



RADIAL CEMENT BOND LOG

GAMMA RAY

CCL

Company KERR-McGEE OIL & GAS ONSHORE LP
Well DONALD E. MILLER UNIT C #1
Field WATTENBERG
County WELD
State COLORADO

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Location: API # : 05-123-07844
SW/SW

Other Services

SEC 4 TWP 1N RGE 67W

Permanent Datum	GL	Elevation	4993'	Elevation
Log Measured From	KB 10'			KB, 5003'
Drilling Measured From	KB			D.F. 5002'
				G.L. 4993'

Date 3-22-2014

Run Number	ONE		
Depth Driller	8234'		
Depth Logger	7550'		
Bottom Logged Interval	7550'		
Top Log Interval	SURFACE		
Open Hole Size	7 7/8"		
Type Fluid	WATER		
Density / Viscosity	1.0		
Max. Recorded Temp.	205		
Estimated Cement Top	7364/4180/180'		
Time Well Ready	N/A		
Time Logger on Bottom	N/A		
Equipment Number	5432		
Location	GREELEY		
Recorded By	M. JANDREAU		
Witnessed By	L. WEBB		

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	205'
Prot. String				
Production String	4 1/2	11 6# & 10.5#	0	8233'
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 BOND LOG TO VERIFY CEMENT
THANK YOU FOR USING WARRIOR ENERGY SERVICES!!!!

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

Tool Joint	Length (ft)	Weight (lb)	O.D. (in)	Notes
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			
PTS275	2.83	2.75		
RBT-Probe (Base)	8.92	2.75	90.00	Probe Radii Bond Tool with Digital Telemetry
CNT-Probe_B (275)	3.00	2.75	40.00	6 bow centralizer
GR-Probe (275)	4.33	2.75	30.00	Probe 2.75"

Dataset: donald e miller unit c #1.db: field/well/run1/pass4

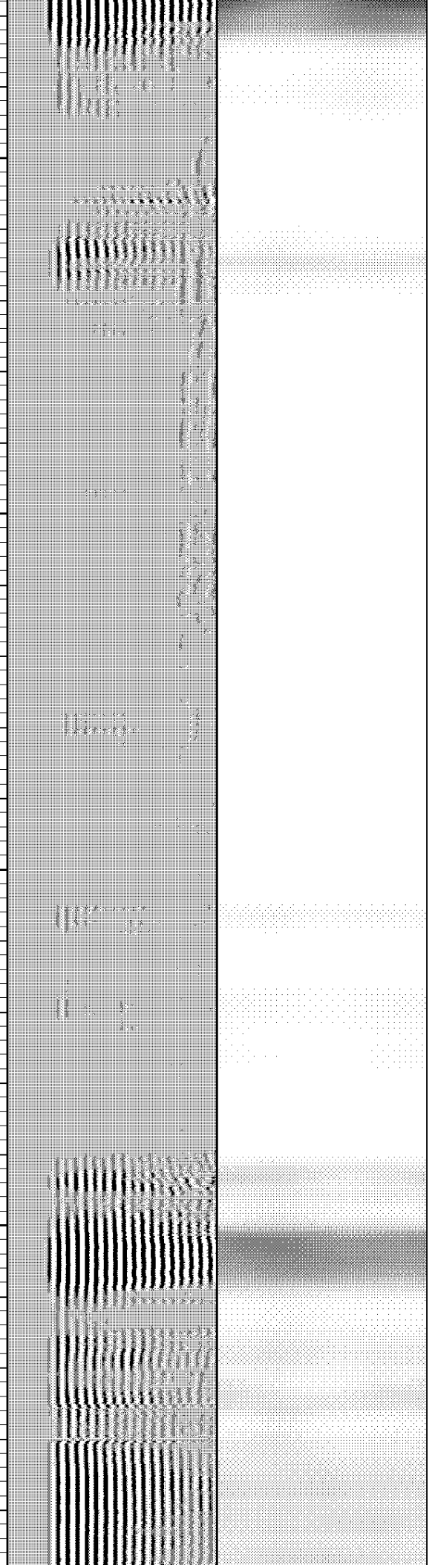
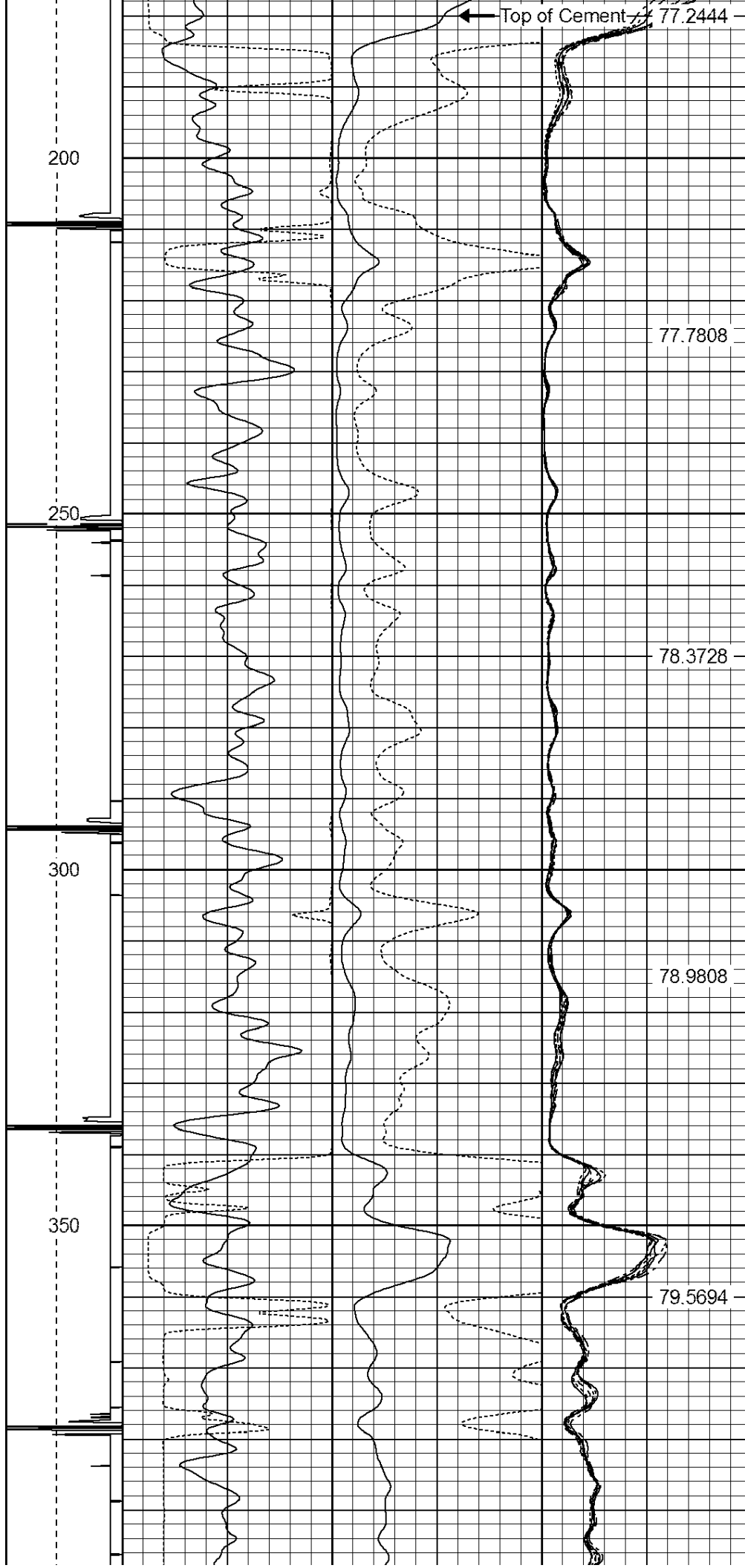
Total Length: 19.08 ft

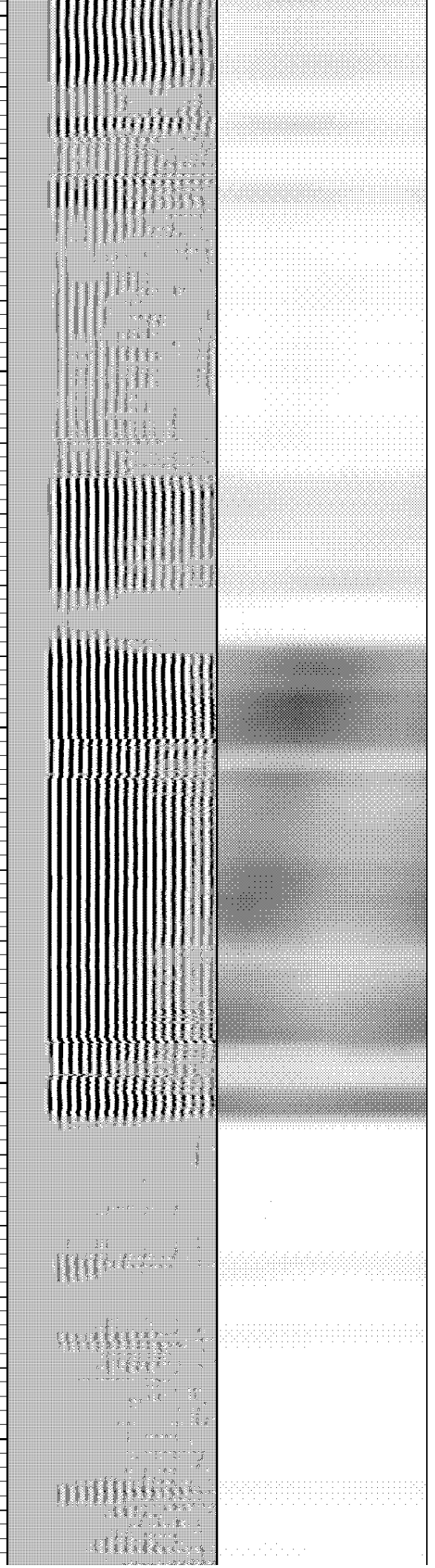
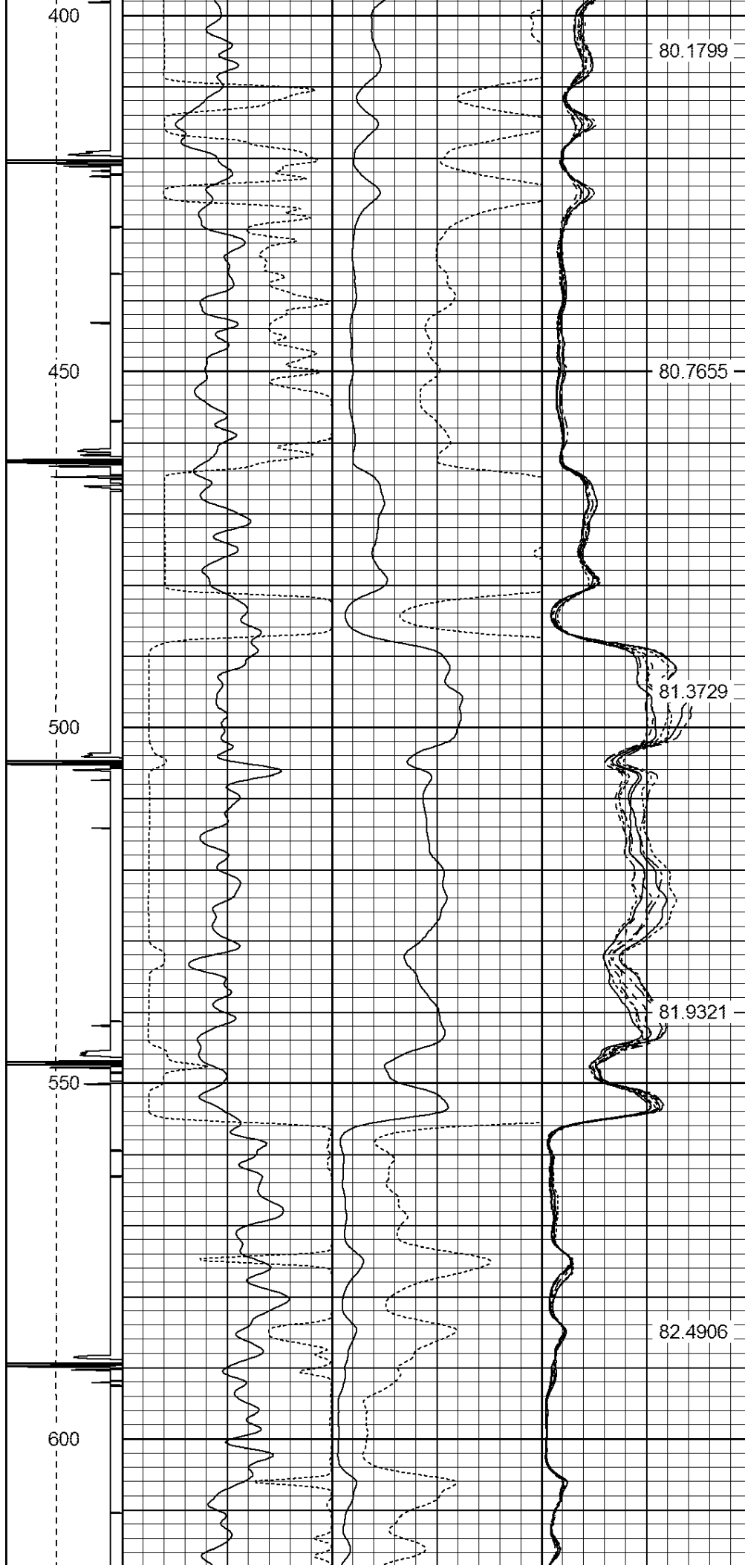
Total Weight: 160.00 lb

