



CEMENT BOND LOG

Mesa Wireline

Company	ANTERO RESOURCES PICEANCE CORP.		
Well	McLIN C 2		
Field	MAMM CREEK		
County	GARFIELD	State	COLORADO
Location:	API # : 06-046-20112-0000		Other Services
SEC. 13 TWP. 06S RGE. 92W		HOLE	
Permanent Datum	GROUNDE LEVEL	Elevation	5725'
Log Measured From	KELLY BUSHING = 24 FT		K.B. 5749'
Drilling Measured From	KELLY BUSHING		D.F. 5748'
			G.L. 5725'

Date	13 JUN 2012			
Run Number	ONE			
Depth Driller	7332'			
Depth Logger	7332'			
Bottom Logged Interval	7332'			
Top Log Interval	SURFACE			
Open Hole Size	7.875"			
Type Fluid	WATER			
Density / Viscosity	~8.34#/GAL			
Max. Recorded Temp.	210 DEG F			
Estimated Cement Top	1890'			
Time Well Ready	N/A			
Time Logger on Bottom	1115			
Equipment Number	FL0802			
Location	GRAND JUNCTION			
Recorded By	M.BERNATCHEZ			
Witnessed By	L. GARDNER			
Borehole Record		Tubing Record		
Run Number	Bit	From	To	Size
ONE	24.0"	SURFACE	80'	
TWO	12.25"	60'	1000'	
THREE	7.875"	1000'	7332'	
Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8.625"		24.0"	SURFACE
Prot. String				
Production String	4.5"		11.6#	SURFACE
Liner				7332'

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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

NO LOG AVAILABLE FOR CORRELATION.

SHORT JOINTS: 4264' - 7286' & 8420' - 8443' & 8687' - 8909'

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, GRAND JUNCTION CO. (970) 257-04



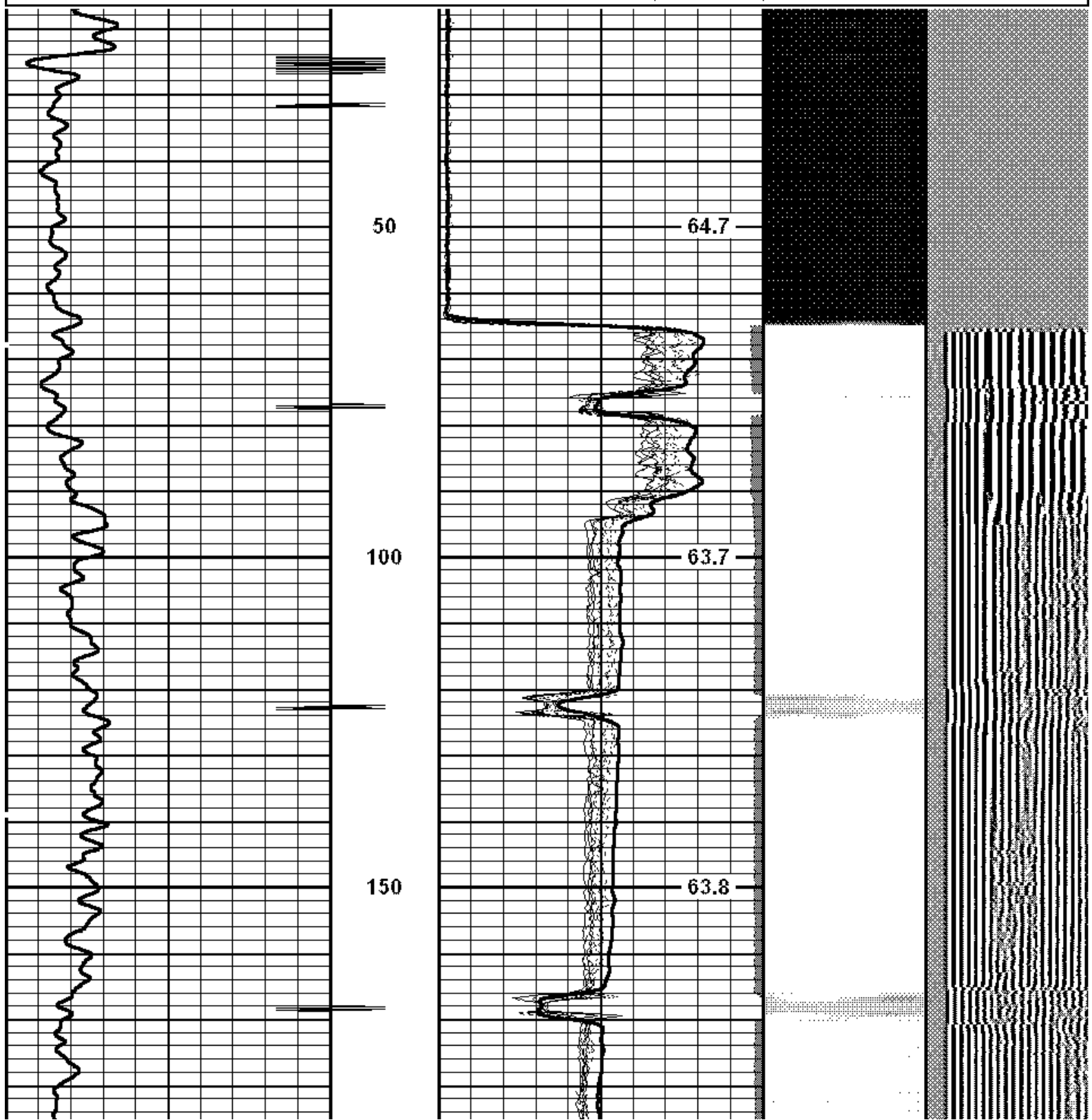
MAIN LOG PASS

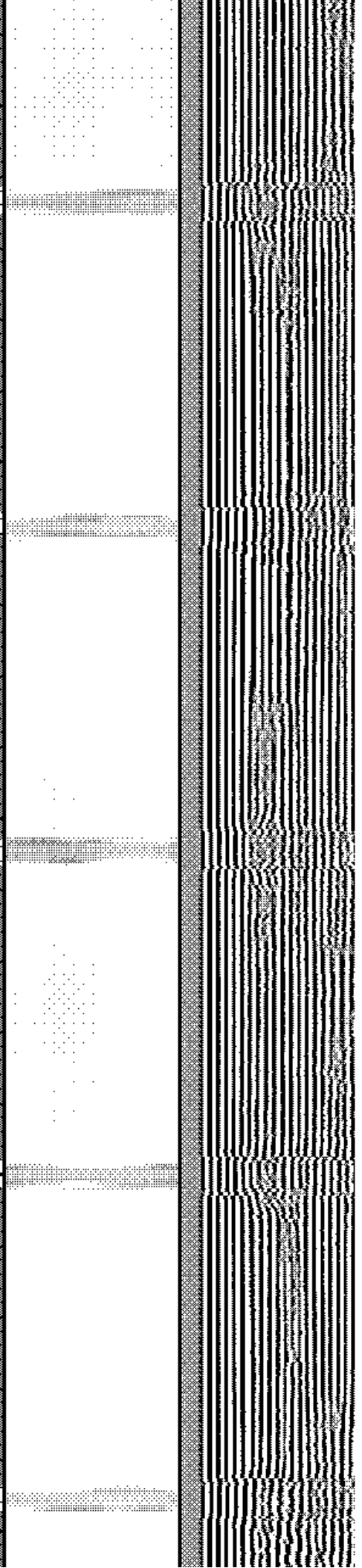
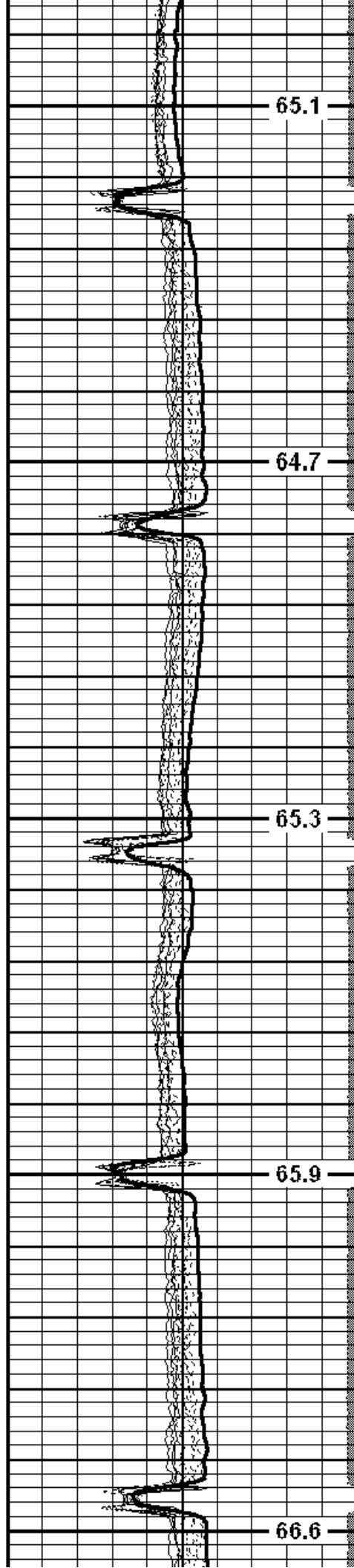
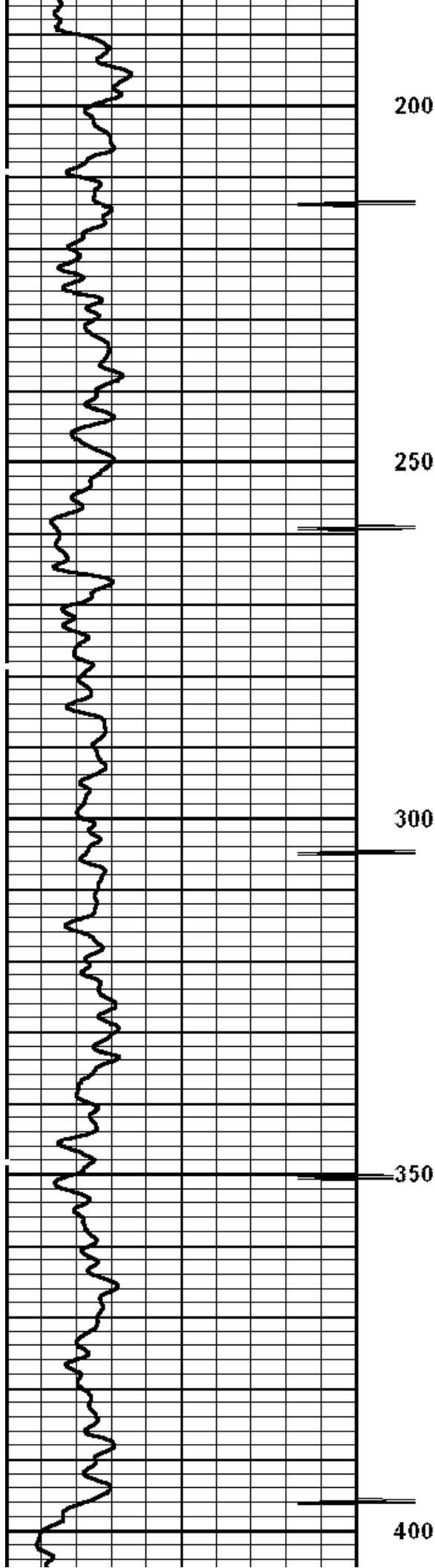
SCALE 5" = 100'

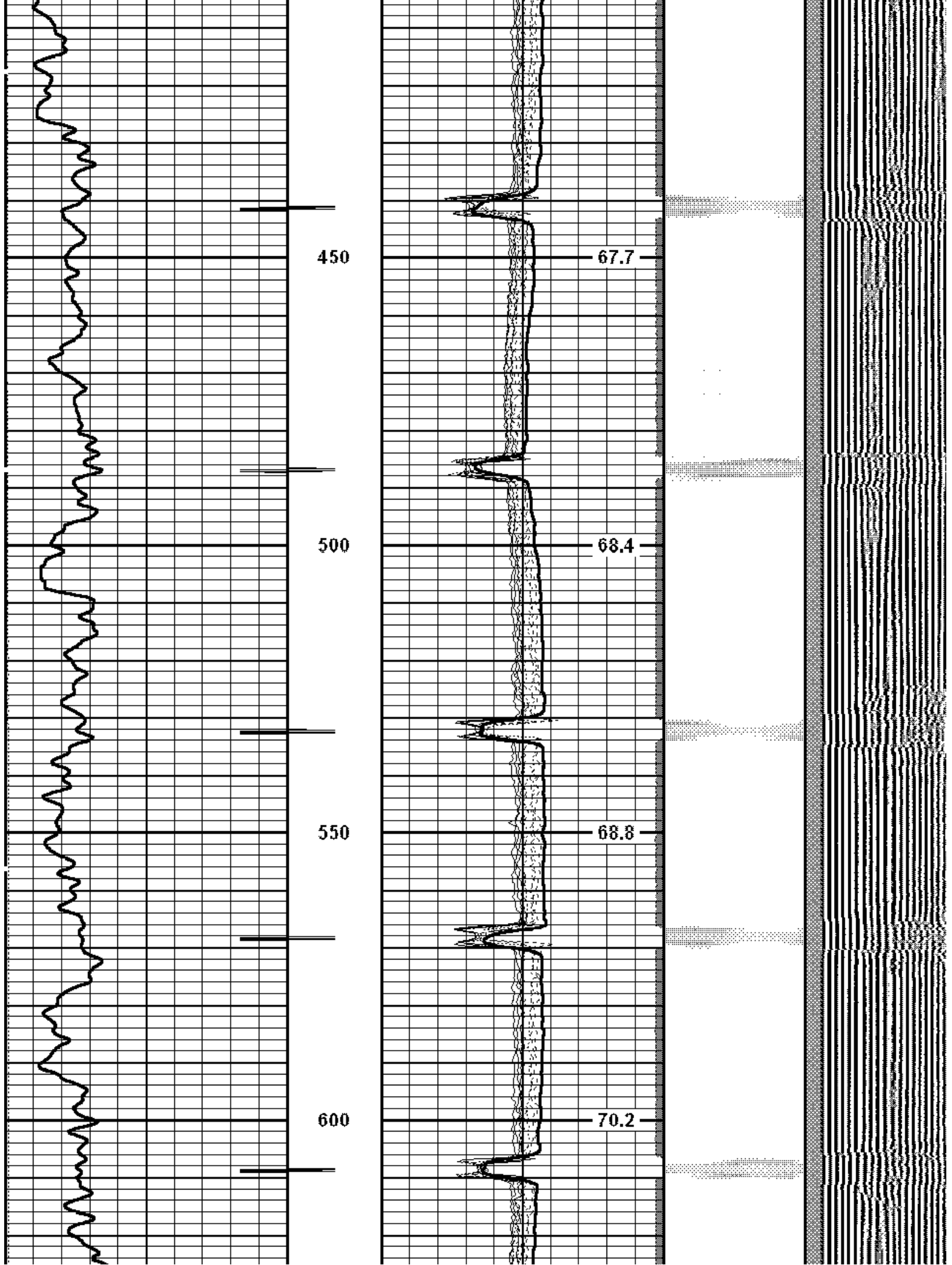
Mesa Wireline

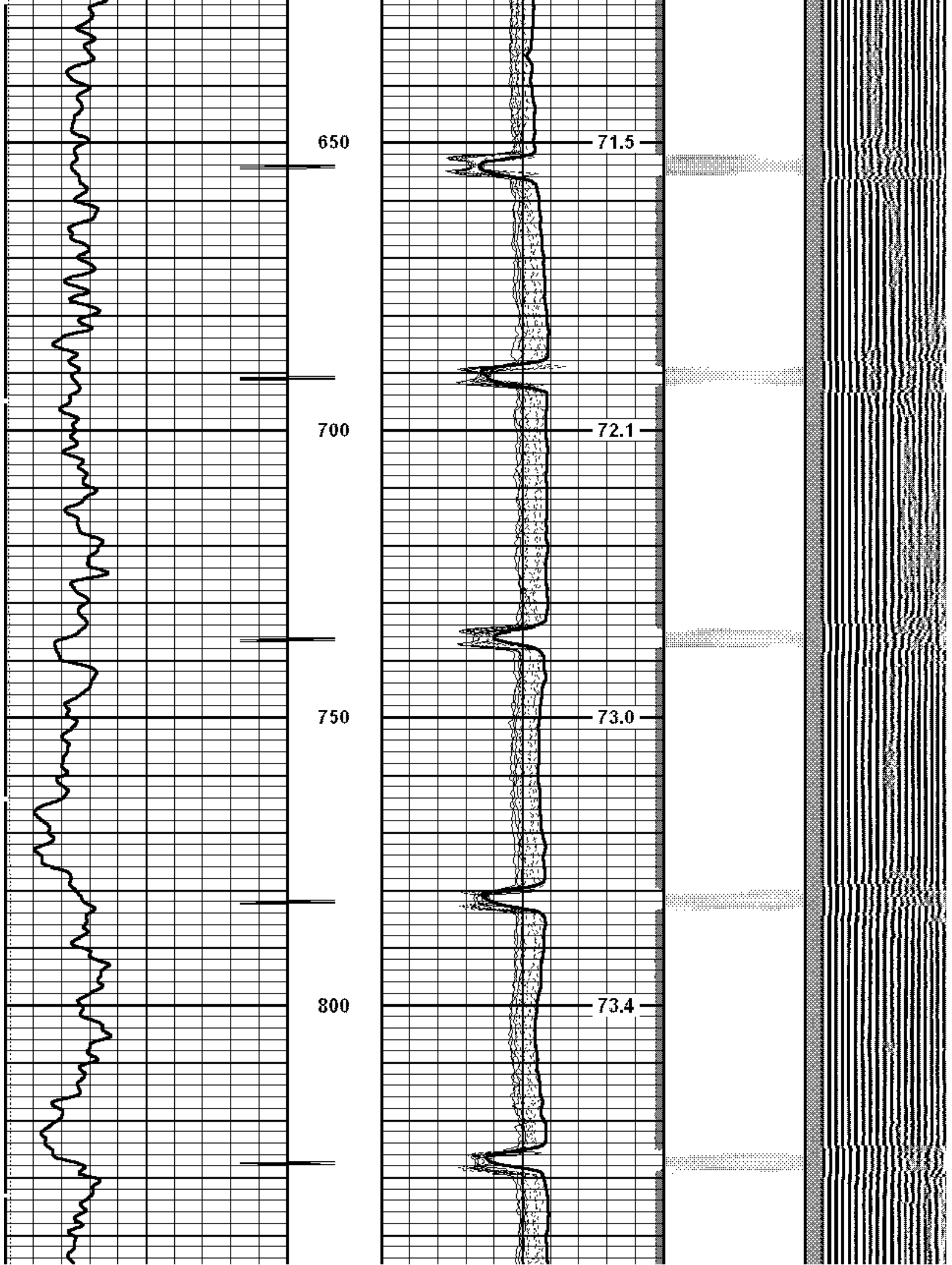
Database File: mclin c2.db
Dataset Pathname: pass2
Presentation Format: rbtfinal
Dataset Creation: Wed Jun 13 11:19:54 2012 by Log Std Casedhole 08121
Charted by: Depth in Feet scaled 1:240

