



# CEMENT BOND LOG

Company ANTERO RESOURCES CORPORATION  
Well DEVER C4  
Field MAMM CREEK  
County GARFIELD  
State COLORADO

Company ANTERO RESOURCES CORPORATION  
Well DEVER C4  
Field MAMM CREEK  
County GARFIELD State COLORADO

Location: API # 05045149420000

SWNW SEC-17 - T06S - R92W

Other Services  
NONE

SEC: 17 TWP: 06S RGE: 92W

Permanent Datum GROUNDED LEVEL Elevation 5585'  
Log Measured From KELLY BUSHING = 22 FT  
Drilling Measured From KELLY BUSHING

Elevation  
K.B. 5807'  
D.F. 5606'  
G.L. 5585'

Date 29 FEB 2008

Run Number	ONE	
Depth Driller	9014'	
Depth Logger	8949'	
Bottom Logged Interval	8949'	
Top Log Interval	SURFACE	
Open Hole Size	7.875"	
Type Fluid	WATER	
Density / Viscosity	~8.34#	
Max. Recorded Temp.	229 DEG F	
Estimated Cement Top	3630'	
Time Well Ready	N/A	
Time Logger on Bottom	N/A	
Equipment Number	FL0601/RBT01	
Location	GEAND JUNCTION	
Recorded By	D. SOLIS	
Witnessed By	D. DAVIS	

Borehole Record			Tubing Record				
Run Number	Bit	From	To	Size	Weight	From	To
ONE	16.0"	SURFACE	50'				
TWO	12.25"	50'	920'				
THREE	7.875"	920'	9014'				

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"	24.0#	SURFACE	920'
Prot. String				
Production String	5.5"	17.0#	SURFACE	9014'
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

CBL-GR-TEMP RAN IN COMBINATION.  
NO LOGS AVAILABLE TO CORRELATE WITH.  
SHORT JOINTS @: 5107' TO 5126' AND 8524' TO 8543'.

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



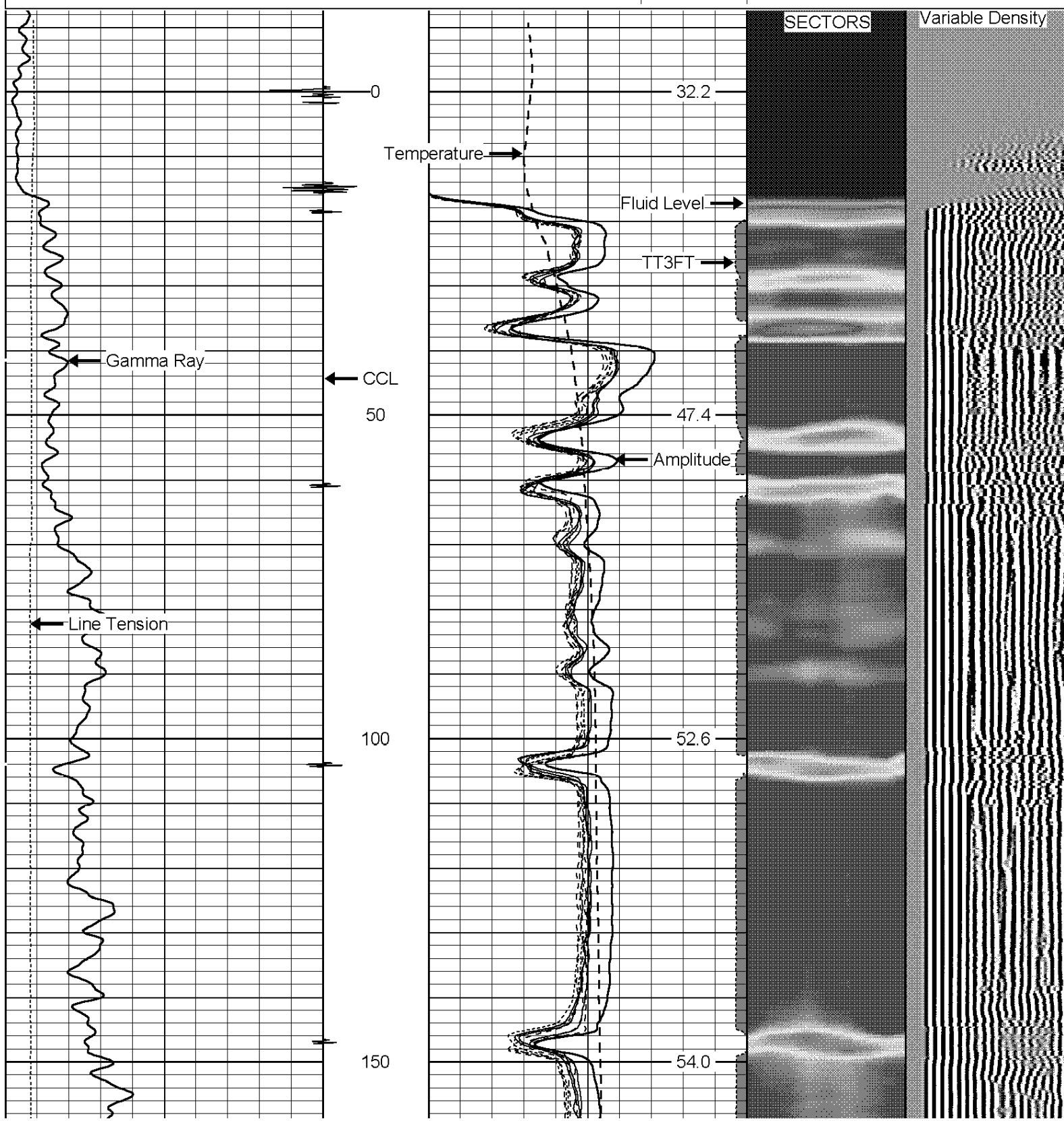
## MAIN LOG SECTION

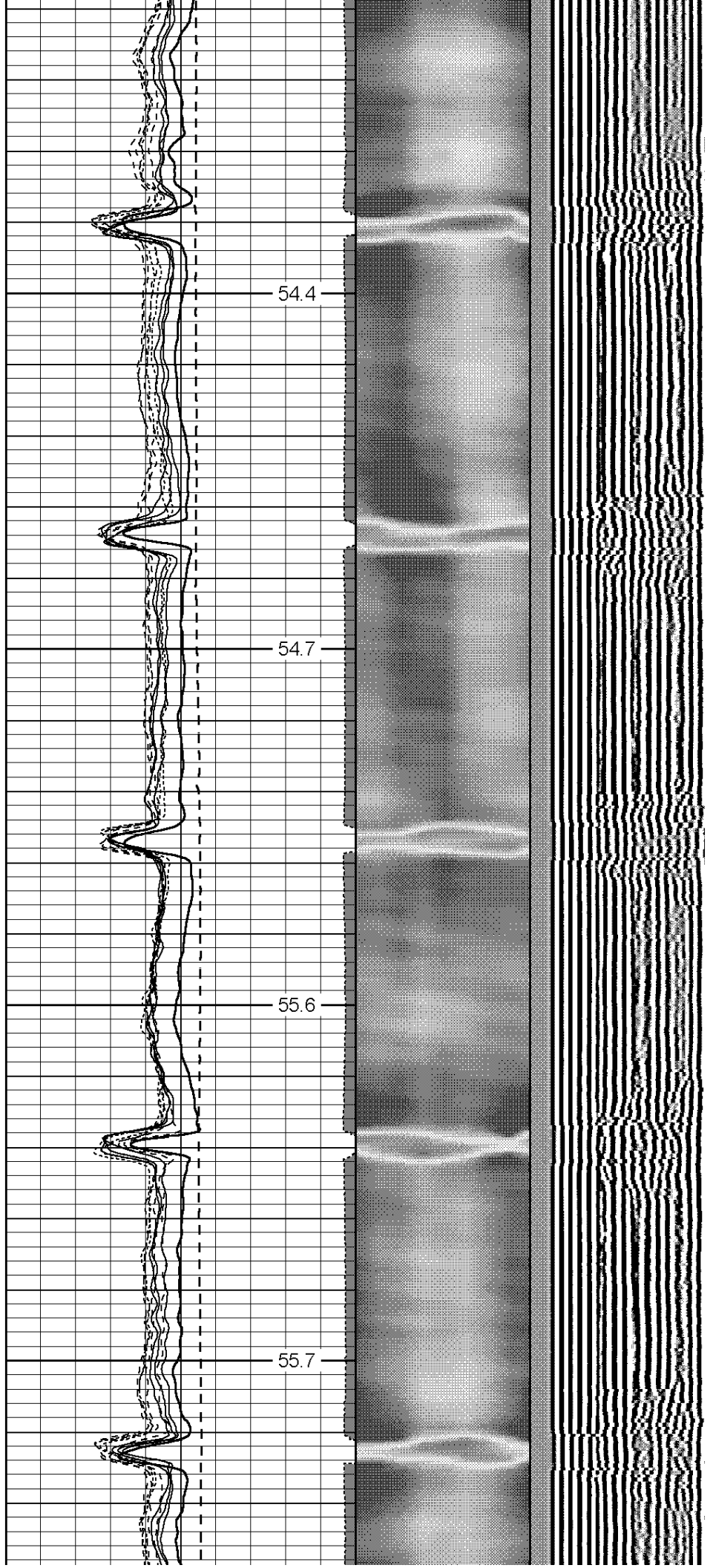
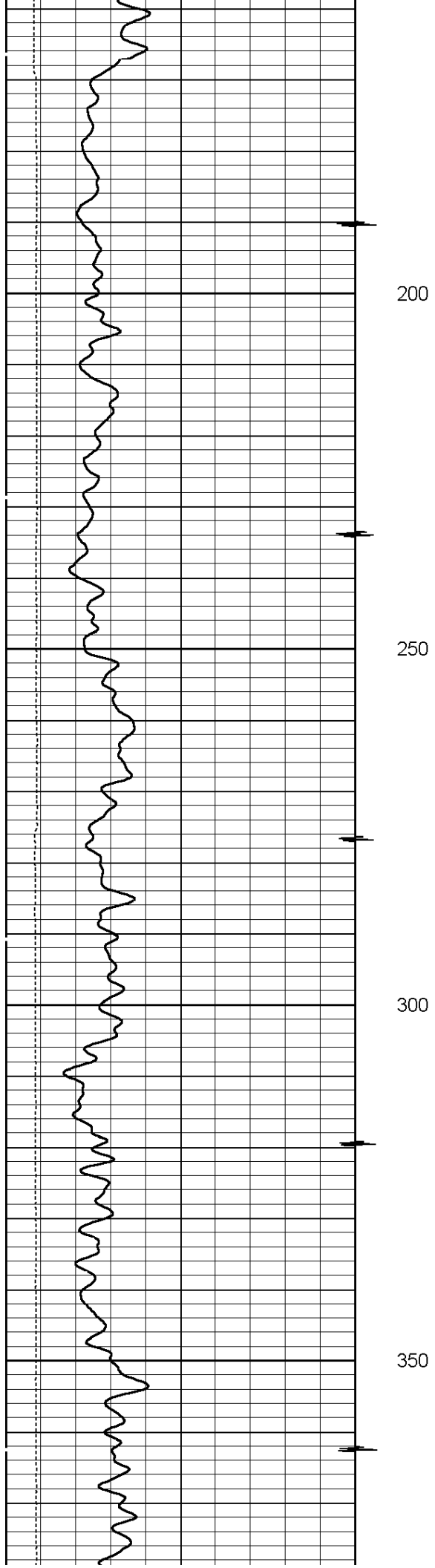
5" = 100'

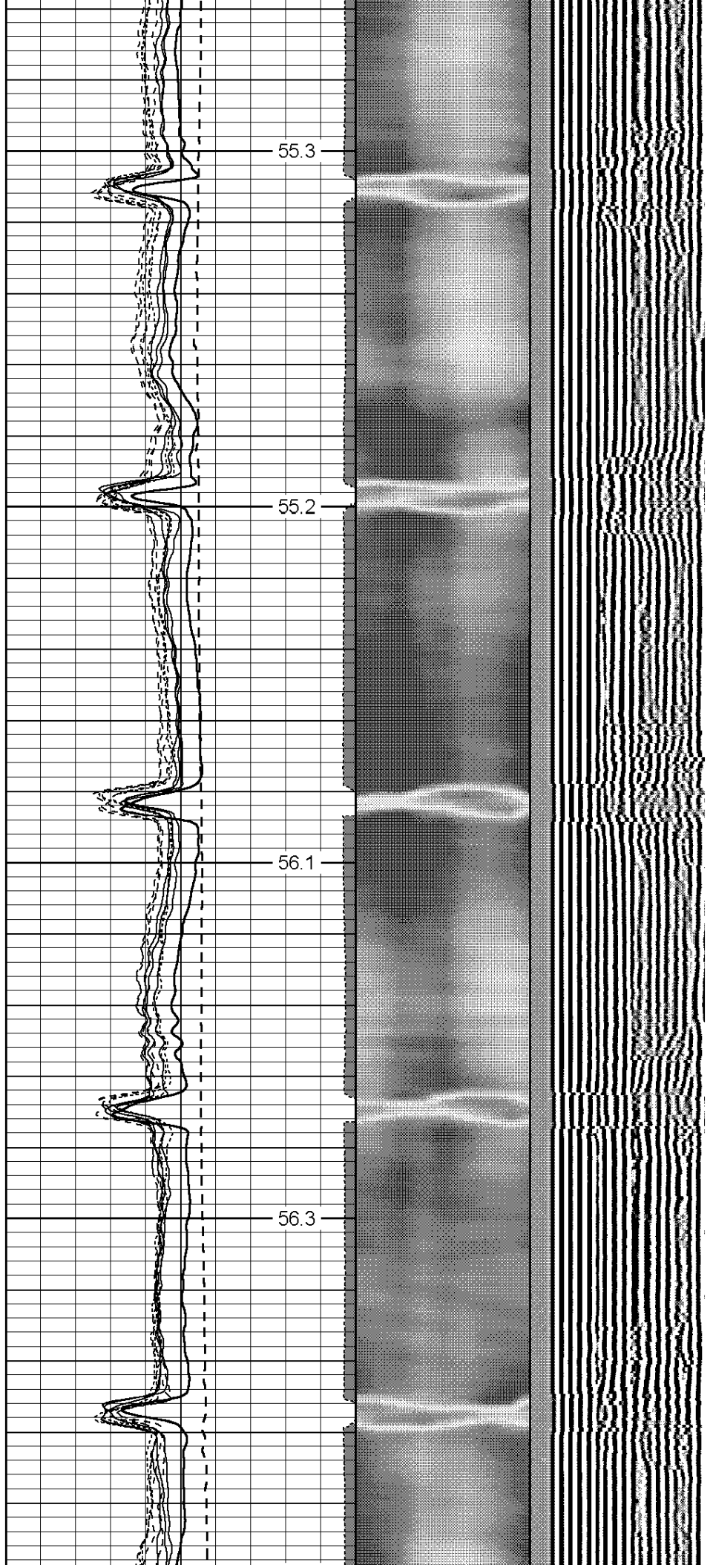
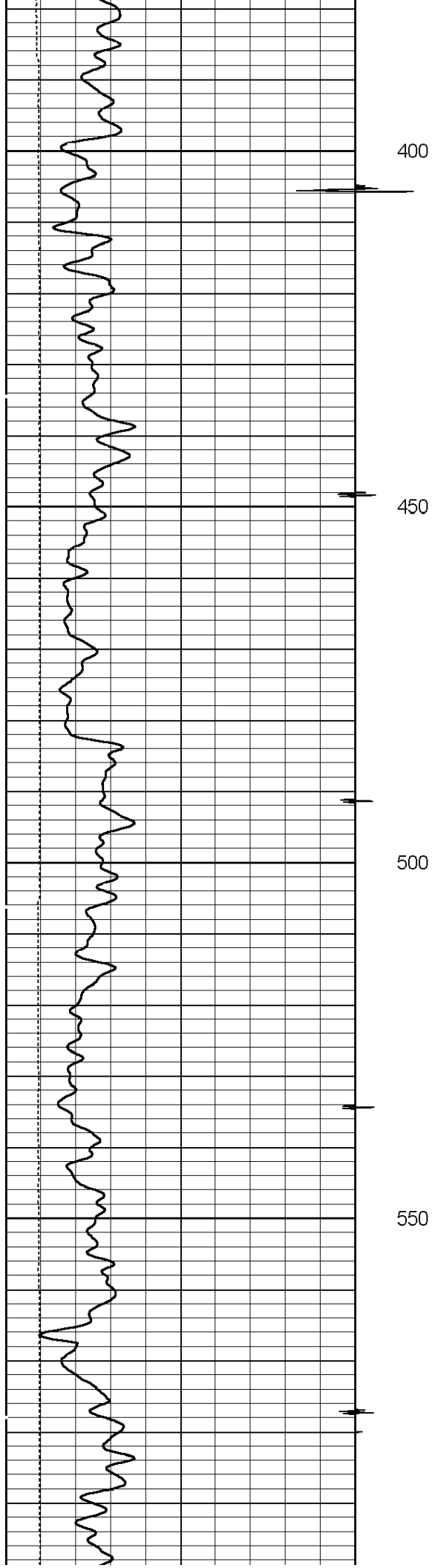
# Mesa Wireline

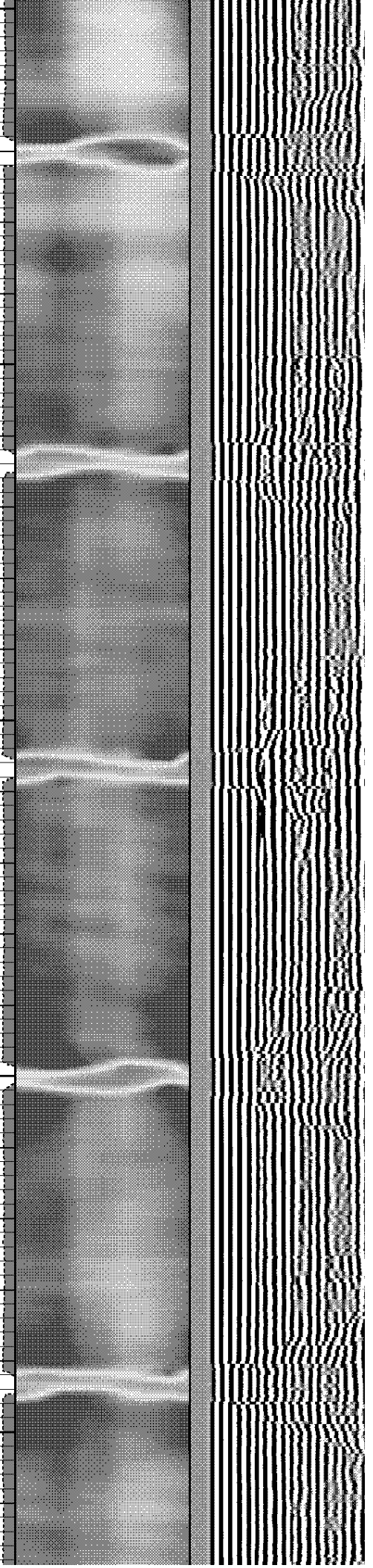
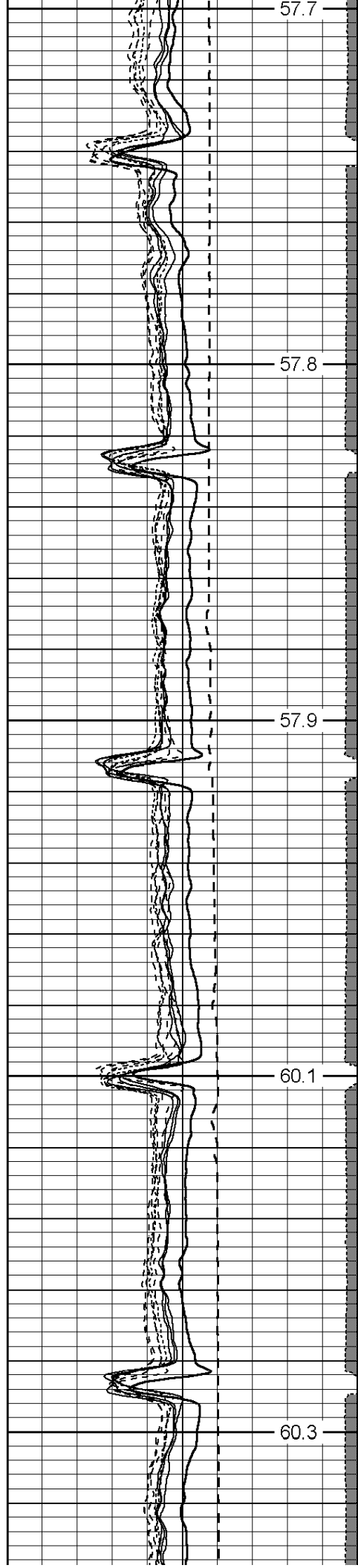
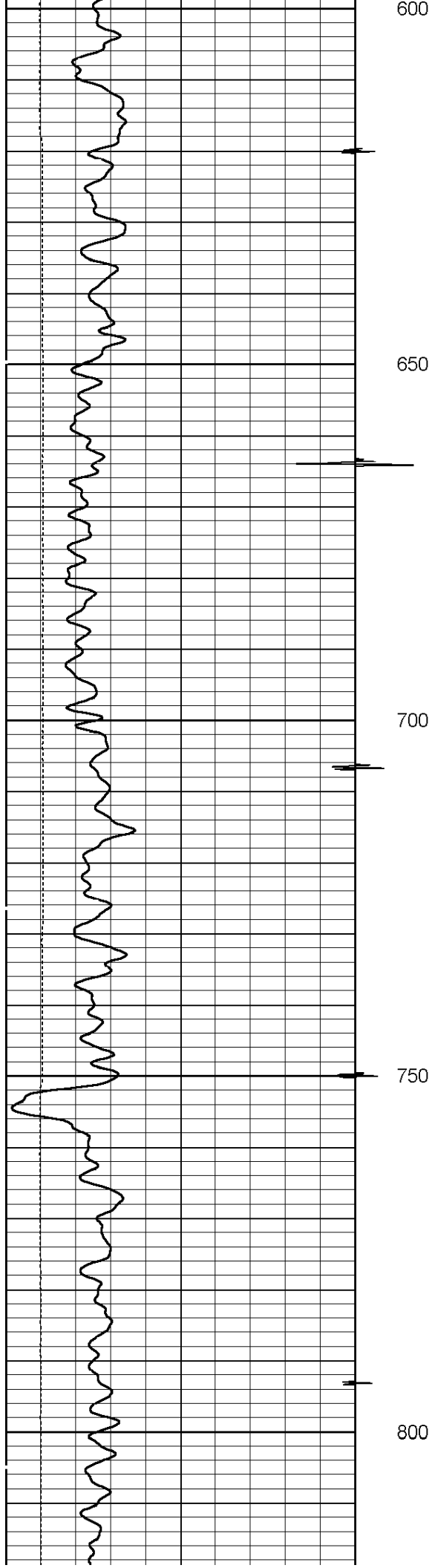
Database File: a\_dev3cbl.db  
 Dataset Pathname: pass5  
 Presentation Format: rbtfinal  
 Dataset Creation: Fri Feb 29 15:32:06 2008 by Log Std Casedhole 07122  
 Charted by: Depth in Feet scaled 1:240

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
		CCL	0	TT3FT (usec)	212					
				TEMP						
				(degF)						

