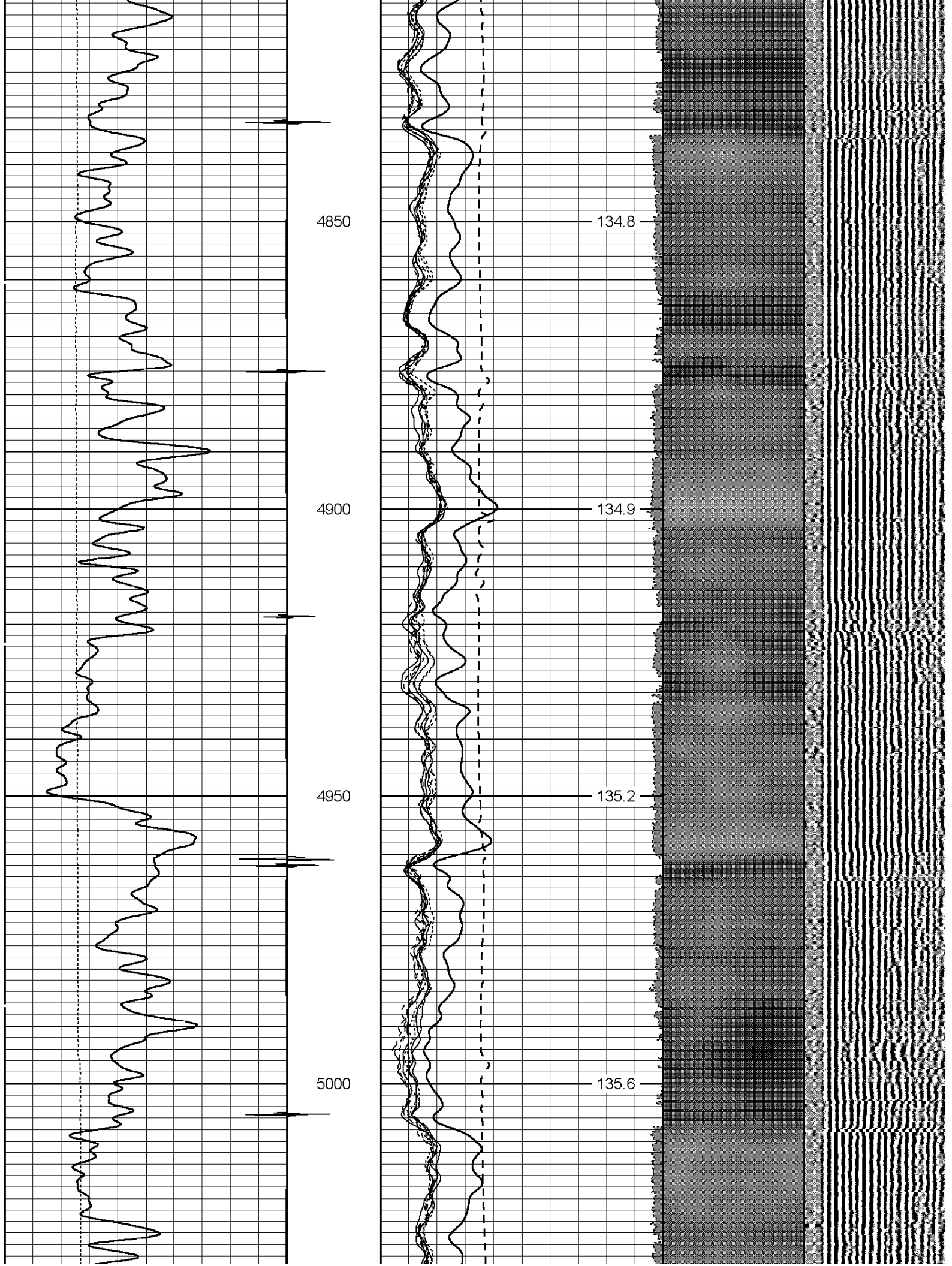




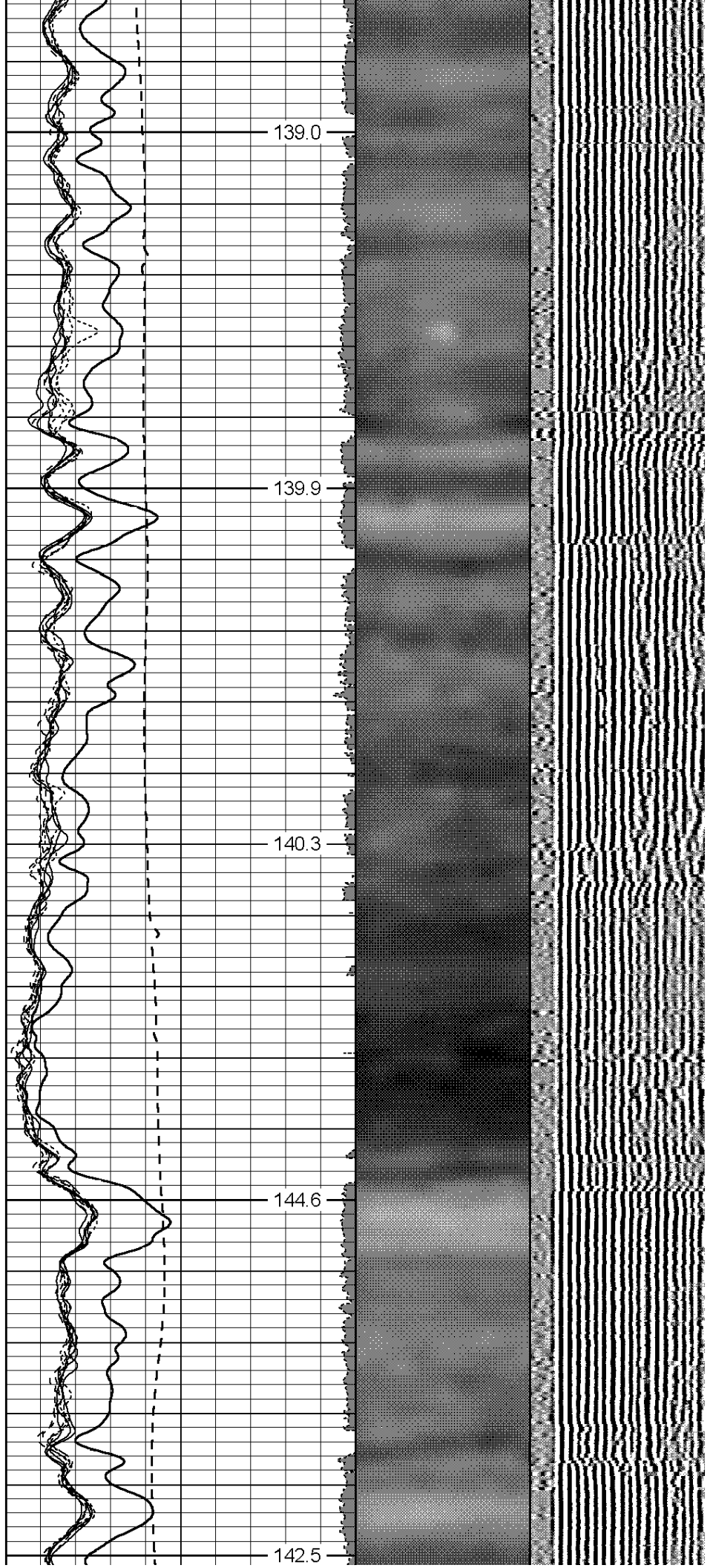
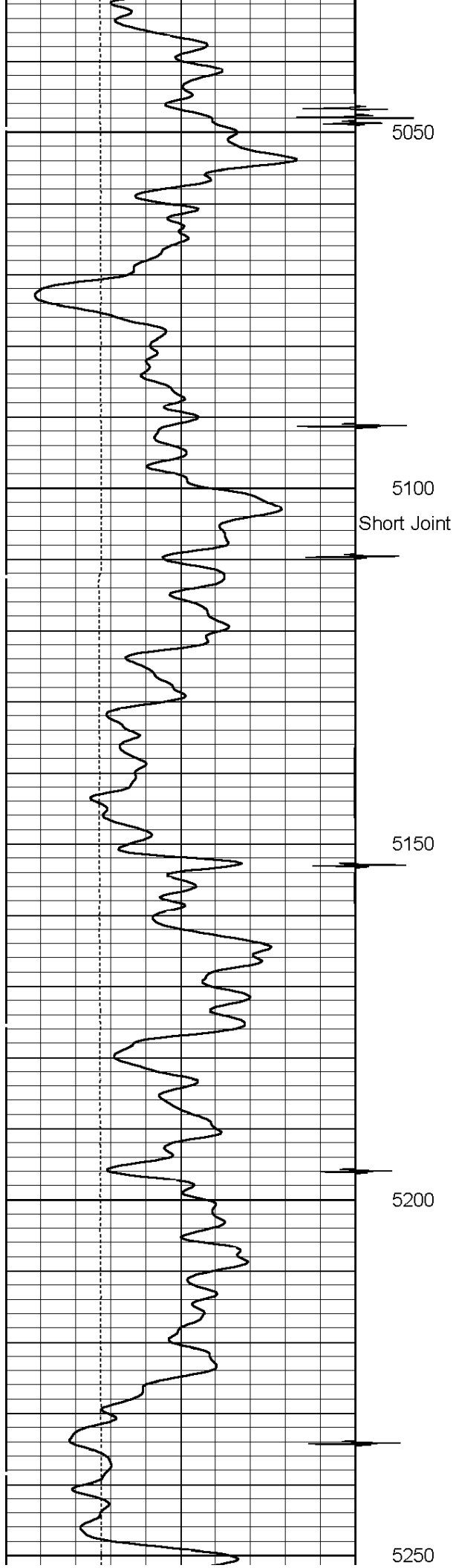


