



# TEMPERATURE LOG

Company	CYNOSURE ENERGY LLC.
Well	PWD FEDERAL 21-6-91
Field	KOKOPELLI
County	GARFIELD
State	COLORADO
Location:	AP# : 05-045-21277-0000
SEC: 21 TWP: 6S RGE: 91W	SHL 880' FSL & 1831' FEL
Permanent Datum	GROUND LEVEL Elevation 7009.5'
Log Measured From	KELLY BUSHING = 22 FT
Drilling Measured From	KELLY BUSHING
Other Services	NONE
Elevation	K.B. 7032' D.F. 7031' G.L. 7009.5'

Date	10-3-2014						
Run Number	ONE						
Depth Driller	9080'						
Depth Logger	4010'						
Bottom Logged Interval	4010'						
Top Log Interval	SURFACE						
Open Hole Size	8.750"						
Type Fluid	WATER						
Density / Viscosity	~8.33 LBS/GAL						
Max. Recorded Temp.	124 DEG F						
Estimated Cement Top	SEE LOG						
Time Well Ready	0900						
Time Logger on Bottom	0945						
Equipment Number	WL 066						
Location	GRAND JUNCTION						
Recorded By	M. BERNATCHEZ						
Witnessed By	P. BLACKMER						
Borehole Record				Tubing Record			
Run Number	Bit	From	To	Size	Weight	From	To
ONE	13.50"	SURFACE	1515'				
TWO	8.75"	1515'	9080'				
Casing Record	Size		Wgt/Ft		Top		Bottom
Surface String	9.625"		36#		SURFACE		1515'
Prot. String							
Production String	4.5"		11.6#		SURFACE		9080'
Liner							

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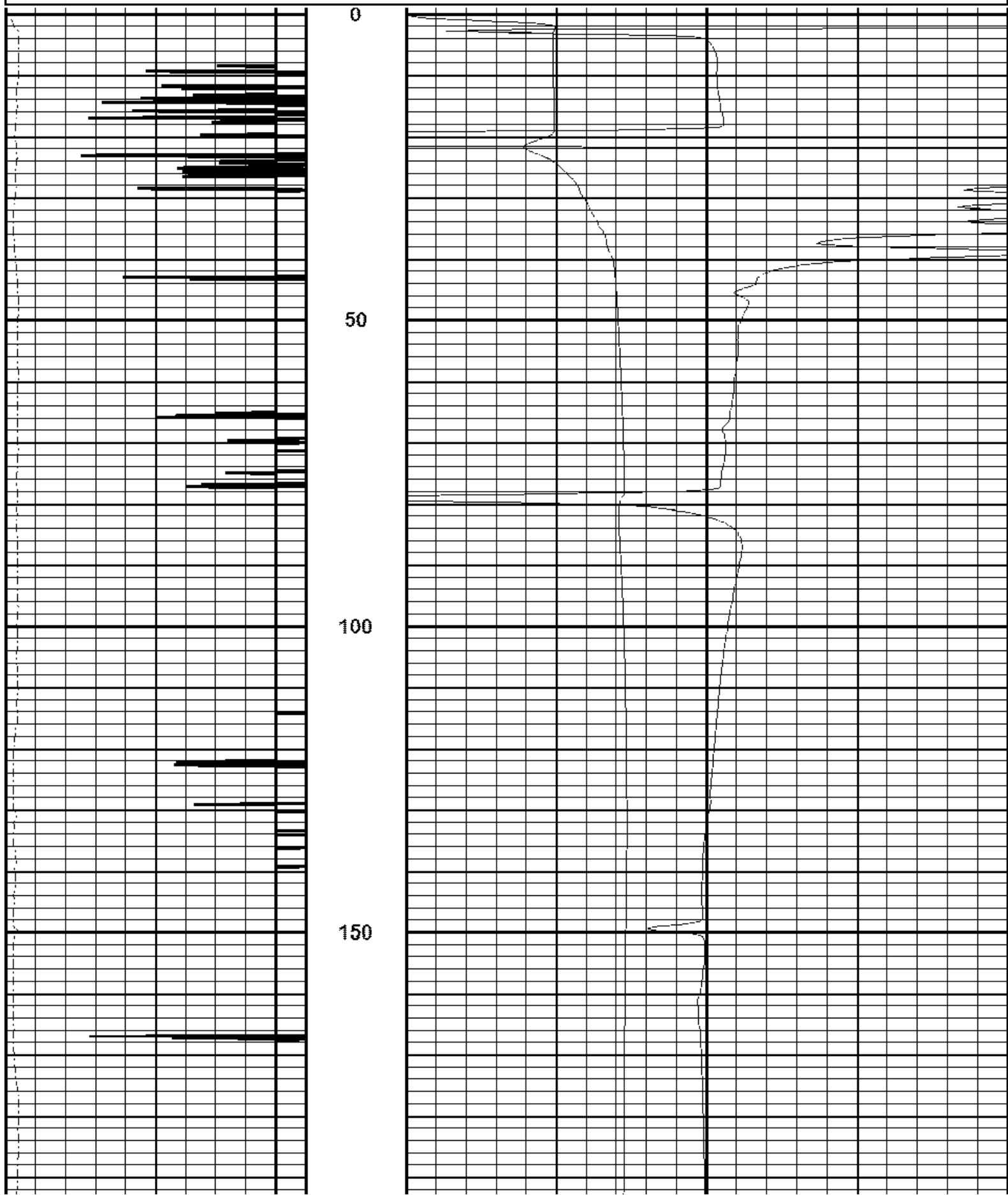
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, 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.

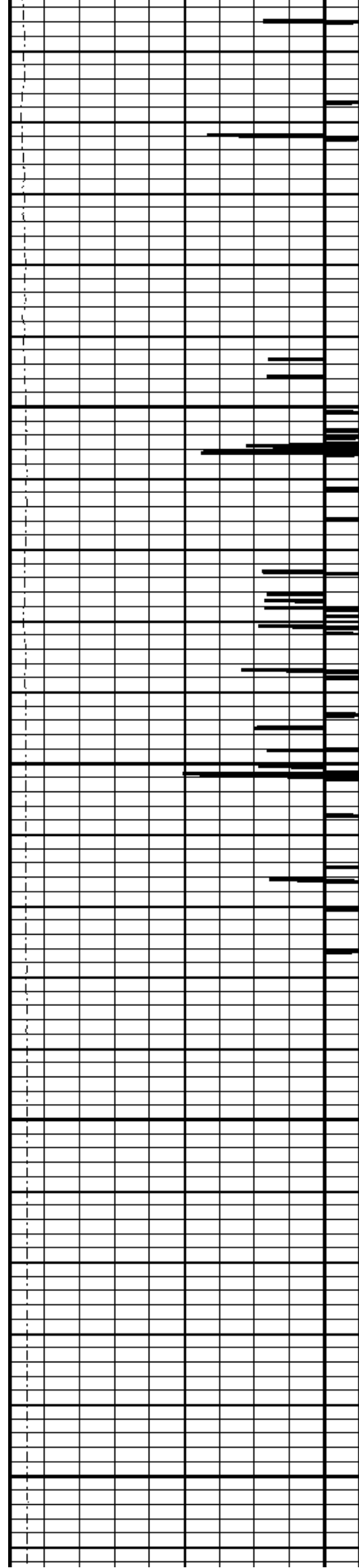
## Comments

NO LOG AVAILABLE FOR CORRELATION.

Database File: federal 21-6-91.db  
Dataset Pathname: pass2  
Presentation Format: temp  
Dataset Creation: Mon Oct 06 09:20:51 2014

9	CCL	-1	0	TEMP (degF)	200
0	LTEN (lb)	5000	-1	DTMP (degF)	1





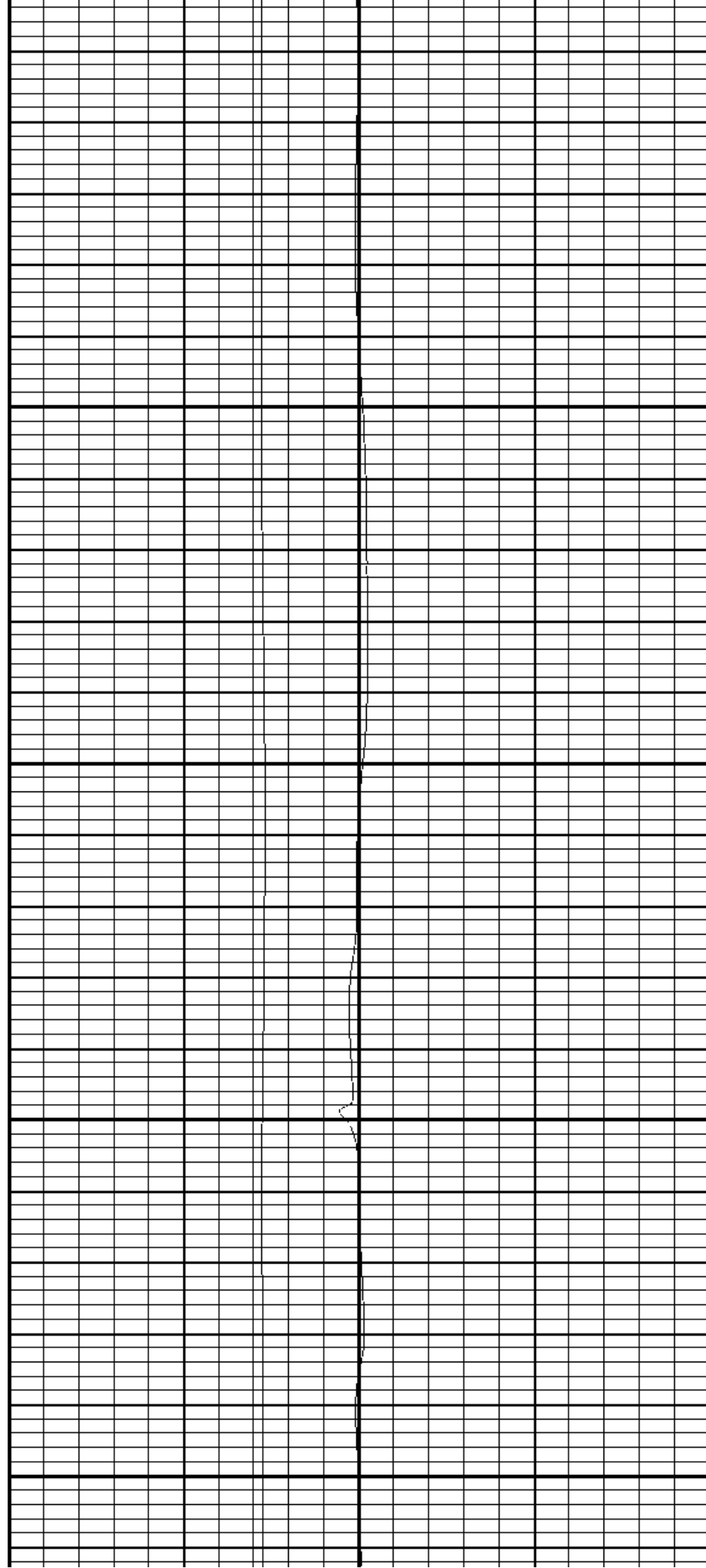
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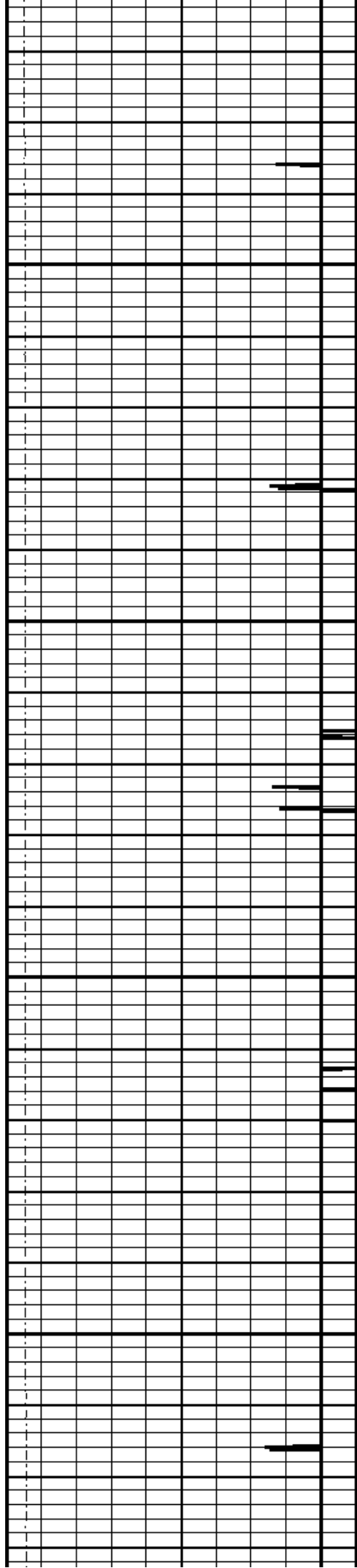
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300