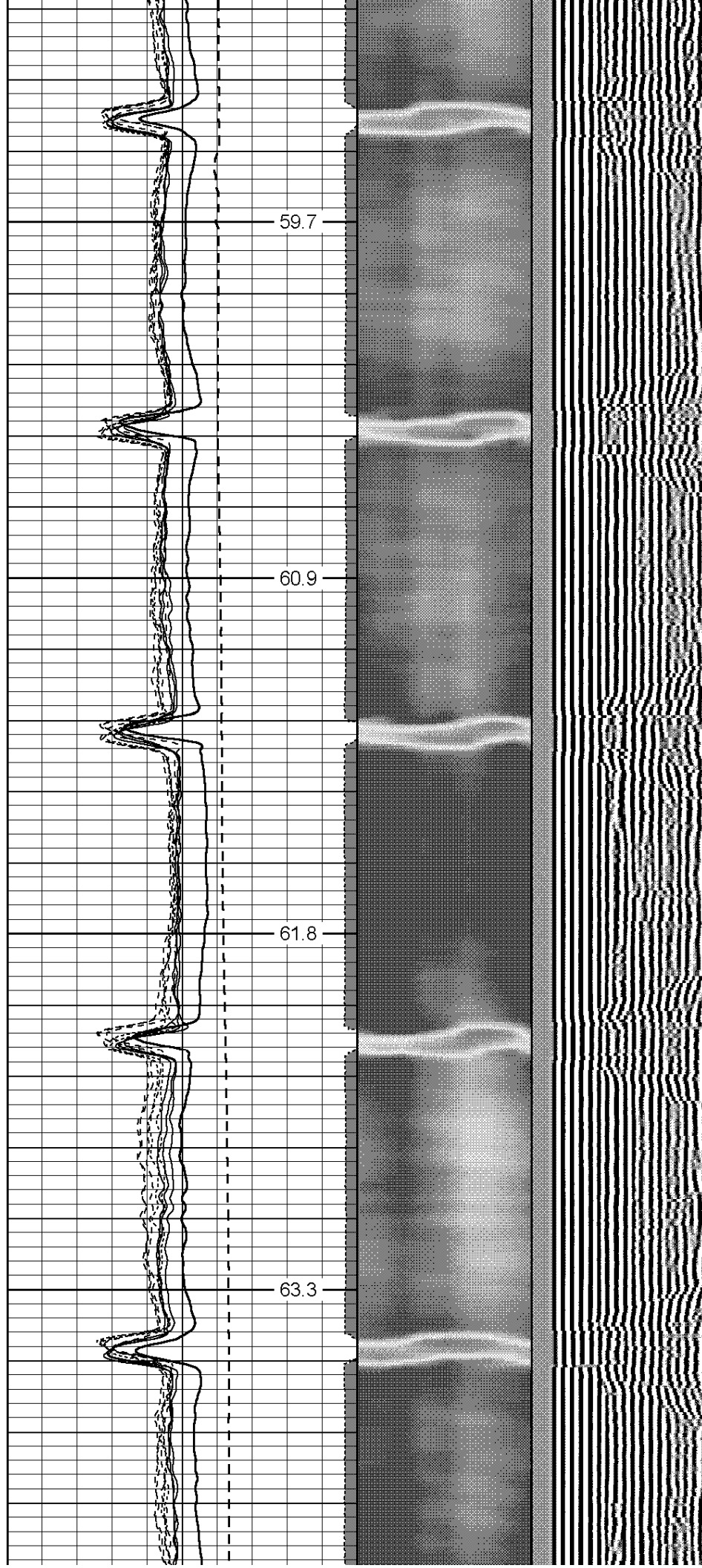
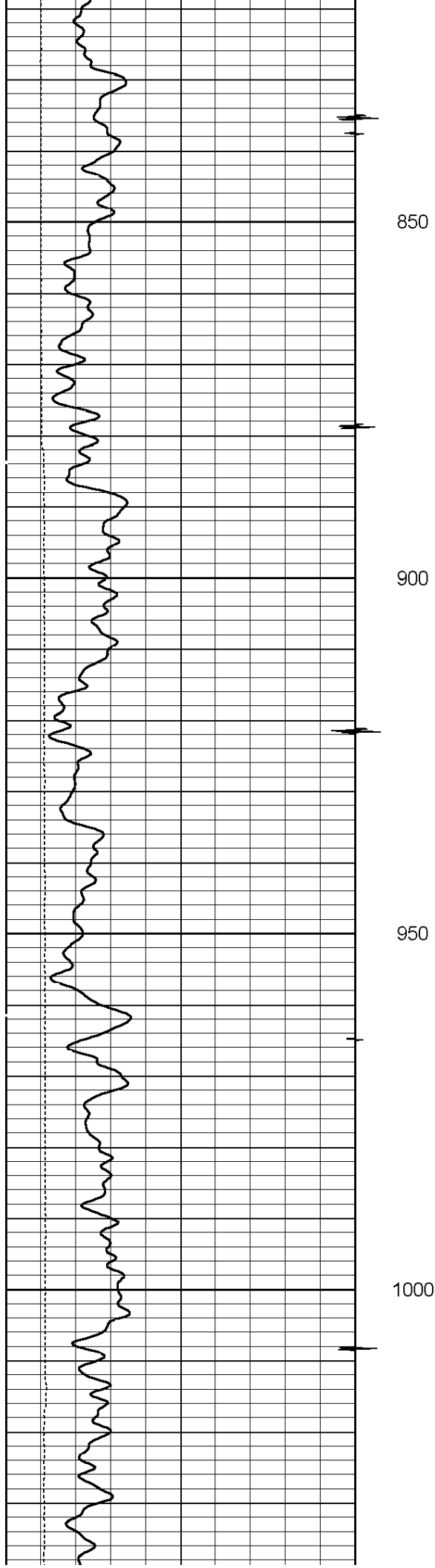


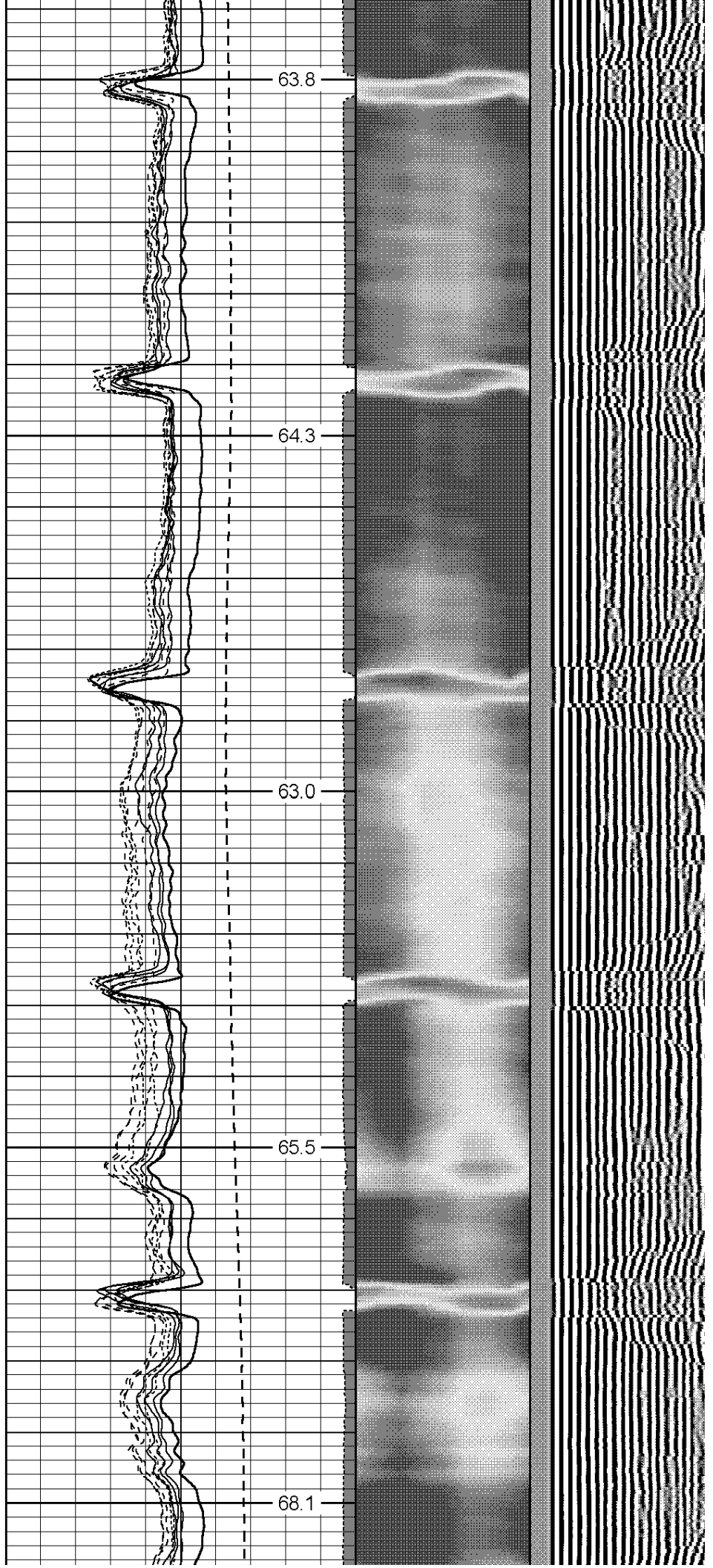
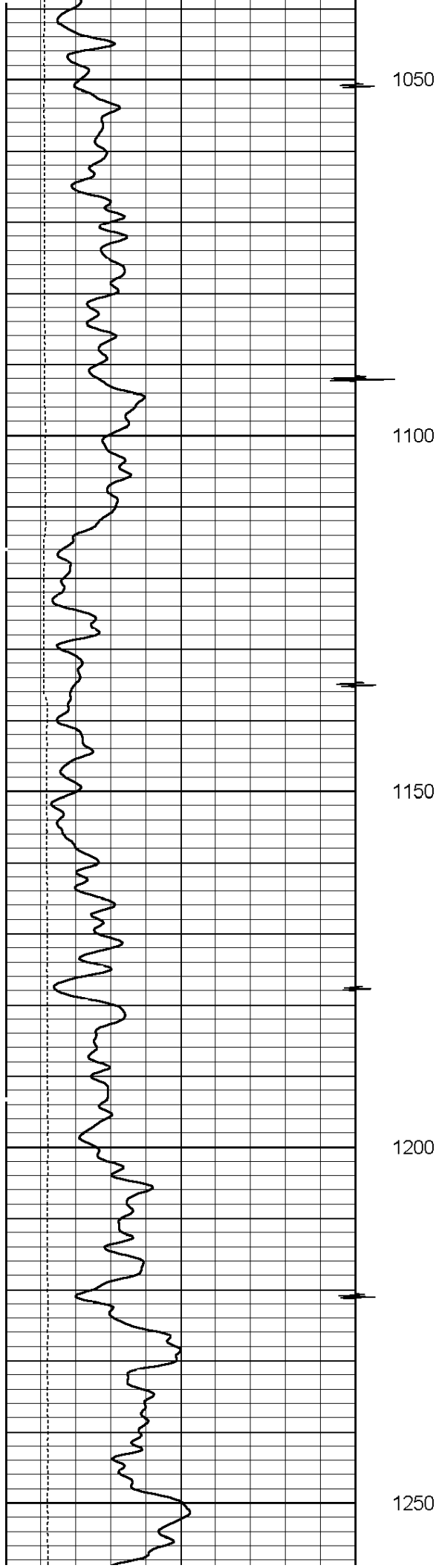


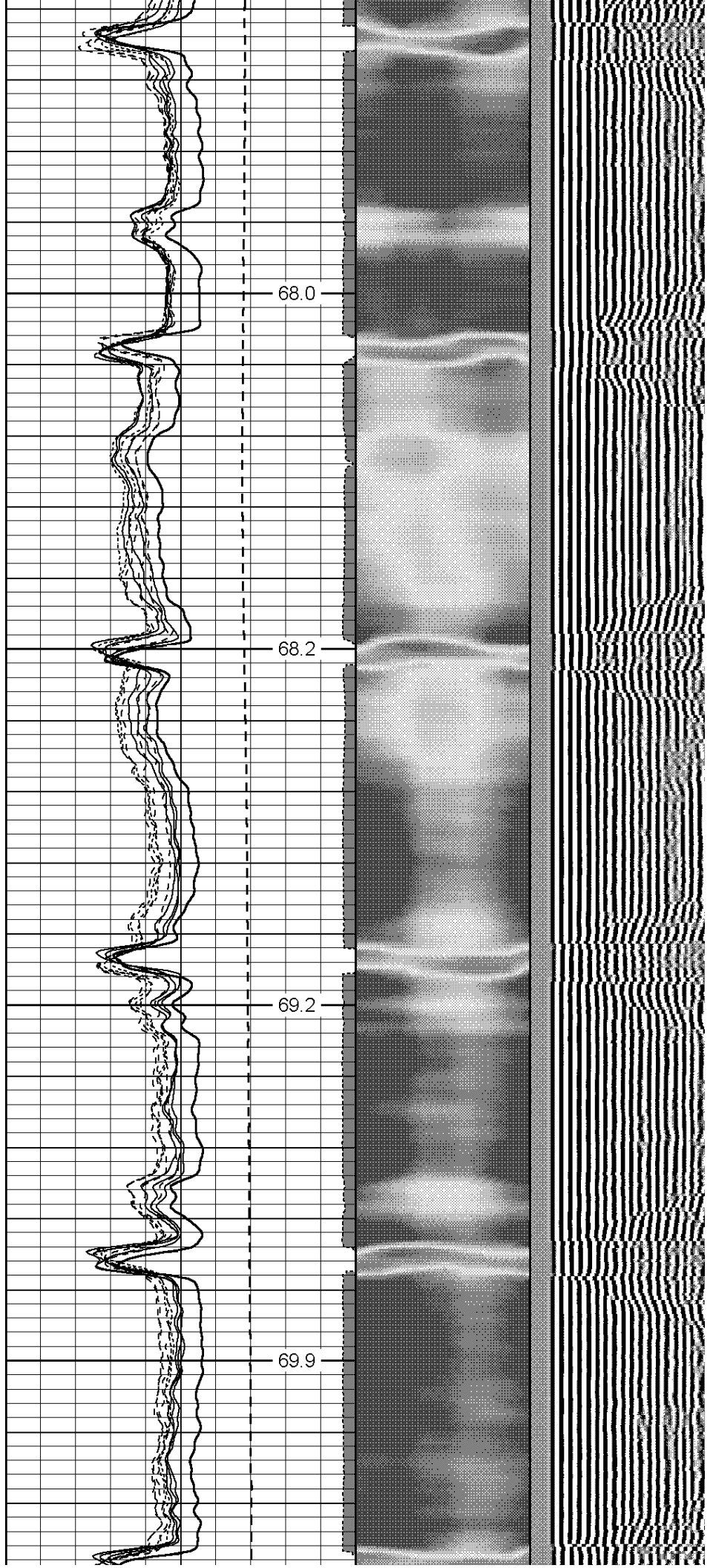
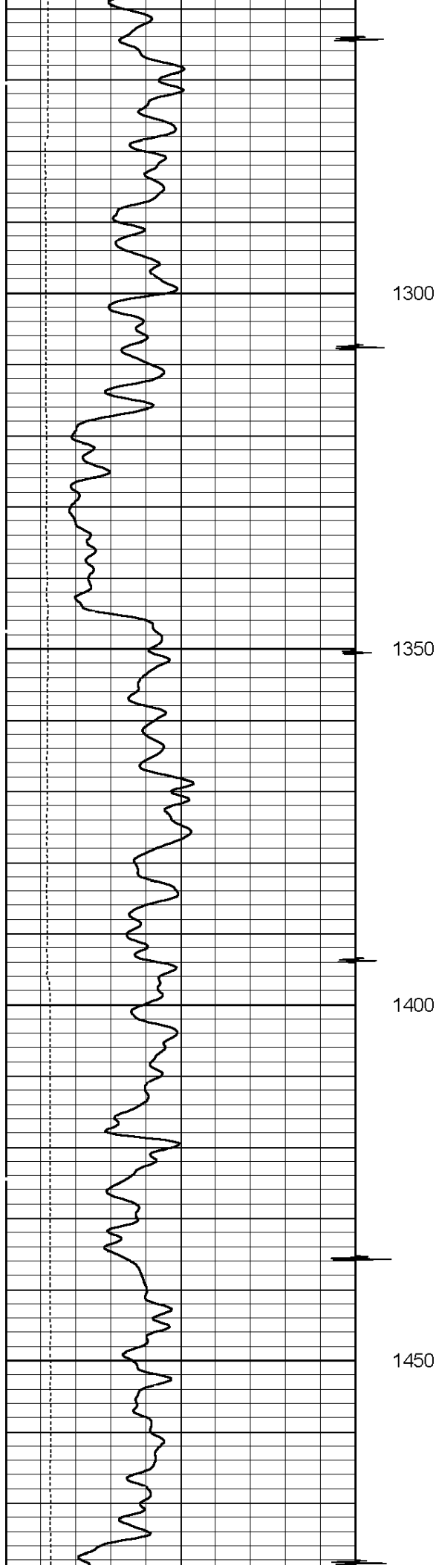




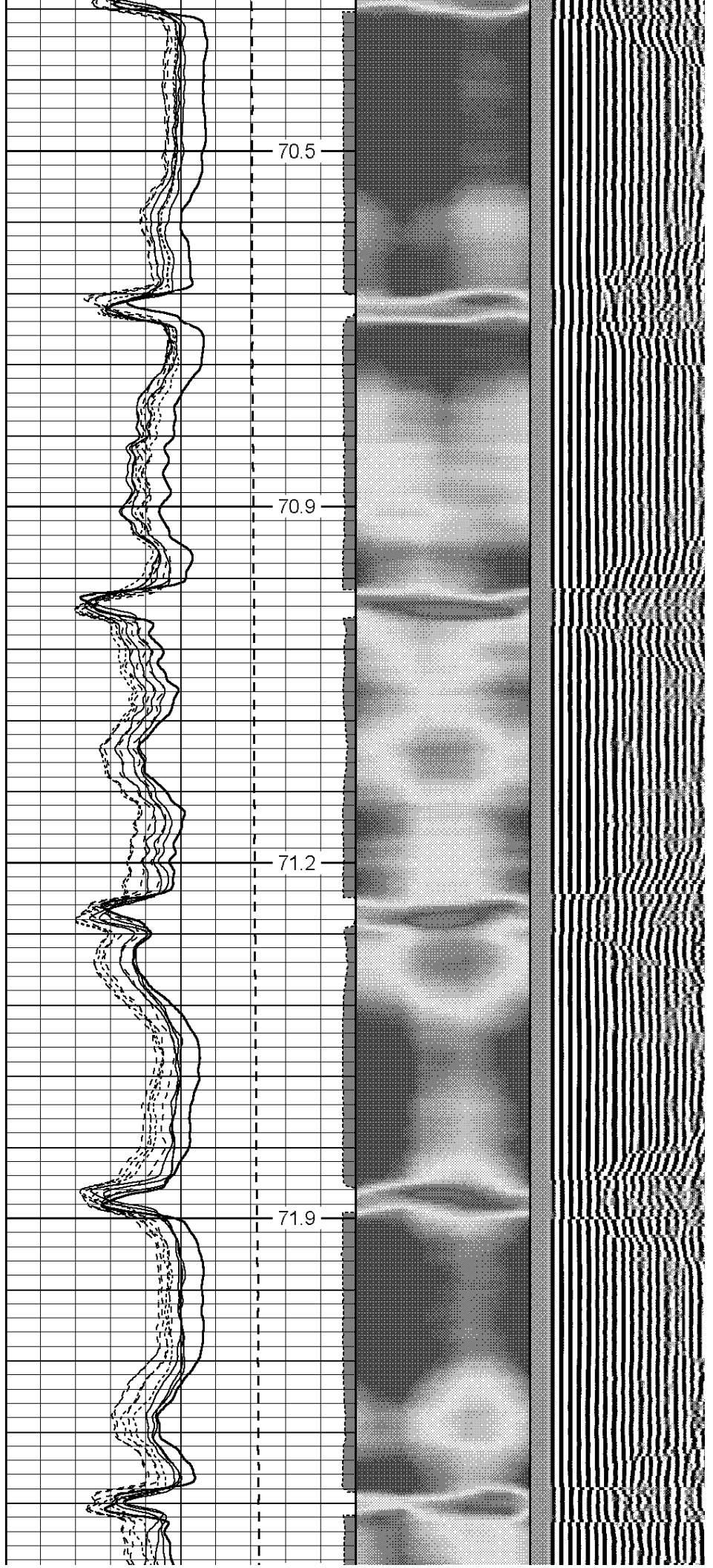
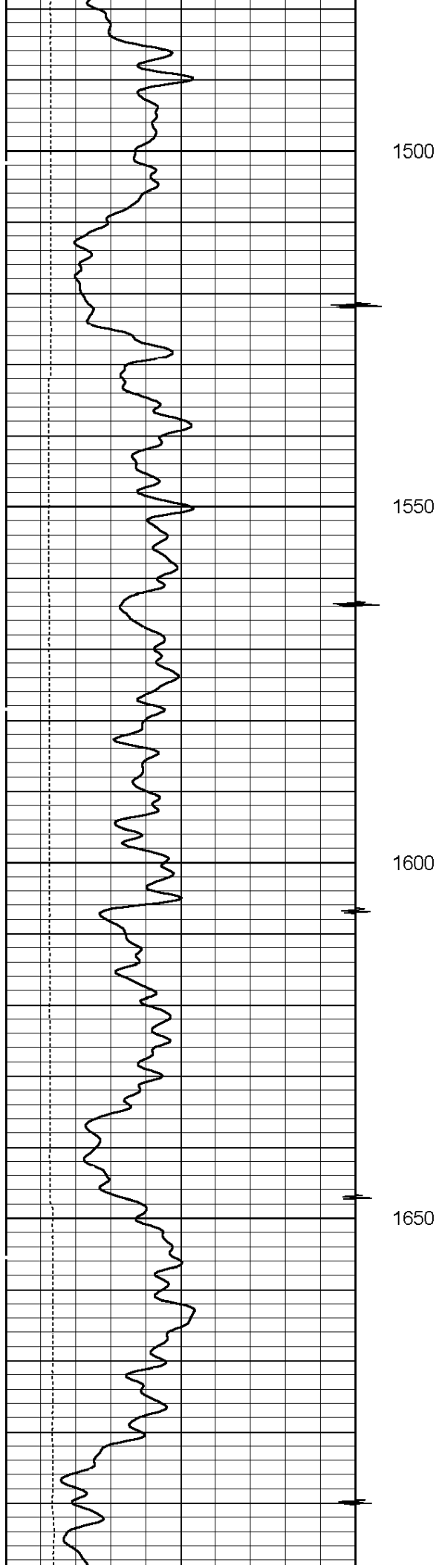