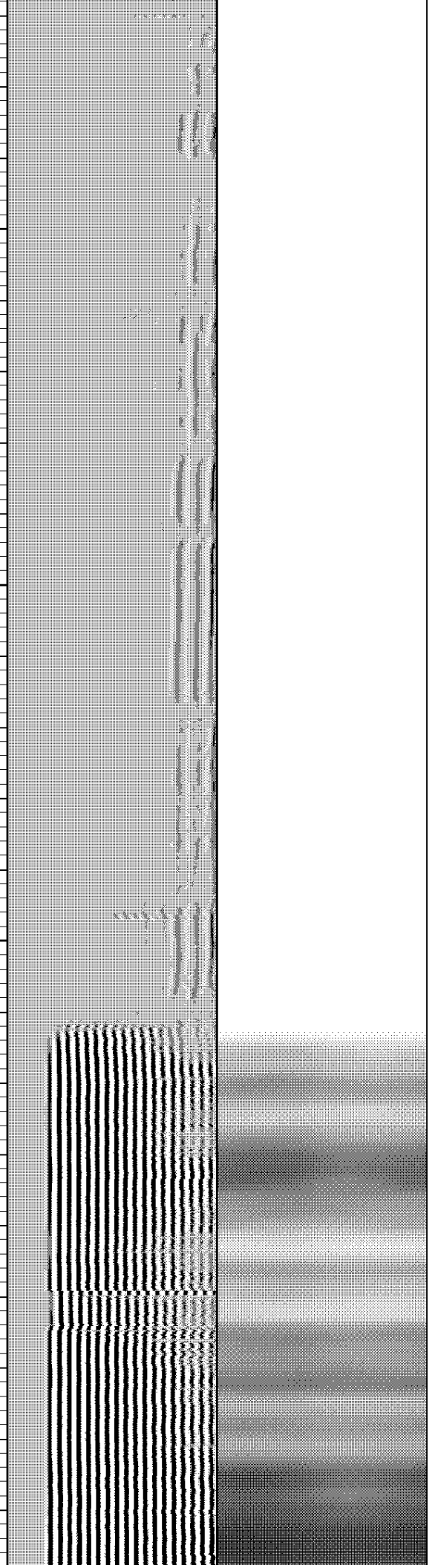
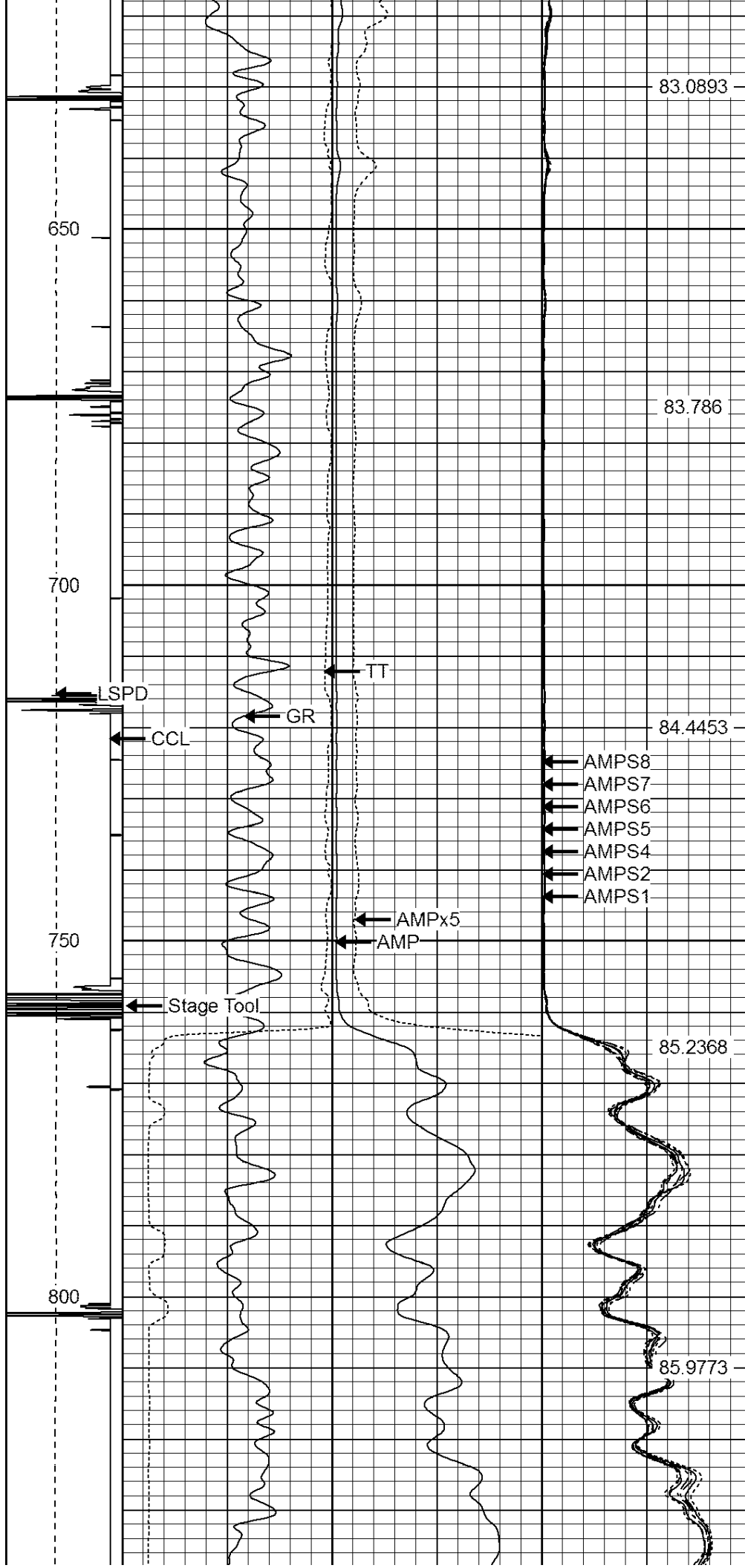
O.D. 2.75 in

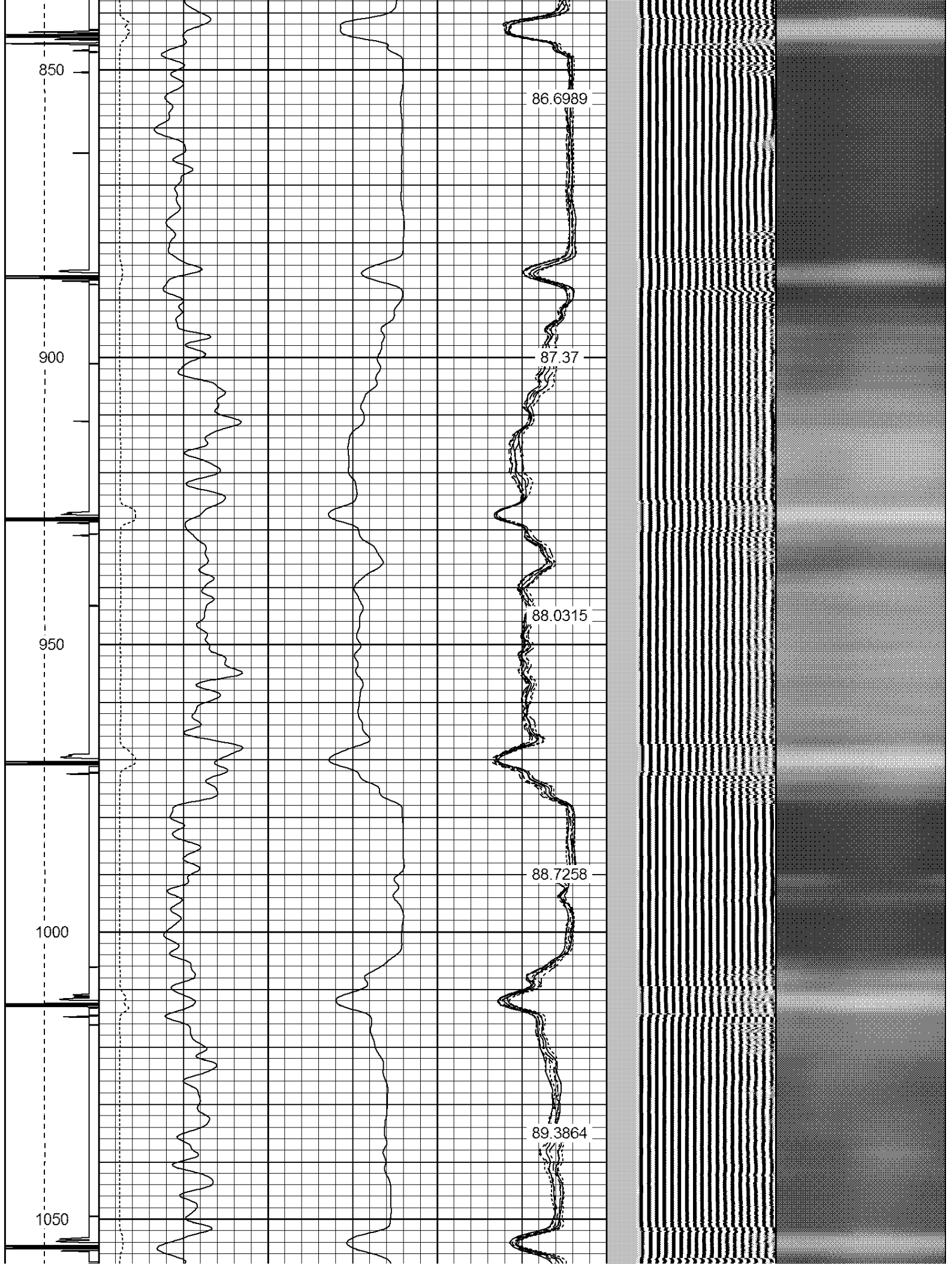
-9	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
LSPD			0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				1		100
(ft/min)			200	GR (GAPI)	400				0	AMPS4	100						
0	250								0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100		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

