



CEMENT BOND LOG

Mesa Wireline

Company	ANTERO RESOURCES PICEANCE CORP.	Company	ANTERO RESOURCES PICEANCE CORP.
Well	McLIN C 22	Well	McLIN C 22
Field	MAMM CREEK	Field	MAMM CREEK
County	GARFIELD	County	GARFIELD
State	COLORADO	State	COLORADO
Location:	SEC. 13 TWP. 06S RGE. 92W	Location:	API #: 06-045-20107-0000
Permanent Datum	GROUNDE LEVEL	Other Services	None
Log Measured From	KELLY BUSHING = 24 FT	Elevation	K.B. 5749' D.F. 5748' G.L. 5725'
Drilling Measured From	KELLY BUSHING		

Date	12 JUN 2012
Run Number	ONE
Depth Driller	7172'
Depth Logger	7172'
Bottom Logged Interval	7172'
Top Log Interval	SURFACE
Open Hole Size	7.875"
Type Fluid	WATER
Density / Viscosity	~8.34#/GAL
Max. Recorded Temp.	208 DEG F
Estimated Cement Top	1330'
Time Well Ready	N/A
Time Logger on Bottom	1230
Equipment Number	FL0802
Location	GRAND JUNCTION
Recorded By	M. BERNATCHEZ
Witnessed By	L. GARDNER
Borehole Record	
Run Number	Bit From To Size Weight Tubing Record From To
ONE	24.0" SURFACE 80' 12.25" 60' 1000' 7172'
TWO	12.25" 60' 1000' 7172'
THREE	7.875" 1000' 7172'
Casing Record	Size Wgt/Ft Top Bottom
Surface String	8.625" 24.0" SURFACE 1000'
Prot. String	4.5" 11.6# SURFACE 7172'
Production String	
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

NO LOG AVAILABLE FOR CORRELATION.

SHORT JOINTS: 3545' - 3566' & 5114' - 5137' & 6680' - 6703'

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



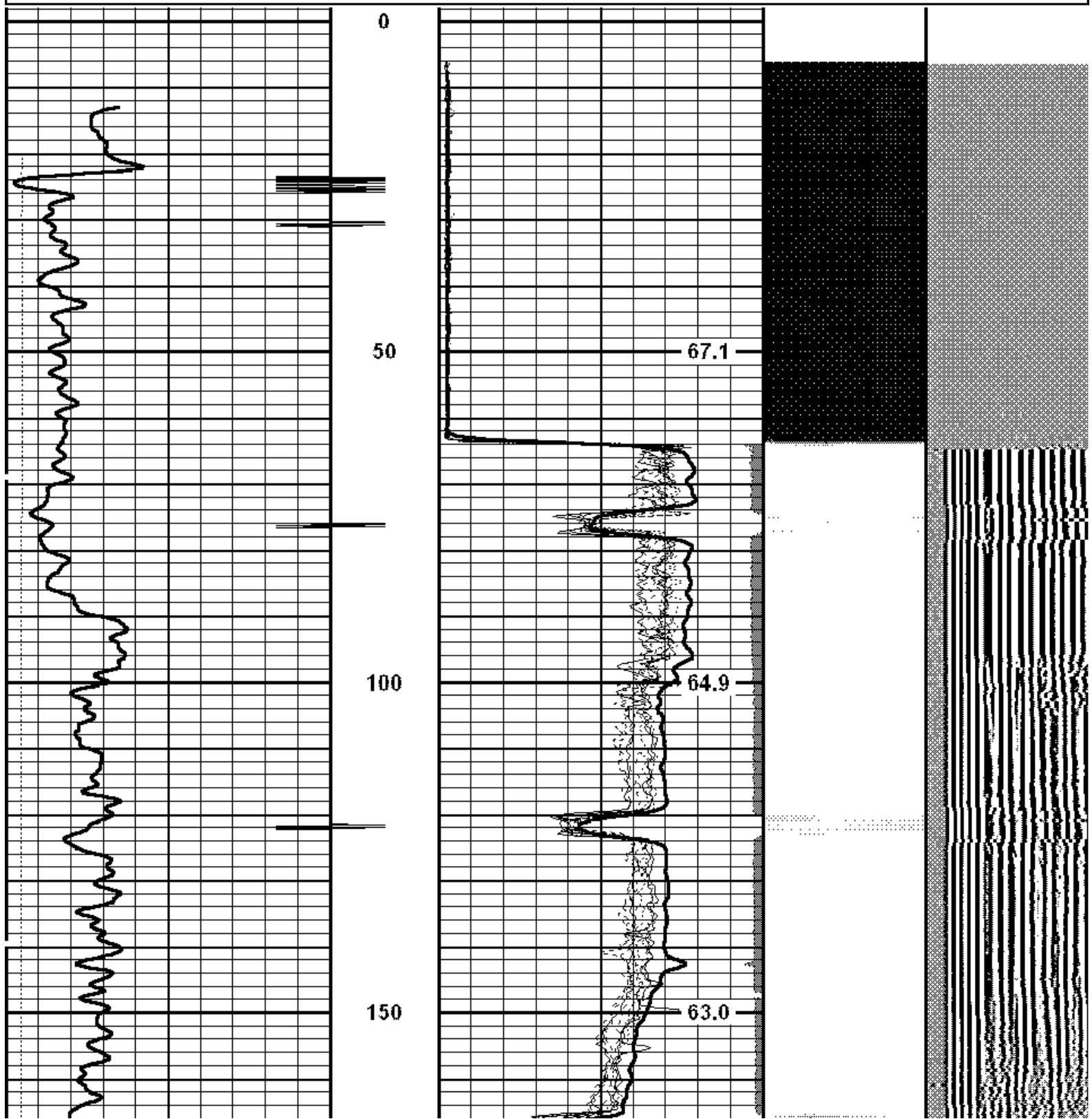
MAIN LOG PASS

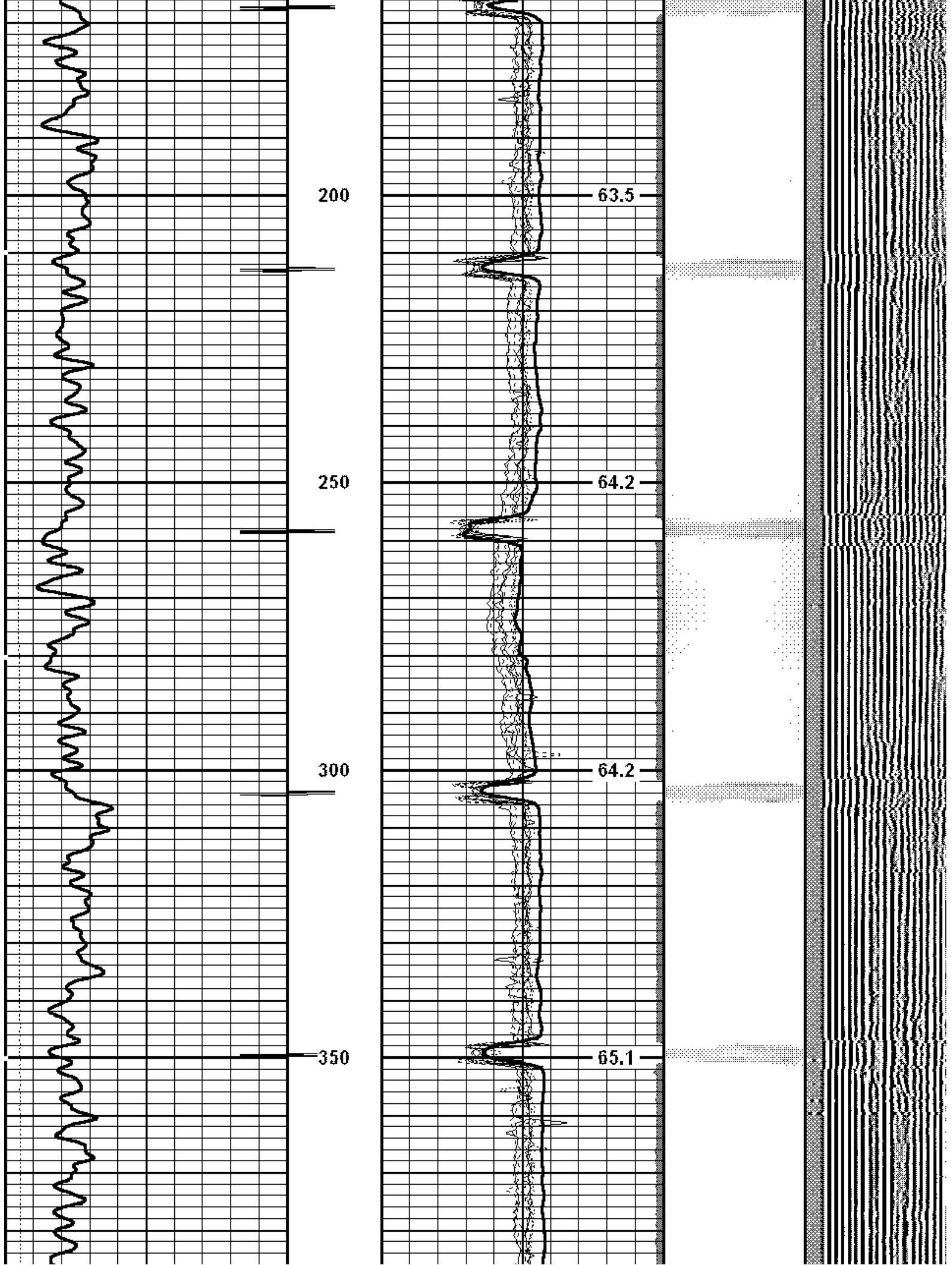
SCALE 5" = 100'

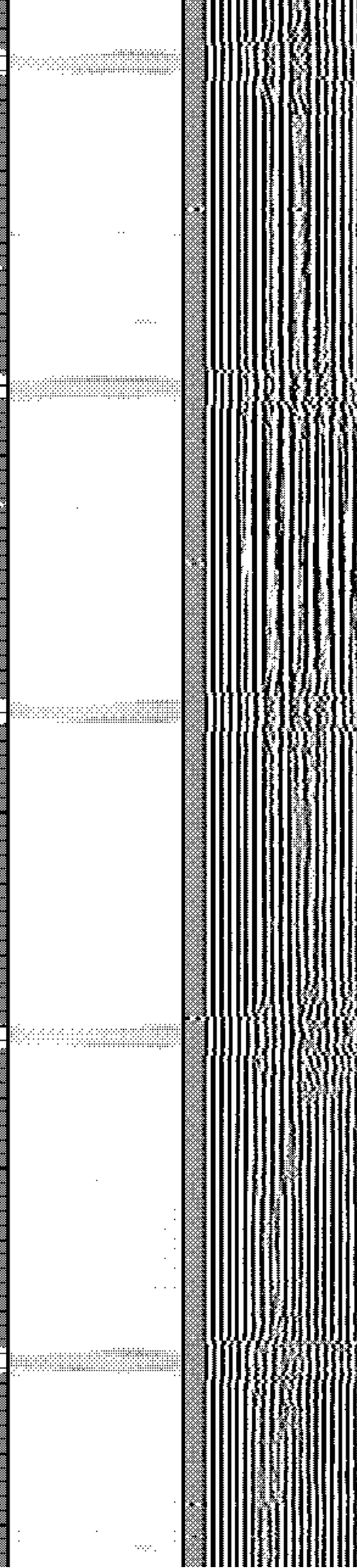
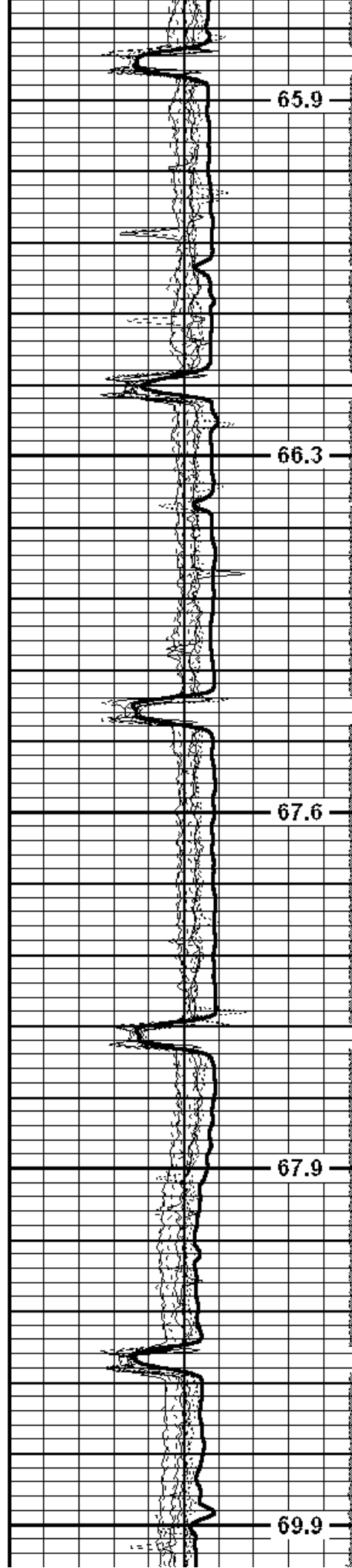
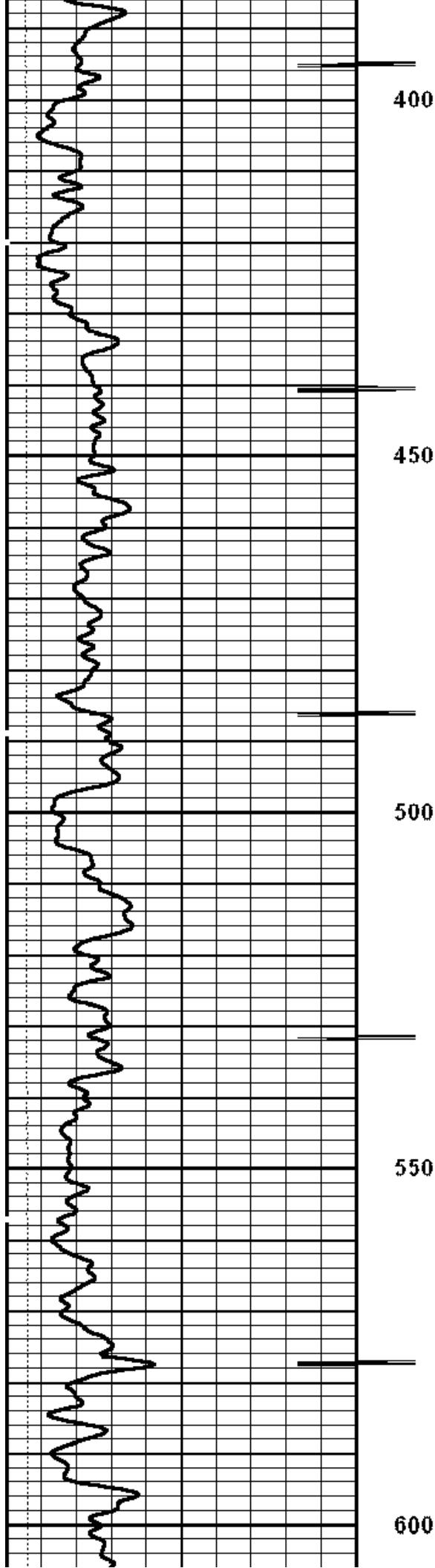
Mesa Wireline