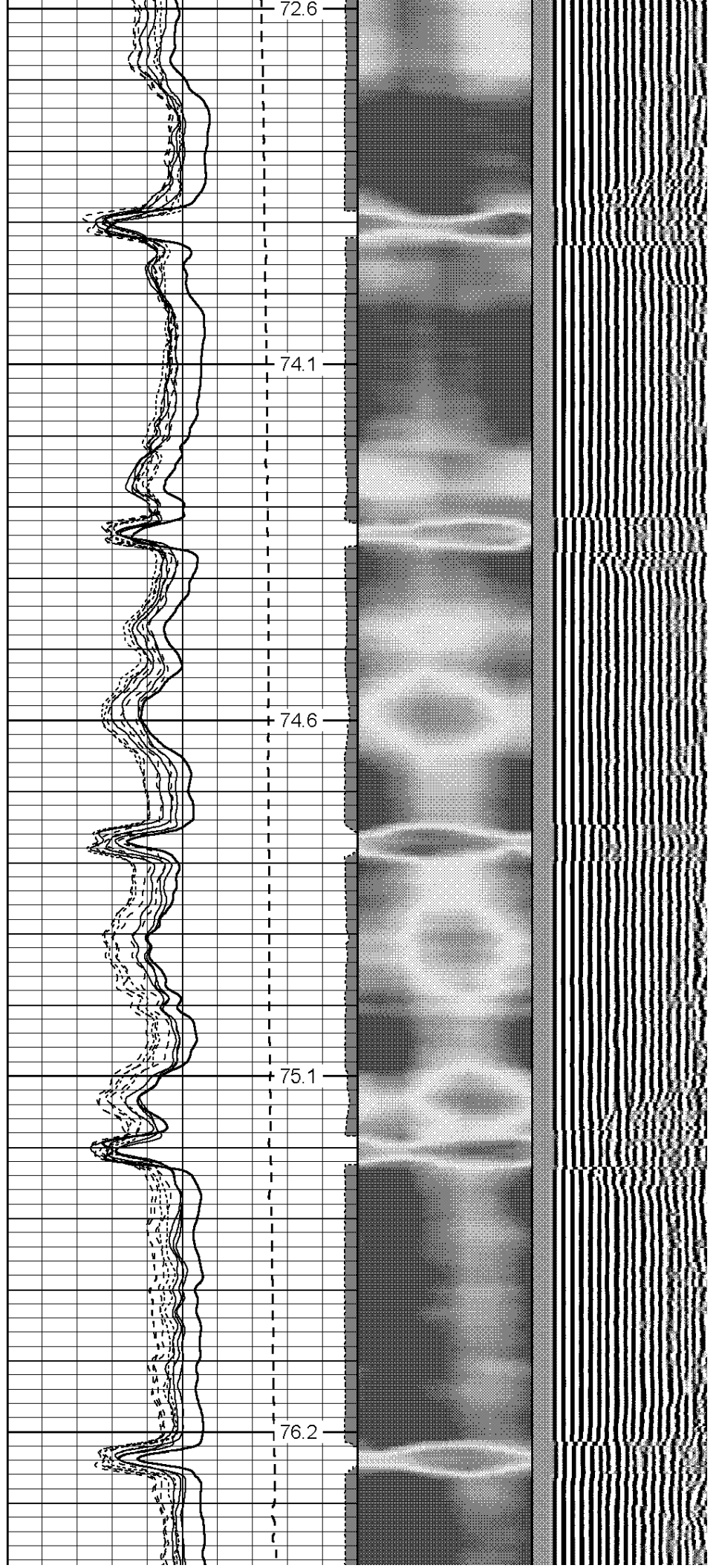
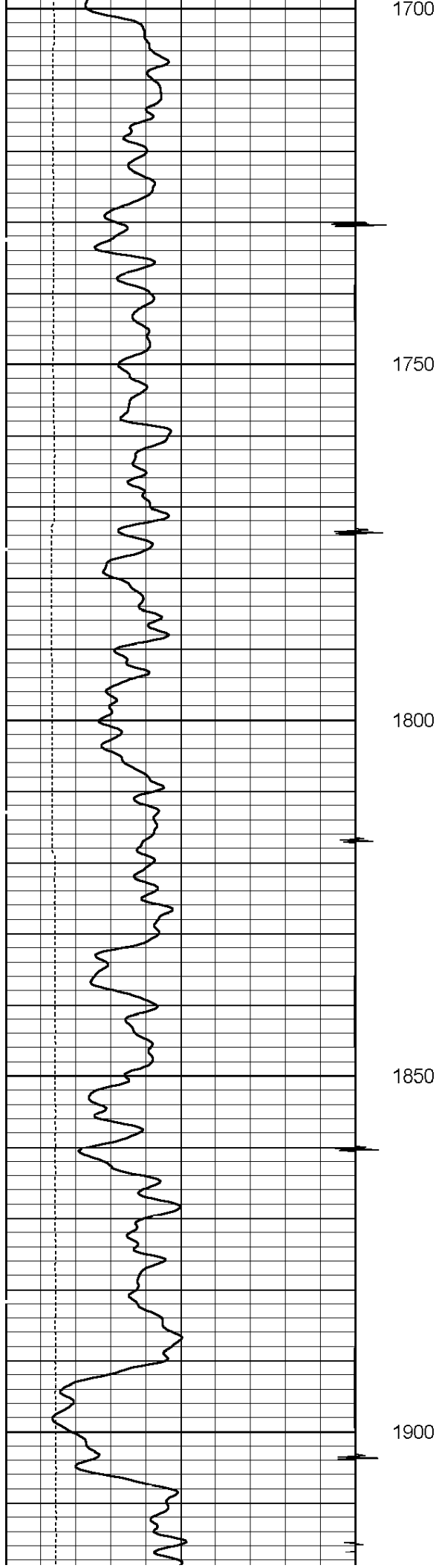


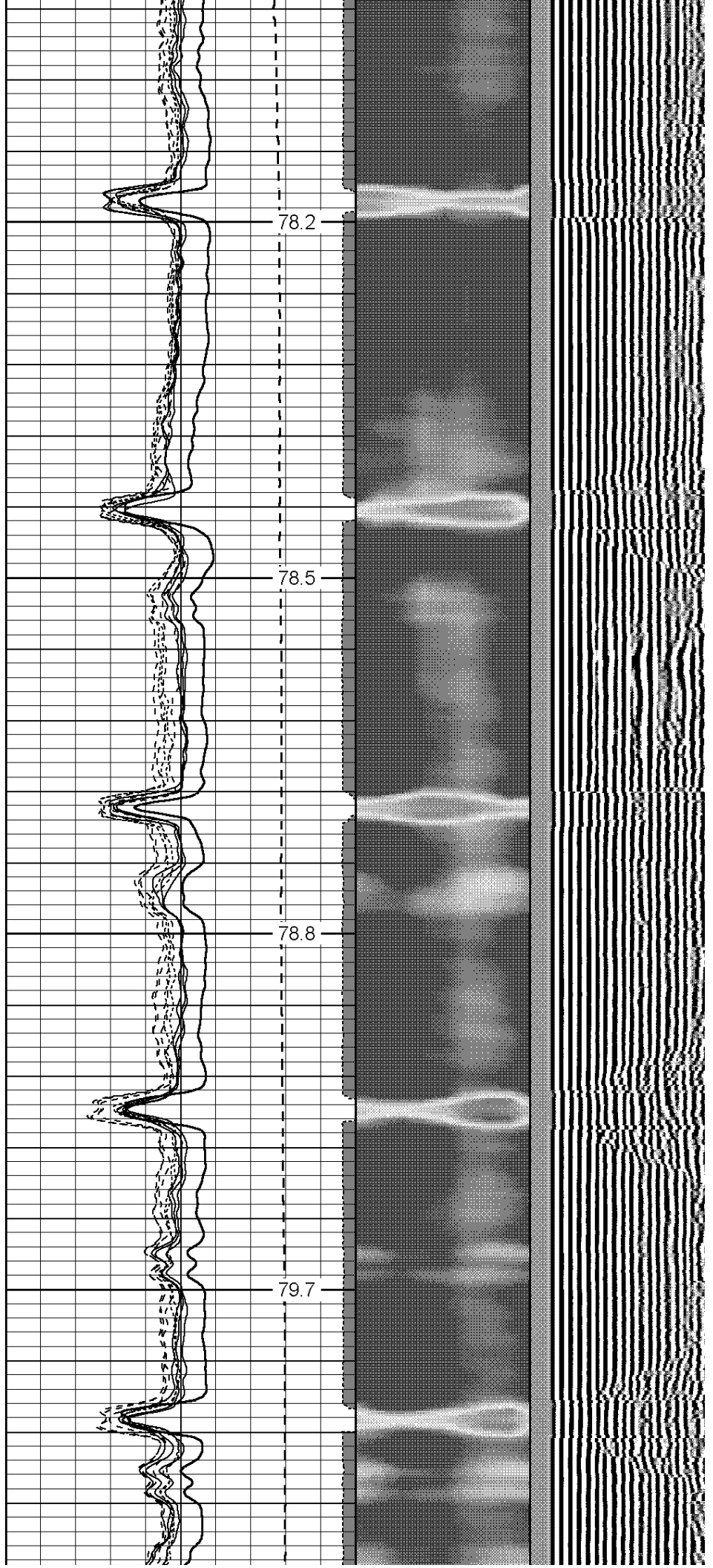
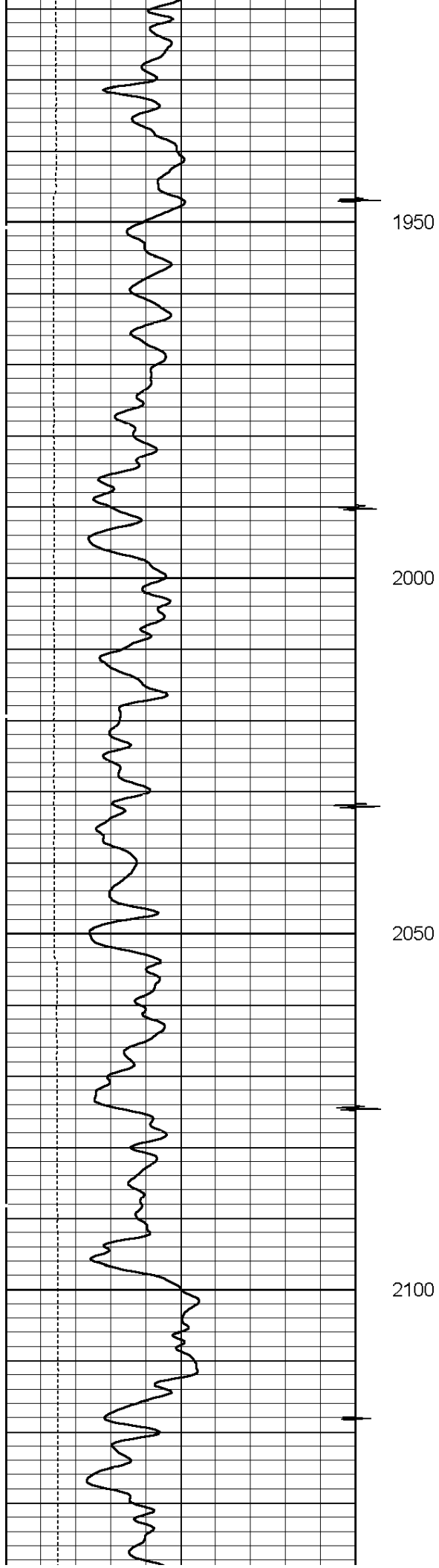


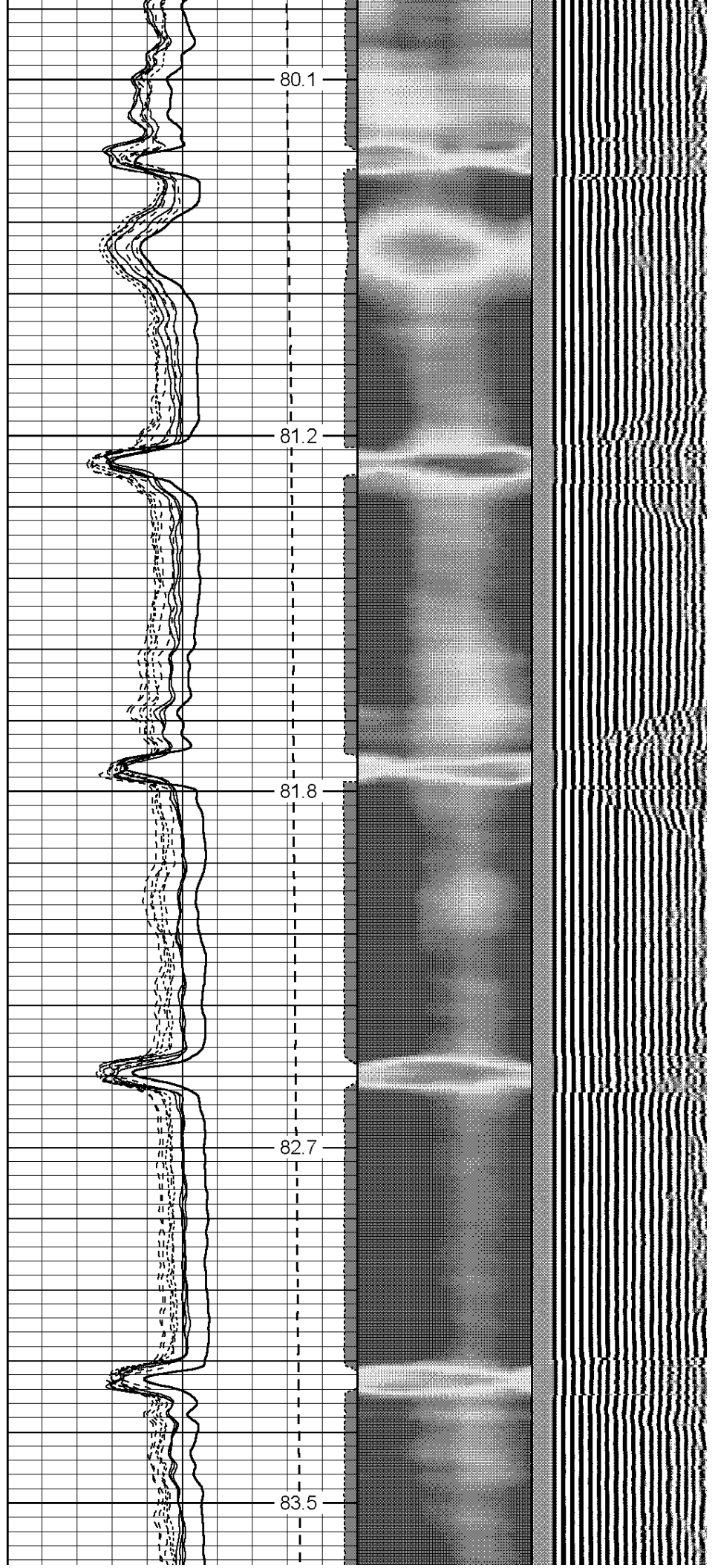
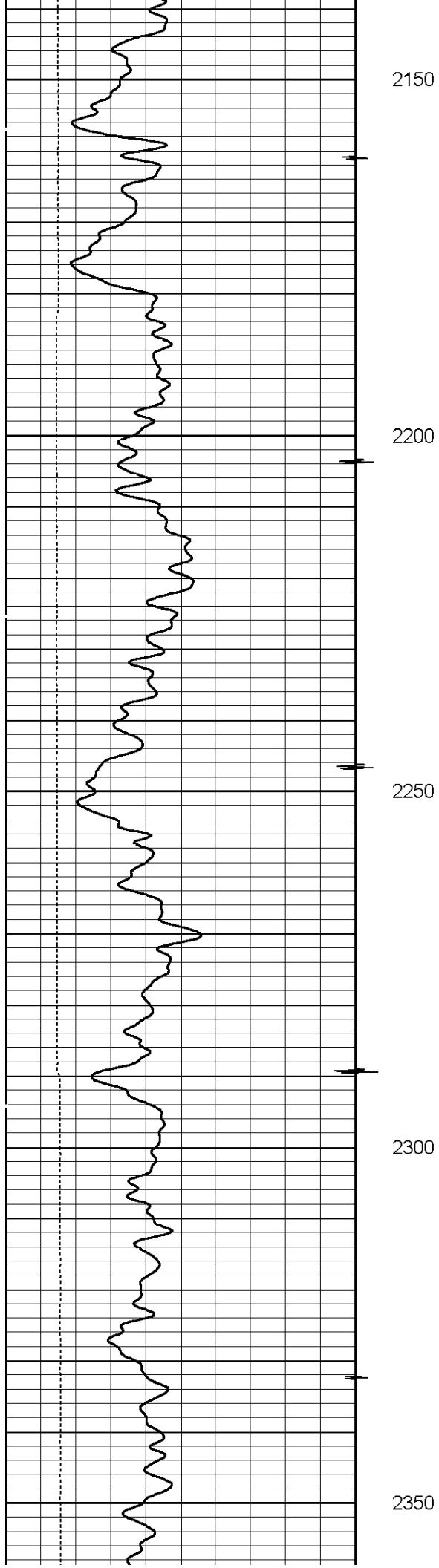




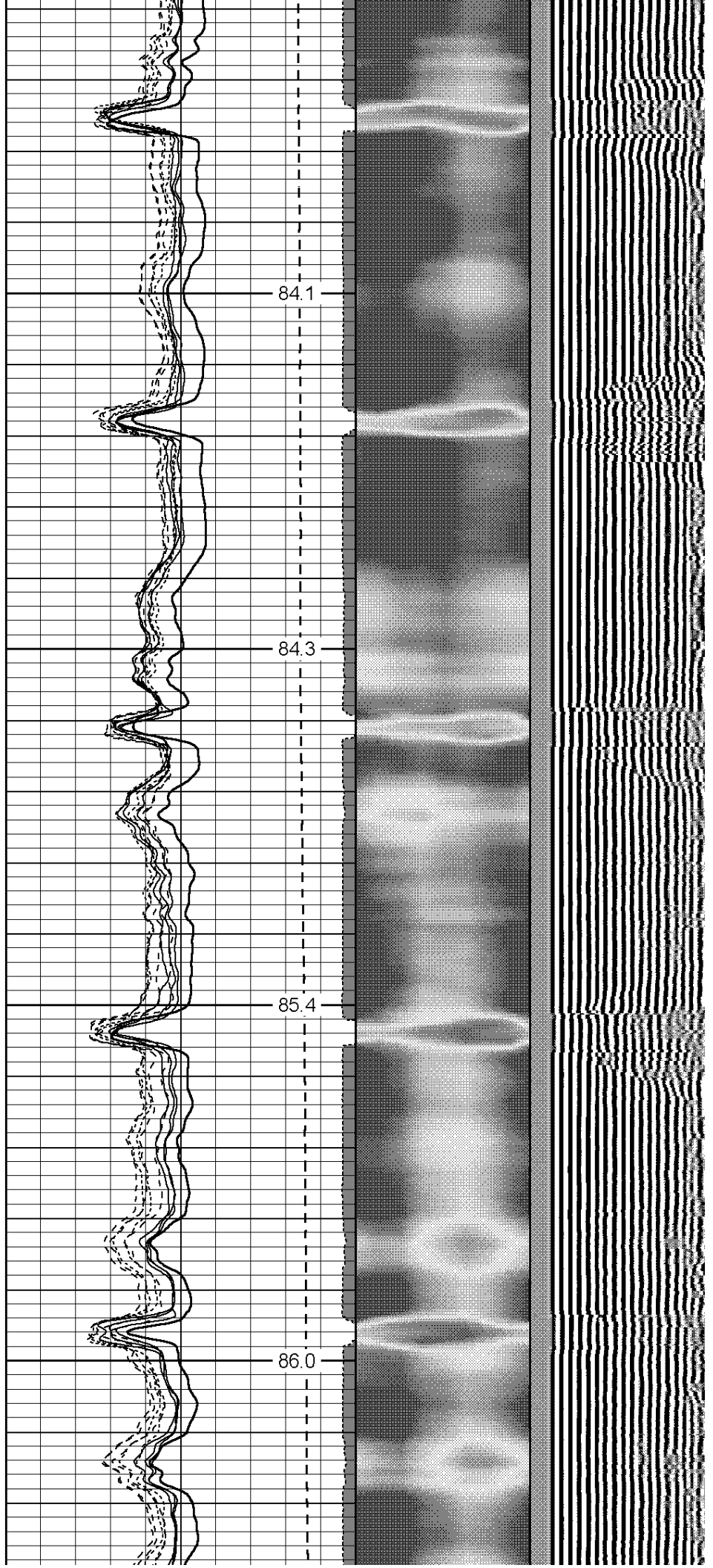
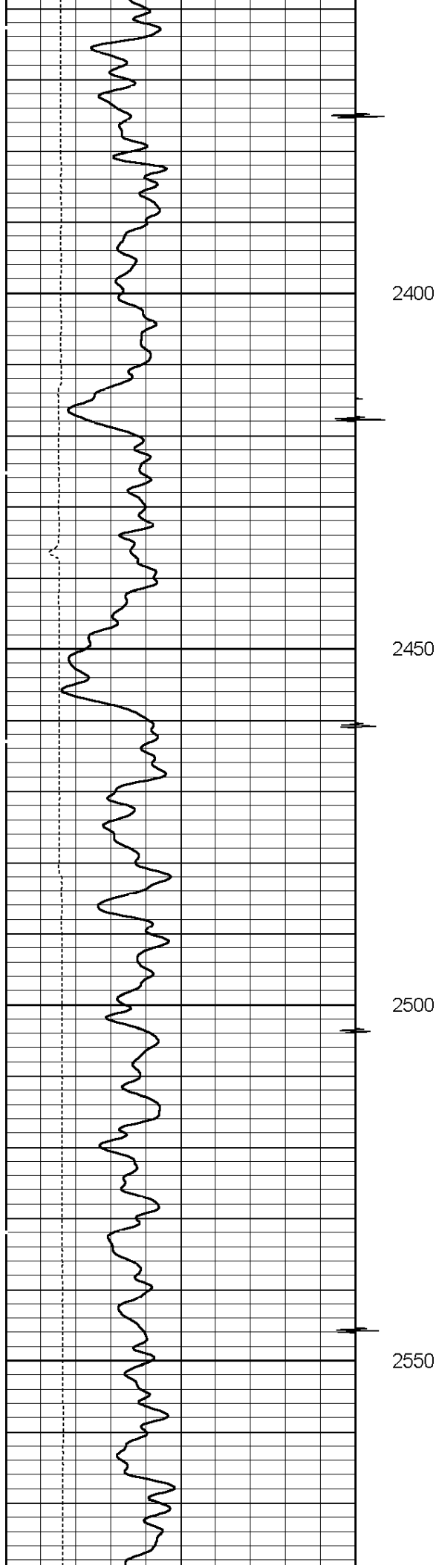




