



Mesa Wireline

CEMENT BOND LOG

Company	ANTERO RESOURCES	Company	ANTERO RESOURCES			
Well	DIXON A5	Well	DIXON A5			
Field	MAMM CREEK	Field	MAMM CREEK			
County	GARFIELD	County	GARFIELD			
State	CO	State	CO			
Location:		API #: 05-045-14888-0000	Other Services			
SEC: 18 TWP: 6S RGE: 92W		SHL: 1525' FNL & 1662' FEL	NONE			
BHL: 1793' FNL & 595' FWL		GROUND LEVEL Elevation = 5534'				
Permanent Datum	KELLY BUSHING = 24'	Elevation	K.B. 5558'			
Log Measured From	KELLY BUSHING		D.F. 5557'			
Drilling Measured From	KELLY BUSHING		G.L. 5534'			
Date	30 JULY 2012					
Run Number	ONE					
Depth Driller	8037'					
Depth Logger	7922'					
Bottom Logged Interval	7922'					
Top Log Interval	SURFACE					
Open Hole Size	24"					
Type Fluid	WATER					
Density / Viscosity	8.34					
Max. Recorded Temp.	237.5 DegF					
Estimated Cement Top	SEE LOG					
Time Well Ready	0800					
Time Logger on Bottom	0930					
Equipment Number	W062					
Location	GRAND JUNCTION					
Recorded By	L. MAVROS					
Witnessed By	N. RENFRO					
Borehole Record		Tubing Record				
Run Number	Bit	To	Size	Weight	From	To
UNK						
Casing Record	Size	Wgt/Ft	Top	Bottom		
Surface String	8.625"	32 #	SURFACE	1075'		
Prot. String	N/A					
Production String	4.5"	11.6 #	SURFACE	7928'		
Liner	N/A					

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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 CORRELATED TO WEATHERFORD OPEN HOLE LOG DATED 7 JULY 2012 AT 6099'

SHORT JOINTS LOGGED AT

7500' TO 7524'

6350' TO 6372'

5193' TO 5216'

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

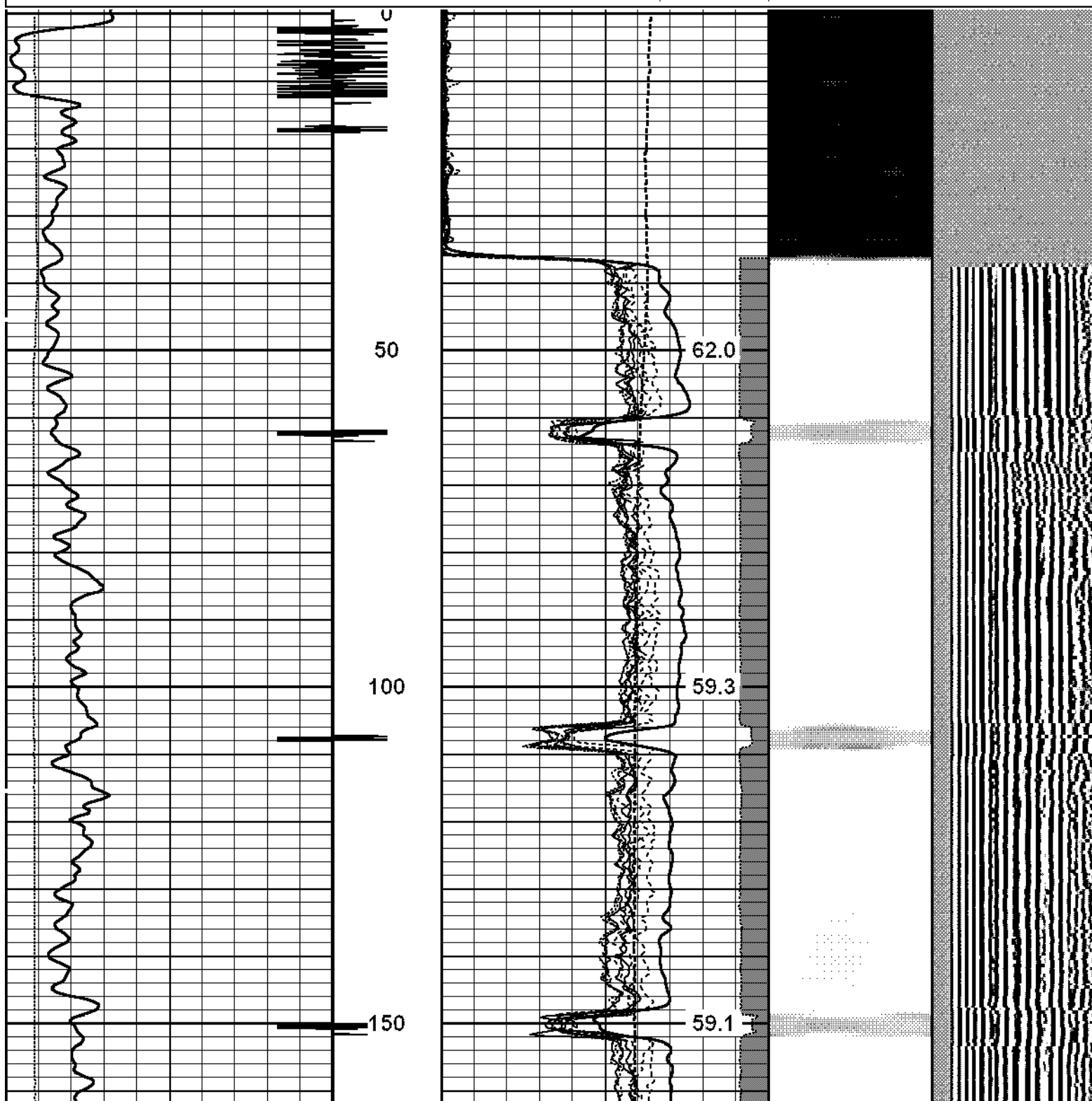


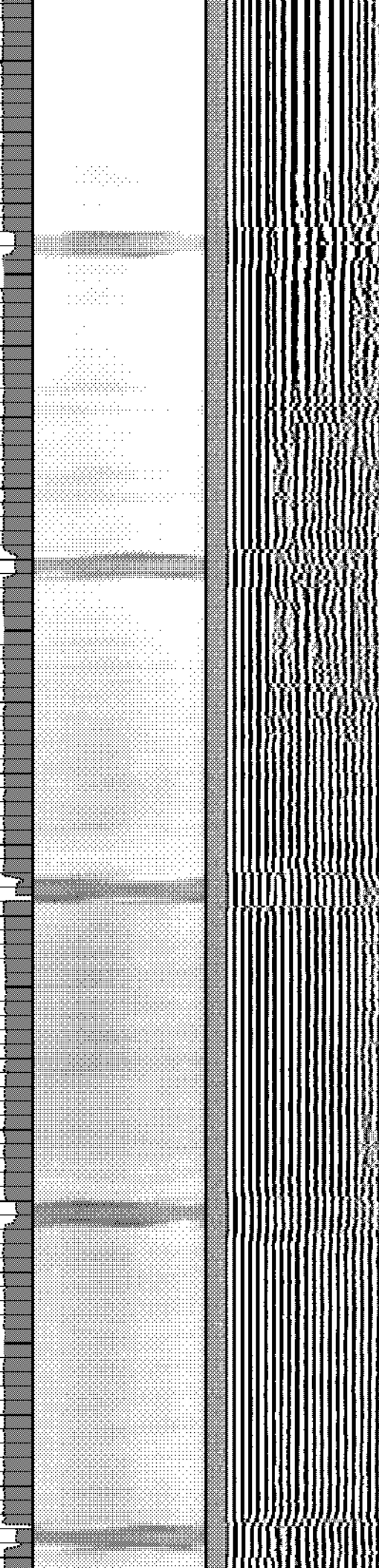
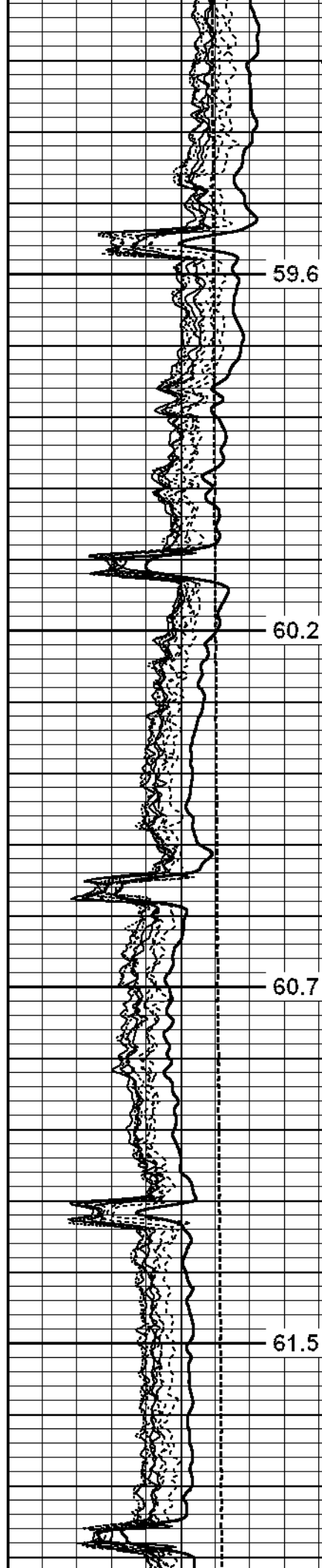
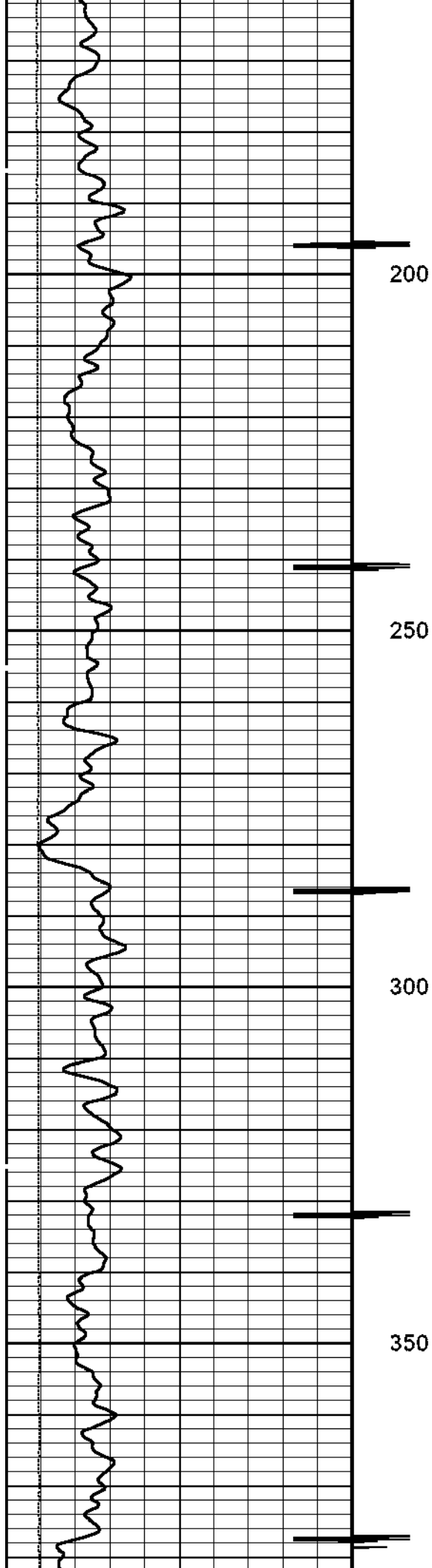
MAIN LOG PASS

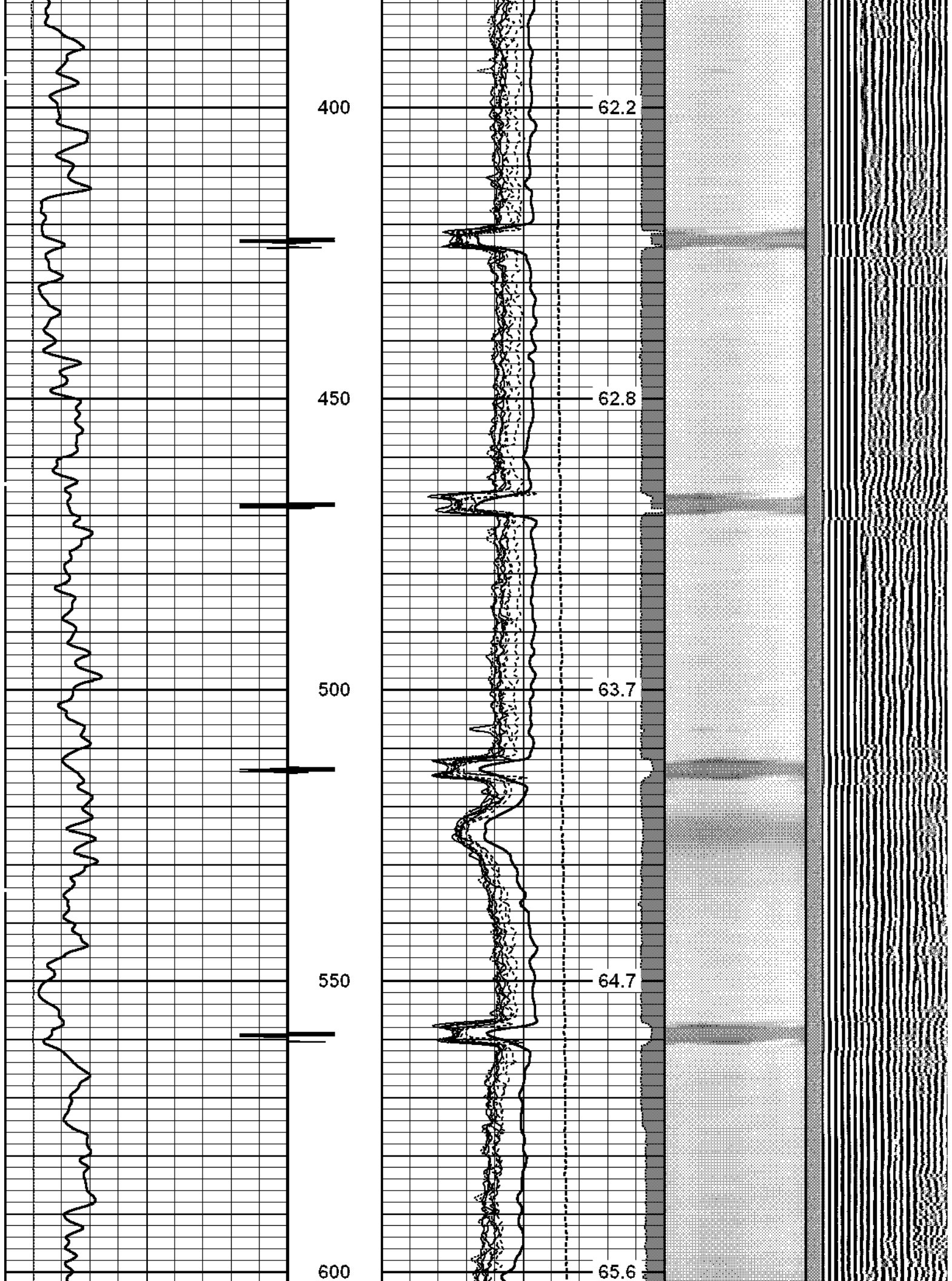
5" = 100'

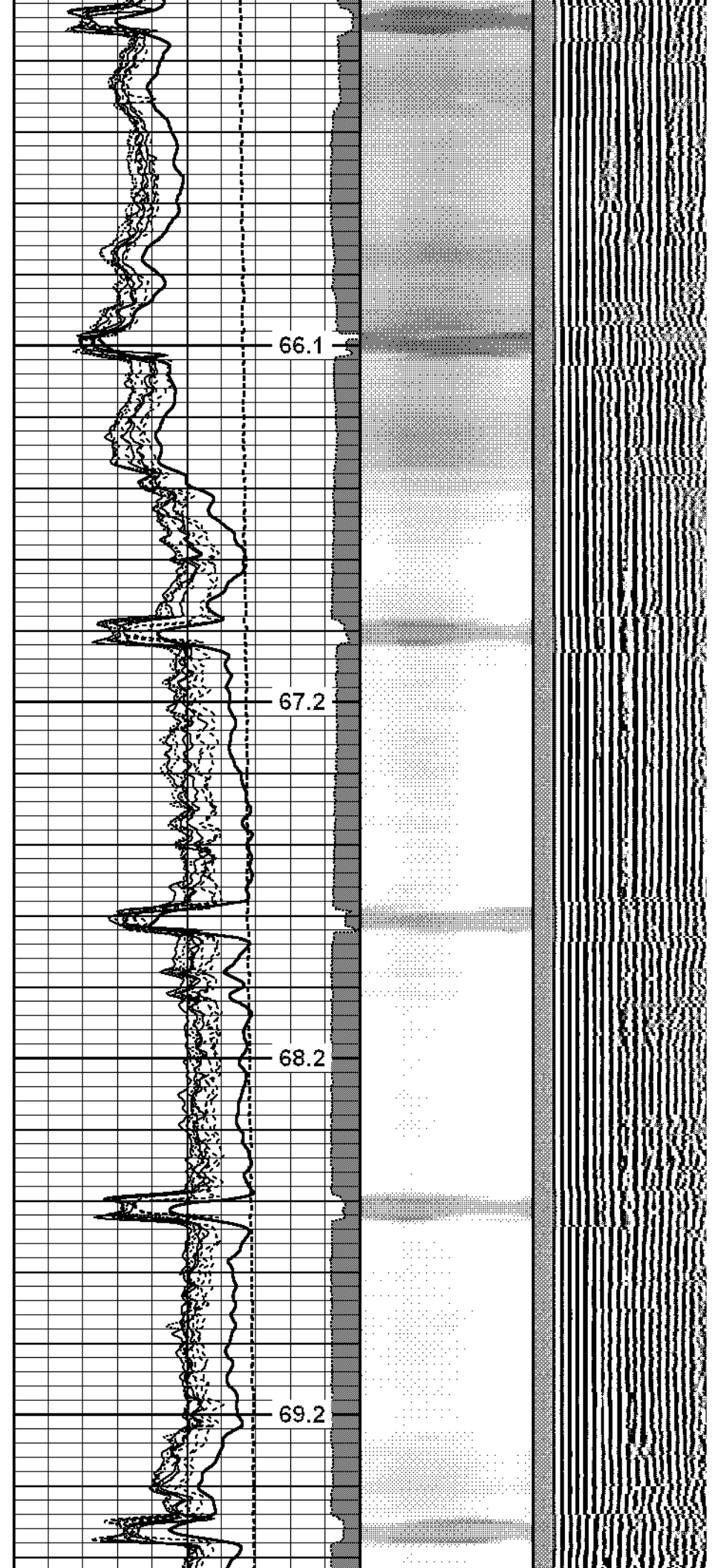
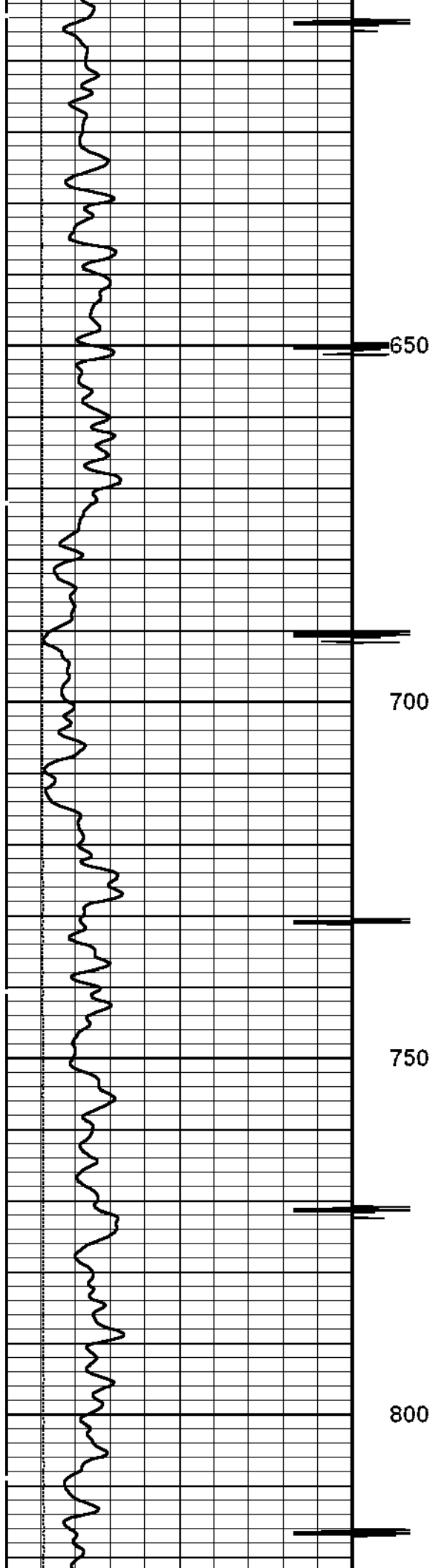
Database File: dixon a5 cbl.db
 Dataset Pathname: pass11
 Presentation Format: rbtfinal
 Dataset Creation: Mon Jul 30 11:45:21 2012 by Log Std Casedhole 08121
 Charted by: Depth in Feet scaled 1:240

