

RADIAL CEMENT BOND LOG
GAMMA RAY
CCL

Company		Kerr McGee Oil & Gas	
Well		PERRIN HELEN E GU #1	
Field		Wattenberg	
County		WELD	
State		CO	
Location:		APL # : 05-123-08352 SE/SW	
Other Services			
Permanent Datum		GL	
Log Measured From		KB-10'	
Drilling Measured From		KB	
SEC 29		TWP 2N	
RGE 67W		Elevation 5046	
Elevation		KB. 5056'	
D.F. 5055'		G.L. 5046'	
Date		4-8-2014	
Run Number		ONE	
Depth Driller		8267	
Depth Logger		7411	
Bottom Logged Interval		7411	
Top Log Interval		SURFACE	
Open Hole Size		4.5	
Type Fluid		WATER	
Density / Viscosity		NA	
Max. Recorded Temp.		213	
Estimated Cement Top		SURFACE	
Time Well Ready		NA	
Time Logger on Bottom		NA	
Equipment Number		7770	
Location		GREELEY	
Recorded By		C.JONES	
Witnessed By		L.MORALES	
Borehole Record		Tubing Record	
Run Number		Bit	
From		To	
Size		Weight	
From		To	
ONE			
TWO			
Casing Record		Size	
Surface String		Wgt/Ft	
Prot. String		Top	
Production String		Bottom	
Liner			

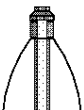
<<< Fold Here >>>

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

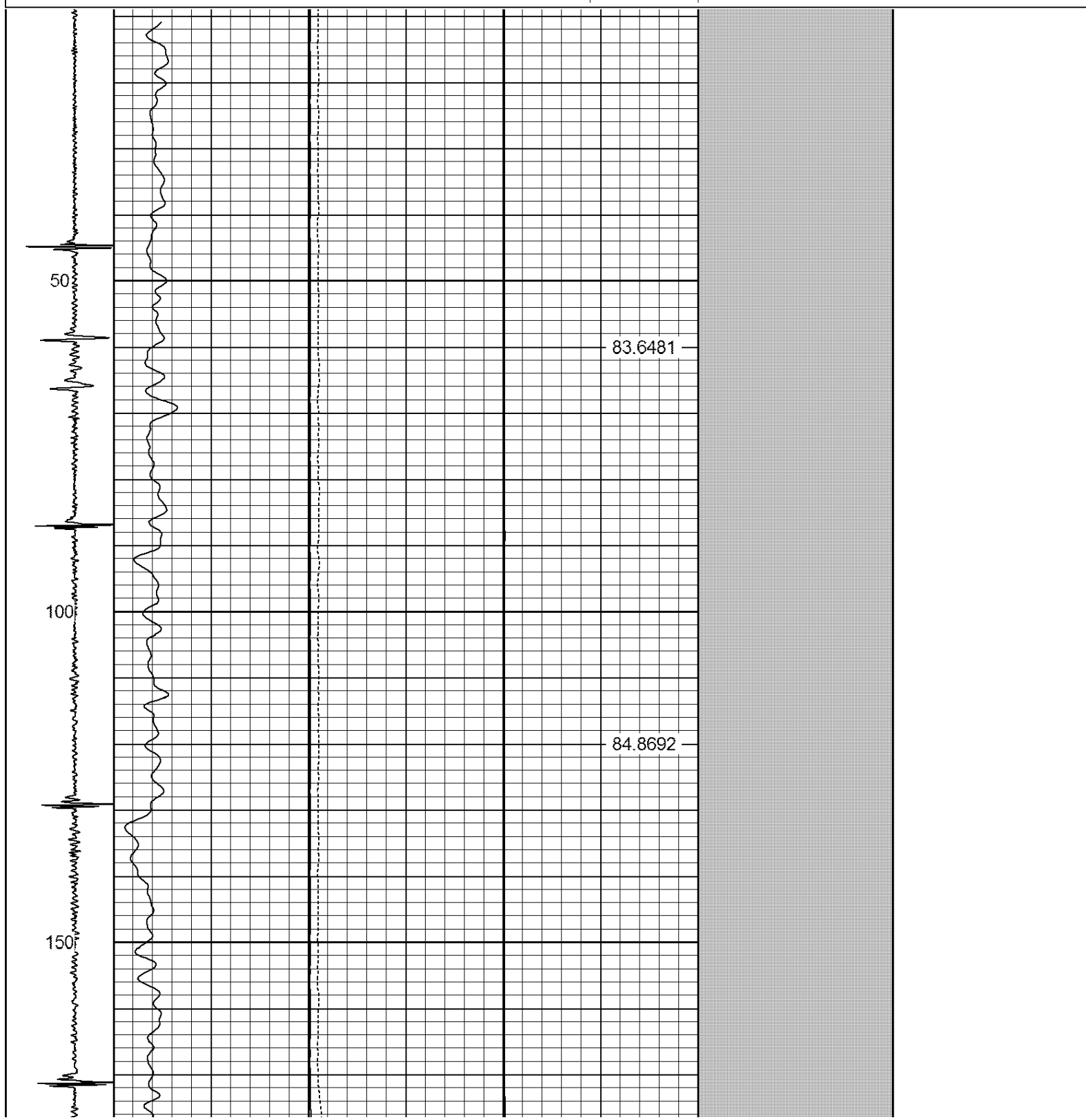
RAN CBL TO VERIFY CEMENT BEHIND CASING.
TIED INTO SQ.HOLES @ 4920'

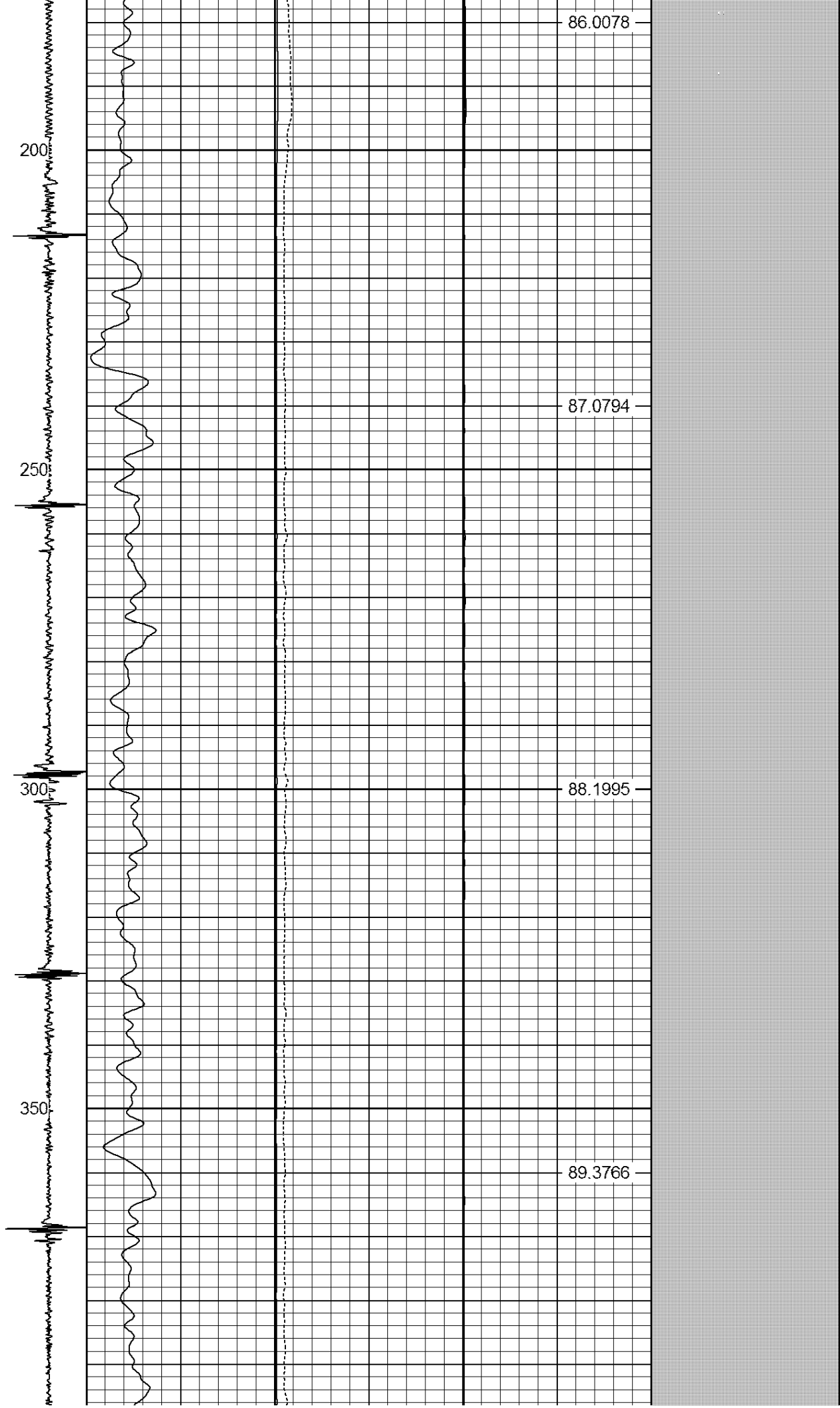
THANK YOU FOR USING WARRIOR ENERGY SERVICES!

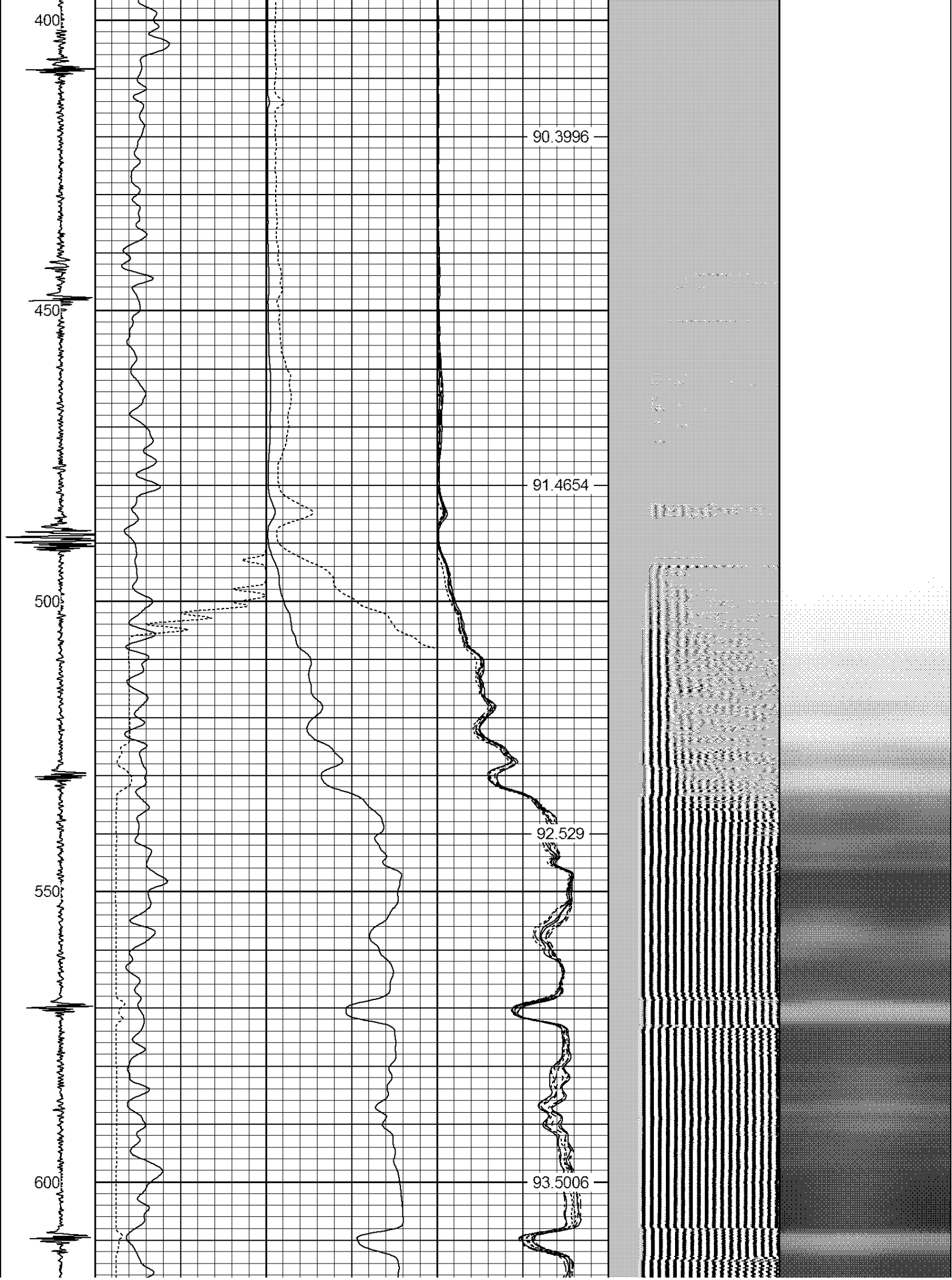
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
						

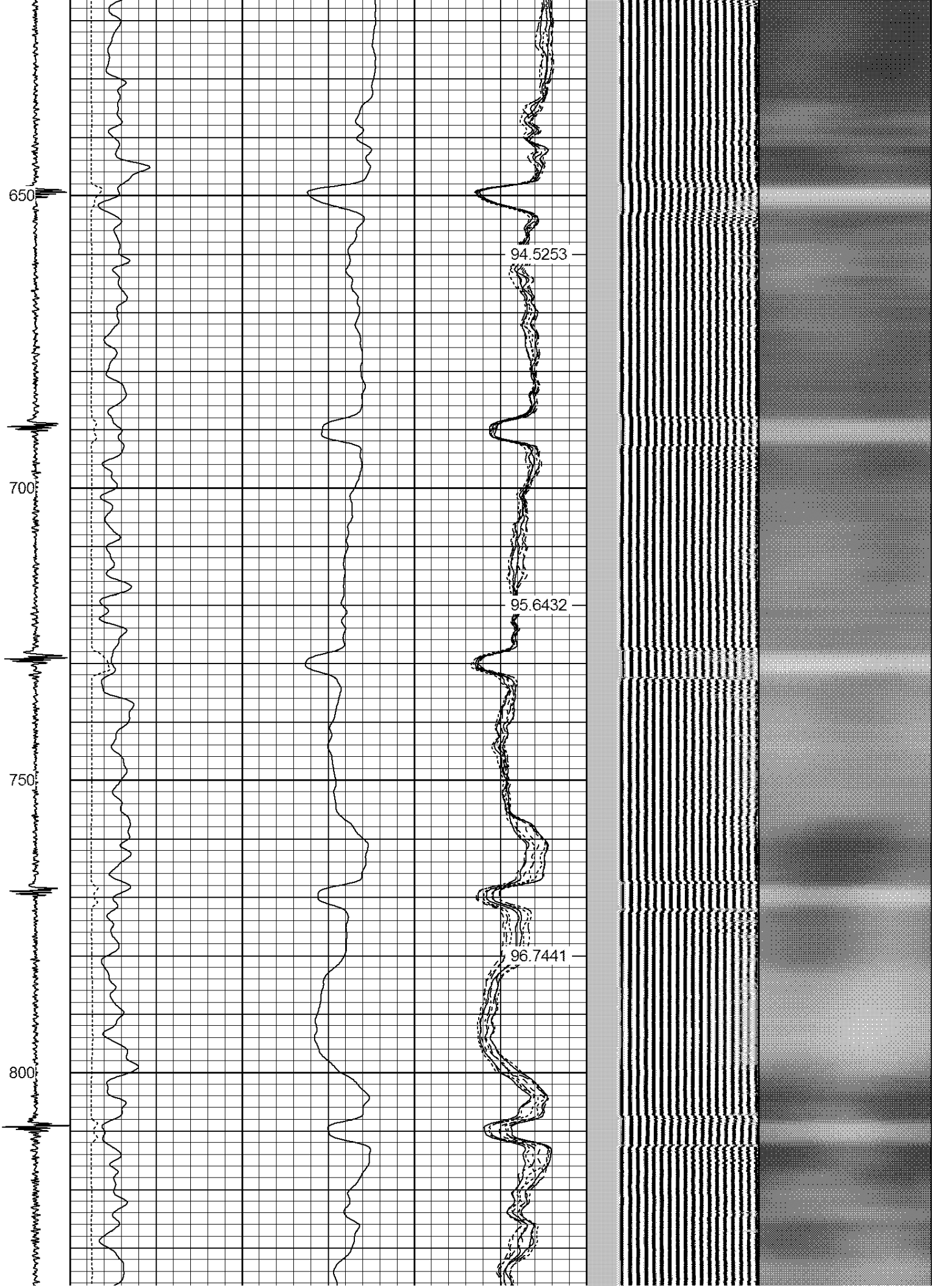
CNLSC	16.42		CNT-Probe_B (275) 6 bow centralizer	3.00	2.75	18.00
CNSSC	15.58					
HEADVOLT	14.75					
IntTemp	13.33					
WVF3FT	10.08					
WVFCAL	10.08					
WVFS1	10.08					
WVFS2	10.08					
WVFS3	10.08					
WVFS4	10.08					
WVFS5	10.08					
WVFS6	10.08					
WVFS7	10.08					
WVFS8	10.08					
WVF5FT	9.08					
			RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
			CENT-Probe (PT_MONO2)	1.50	2.75	35.00
CCL	3.64					
			GR-Probe (275) Probe 2.75"	4.33	2.75	30.00
GR	0.90					
Dataset: perrin helen r gu 1.db: field/well/run1/pass5 Total Length: 17.75 ft Total Weight: 173.00 lb O.D. 2.75 in						

