

TEMPERATURE LOG  
CCL

WIRELINE SERVICE INC.

Company	URSA OPERATING COMPANY	Company	URSA OPERATING COMPANY
Well	CSF 44B-09-07-91	Well	CSF 44B-09-07-91
Field	CASTLE SPRINGS	Field	CASTLE SPRINGS
County	GARFIELD	County	GARFIELD
State	COLORADO	State	COLORADO
Location:		API #:	Other Services
SHL: 1456' FSL: 2515' FVL			None
LAT: 39.45885886595 N LONG: 107.5588388650 W			
BHL: 855' FSL: 708' FEL			
LAT: 39.45885886595 N LONG: 107.5588388650 W			
Permanent Datum	GROUND LEVEL	Elevation	
Log Measured From	KELLY BUSHING = 15.5'	K.B. 6822.5'	
Drilling Measured From	KELLY BUSHING	D.F. 6821.5'	
		G.L. 6807'	

Date	08 JULY 2014
Run Number	ONE
Depth Driller	7720'
Depth Logger	7635'
Bottom Logged Interval	7635'
Top Log Interval	SURFACE
Open Hole Size	7 7/8"
Type Fluid	WATER
Density / Viscosity	~8.34#
Max. Recorded Temp.	201 DEG F
Estimated Cement Top	SEE LOG
Time Well Ready	N/A
Time Logger on Bottom	10:50
Equipment Number	FL0602W
Location	GRAND JUNCTION, CO
Recorded By	J. ARFSTEN
Witnessed By	R. MCNEILL
Borehole Record	
Run Number	Bit
From	To
Size	Weight
From	To
Tubing Record	
Run Number	Bit
From	To
Size	Weight
From	To
Casing Record	Size
Surface String	8 5/8"
Prot. String	32#
Production String	4 1/2"
Liner	11.6#

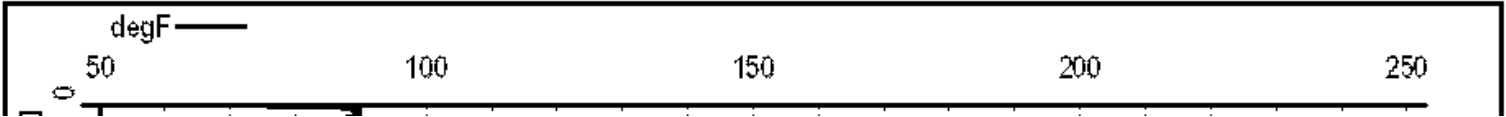
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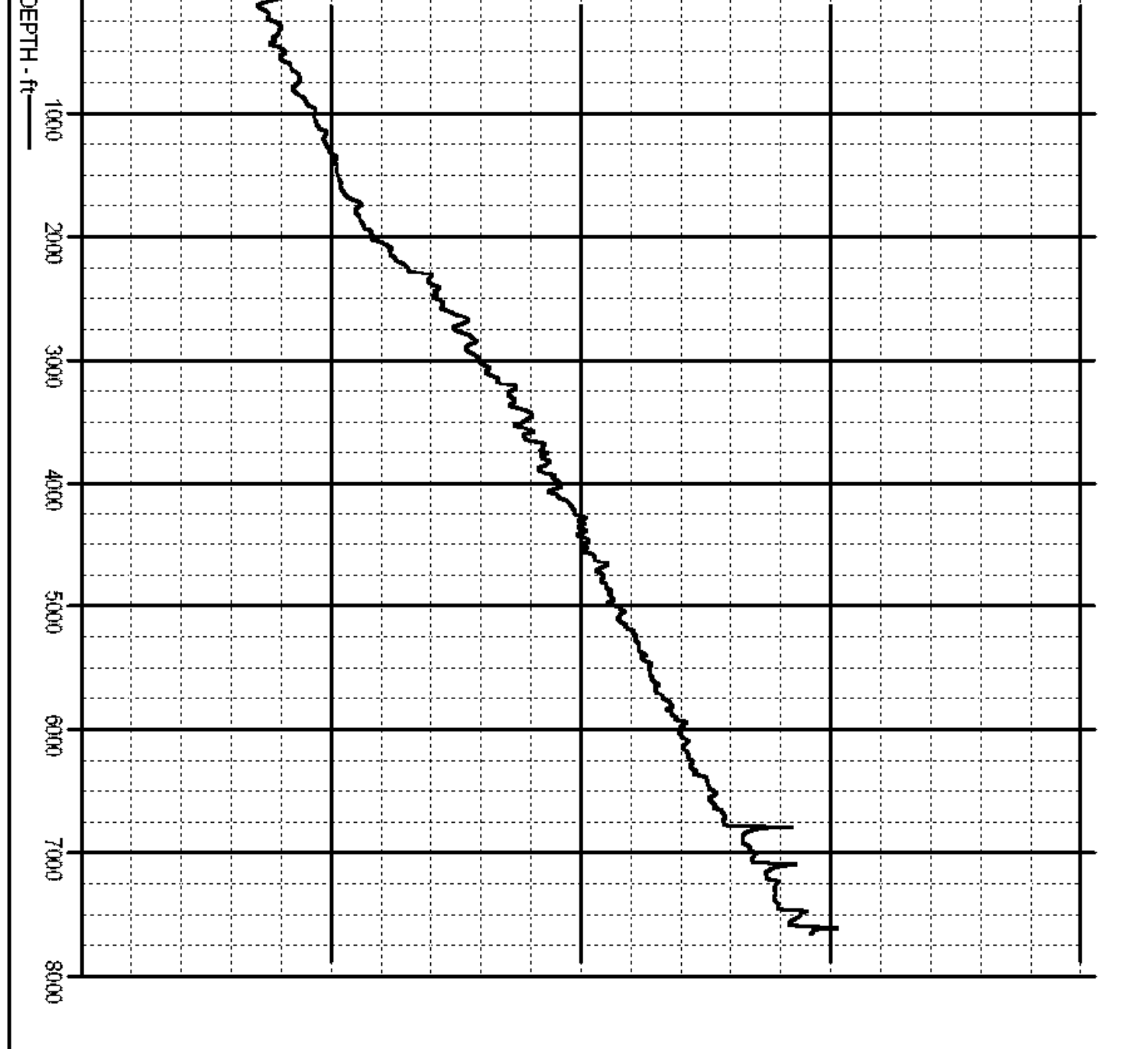
All interpretations are opinions based on inferences from electrical or other measurements and we cannot and do not guarantee the accuracy or correctness of any interpretation, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs,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