350

400



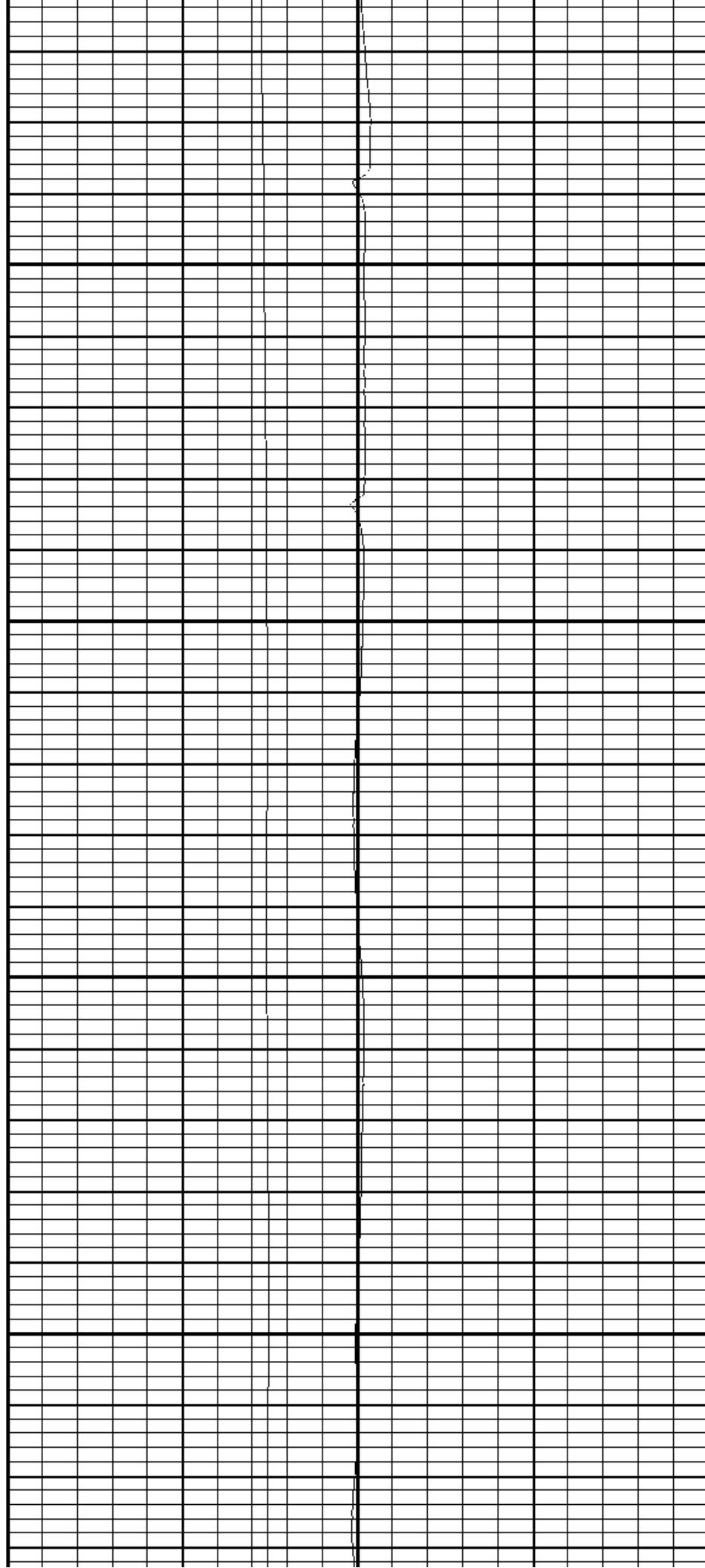


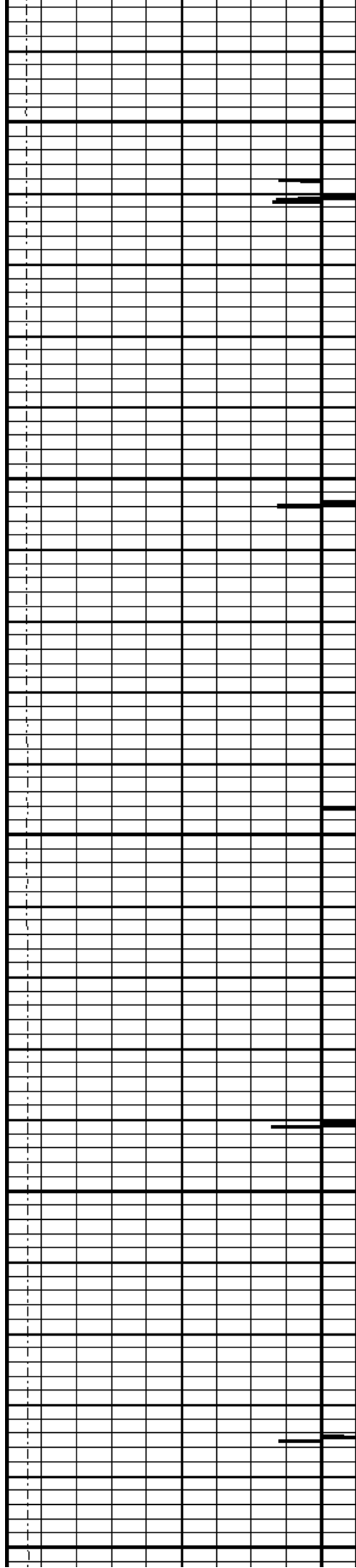
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500

550

600





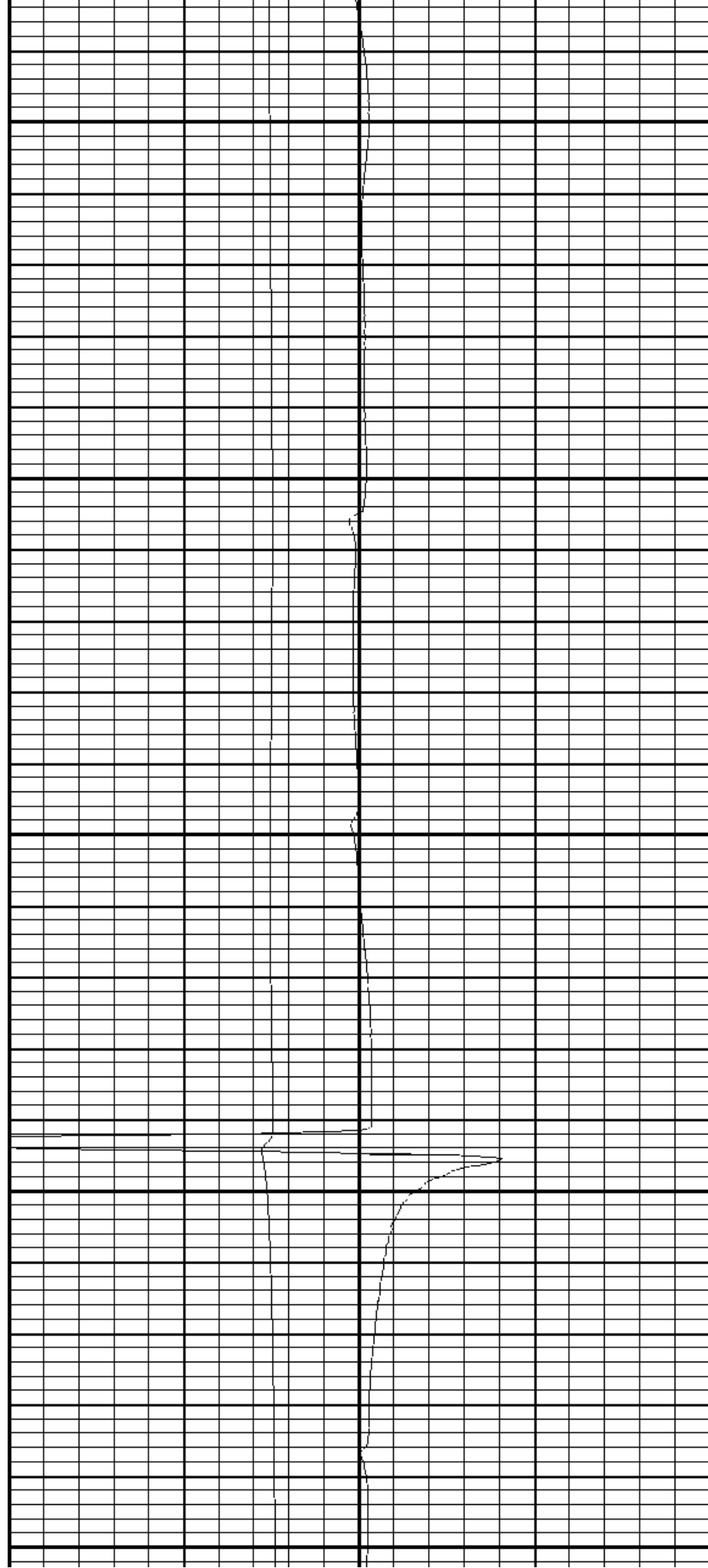
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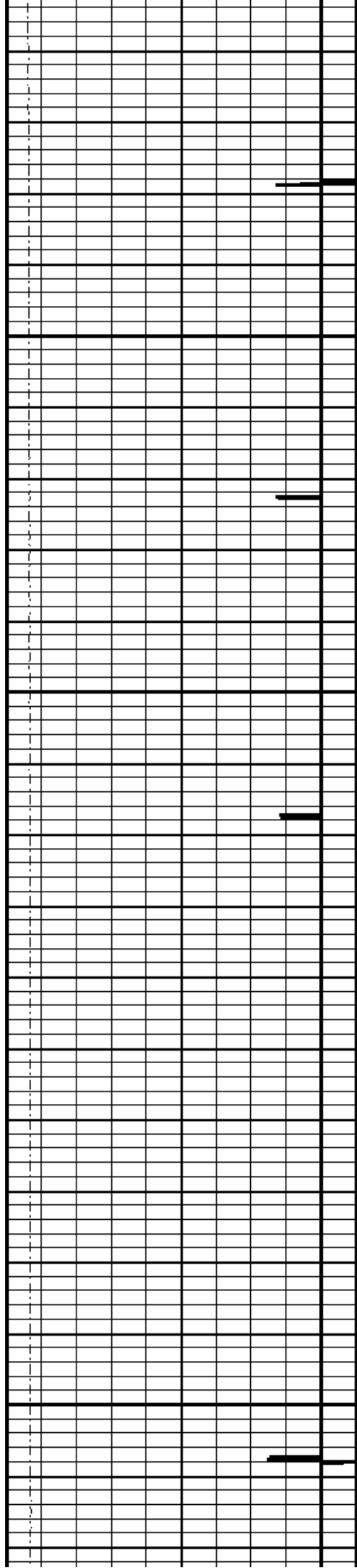
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750