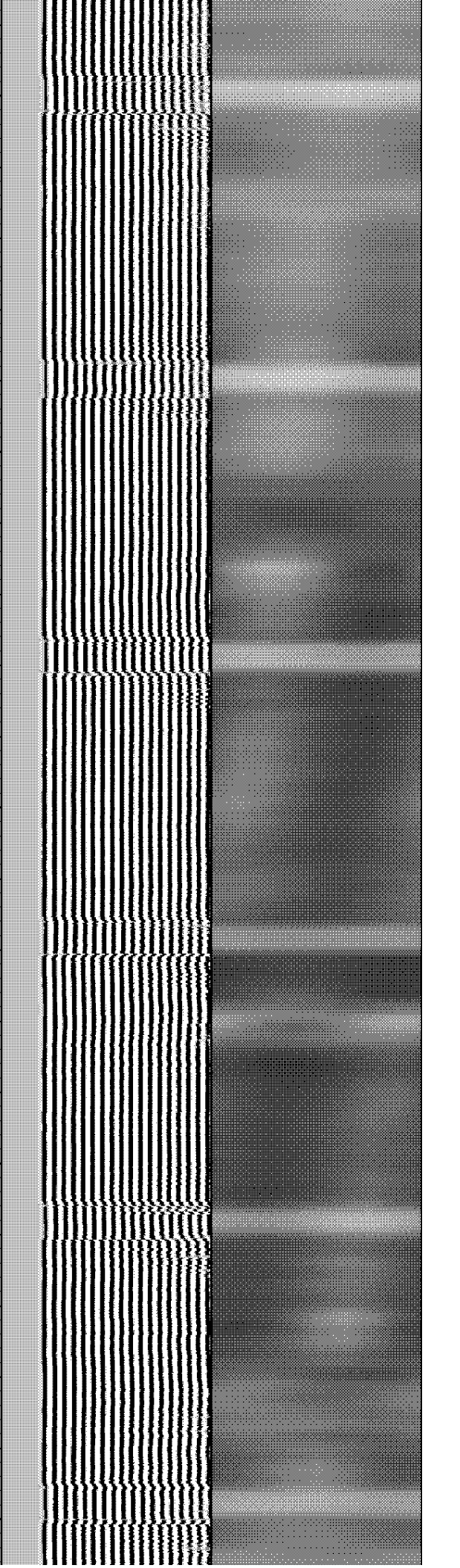
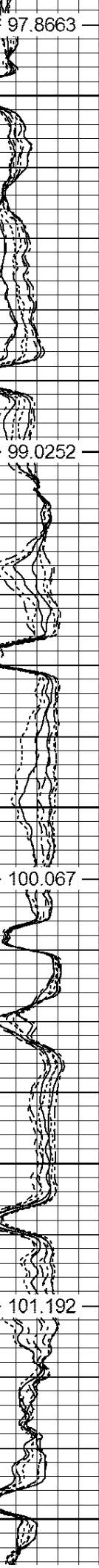
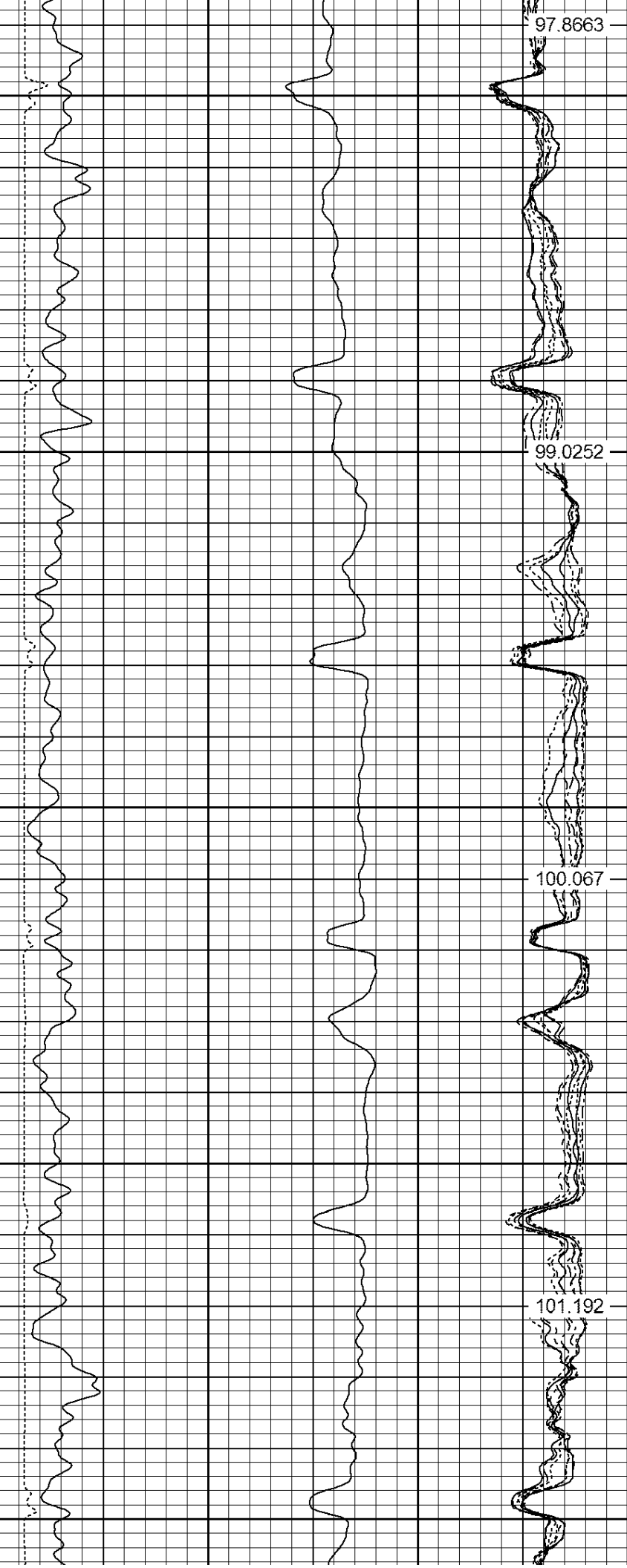
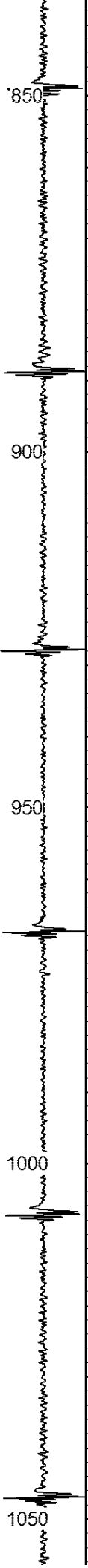
-9	CCL	5	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD			0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100
(ft/min)			200	GR (GAPI)	400				0	AMPS4	100						
0		250							0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100						
										IntTemp							
										(degF)							