LOG WAS TIED IN TO KELLY BUSHING

WE APPRECIATE YOUR BUSINESS, MESA WIRELINE LLC, GRAND JUNCTION CO. (970) 257-04



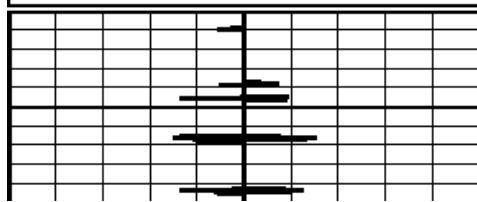


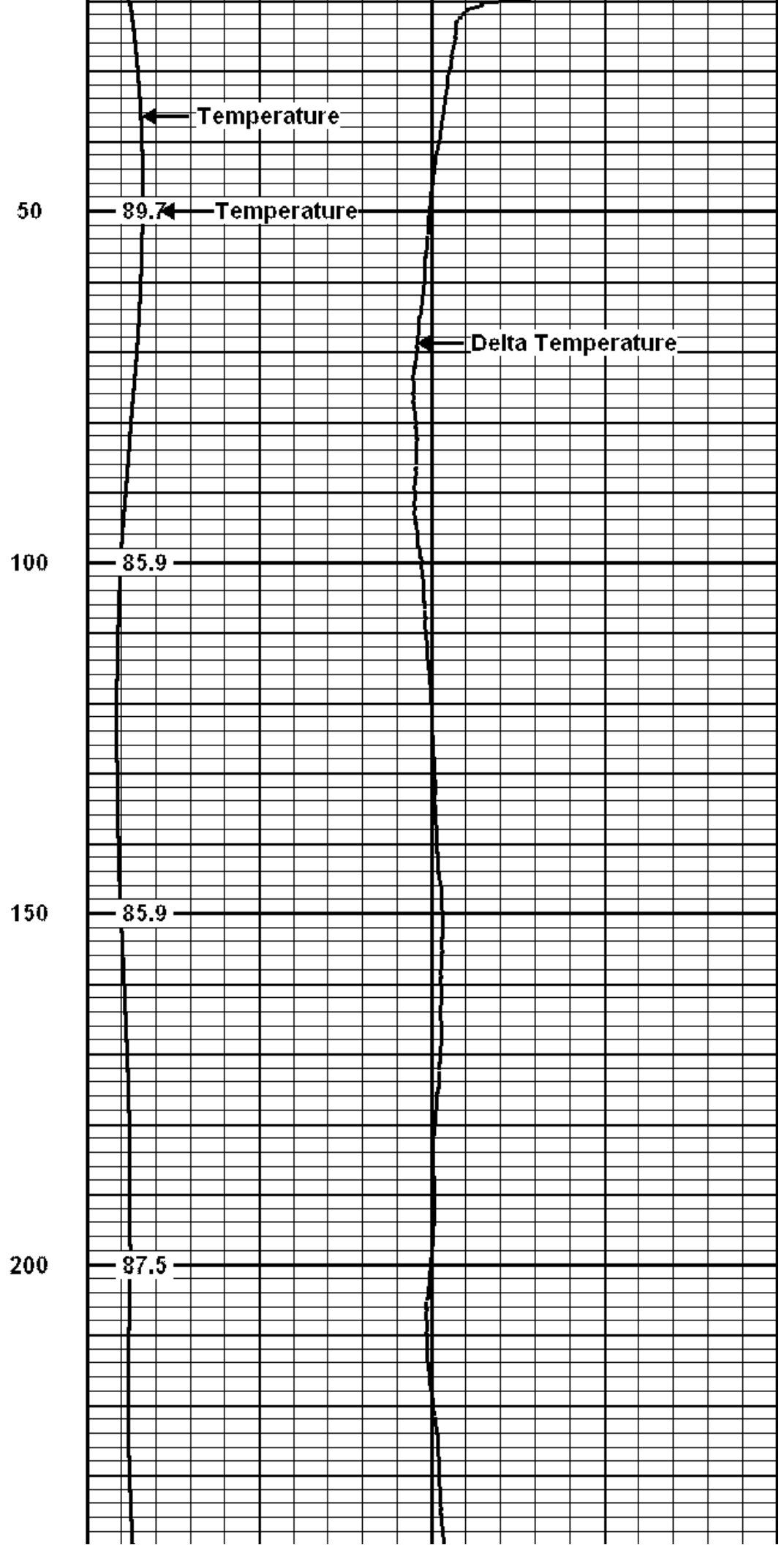
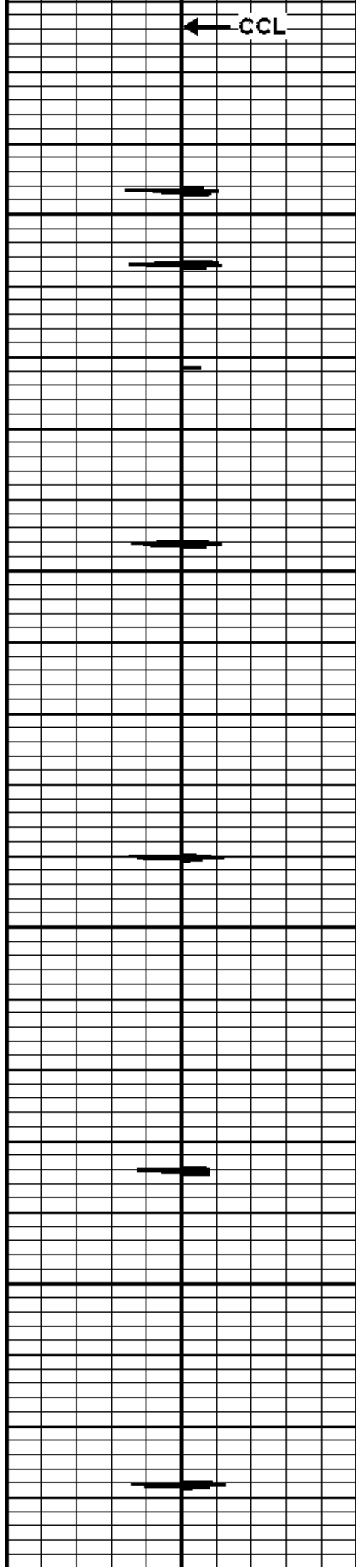
Database File: csf\_44b-09-07-91\_temp.db  
 Dataset Pathname: pass3  
 Presentation Format: temp  
 Dataset Creation: Tue Jul 08 09:33:09 2014 by Log Std Casedhole 08121  
 Charted by: Depth in Feet scaled 1:240

