



CEMENT BOND LOG
GAMMA RAY
CCL

Company KERR-McGEE OIL & GAS ONSHORE LP
Well INVESTMENT-USX WV 7-17
Field WATTENBERG
County WELD
State COLORADO

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County WELD State COLORADO

Location: SHL: 1318' FNL & 1313' FEL NE
API # : 05-123-09524

Other Services

SEC 7 TWP 1N RGE 67W

Permanent Datum	GL	Elevation	5078'	Elevation
Log Measured From	KB	10'		K.B. 5088'
Drilling Measured From	KB			D.F. 5087'
				G.L. 5078'

Date 4-15-2014

Run Number	ONE		
Depth Driller	8350'		
Depth Logger	7694'		
Bottom Logged Interval	7691'		
Top Log Interval	Surface		
Open Hole Size	7 7/8		
Type Fluid	WATER		
Density / Viscosity	1.0		
Max. Recorded Temp.	224 Deg. F		
Estimated Cement Top	7450'		
Time Well Ready	N/A		
Time Logger on Bottom	N/A		
Equipment Number	5432		
Location	GREELEY.CO		
Recorded By	M. JANDREAU		
Witnessed By	RON SMITH		

Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
ONE							
TWO							

Casing Record	Size	Wgt/Ft	Top	Bottom
Surface String	8 5/8	24#	0	253'
Prot. String				
Production String	4 1/2"	11.6#	0	8350'
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.

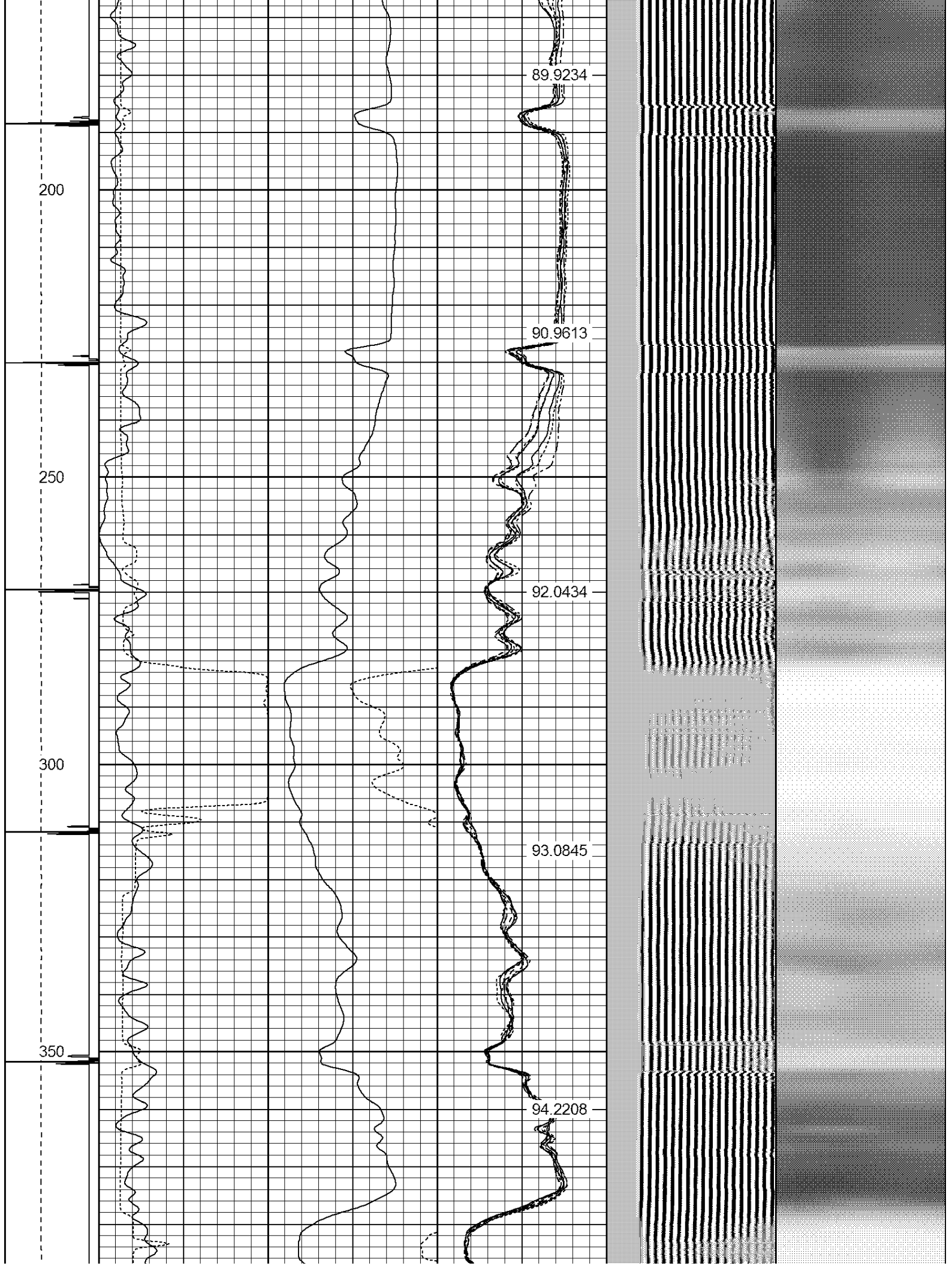
Comments

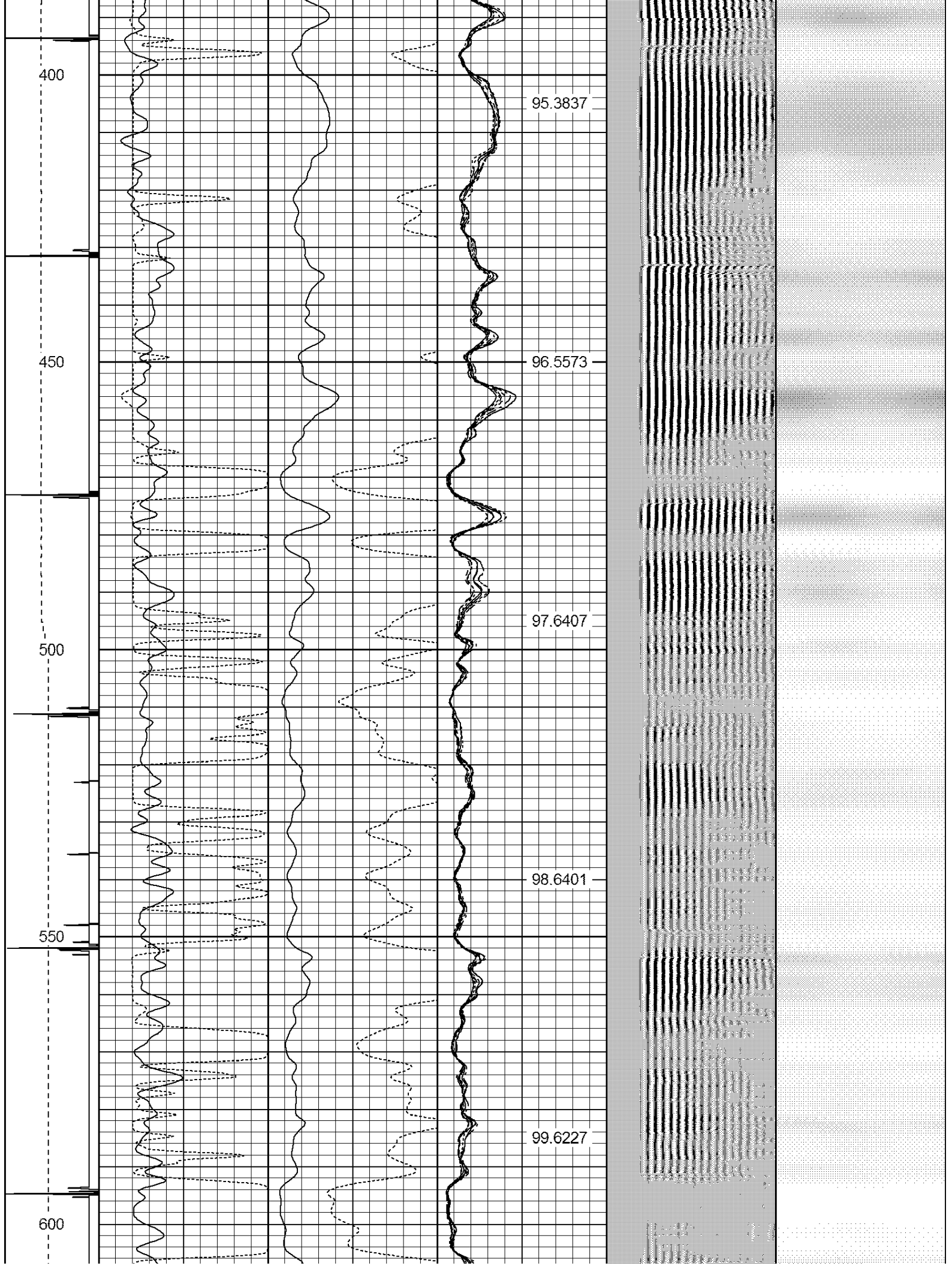
NOT CORRELATED
RAN LOG TO VERIFY CEMENT
THANK YOU FOR USING WARRIOR ENERGY SERVICES!!!!

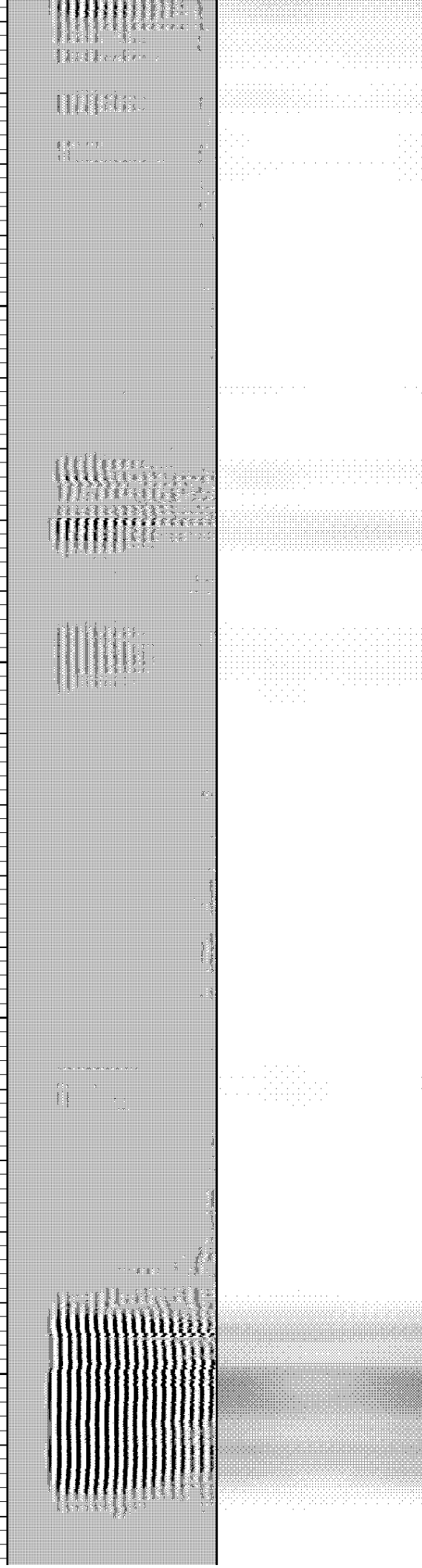
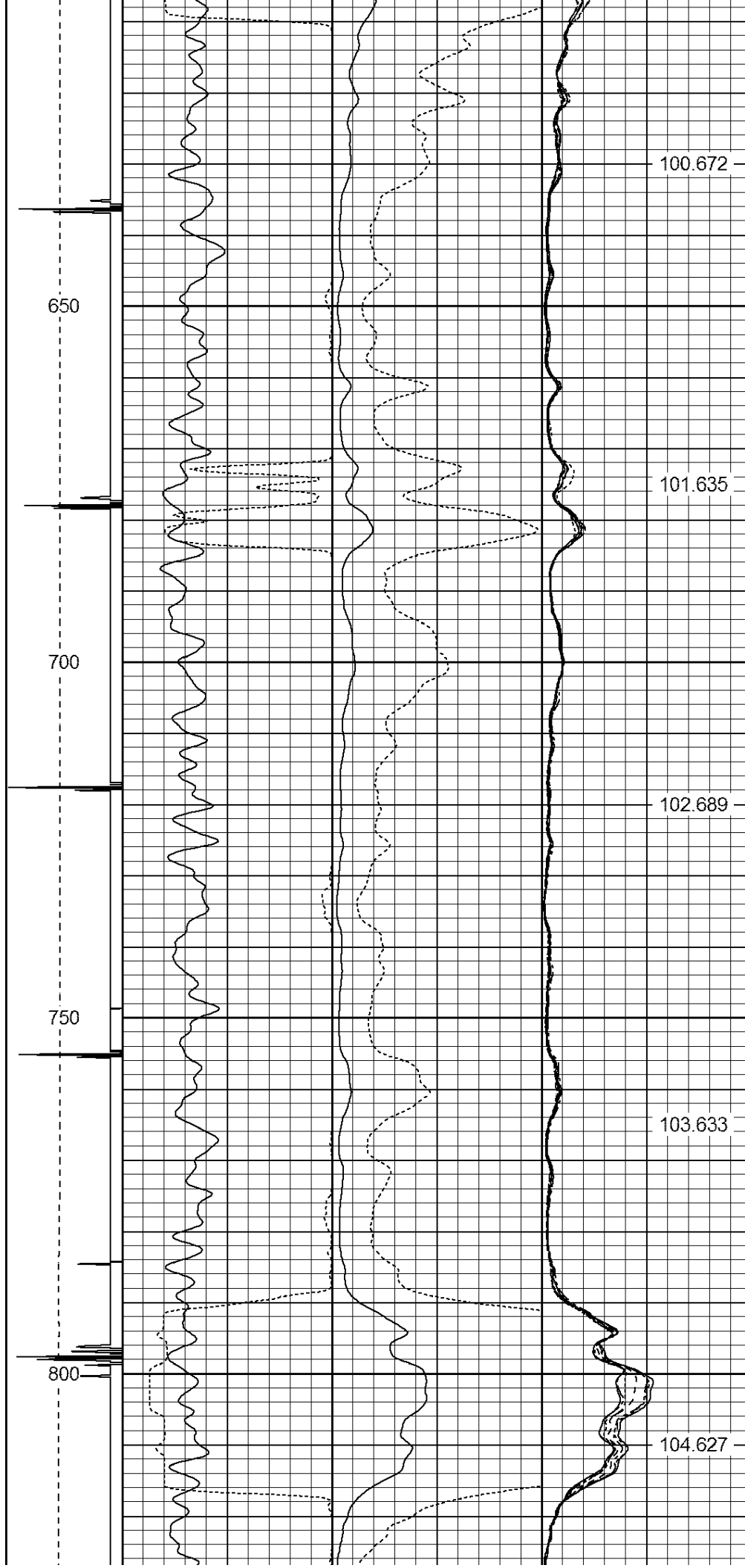
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