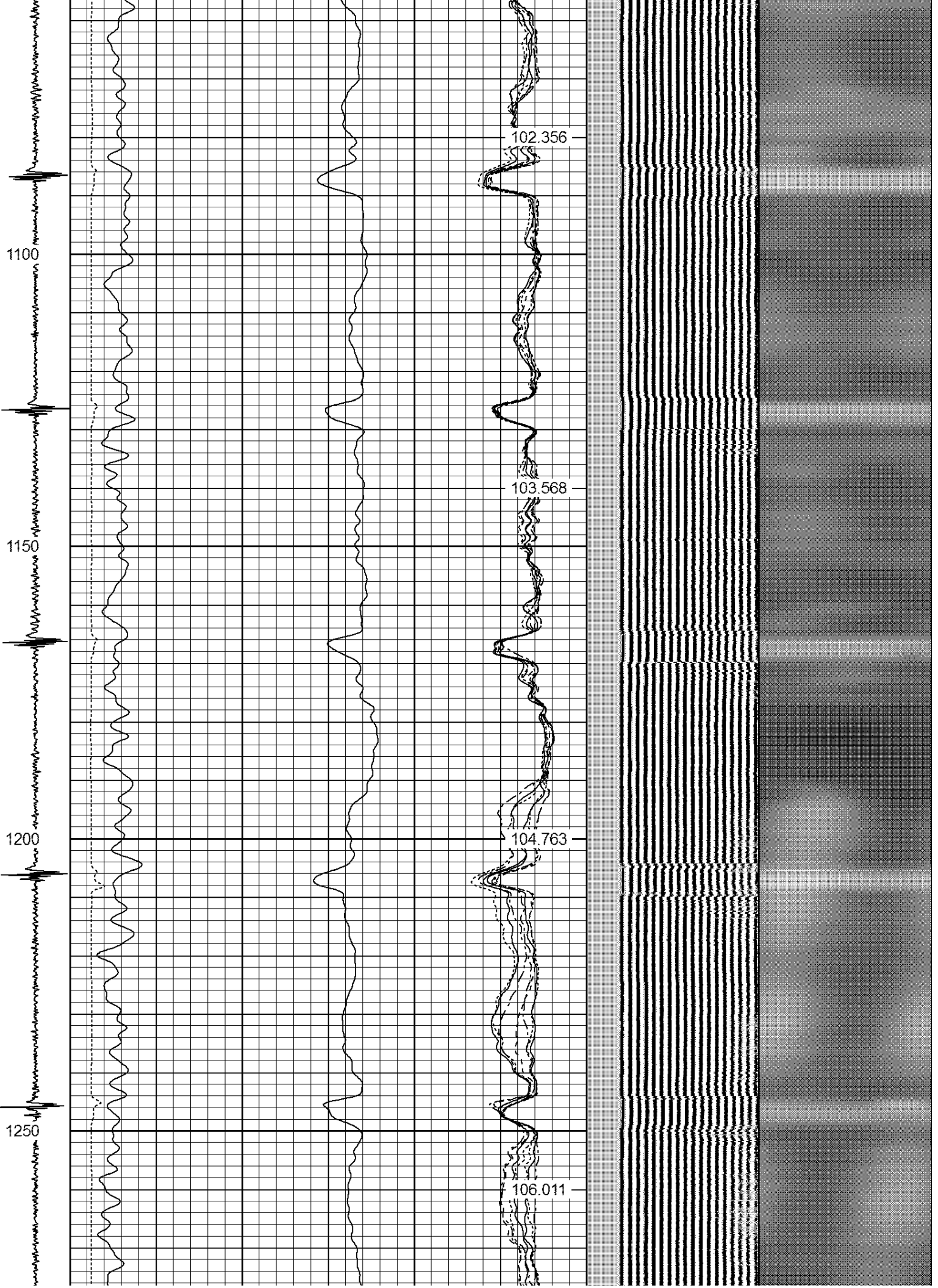


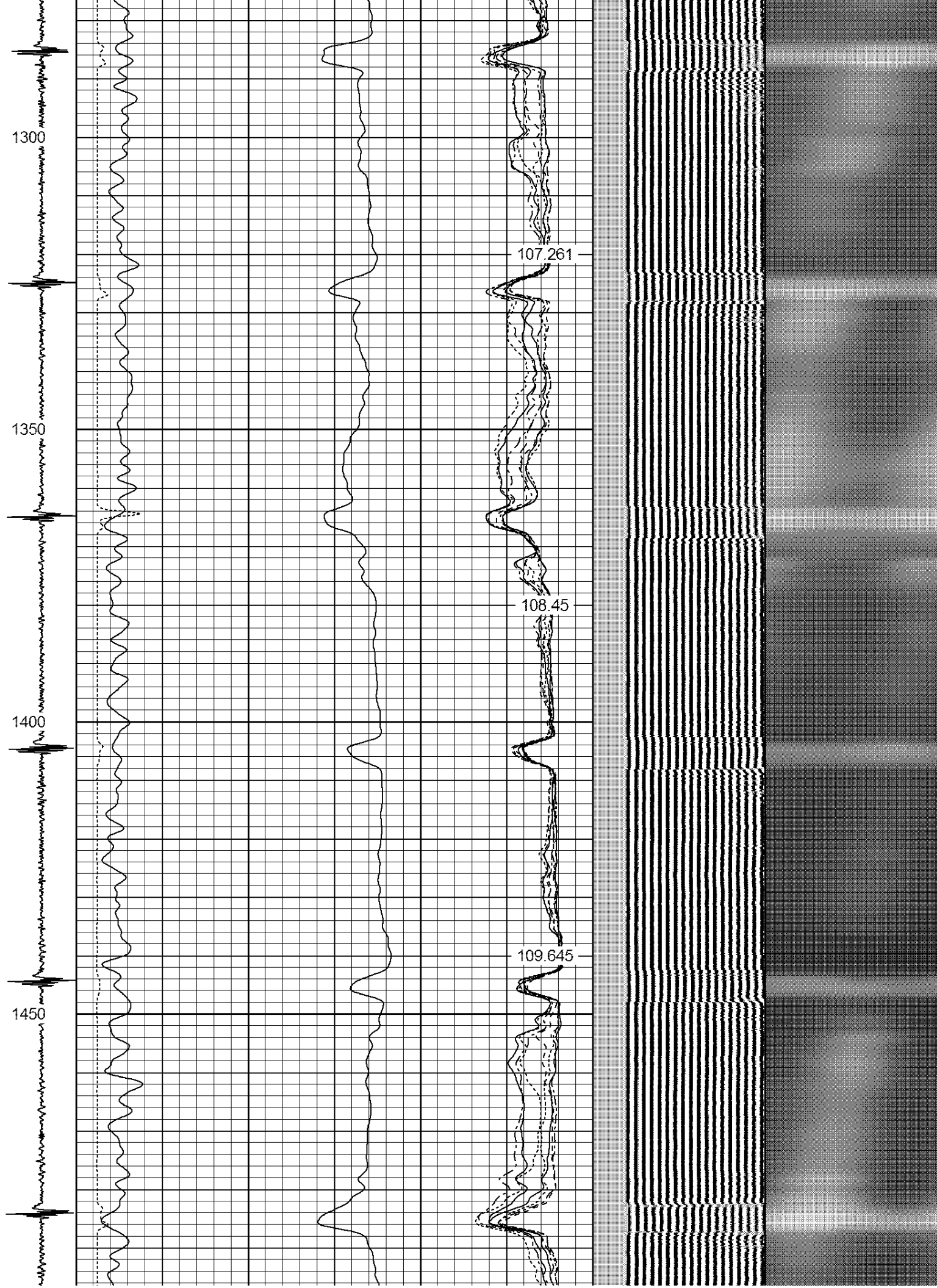


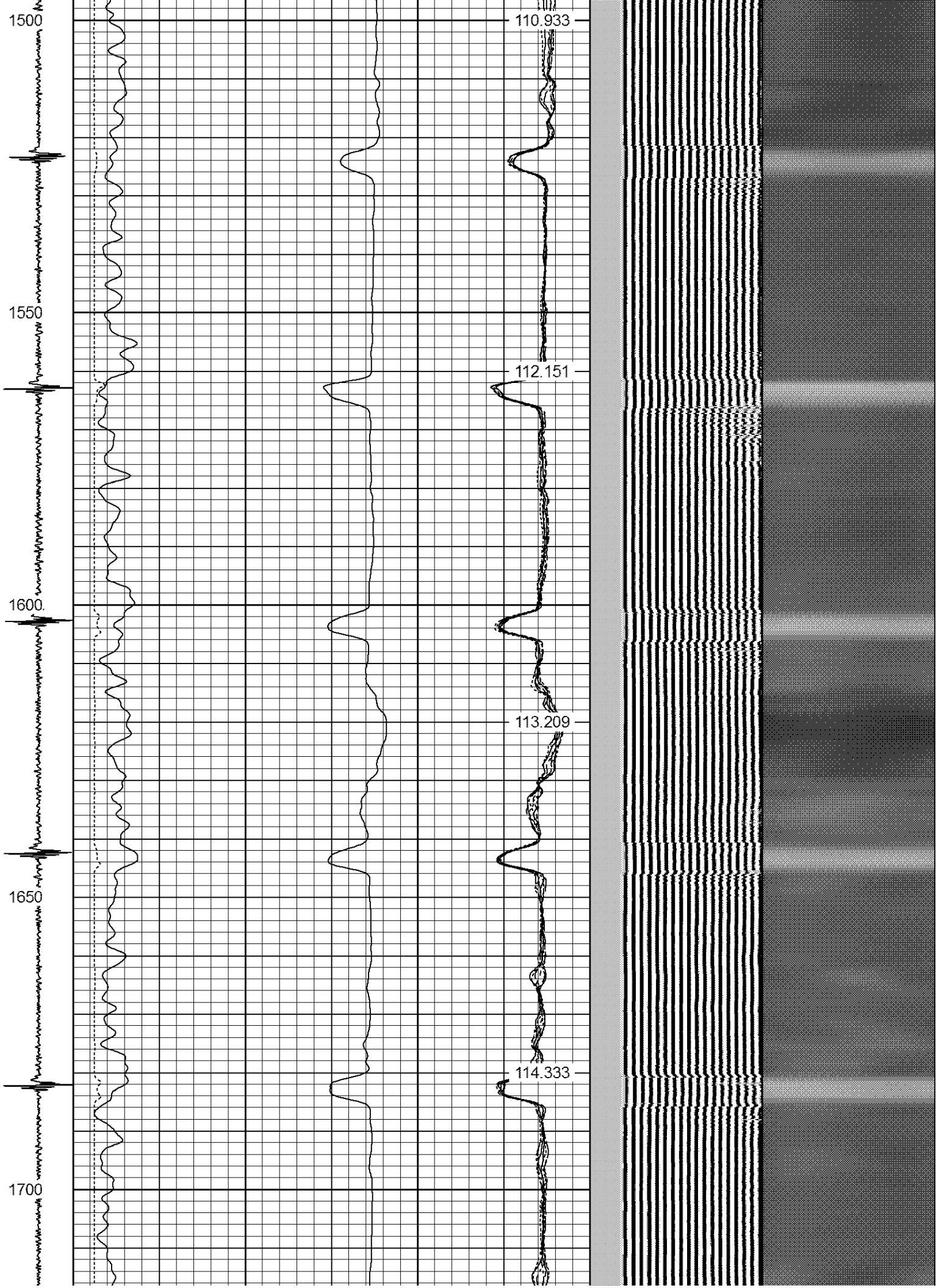


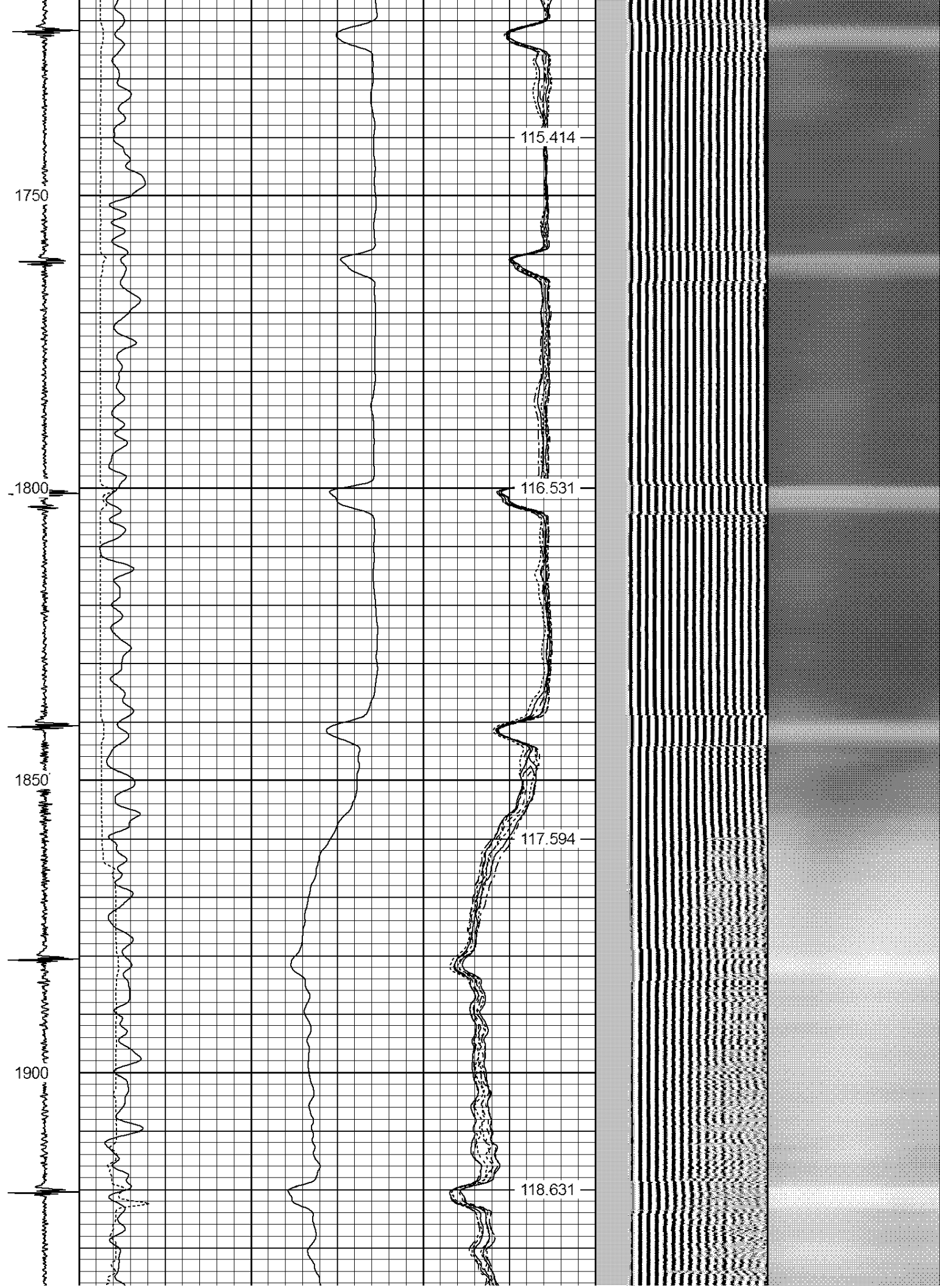


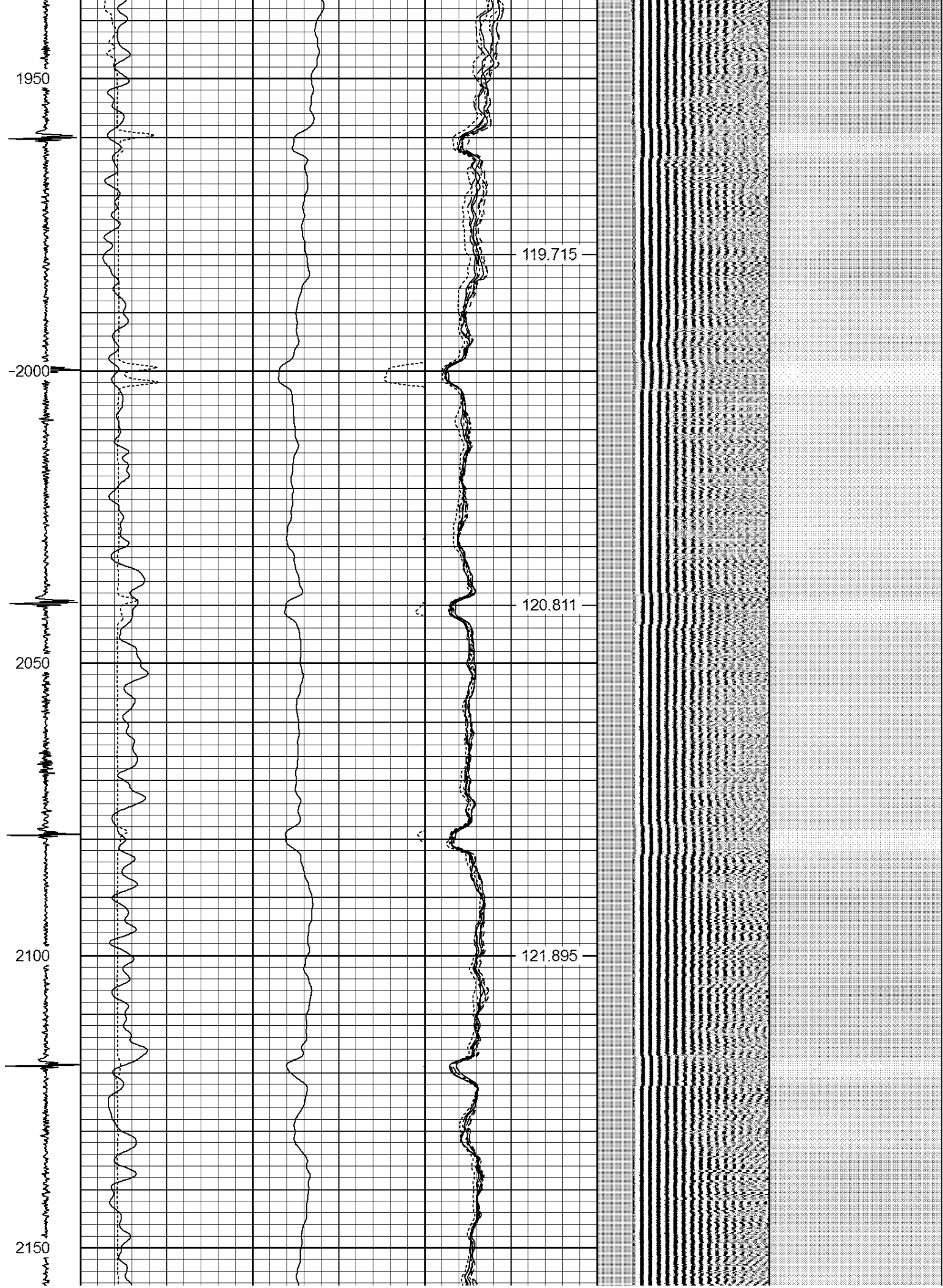


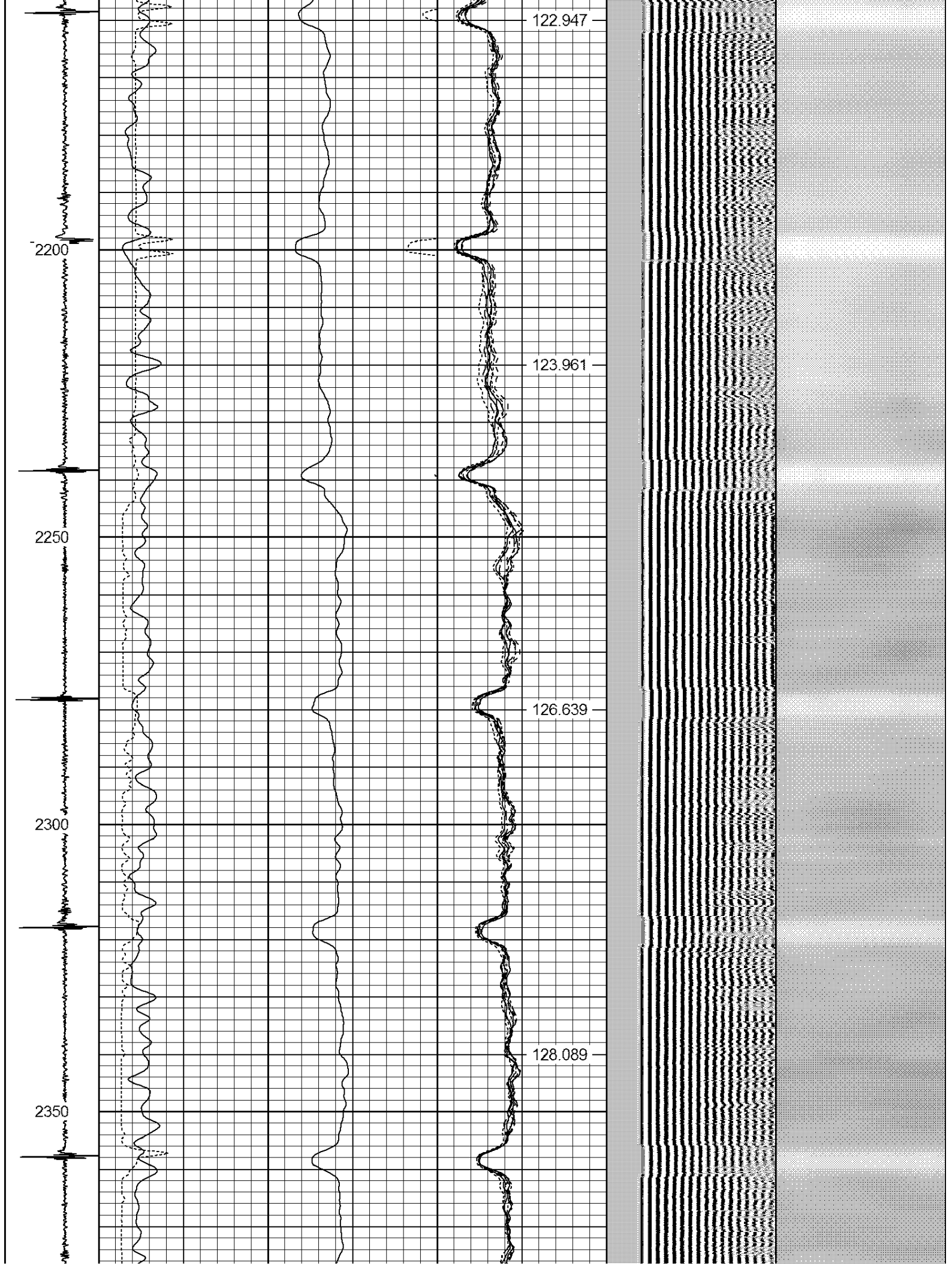


