

RADIAL CEMENT BOND
GAMMA RAY
CCL

Company	ANADARKO PETROLEUM CORPORATION		
Well	DODERO LOUIS UT B 1		
Field	WATTENBERG		
County	WELD	State	CO
Location:	AP1 # : 05-123-07843 SW/SW LAT:40.17790 & LONG: -104.88220 SEC 34 TWP 3N RGE 67W		Other Services
Permanent Datum	GL	Elevation	4869'
Log Measured From	KB 12'		
Drilling Measured From	KB		
Elevation		KB. 4881'	
		D.F. 4880'	
		G.L. 4869'	
Date	2-18-2016		
Run Number	ONE		
Depth Driller	8002'		
Depth Logger	7751'		
Bottom Logged Interval	7747'		
Top Log Interval	SURFACE		
Open Hole Size	7.875		
Type Fluid	WATER		
Density / Viscosity	1.0		
Max. Recorded Temp.	220 DEG F		
Estimated Cement Top	7040'		
Time Well Ready	N/A		
Time Logger on Bottom	N/A		
Equipment Number	4310		
Location	GREELEY		
Recorded By	N. BREHMER		
Witnessed By	F. RIVERA		
Borehole Record			
Run Number	Bit	From	To
		Size	Weight
		From	To
Casing Record	Size	Wgt/Ft	Top
Surface String	8.63	24#	SURFACE
Prot. String			
Production String	4.5	10.5# & 11.6#	SURFACE
Liner			7990'

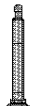
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All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on 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

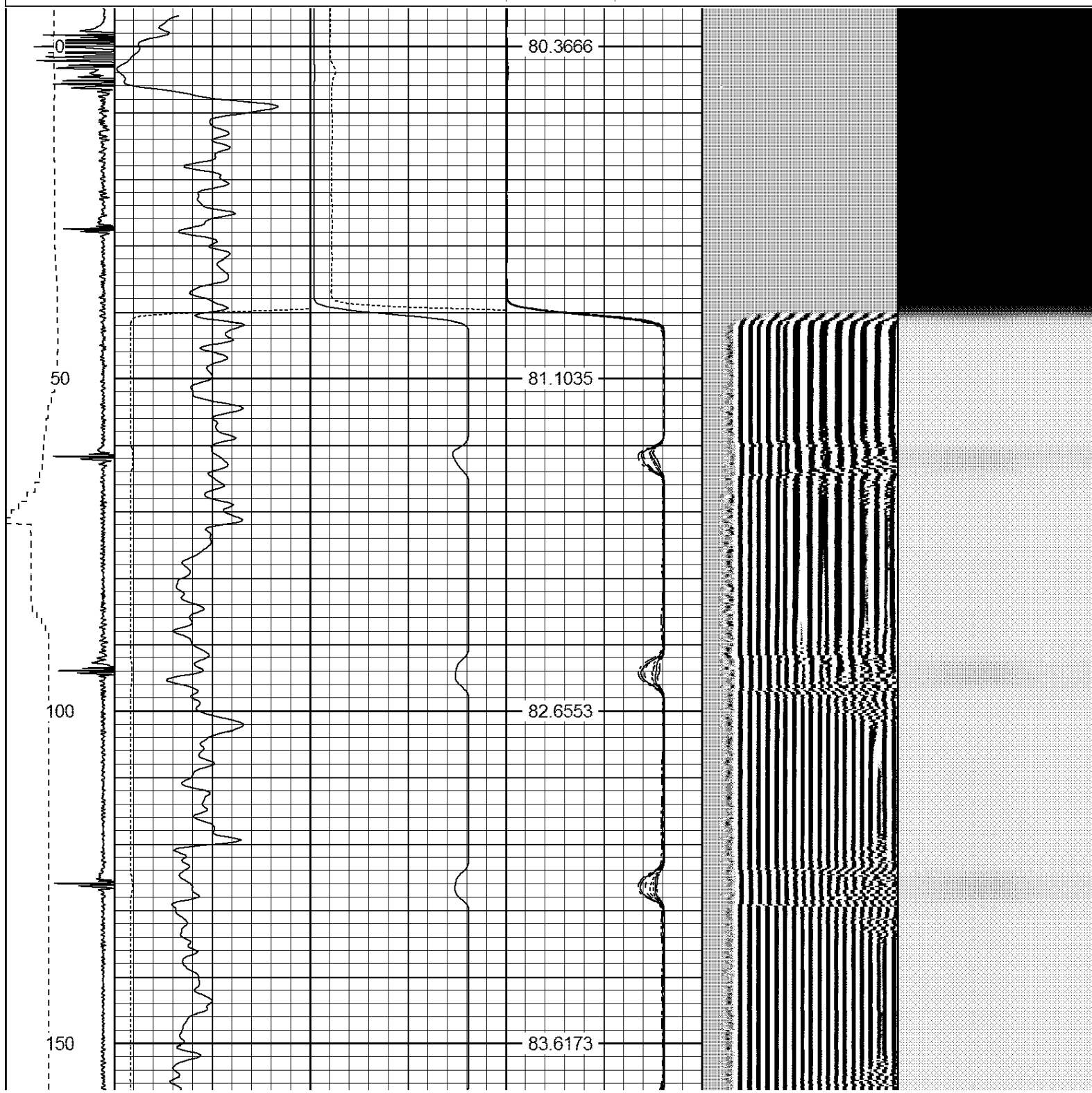
RAN CBL TO VERIFY CEMENT BOND
RIG CREW TRIPPED IN A CIRCULATED
CORRELATED 0' TO MCULLOUGH GAMMA RAY LOG 1-26-74
CALIBRATED FREE PIPE @6290', 81mA IN 4.5"

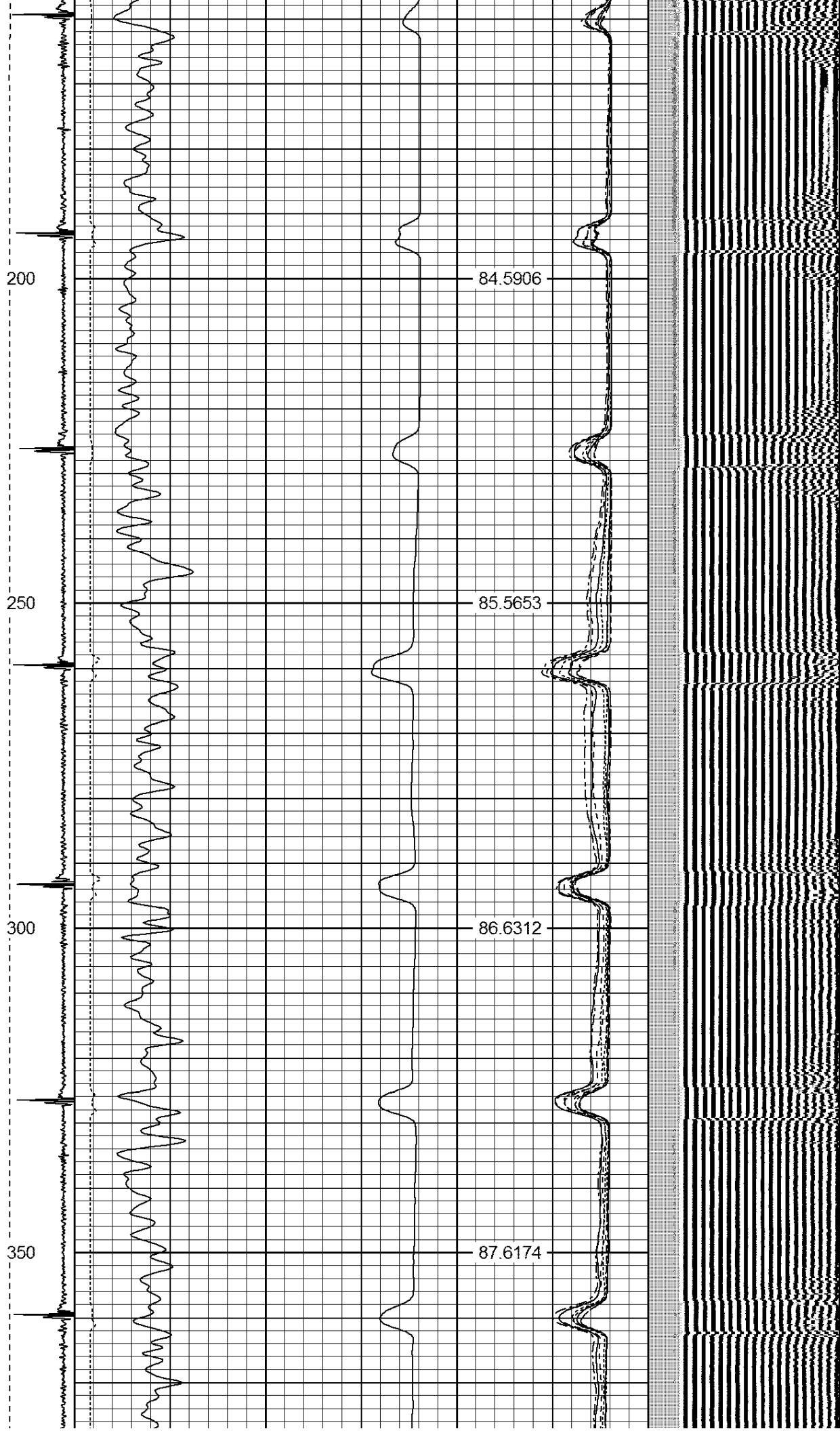
THANK YOU FOR USING WARRIOR !!!!!!!

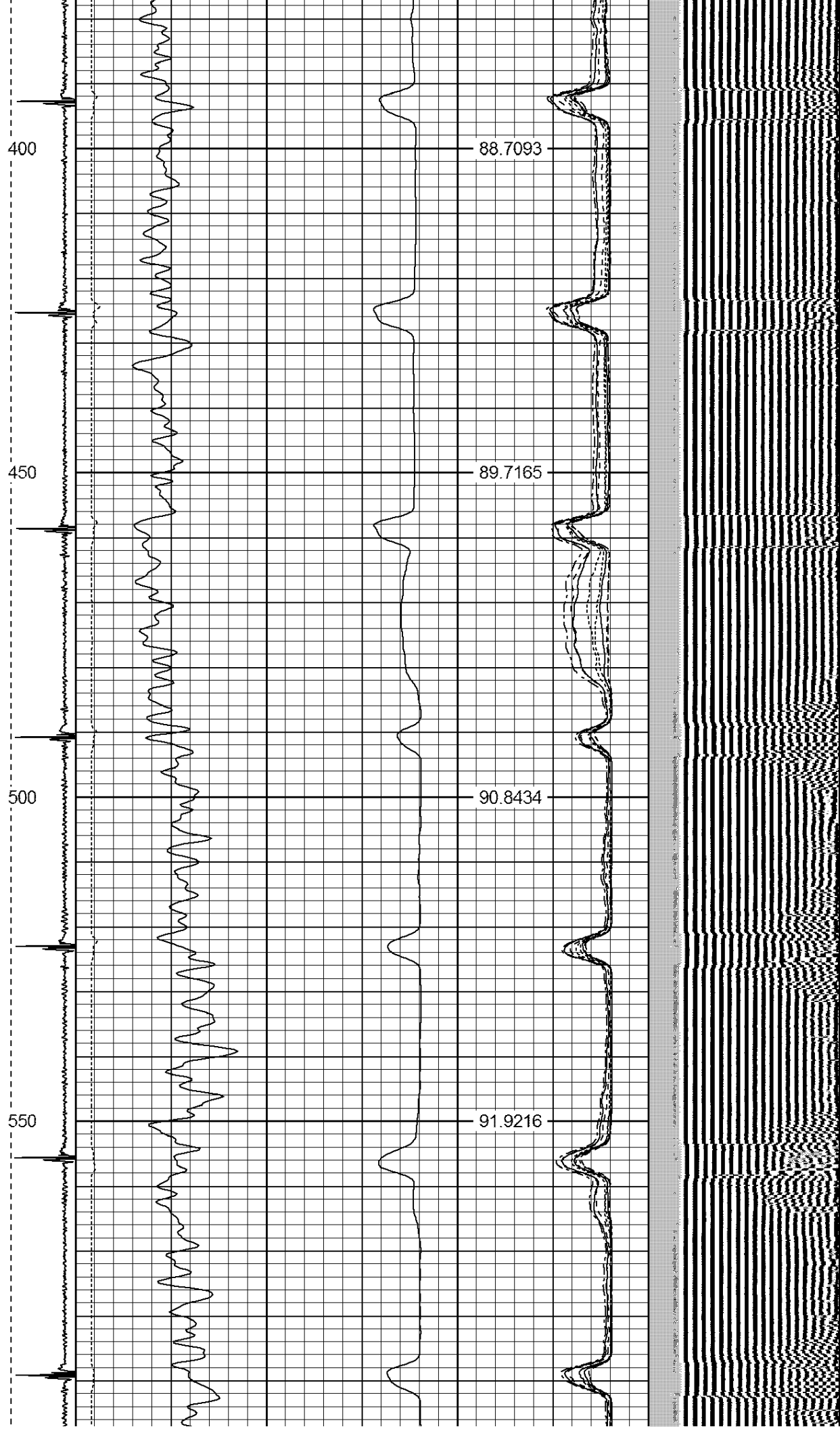
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
			1_4	1.00	1.36	5.00

			PTS275	2.83	2.75	
HEADVOLT	16.13					
IntTemp	14.71					
WVF3FT	11.46		RBT-Probe (Base)	8.92	2.75	90.00
WVFCAL	11.46		Probe Radii Bond Tool with Digital Telemetry			
WVFS1	11.46					
WVFS2	11.46					
WVFS3	11.46					
WVFS4	11.46					
WVFS5	11.46					
WVFS6	11.46					
WVFS7	11.46					
WVFS8	11.46					
WVF5FT	10.46					
CNLSC	6.00		CNT-Probe_B (275)	2.88	2.75	40.00
CNSSC	5.17		6 bow centralizer			
CCL	3.64					
			GR-Probe (275)	4.33	2.75	30.00
			Probe 2.75"			
GR	0.90					
Dataset: dodero louis ut b 1.db: field/well/run1/pass3 Total Length: 19.96 ft Total Weight: 165.00 lb O.D. 2.75 in						

-9	CCL	1	200	TT (usec)	1000	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				100		1
(ft/min)			200	GR (GAPI)	400				0	AMPS3	100						
0	250								0	AMPS4	100						
									0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100						
										IntTemp							
										(degF)							