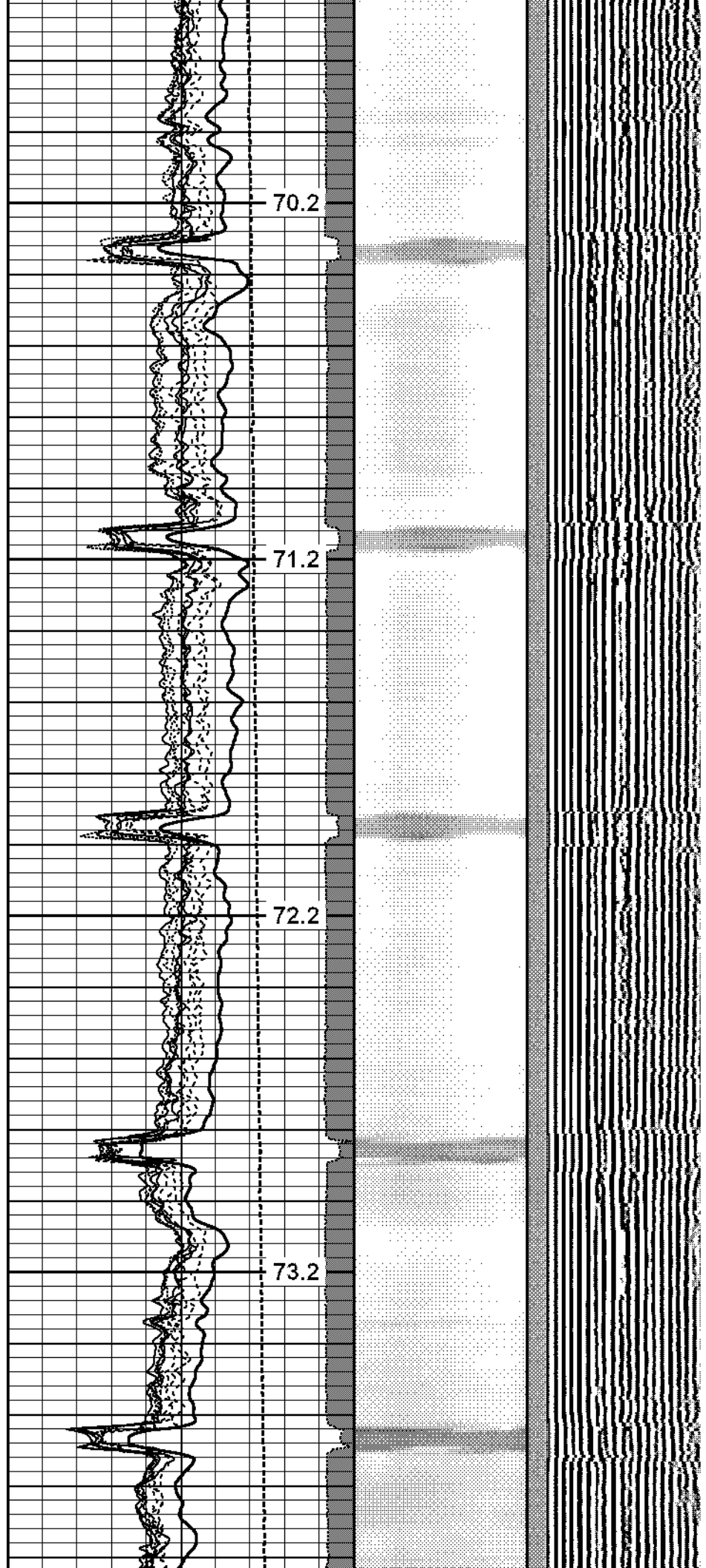
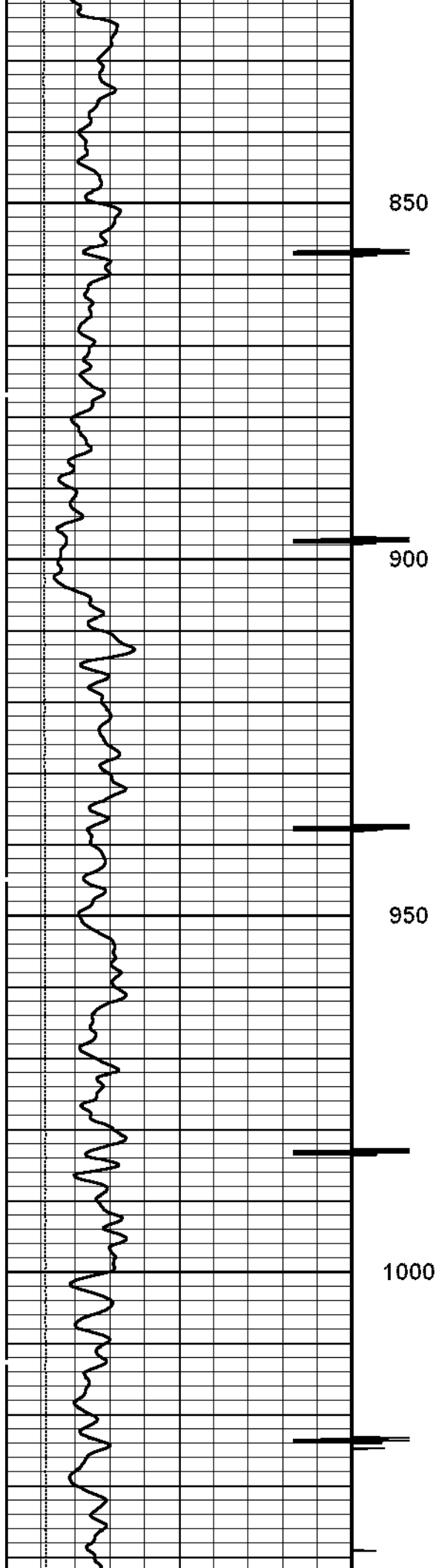
0	GR (GAPI)	200	0	Amplitude (mV)	100	1	SECTORS	8	variable Density
0	LTEN (lb)	5000	0	temp (degF)	100	0	82	200	1200
		CCL	0	TT3FT (usec)	205				
				TEMP					
				(degF)					

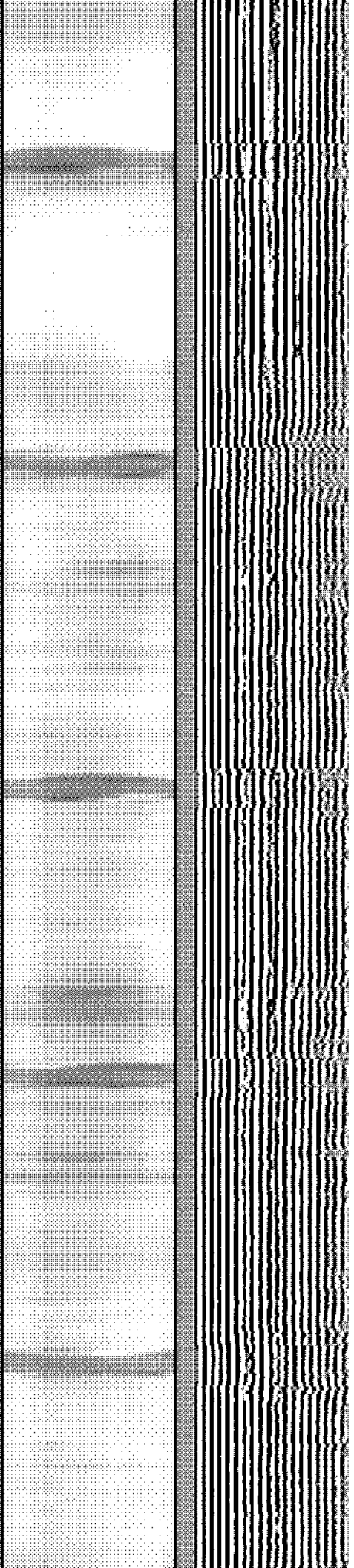
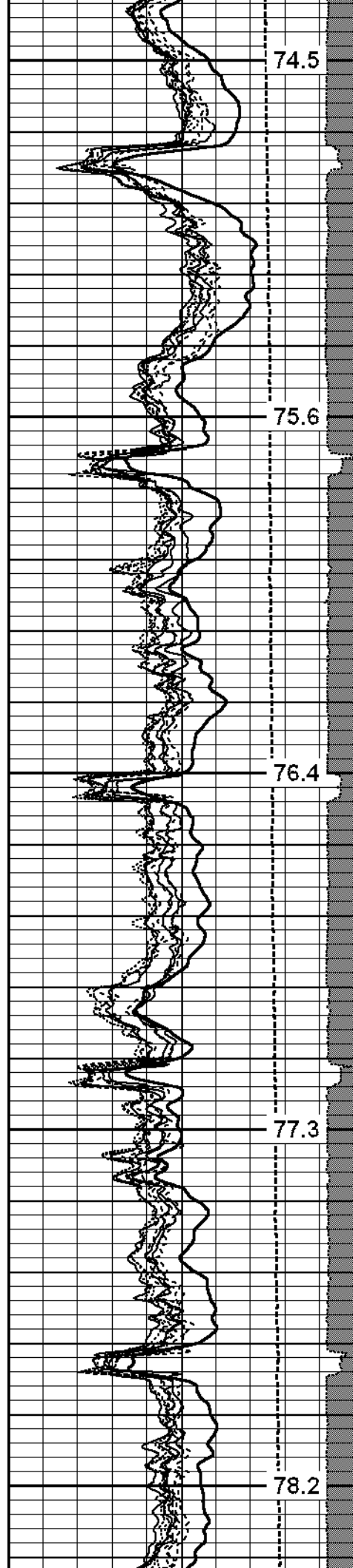
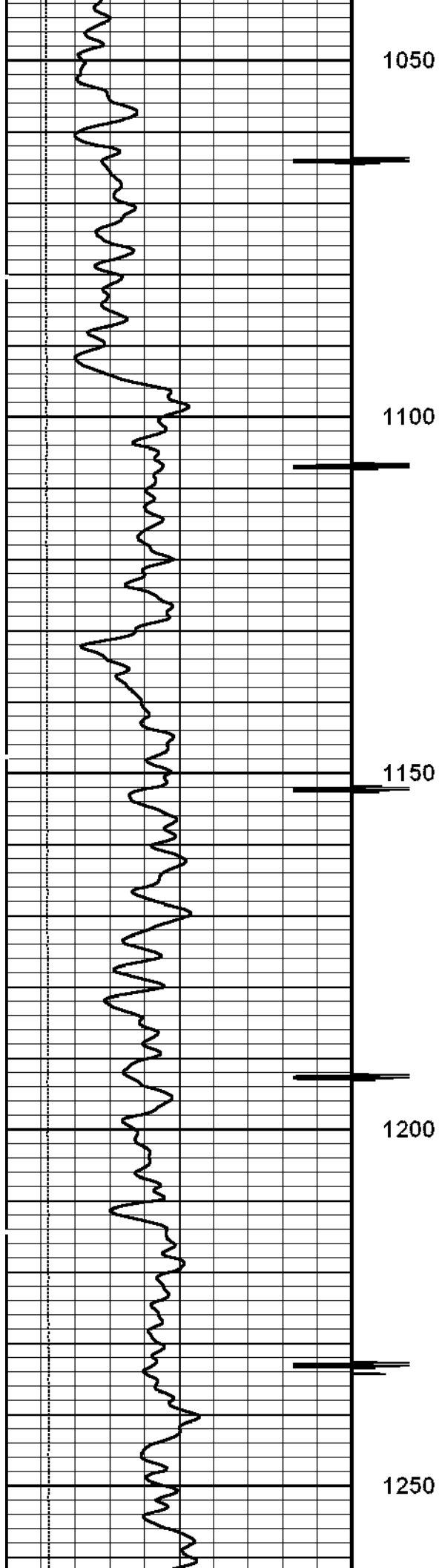


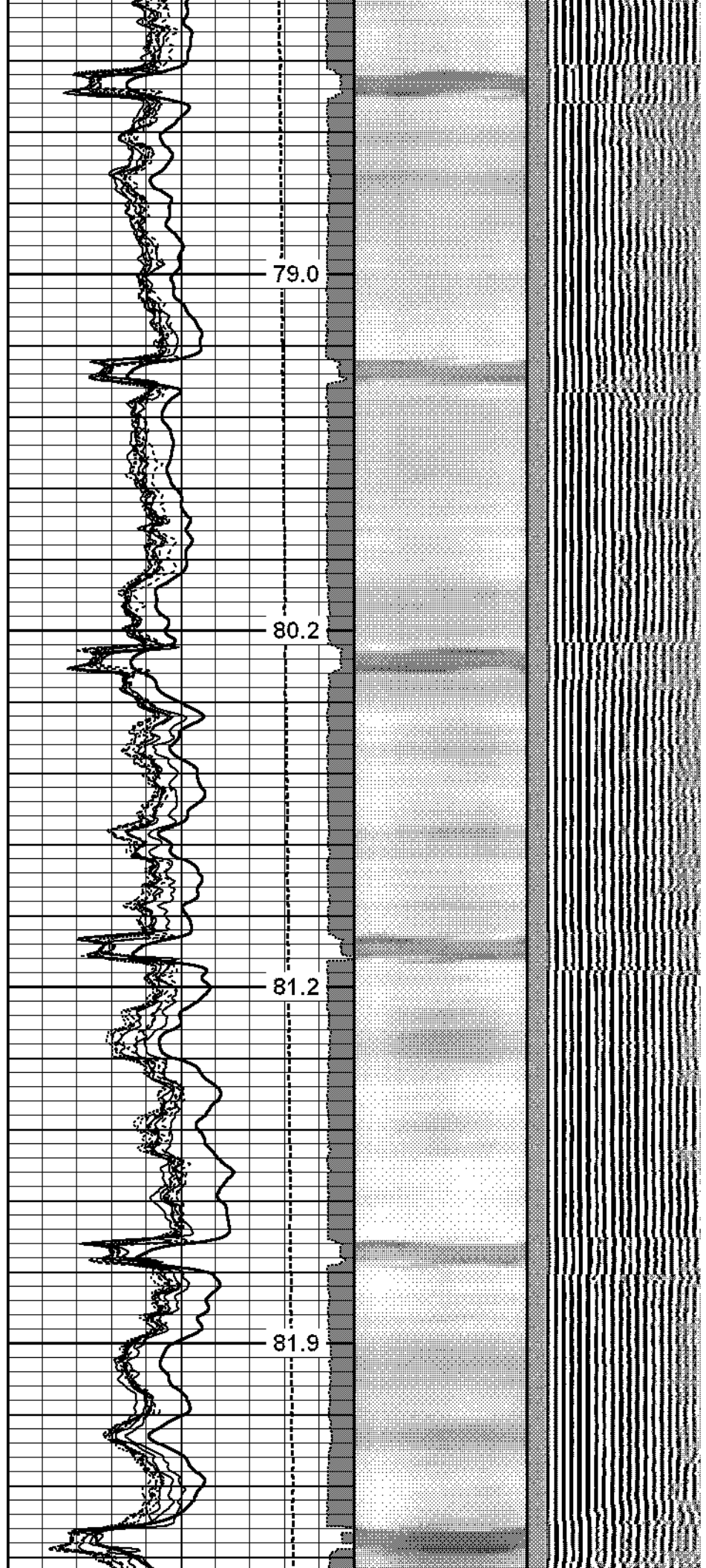
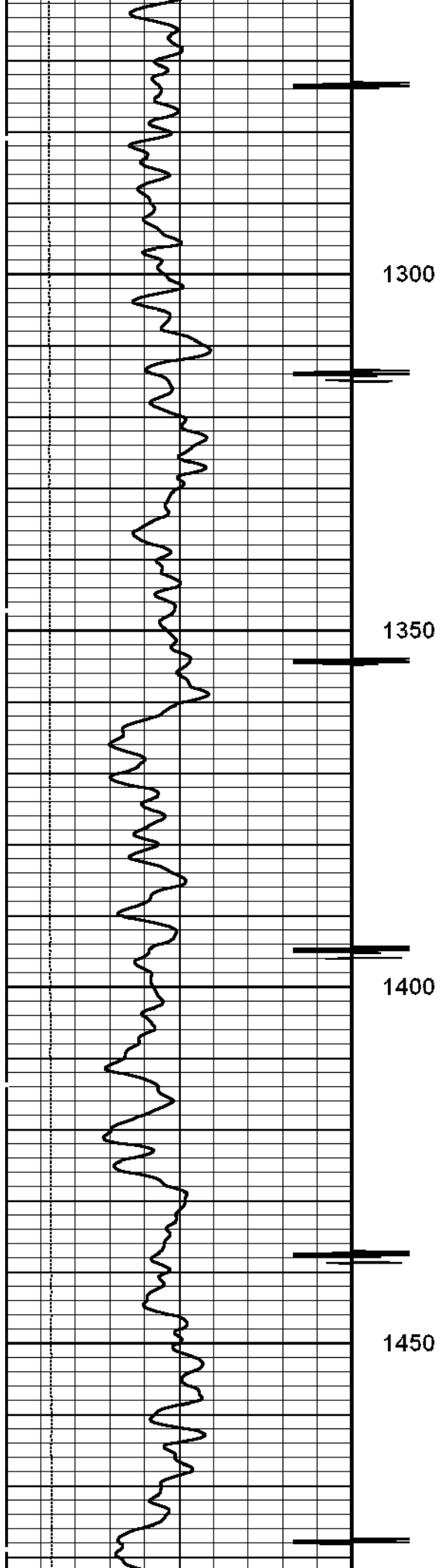


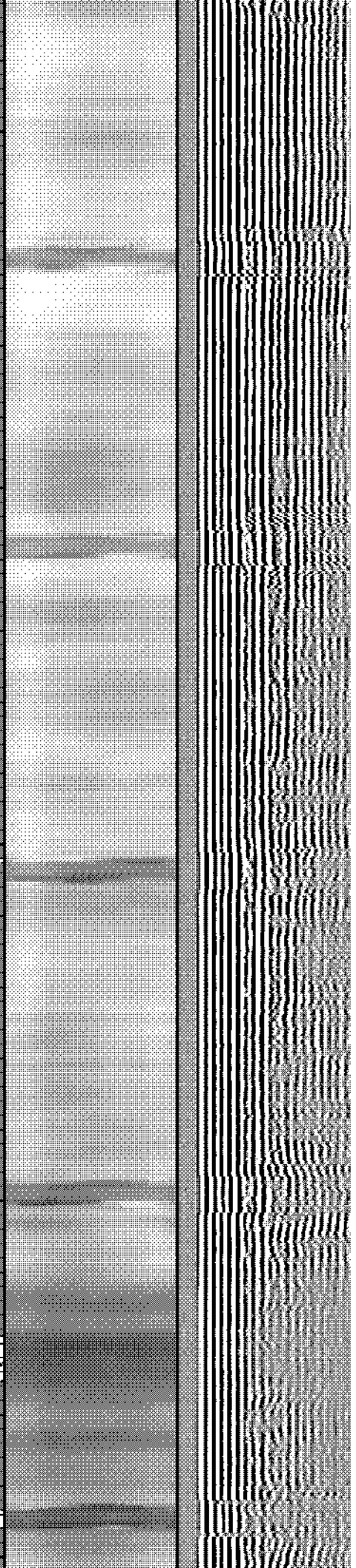
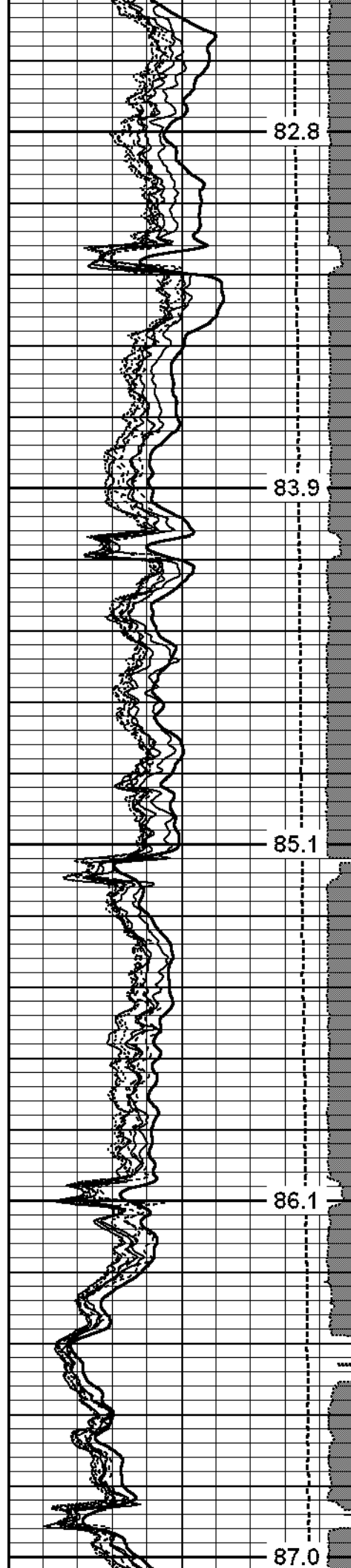
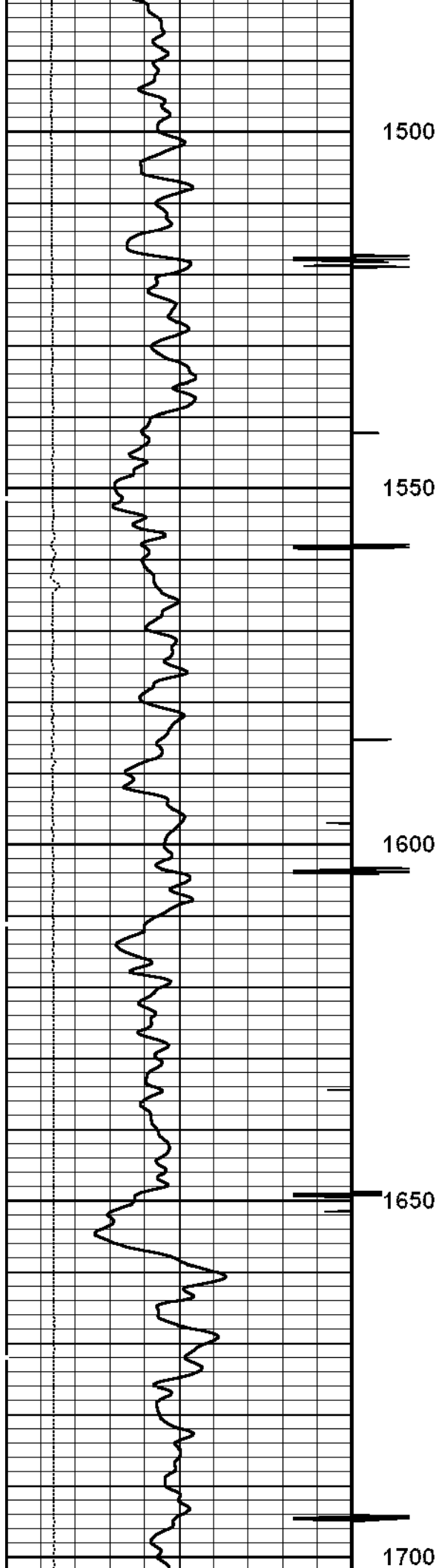