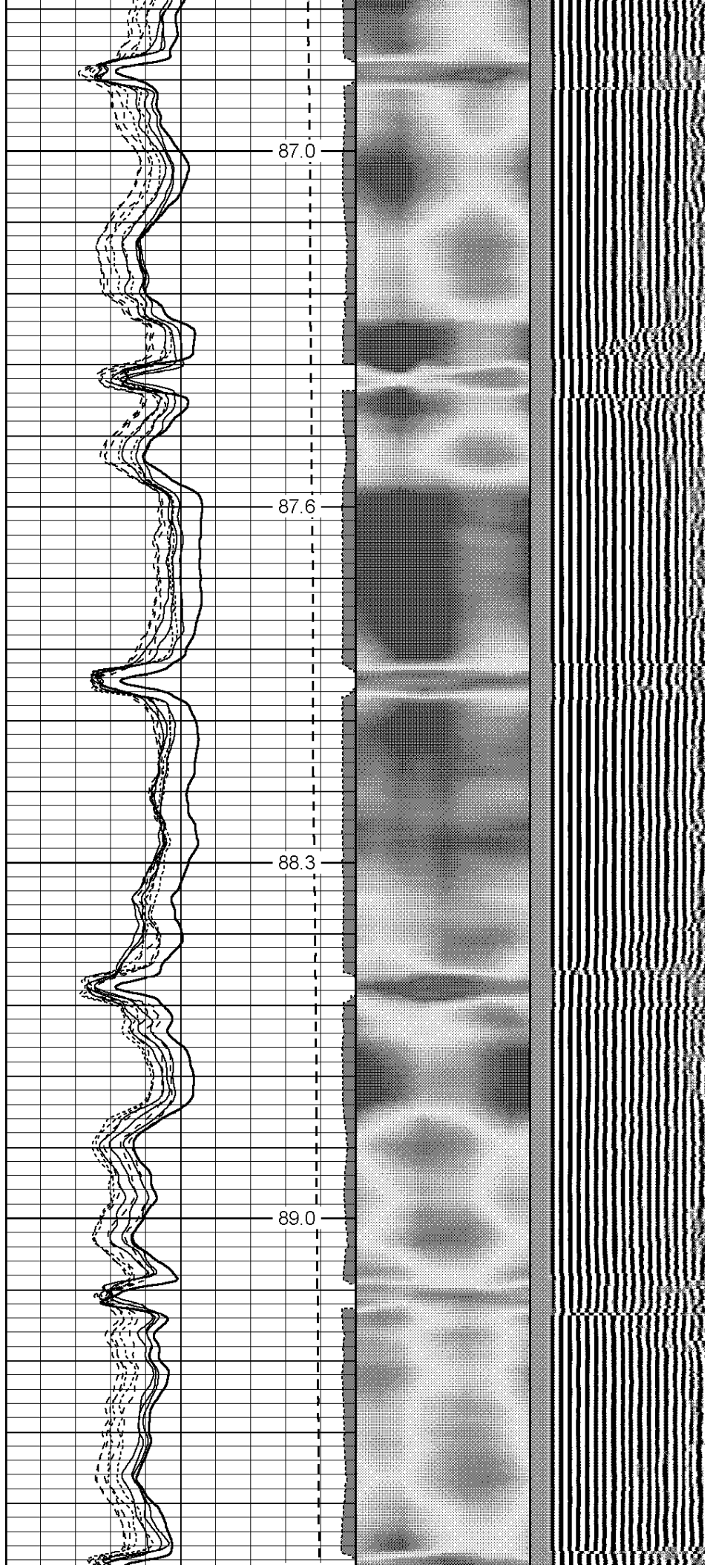
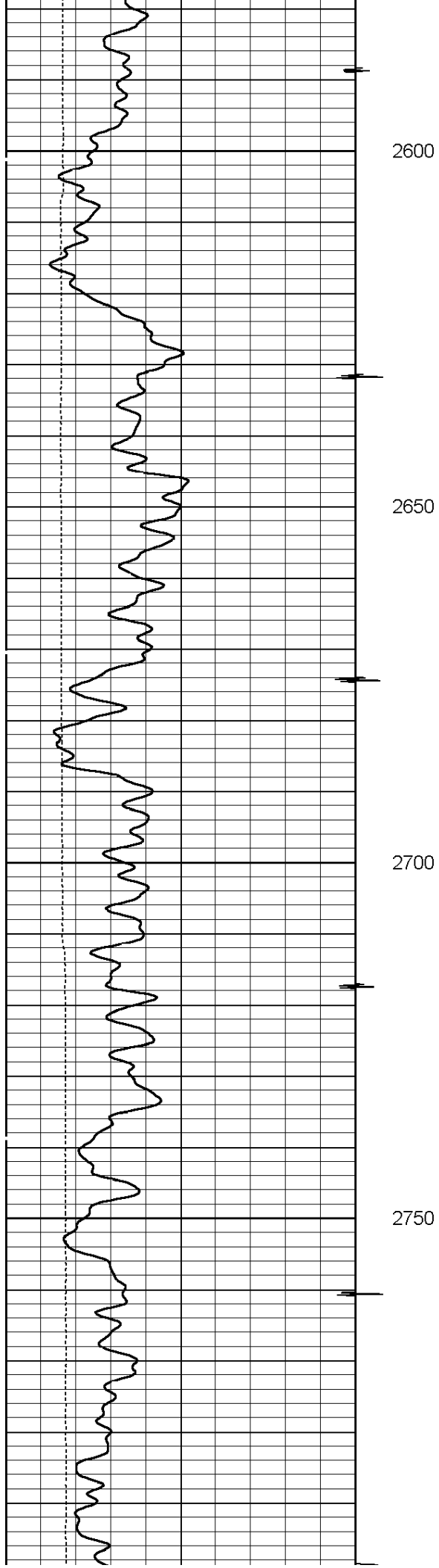


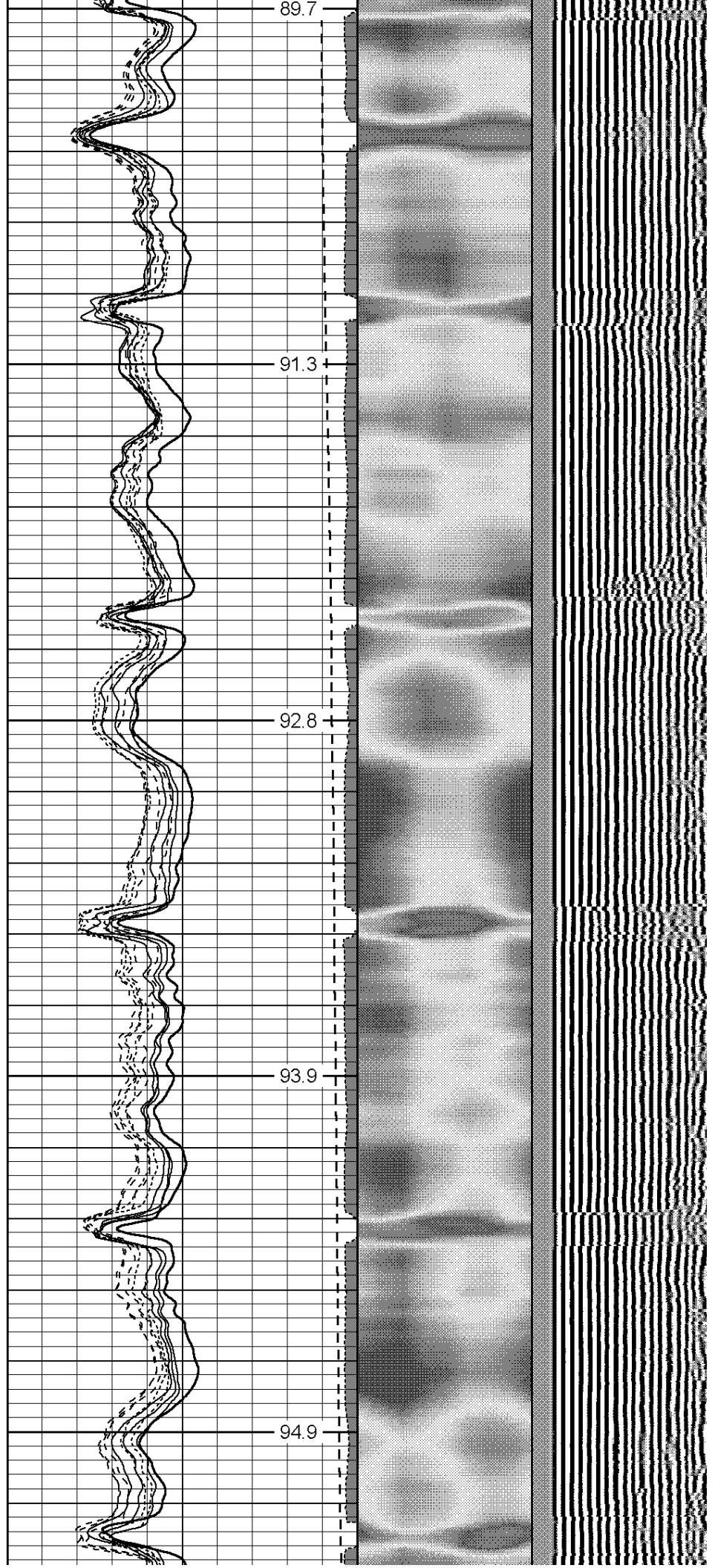
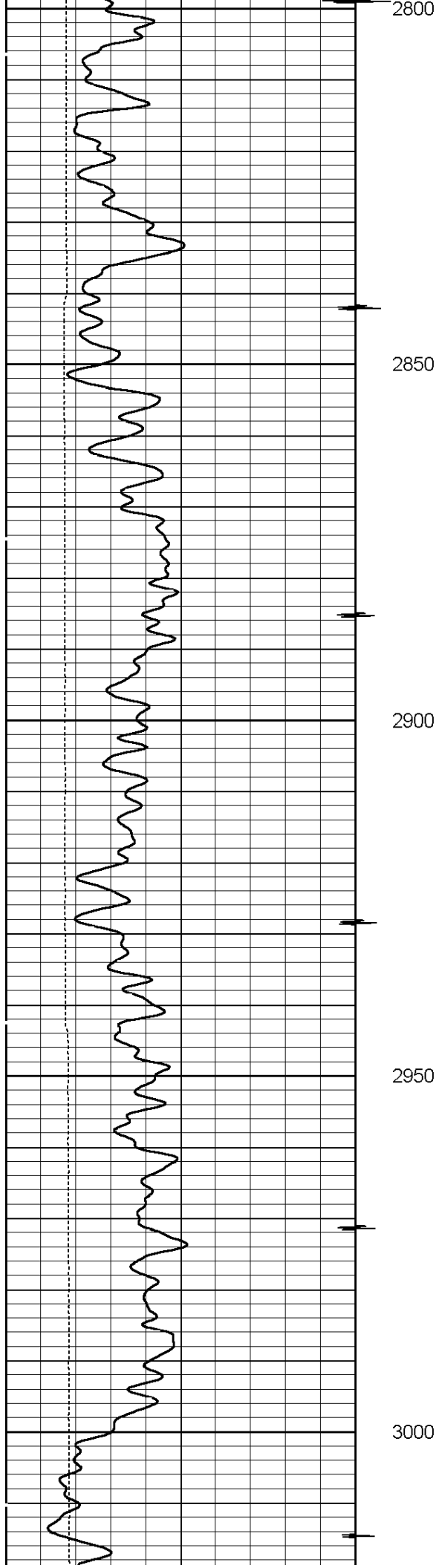