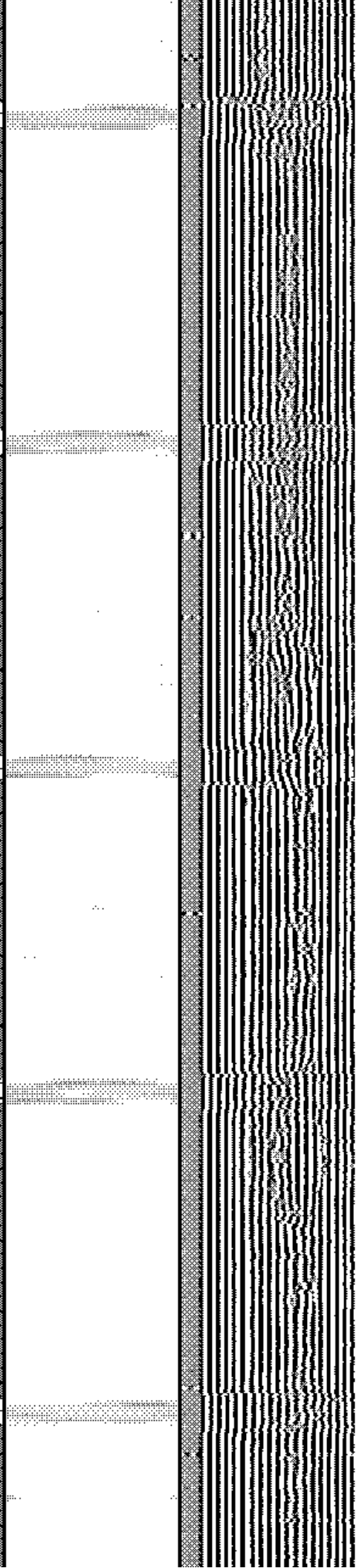
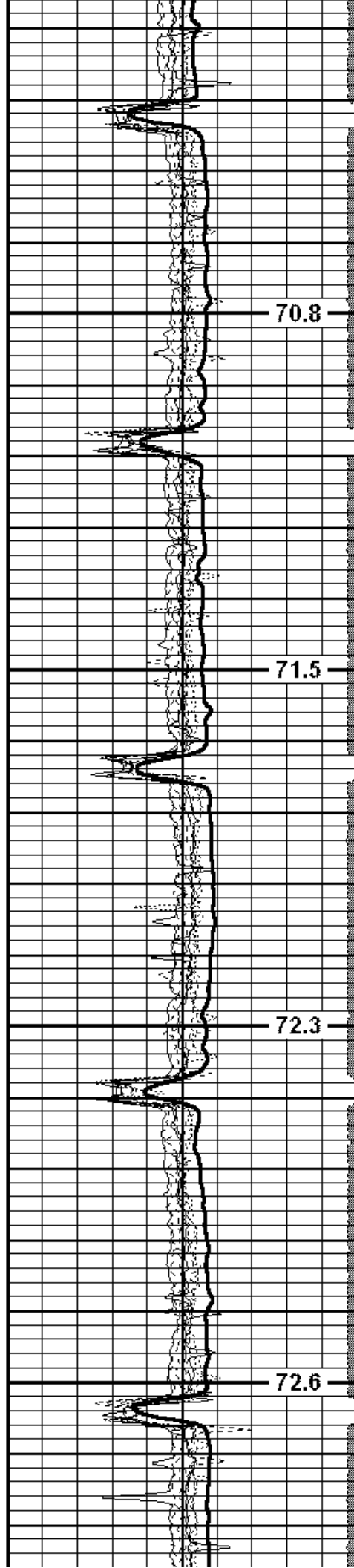
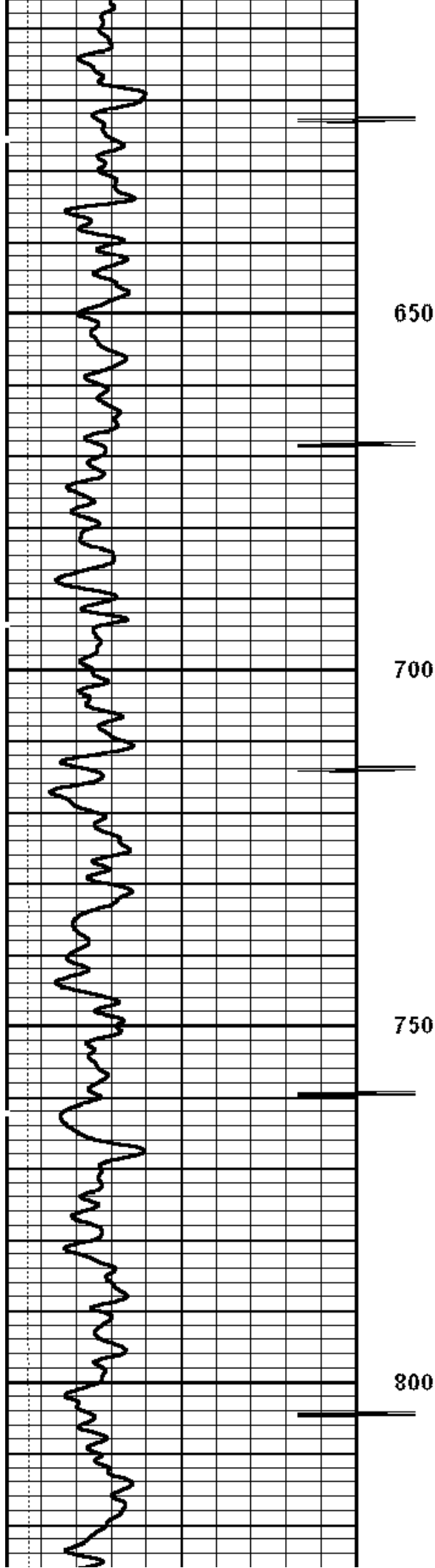
Database File: mclin c22.db
 Dataset Pathname: pass2
 Presentation Format: rbtfinal
 Dataset Creation: Tue Jun 12 19:55:27 2012
 Charted by: Depth in Feet scaled 1:240

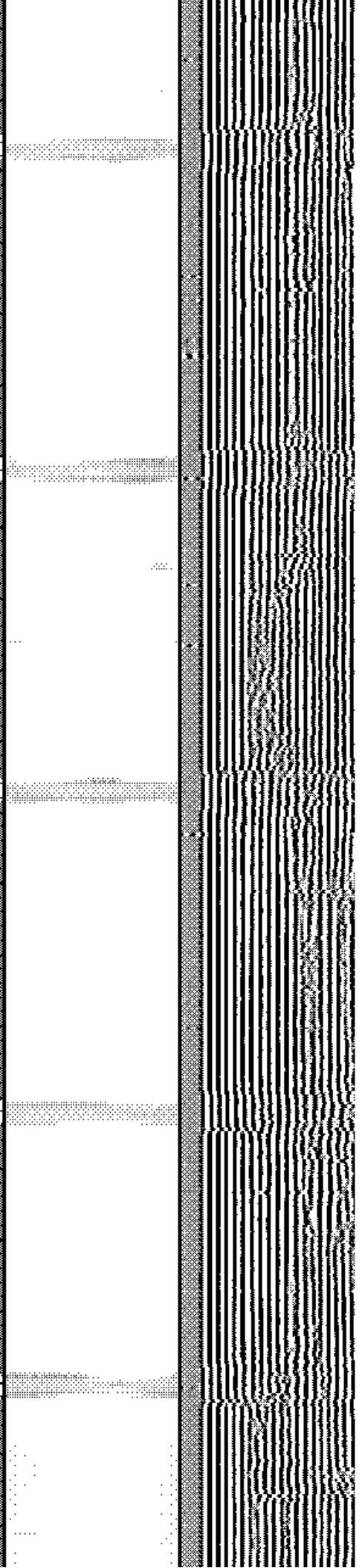
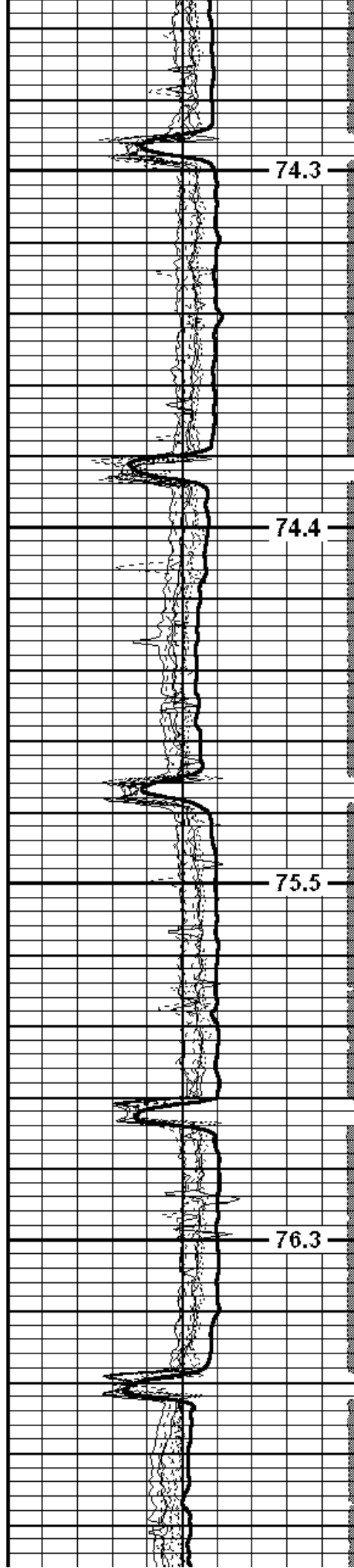
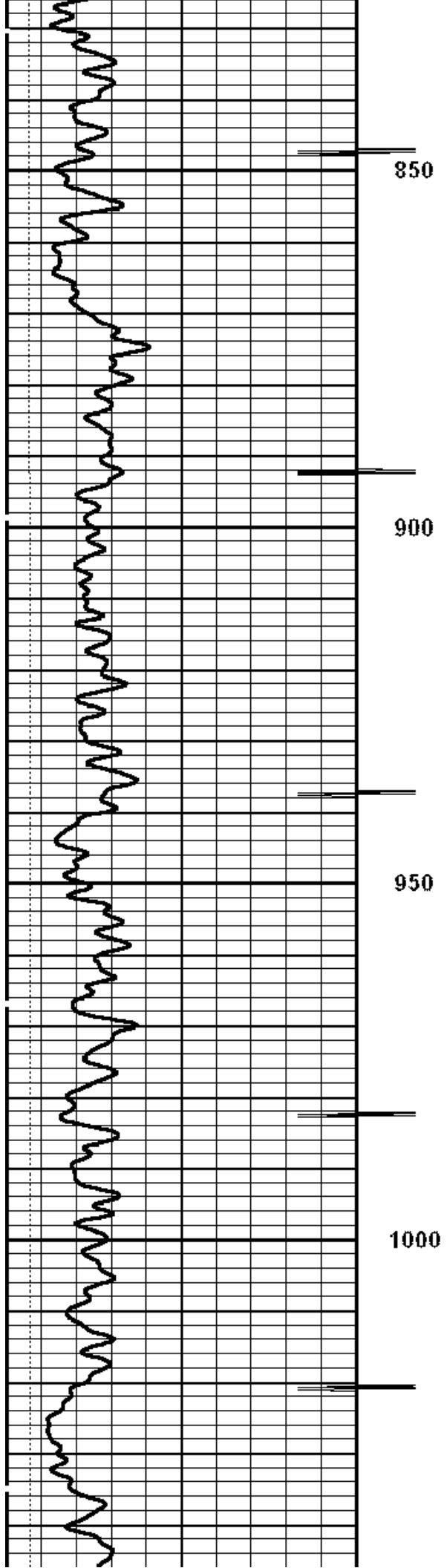
0	GR (GAPI)	200	0	Amplitude (mV)	100	1 SECTORS 8	Variable Density
0	LTEN (lb)	5000	0	TT3FT (usec)	200	0	70 200 1200
CCL			TEMP		(degF)		

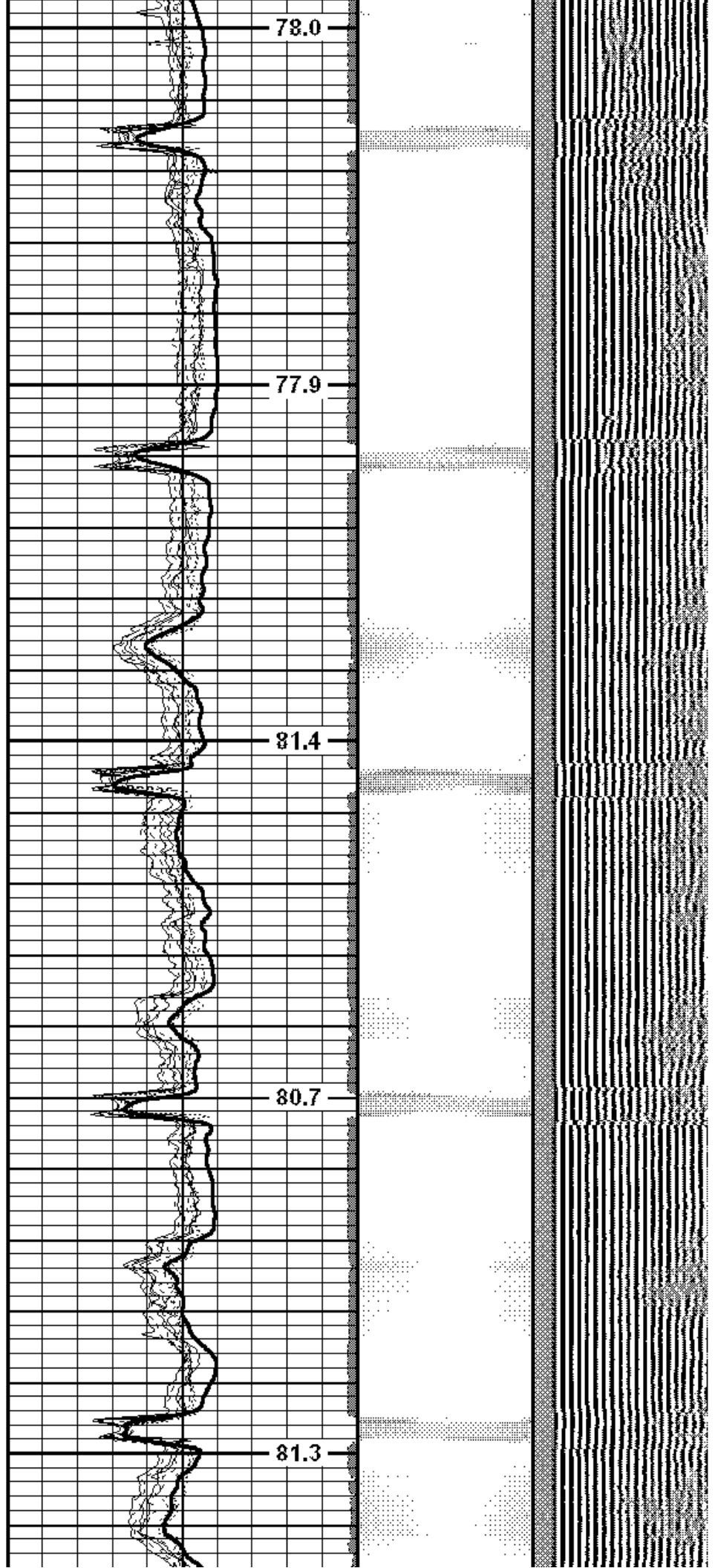
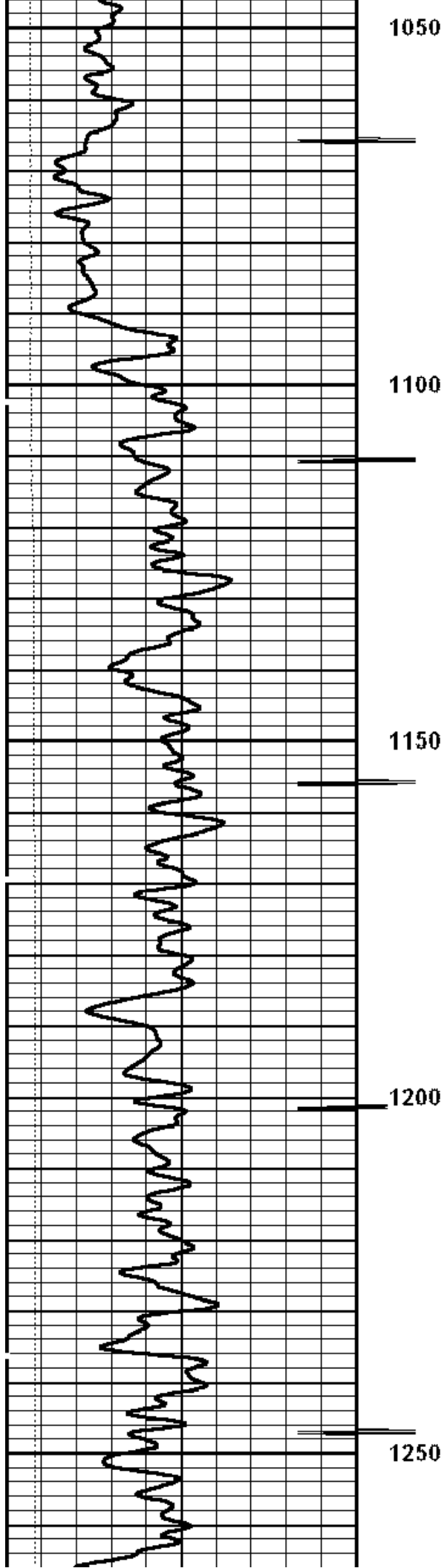


