



# RADIAL CEMENT BOND LOG GAMMA RAY CCL

Company Kerr McGee Oil & Gas  
Well SEBOLD DOROTHY UNIT #1  
Field Wattenberg  
County WELD State CO

Location: API # : 05-123-08119  
SE/SW Other Services

SEC 23 TWP 1N RGE 67W

Permanent Datum GL Elevation 4983  
Log Measured From KB-10'  
Drilling Measured From KB  
Elevation  
K.B. 4993  
D.F. 4992  
G.L. 4983

Date 2-18-2014

Run Number ONE  
Depth Driller 8240  
Depth Logger 8013  
Bottom Logged Interval 8009  
Top Log Interval SURFACE  
Open Hole Size 4.5  
Type Fluid WATER  
Density / Viscosity 1.0  
Max. Recorded Temp. NA  
Estimated Cement Top 402  
Time Well Ready NA  
Time Logger on Bottom NA  
Equipment Number 7770  
Location GREELEY  
Recorded By C.JONES  
Witnessed By Lehnert

Borehole Record  
Run Number Bit From To Size Weight From To  
ONE 2.38 4.7 10 8120  
TWO

Casing Record  
Surface String 8.63 Wgt/Ft 24# Top 10 Bottom 222  
Prot. String  
Production String 4.5 11.6# 10 8240  
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

RAN CBL TO VERIFY CEMENT.  
NOT CORRELLATED.  
  
THANK YOU FOR USING WARRIOR ENERGY!

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

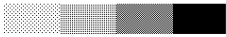

Tool Joint	Length (ft)	Weight (lb)	OD (in)	Notes
PTS275	2.83	2.75		
HEADVOLT	14.75			
IntTemp	13.33			
WVFS3FT	10.08			
WVFCAL	10.08			
WVFS1	10.08			
WVFS2	10.08			
WVFS3	10.08			
WVFS4	10.08			
WVFS5	10.08			
WVFS6	10.08			
WVFS7	10.08			
WVFS8	10.08			
WVF5FT	9.08			
CNLSC	6.00			
CNSSC	5.17			
CCL	3.64			
GR	0.90			
RBT-Probe (Base)	8.92	2.75	90.00	Probe Radii Bond Tool with Digital Telemetry
CNT-Probe_B (275)	1.50	2.75	18.00	6 bow centralizer
GR-Probe (275)	4.33	2.75	30.00	Probe 2.75"

Dataset: sebold dorothy ut 1.db: field/well/run1/pass4

Total Length: 17.58 ft

Total Weight: 138.00 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		0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100			1				
	200		200	GR (GAPI)	400				0	AMPS4	100							
0	250								0	AMPS5	100							
									0	AMPS6	100							
									0	AMPS7	100							
									0	AMPS8	100							
											IntTemp (degF)							



200

250

300

350

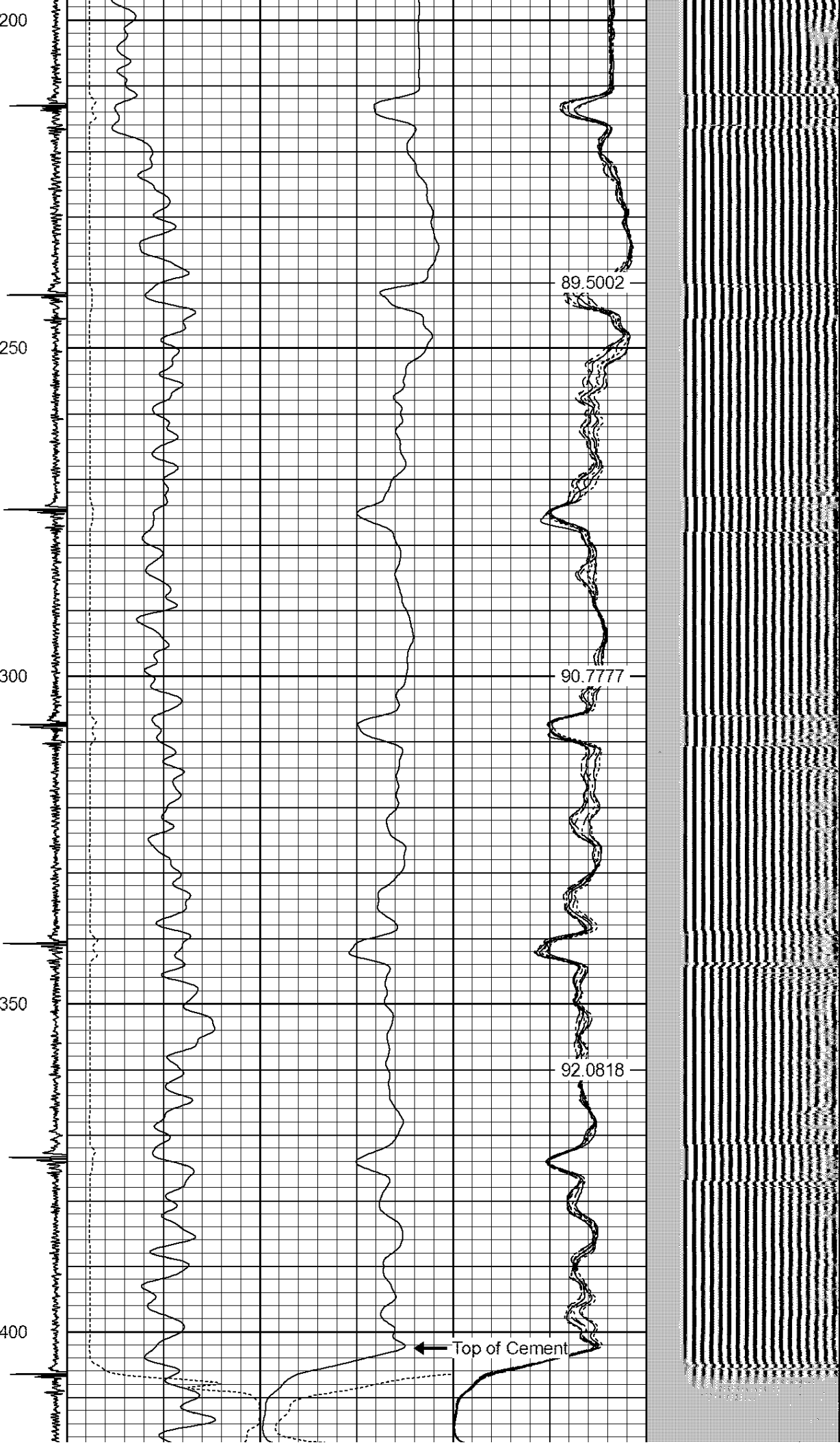
400

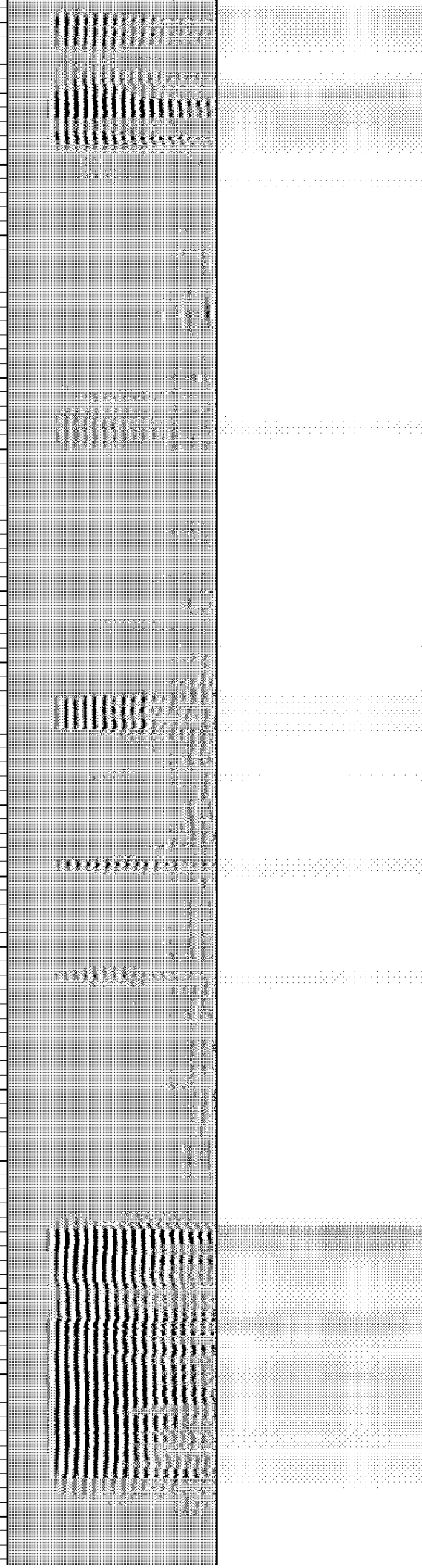
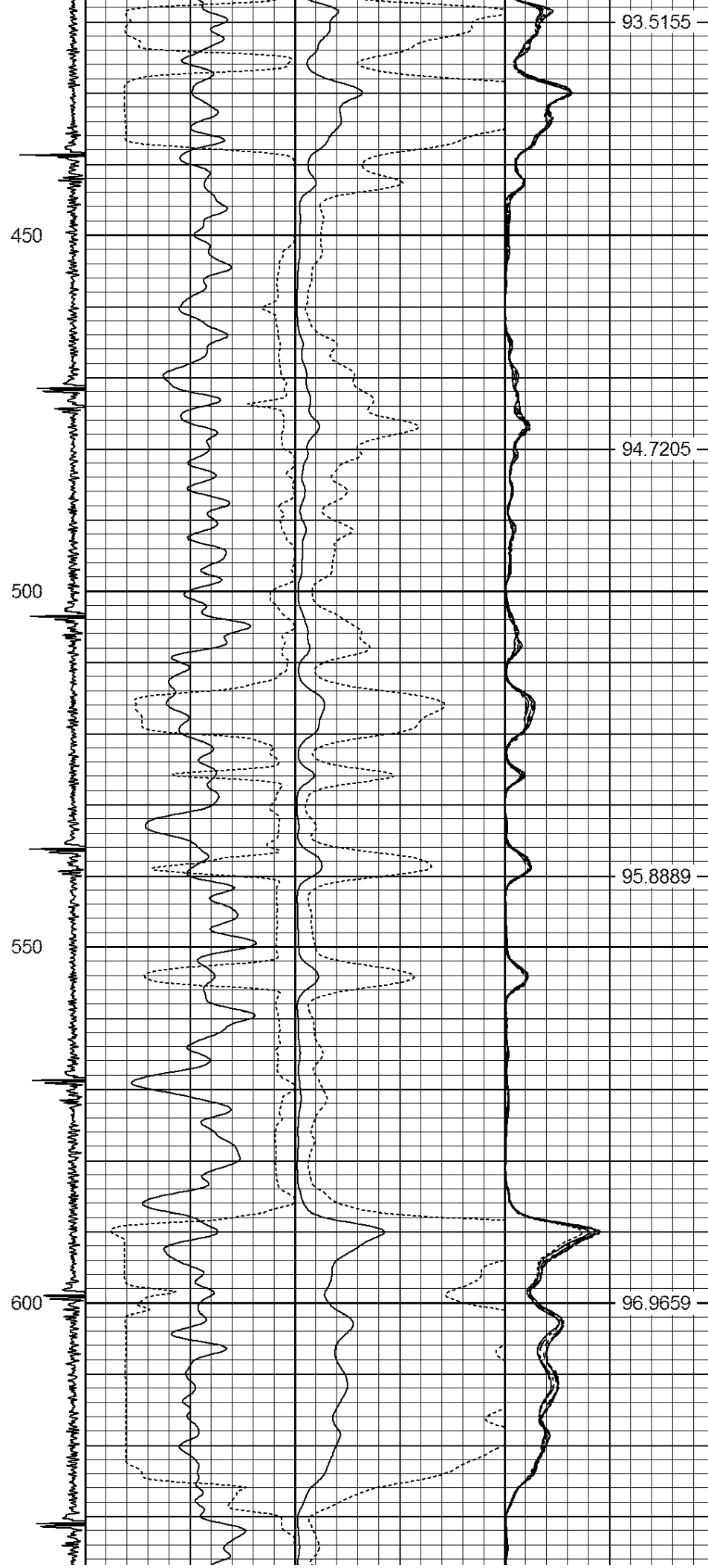
89.5002

90.7777

92.0818

← Top of Cement





650

97.9824

700

99.09

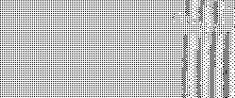
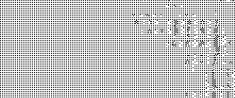
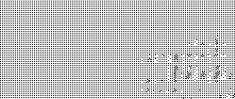
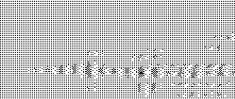
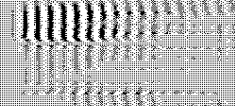
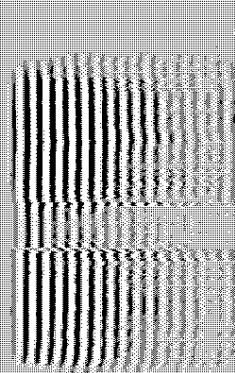
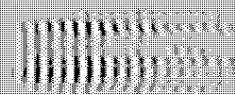
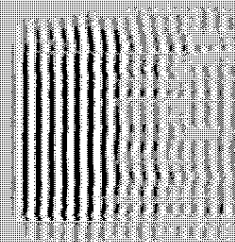
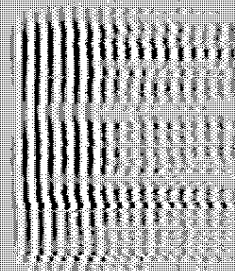
750