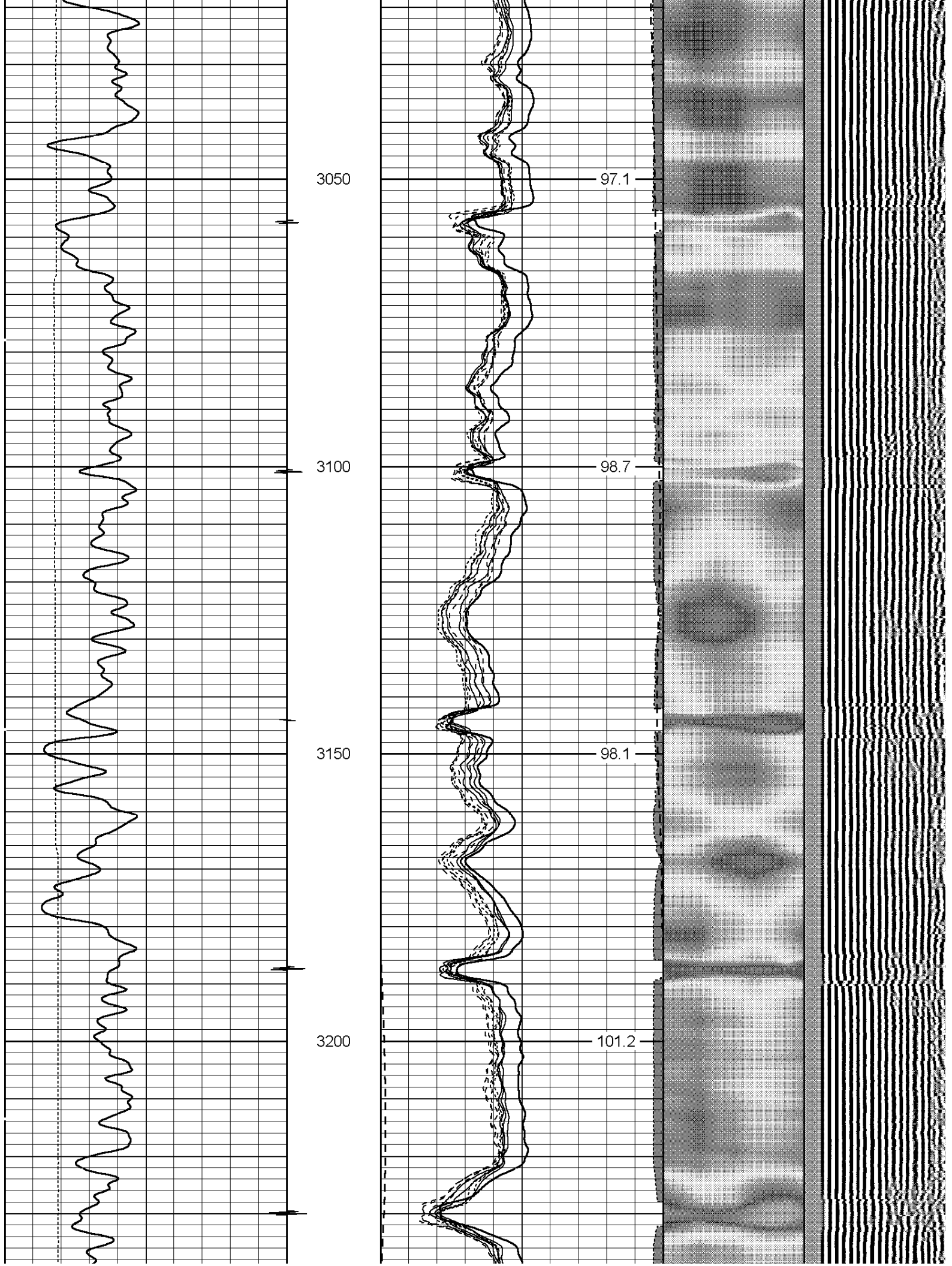


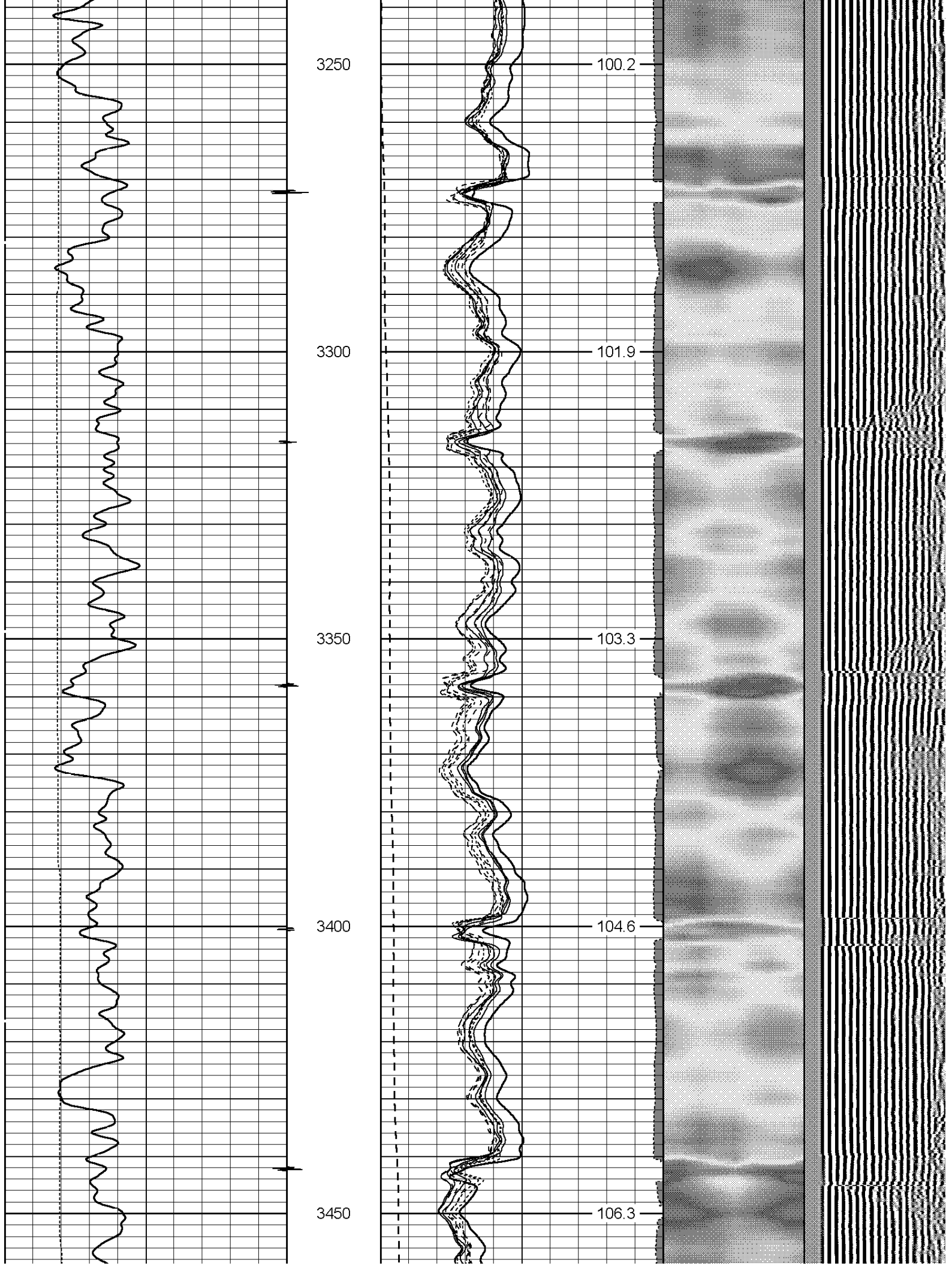




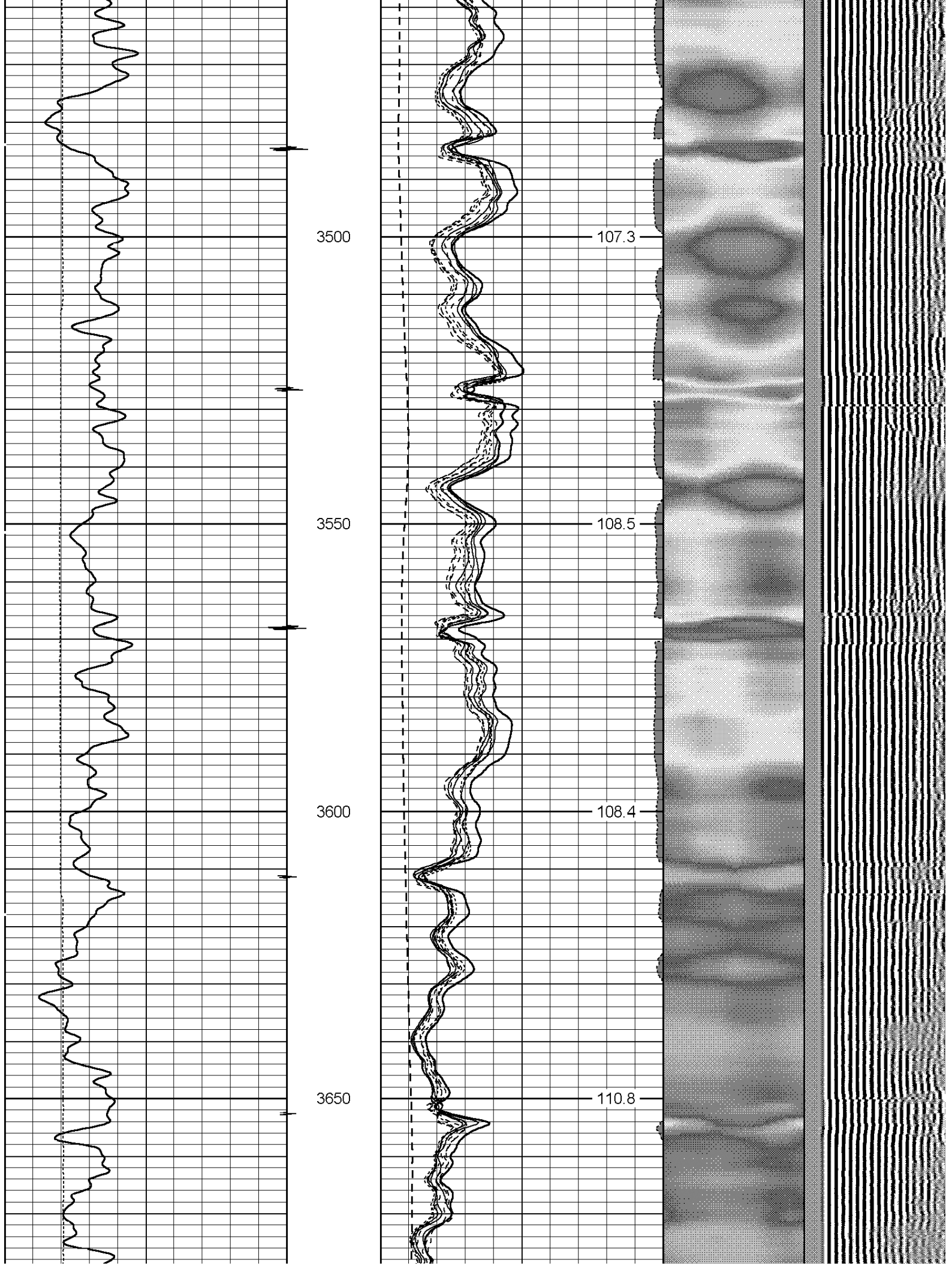




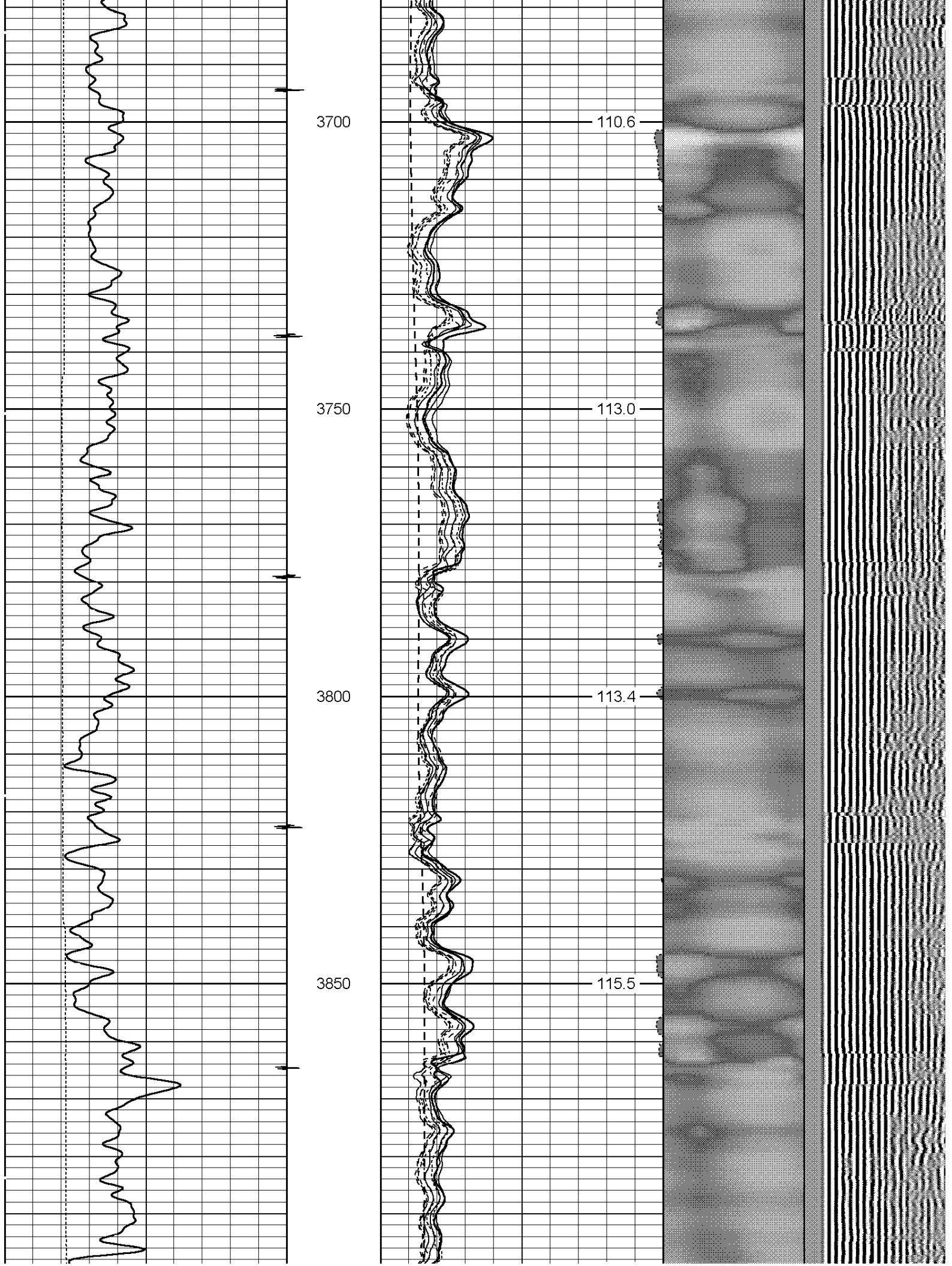


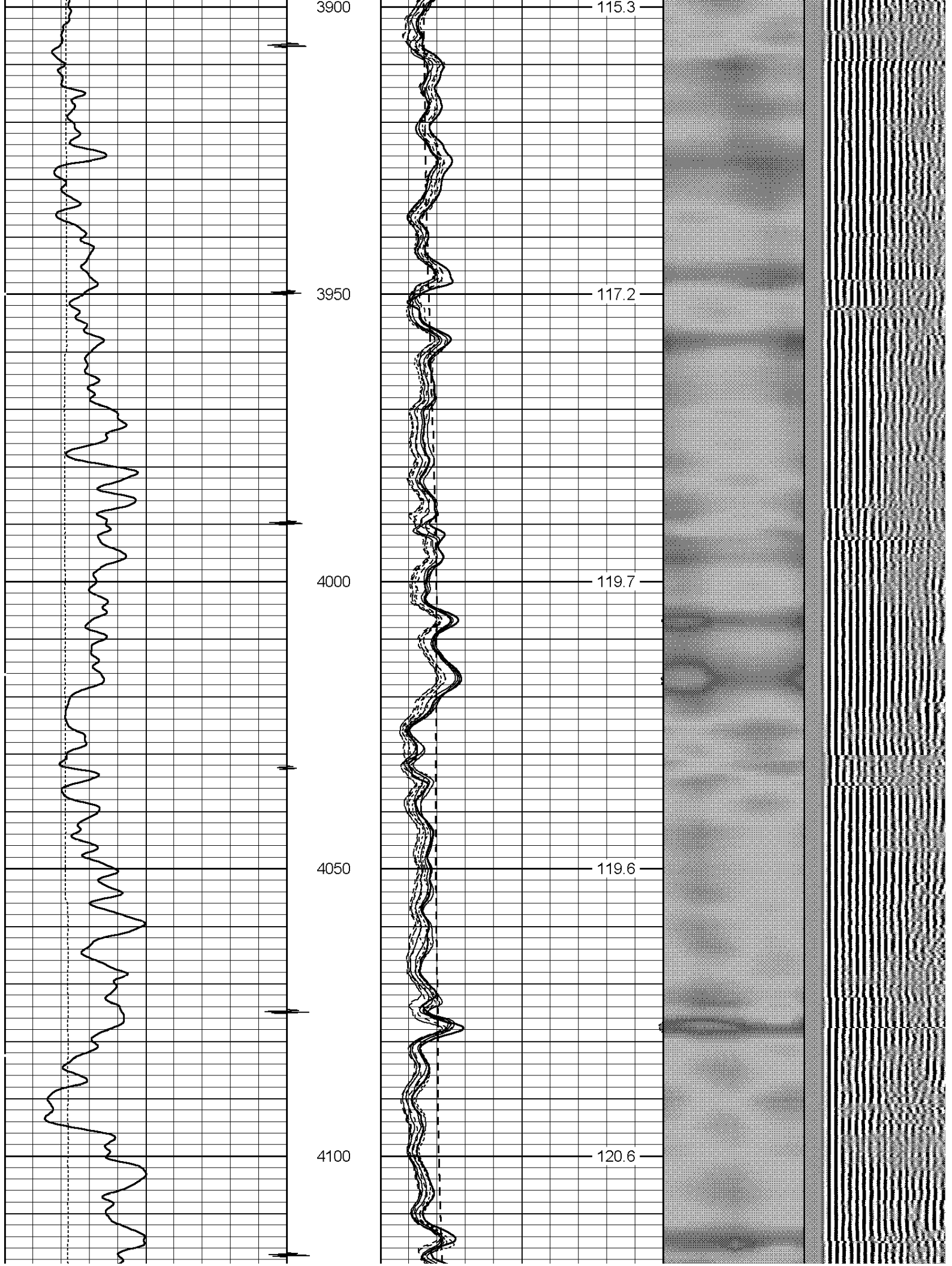


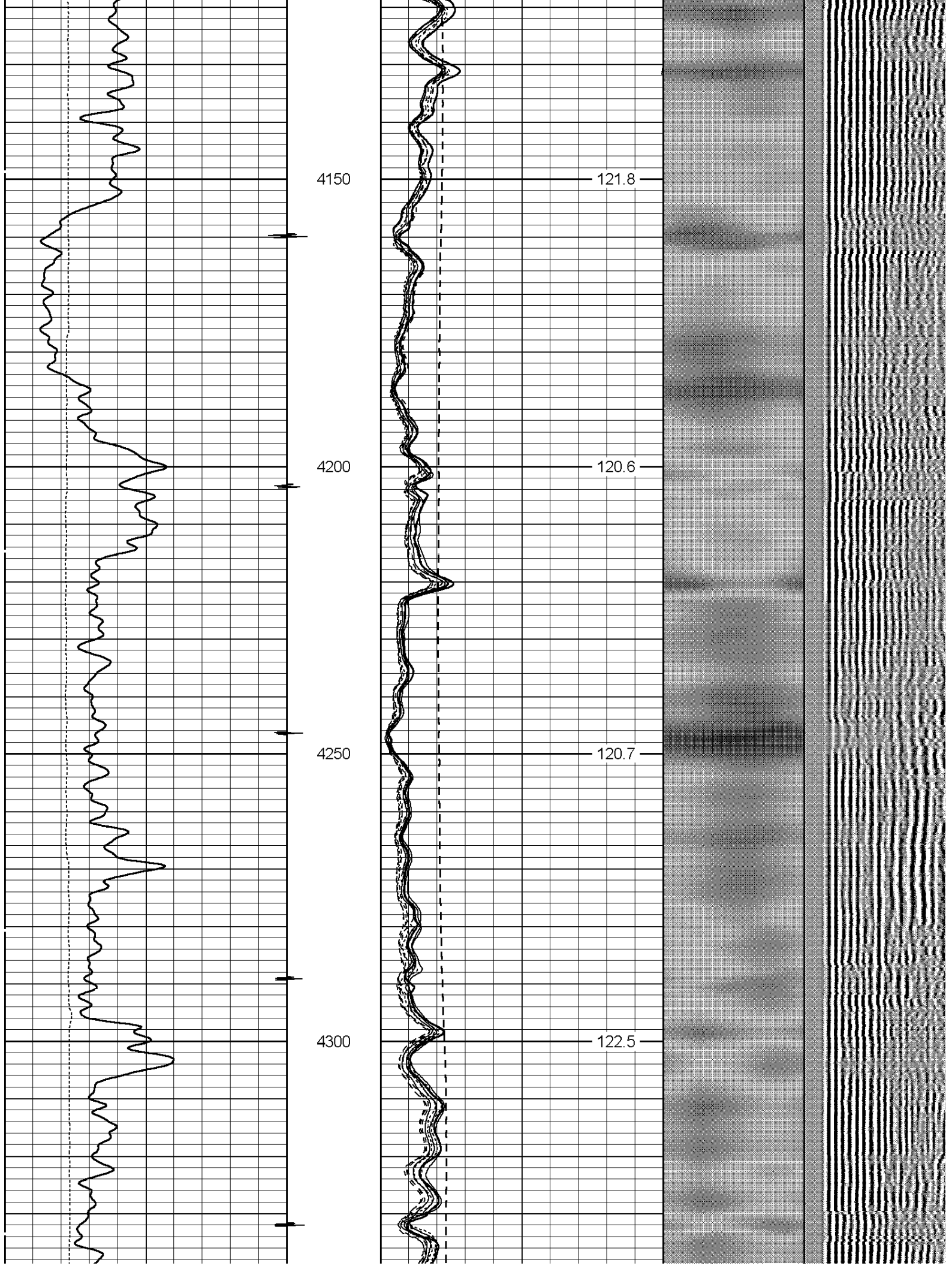


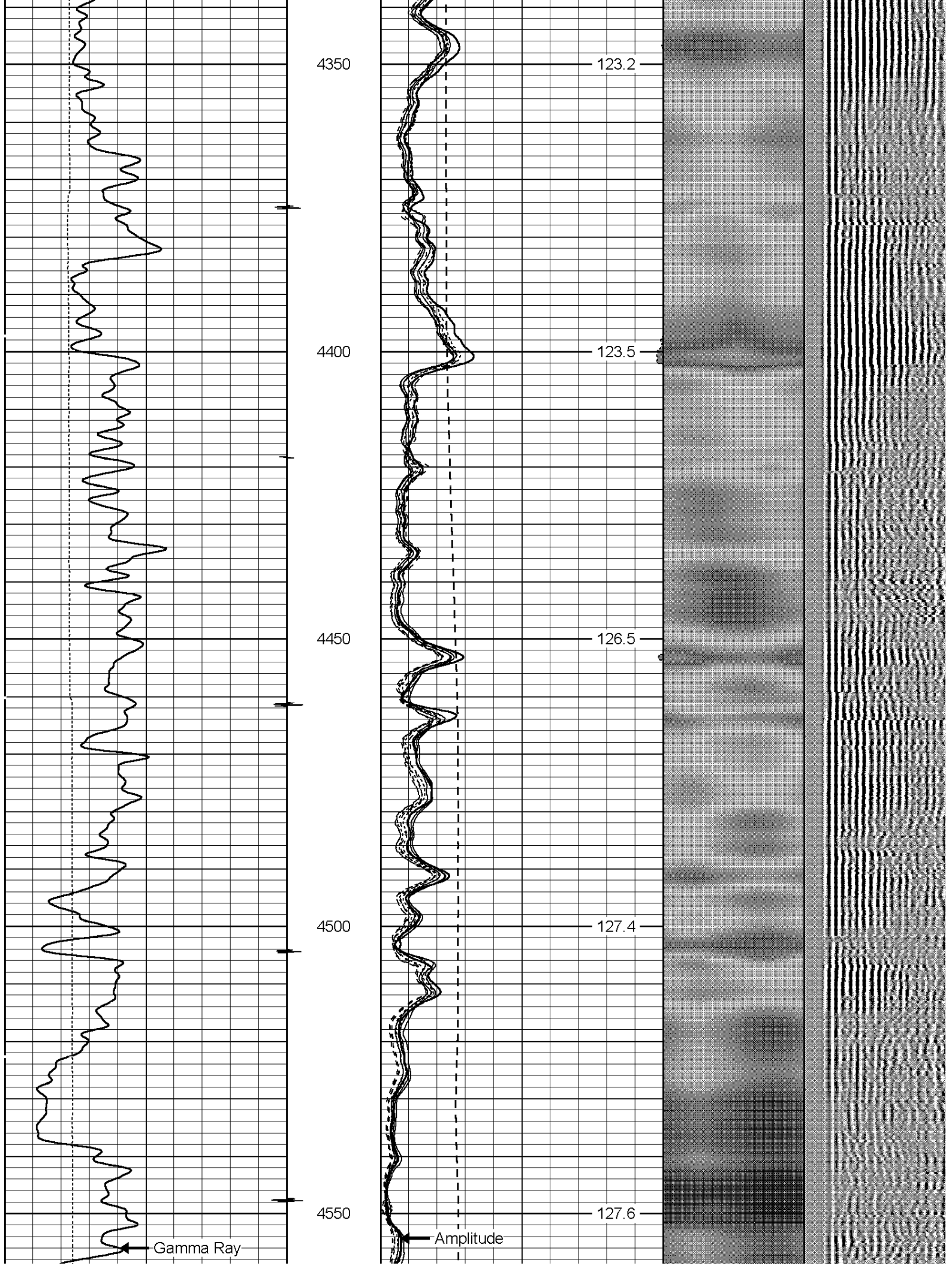




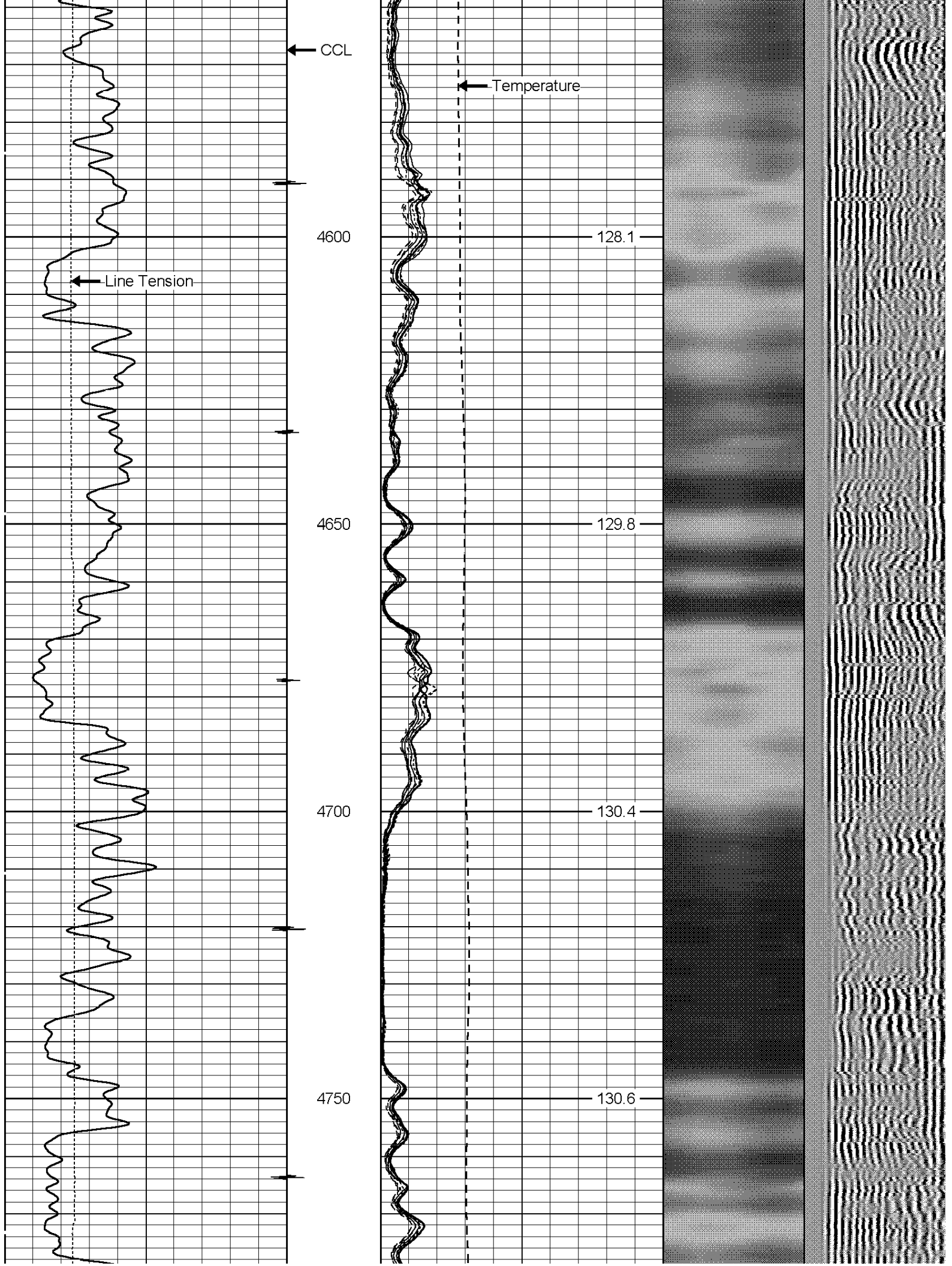




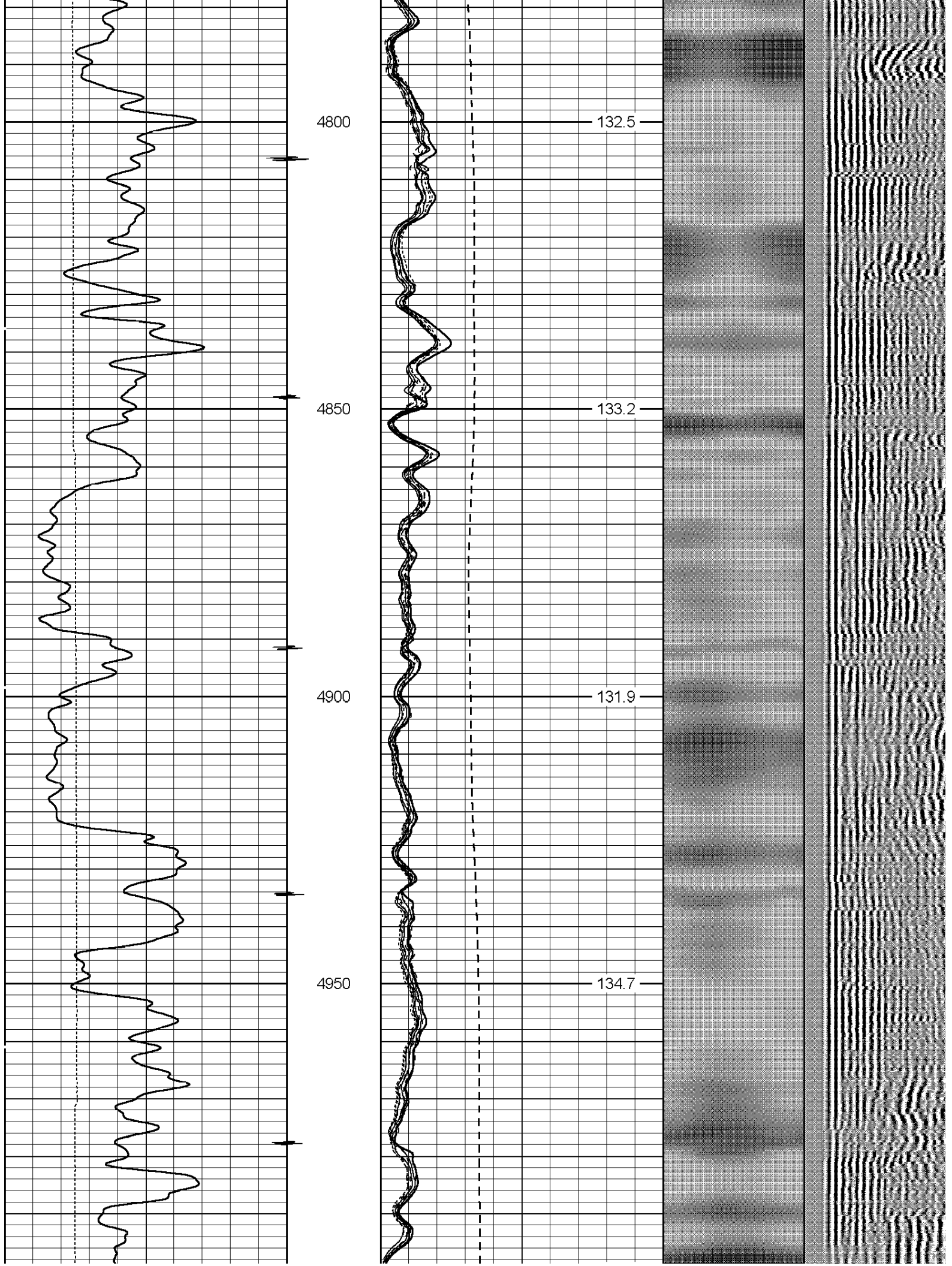


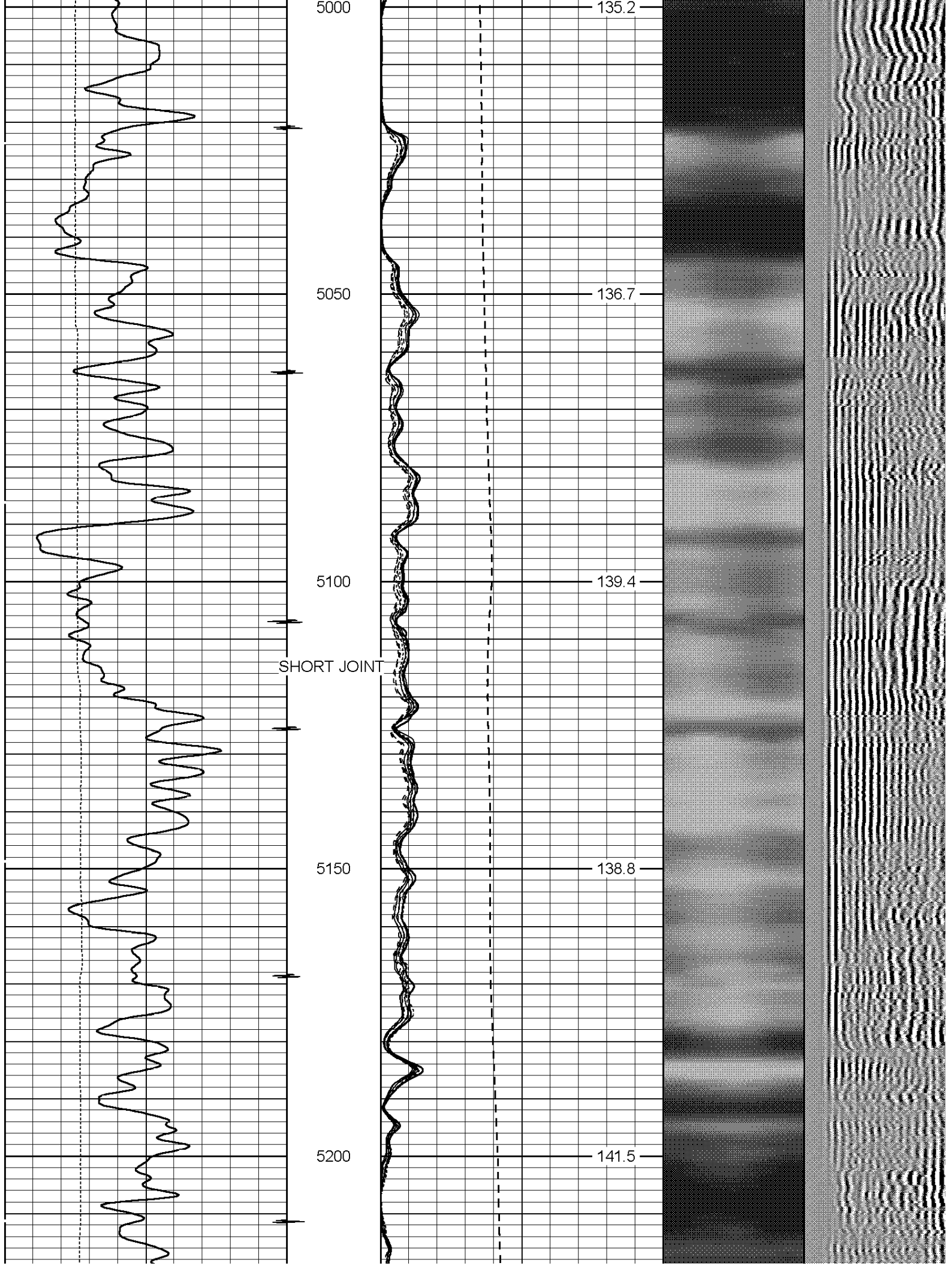


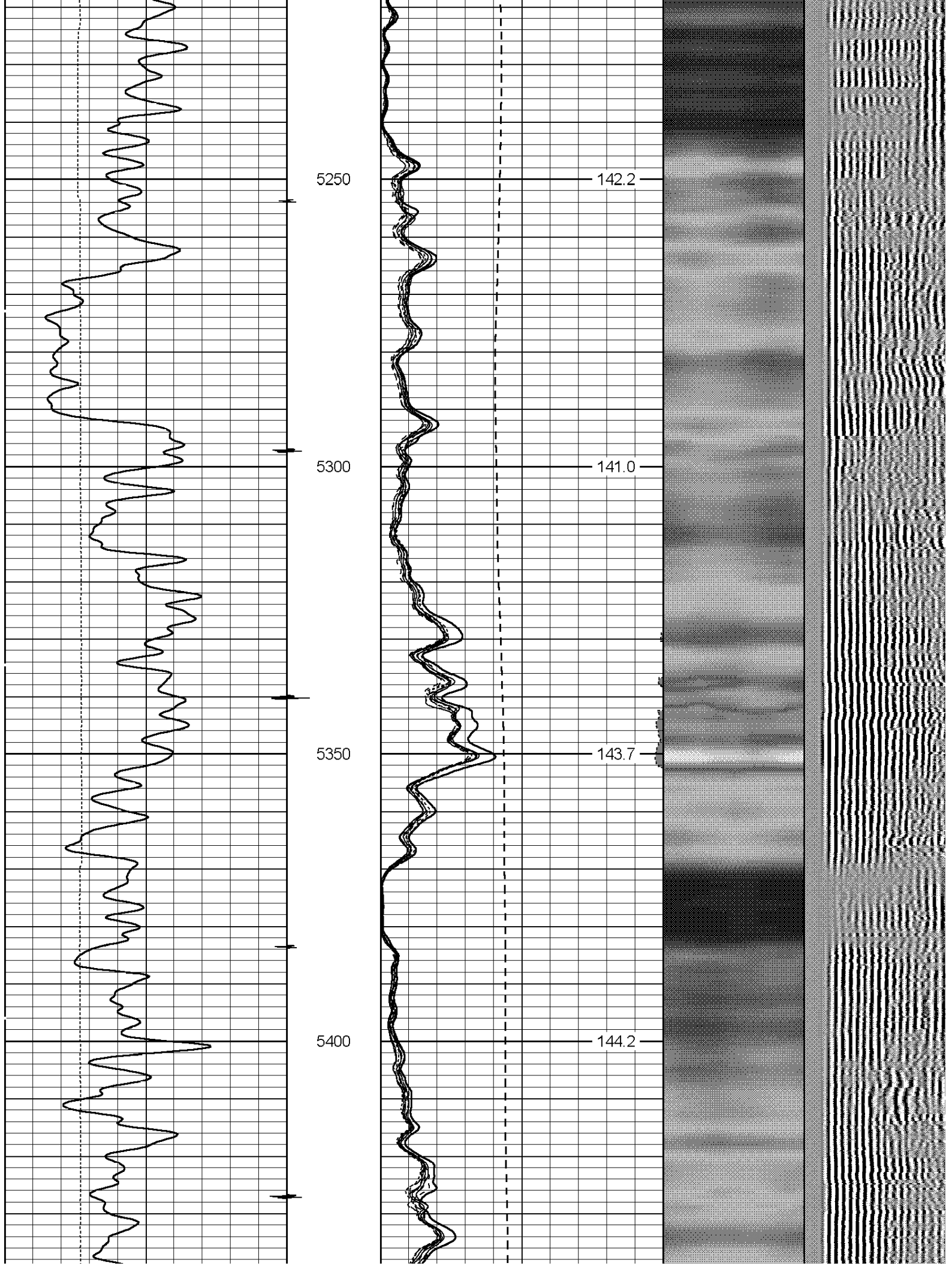