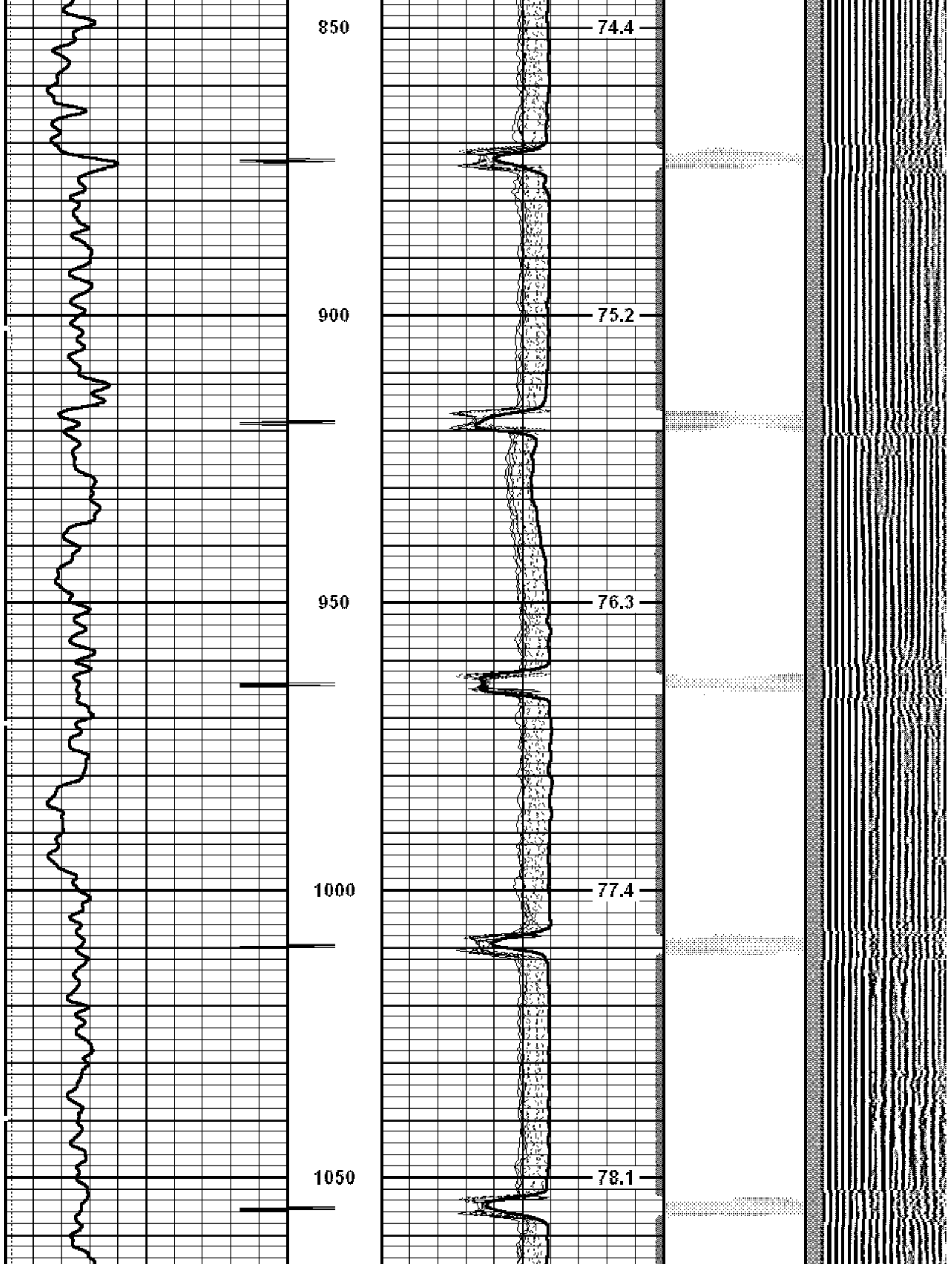
0	GR (GAPI)	200	0	Amplitude (mV)	100	1 SECTORS	8	Variable Density
0	LTEN (lb)	5000	0	TT3FT (usec)	200	0	70	200 1200
		CCL			TEMP (degF)			