100.16

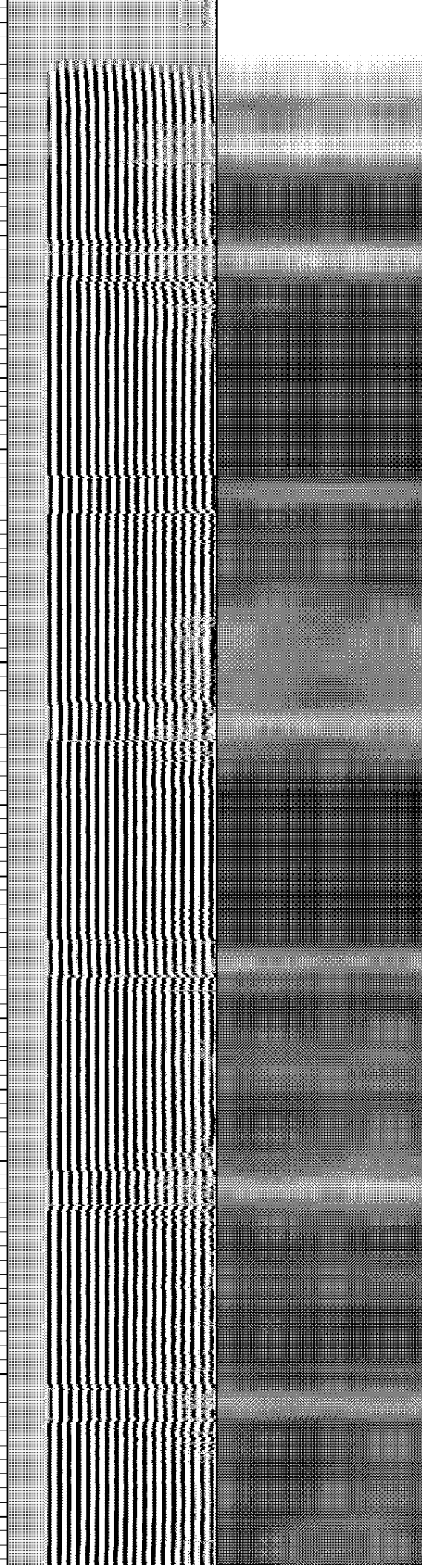
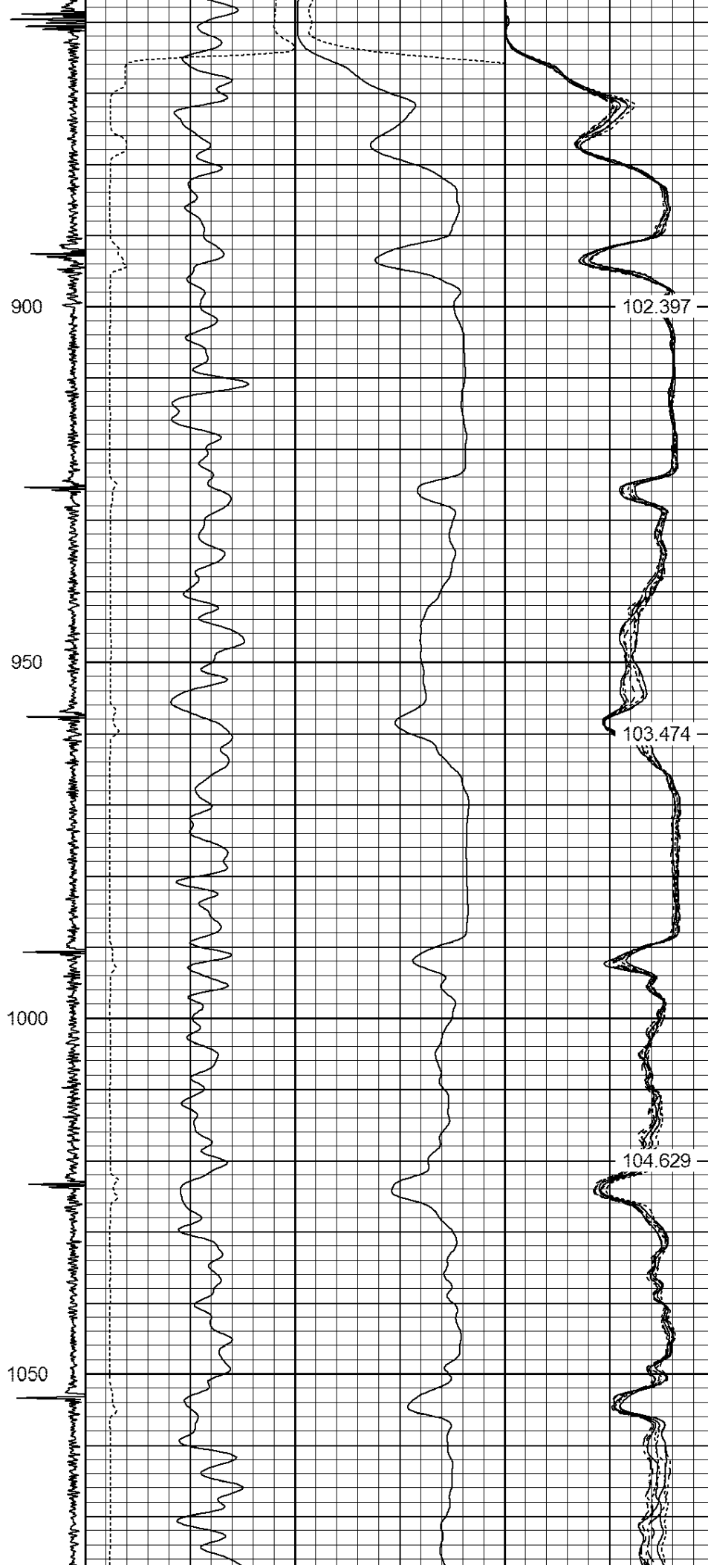
800