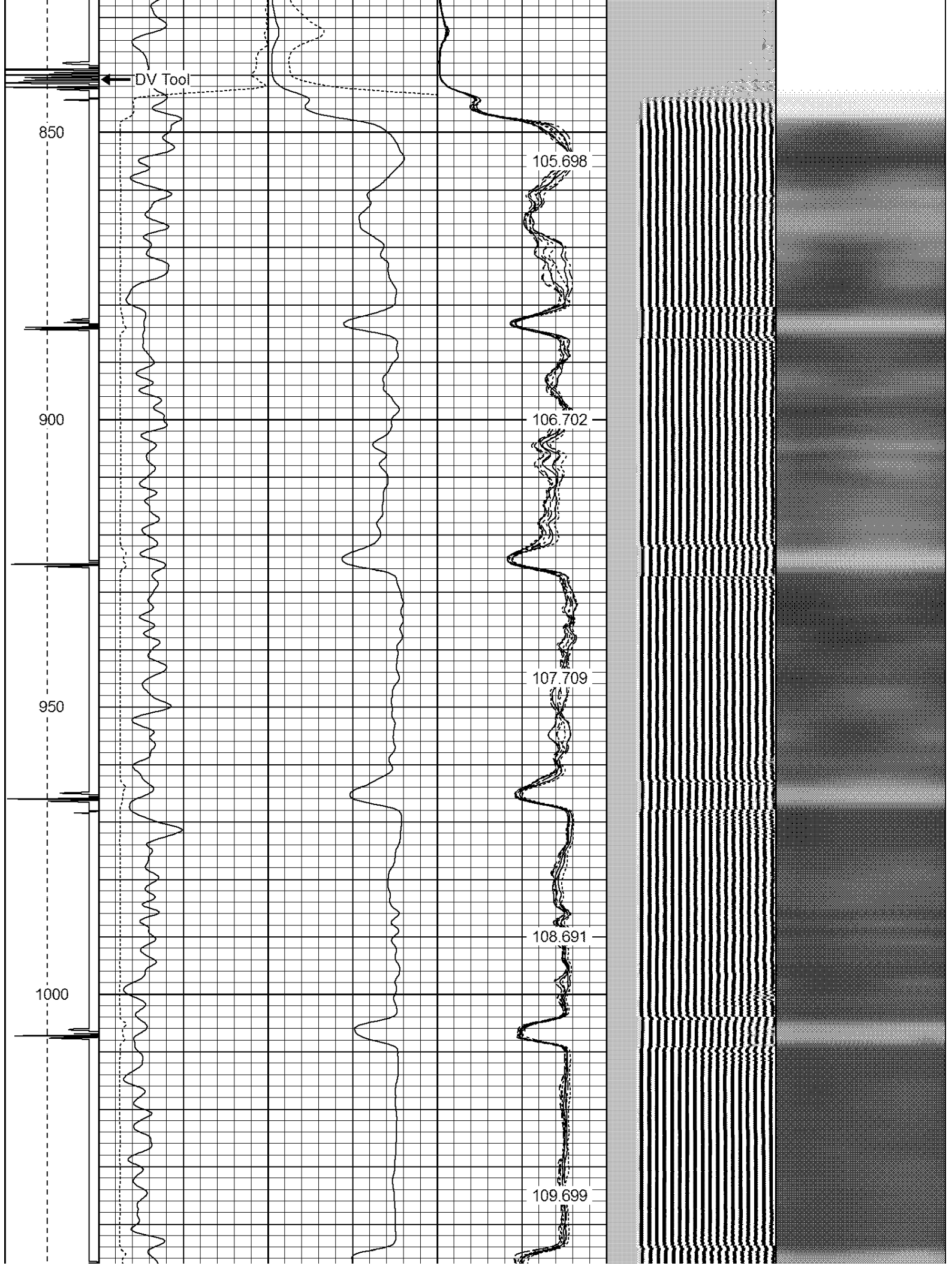
Tool Joint	Tool Joint Length (ft)	Tool Joint Weight (lb)	Tool Joint O.D. (in)	Tool Joint Description	Tool Joint Weight (lb)	Tool Joint O.D. (in)	Tool Joint Length (ft)
HEADVOLT	16.25						
IntTemp	14.83						
WVFS3FT	11.58						
WVFCAL	11.58						
WVFS1	11.58						
WVFS2	11.58						
WVFS3	11.58						
WVFS4	11.58						
WVFS5	11.58						
WVFS6	11.58						
WVFS7	11.58						
WVFS8	11.58						
WVFS5FT	10.58						
CNLSC	6.00						
CNSSC	5.17						
CCL	3.64						
GR	0.90						
Dataset: investment usx vv 7-17.db: field/well/run1/pass4 Total Length: 19.08 ft Total Weight: 160.00 lb O.D. 2.75 in							

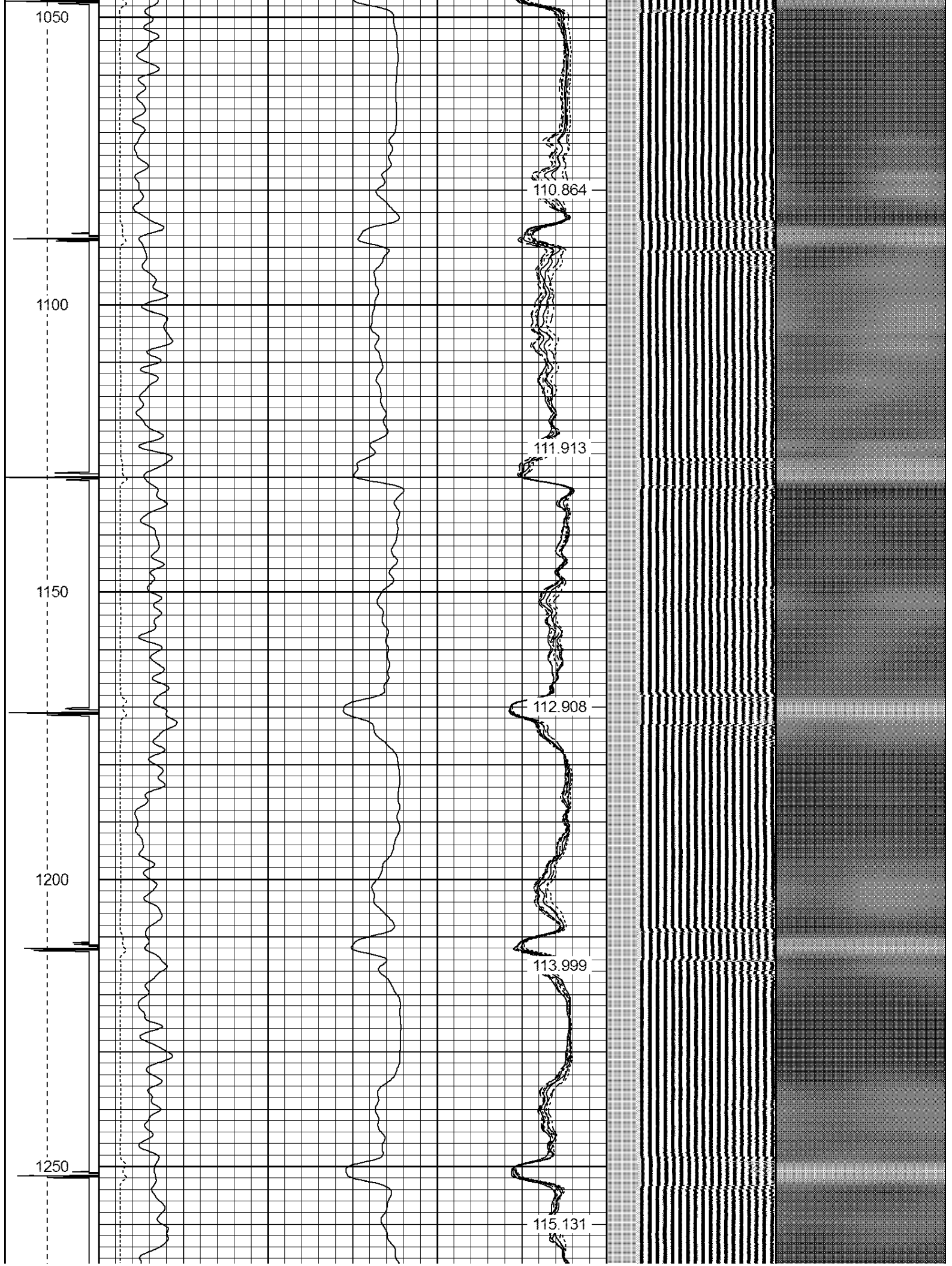
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD (ft/min)			0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		
			200	GR (GAPI)	400				0	AMPS4	100						
0	250								0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100				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

