



CEMENT BOND
GAMMA RAY
CCL

Company BONANZA CREEK ENERGY INC.
Well STATE ANTELOPE 14-11-28HNB
Field WATTENBERG
County WELD State CO

Location: API # : 05-123-36877-00
SW/SW
330 FSL 642 FWL

Other Services

SEC 28 TWP 5N RGE 62W

Permanent Datum GL Elevation 4604
Log Measured From KB 17'
Drilling Measured From KB

KB. 4621
D.F. 4620
G.L. 4604

Date 6-10-2013

Run Number ONE
Depth Driller 10850
Depth Logger 6376
Bottom Logged Interval 6376
Top Log Interval SURFACE
Open Hole Size 7"
Type Fluid WATER
Density / Viscosity 1.0
Max. Recorded Temp. 198
Estimated Cement Top
Time Well Ready
Time Logger on Bottom
Equipment Number 7770
Location GREELEY
Recorded By C.JONES
Witnessed By K.DODGE

Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	12 1/4"	0					
TWO	7 7/8"						

	Size	Wgt/Ft	Top	Bottom
Casing Record				
Surface String			0	
Prot. String				
Production String	7"	26#	0	TD
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

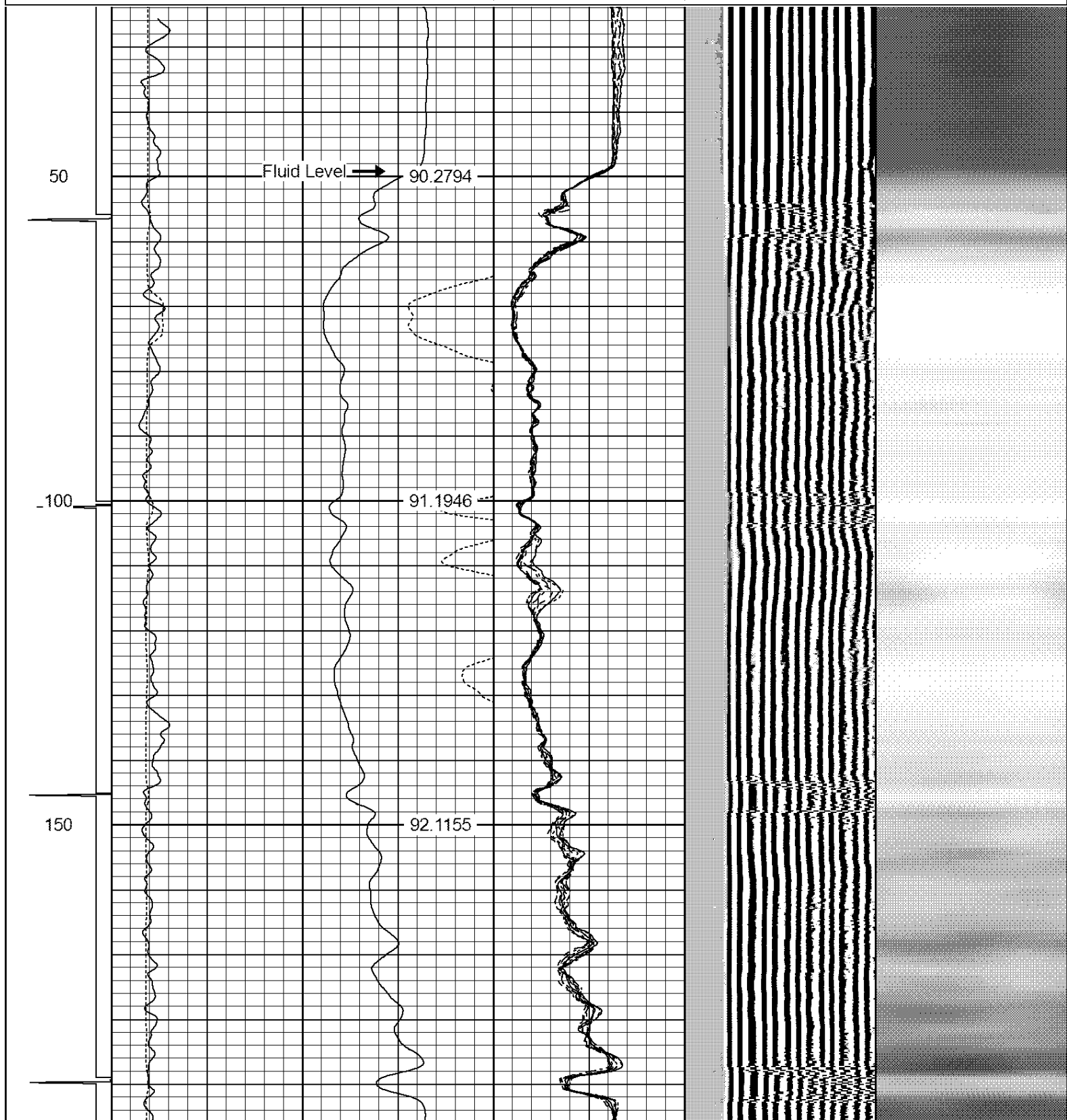
RAN CBL TO VERIFY CEMENT.

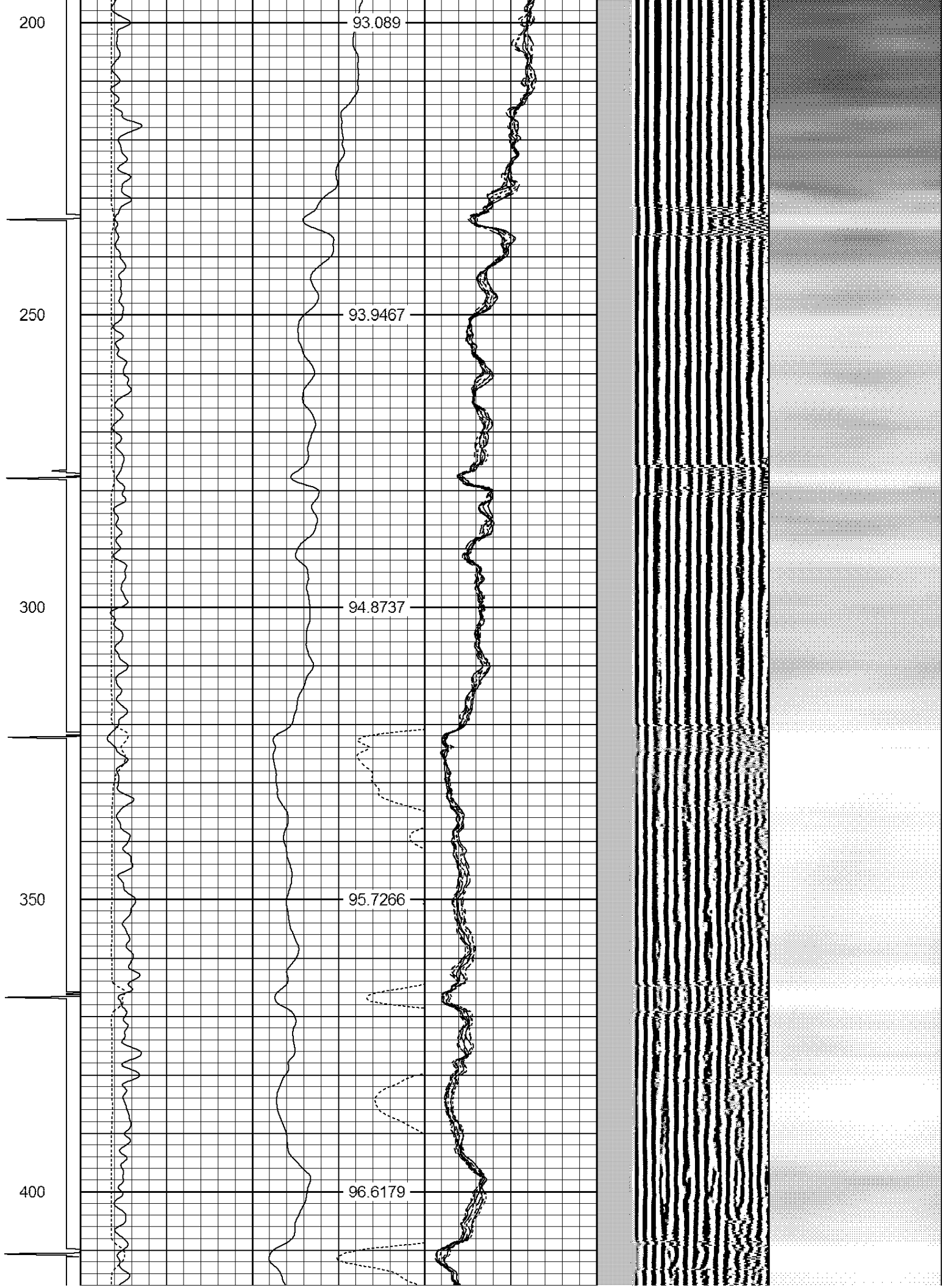
THANK YOU FOR USING WARRIOR ENERGY SERVICES!

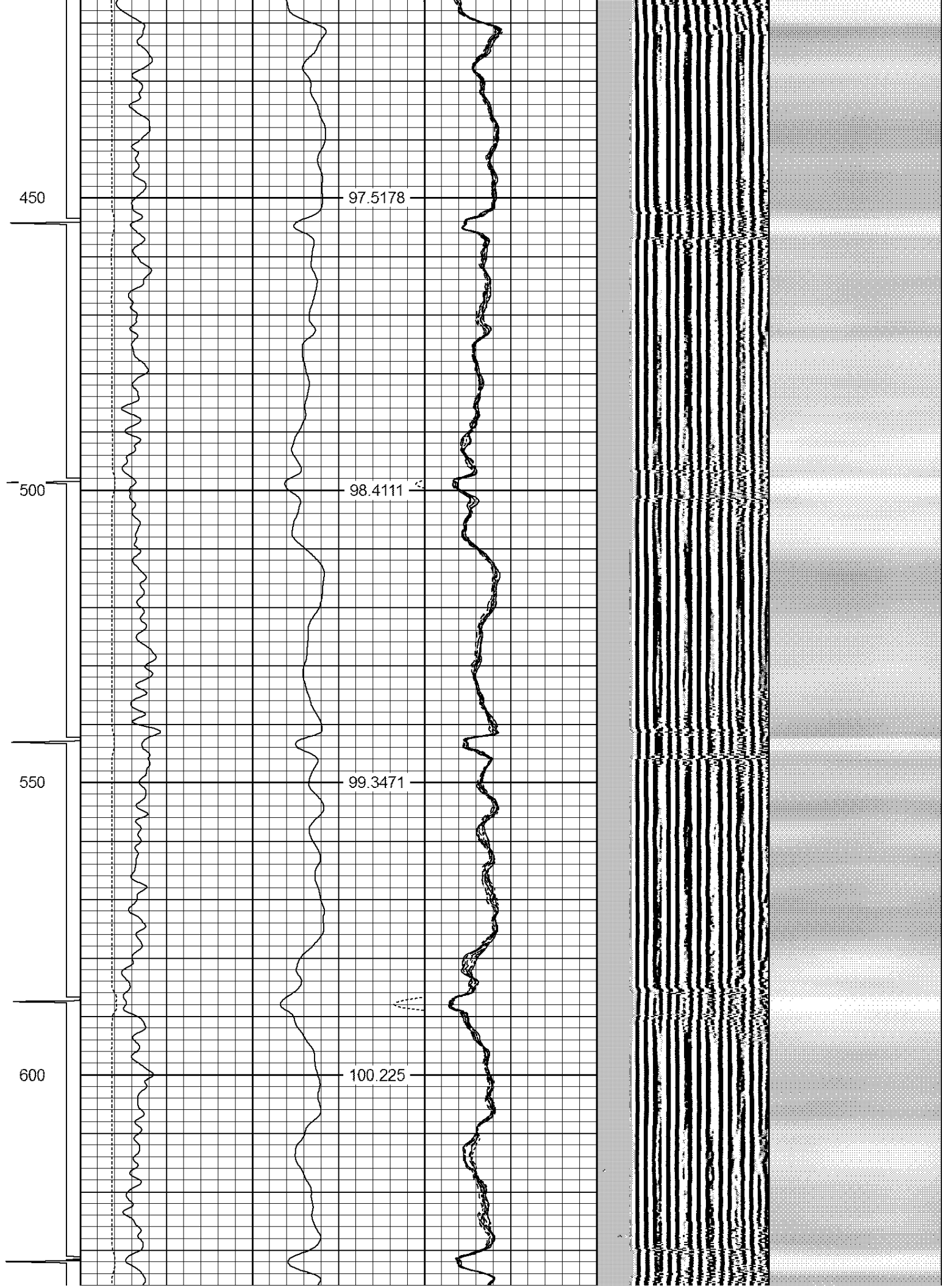
Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