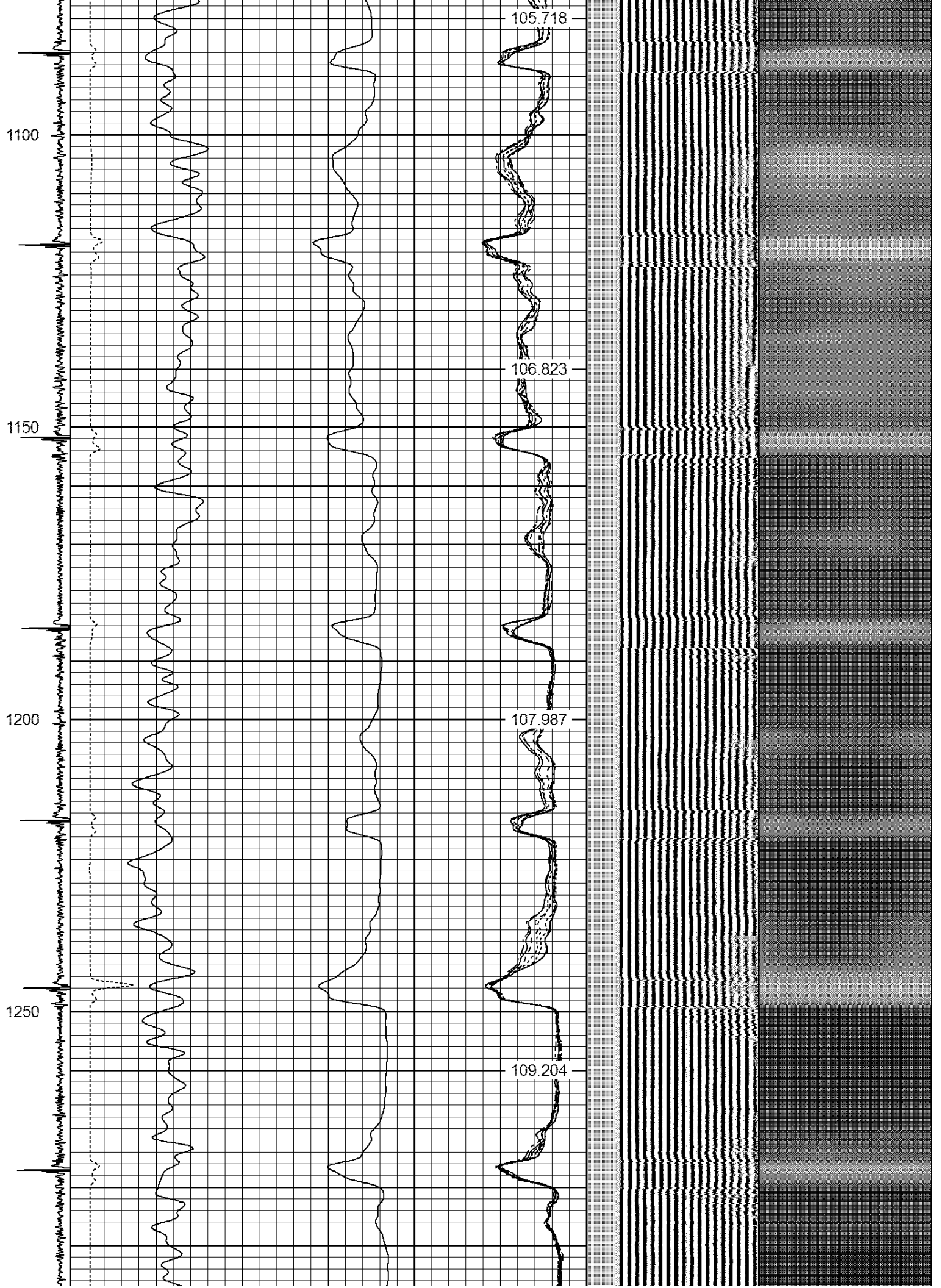
101.261

850











1300

1350

1400

1450

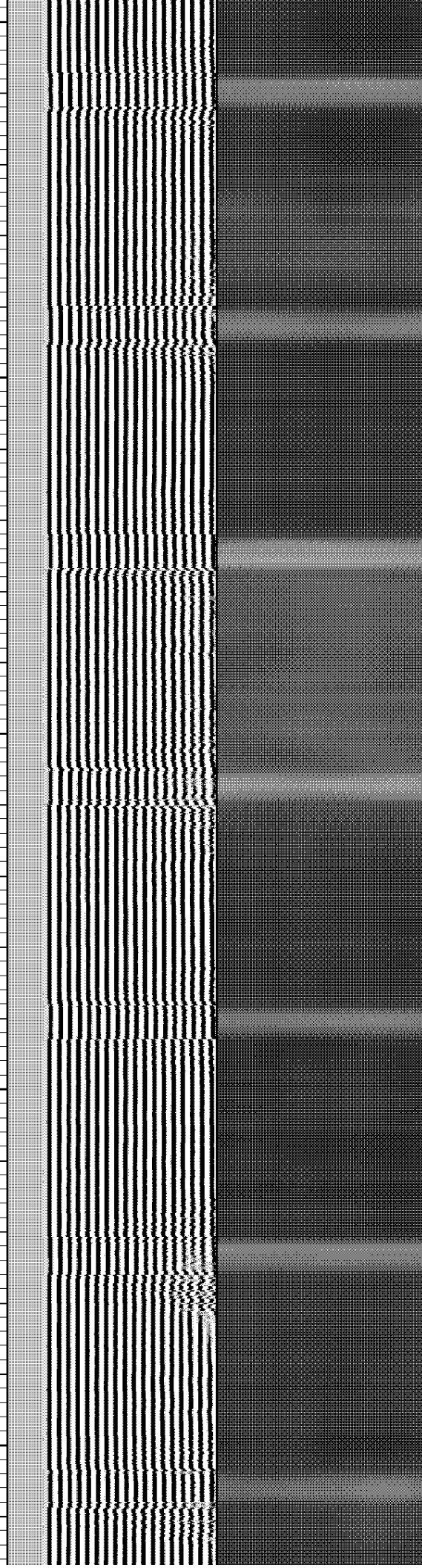
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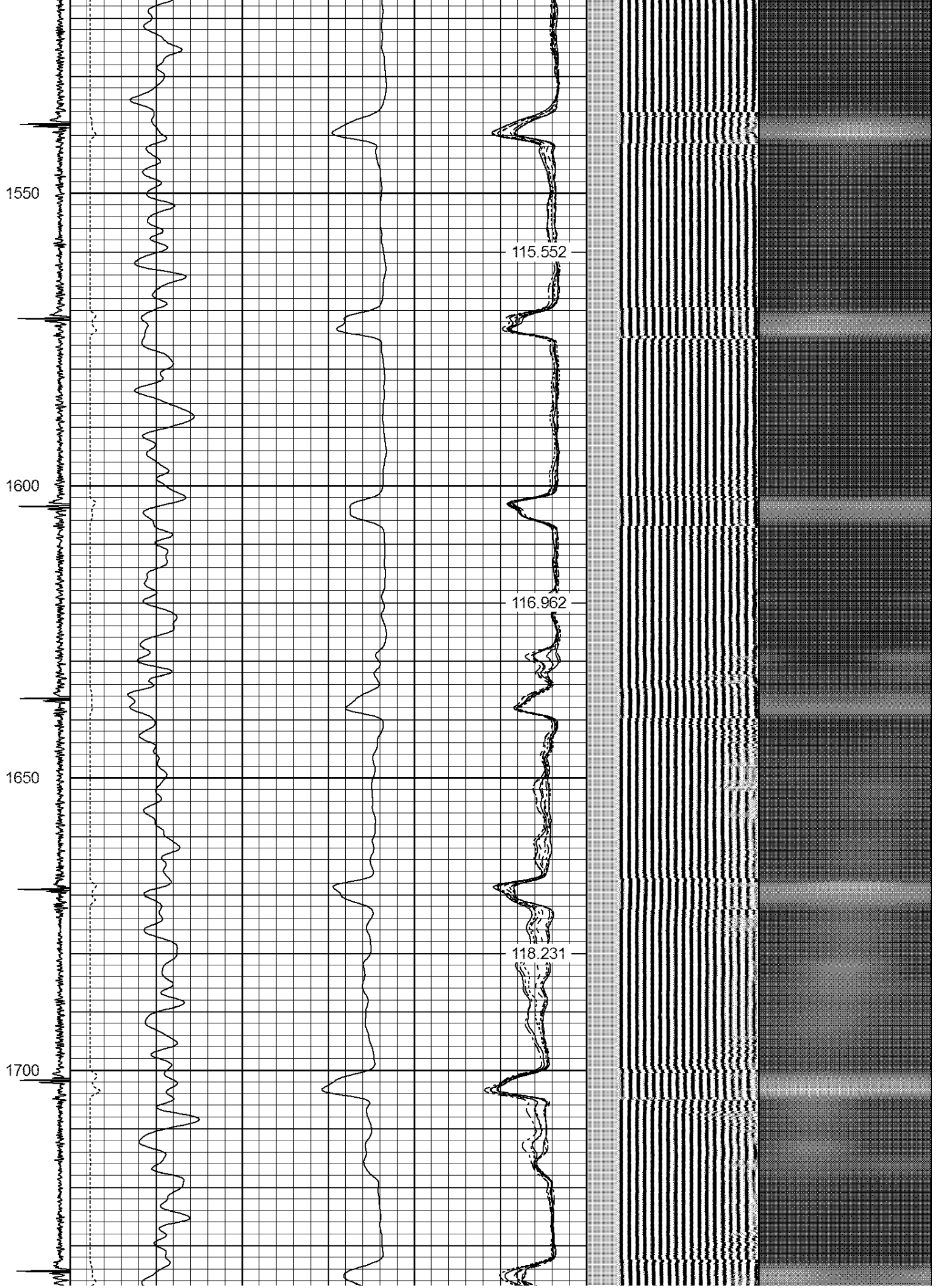
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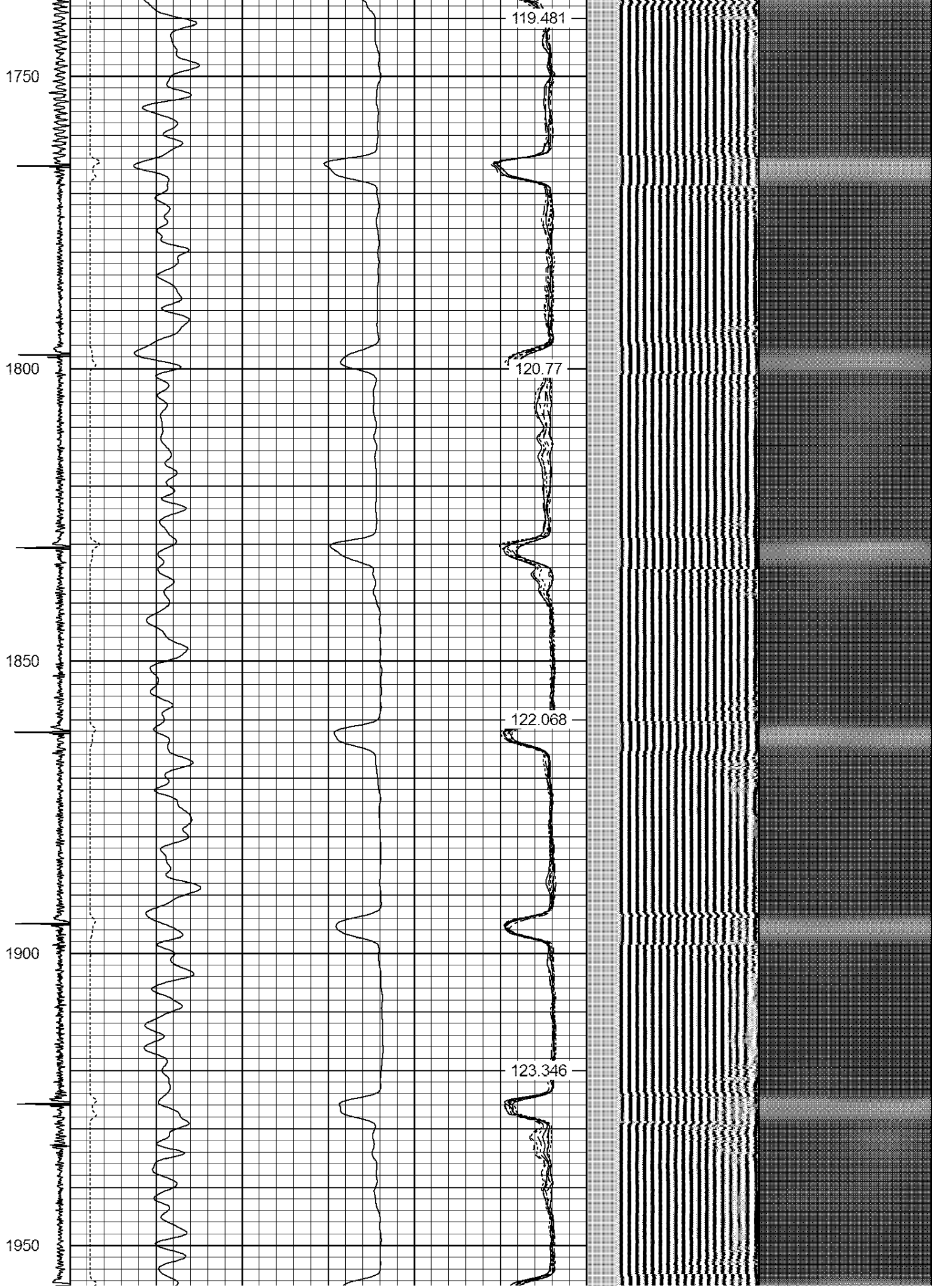
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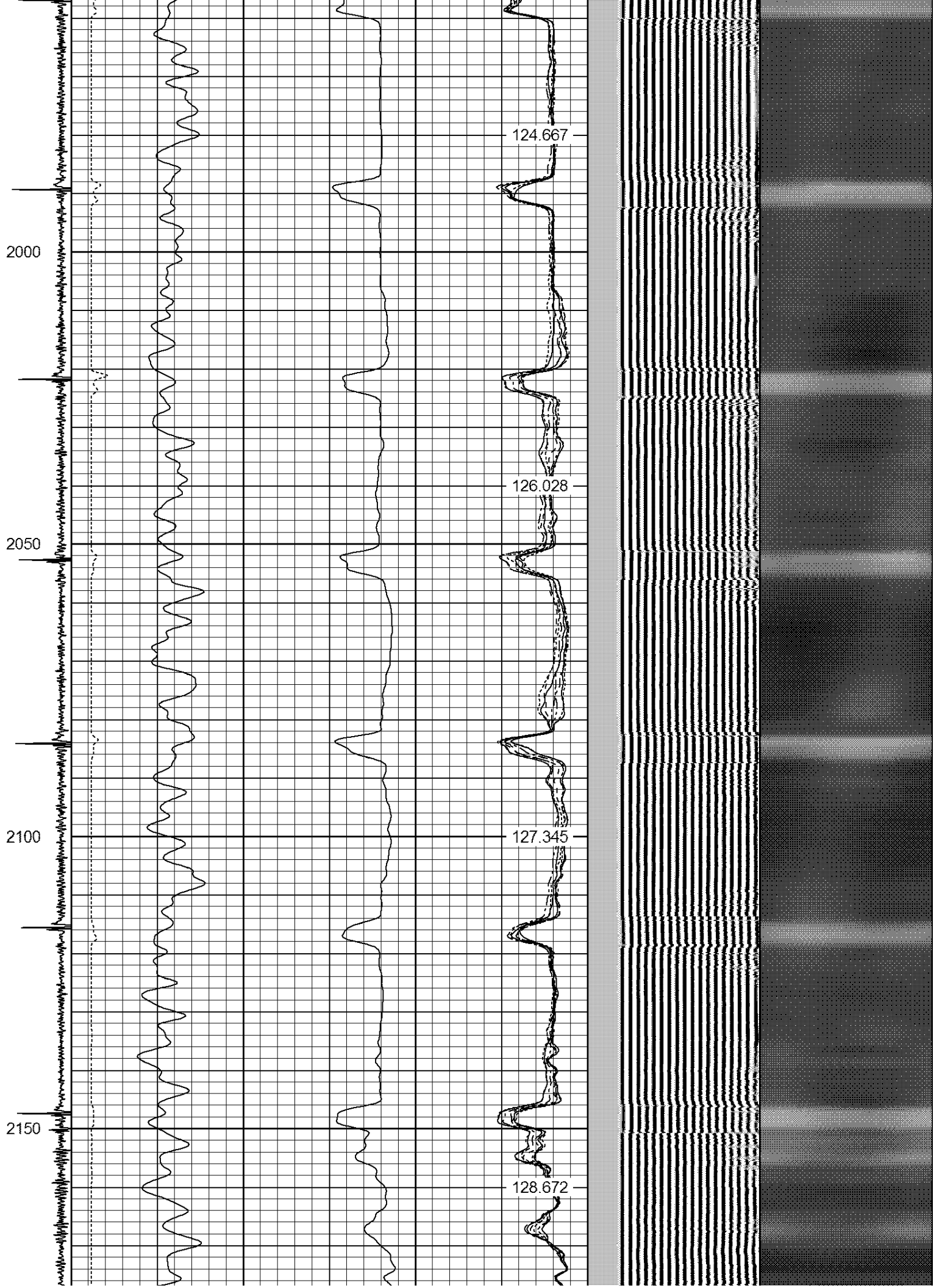
113.006