800

850



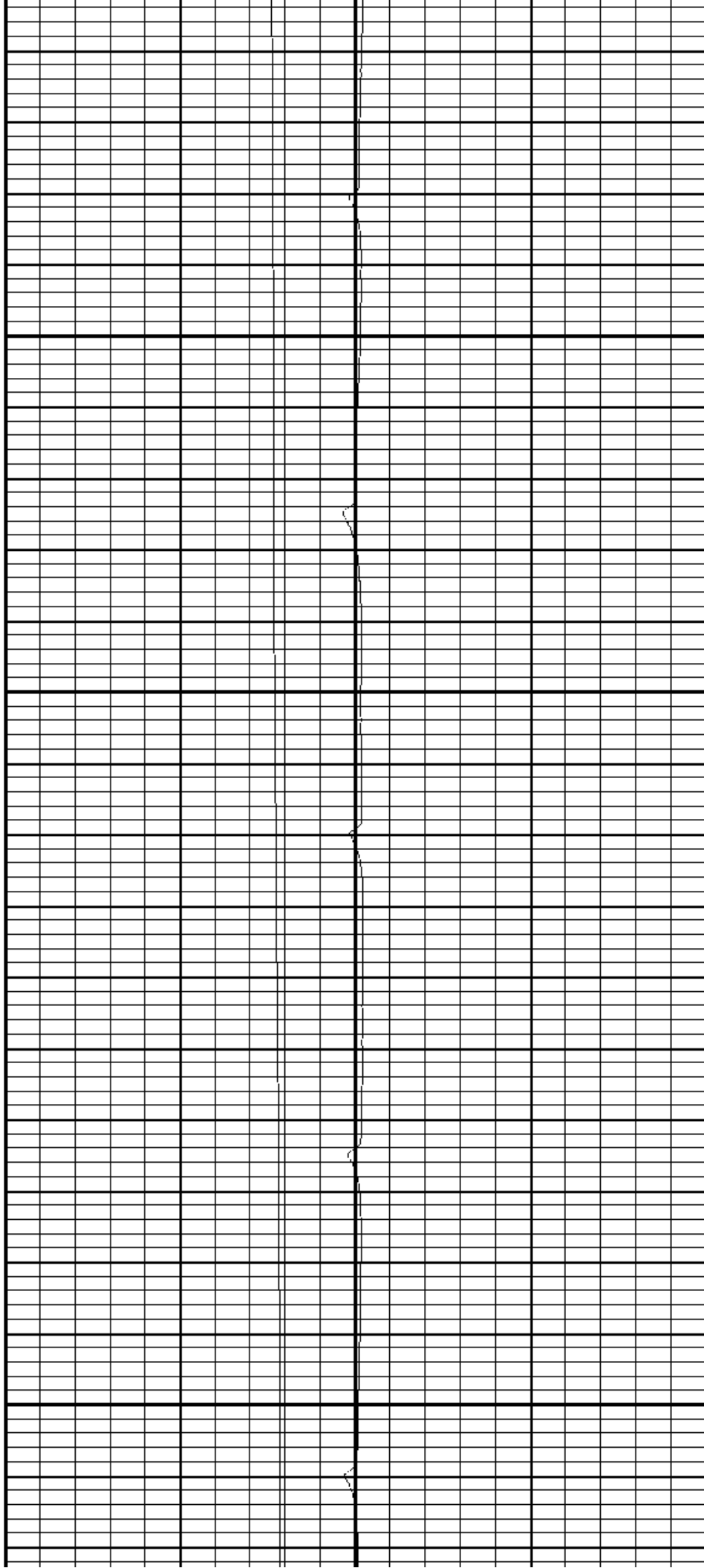


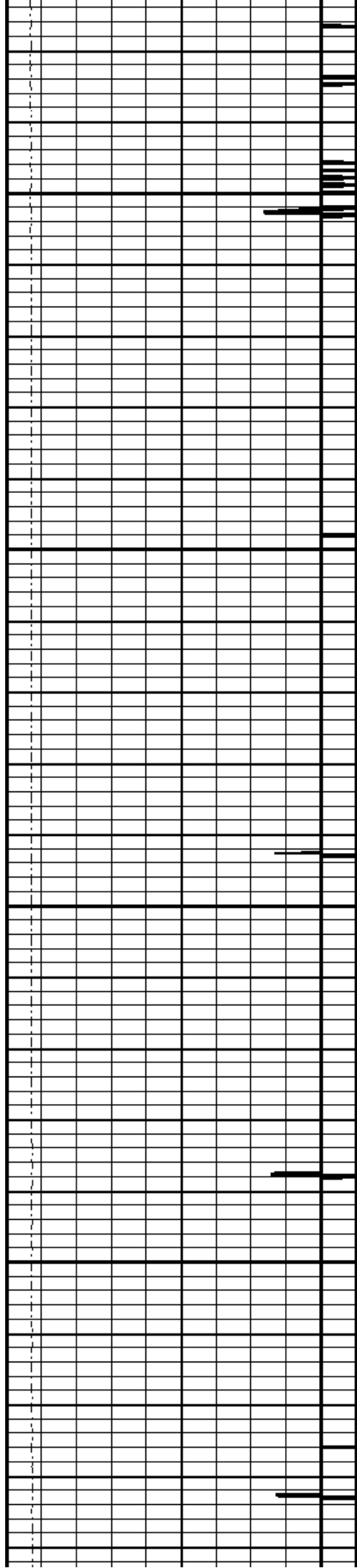
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950

1000

1050



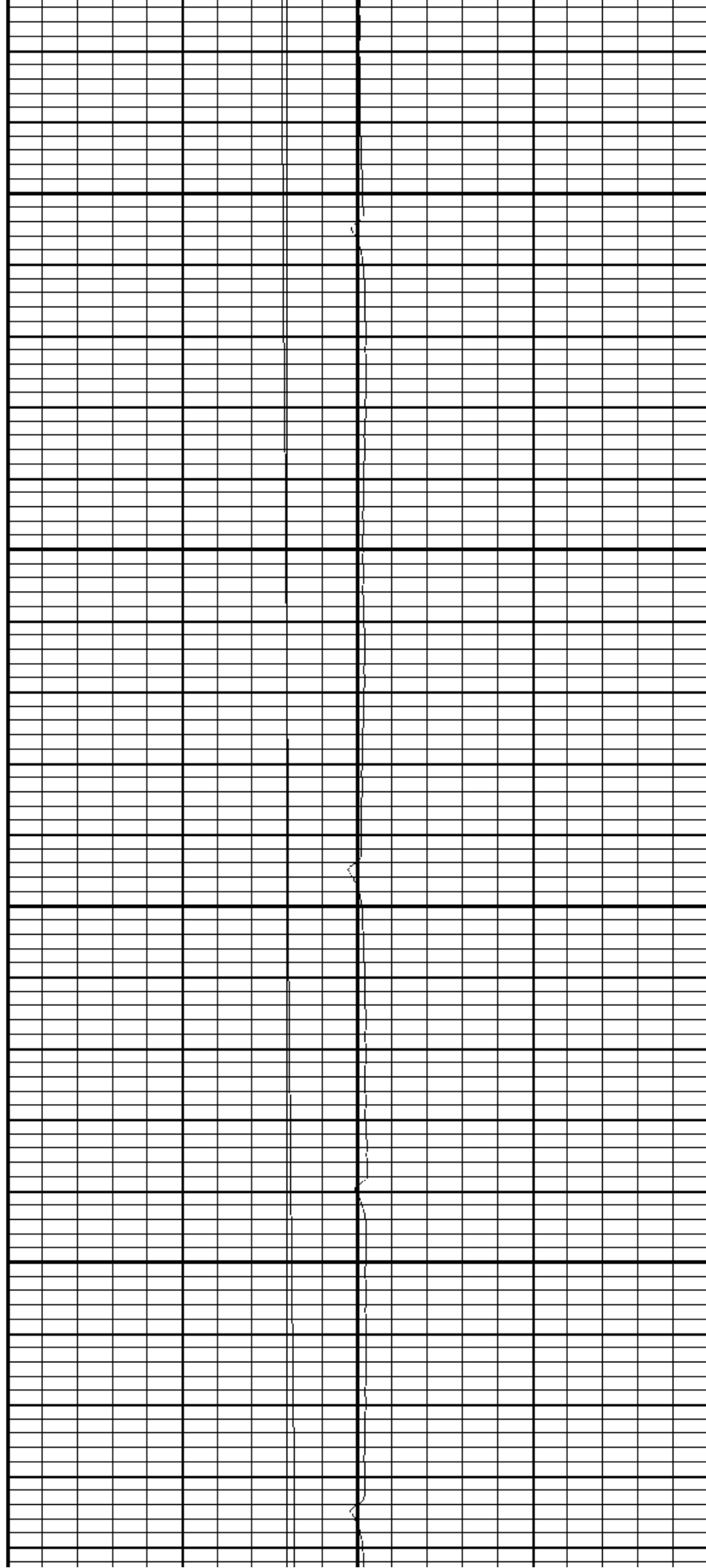


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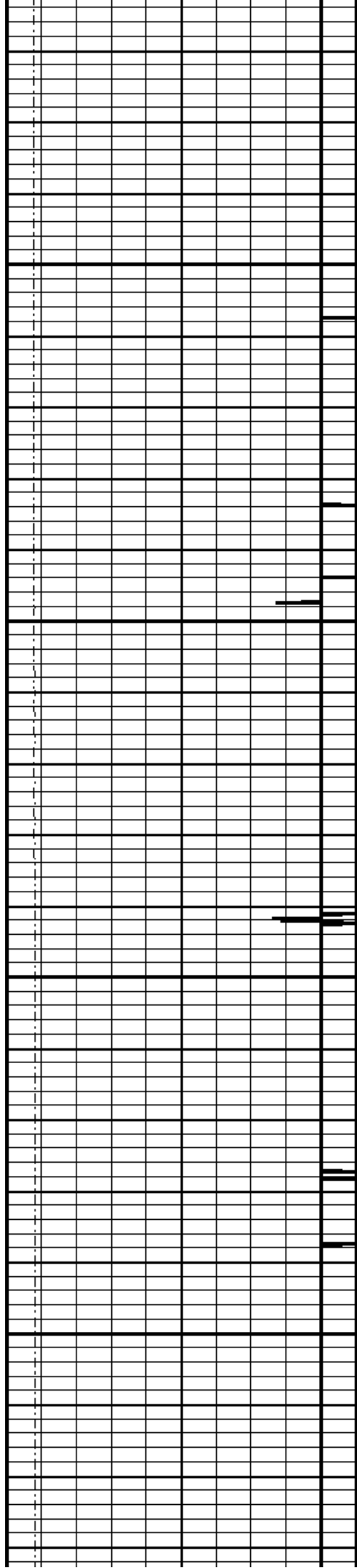
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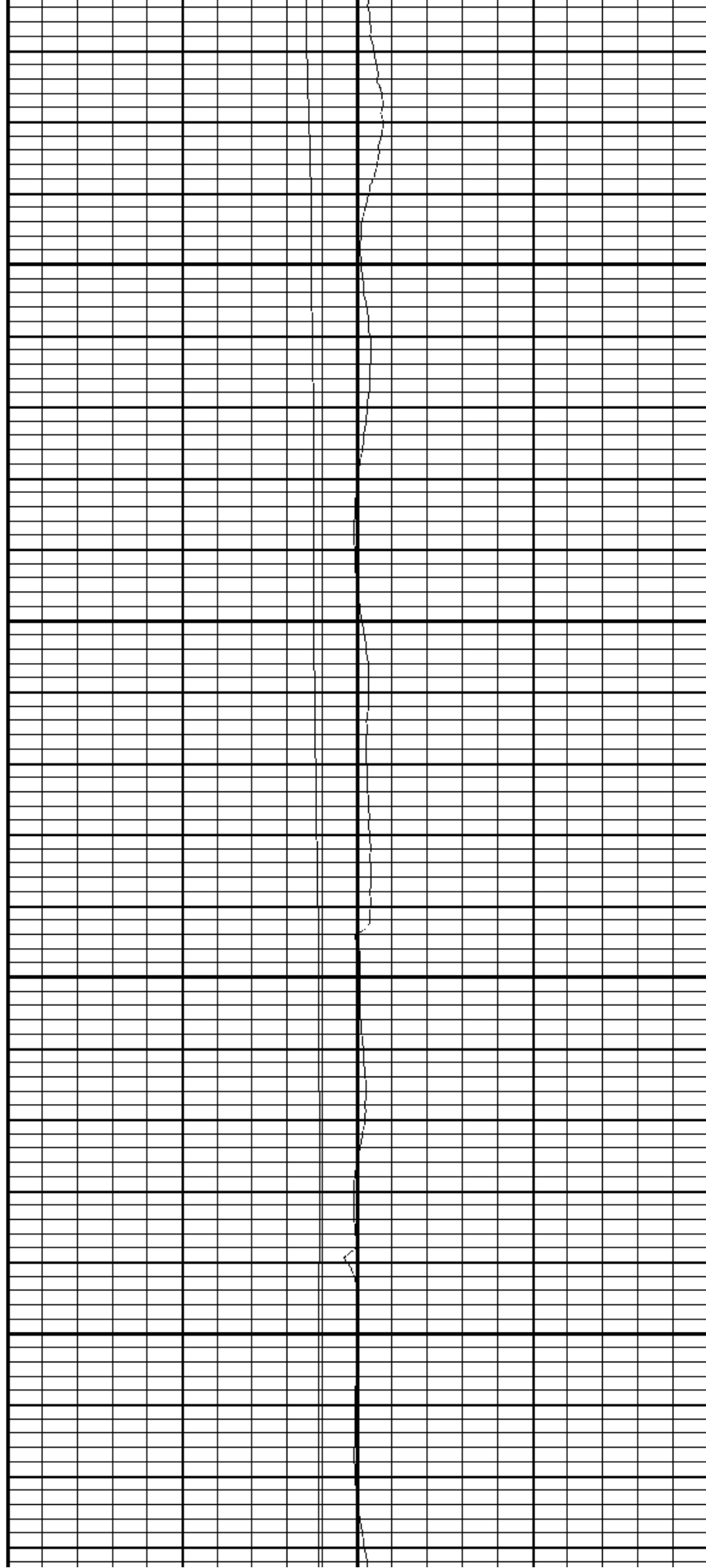