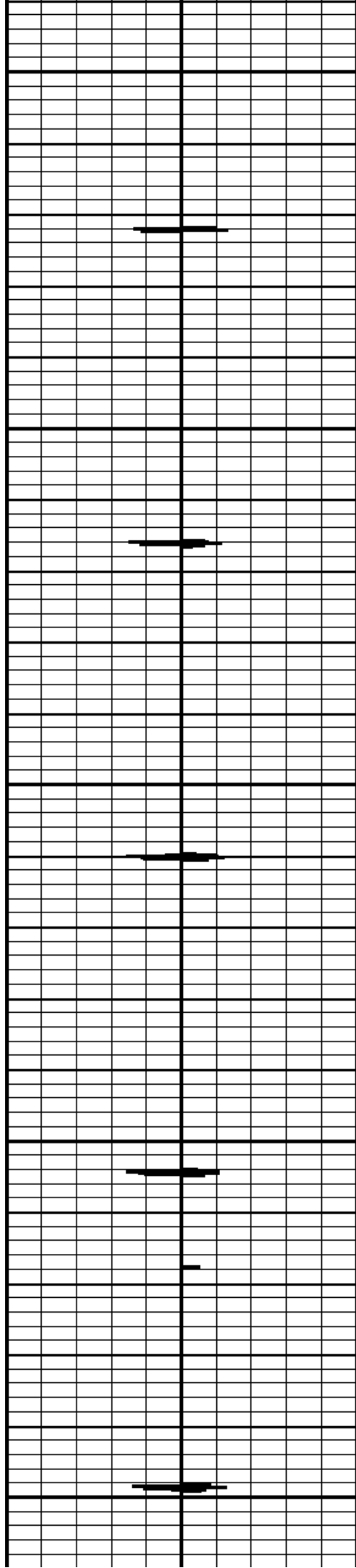
10	CCL	-10
0	LTEN (lb)	10000

80	TEMP (degF)	200
-2	DTMP (degF)	2

TEMP  
(degF)