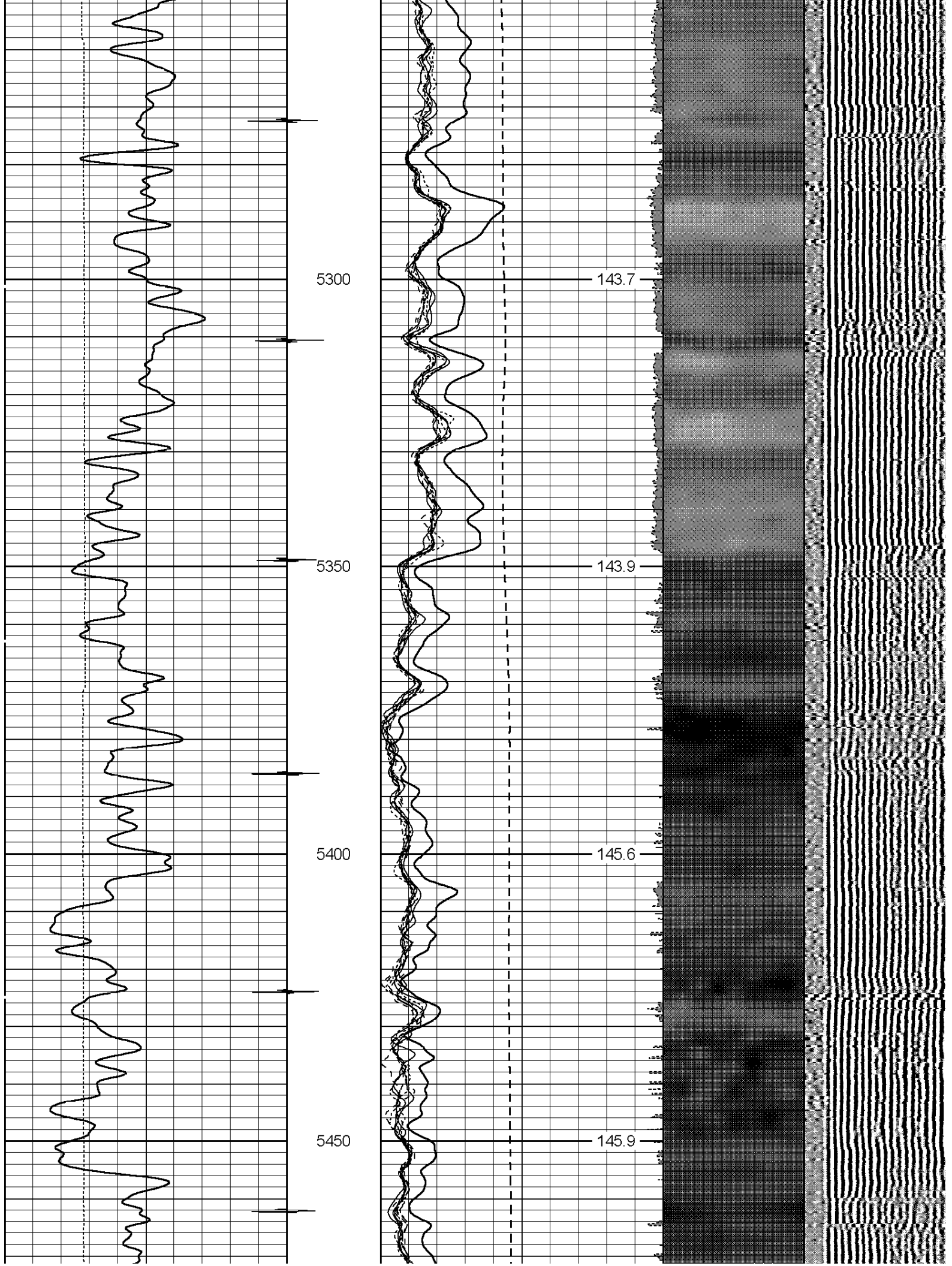




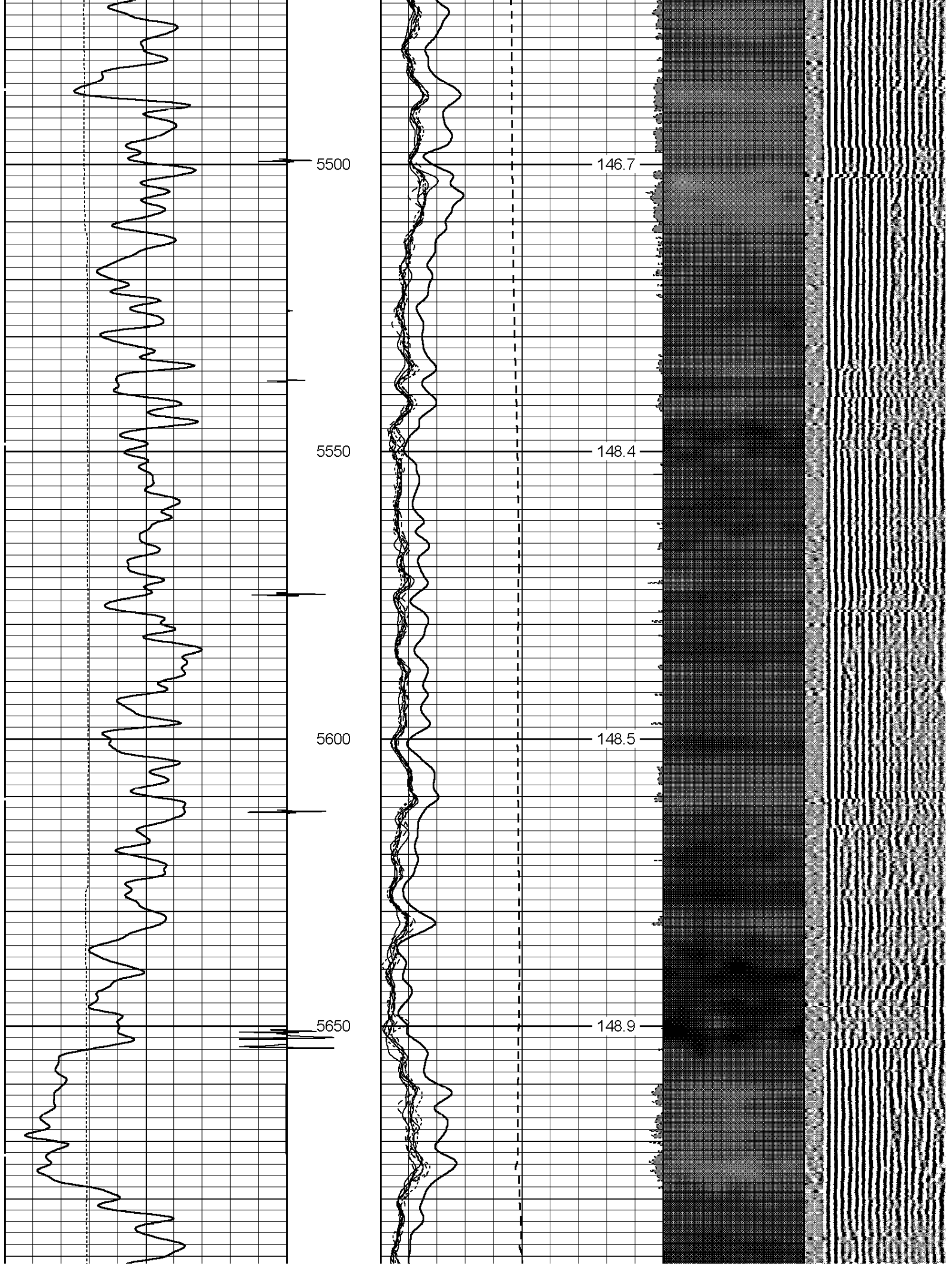


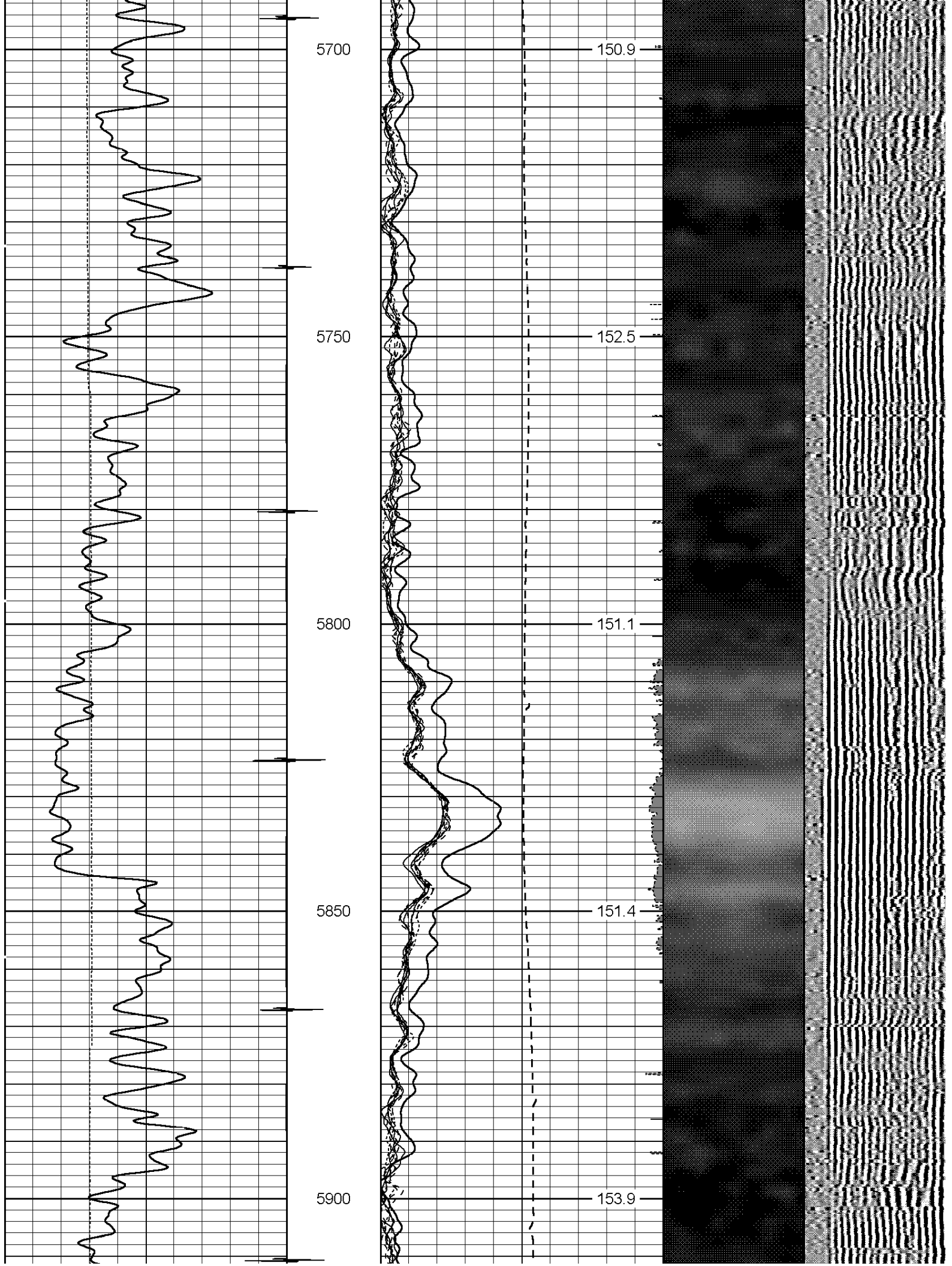