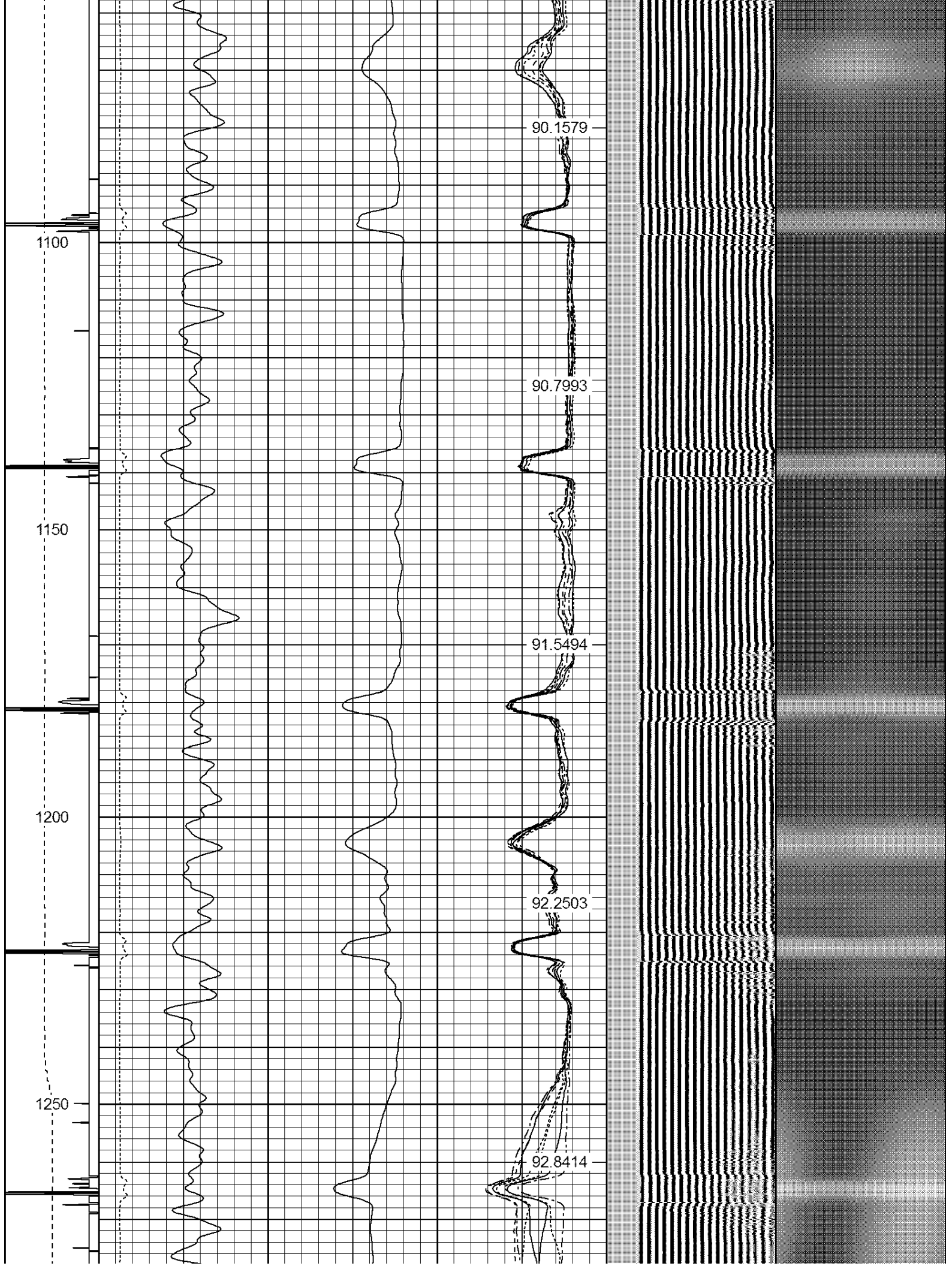






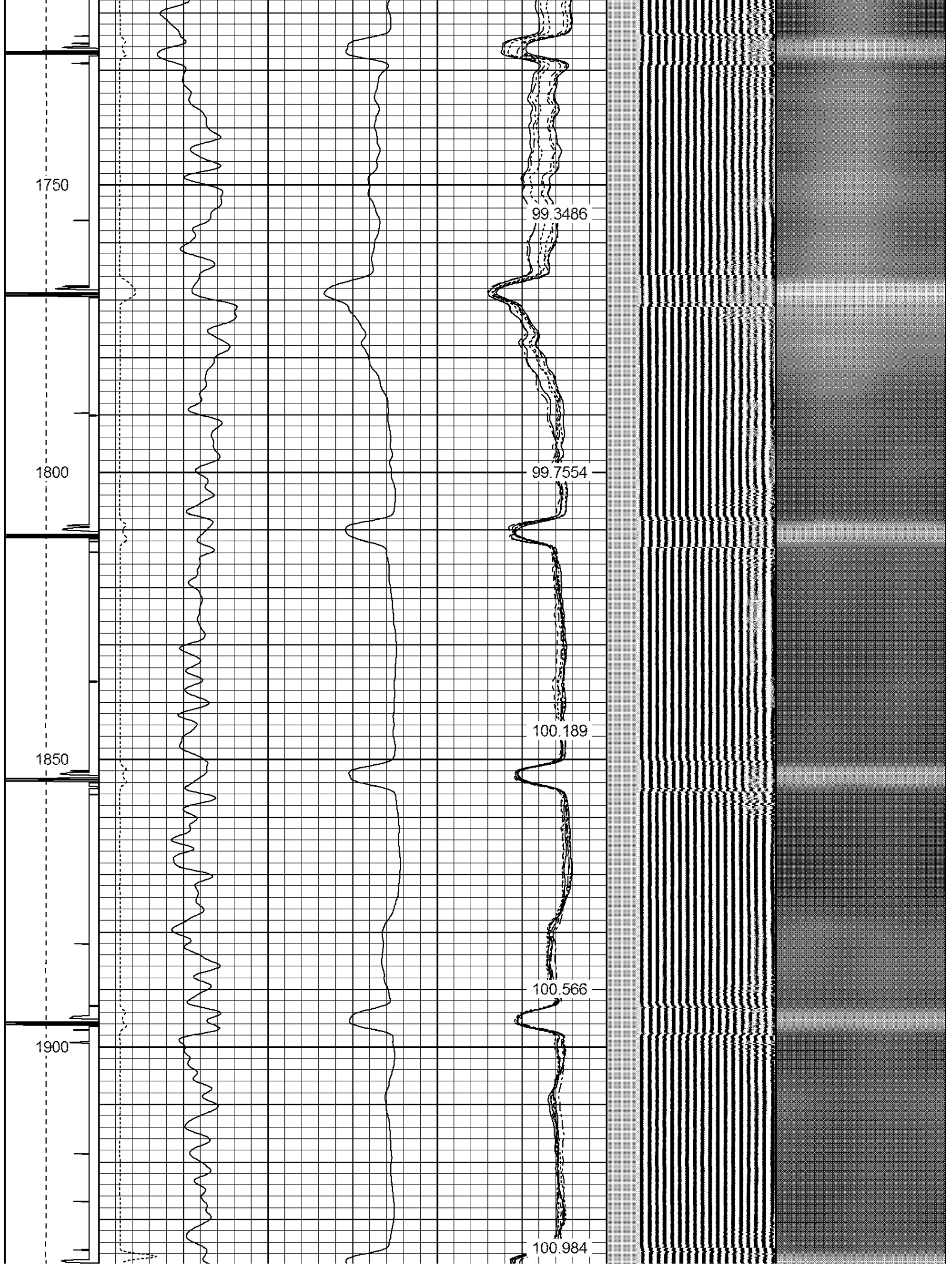


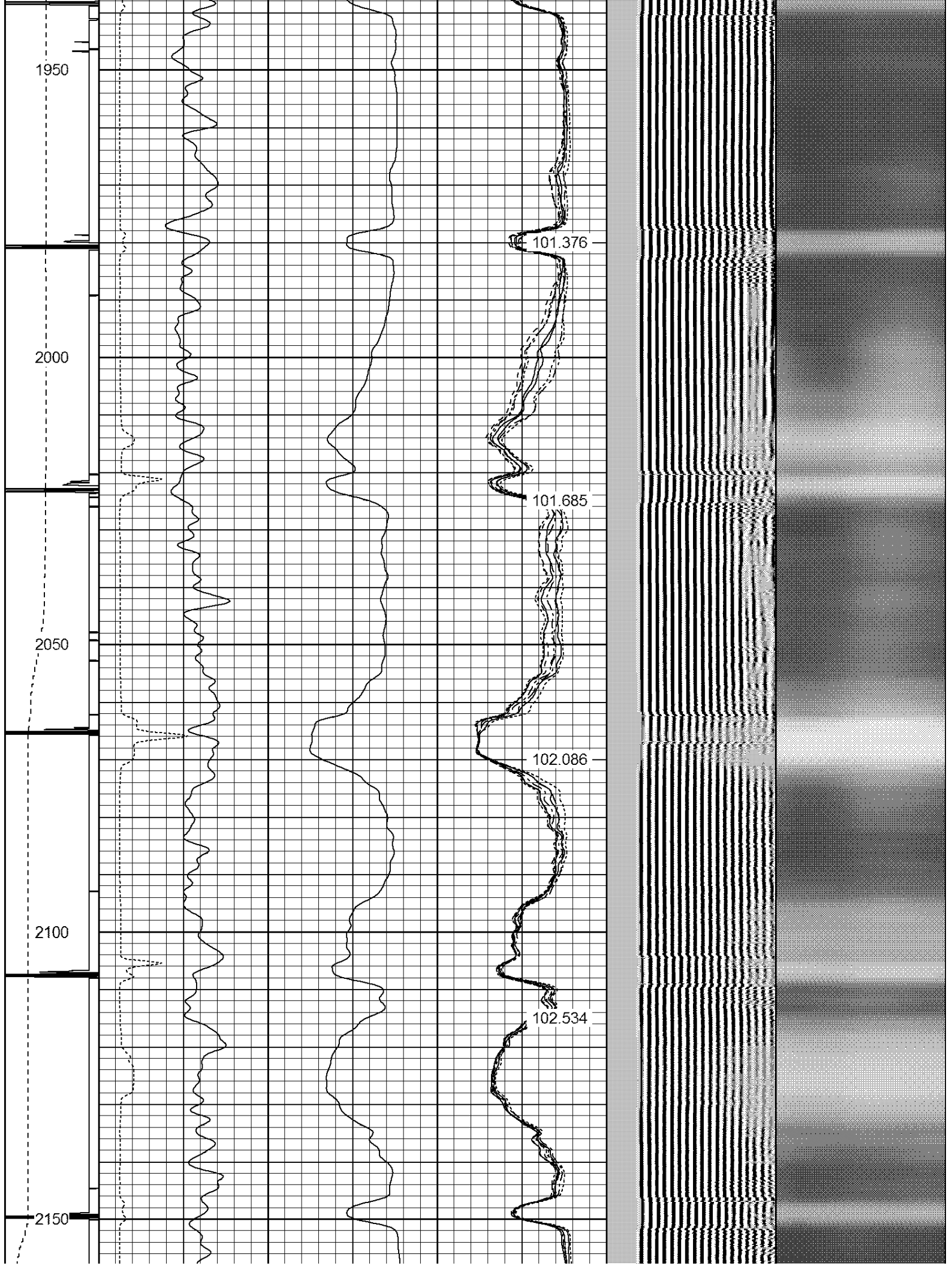


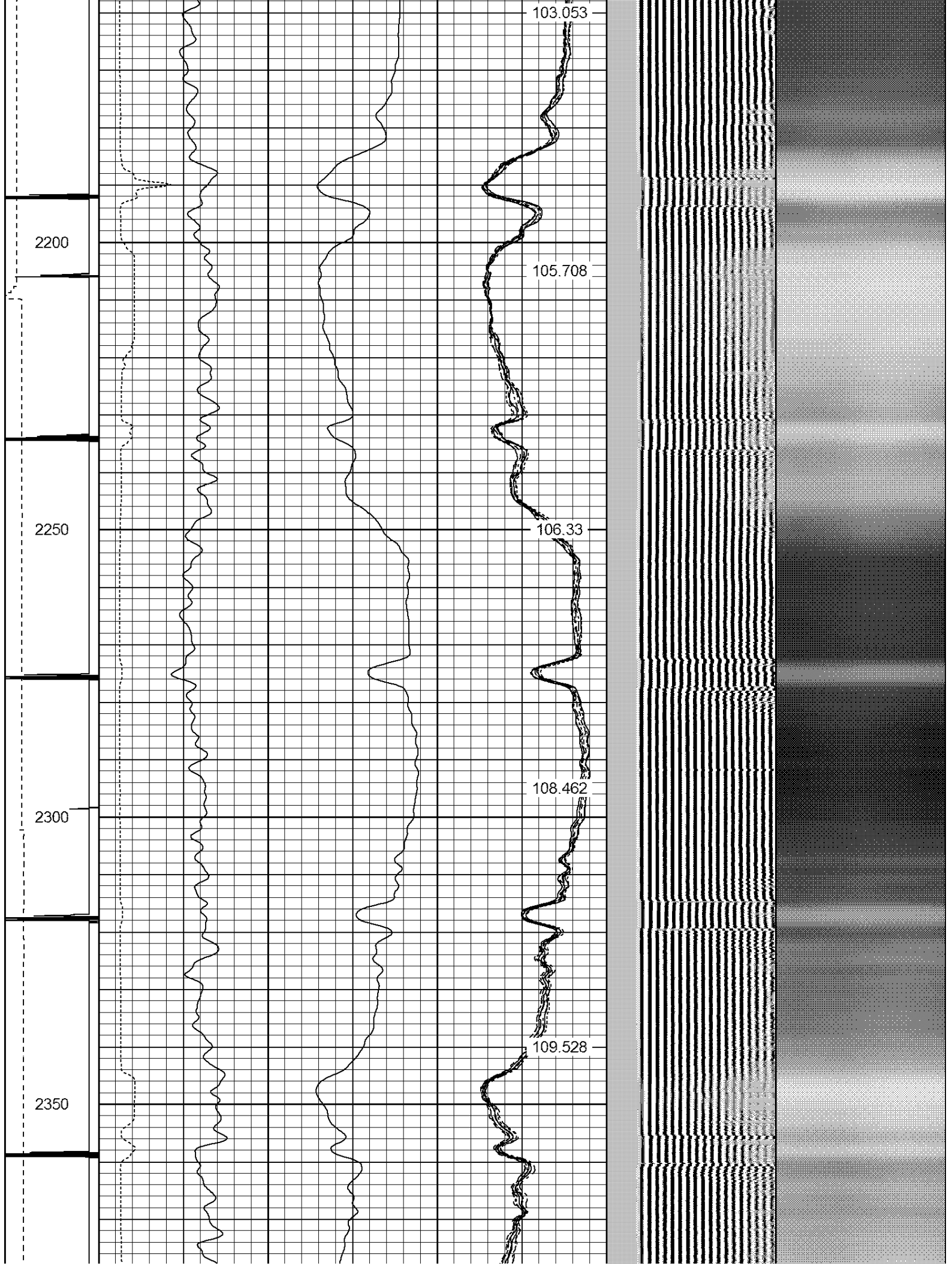