250

300

350

400

450

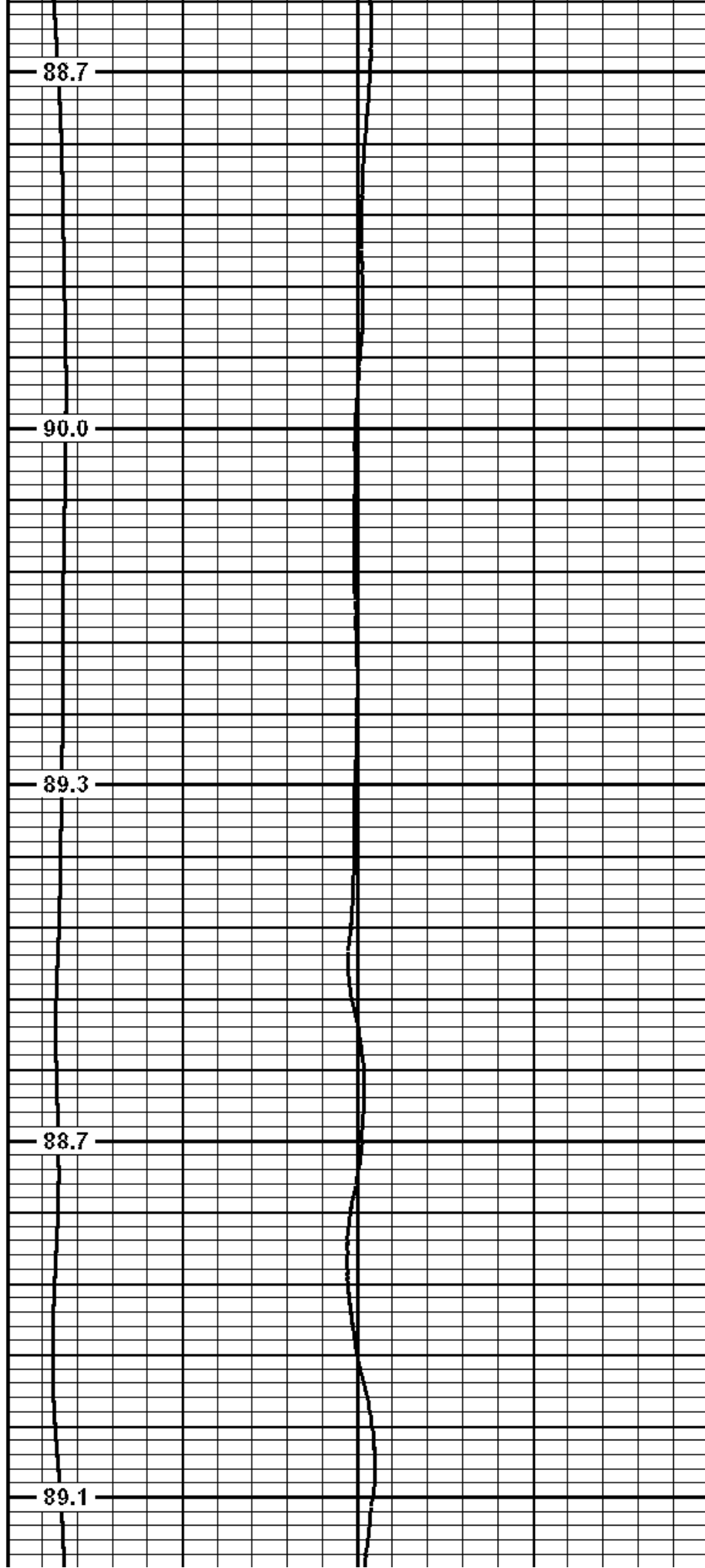
88.7

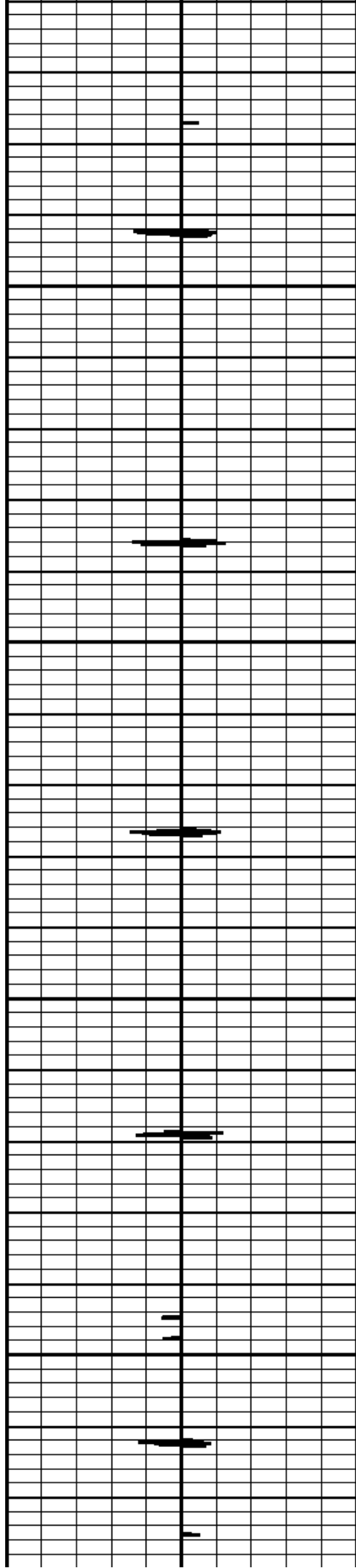
90.0

89.3

88.7

89.1



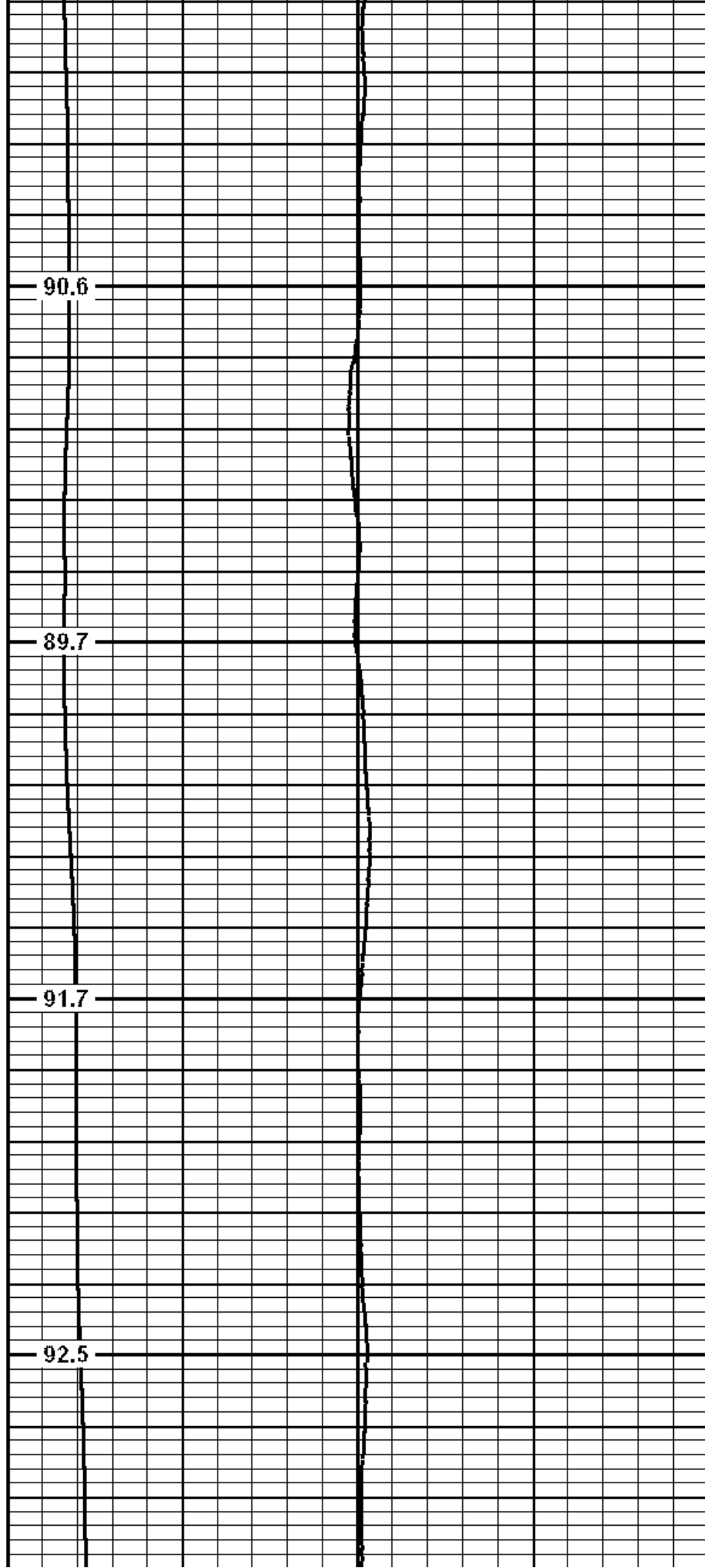


500

550

600