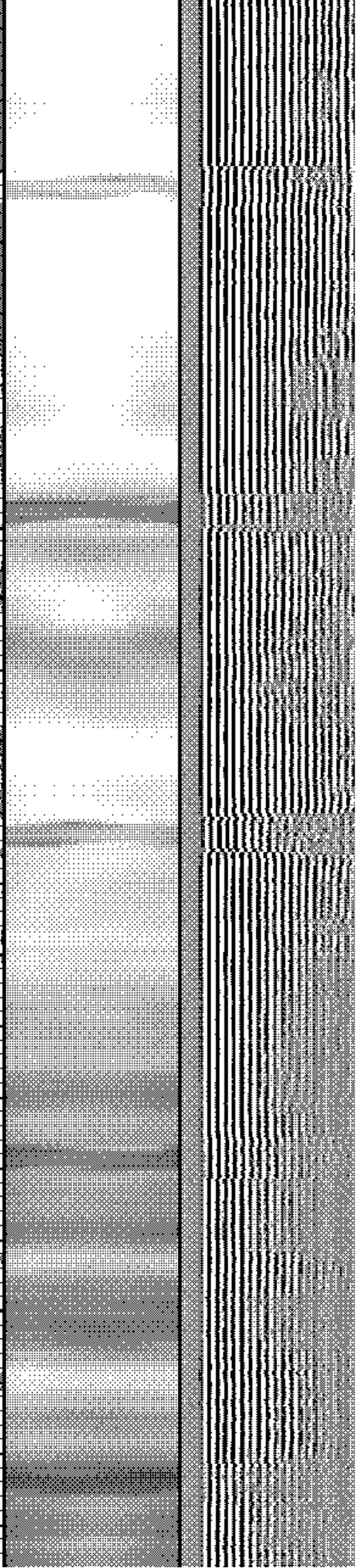
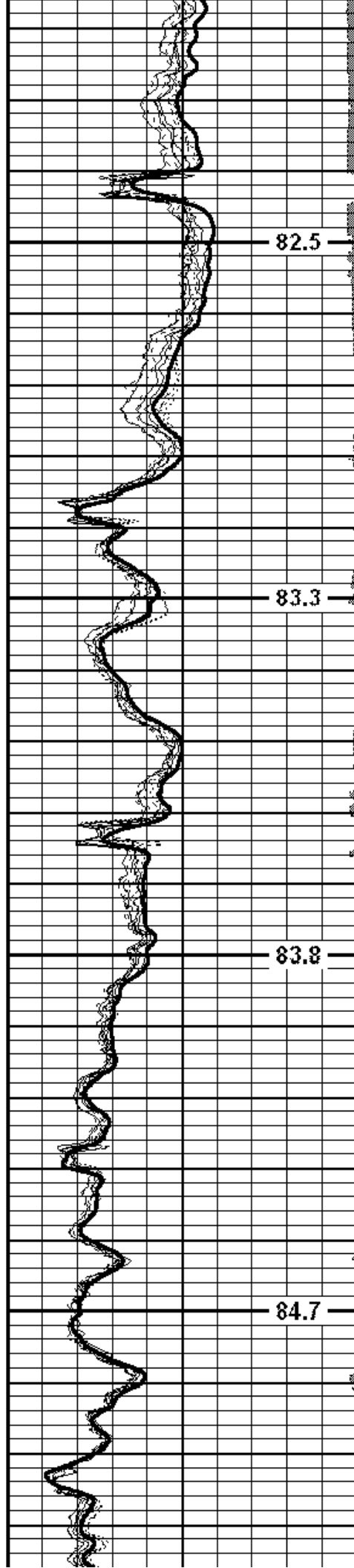
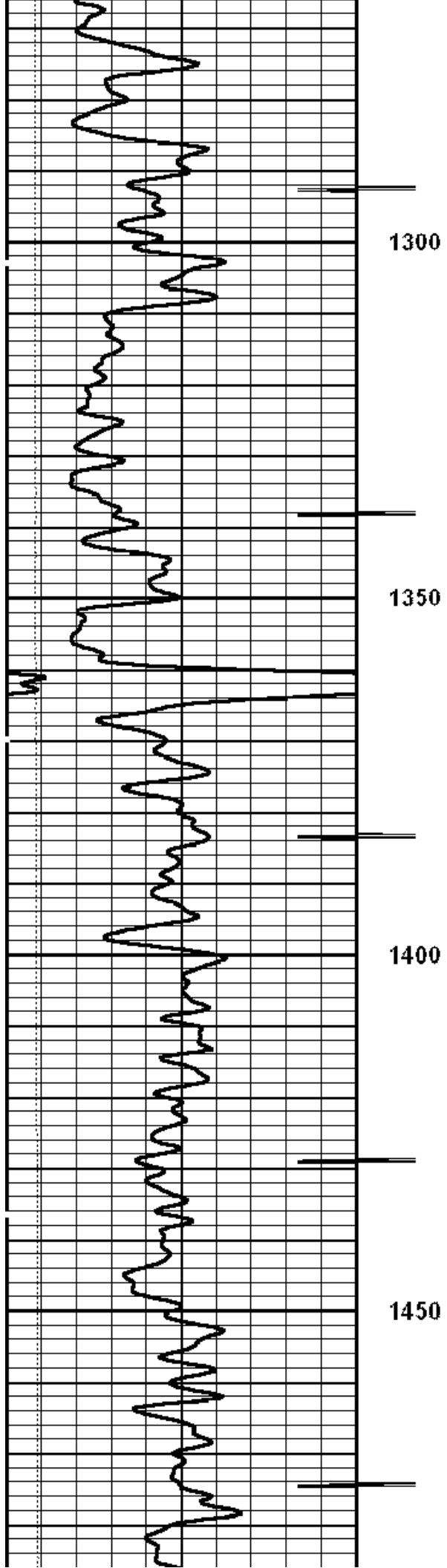