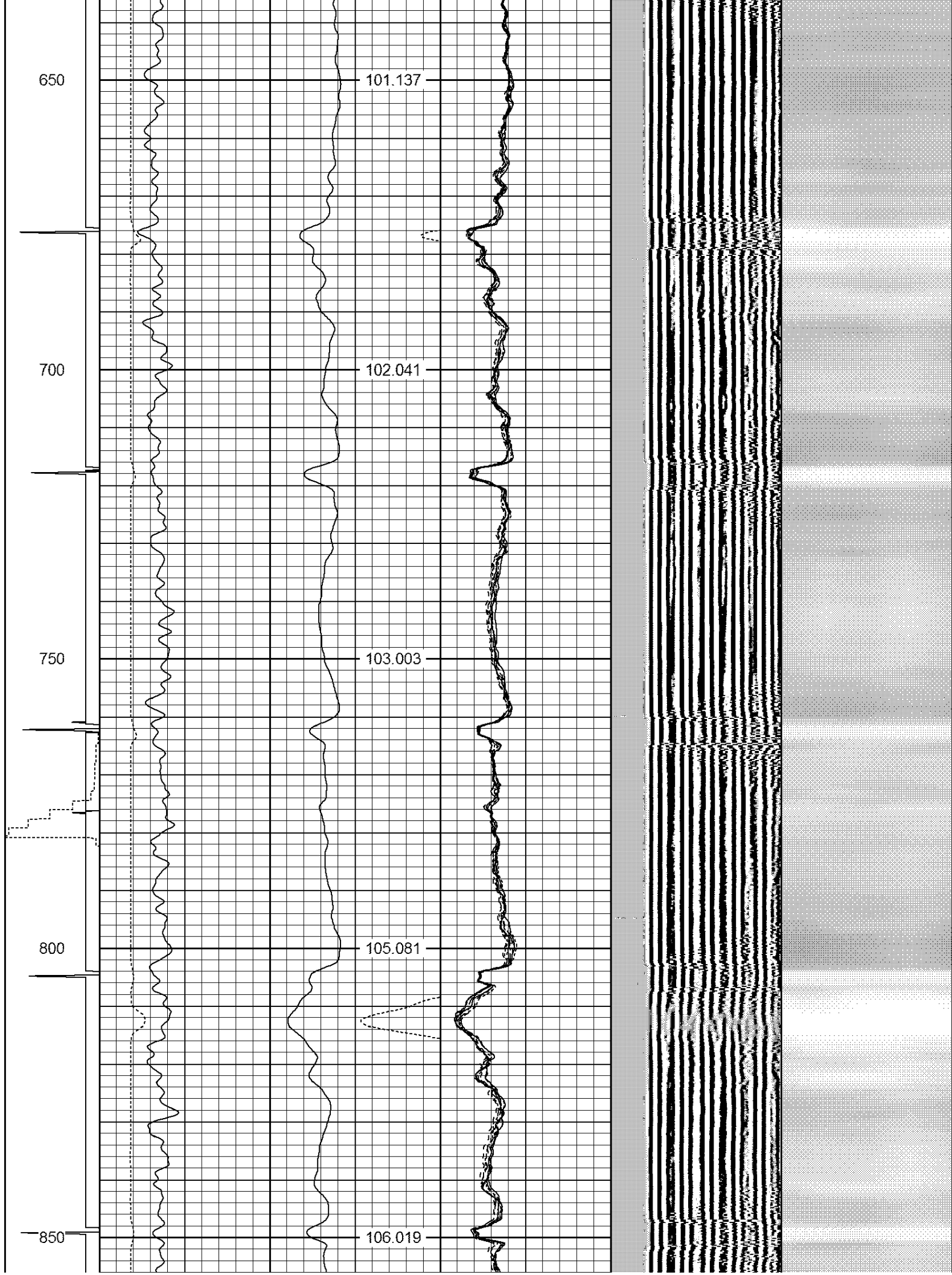
			Probe	2.83	2.75	40.00
HEADVOLT	16.08		STD-Standard (STNDRD) Standard Cable Head	0.83	1.44	1.00
IntTemp	14.67					
WVF3FT	11.42		RBT-Probe (Base) Probe Radii Bond Tool with Digital Telemetry	8.92	2.75	90.00
WVFCAL	11.42					
WVFS1	11.42					
WVFS2	11.42					
WVFS3	11.42					
WVFS4	11.42					
WVFS5	11.42					
WVFS6	11.42					
WVFS7	11.42					
WVFS8	11.42					
WVF5FT	10.42					
			Probe	2.83	2.75	40.00
CCL	3.64					
			GR-Probe (275) Probe 2.75"	4.33	2.75	30.00
GR	0.90					
Dataset: state antelope 14 11 28 hnb.db: field/well/run1/pass4 Total Length: 19.75 ft Total Weight: 201.00 lb O.D. 2.75 in						

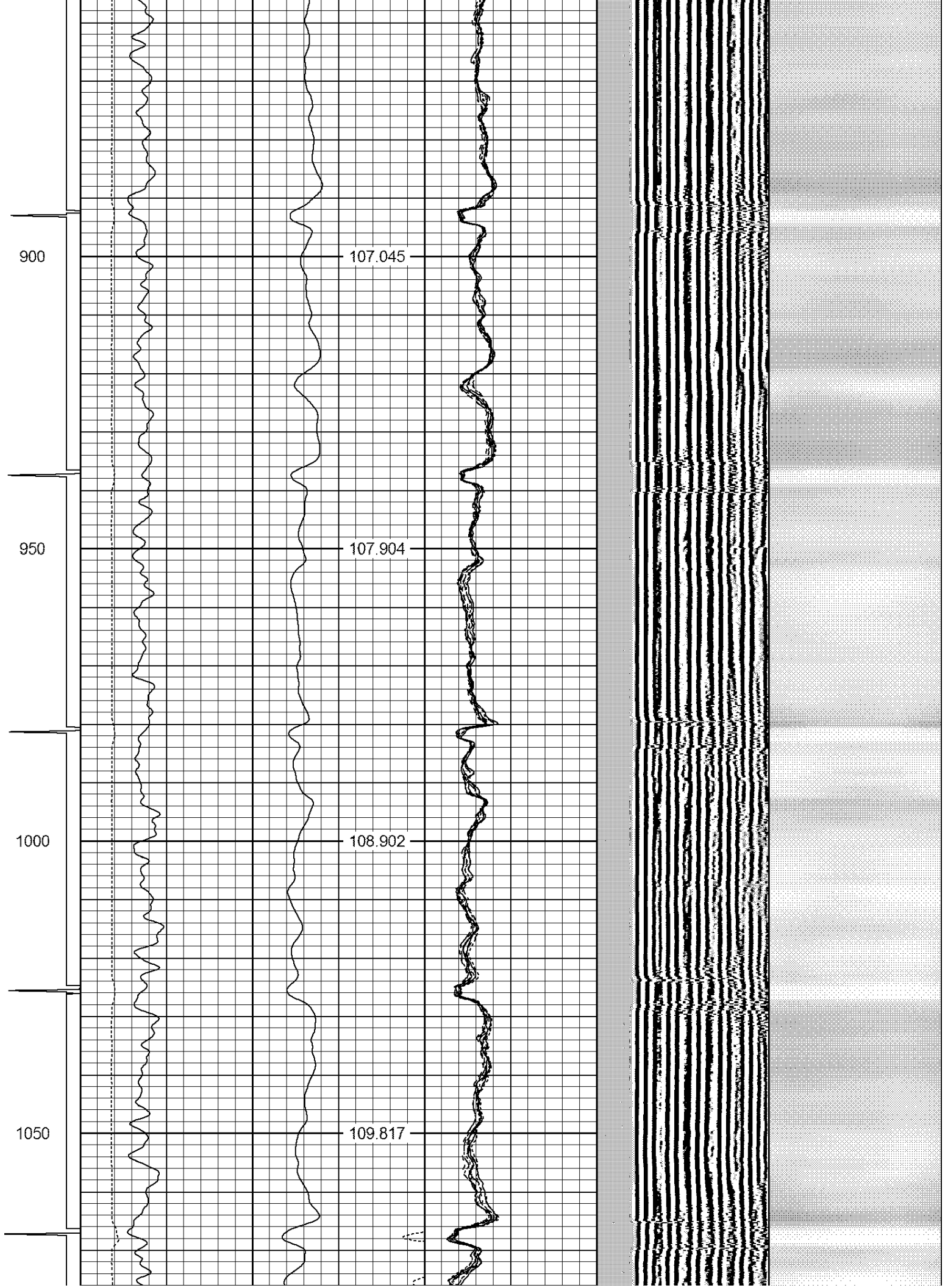
-6	CCL	1	200	TT (usec)	800	0	AMP (mV)	100	0	AMPS1	100	200	VDL	1200	1	Cement Map	8
	LSPD		0	GR (GAPI)	200	0	AMPx5 (mV)	20	0	AMPS2	100				10		85
	(ft/min)		200	GR (GAPI)	400		IntTemp		0	AMPS3	100						
0	100						(degF)		0	AMPS4	100						
									0	AMPS5	100						
									0	AMPS6	100						
									0	AMPS7	100						
									0	AMPS8	100						