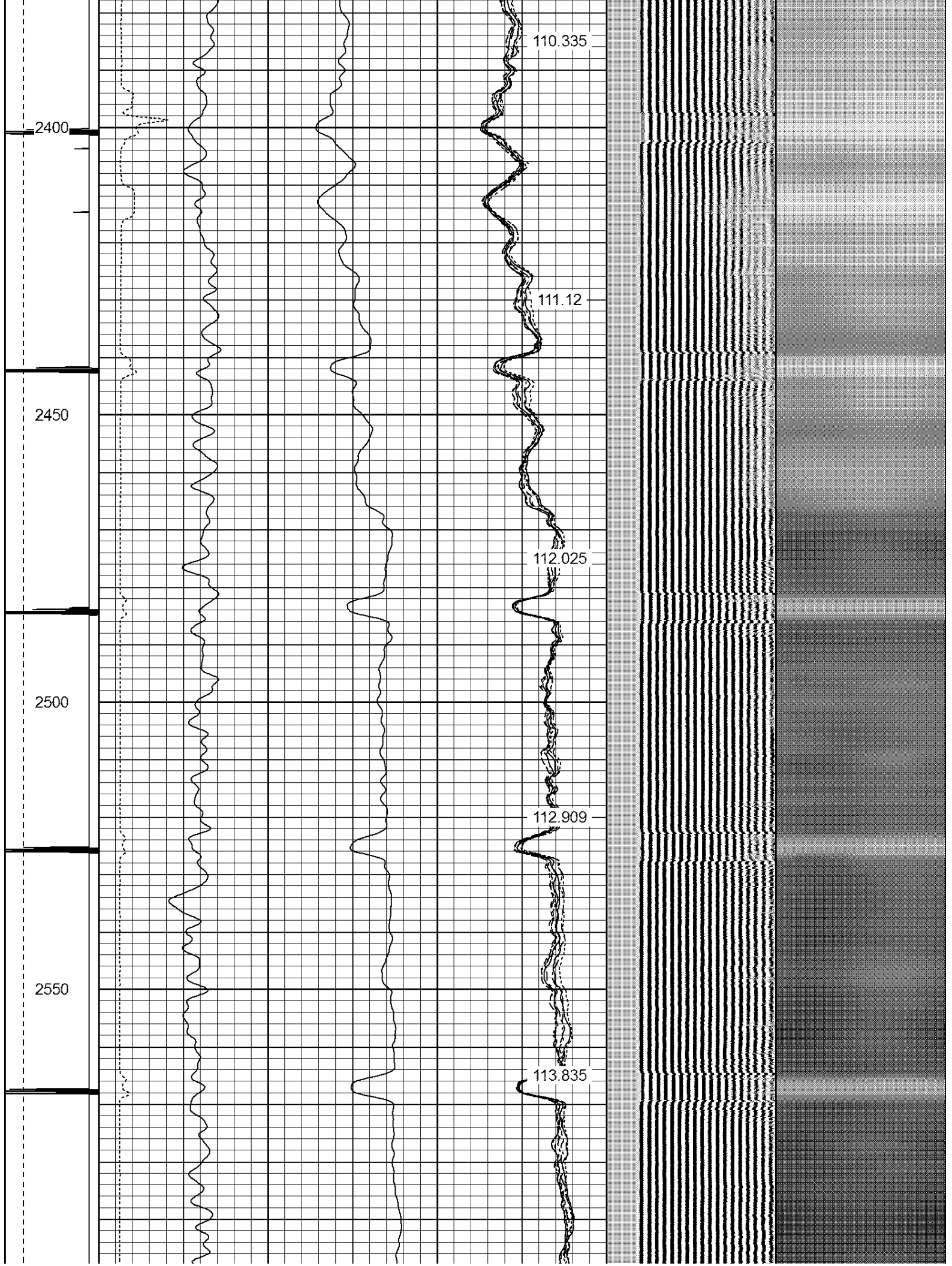


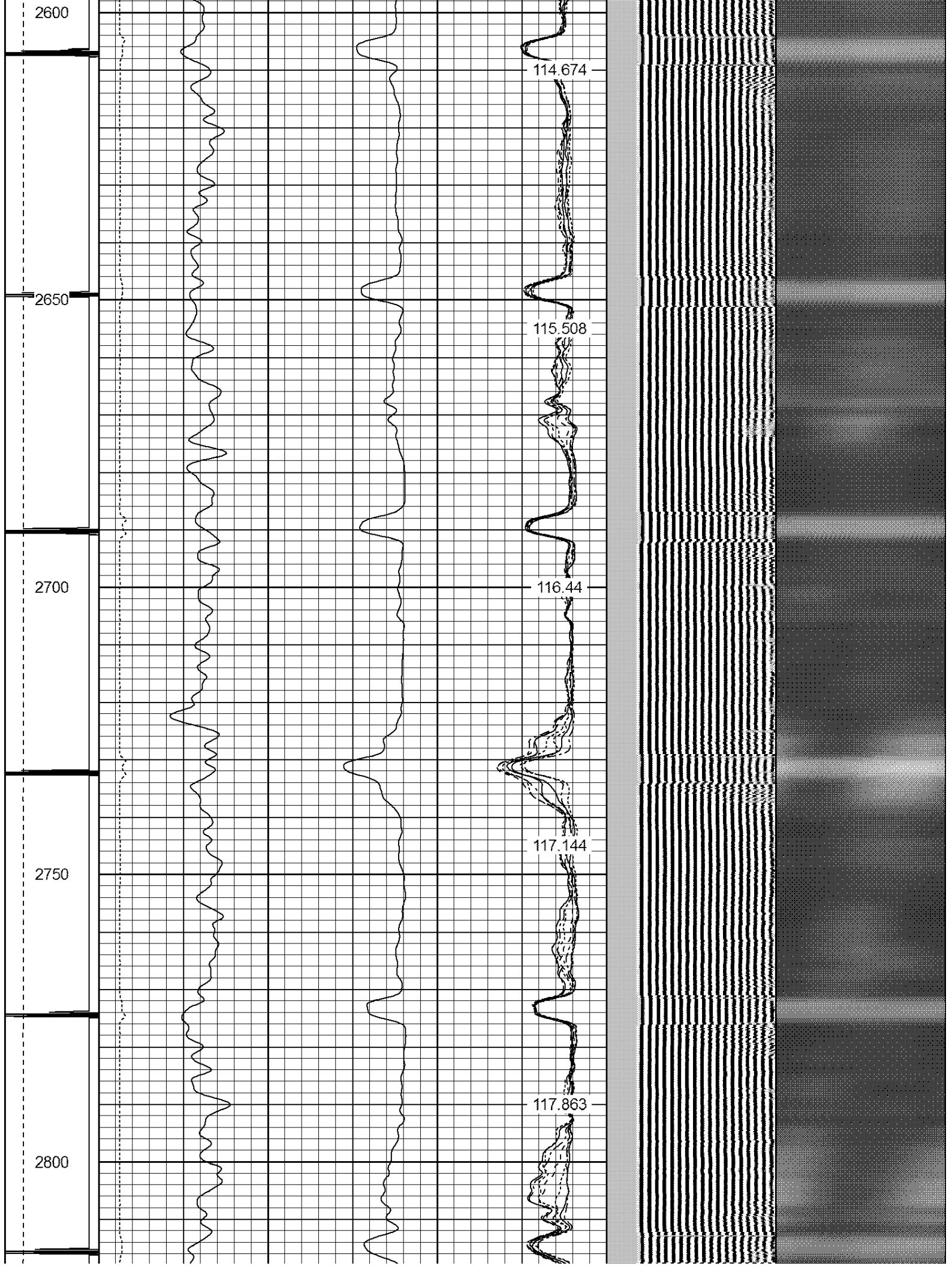


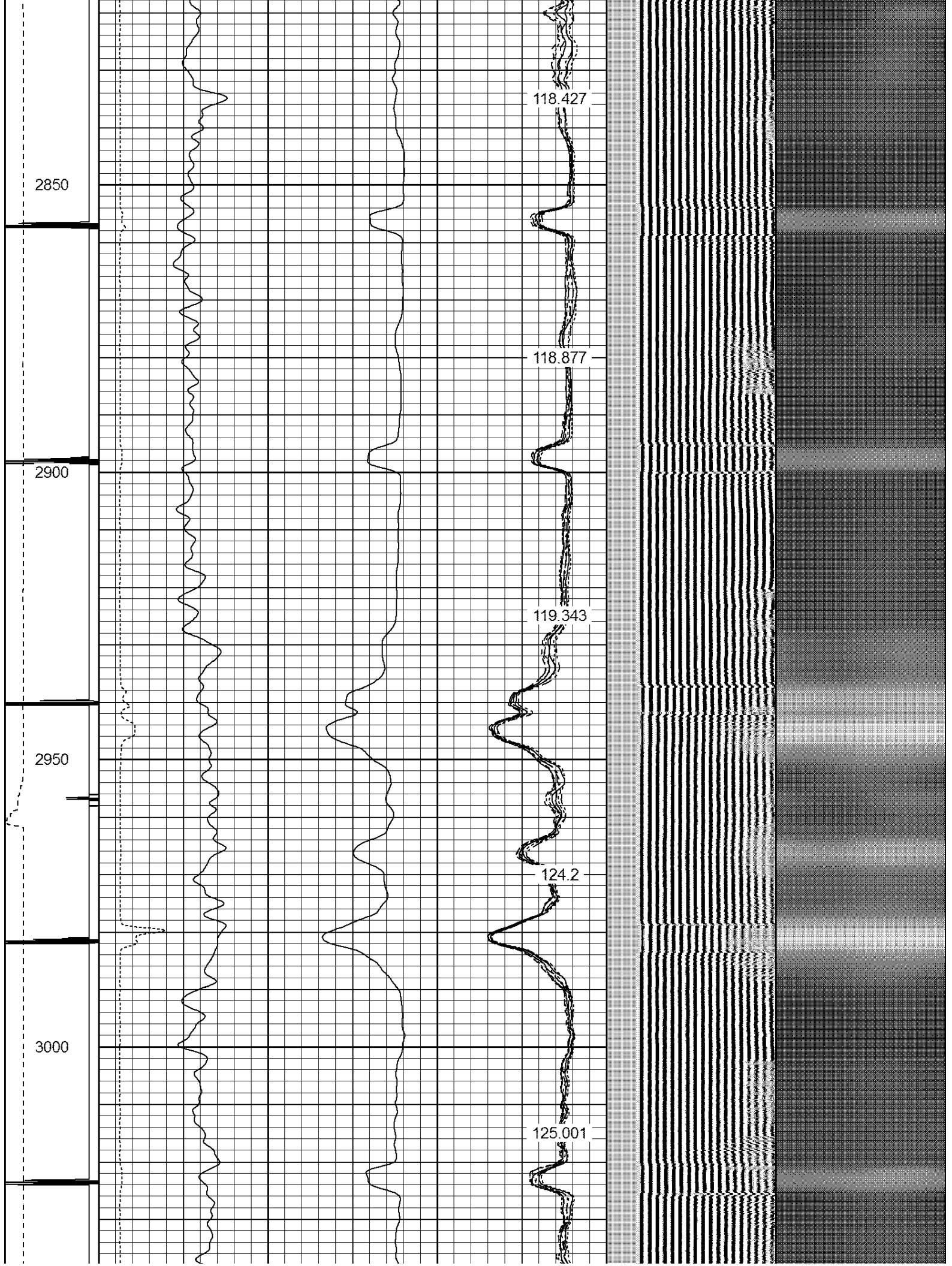


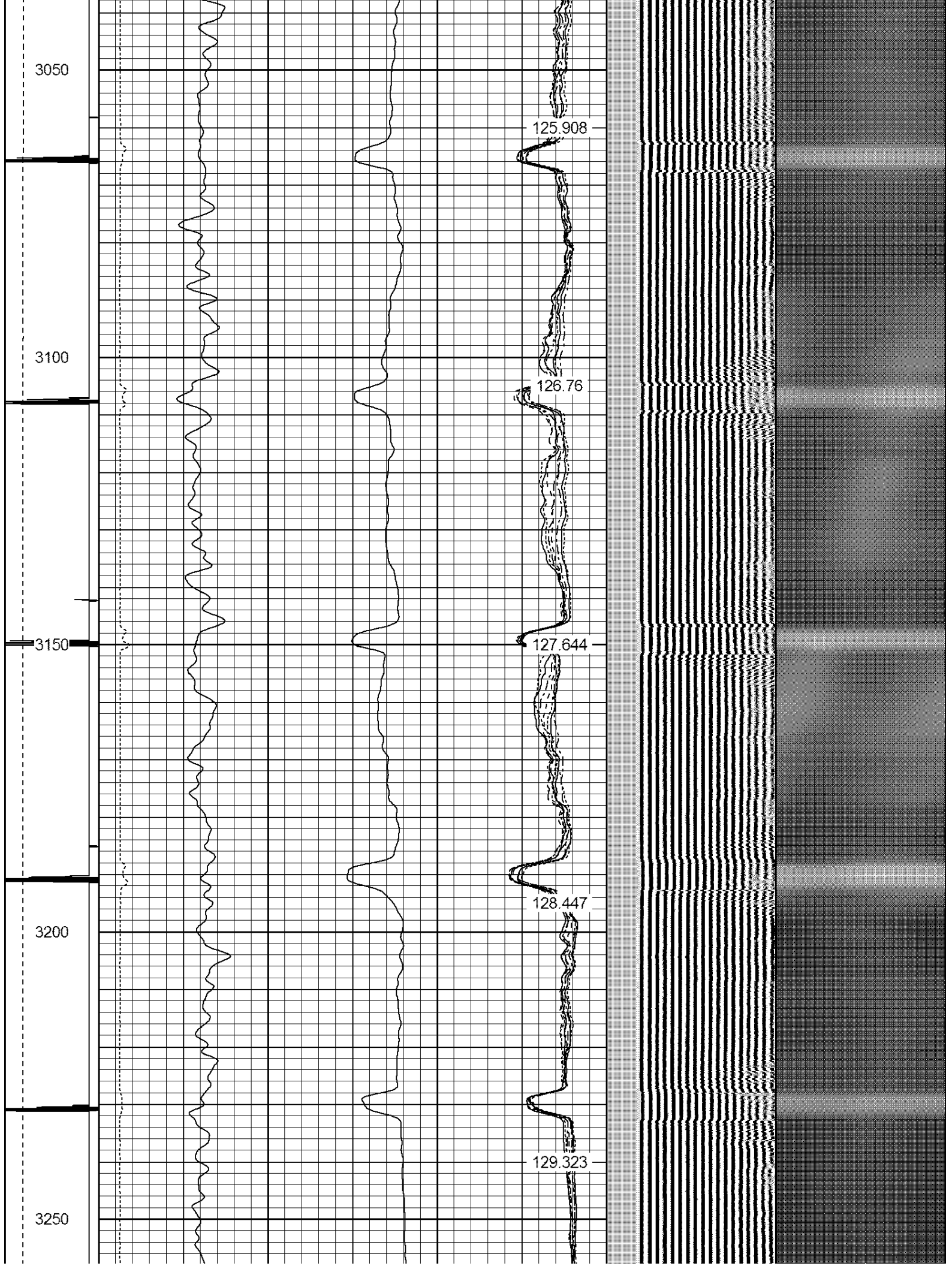