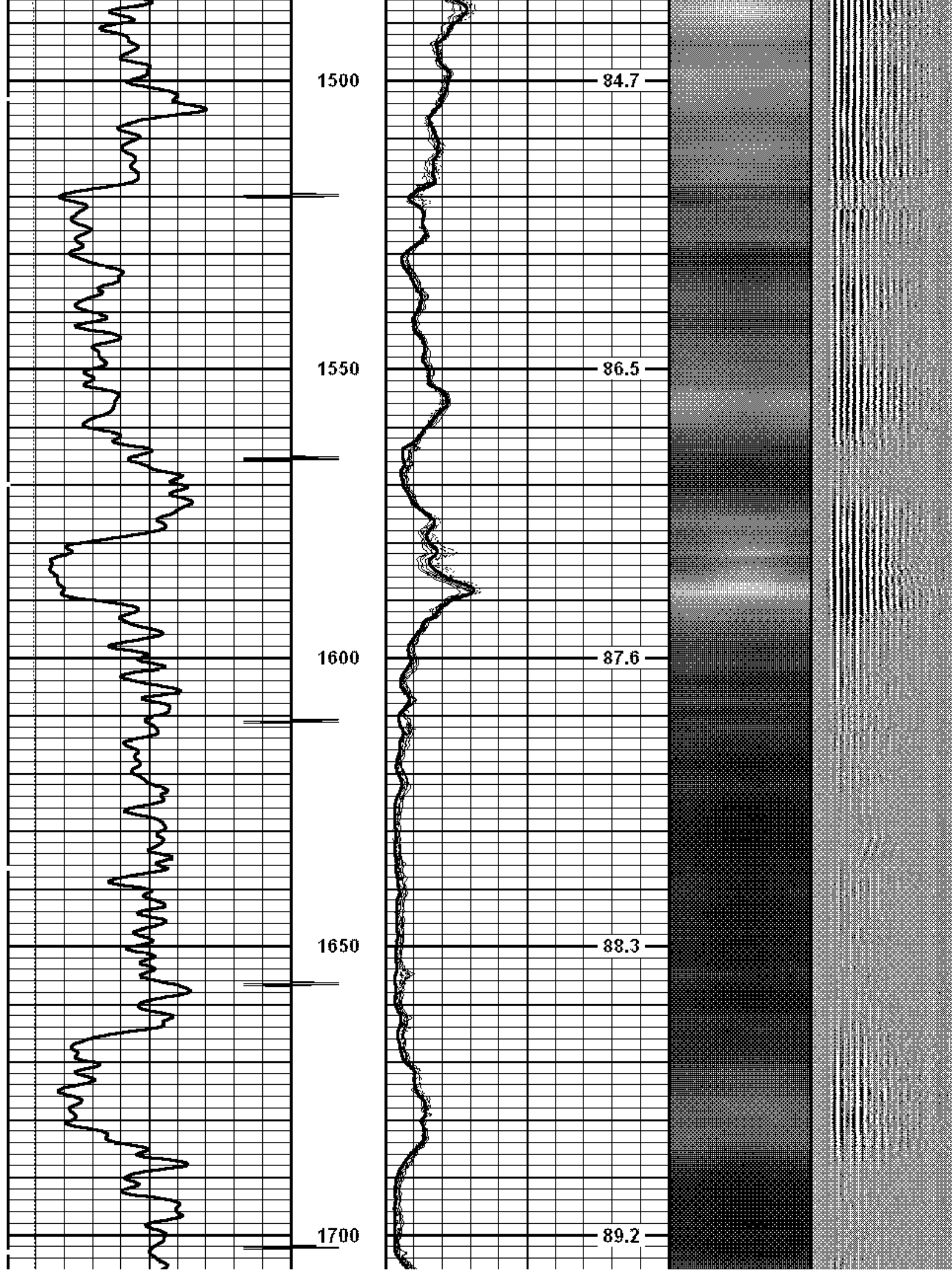


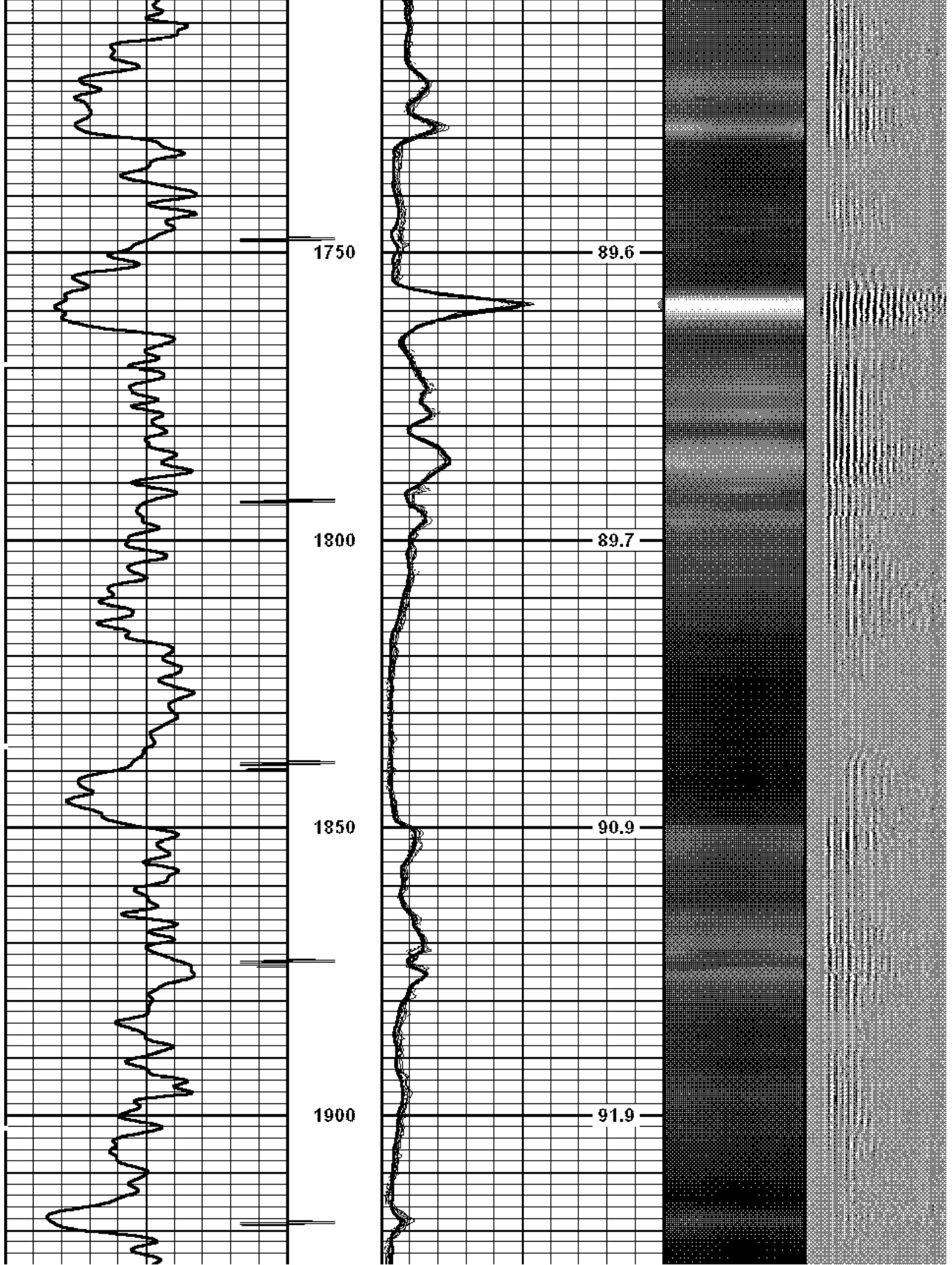


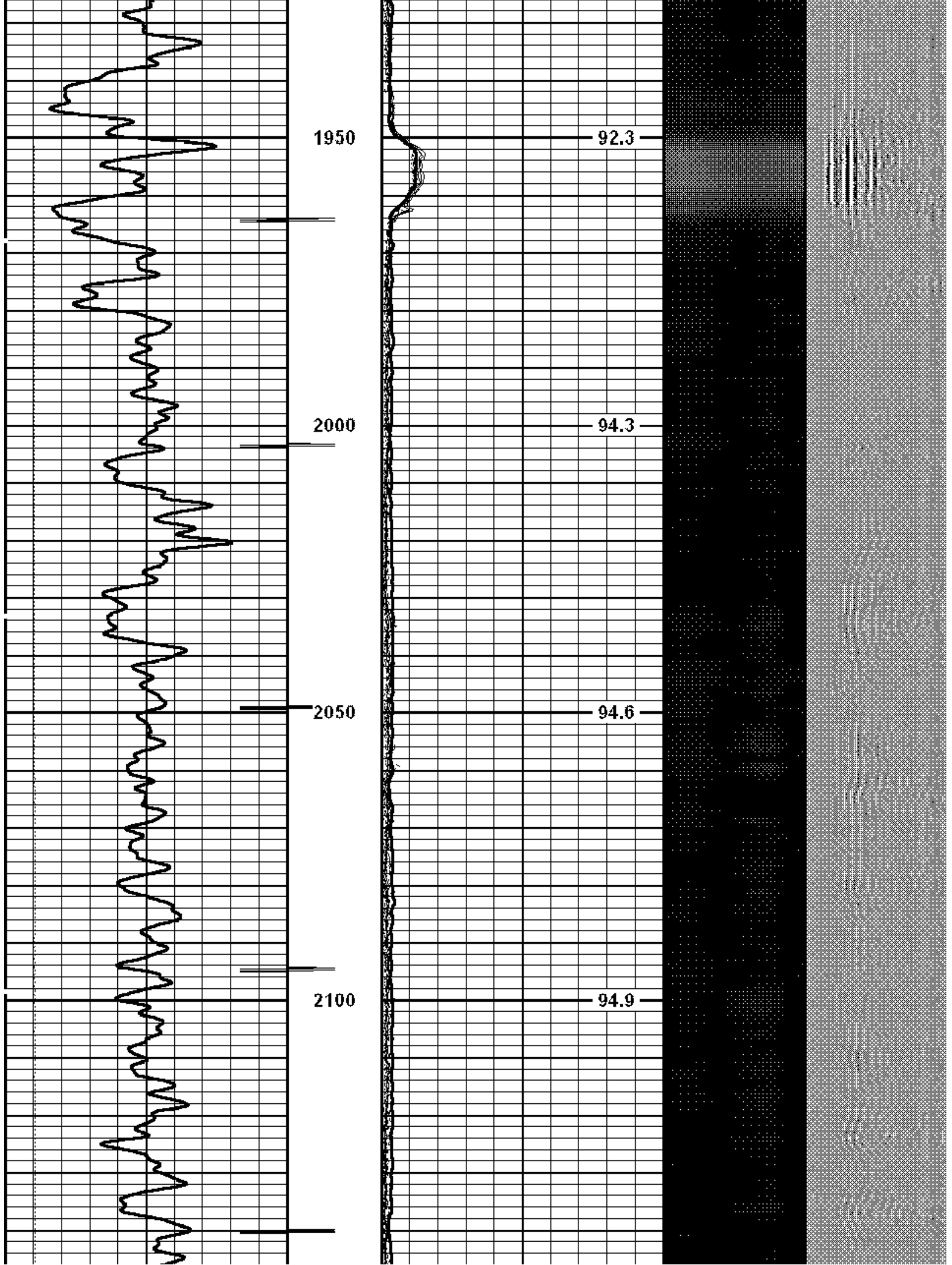


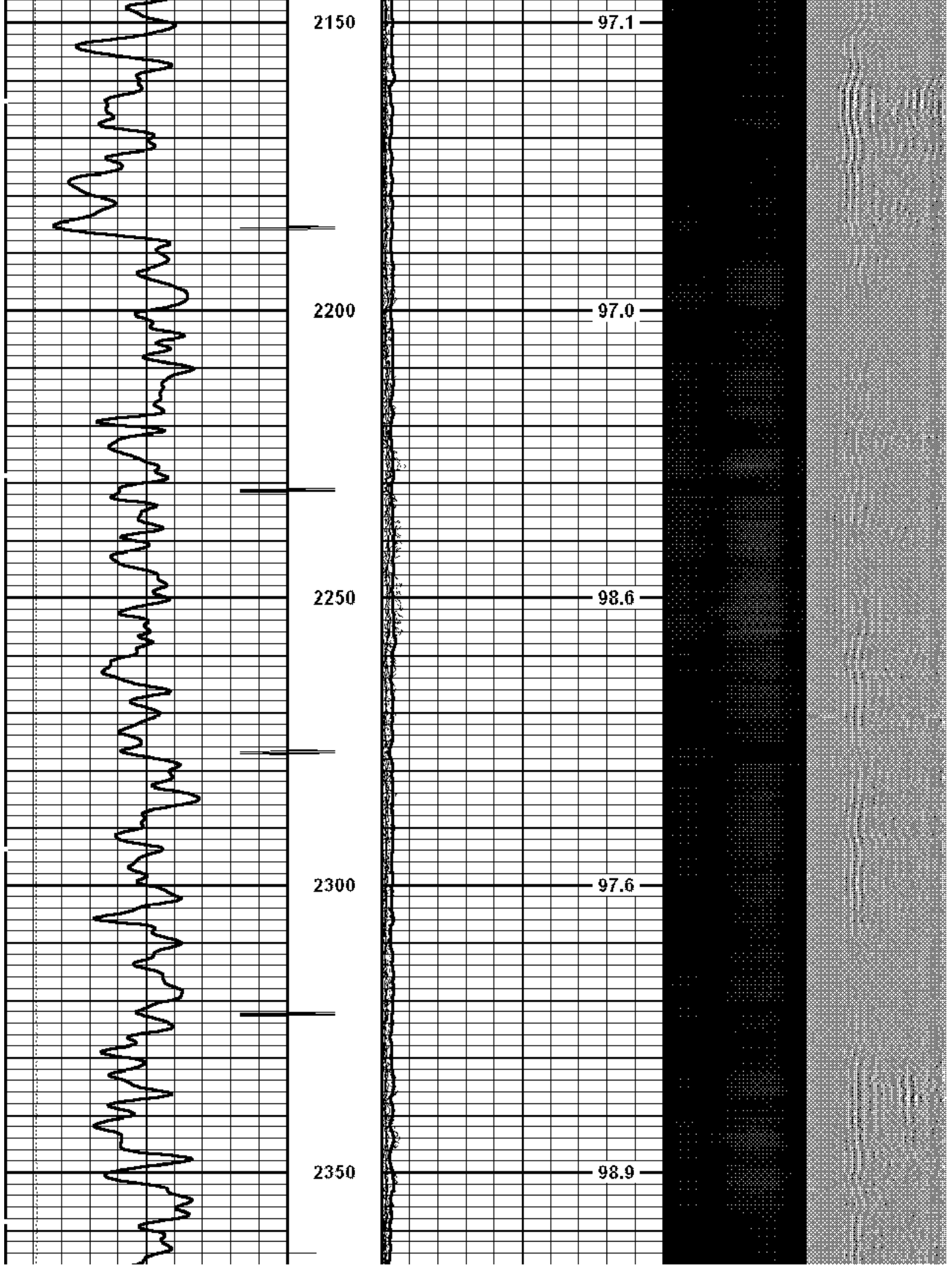


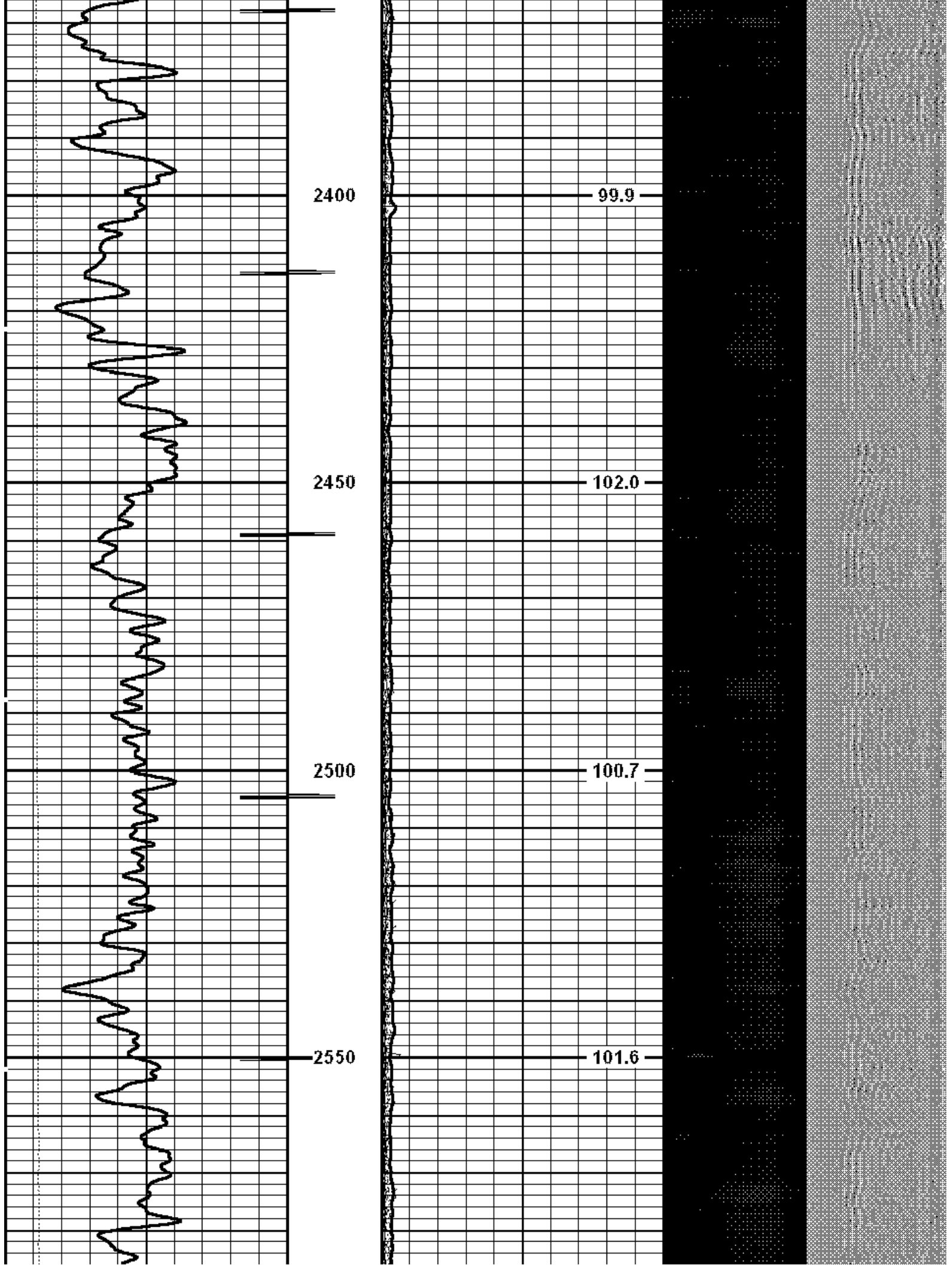


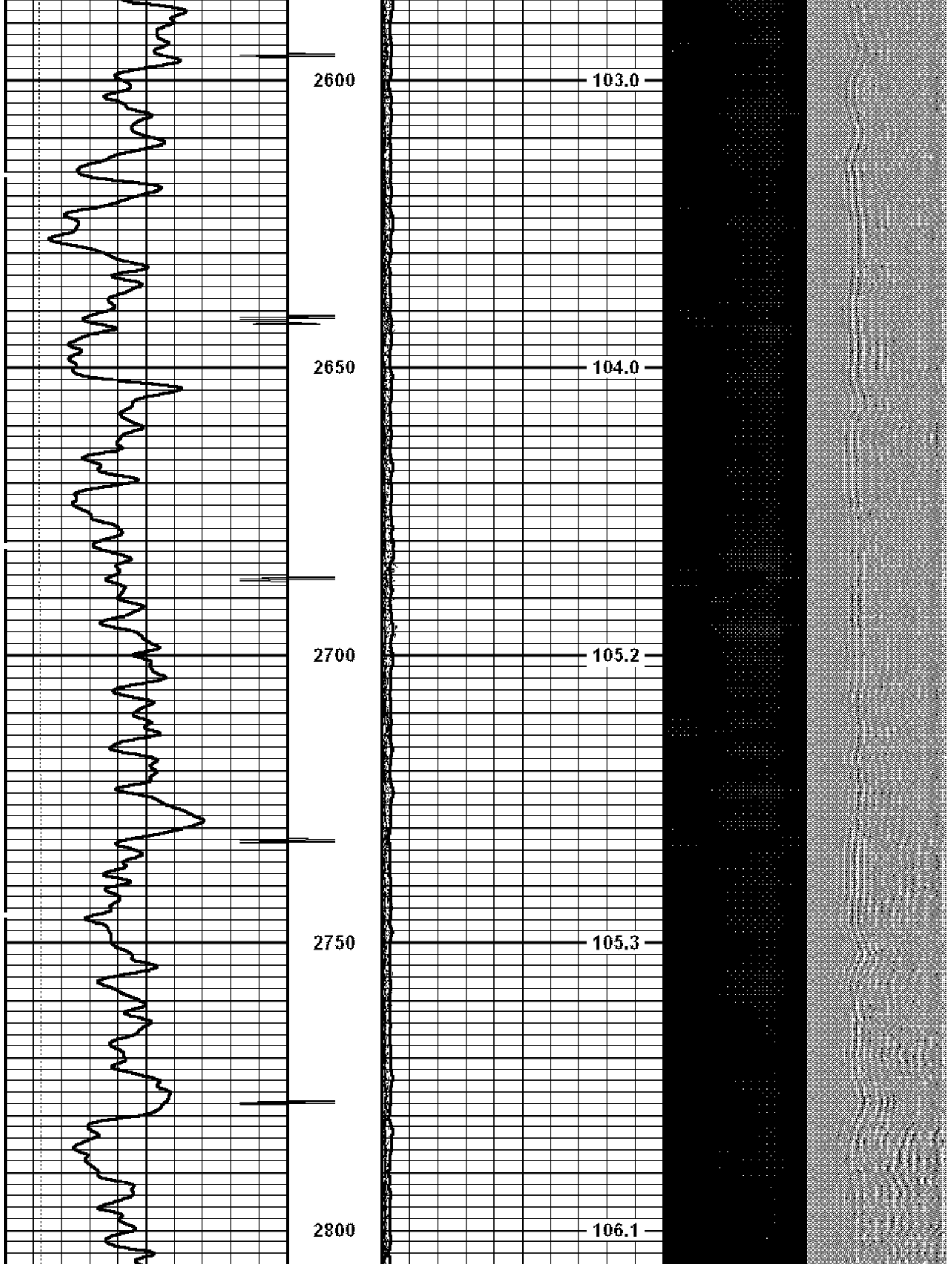


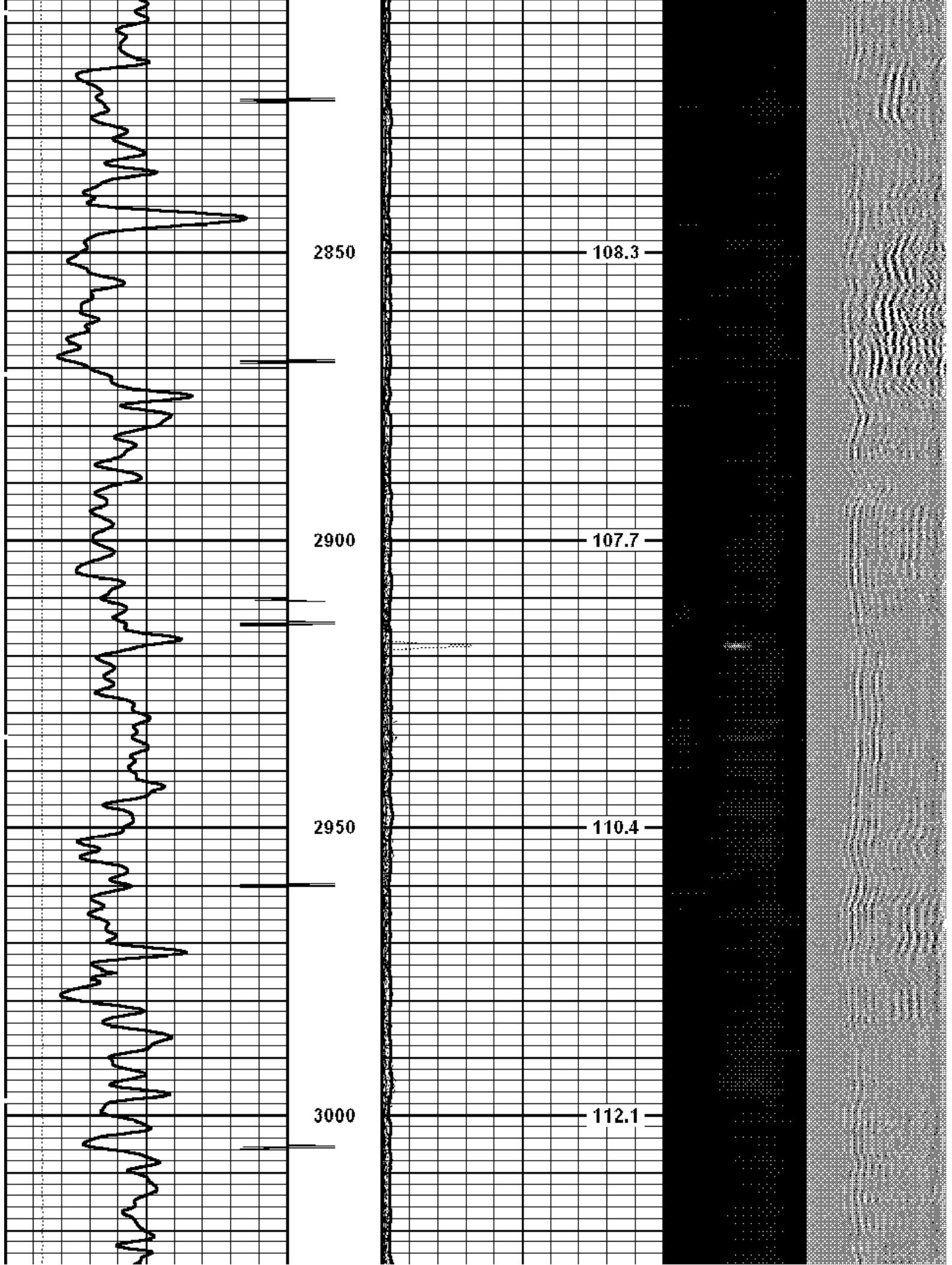


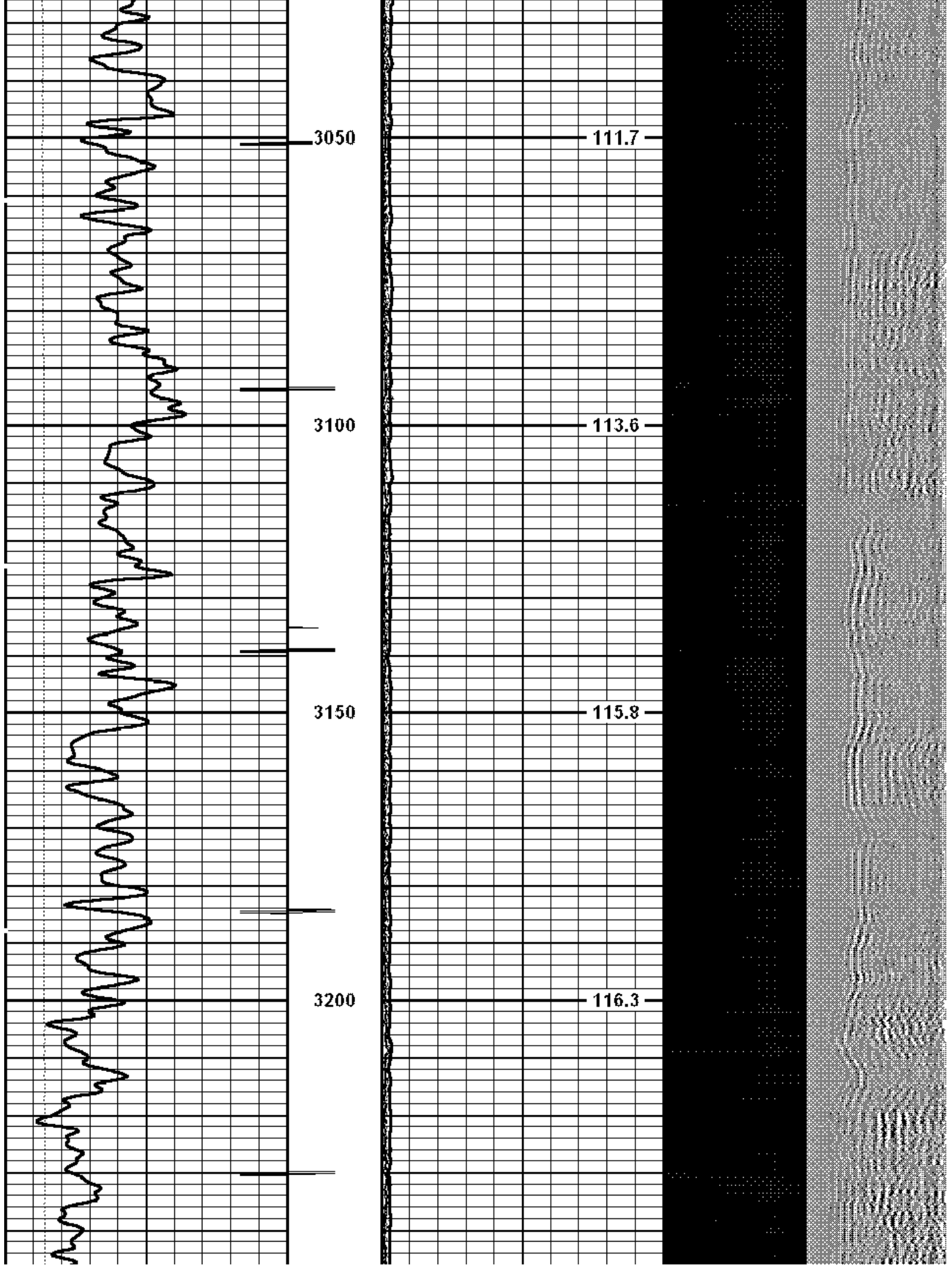


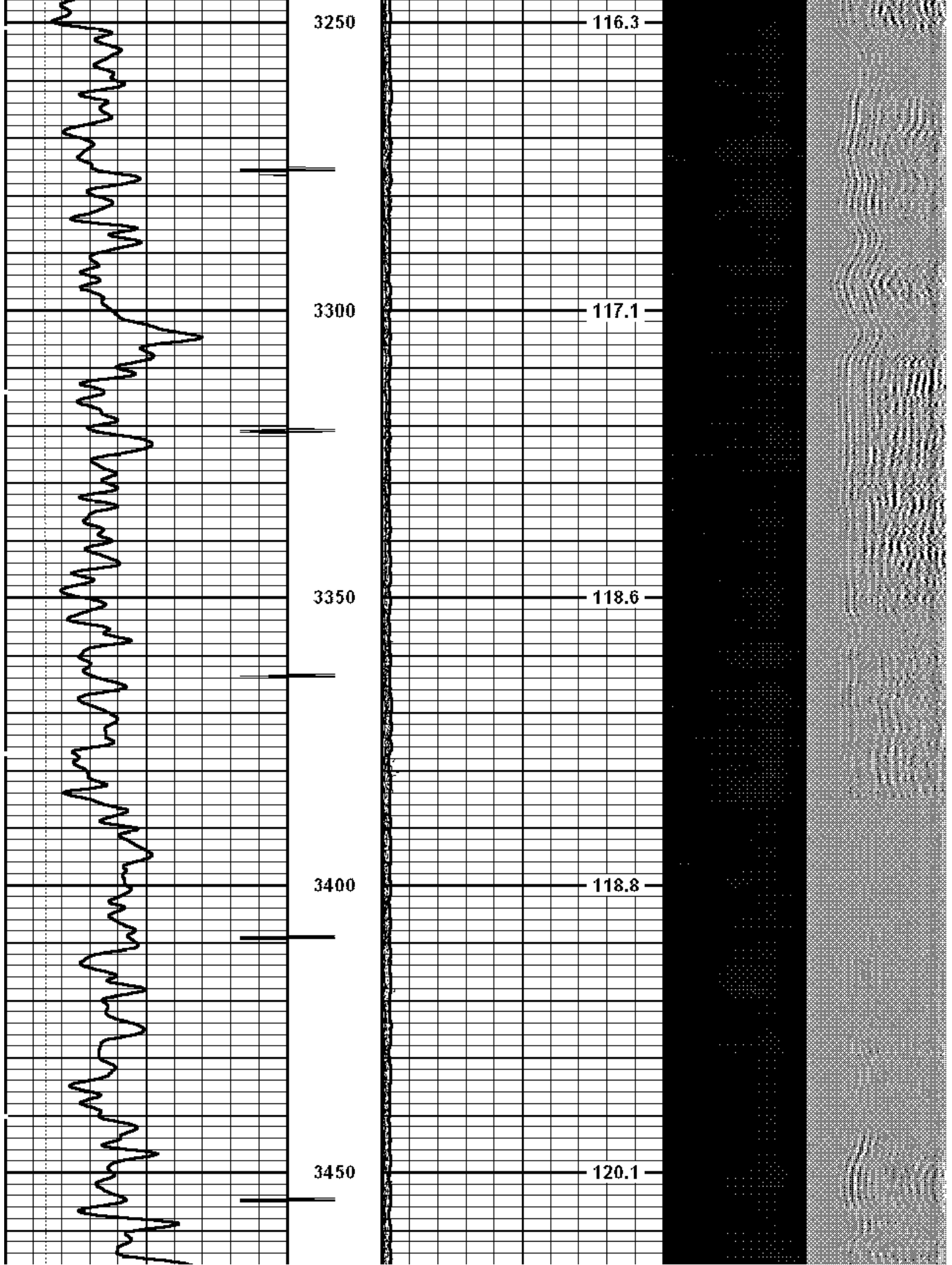