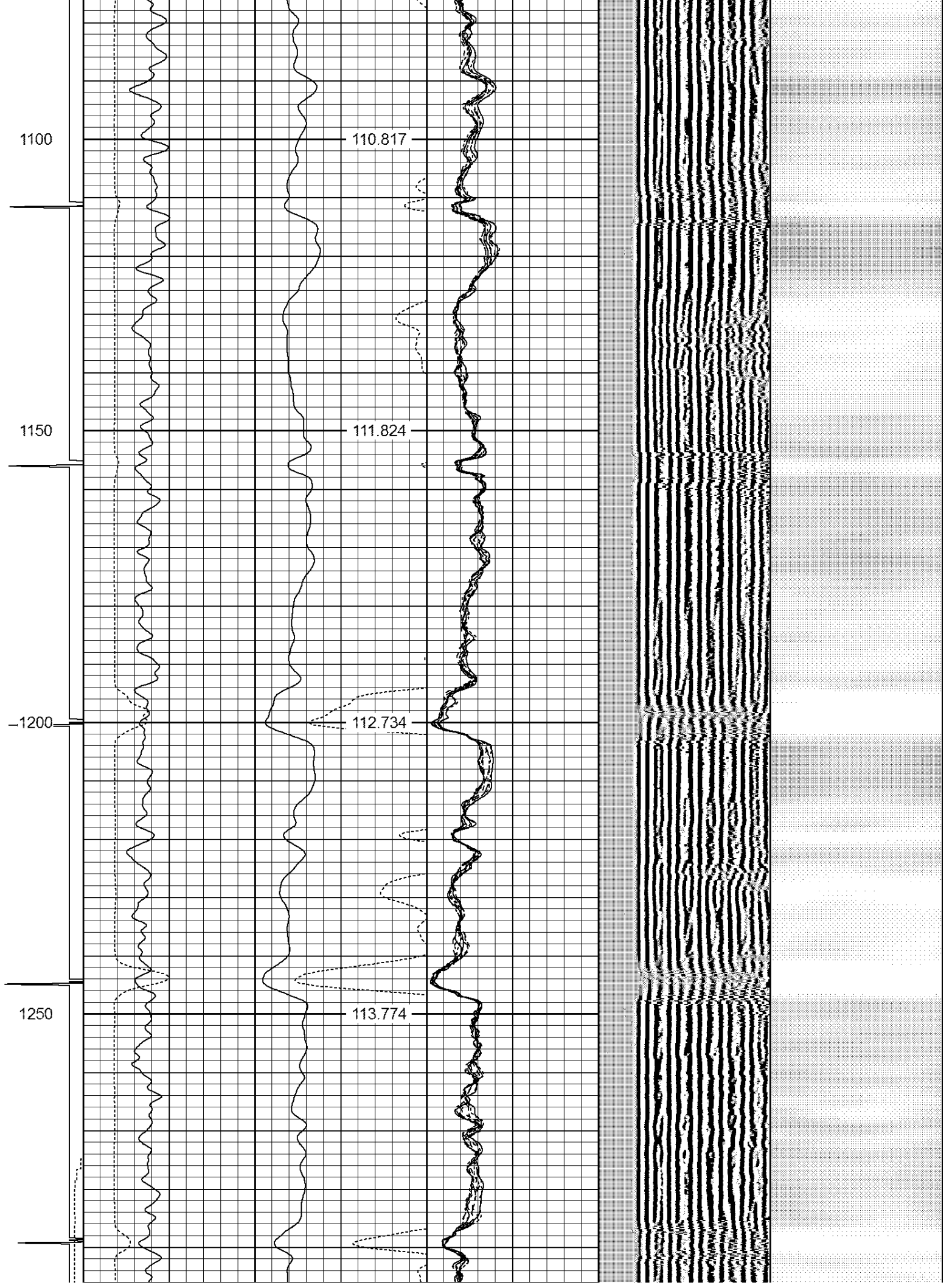












1300

114.774

1350

115.993

1400

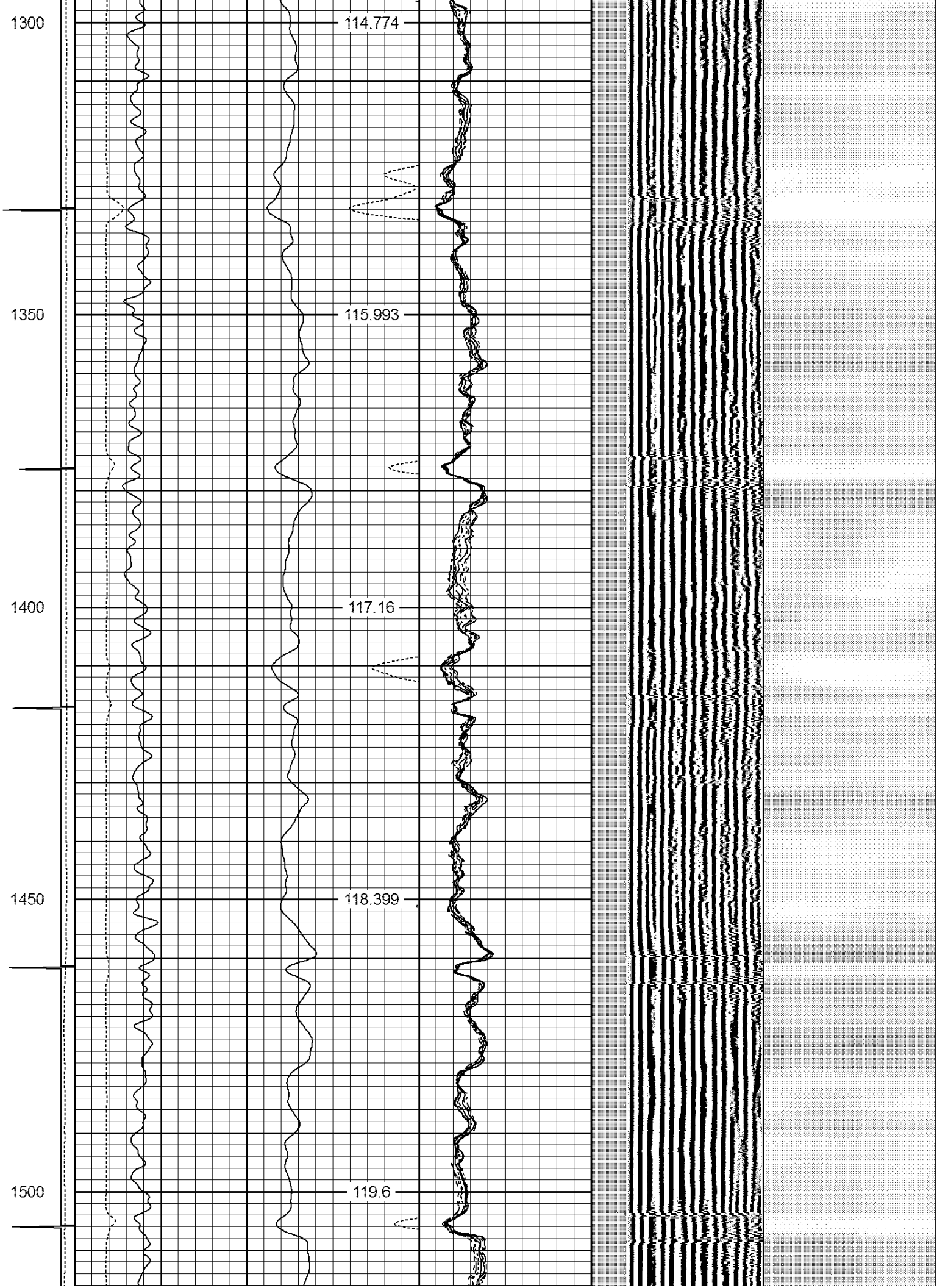
117.16

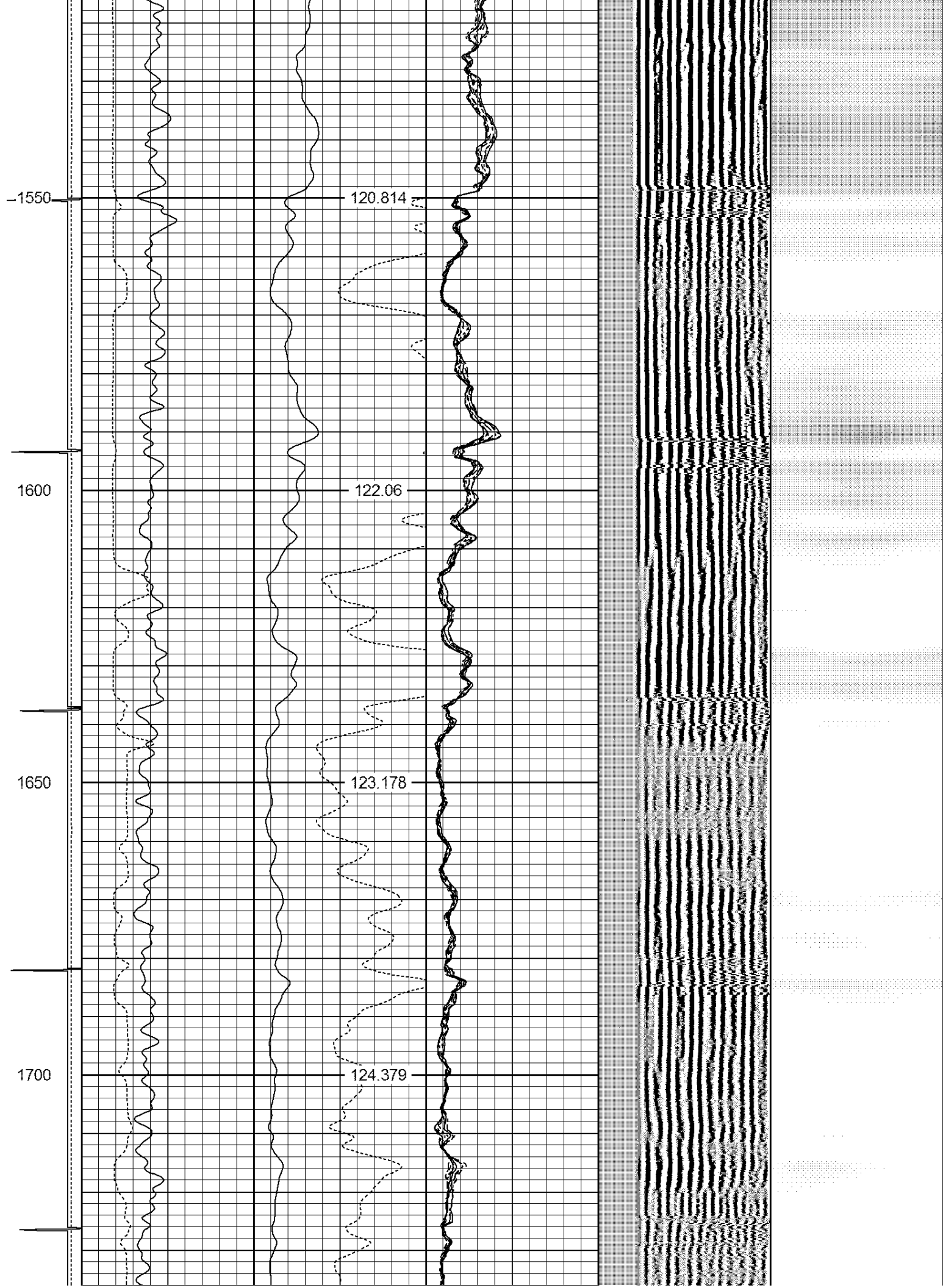
1450

118.399

1500

119.6





1750

125.55

1800

126.787

1850

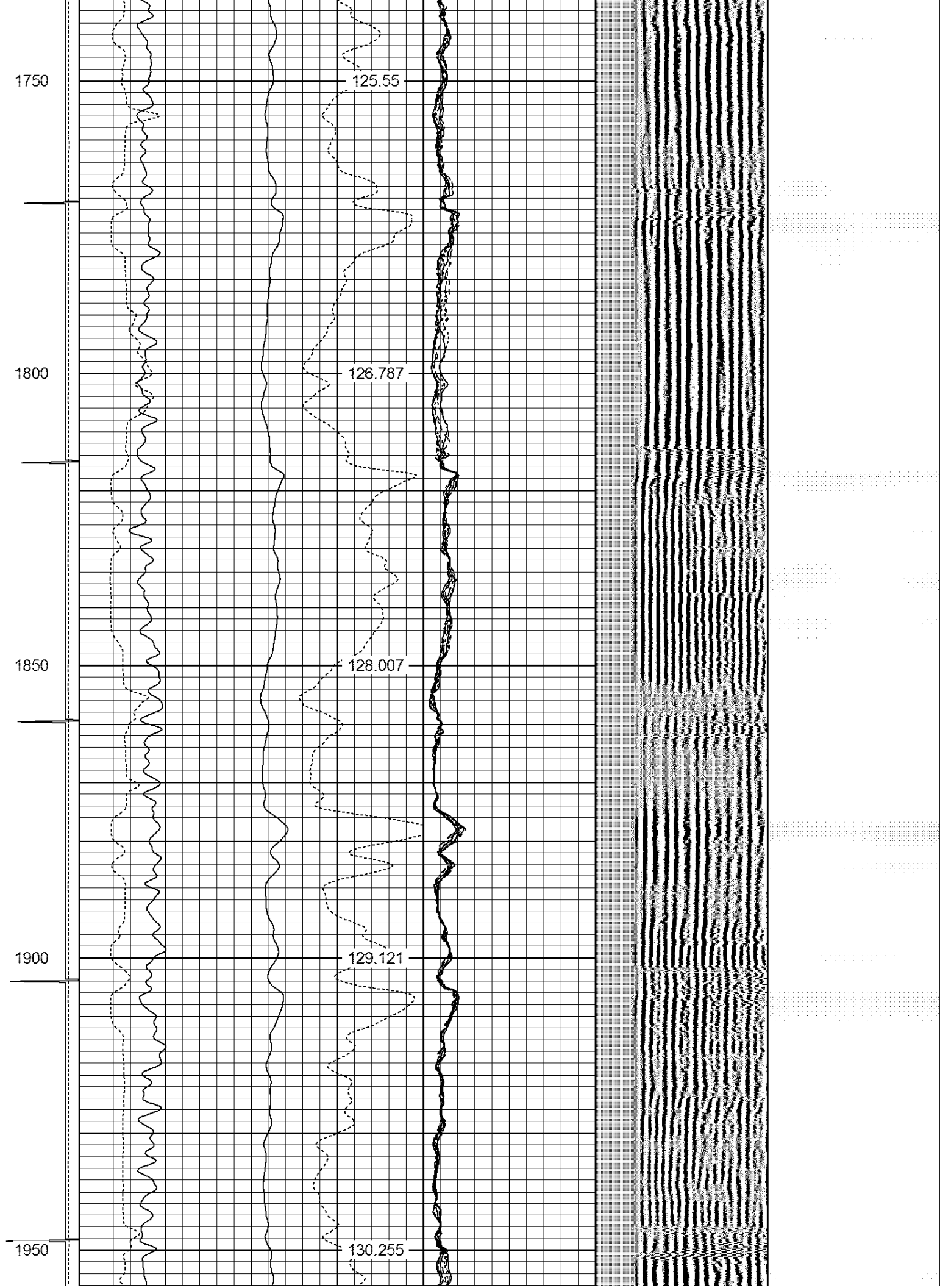
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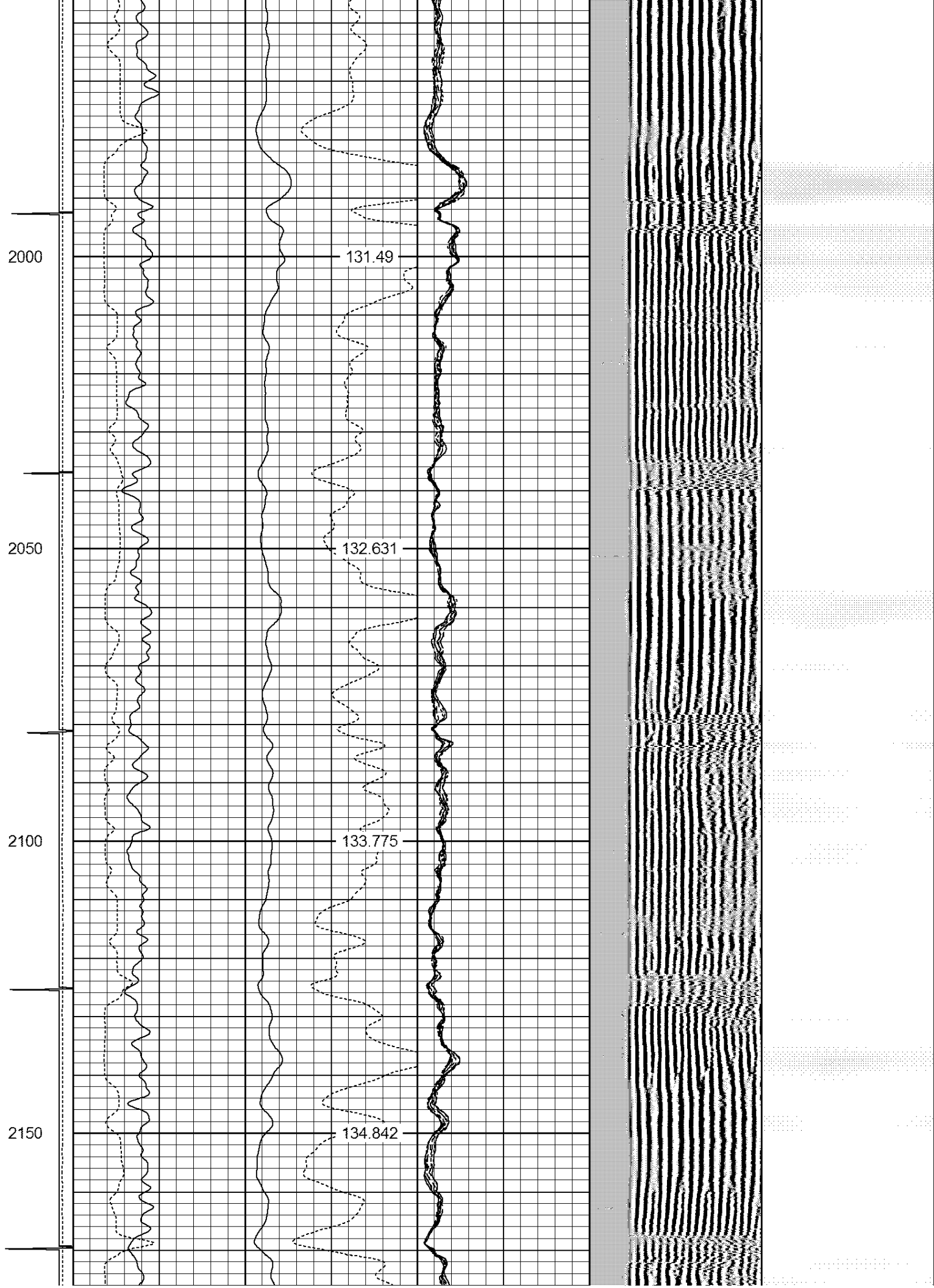
1900