600

92.8519

650

93.8981

700

94.8657

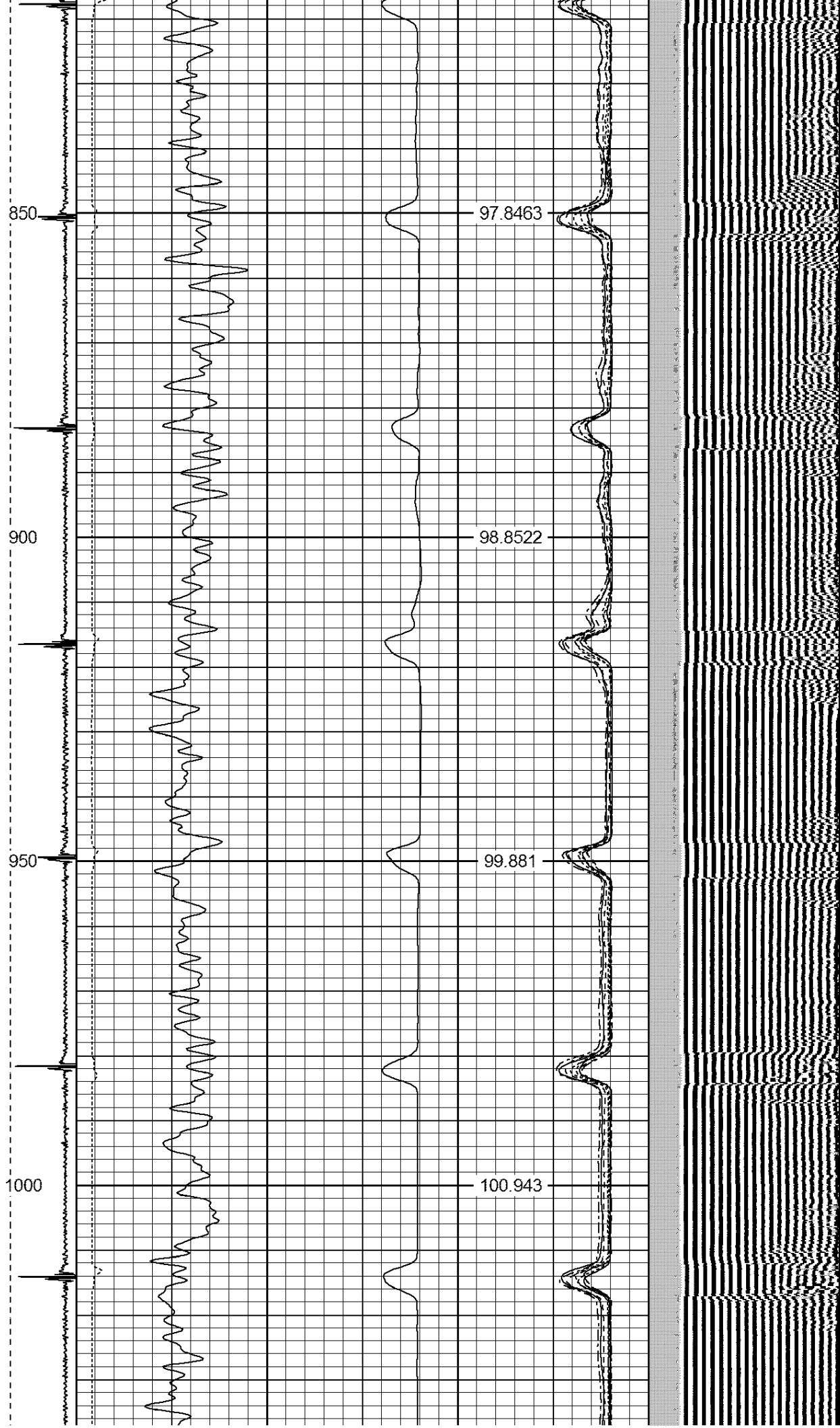
750

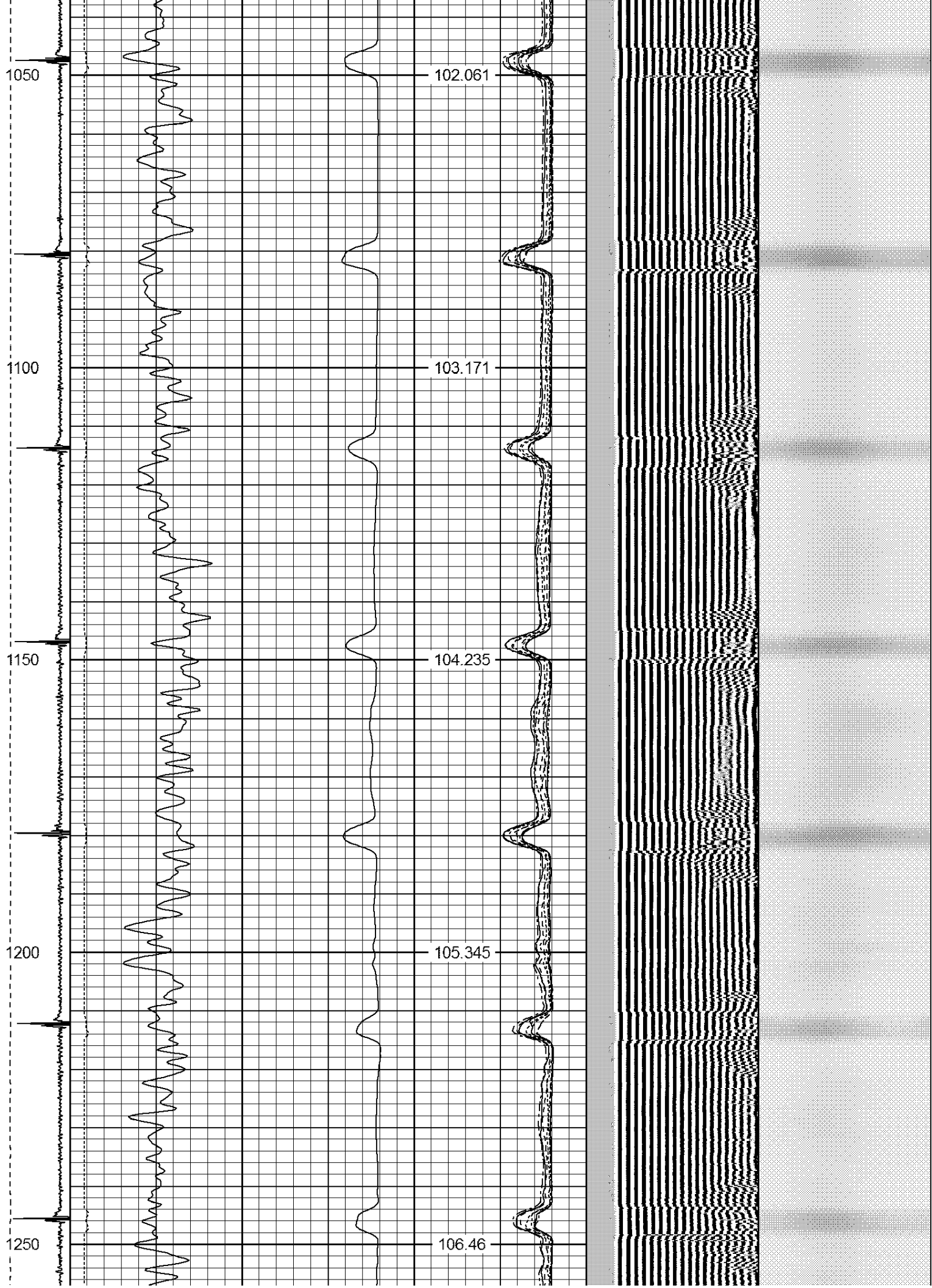
95.8491

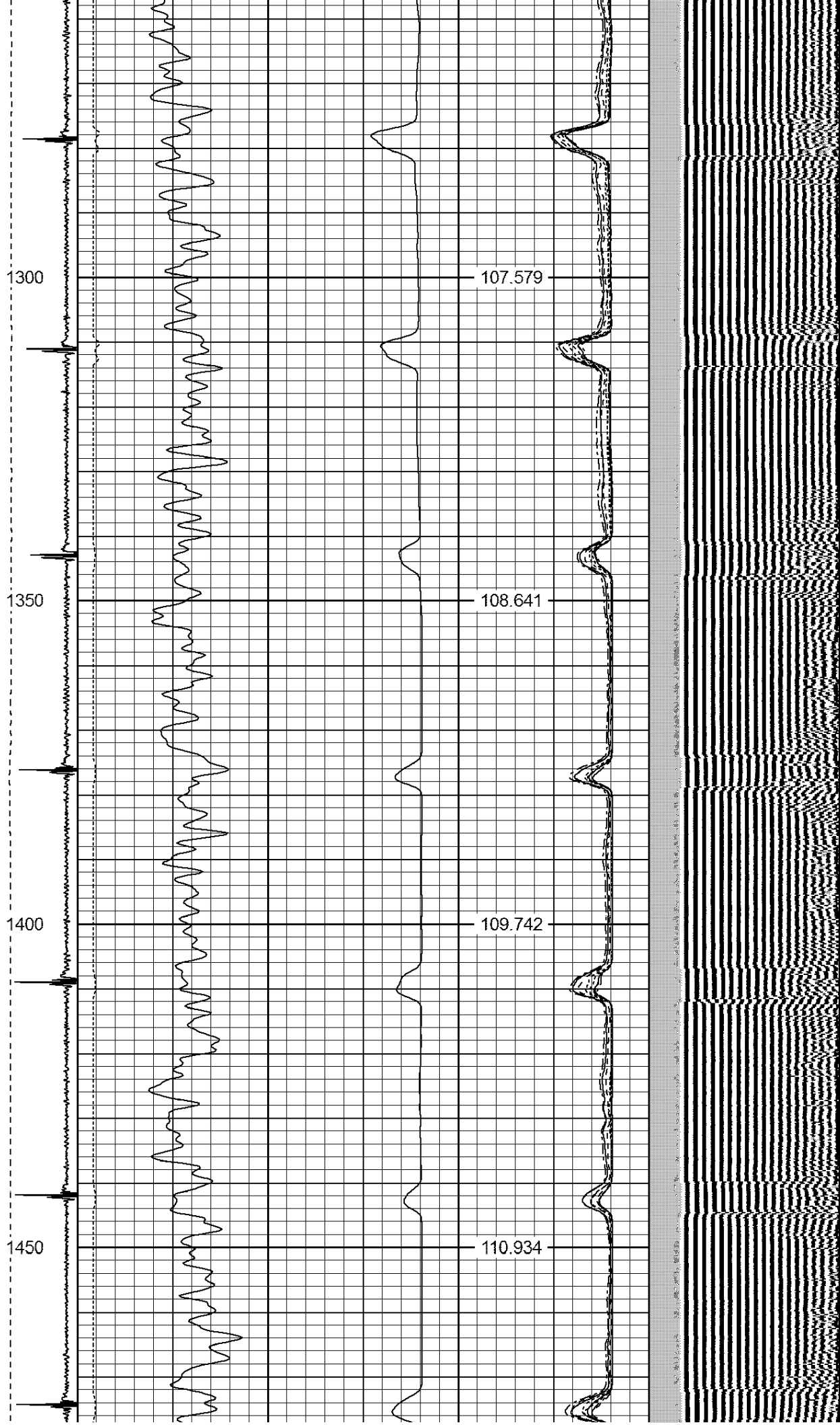
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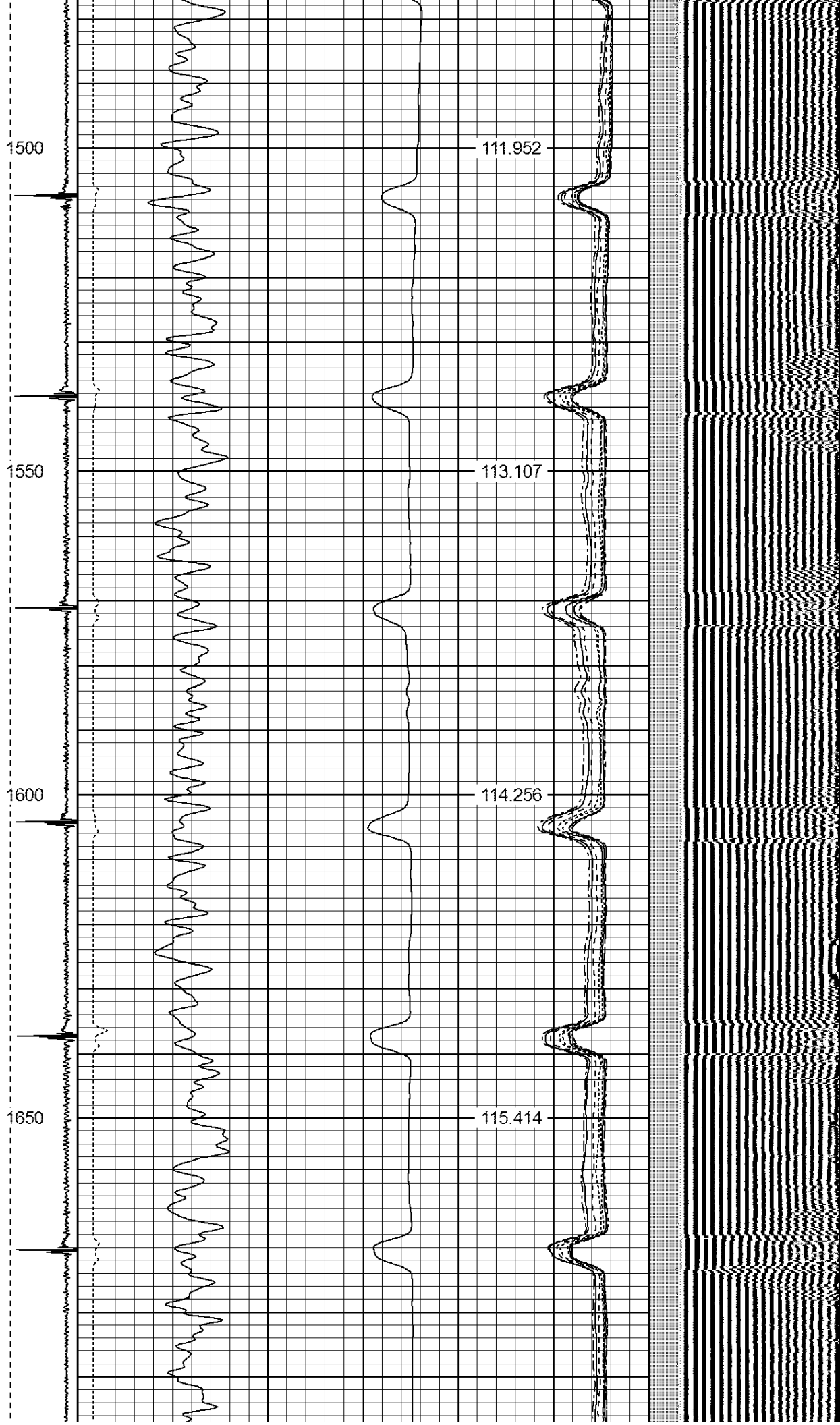
96.8489