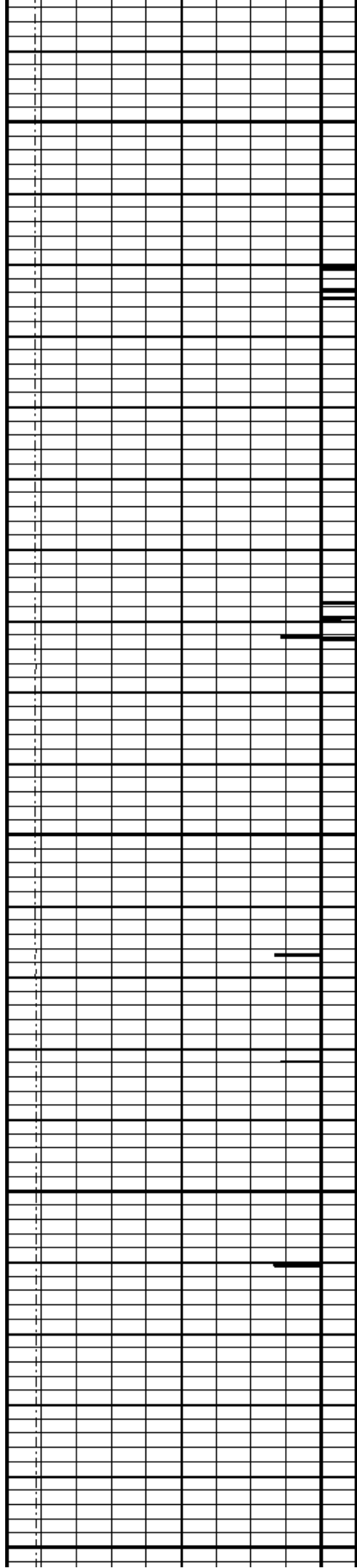
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1700





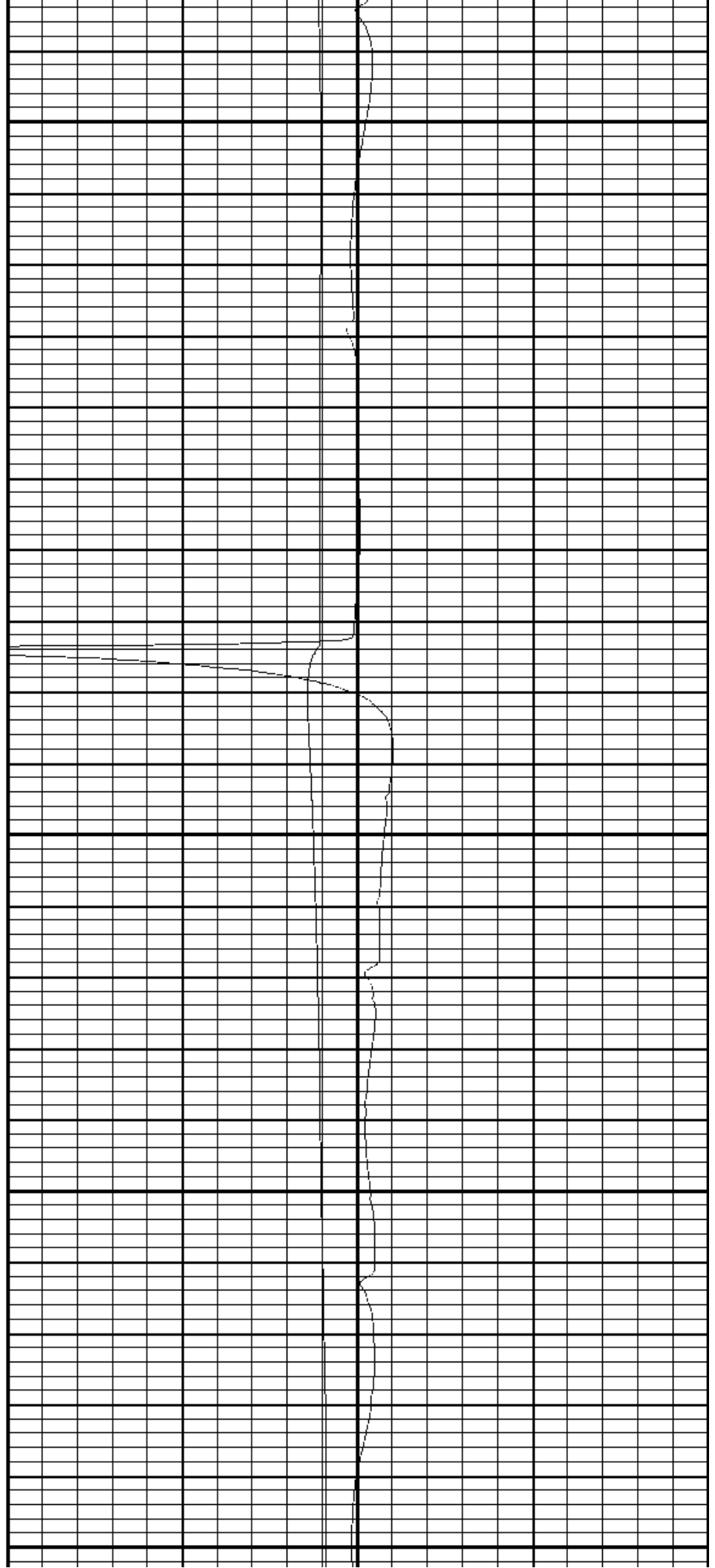
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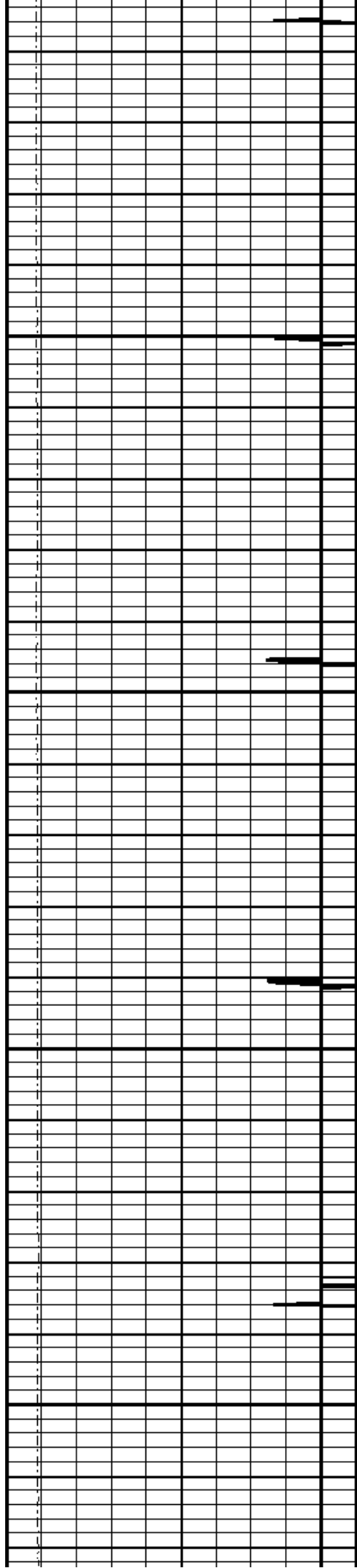
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1900

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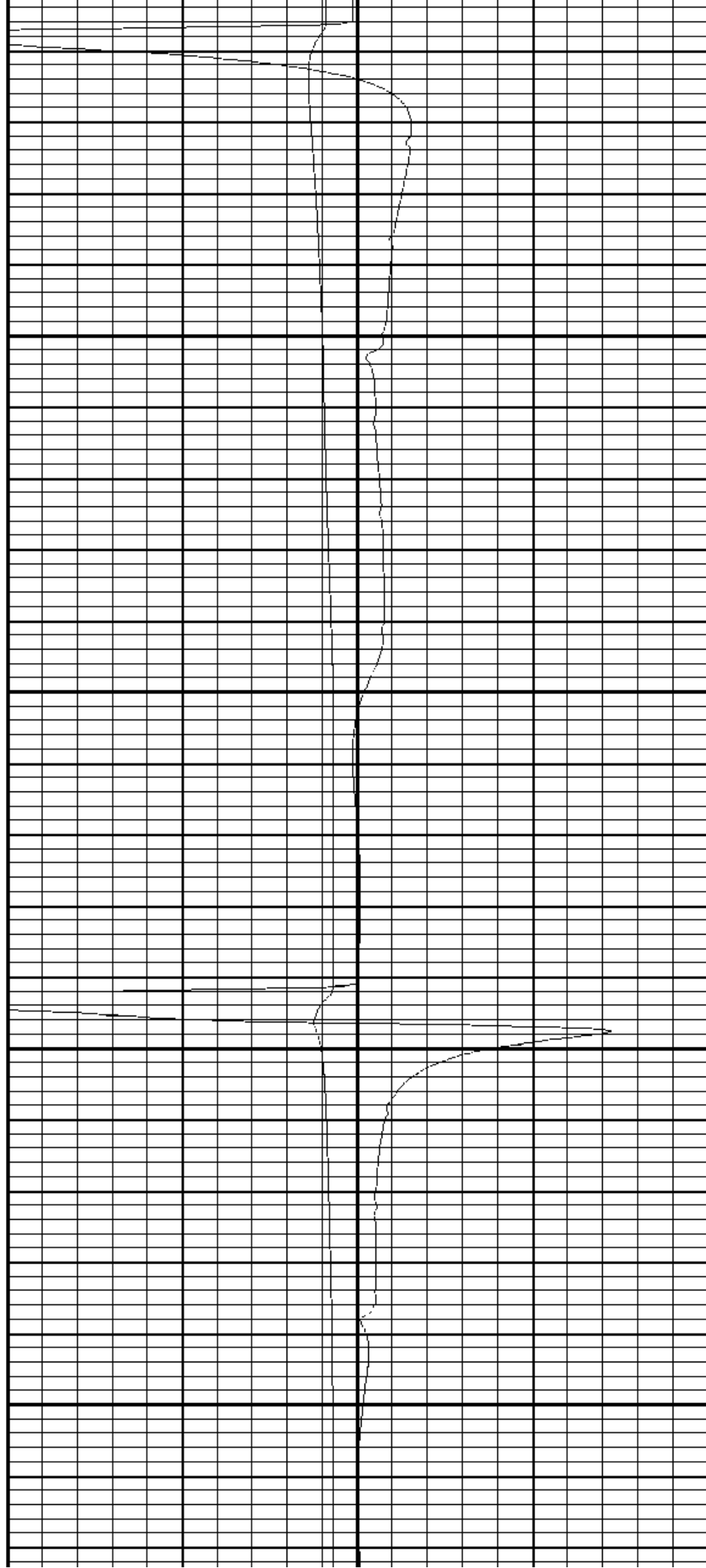


