

**RADIAL CEMENT BOND
GAMMA RAY
CCL**

Company: KERR MCGEE OIL AND GAS
 Well: HOUSTON 17-8L
 Field: WATTENBERG
 County: WELD
 State: CO

Location: 139' FNL 805' FEL
 LAT: 40.22720 LONG: -104.90750
 API #: 05-123-17565
 SEC 17 TWP 3N RGE 67W
 Permanent Datum: GL
 Log Measured From: KB 14'
 Drilling Measured From: KB
 Elevation: 4791
 Other Services: K.B. 4805, D.F. 4804, G.L. 4791

Date: 06-04-2014
 Run Number: ONE
 Depth Driller: 7716
 Depth Logger: 8054
 Bottom Logged Interval: 6800
 Top Log Interval: SURFACE
 Open Hole Size: 7.875
 Type Fluid: WATER
 Density / Viscosity: 1.0
 Max. Recorded Temp.: 199
 Estimated Cement Top: 3978
 Time Well Ready: N/A
 Time Logger on Bottom: N/A
 Equipment Number: 4310
 Location: GREELEY
 Recorded By: J.J. BULLARD
 Witnessed By: R. THOMPSON

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12.25	O	514				
TWO	8.875	514	7716				

Casing Record		Surface String		Production String	
String	Size	Wgt/Ft	Top	Bottom	
Surface String	7	17#	SURFACE	514	
Production String	3.5	7.7#	SURFACE	7328	
Liner	2.375	2.06	6702	7716	

>>> 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 LOG TO VERIFY CEMENT
 THANK YOU FOR USING WARRIOR !!!!!!!

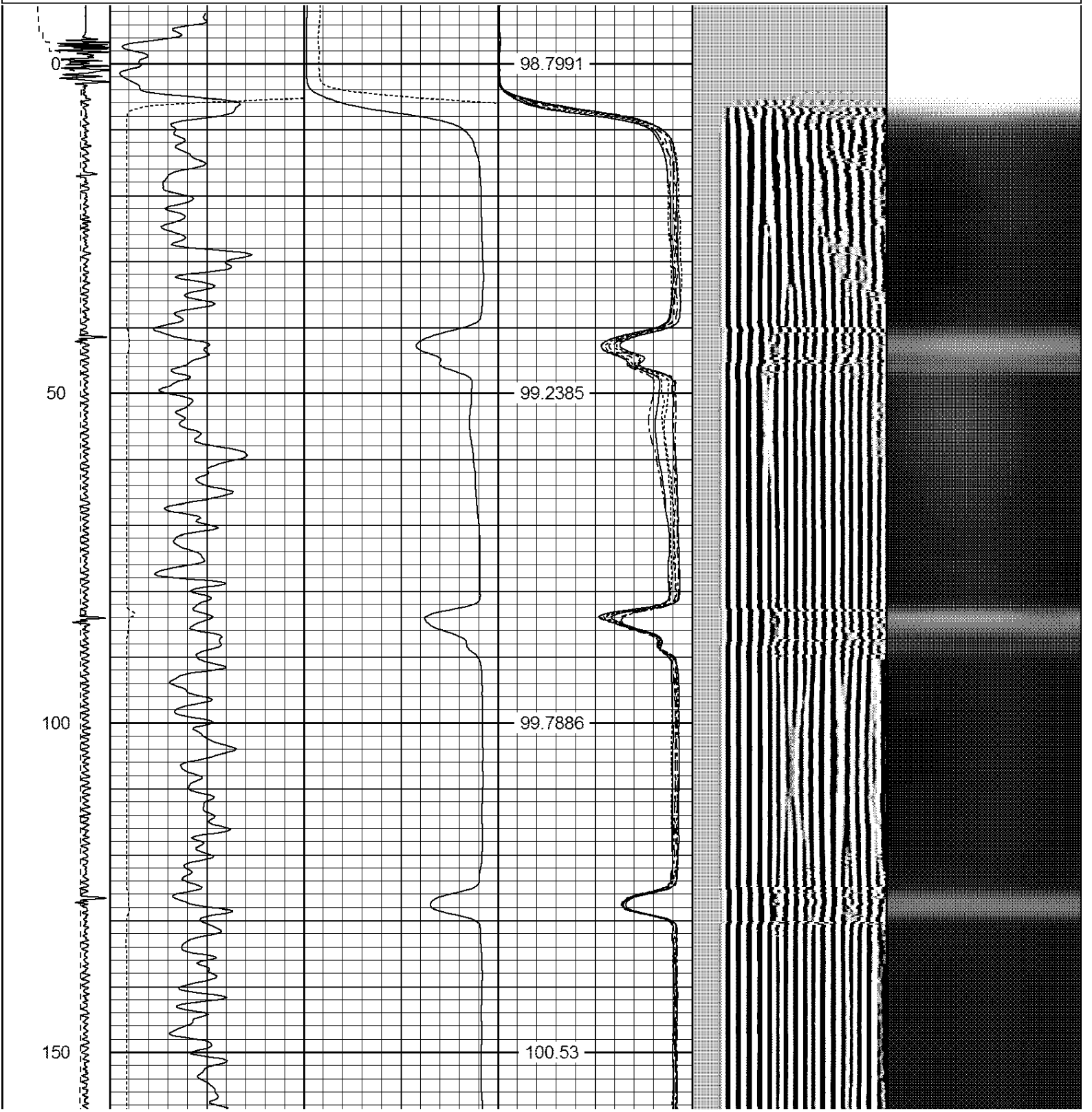
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

			PTS275	2.83	2.75	
HEADVOLT	13.25					
IntTemp	11.83					
WVF3FT	8.58					
WVFCAL	8.58					
WVFS1	8.58					
WVFS2	8.58					
WVFS3	8.58					
WVFS4	8.58					
WVFS5	8.58					
WVFS6	8.58					
WVFS7	8.58					
WVFS8	8.58					
WVF5FT	7.58					
			RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
CCL	3.64					
			GR-Probe (275) Probe 2.75"	4.33	2.75	30.00
GR	0.90					

Dataset: houston 17-8l.db: field/well/run1/pass2
 Total Length: 16.08 ft
 Total Weight: 120.00 lb
 O.D. 2.75 in

Database File: houston 17-8l.db
 Dataset Pathname: pass2
 Presentation Format: ips_rbt

-14 CCL	4	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)							