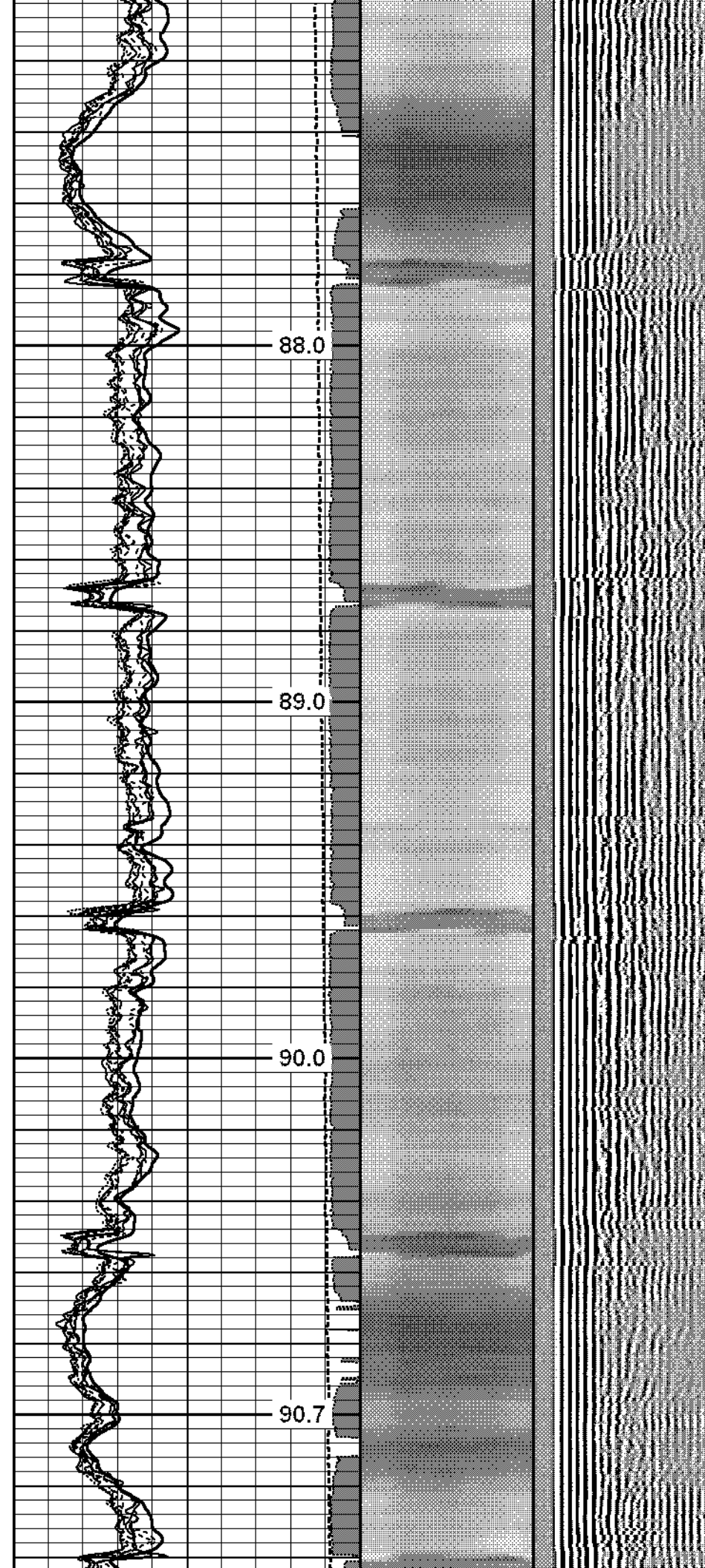
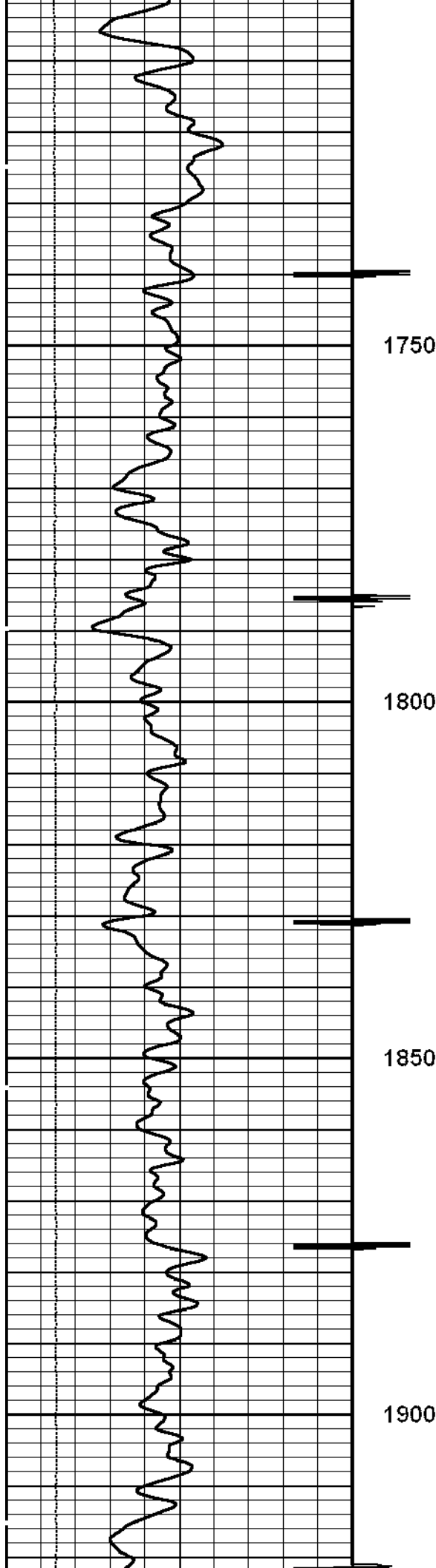


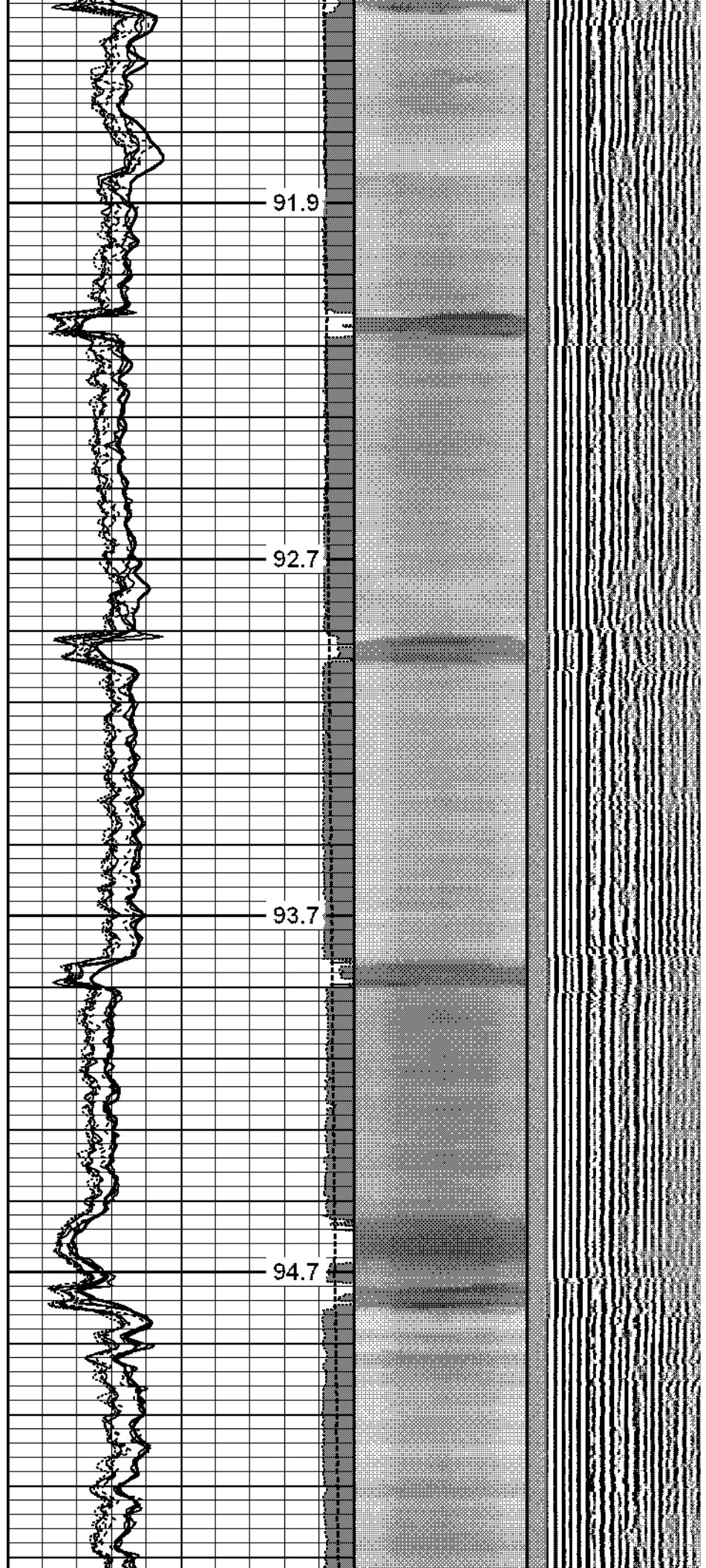
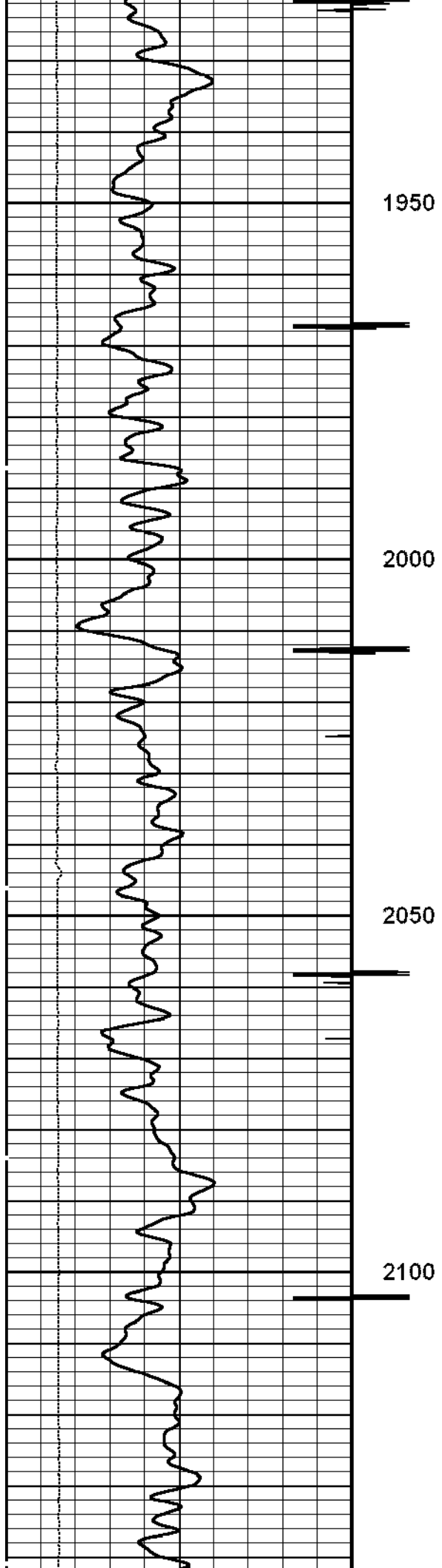


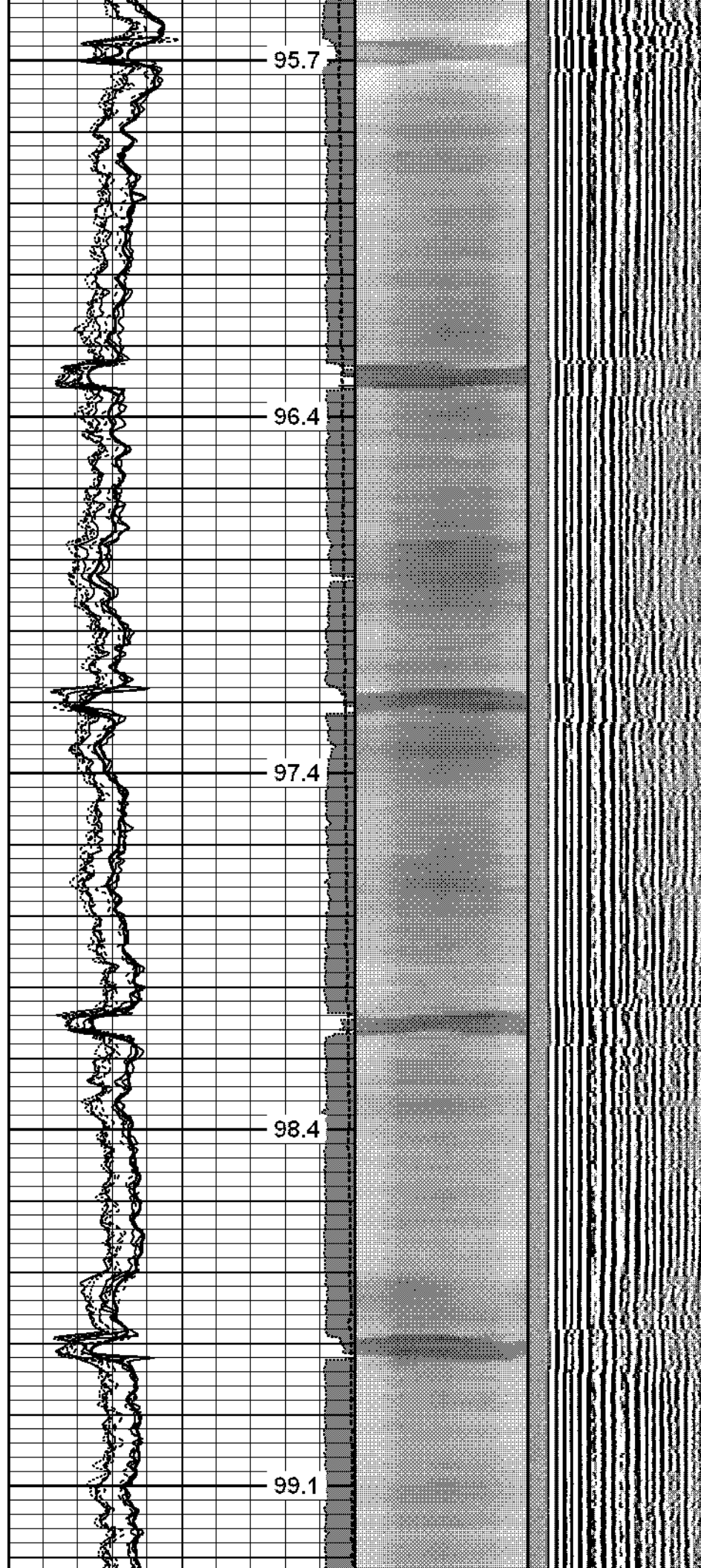
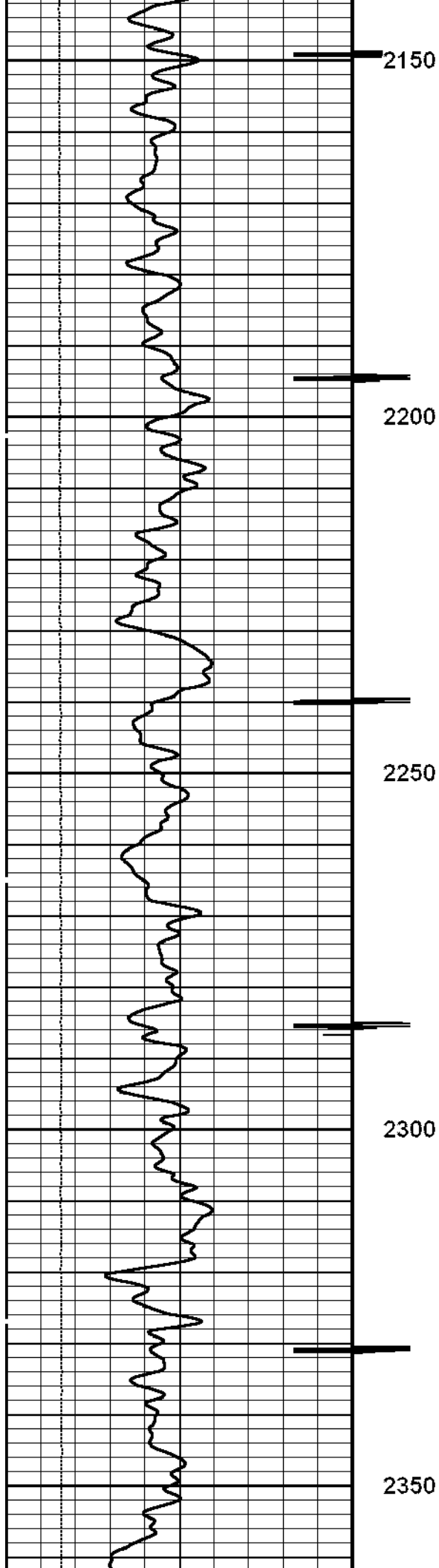


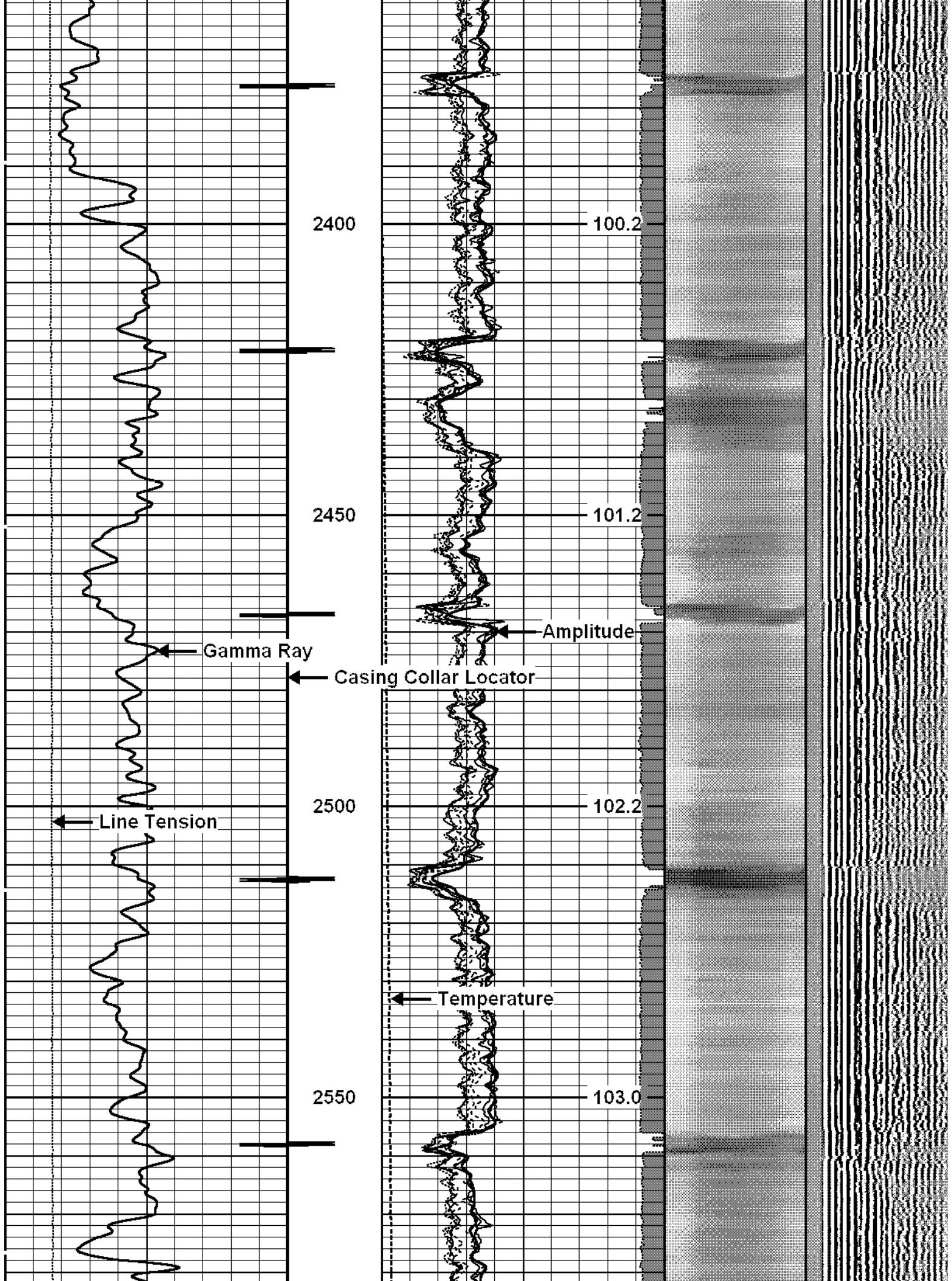


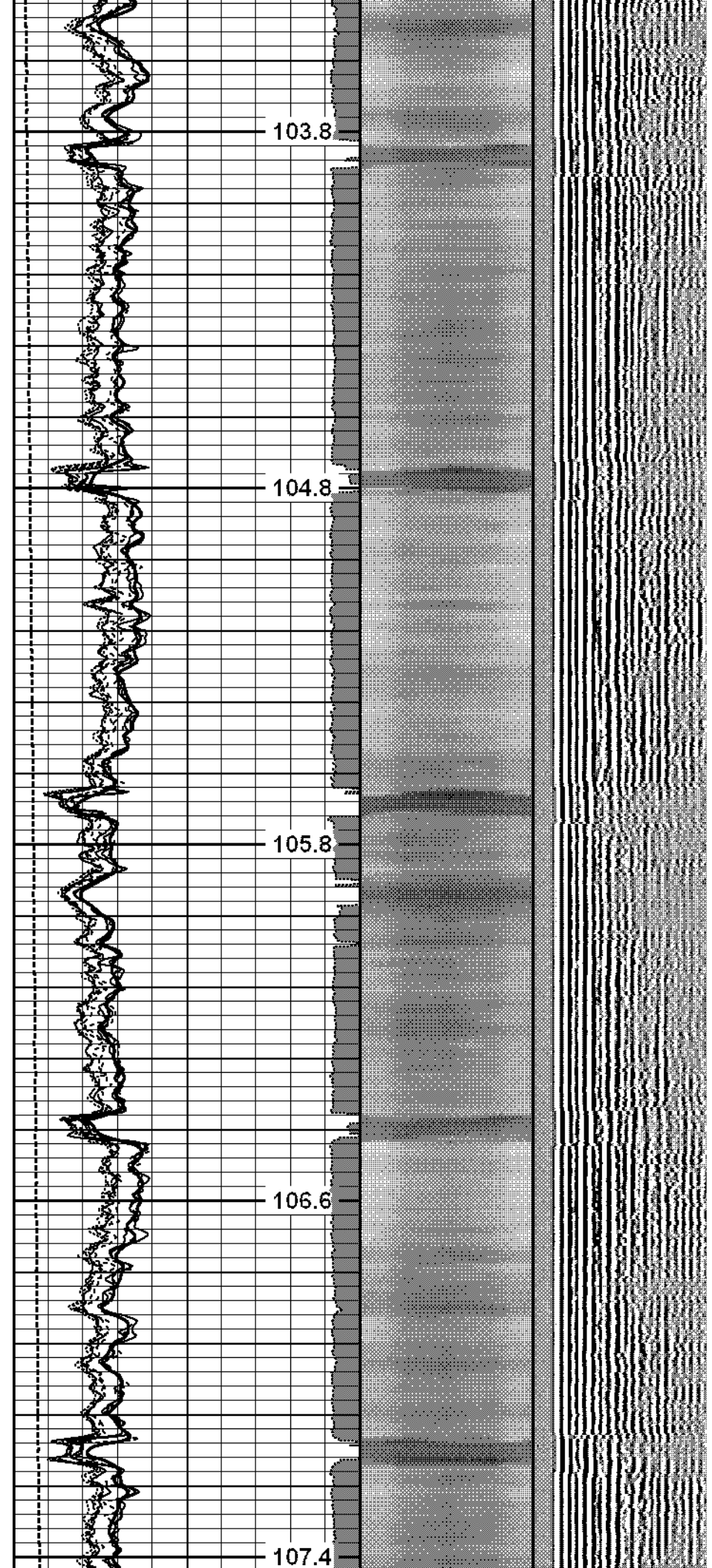
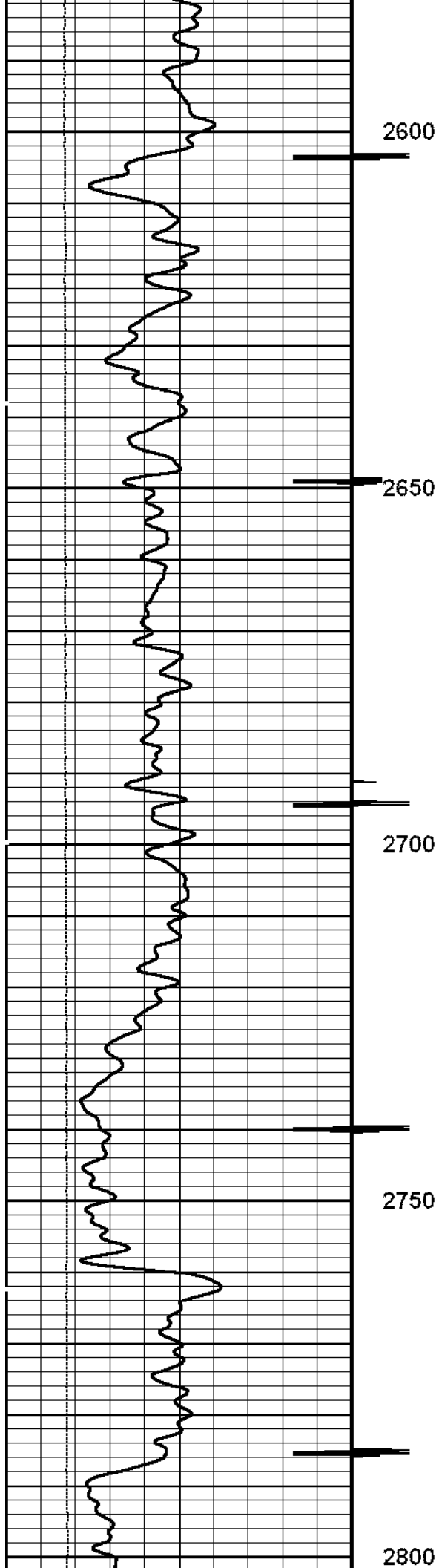