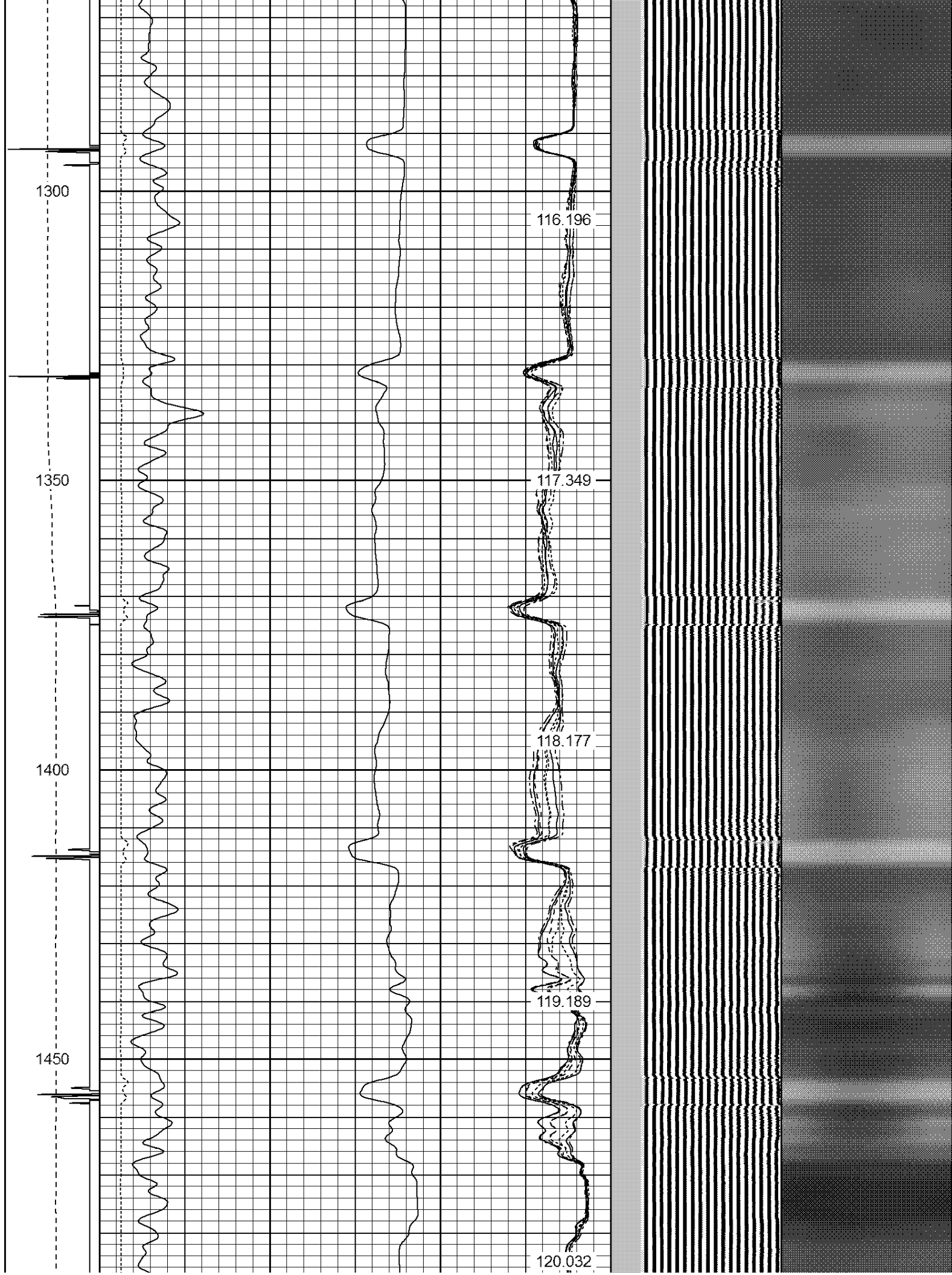


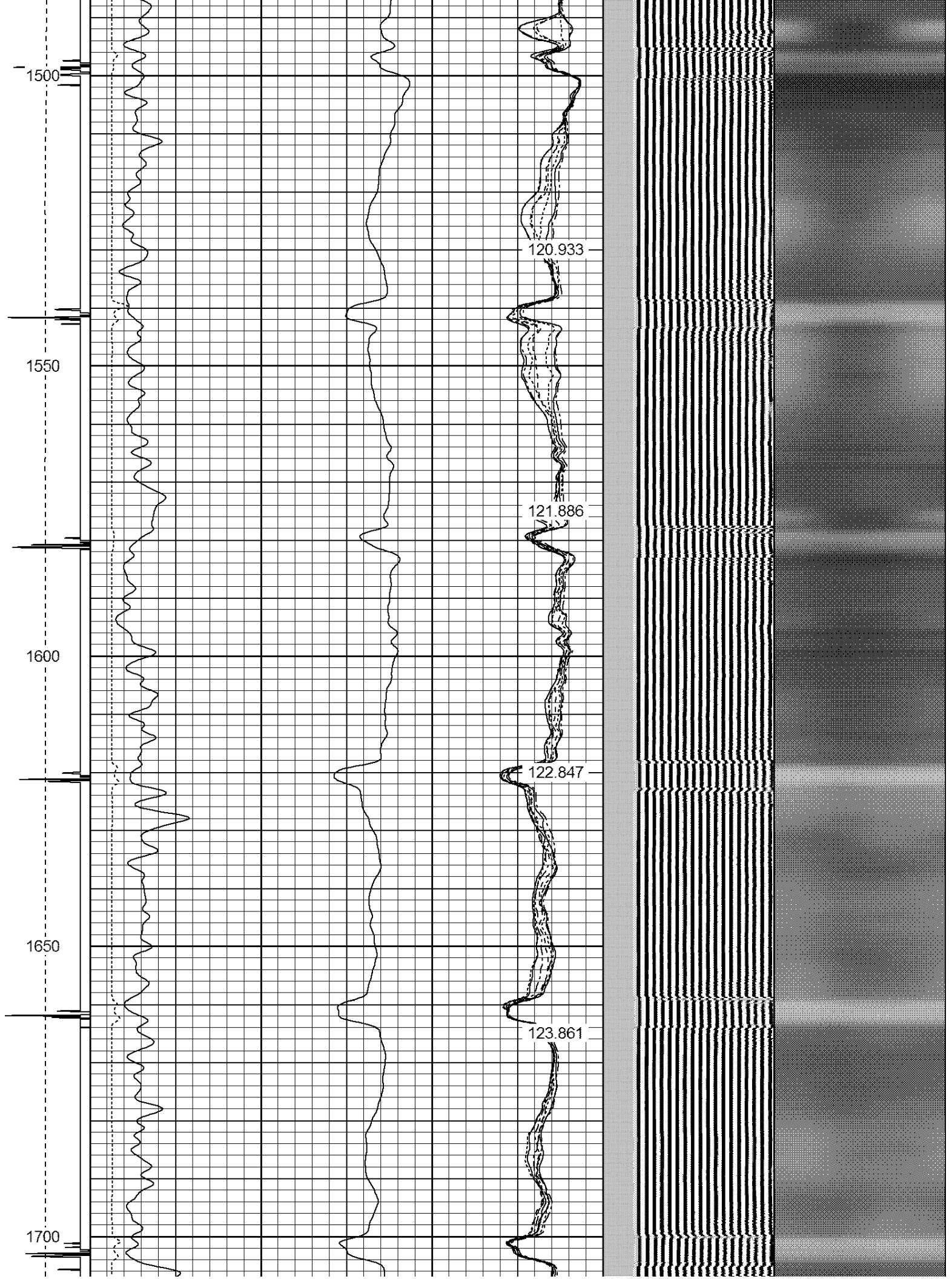


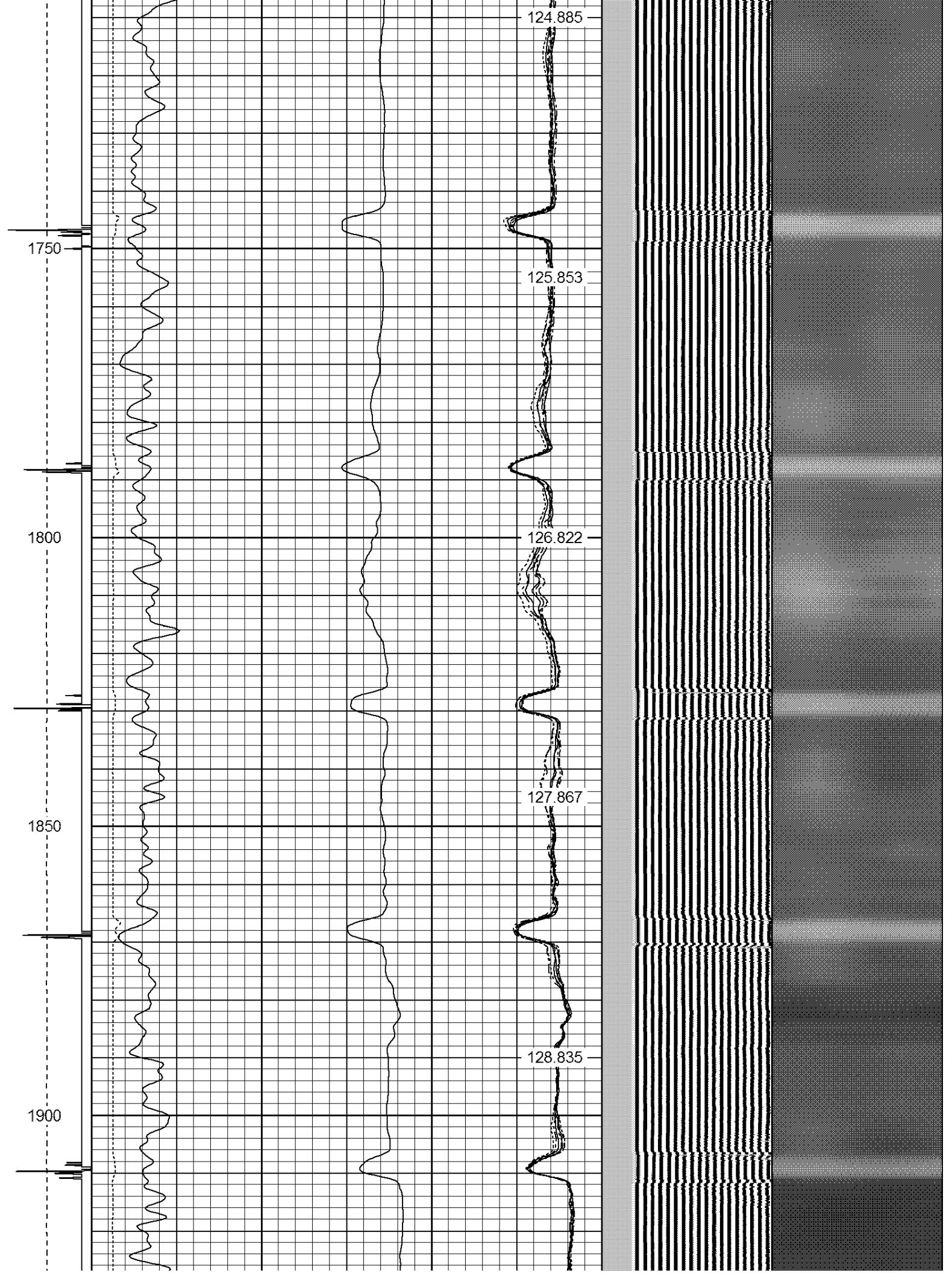


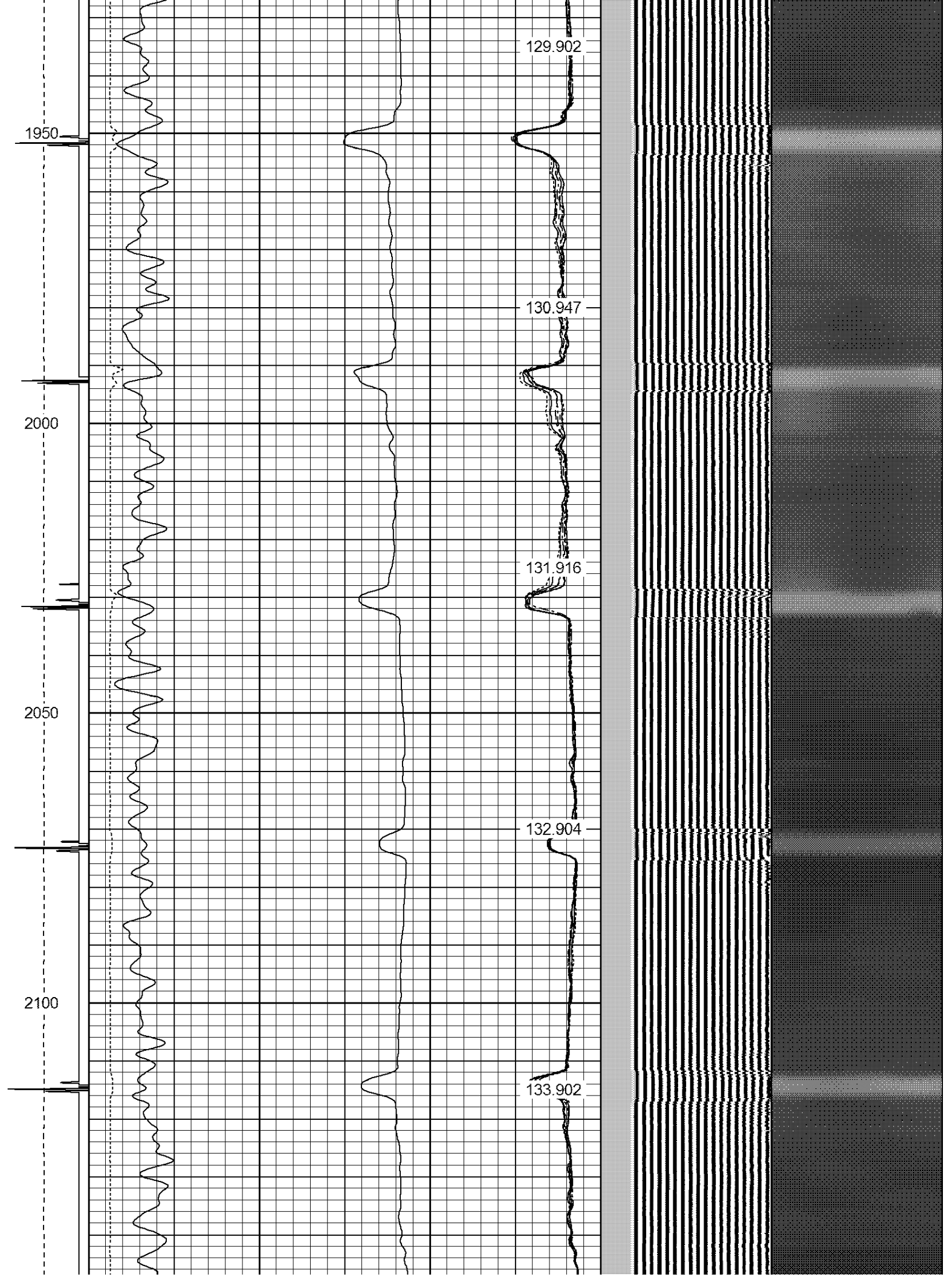


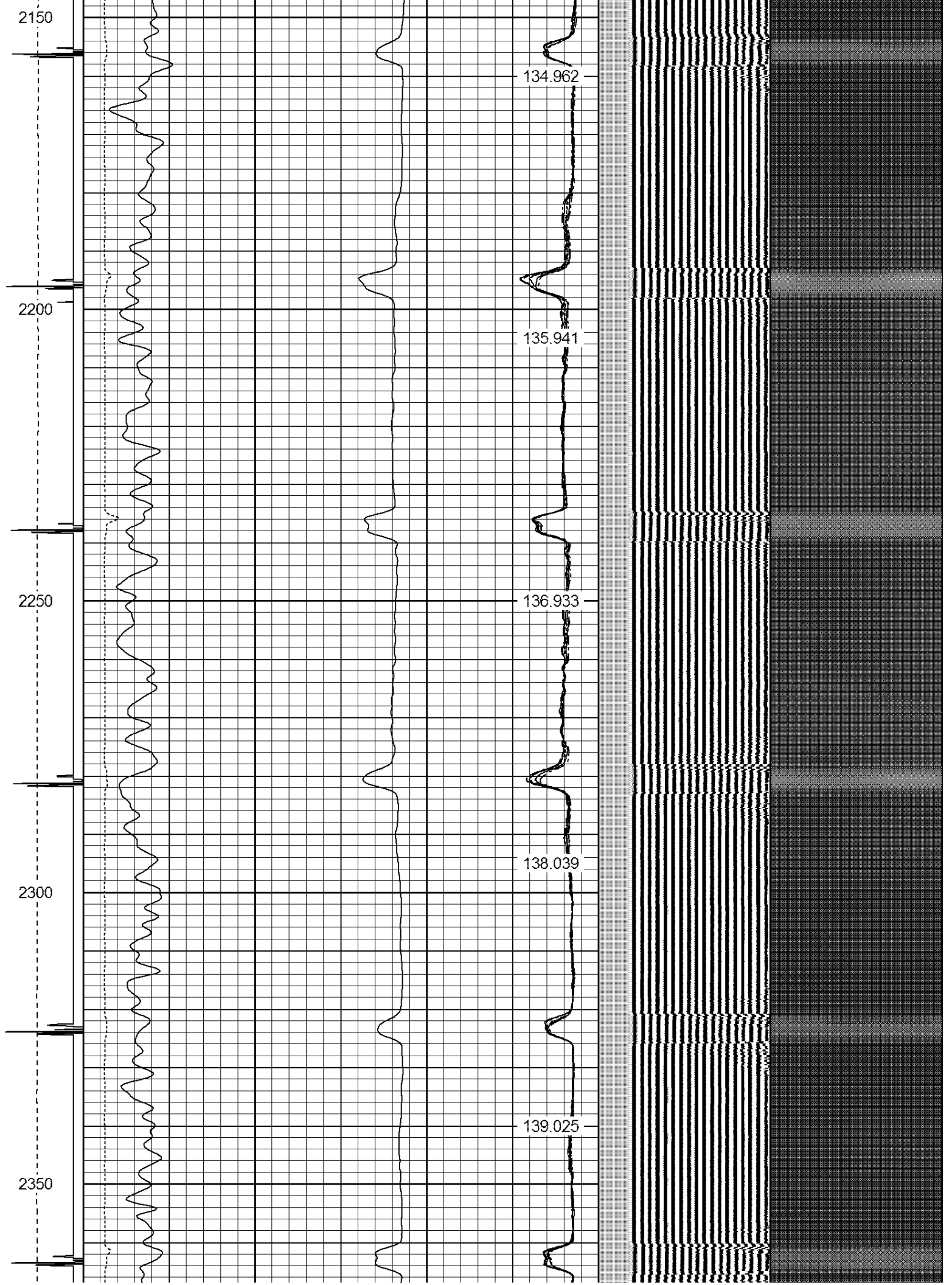