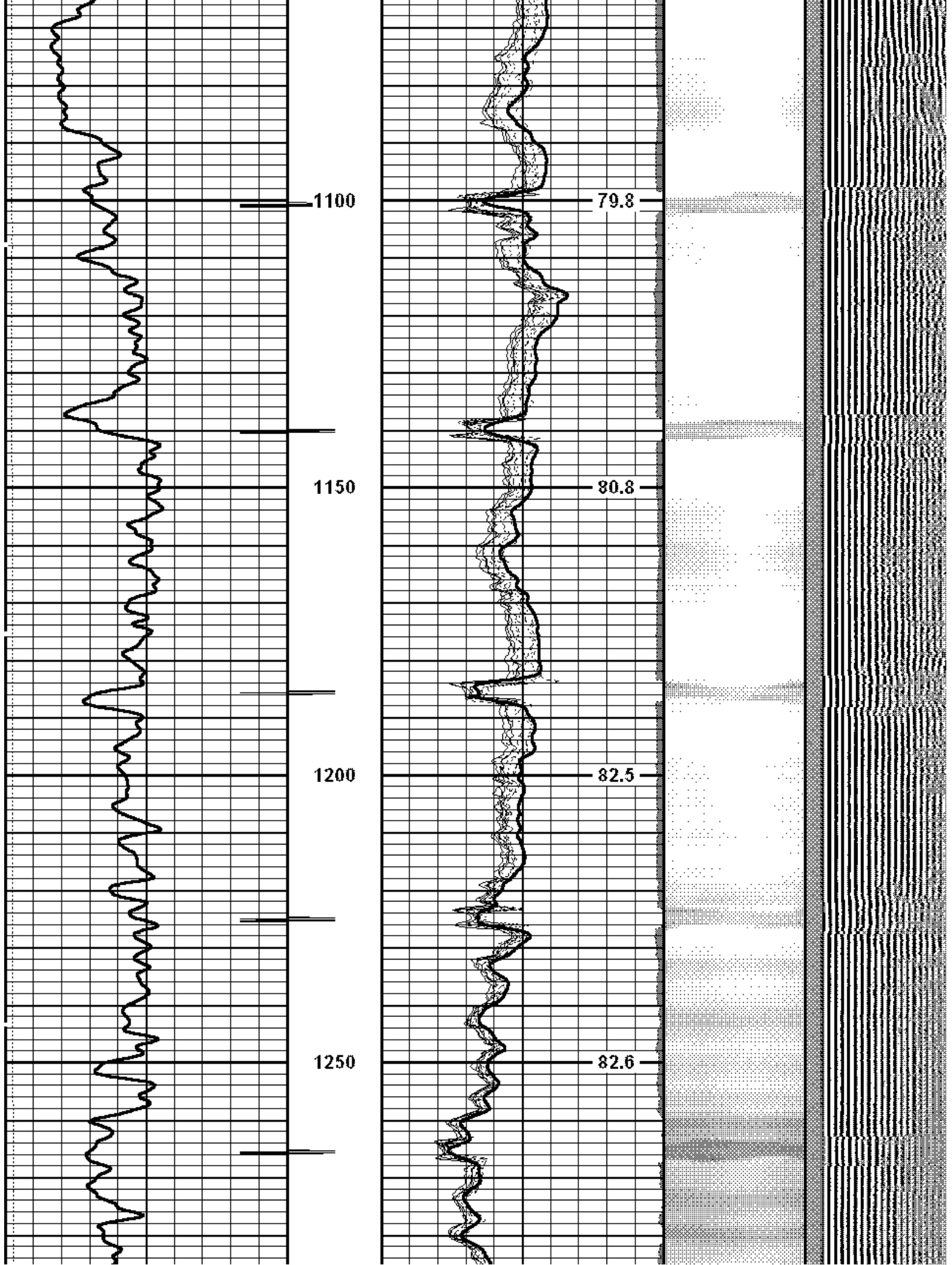


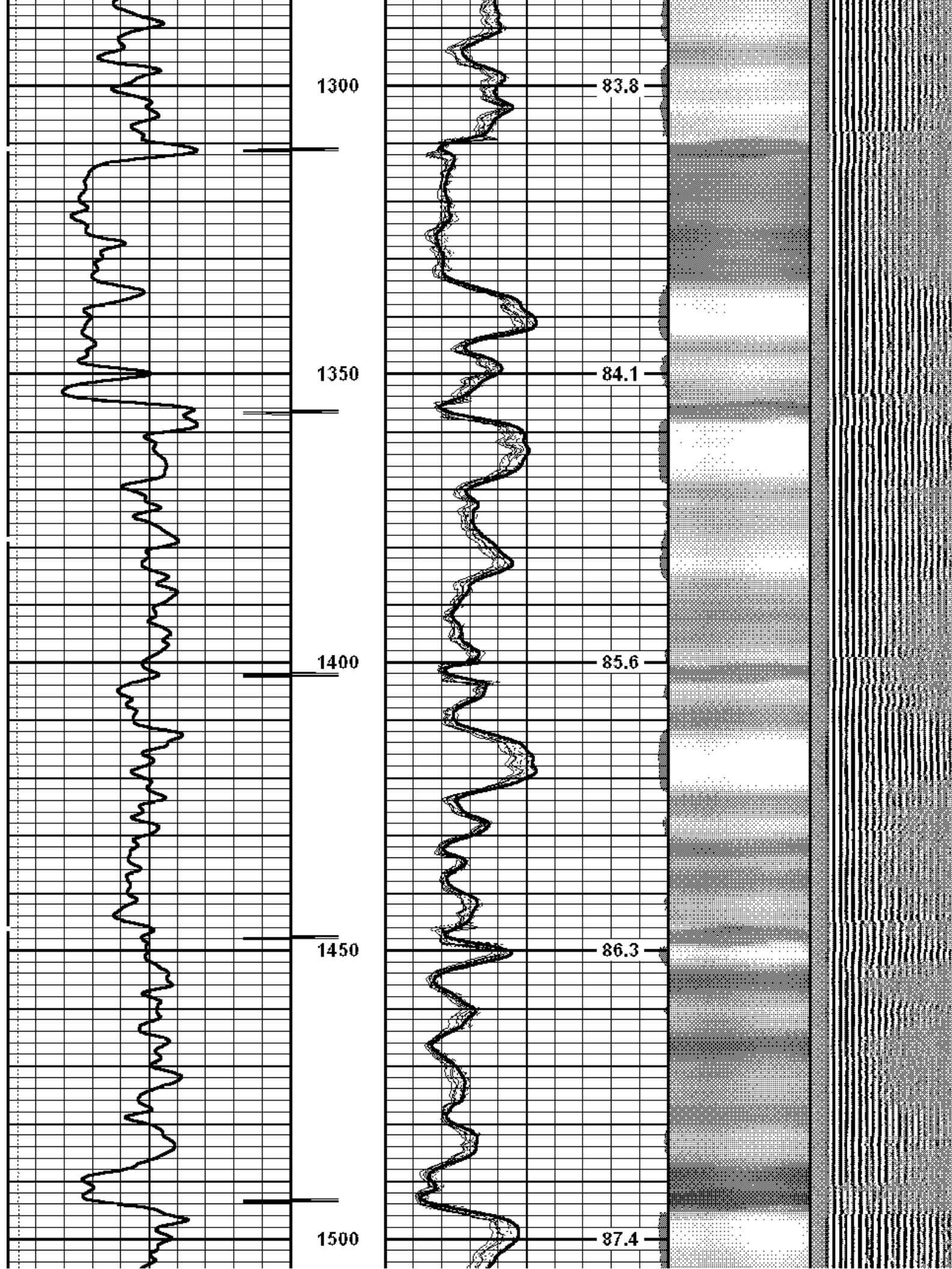


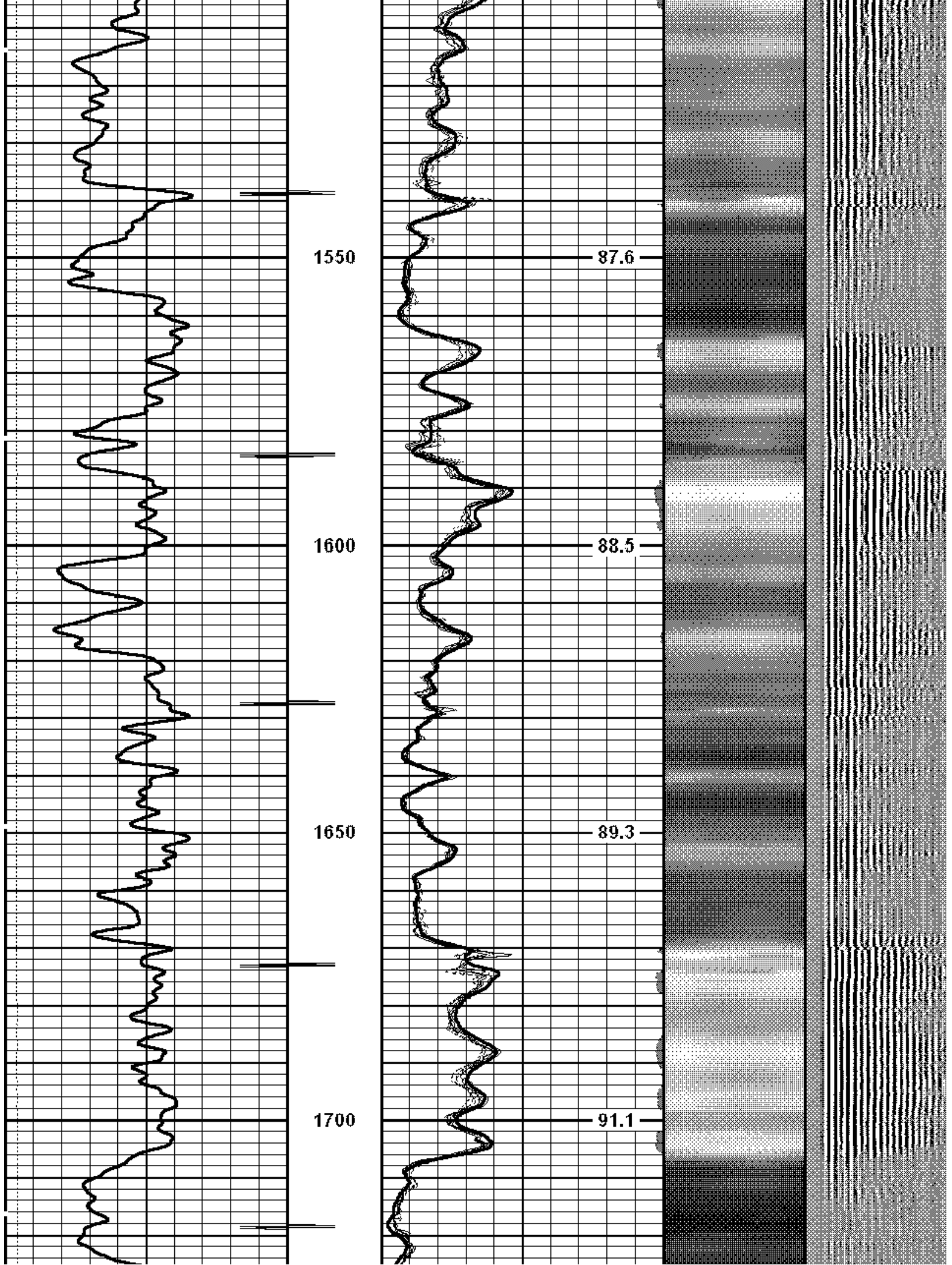


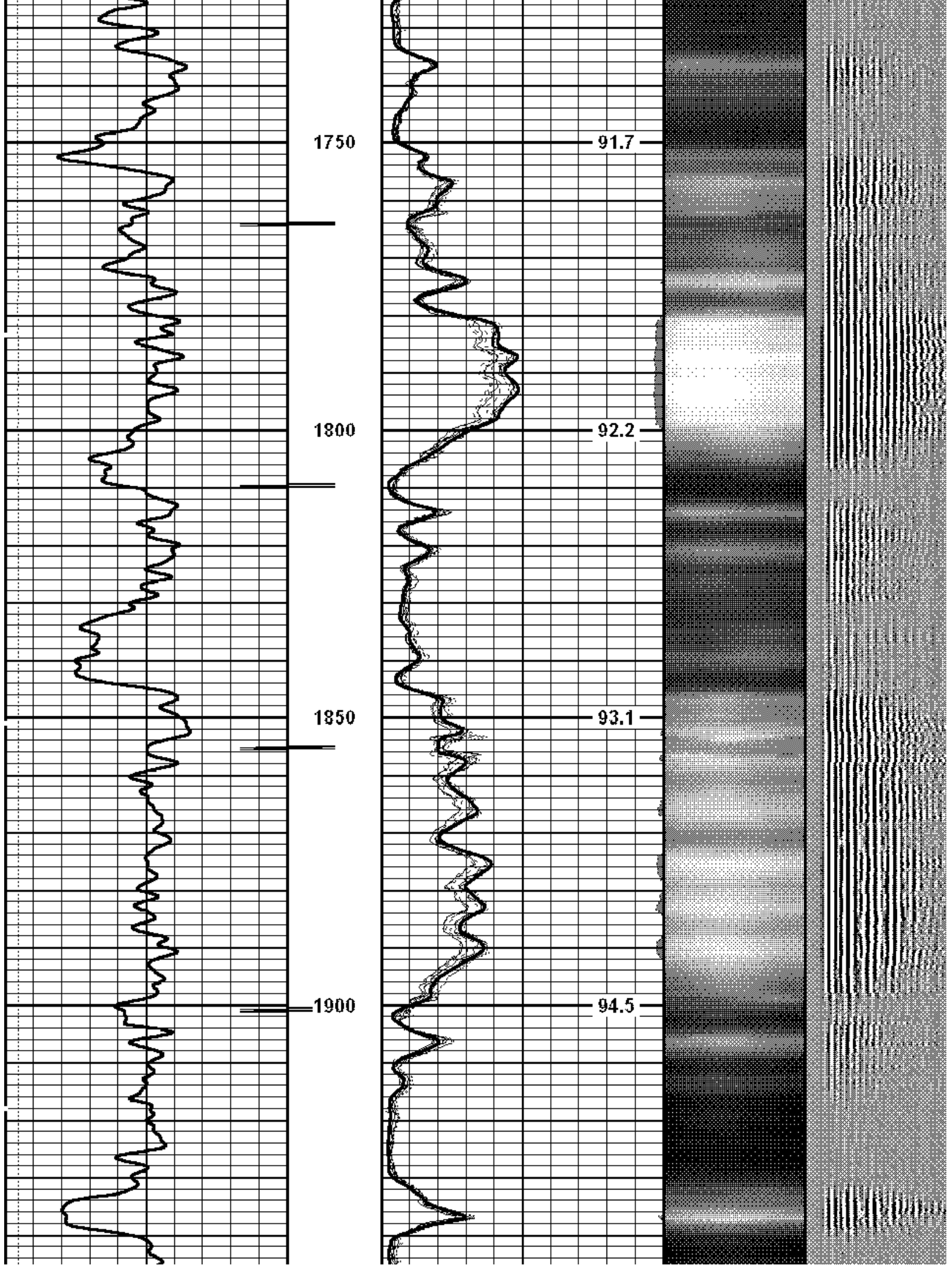


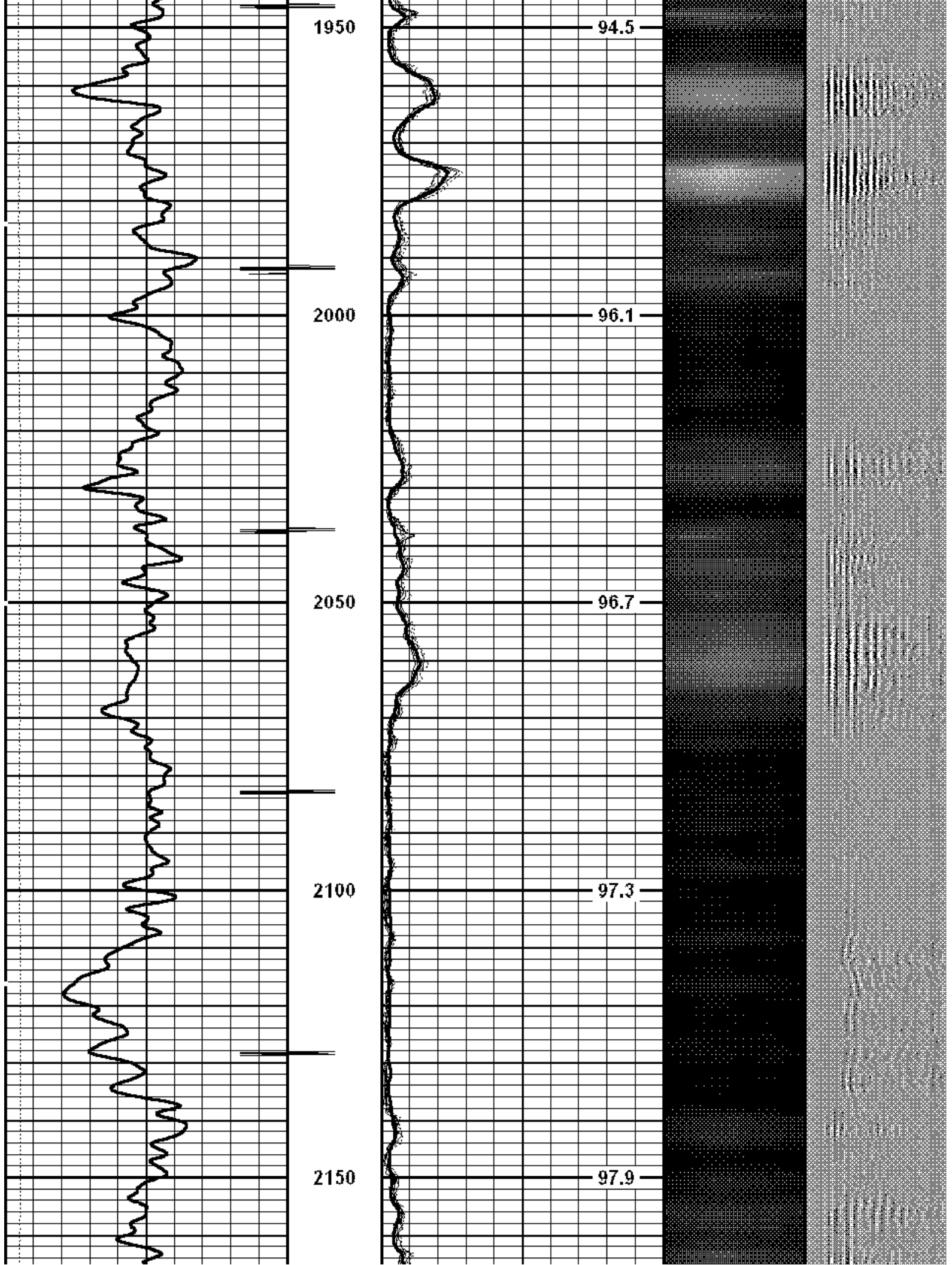


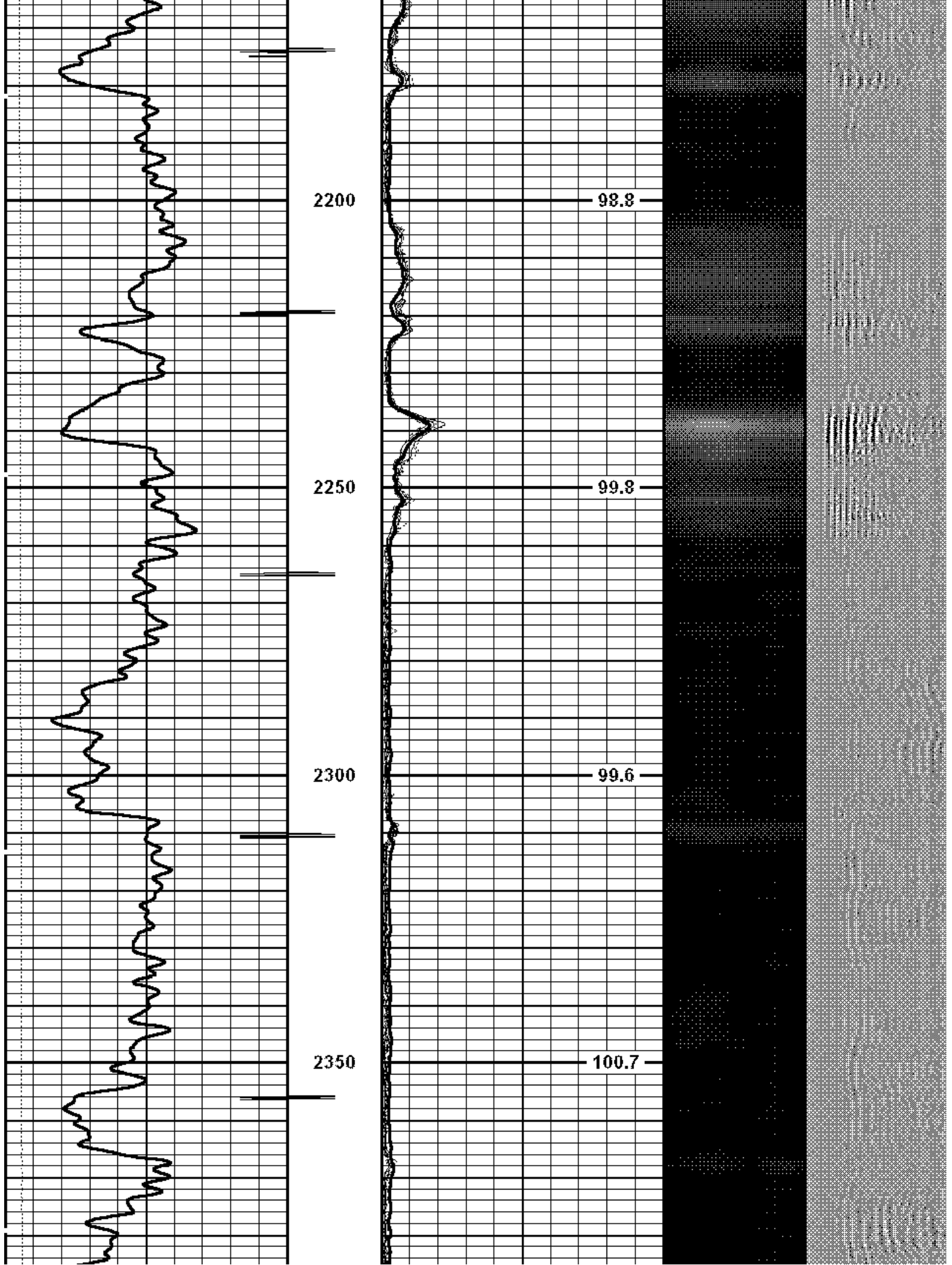


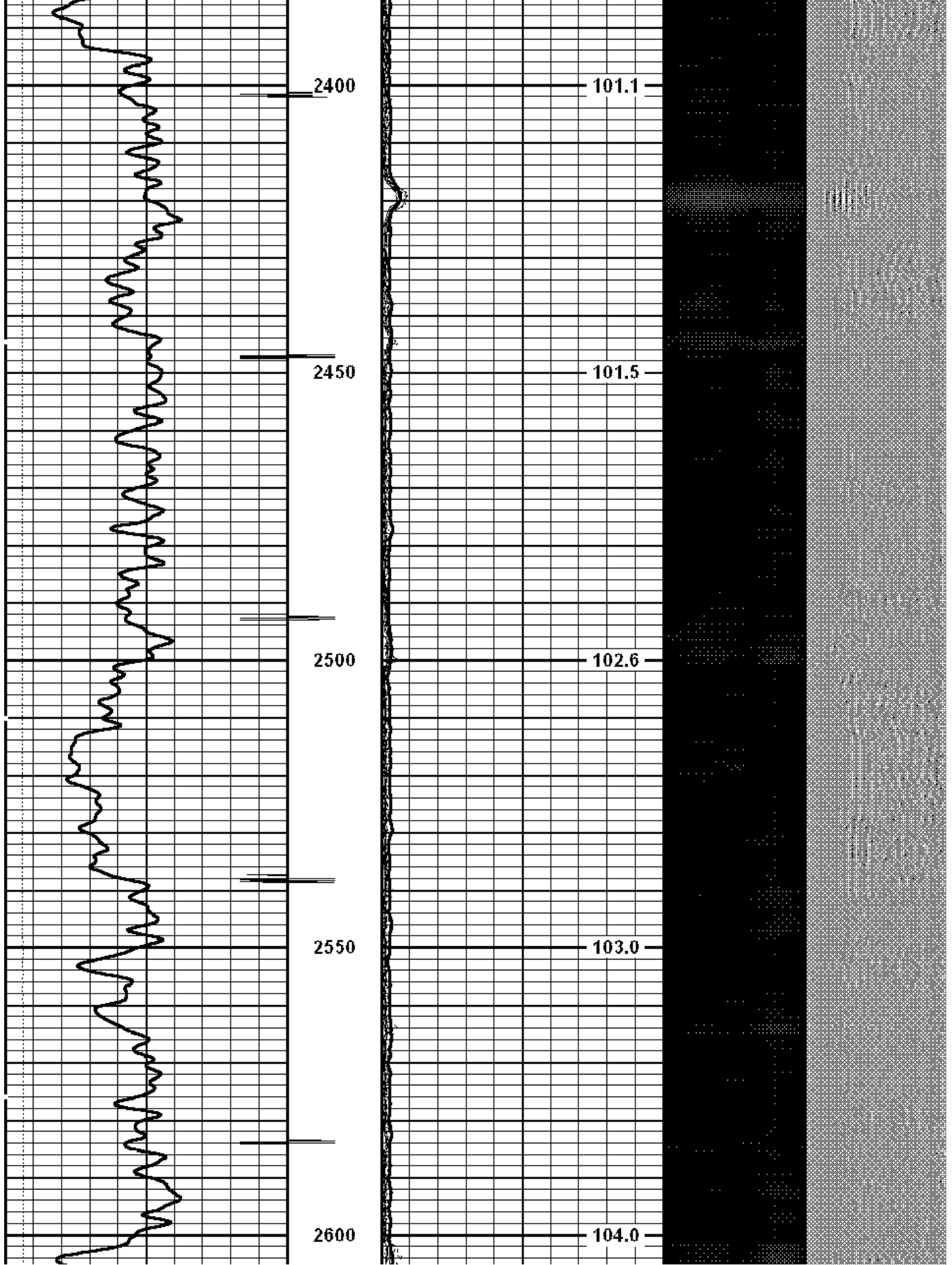


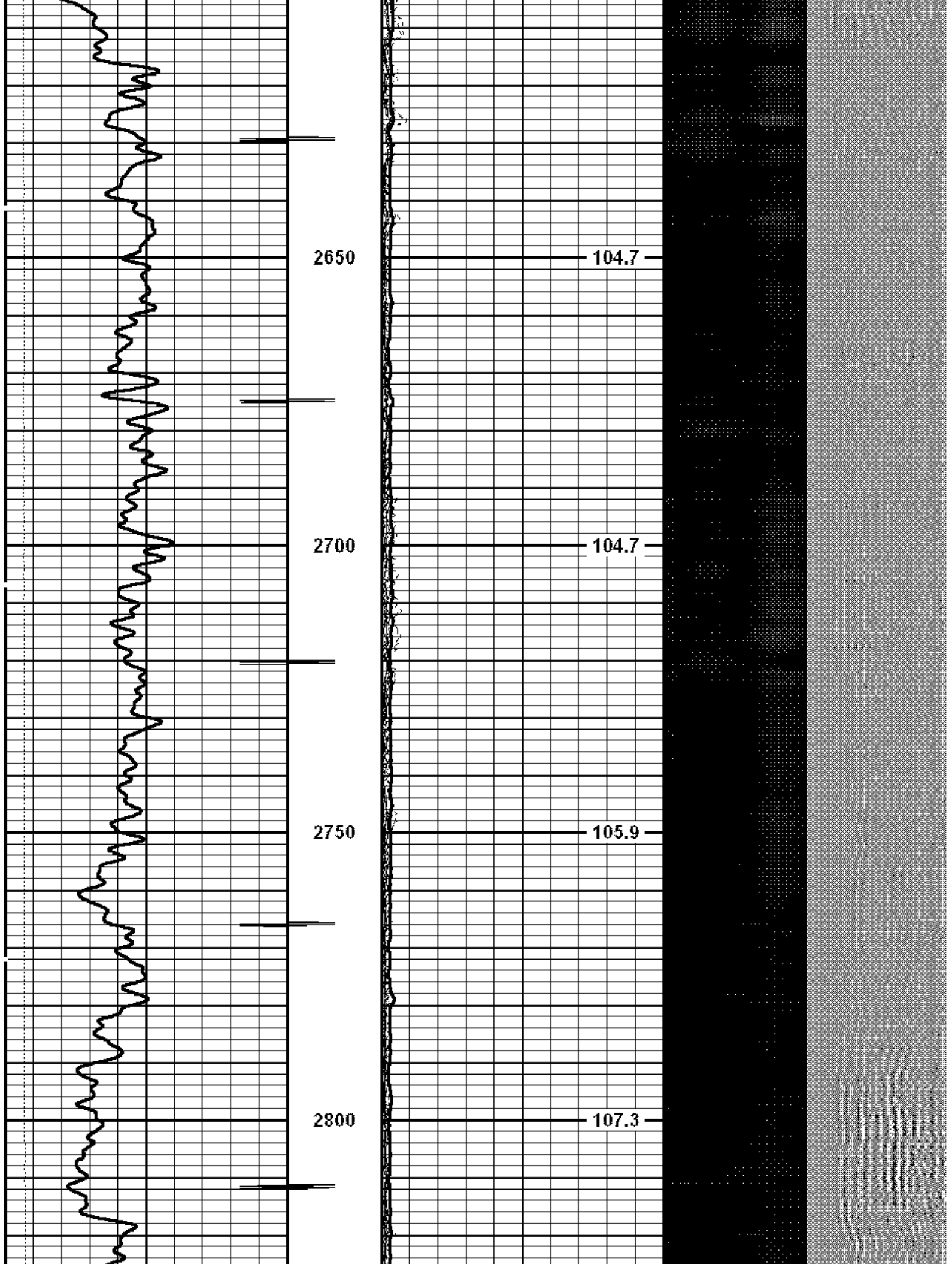