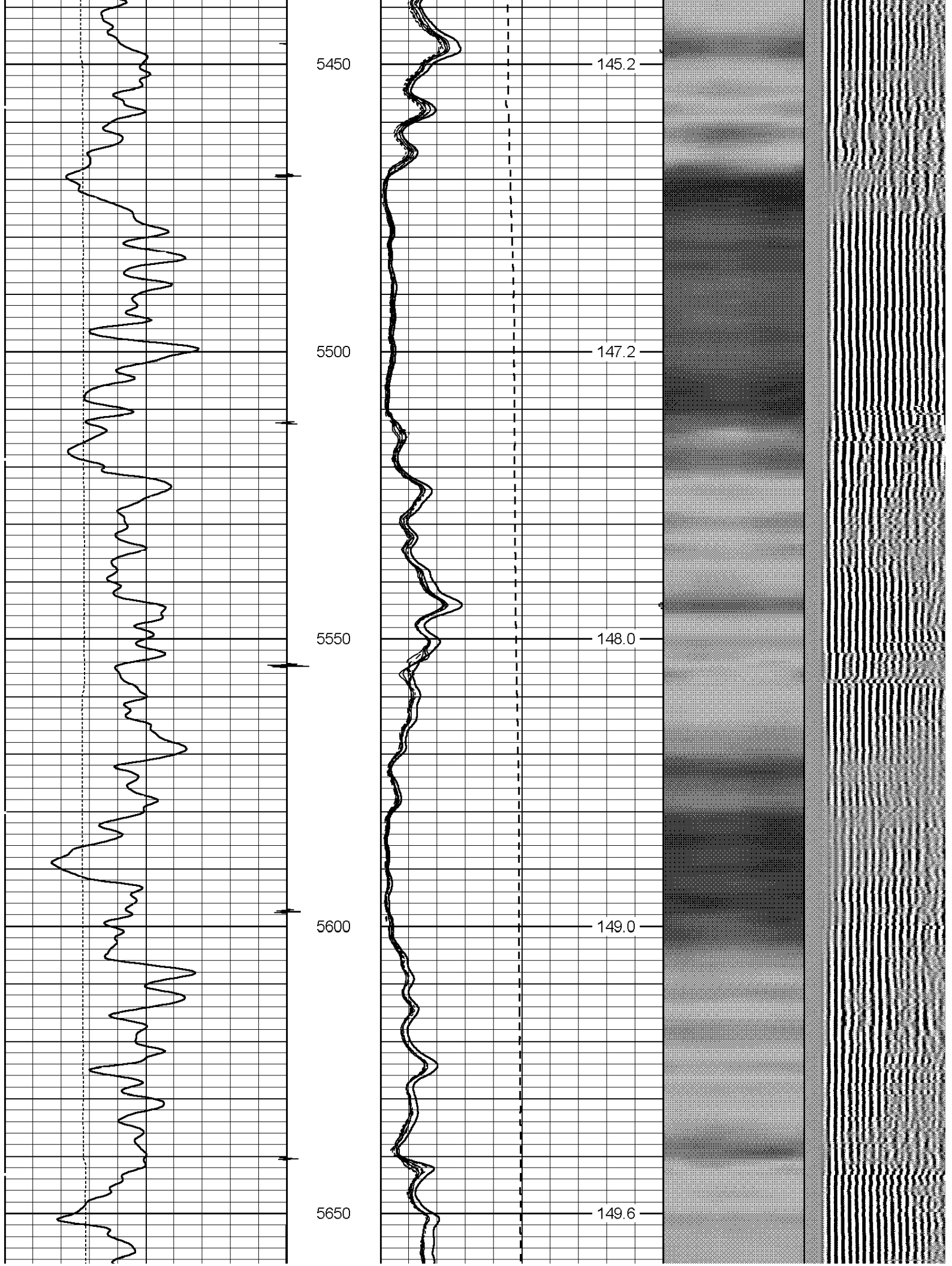




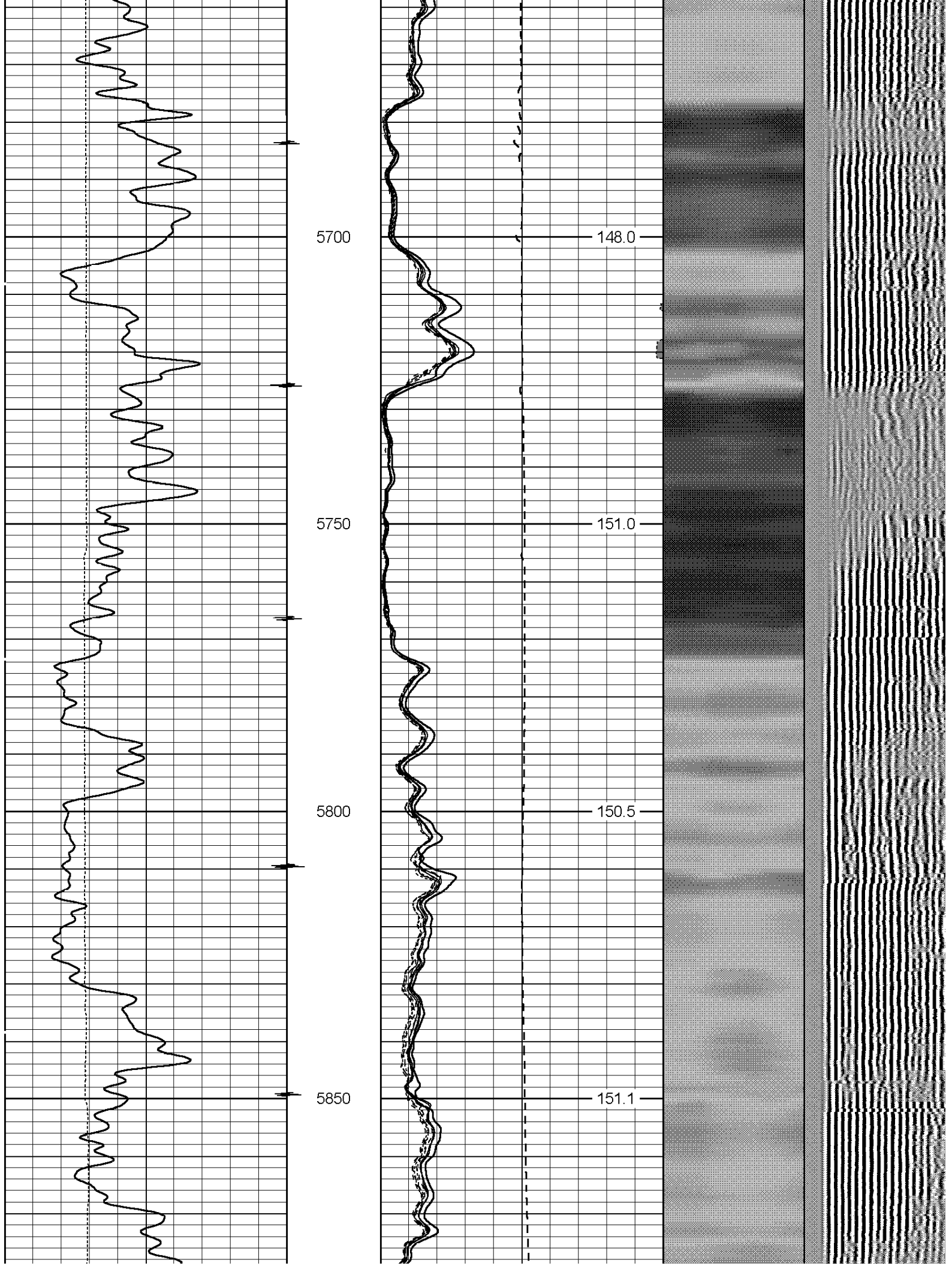


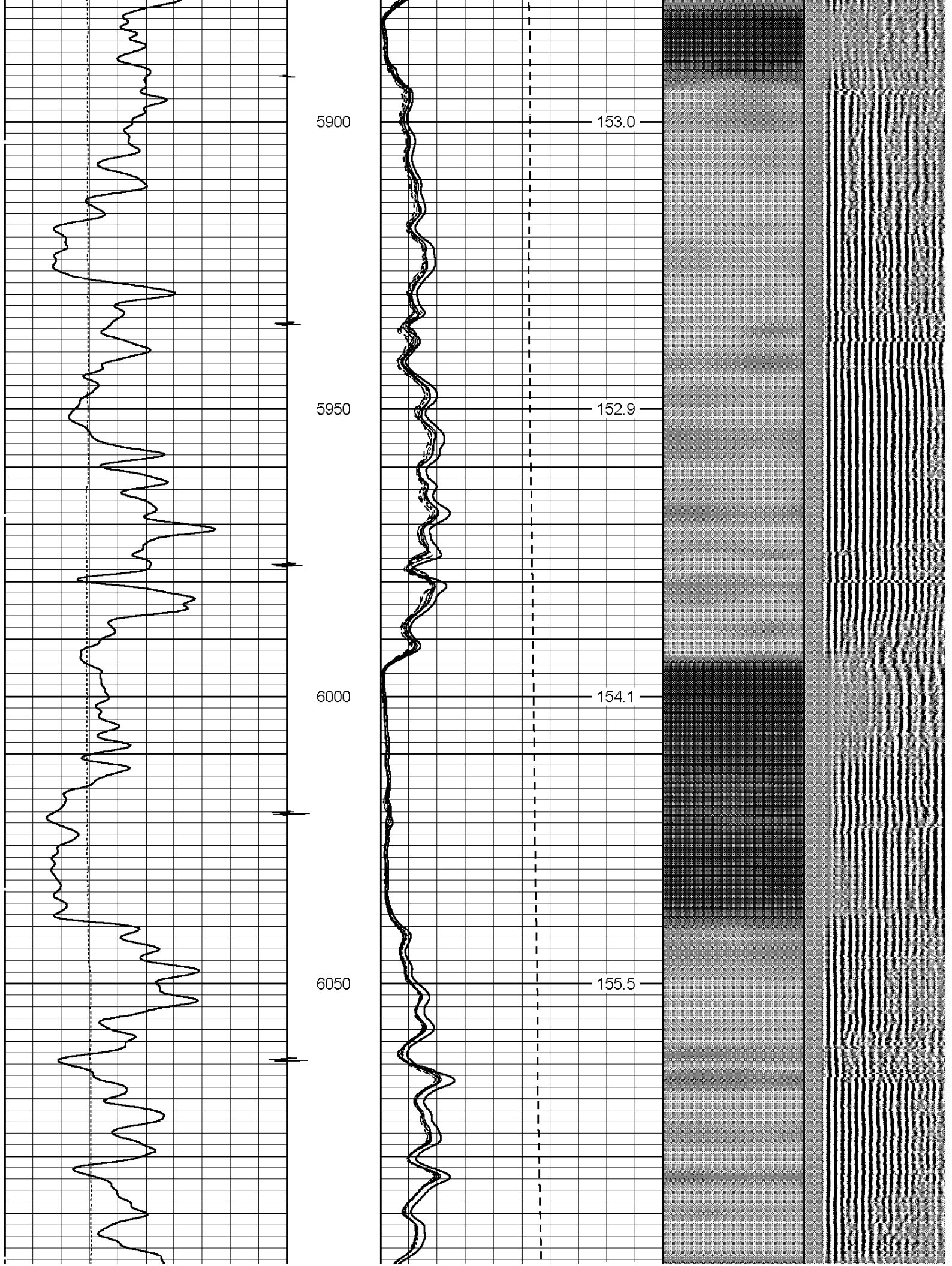


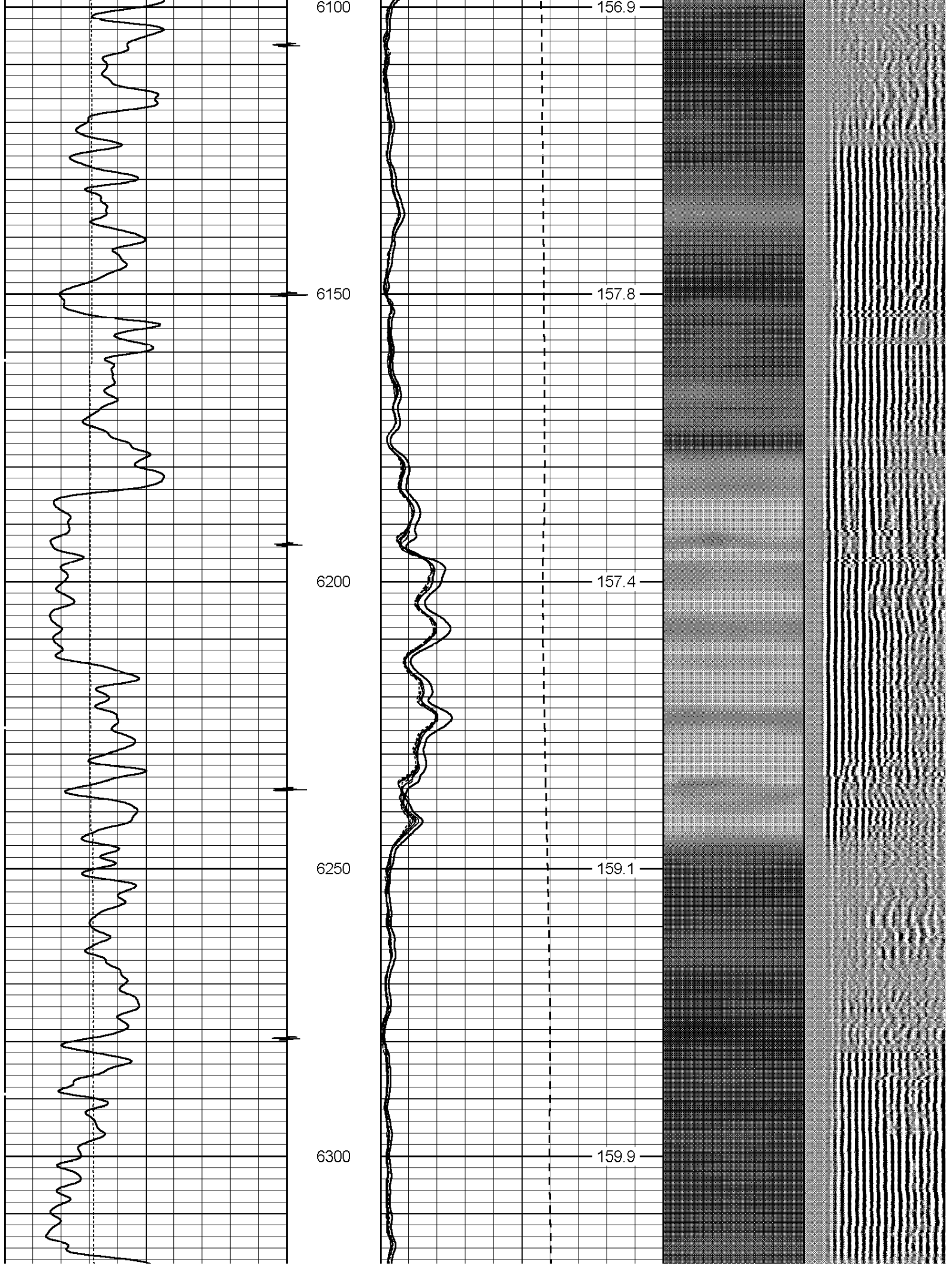


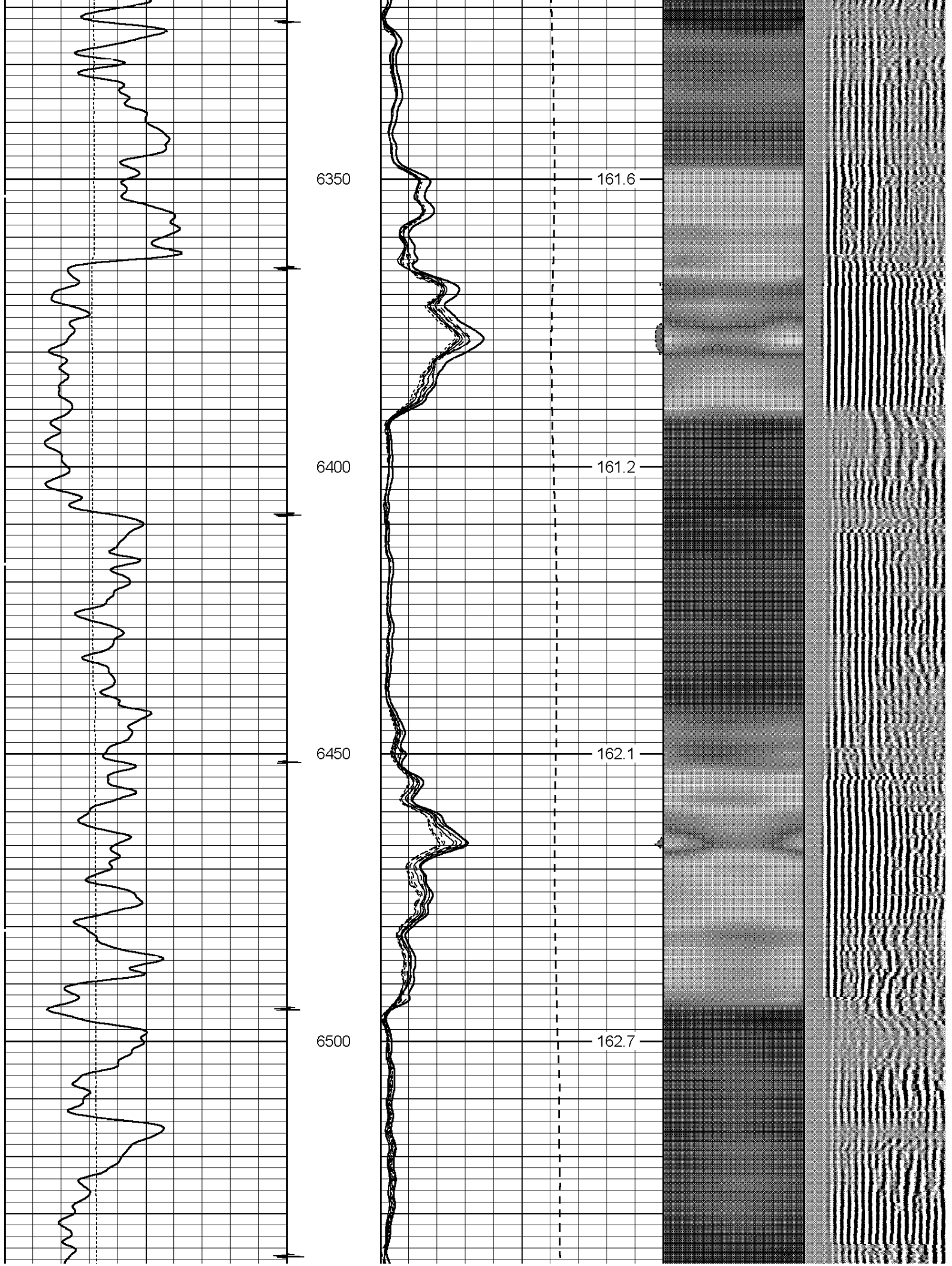




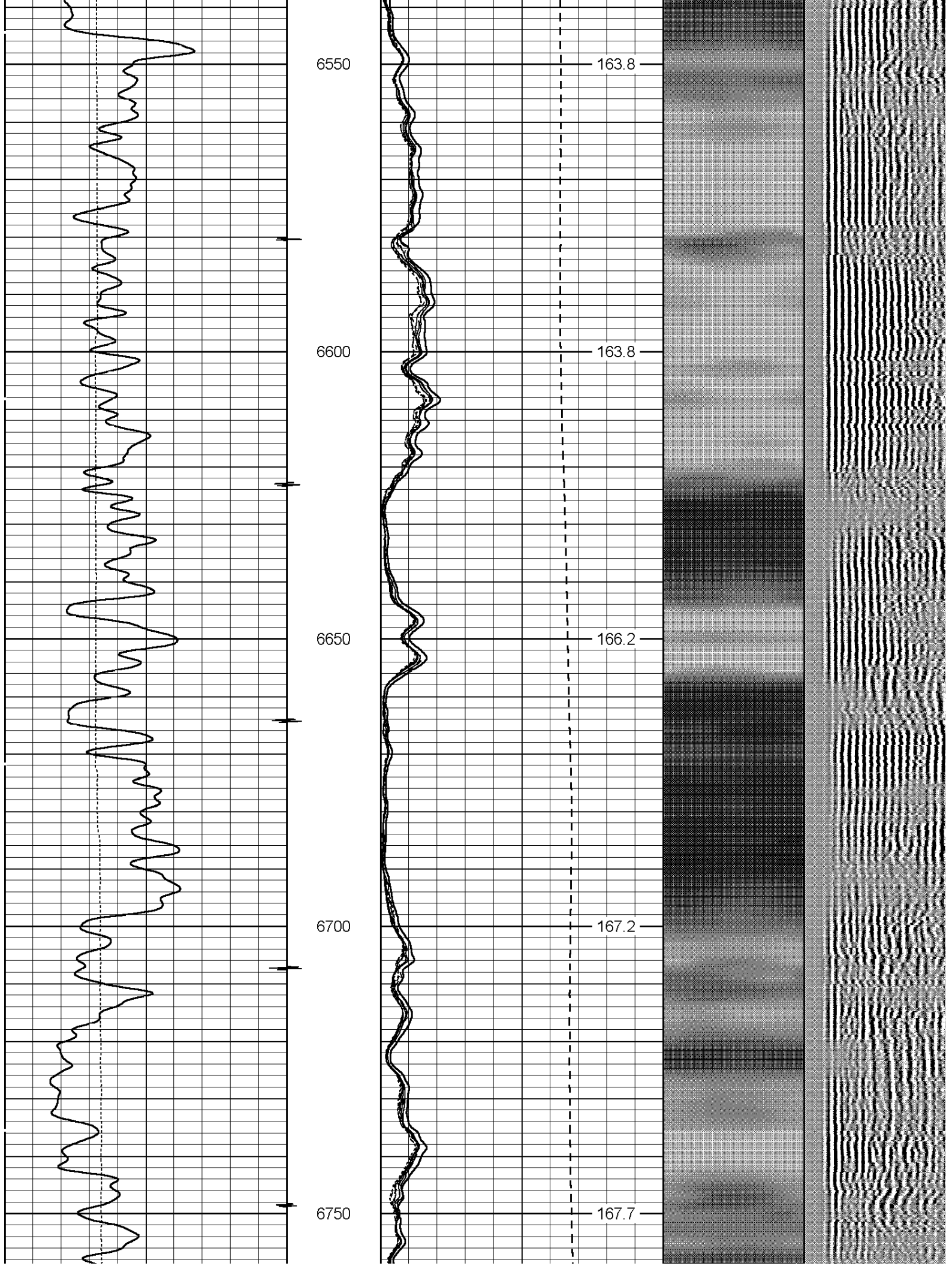


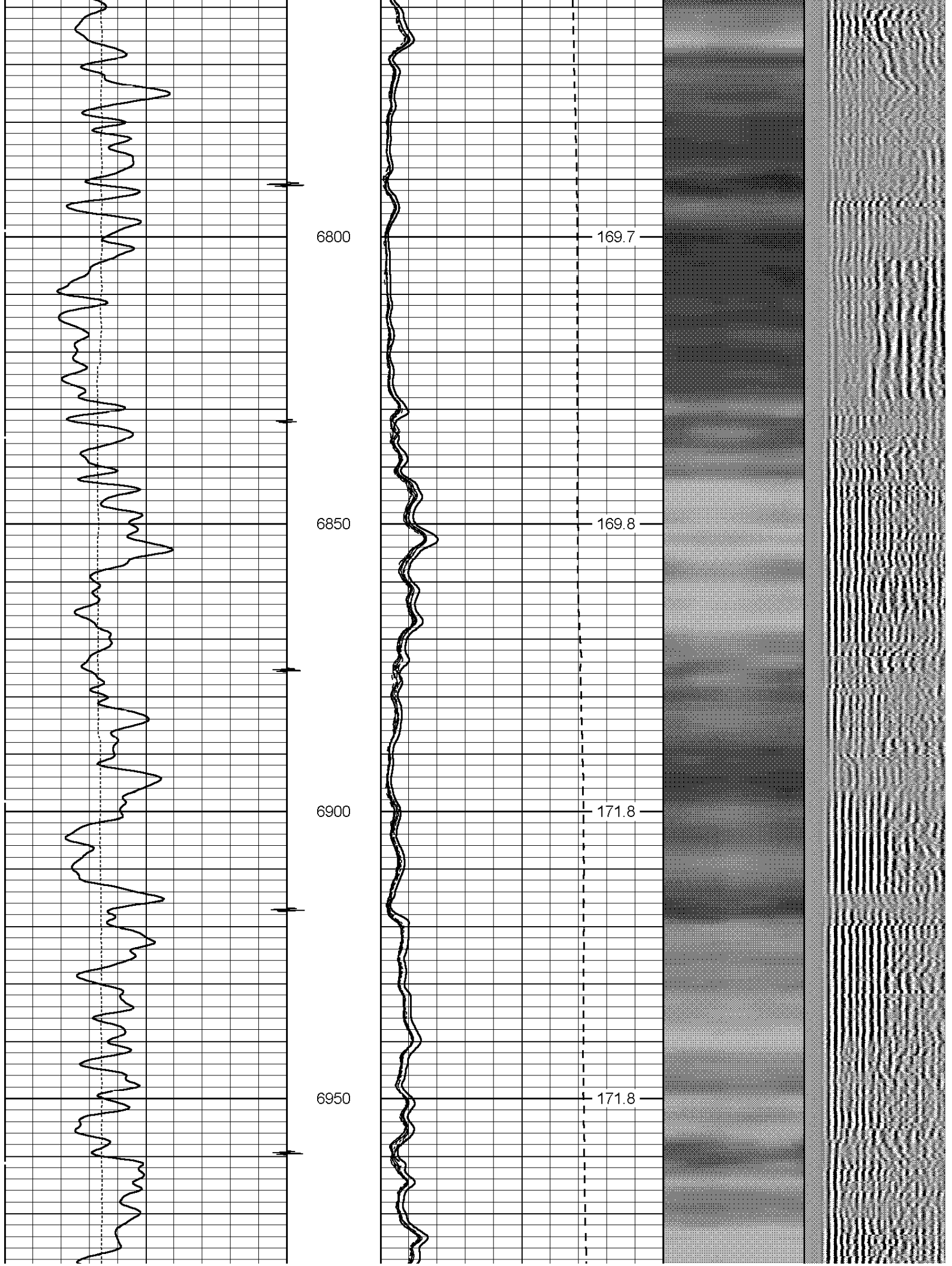


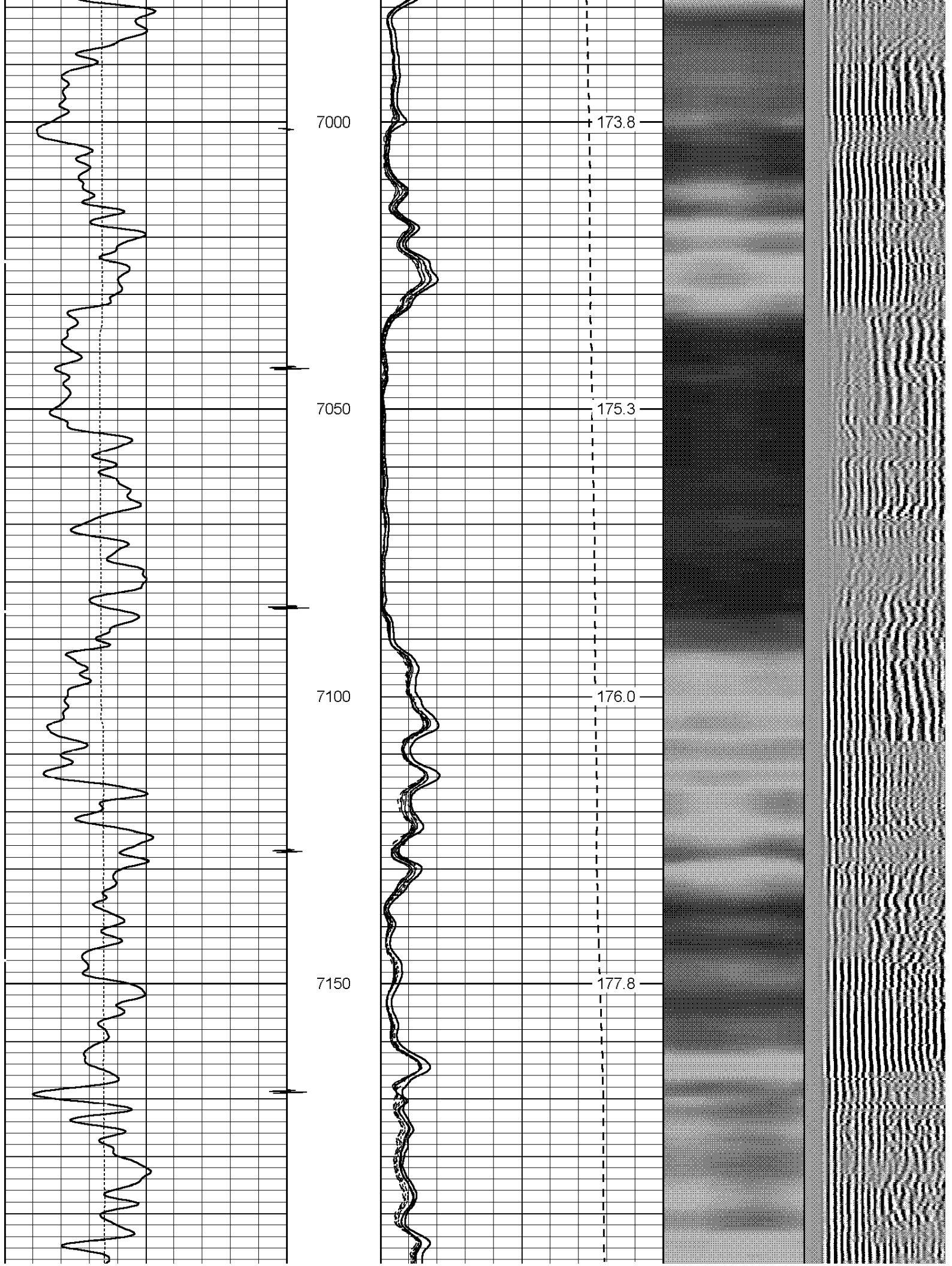


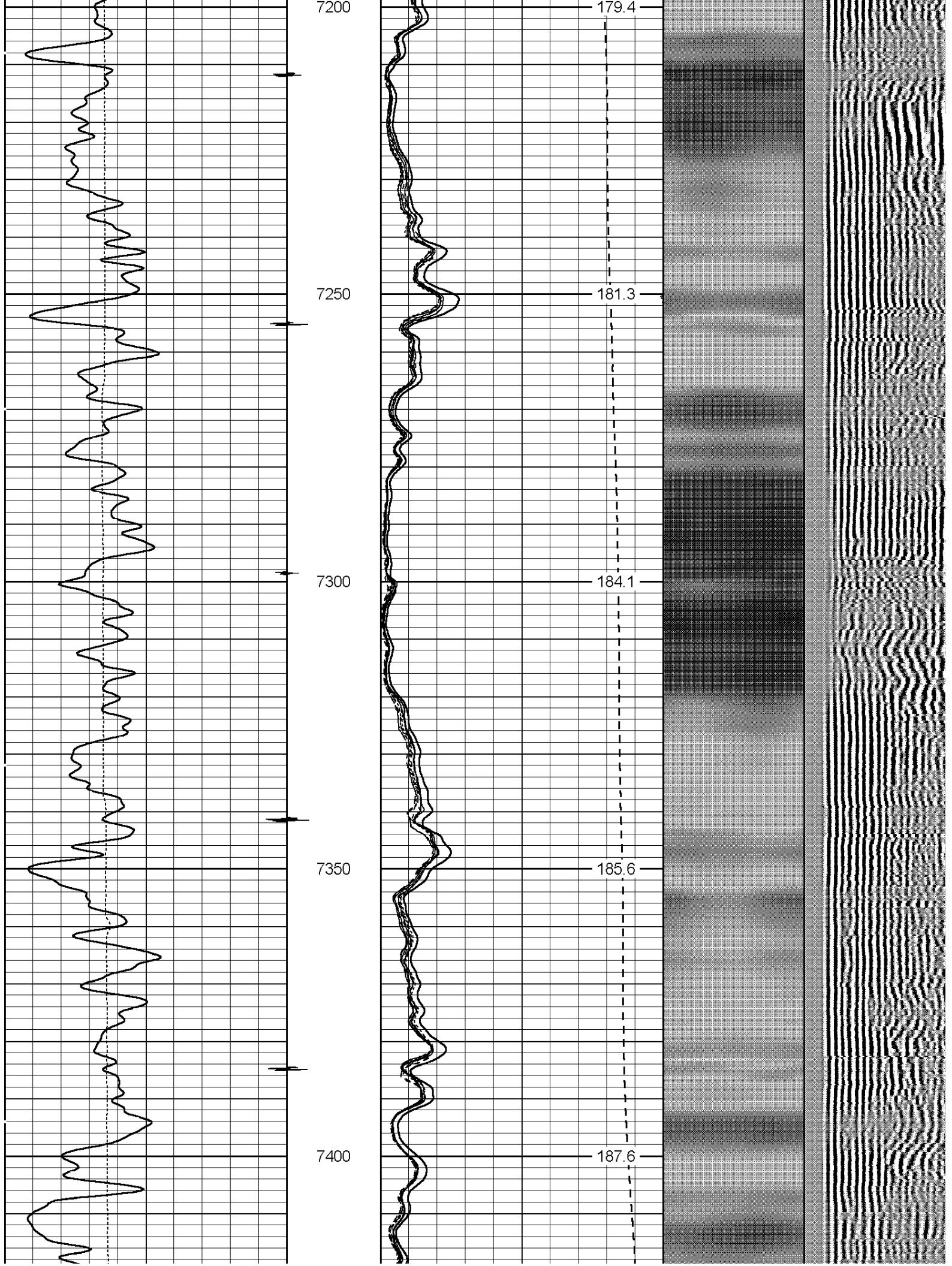




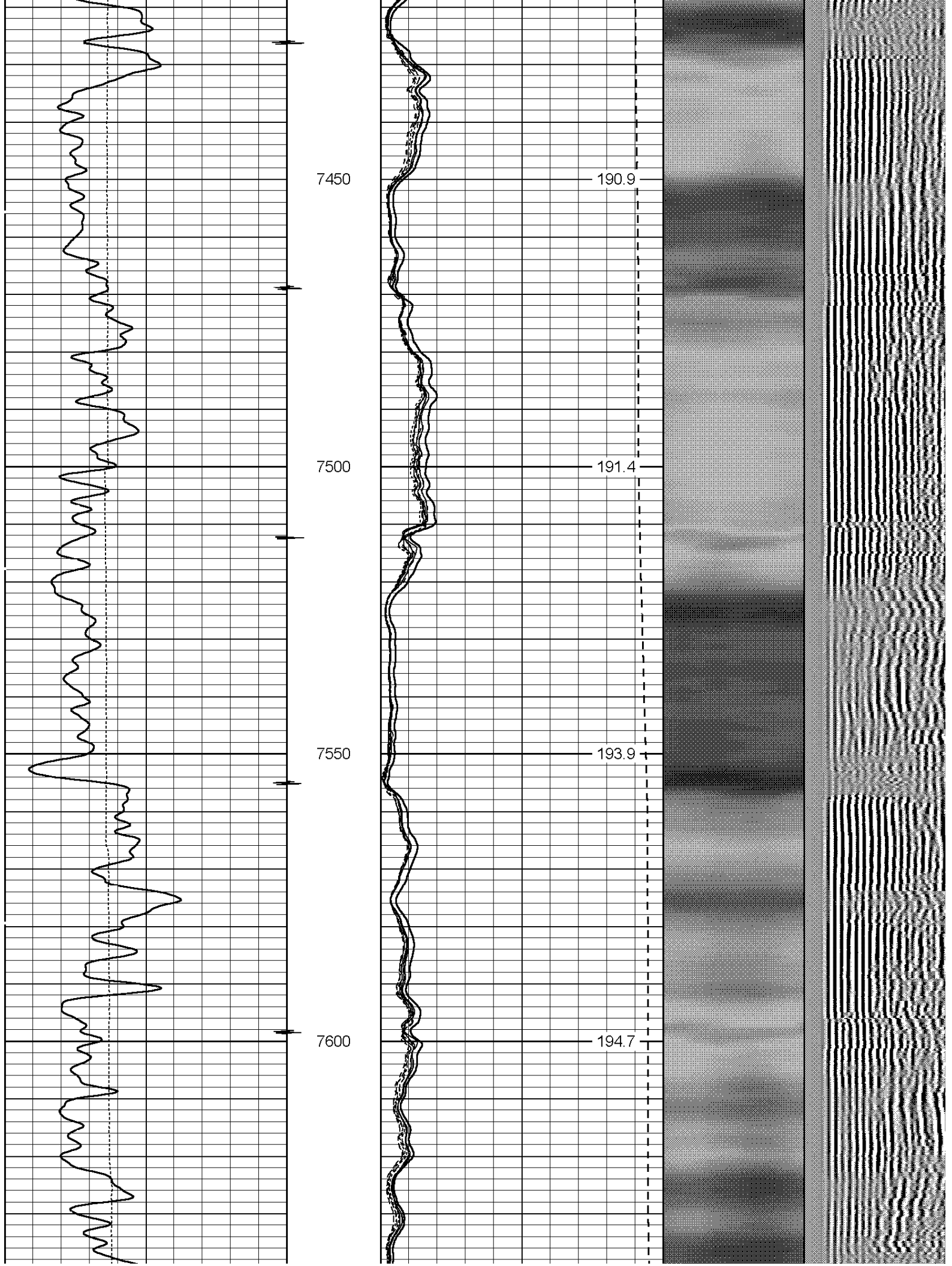


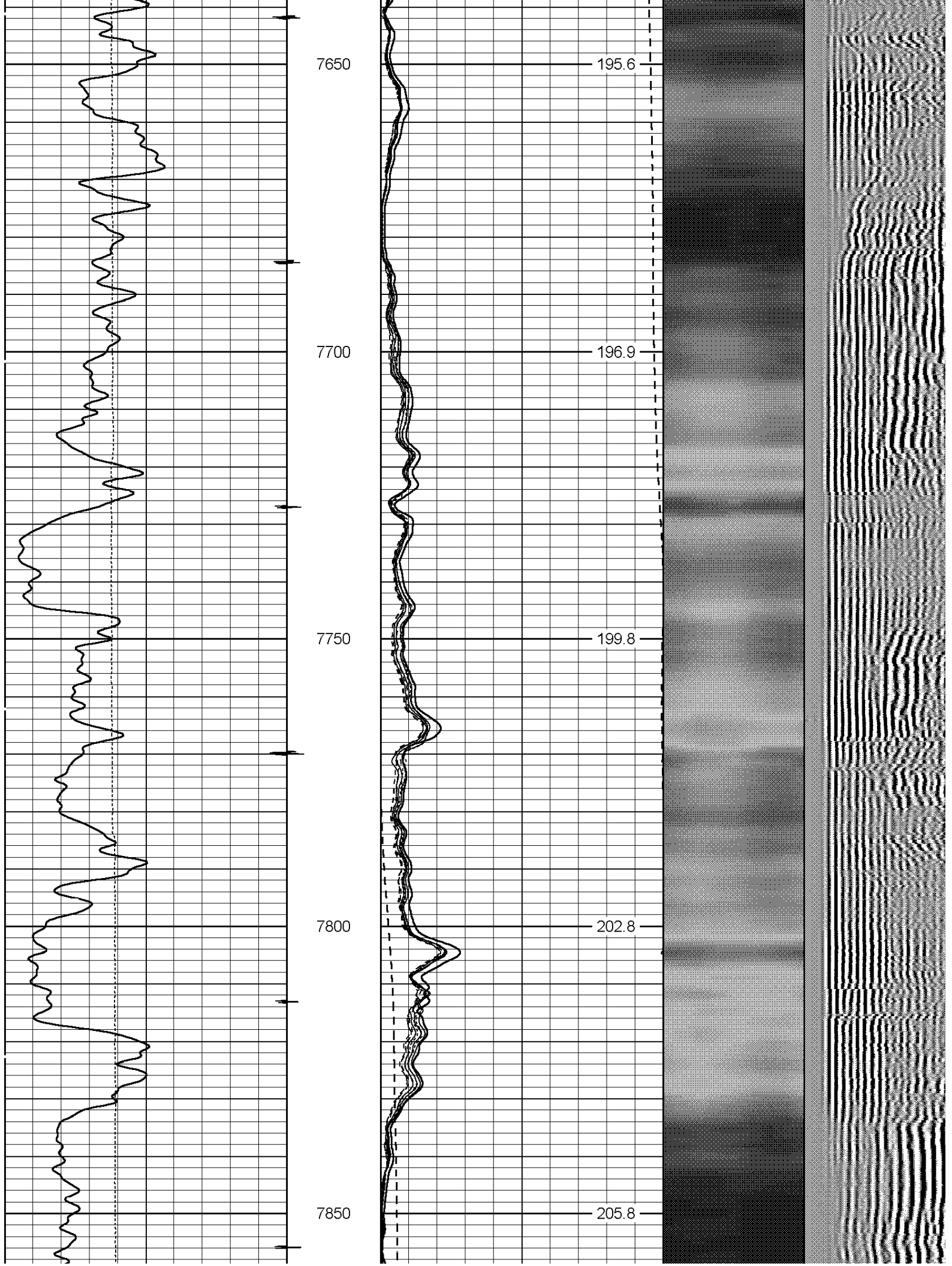


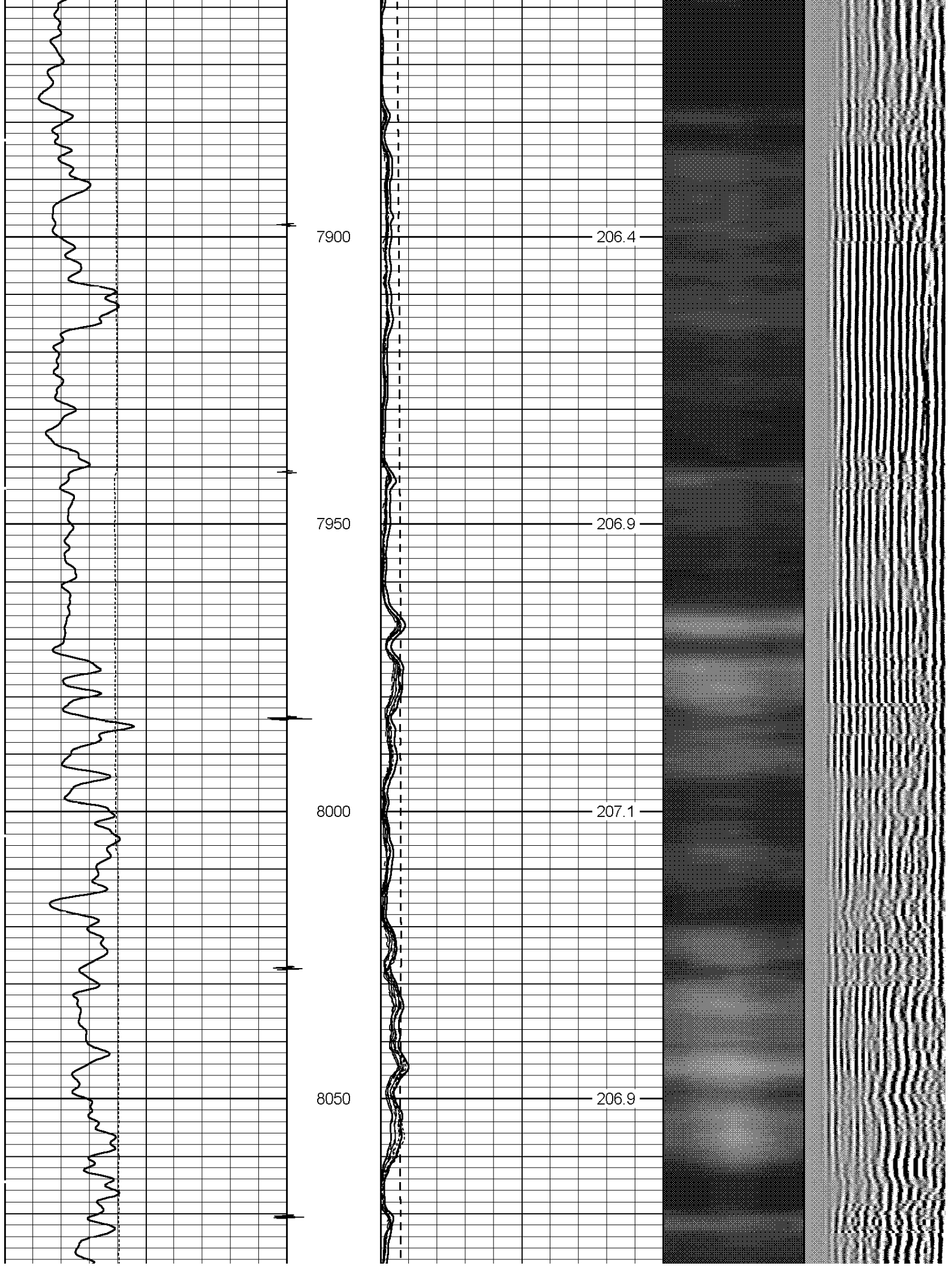