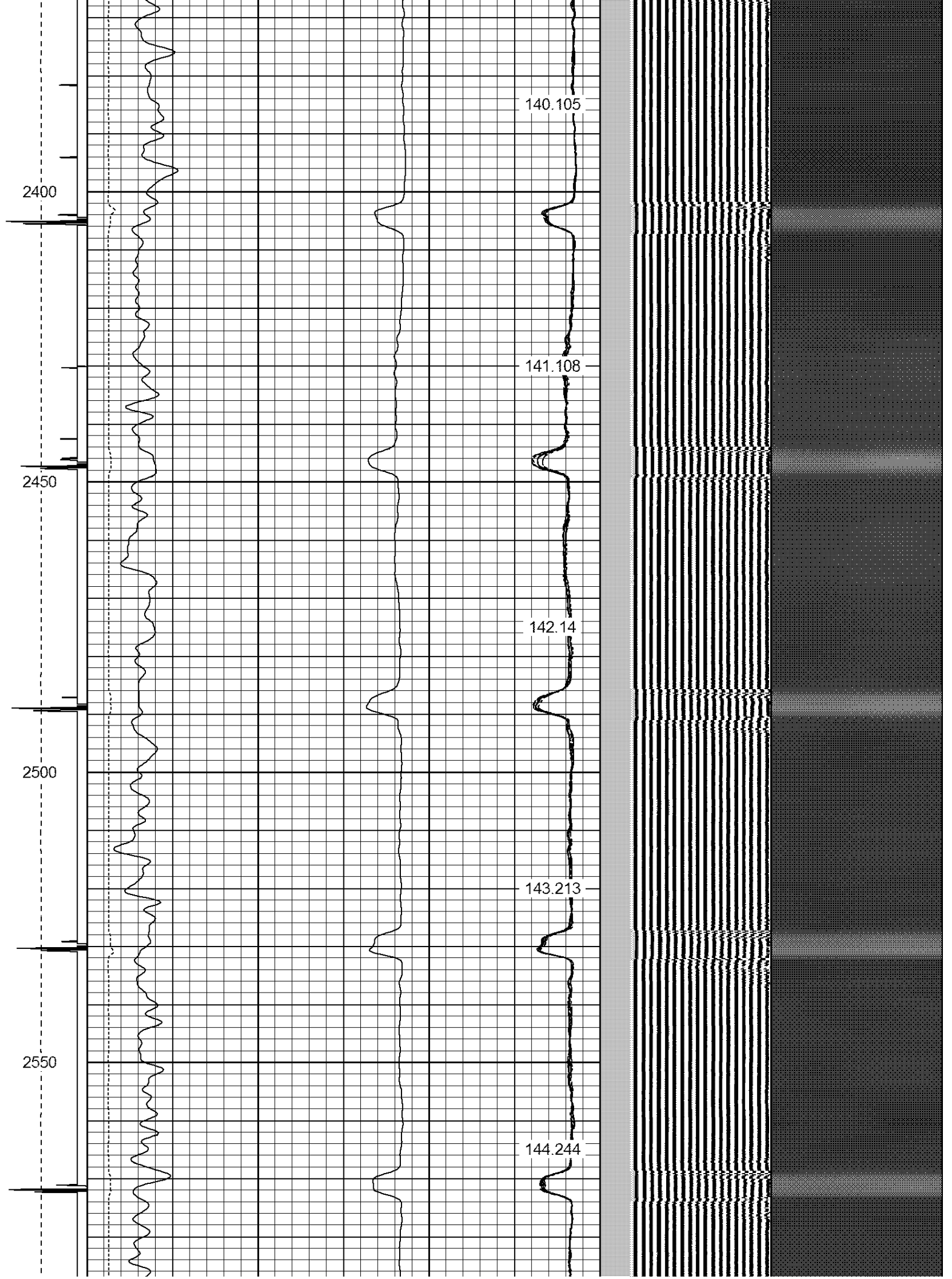


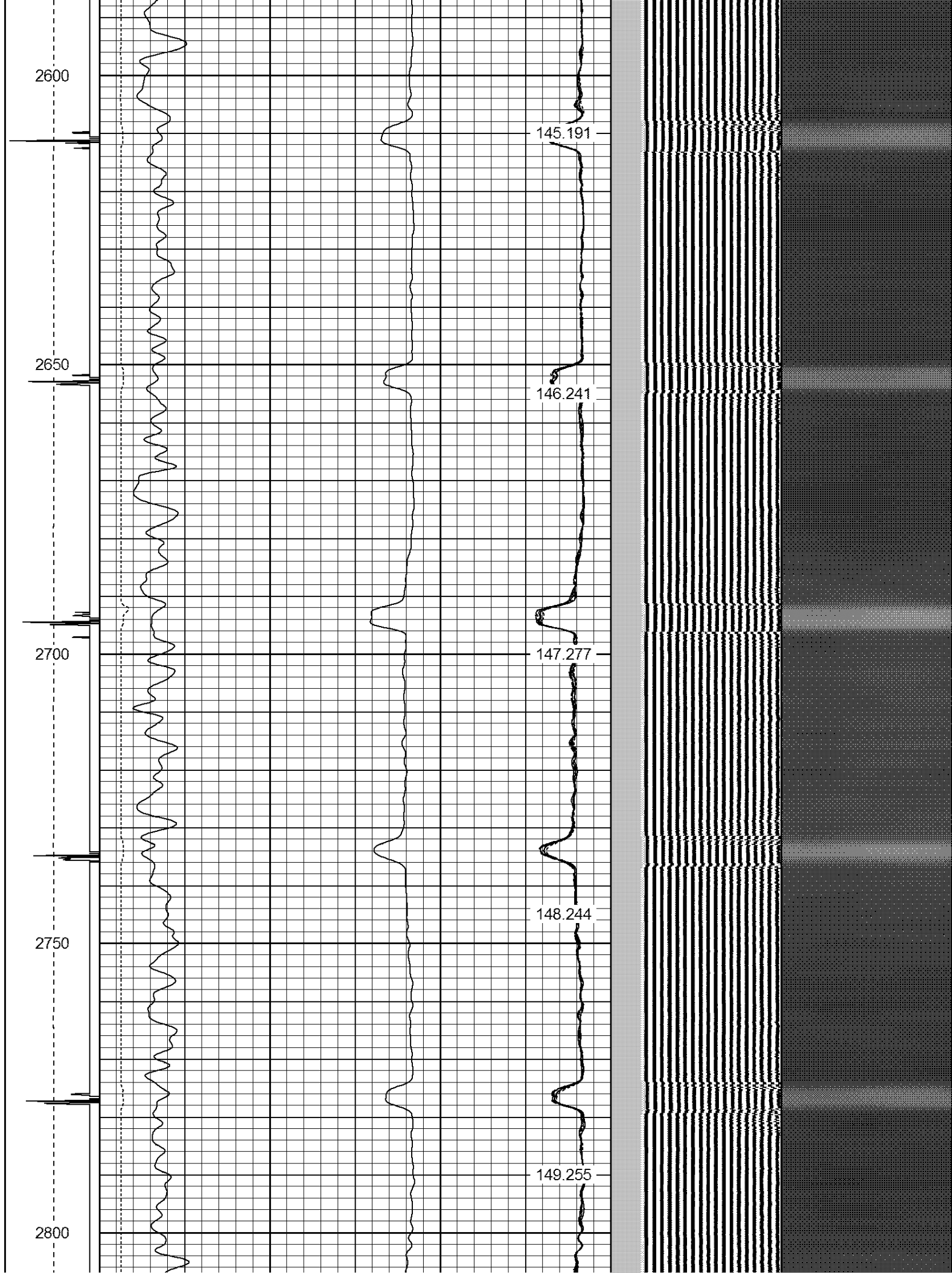


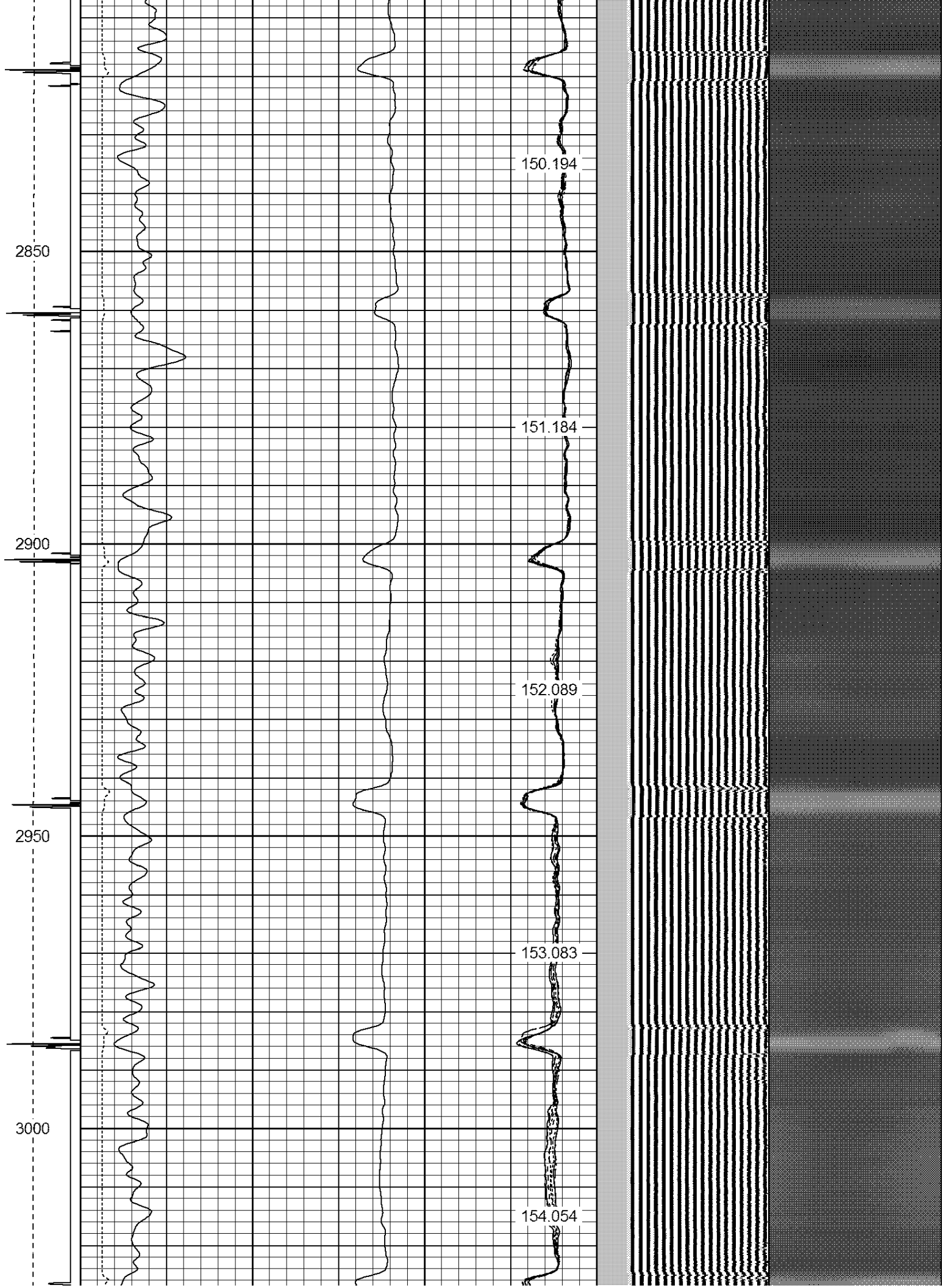


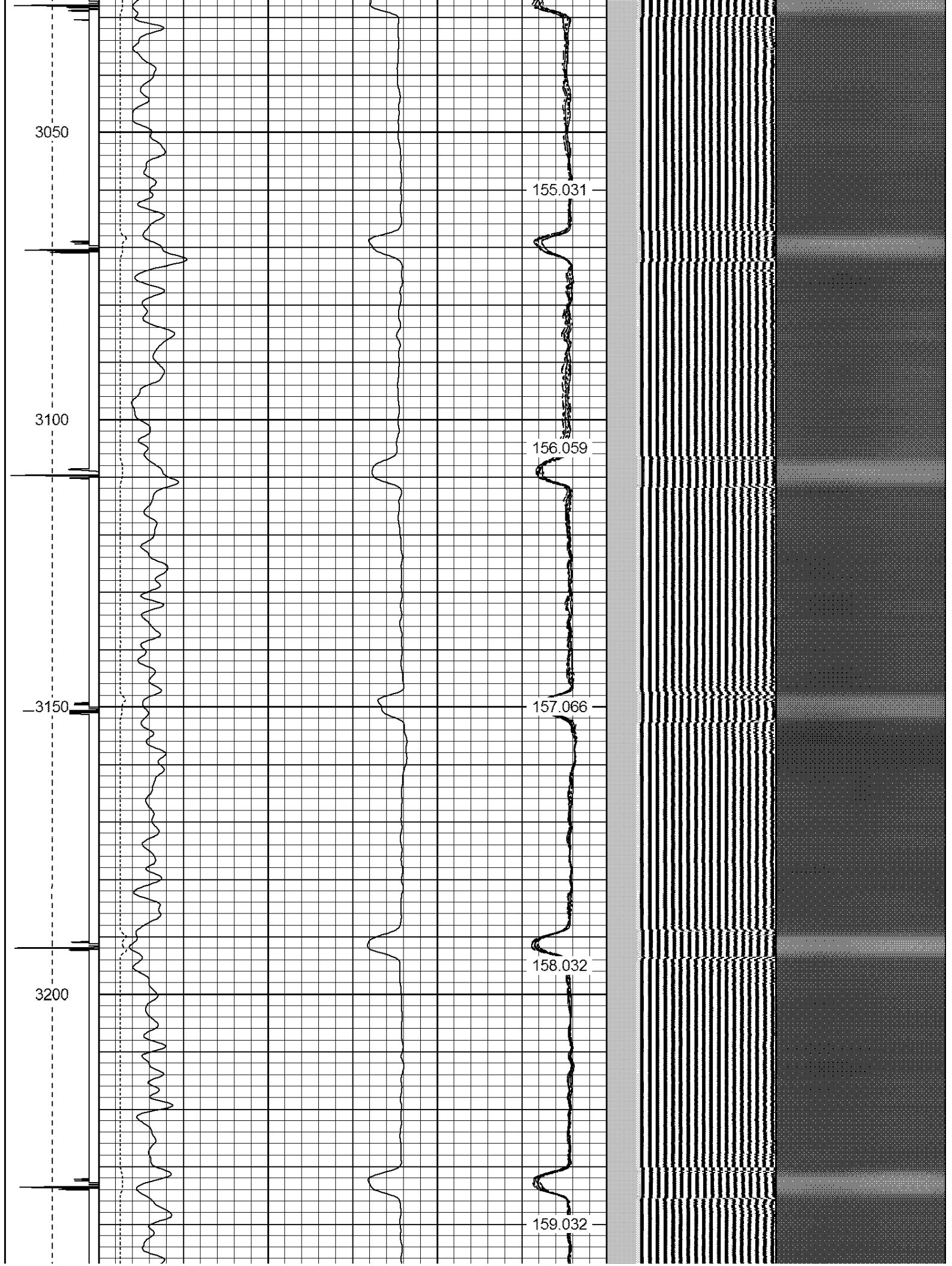


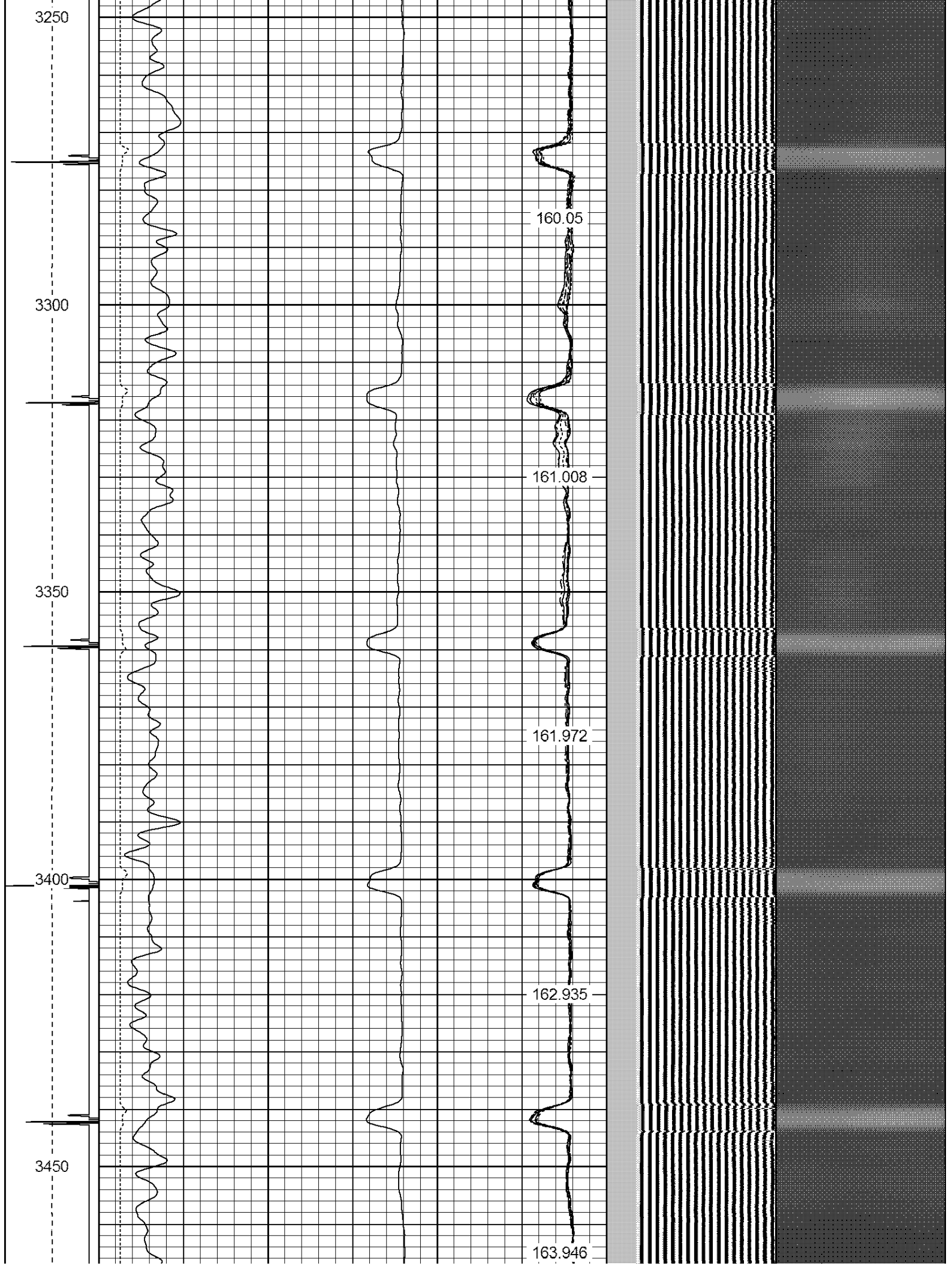


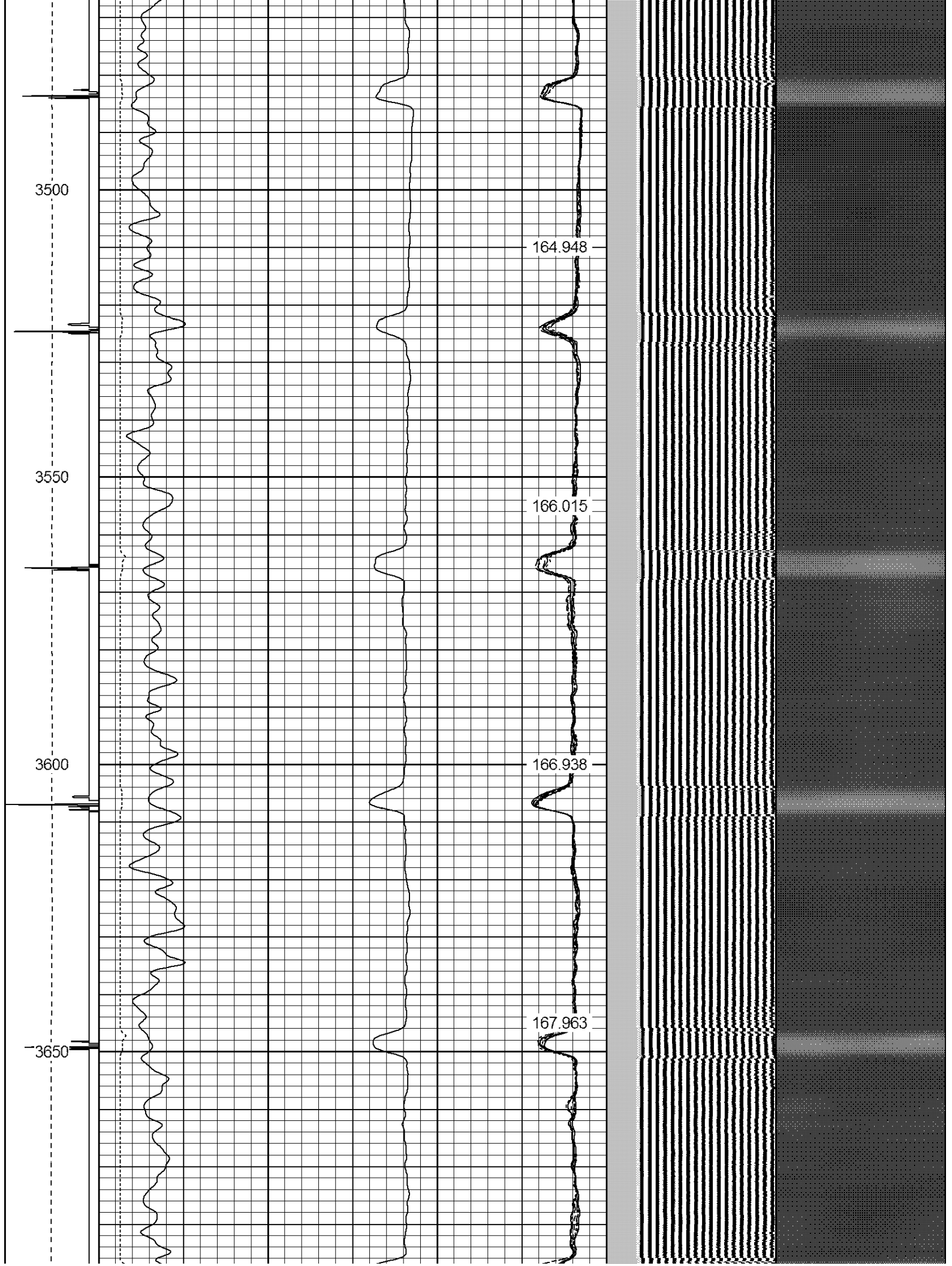