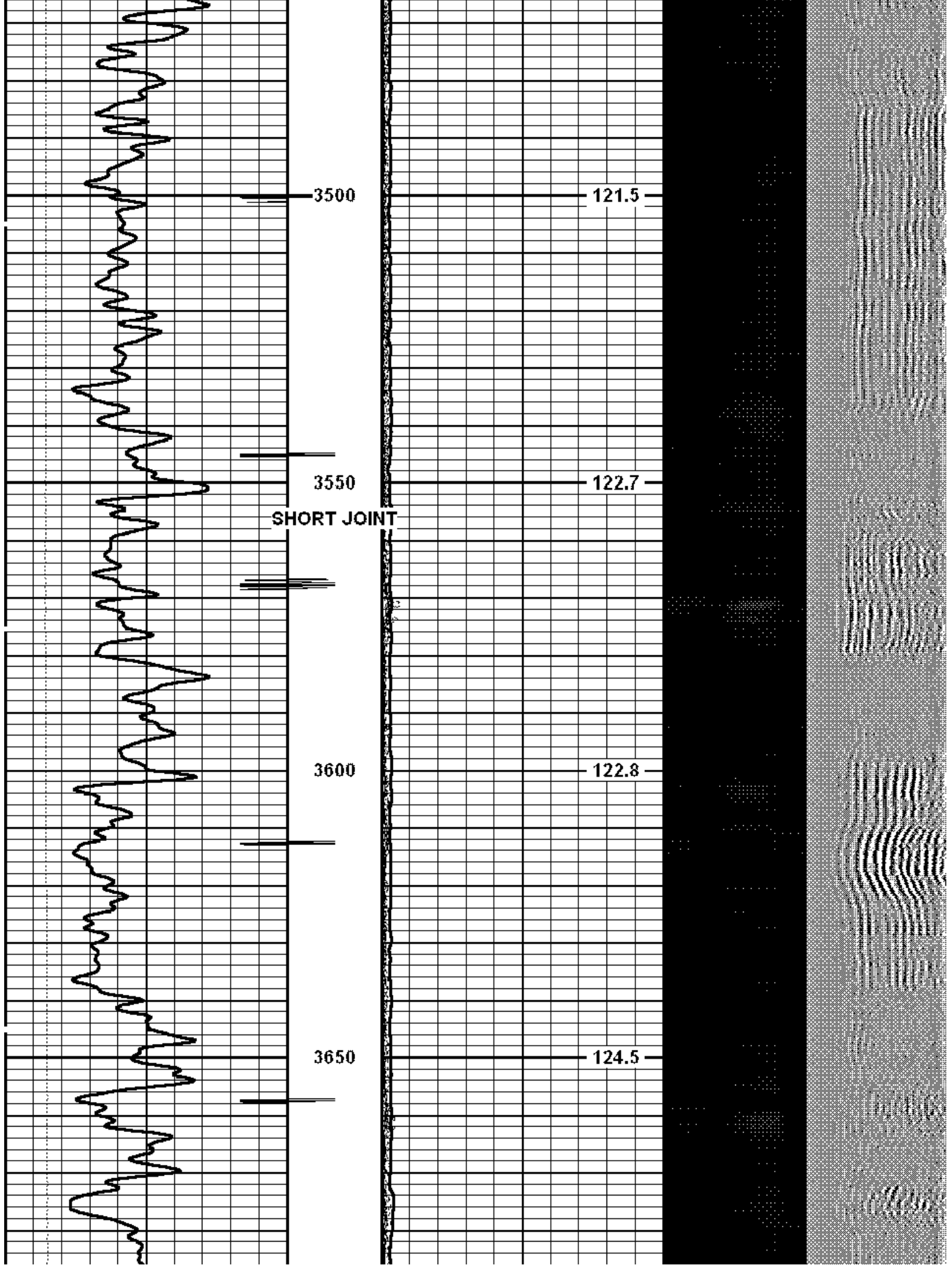


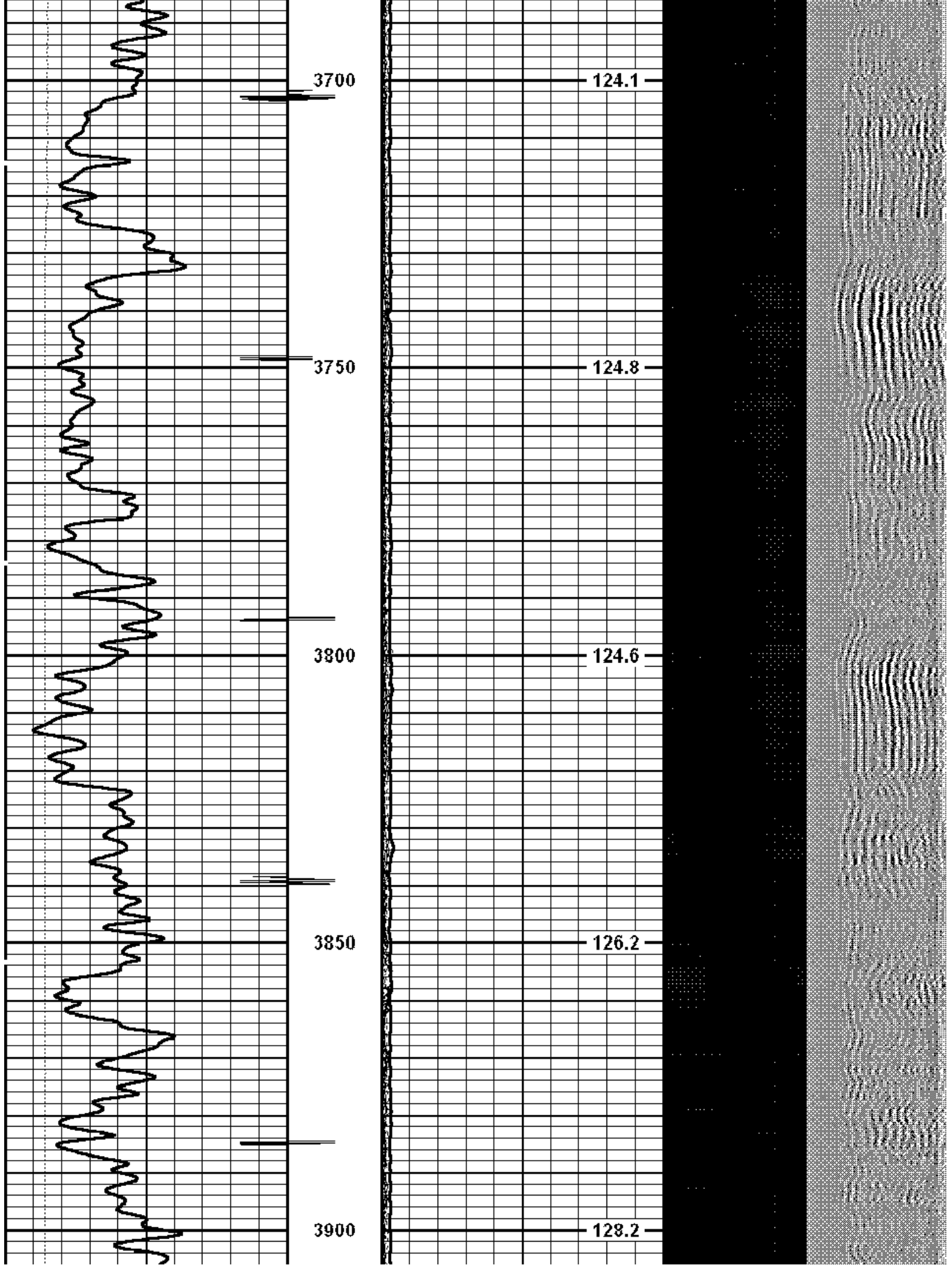


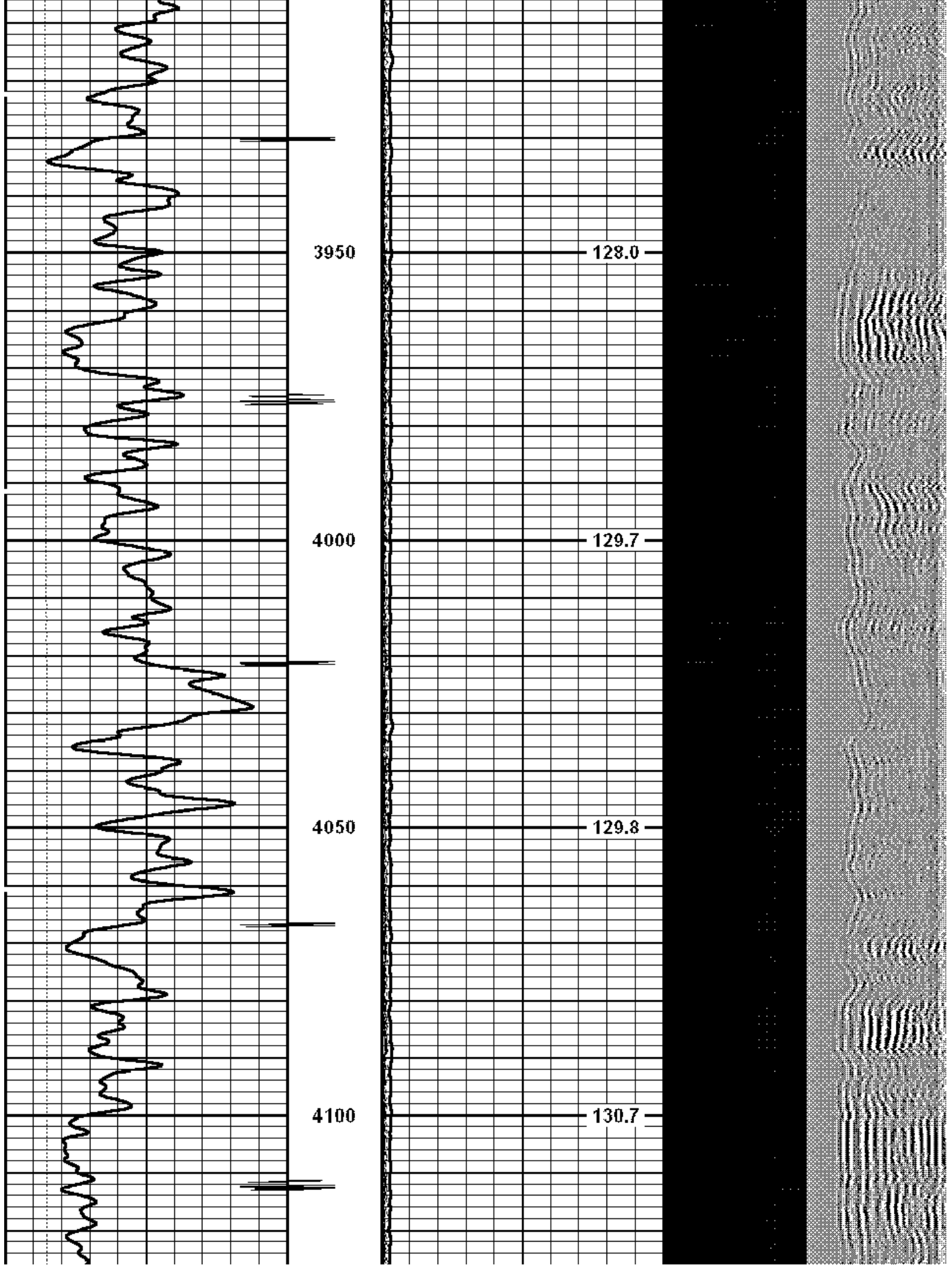


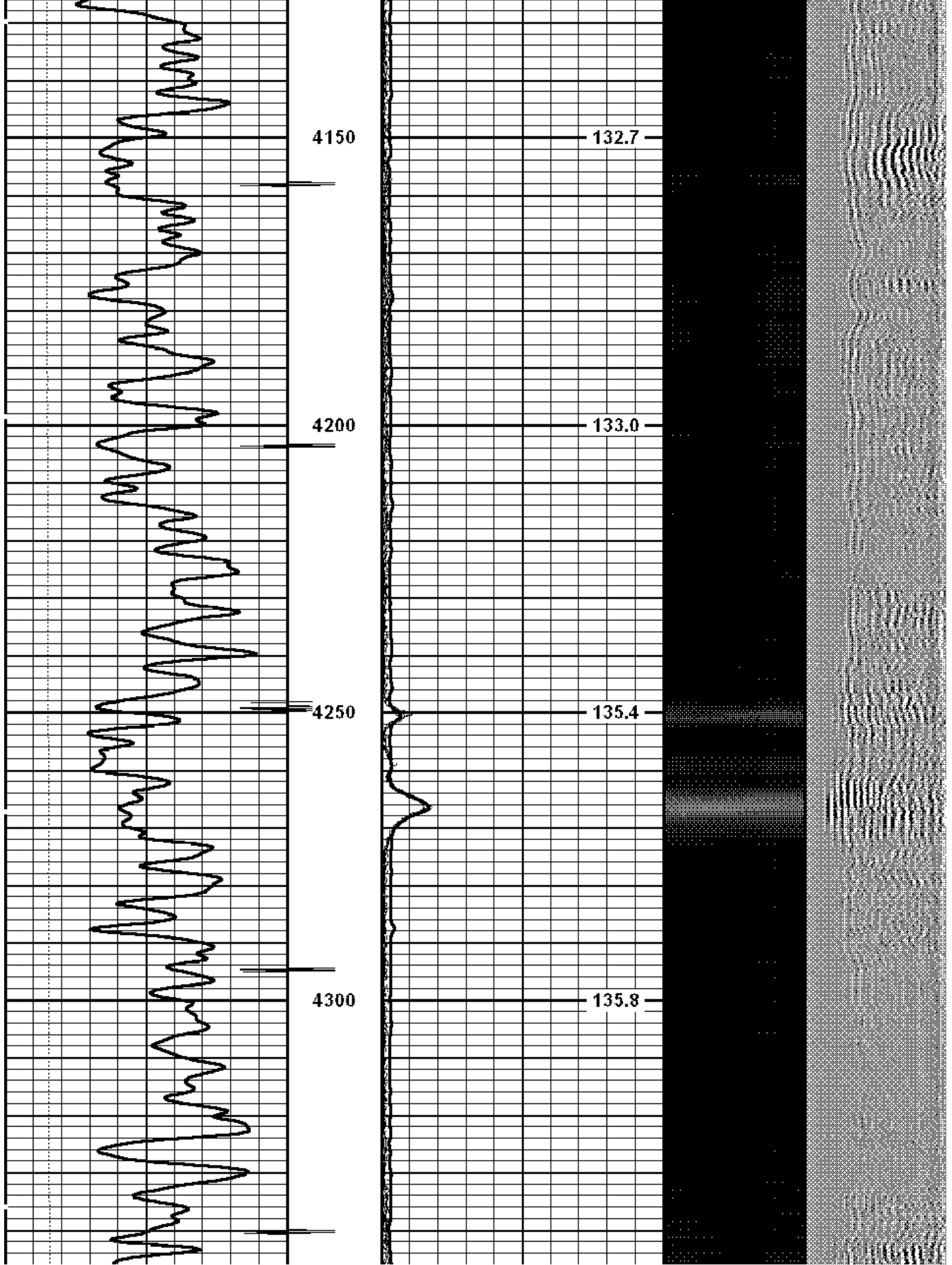


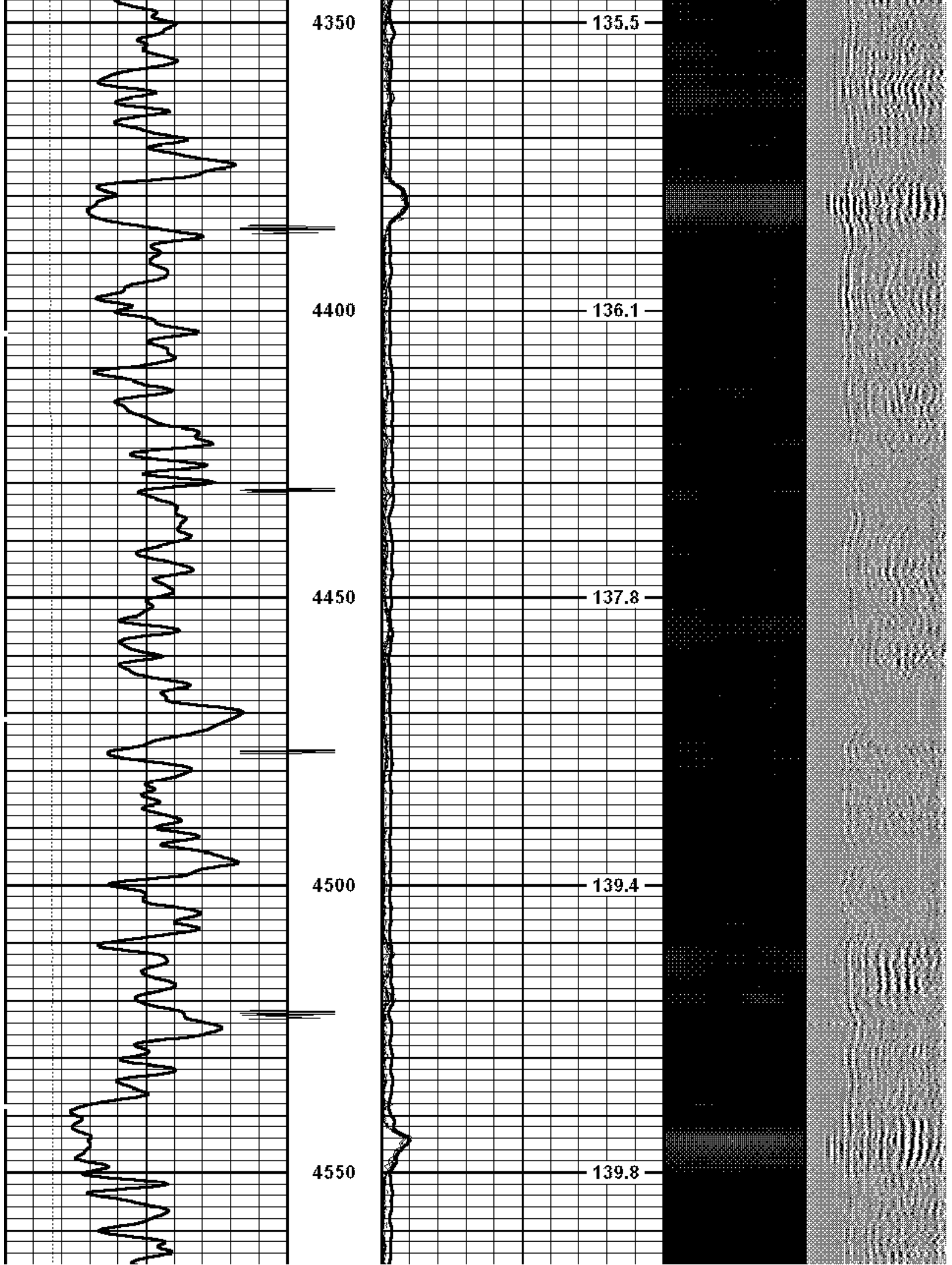


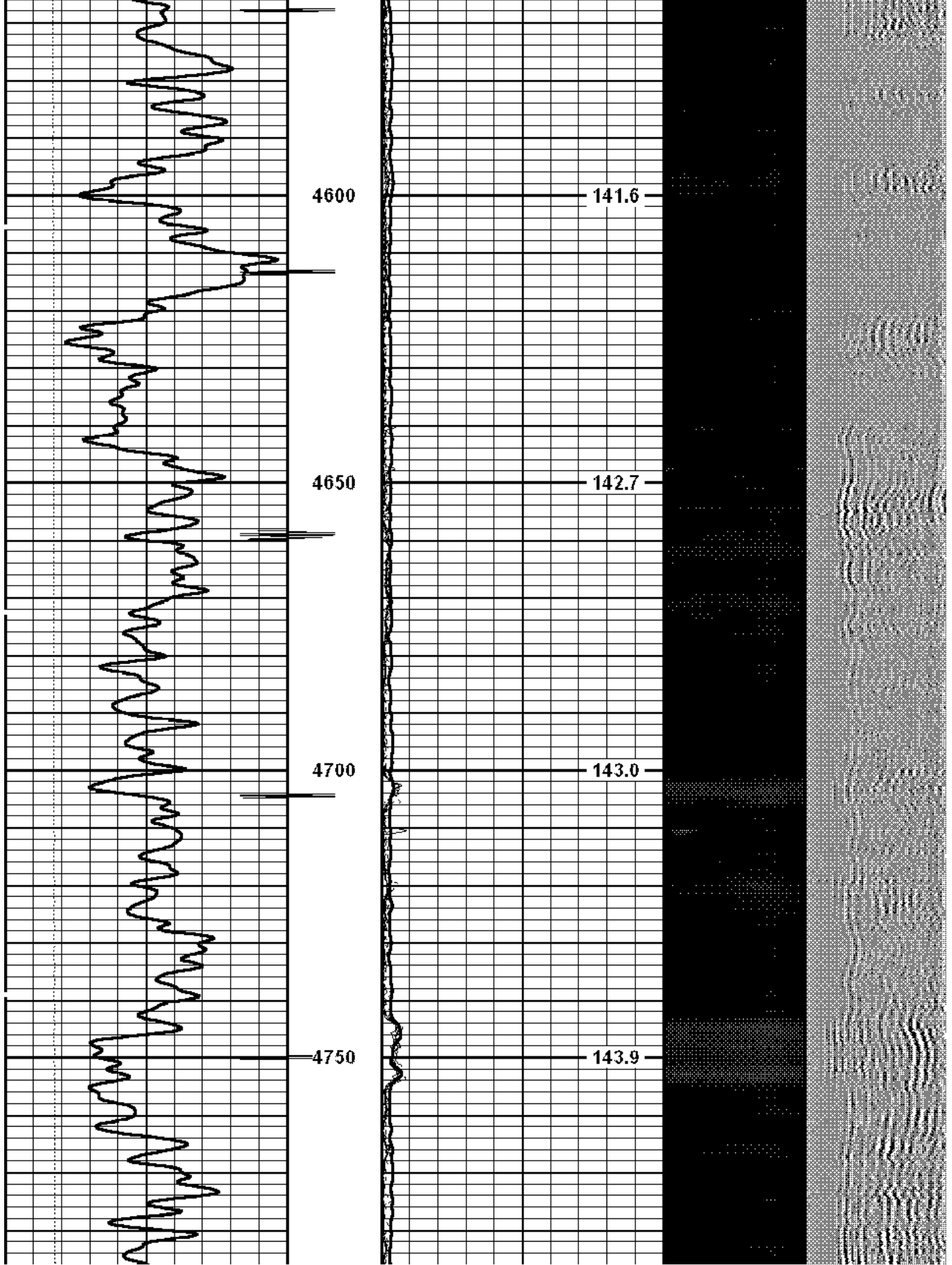


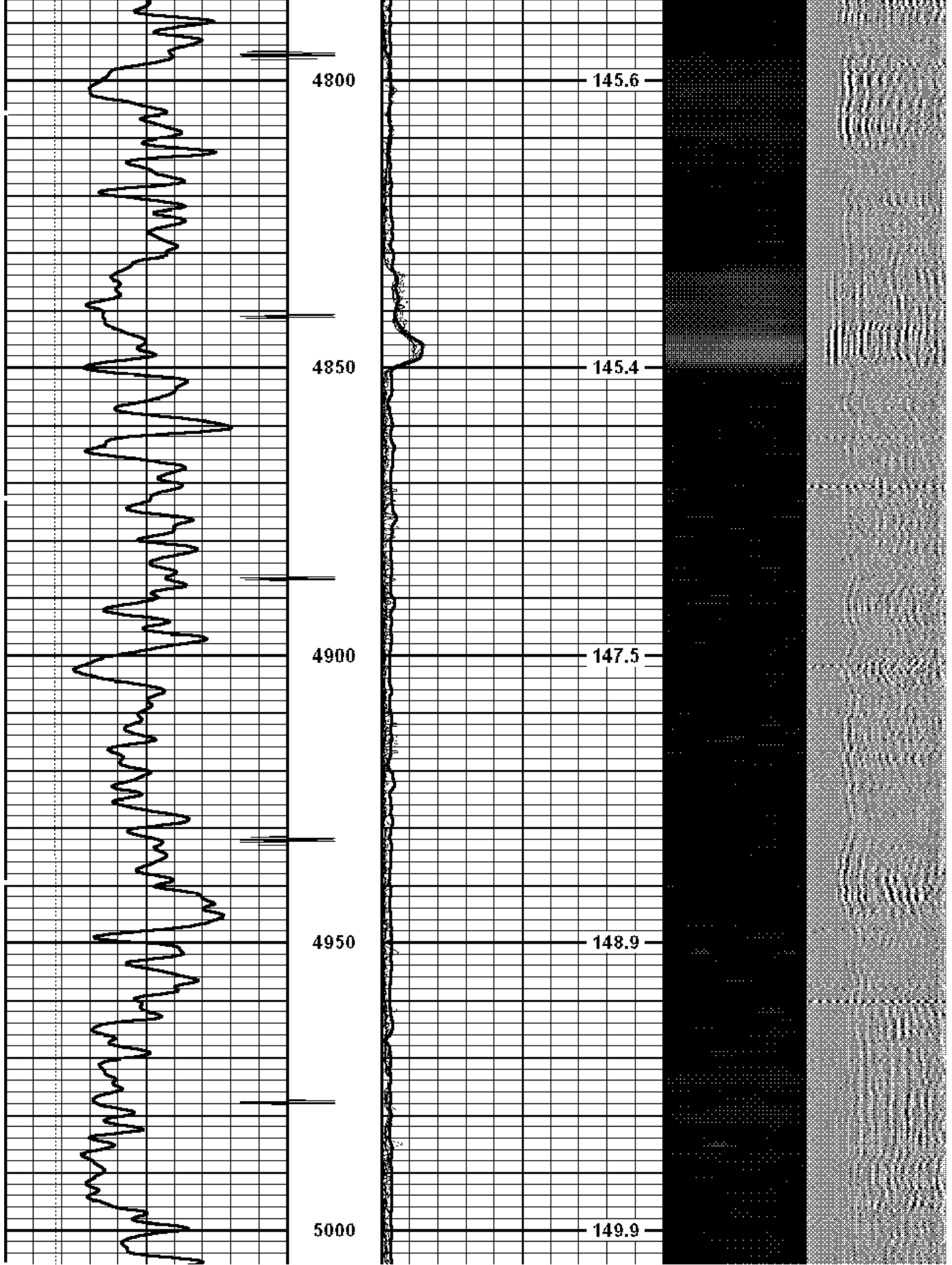


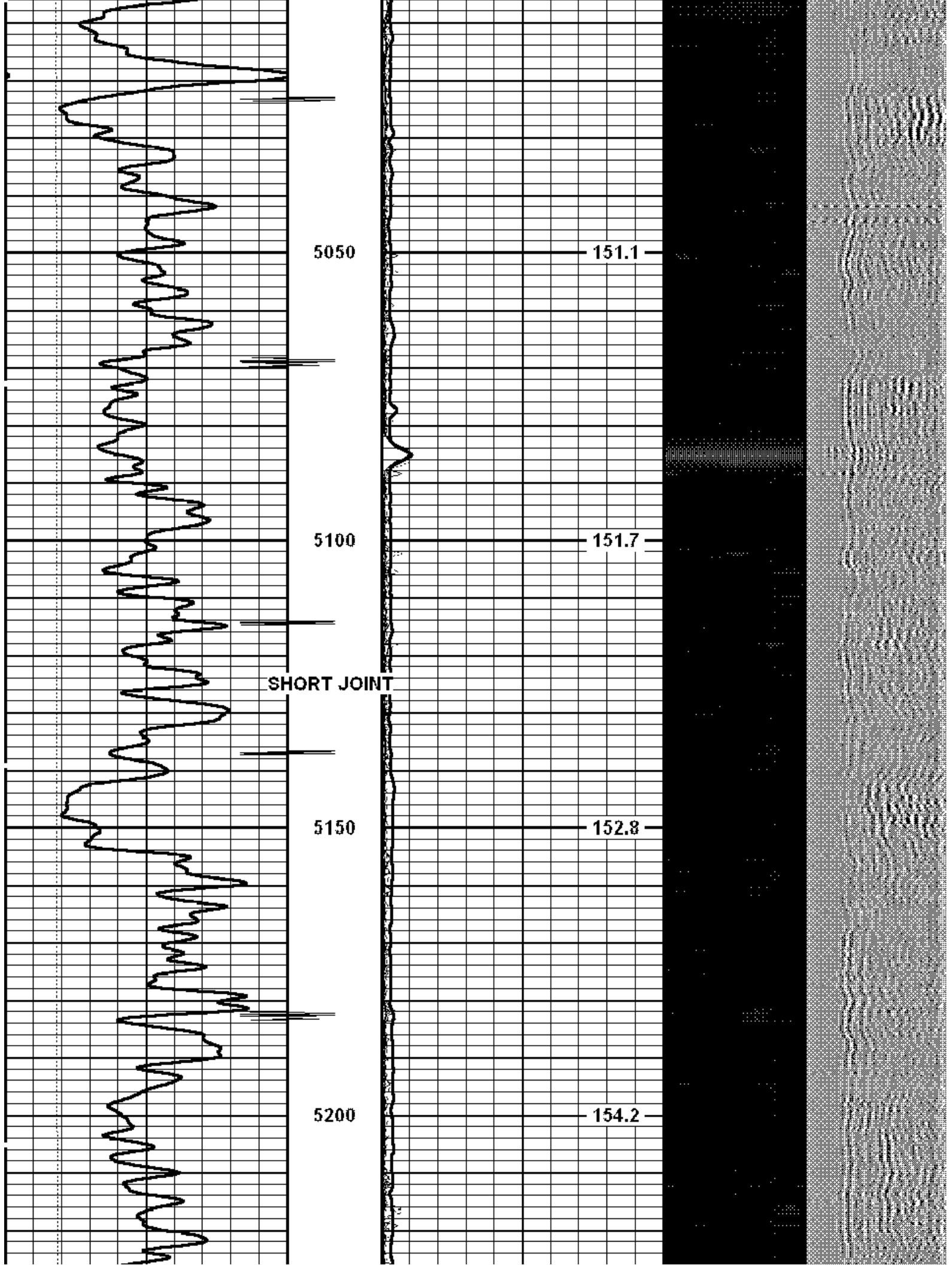