114.248











2200

2250

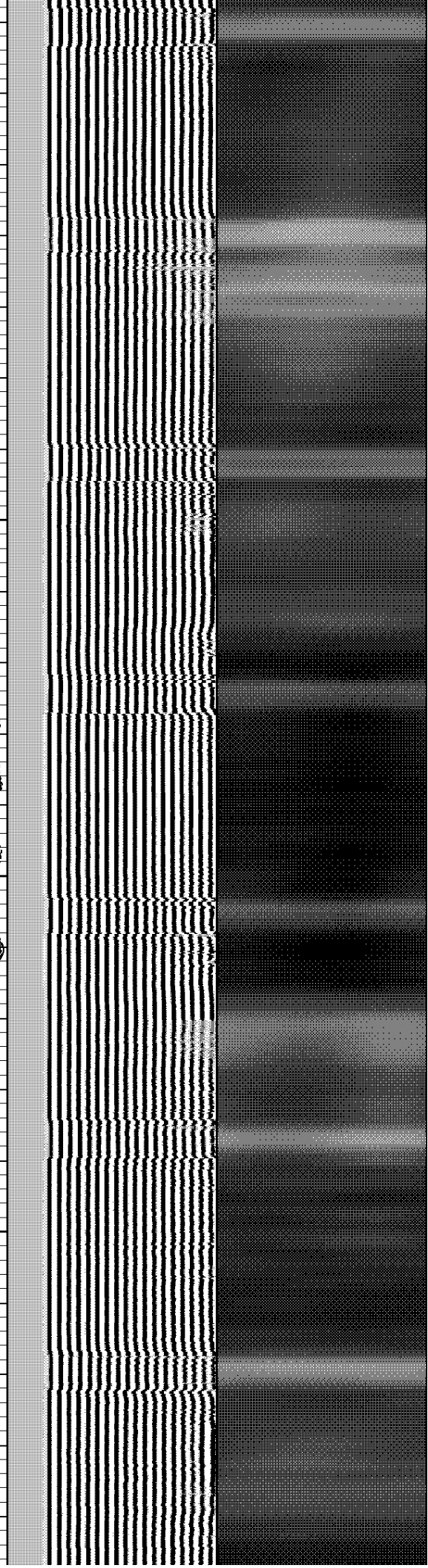
2300

2350

130.003

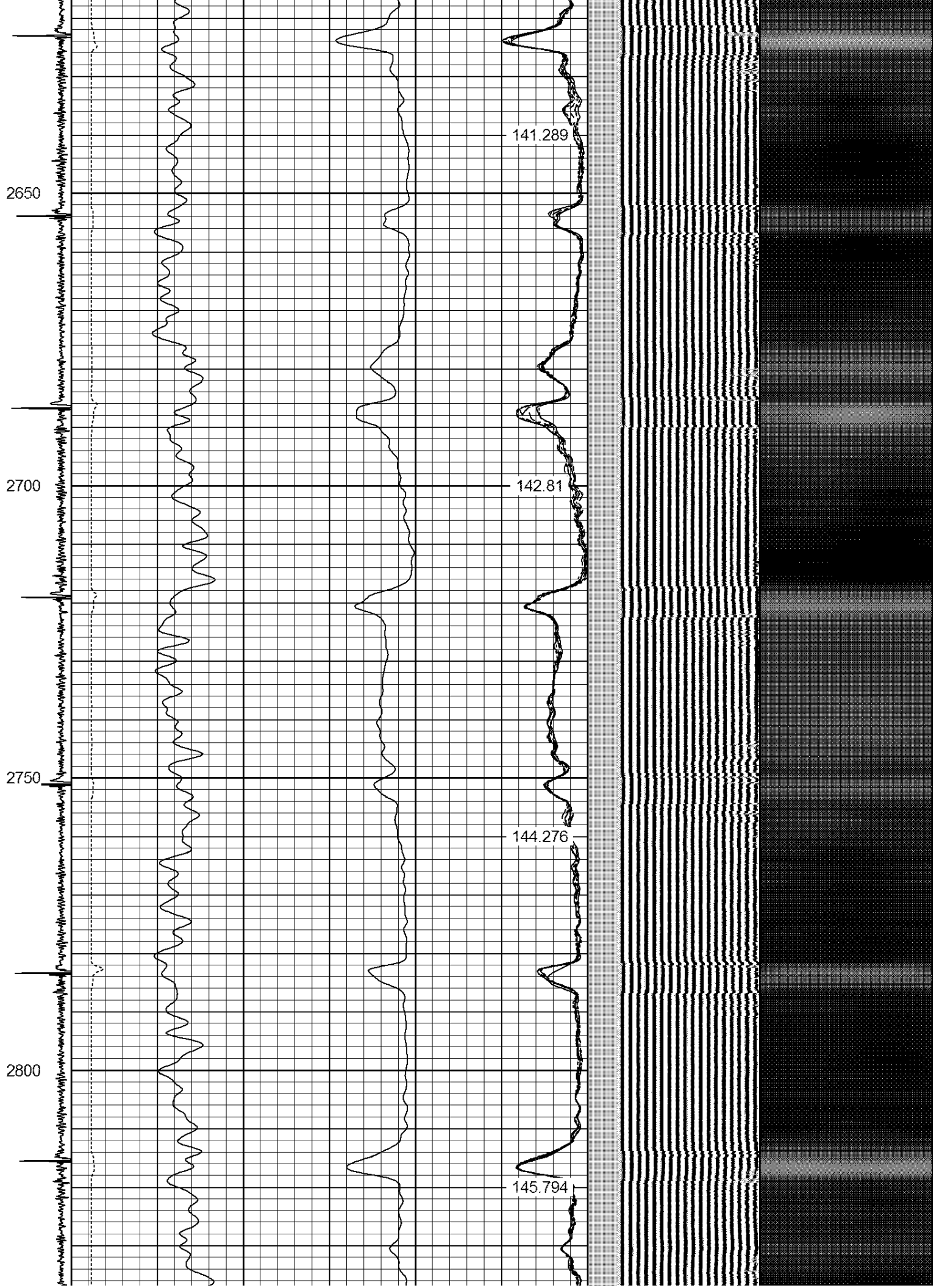
131.466

132.858

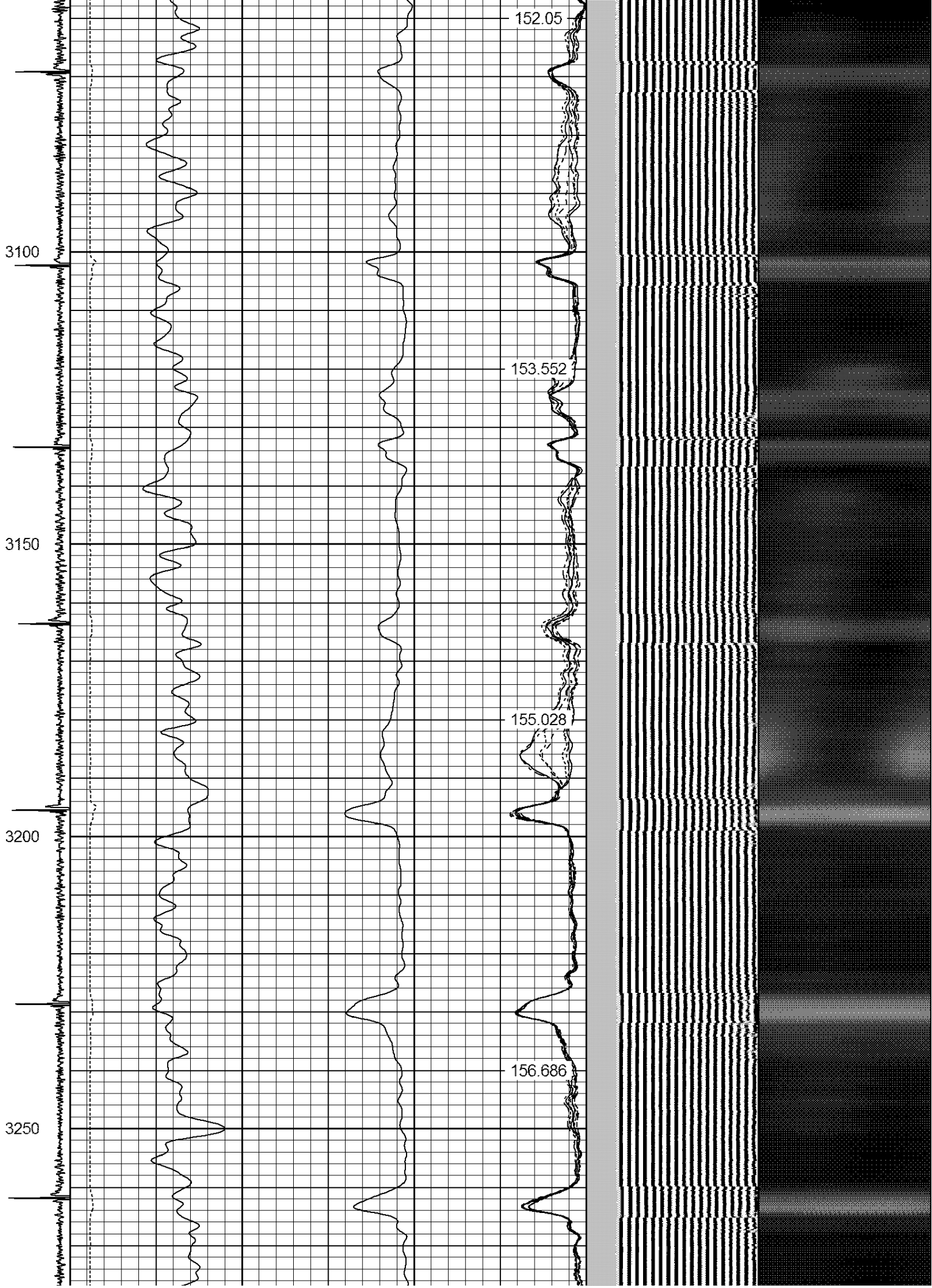












3300

159.549

3350

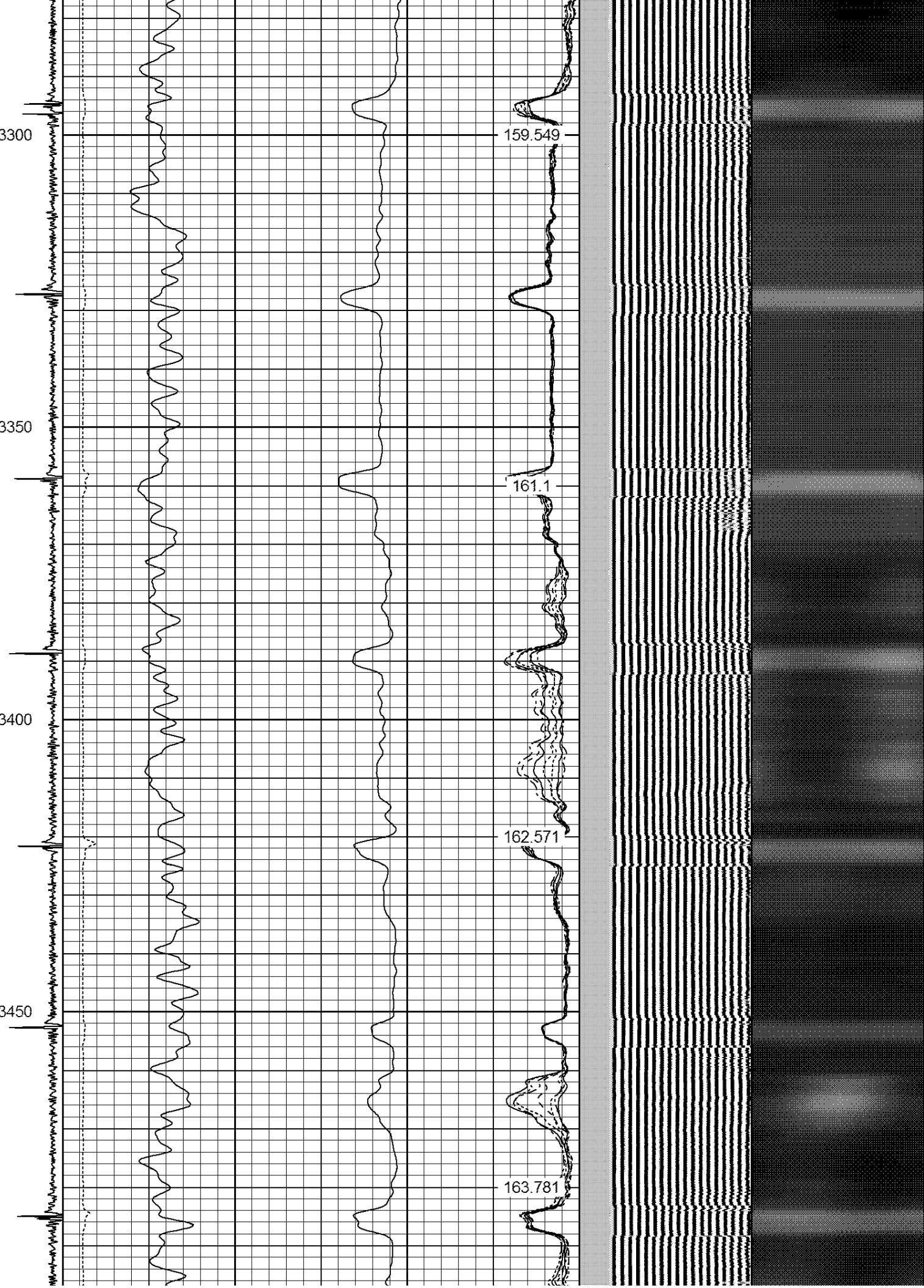
161.1

3400

162.571

3450

163.781



3500

3550

3600

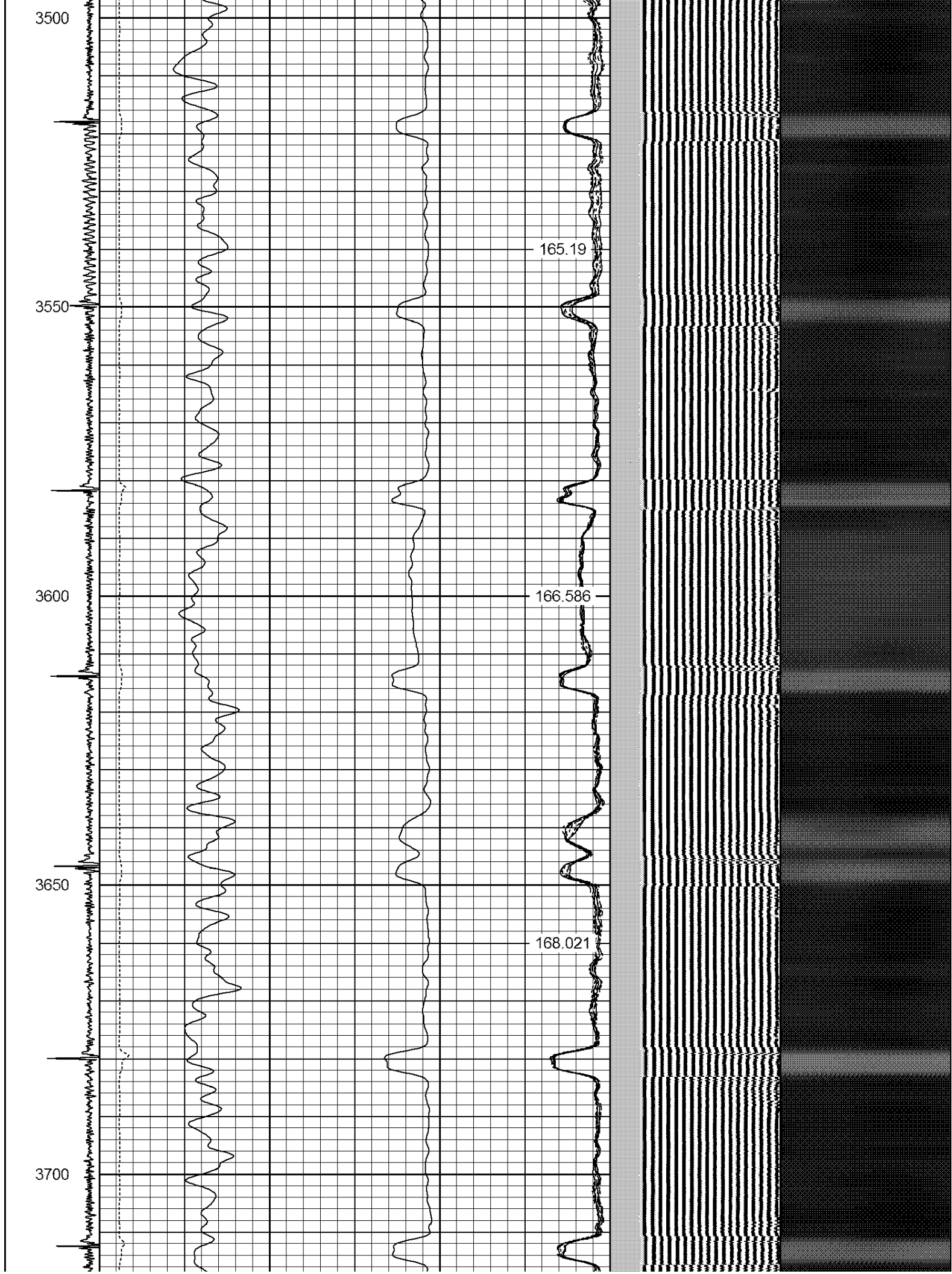
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3700

165.19

166.586

168.021





3750

3800

3850

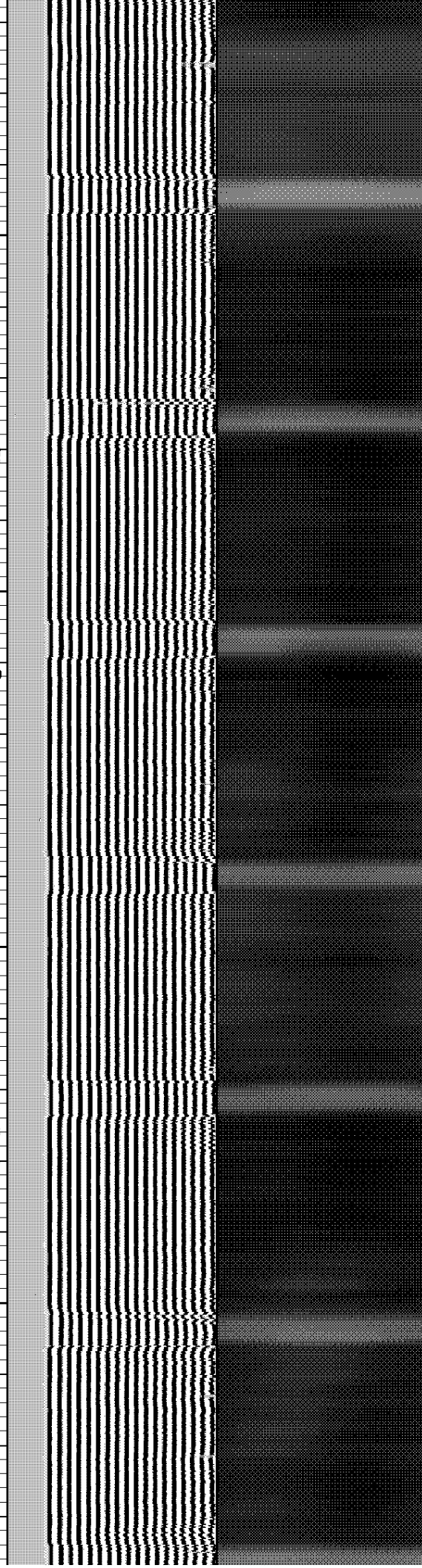
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169.365