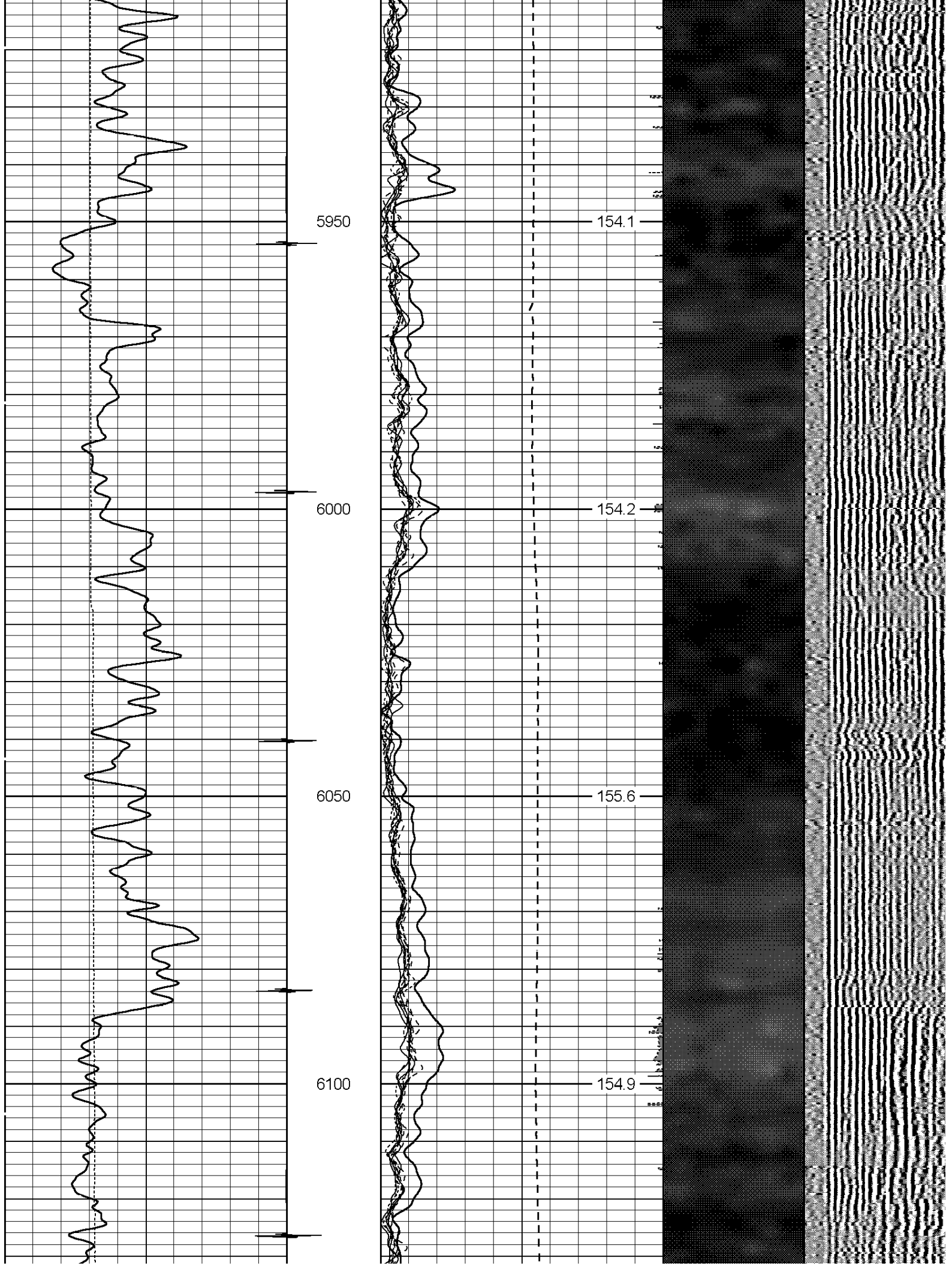


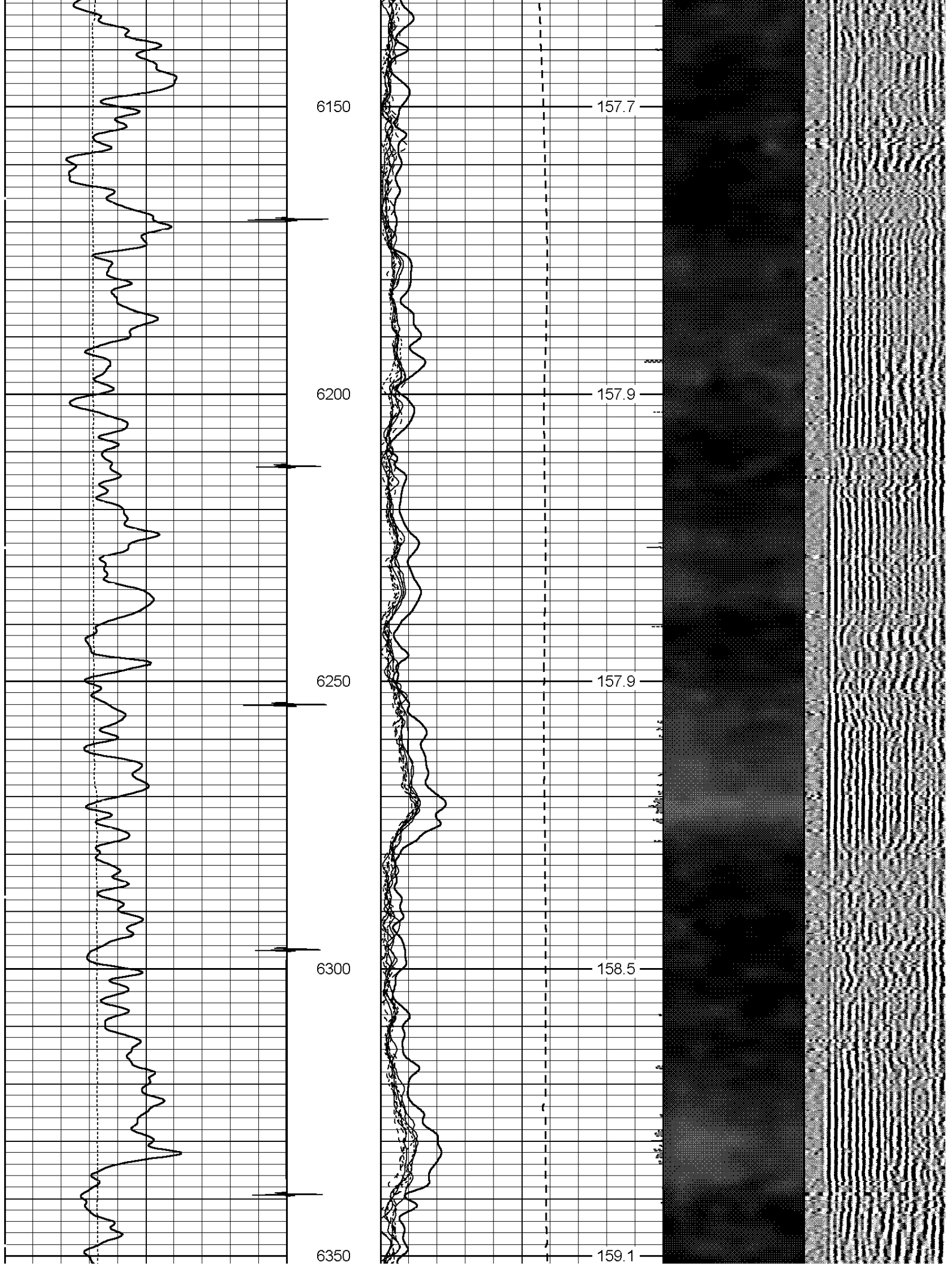


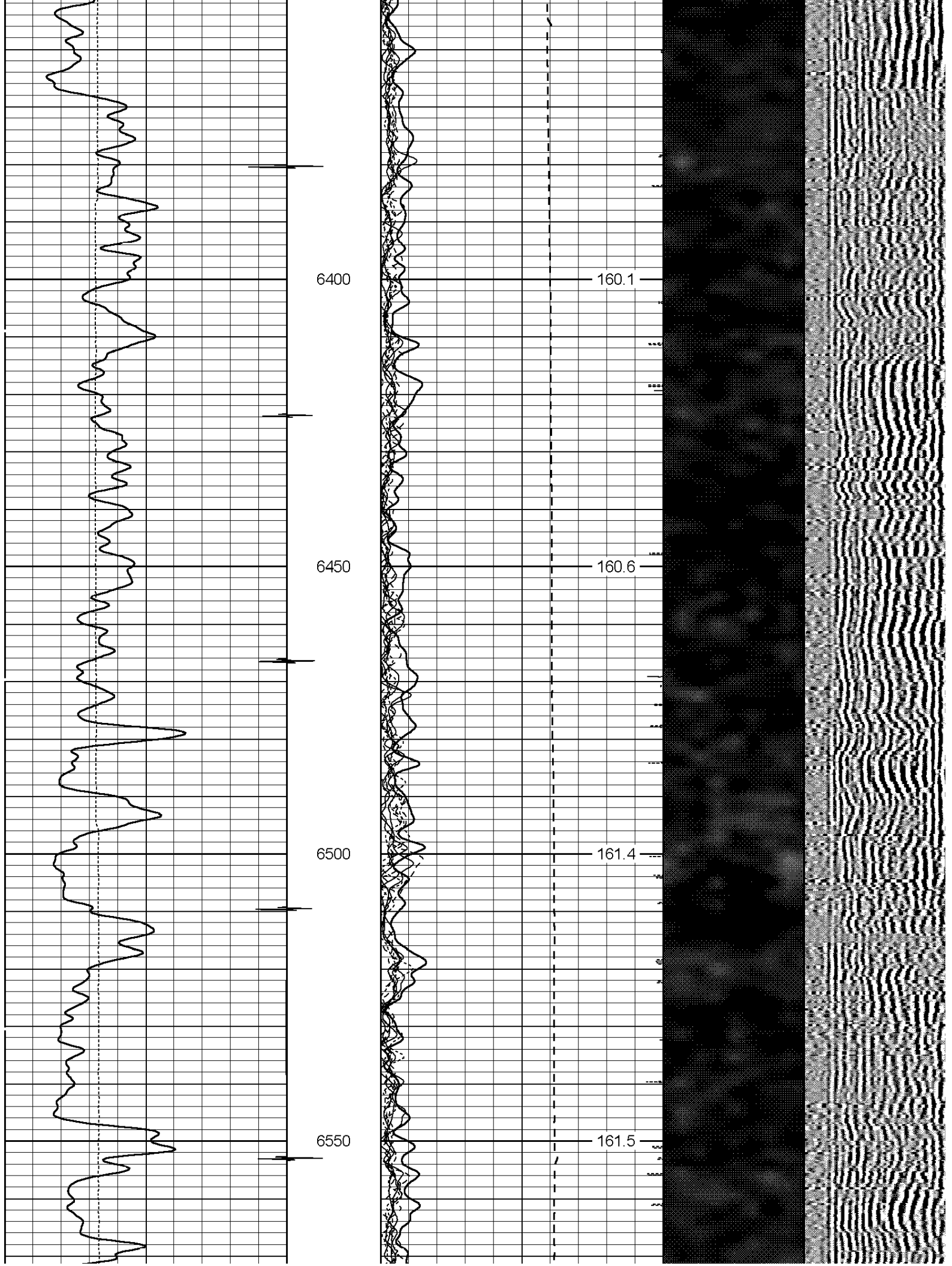