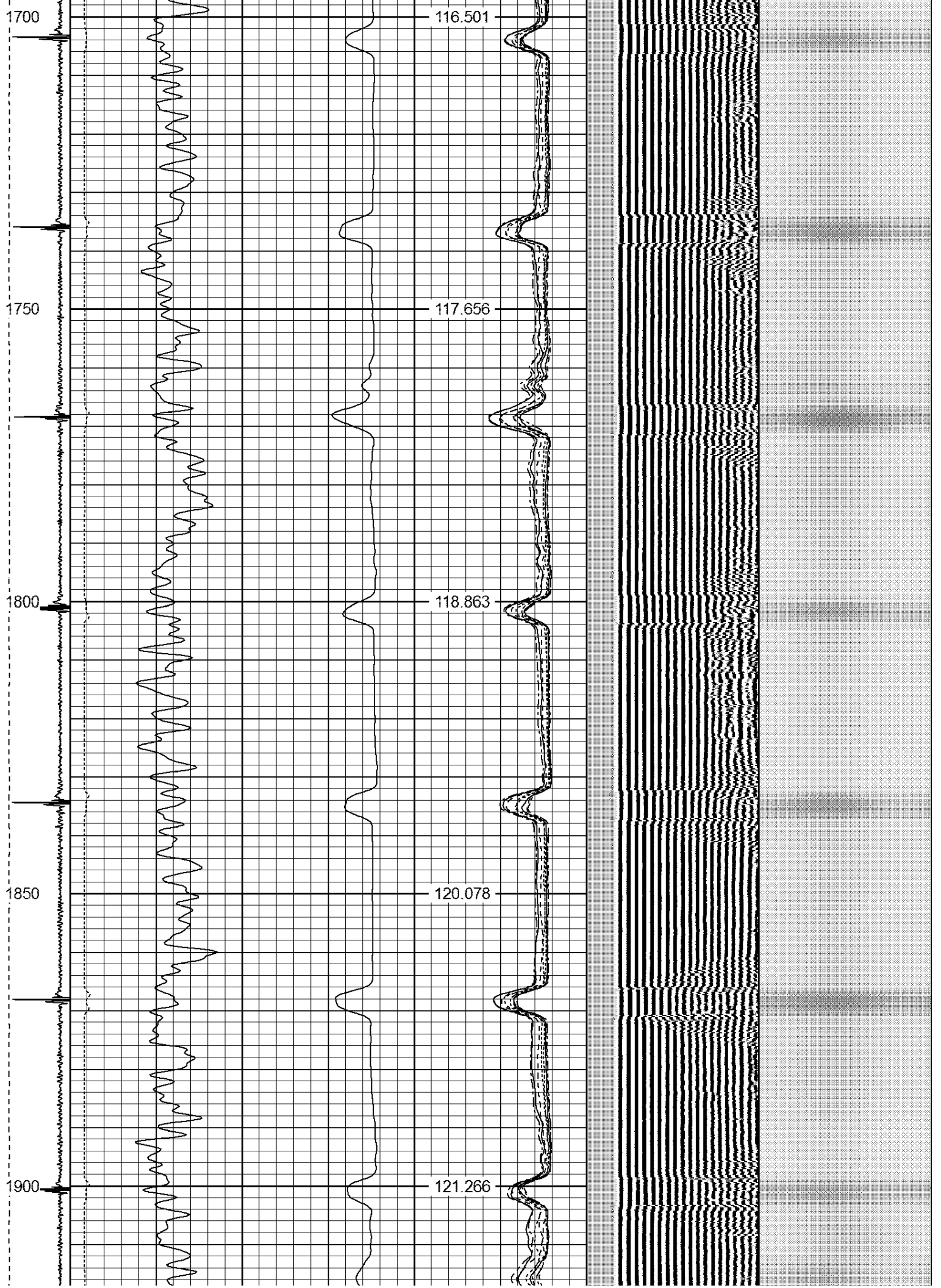


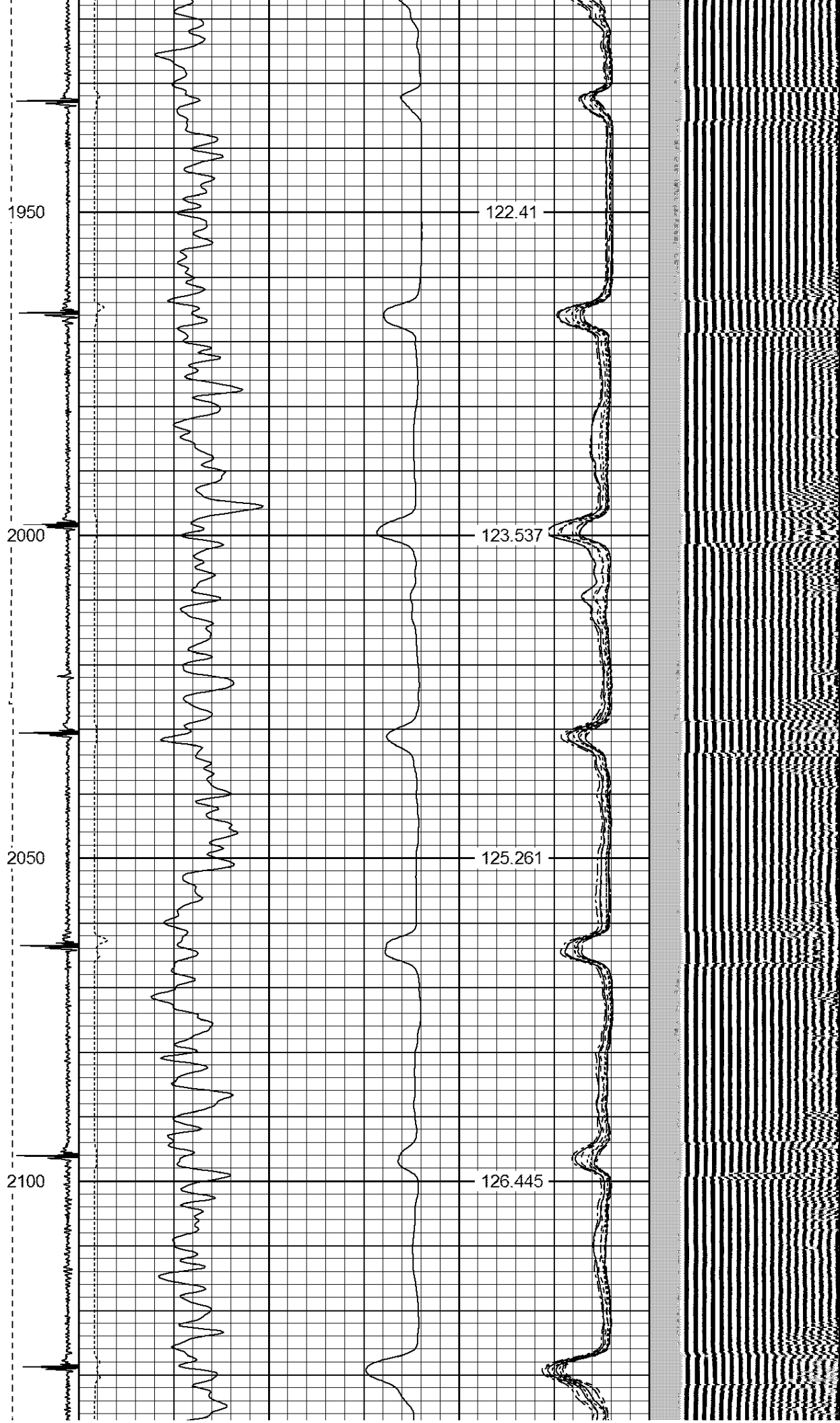












2150

127.645

2200

128.83

2250

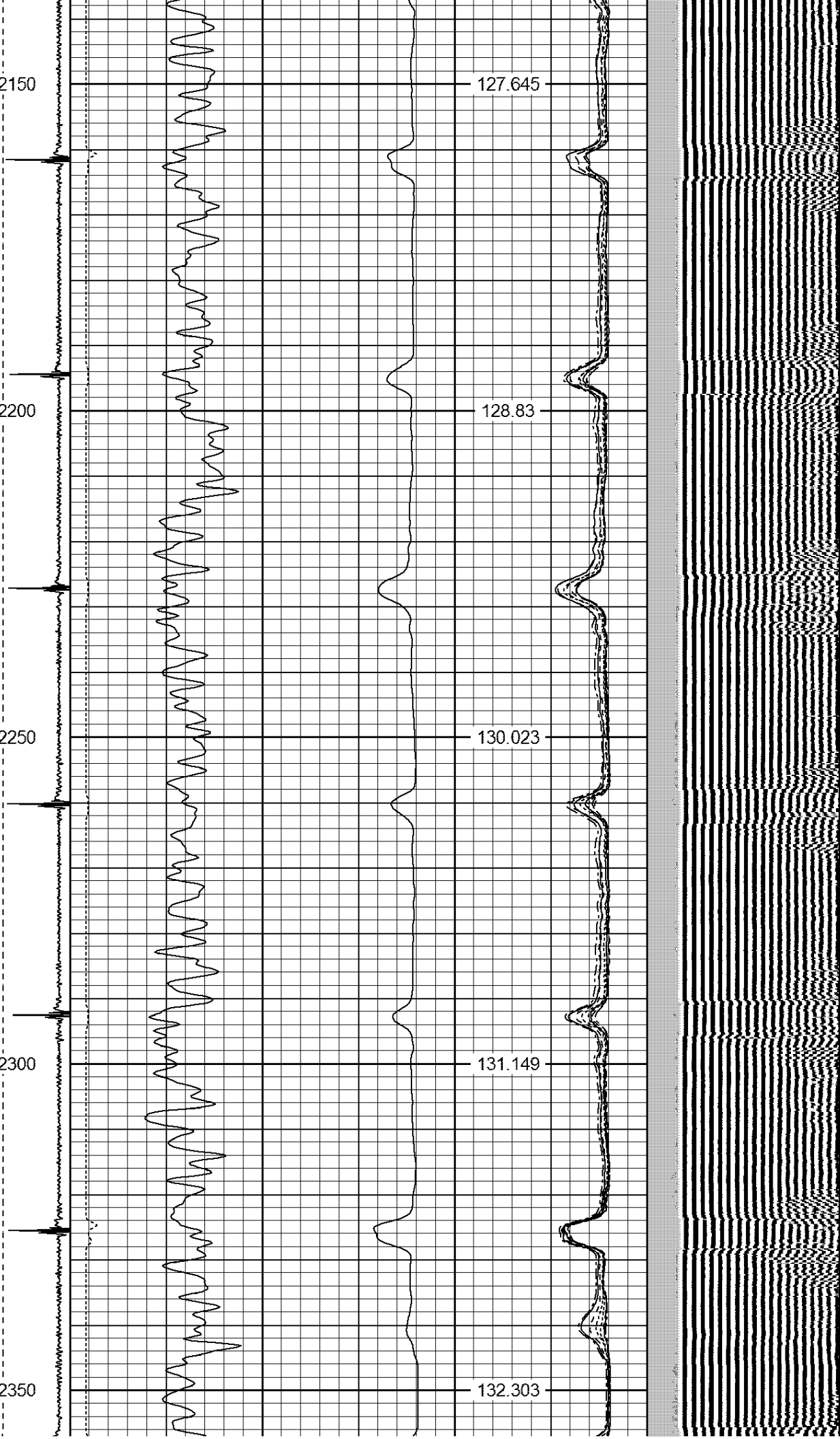
130.023

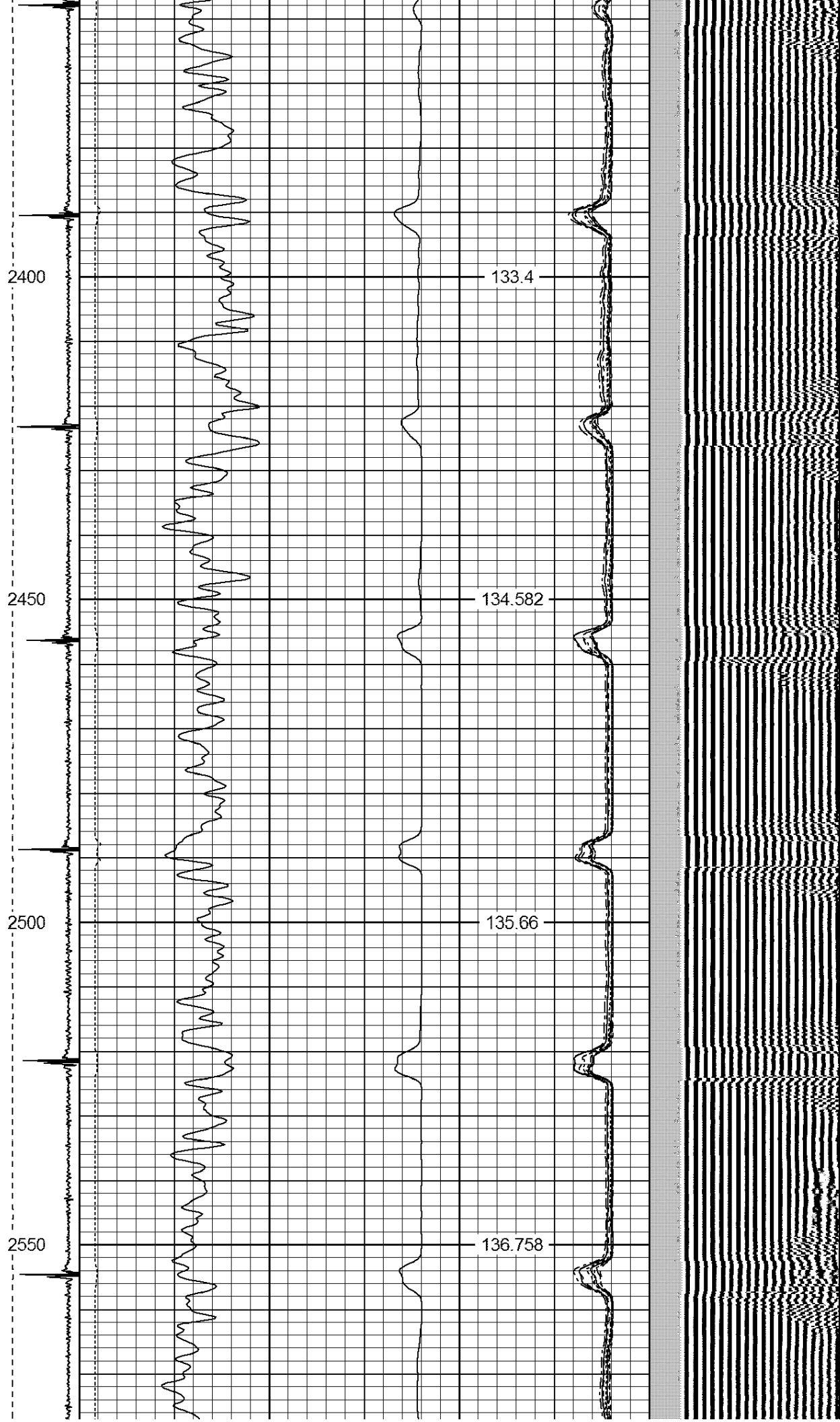
2300

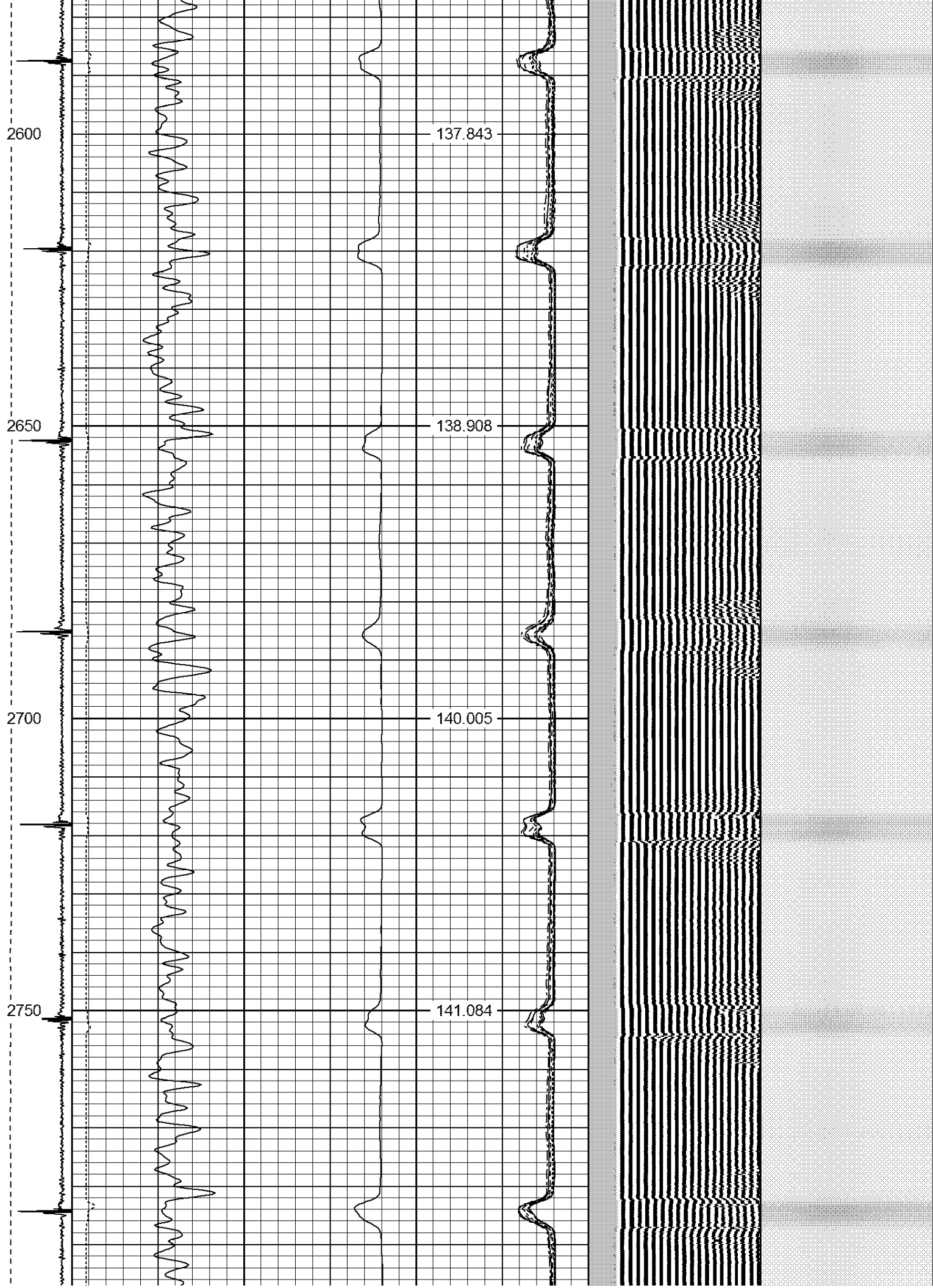