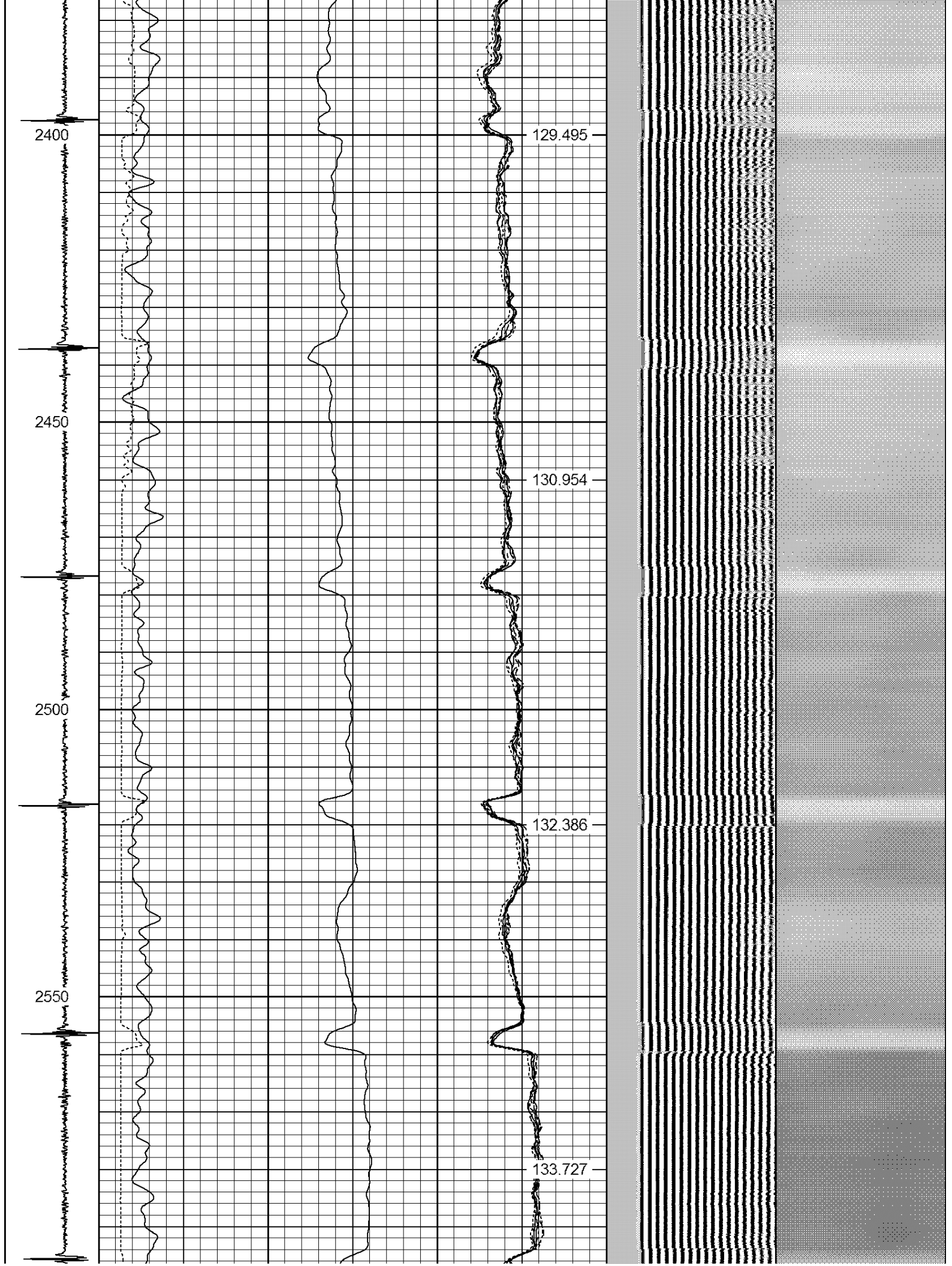


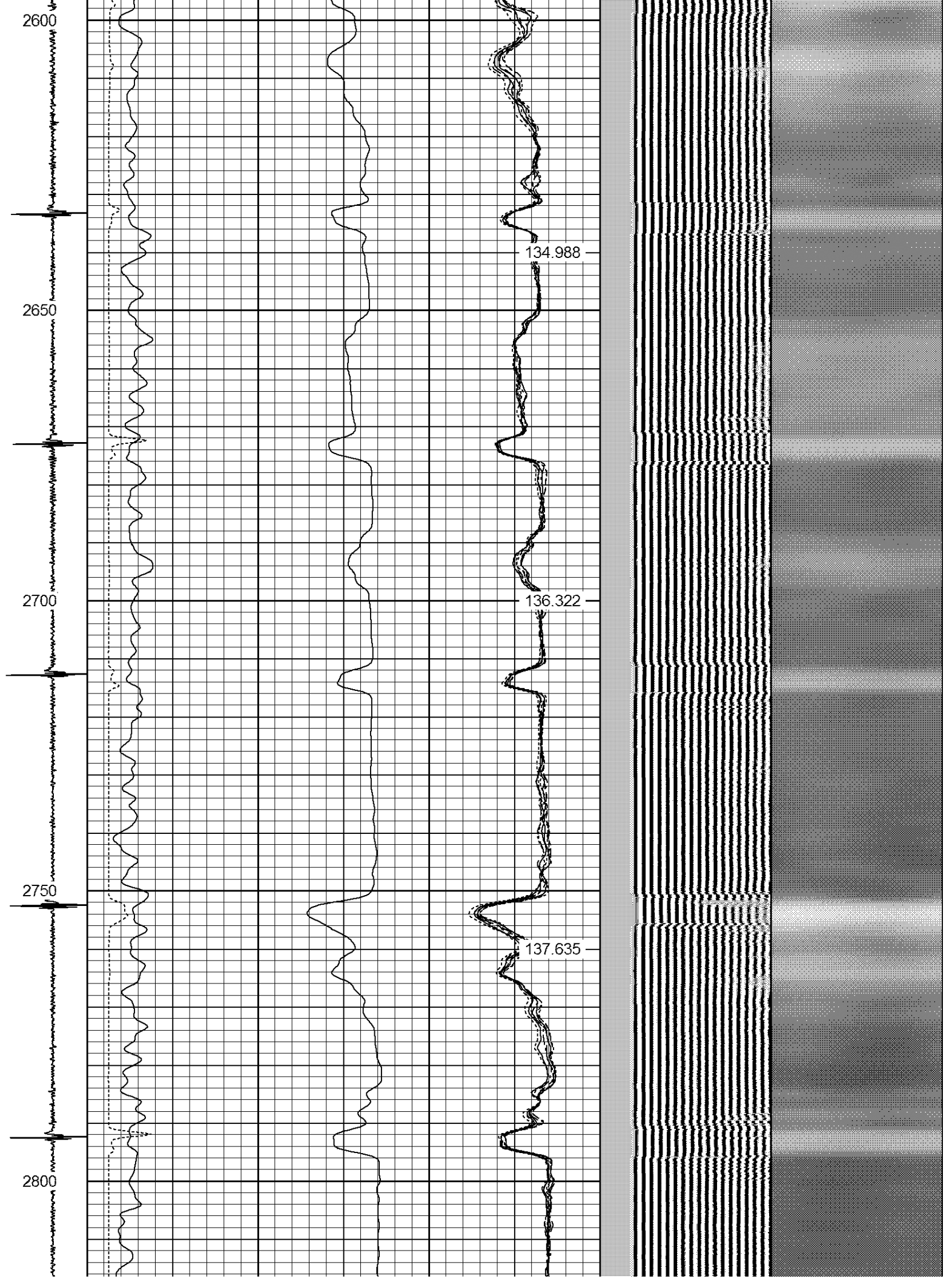


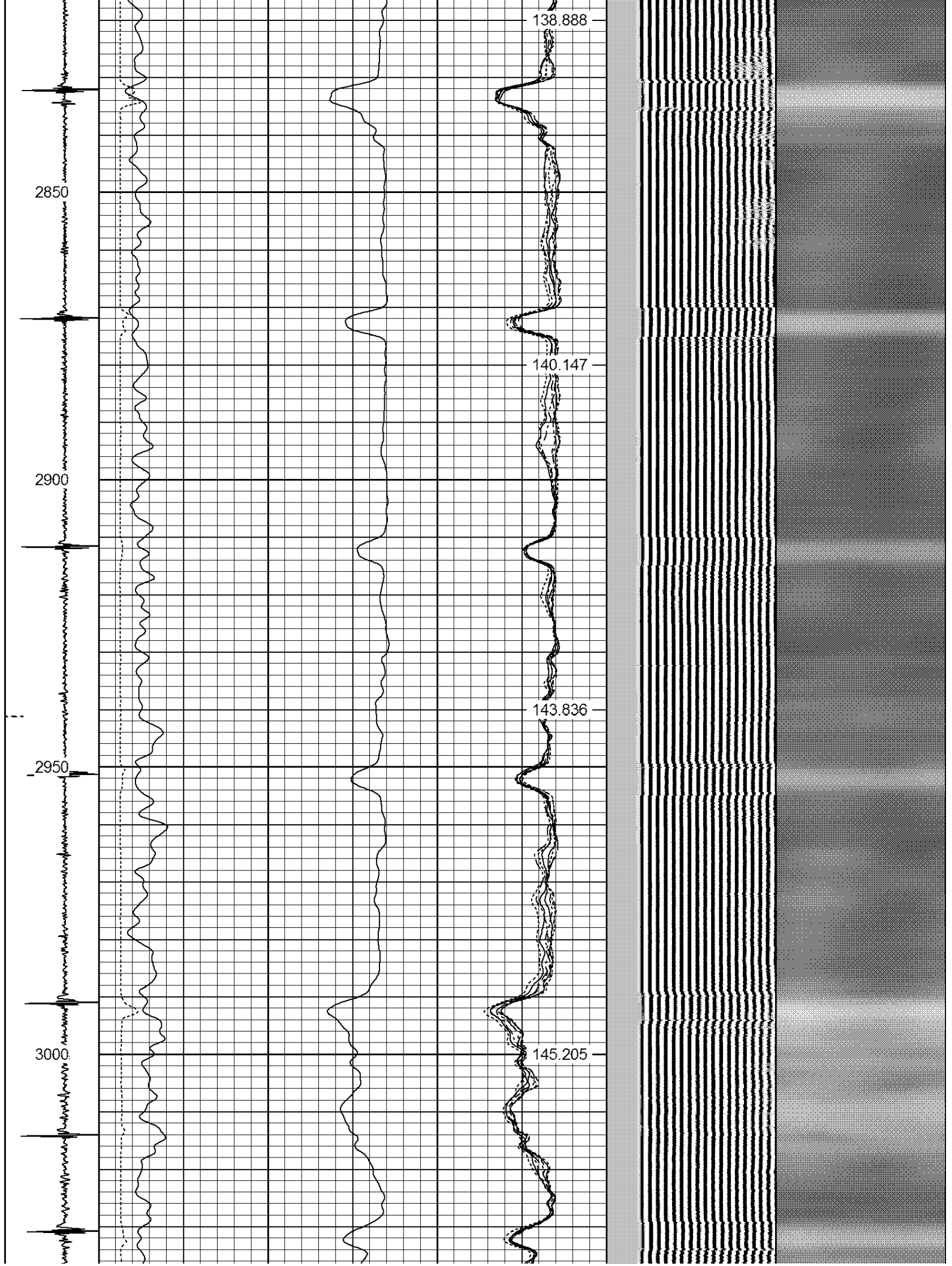


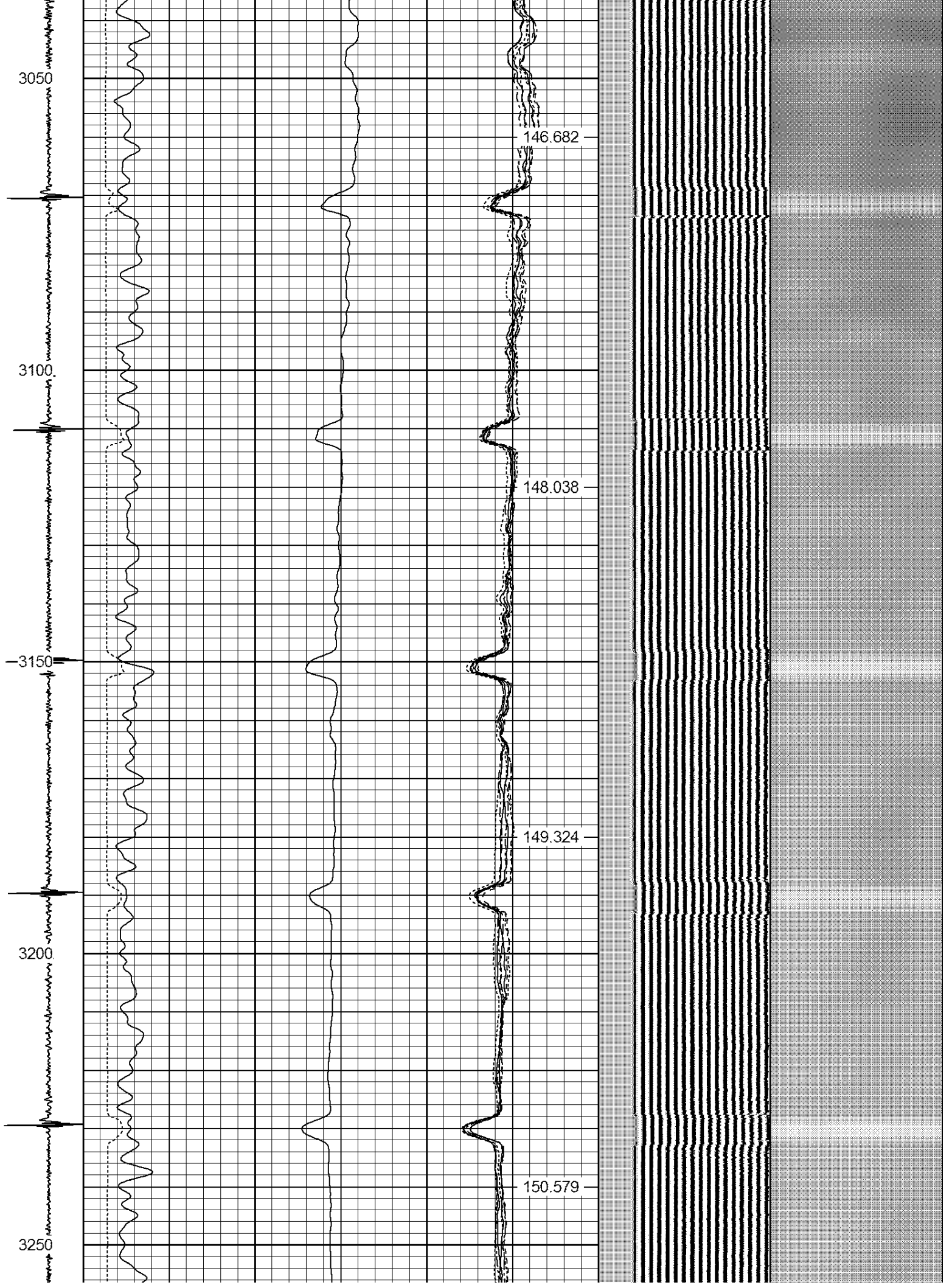


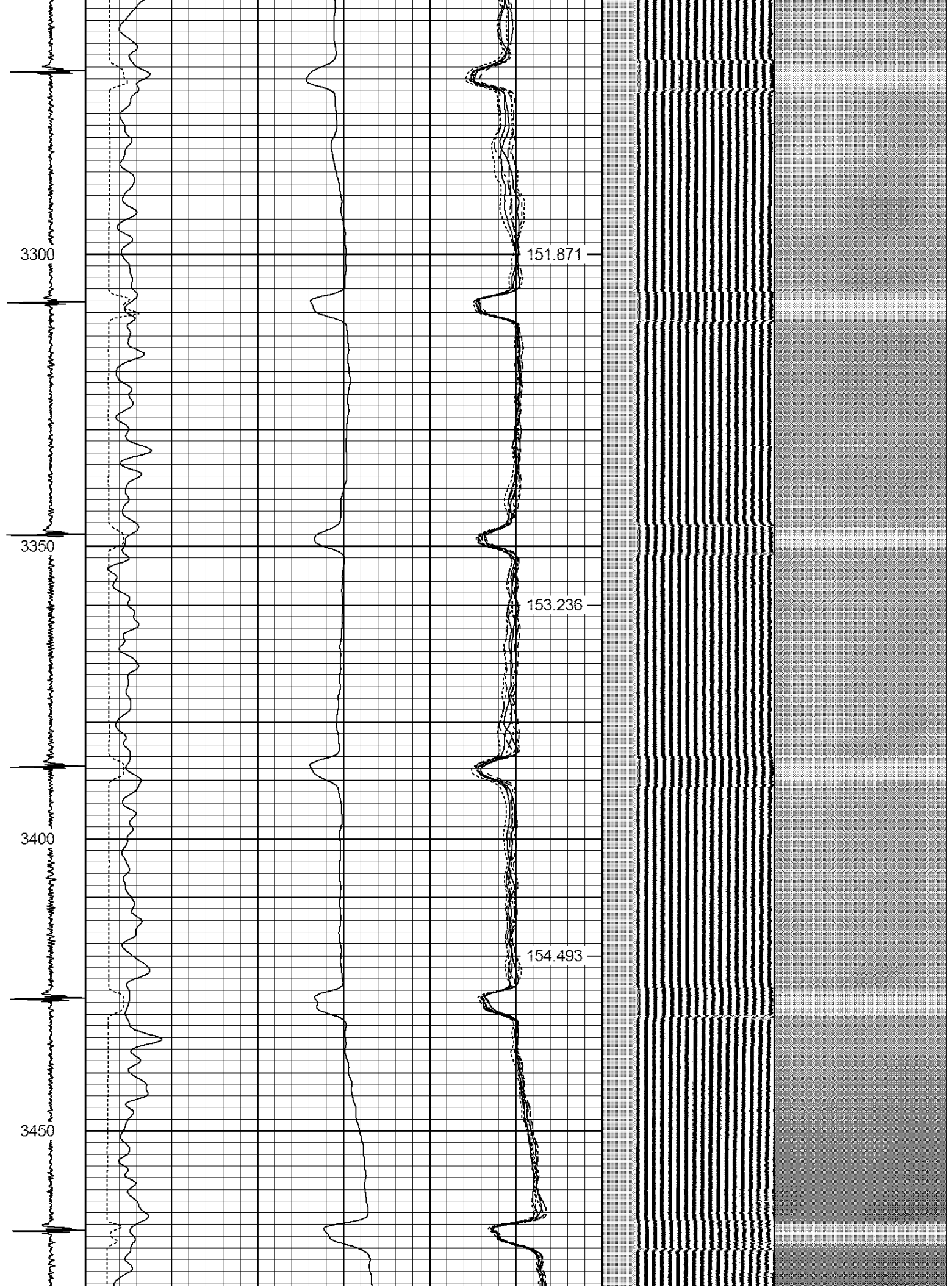


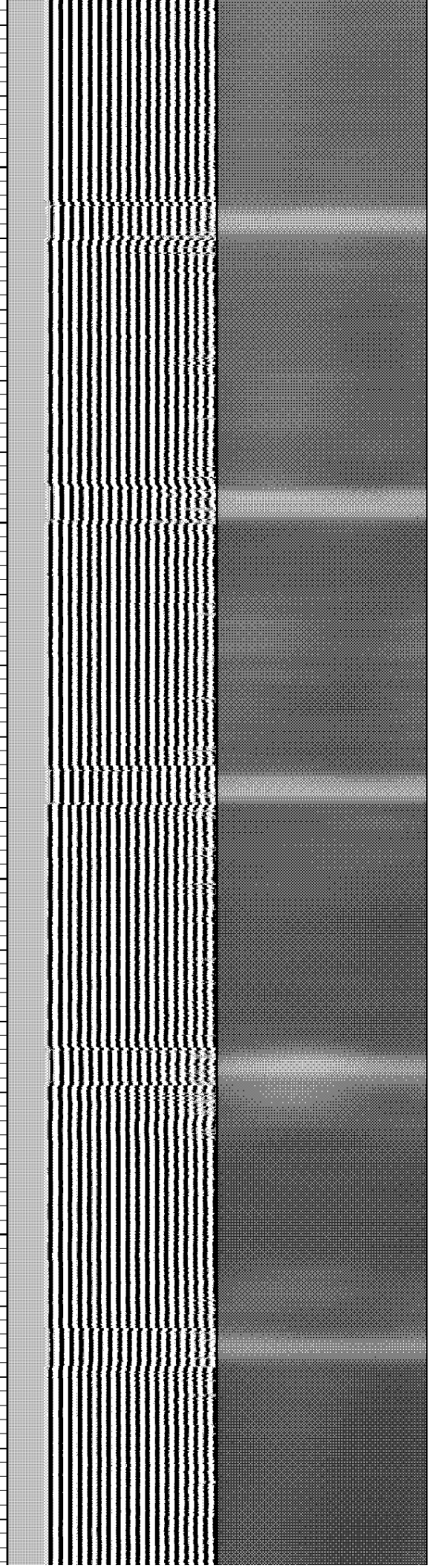
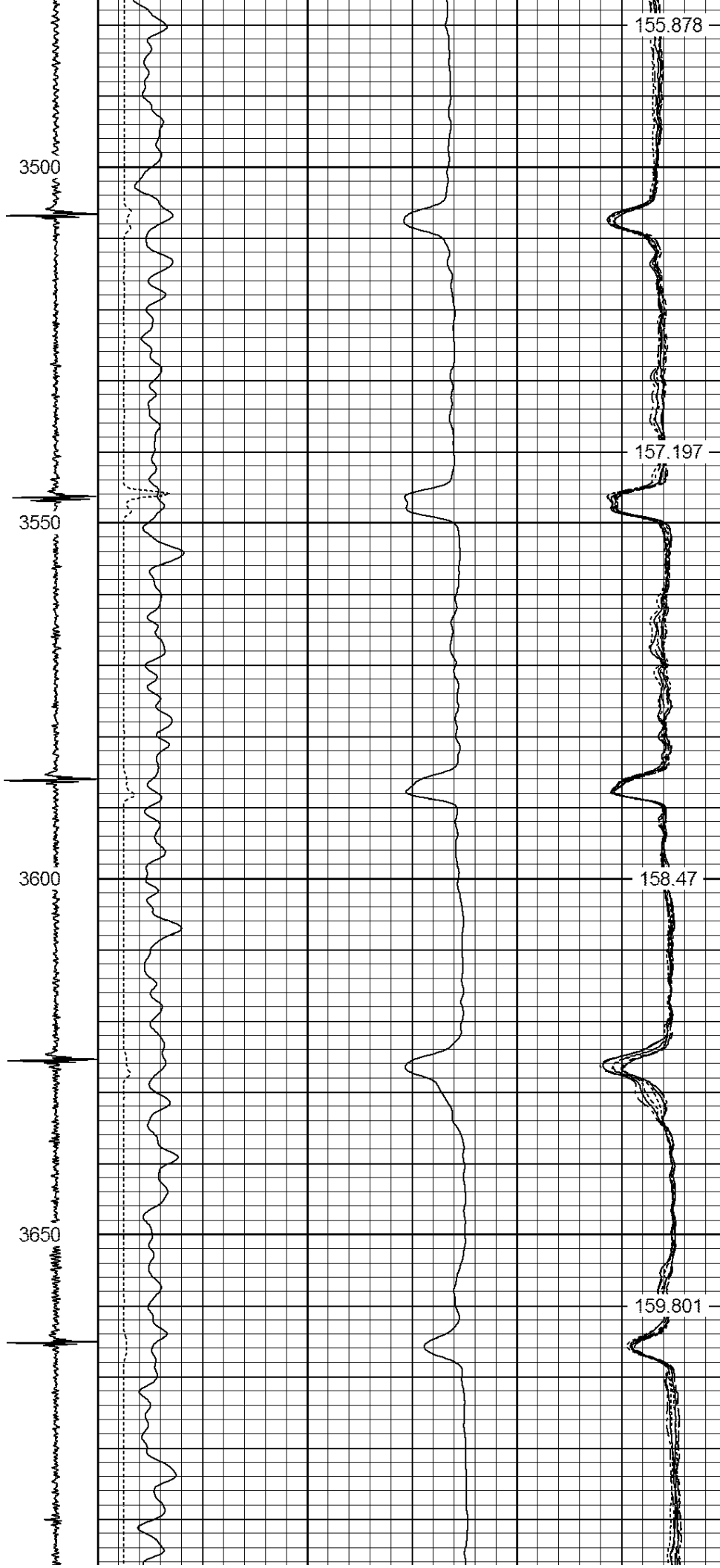