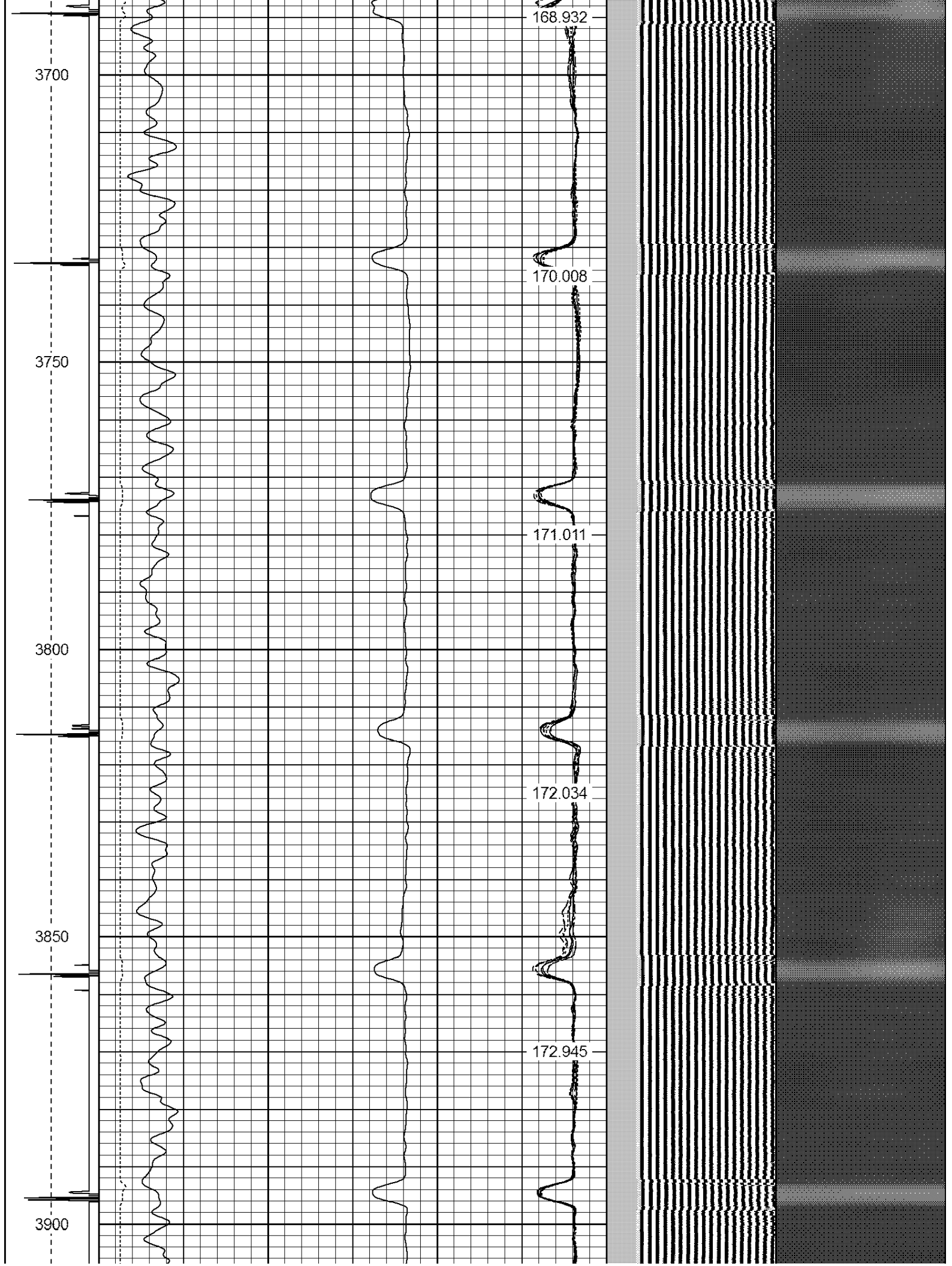


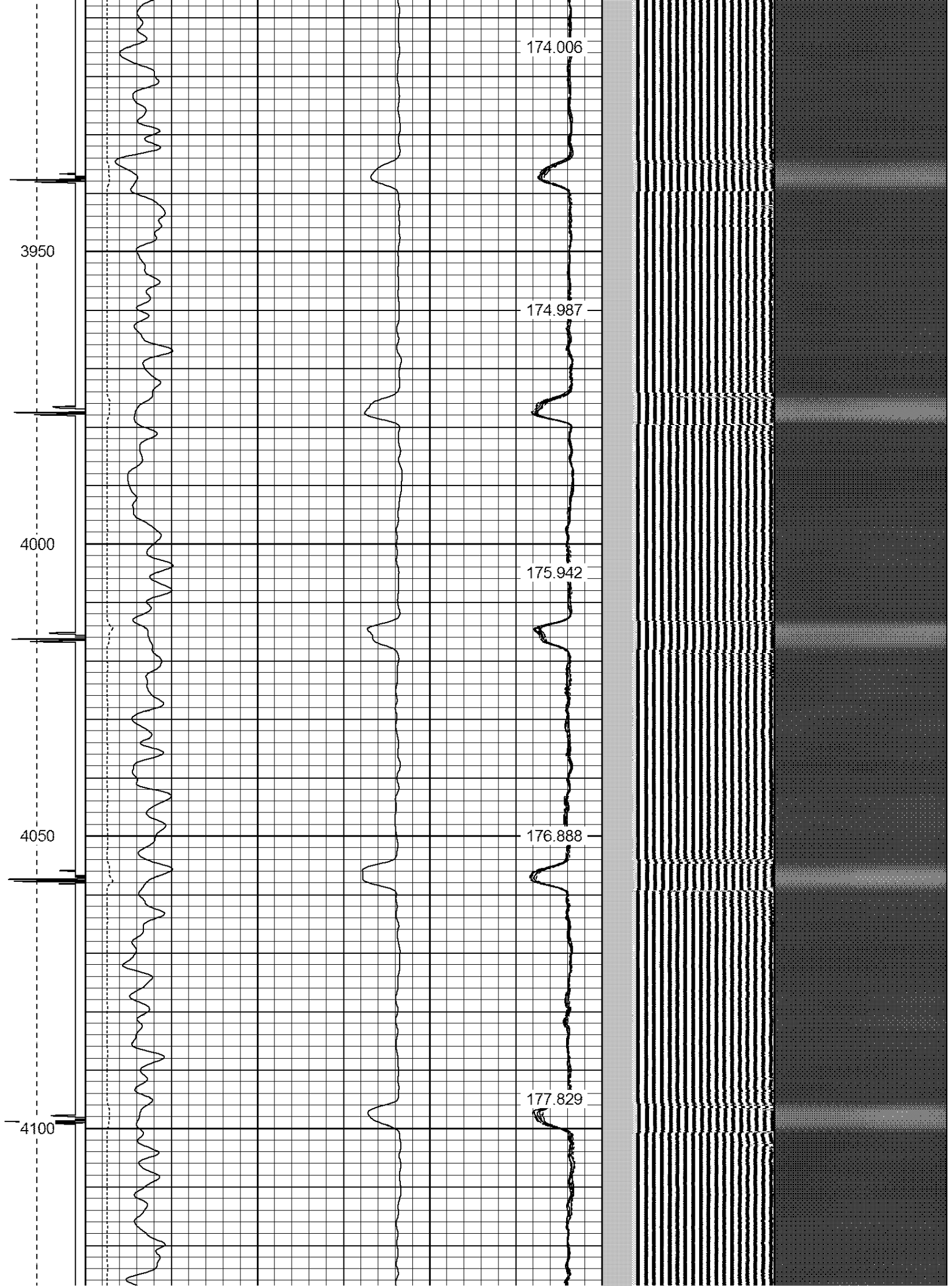


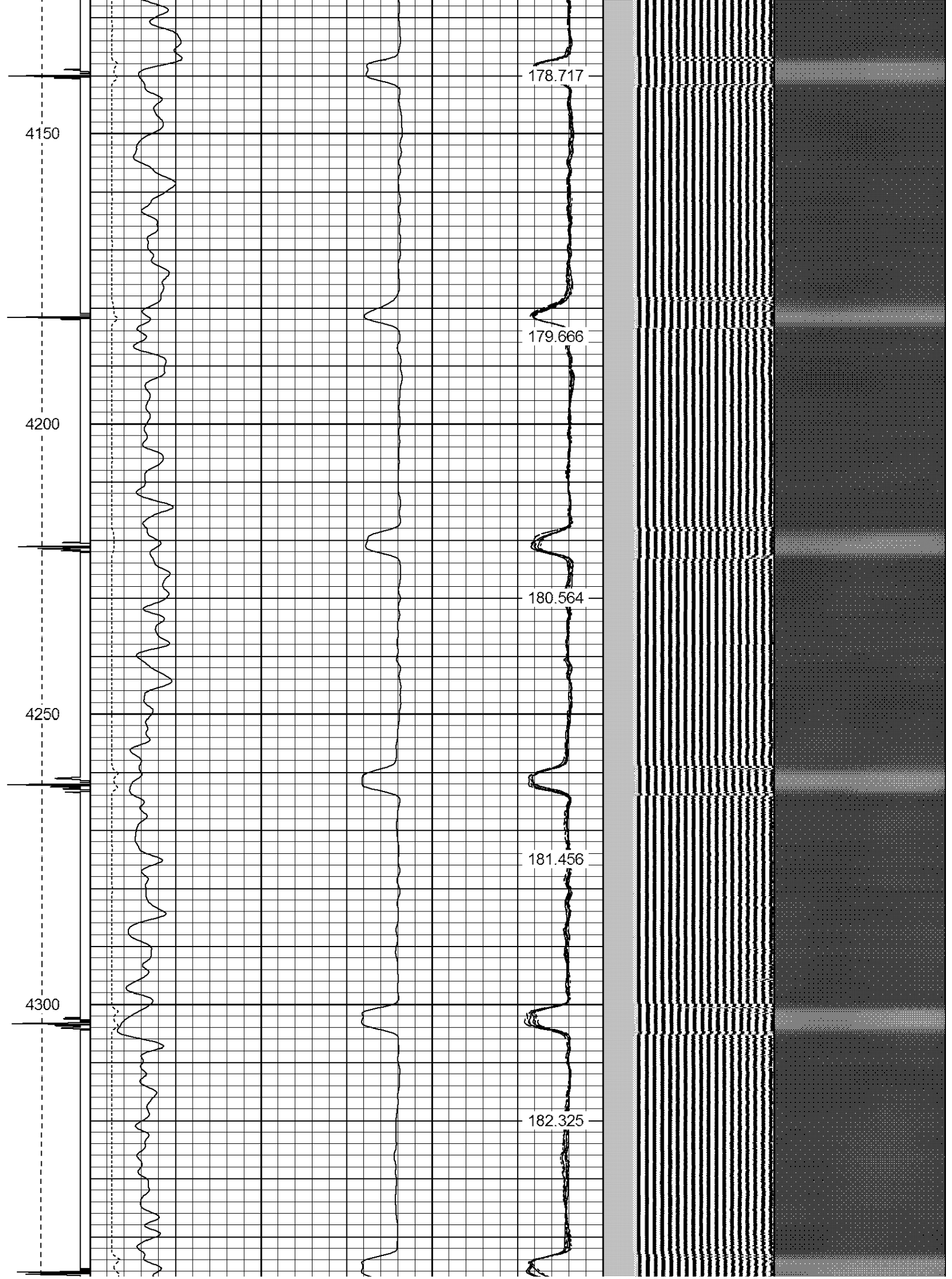


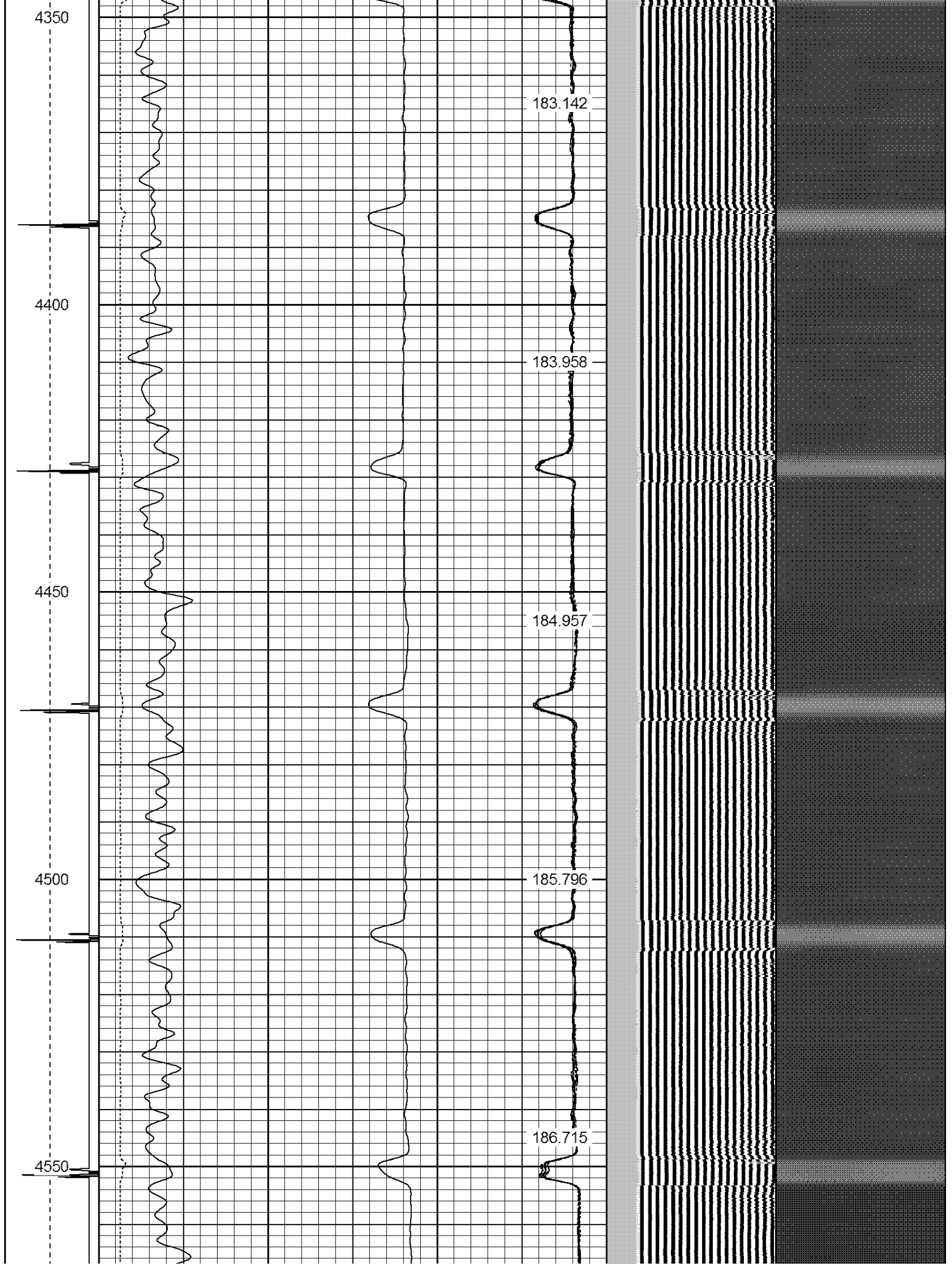


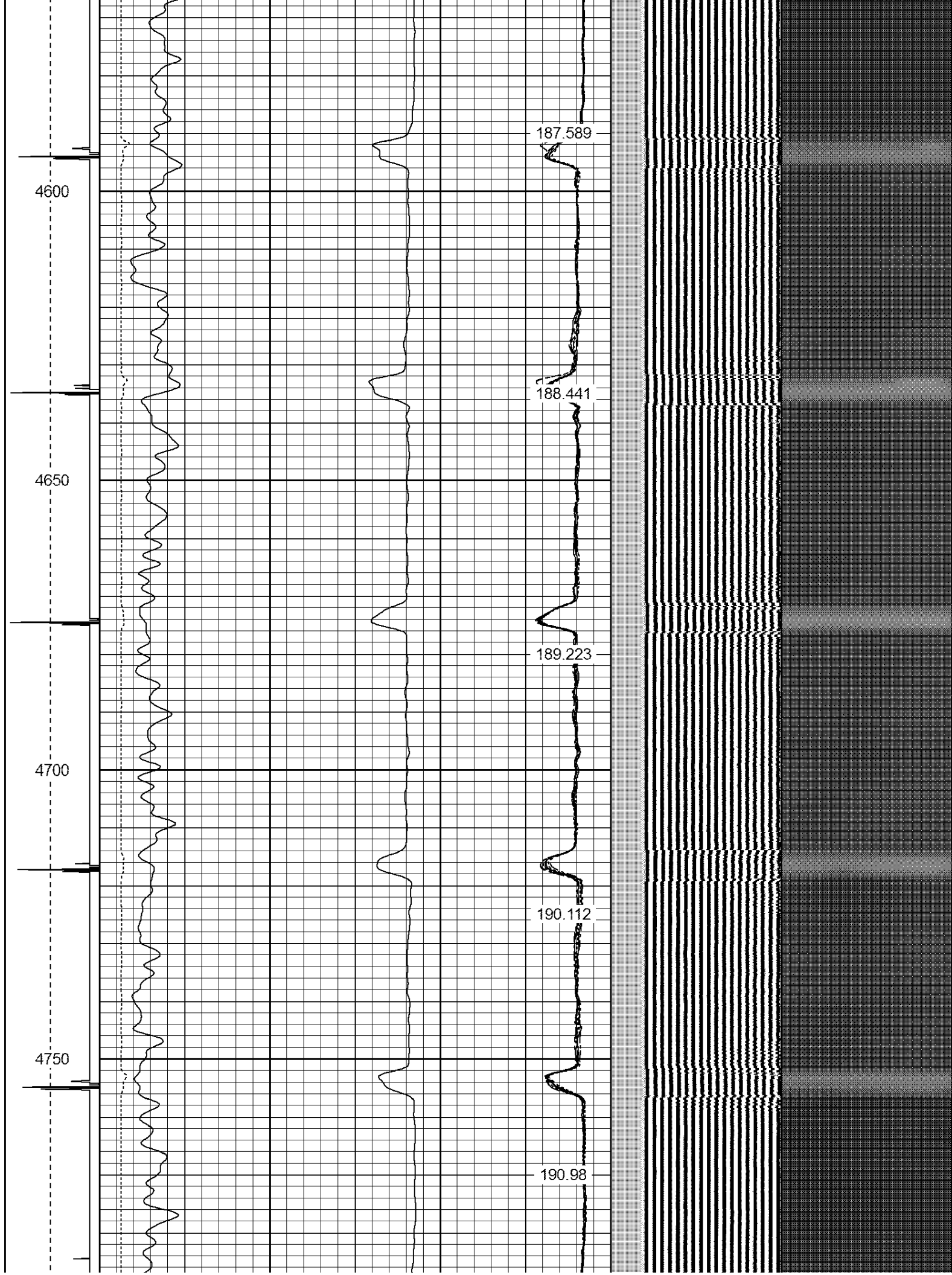