650

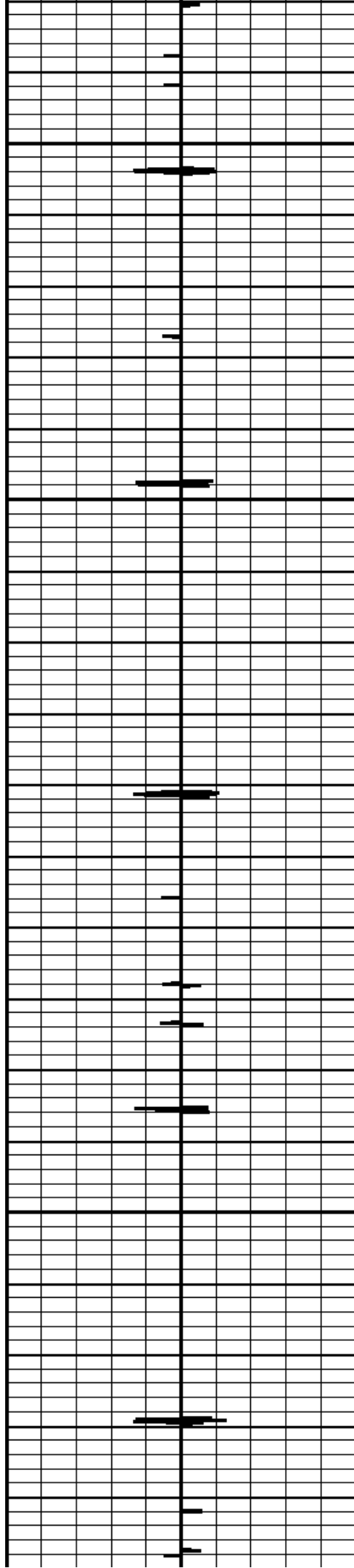


90.6

89.7

91.7

92.5



700

750

800

850

900

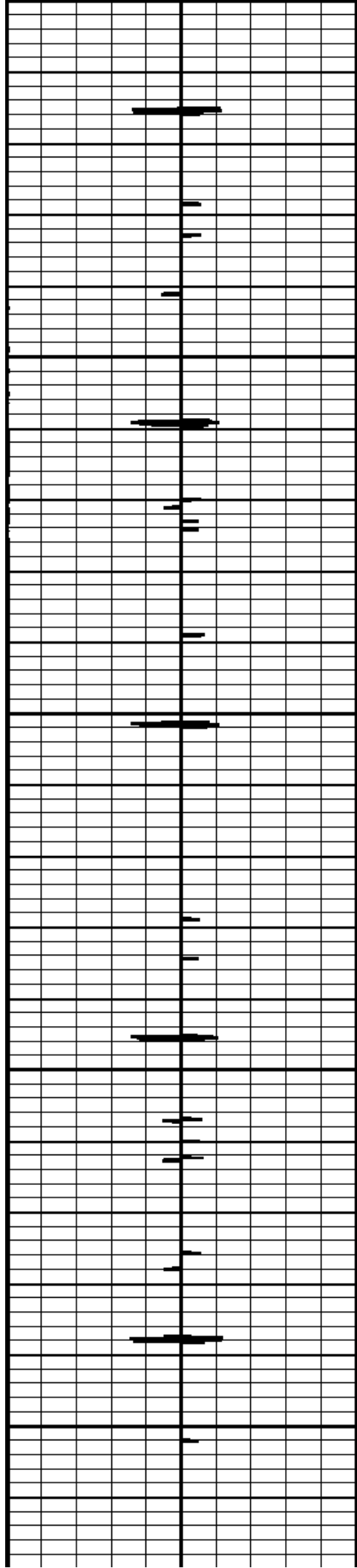
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93.4