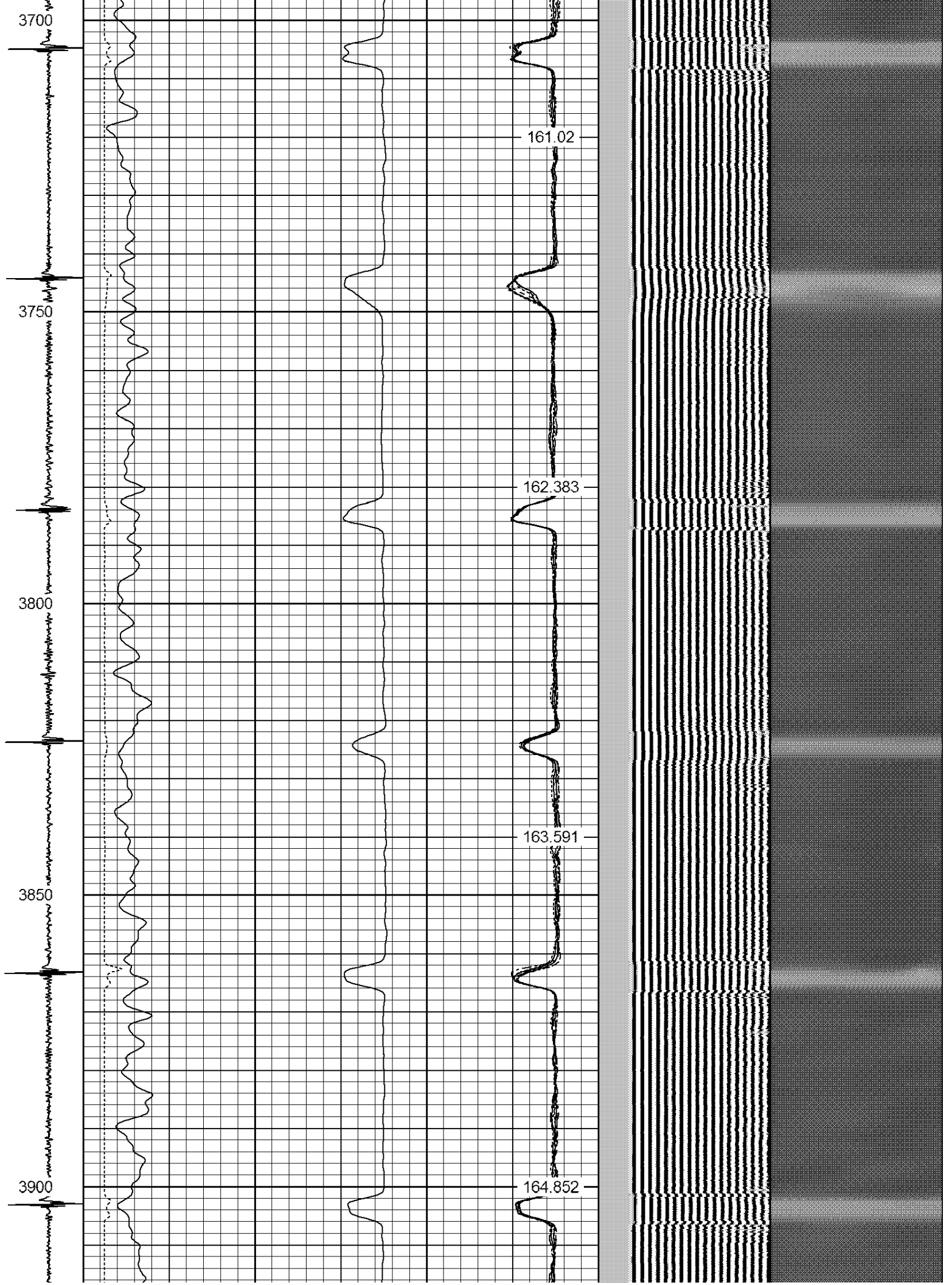


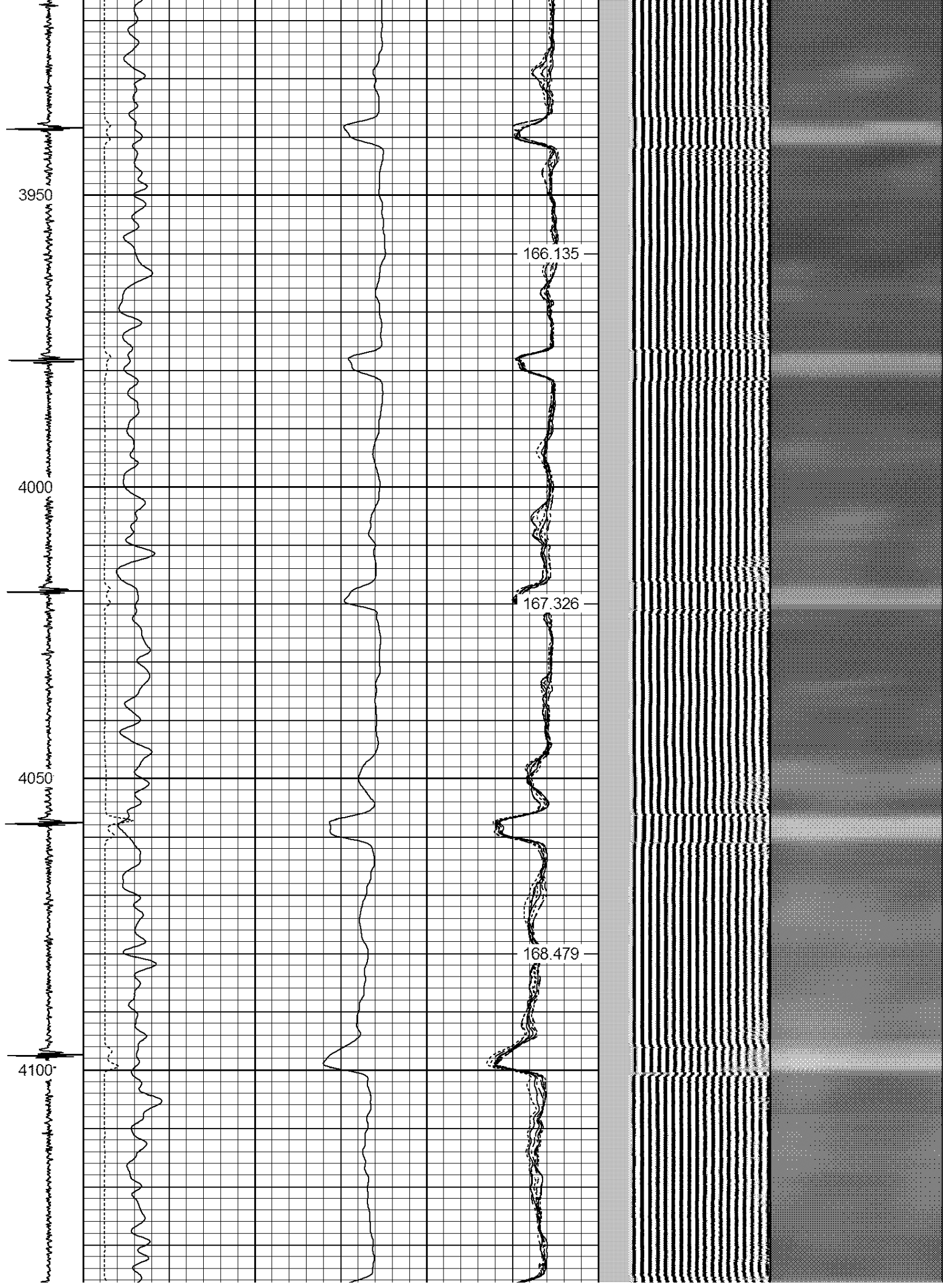


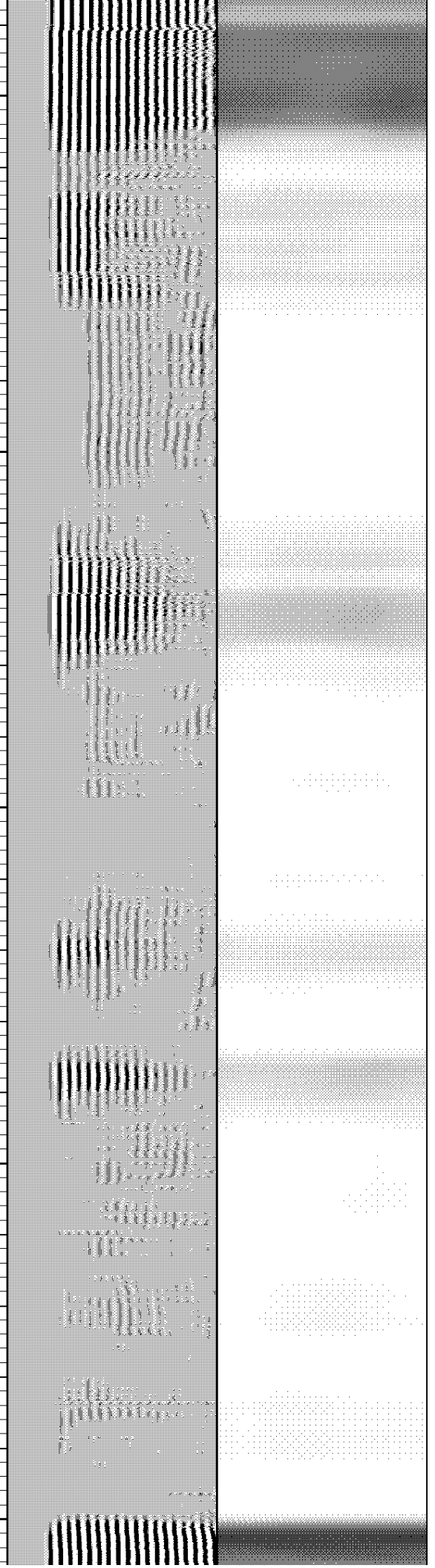
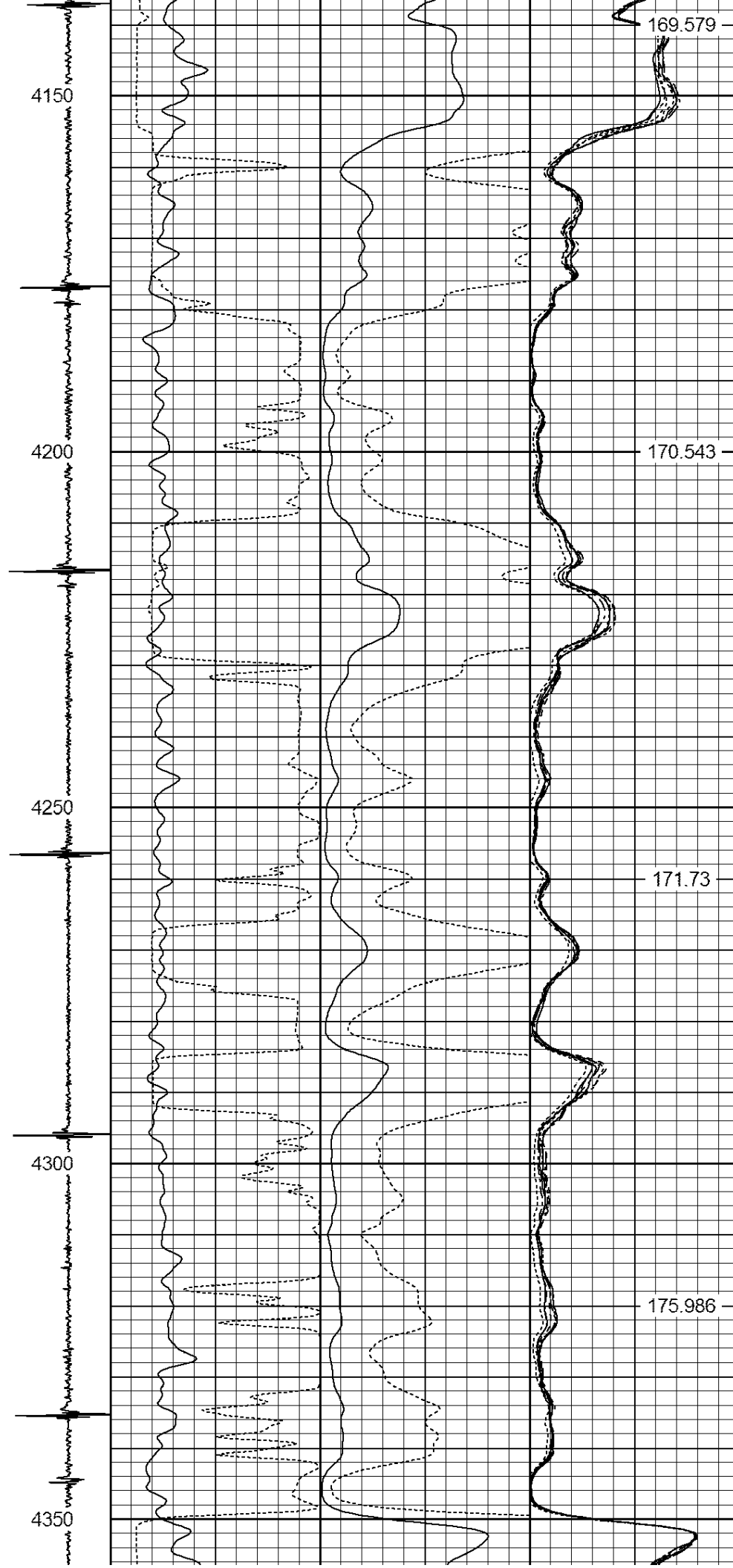