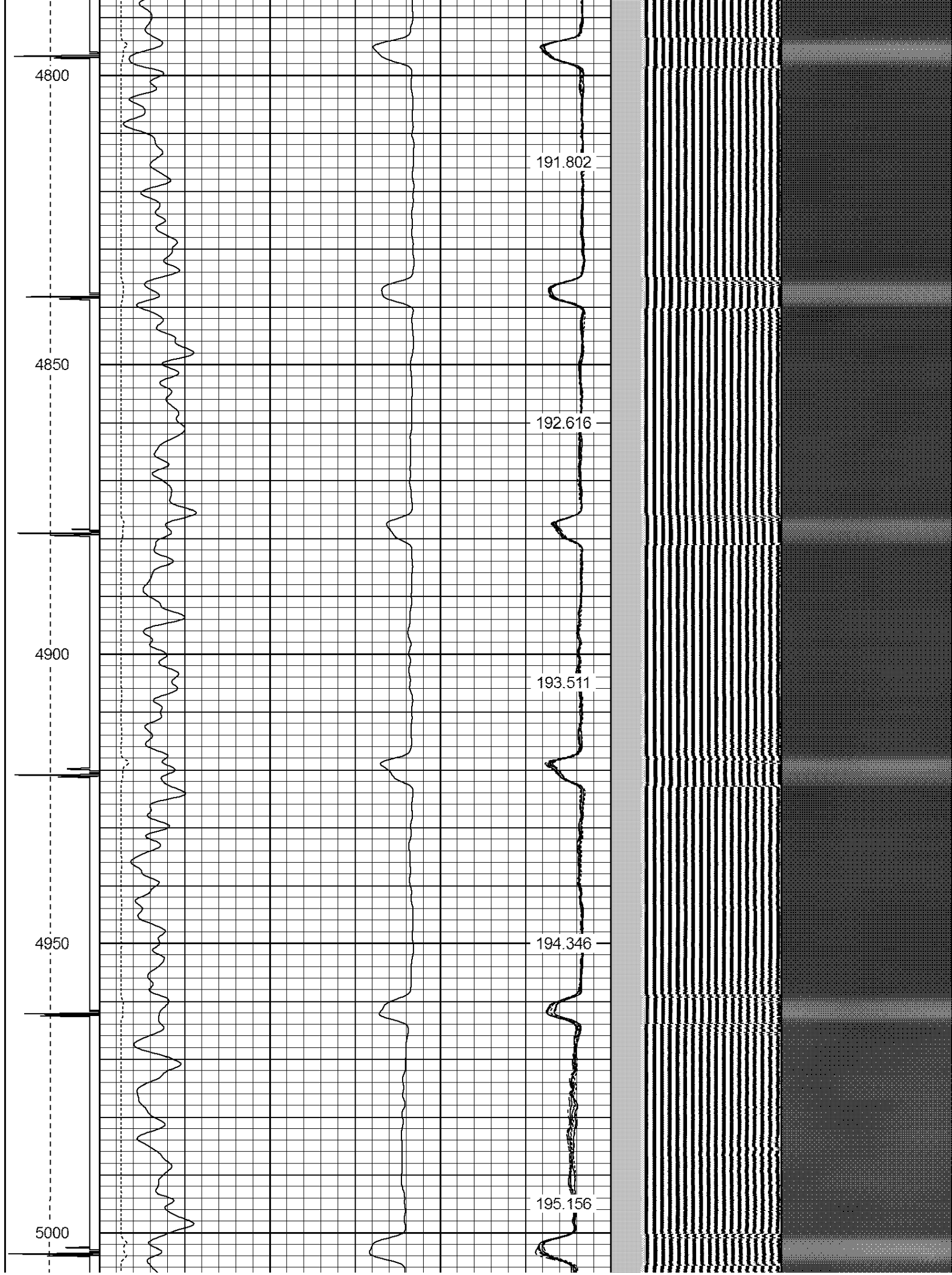


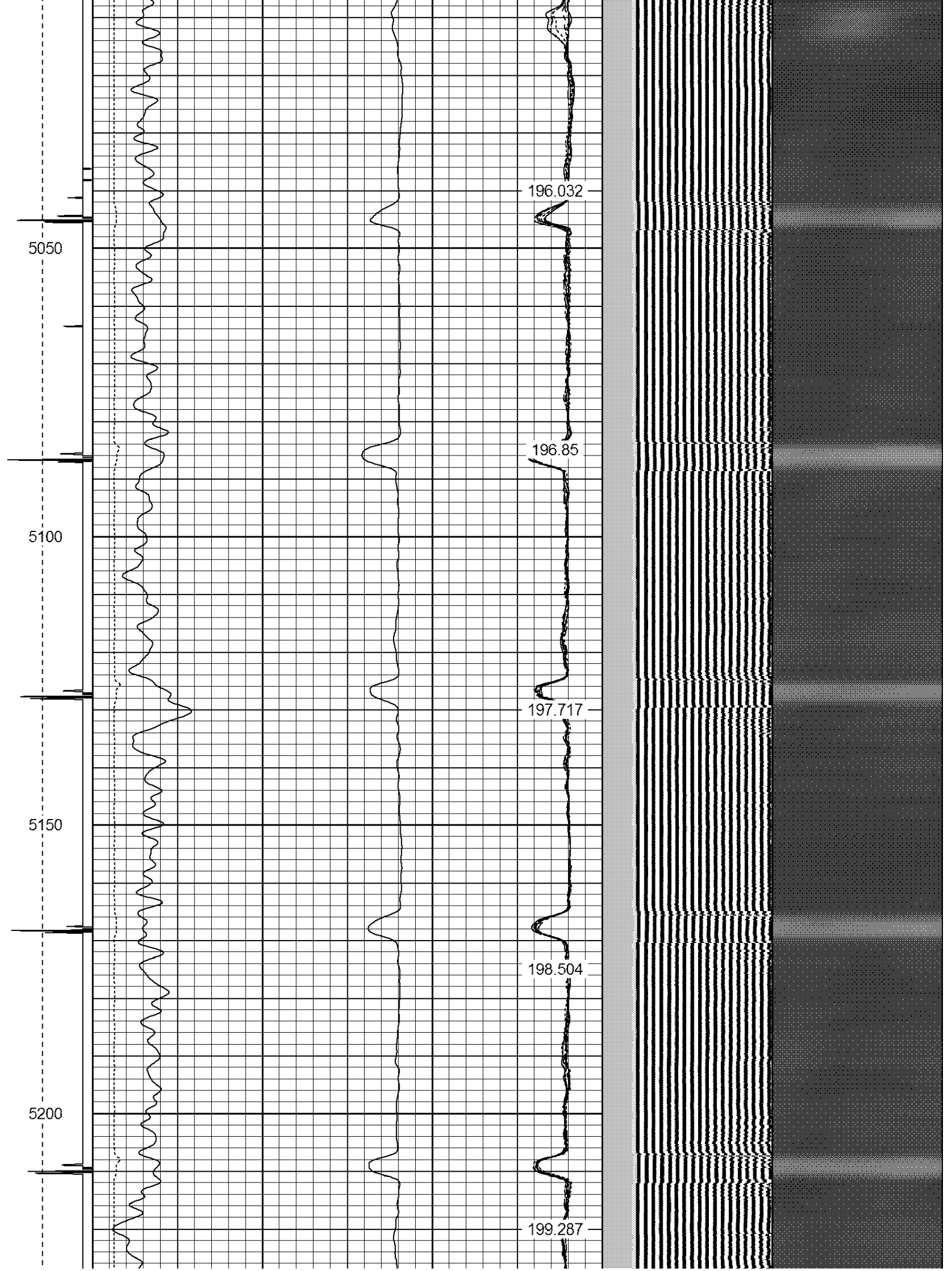


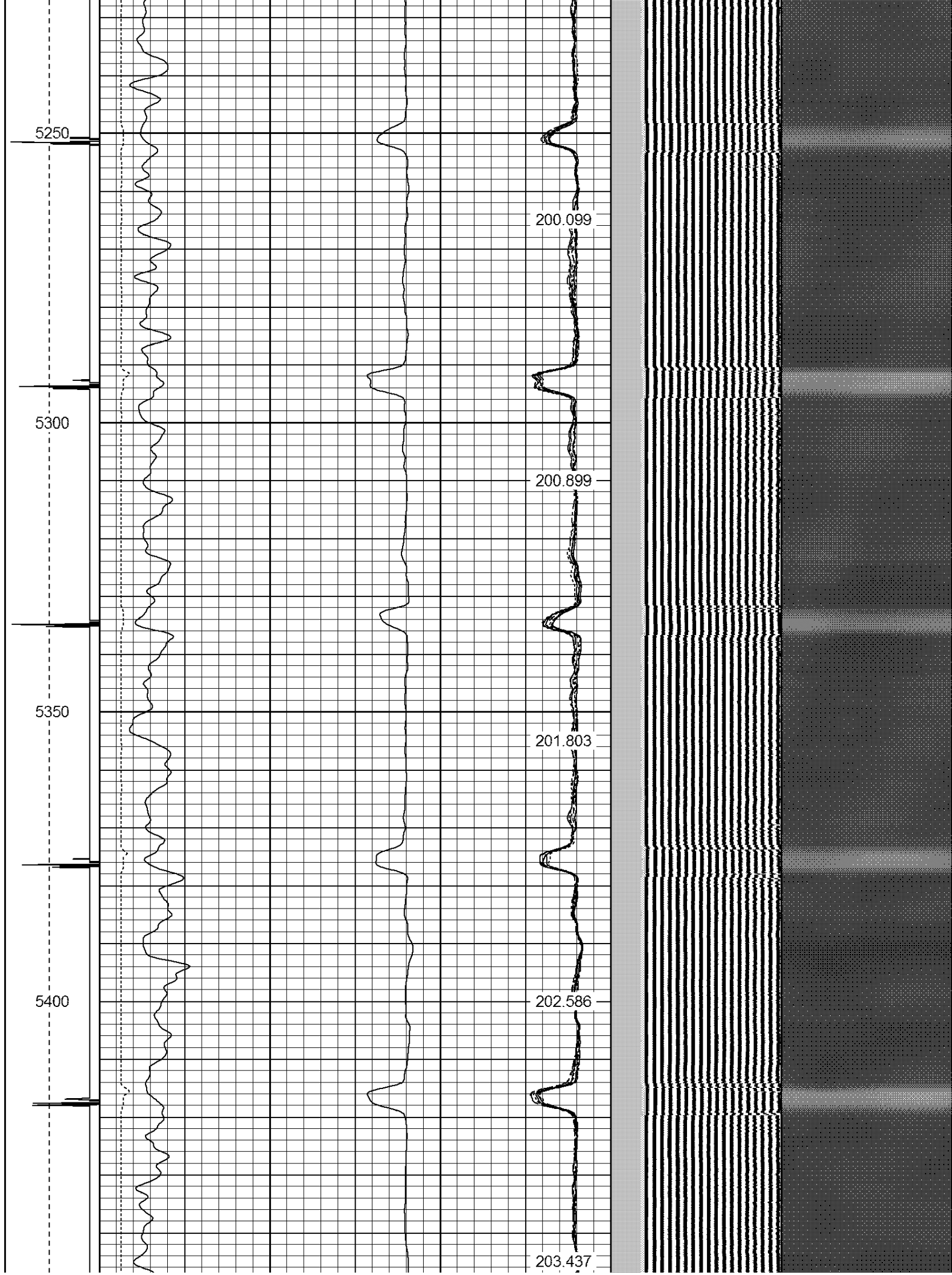


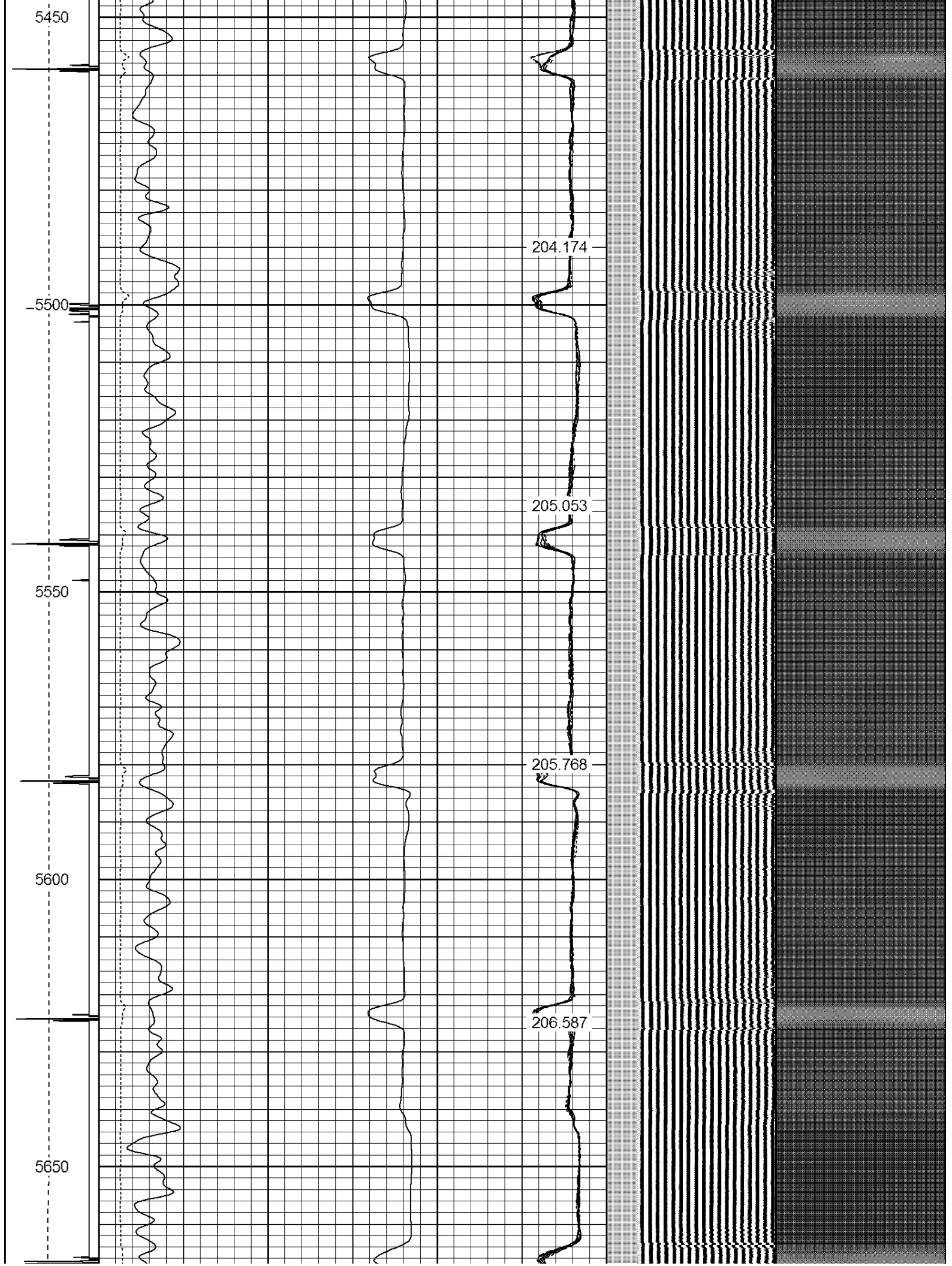


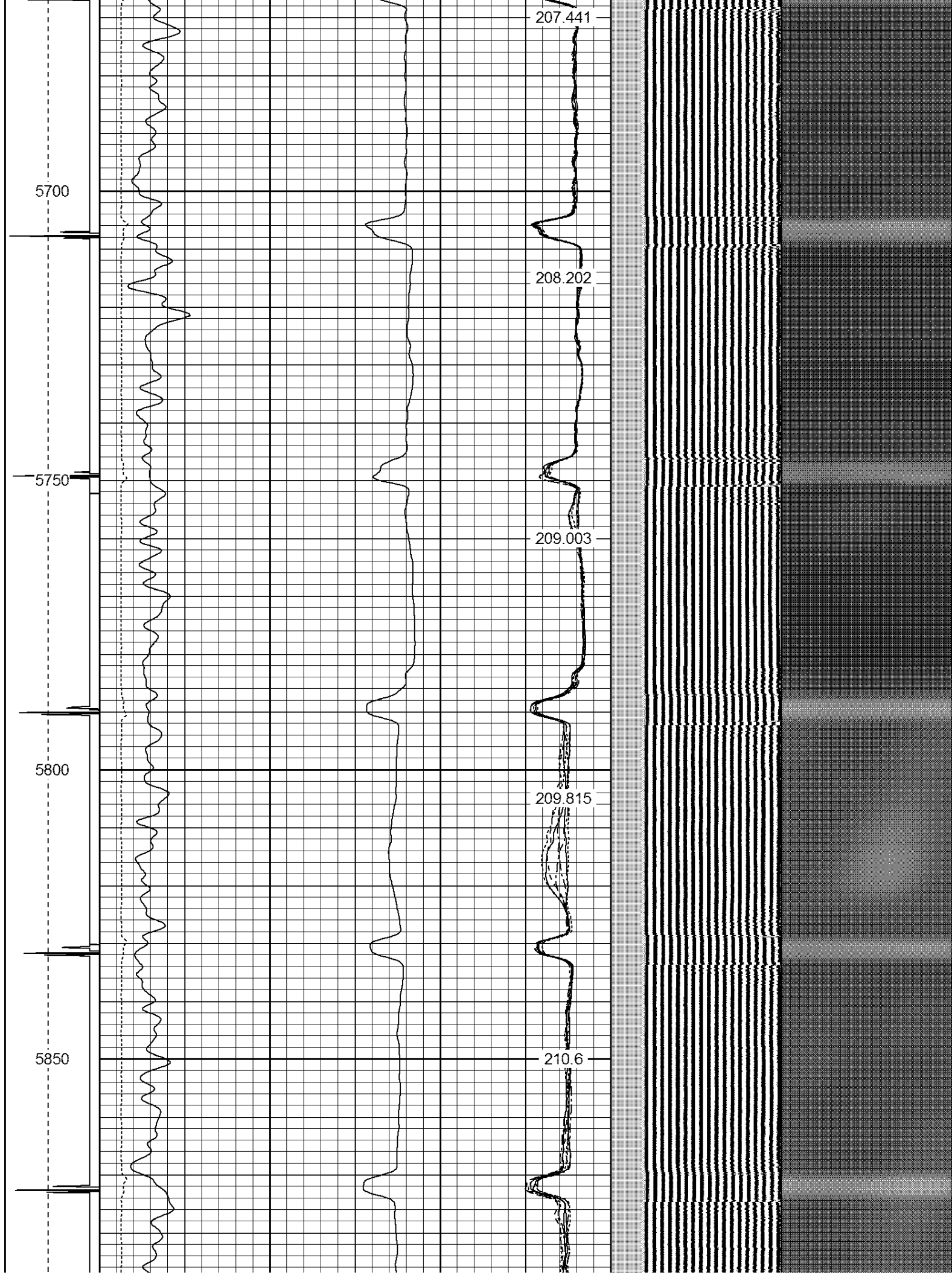


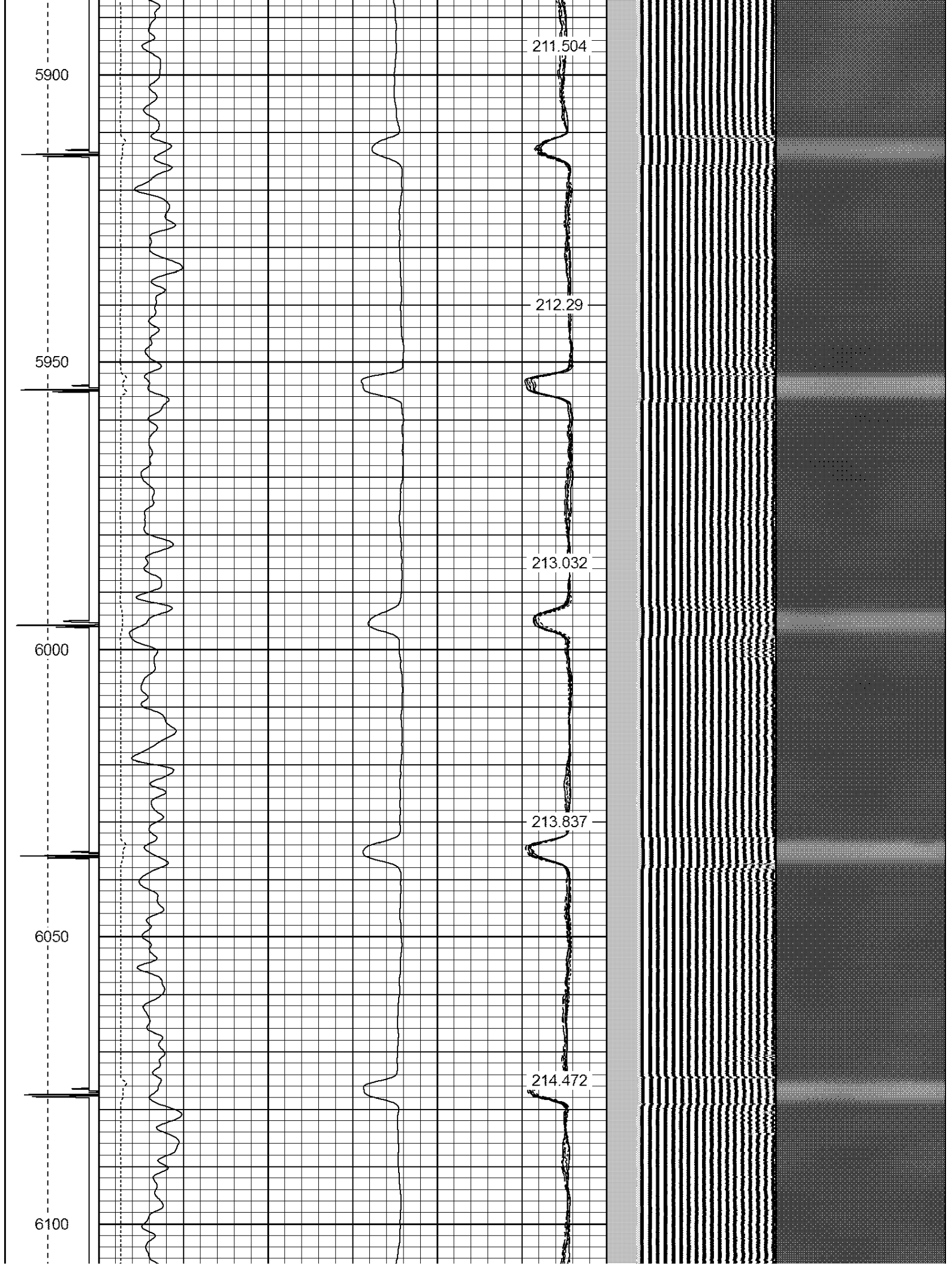