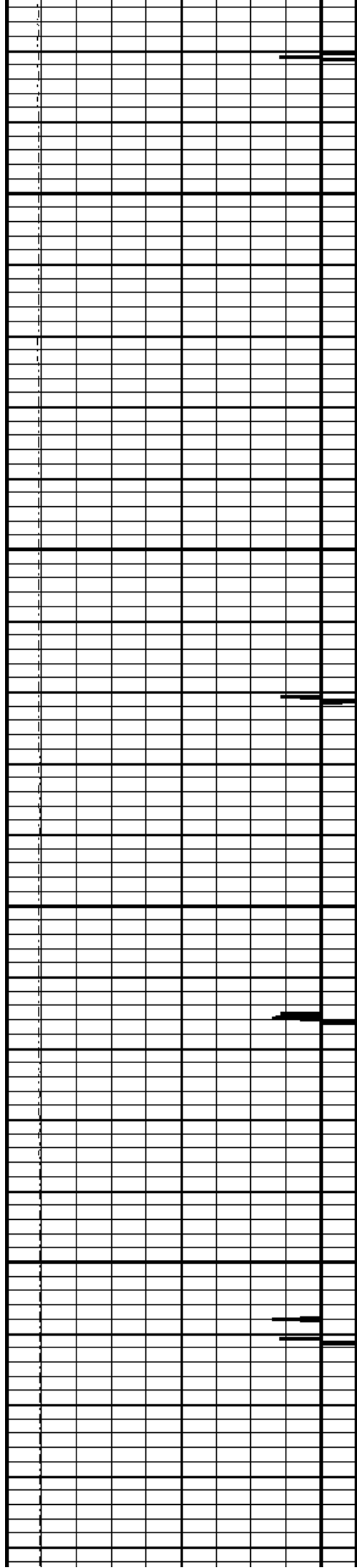
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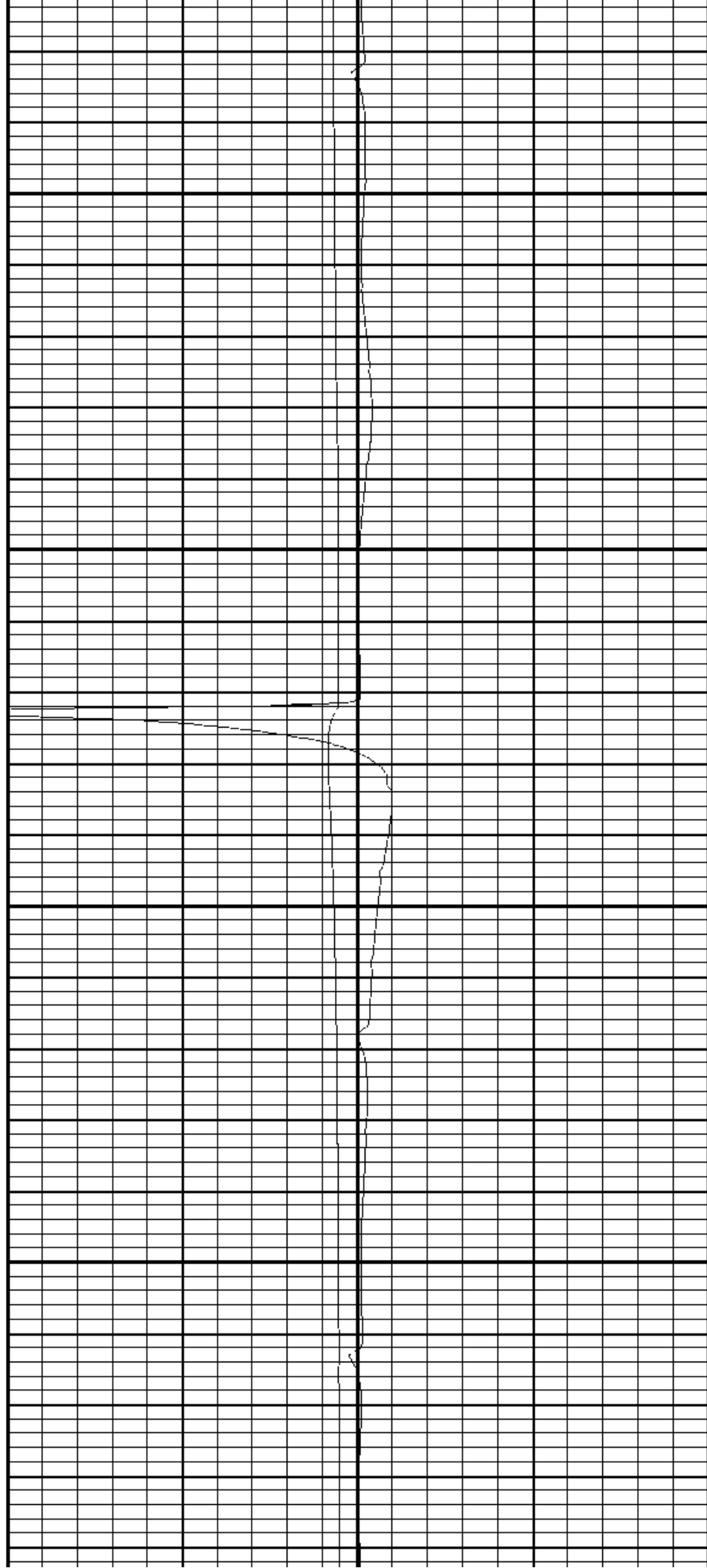


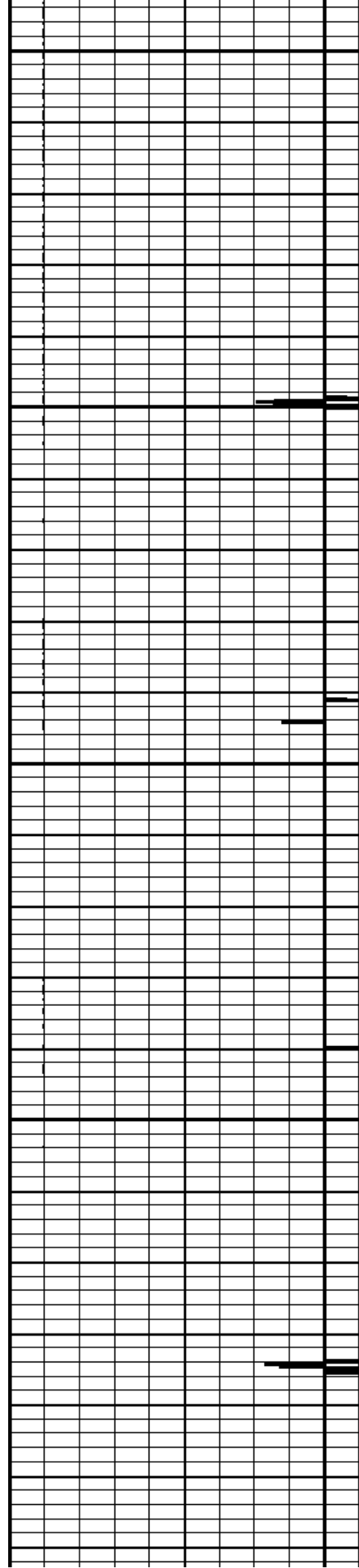
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2350





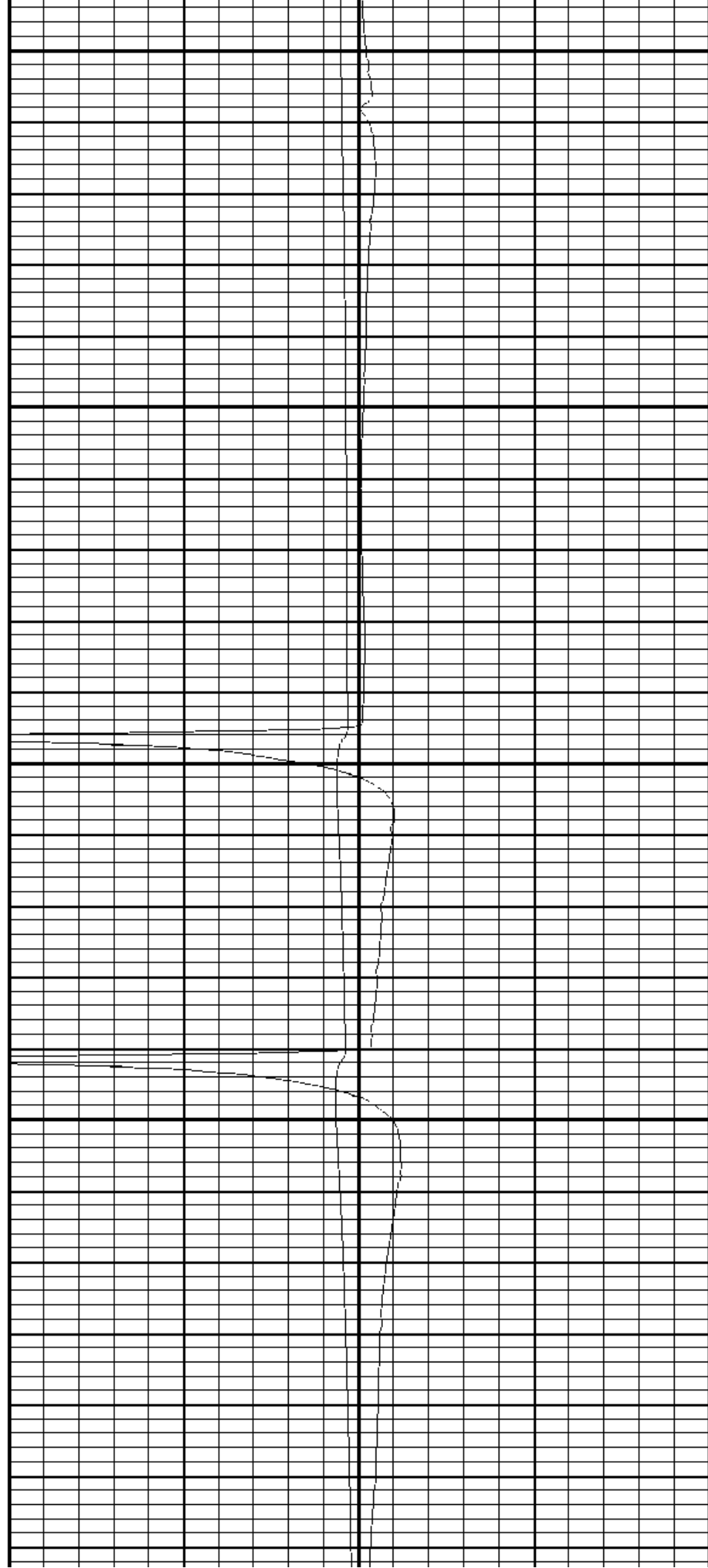
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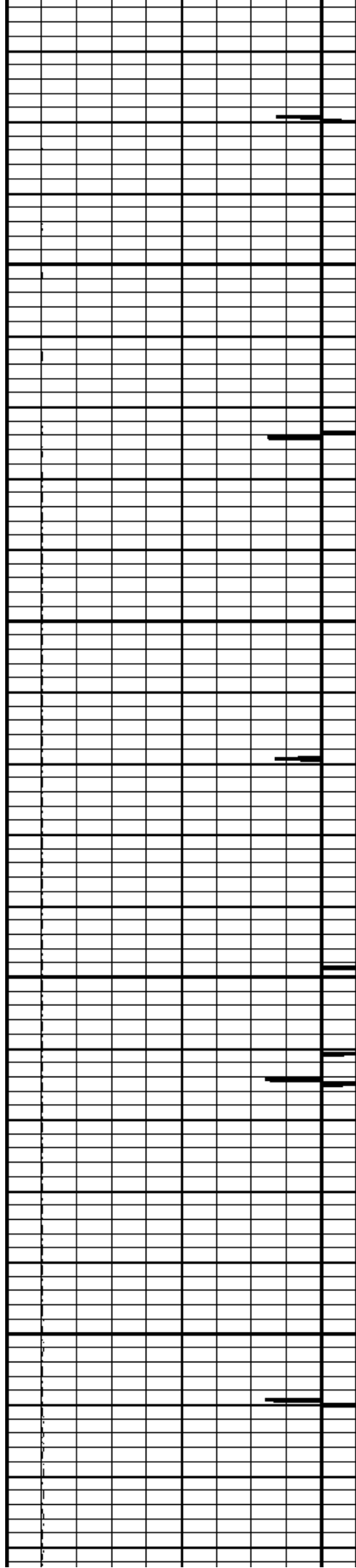
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2600