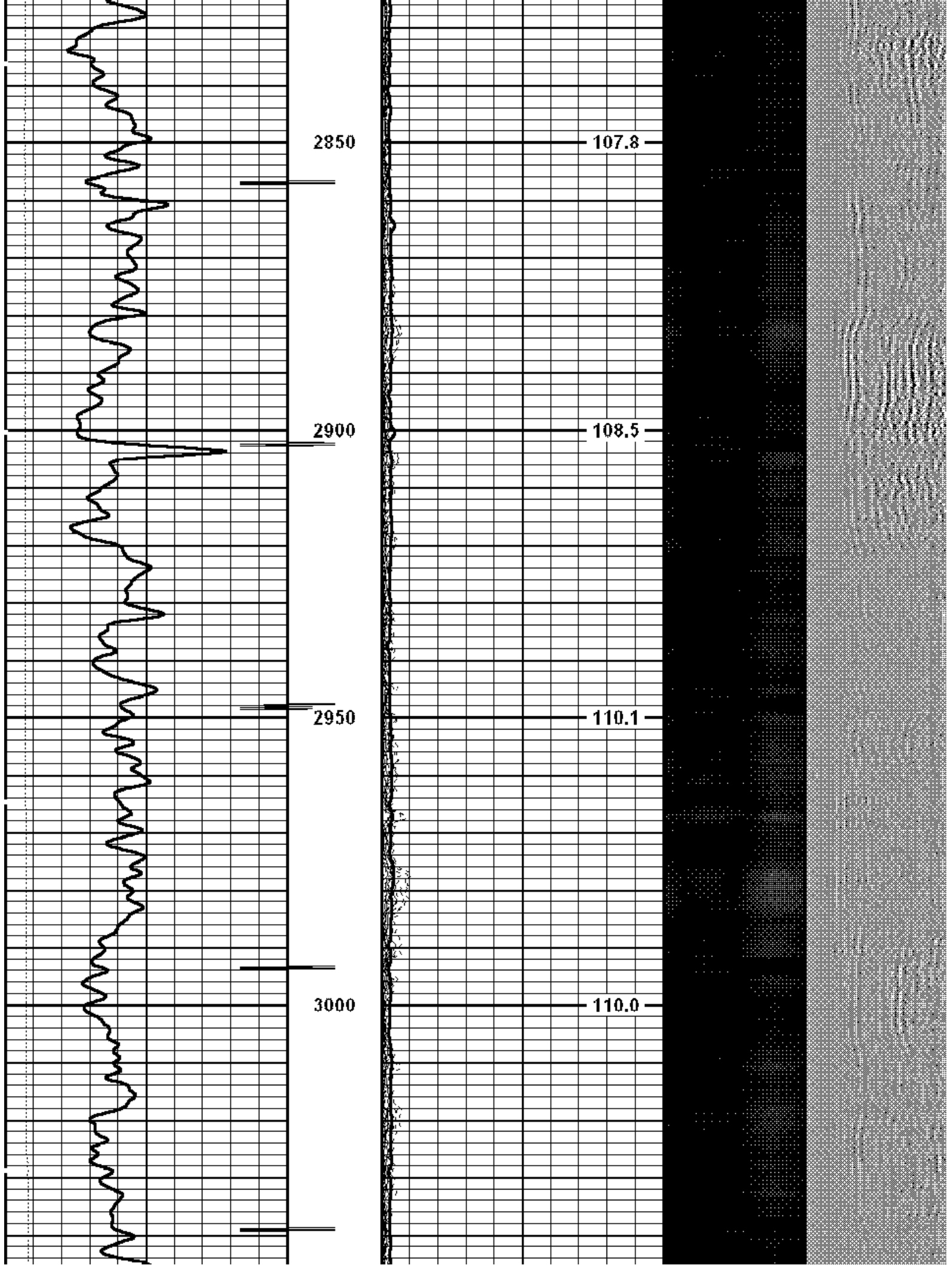


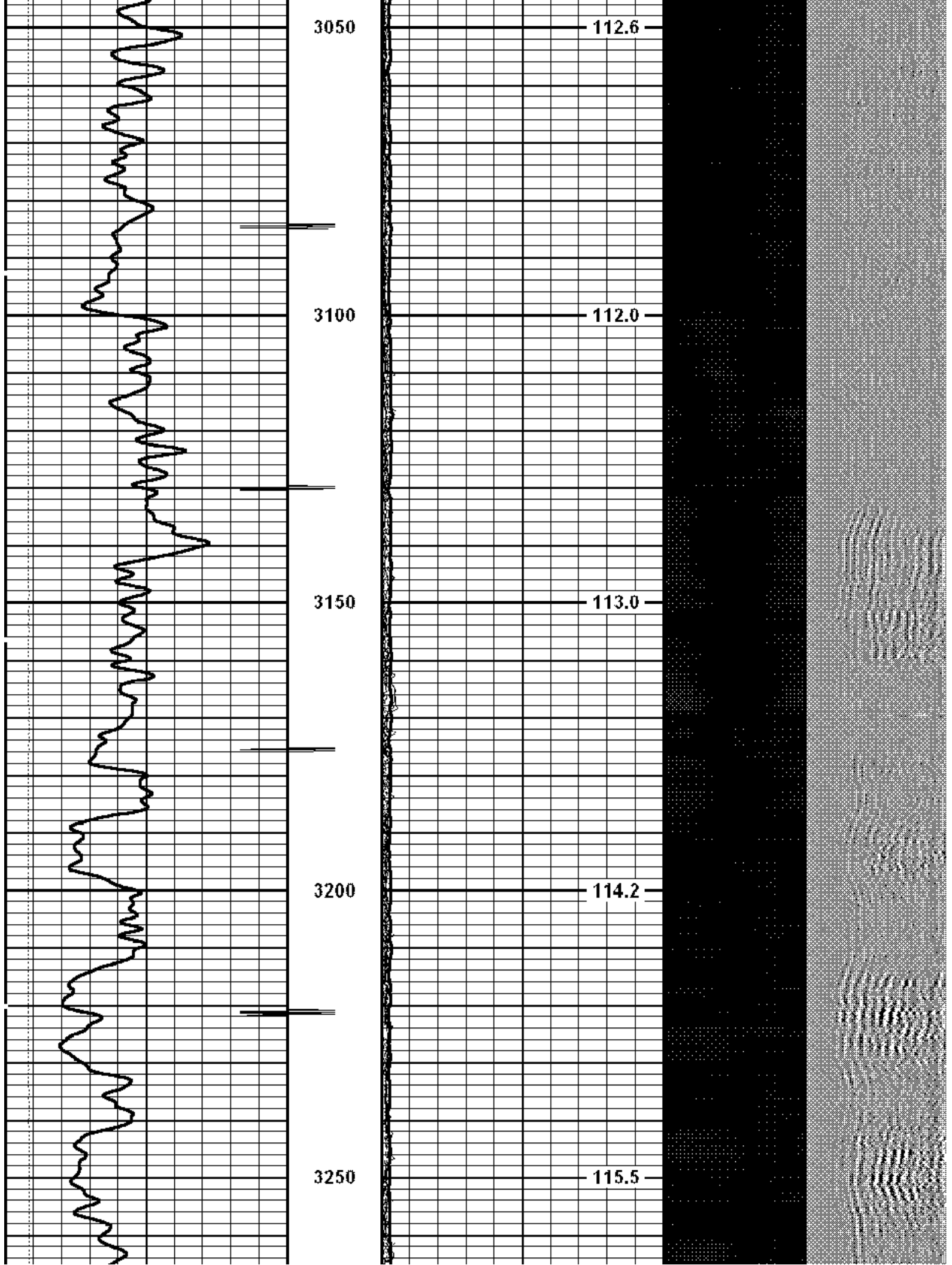


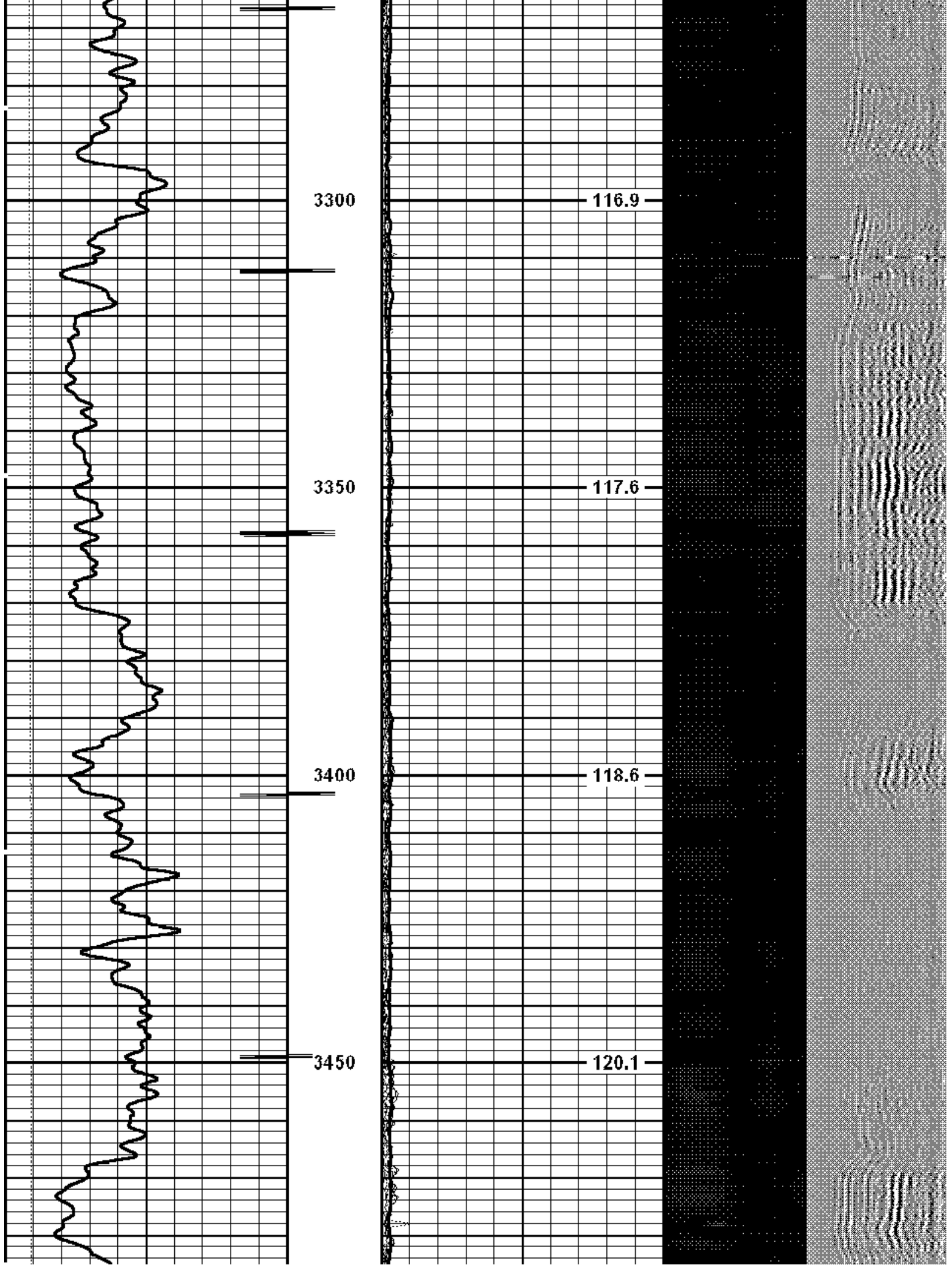


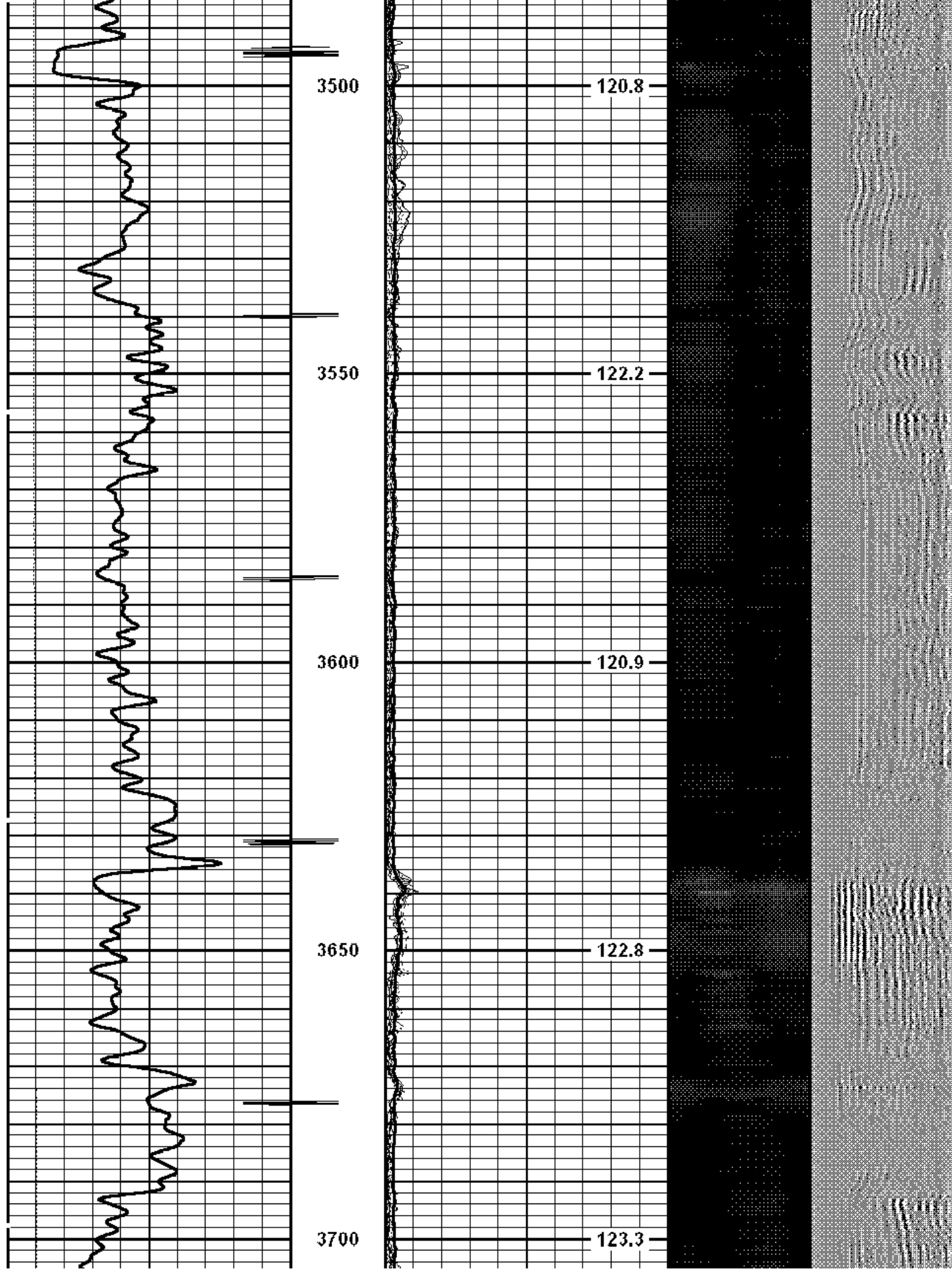


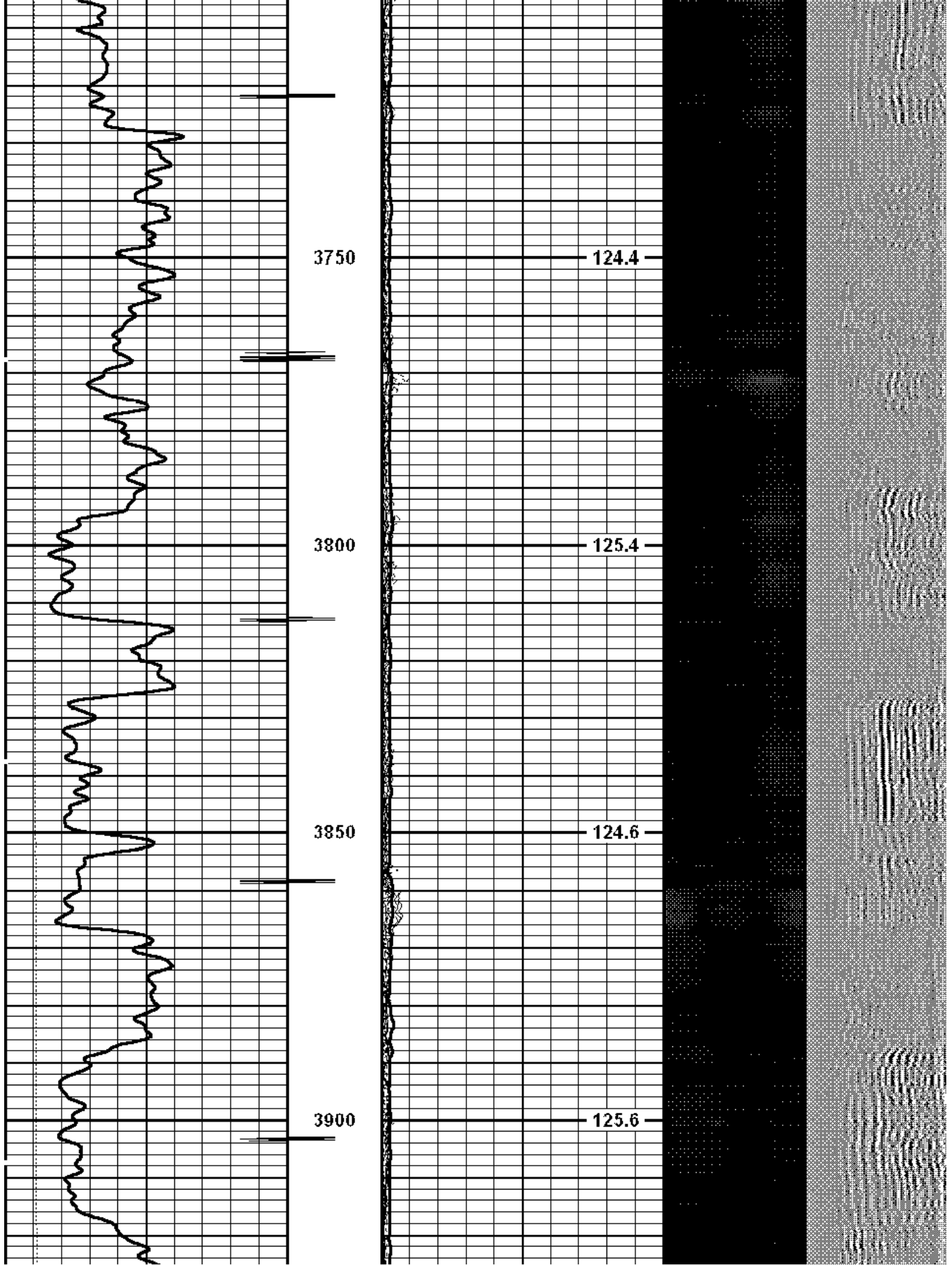


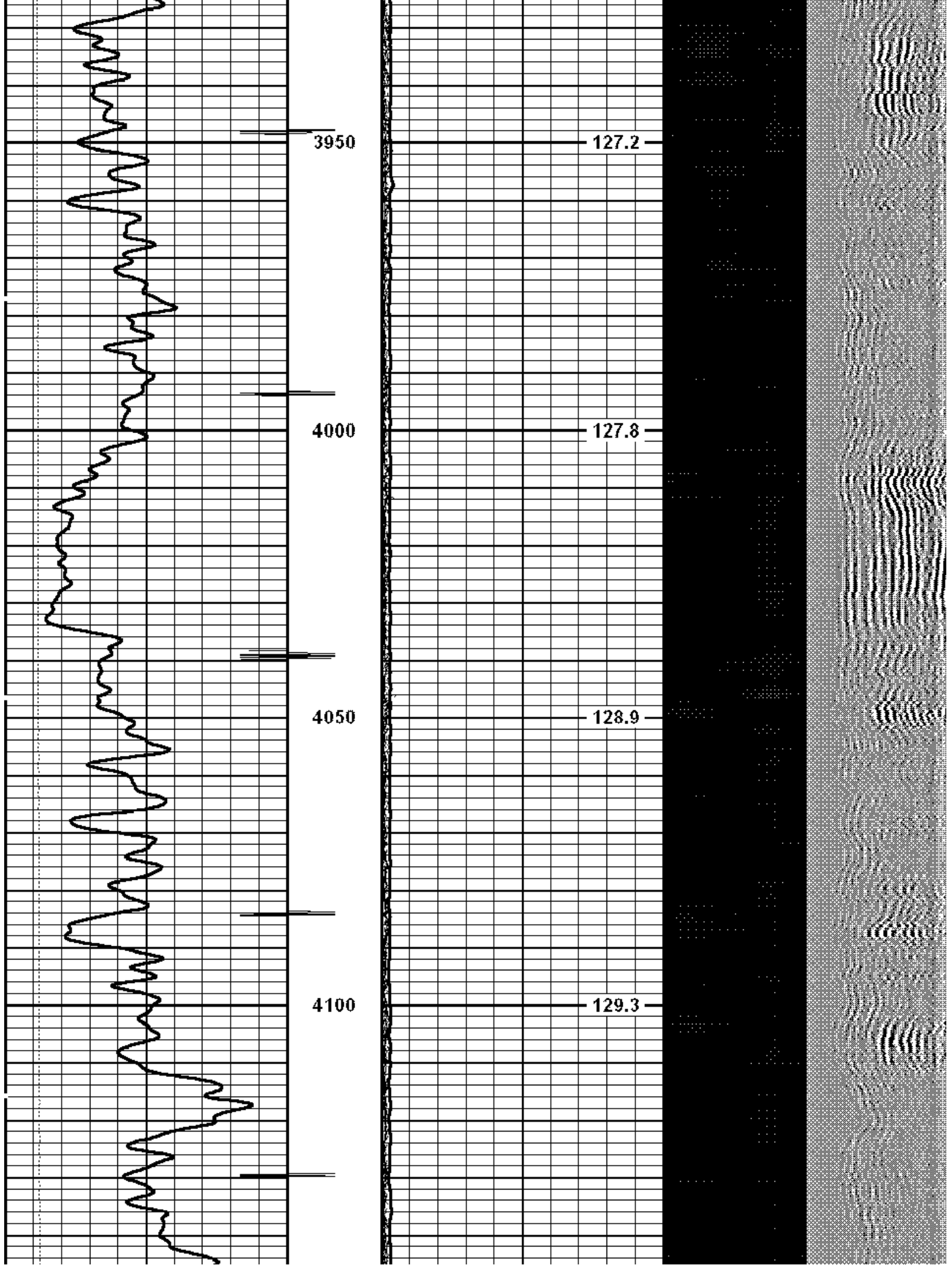


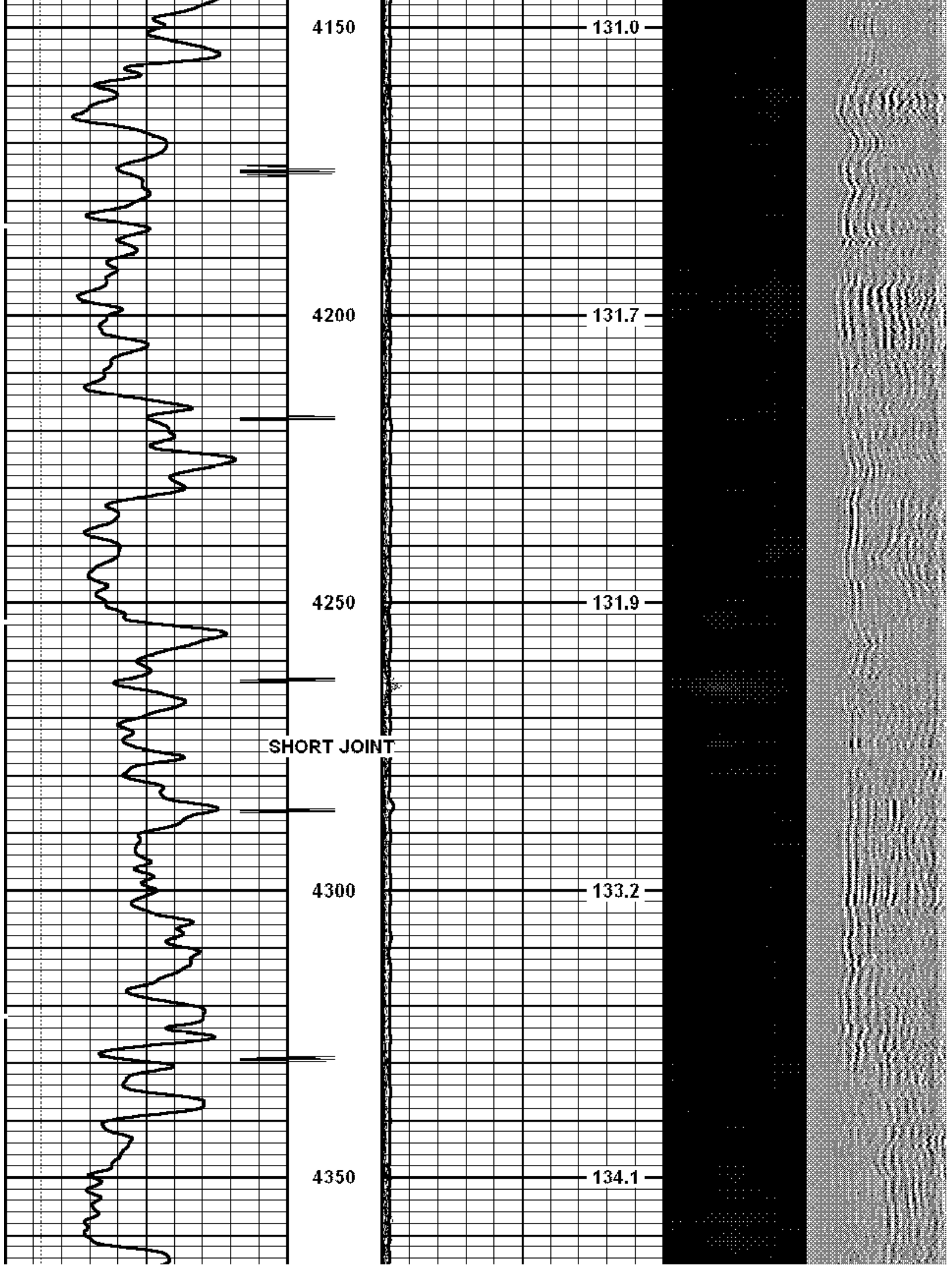