170.824

172.087

173.541





3950

4000

4050

4100

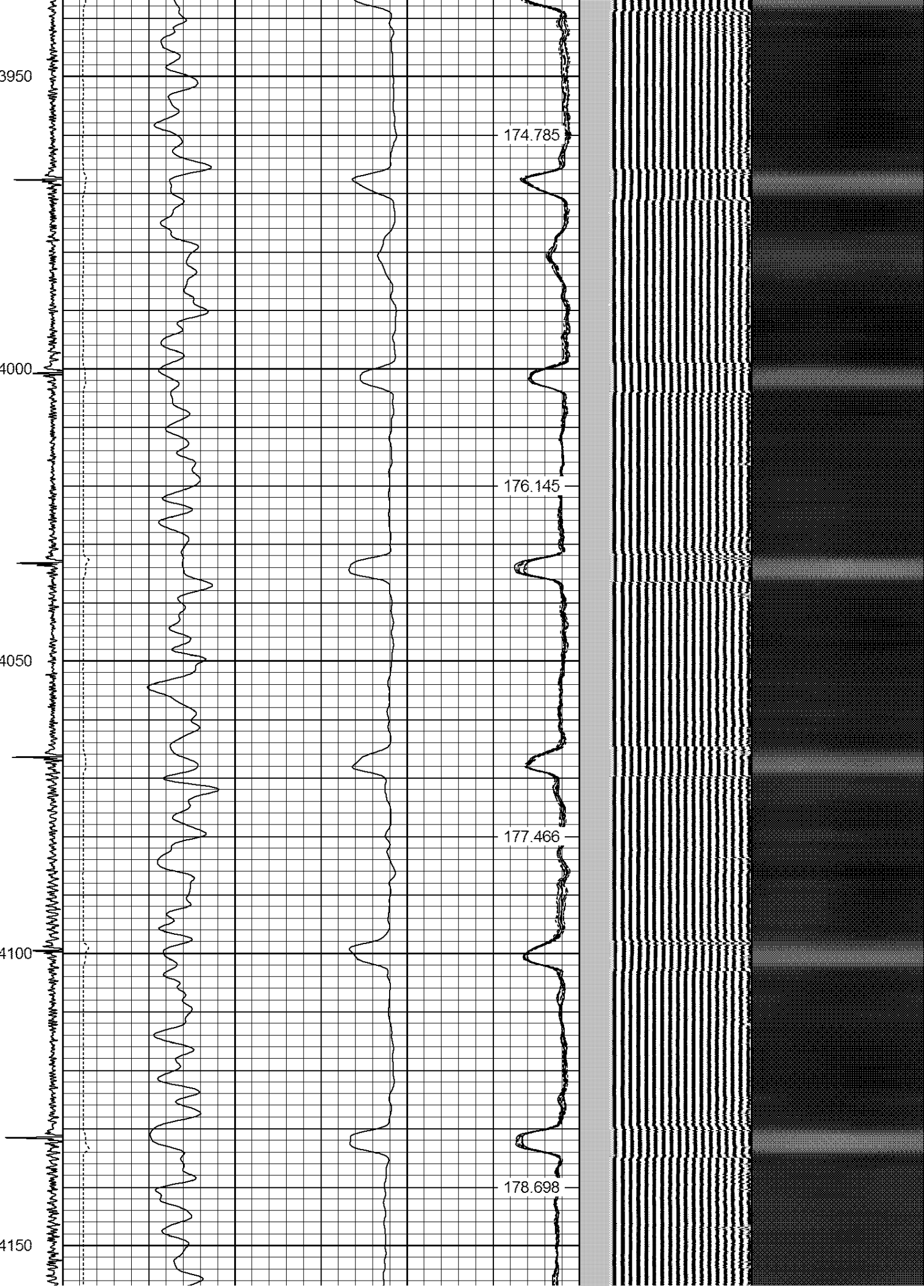
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174.785

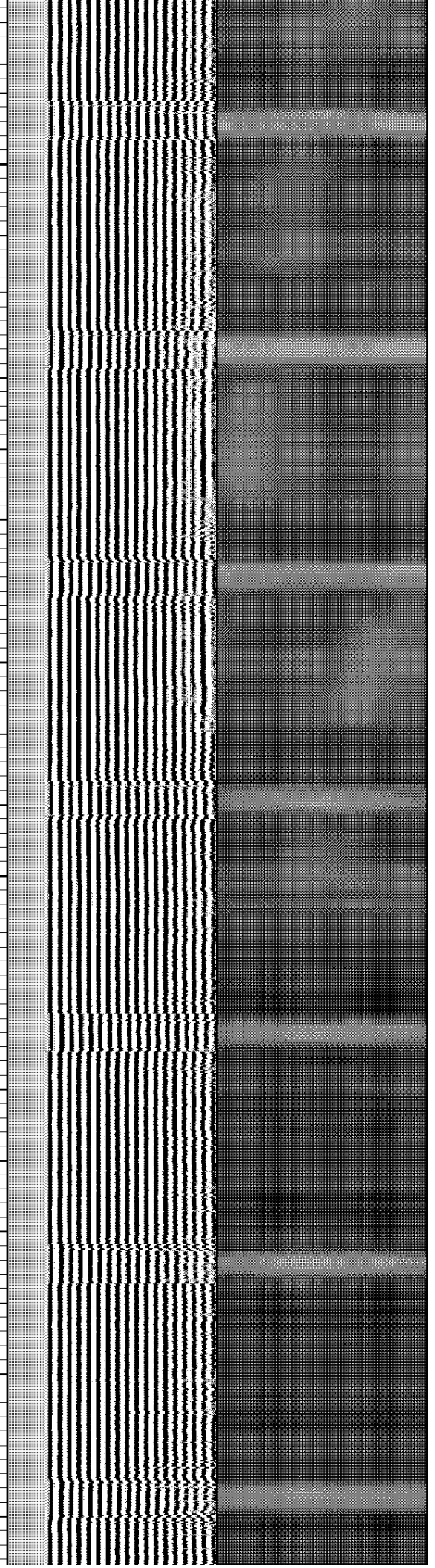
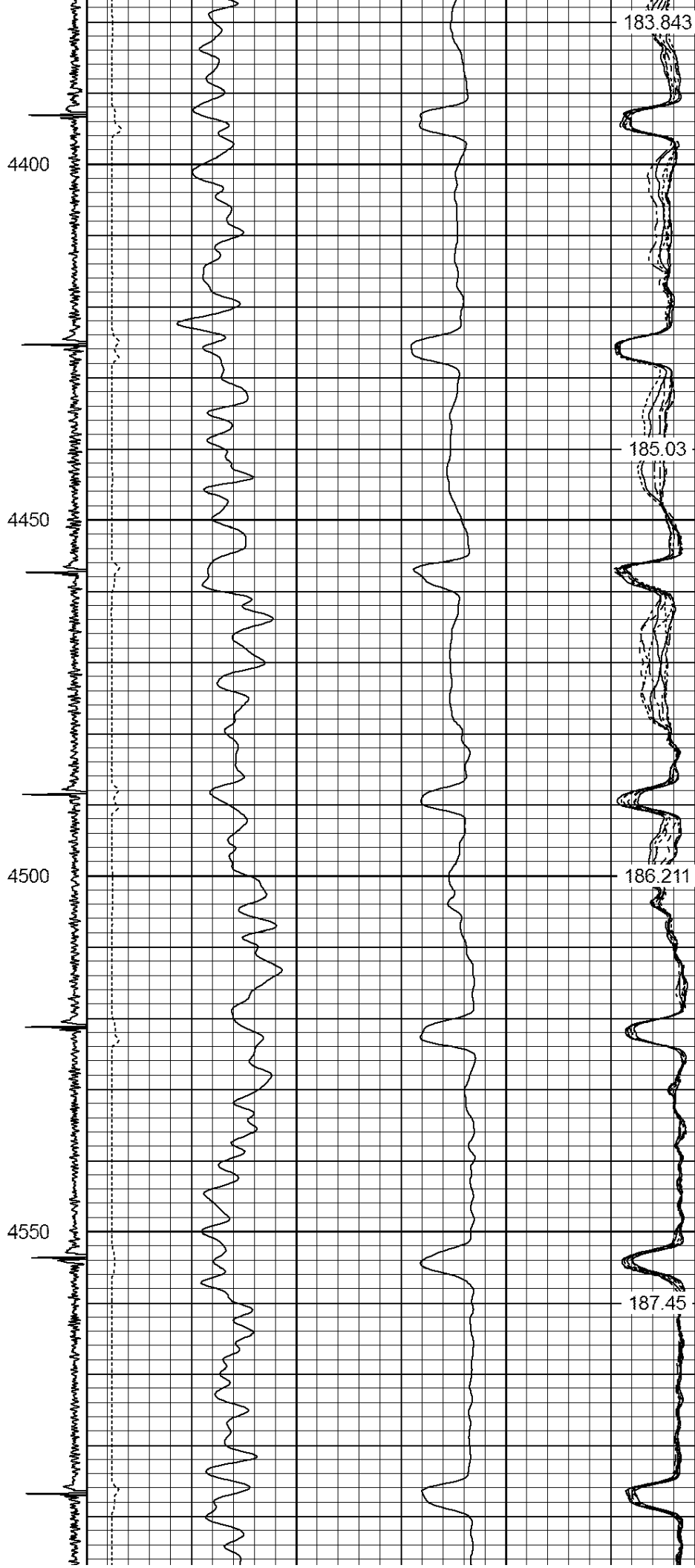
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177.466