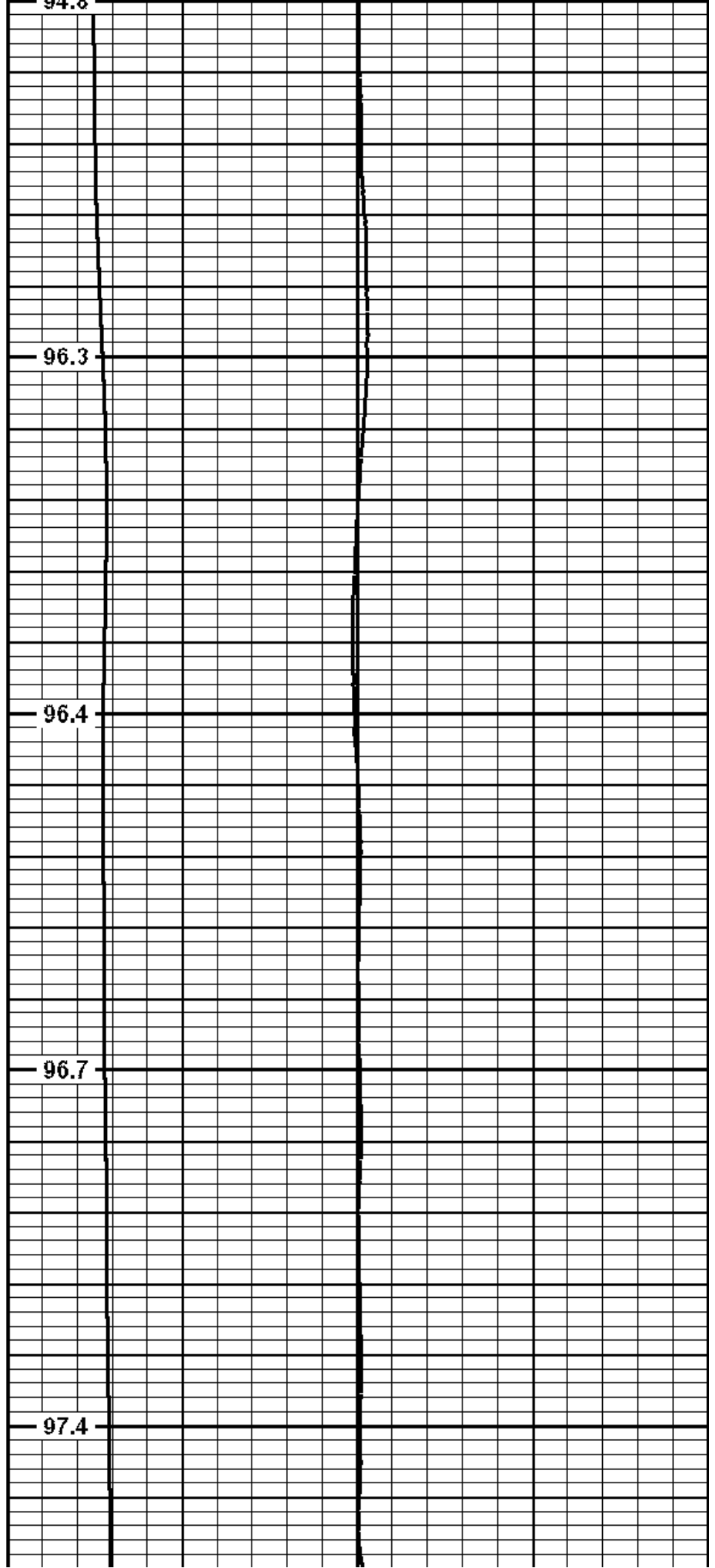
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93.6