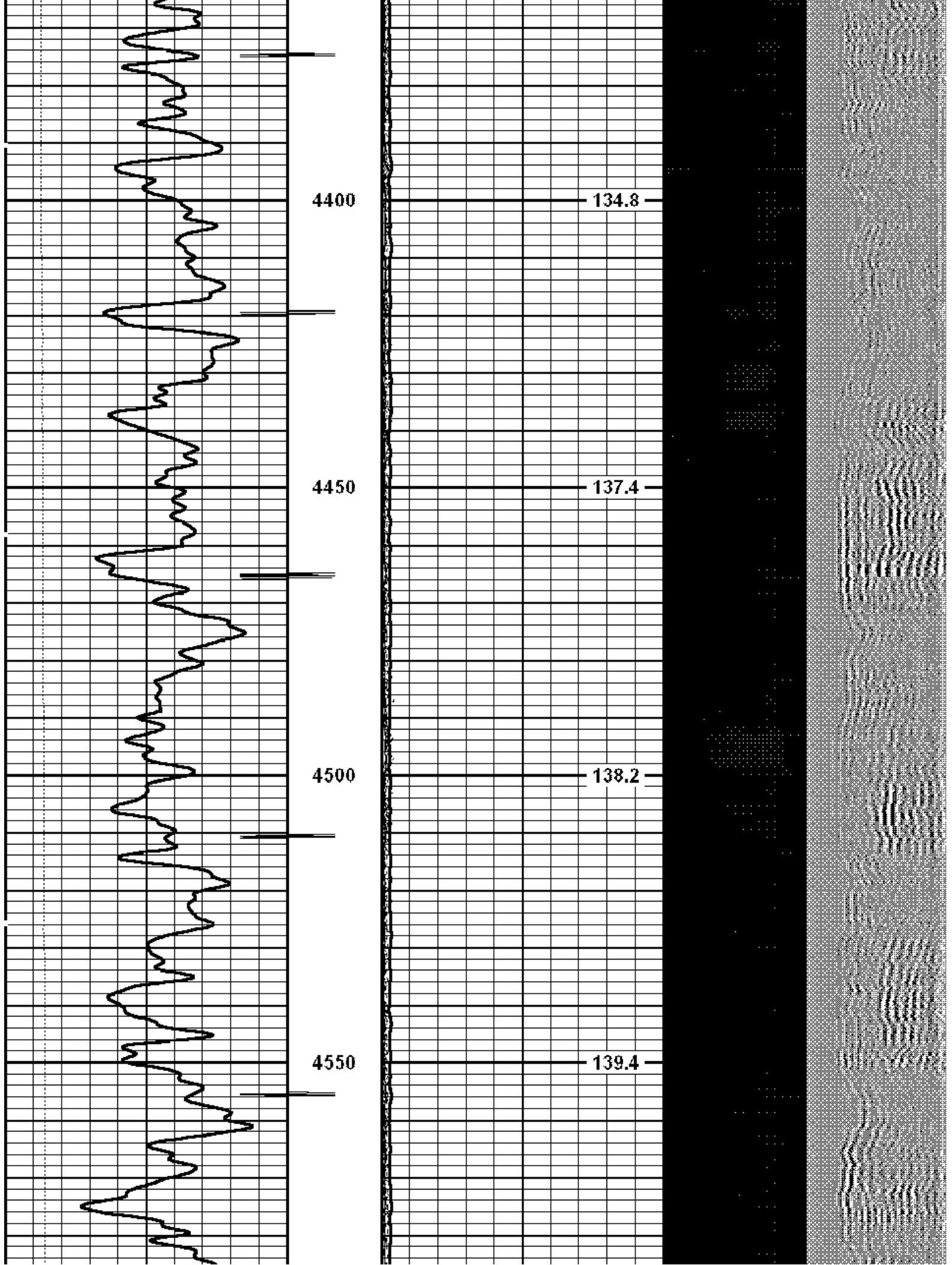


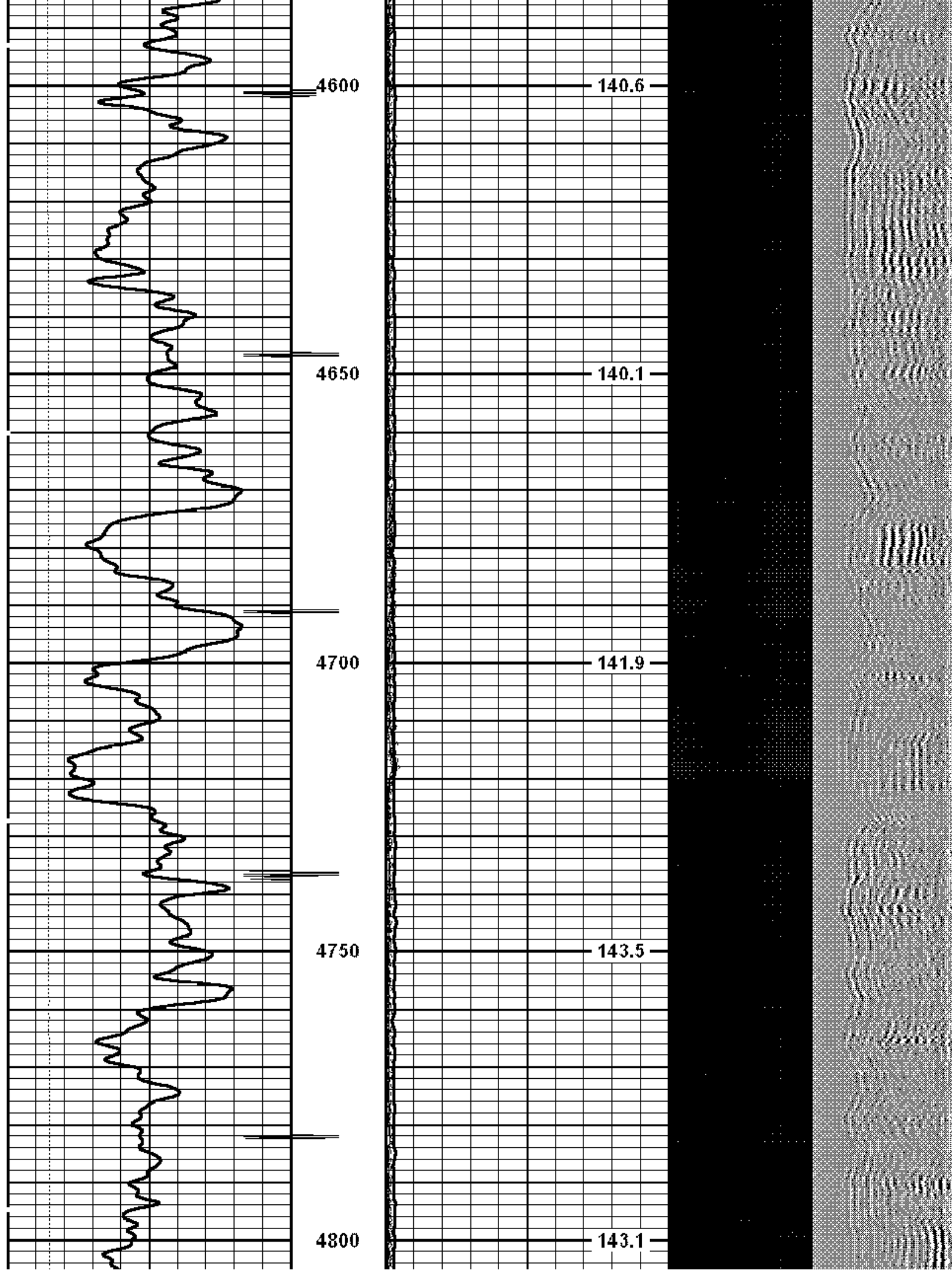


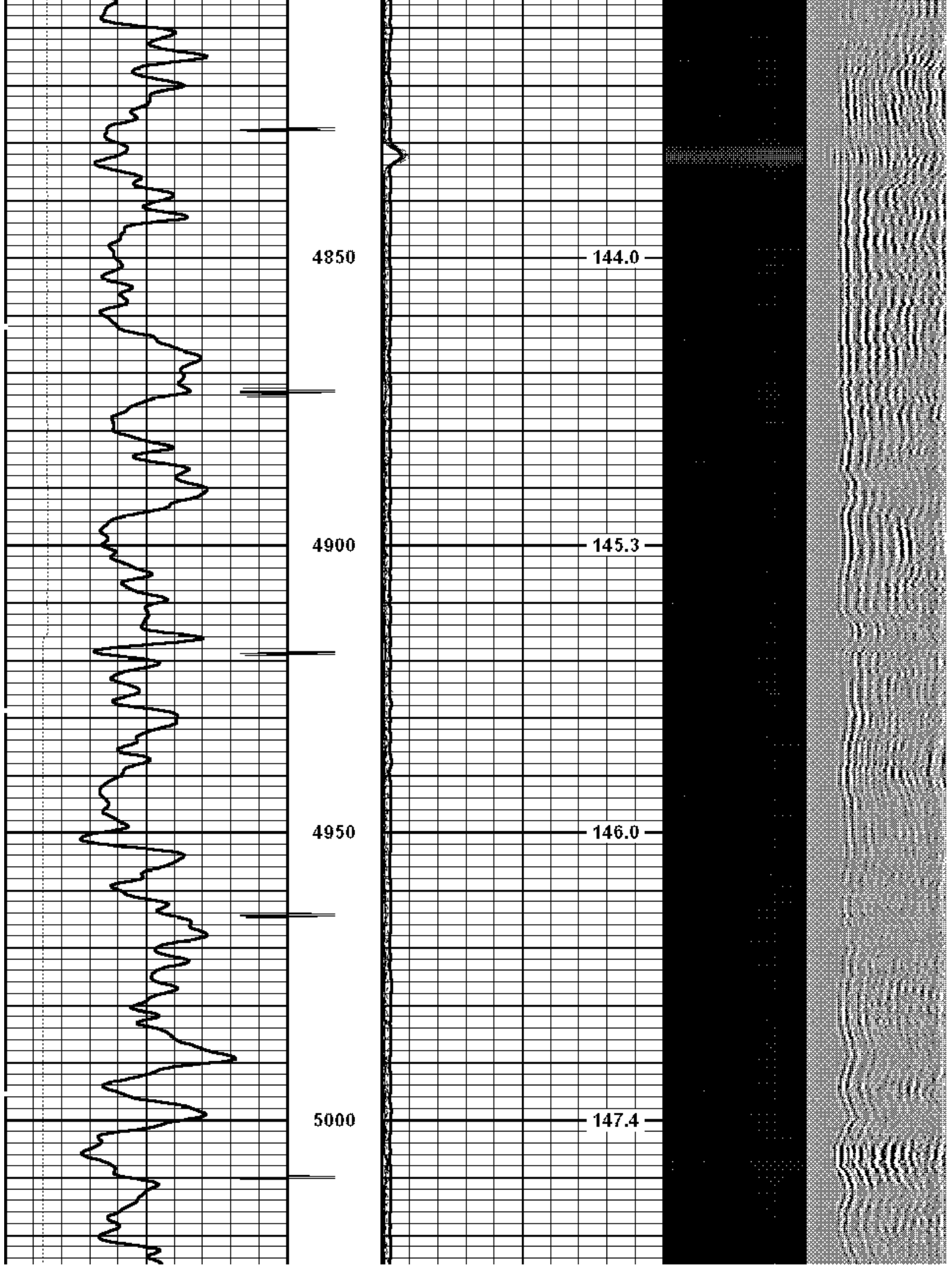


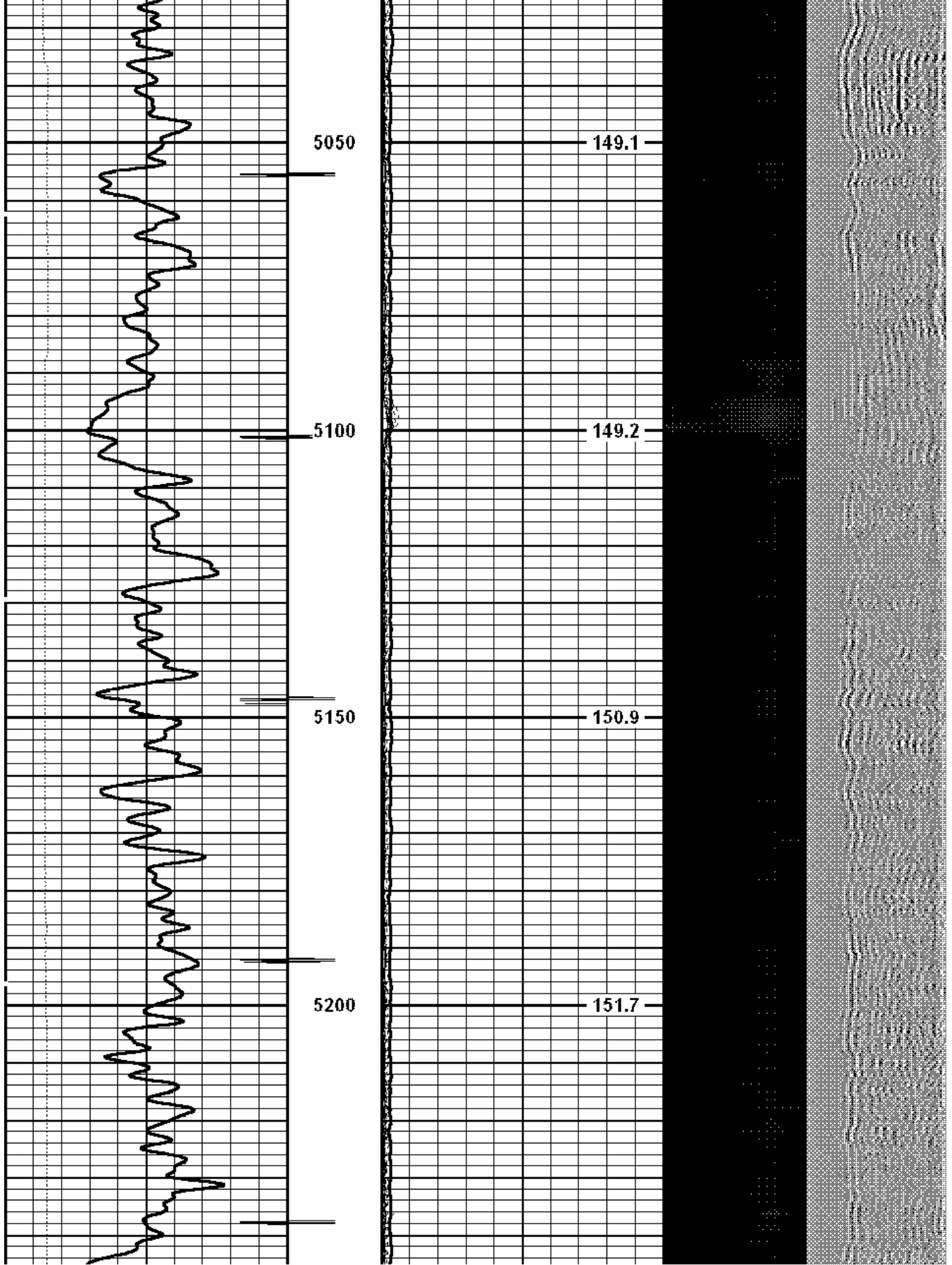


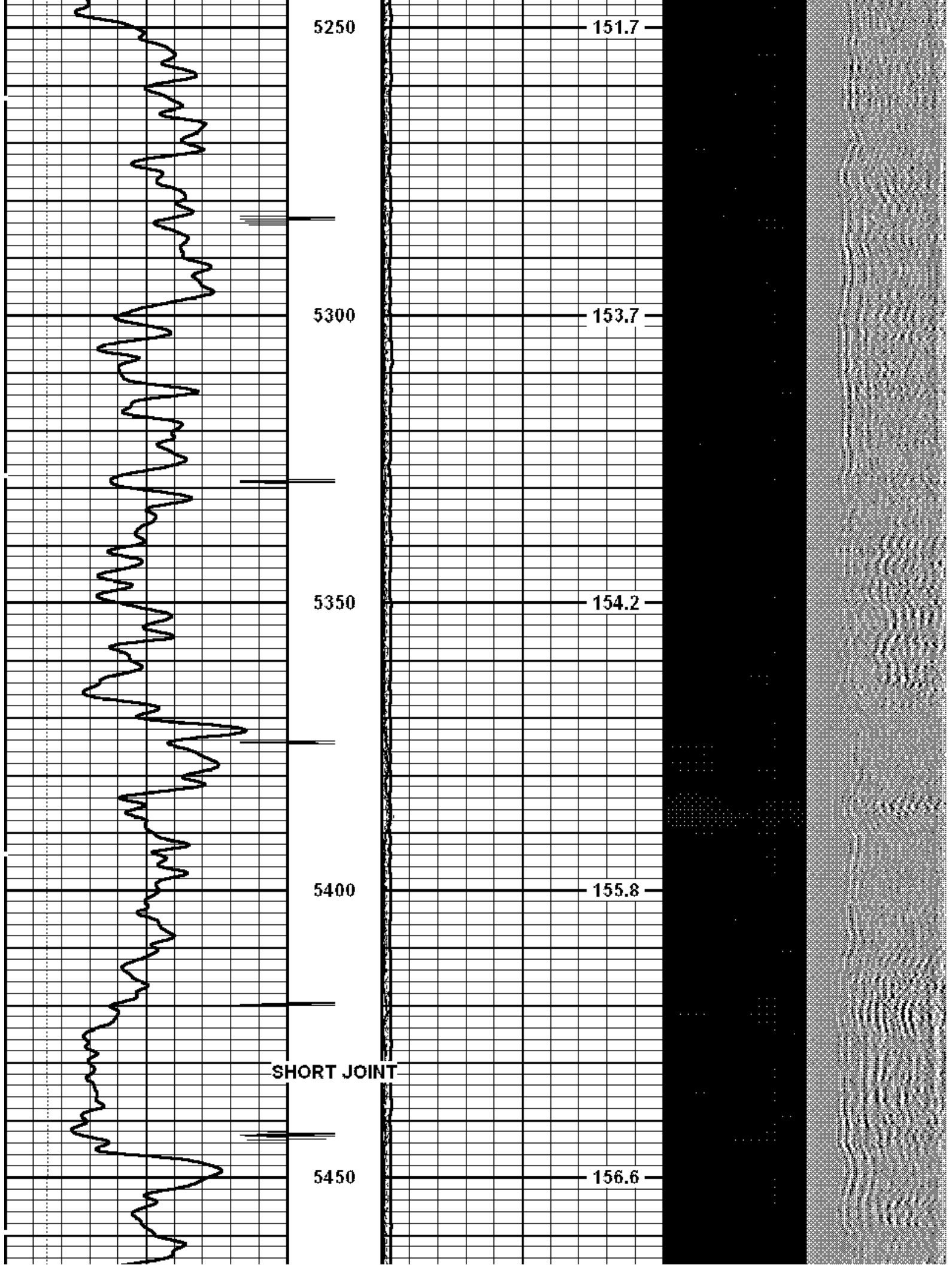


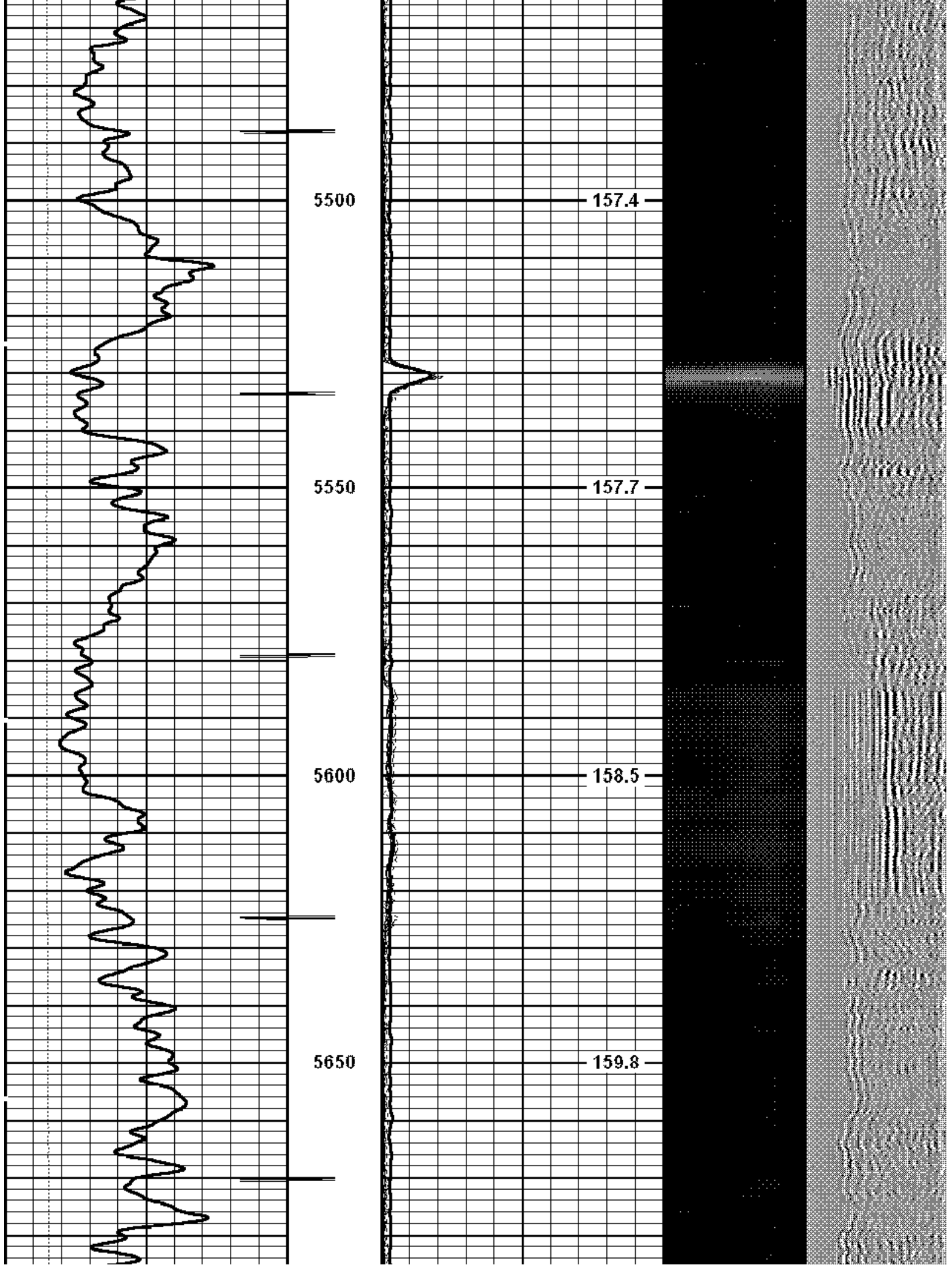


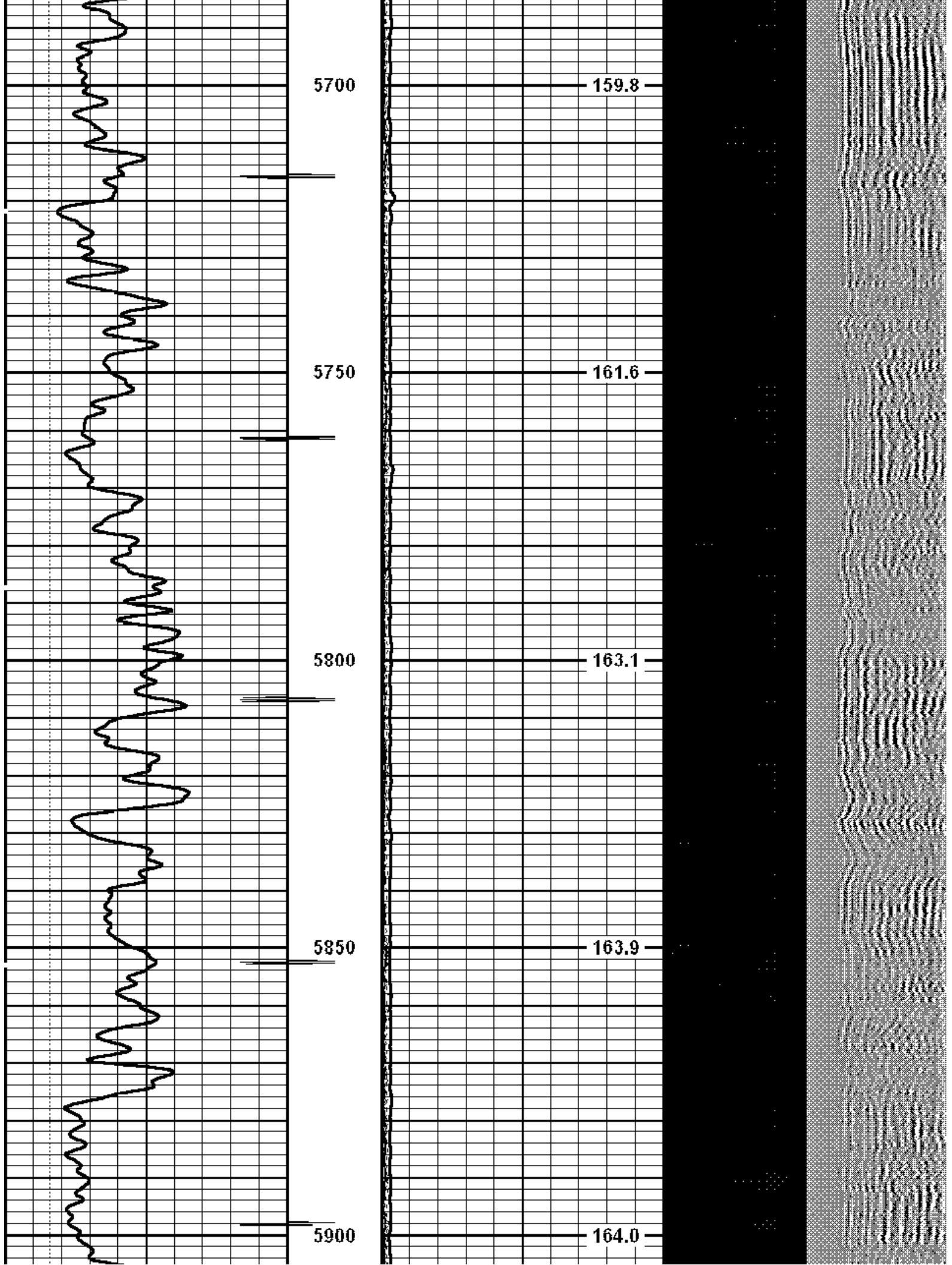


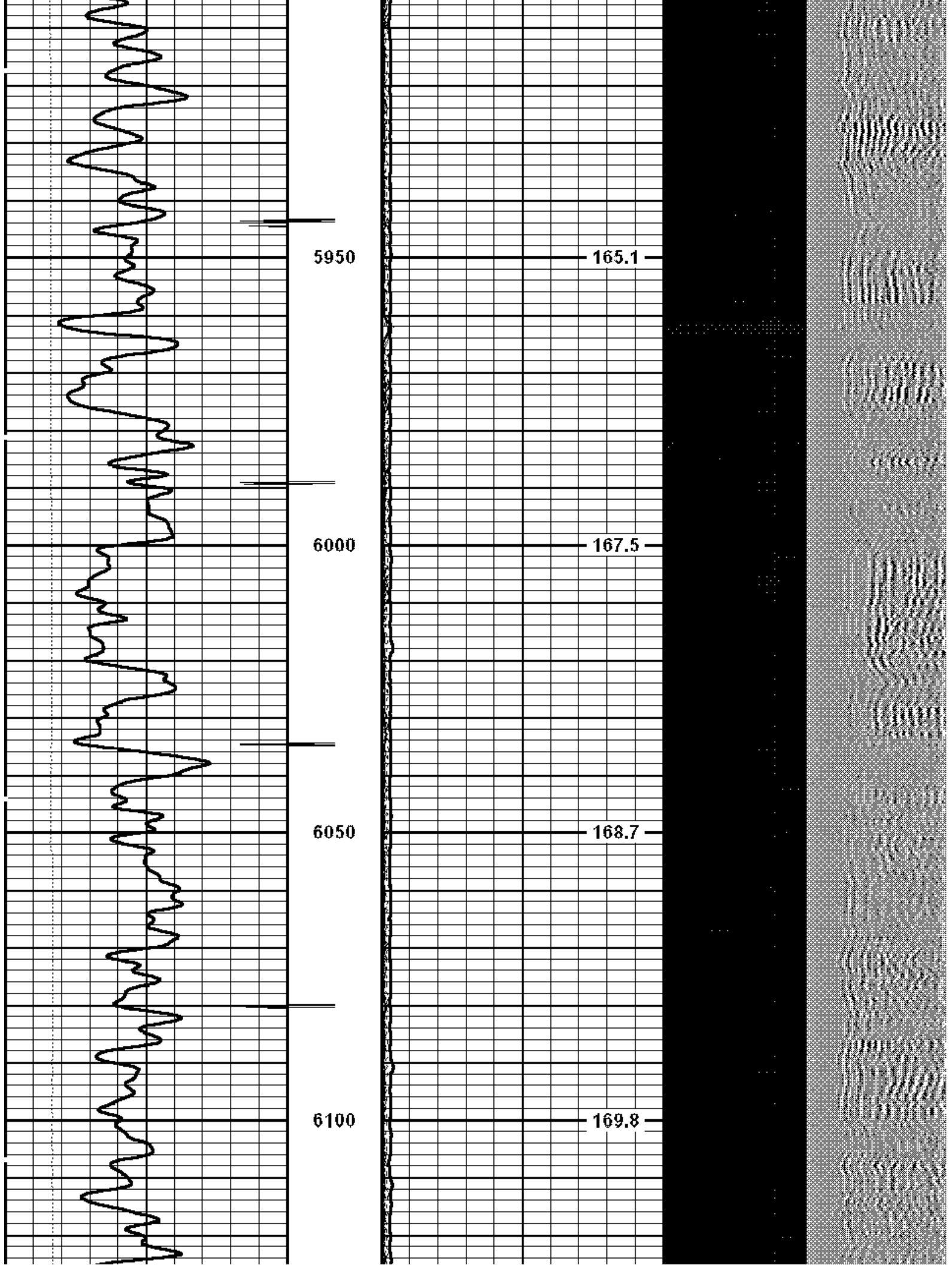