131.149

2350

132.303







2800

142.247

2850

143.375

2900

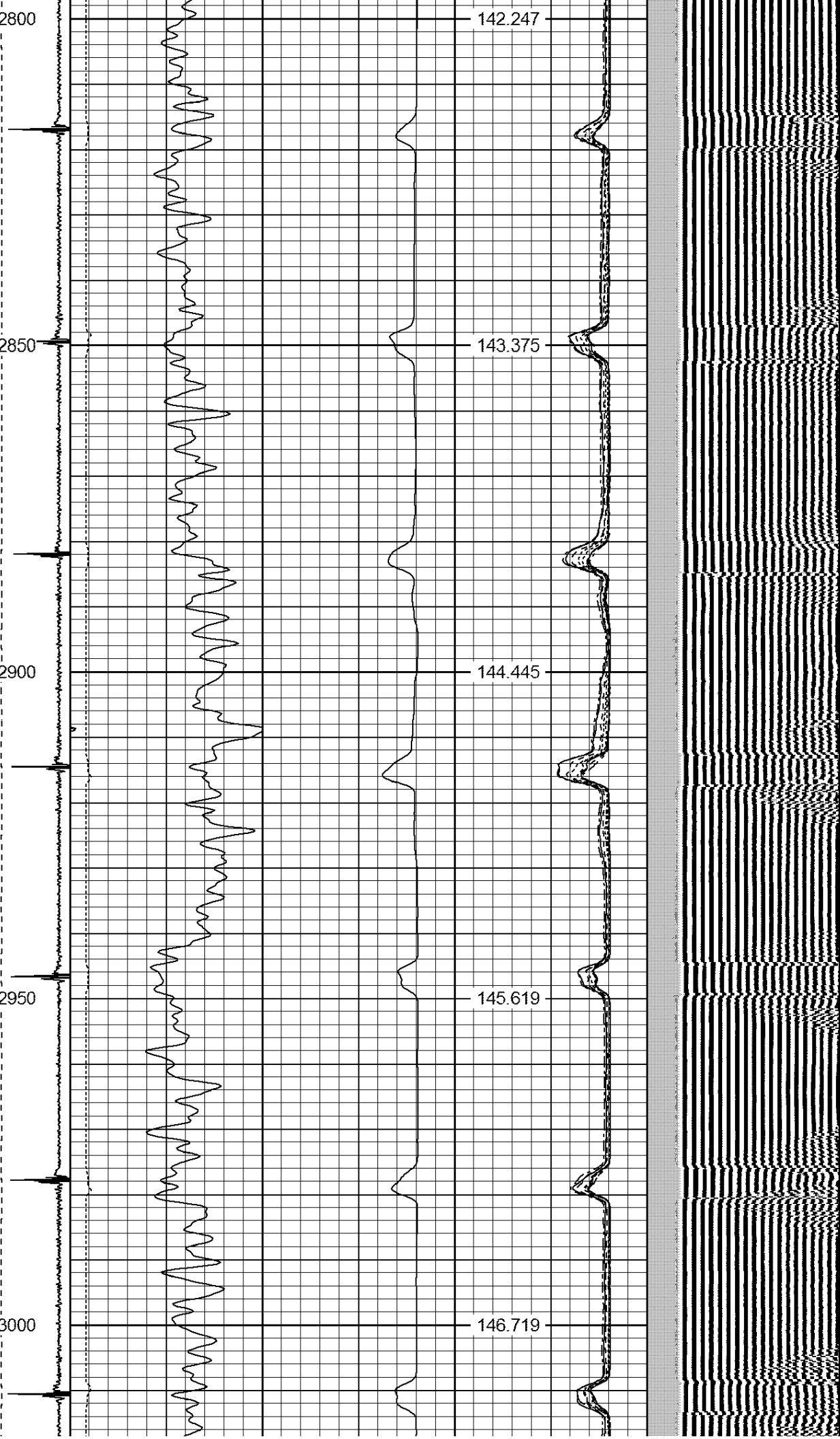
144.445

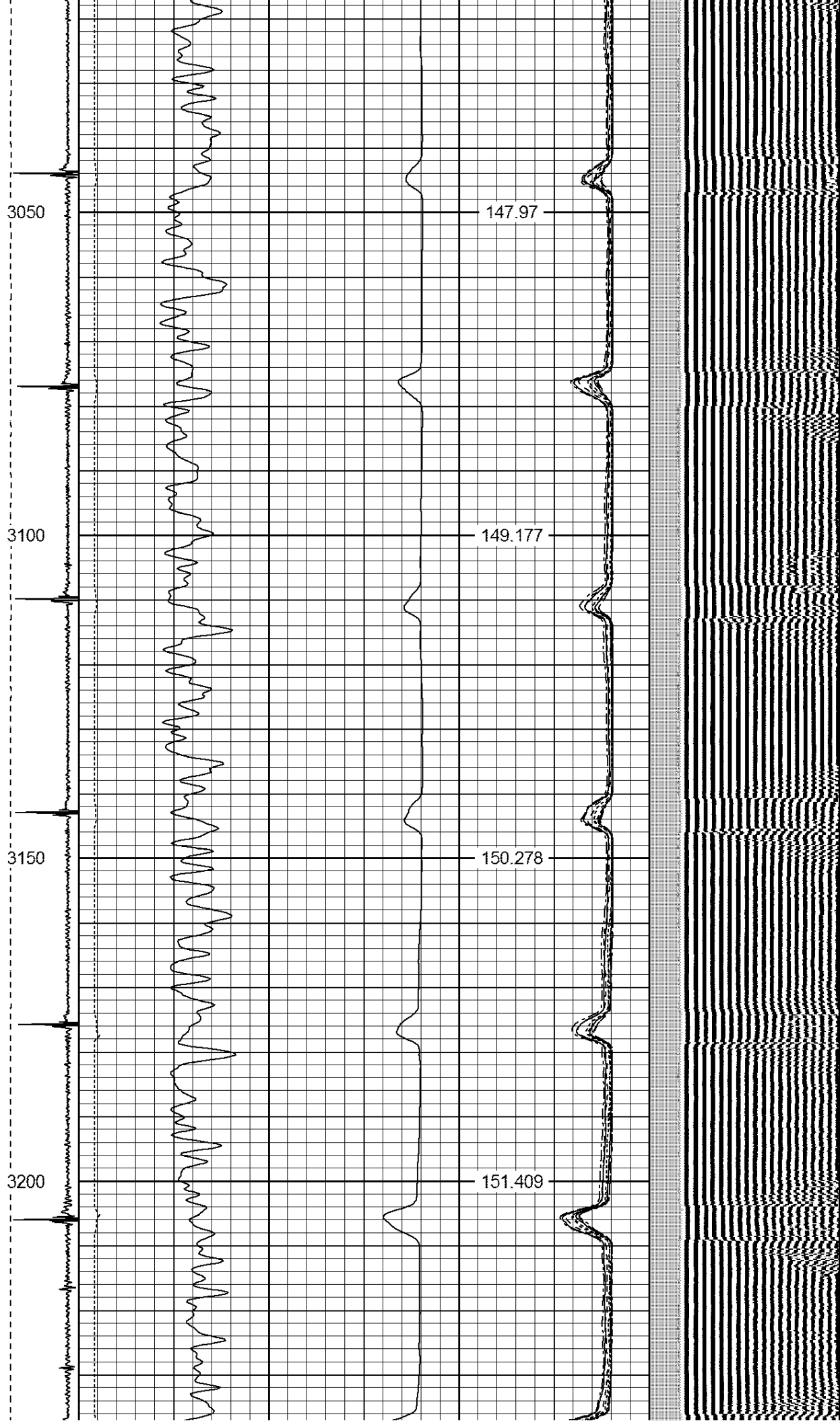
2950

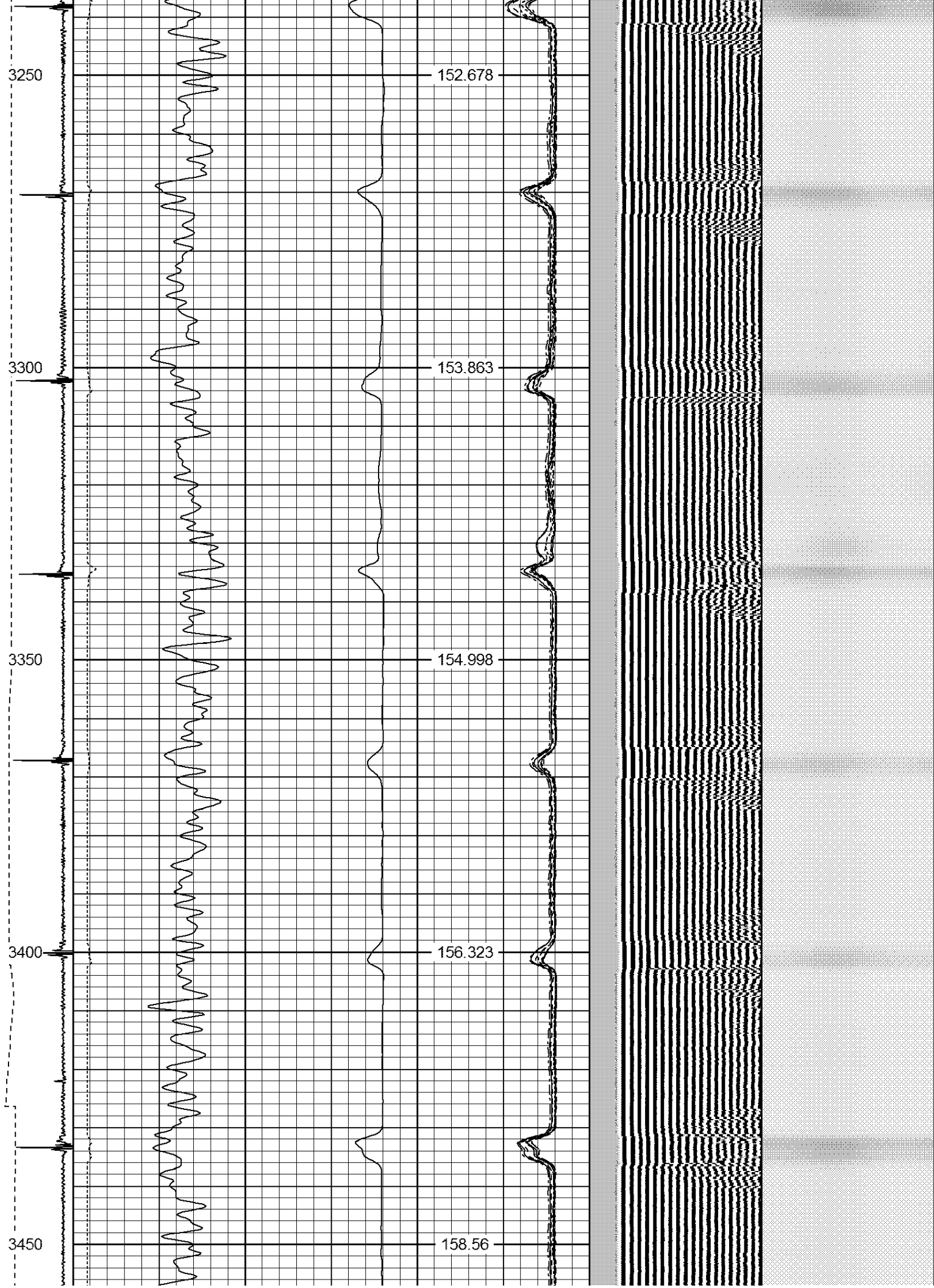
145.619

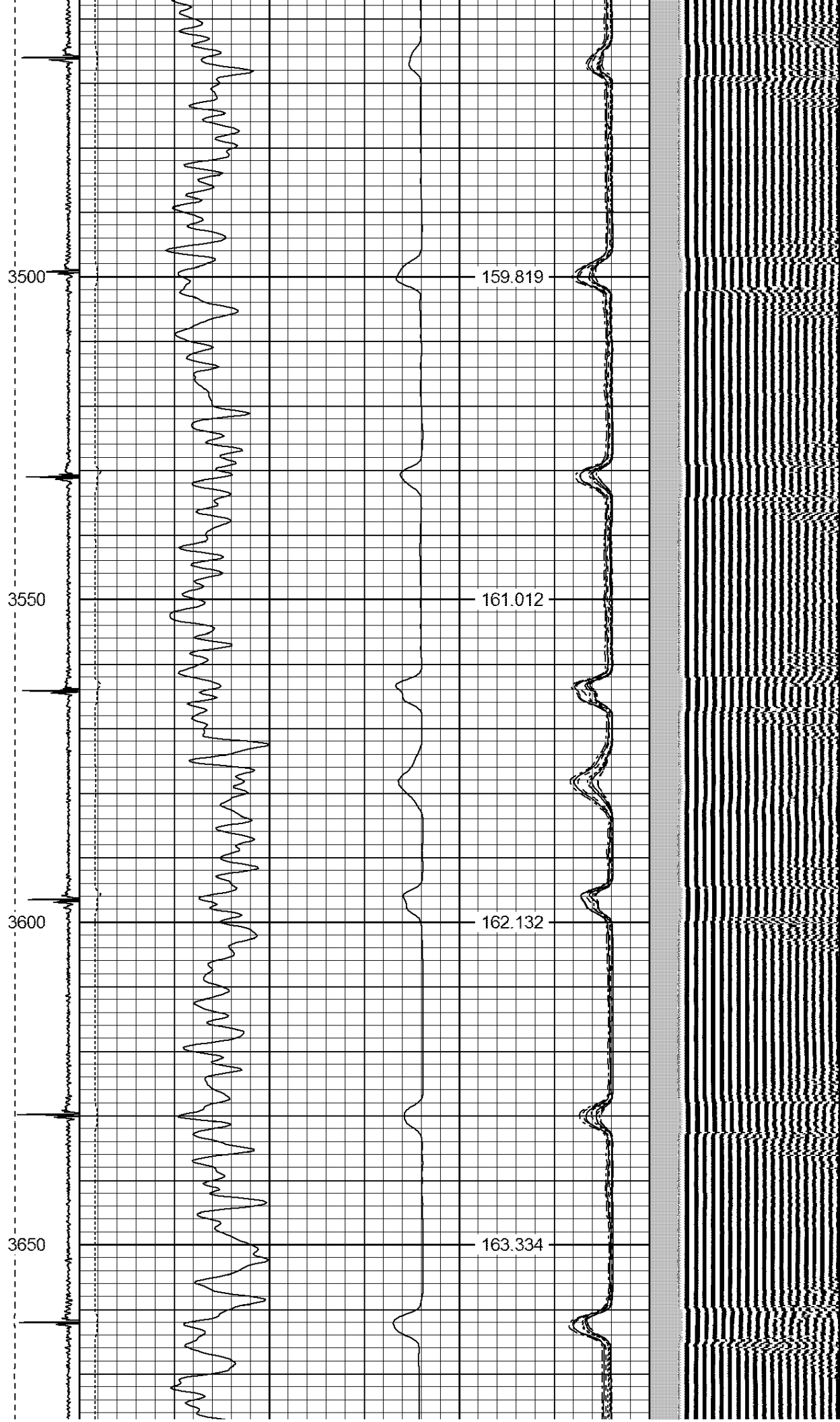
3000