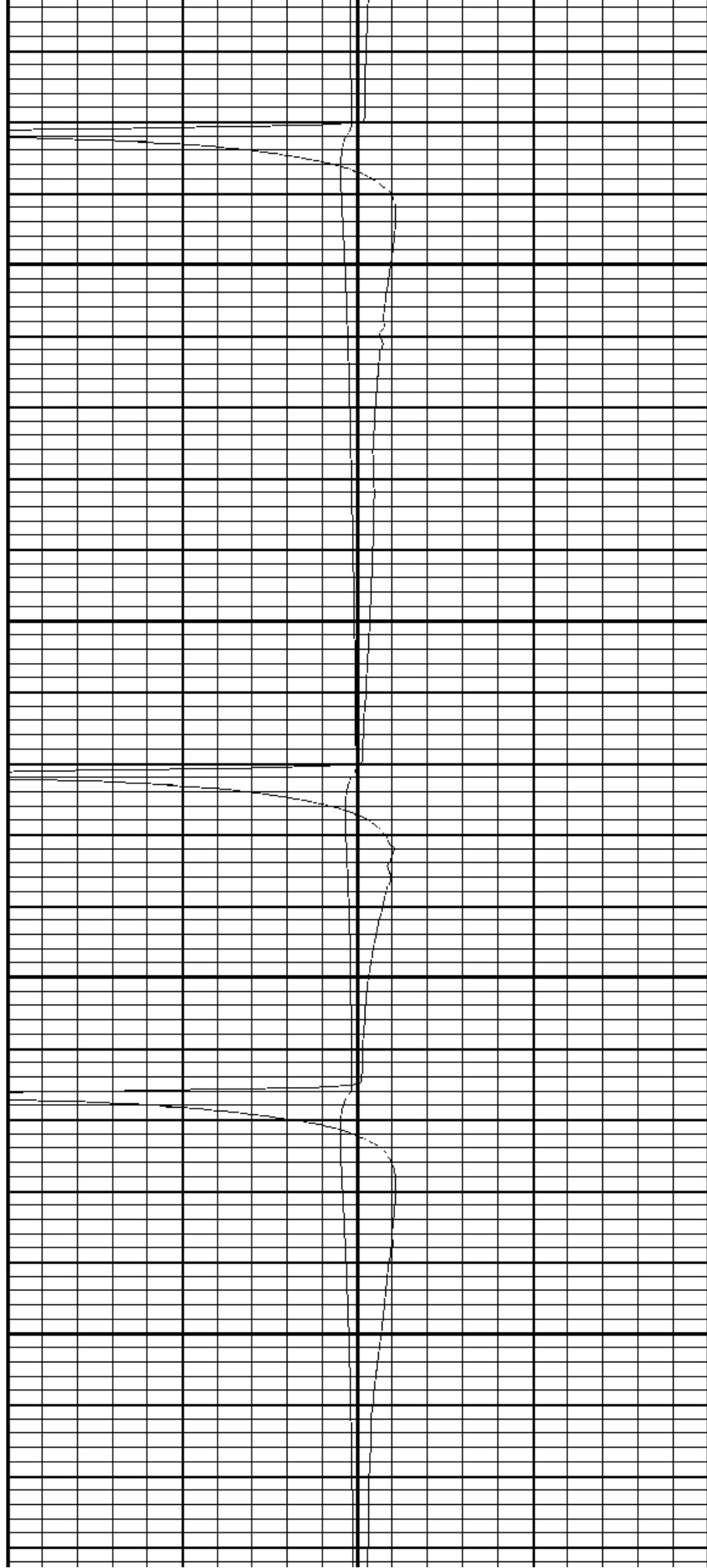


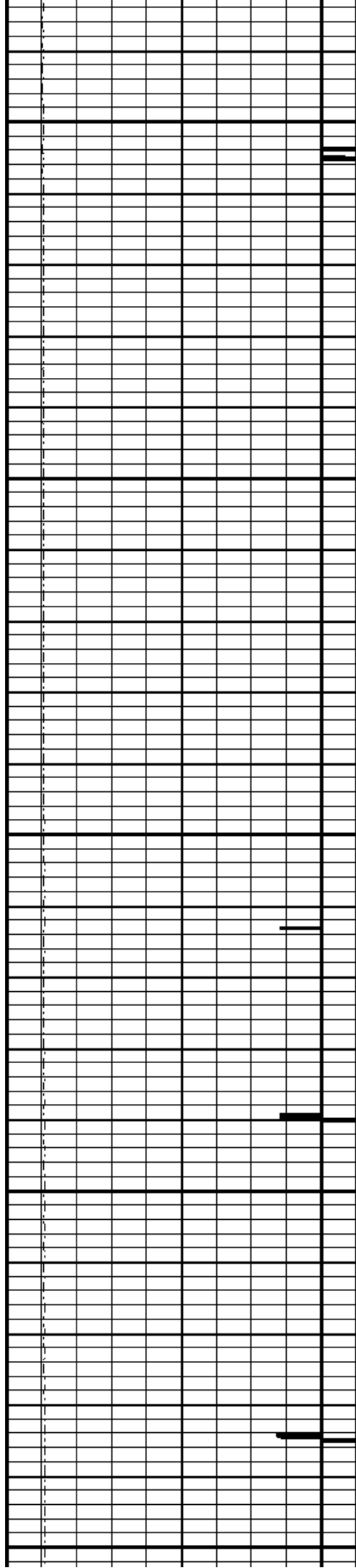
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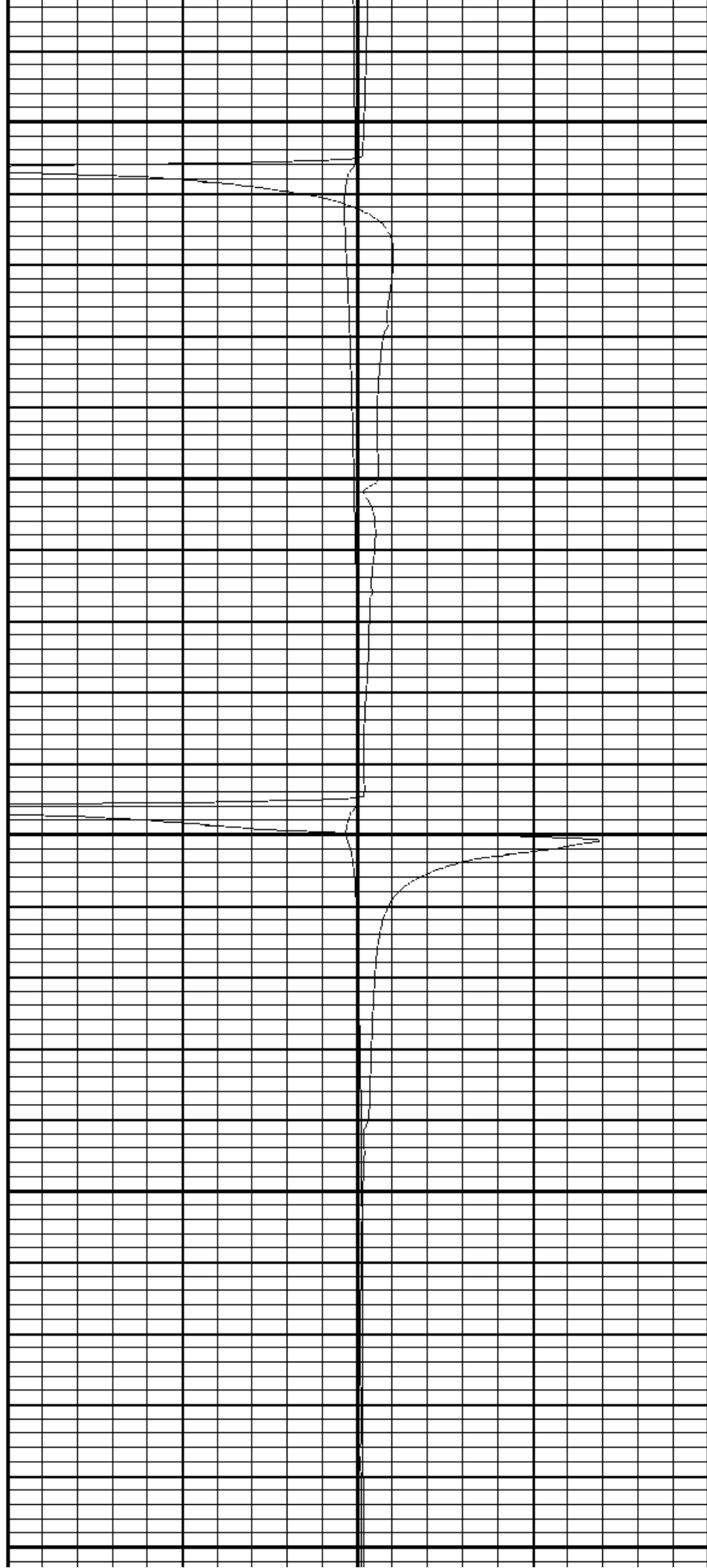
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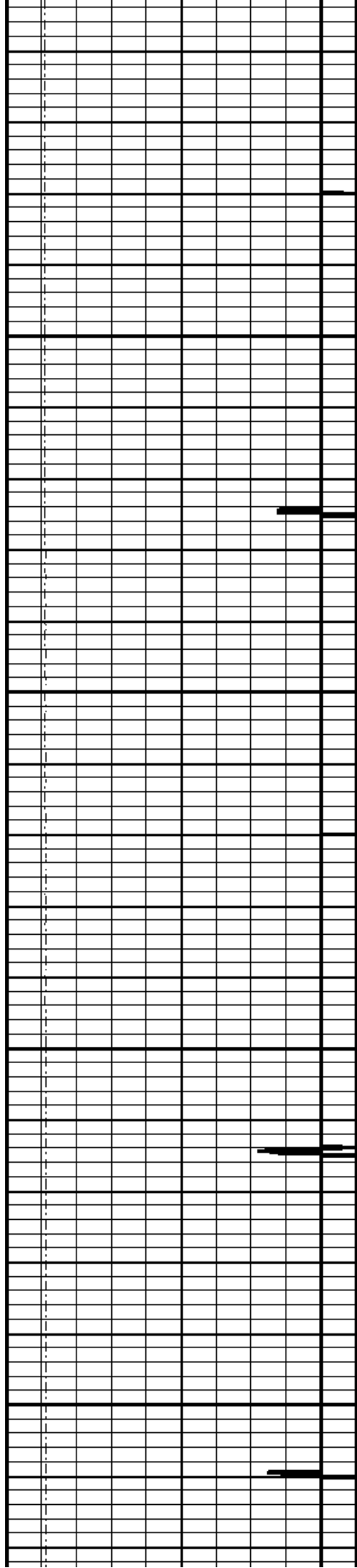
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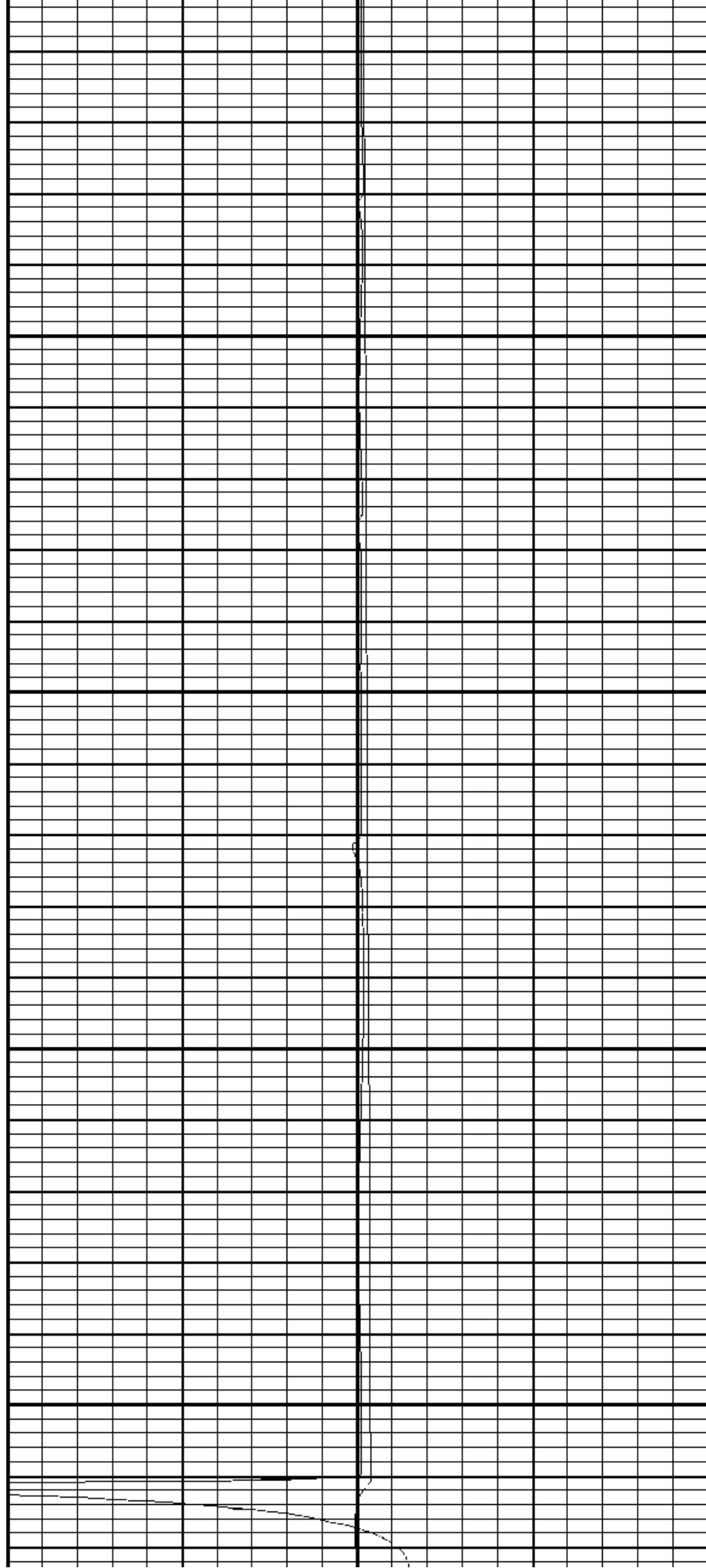