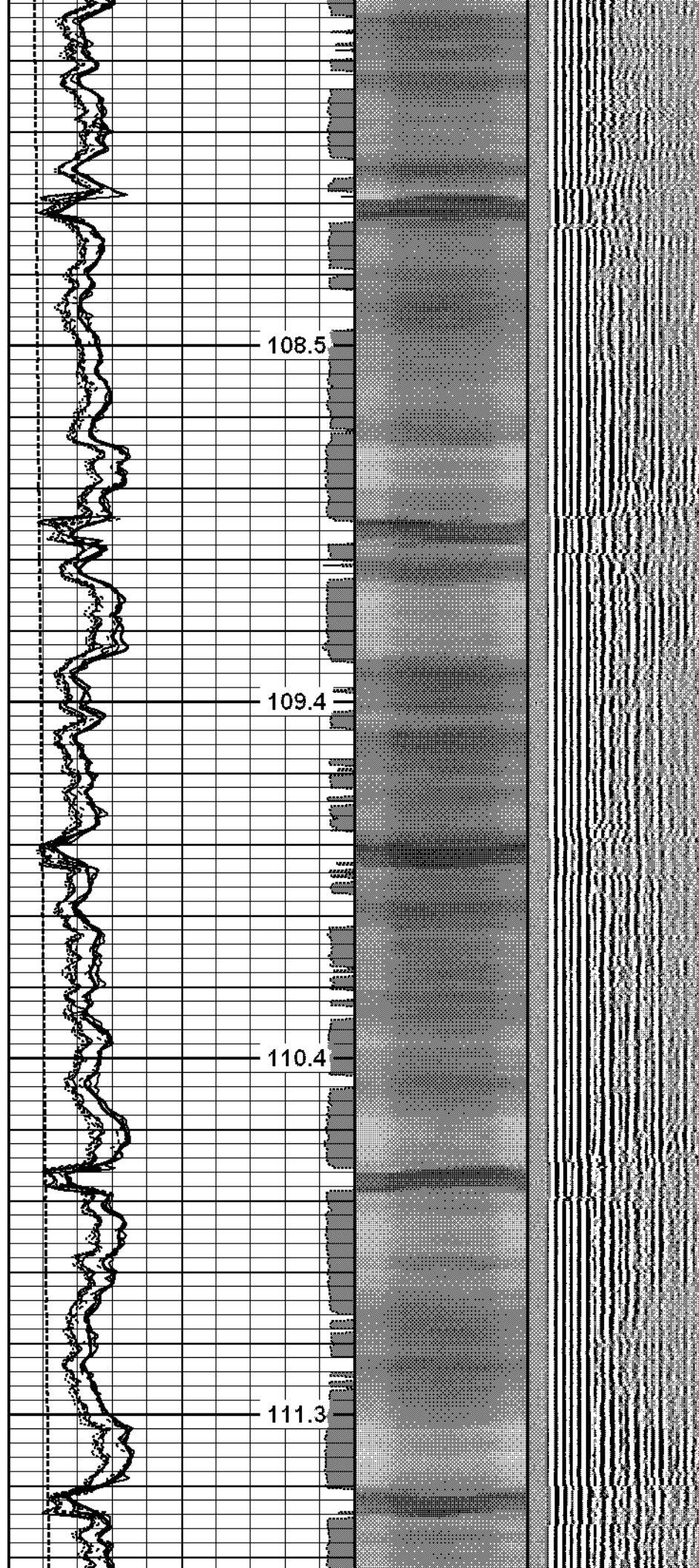
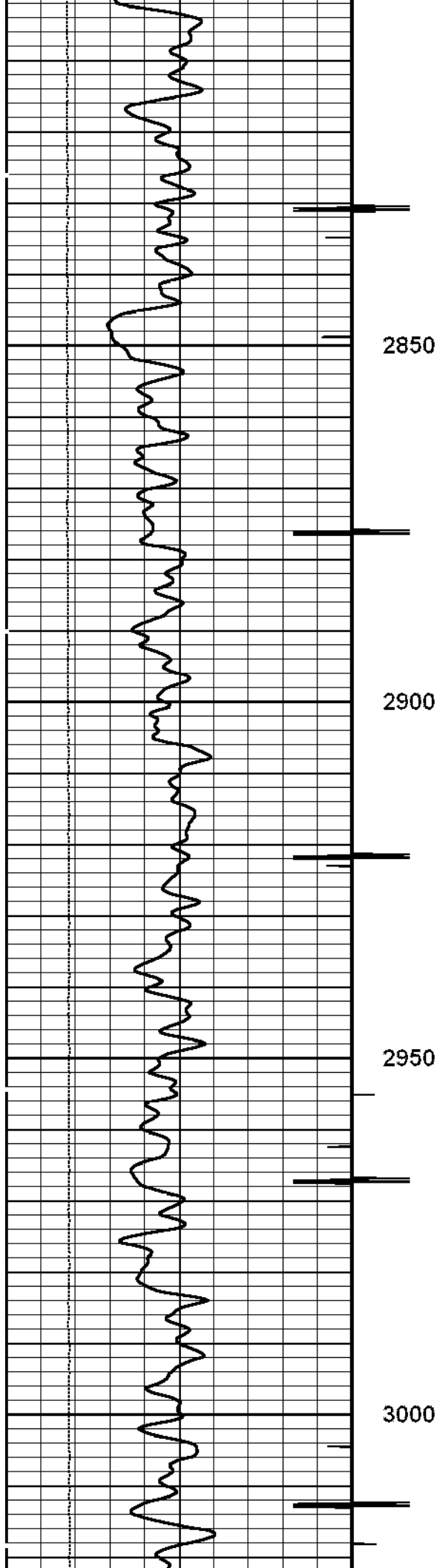


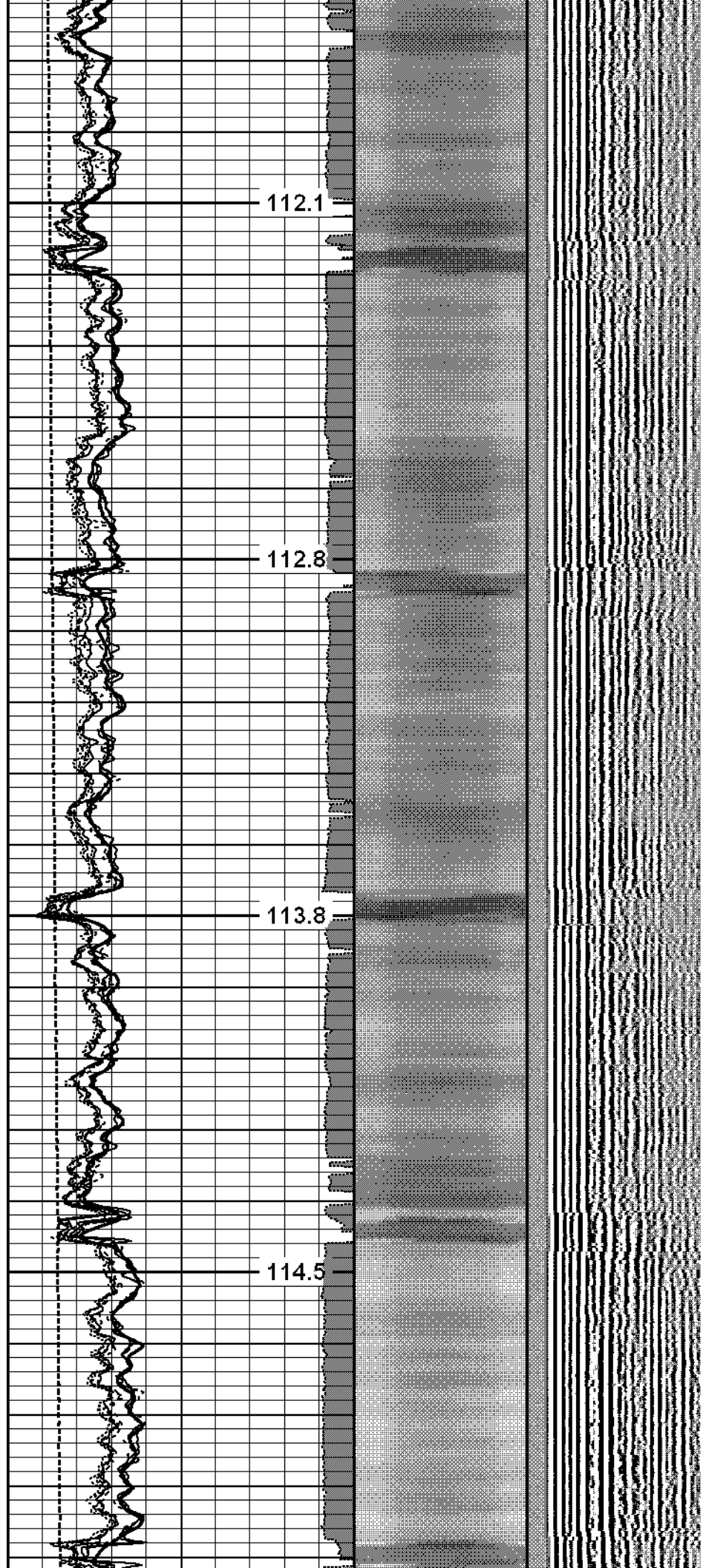
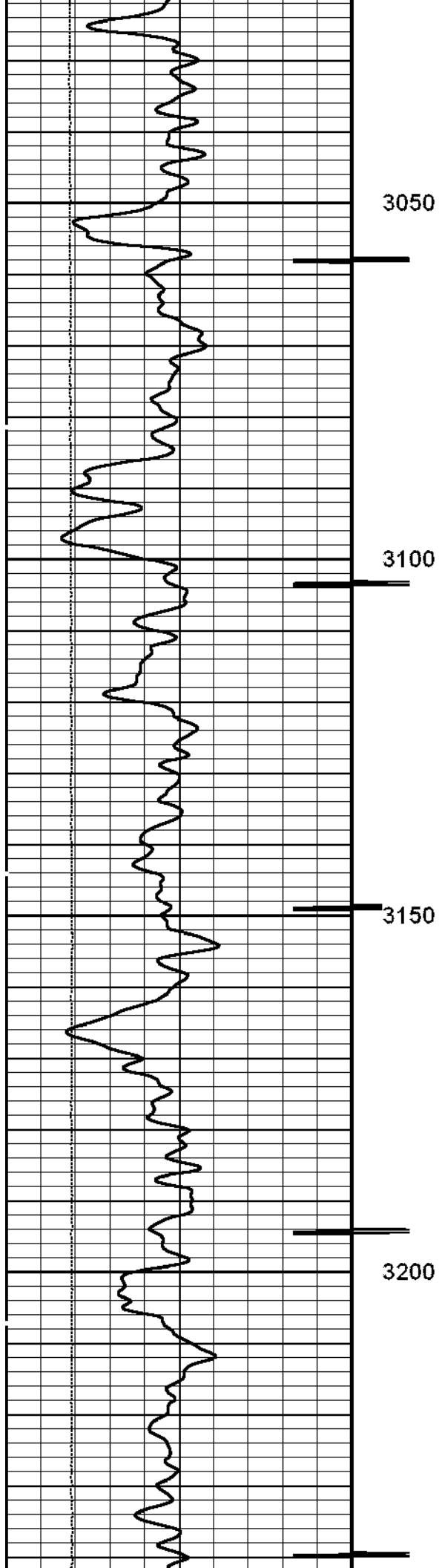


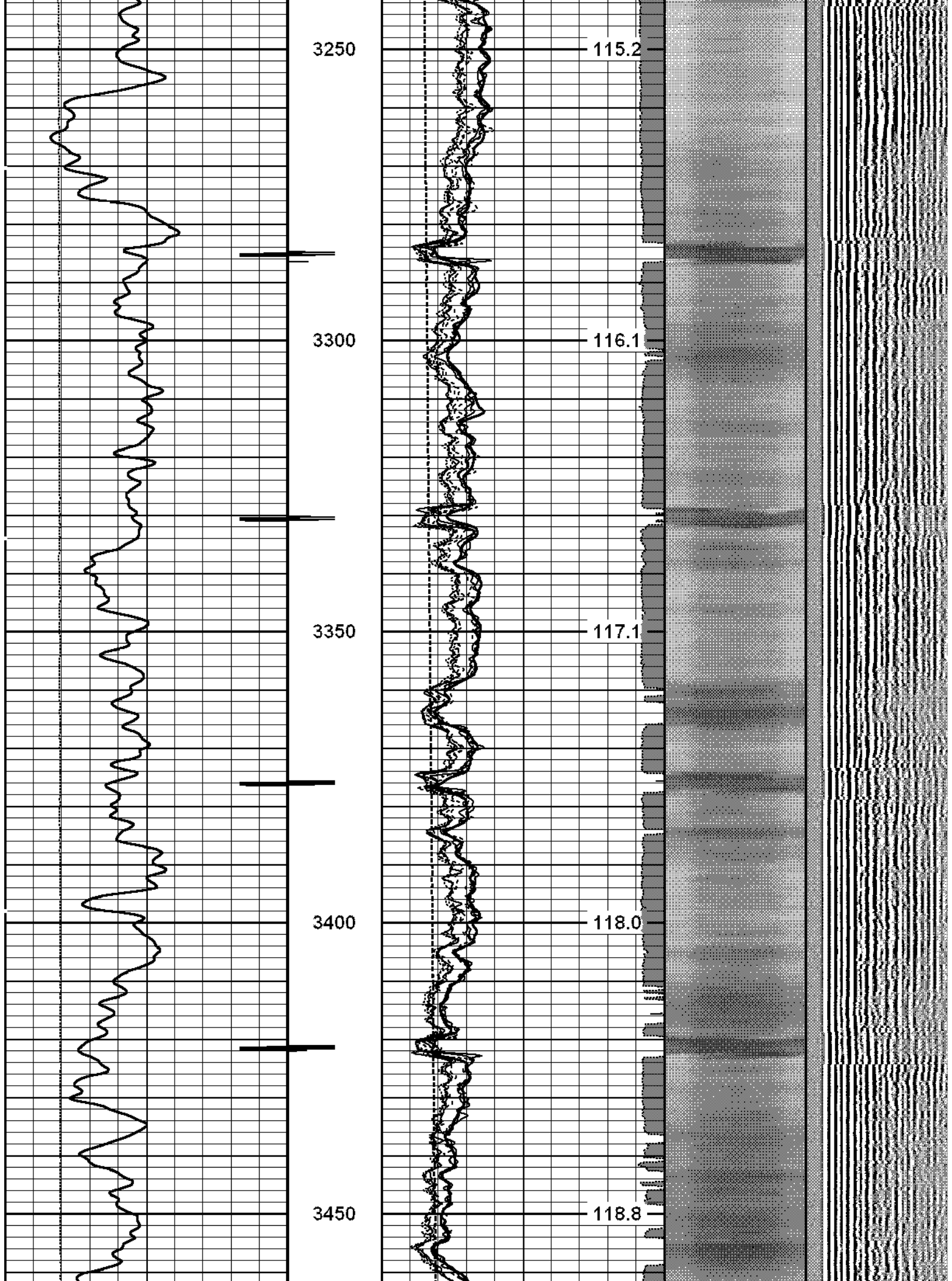


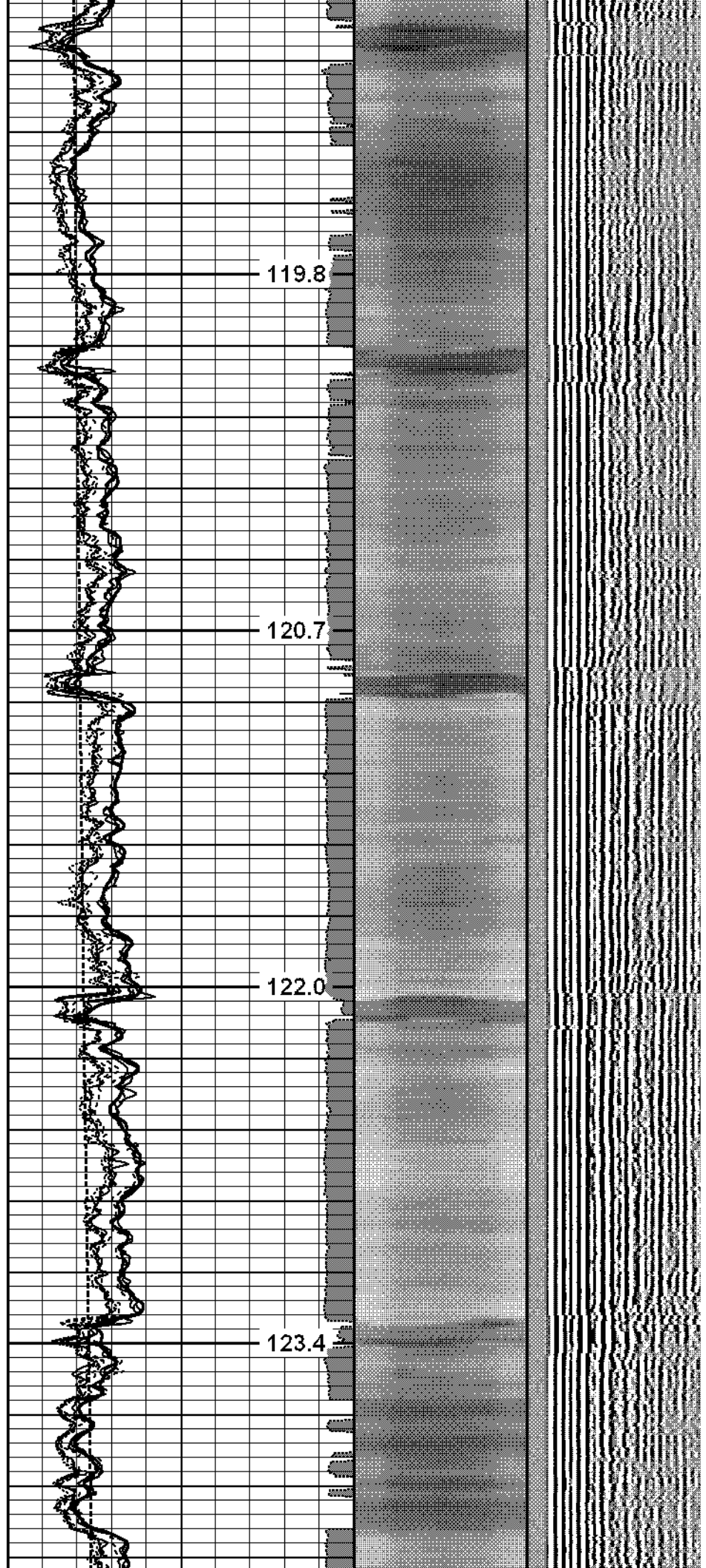
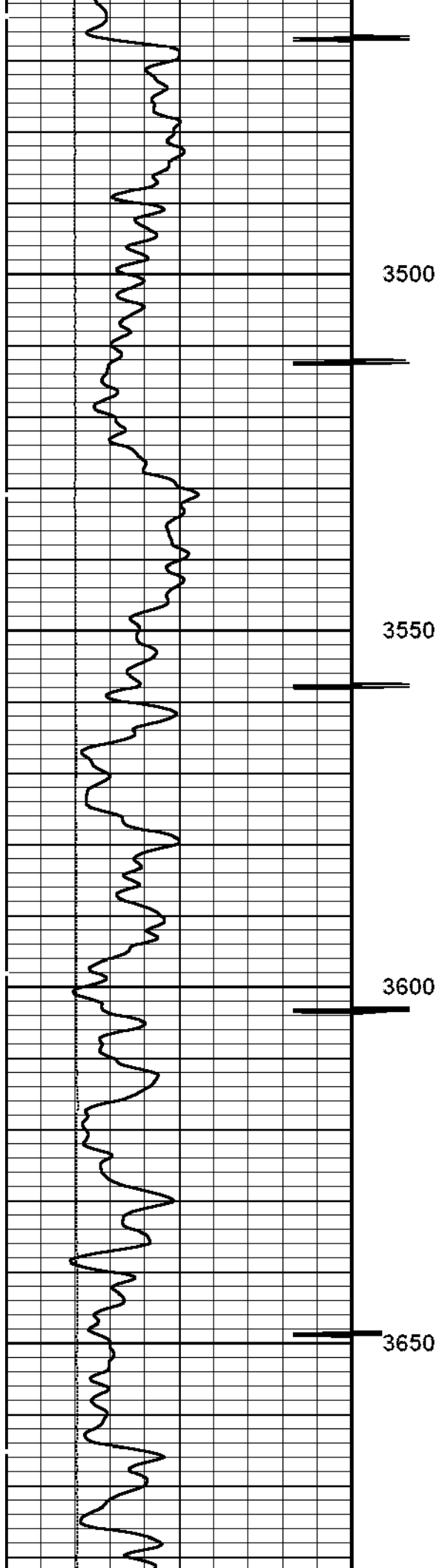