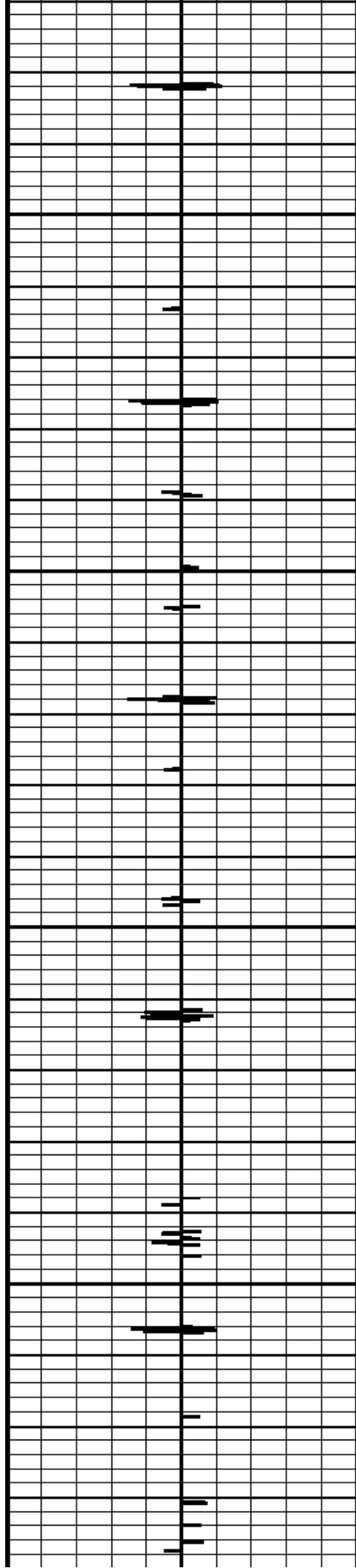
94.8



900  
950  
1000  
1050  
1100



94.8  
96.3  
96.4  
96.7  
97.4

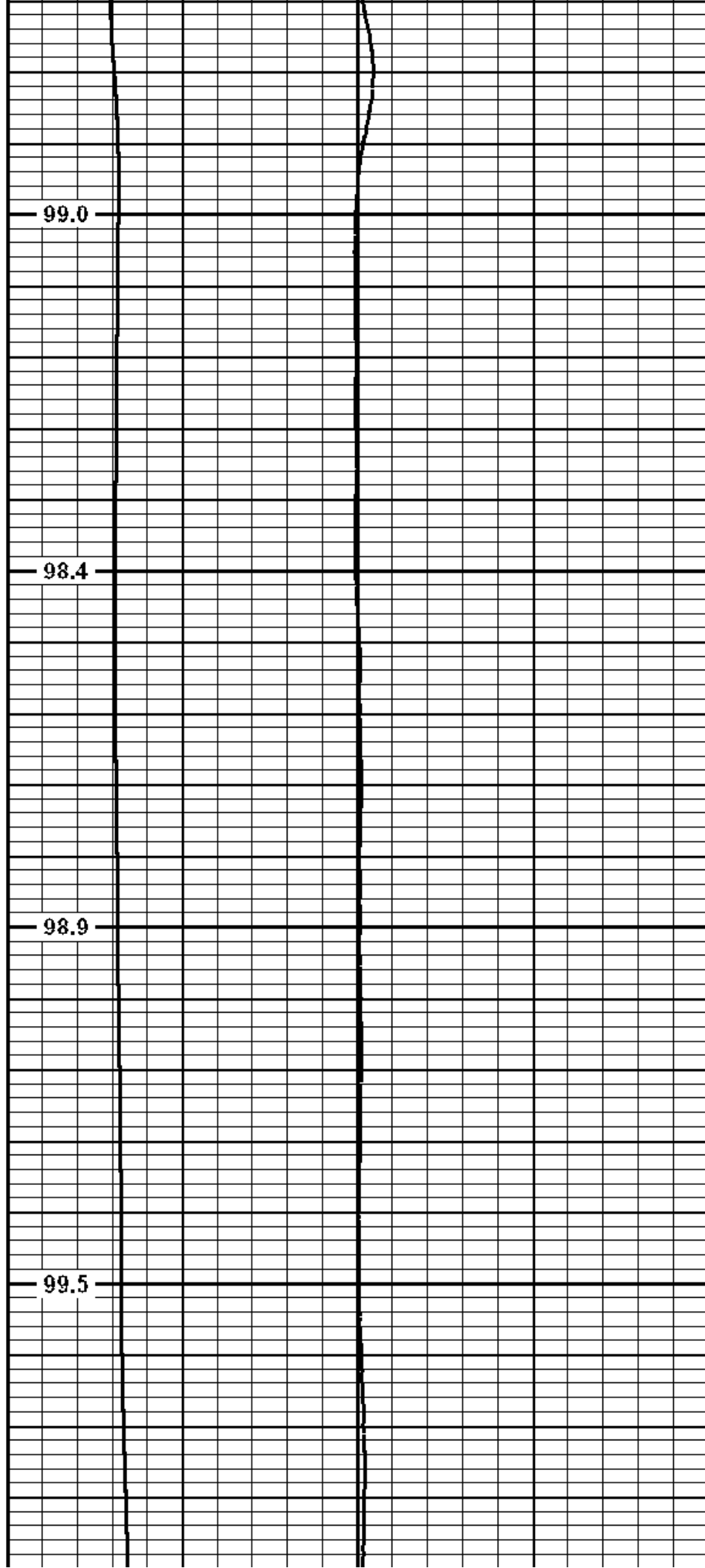


1150

1200

1250

1300