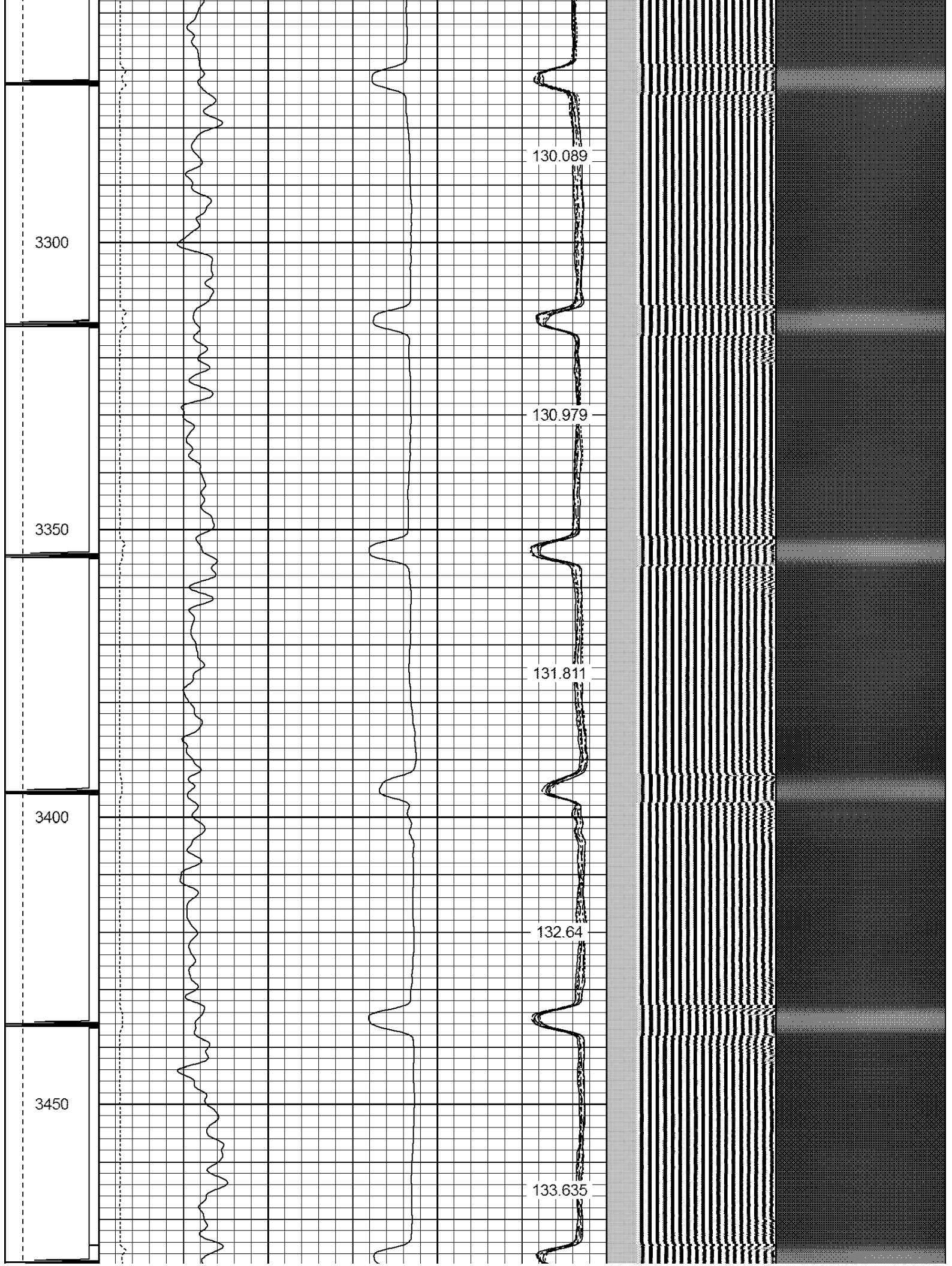


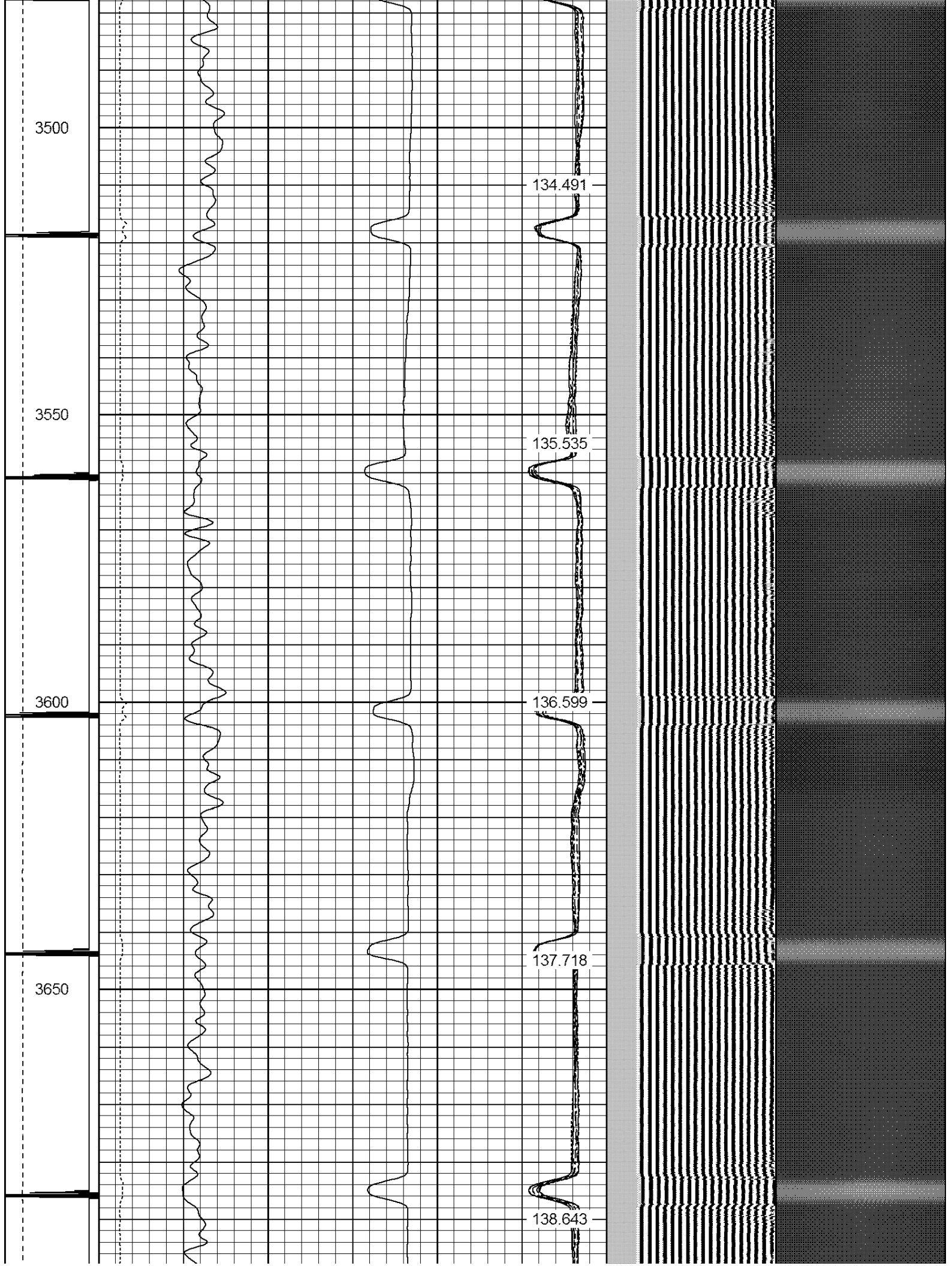






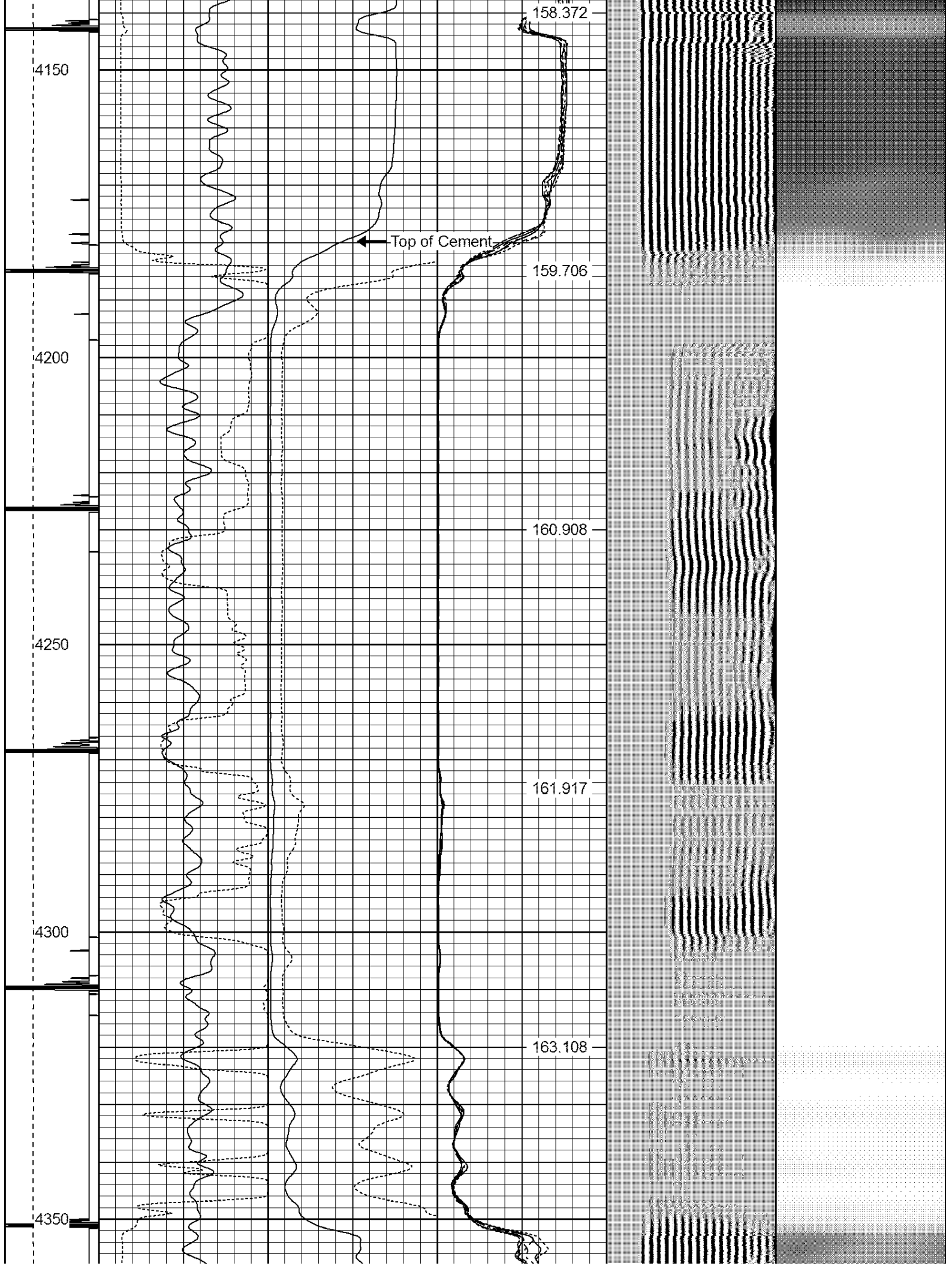