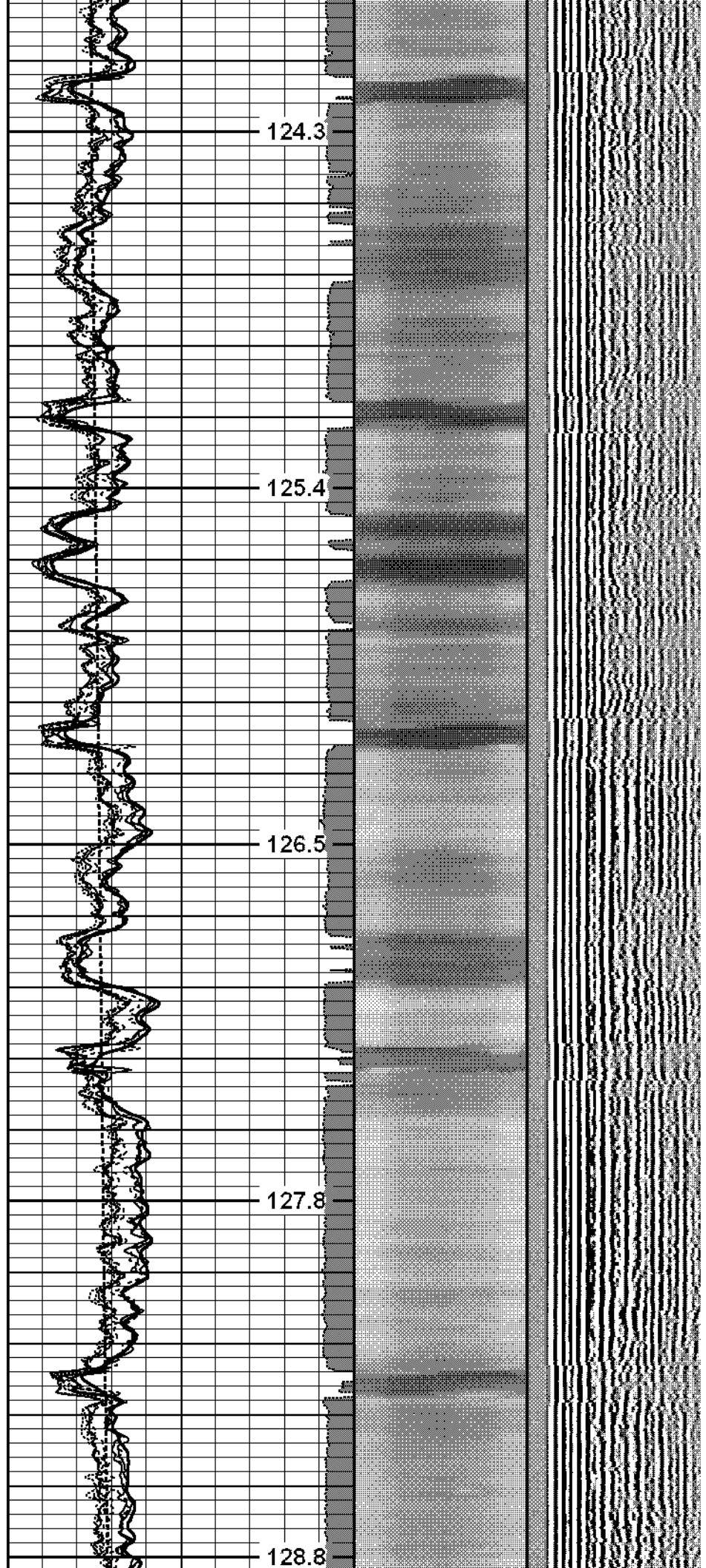
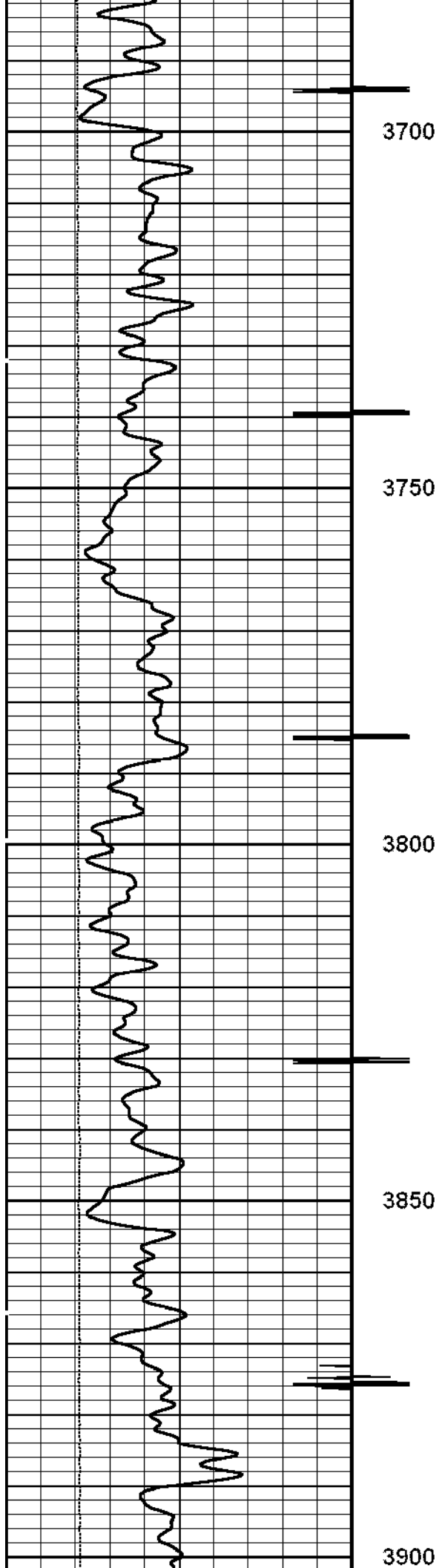


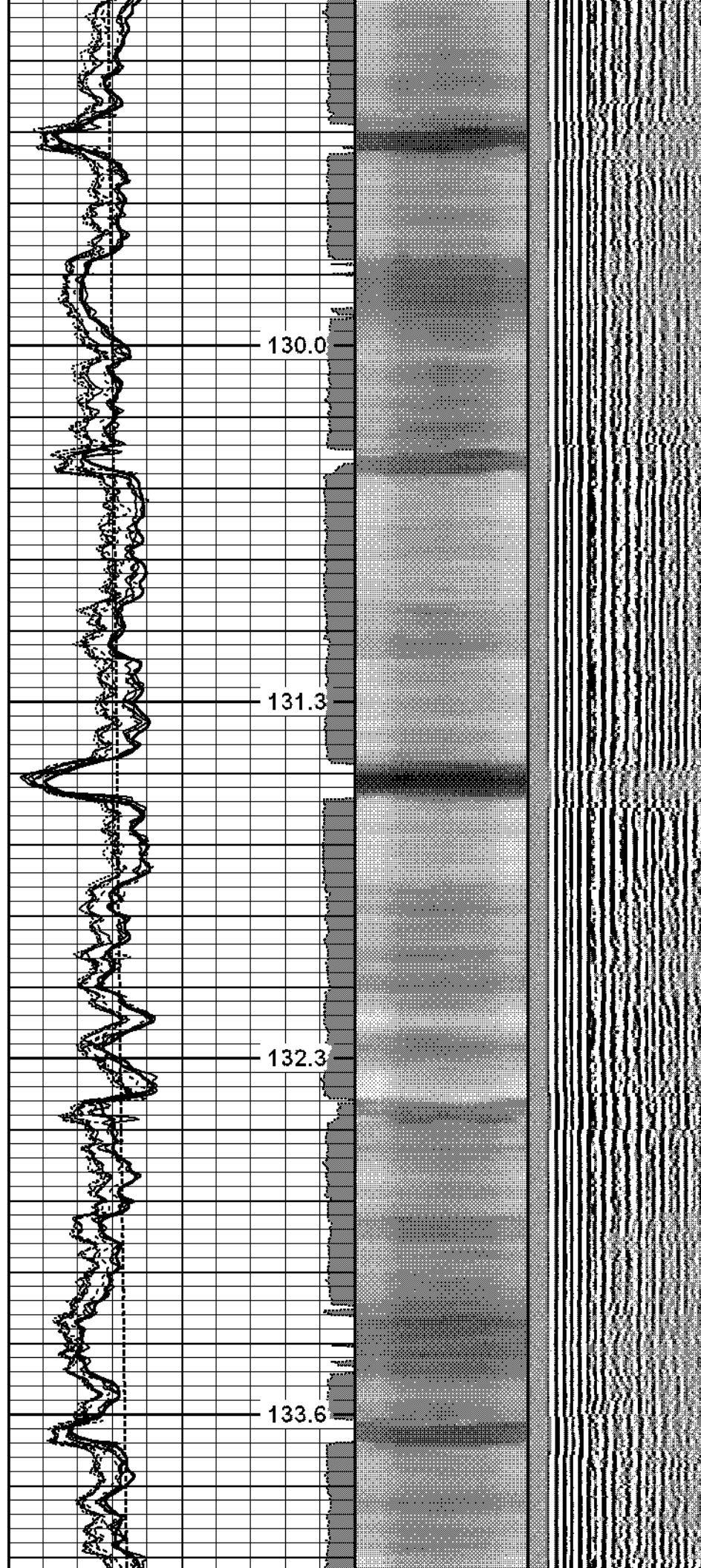
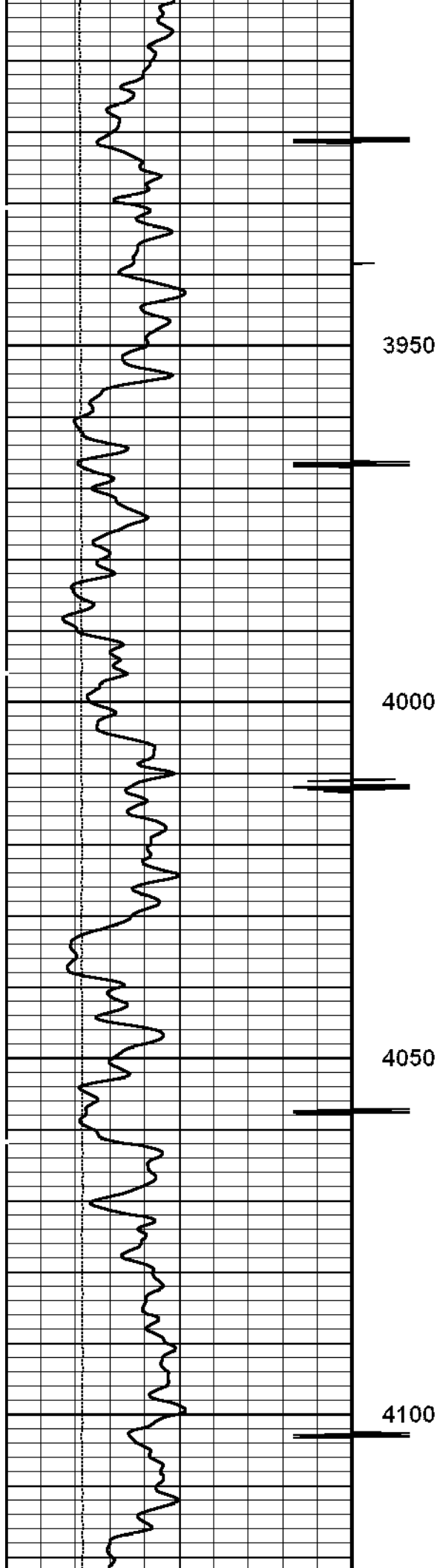


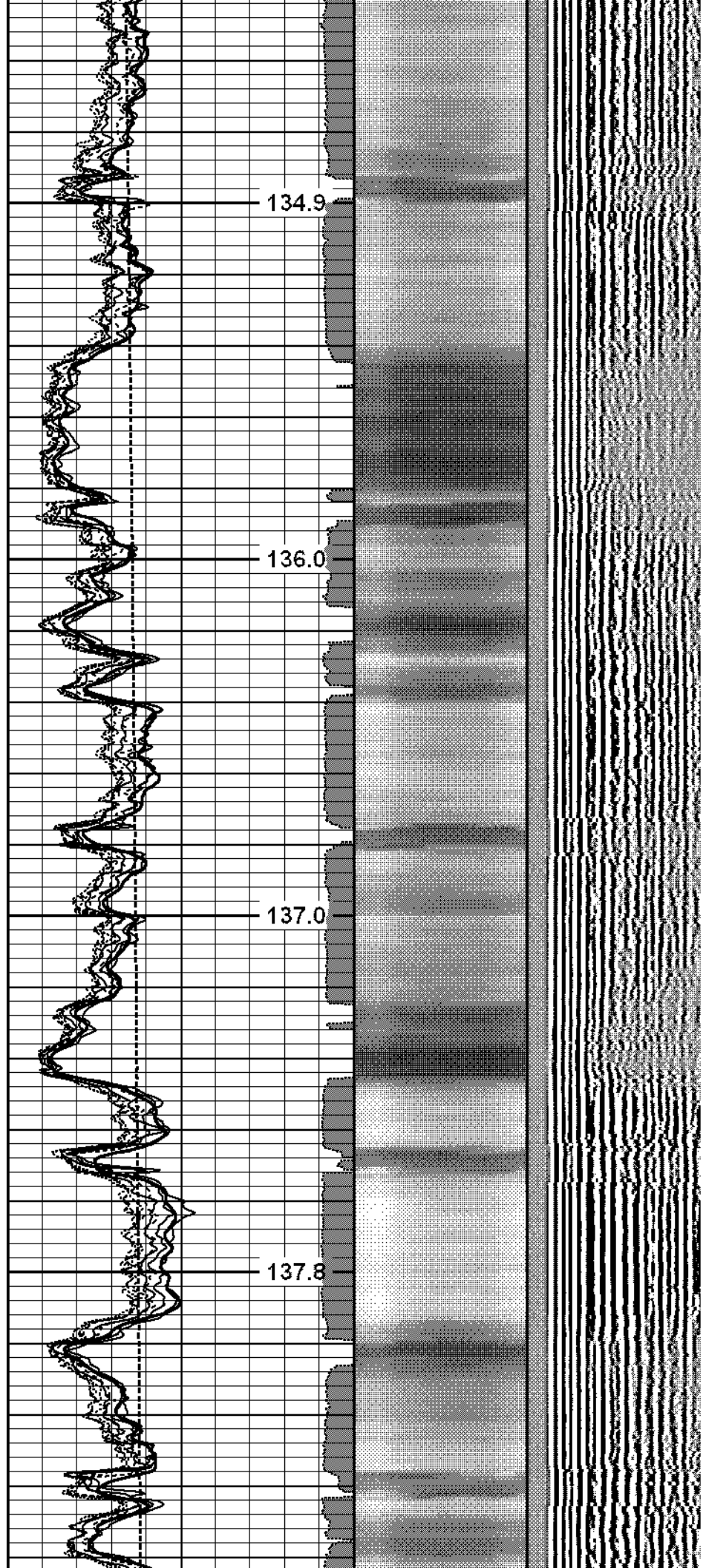
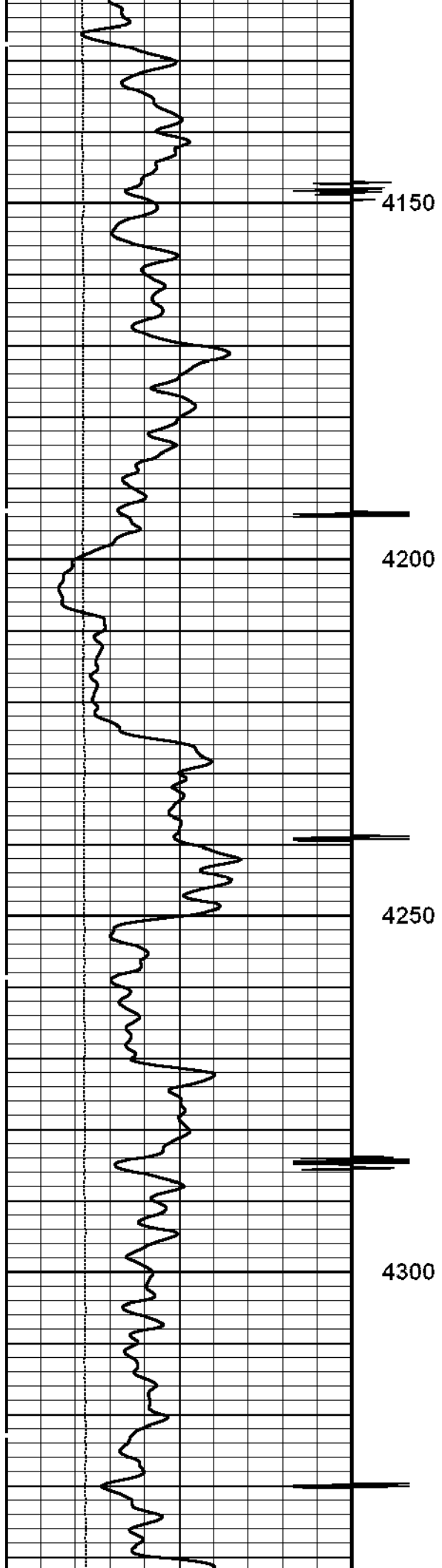