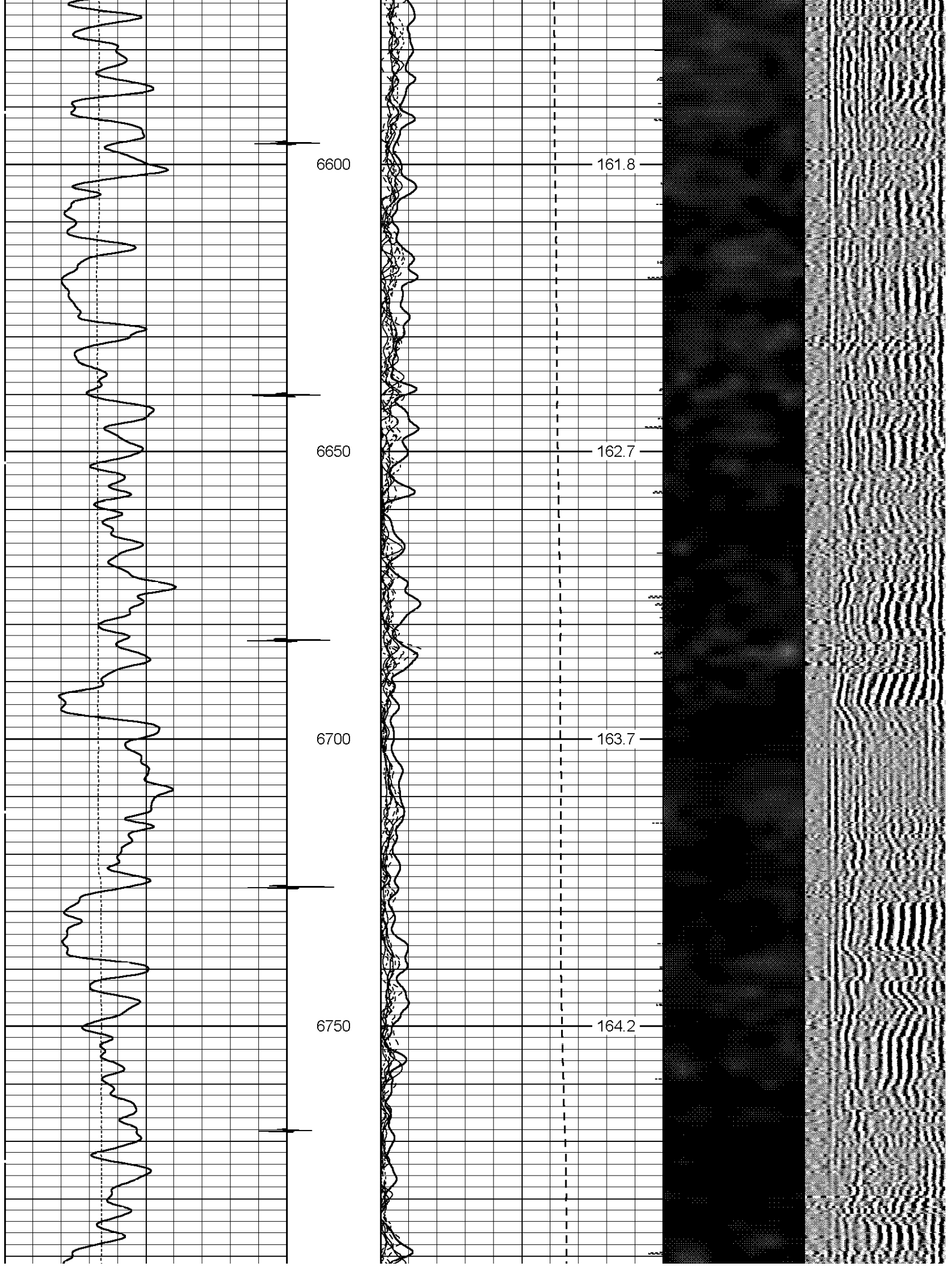


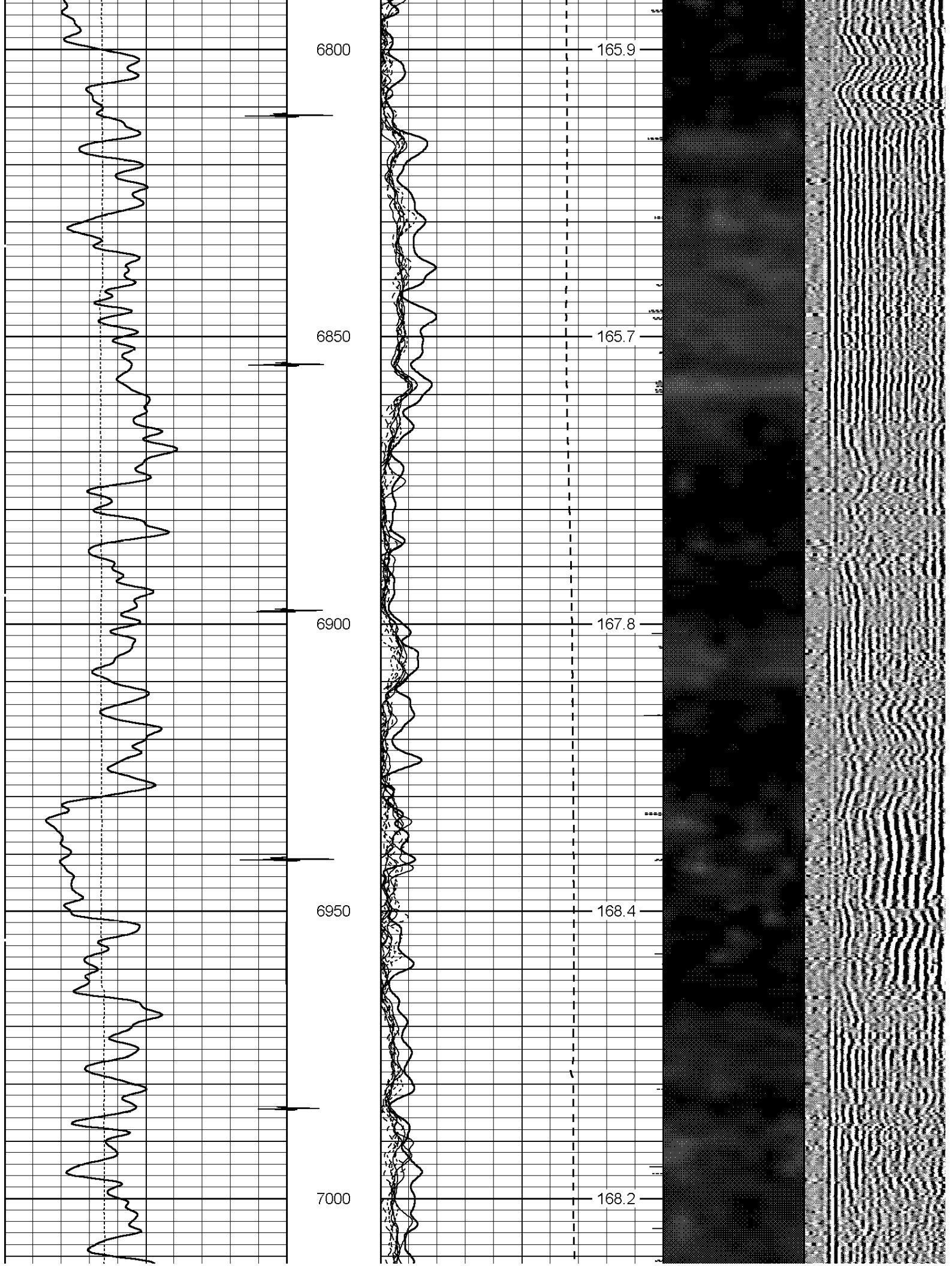