200

250

300

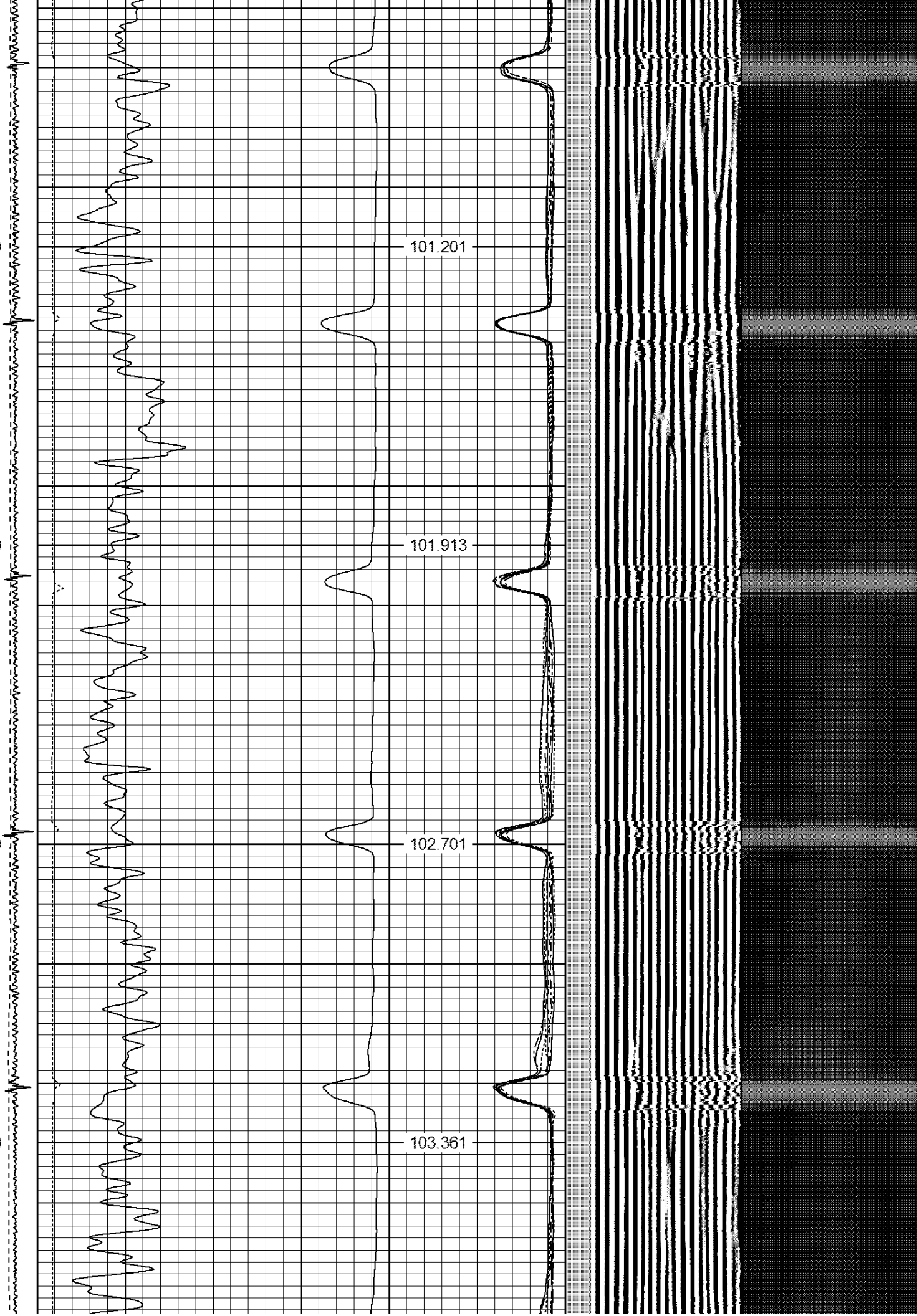
350

101.201

101.913

102.701

103.361



400

104.15

450

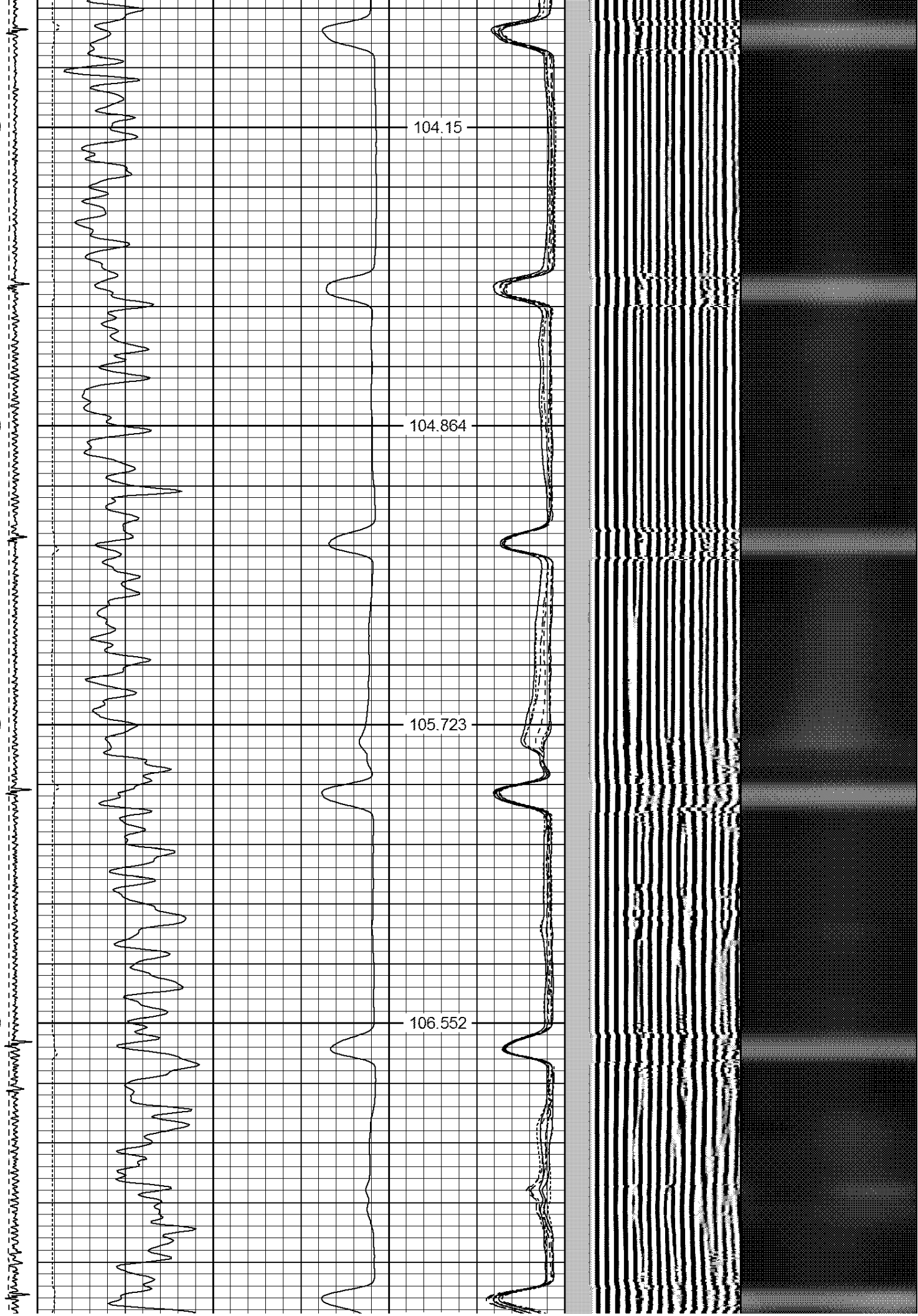
104.864

500

105.723

550

106.552



600

650

700

750

800

107.453

108.379

109.195

110.163

111.065



850

900

950

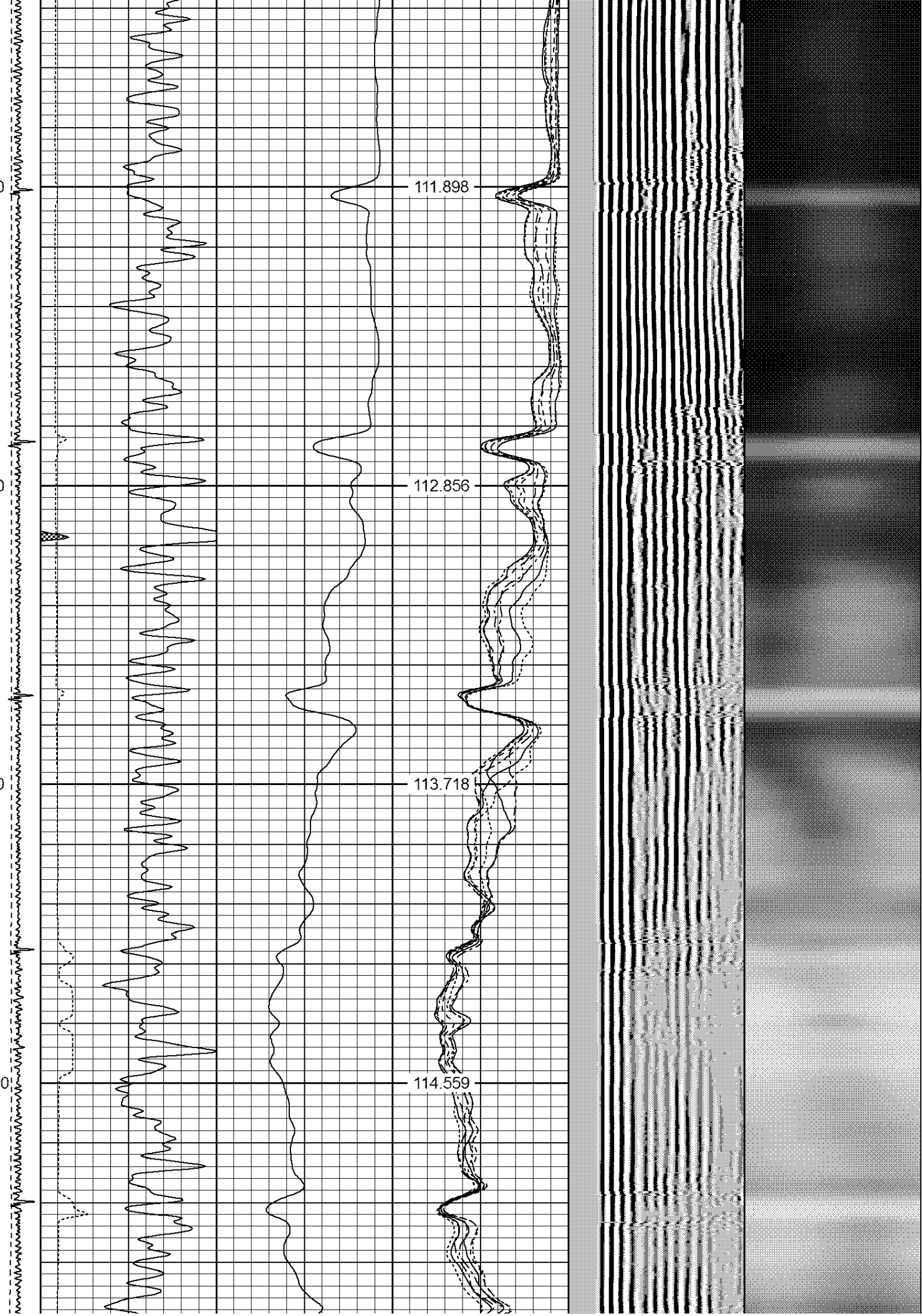
1000

111.898

112.856

113.718

114.559



1050

115.567

1100

116.532

1150

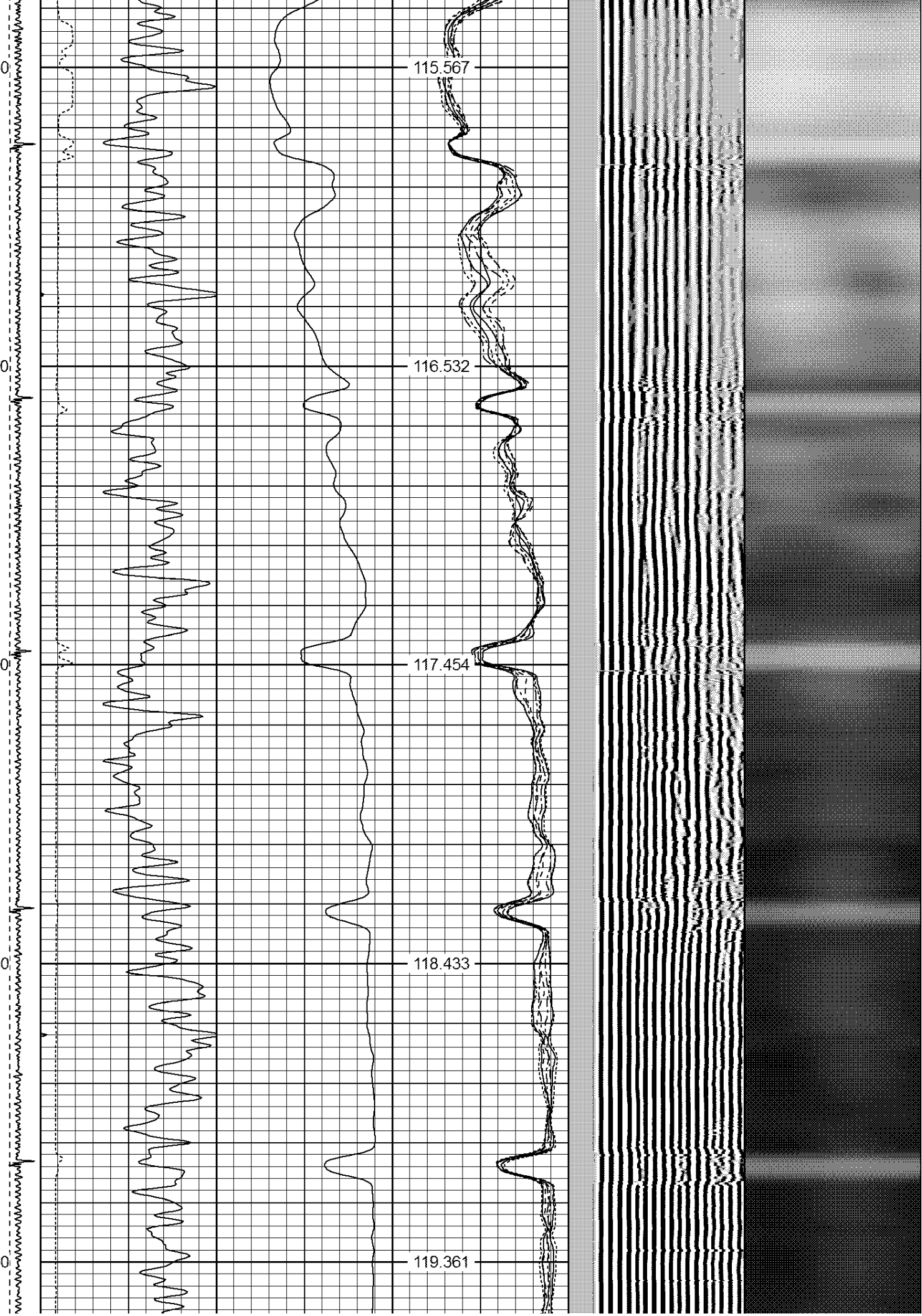
117.454

1200

118.433

1250

119.361



1300

120.313

1350

121.28

1400

122.147

1450

123.212



1500

124.311

1550

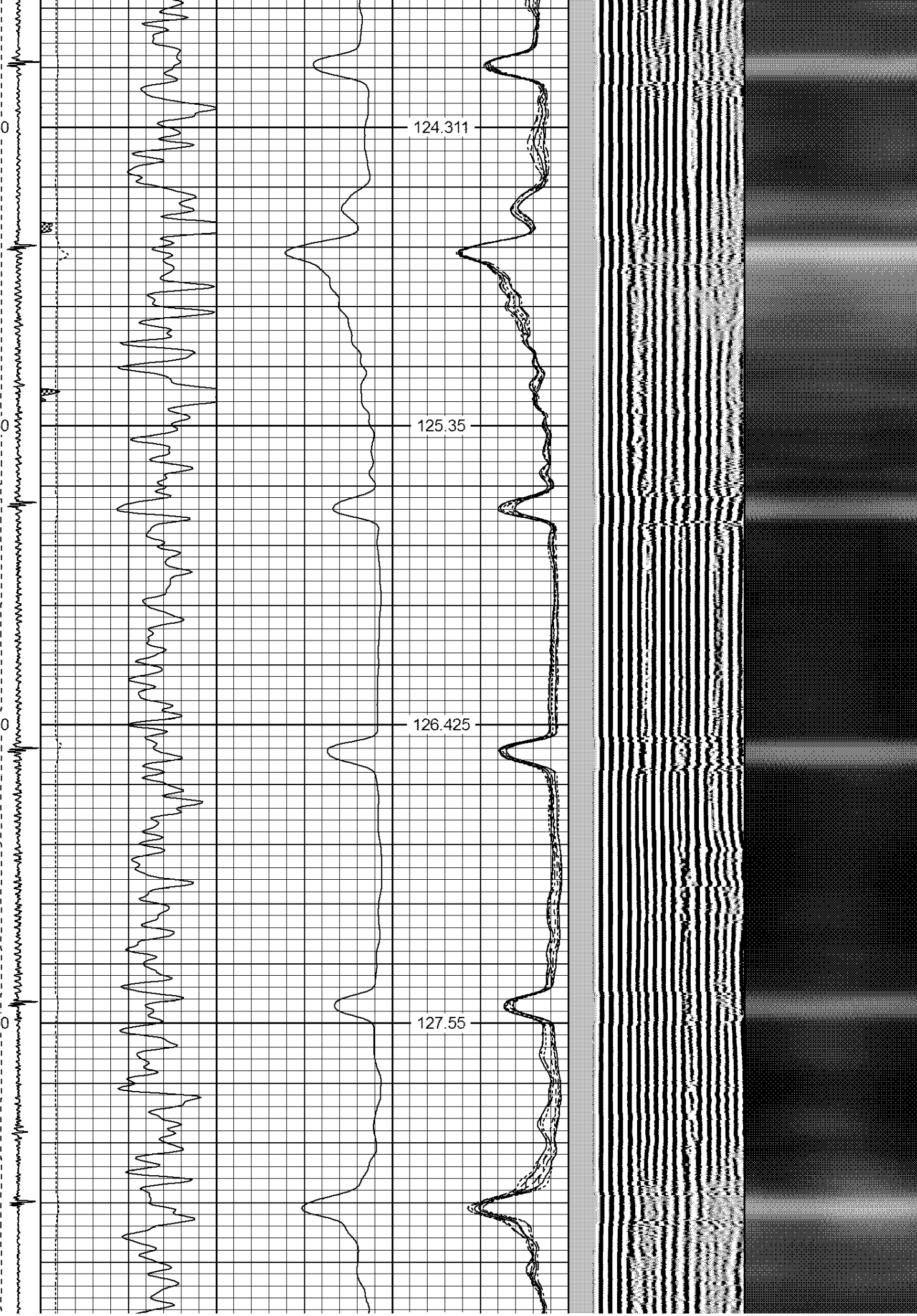
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1600