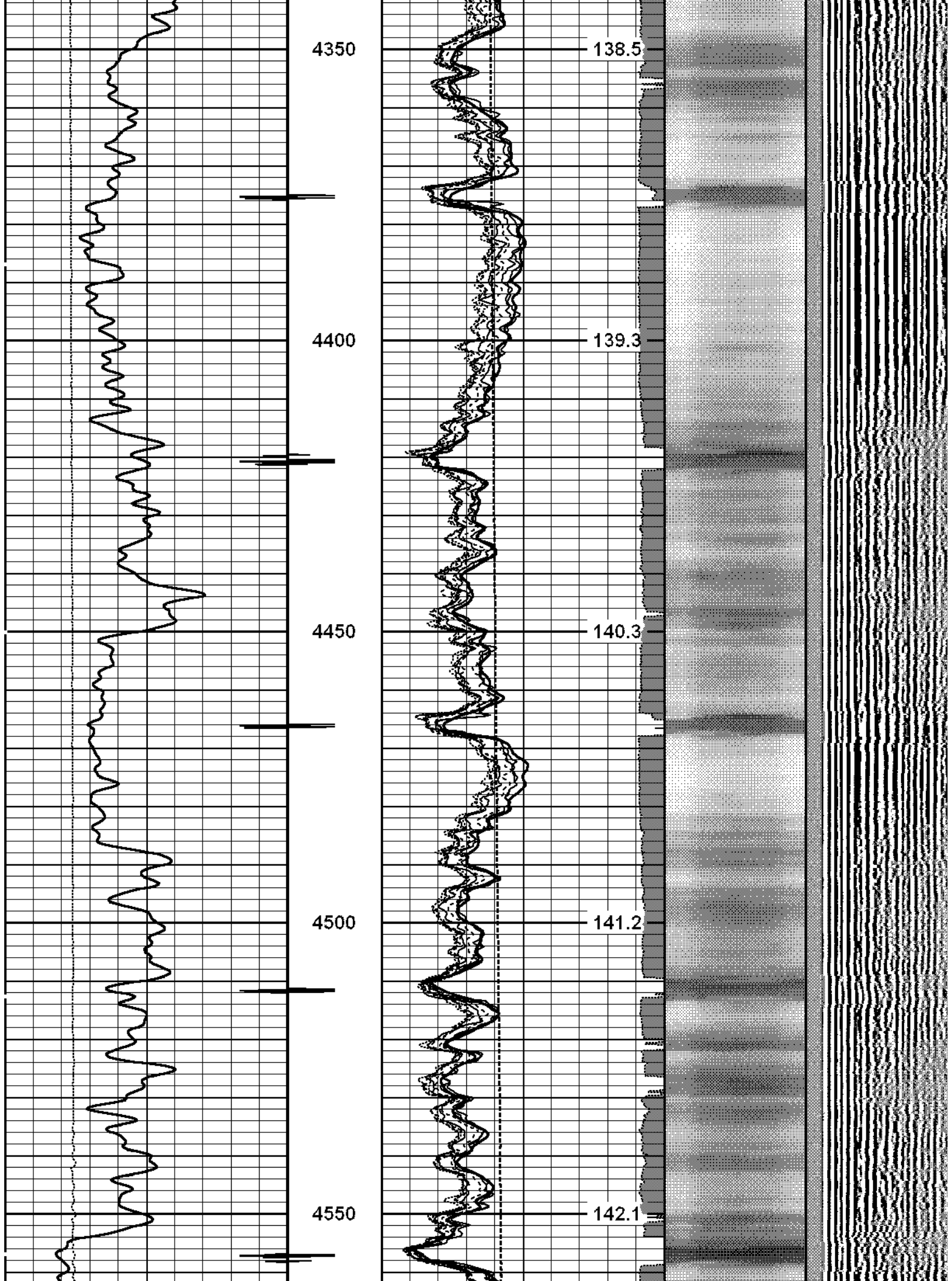


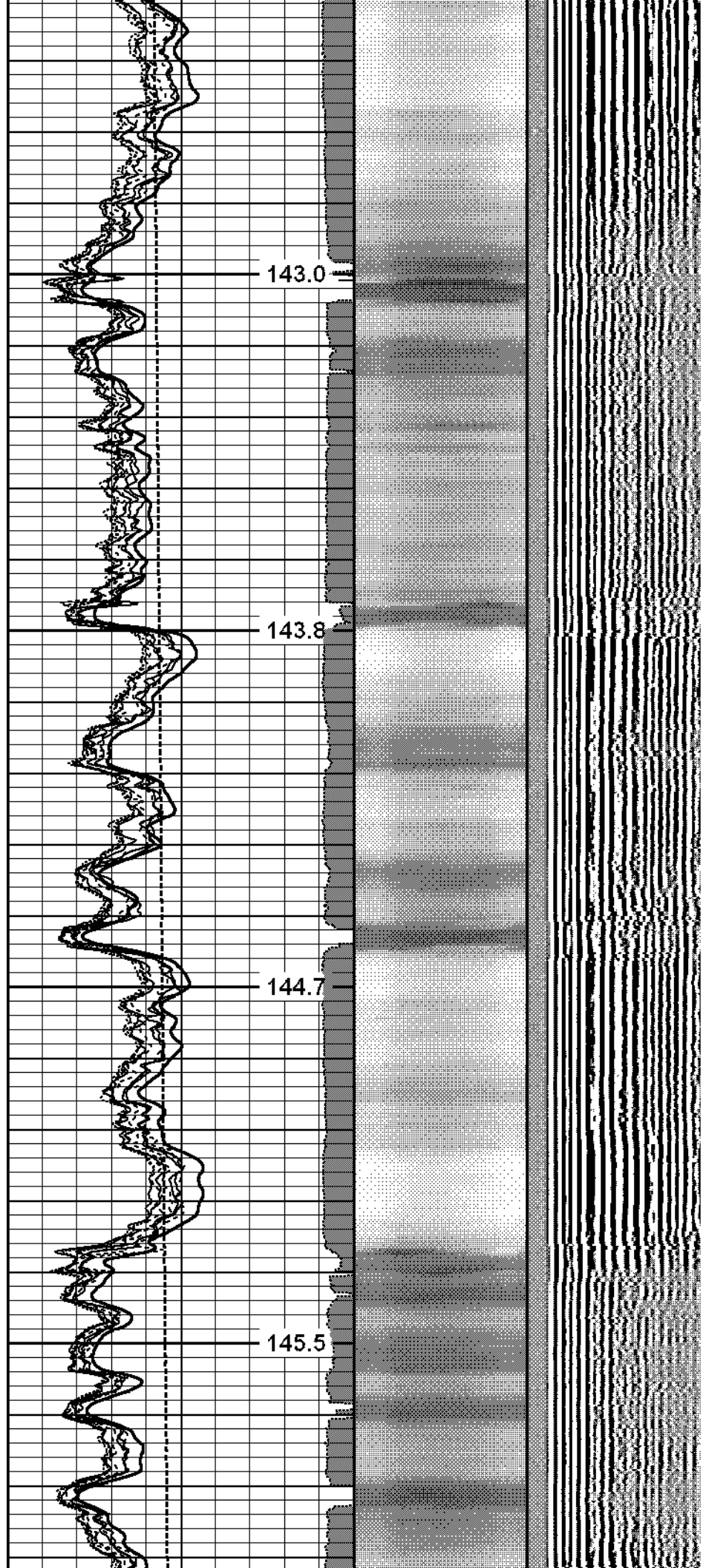
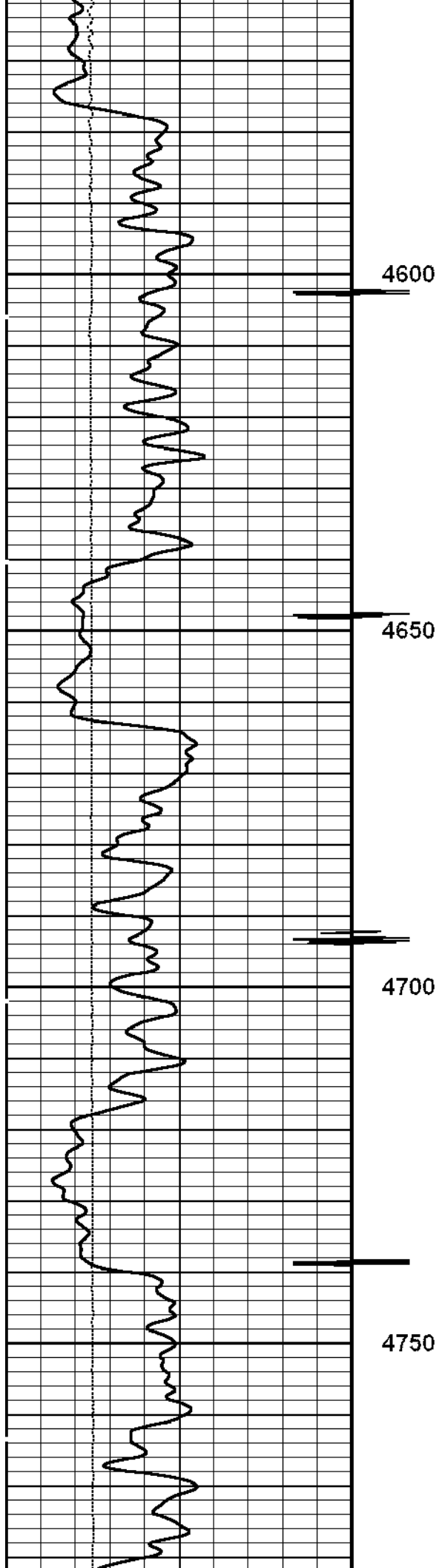


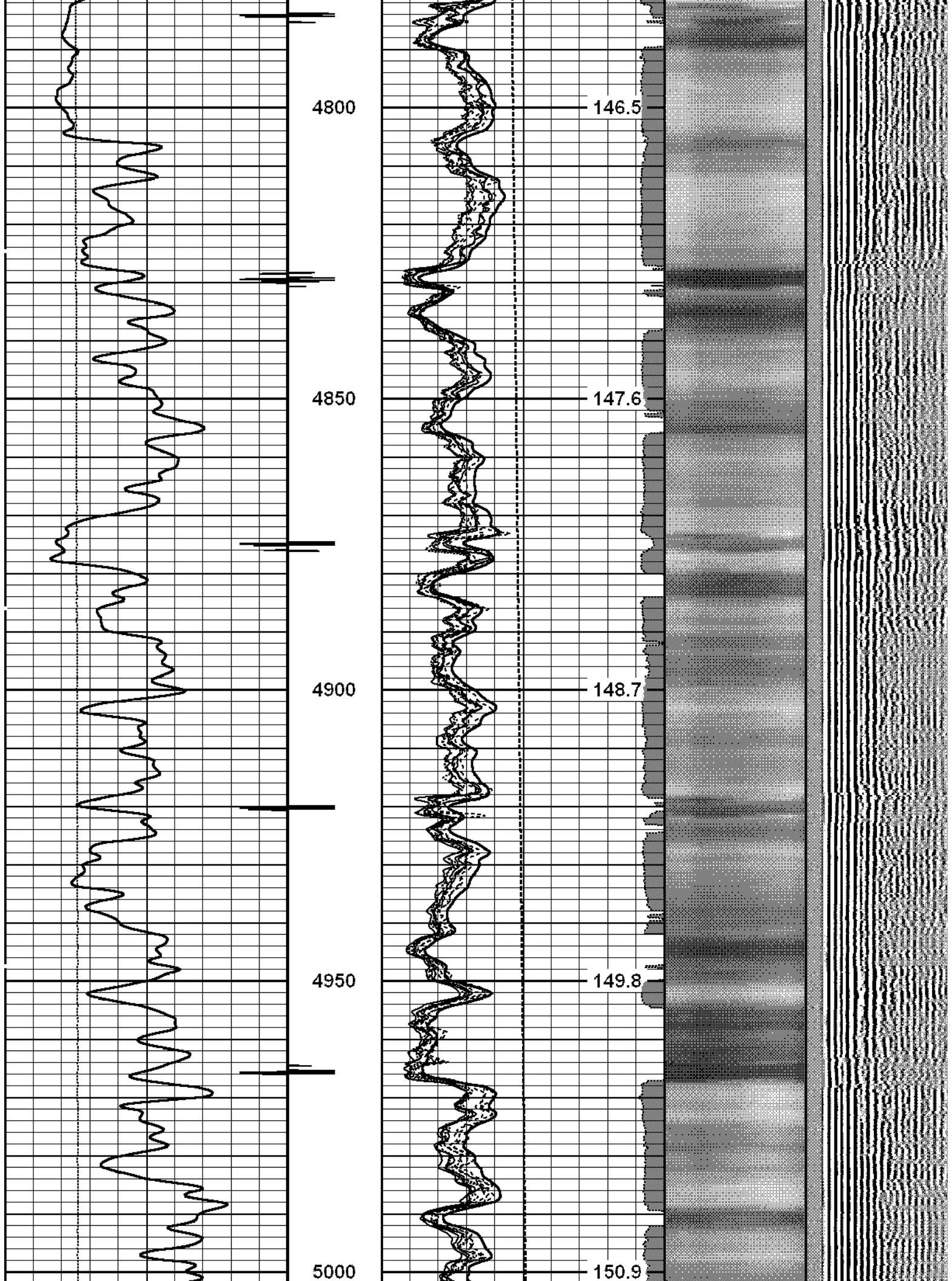


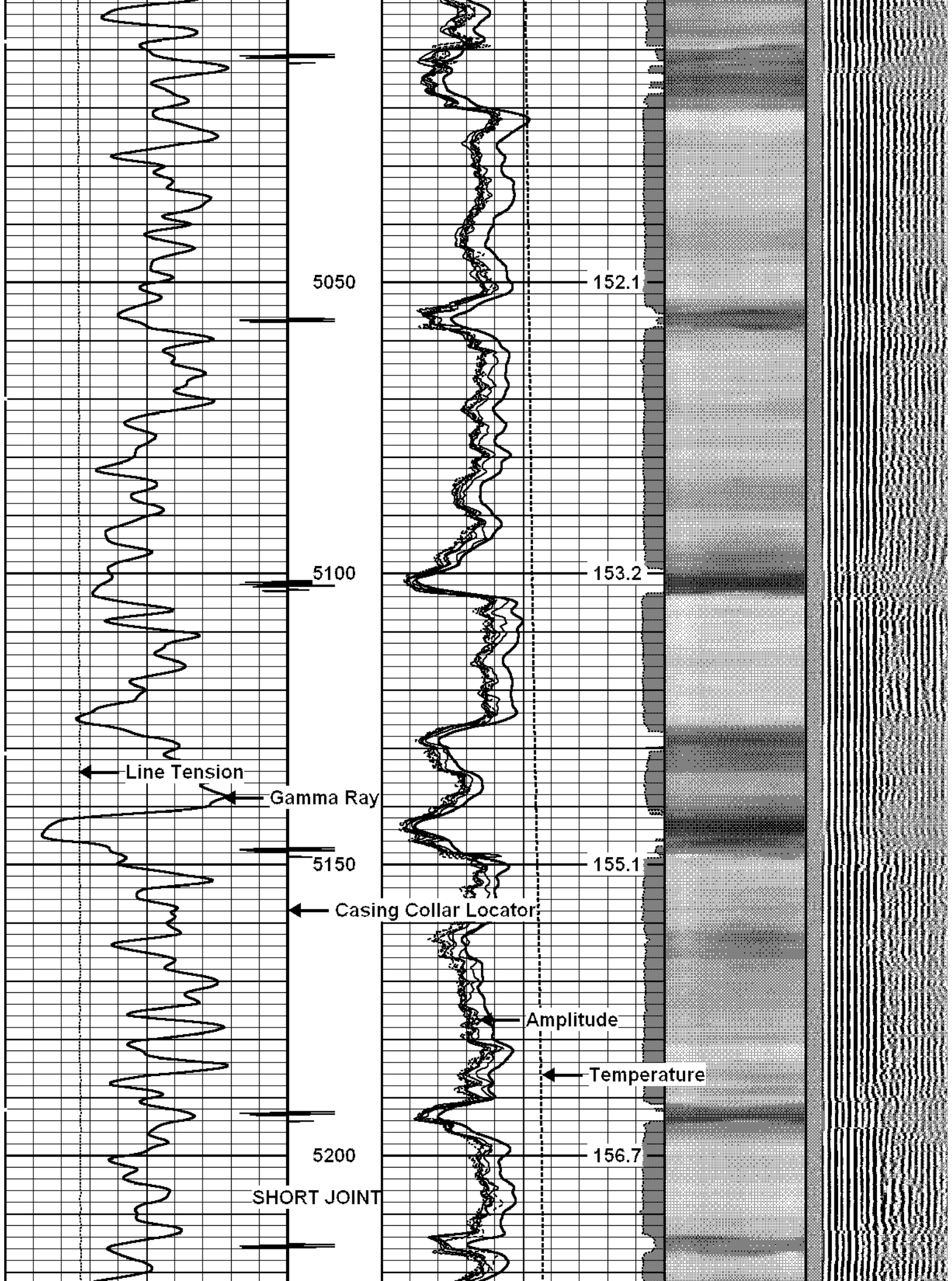


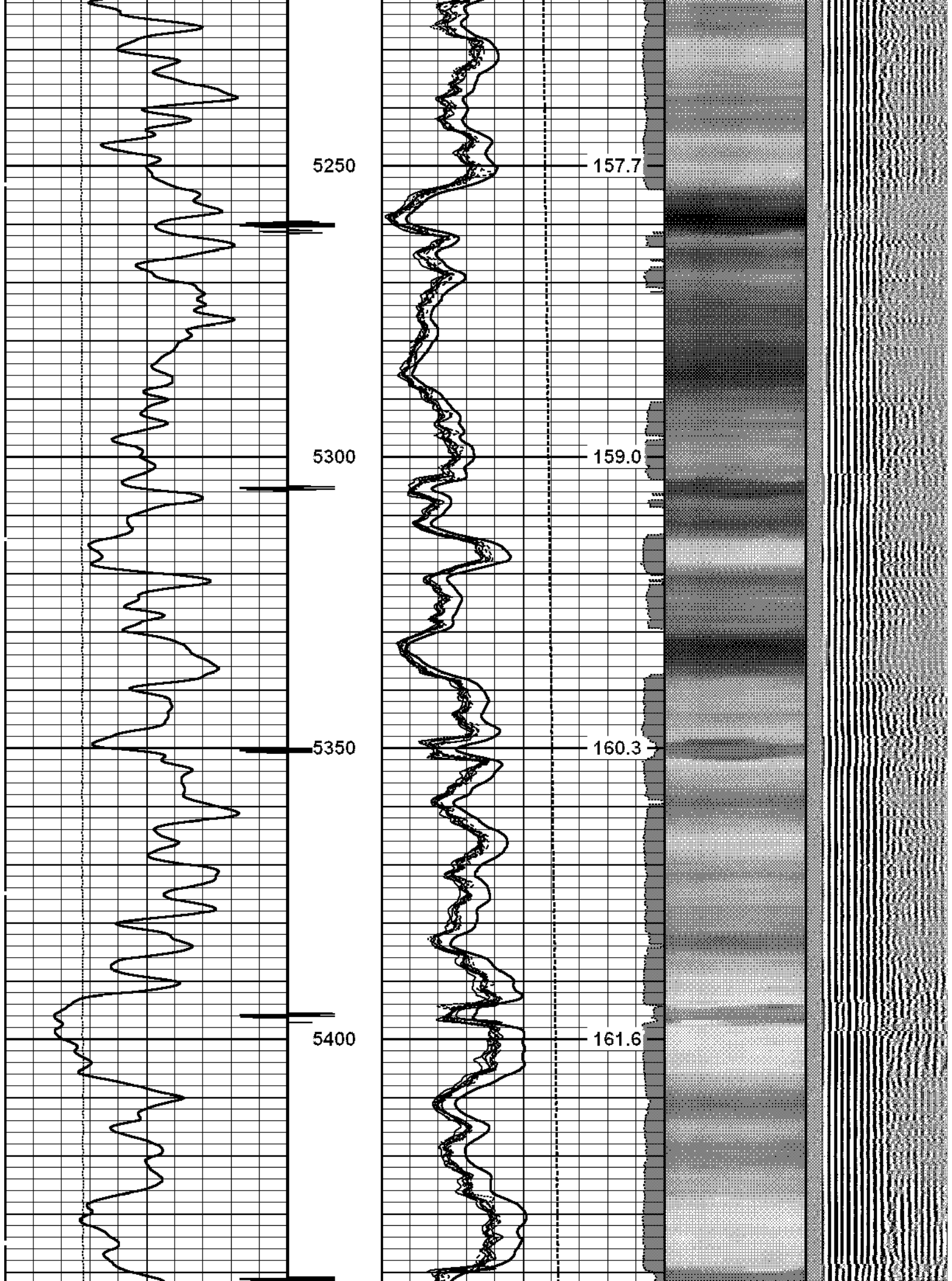


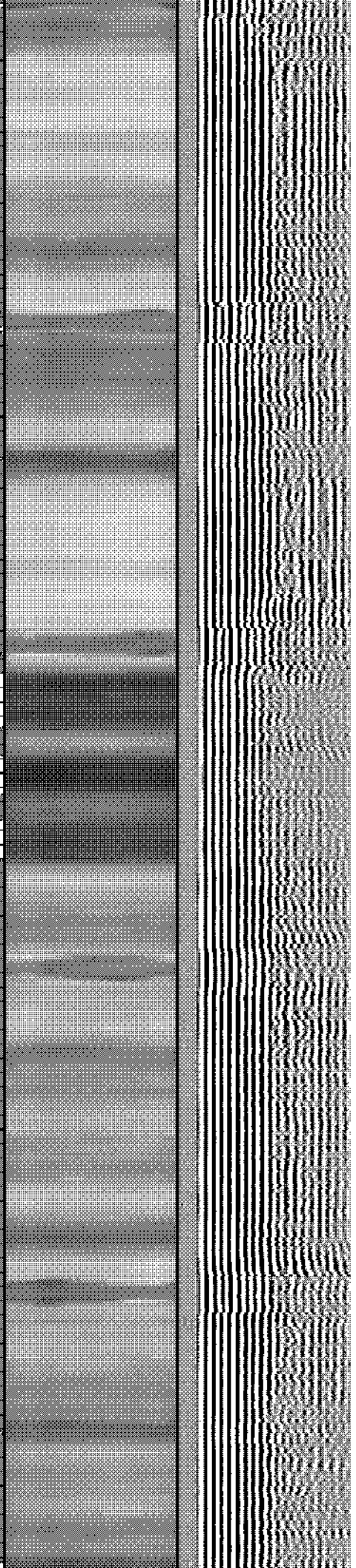
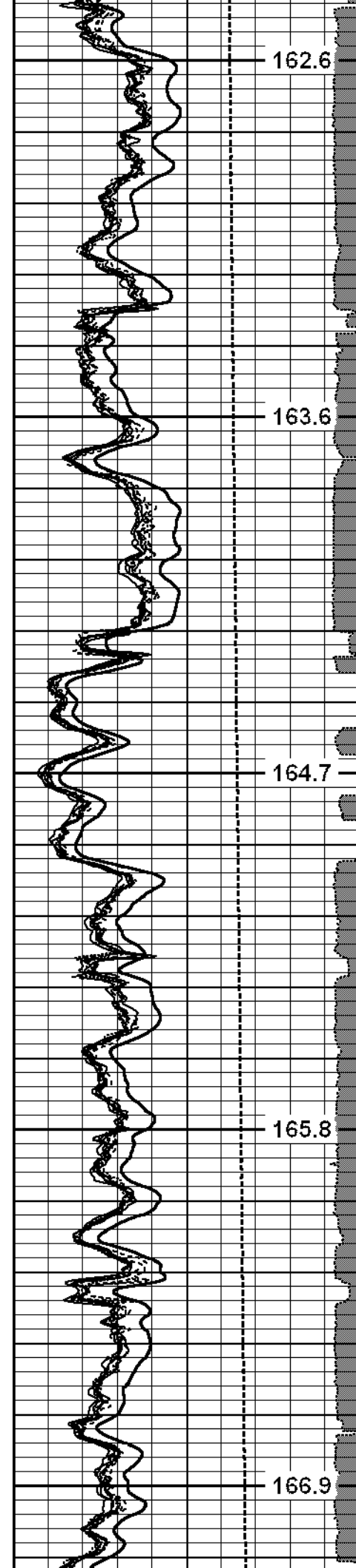
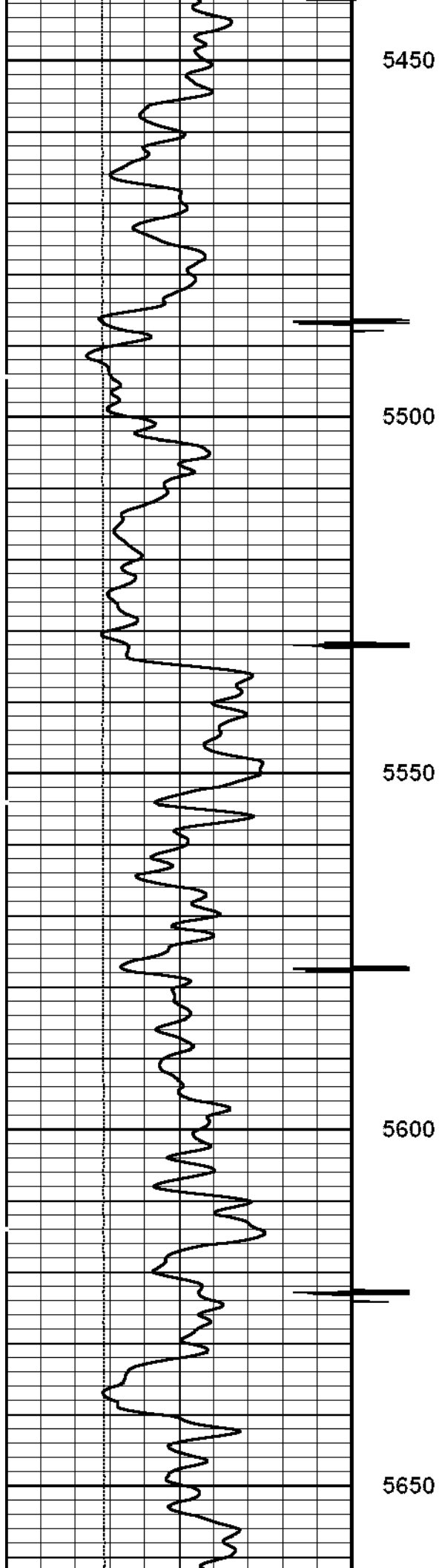