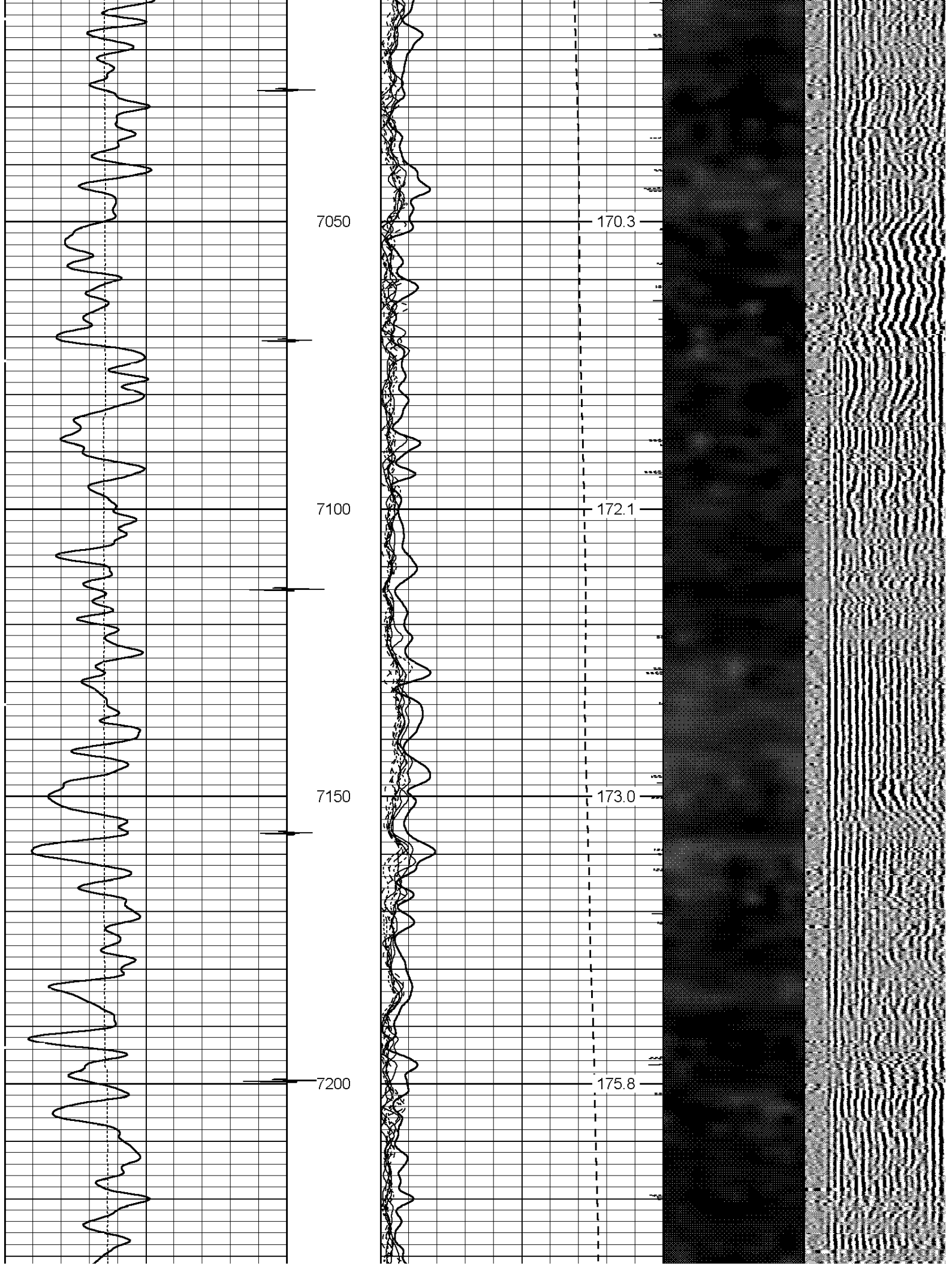


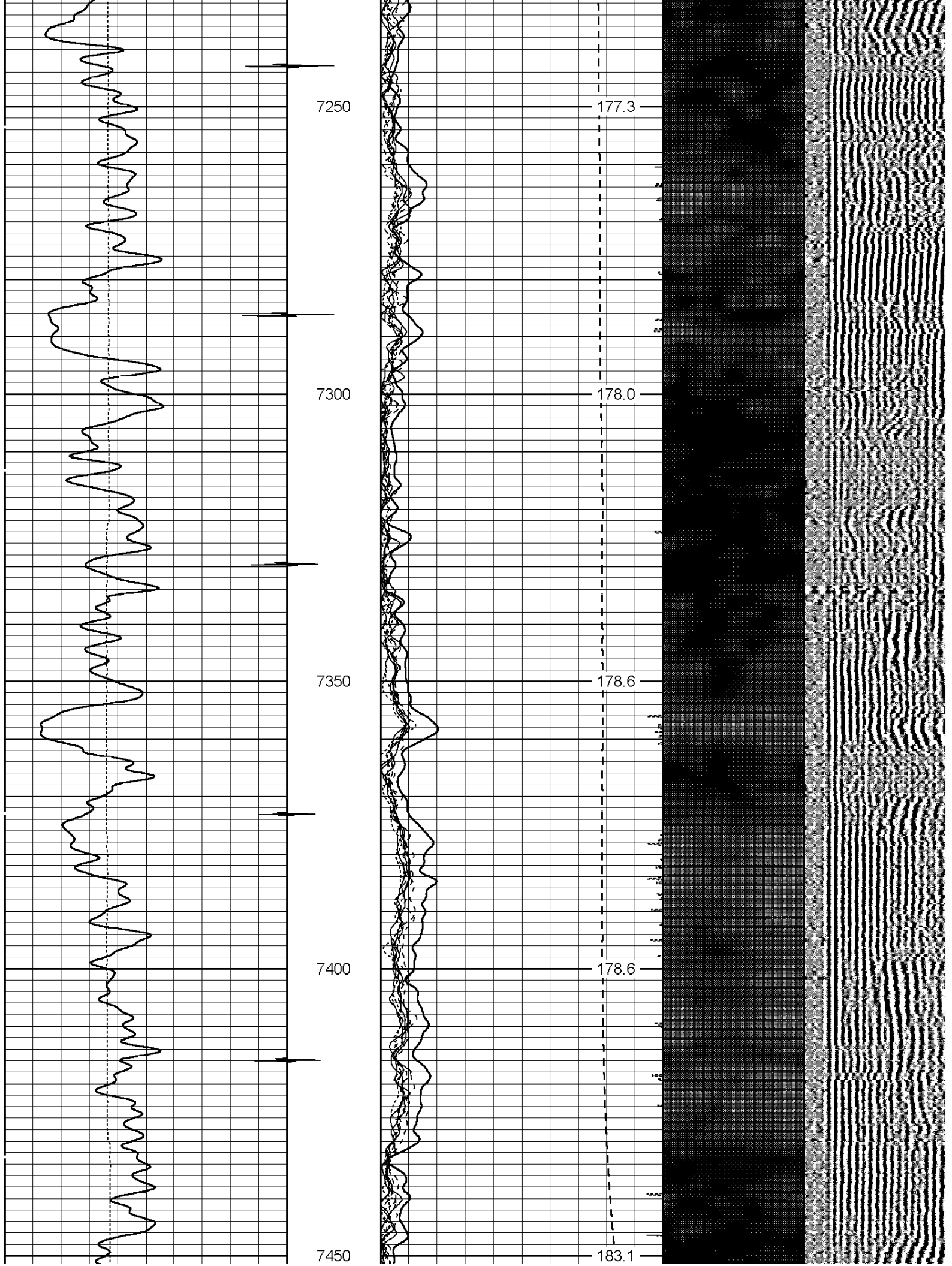


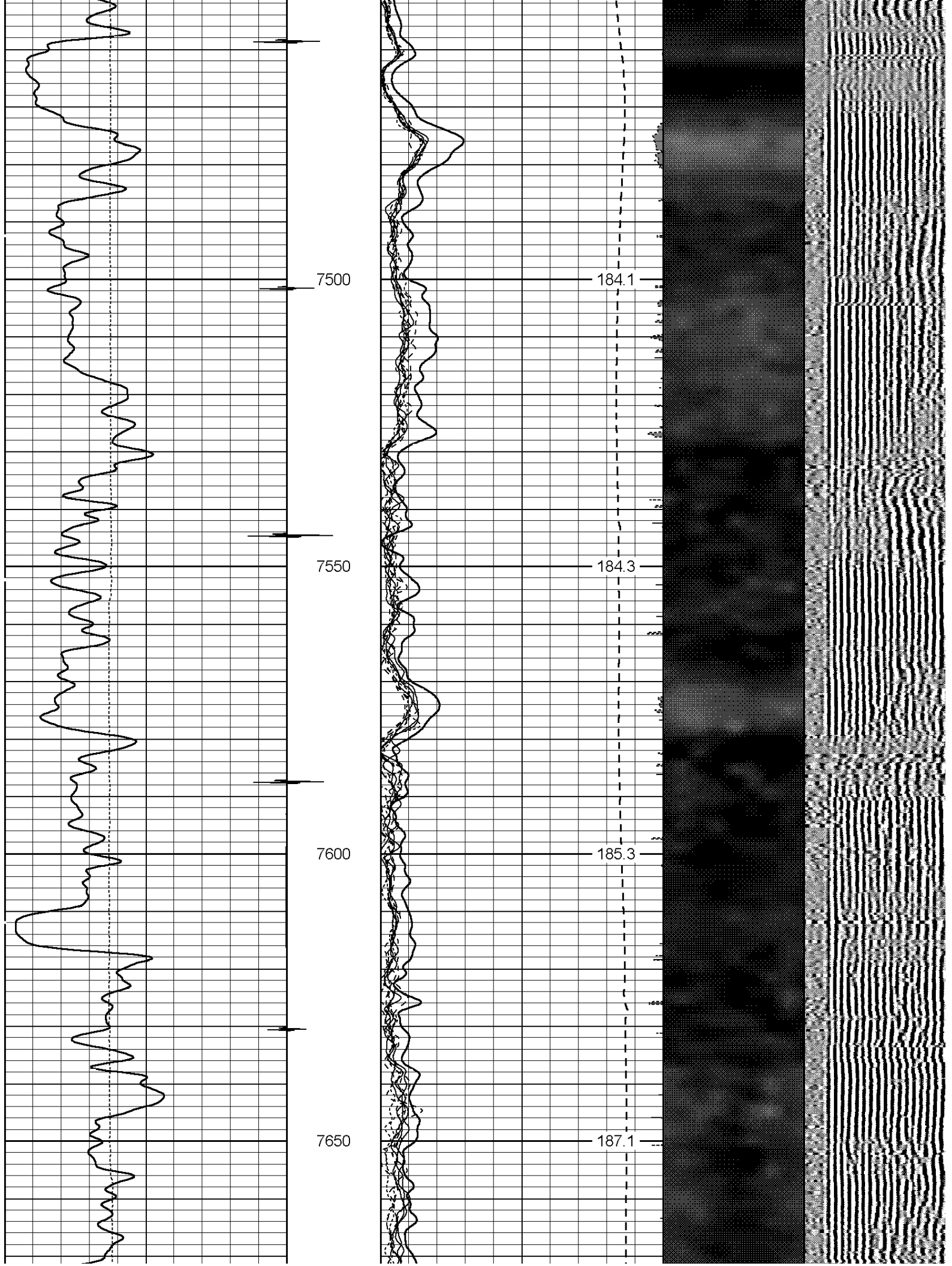