178.698







4600

4650

4700

4750

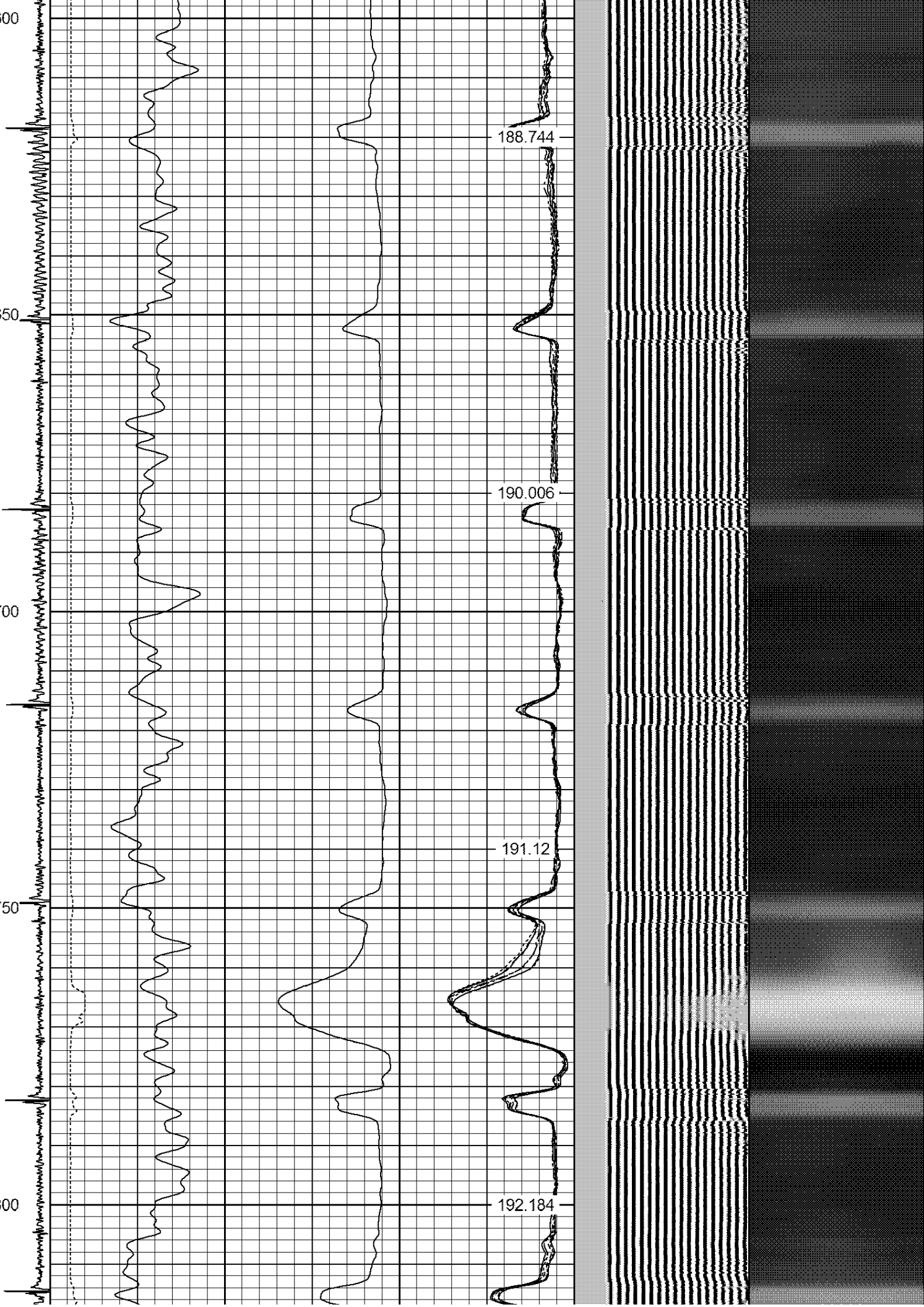
4800

188.744

190.006

191.12

192.184





4850

4900

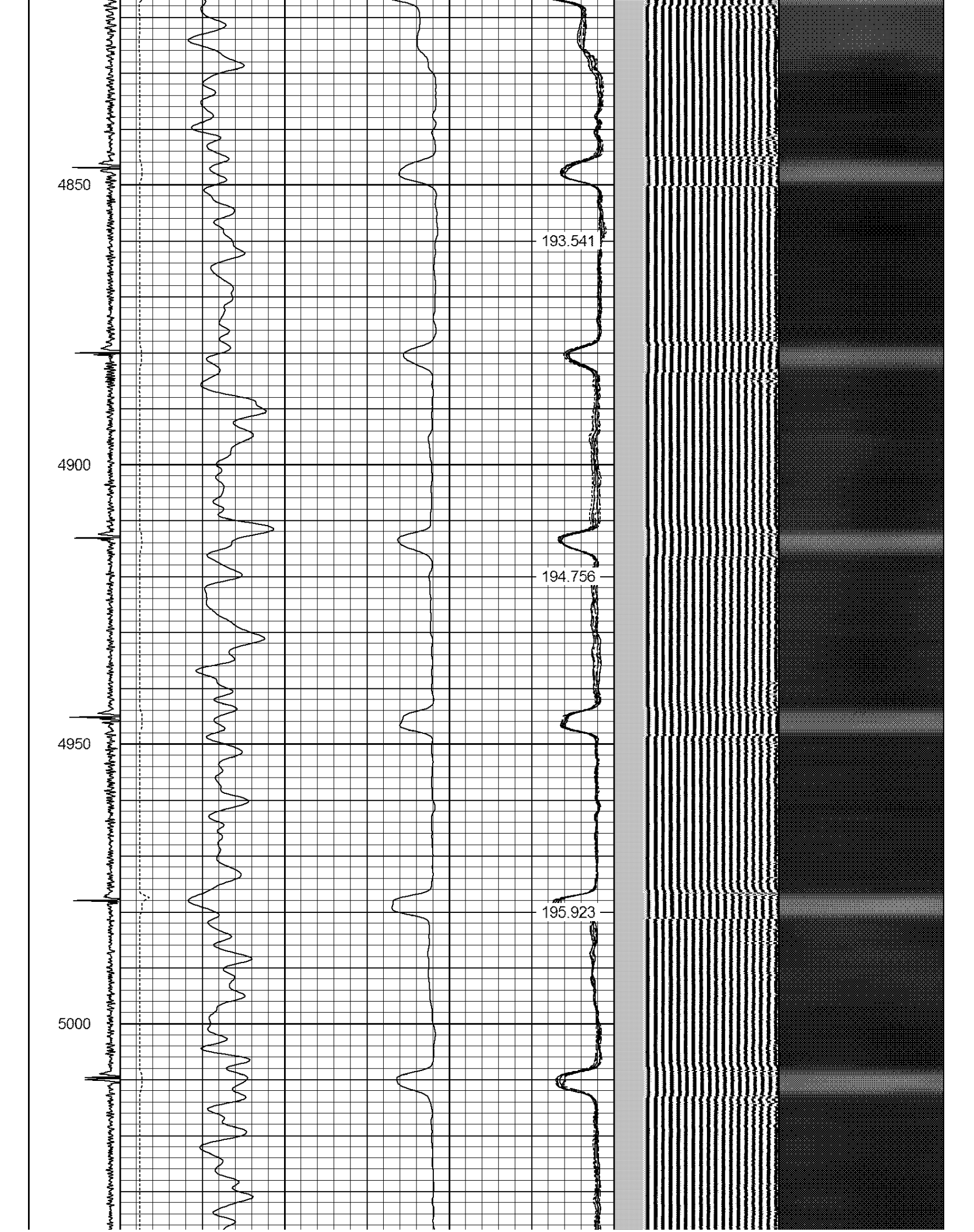
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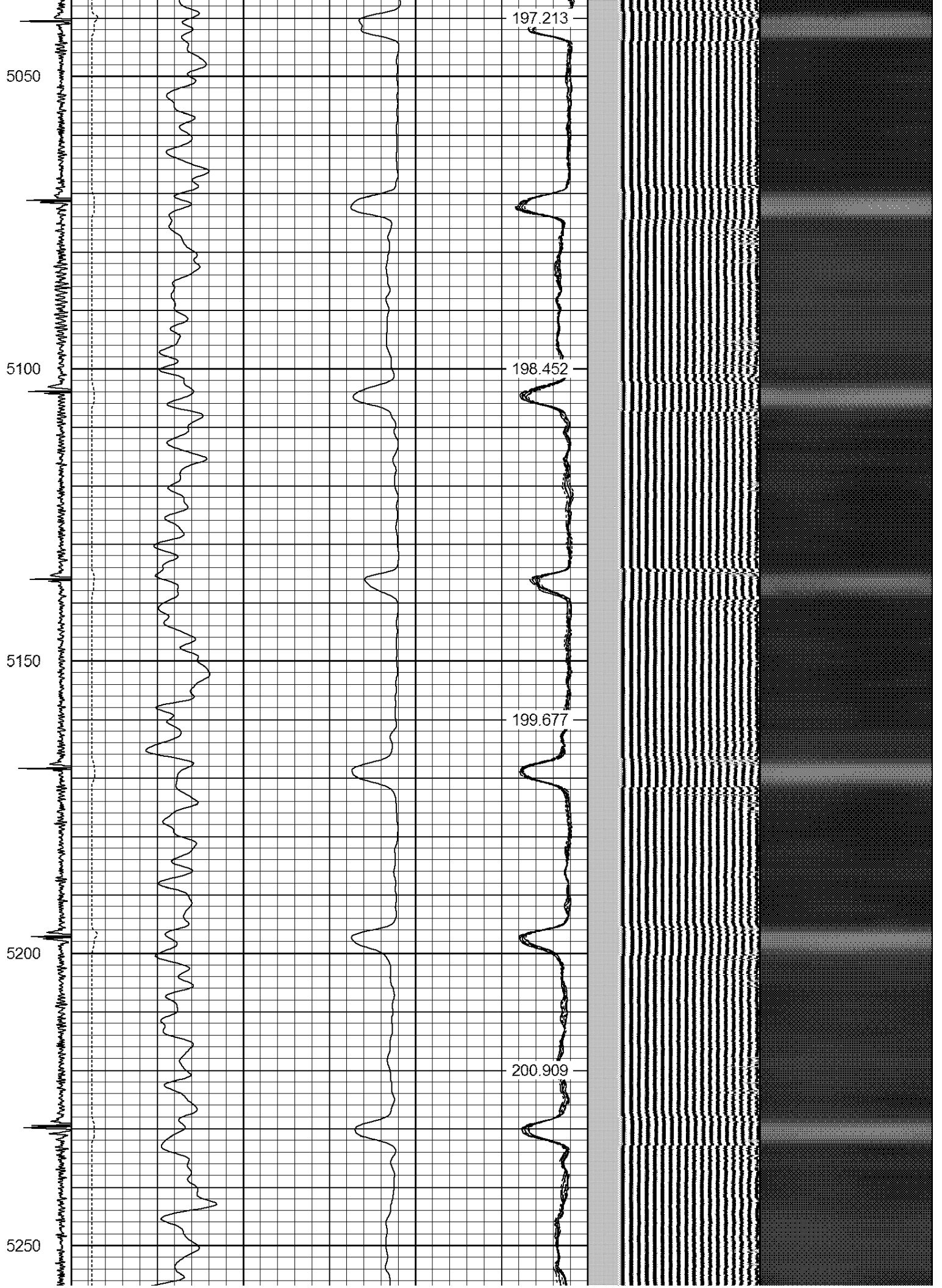
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193.541

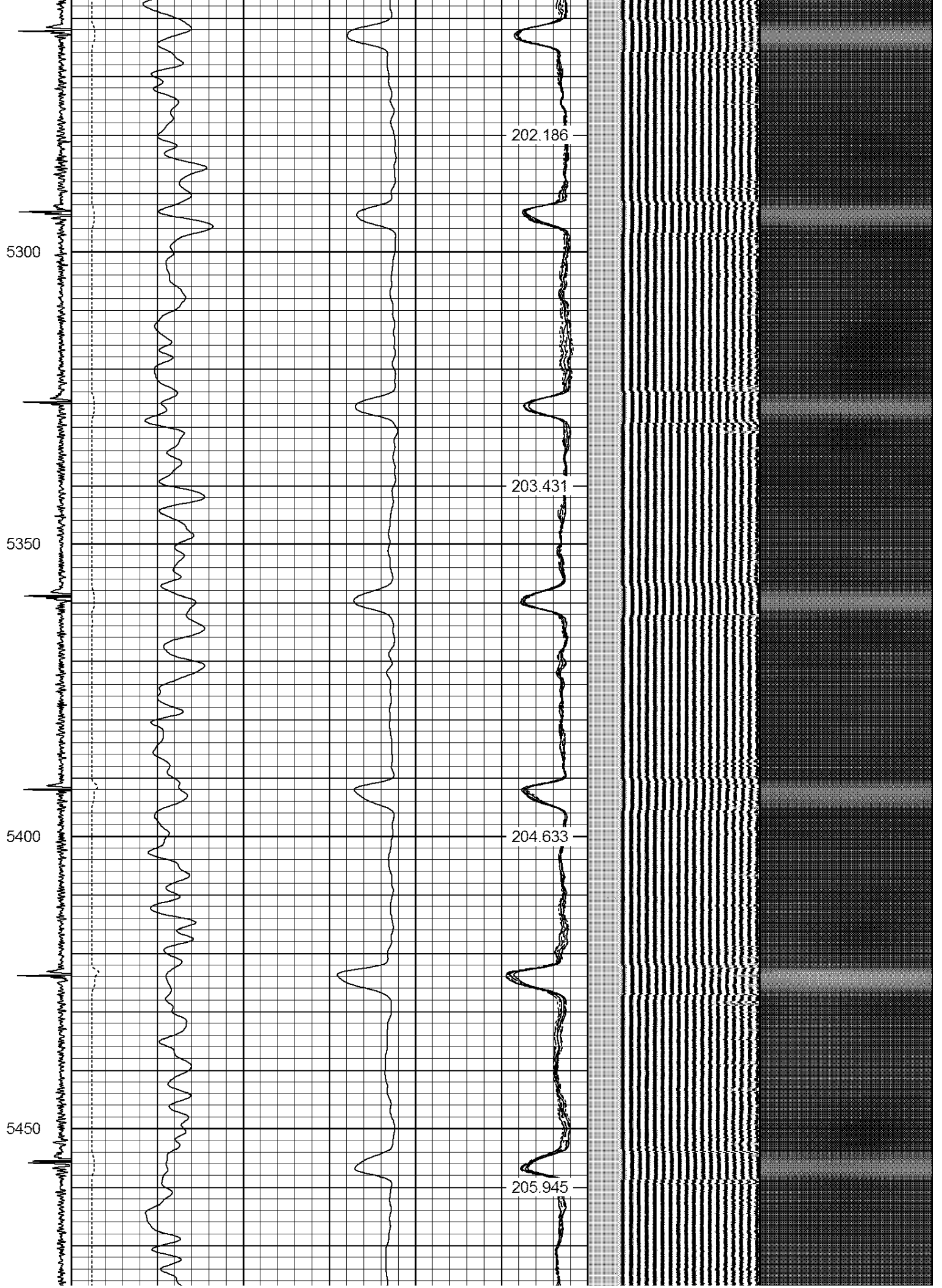
194.756

195.923











5700

5750

5800

5850

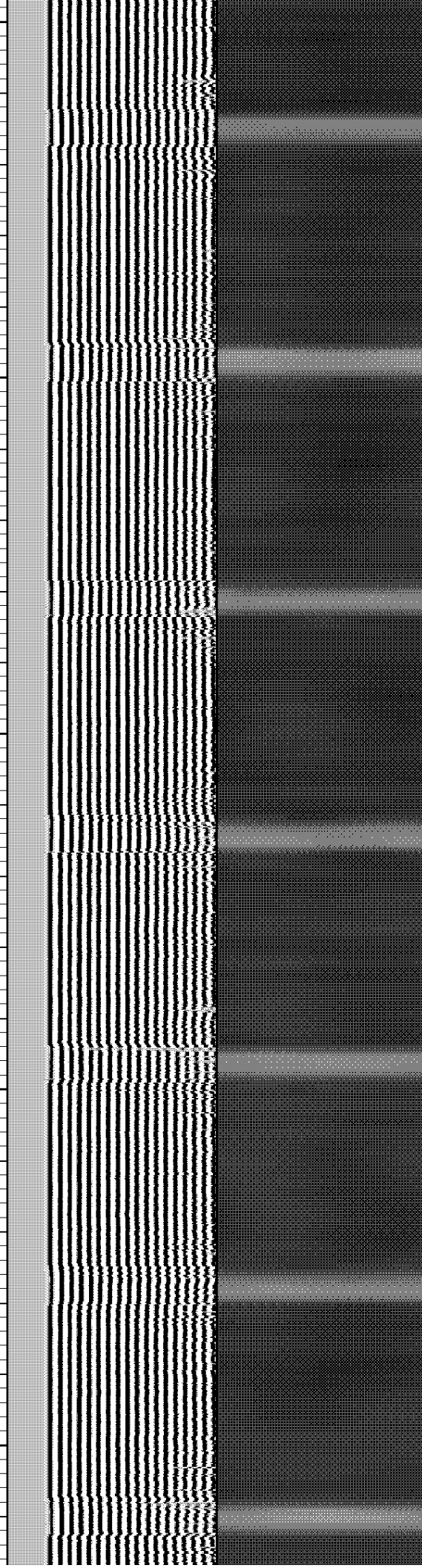
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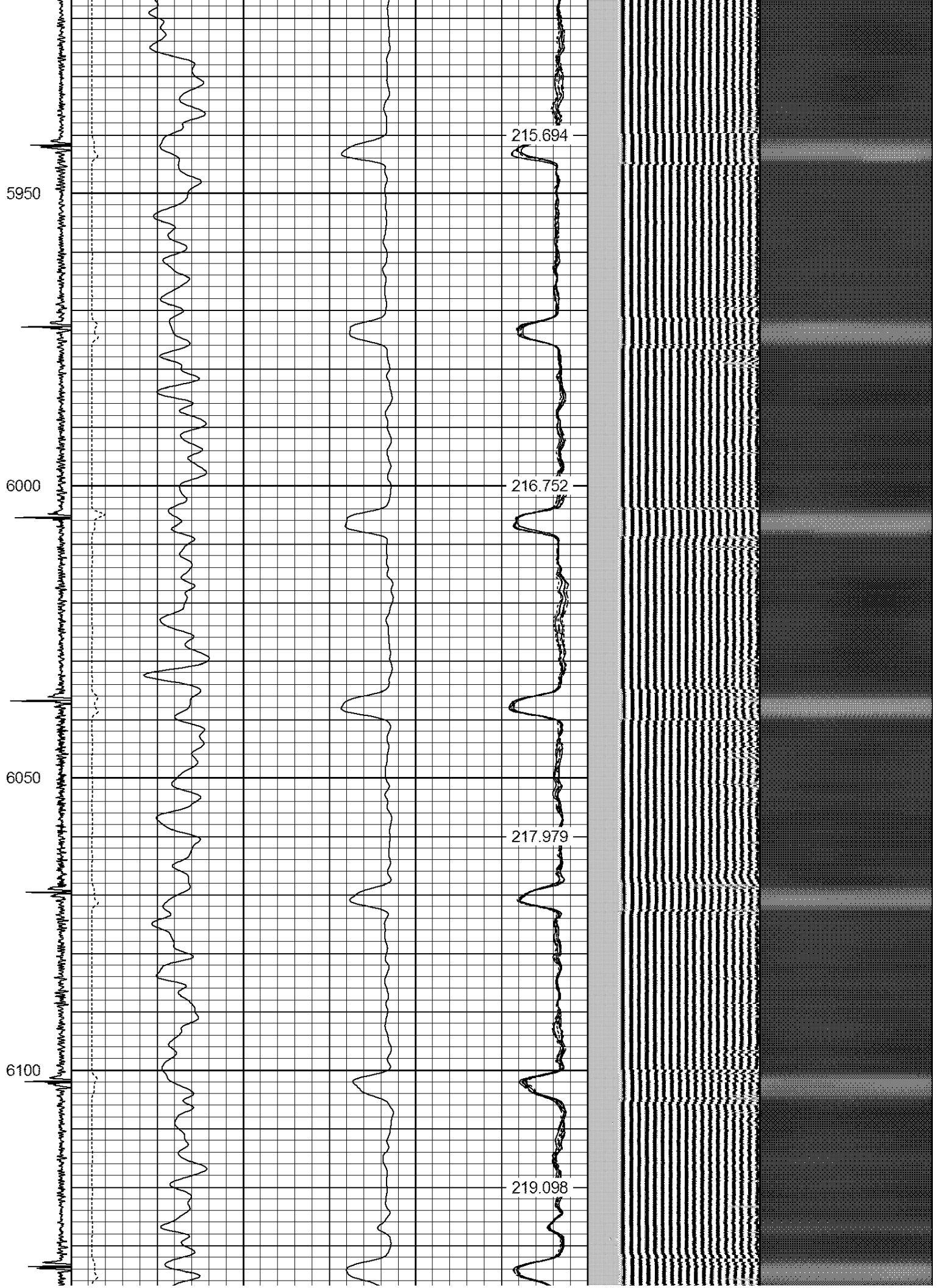
210.765