126.425

1650

127.55





1950

2000

2050

2100

134.021

135.12

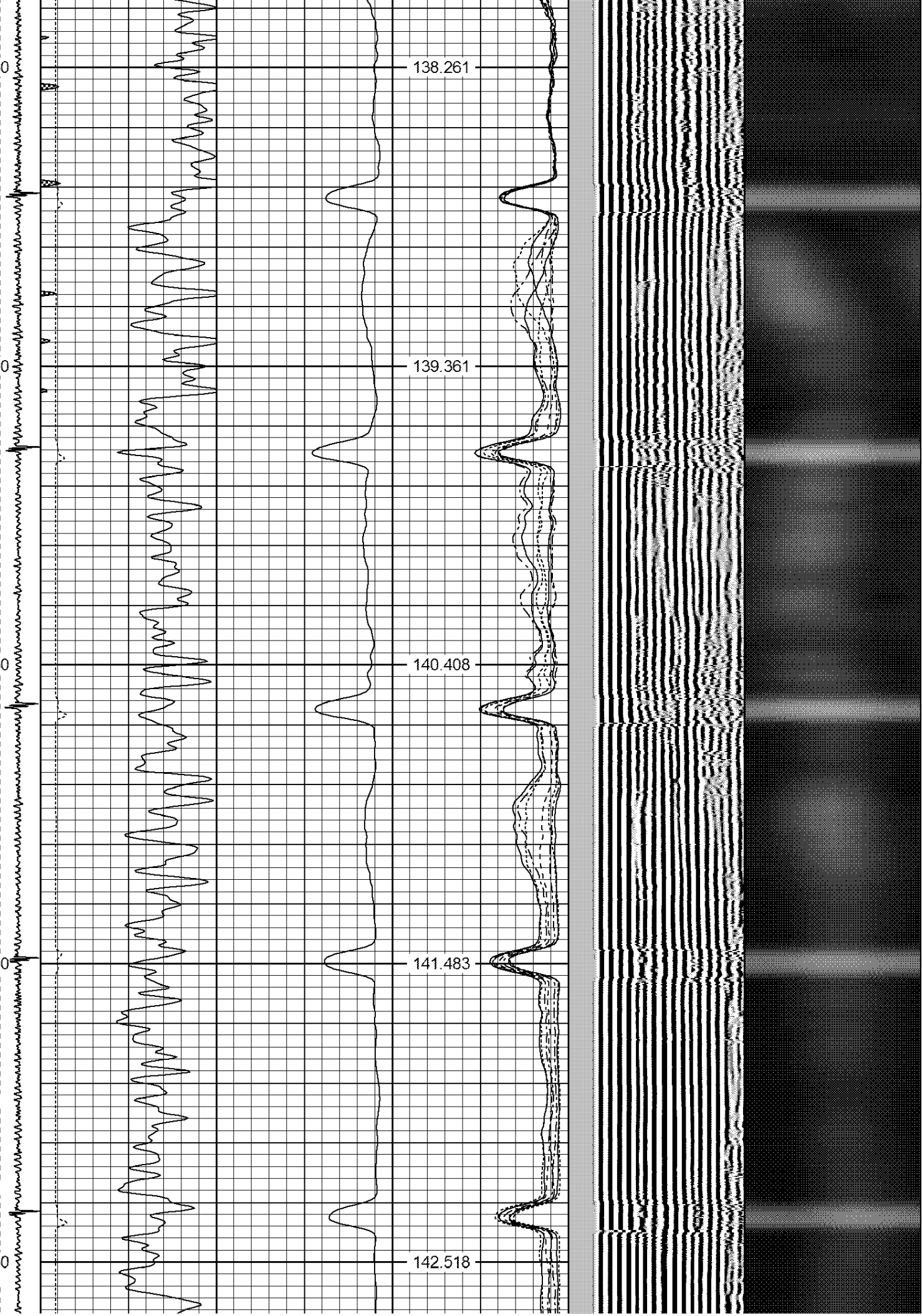
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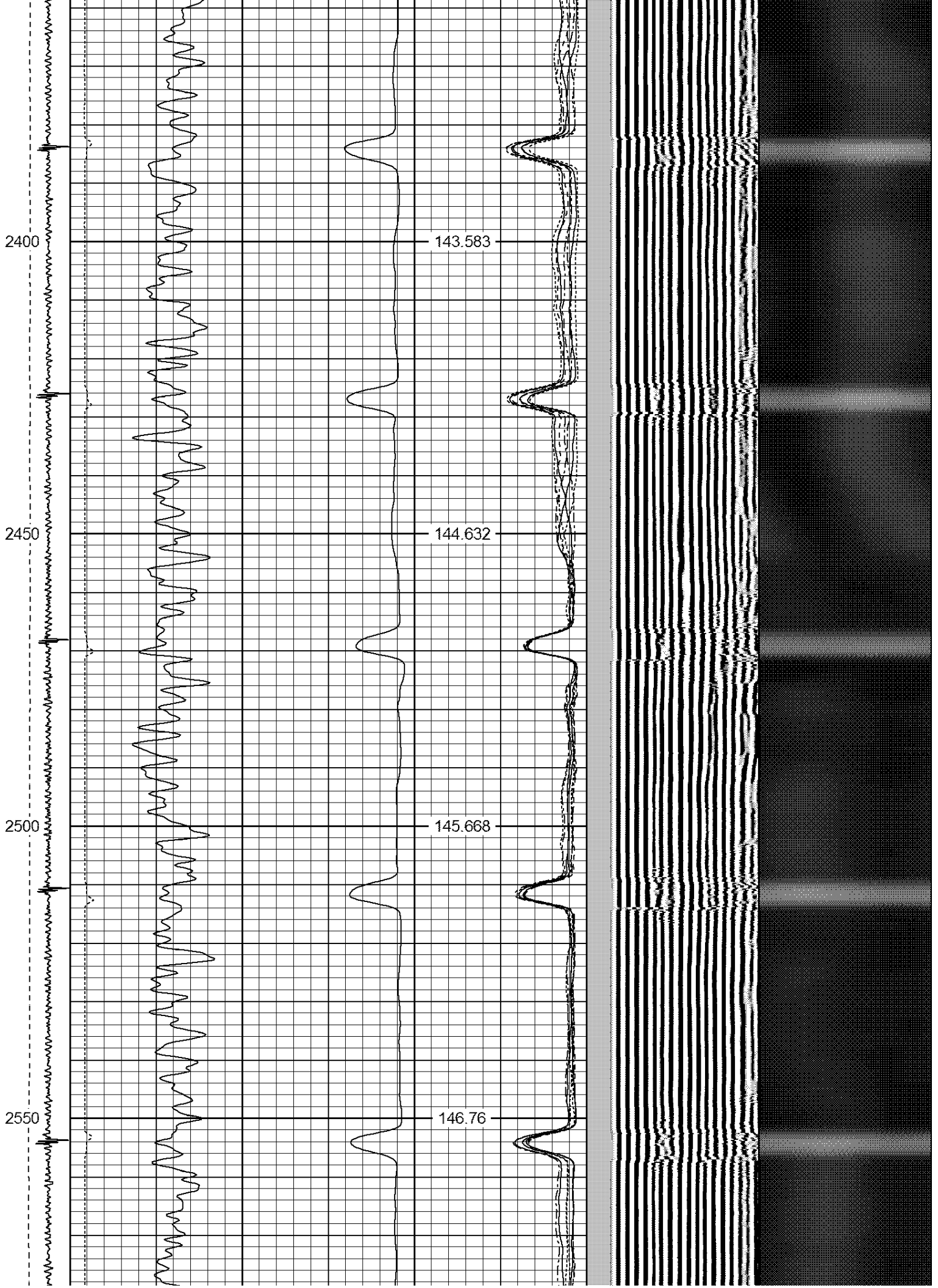
137.271



2150
2200
2250
2300
2350

138.261
139.361
140.408
141.483
142.518





2600

147.905

2650

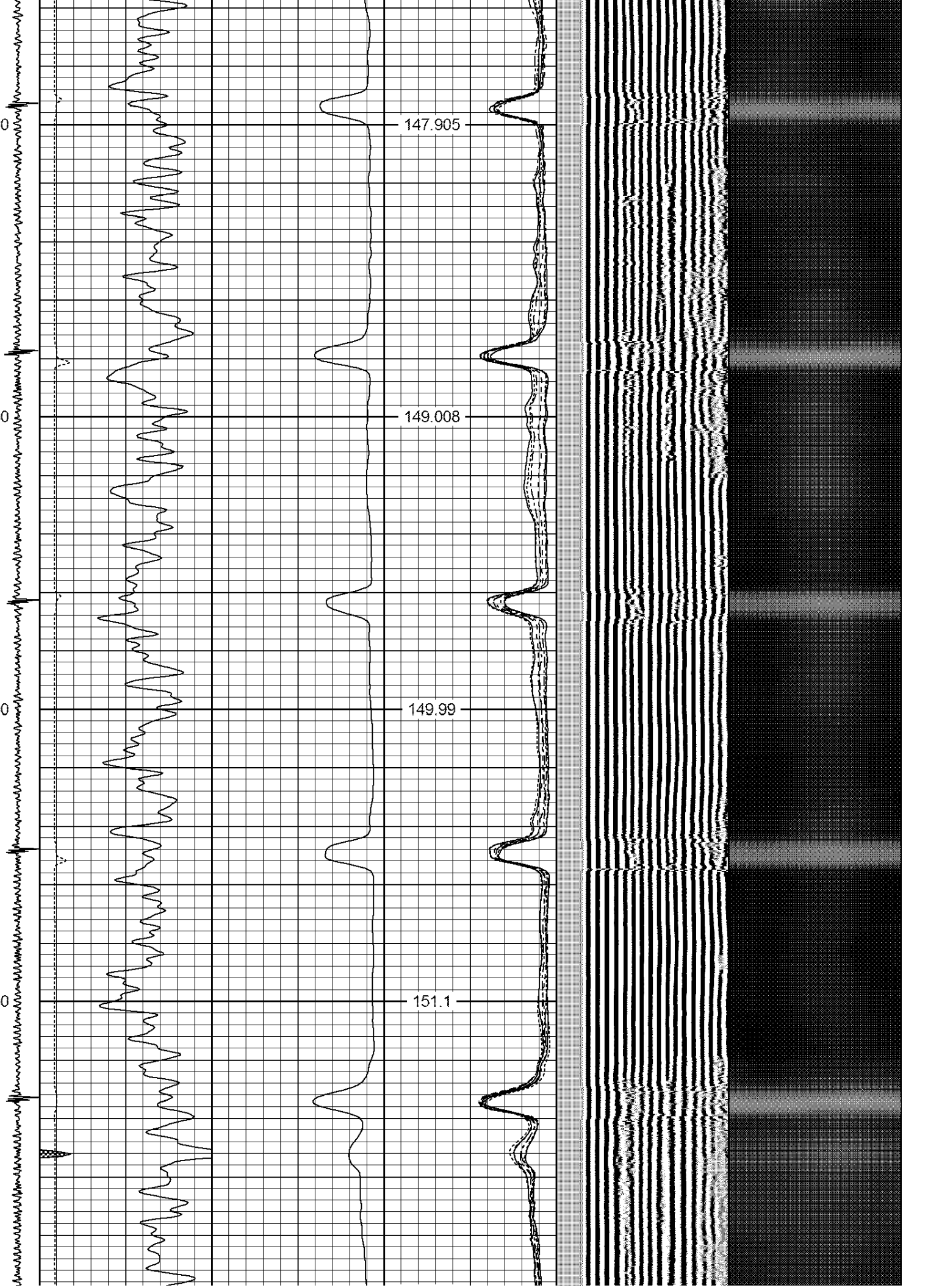
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2700