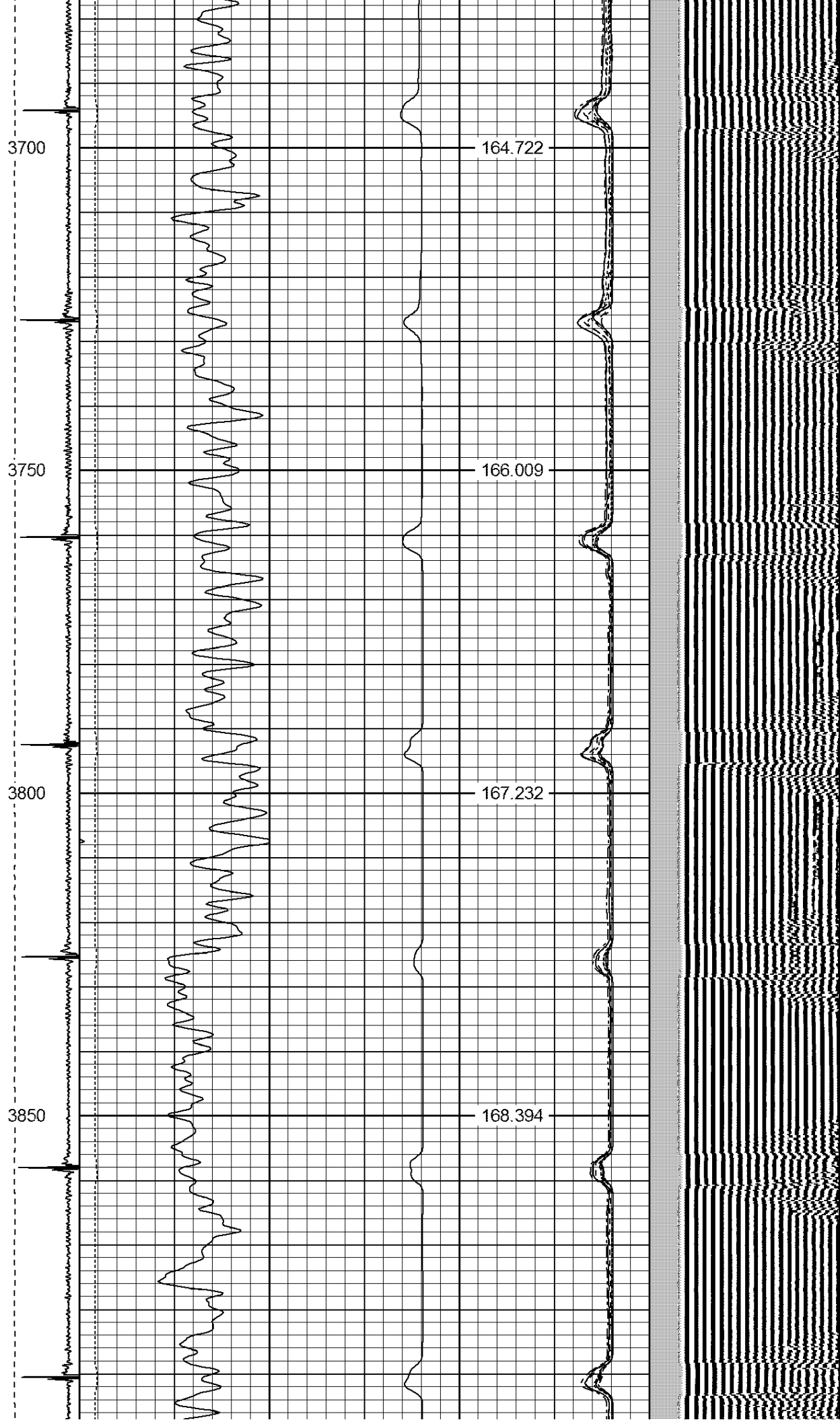
146.719

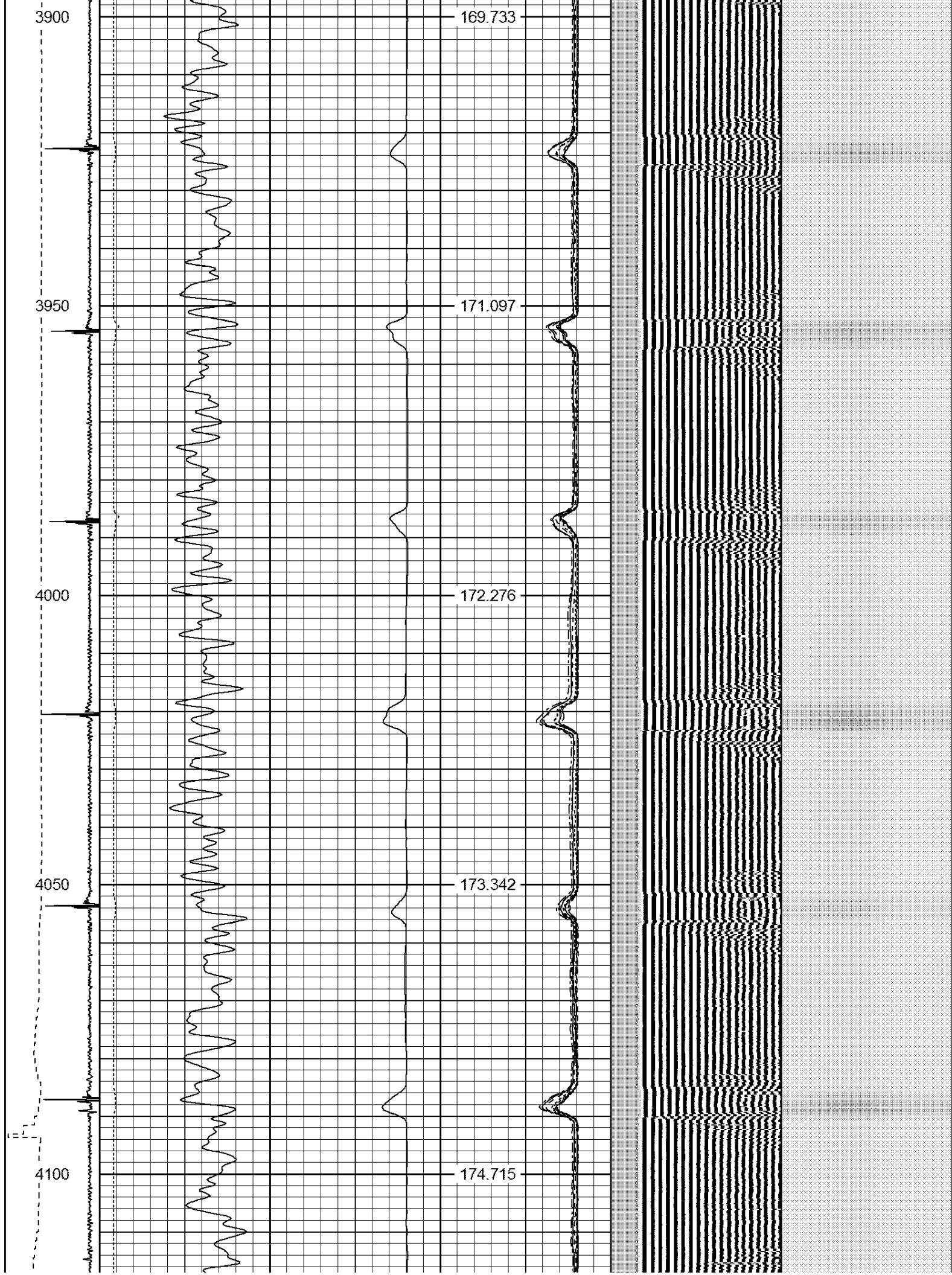


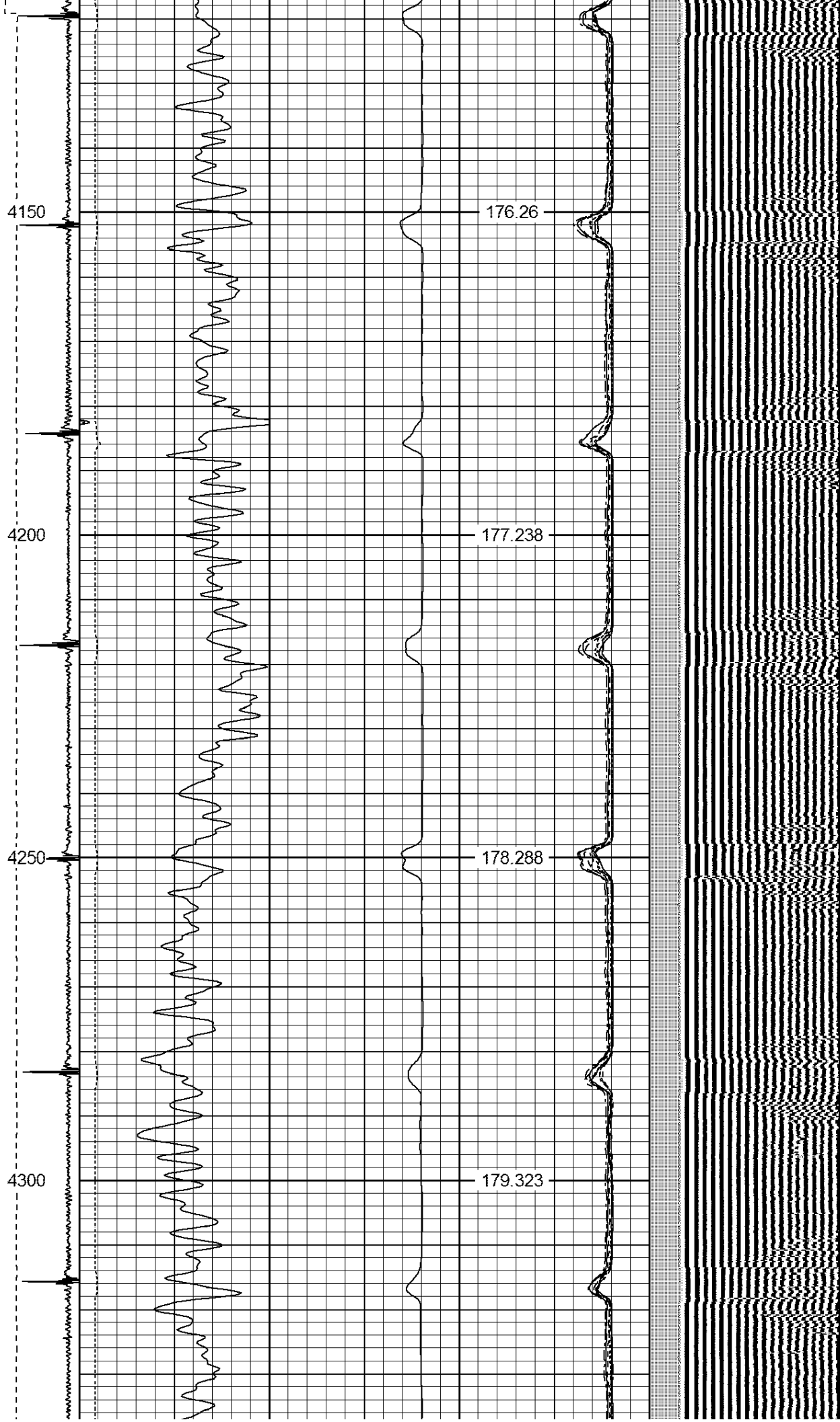


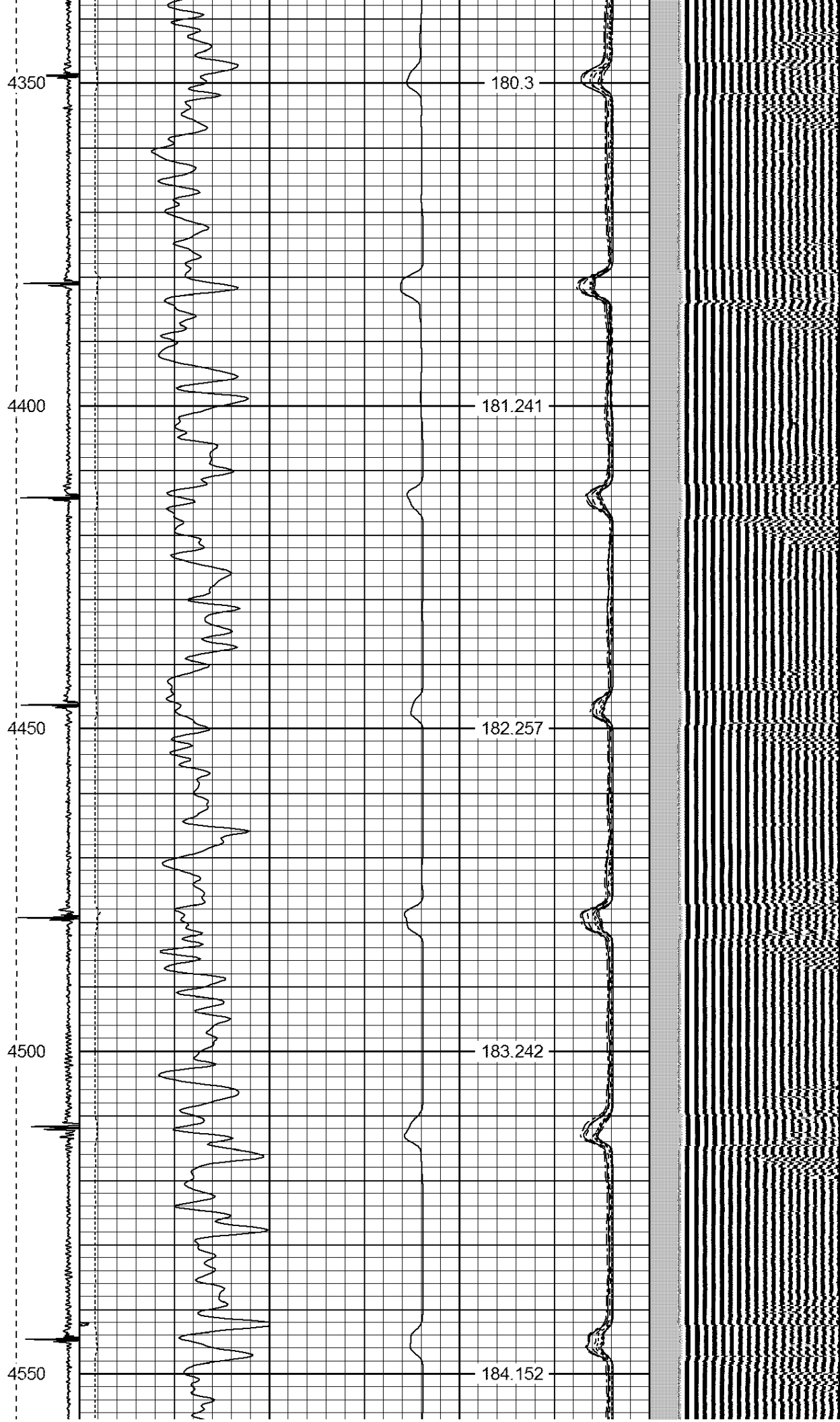


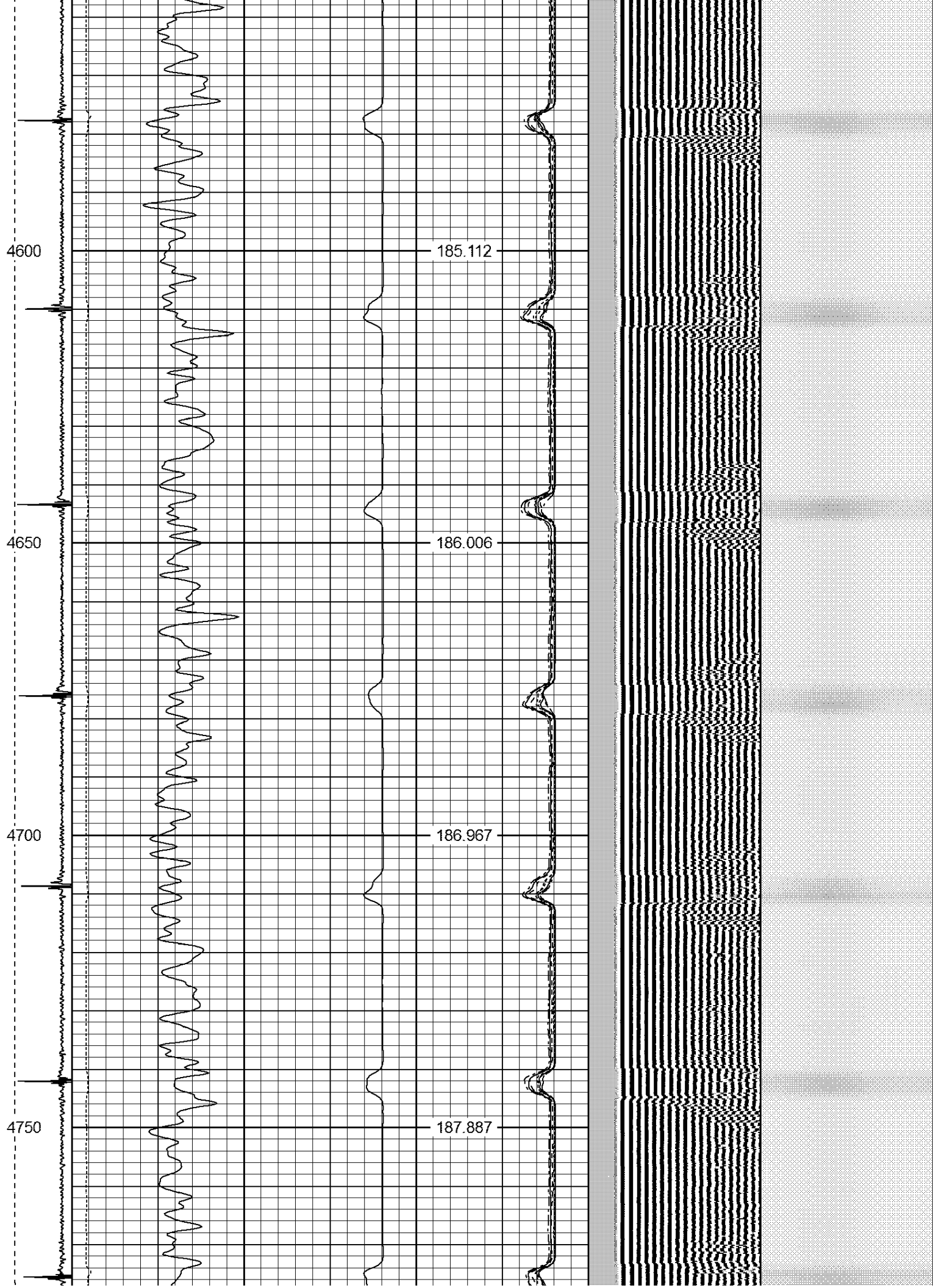


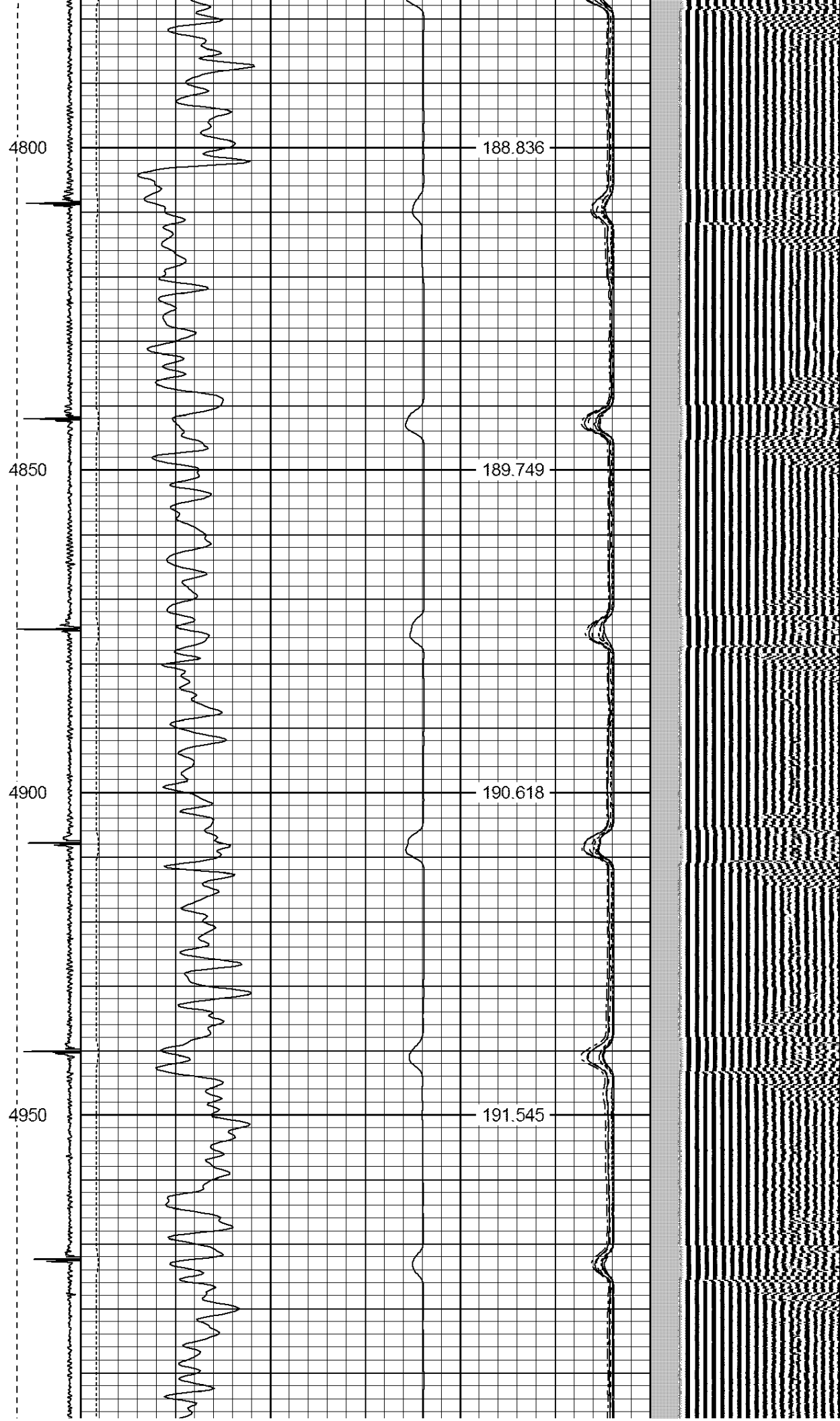