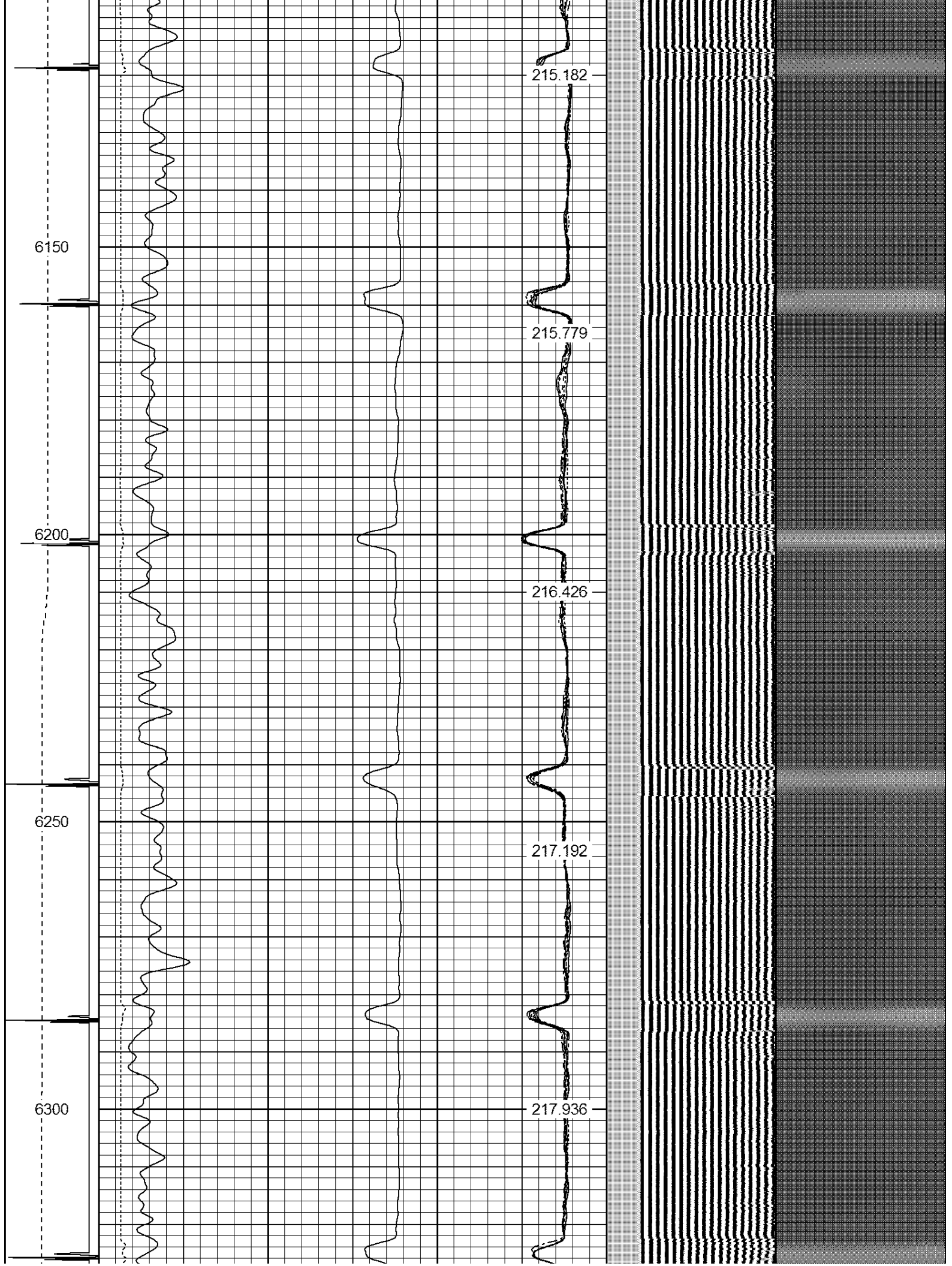


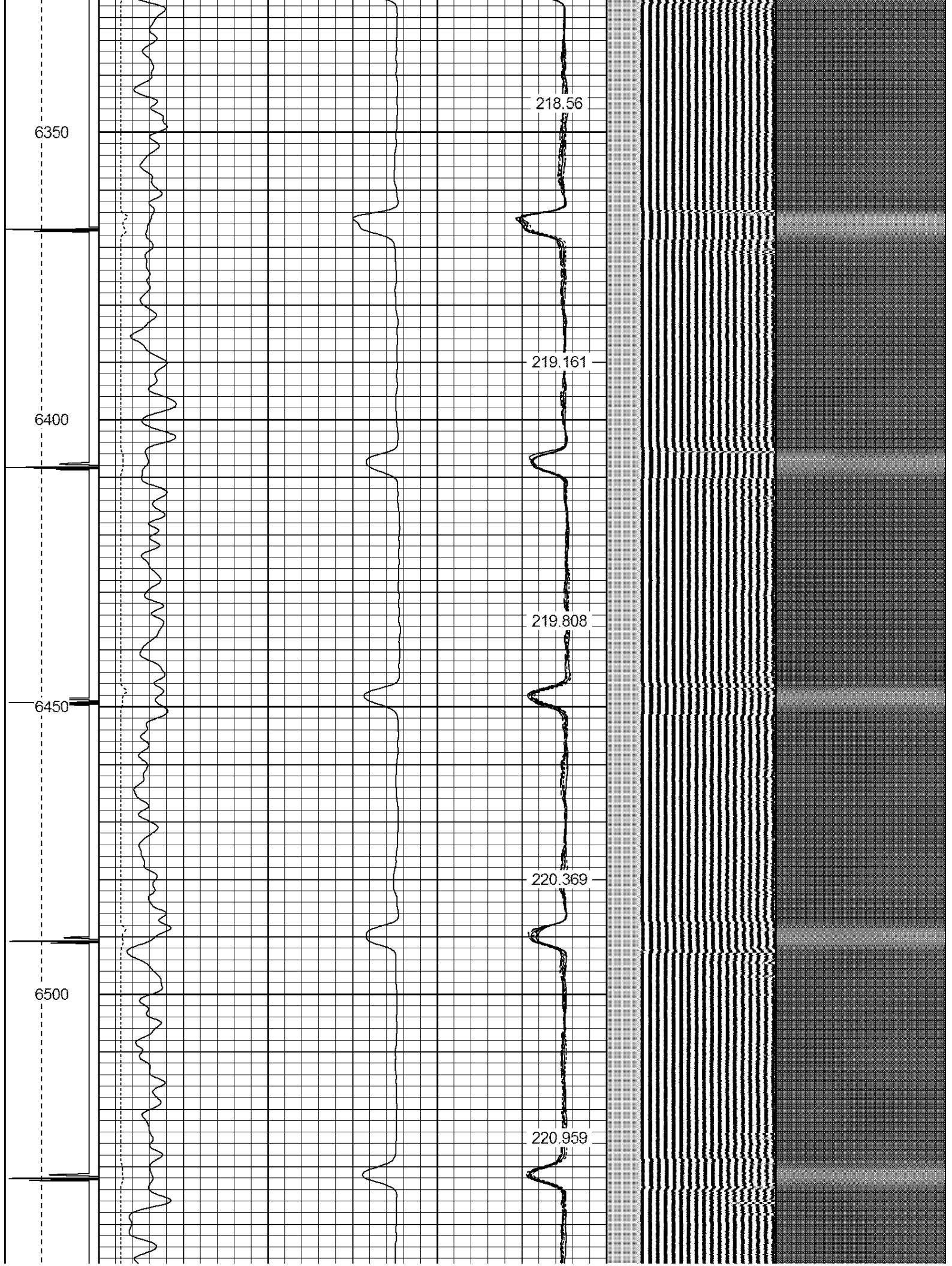


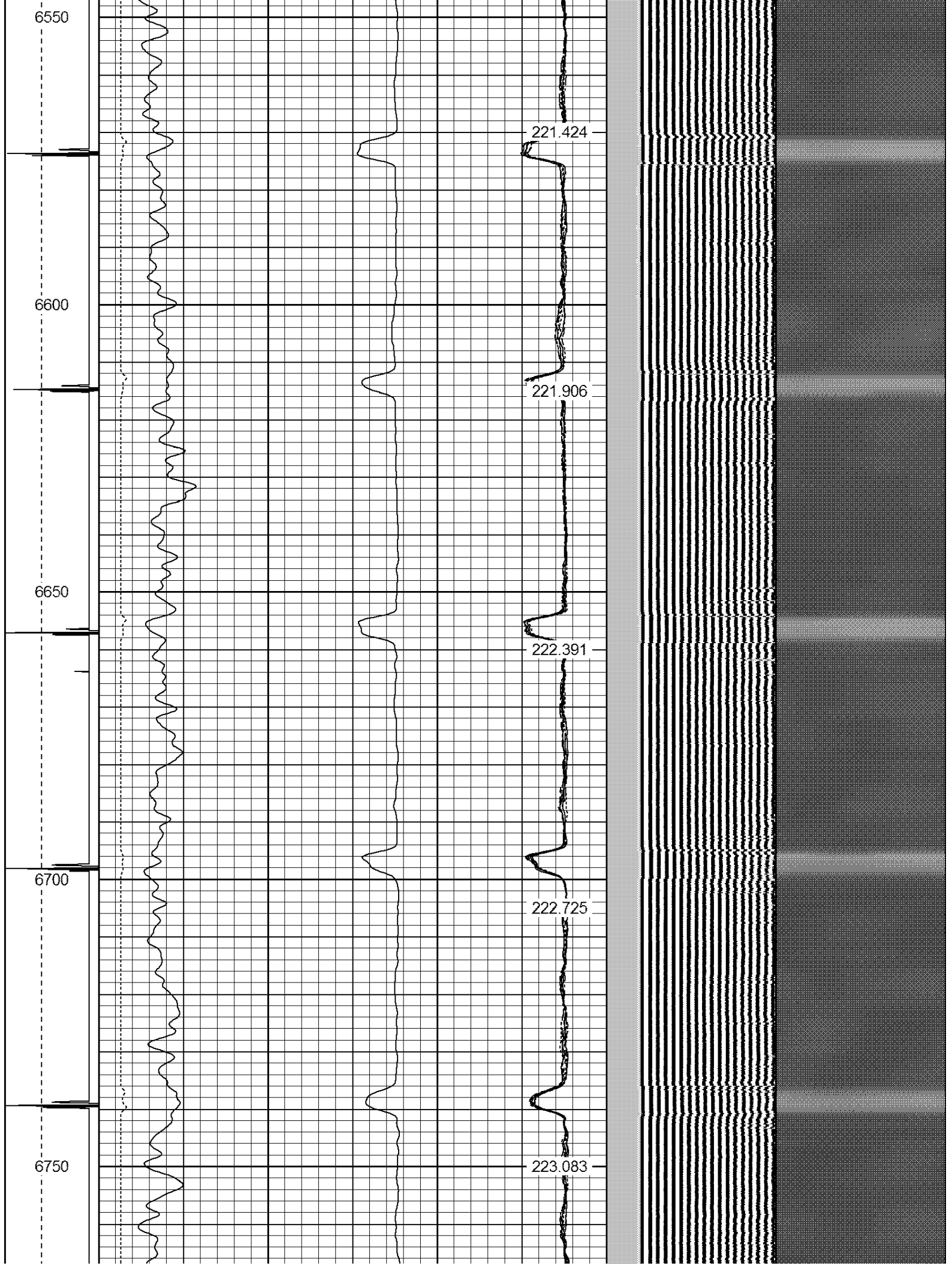


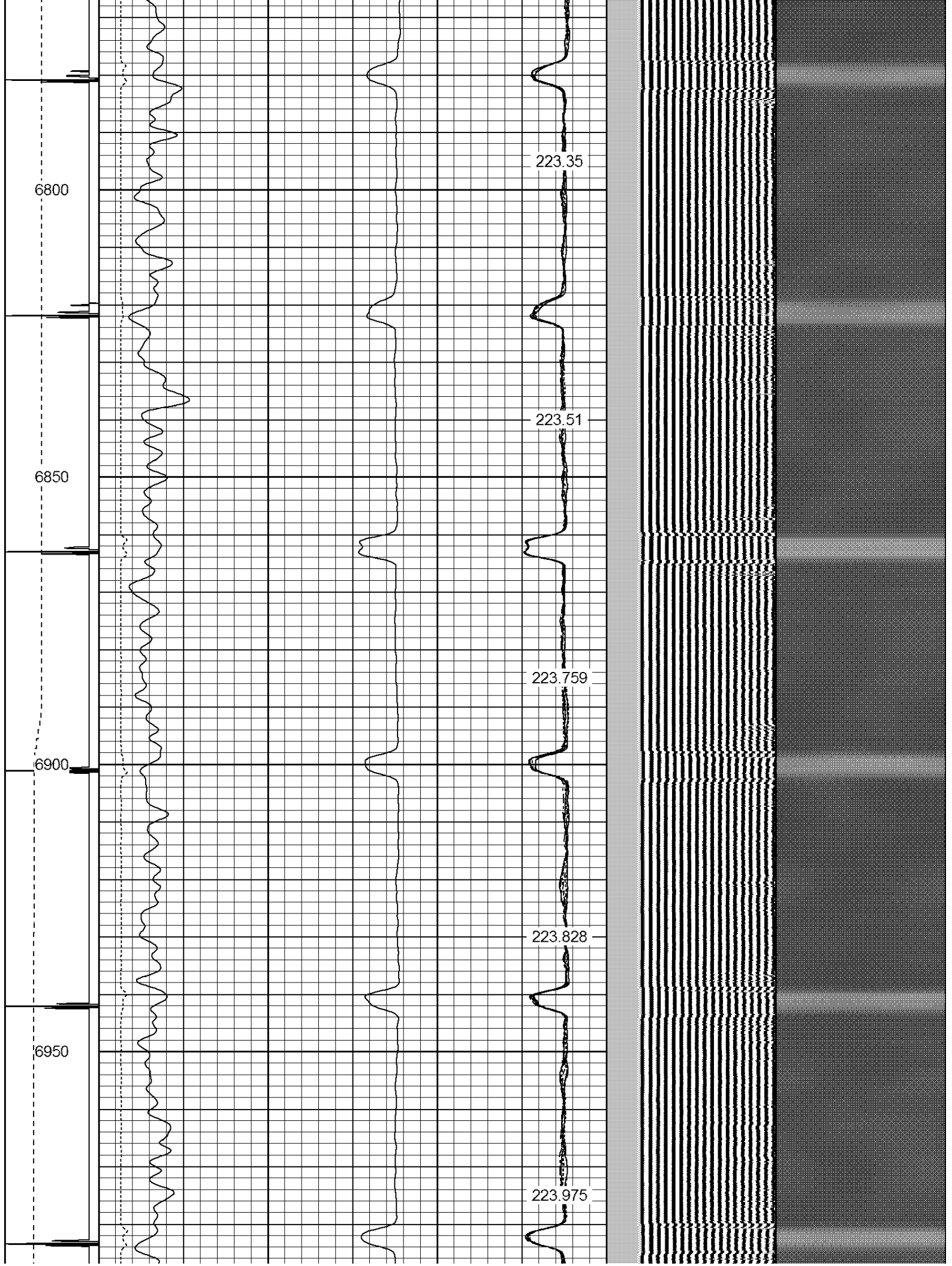


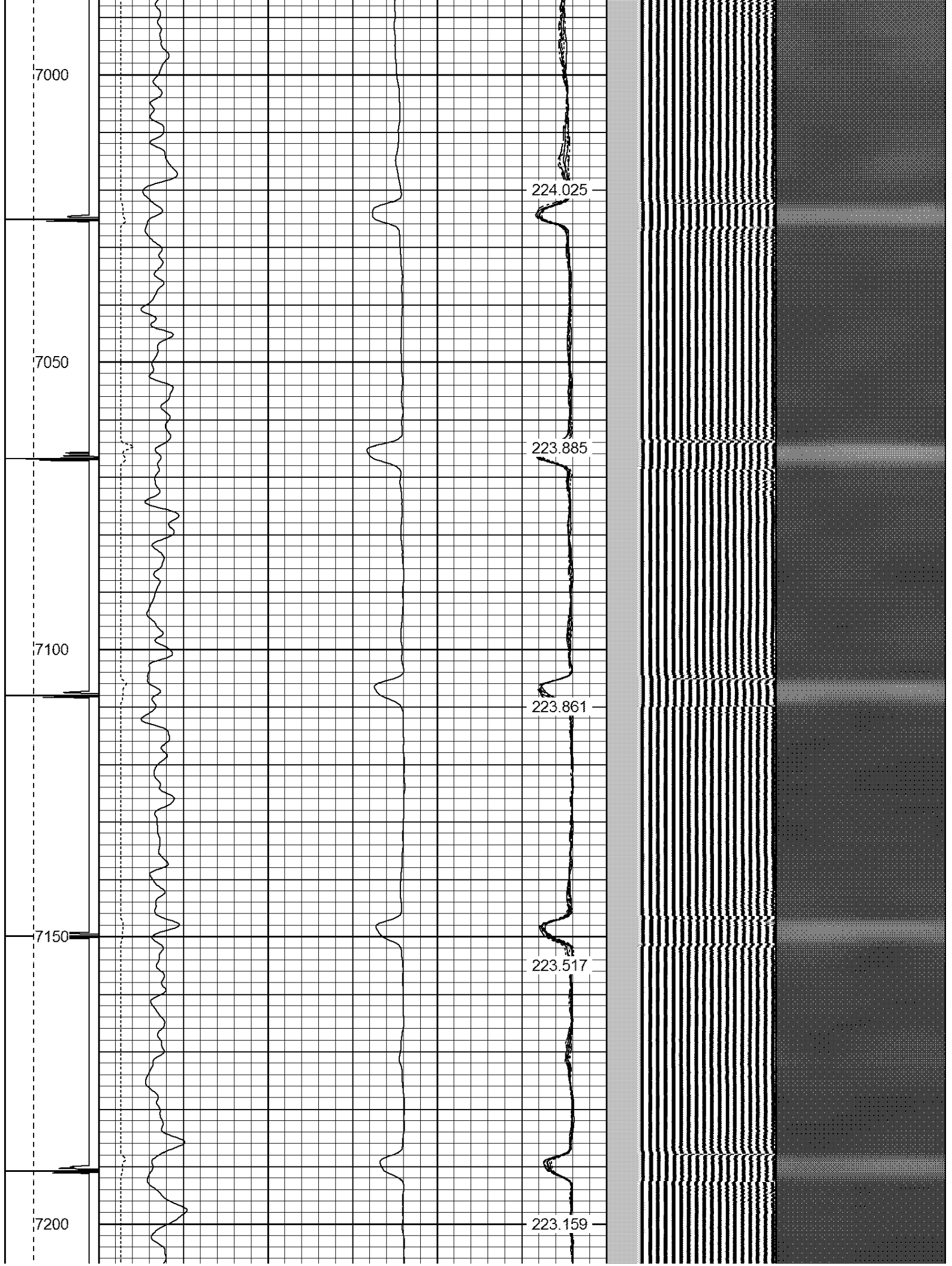