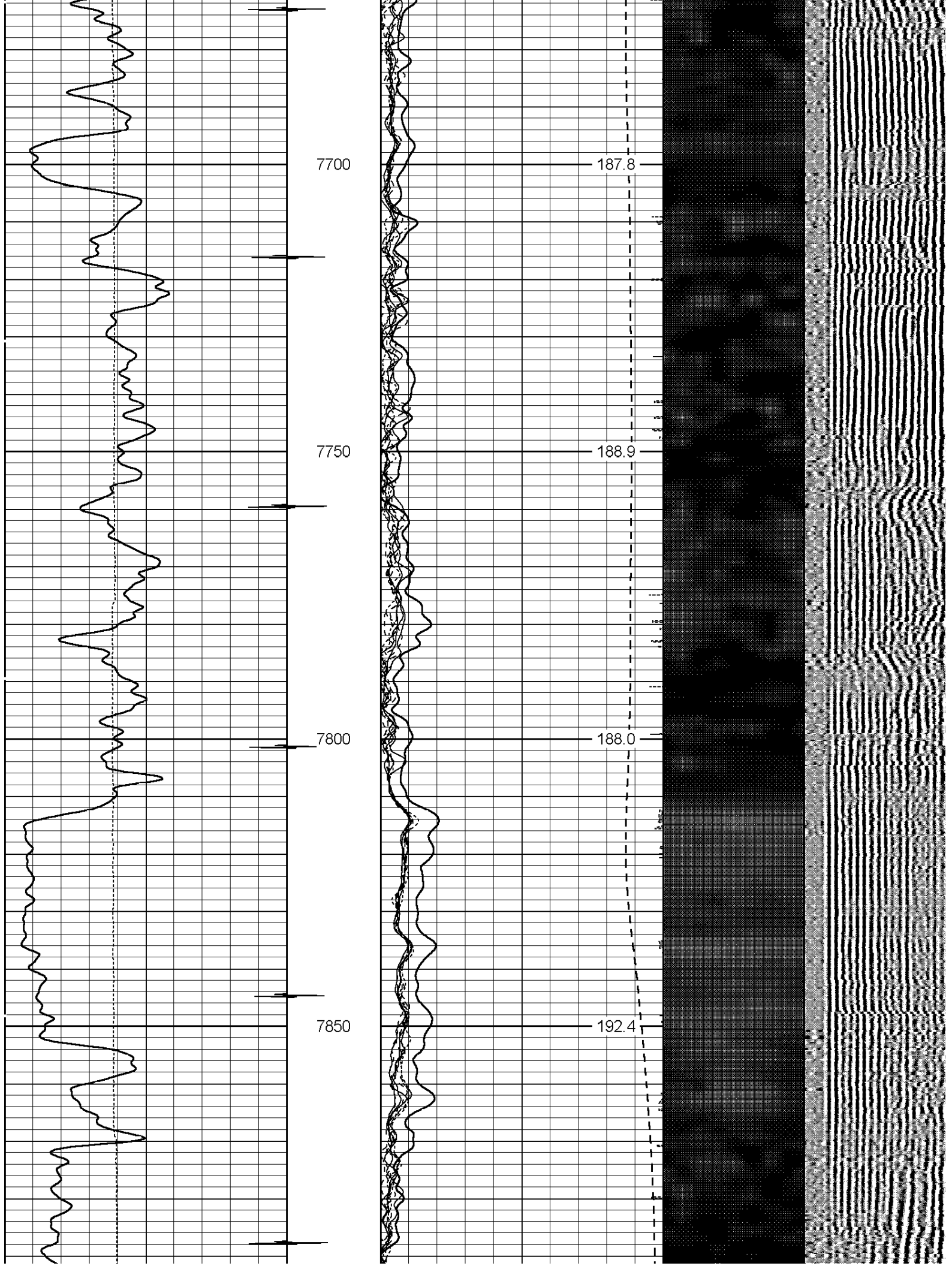


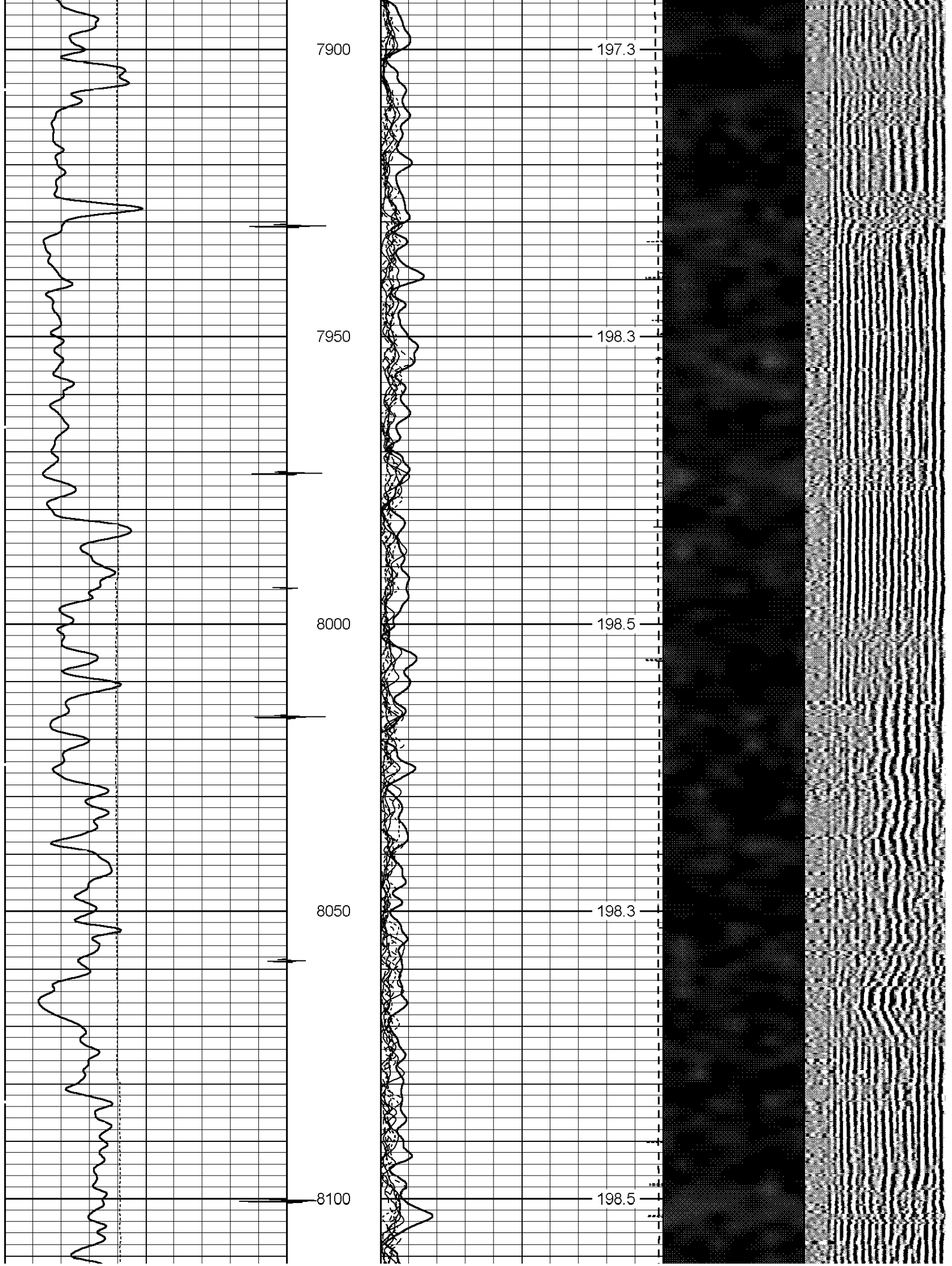


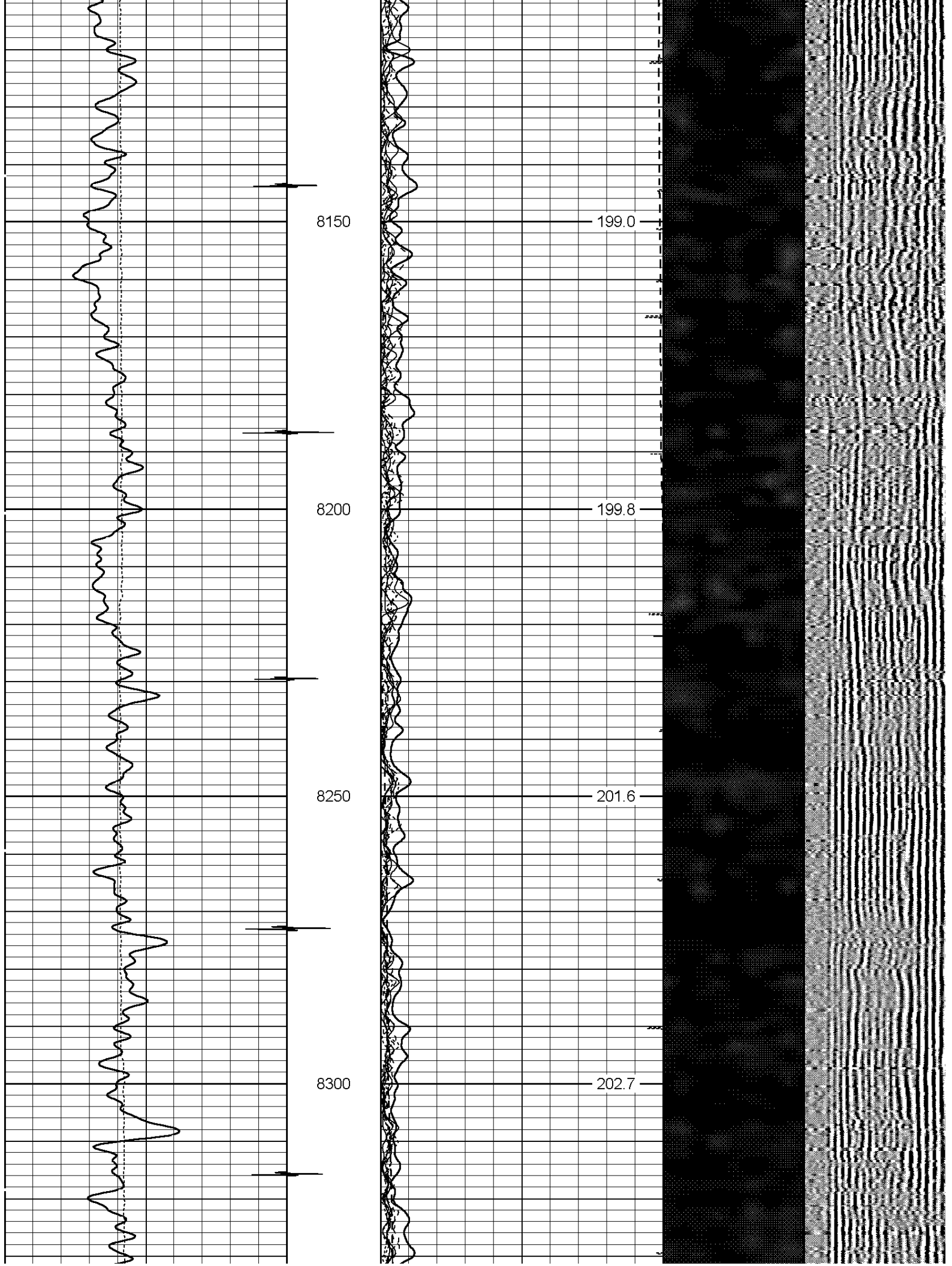