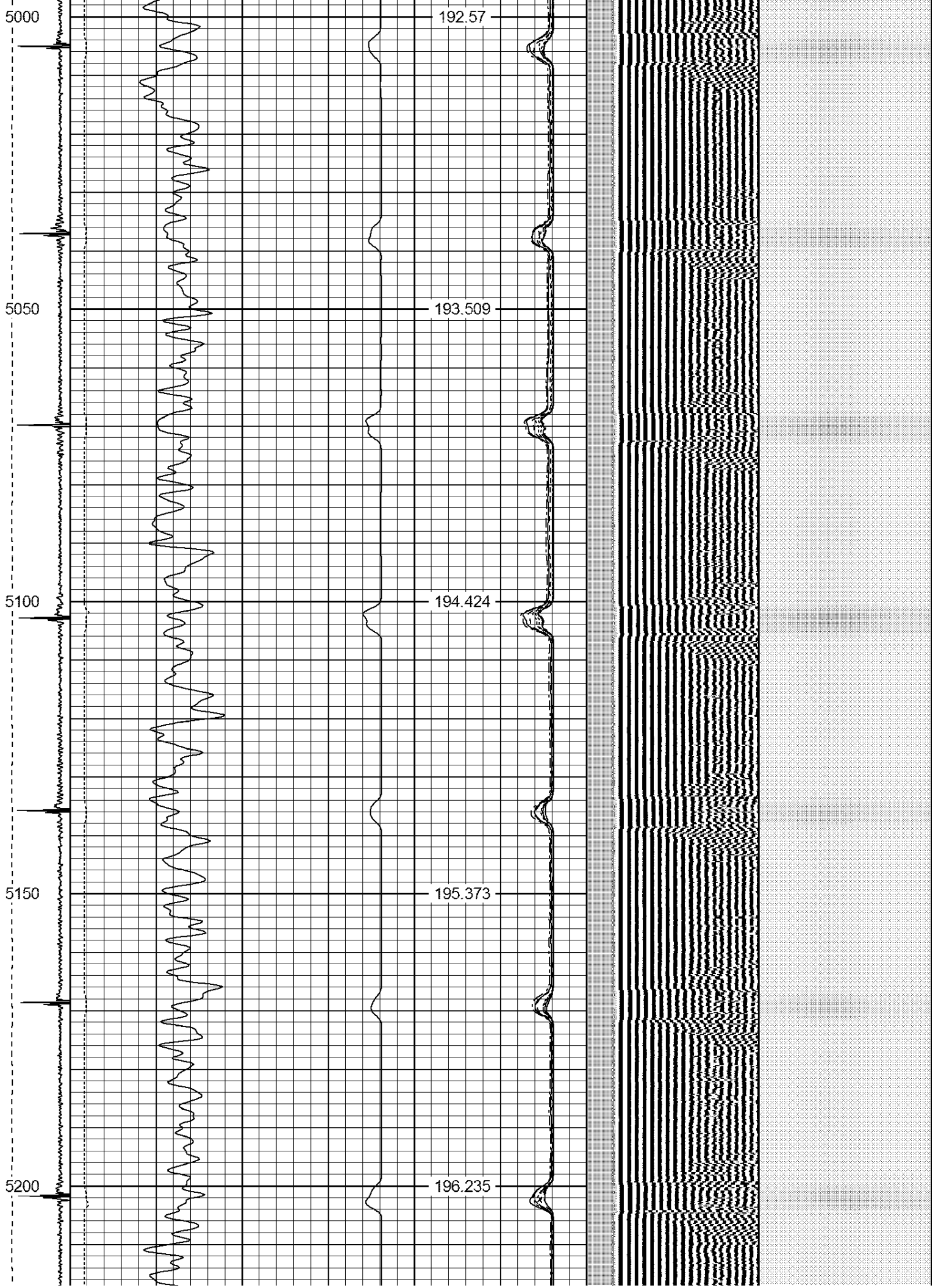


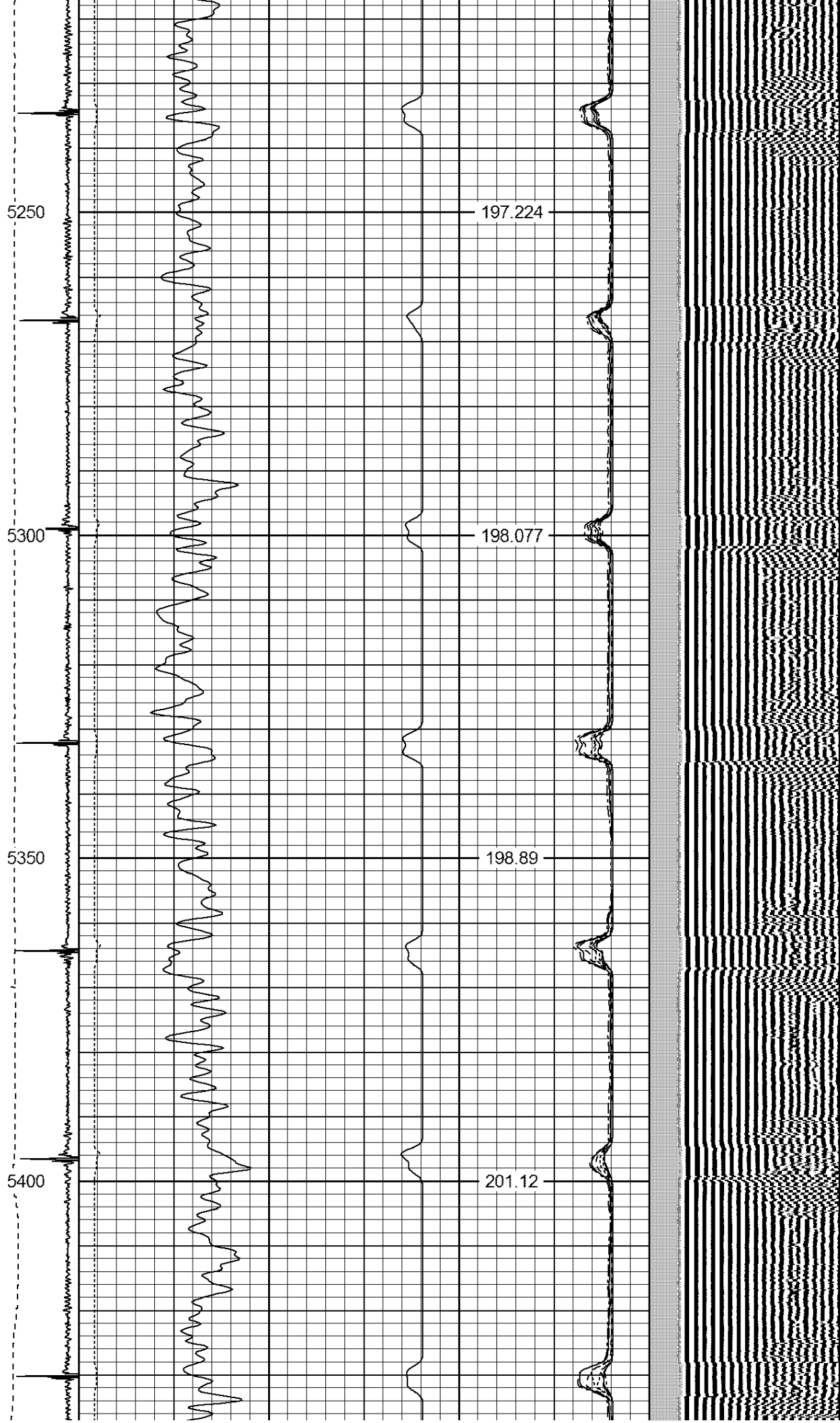


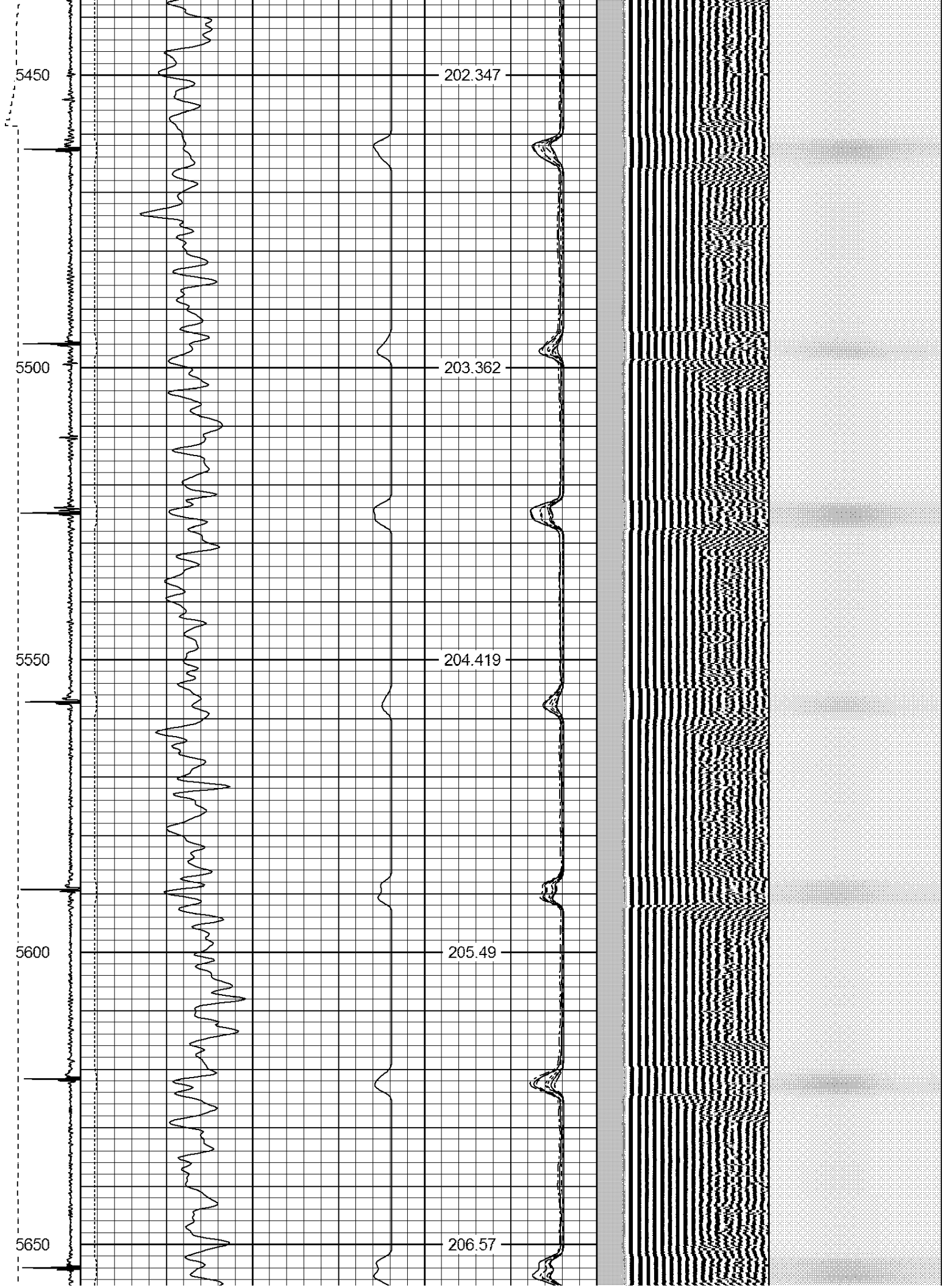


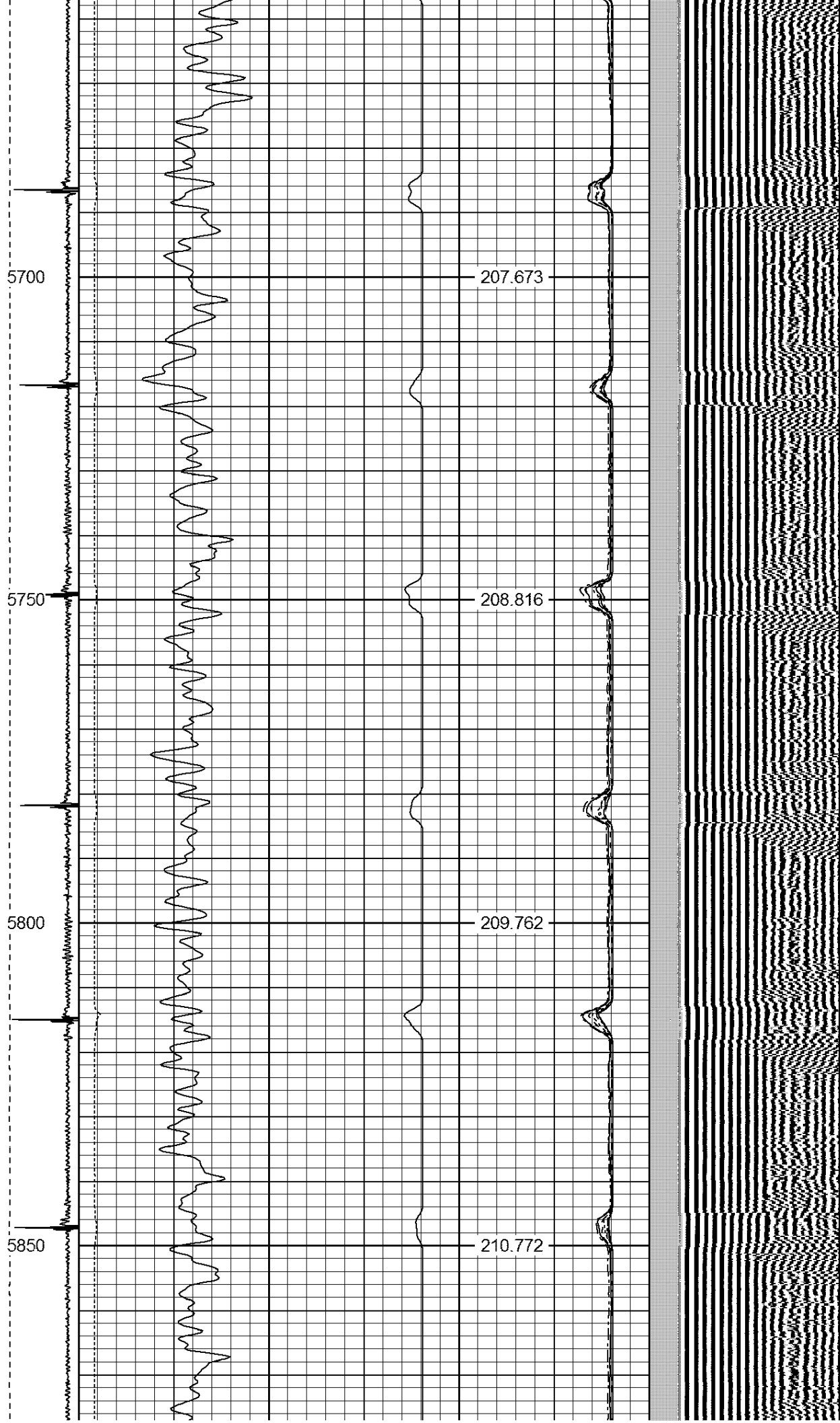


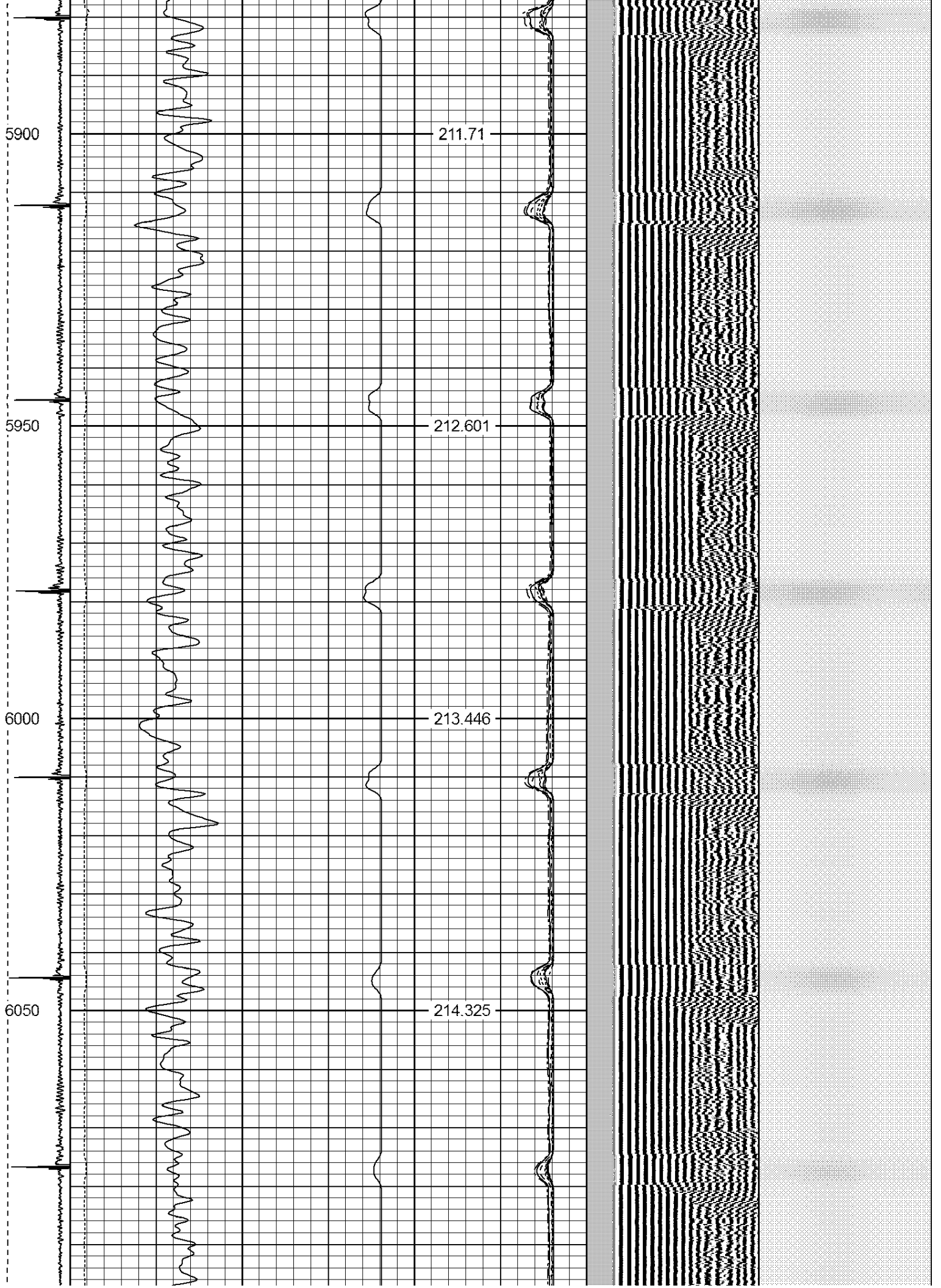












6100

215.187

6150

215.91

6200

216.594

6250