149.99

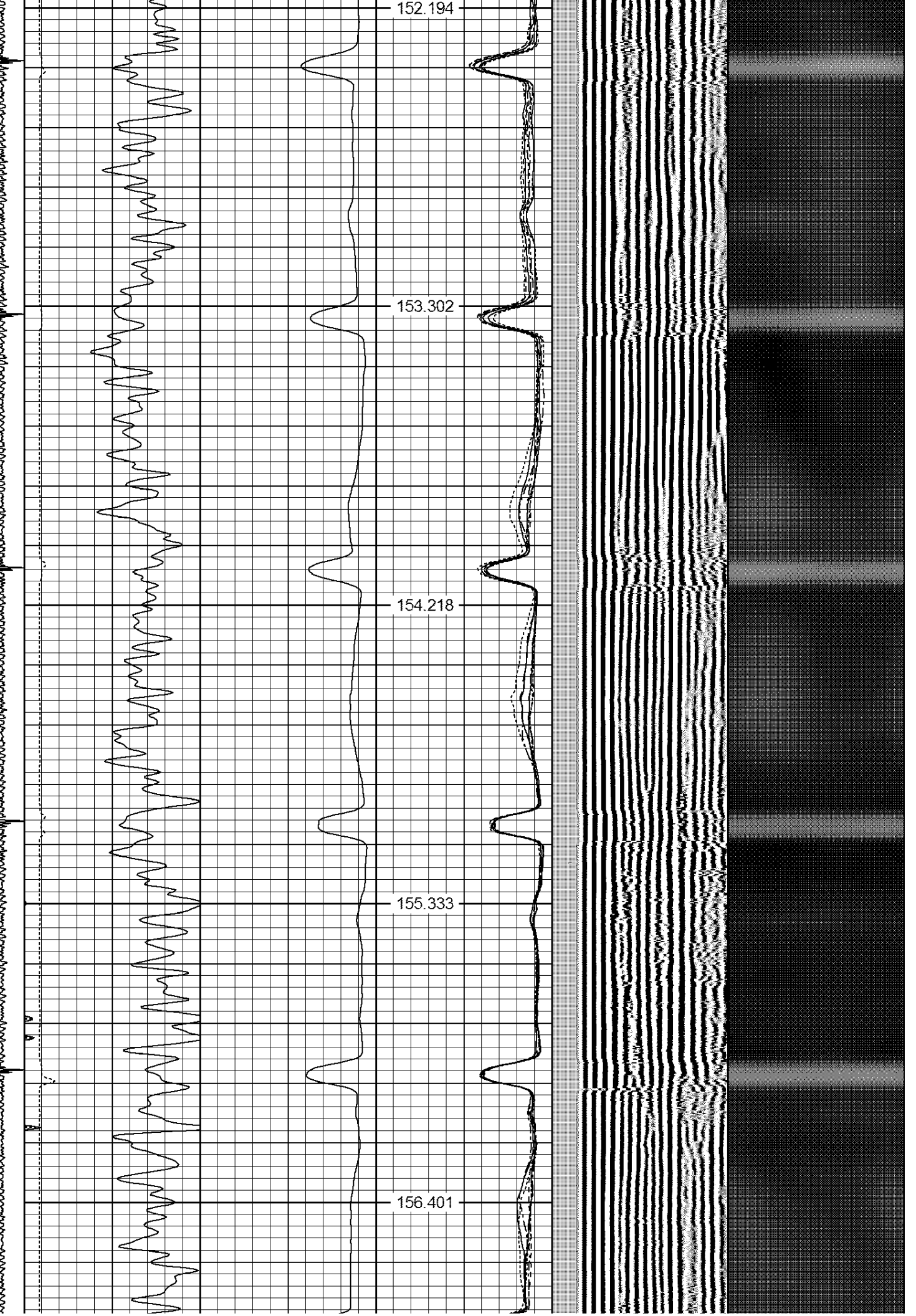
2750

151.1



2800
2850
2900
2950
3000

152.194
153.302
154.218
155.333
156.401



3050

3100

3150

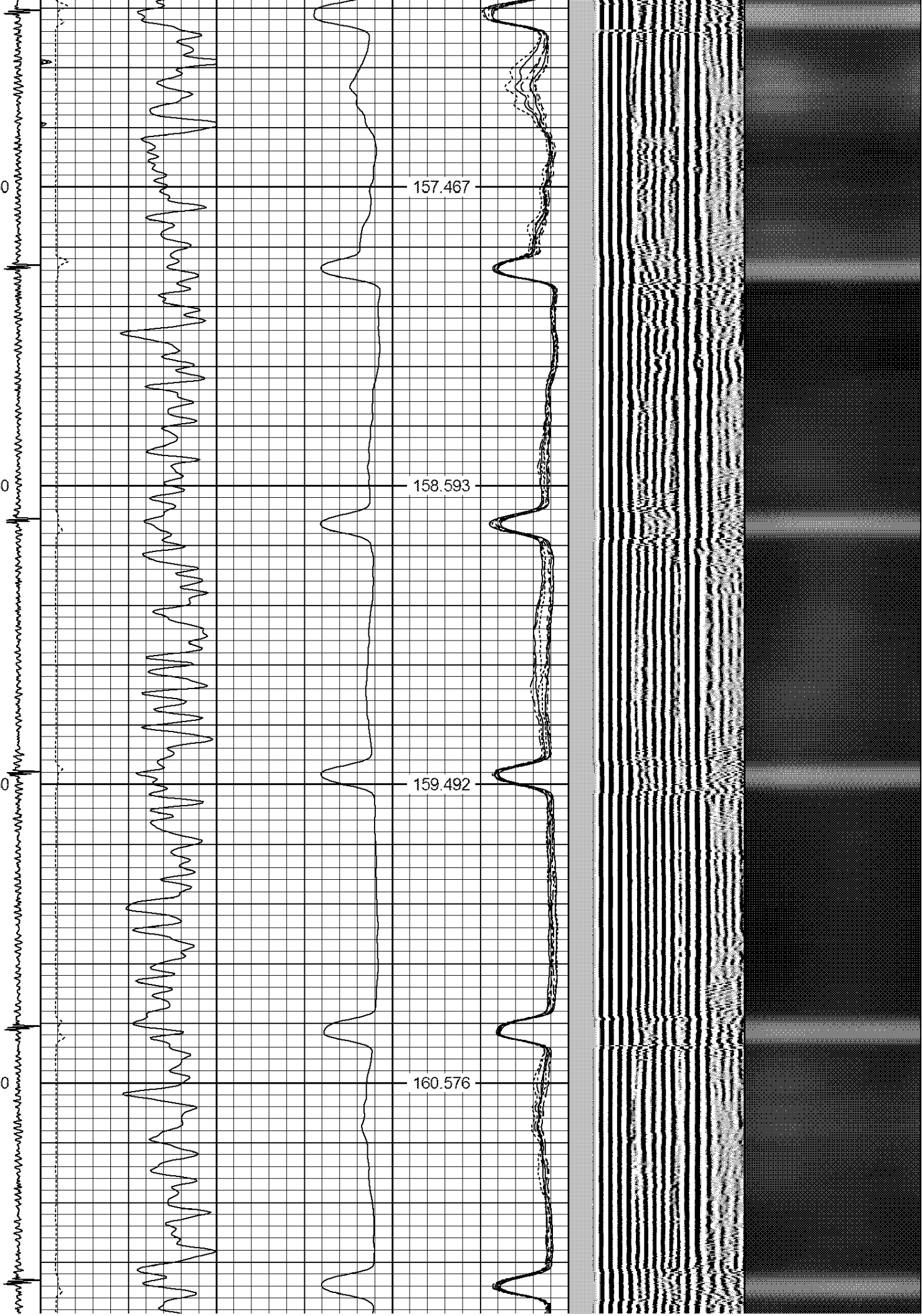
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157.467

158.593

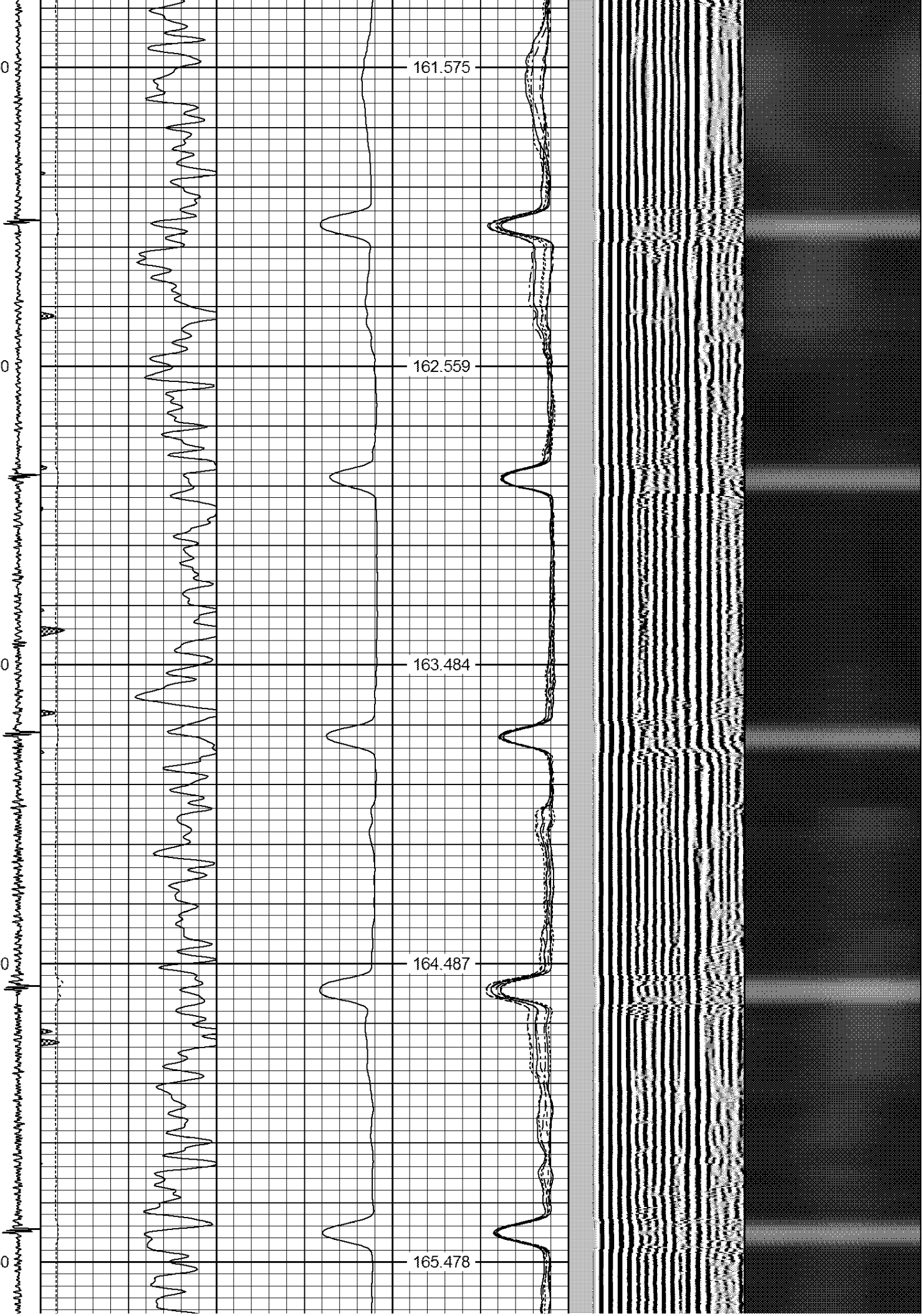
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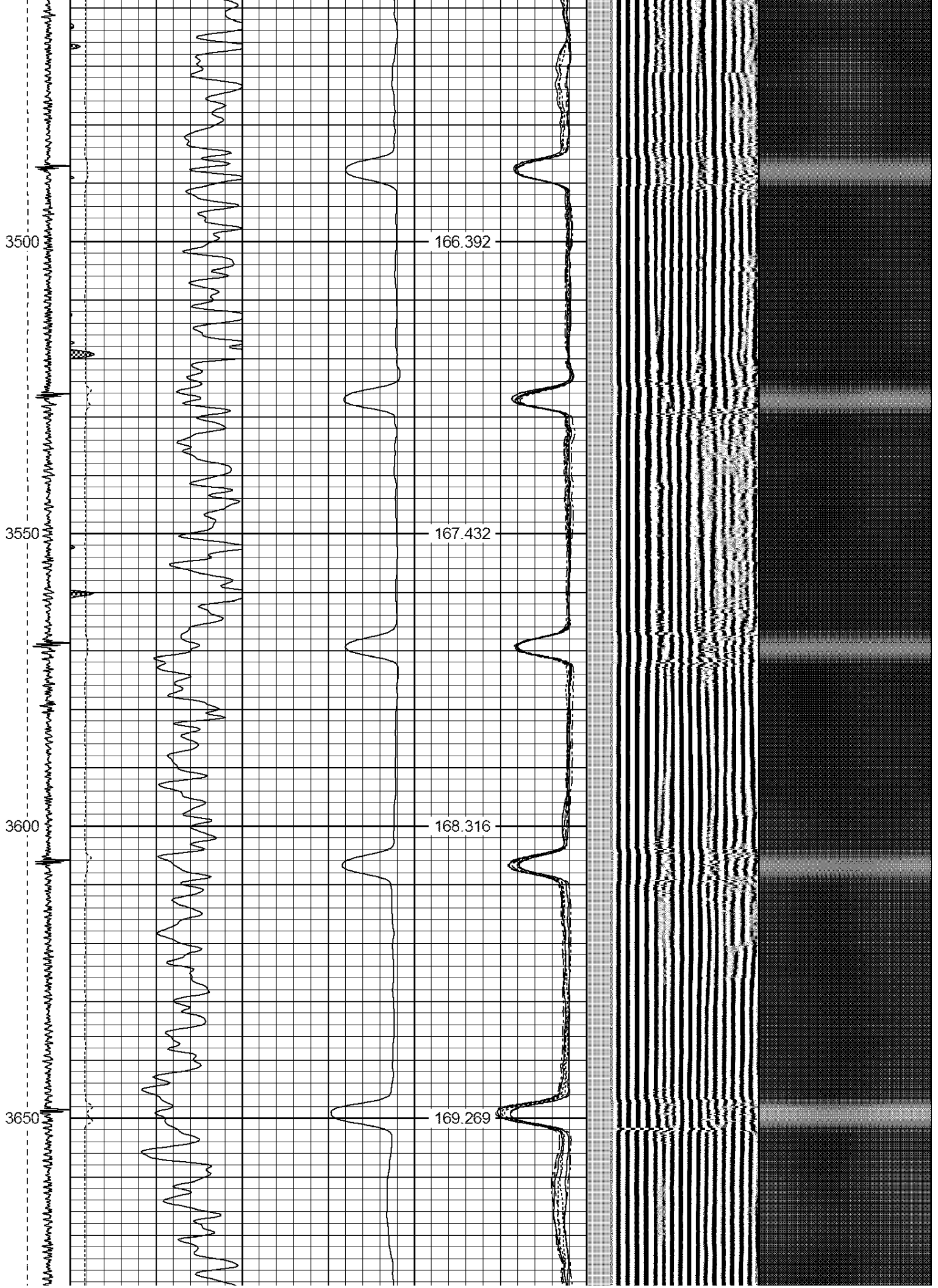
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3250
3300
3350
3400
3450