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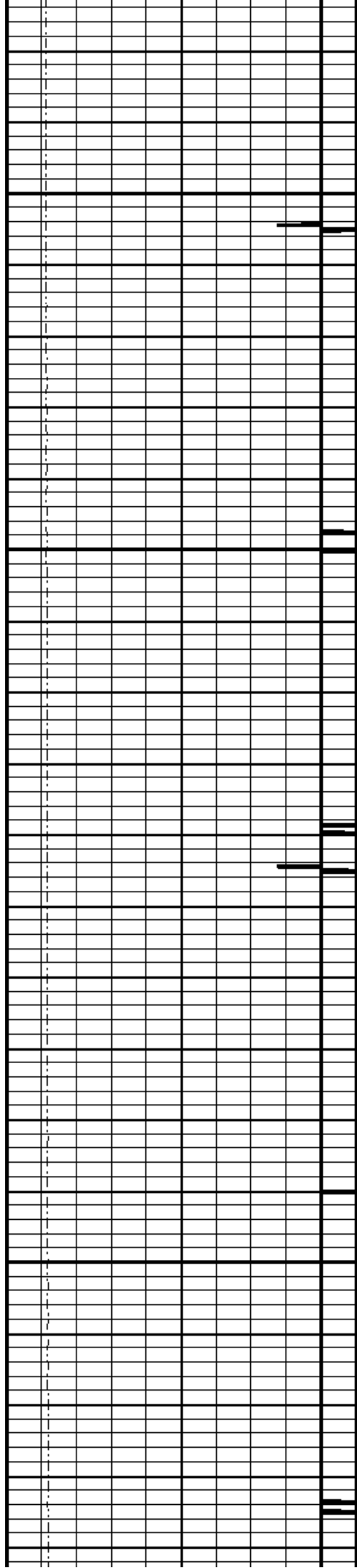
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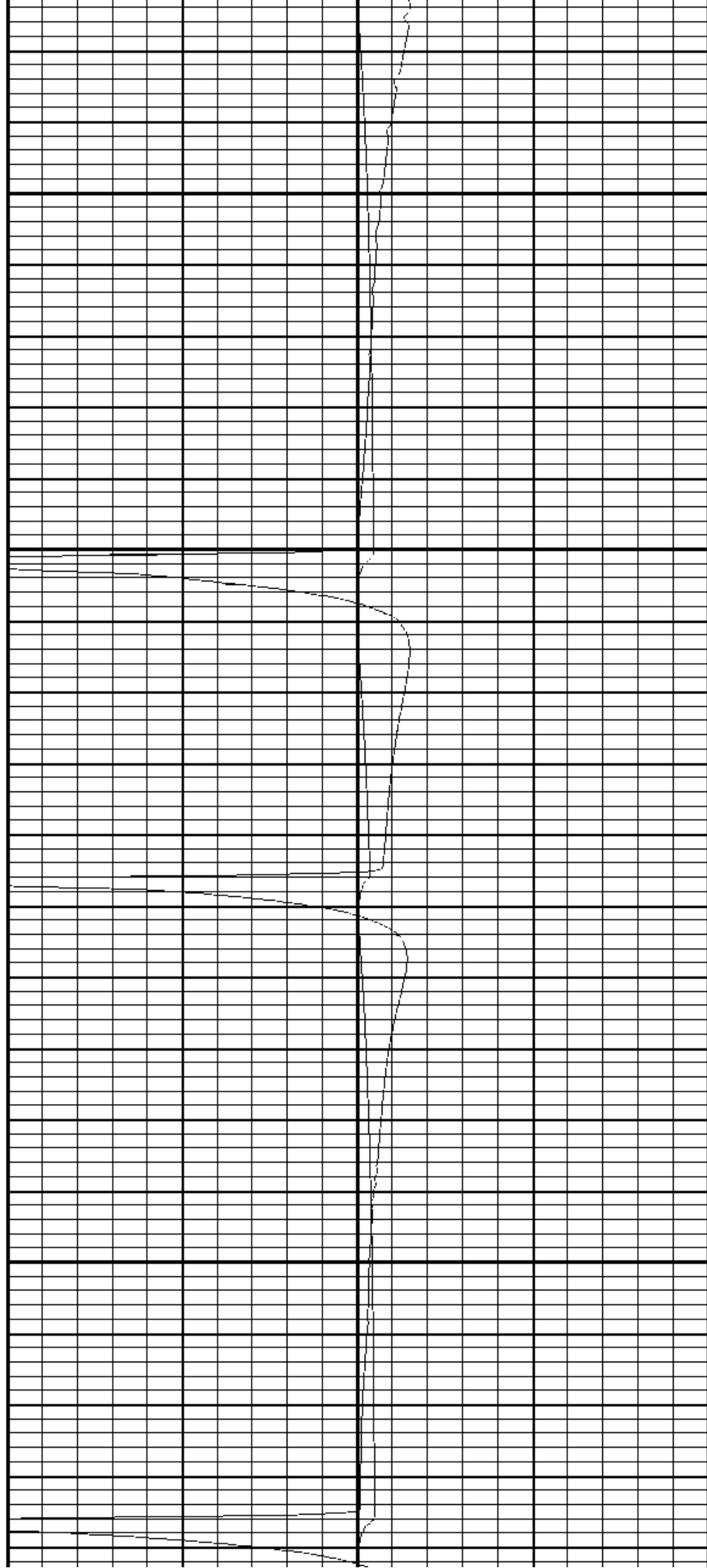


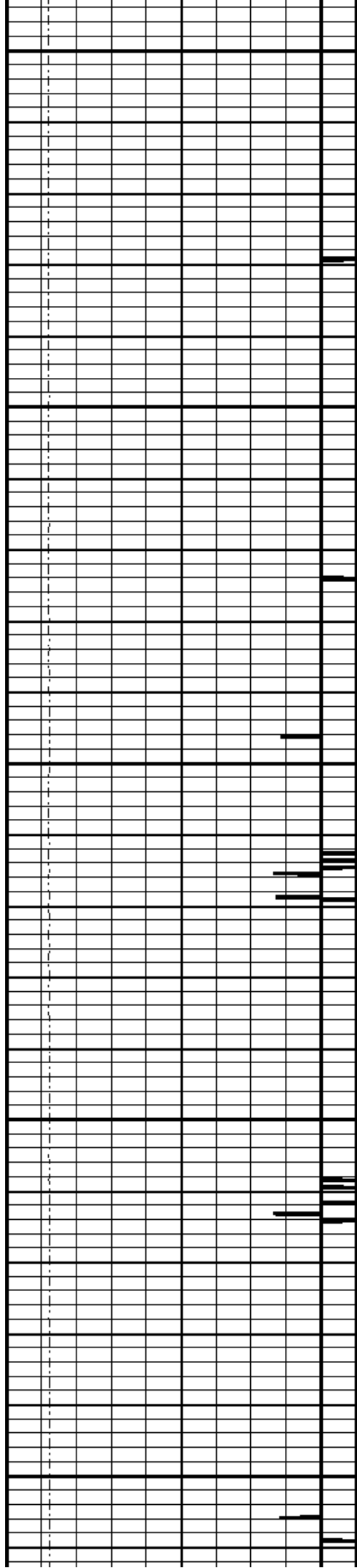
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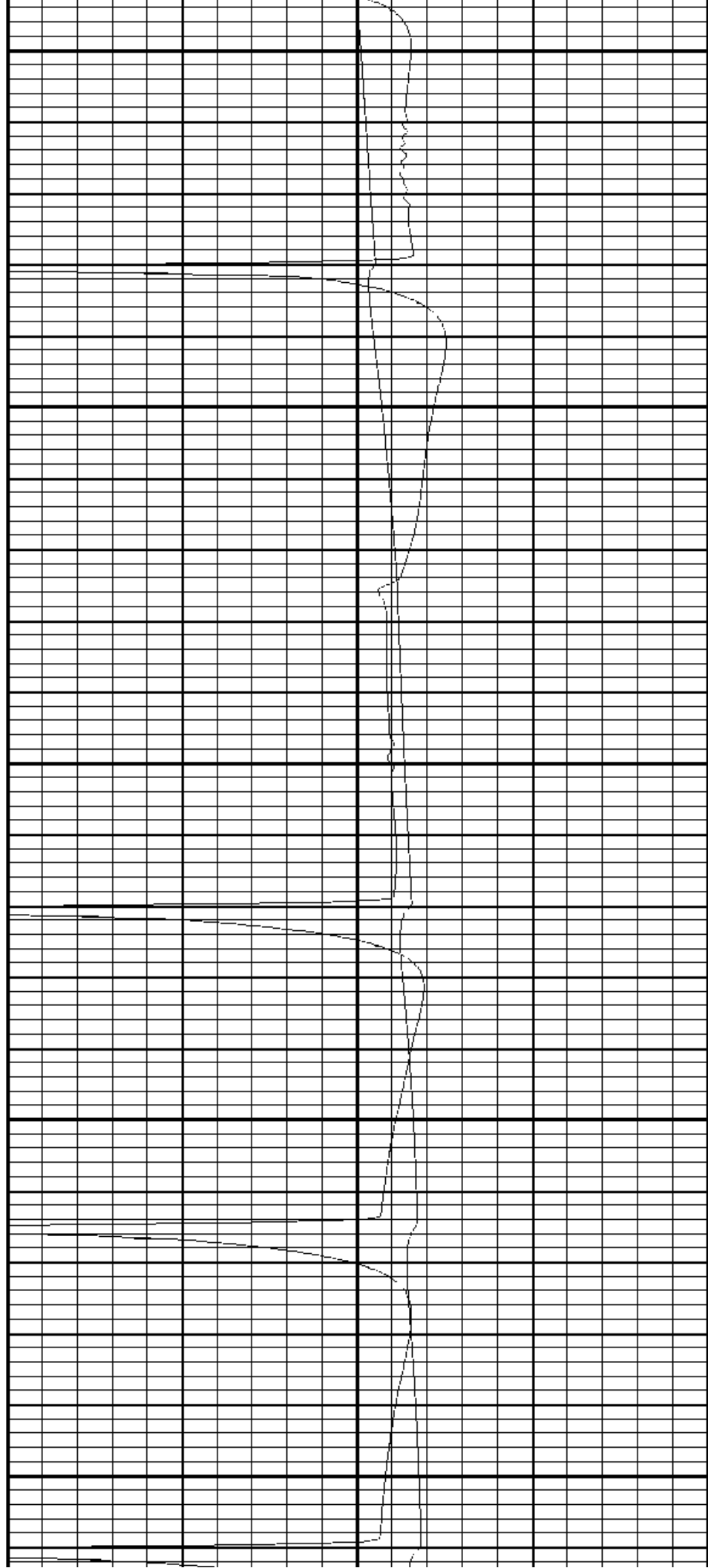
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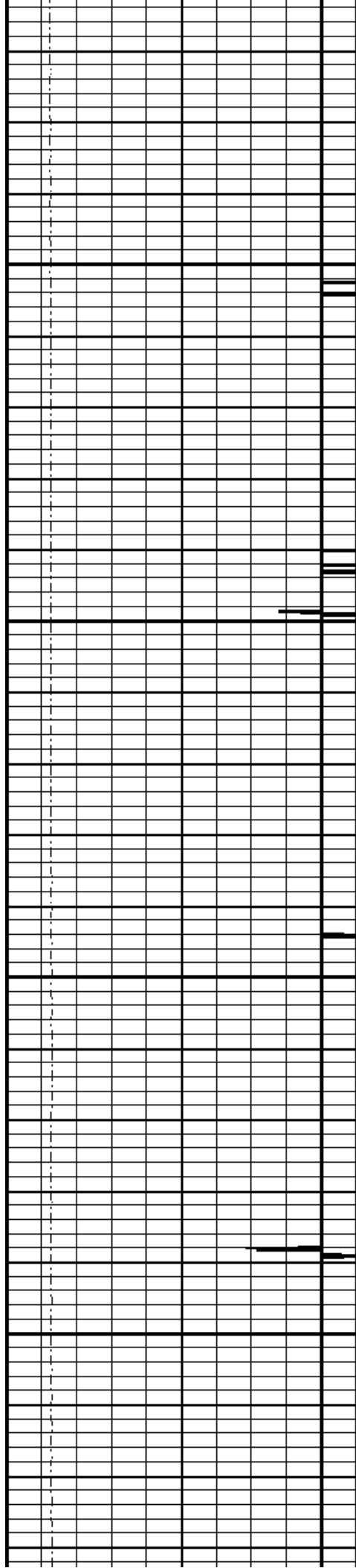
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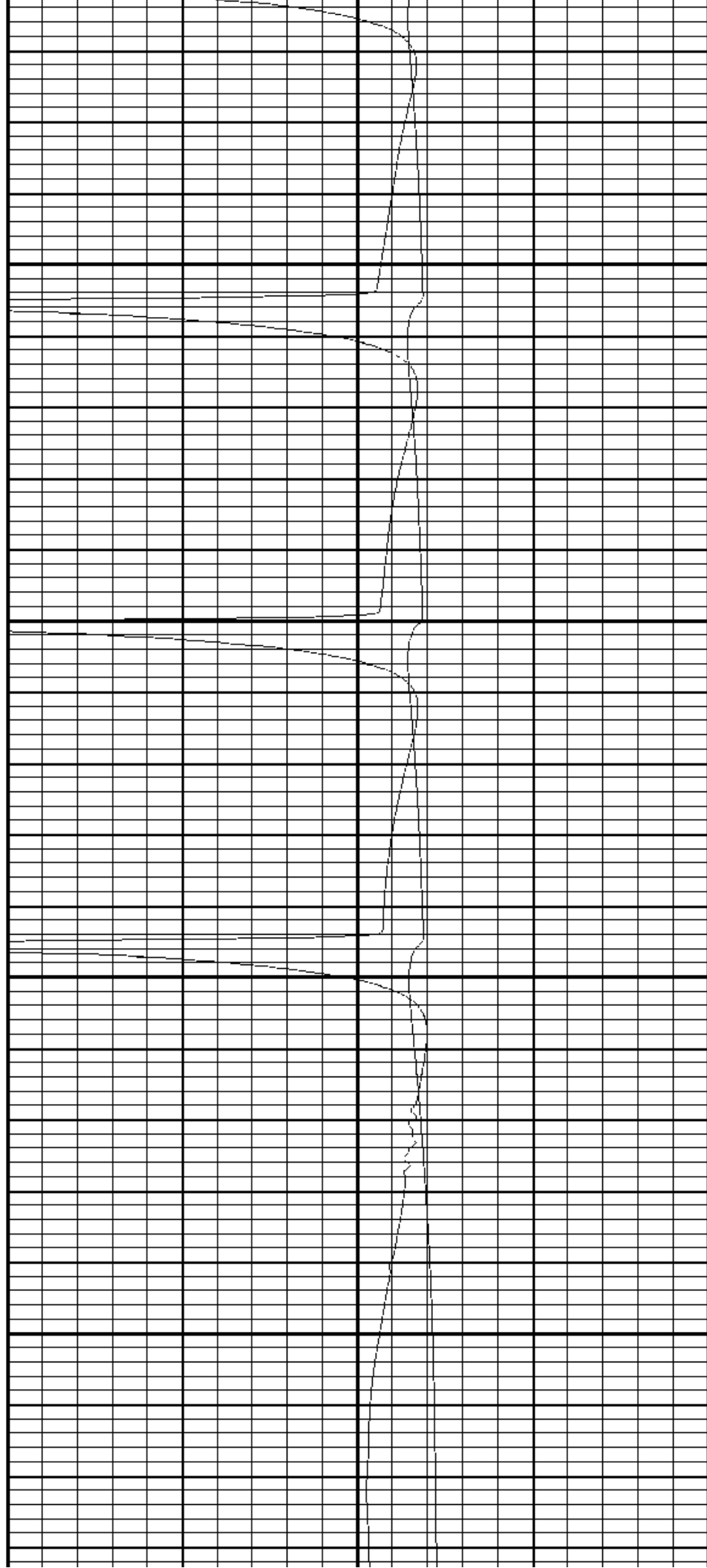