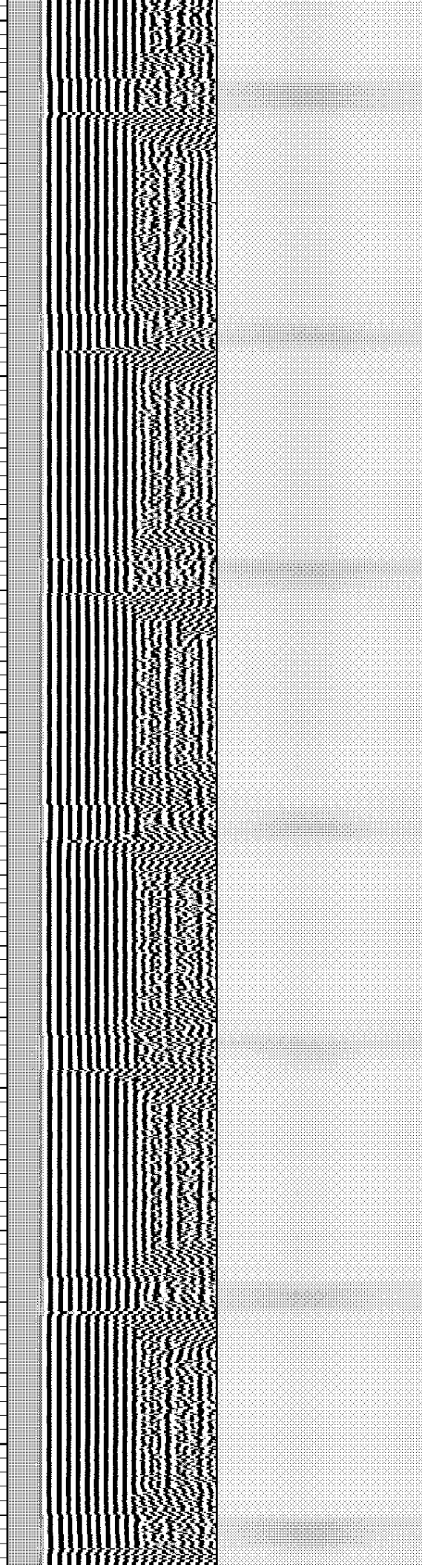
217.269

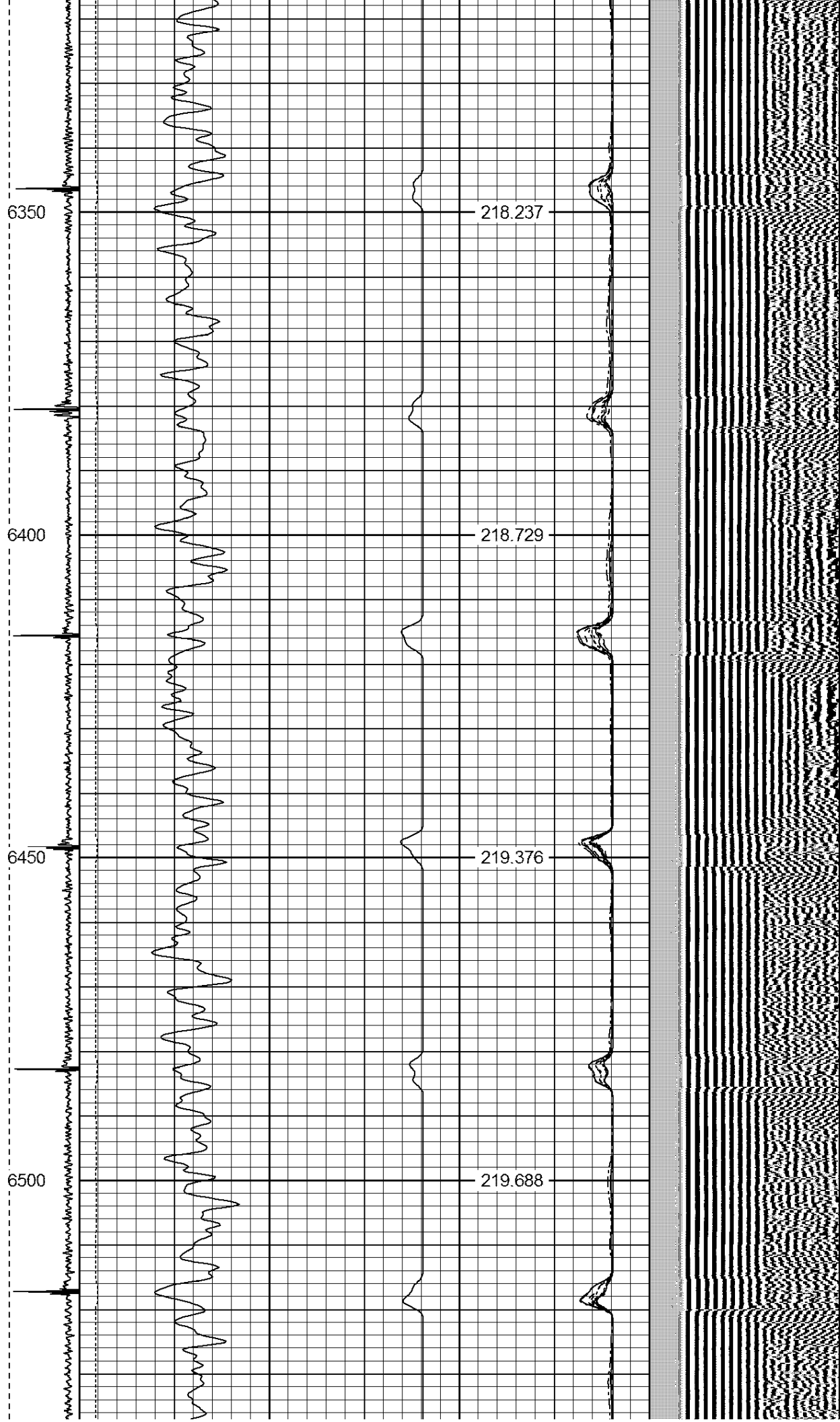
6300

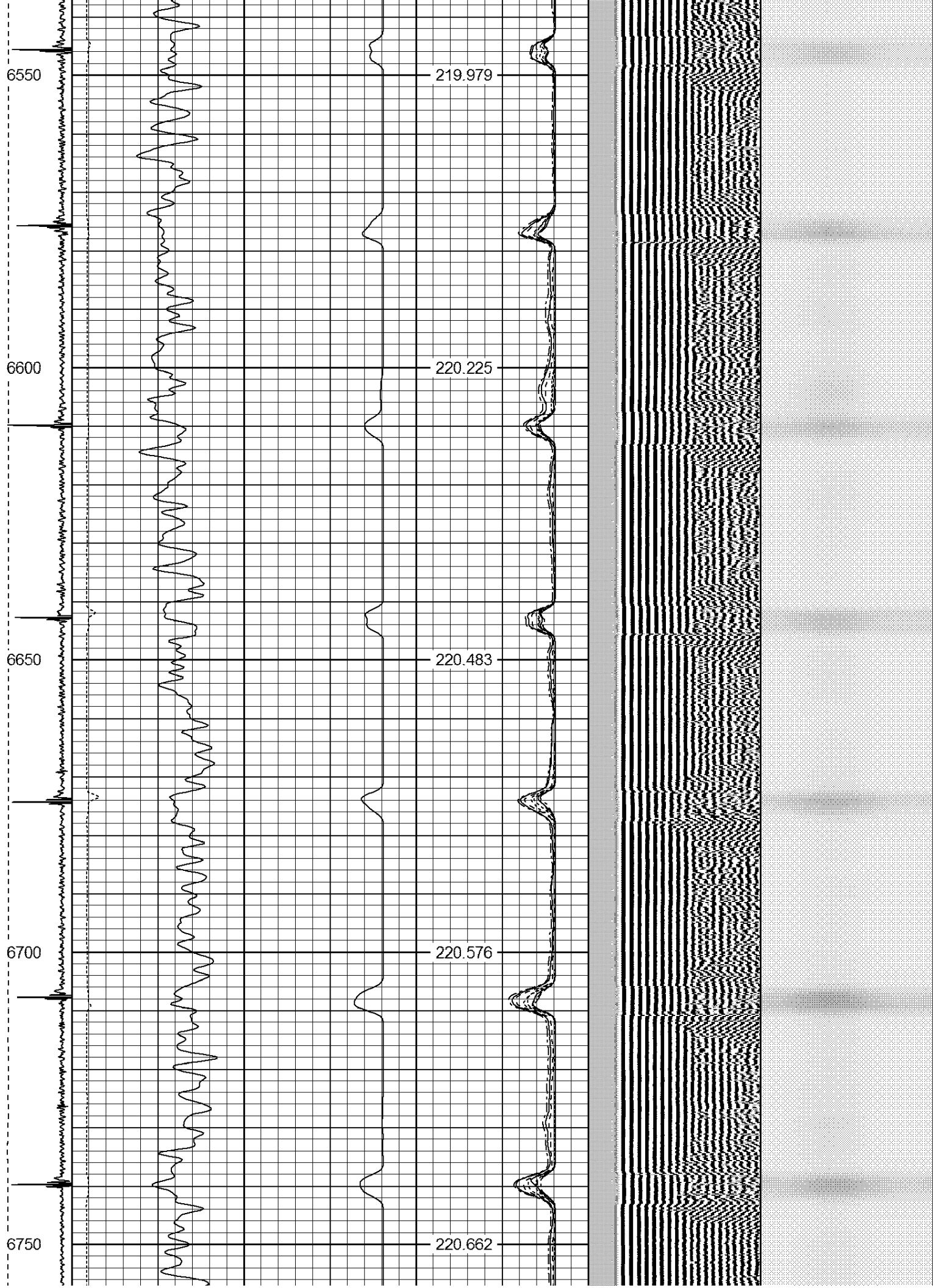
217.808

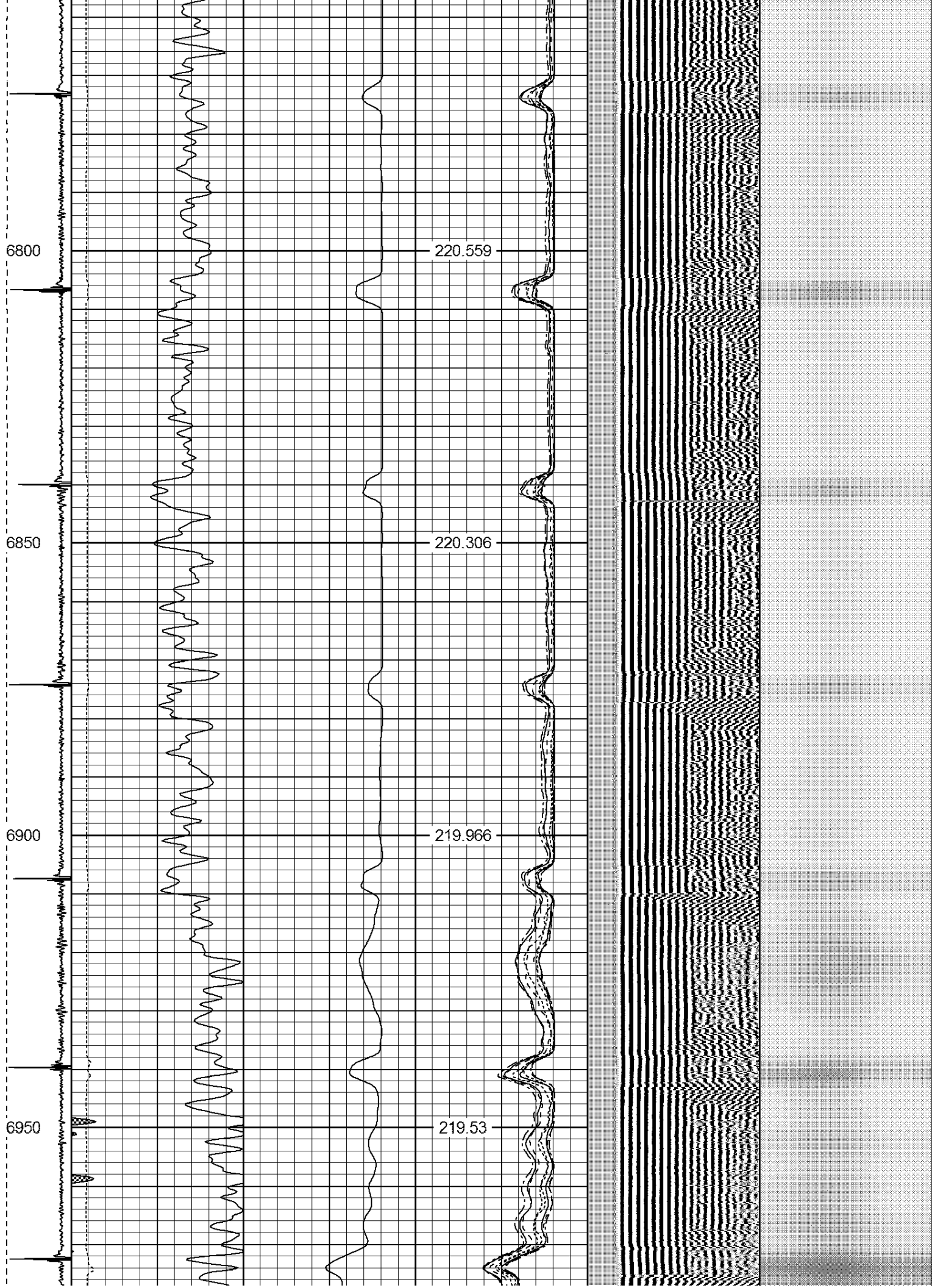
FREE PIPE CALIBRATION →

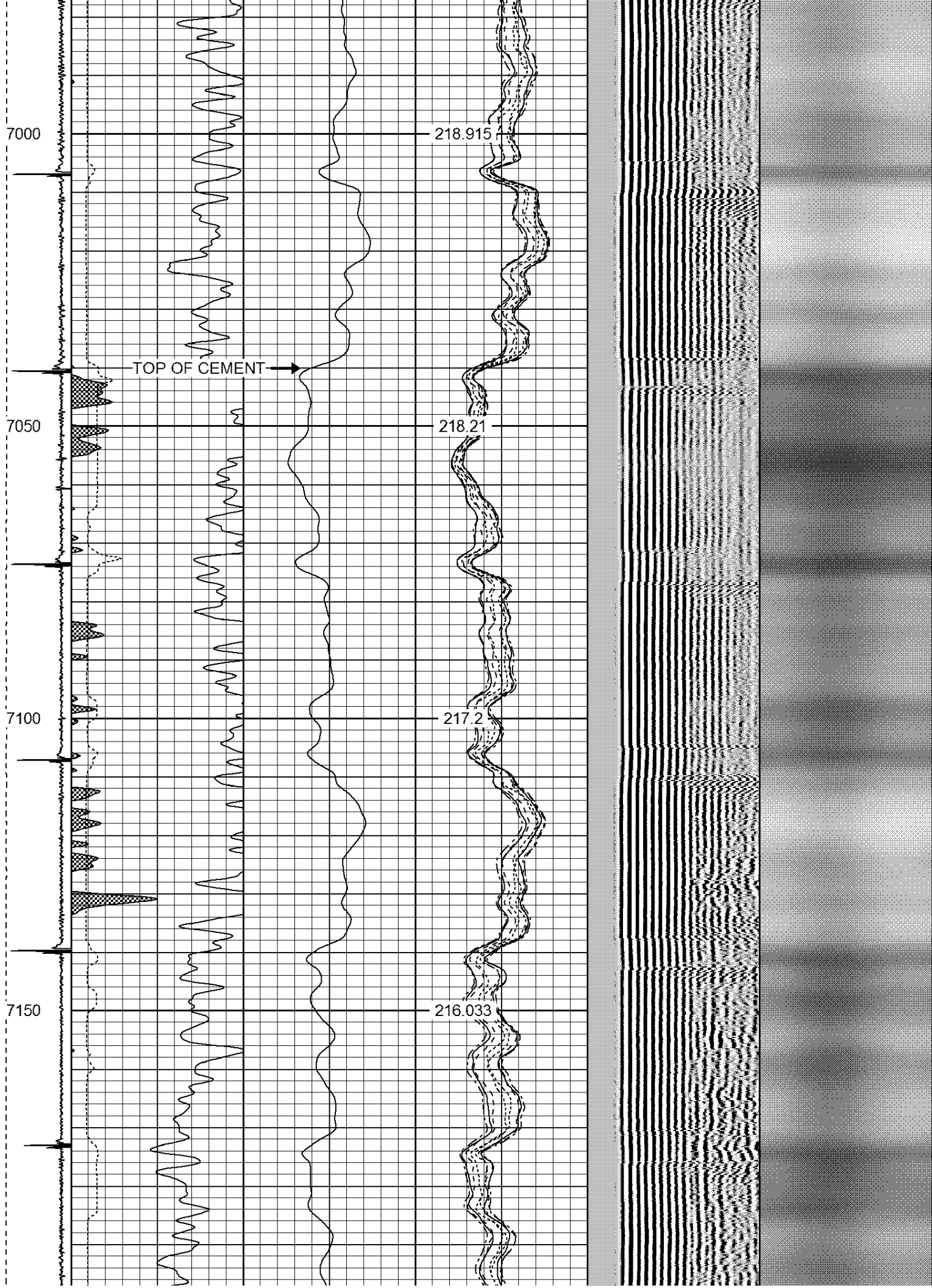
81mA IN 4.5"