161.575
162.559
163.484
164.487
165.478





3700

170.138

3750

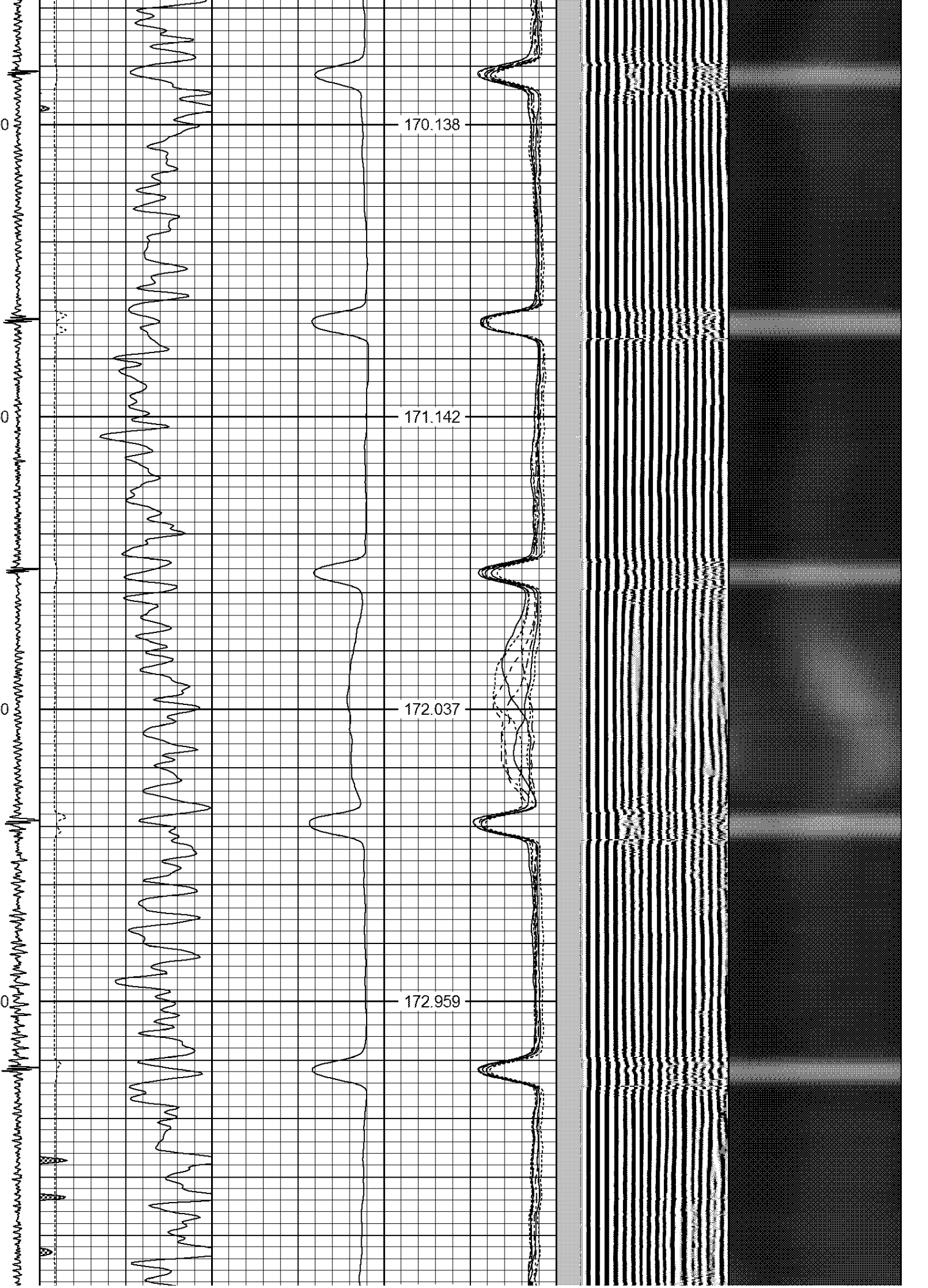
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3800

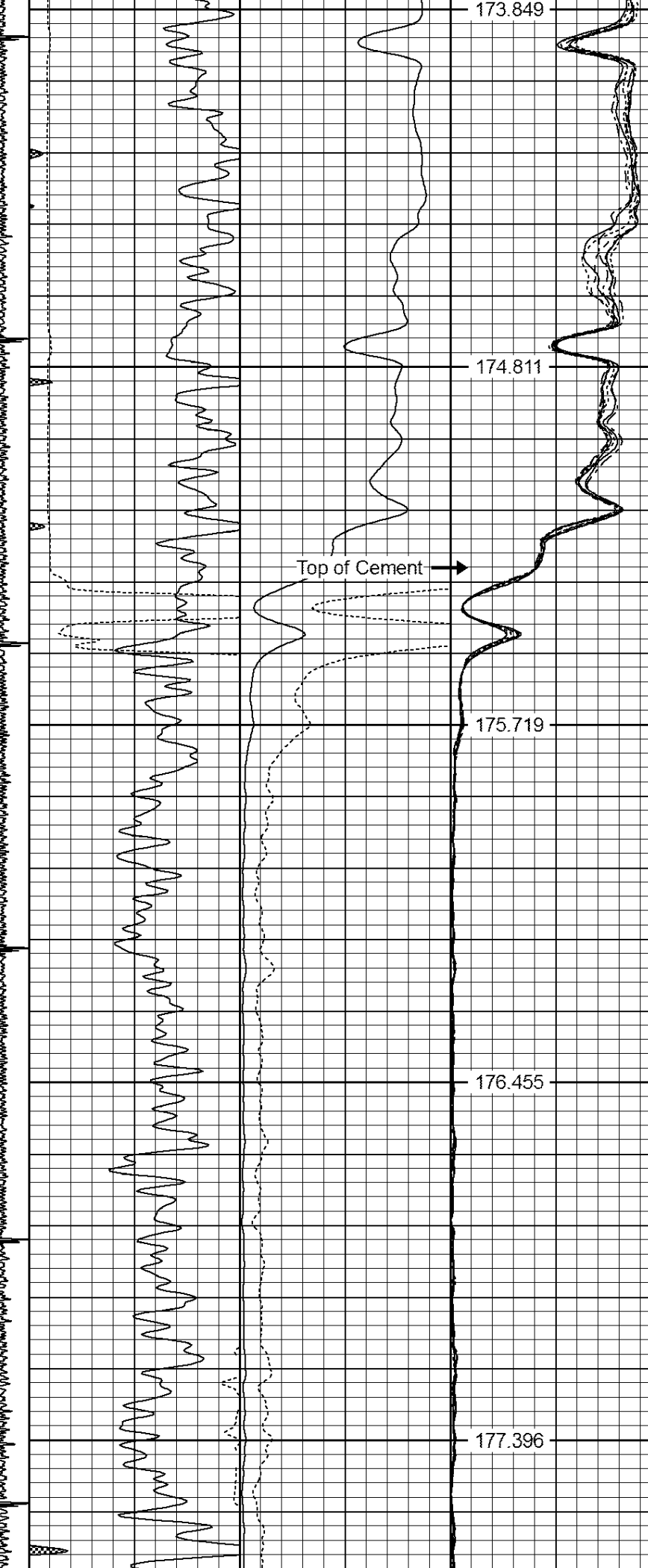
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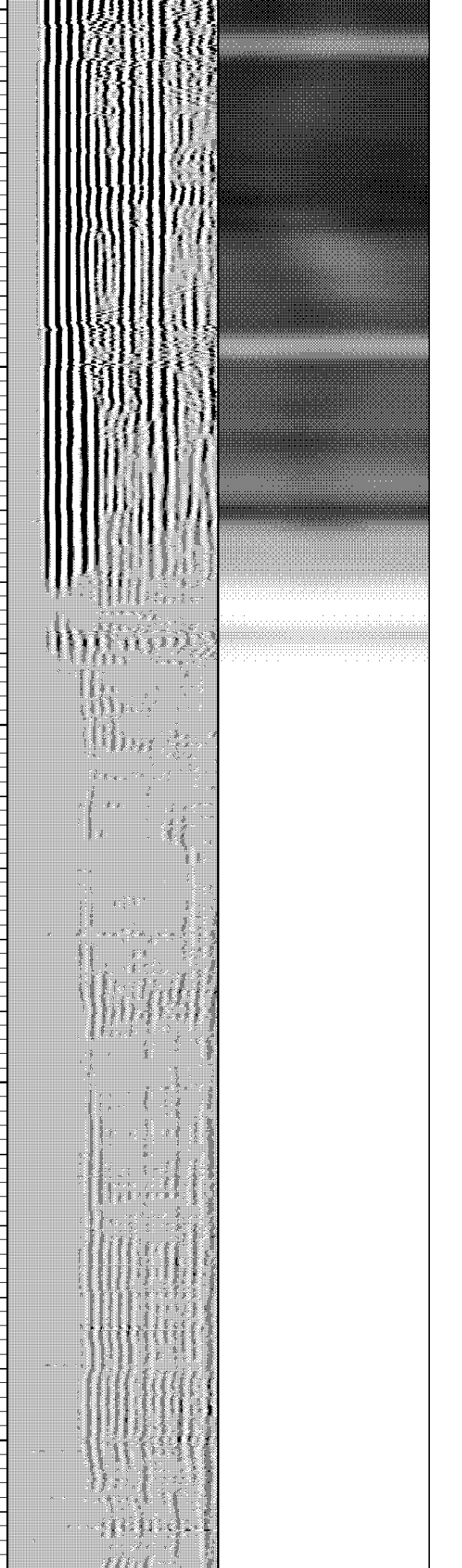
172.959



3900
3950
4000
4050
4100



173.849
174.811
175.719
176.455
177.396



4150

178.284

4200

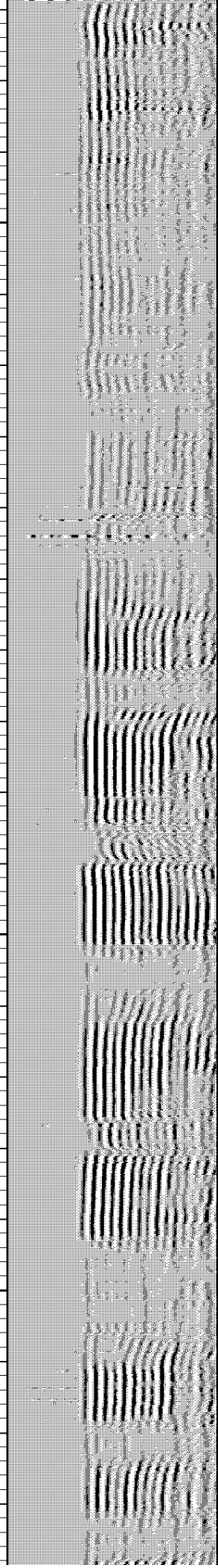
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4250