129.121

1950

130.255





2200

135.92

2250

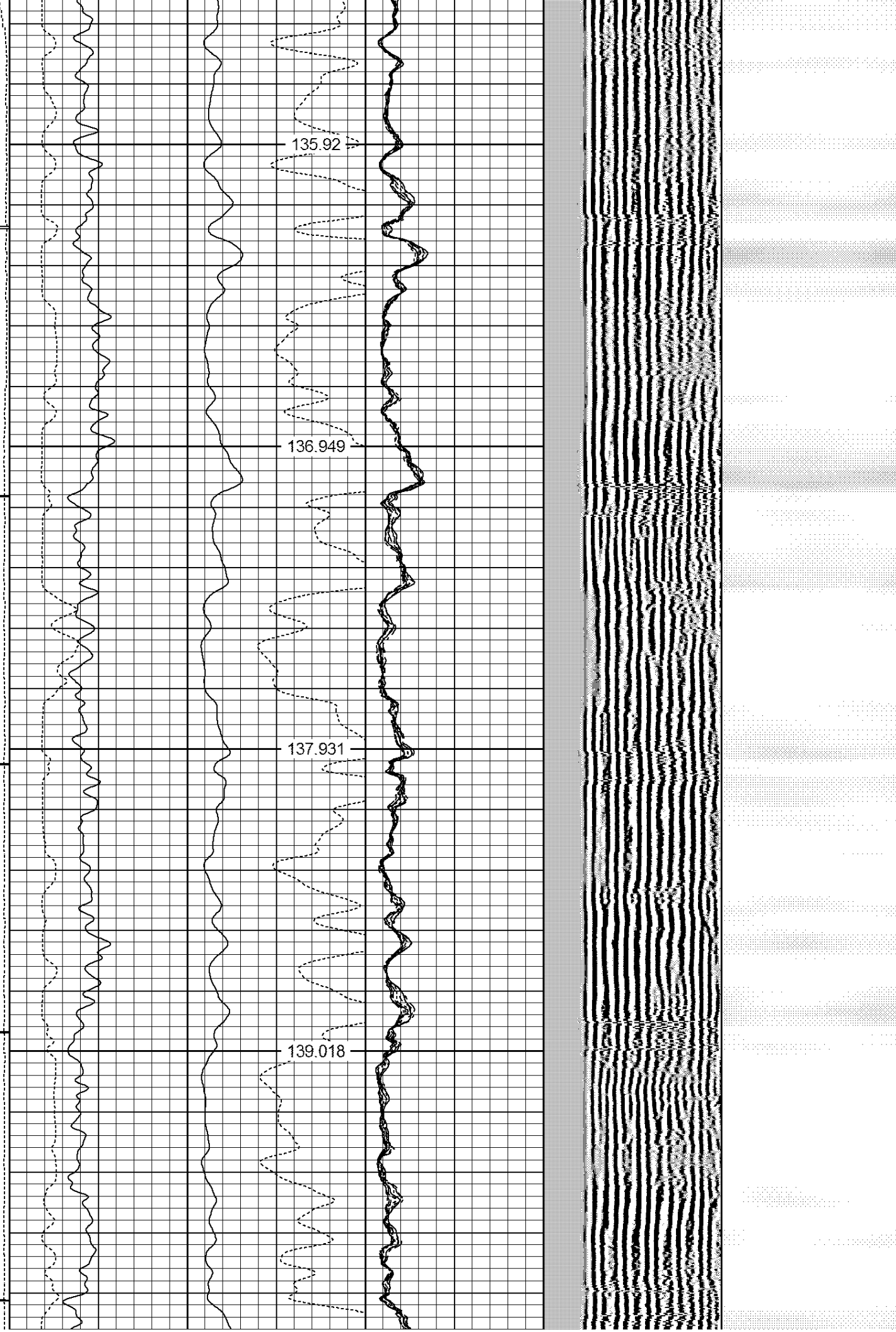
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2300

137.931

2350

139.018



2400

140.097

2450

141.111

2500

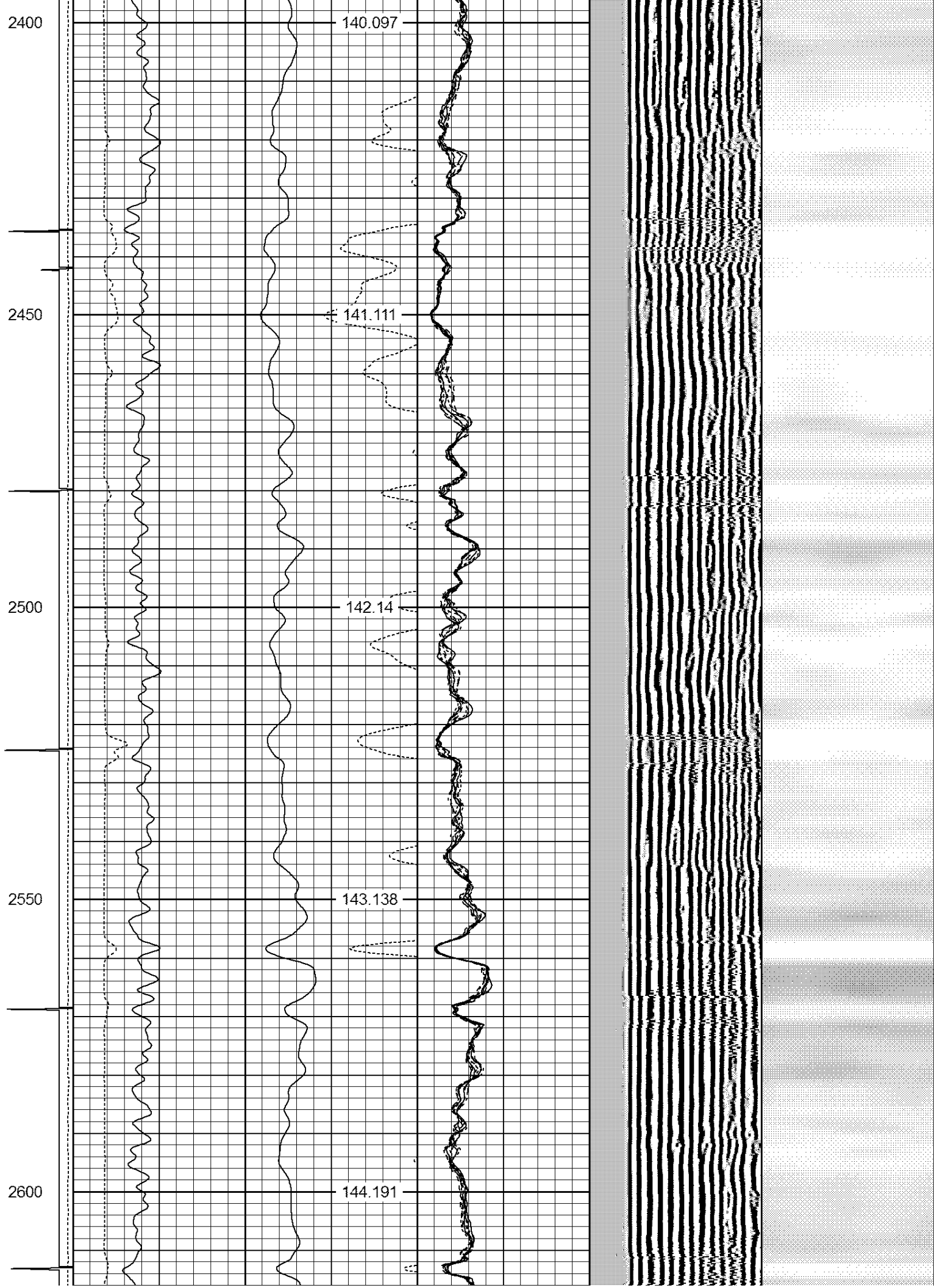
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2550

143.138

2600

144.191



2650

145.161

2700

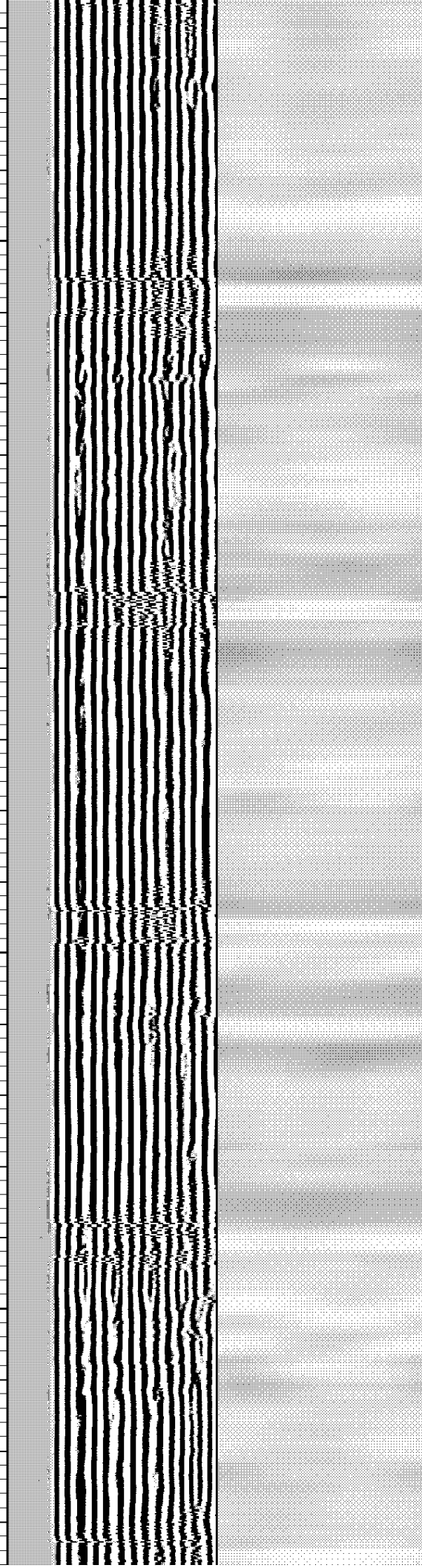
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2750

147.333

2800

148.459



2850

149.467

2900

150.592

2950

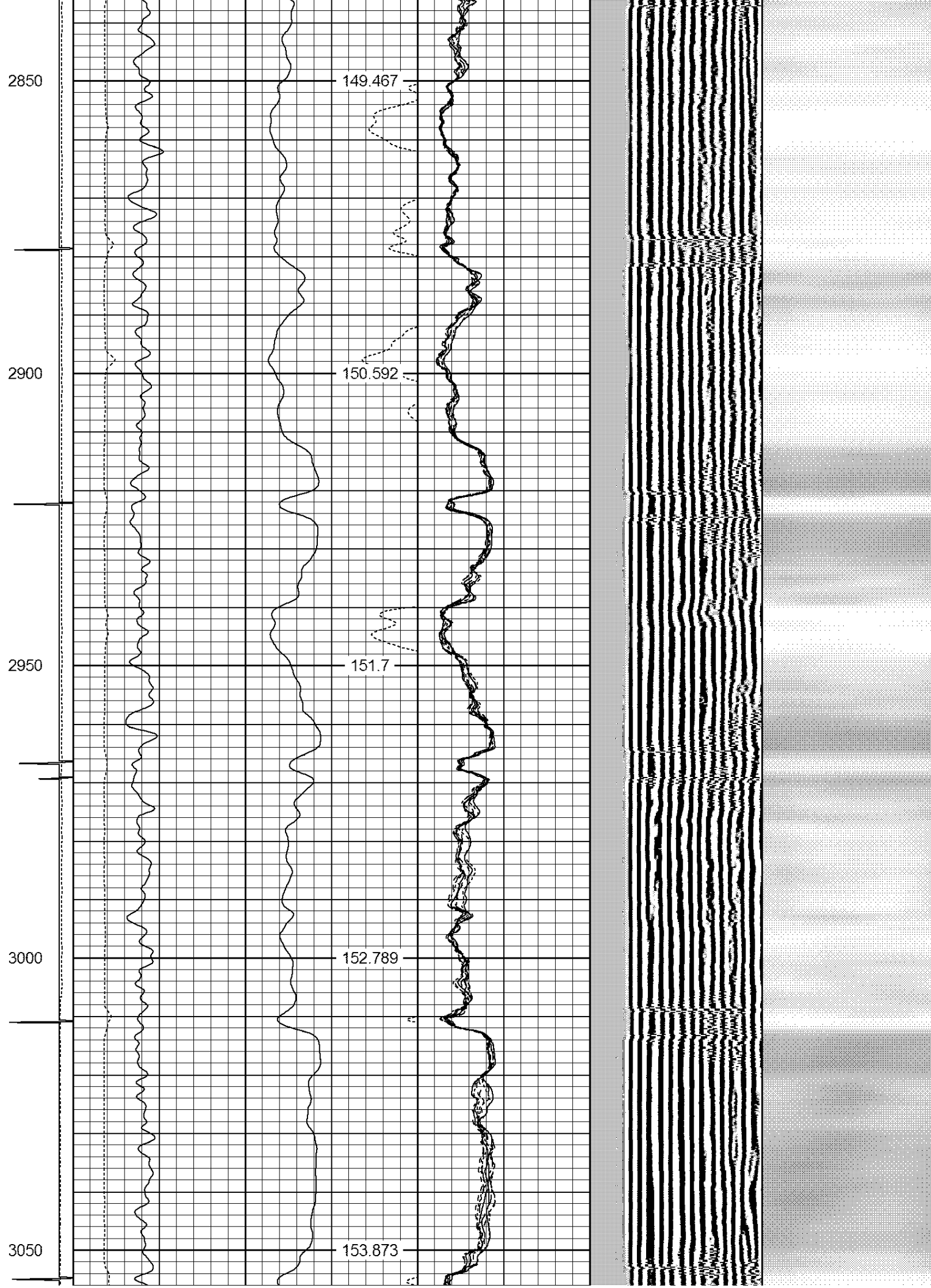
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152.789