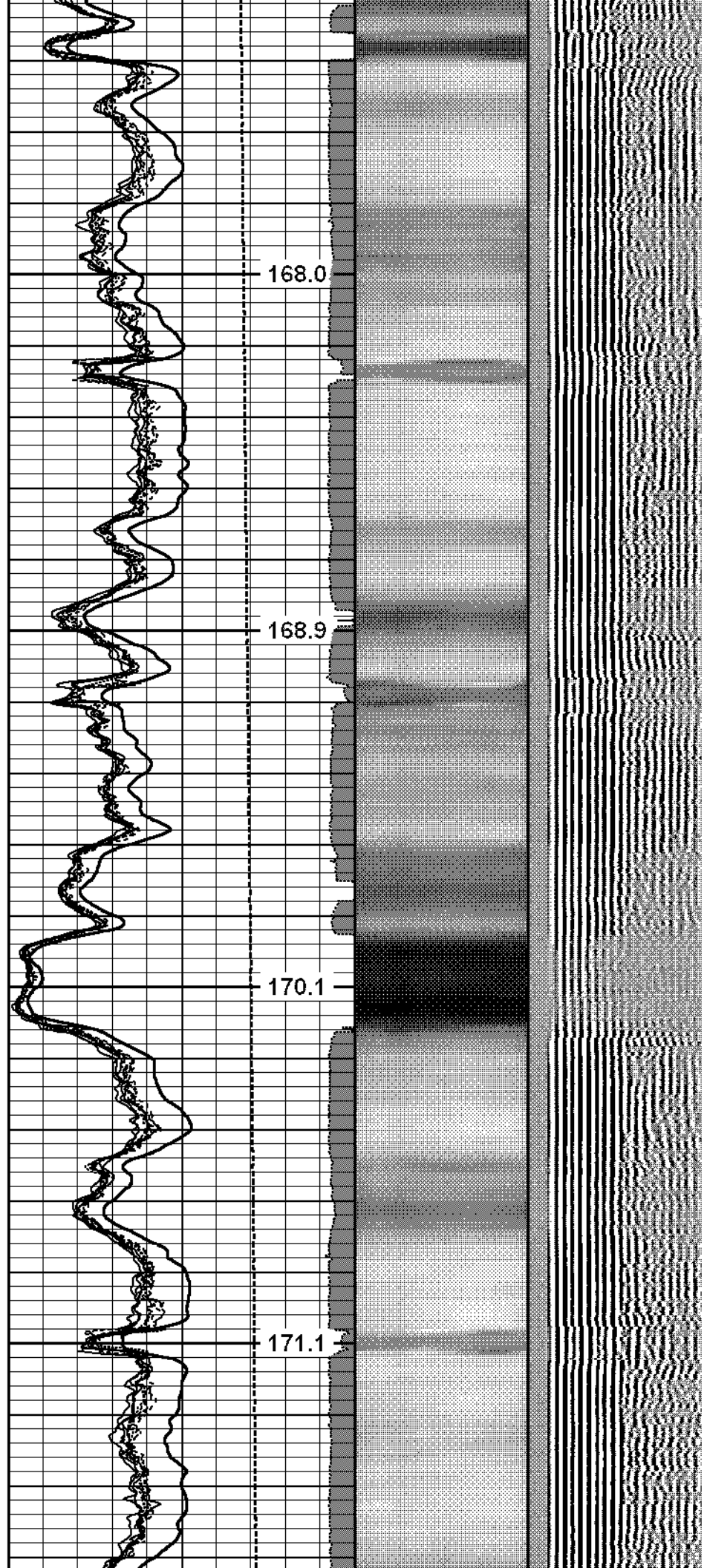
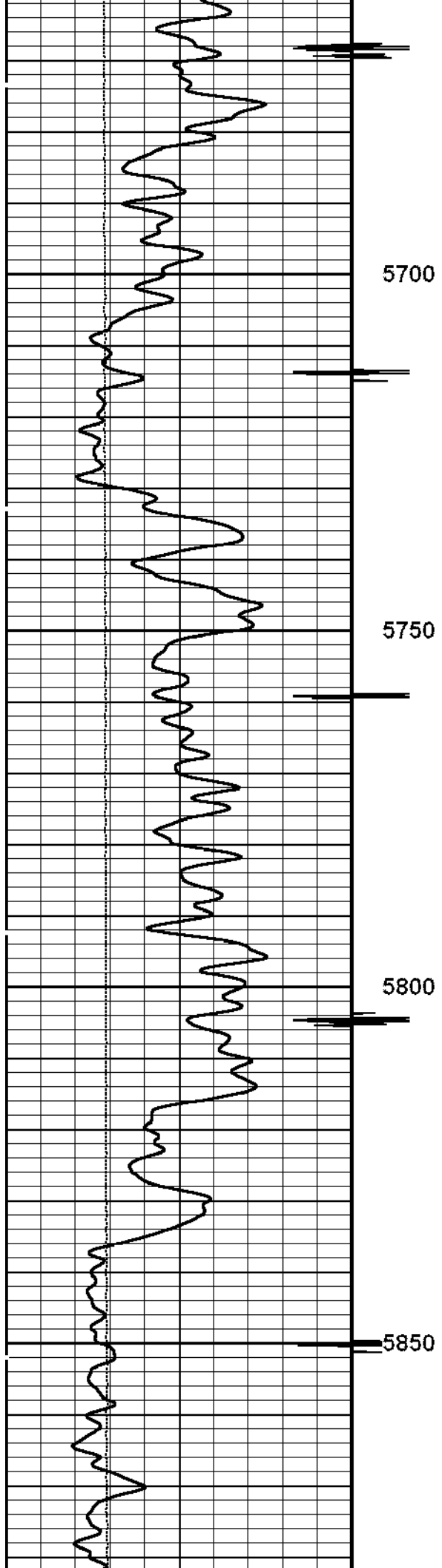