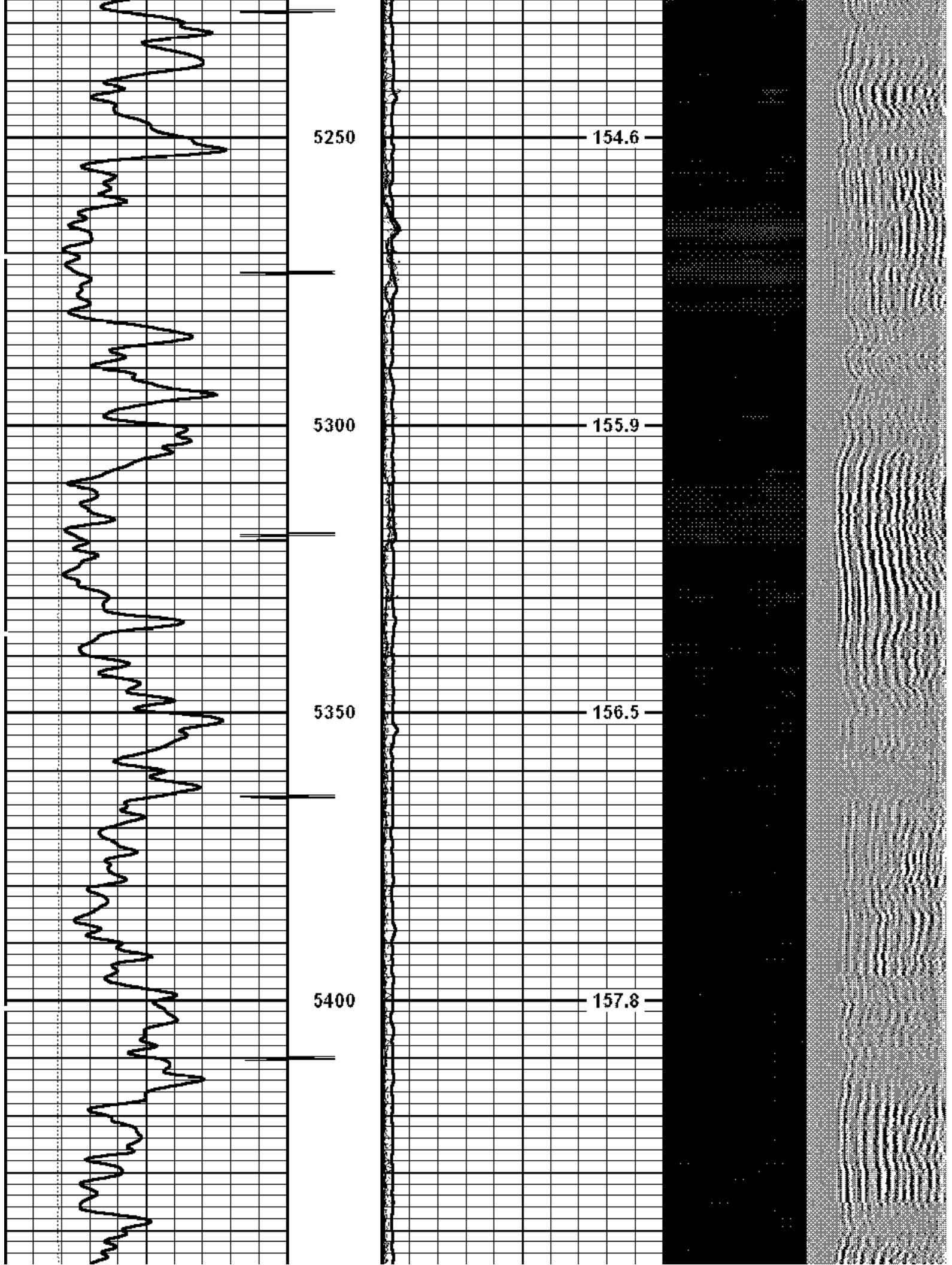


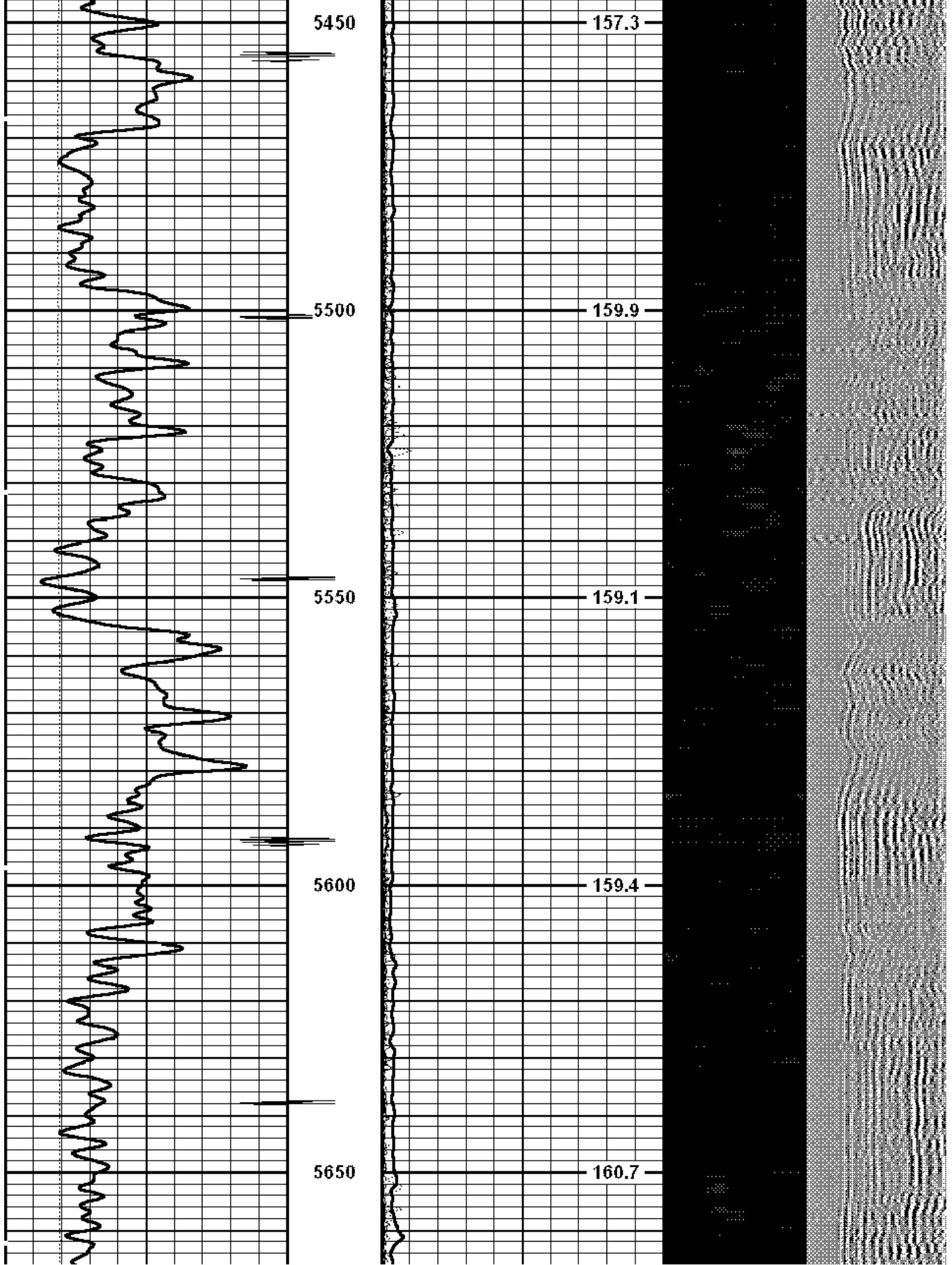


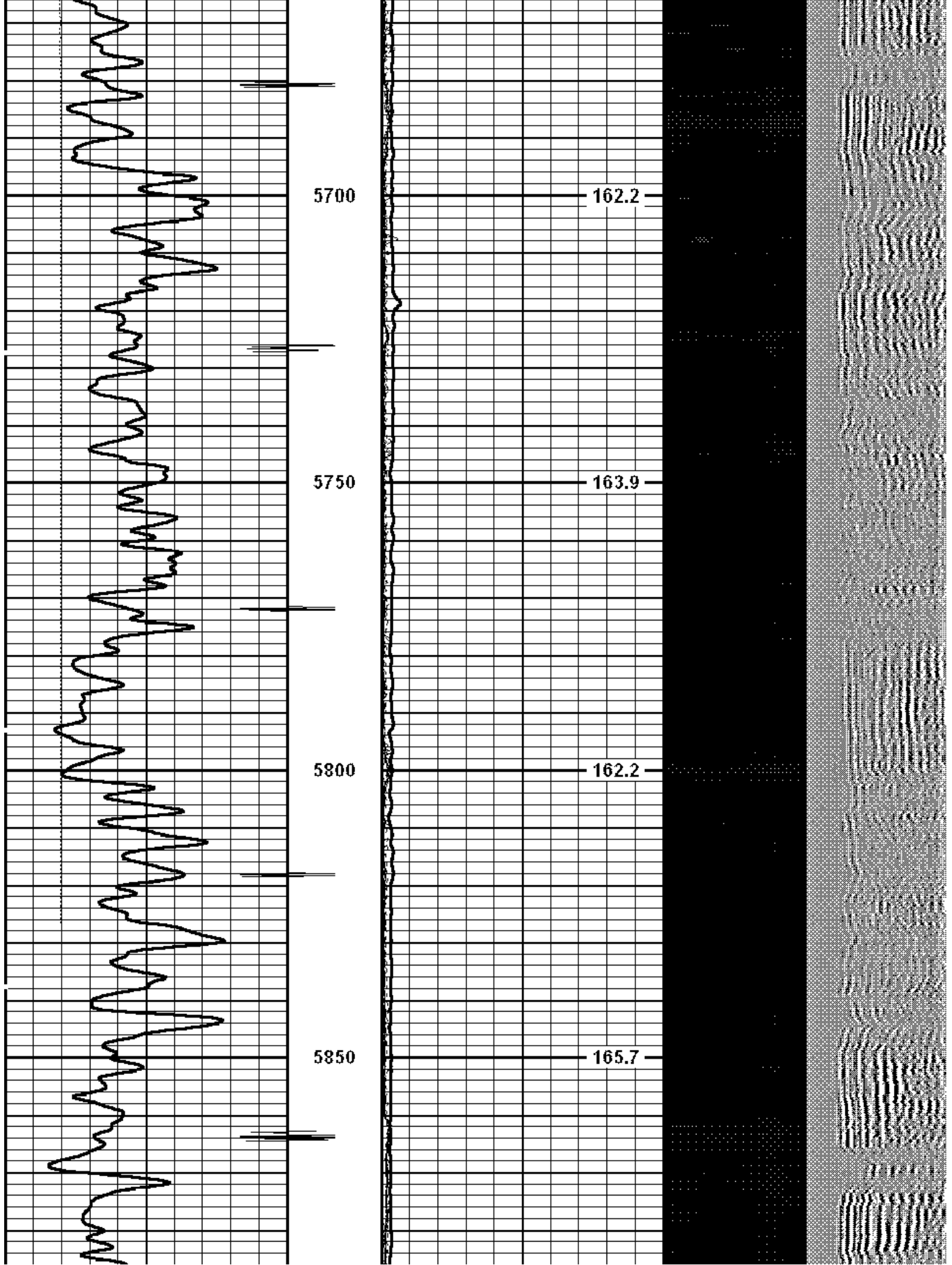


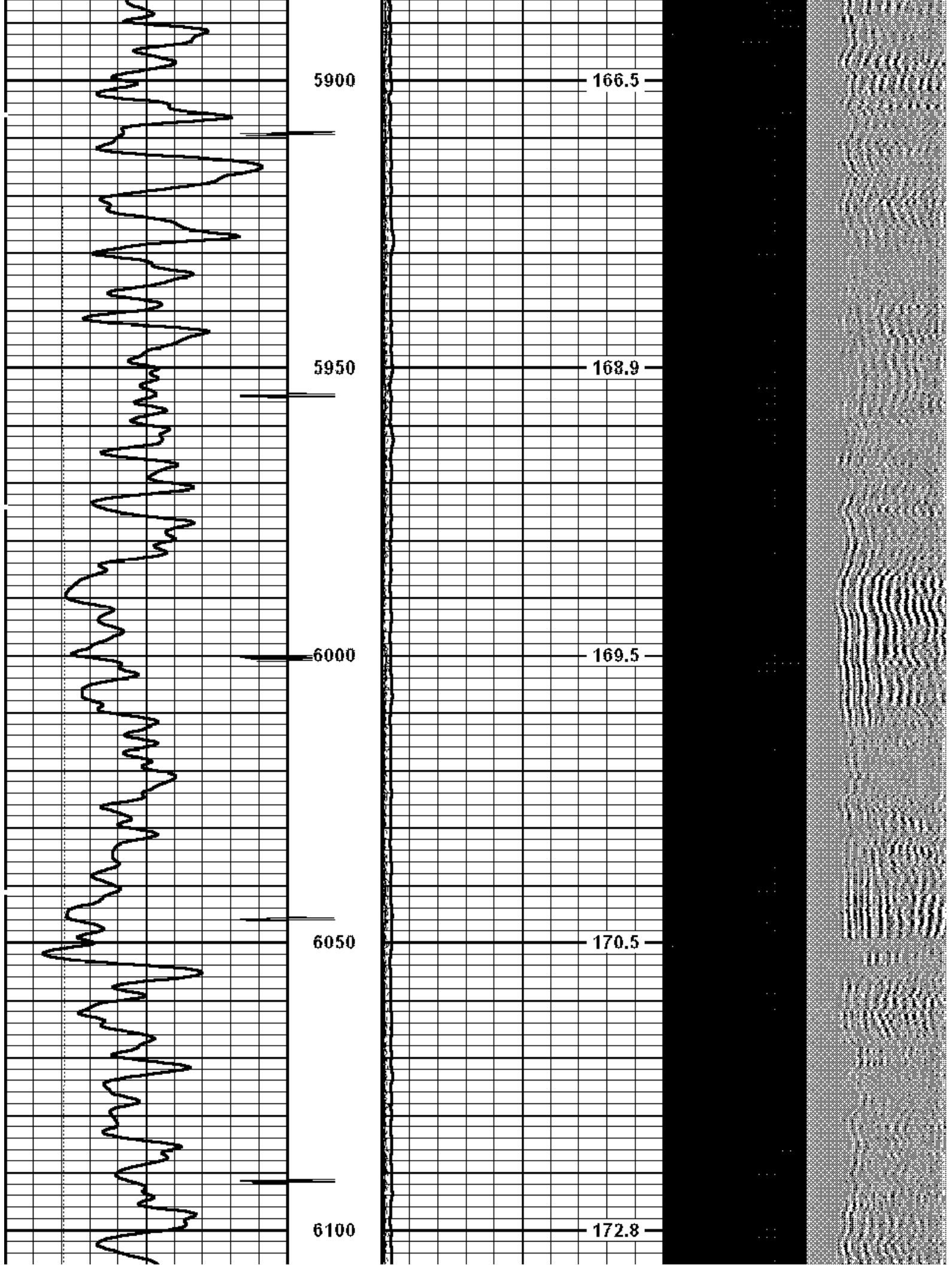


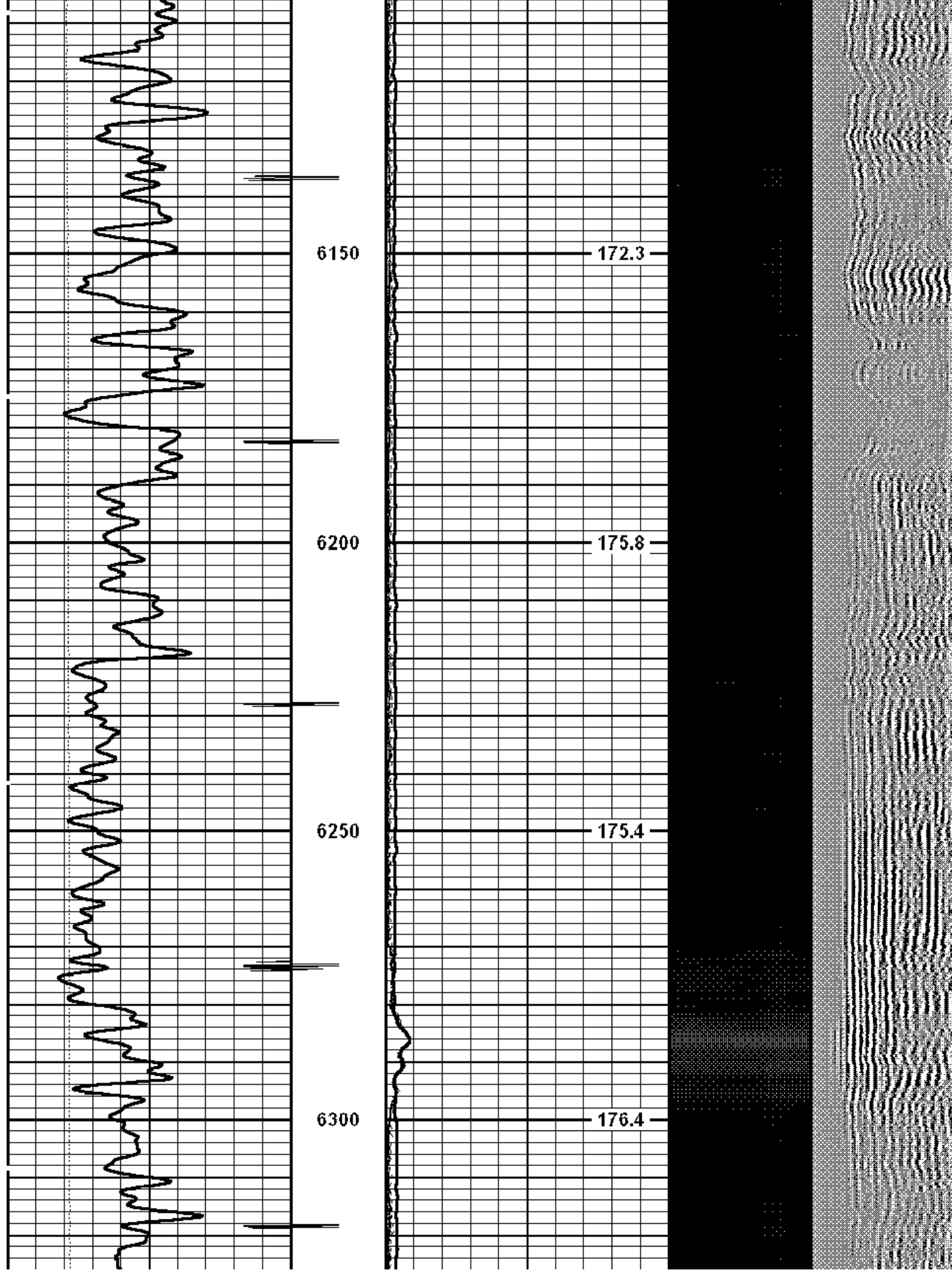


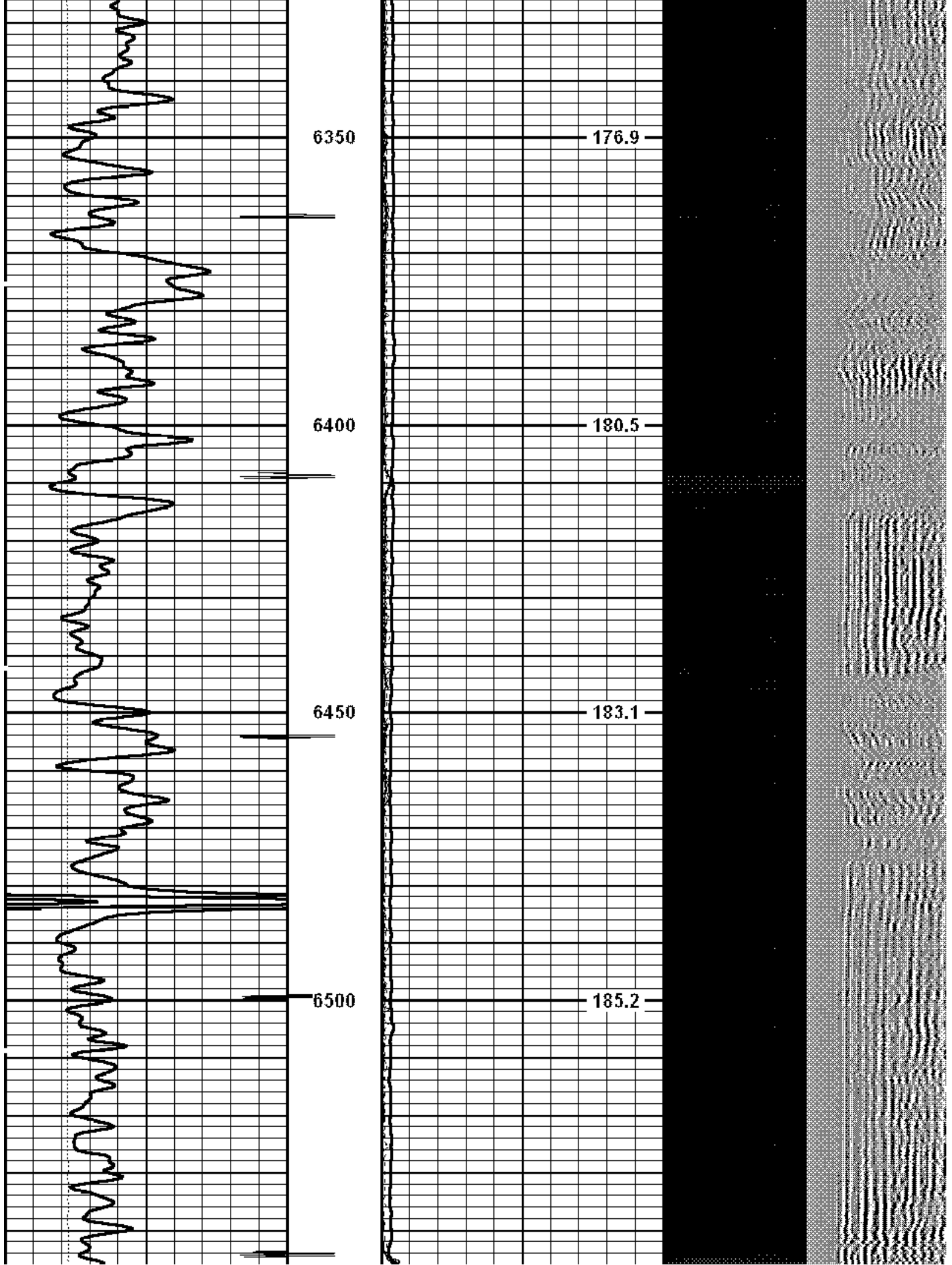


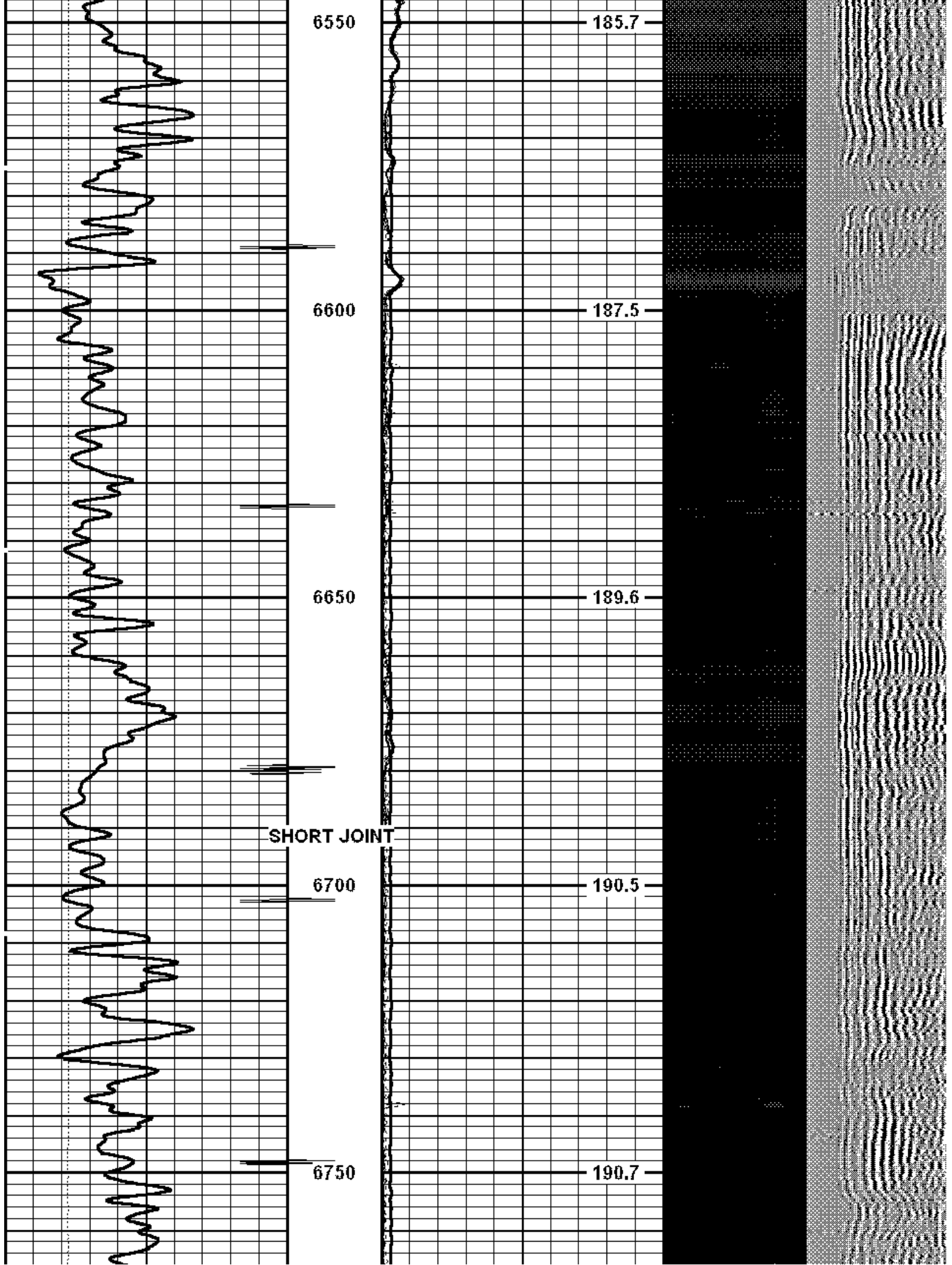


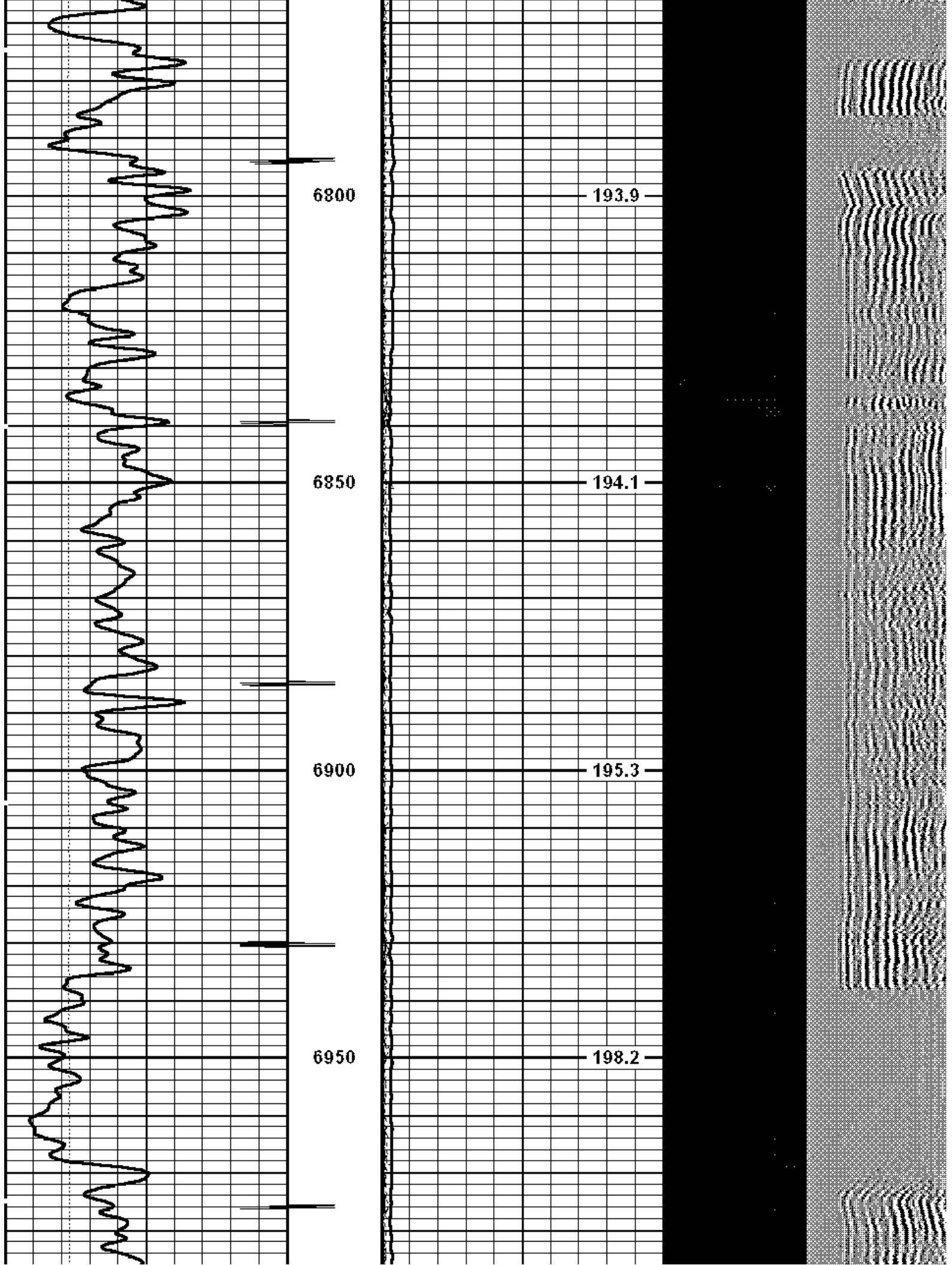


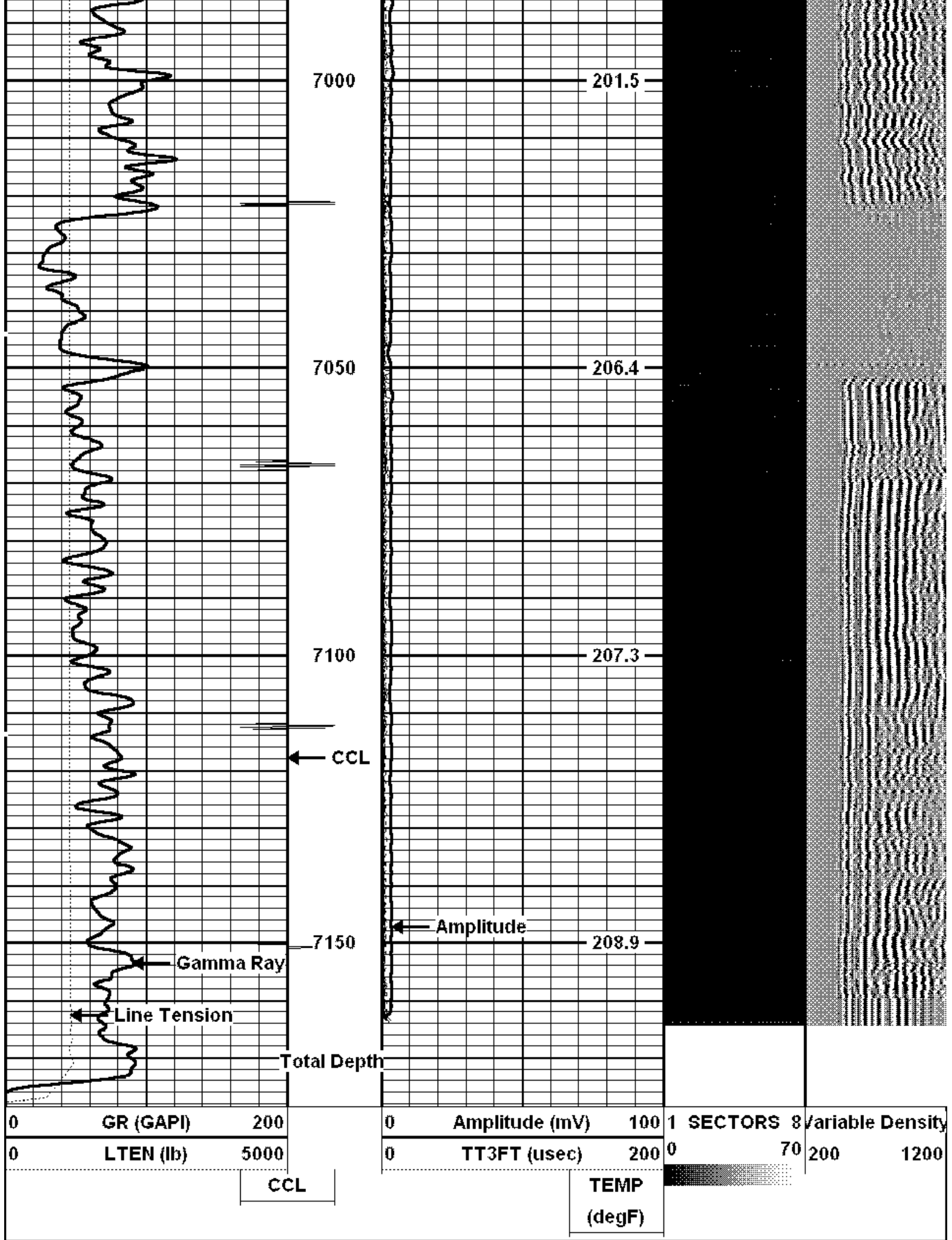