179.951

4300

180.86



4350

181.669

4400

182.507

4450

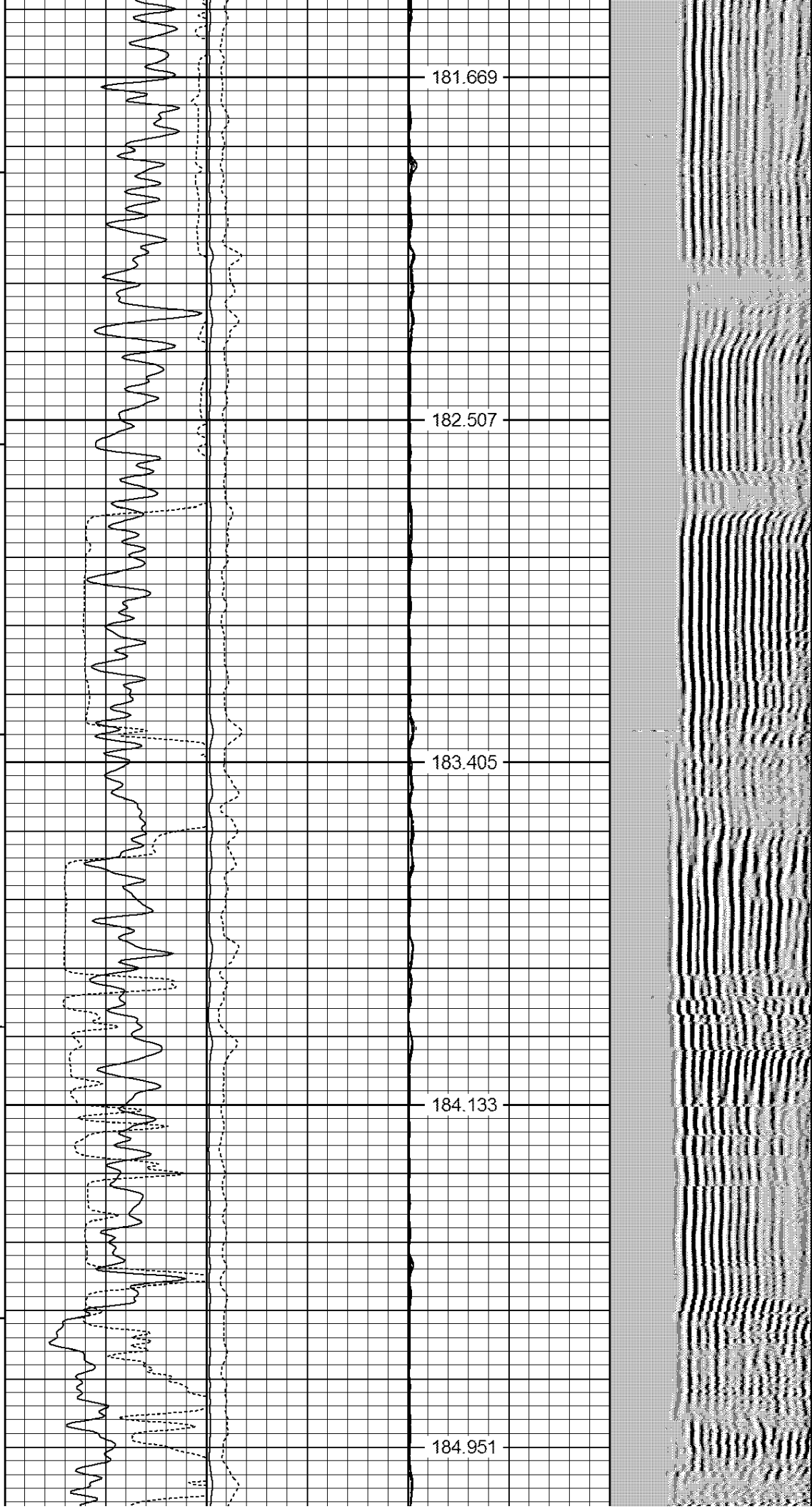
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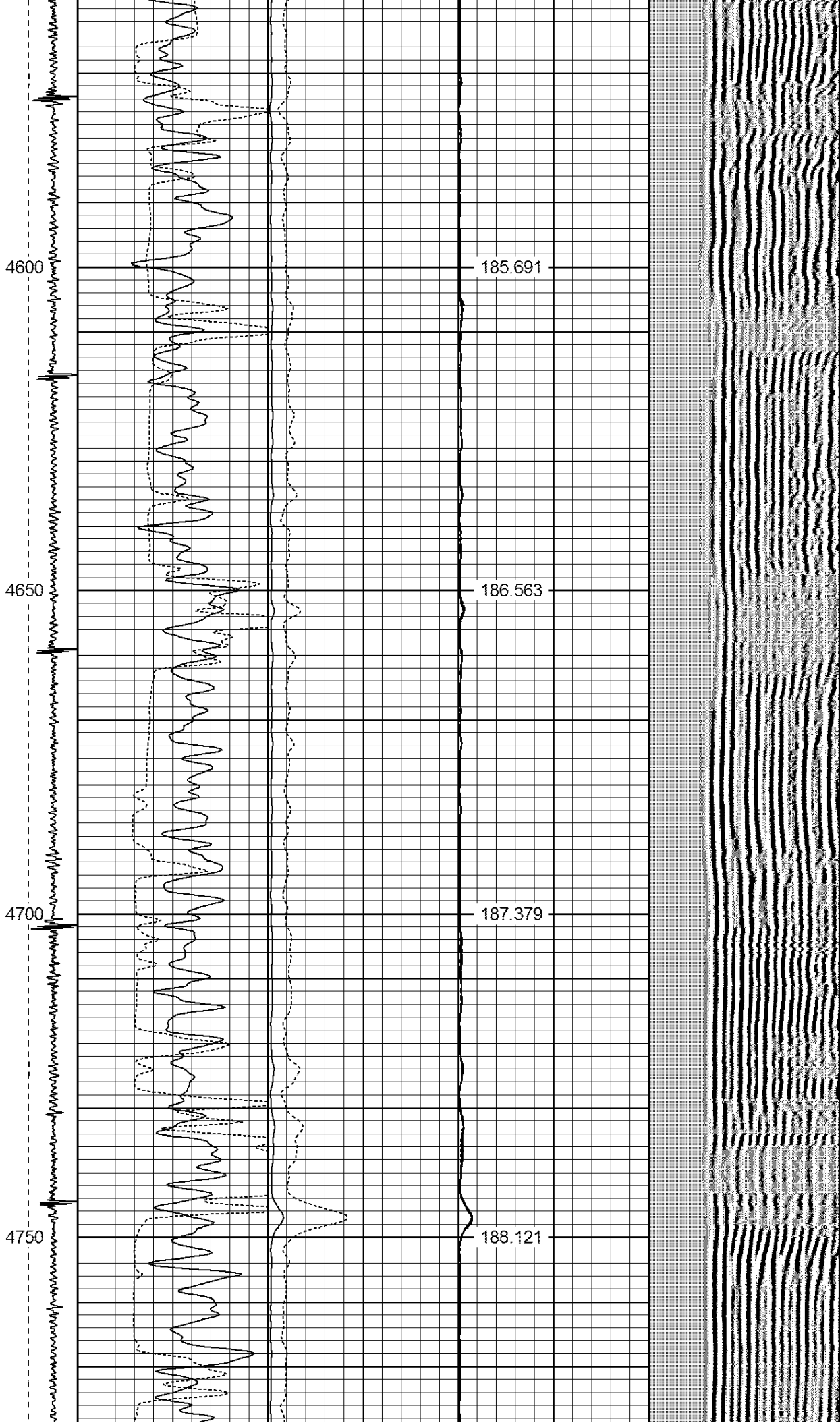
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184.133

4550

184.951





4800

188.924

4850

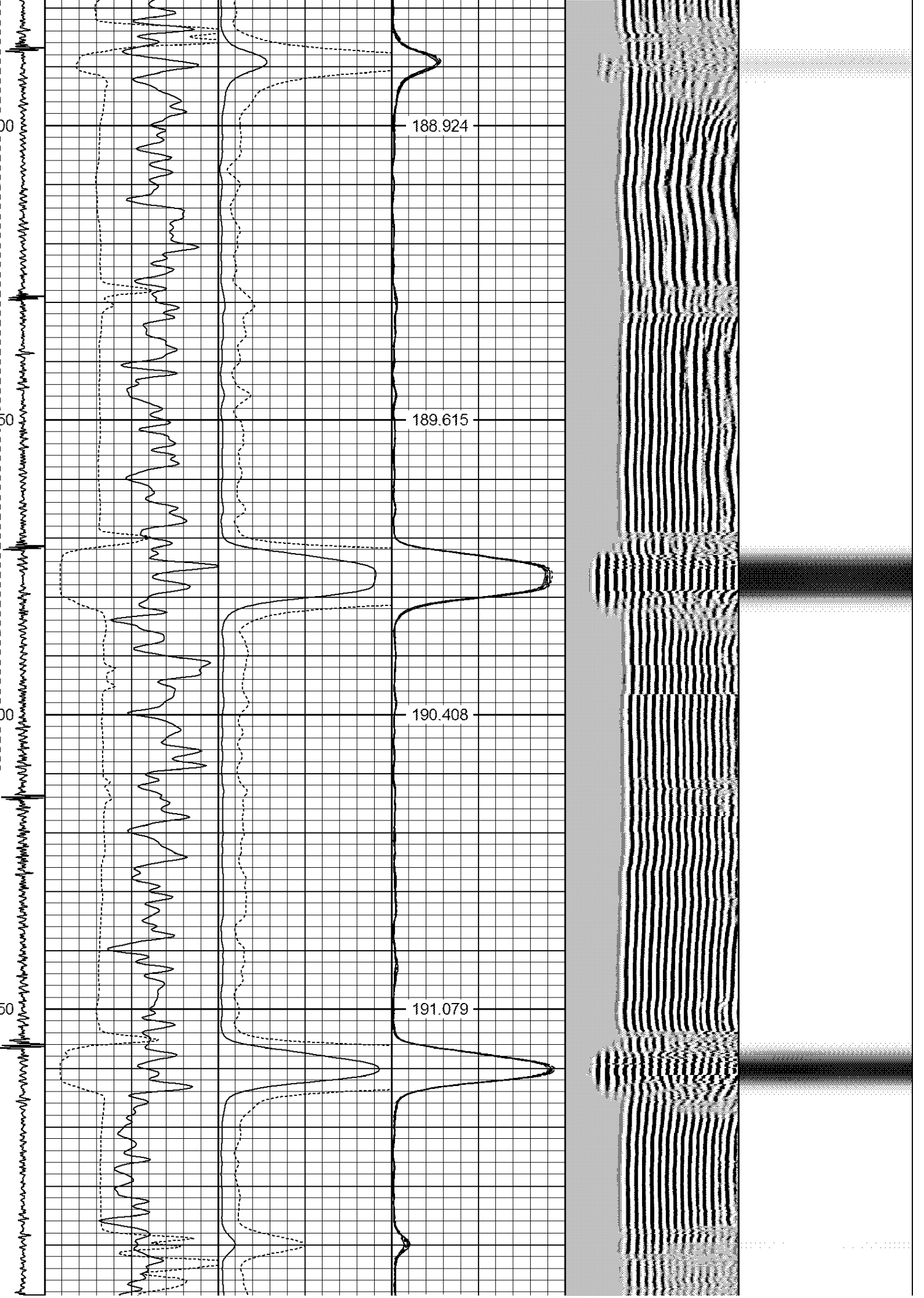
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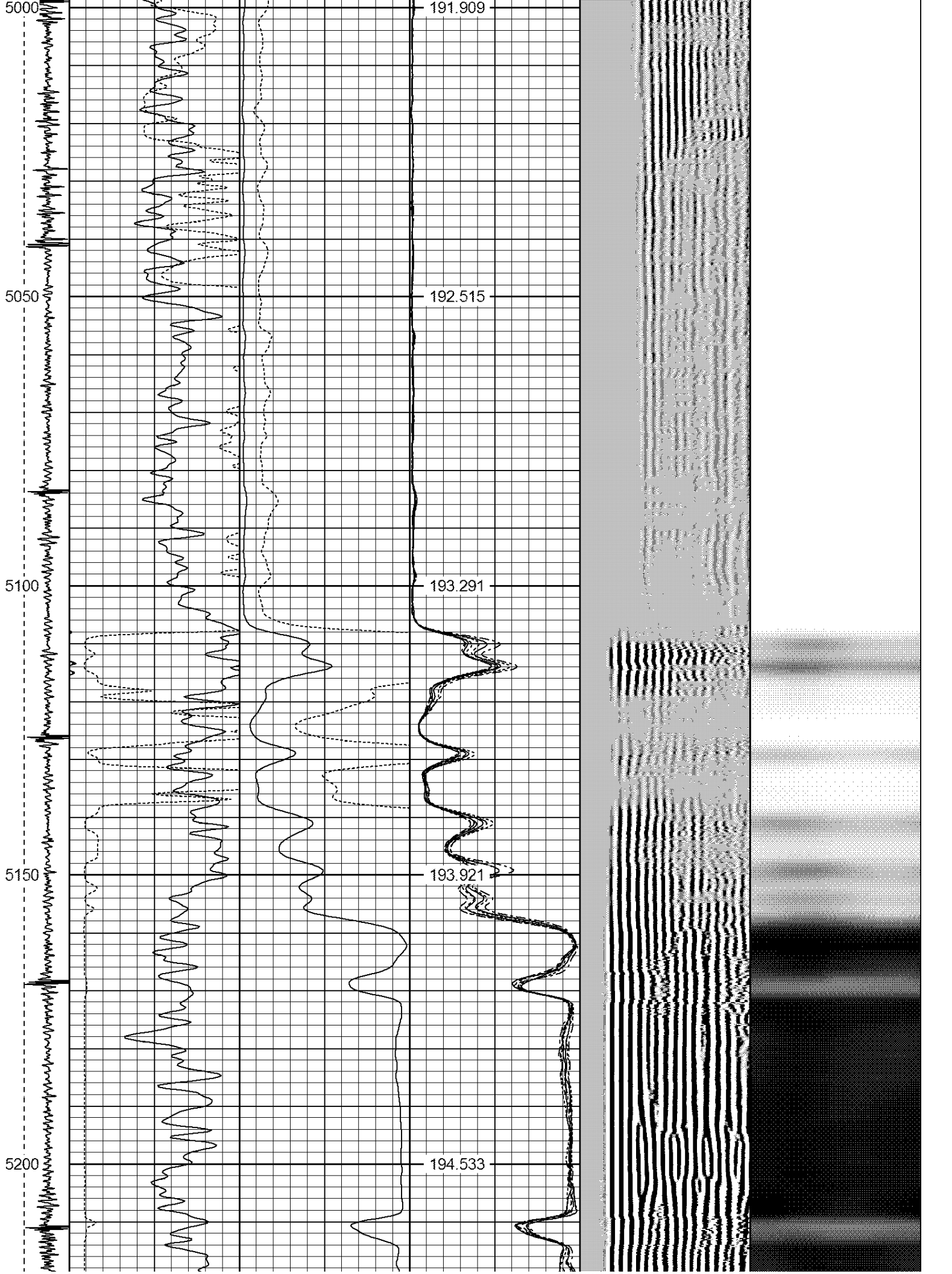
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190.408