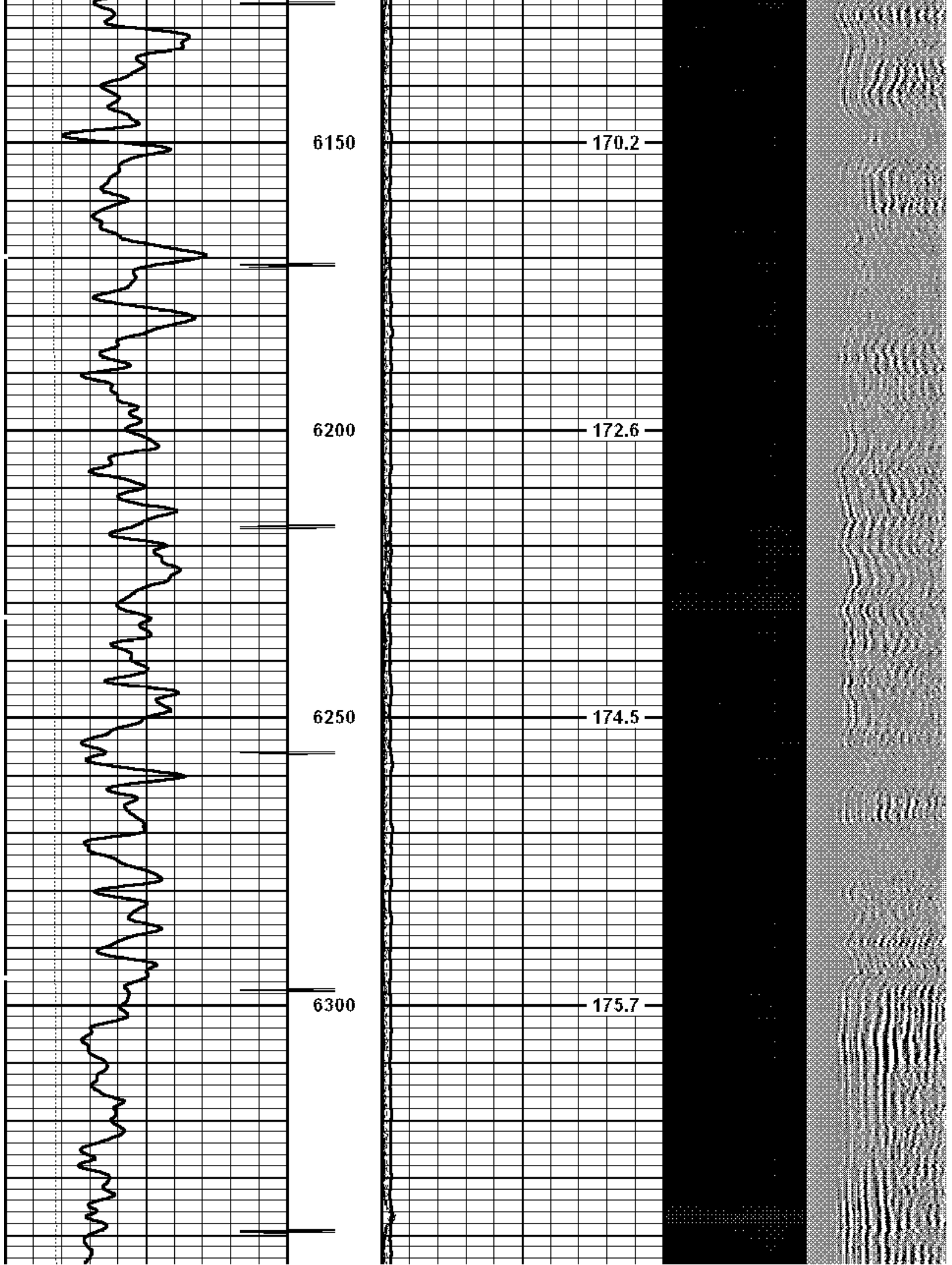


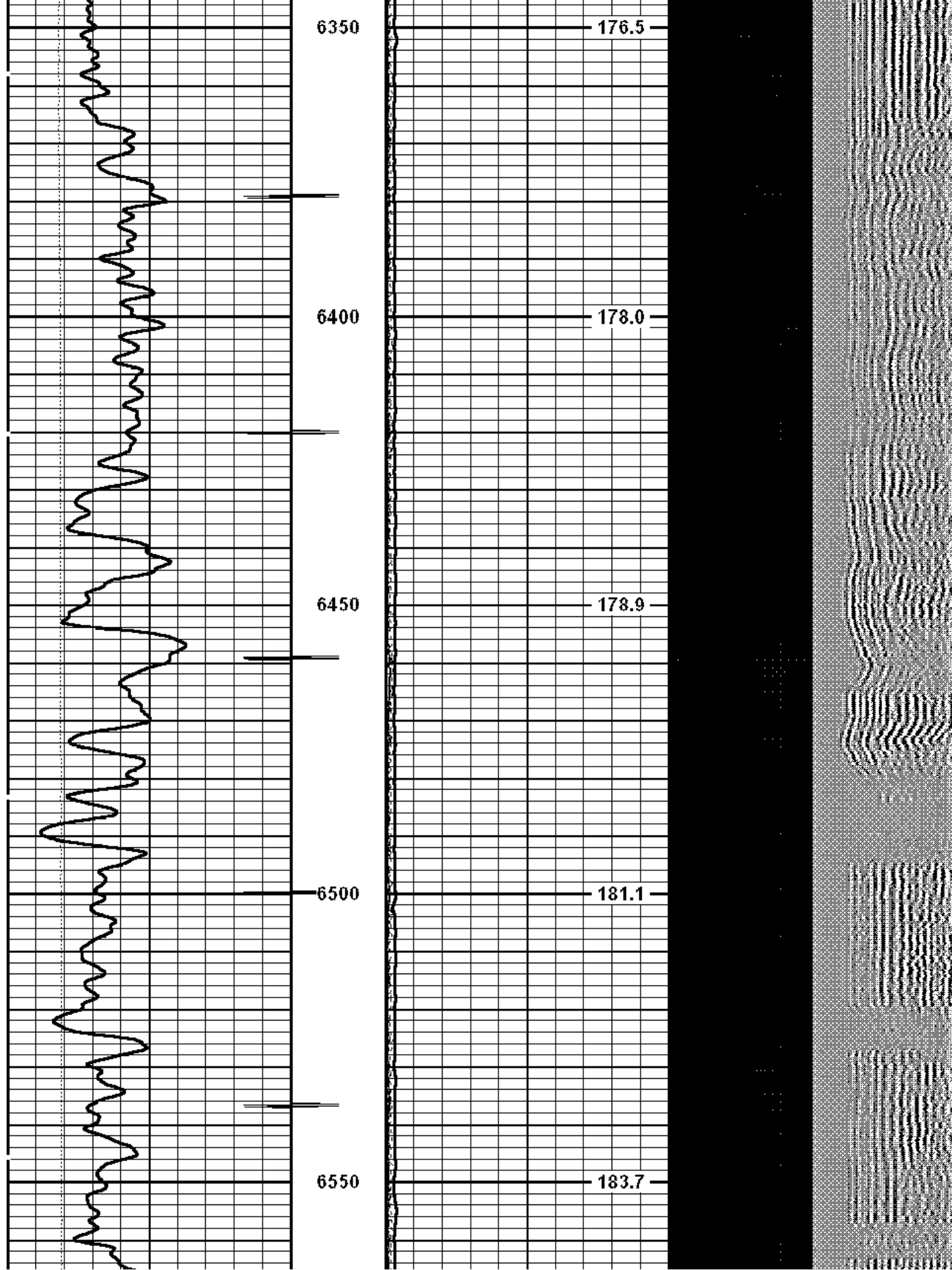


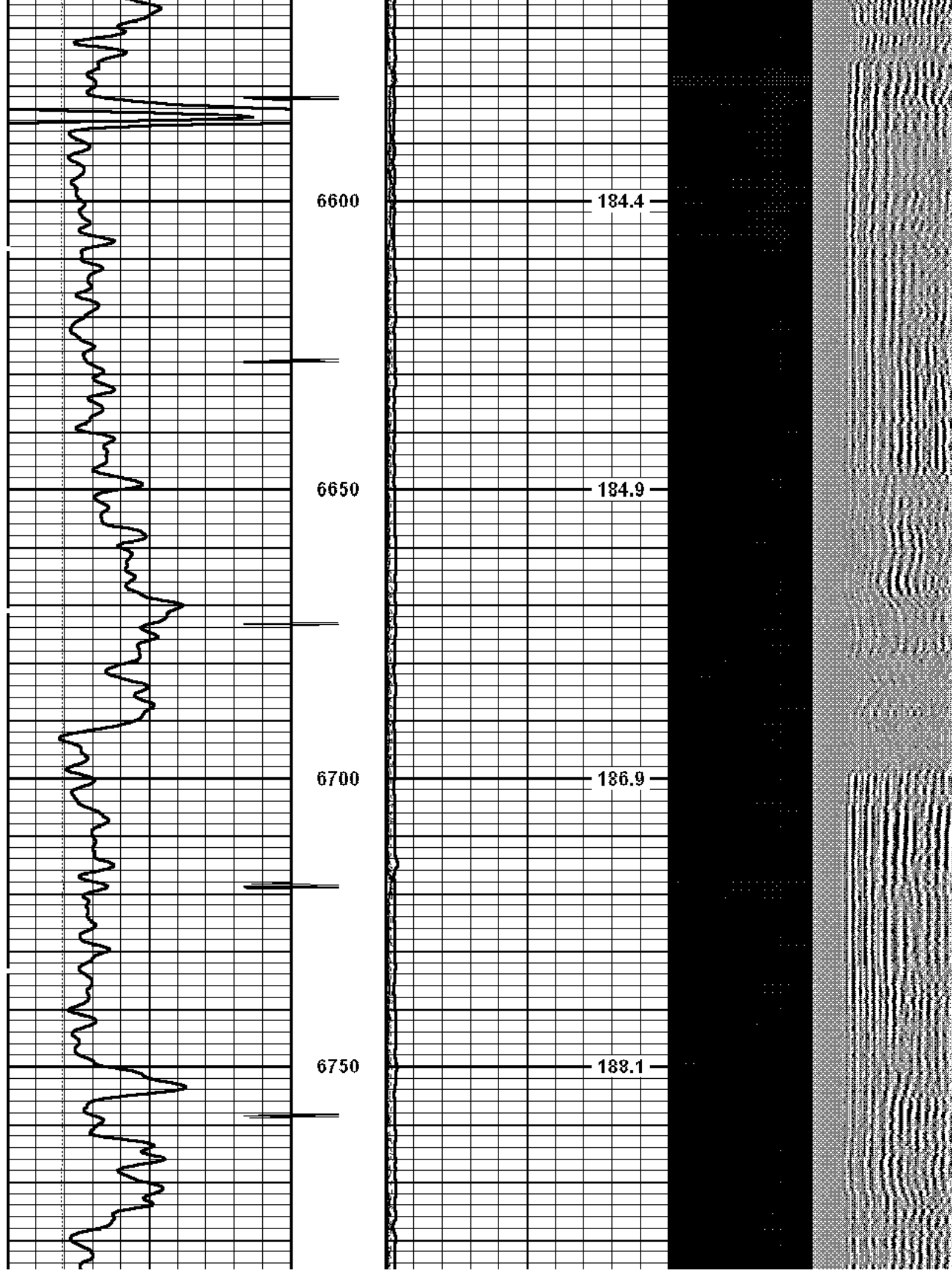


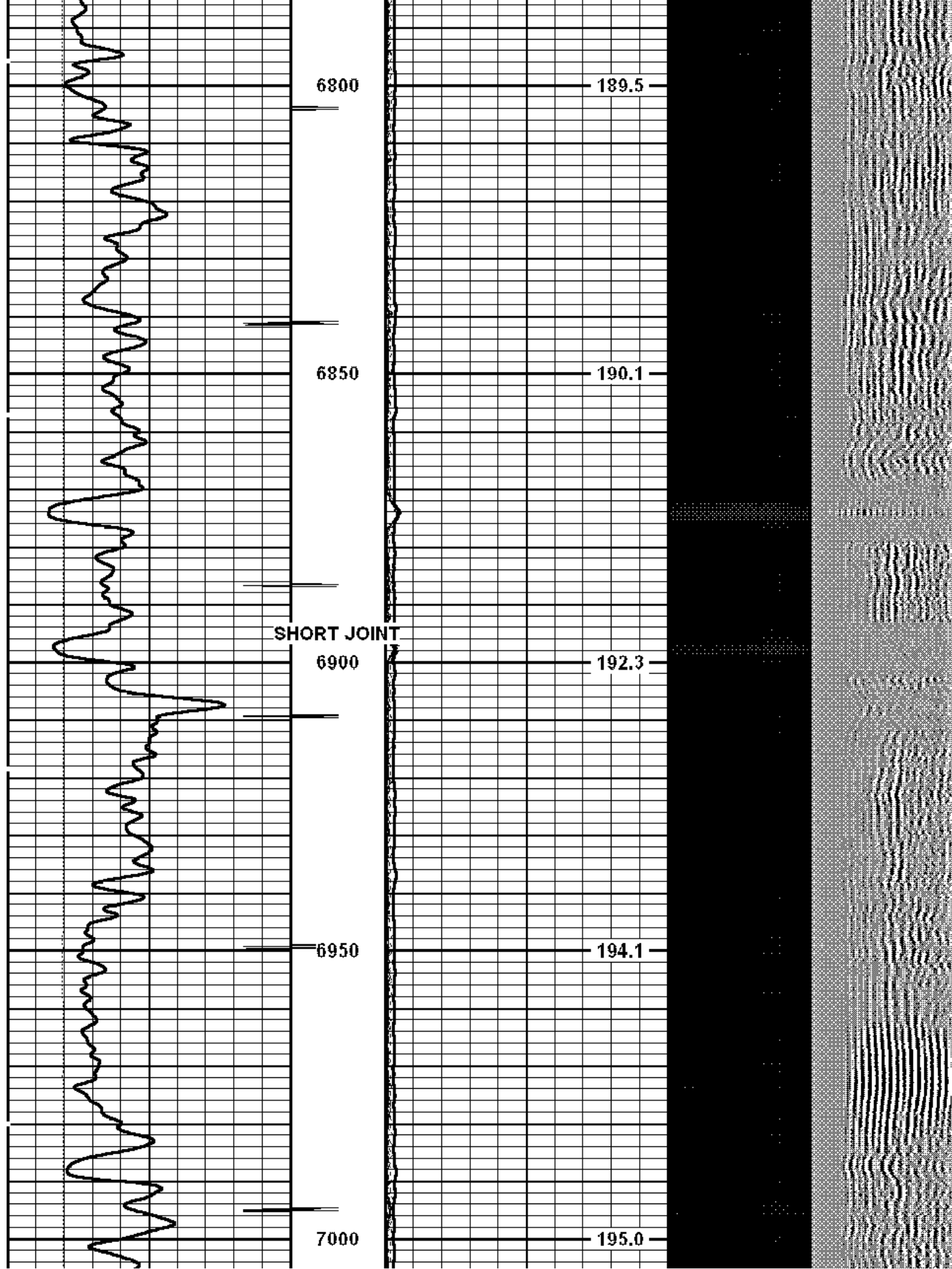


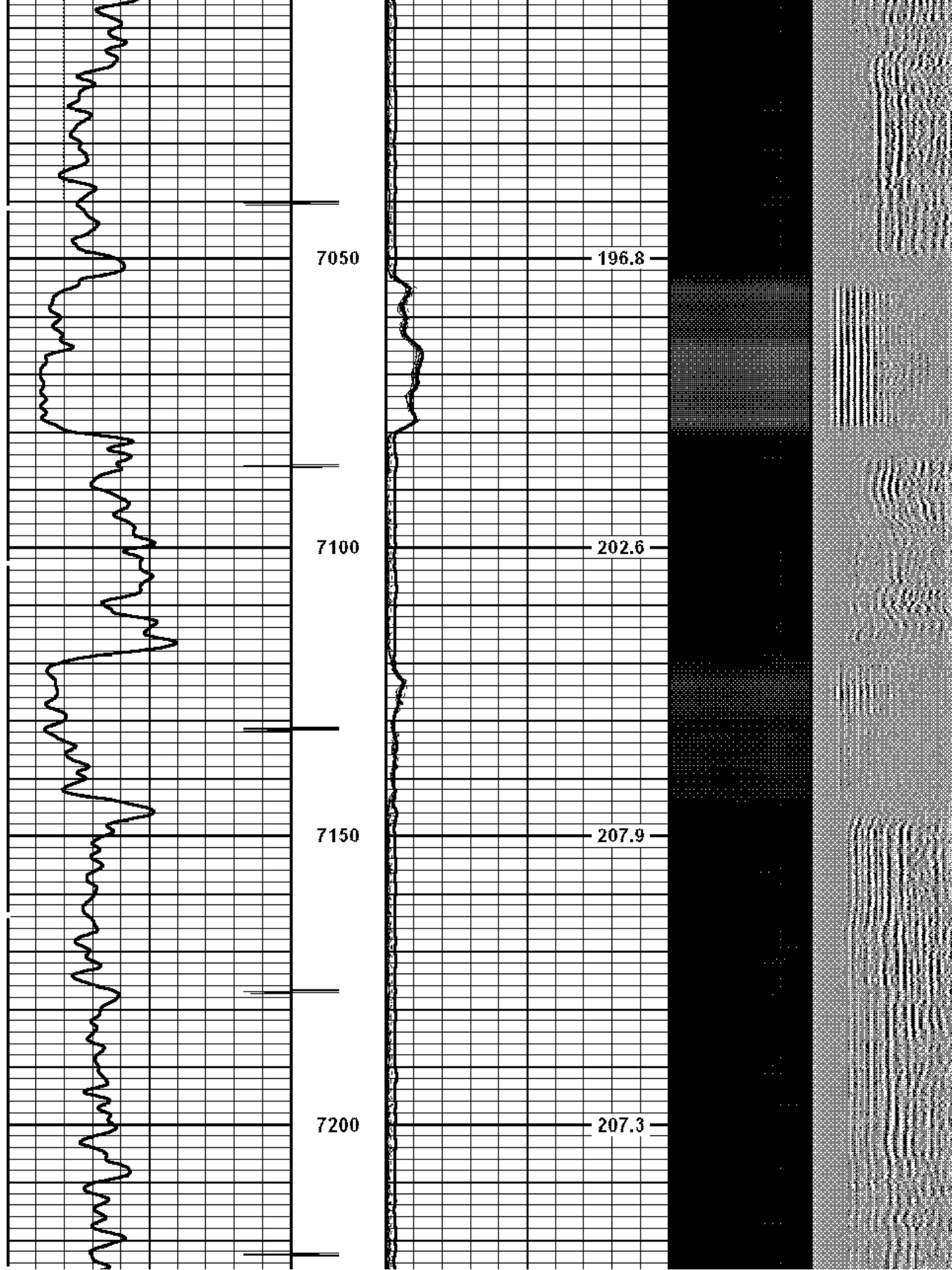


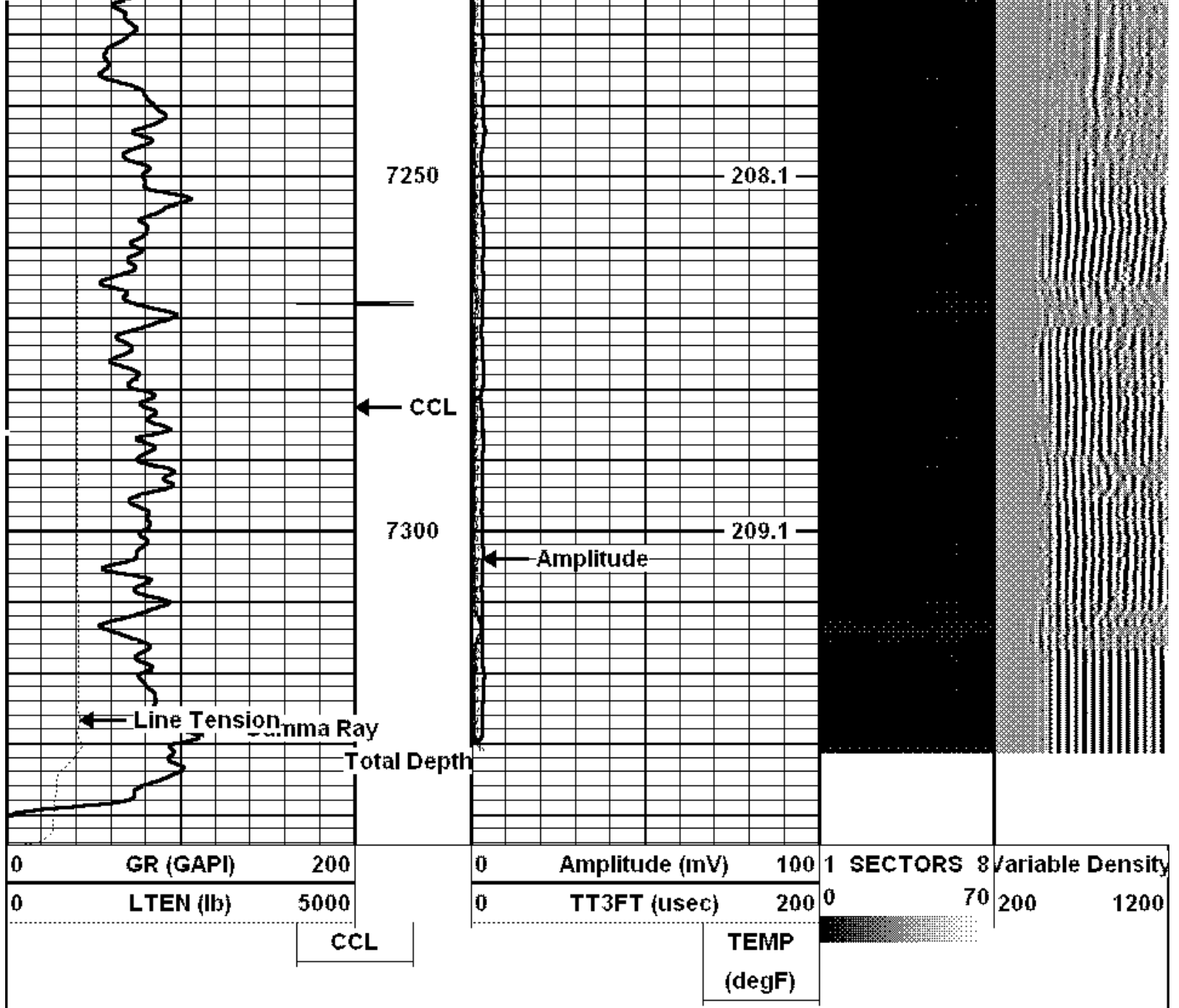












Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	21.68		TITAN	1.02	1.44	1.00
			SONDEx_CCL-SONDEx_3_13_CCL (000001) CSS Gamma Ray/CCL (CCL Section)	1.92	3.13	11.02
			SONDEx	2.71	2.75	32.00

WVF3FT	13.92		SNDX_RBT-007 (000003) Radial Bond Tool - Analog 3 1/8	9.47	3.13	140.00
WVFS1	13.92					
WVFS2	13.92					
WVFS3	13.92					
WVFS4	13.92					
WVFS5	13.92					
WVFS6	13.92					
WVFS7	13.92					
WVFS8	13.92					
WVF5FT	12.92					
GR	5.17		SONDEX	2.71	2.75	32.00
			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: mcln c2.db: field/well/run 1/pass2 Total Length: 23.90 ft Total Weight: 248.07 lb O.D.: 3.13 in						



Company	ANTERO RESOURCES PICEANCE CORP.
Well	McLIN C 2
Field	MAMM CREEK
County	GARFIELD
State	COLORADO