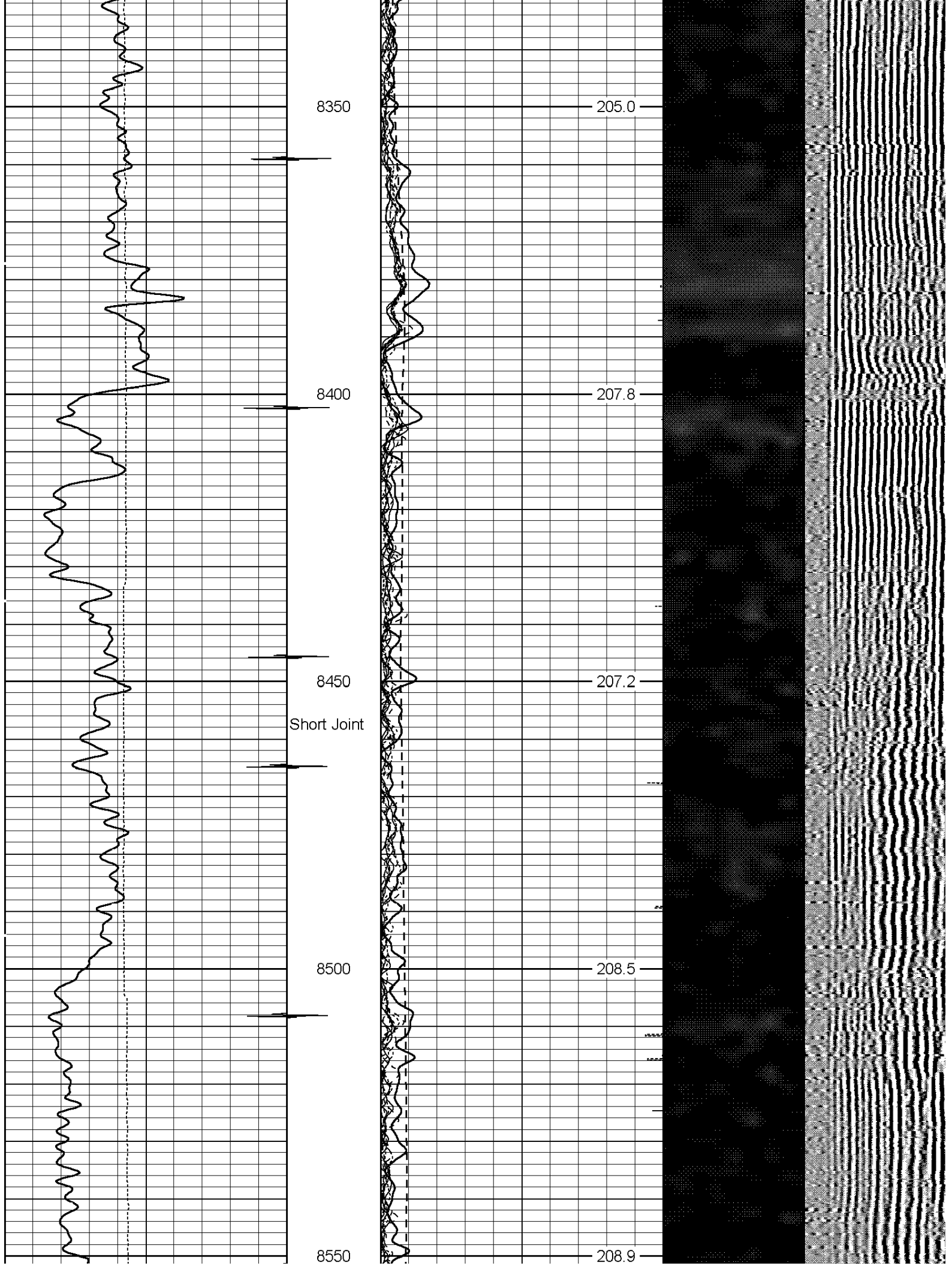


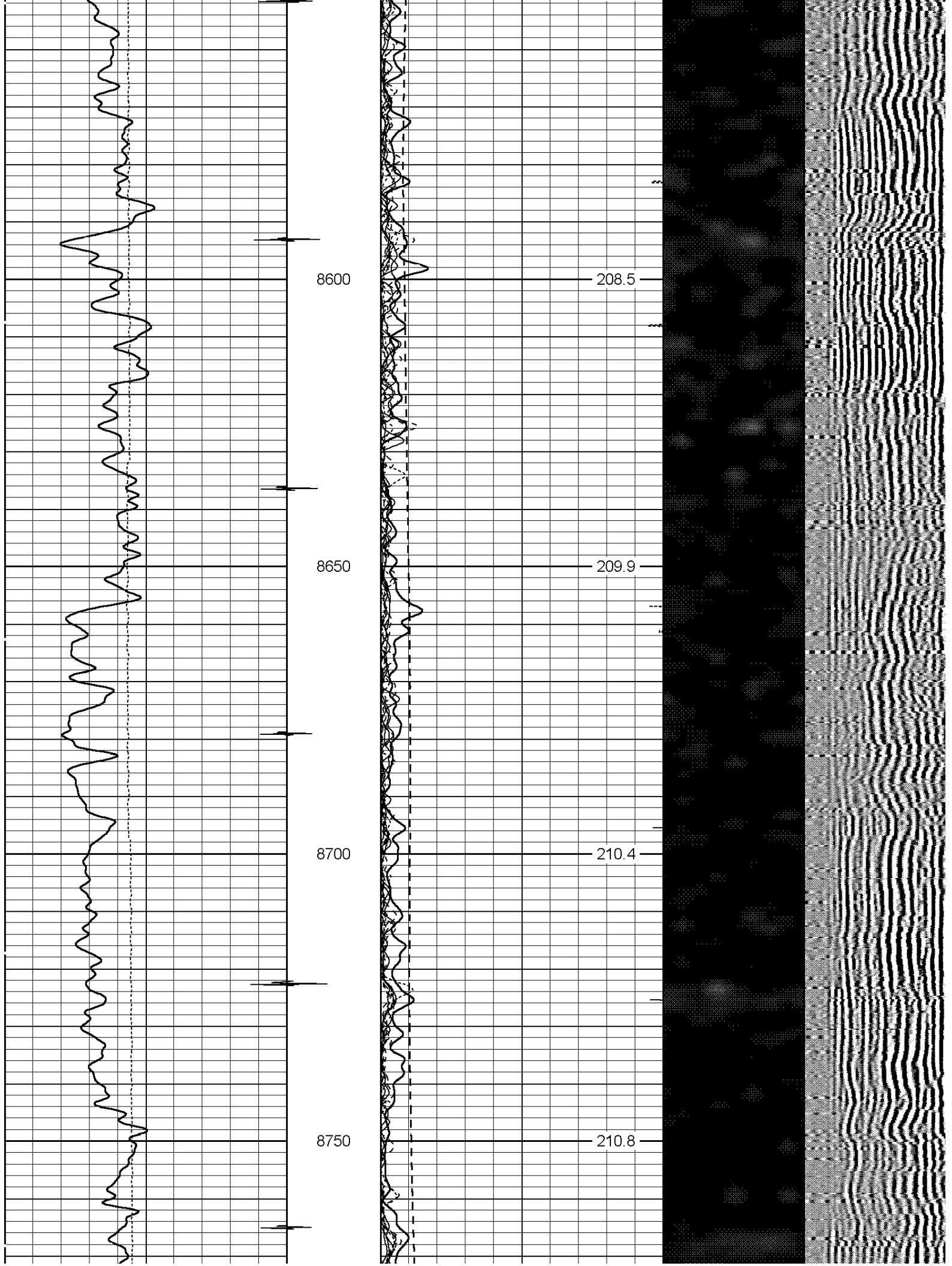




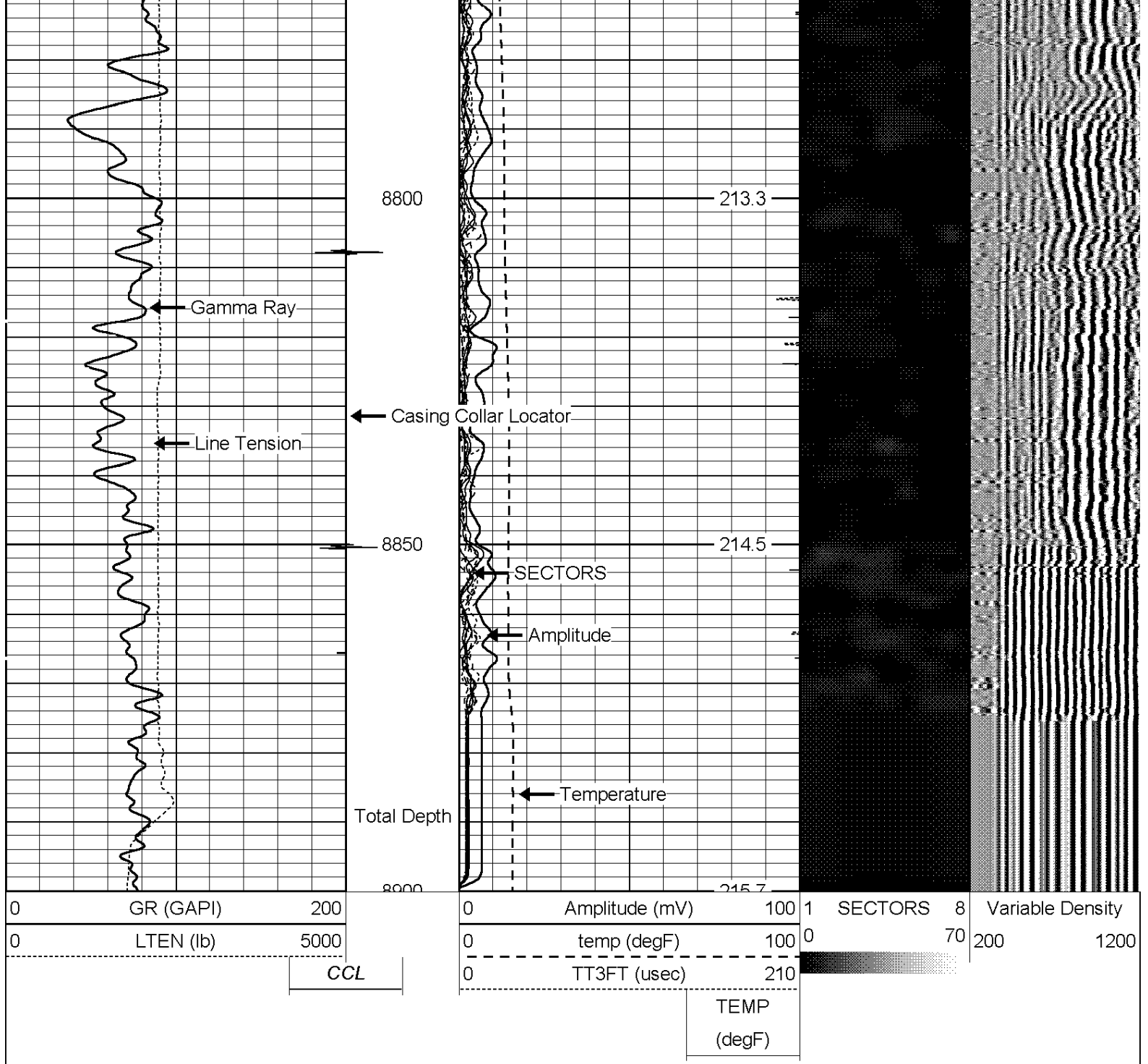