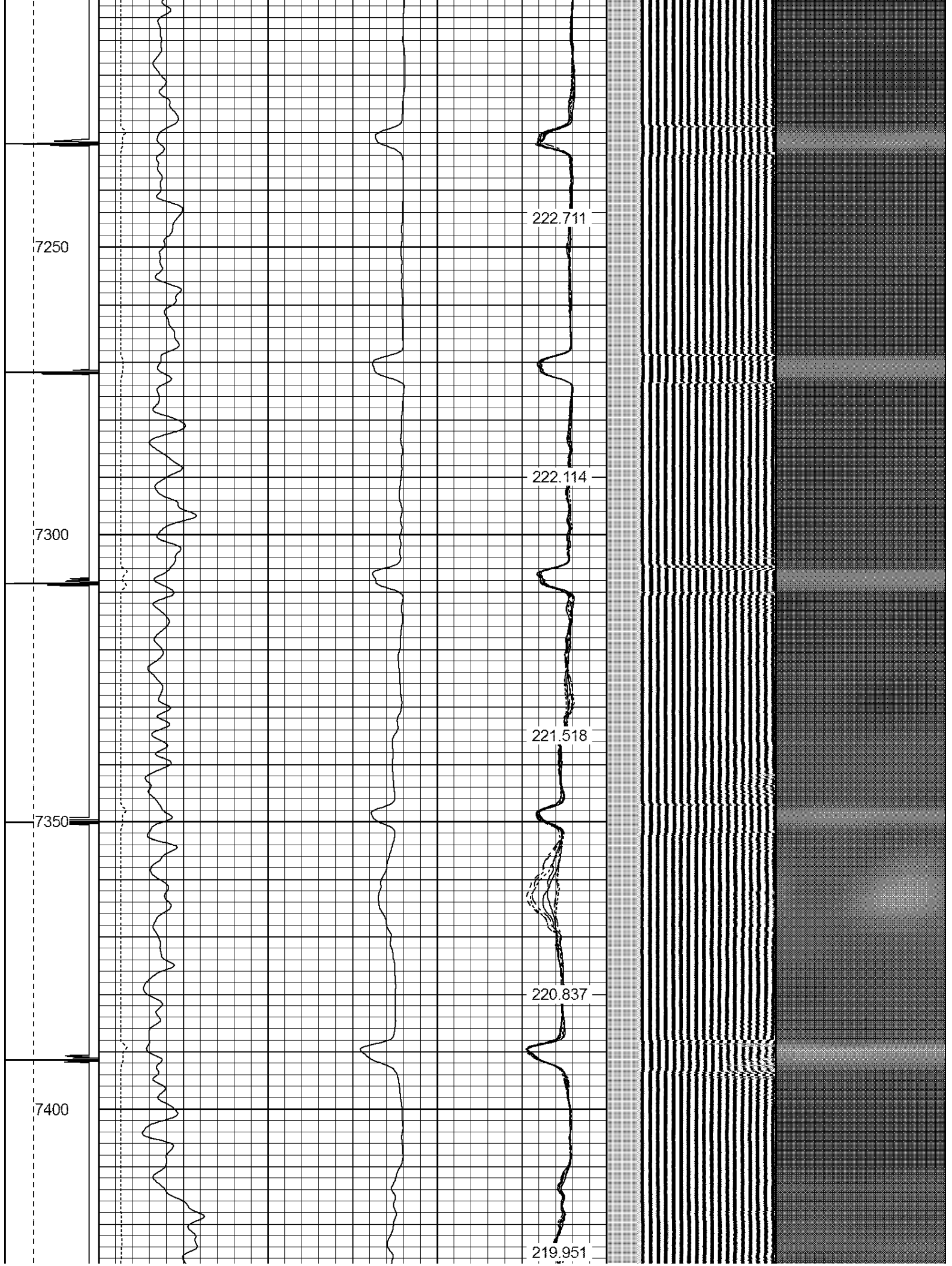


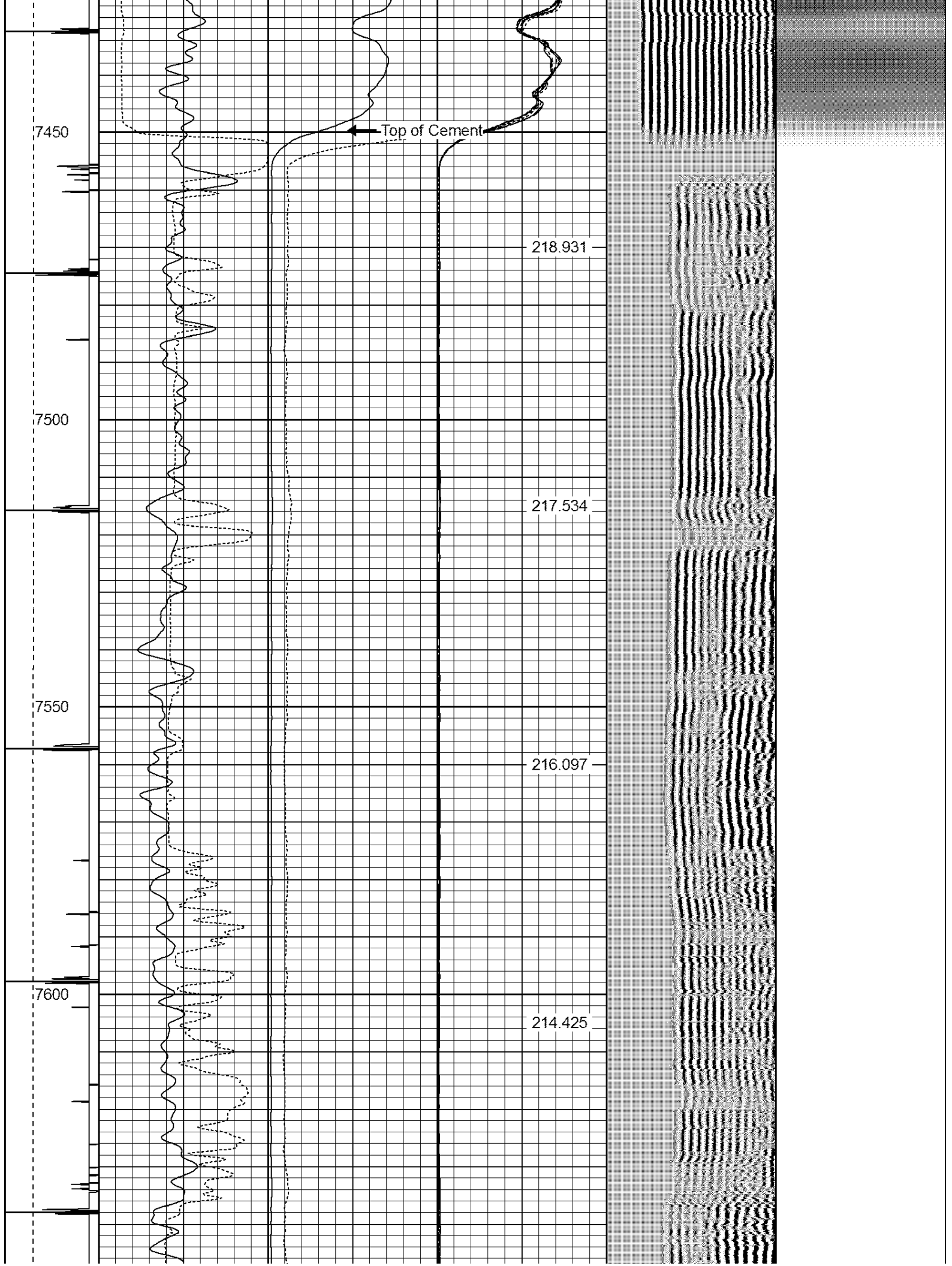


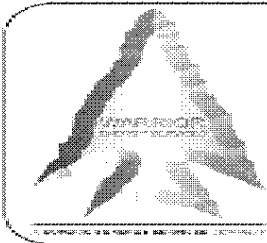
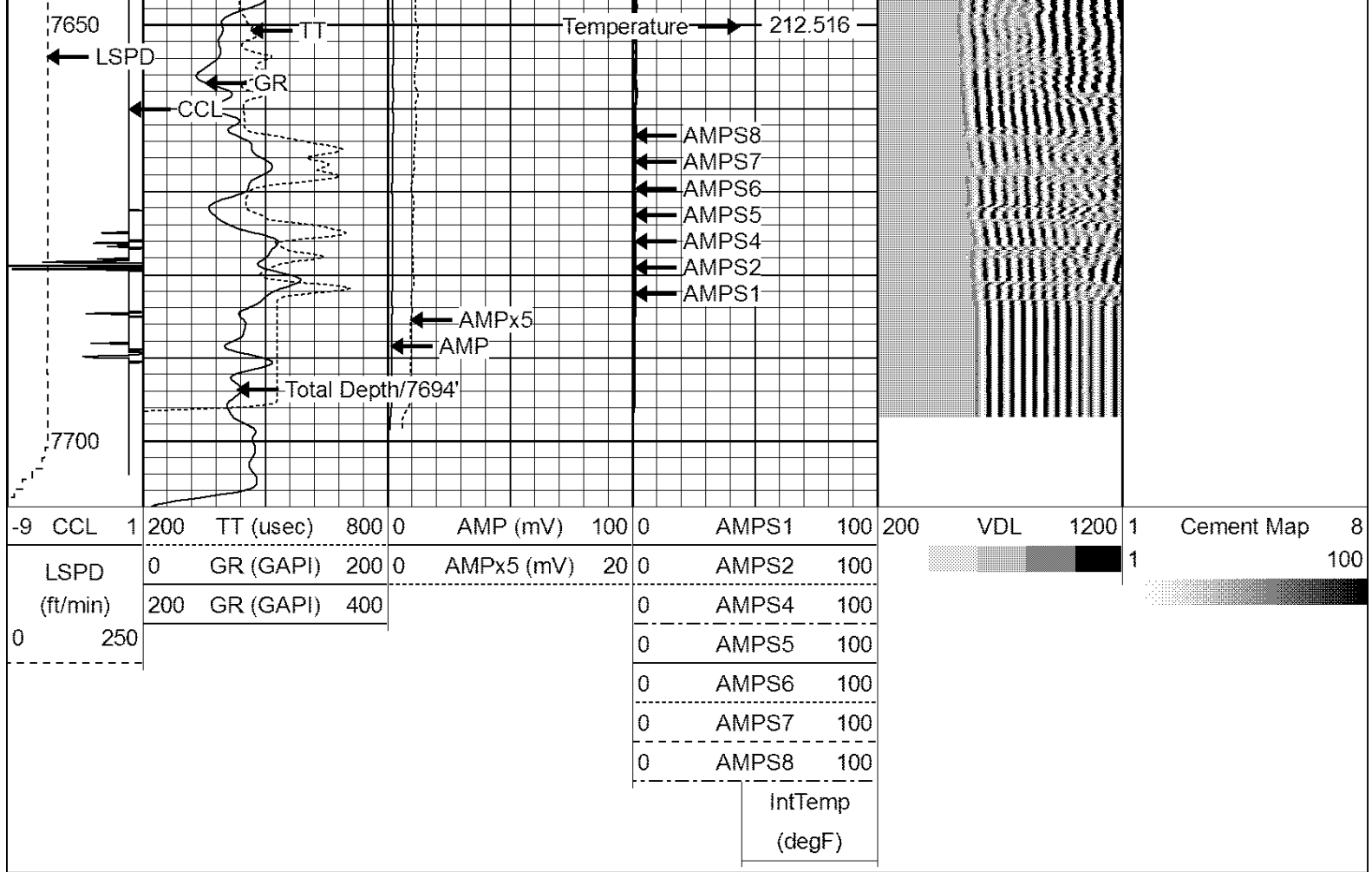












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