4950

191.079





5250

195.206

5300

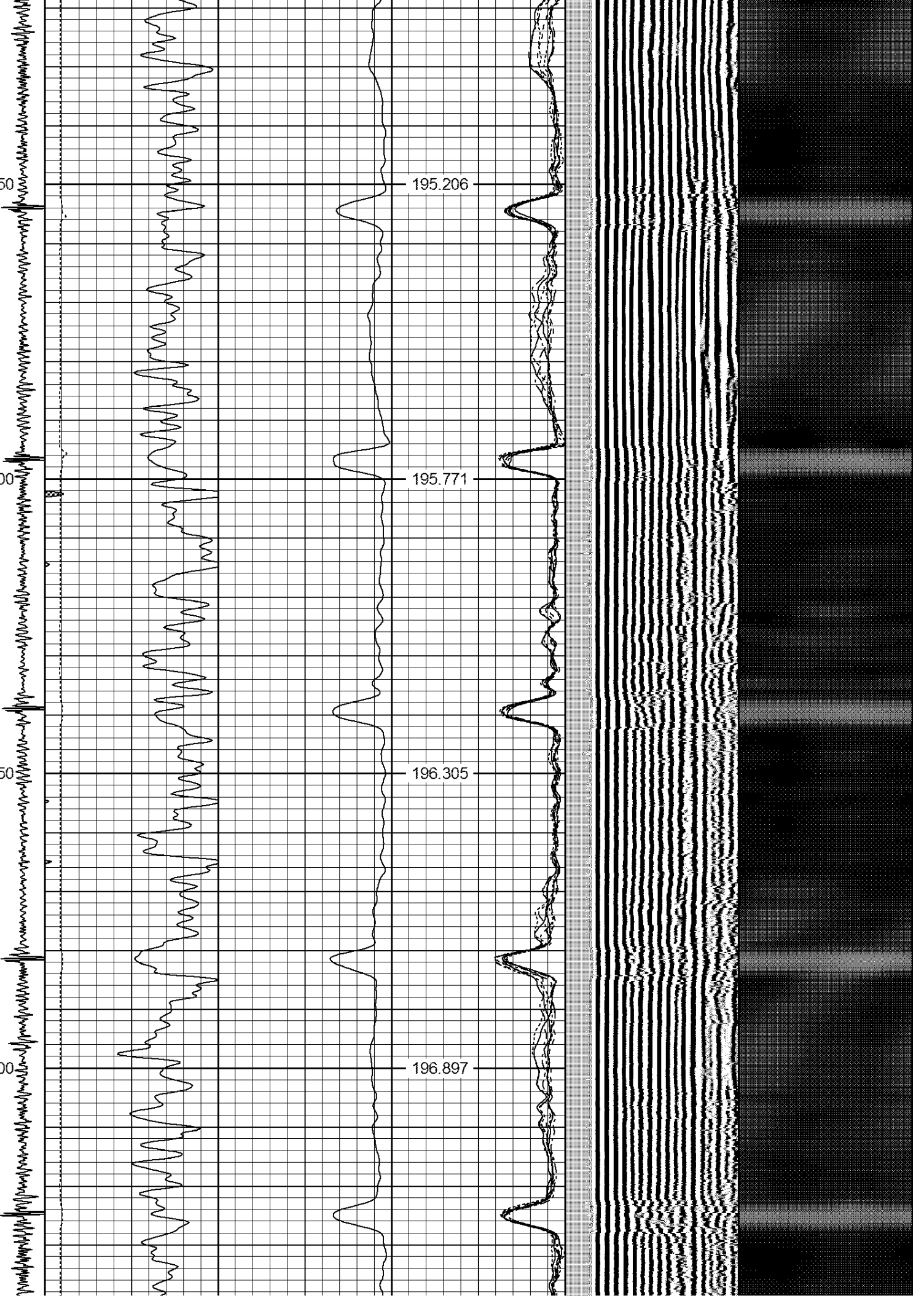
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5350

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5400

196.897



5450

197.321

5500

197.879

5550

198.233

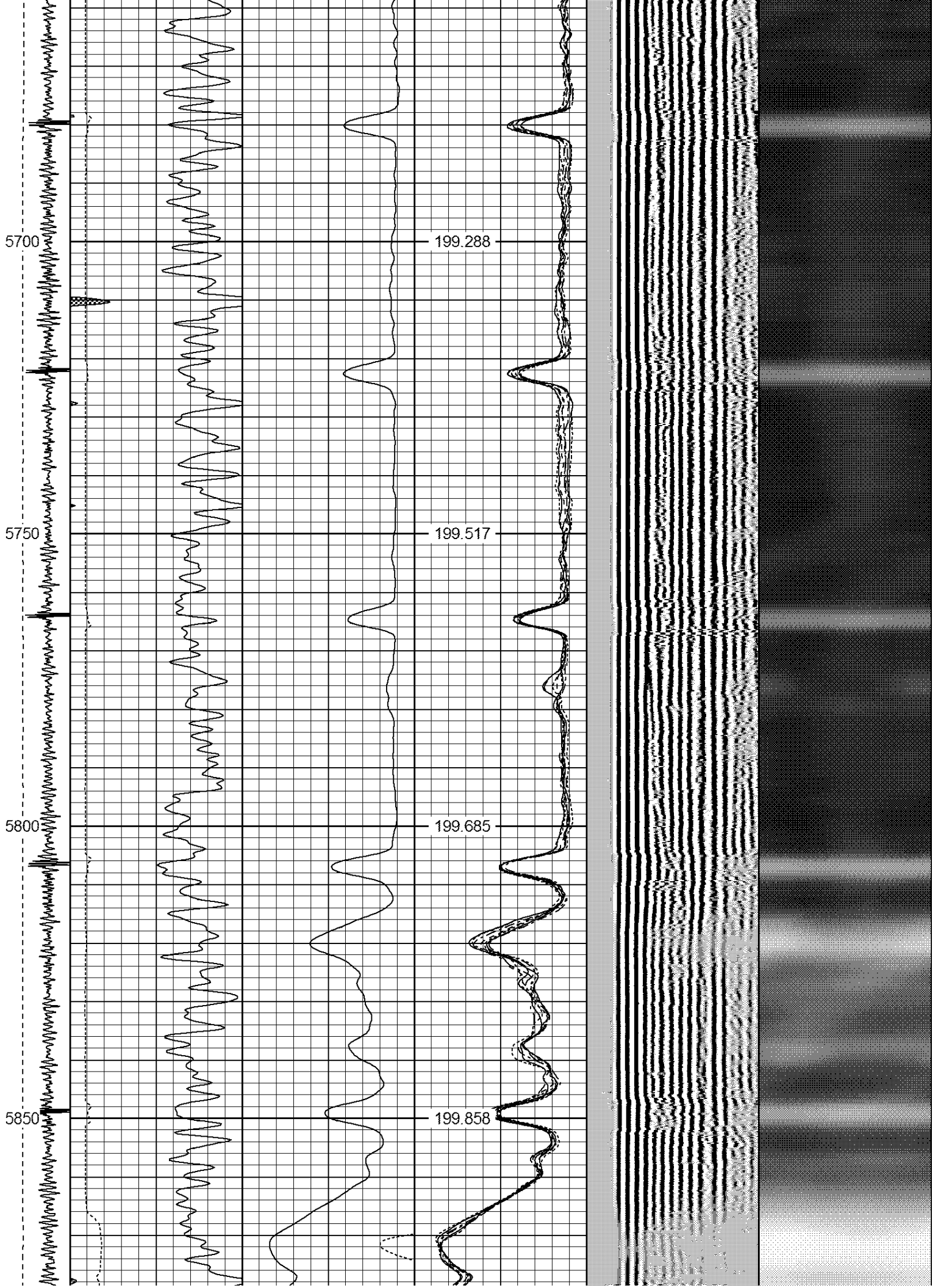
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5650

199.022





5900

199.895

5950

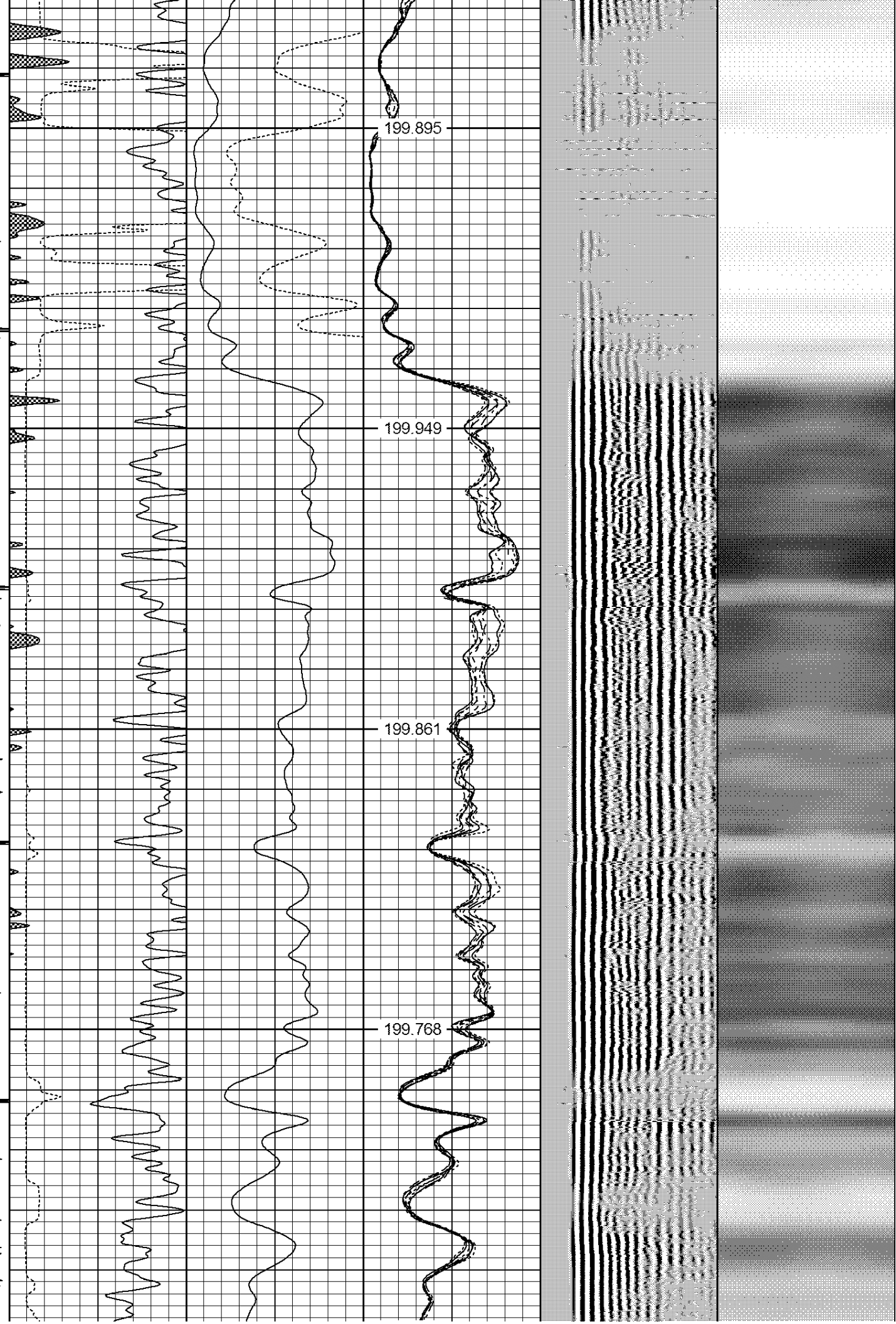
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6000