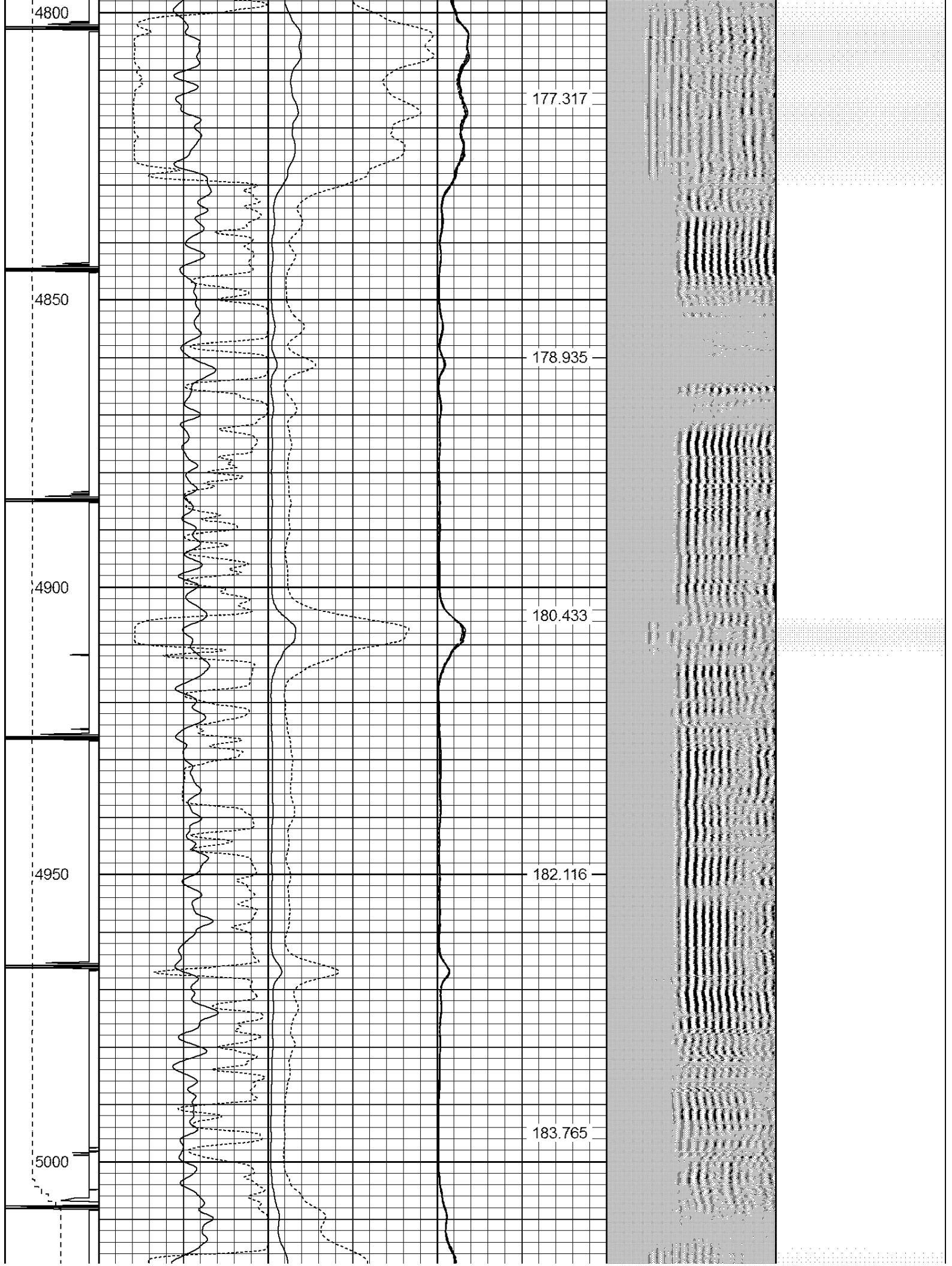


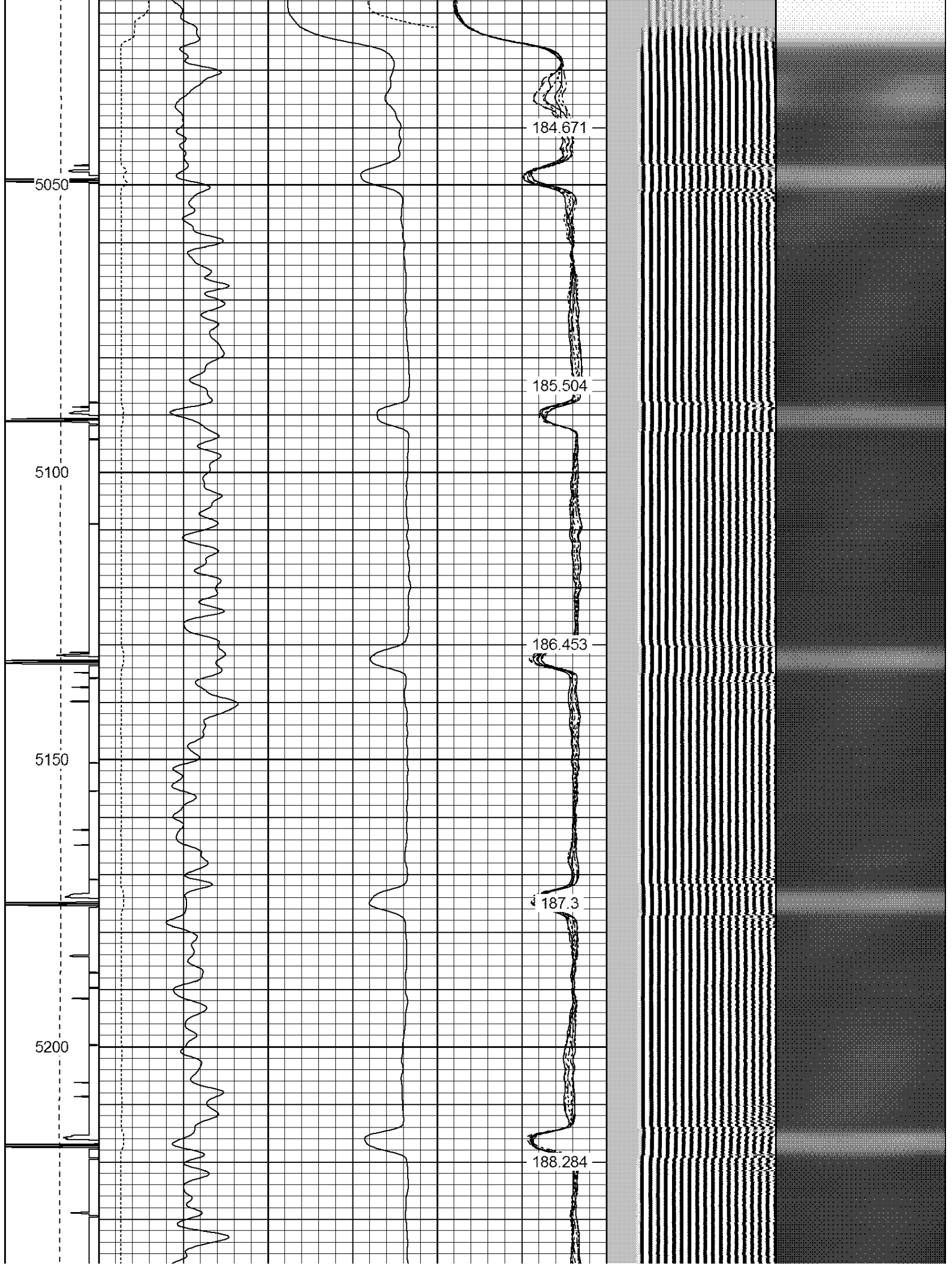




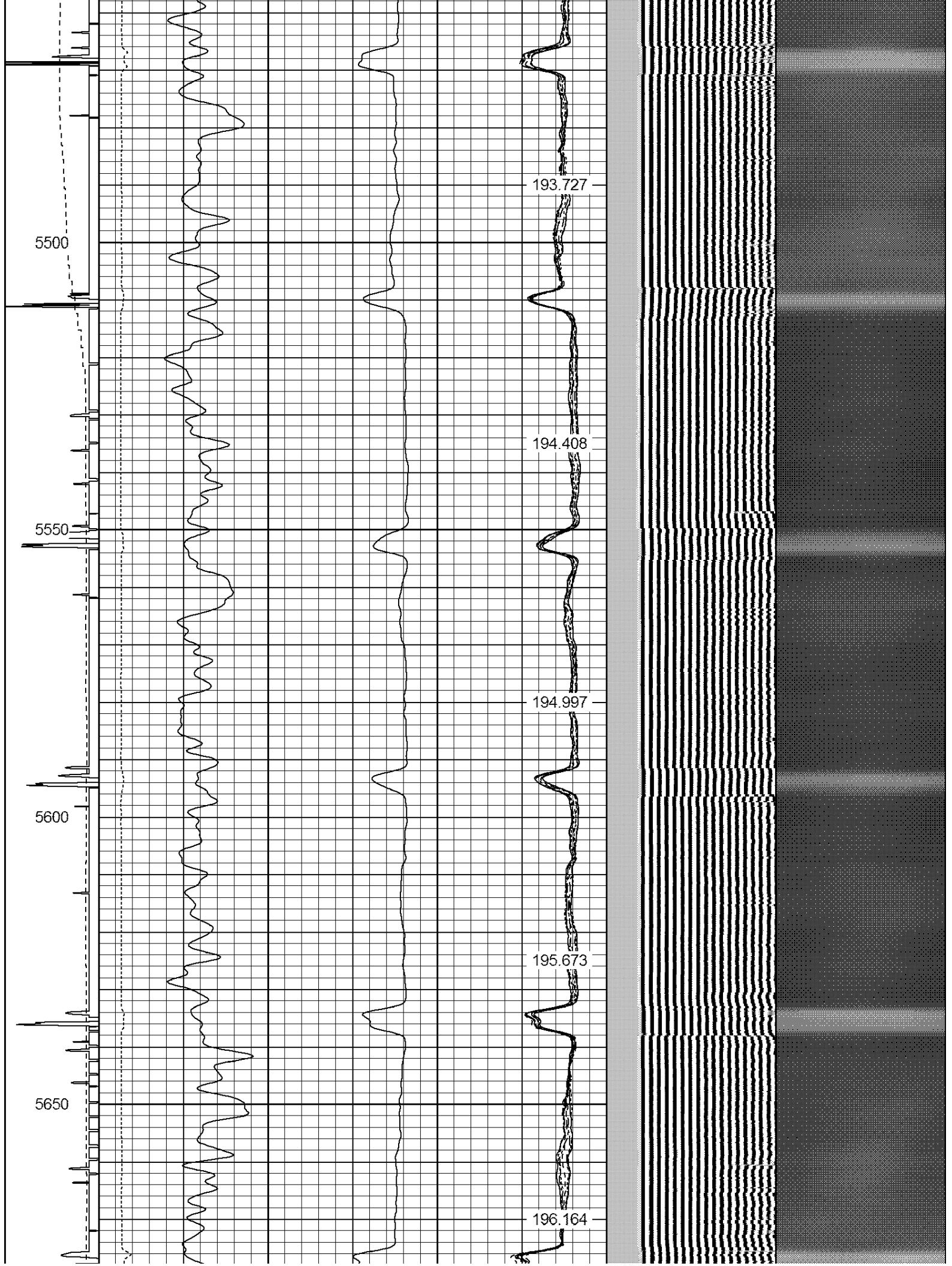


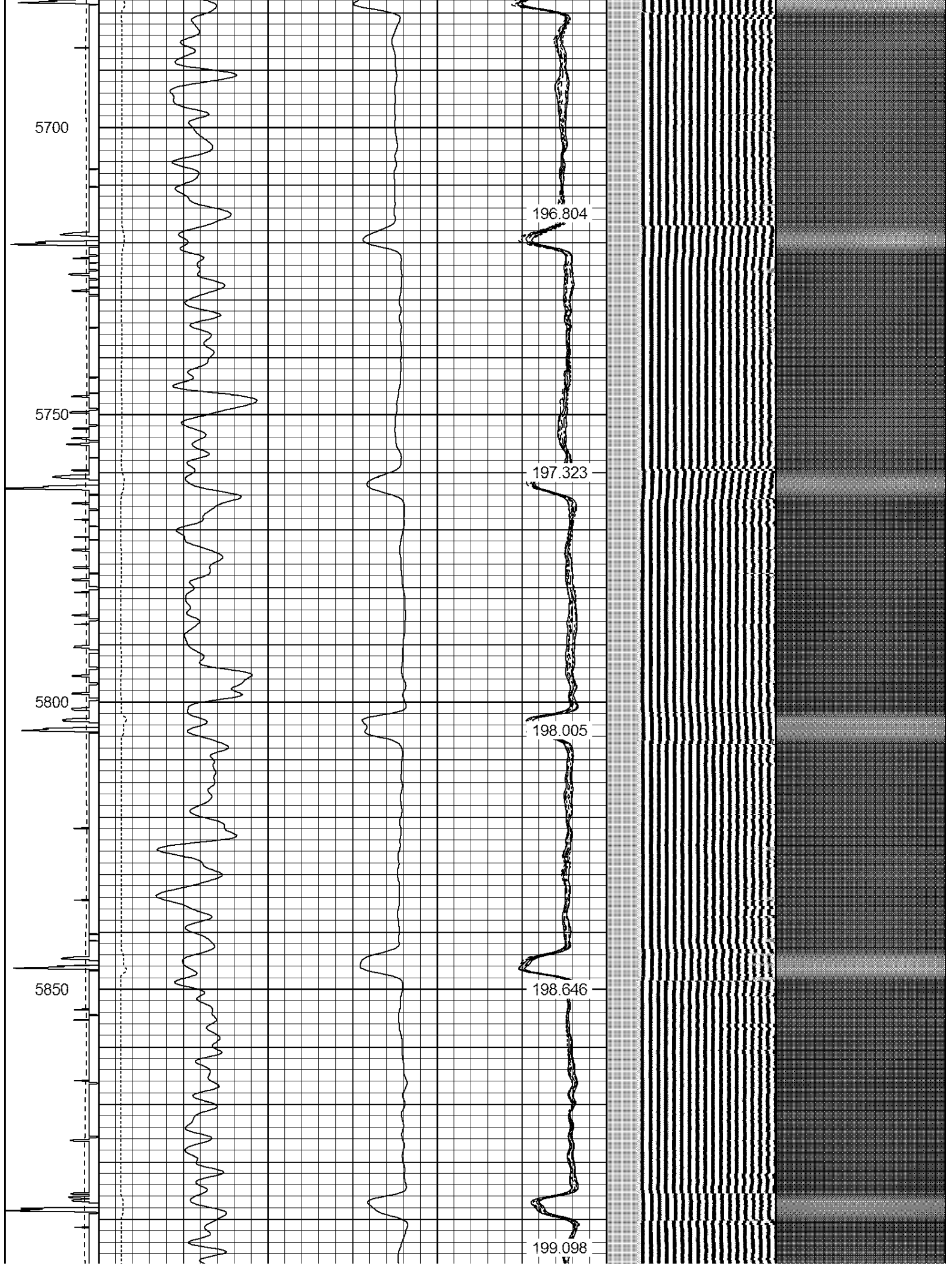