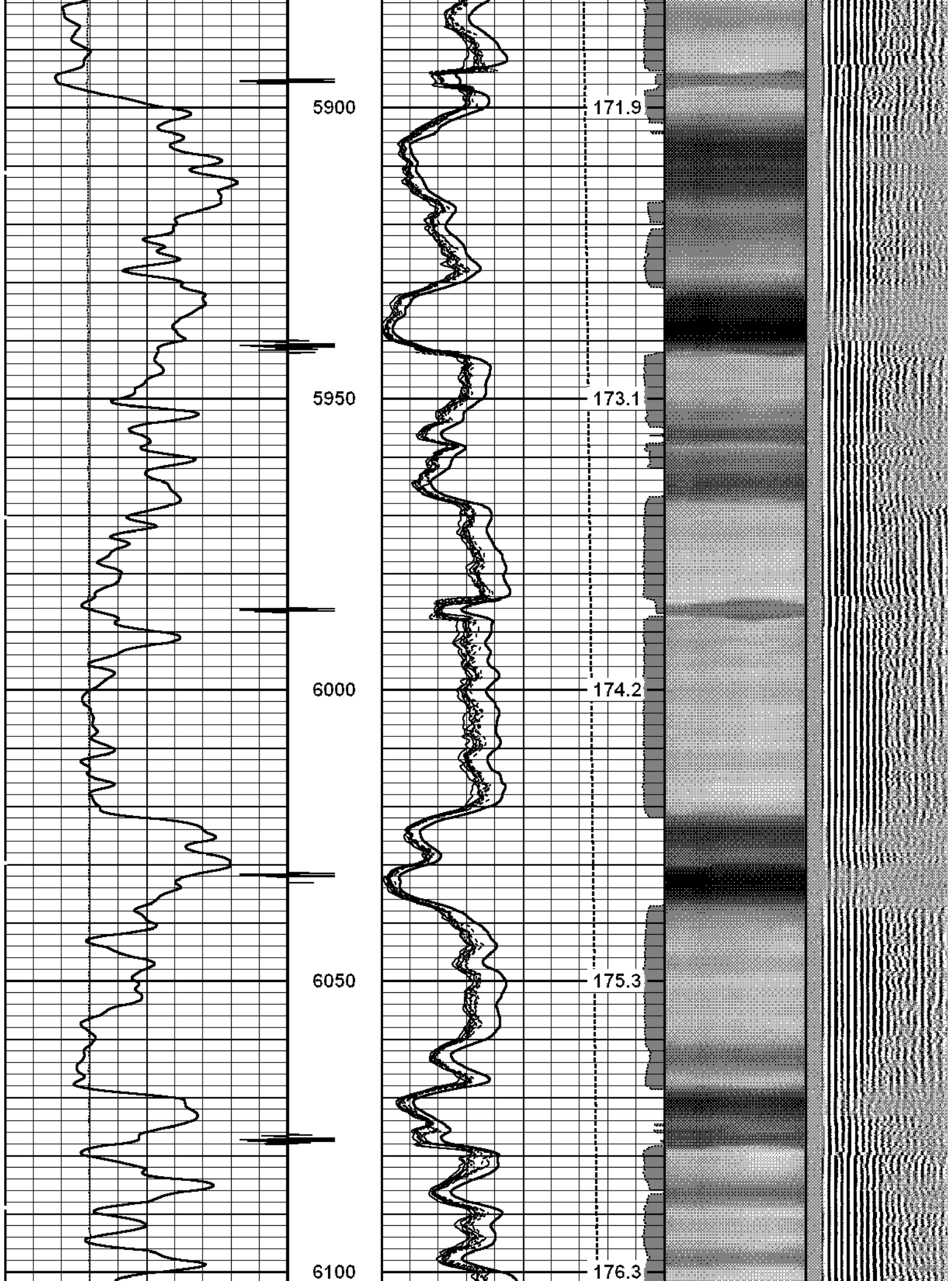


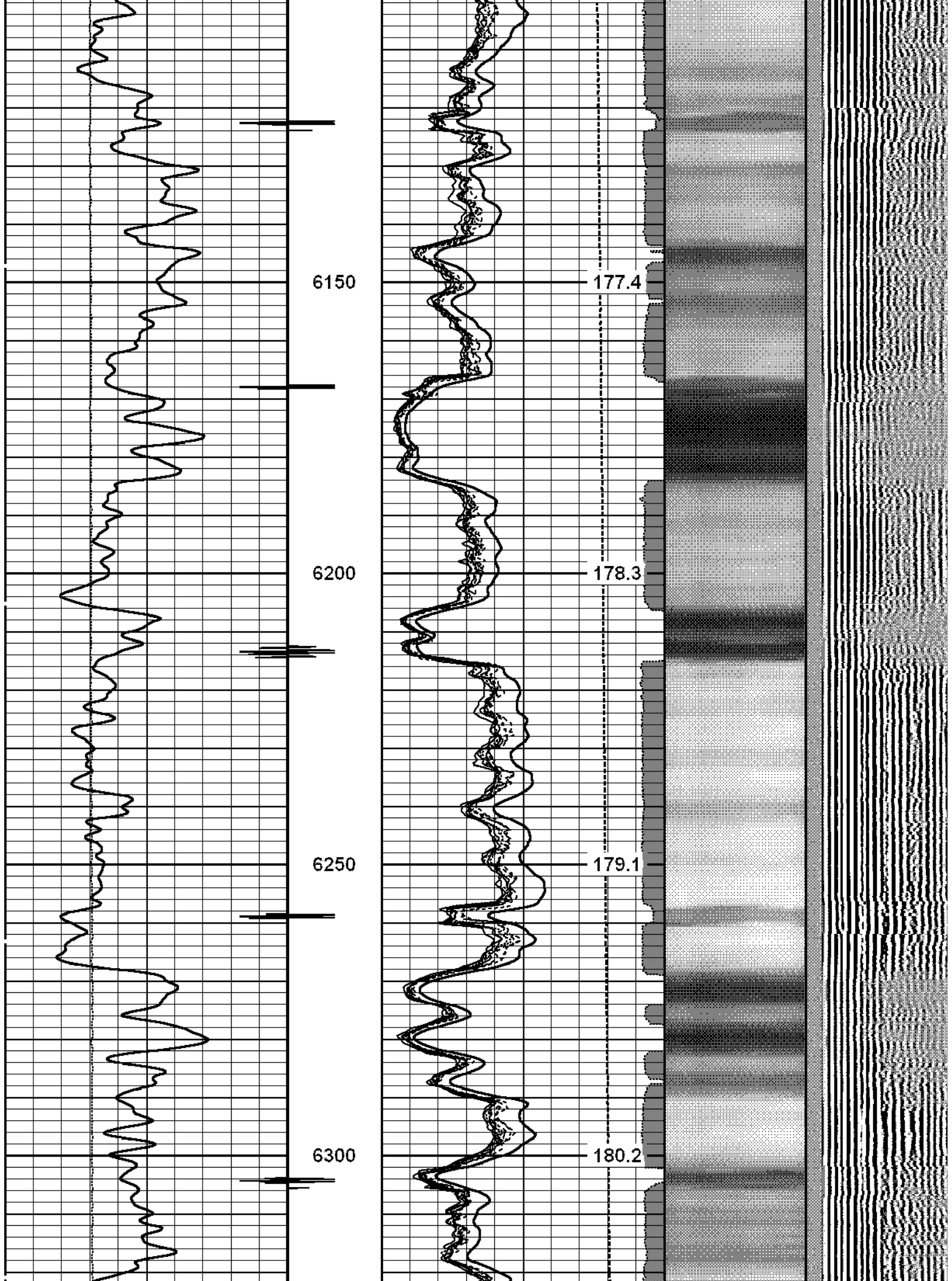


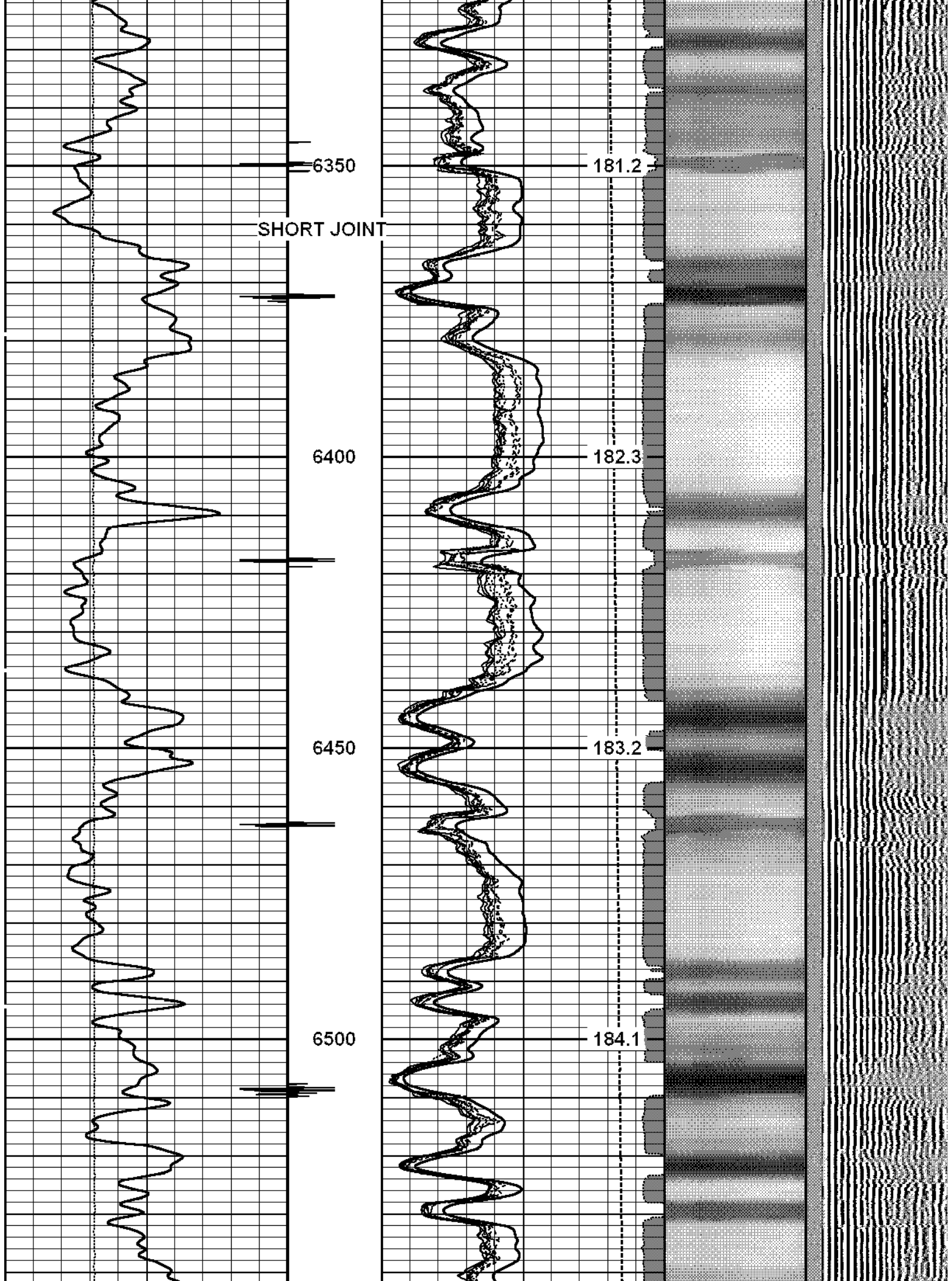


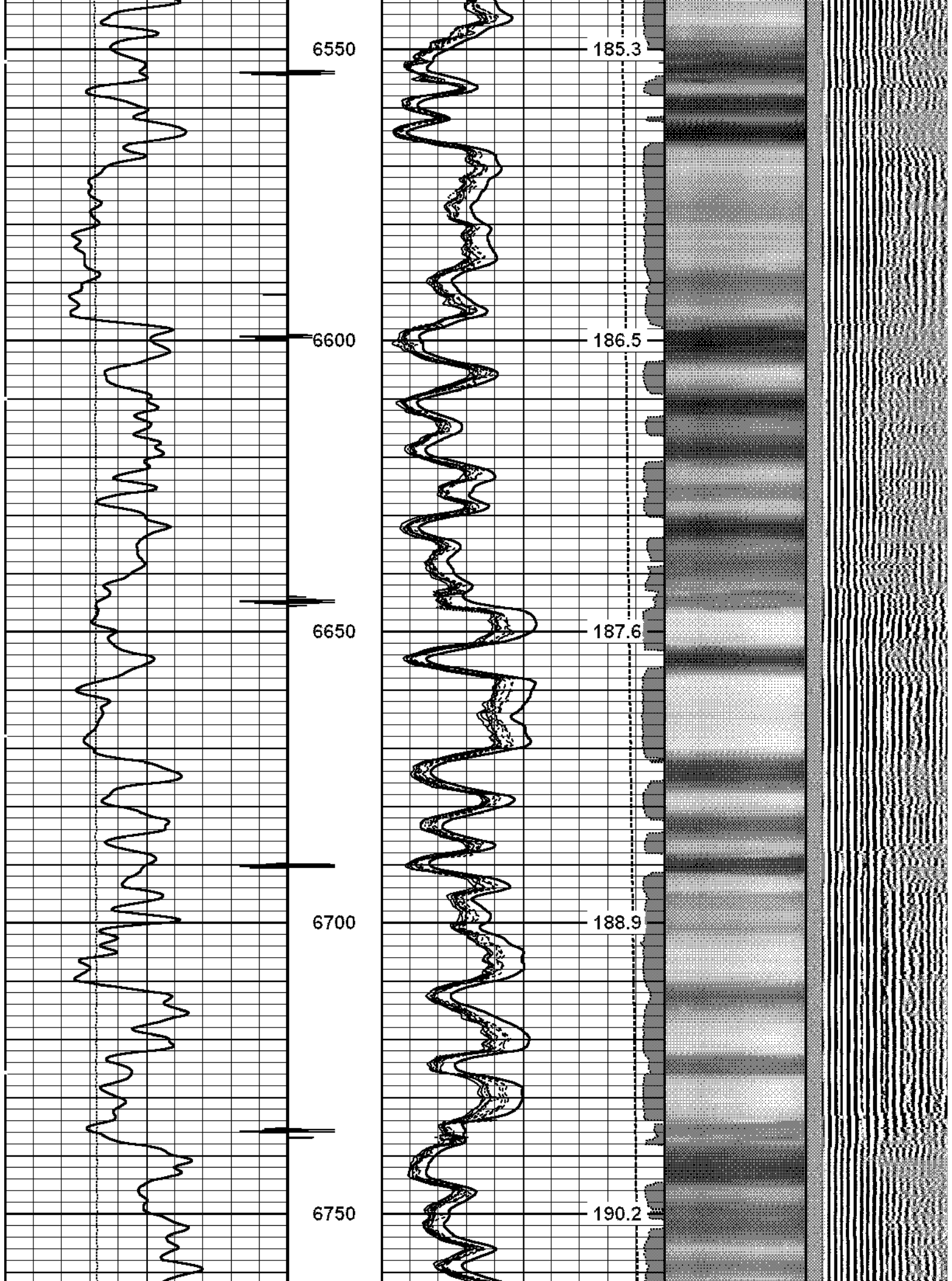


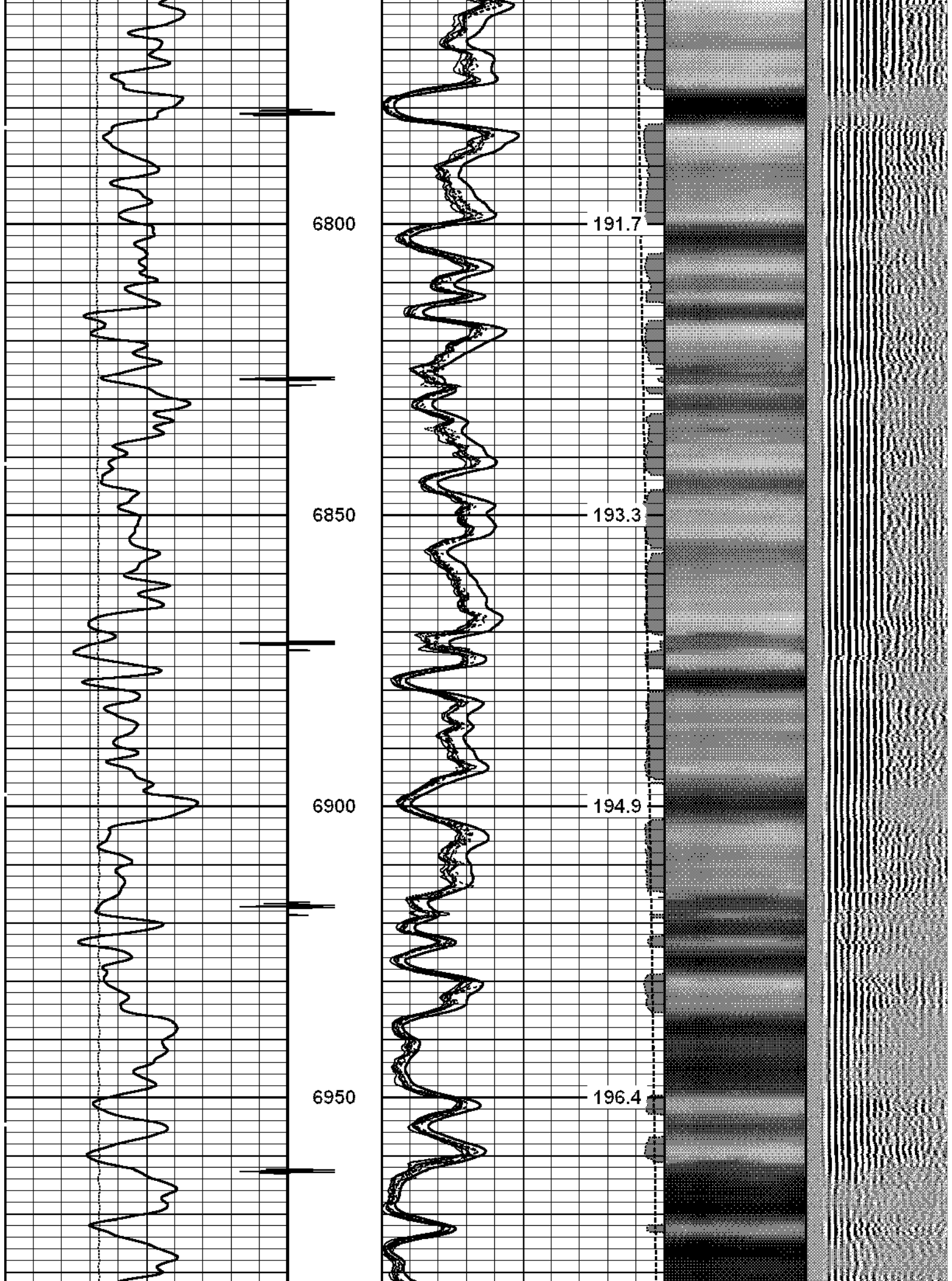


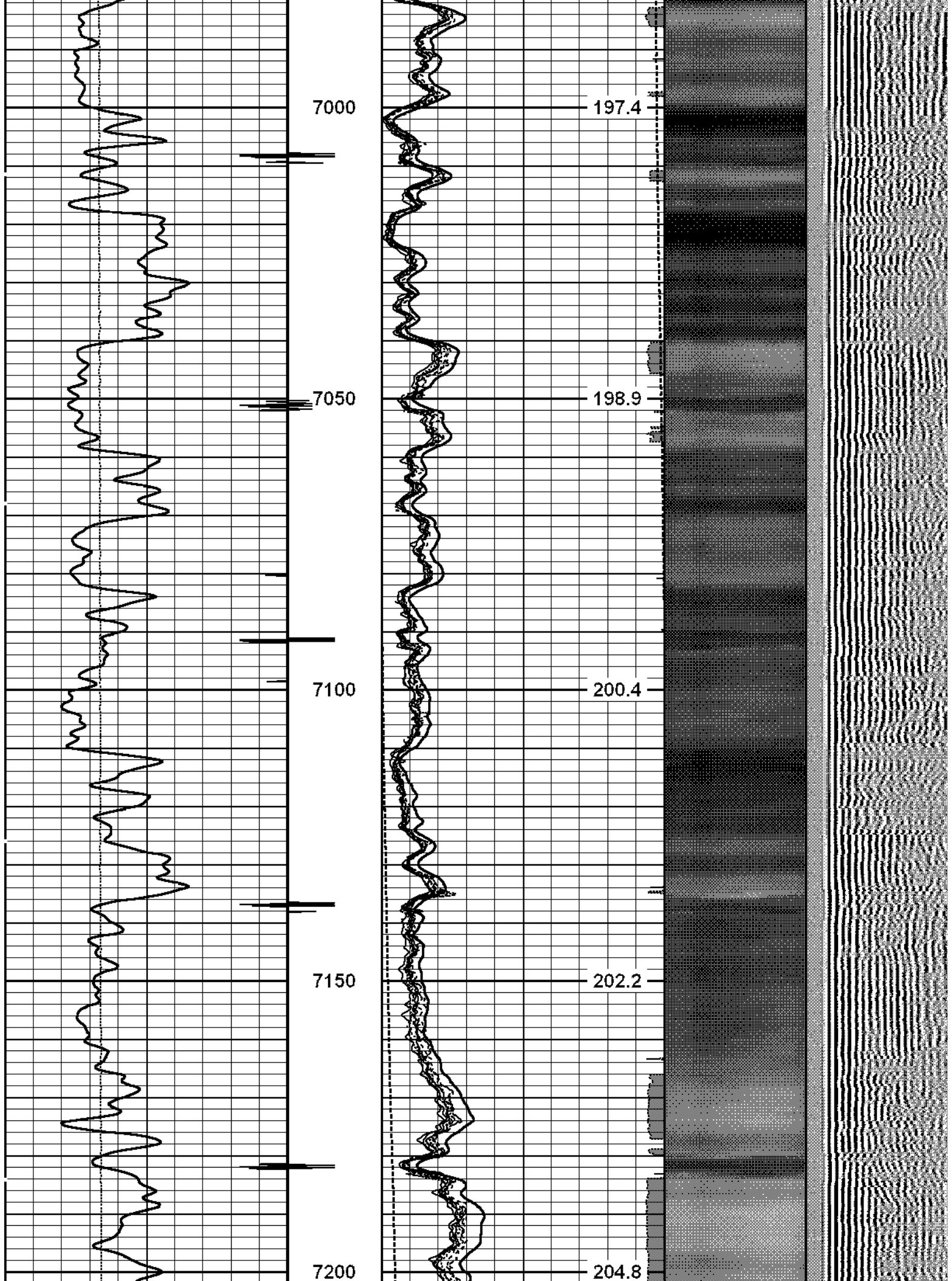


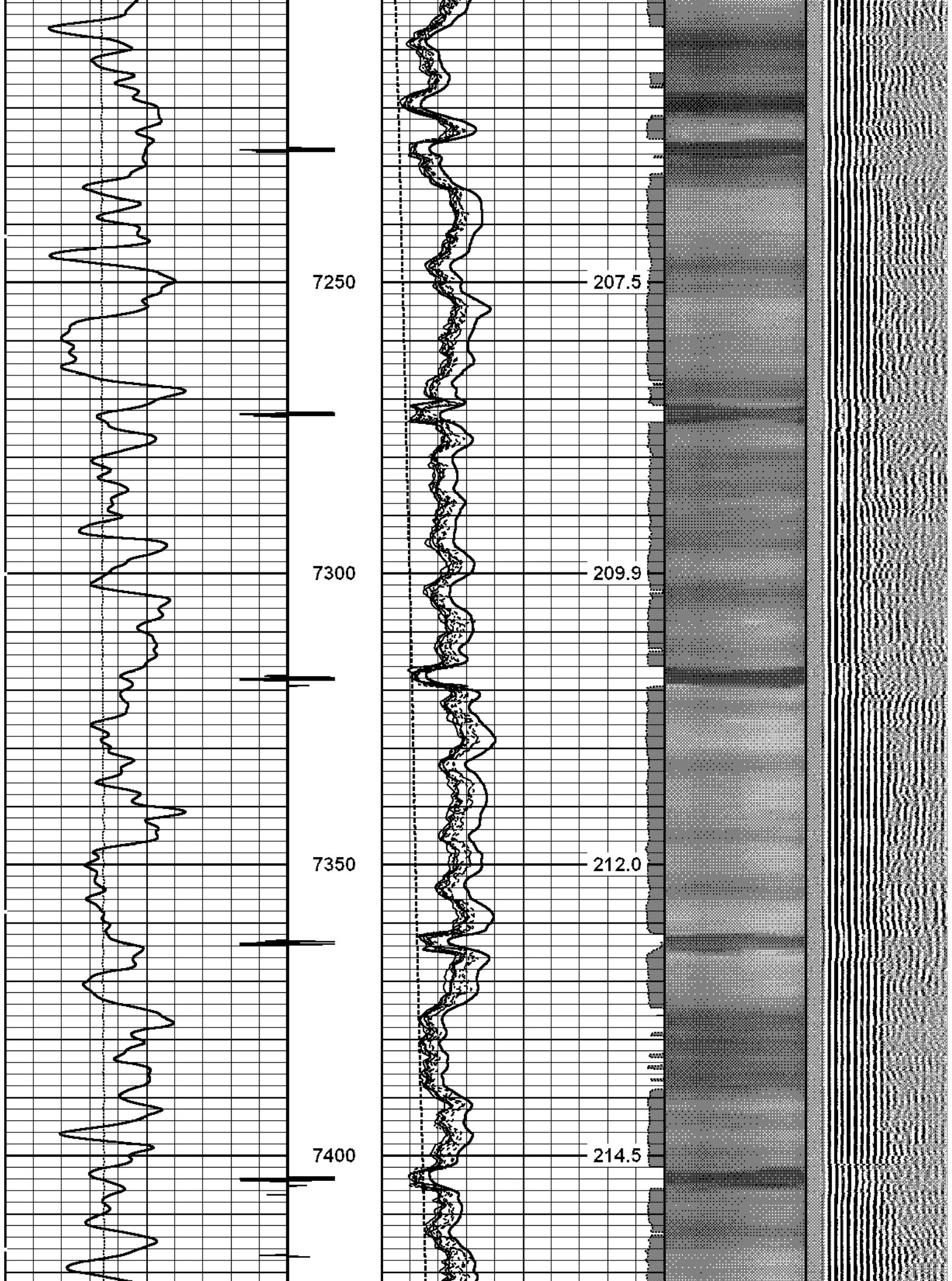


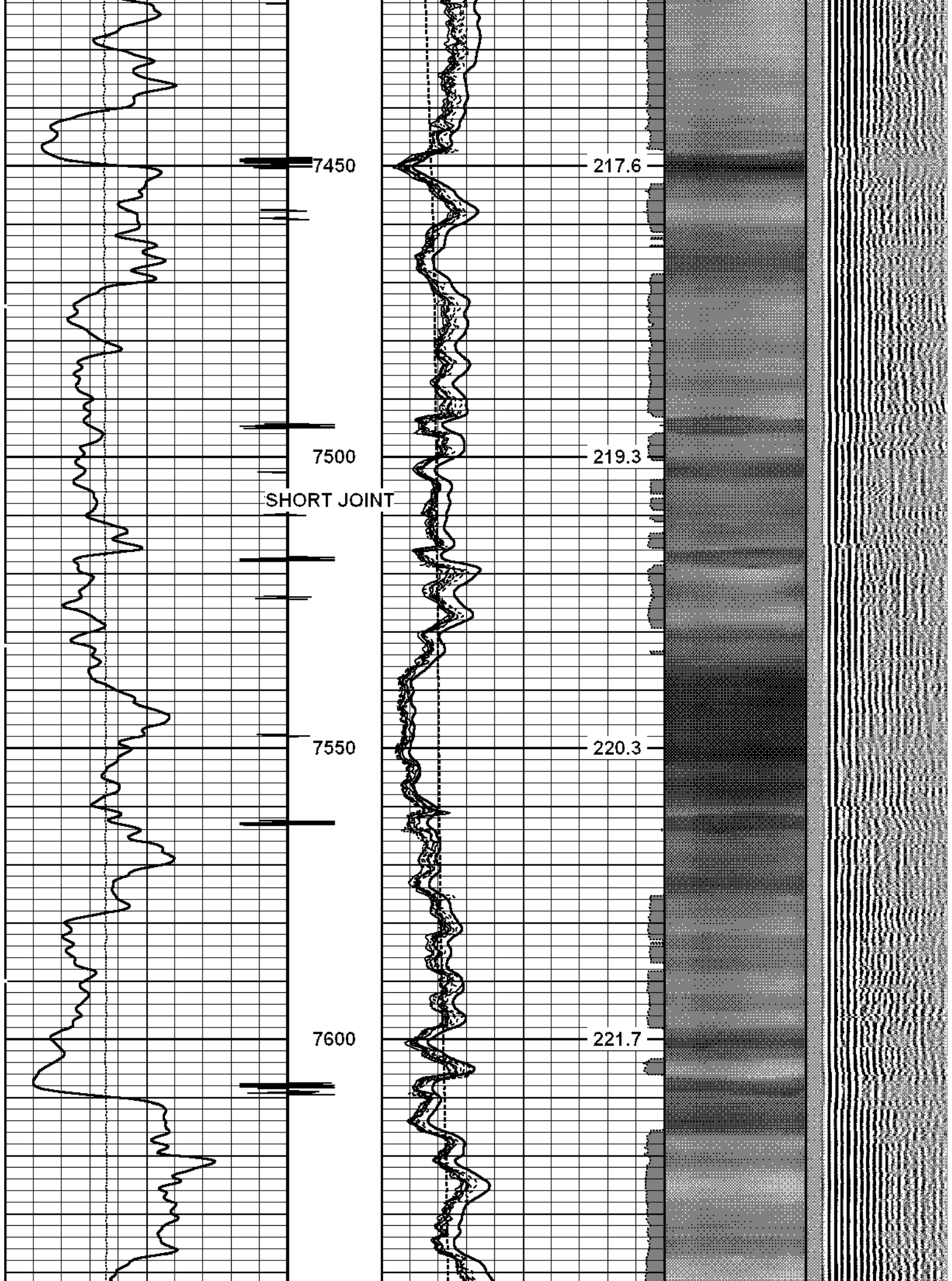


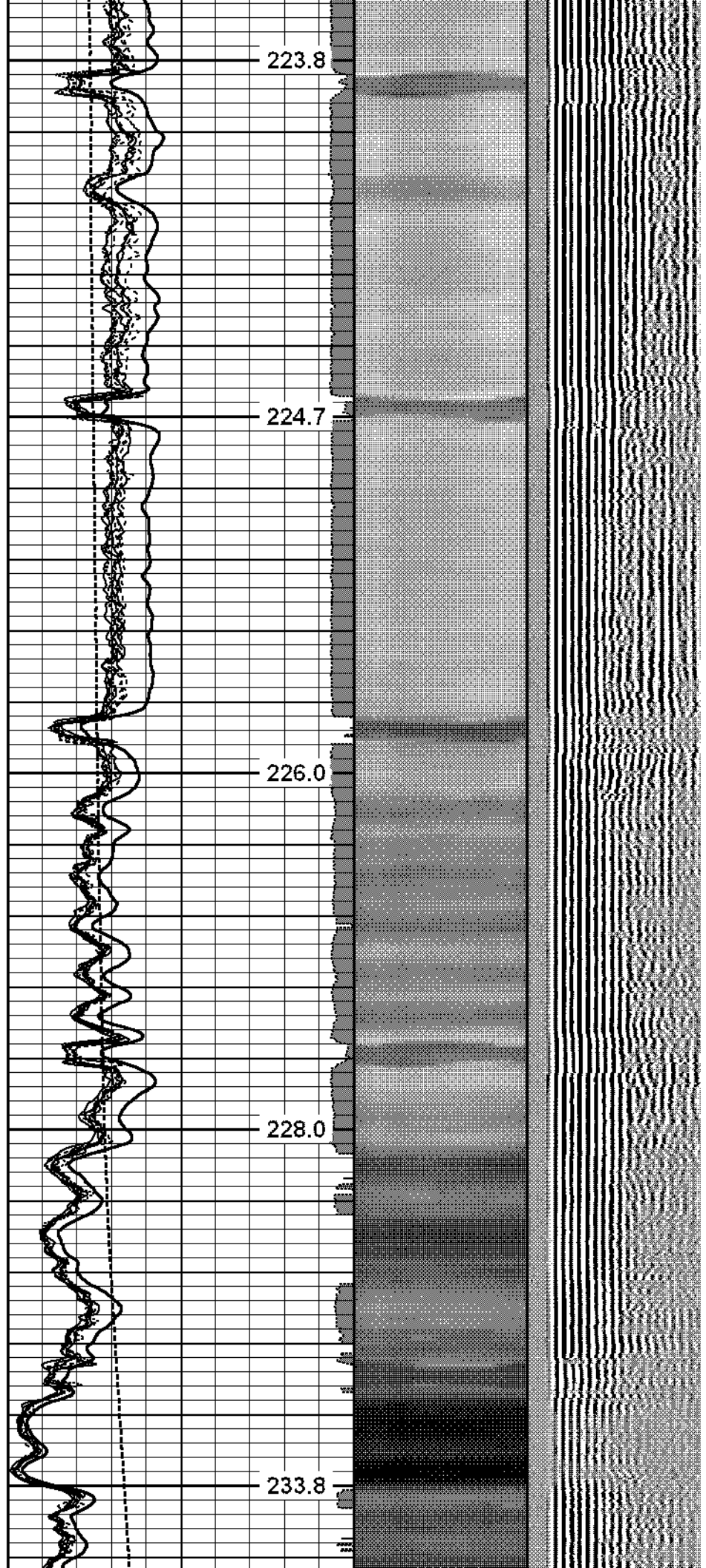
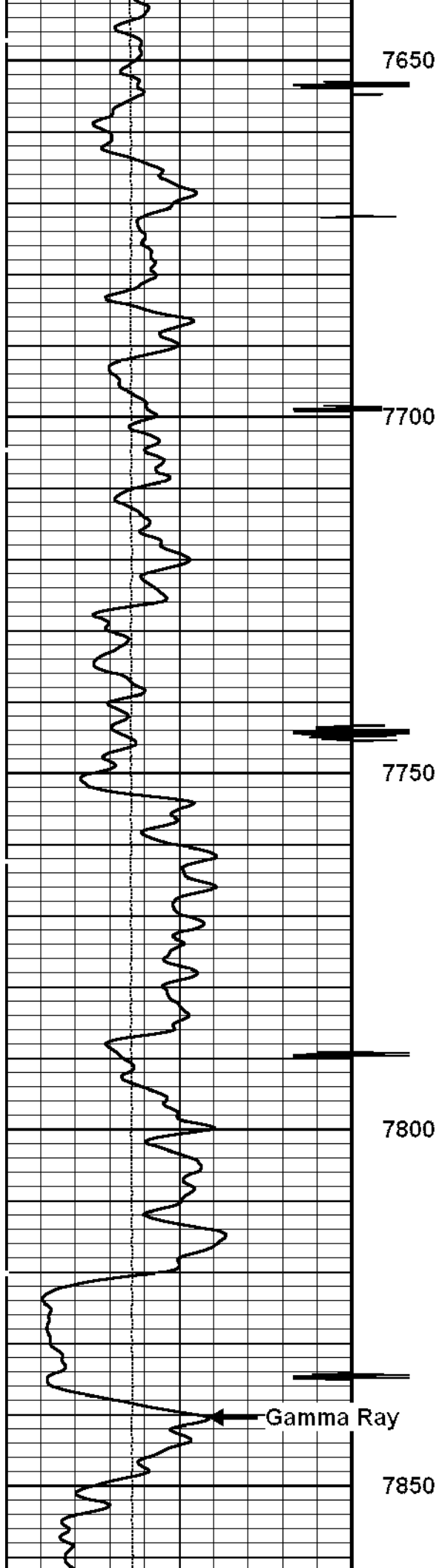


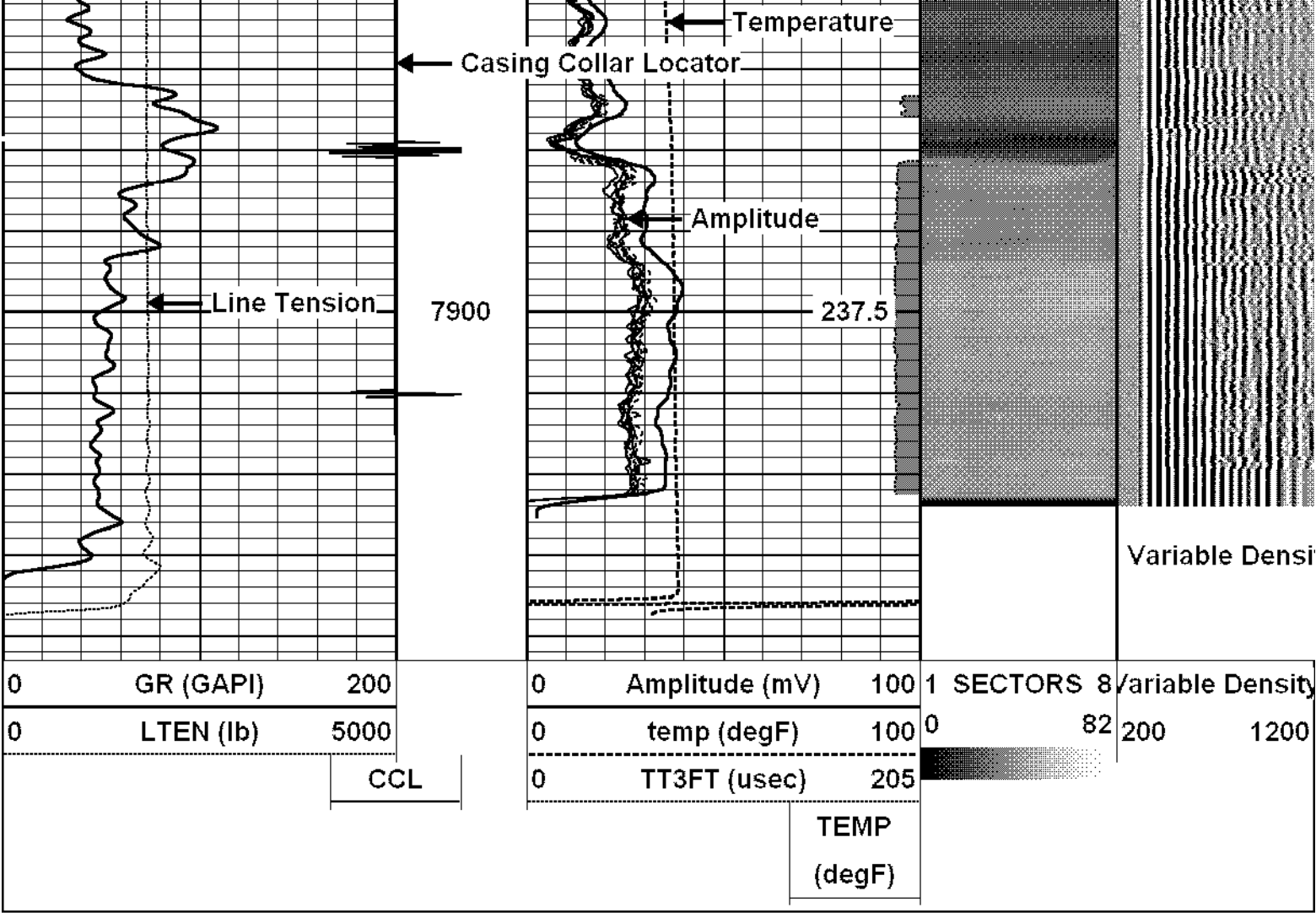




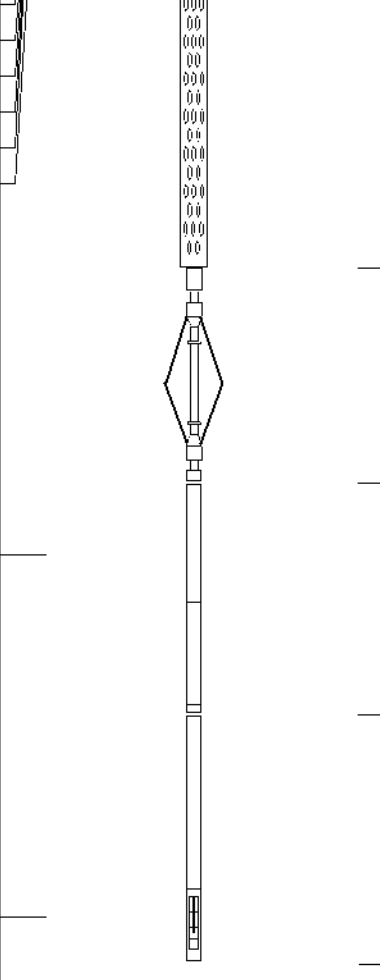









Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	21.68		TITAN	1.02	1.44	1.00
			_SNDX_CCL-SNDX_3_13_CCL (000001) CSS Gamma Ray/CCL (CCL Section)	1.92	3.13	11.02
			SONDEX	2.71	2.75	32.00
WVFS1	13.92		_SNDX_RBT-007 (000003) Radial Bond Tool - Analog 3 1/8	9.47	3.13	140.00
WVFS2	13.92					
WVFS3	13.92					
WVFS4	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		SONDX_GR-SONDX_3_13_GR (000001) Sondex Production Gamma Ray	2.94	3.13	22.05	
			TEMP-SONDX_TEMP (SONDX_TEMP_02) Sondex Production Temperature Tool	3.14	1.63	10.00	
TEMP	0.58						
Dataset: dixon a5 cbl.db: field/well/run1/pass11 Total Length: 23.90 ft Total Weight: 248.07 lb O.D. 3.13 in							

	Company	ANTERO RESOURCES
	Well	DIXON A5
	Field	MAMM CREEK
	County	GARFIELD
	State	CO