3050

153.873



3100

154.99

3150

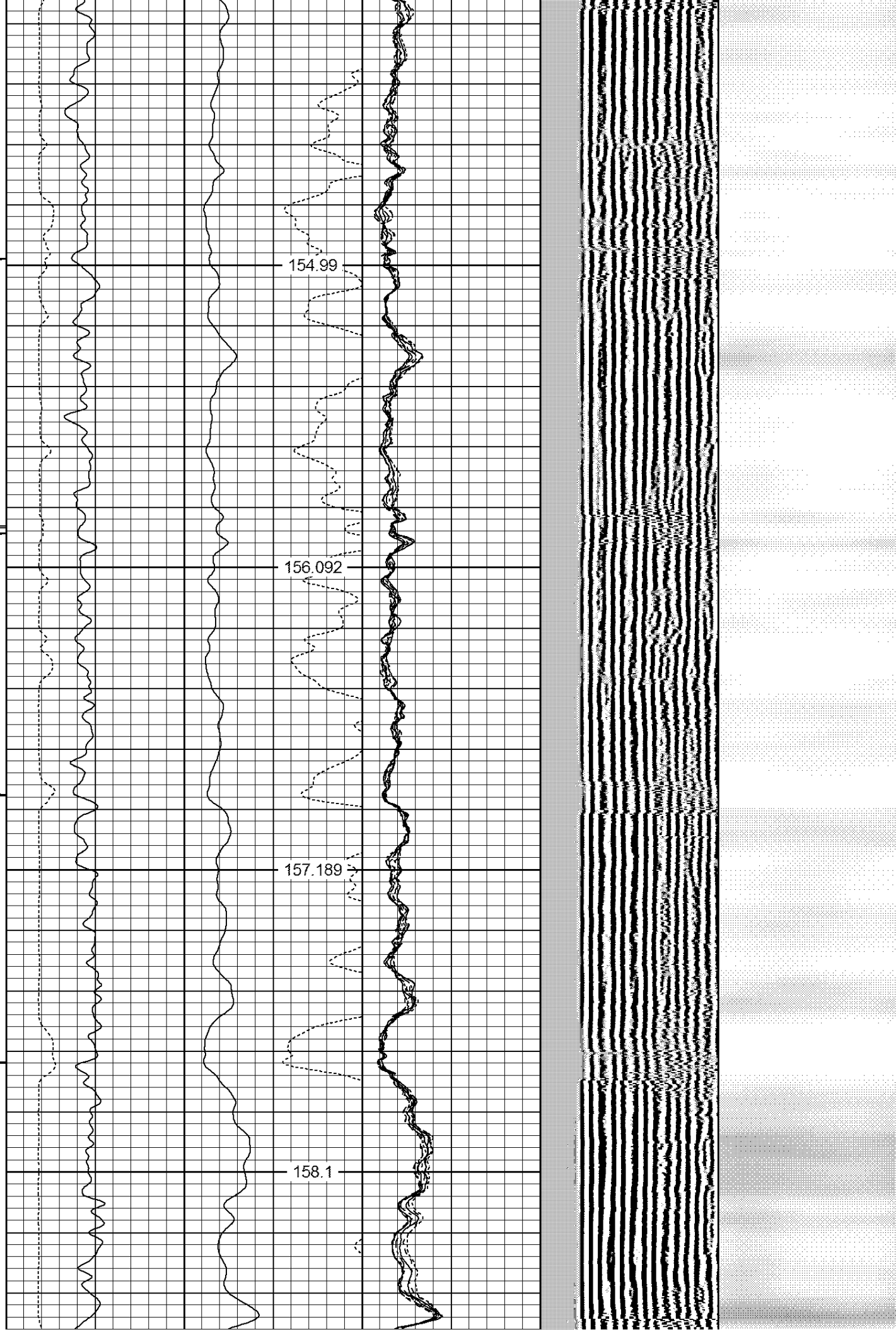
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3200

157.189

3250

158.1



3300

159.052

3350

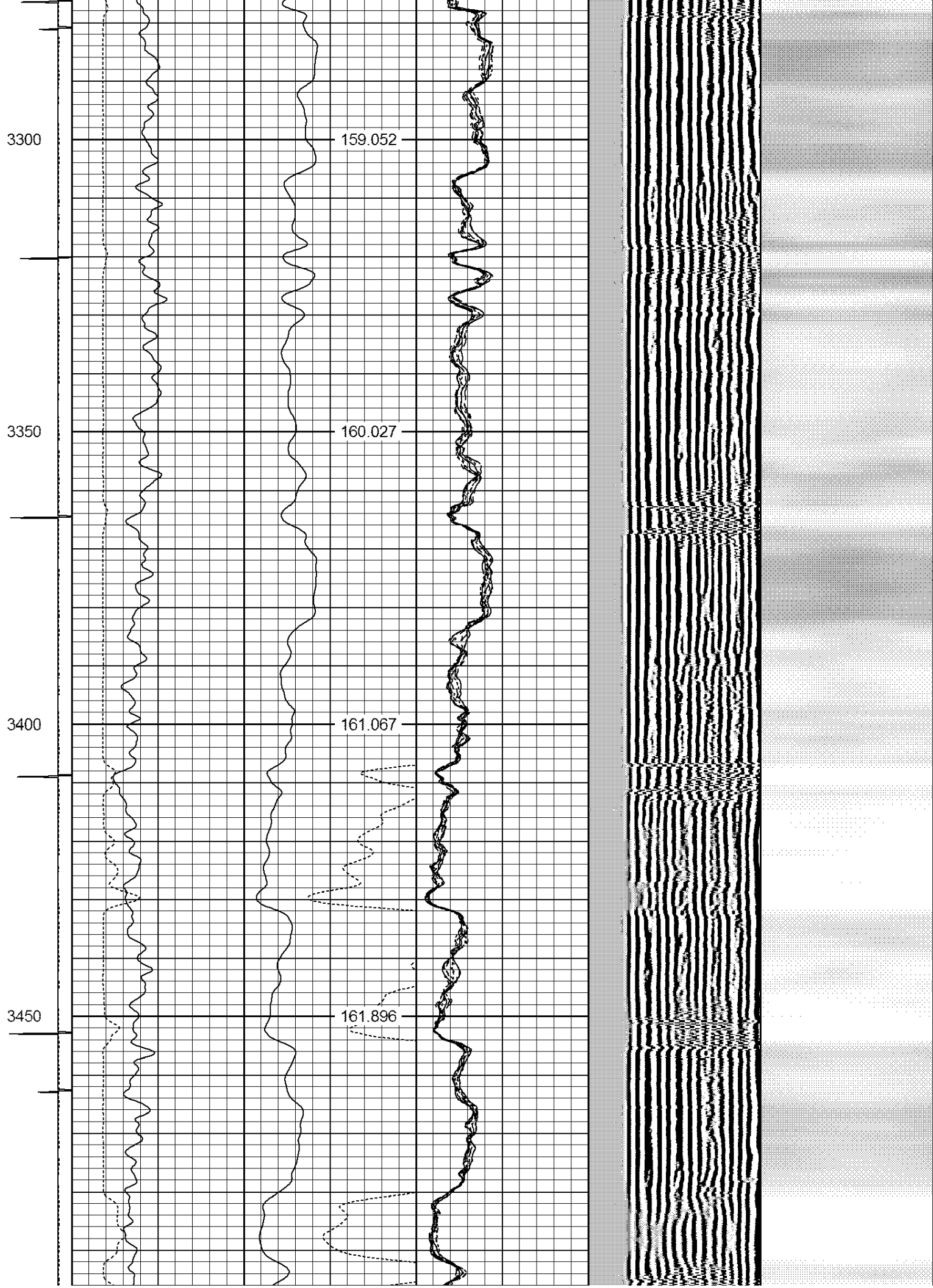
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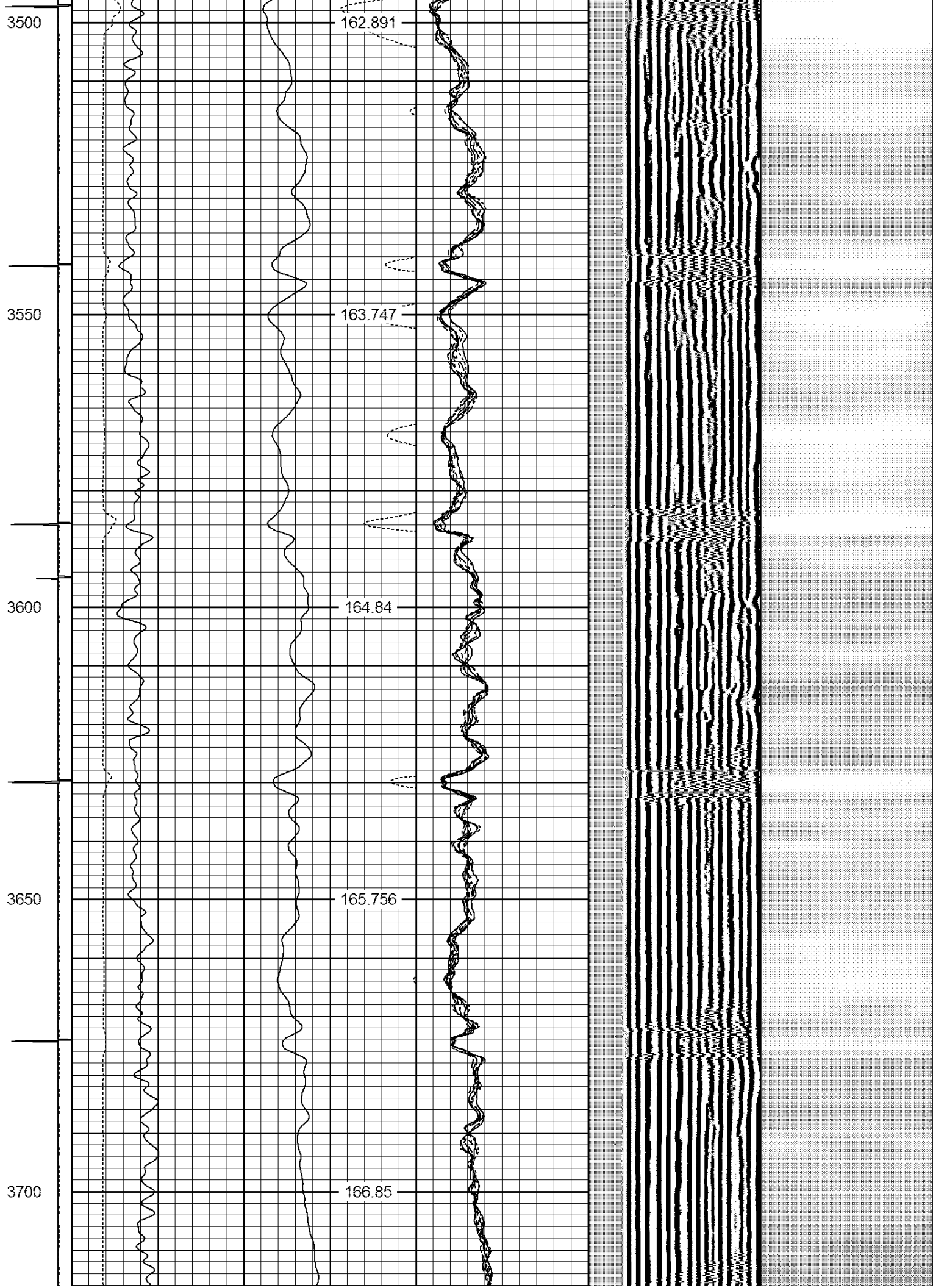
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3450

161.896





3750

167.866

3800

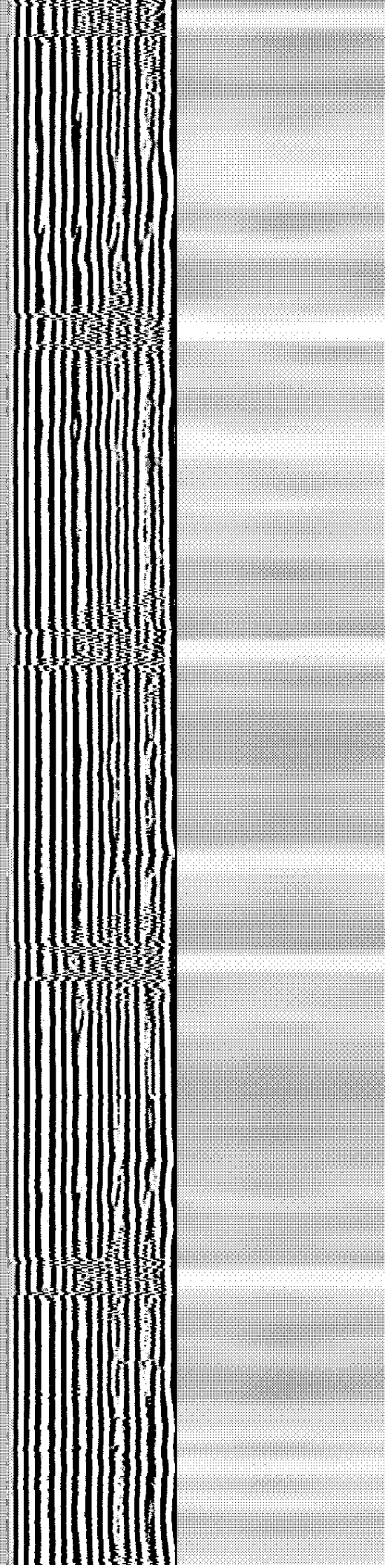
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3900