212.086

213.313

214.494







6150

6200

6250

6300

6350

220.266

221.356

222.407



6400

6450

6500

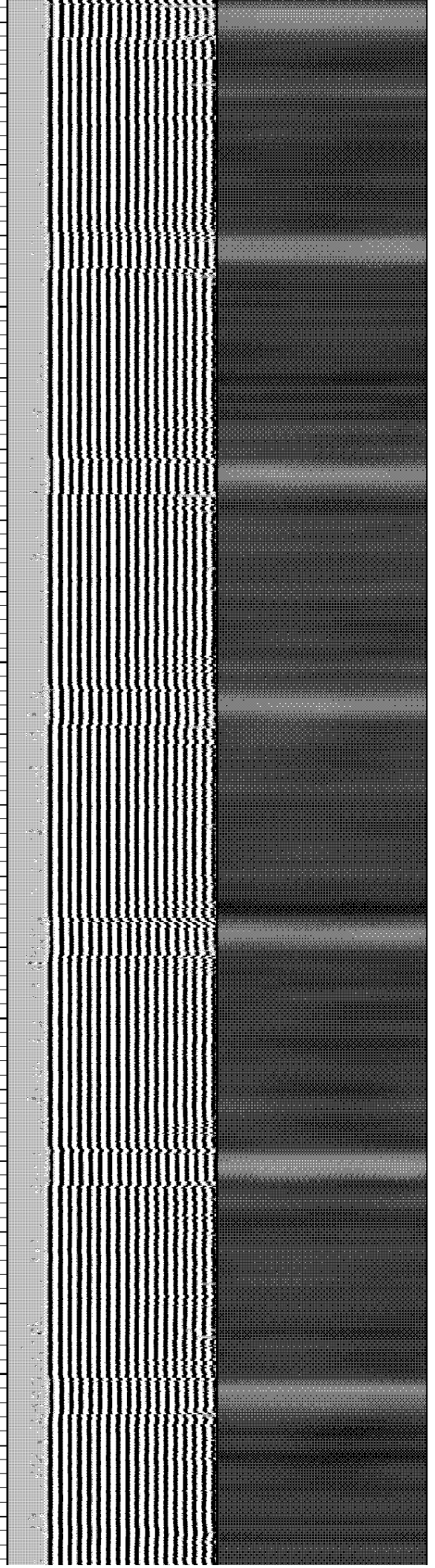
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223.33

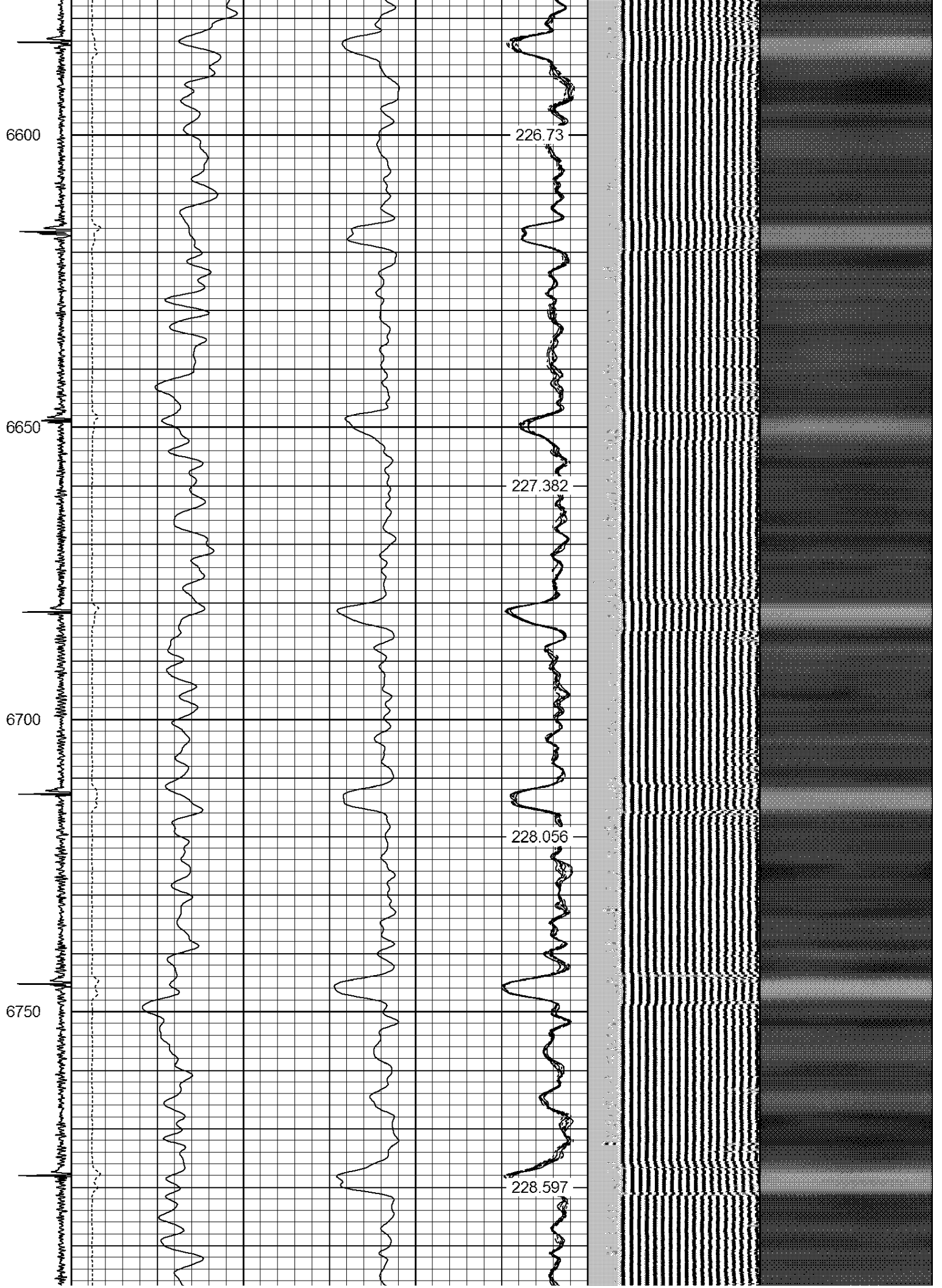
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225.213

226.016







6800

6850

6900

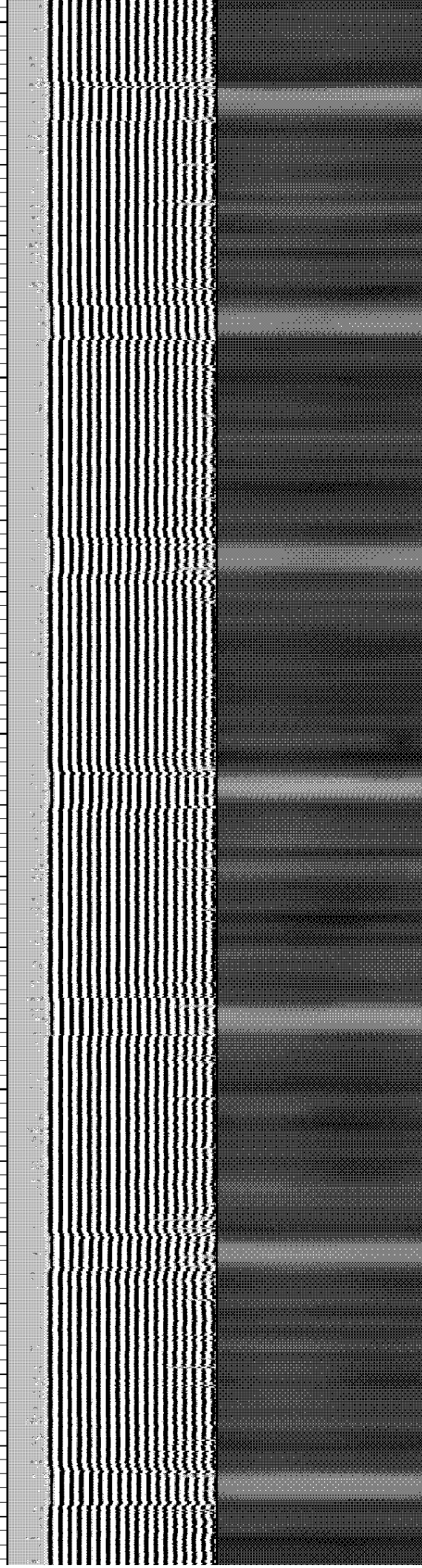
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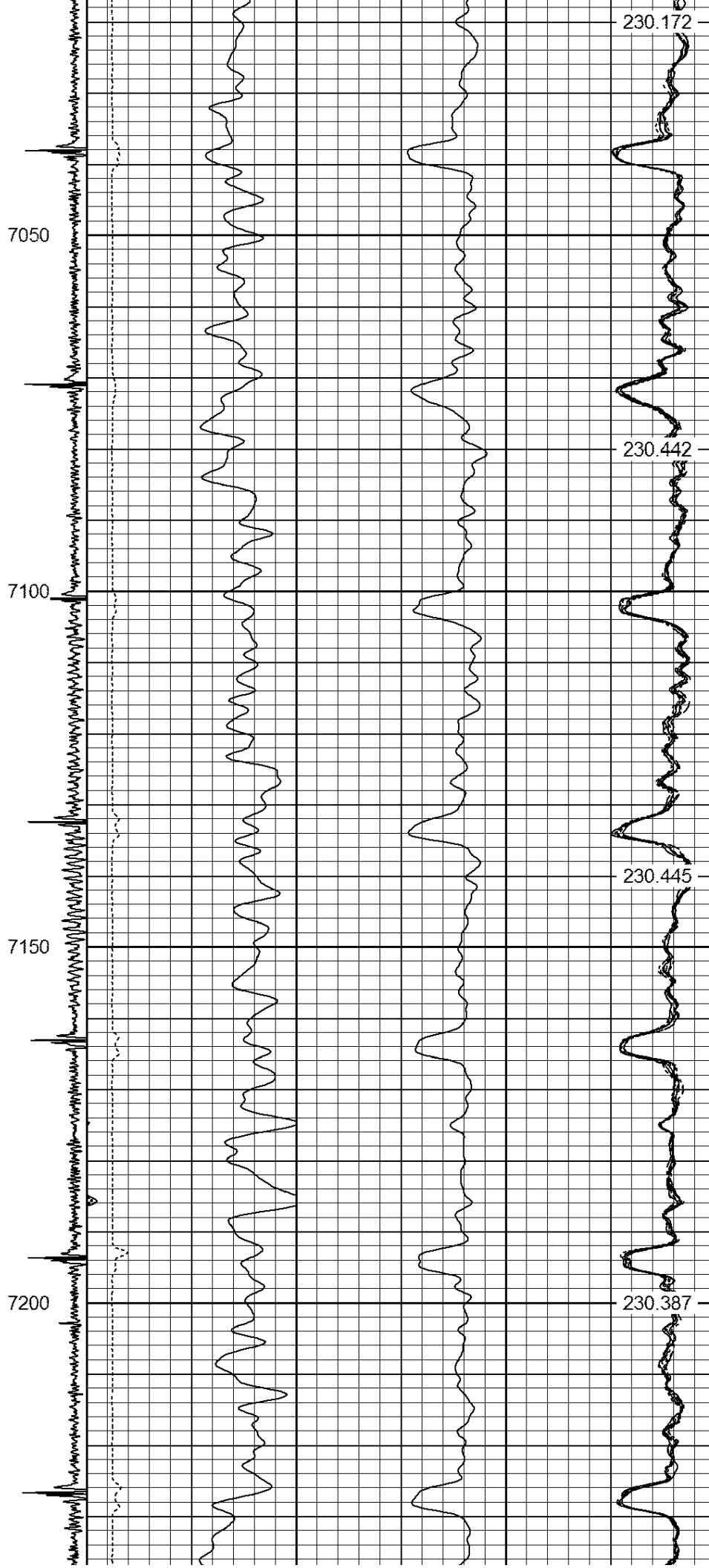
7000