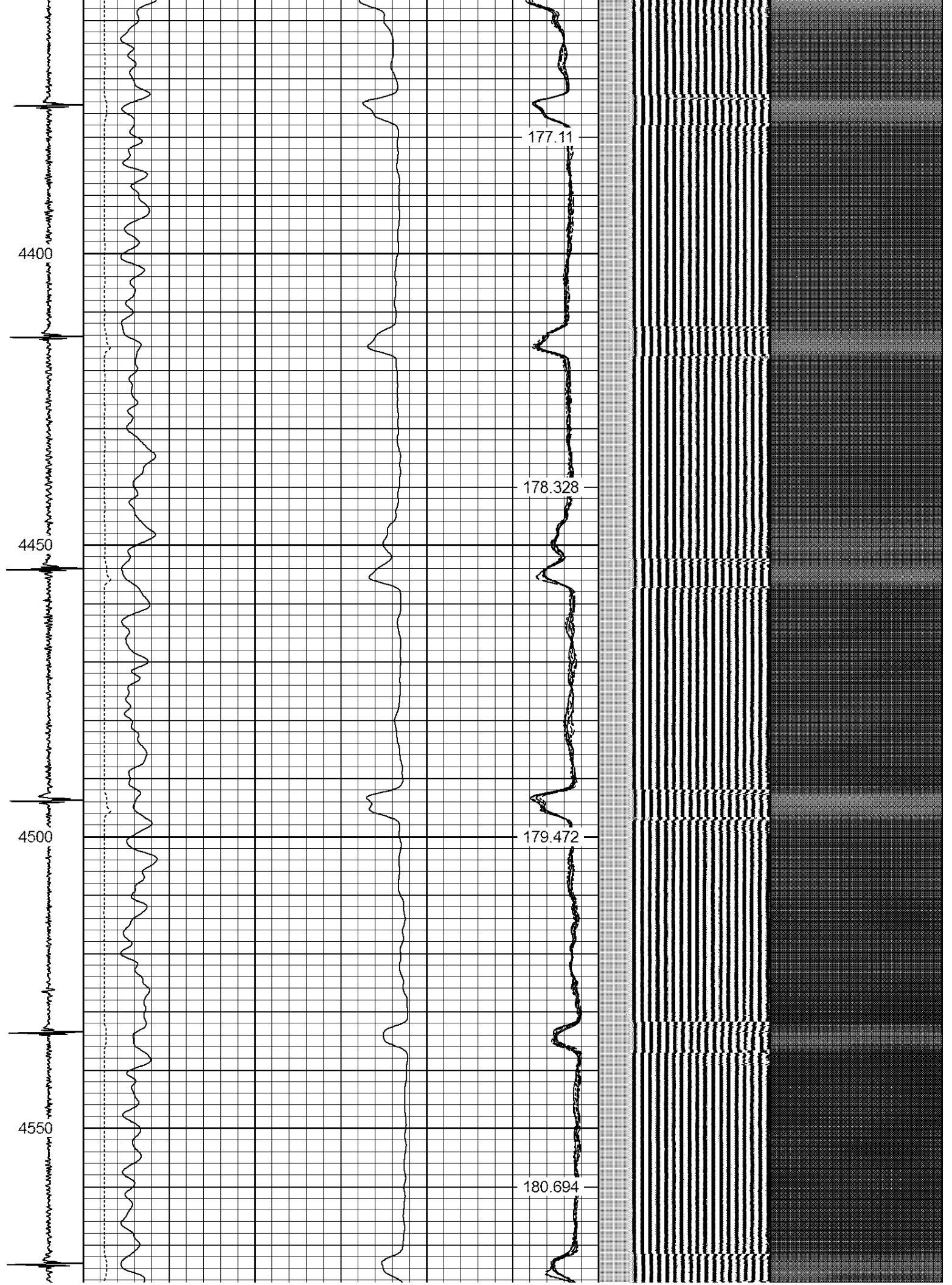


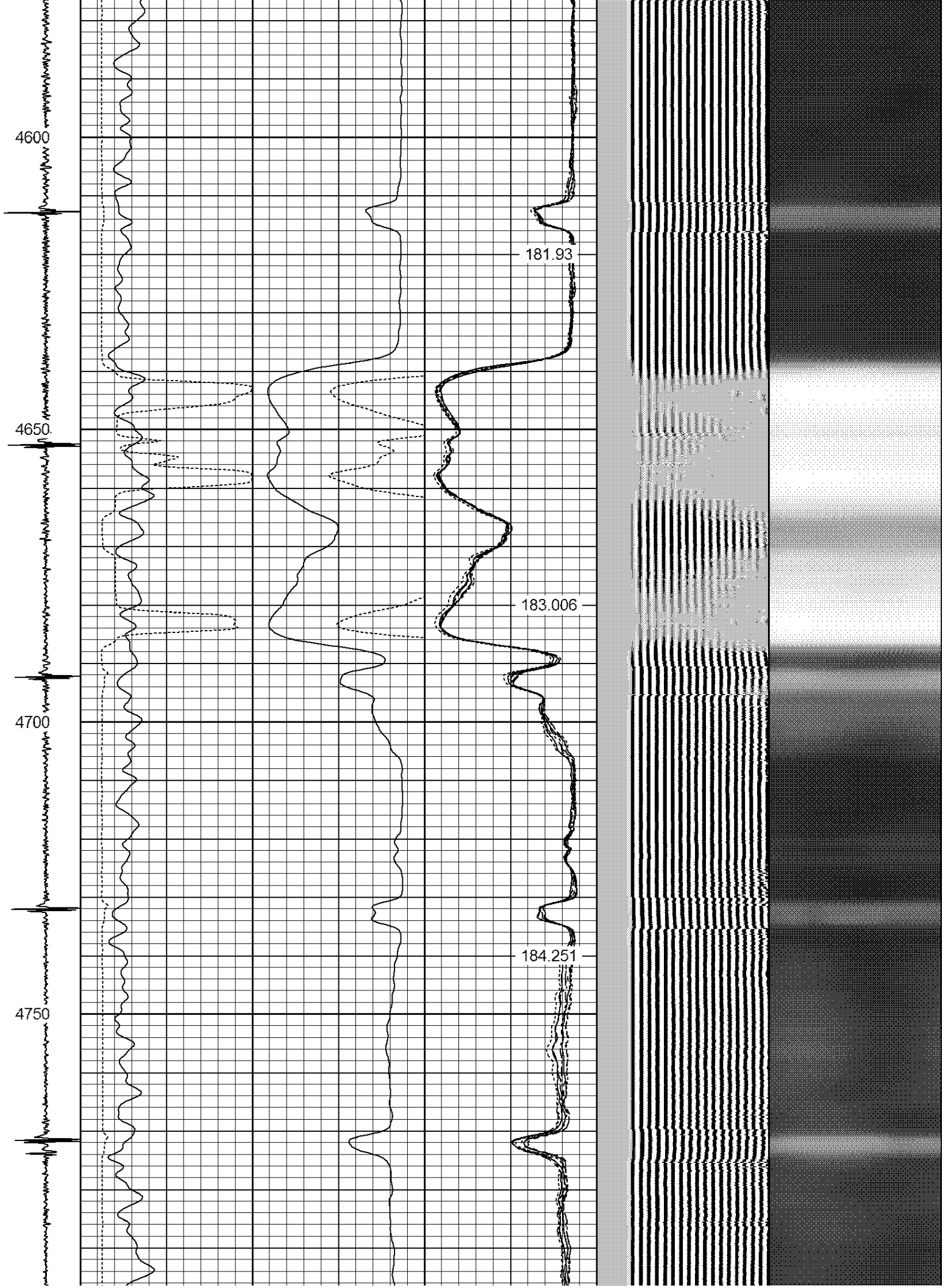


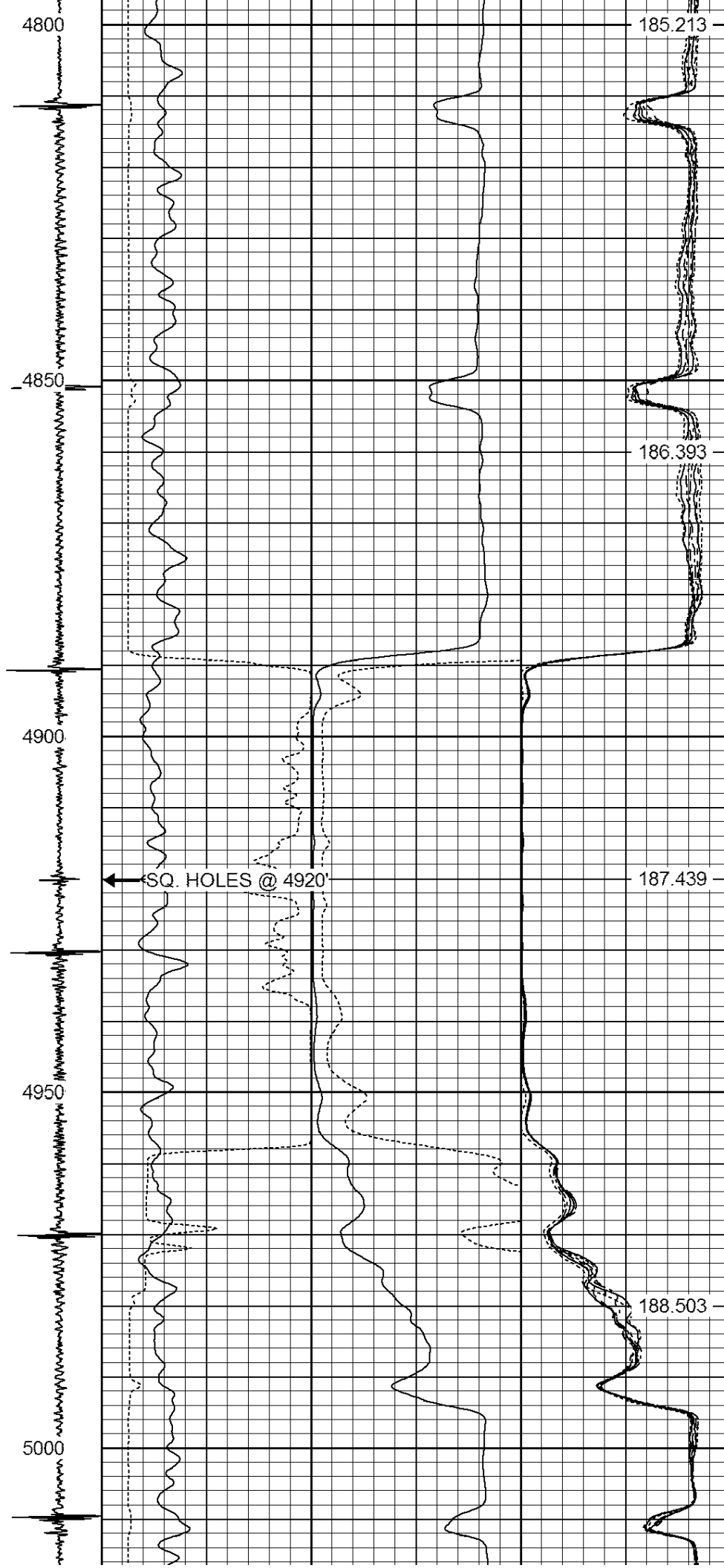


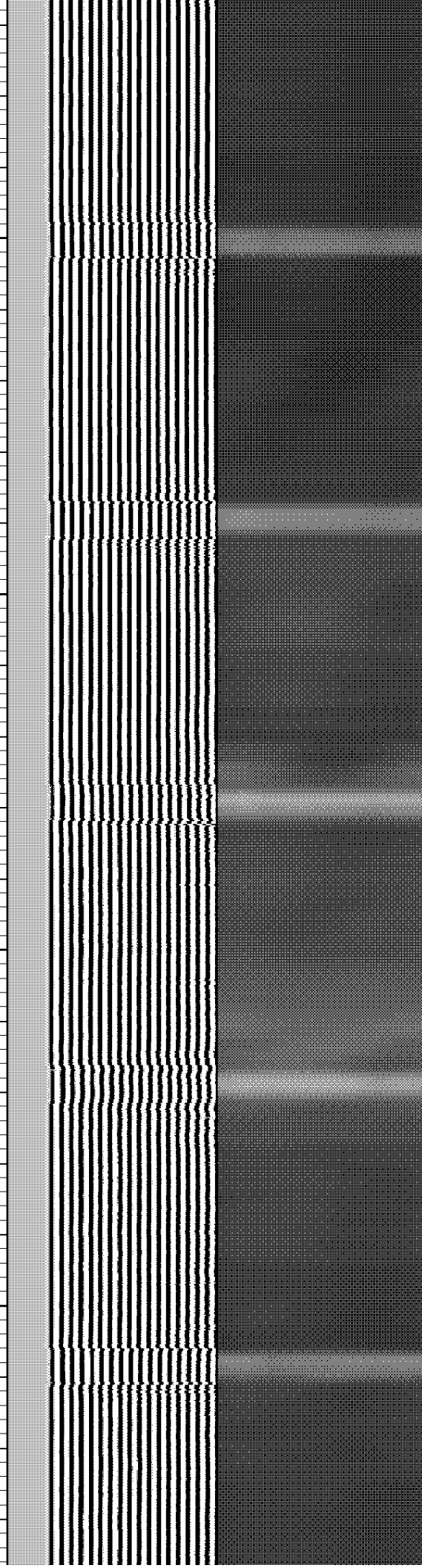
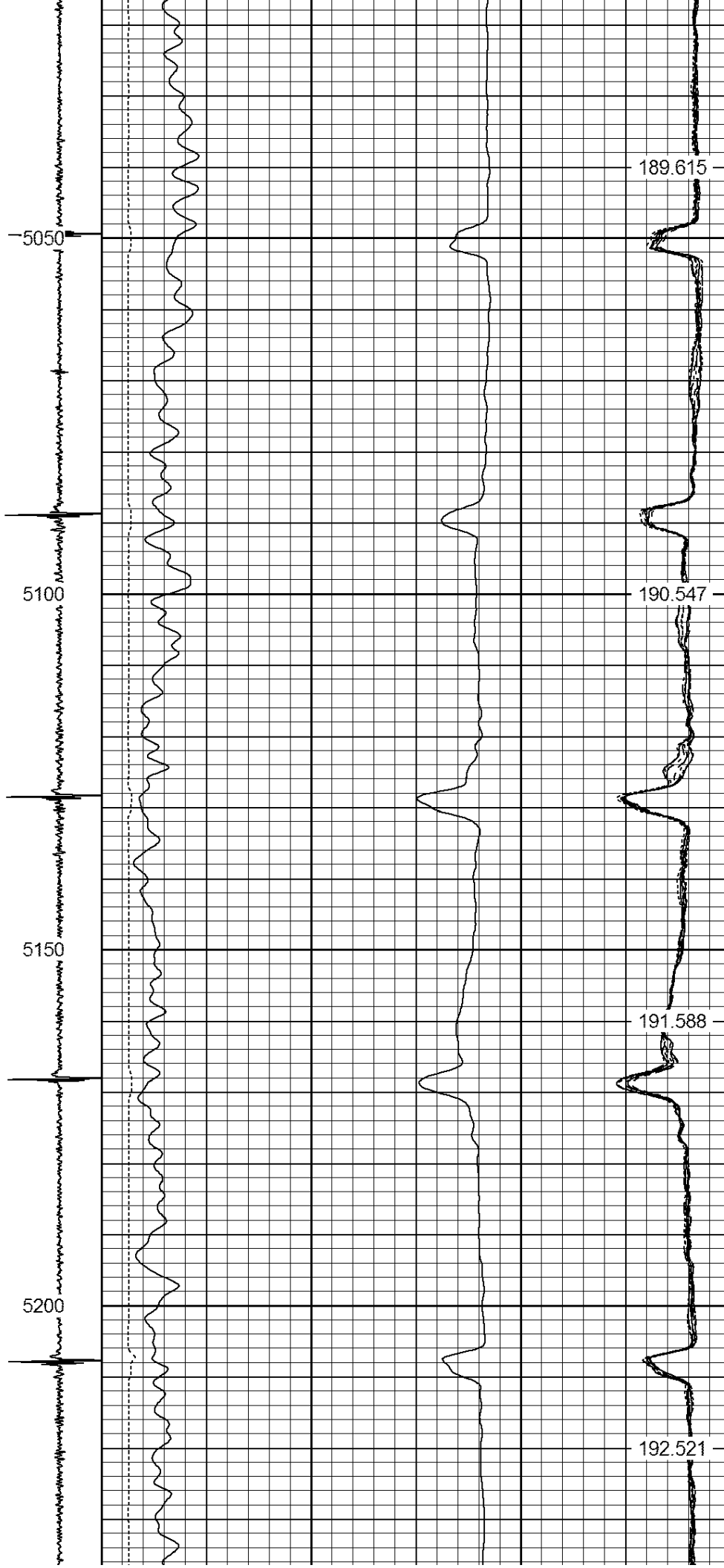