170.892



3950

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172.91

4050

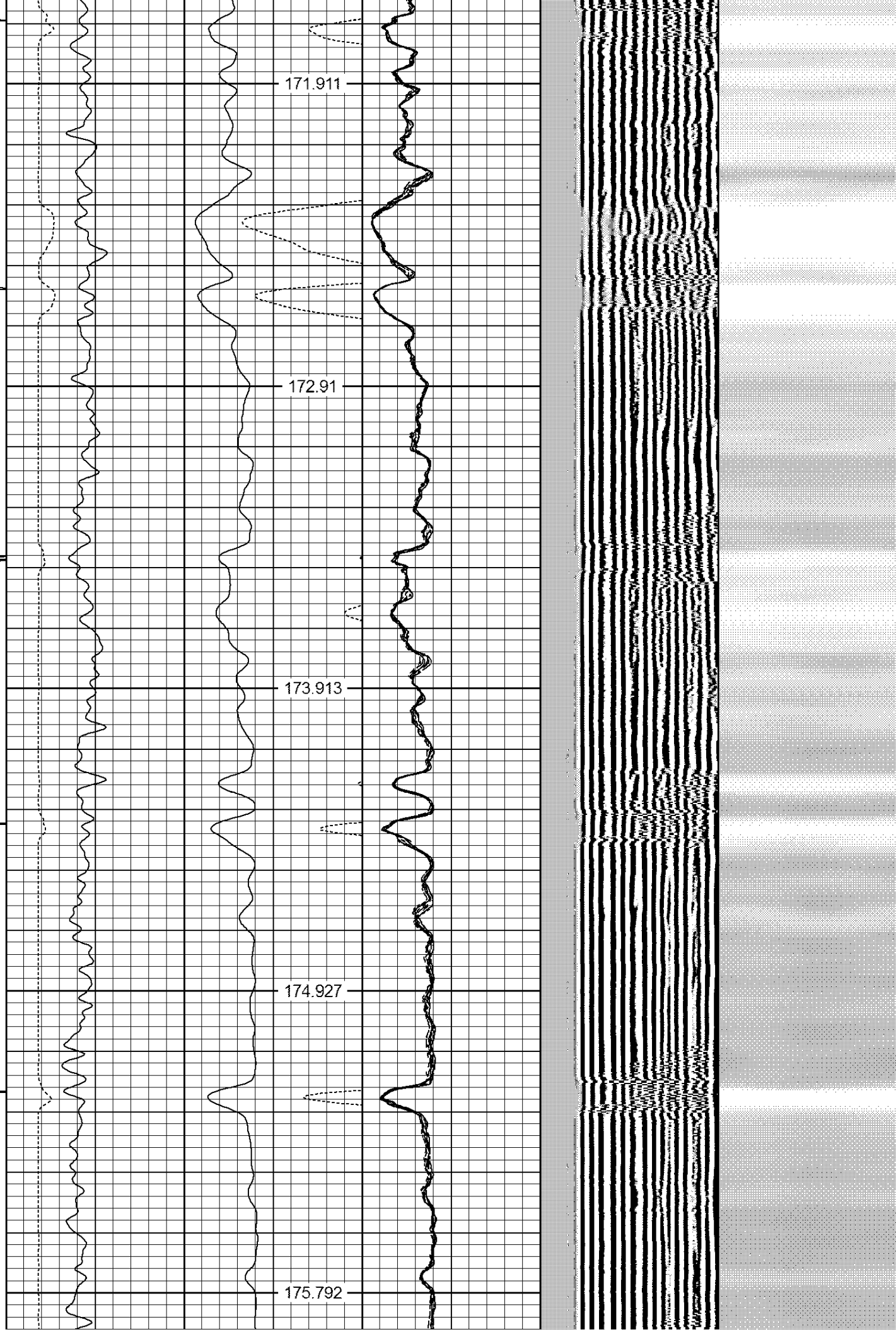
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174.927

4150

175.792



4200

176.801

4250

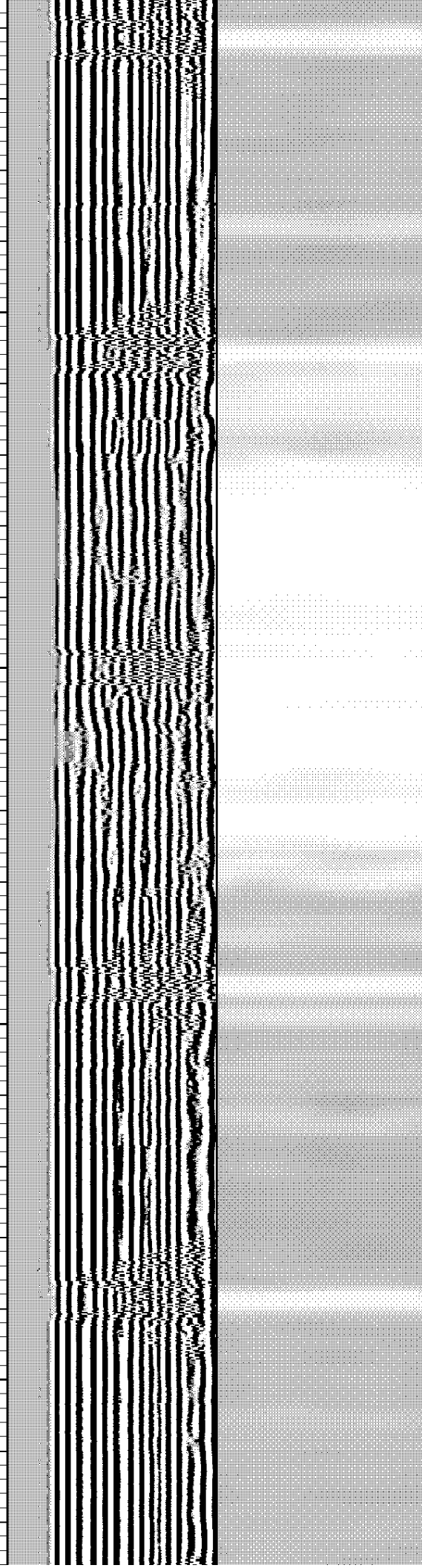
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4300

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4350

179.6



4400

180.555

4450

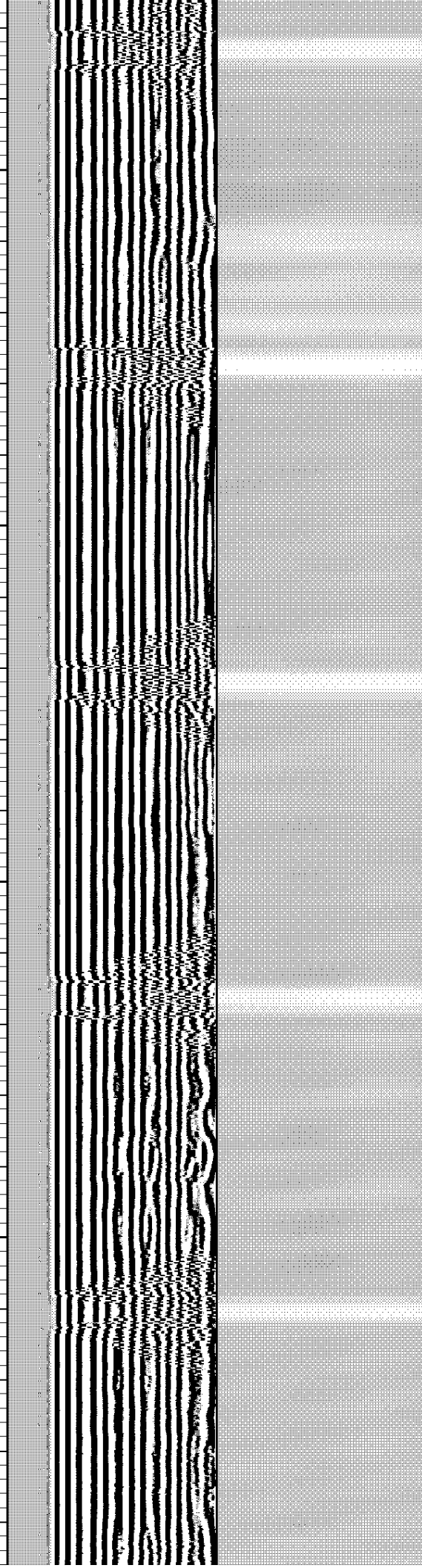
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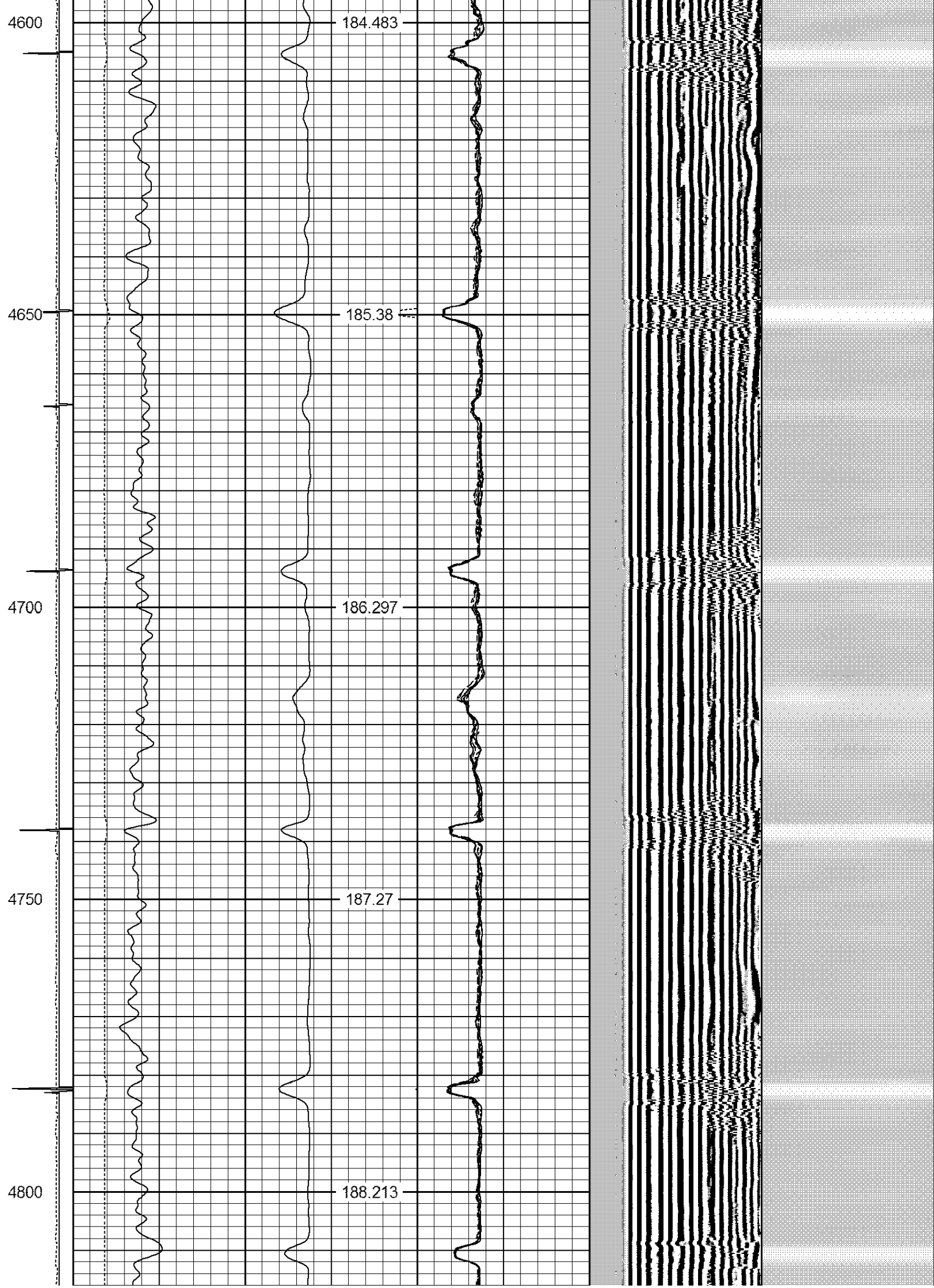
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4550

183.471





4850

189.127

4900

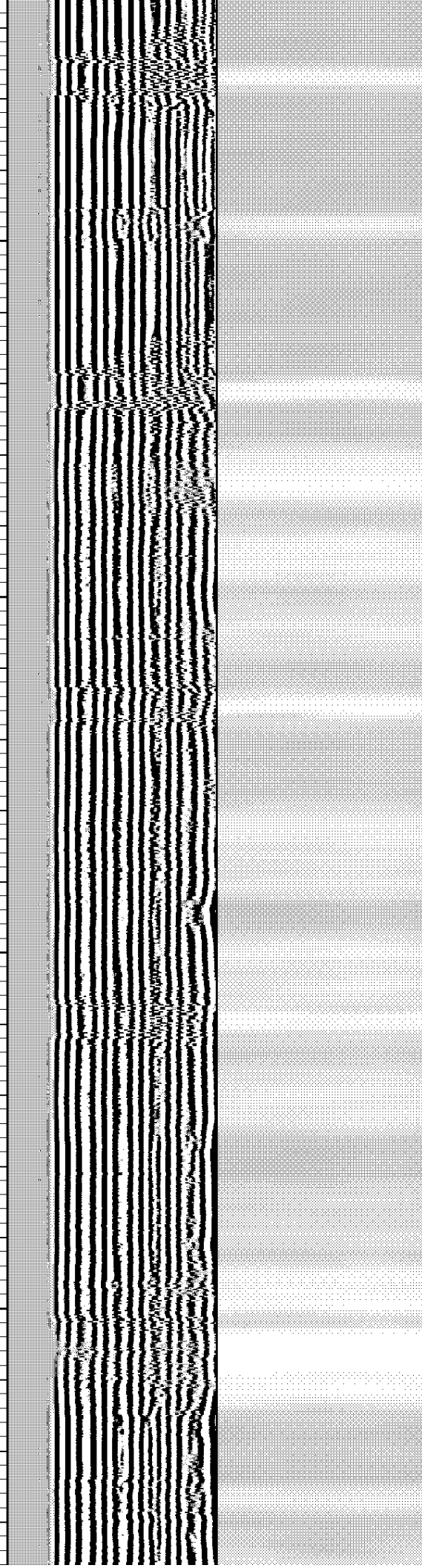
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4950