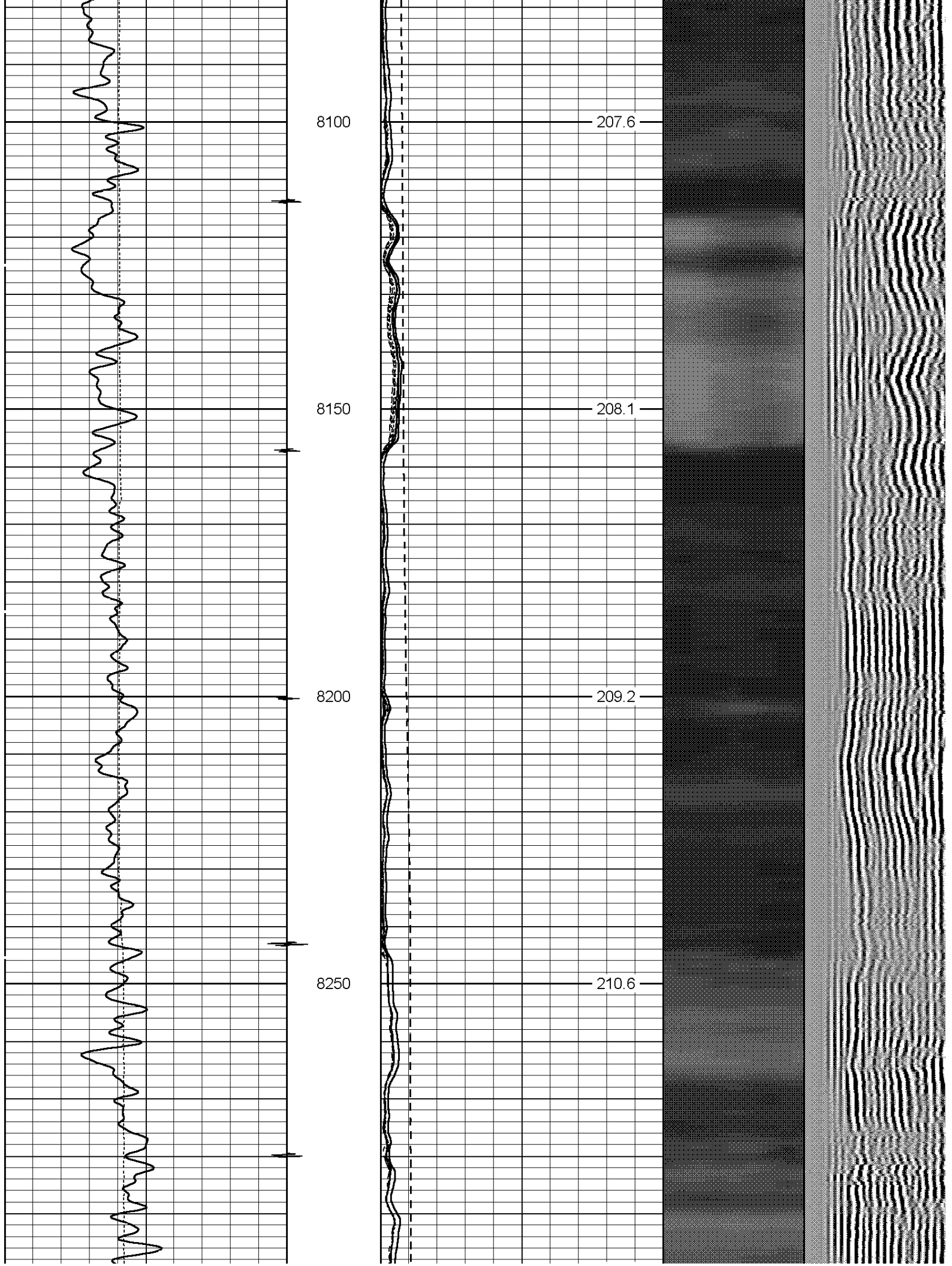




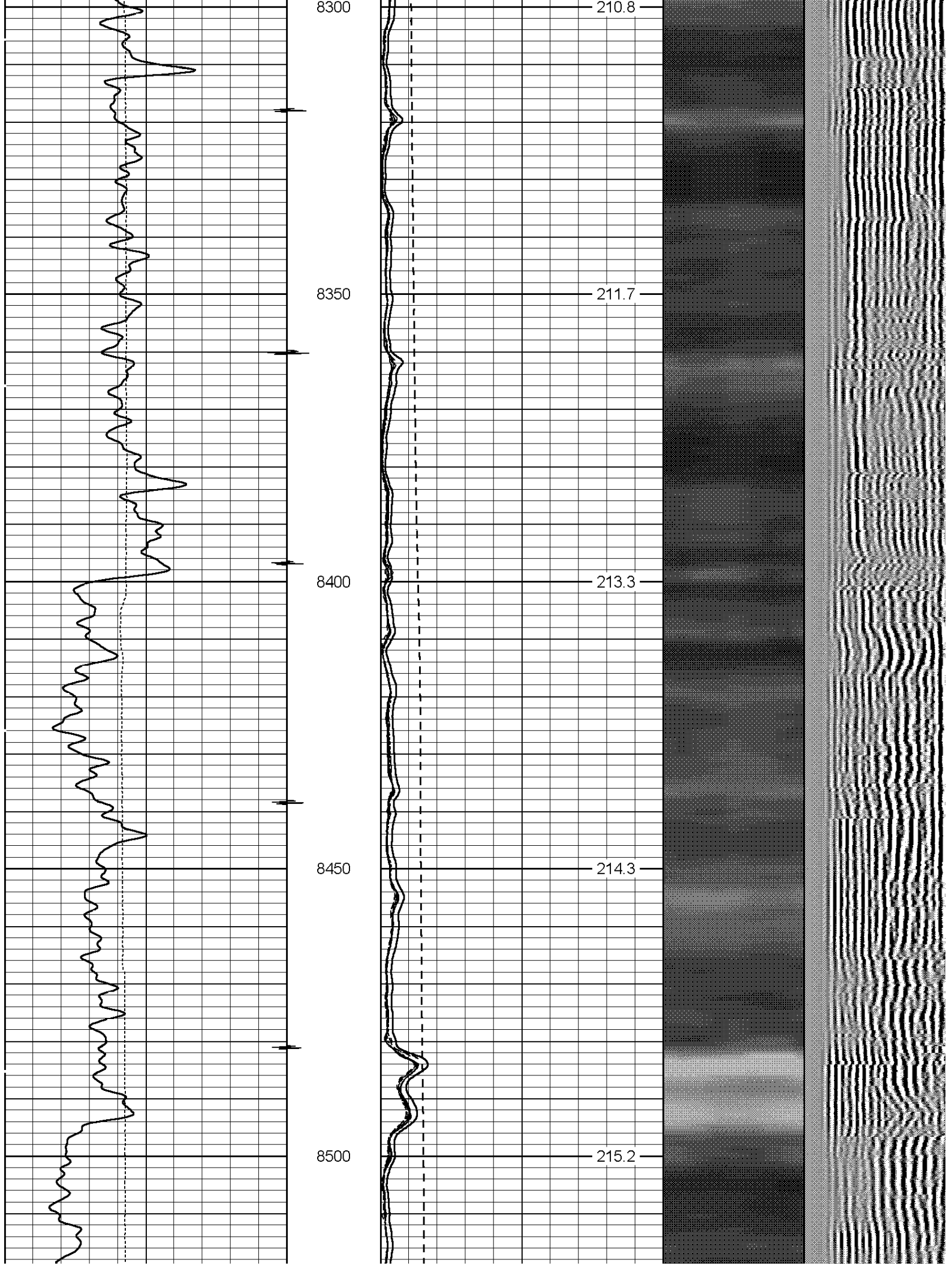


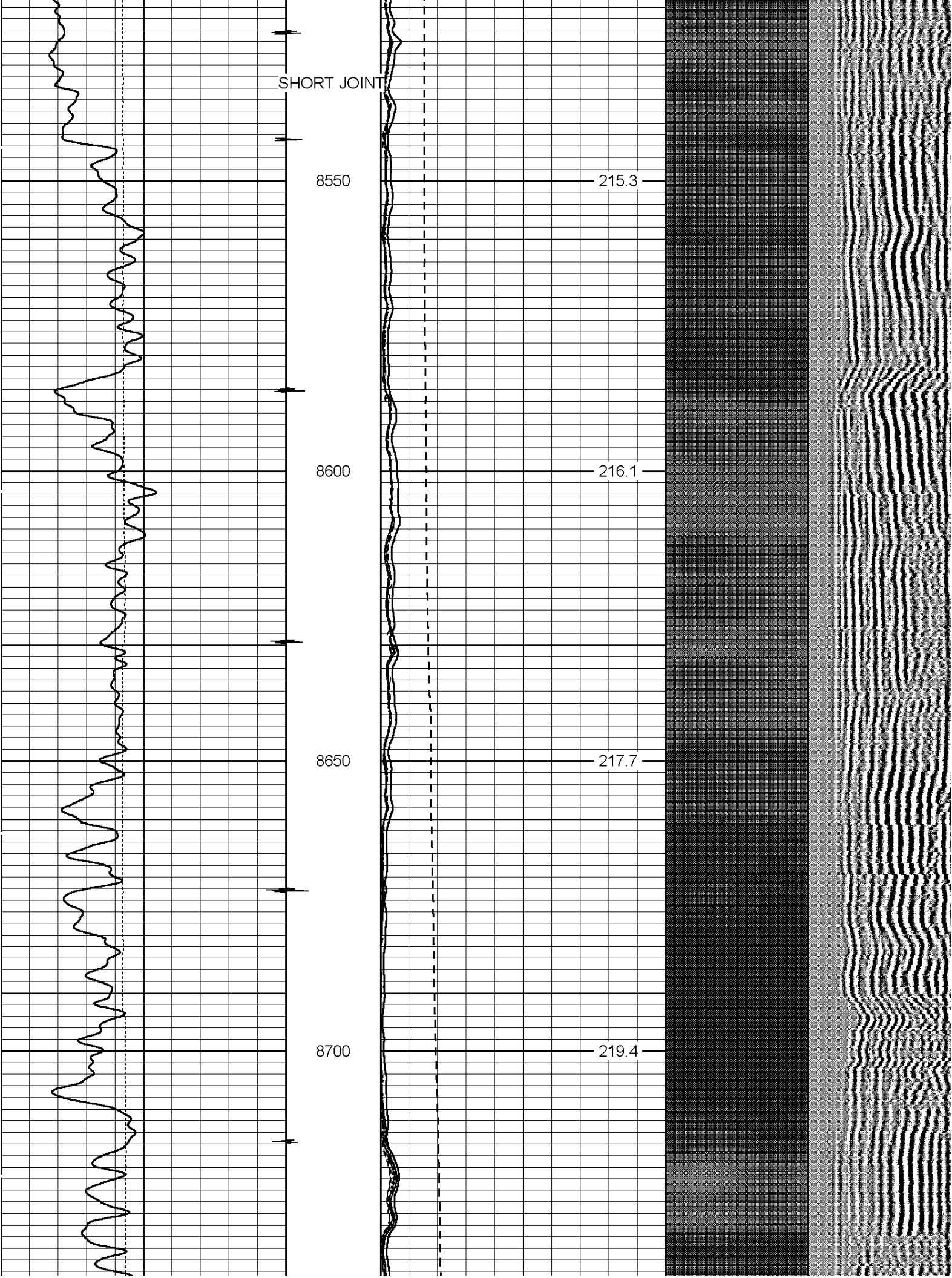


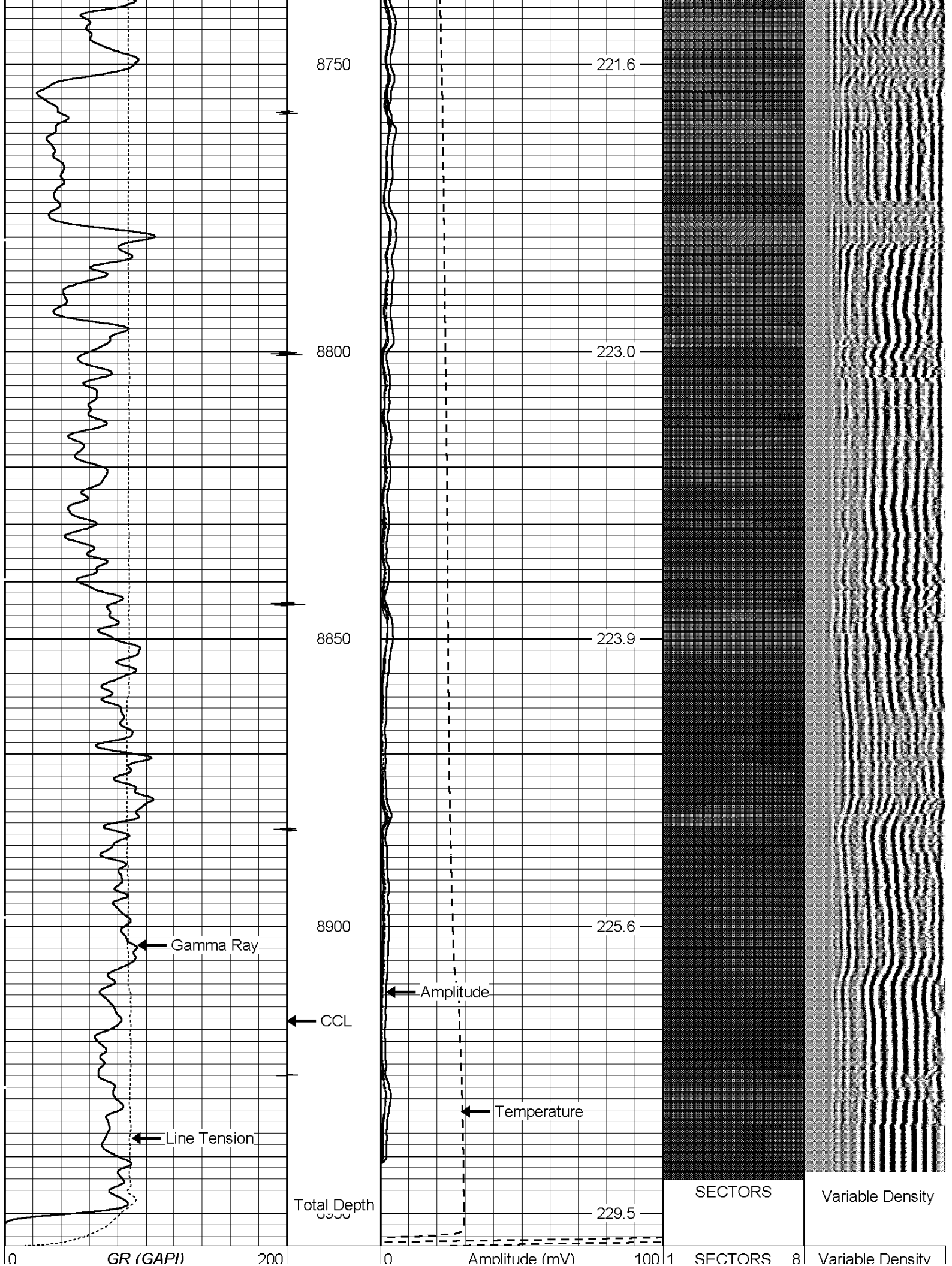








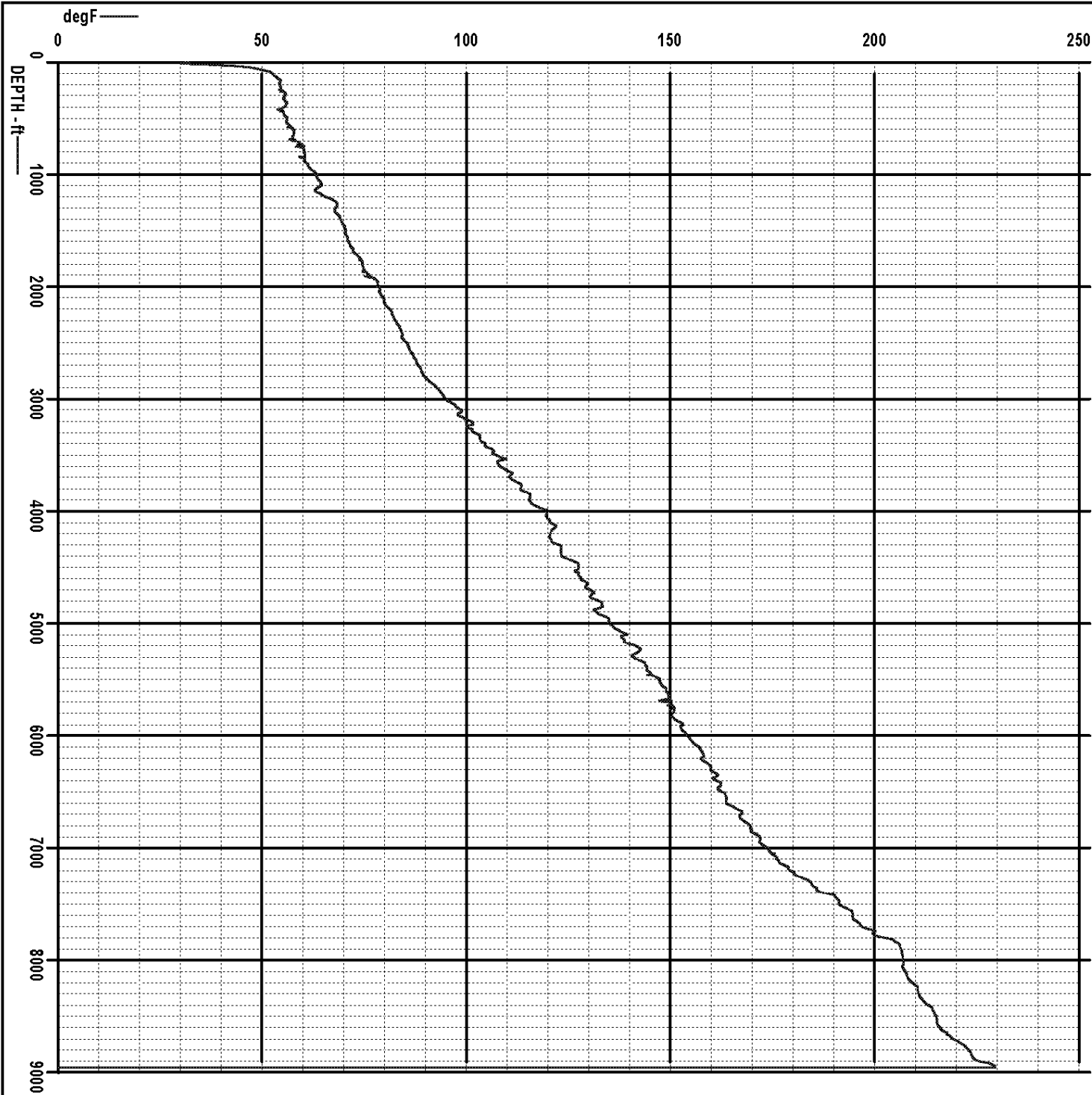




0	LTEN (lb)	5000	0	temp (degF)	100	0	70	200	1200
			0	TT3FT (usec)	212				
CCL			TEMP (degF)						



# TEMPERATURE PLOT



Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
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			TITAN	1.02	1.44	1.00
CCL	21.68		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
WVF3FT	13.92					
WVFS1	13.92		SNDX_RBT-007 (000002) 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					
WVF5FT	12.92					
			SONDEX	2.71	2.75	32.00
GR	5.17		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					

Dataset:
a\_devc3cbl.db: field/well/run1/pass5

Total Length:
23.90 ft

Total Weight:
248.07 lb

O.D.
3.13 in



Company  
Well  
Field  
County  
State

ANTERO RESOURCES CORPORATION  
DEVER C3  
MAMM CREEK  
GARFIELD  
COLORADO