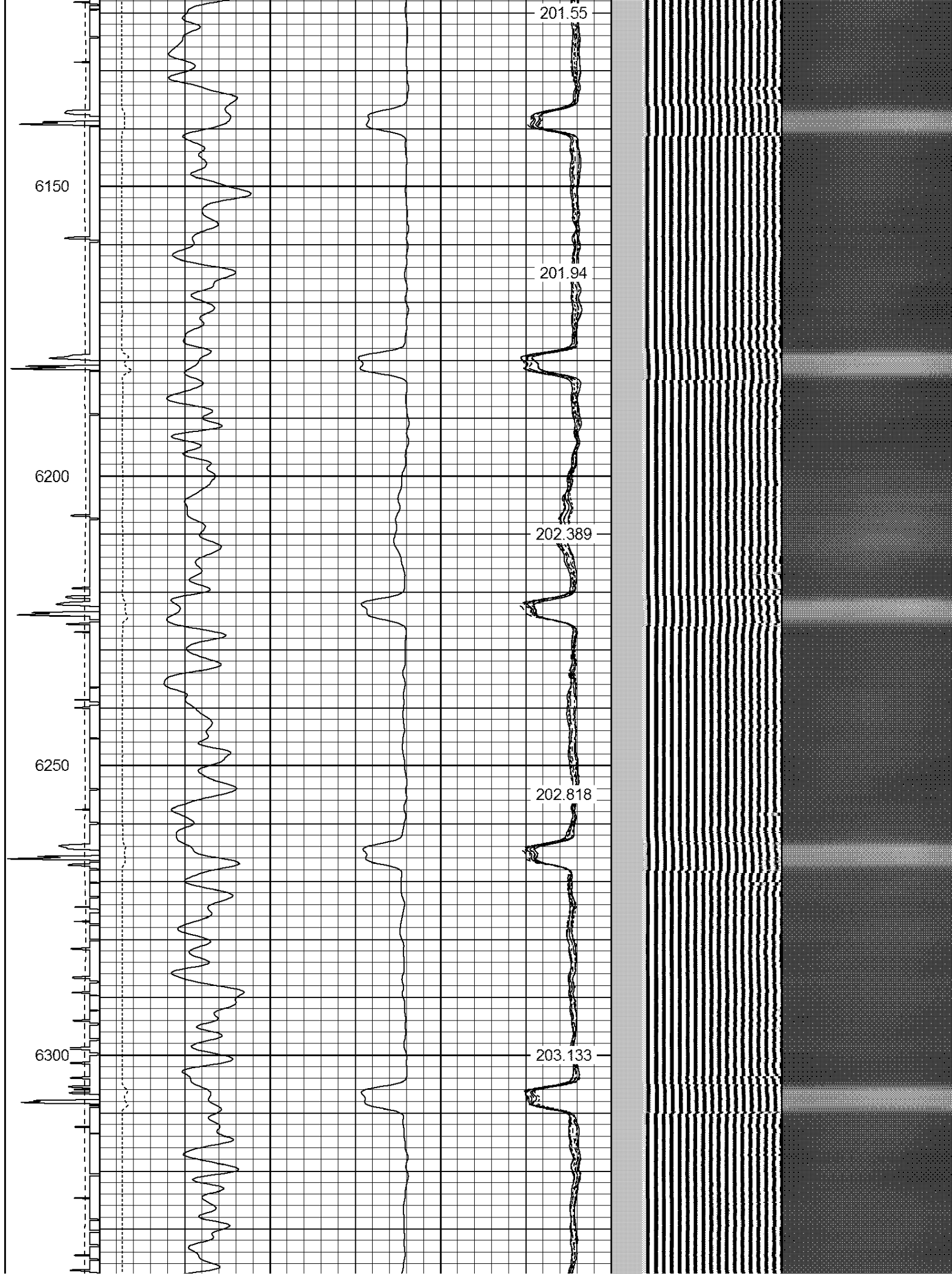


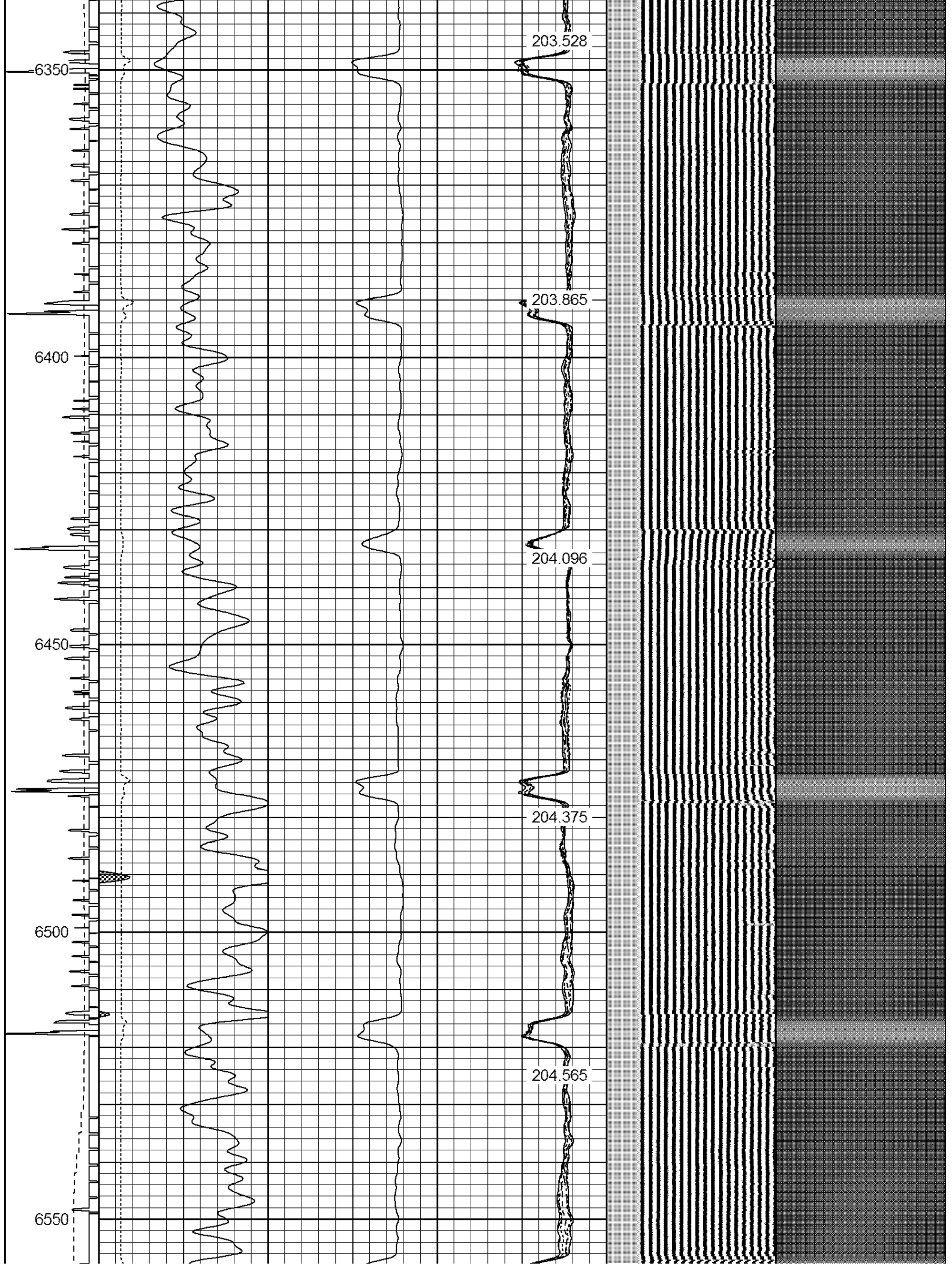




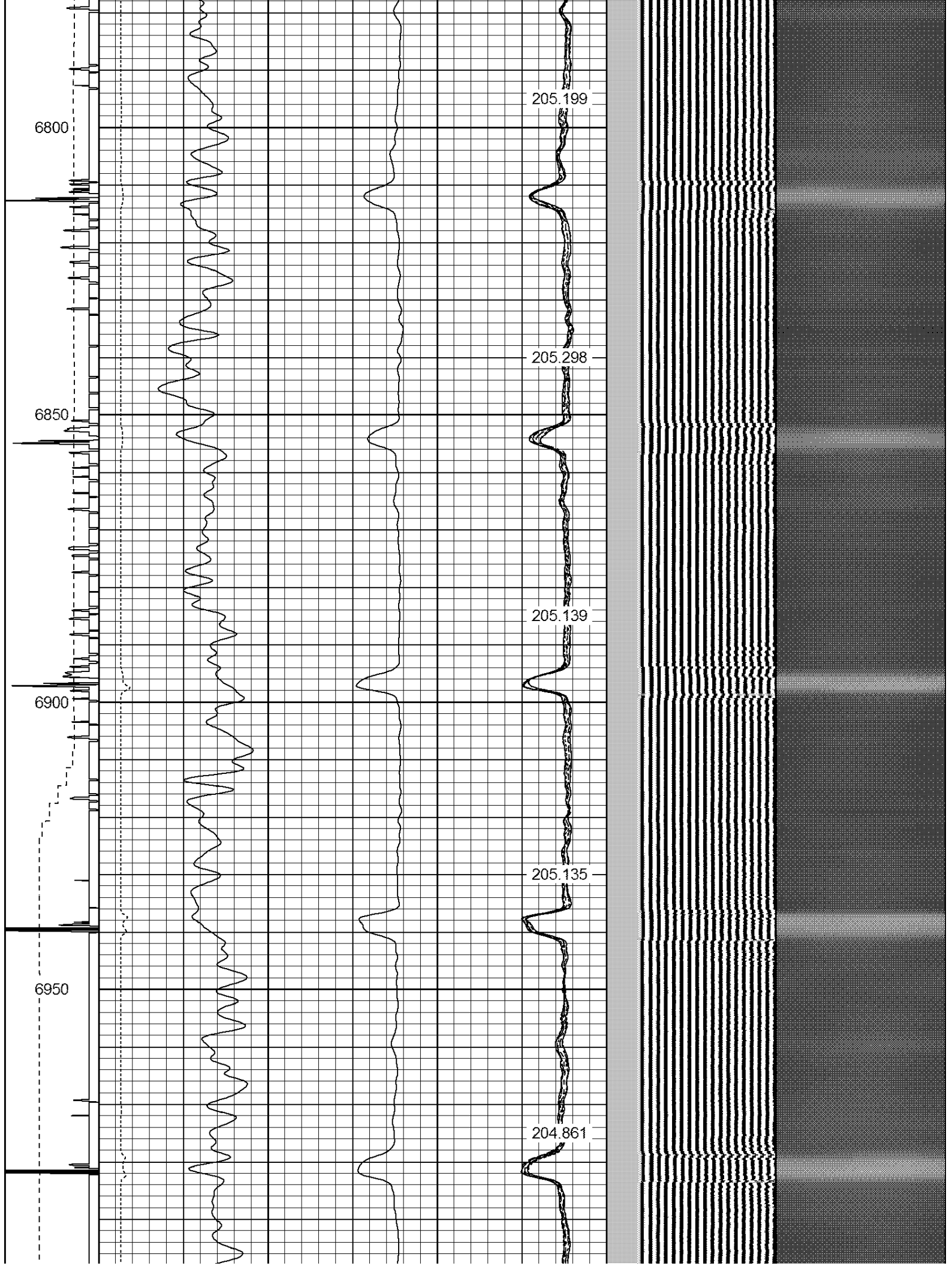




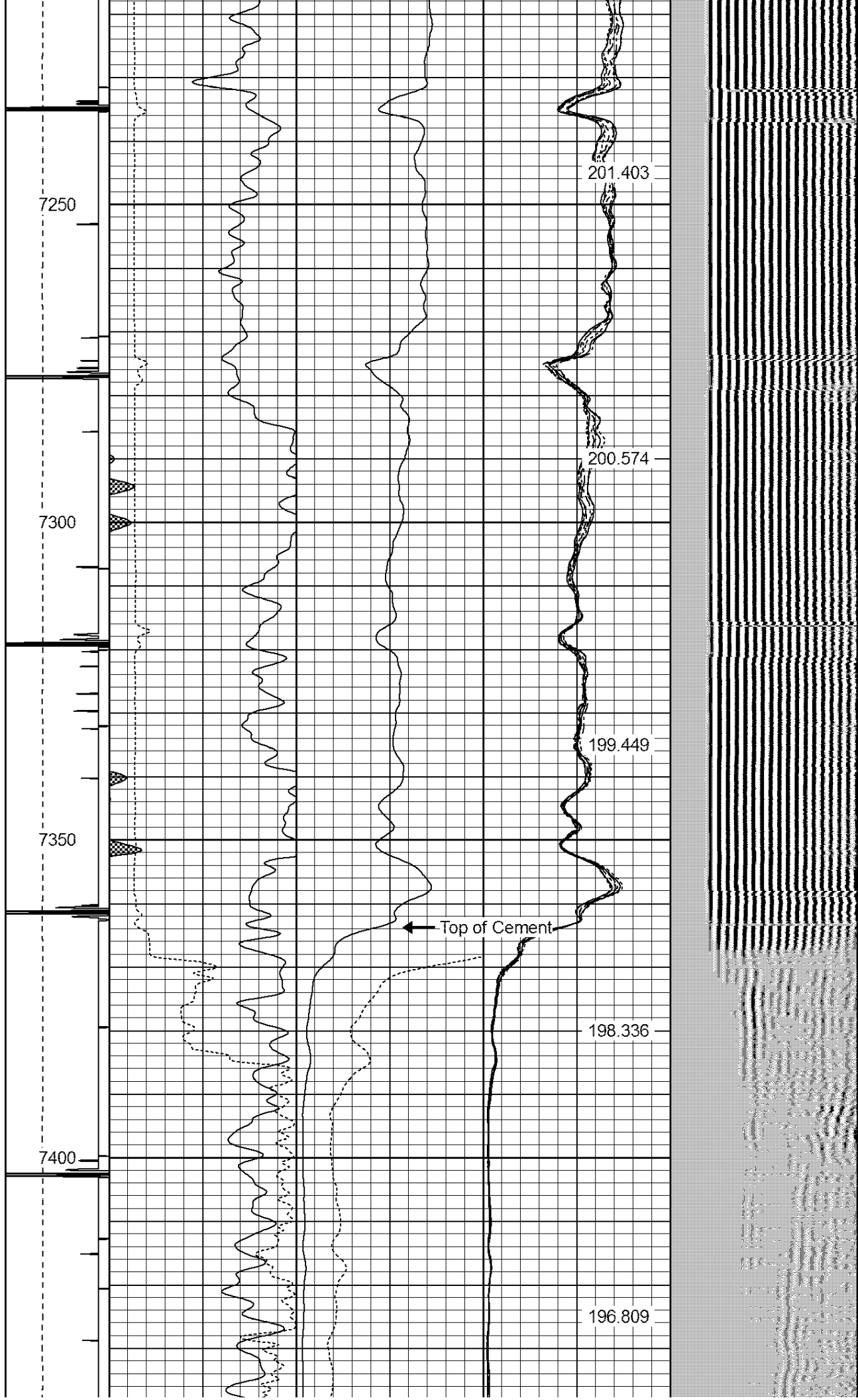