199.861

6050

199.768



6100

199.577

6150

199.318

6200

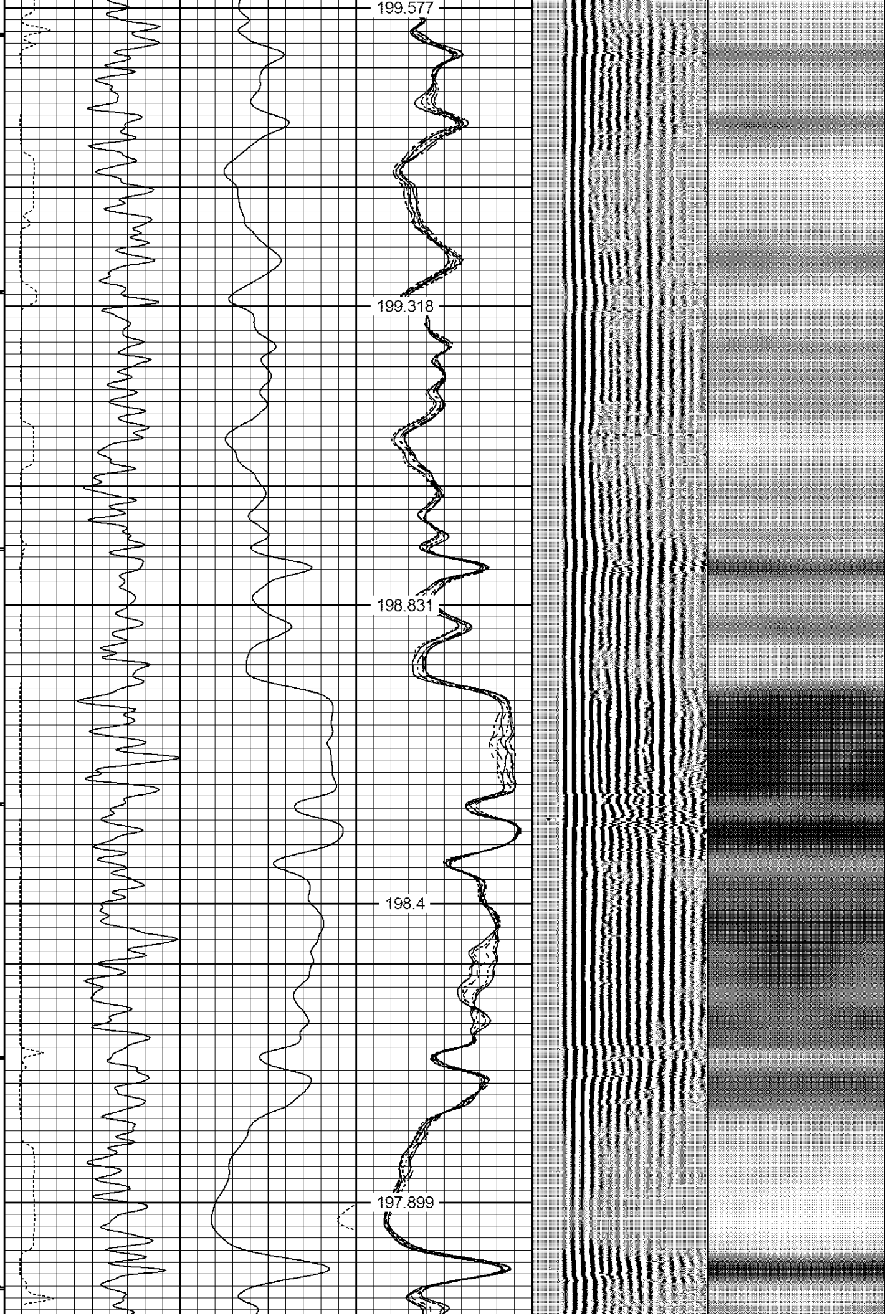
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6250

198.4

6300

197.899



6350

197.241

6400

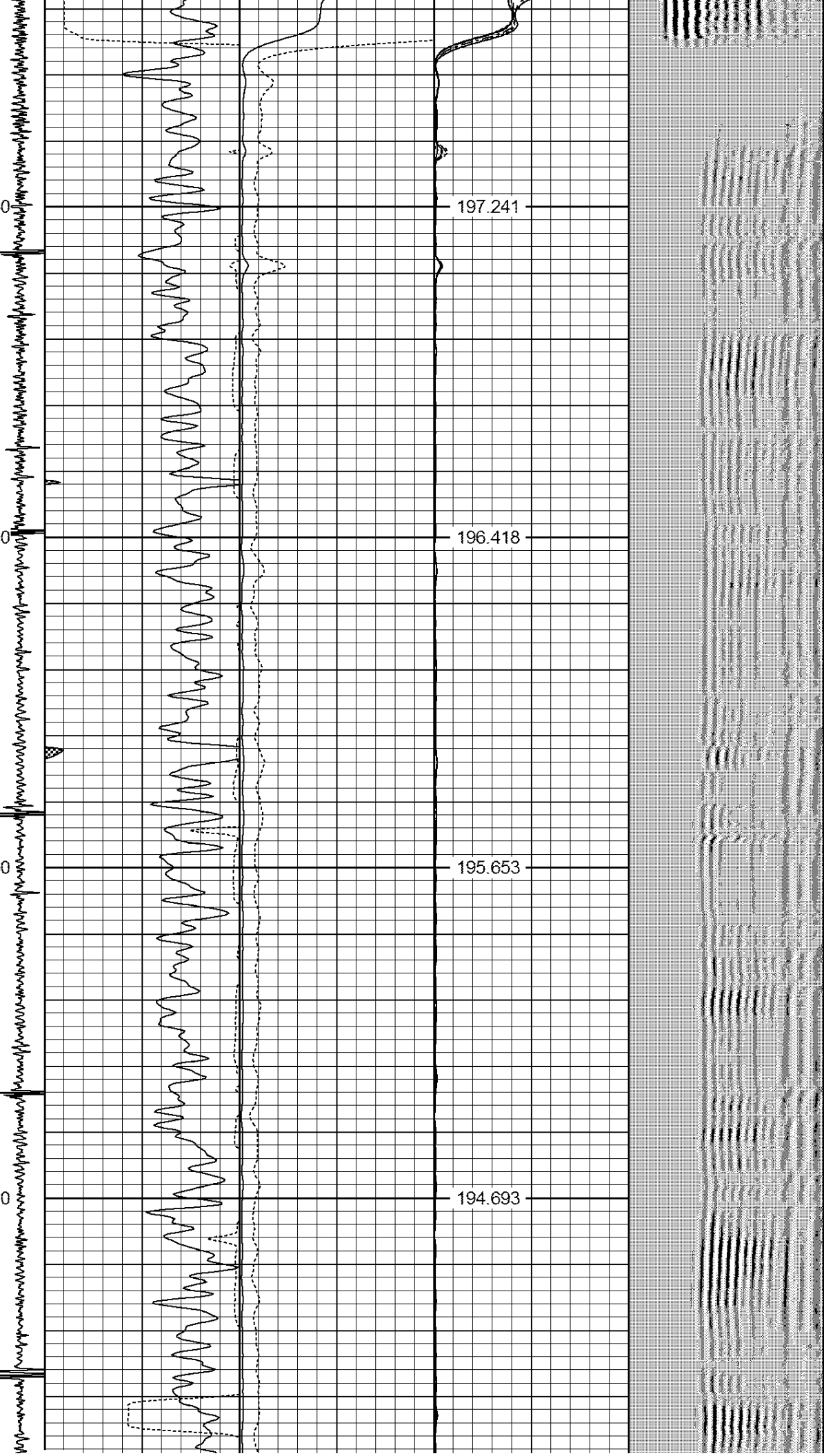
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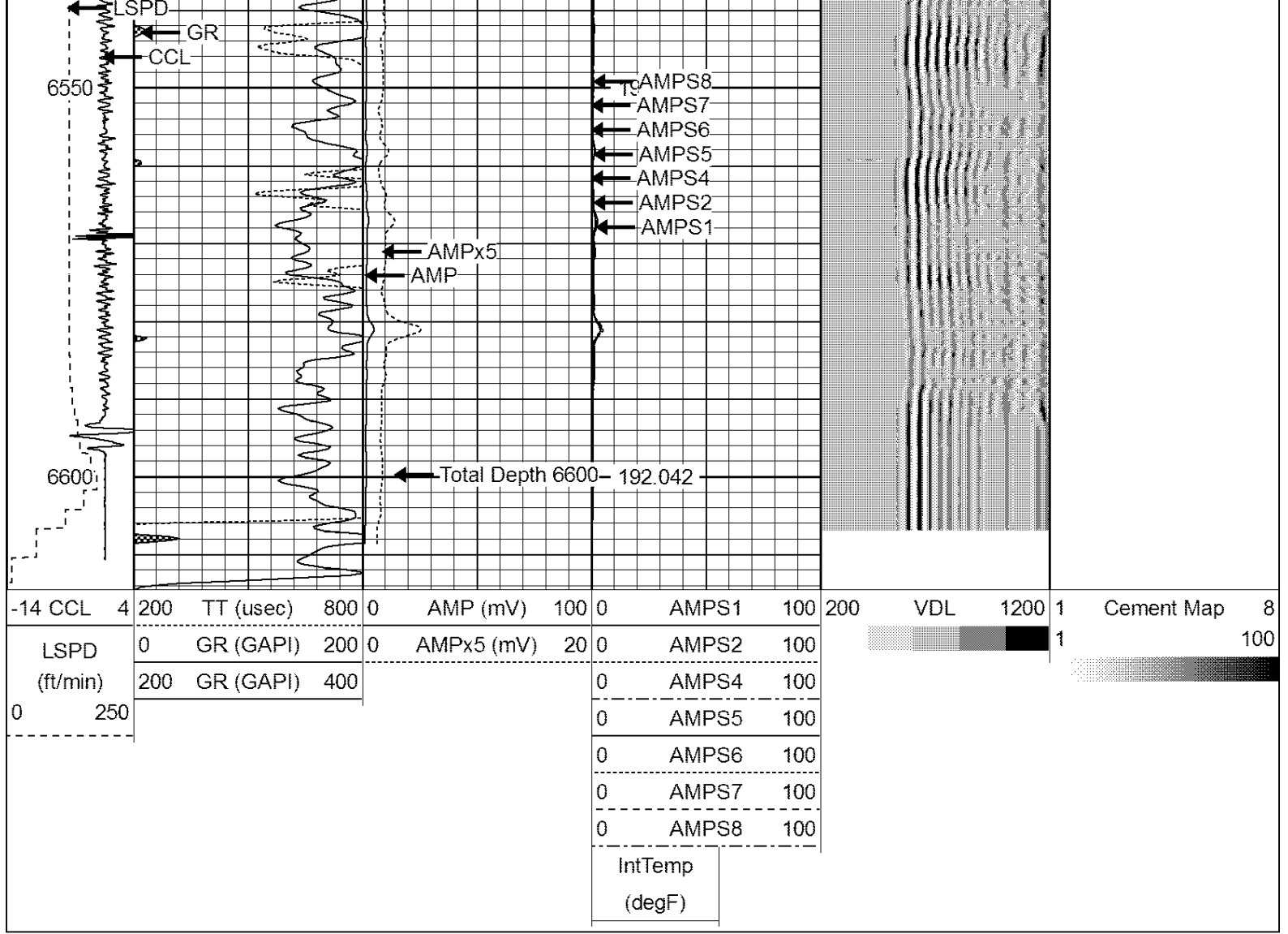
6450

195.653

6500

194.693





Company: KERR McGEE OIL AND GAS
 Well: HOUSTON 17-8L
 Field: WATTENBERG
 County: WELD
 State: CO