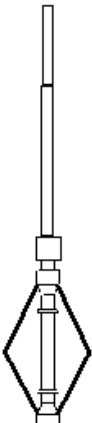
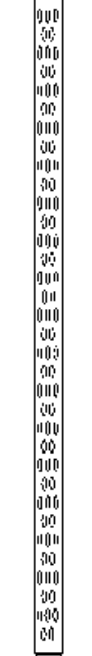
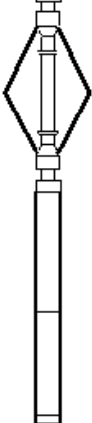
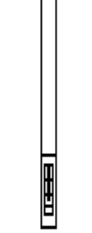










Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	21.68		TITAN	1.02	1.44	1.00
			SNDX_CCL-SNDX_3_13_CCL (000001) CSS Gamma Ray/CCL (CCL Section)	1.92	3.13	11.02
			SONDEX	2.71	2.75	32.00
WVFS3FT	13.92		SNDX_REB-007 (000003) Radial Bond Tool - Analog 3 1/8	9.47	3.13	140.00
WVFS1	13.92					
WVFS2	13.92					
WVFS3	13.92					
WVFS4	13.92					
WVFS5	13.92					
WVFS6	13.92					
WVFS7	13.92					
WVFS8	13.92					
WVFS5FT	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					



Company	ANTERO RESOURCES PICEANCE CORP.
Well	McLIN C22
Field	MAMM CREEK
County	GARFIELD
State	COLORADO