191.031

5000

191.912



5050

192.639

5100

193.472

5150

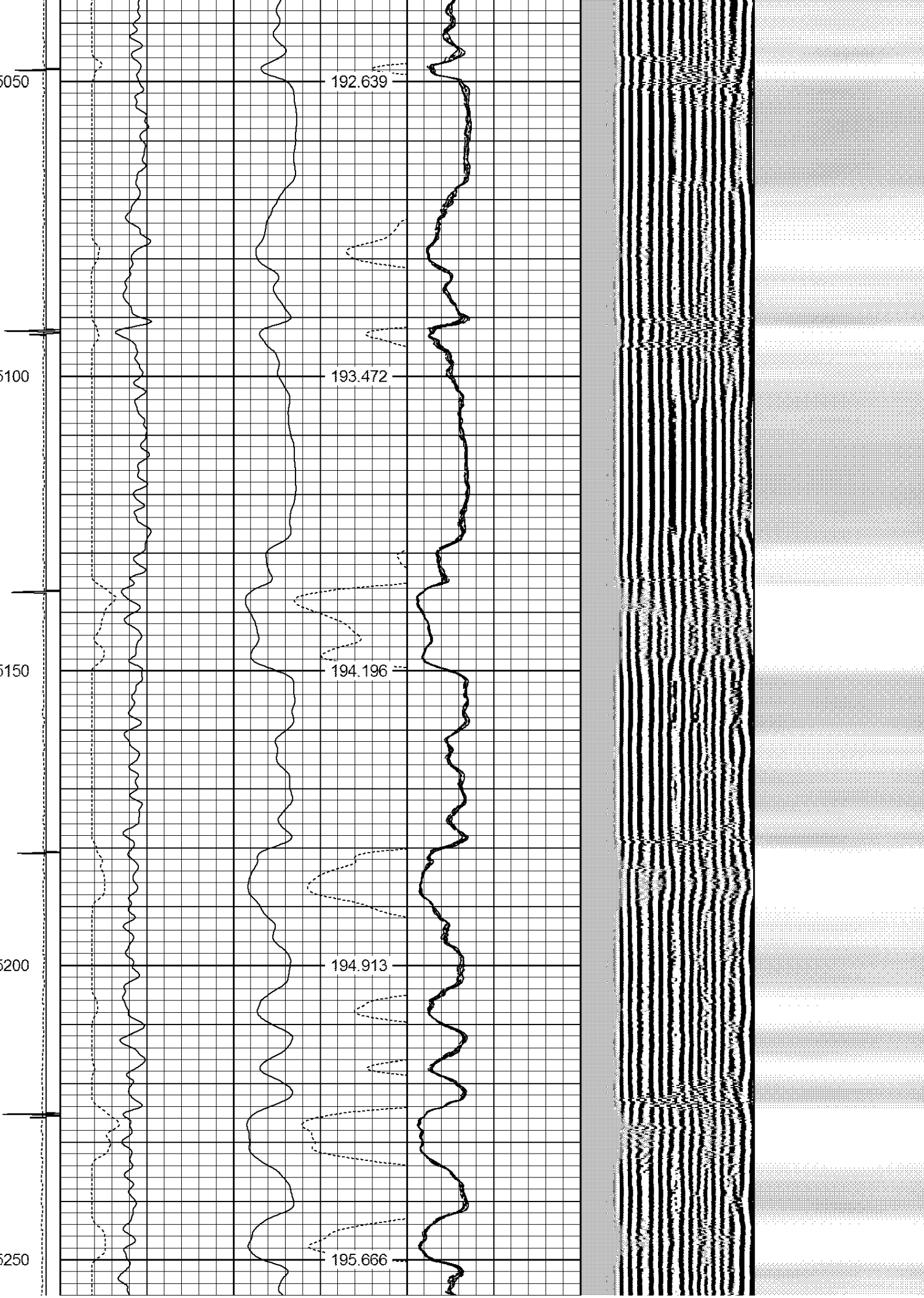
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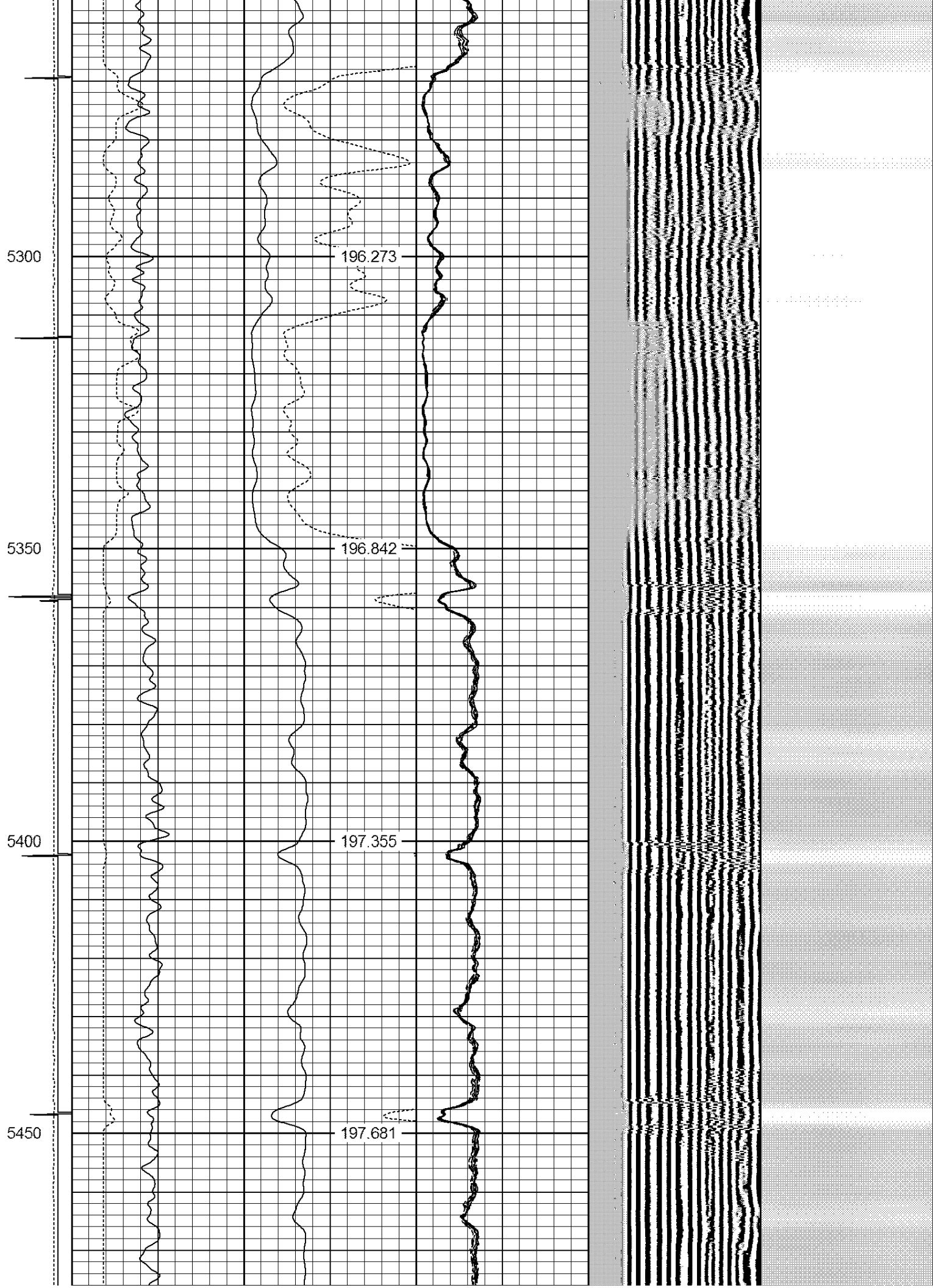
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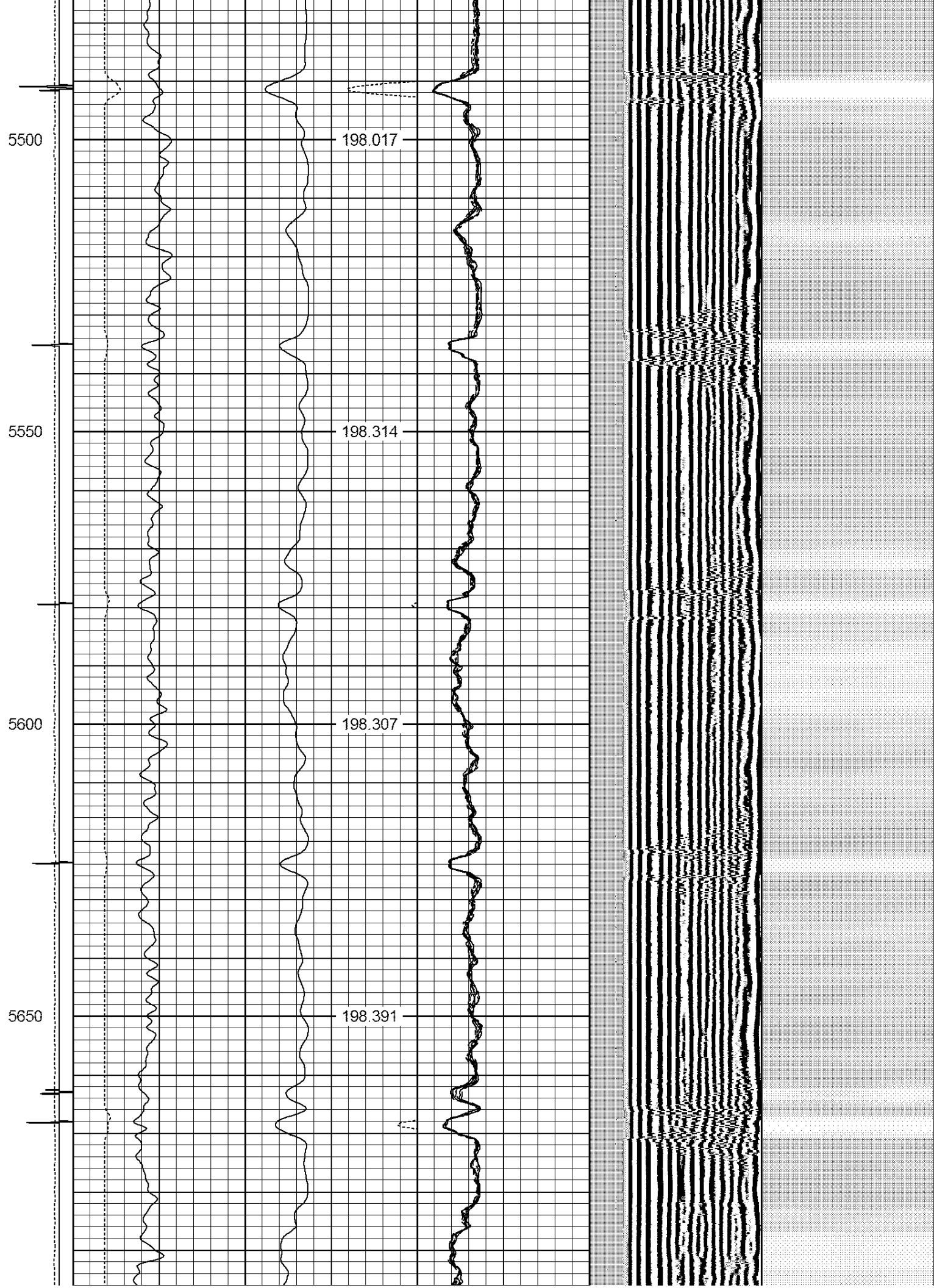
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5250