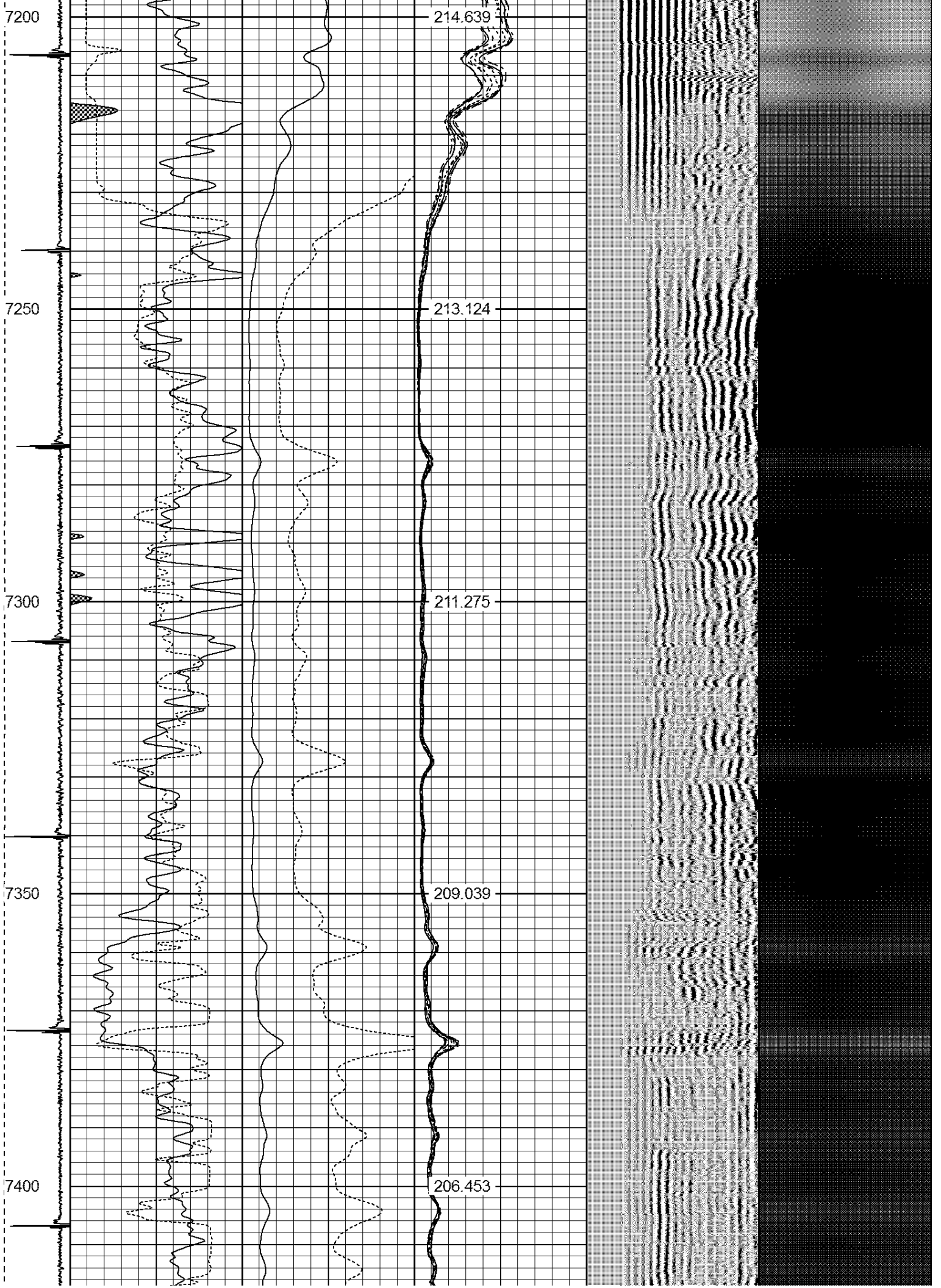


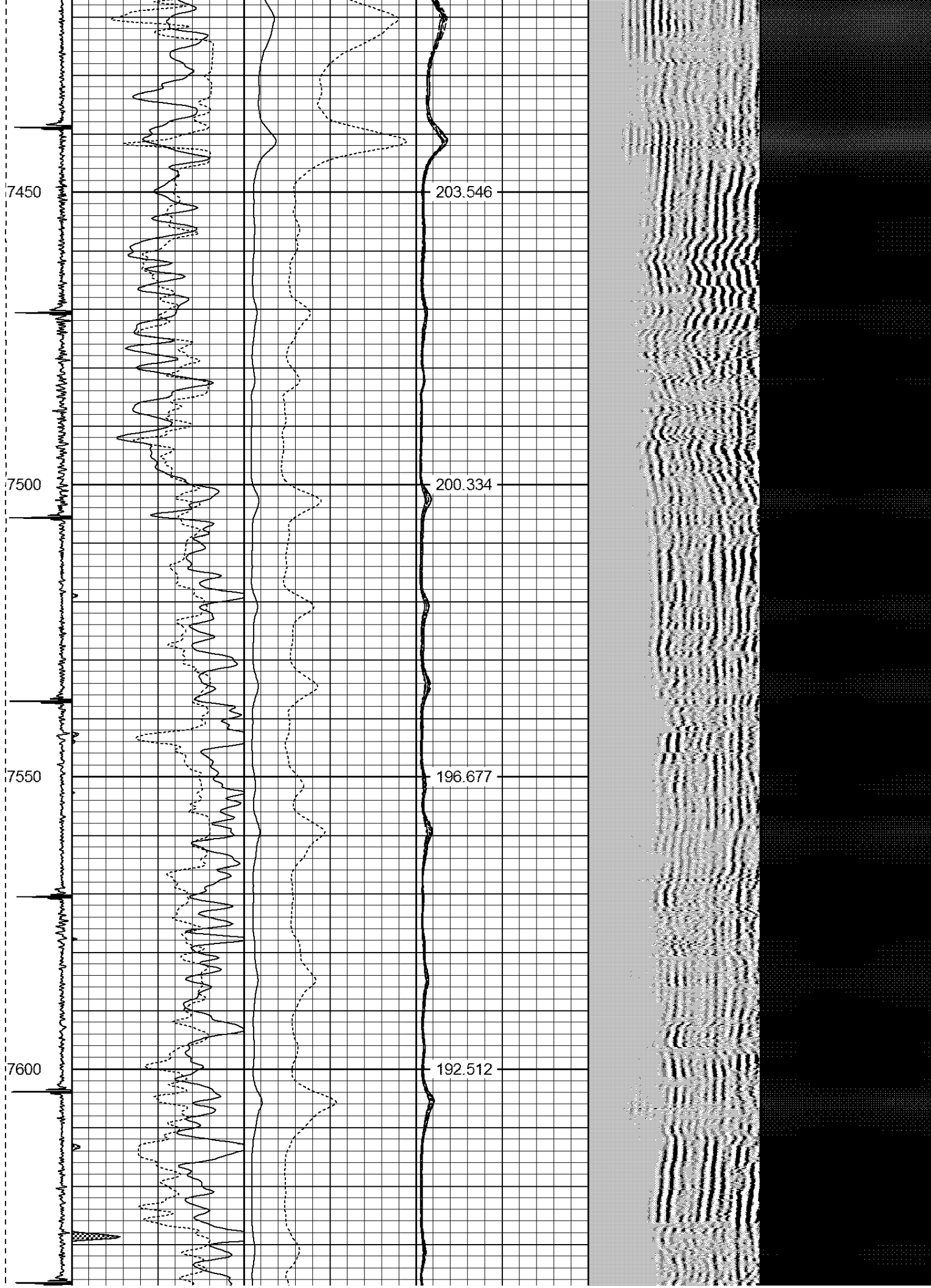


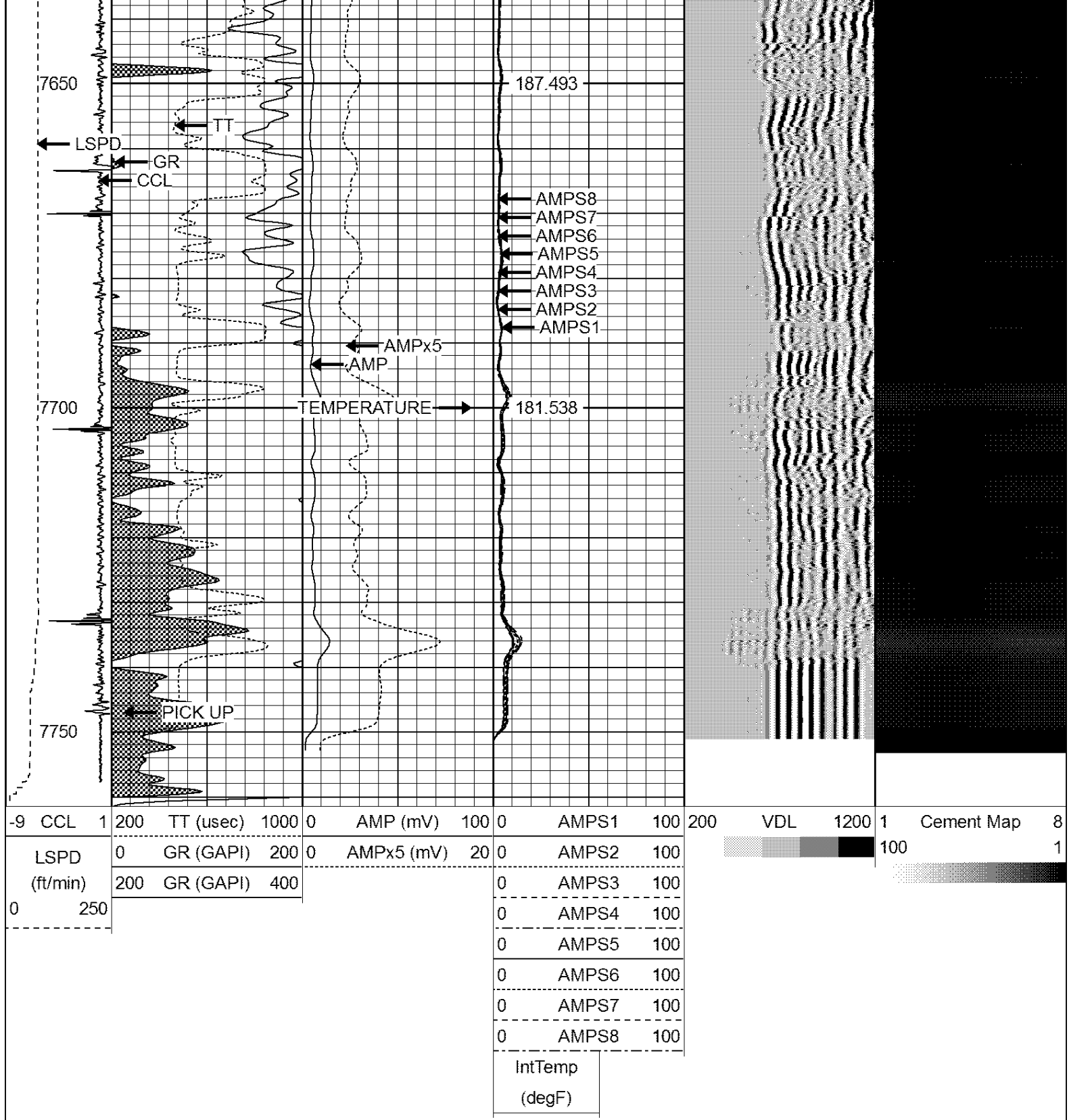












Calibration Report

Database File: dodero louis ut b 1.db
 Dataset Pathname: pass3
 Dataset Creation: Thu Feb 18 21:53:38 2016 by Log 7.0 B1

Gamma Ray Calibration Report

Serial Number: 275
 Tool Model: Probe
 Performed: Tue Sep 23 07:13:12 2014

Calibrator Value: 100.0 GAPI

Background Reading:	35.0	cps
Calibrator Reading:	160.0	cps
Sensitivity:	1.0000	GAPI/cps

Compensated Neutron Calibration Report						
Serial Number:			275			
Tool Model:			Probe_B			
CALIBRATION			Wed Jul 30 08:47:19 2008			
Detector		Readings		Target		Normalization
Short Space		5001.20	cps	0.00	cps	1.0000
Long Space		1029.31	cps	0.00	cps	1.0000

PRE-SURVEY VERIFICATION						
Detector		Readings		Measured		Target
1)	Short Space		cps			
	Long Space		cps	pu		pu
2)	Short Space		cps			
	Long Space		cps	pu		
3)	Short Space		cps			
	Long Space		cps	pu		

POST-SURVEY VERIFICATION						
Detector		Readings		Measured		Target
1)	Short Space		cps			
	Long Space		cps	pu		pu
2)	Short Space		cps			
	Long Space		cps	pu		pu
3)	Short Space		cps			
	Long Space		cps	pu		pu

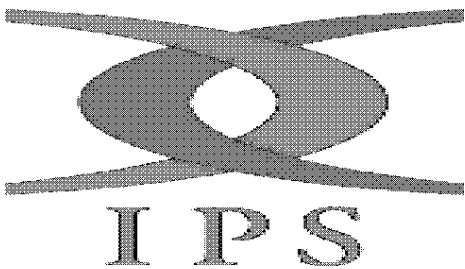
Segmented Cement Bond Log Calibration Report						
Serial Number:			Base			
Tool Model:			Probe			
Calibration Casing Diameter:			4.500	in		
Calibration Depth:			230.933	ft		

Master Calibration, performed Thu Feb 18 21:39:03 2016:						
		Raw (v)		Calibrated (mv)		Results
		Zero	Cal	Zero	Cal	Gain Offset
3'		0.003	2.500	2.000	81.196	31.713 1.915
CAL		1.454	2.500			
5'		0.003	2.500	2.000	81.196	31.712 1.916
SUM						
S1		0.005	2.500	0.500	81.000	32.269 0.328
S2		0.004	2.500	0.500	81.000	32.246 0.385
S3		0.005	2.500	0.500	81.000	32.258 0.354
S4		0.004	2.500	0.500	81.000	32.251 0.372
S5		0.003	2.500	0.500	81.000	32.235 0.412
S6		0.004	2.500	0.500	81.000	32.256 0.359
S7		0.007	2.500	0.500	81.000	32.285 0.286

S8	0.005	2.500	0.500	81.000	32.267	0.331
Internal Reference Calibration, performed Tue Jun 05 07:53:42 2012:						
	Raw (v)		Calibrated (v)		Results	
	Zero	Cal	Zero	Cal	Gain	Offset
CAL	0.000	0.000	1.454	2.500	1.000	0.000

Air Zero Calibration, performed Thu Feb 18 18:53:33 2016:

	Raw (v)		Calibrated (v)		Results	
	Zero		Zero		Offset	
3'	0.000		0.000		0.000	
5'	0.000		0.000		0.000	
SUM						
S1	0.000		0.000		0.000	
S2	0.000		0.000		0.000	
S3	0.000		0.000		0.000	
S4	0.000		0.000		0.000	
S5	0.000		0.000		0.000	
S6	0.000		0.000		0.000	
S7	0.000		0.000		0.000	
S8	0.000		0.000		0.000	



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Well DODERO LOUIS UT B 1
Field WATTENBERG
County WELD
State CO