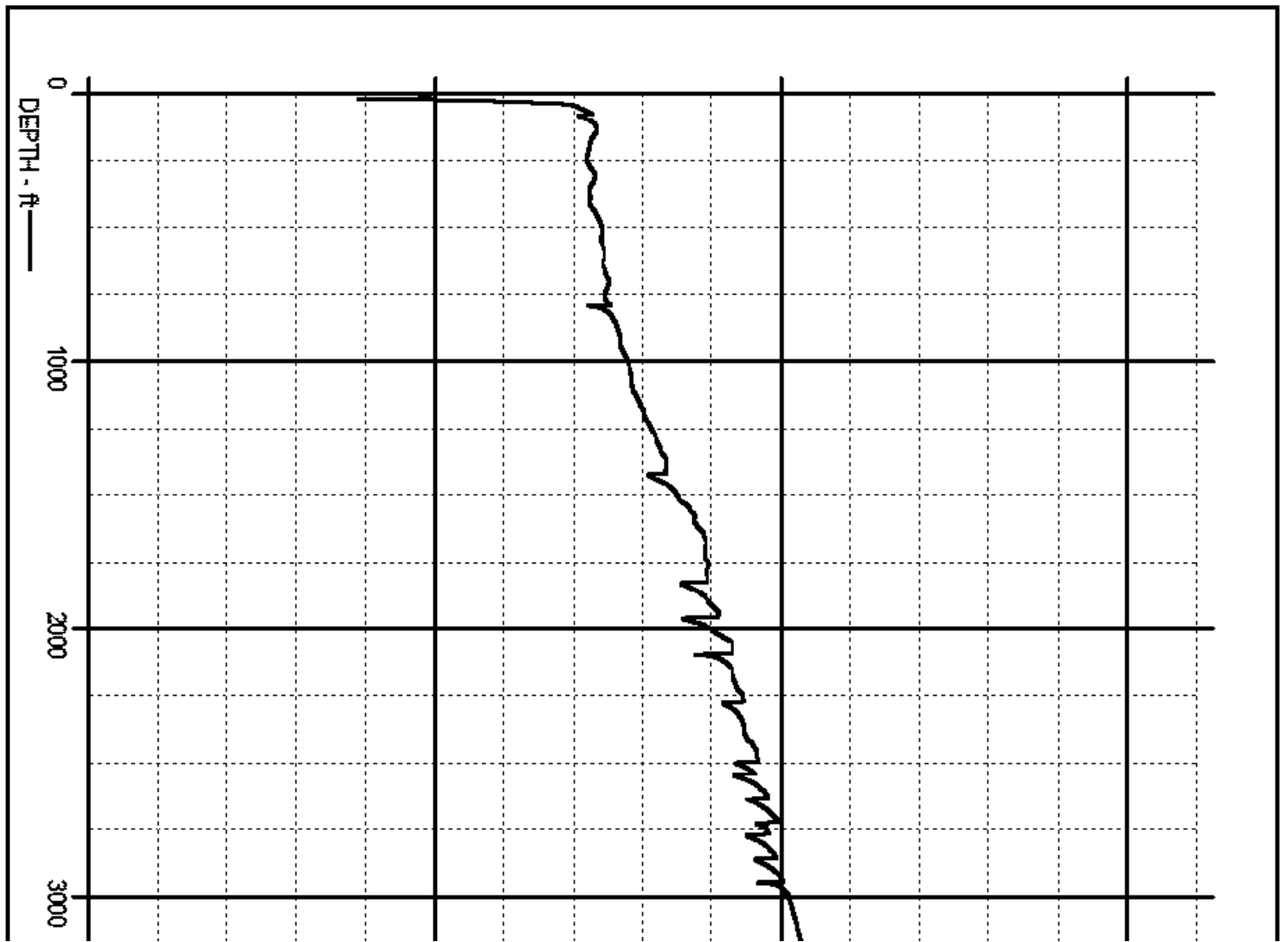
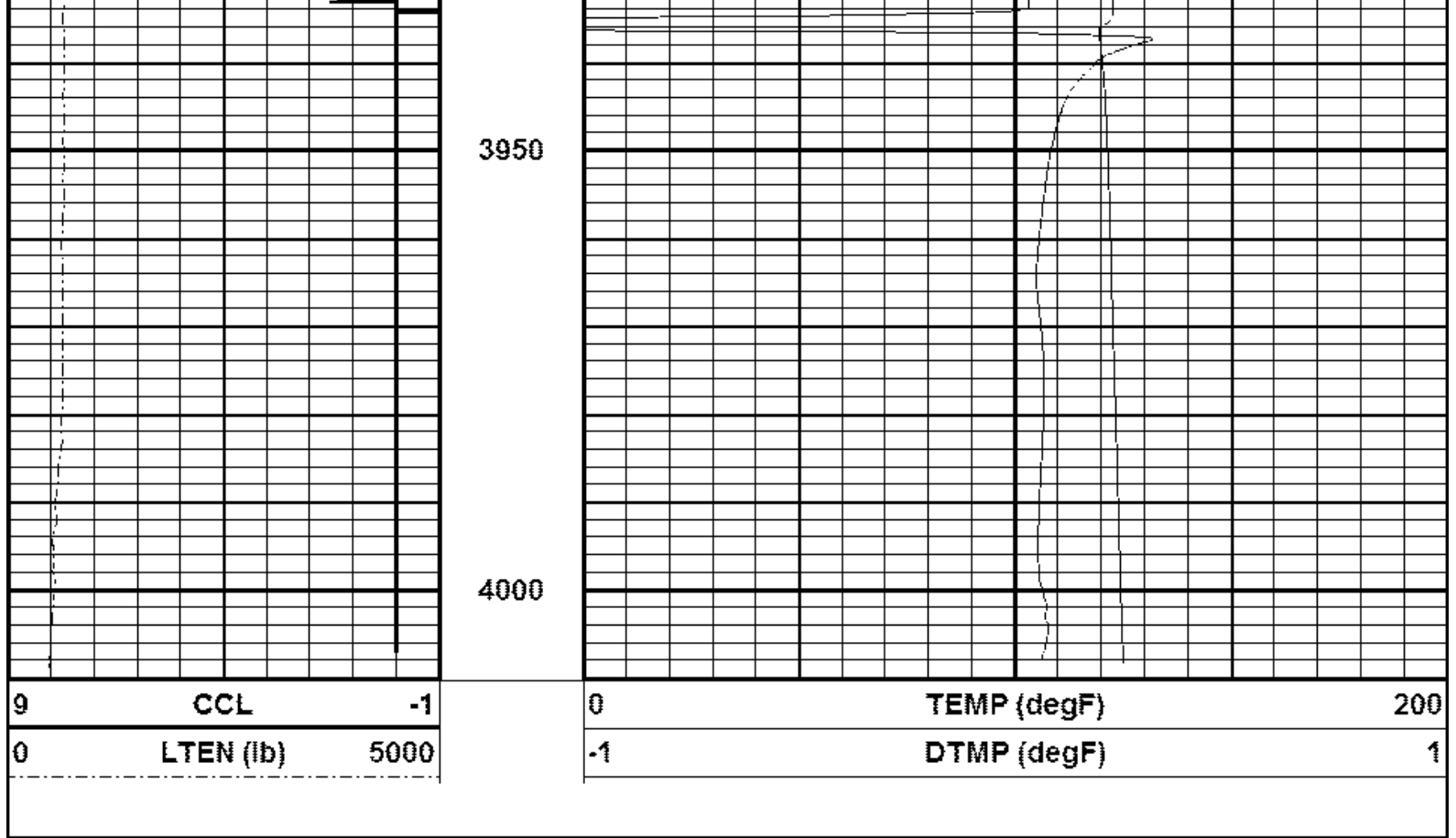
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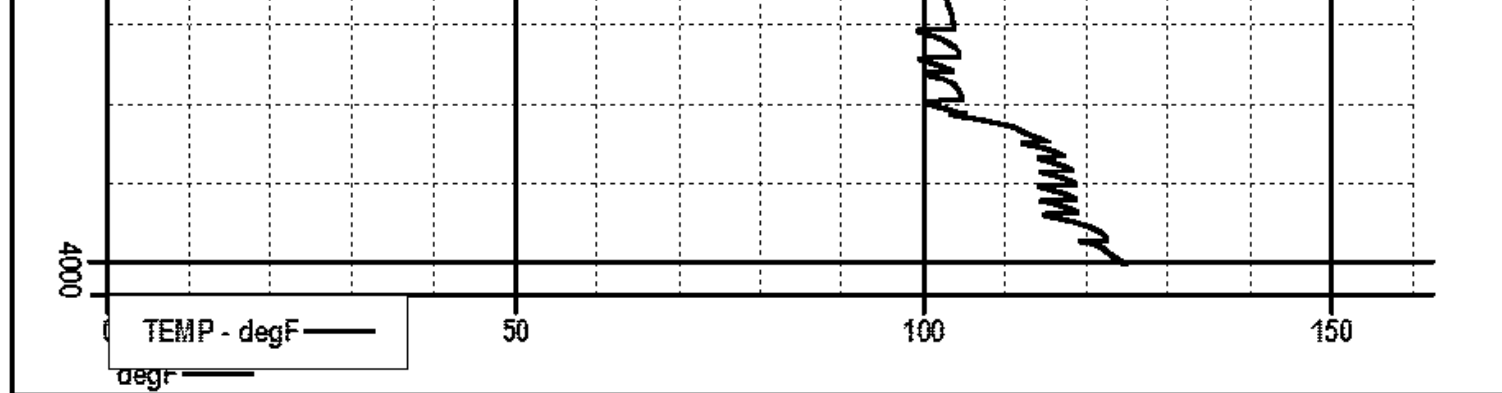
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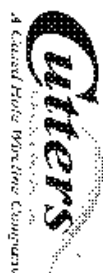
3900







Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)
CCL	2.14		CCL-TITAN_CCL (TITAN_CCL_01) Titan 2.75 Logging CCL	2.16	2.75	2.00
TEMP	0.08		TEMP-1.375TEMP (002) Temperature Tool	1.25	1.38	30.00
		Dataset:	federal 21-6-91.db; field/well/run1/pass2			
		Total Length:	3.41 ft			
		Total Weight:	32.00 lb			
		O.D.	2.75 in			



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 Field KOKOPELLI  
 County GARFIELD  
 State COLORADO