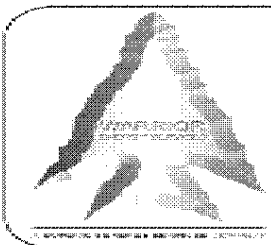
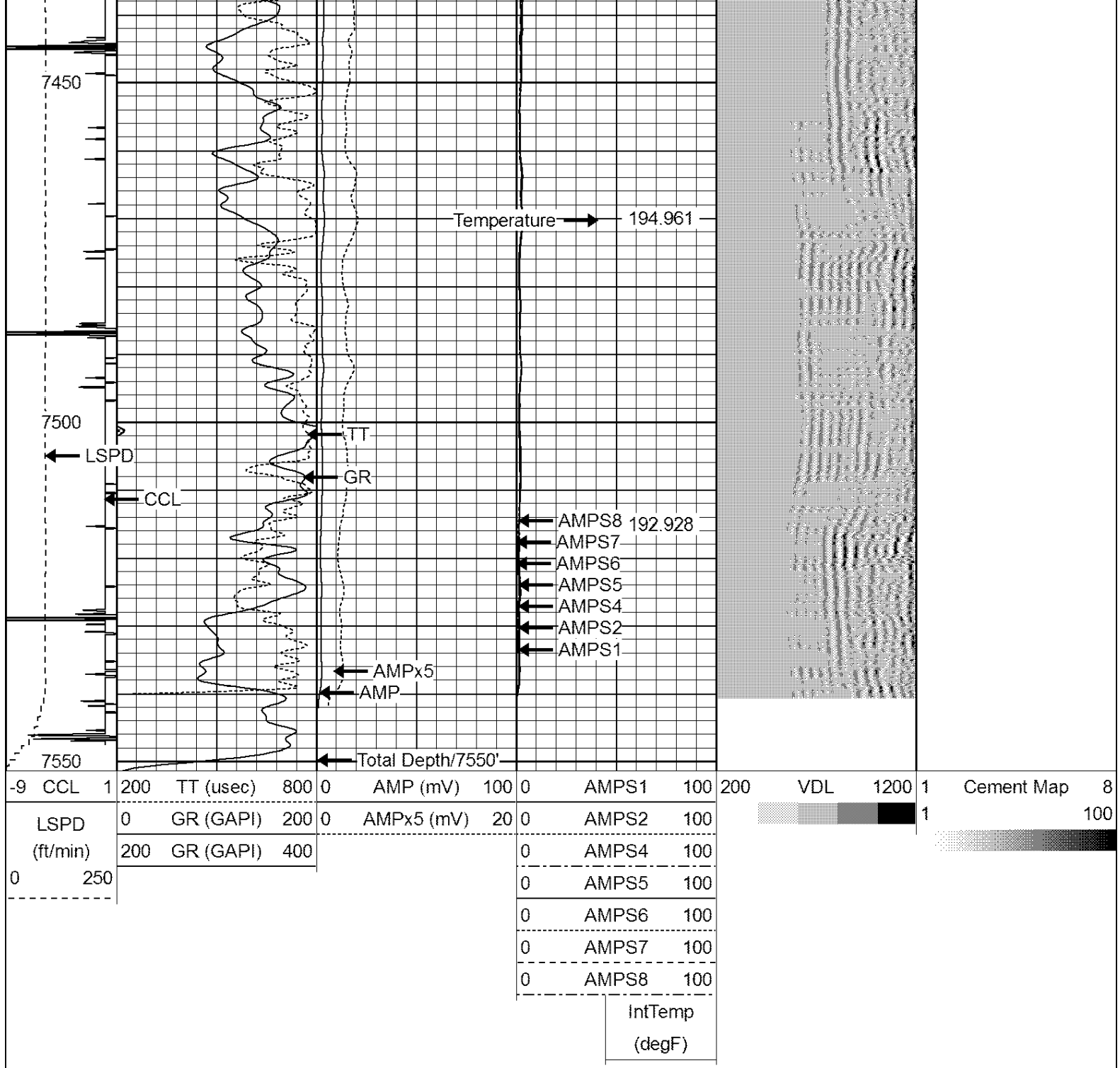












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