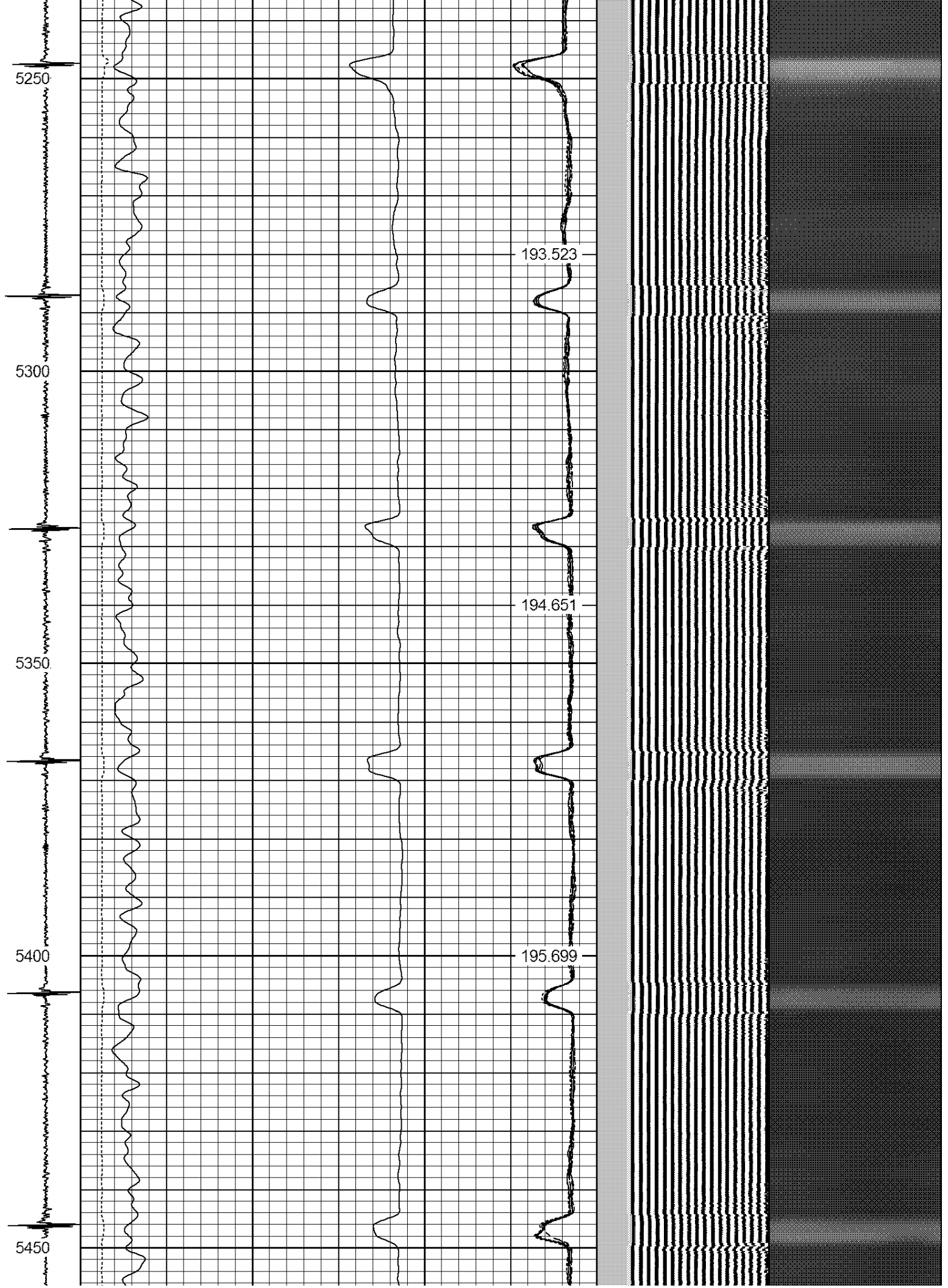


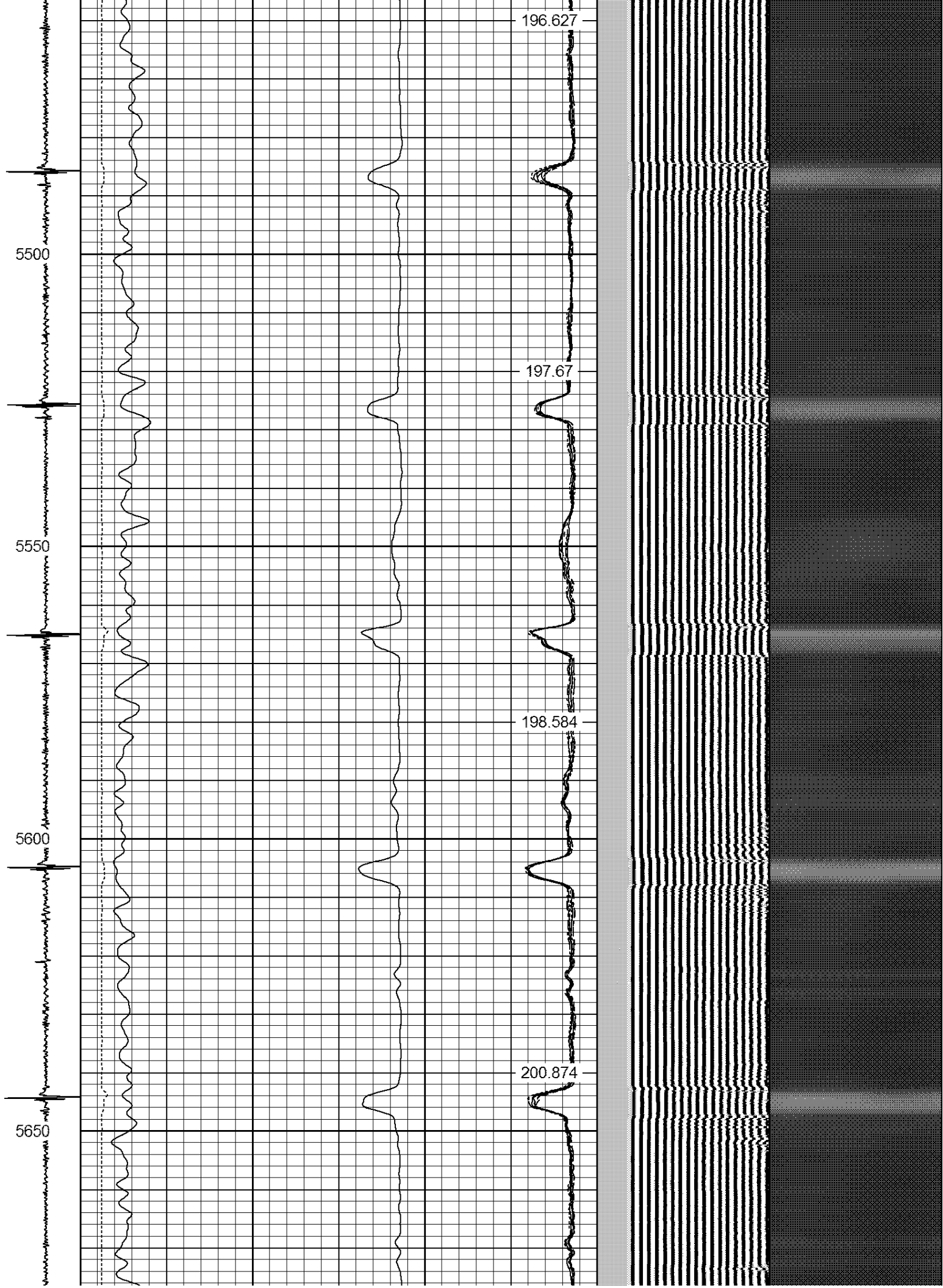


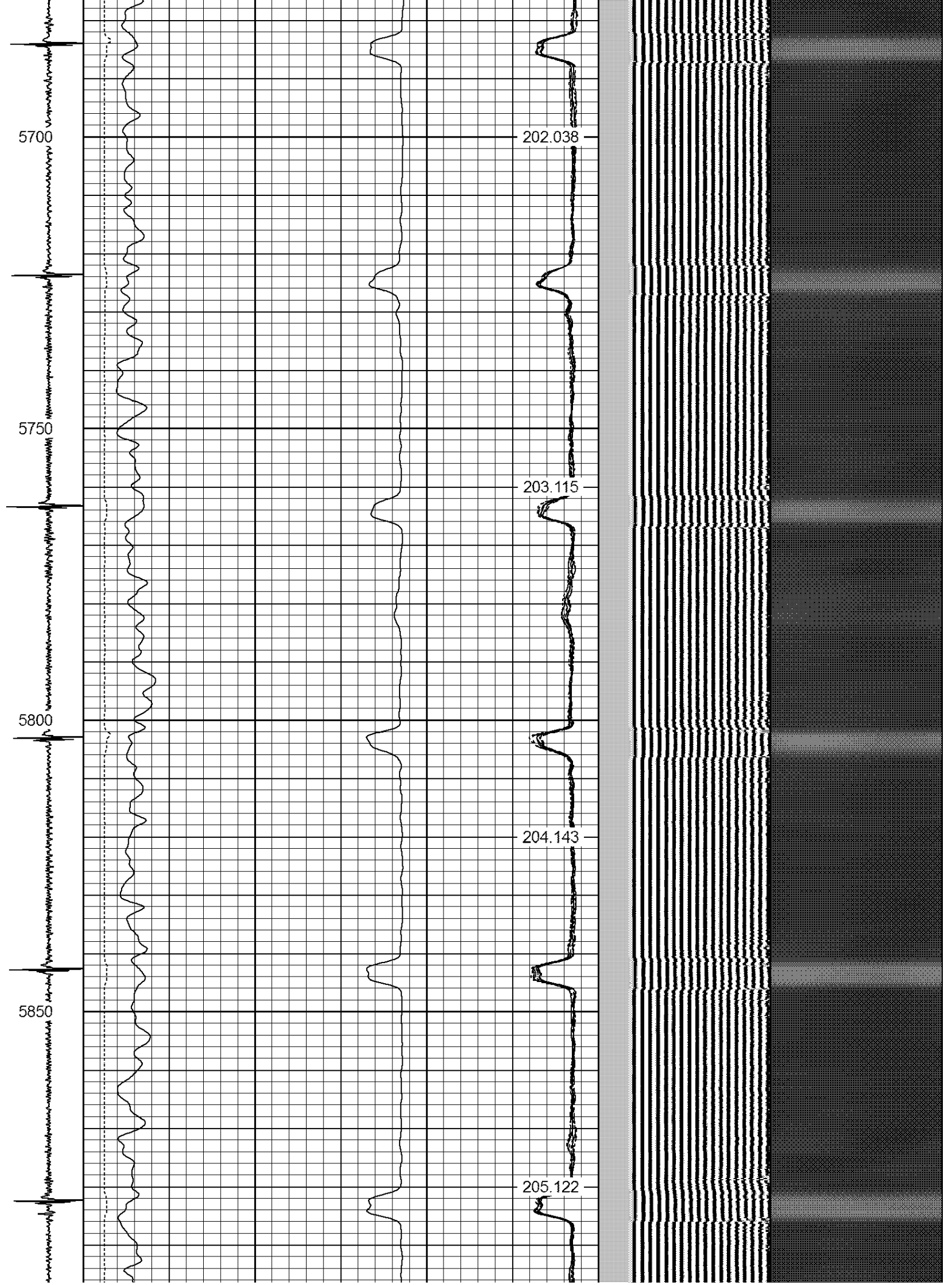


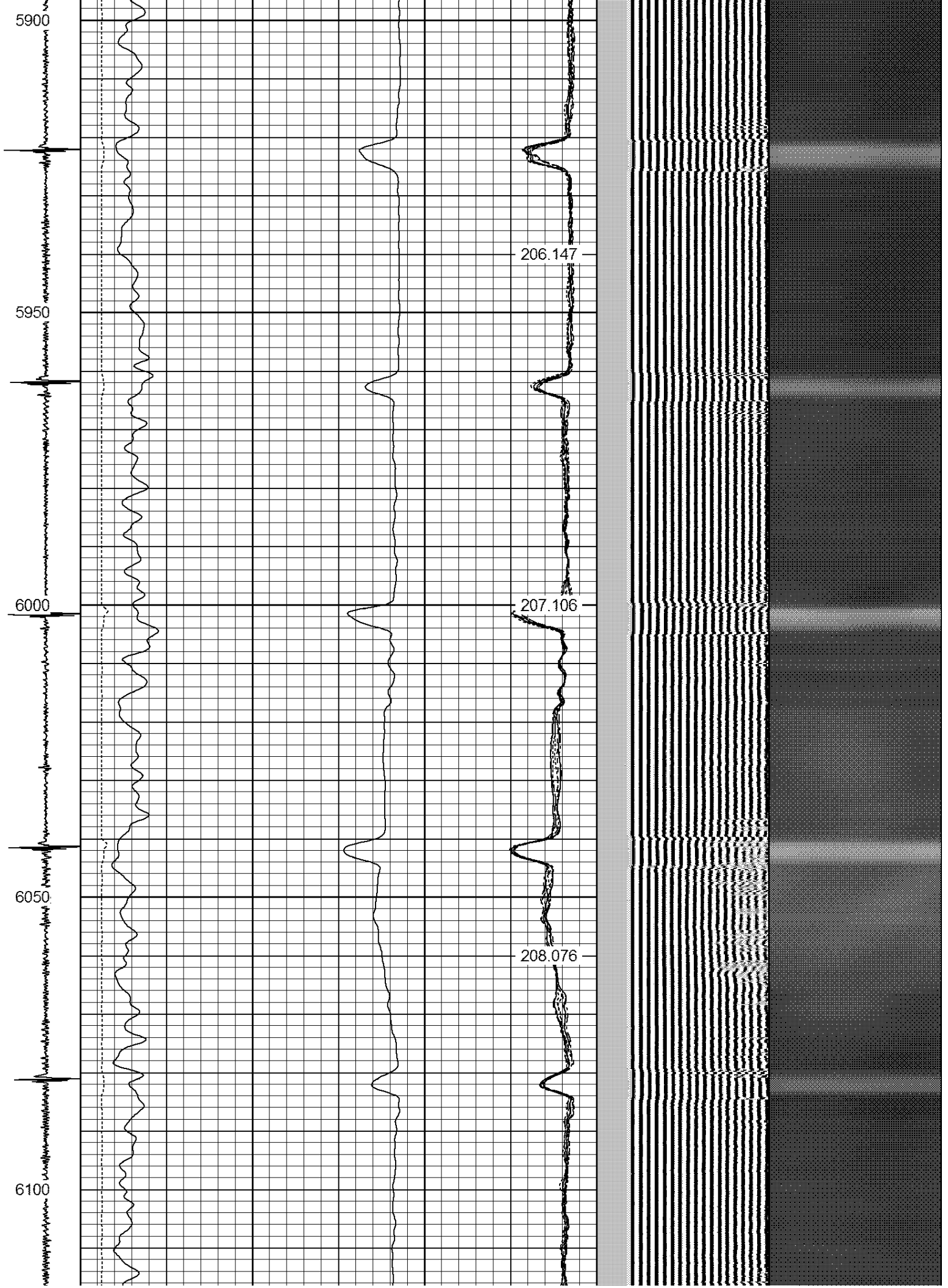


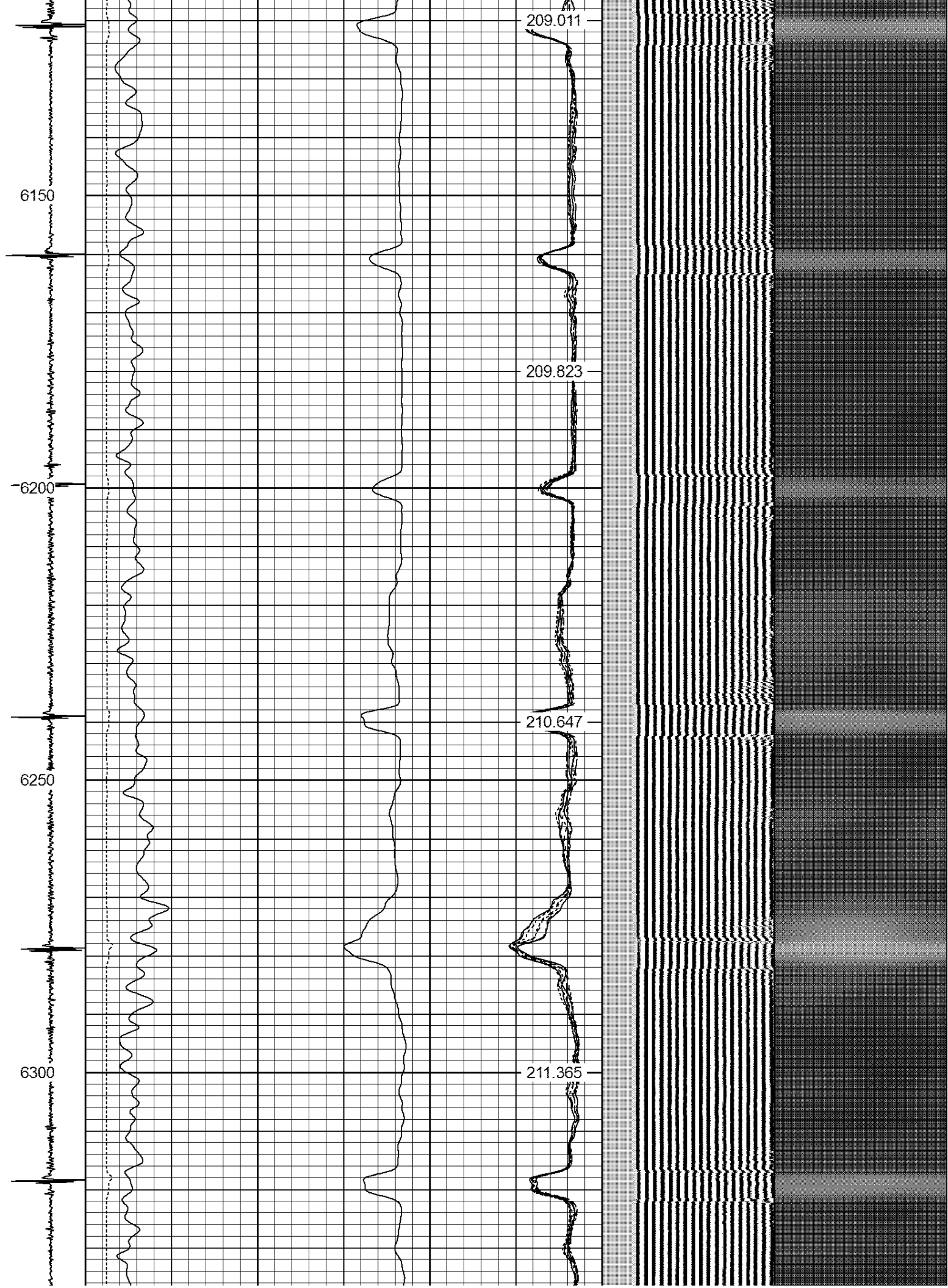


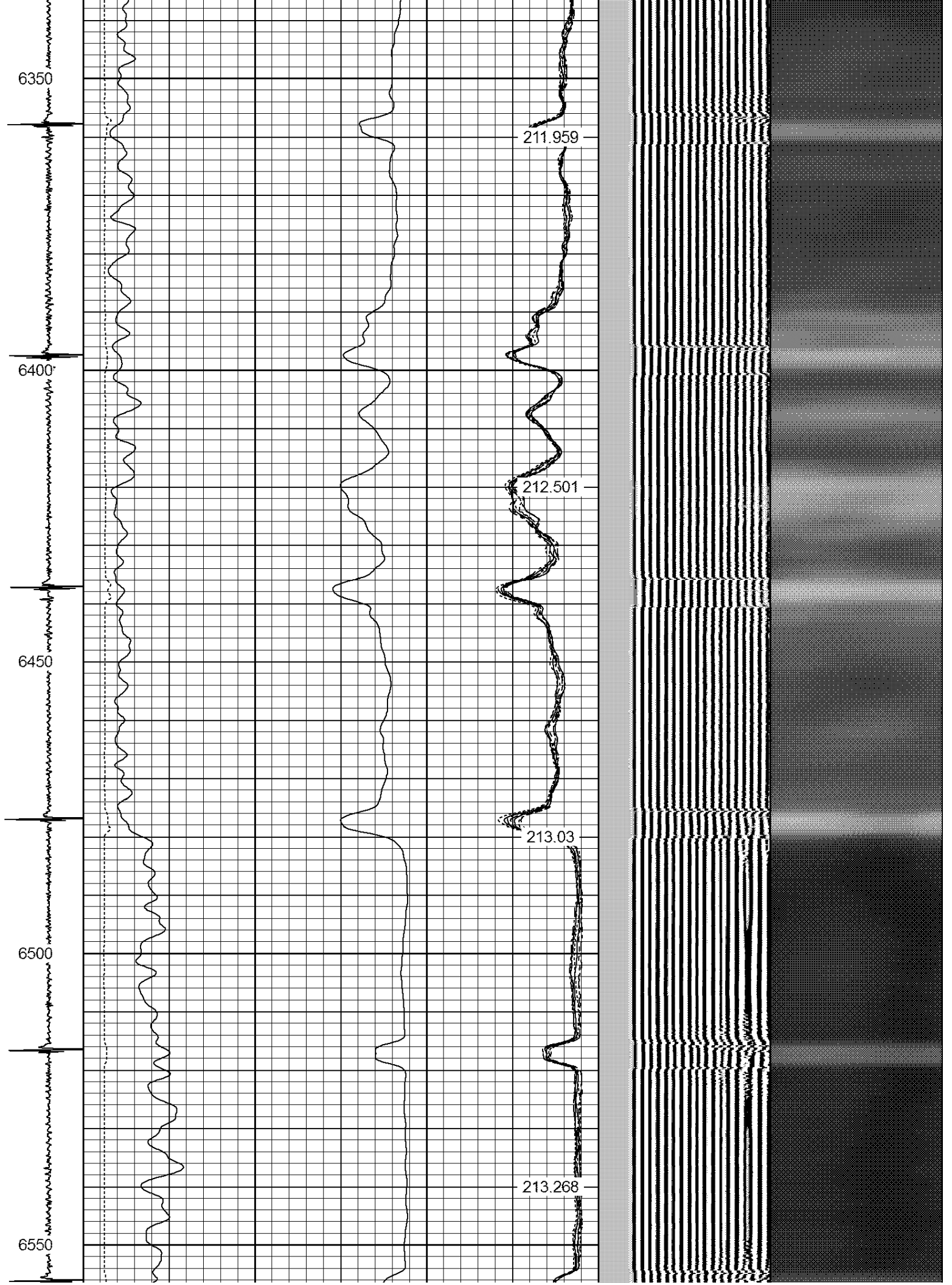


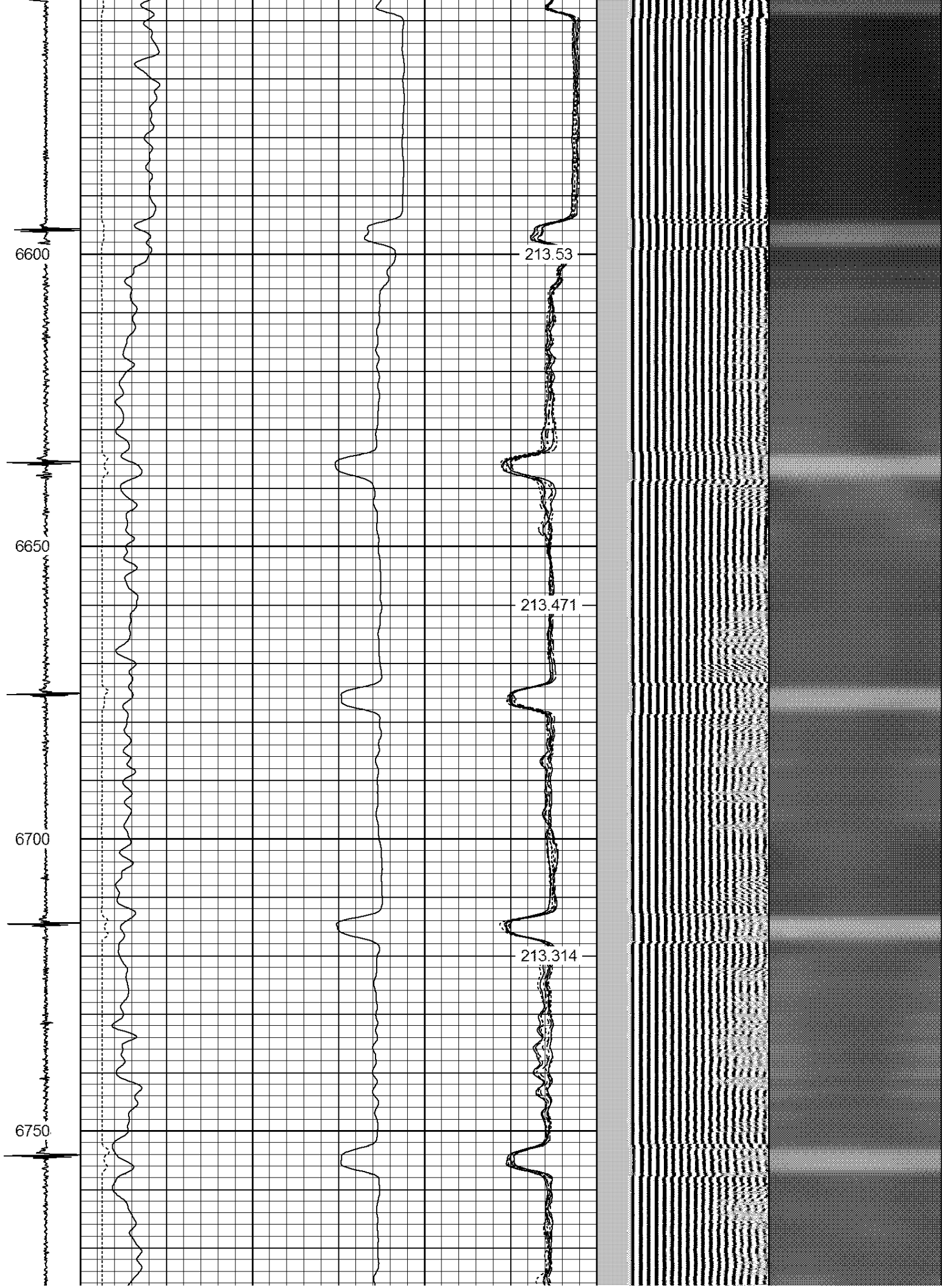


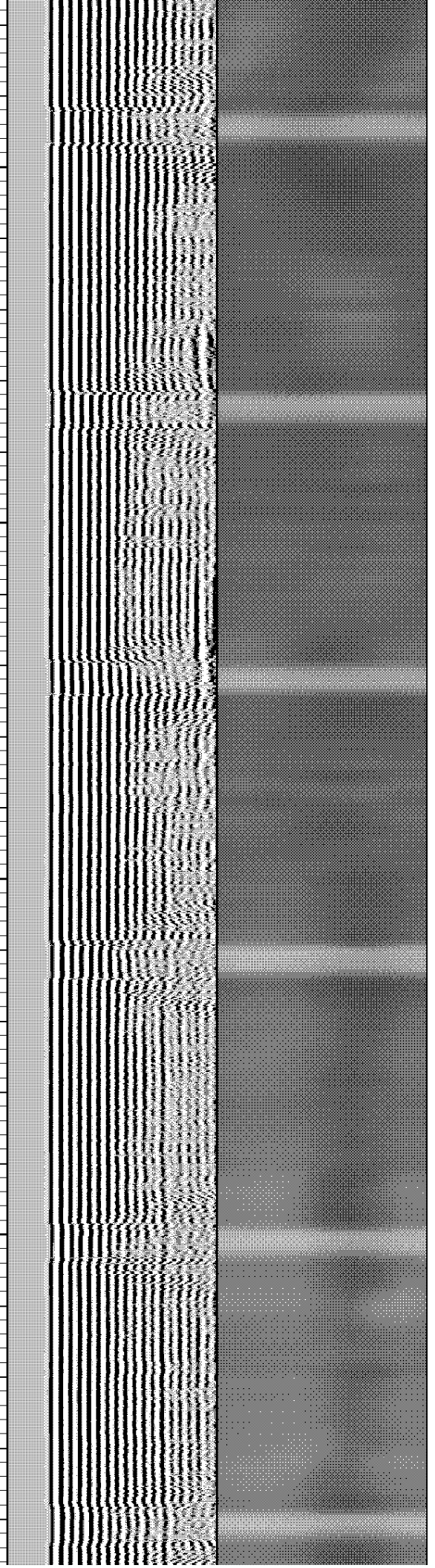
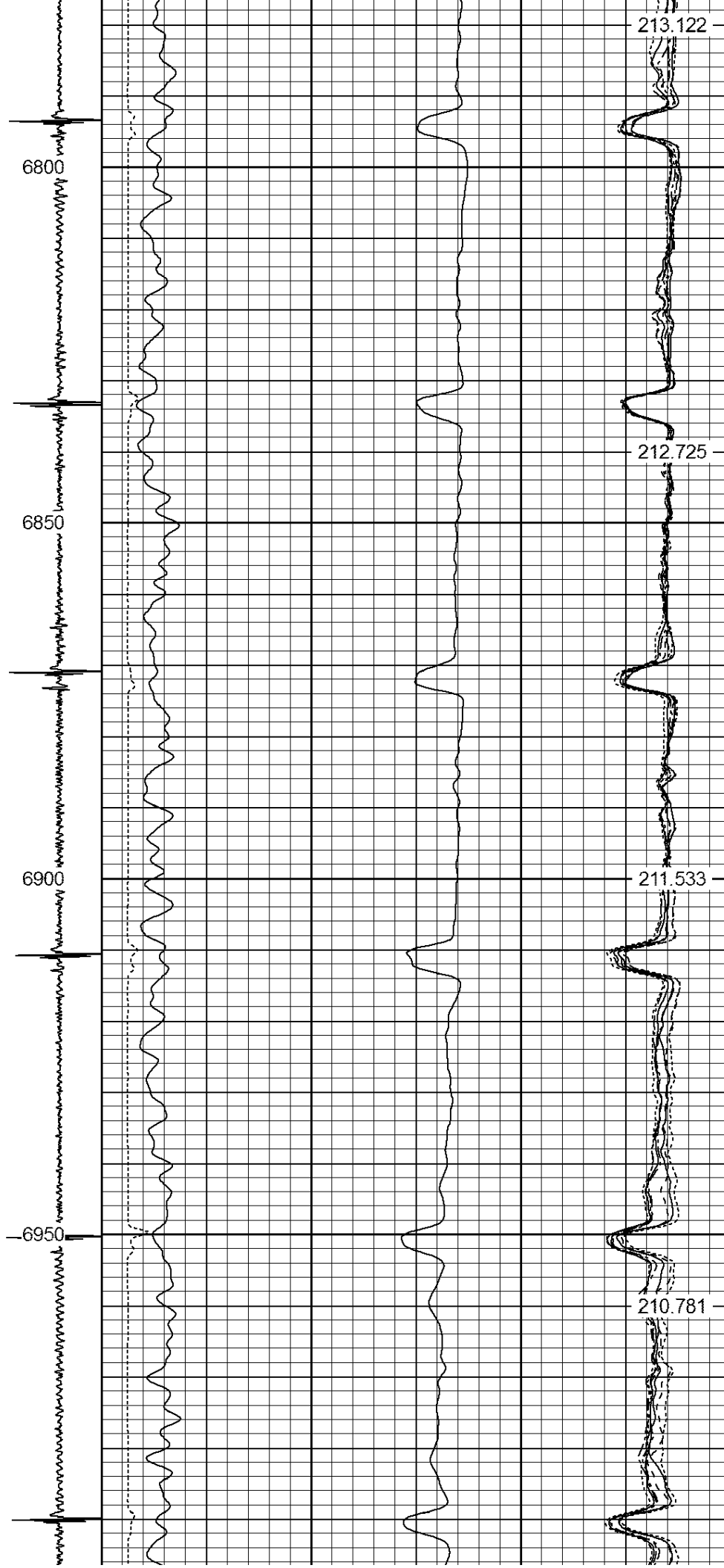


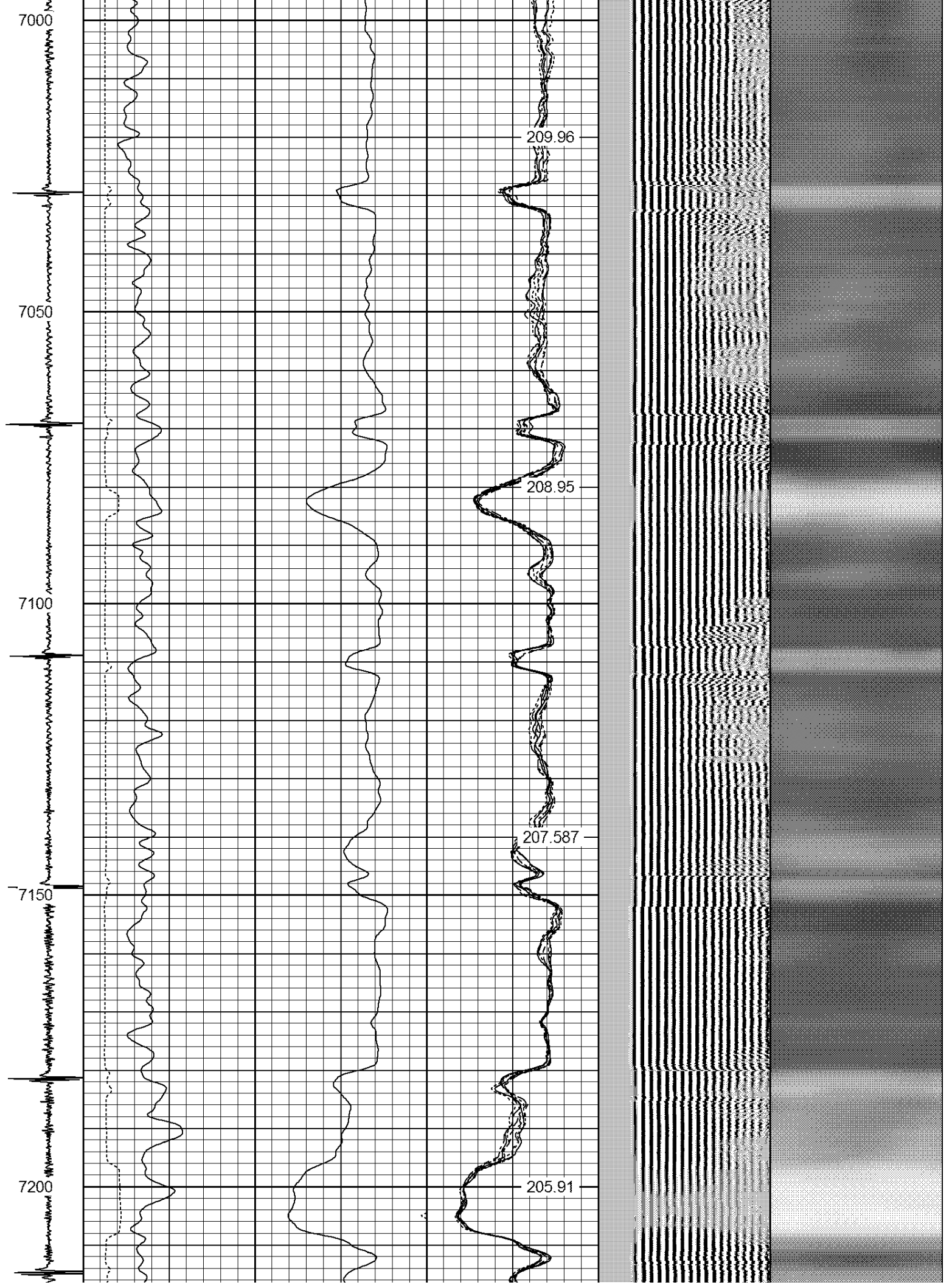


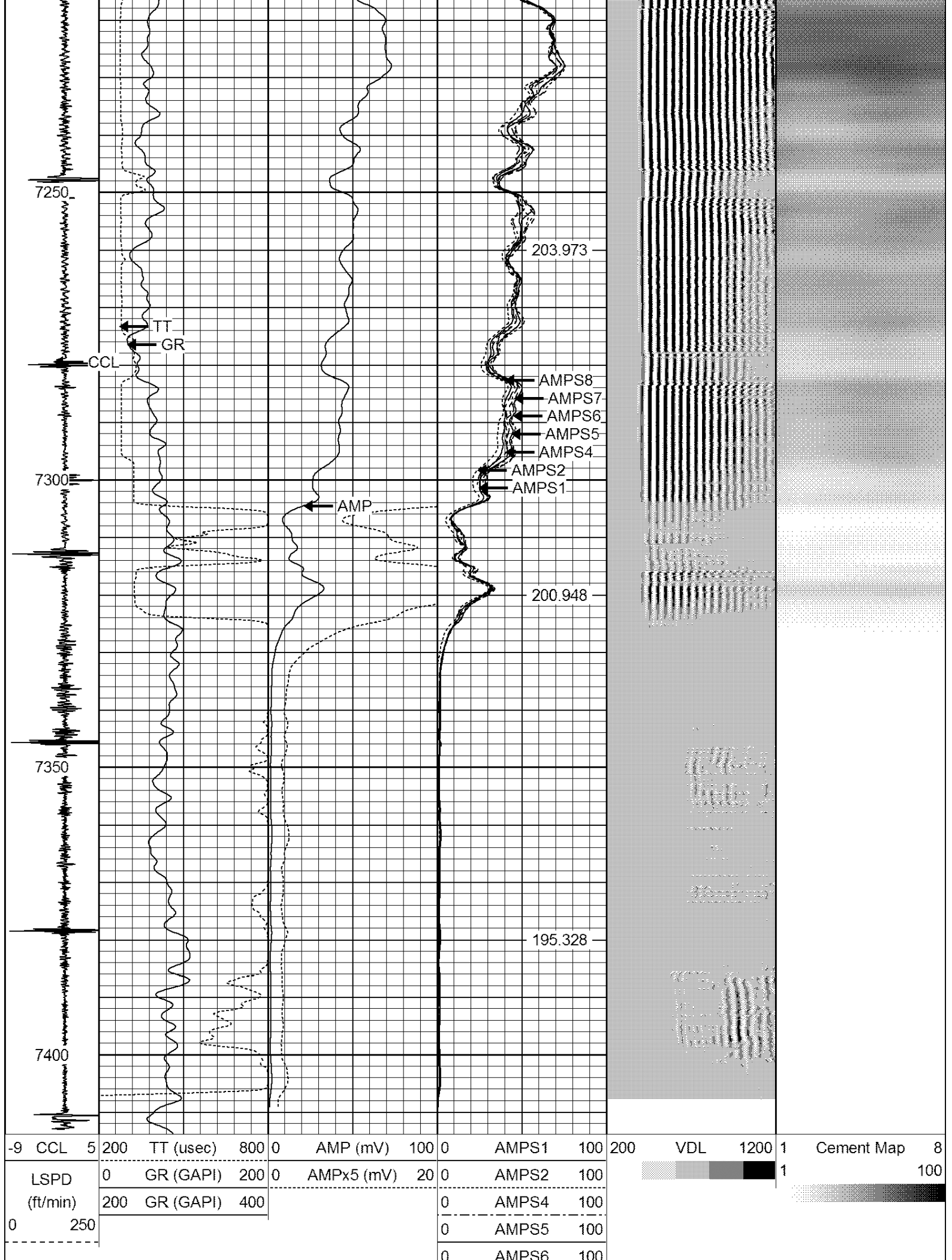






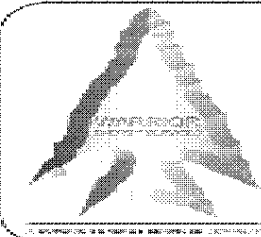






-9	CCL	5	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD	0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100						1		100
(ft/min)	200	GR (GAPI)	400					0	AMPS4	100							
0	250							0	AMPS5	100							
								0	AMPS6	100							

0	AMPS7	100
0	AMPS8	100
IntTemp (degF)		



WARRIOR
ENERGY SERVICES

CompanyKerr McGee Oil and Gas
Well PERRIN HELEN R GU 1
Field WATTENBERG
County WELD
State CO