195.666







5700

198.39

5750

198.172

5800

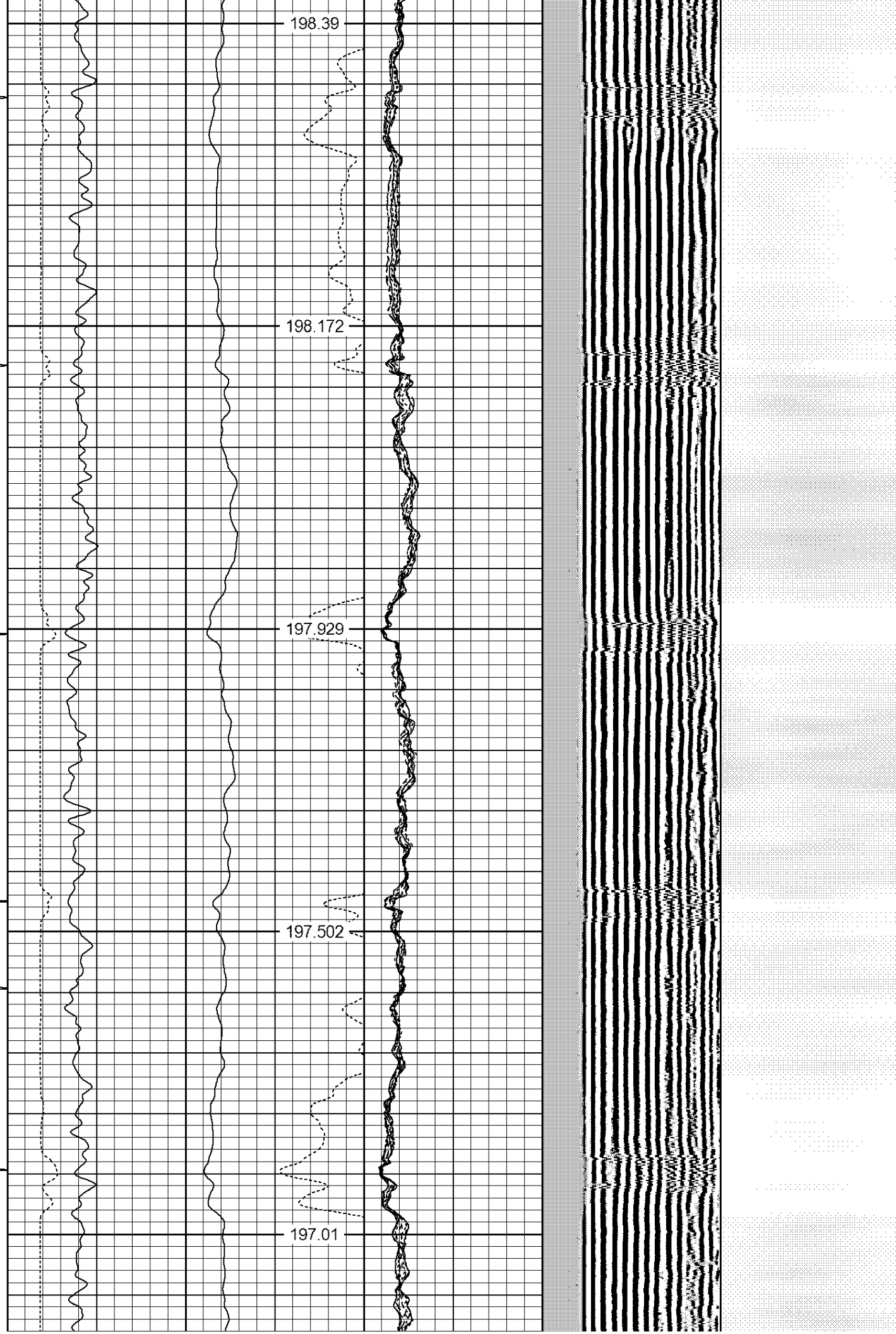
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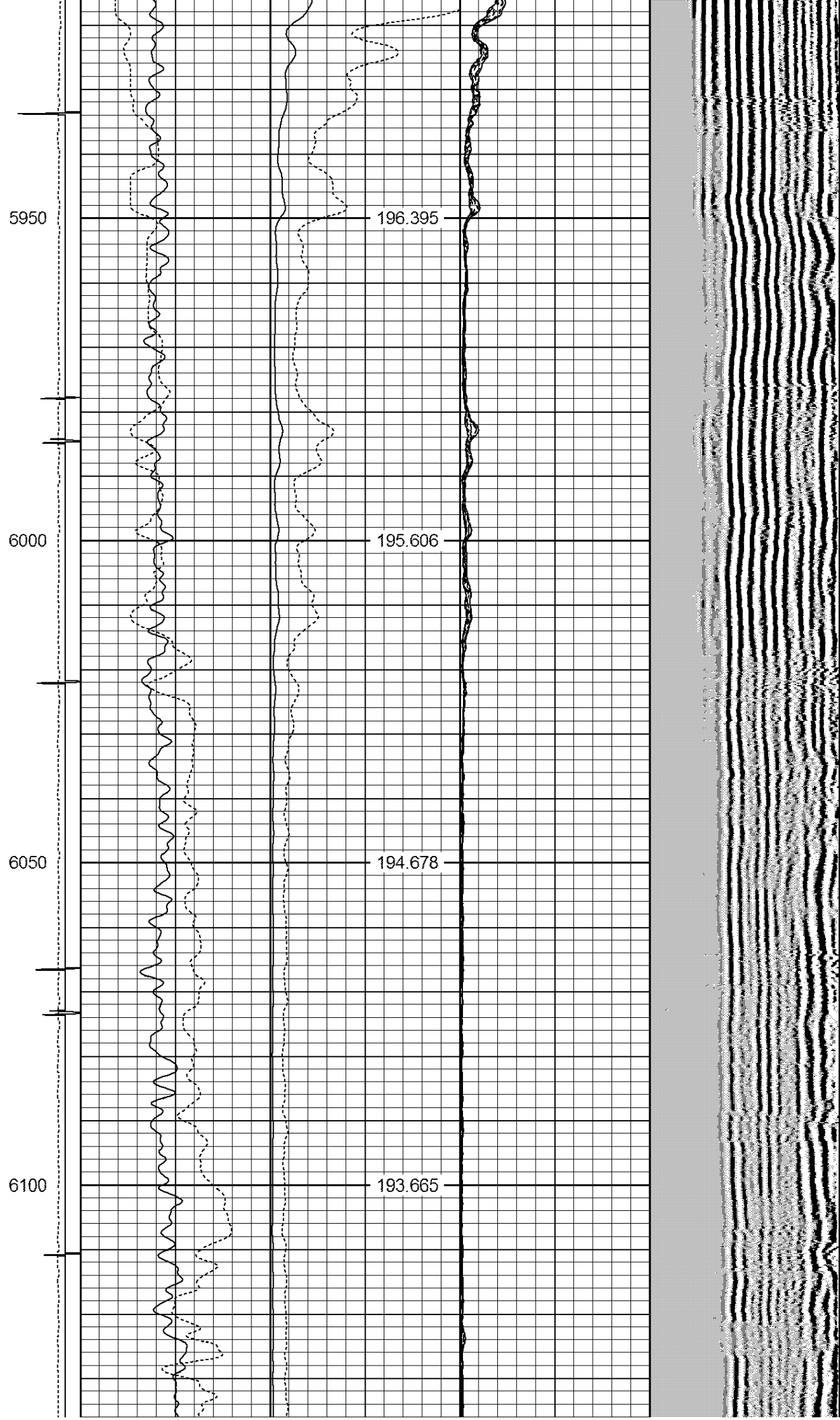
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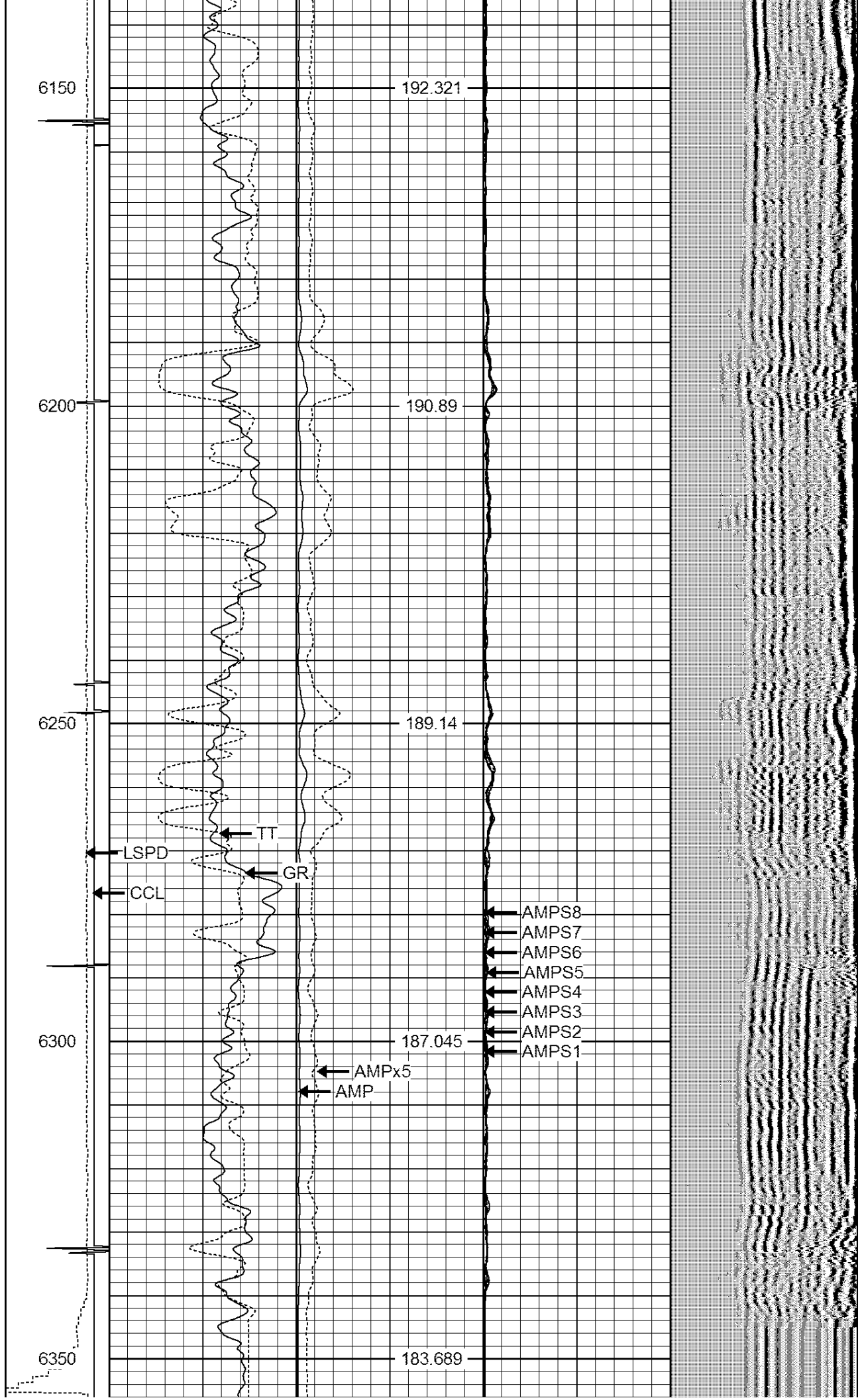
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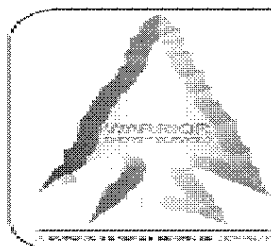
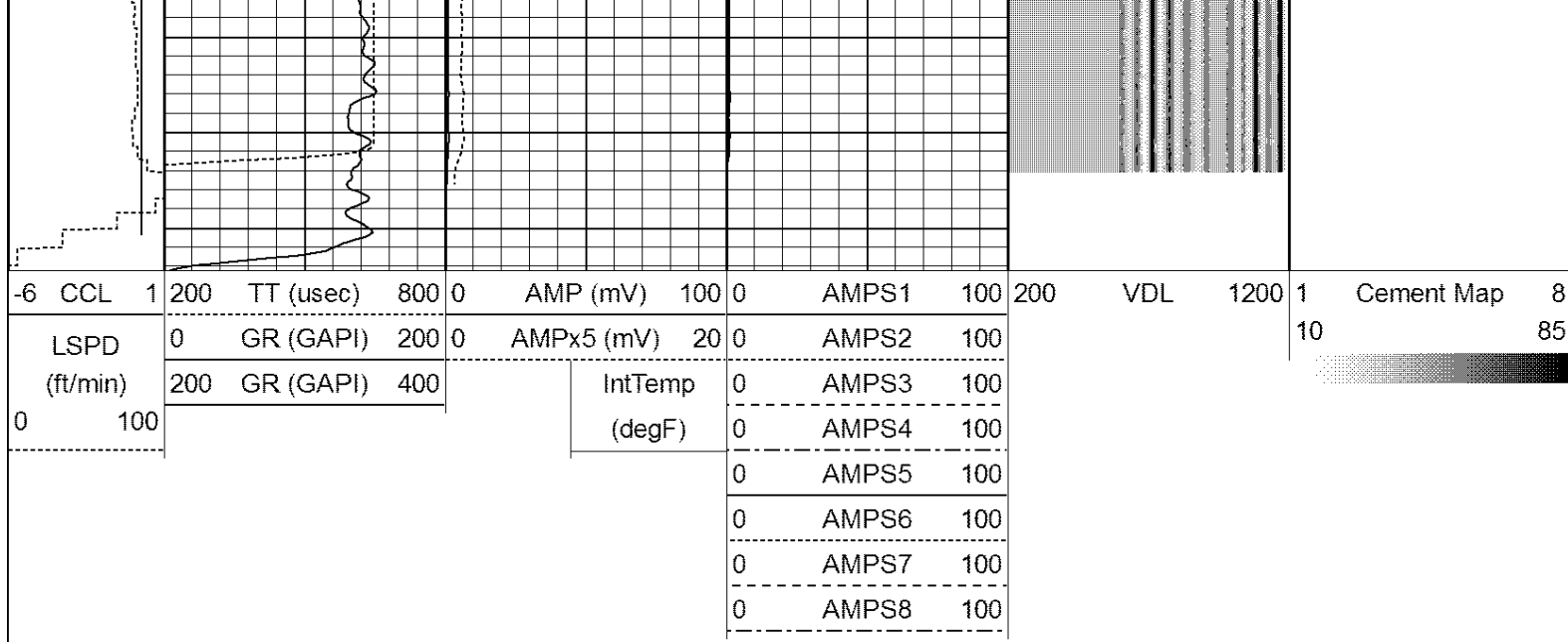
5900

197.01









WARRIOR
ENERGY SERVICES

Company Bonanza Creek Energy
Well State Antelope 14-11-28HNB
Field WATTENBERG
County WELD
State CO