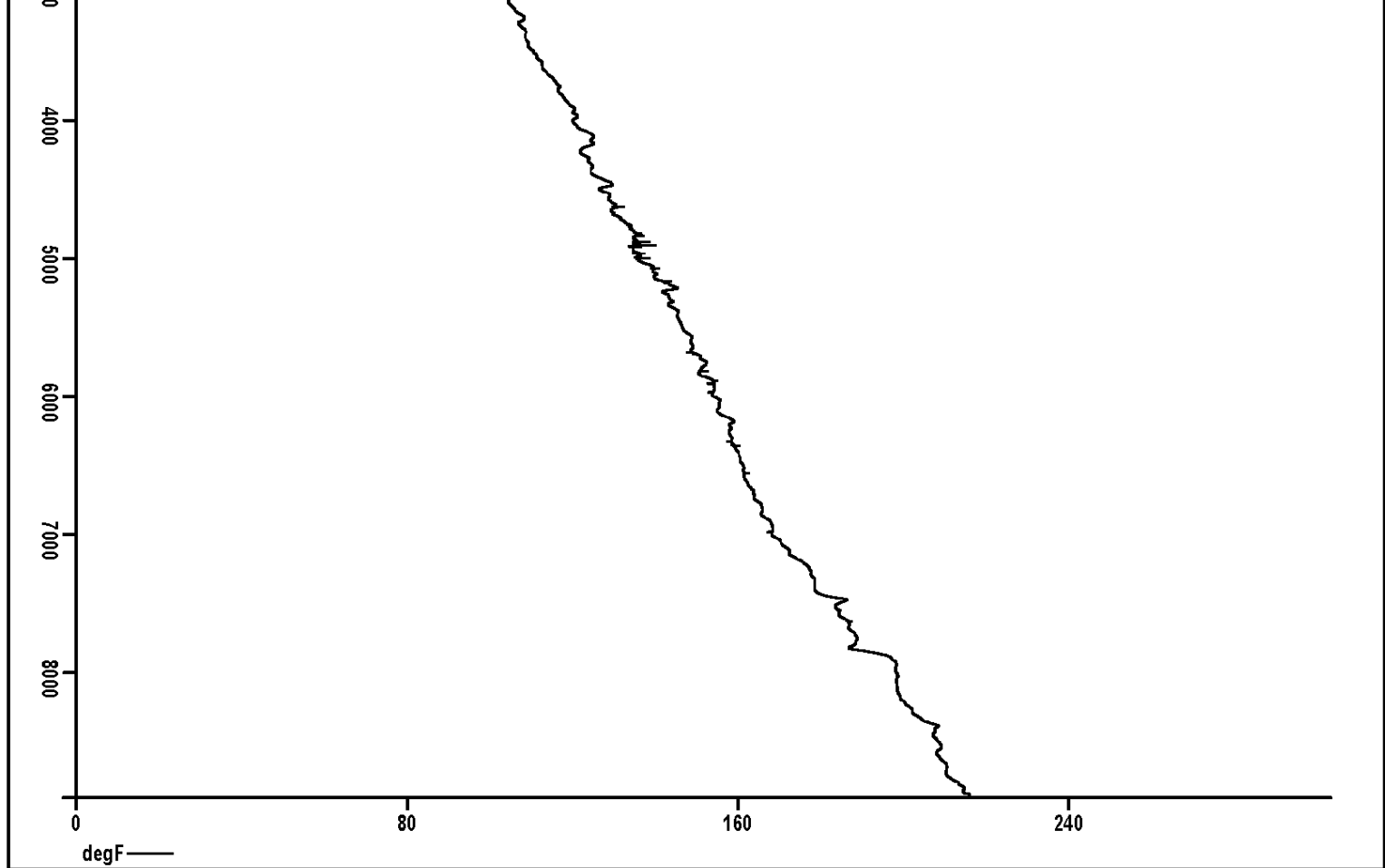












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