229.079

229.48

229.931





7250

7300

7350

7400

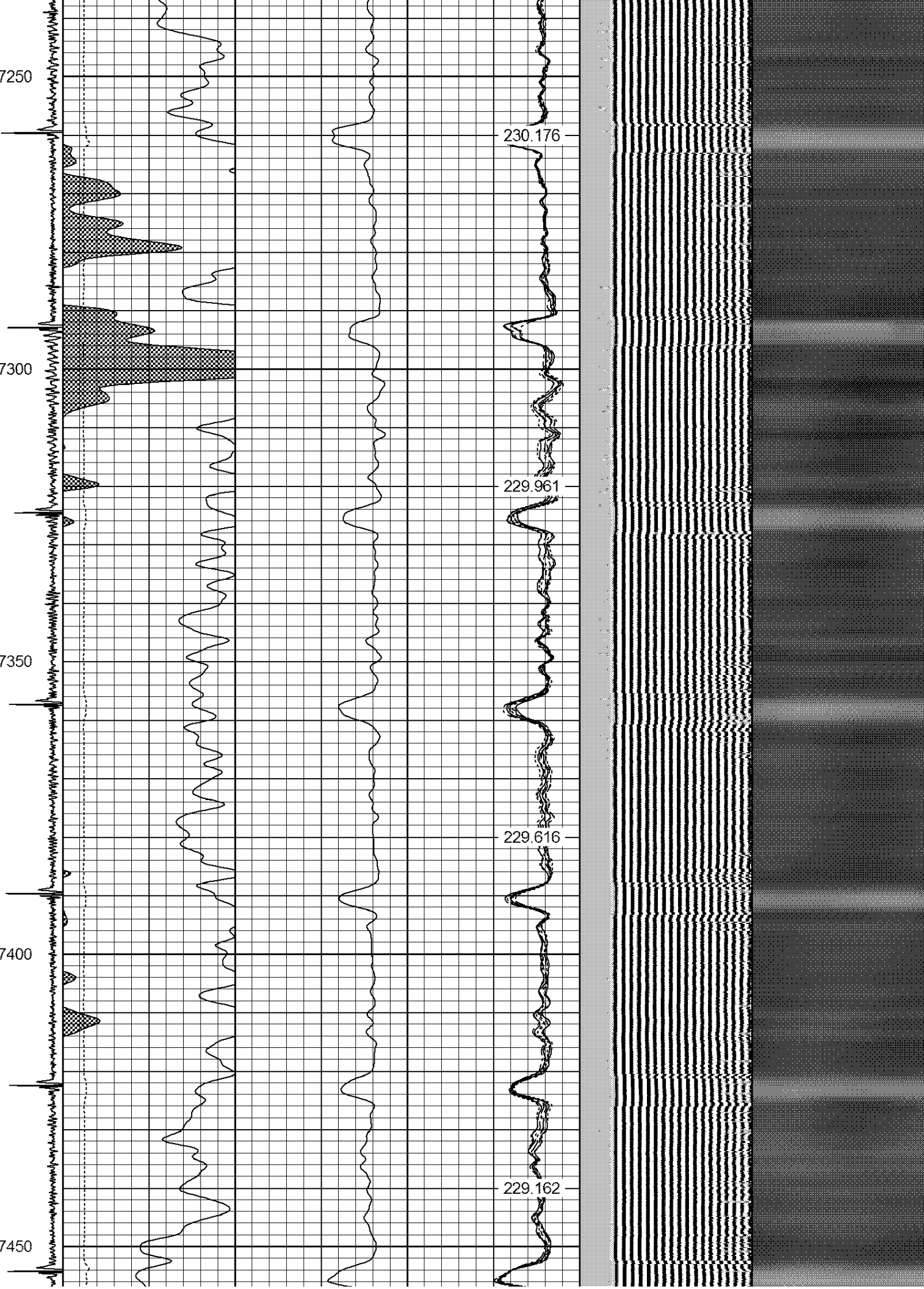
7450

230.176

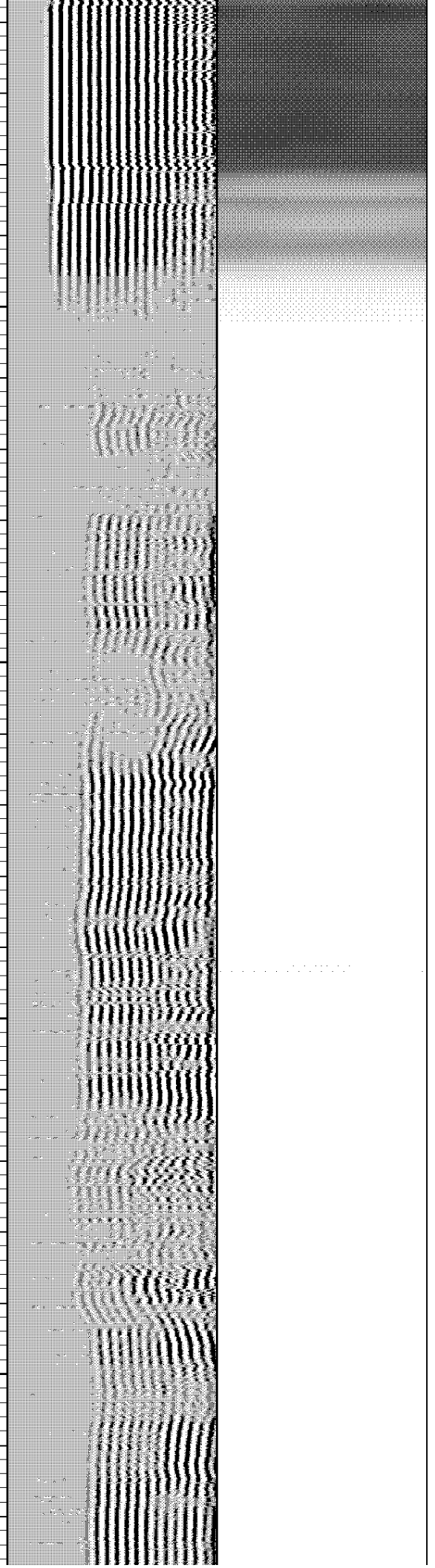
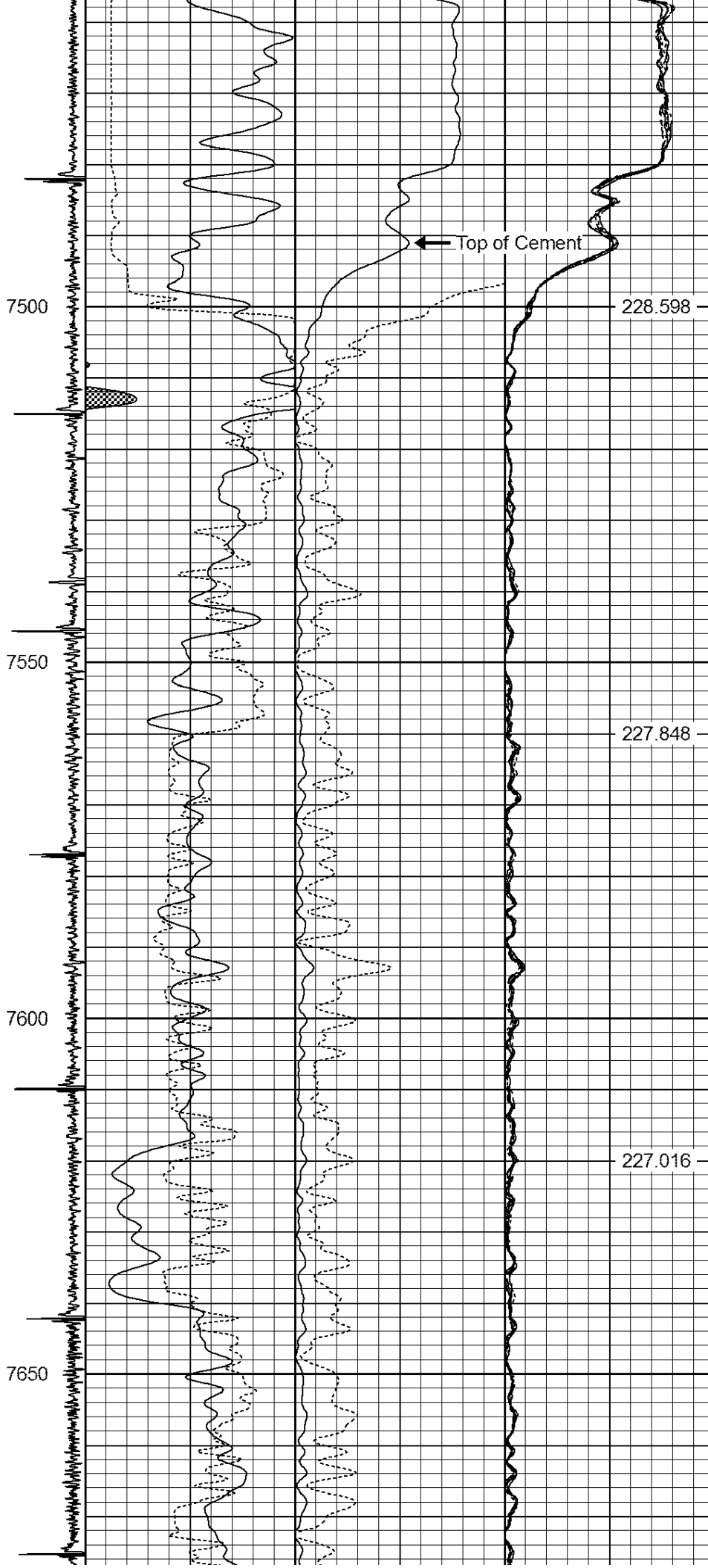
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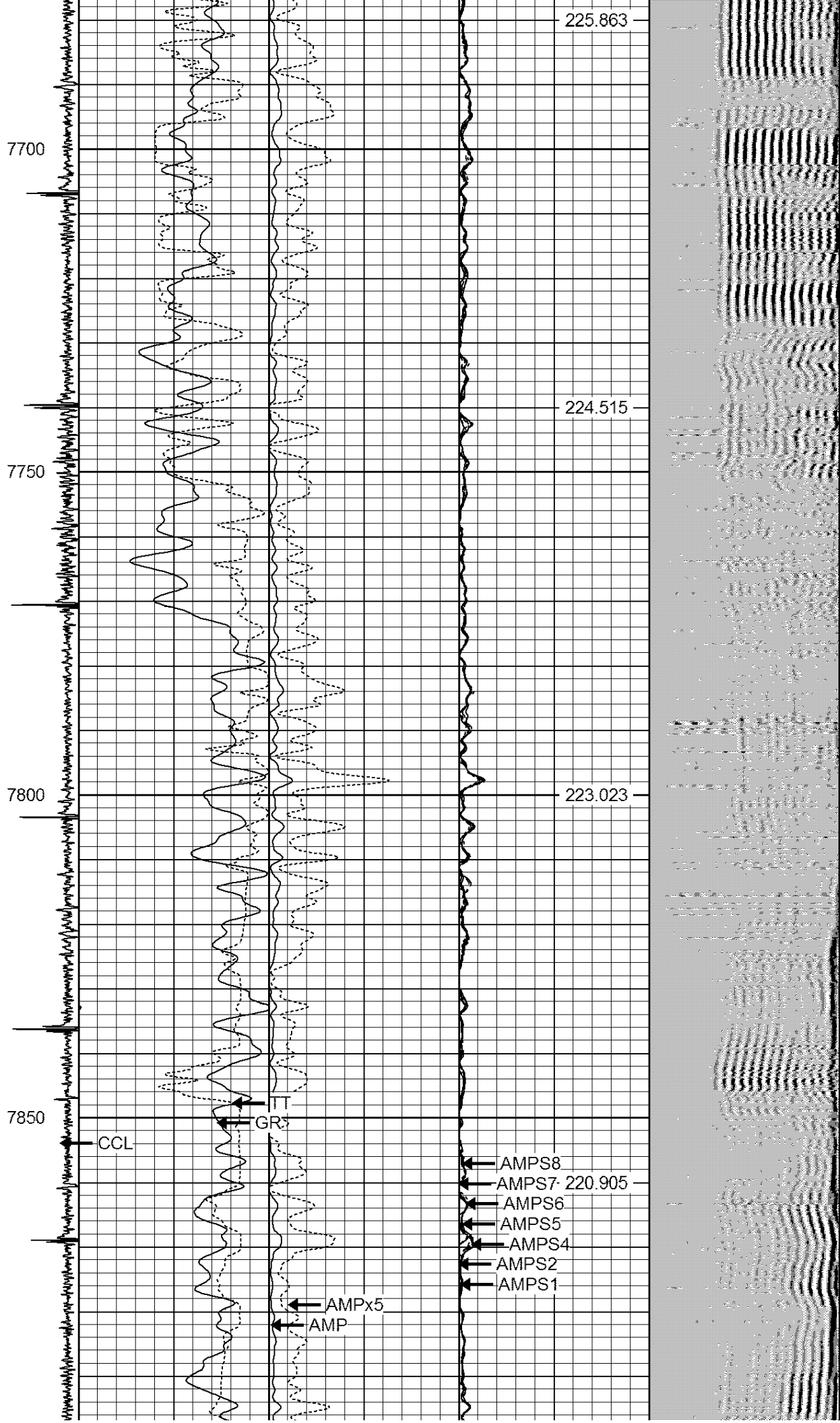
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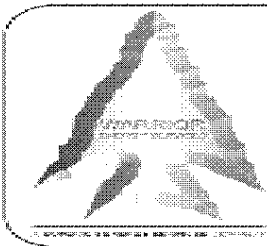
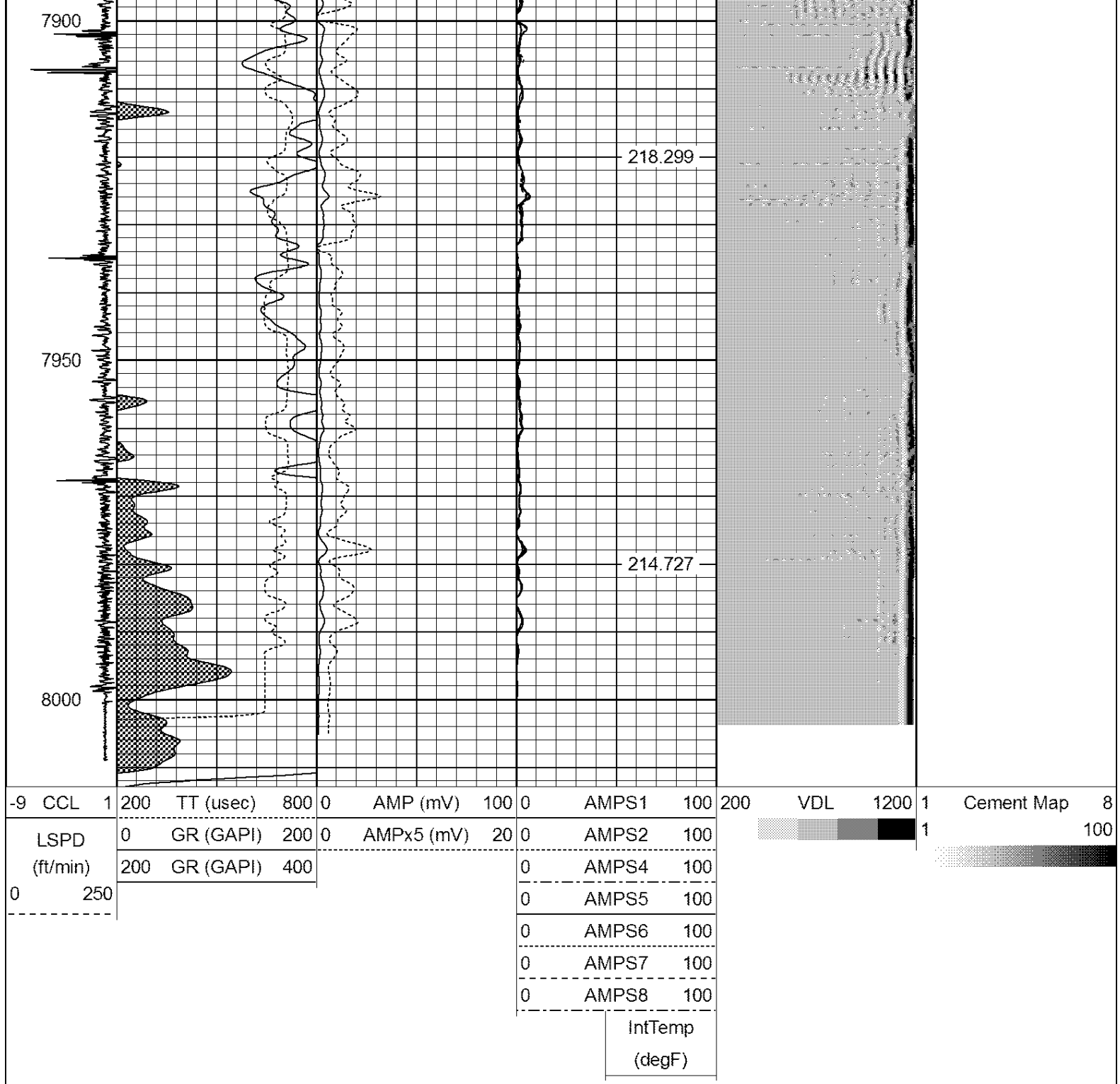
229.162











**WARRIOR**  
ENERGY SERVICES

Company Kerr McGee Oil and Gas

Well SEBOLD DOROTHY UNIT #1

Field WATTENBERG

County WELD

State CO