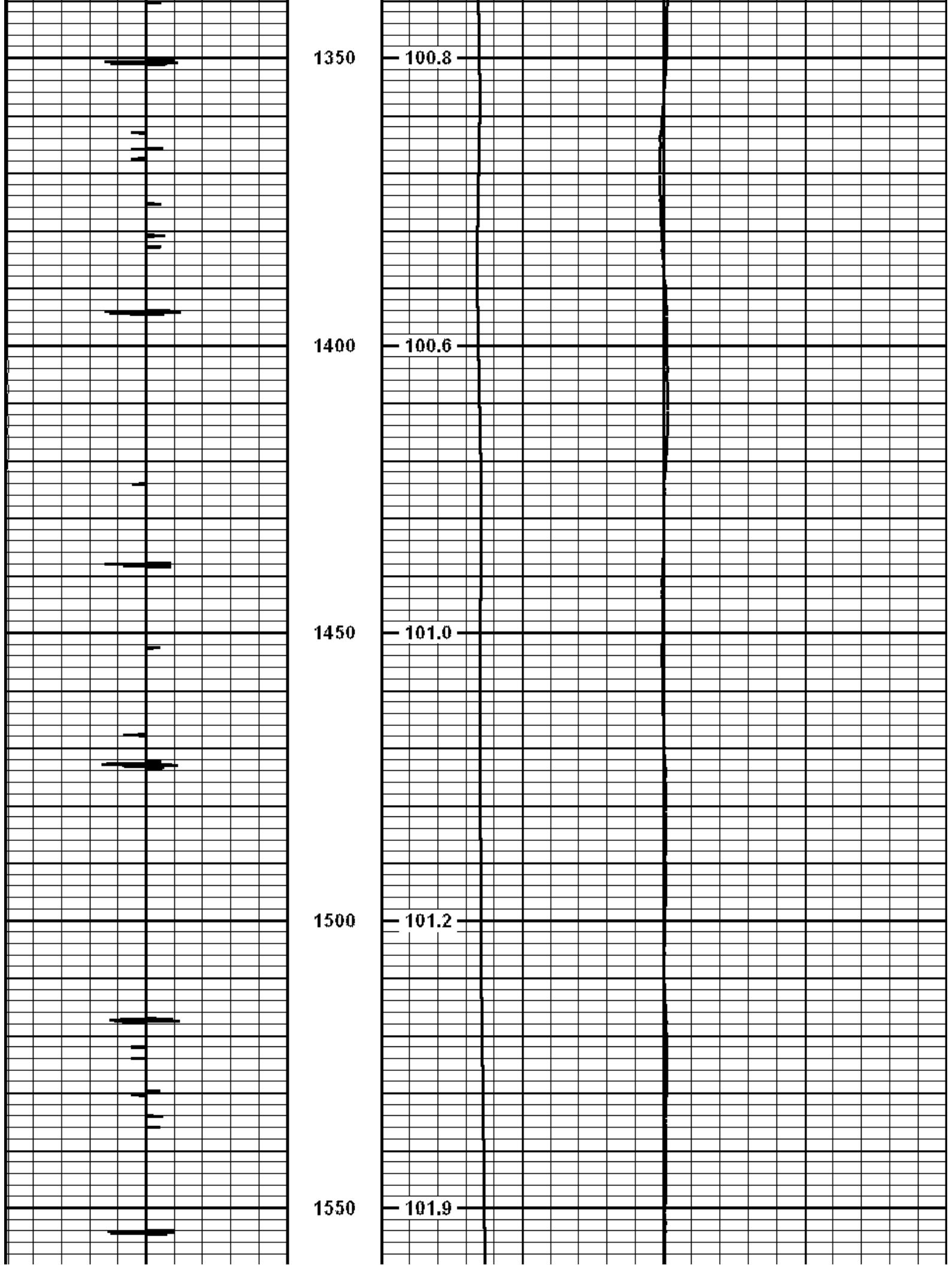
99.0

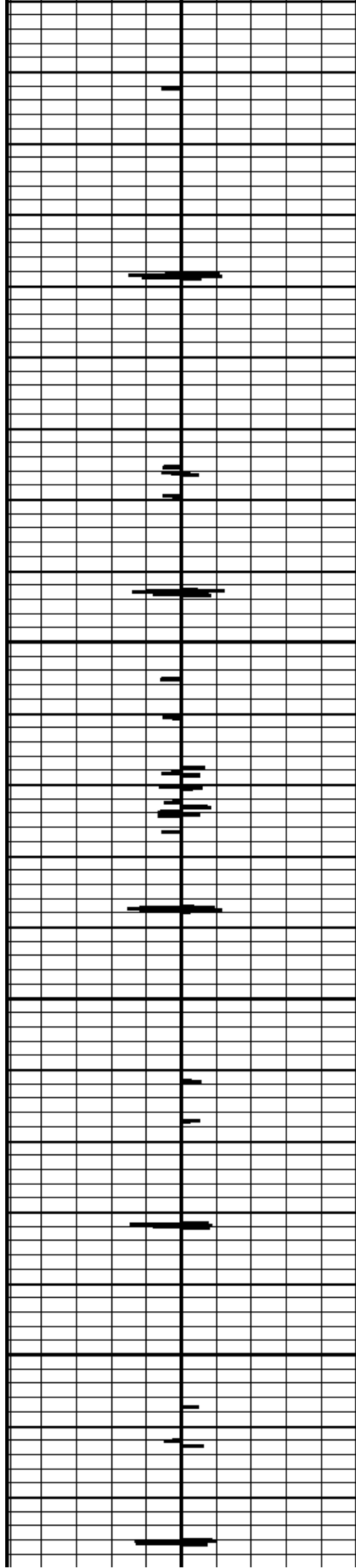
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98.9

99.5





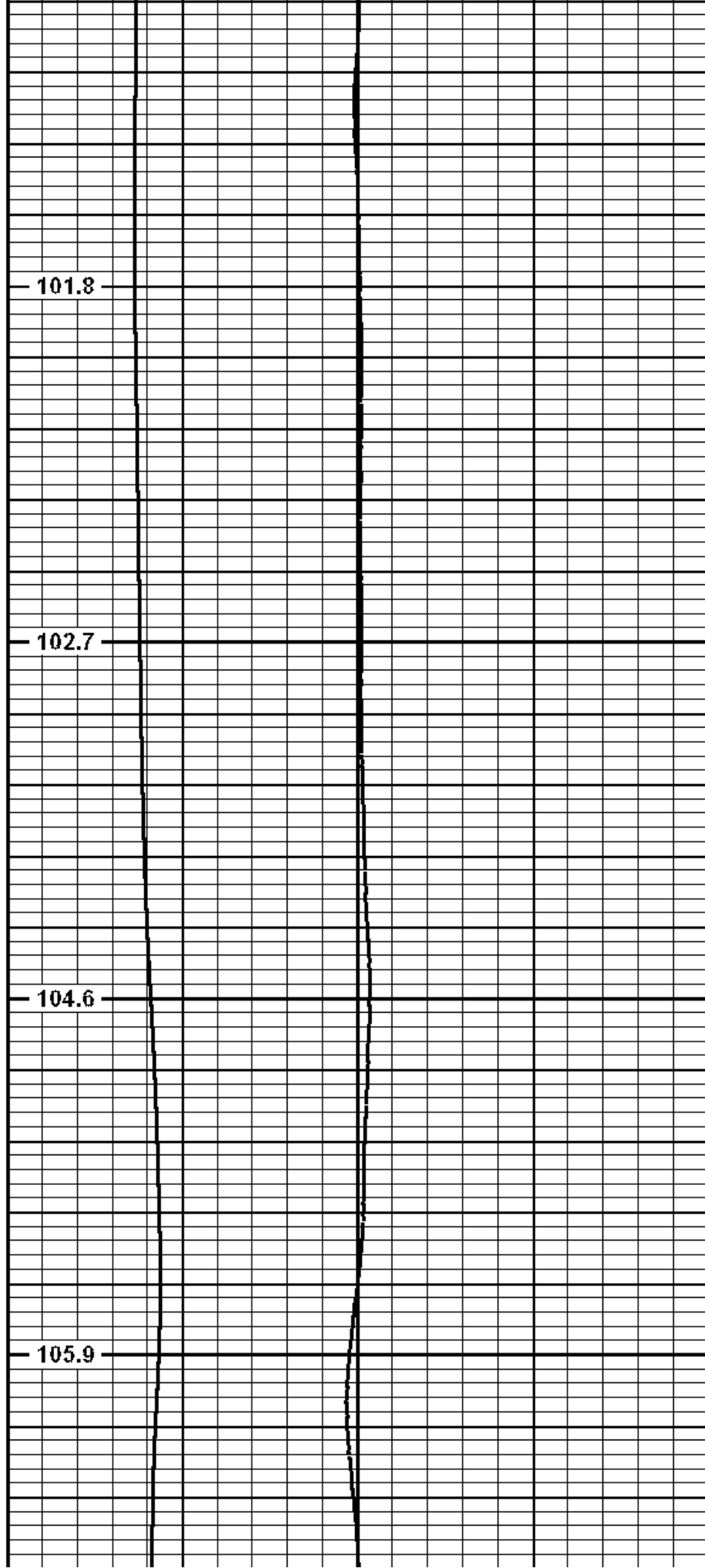


1600

1650

1700

1750

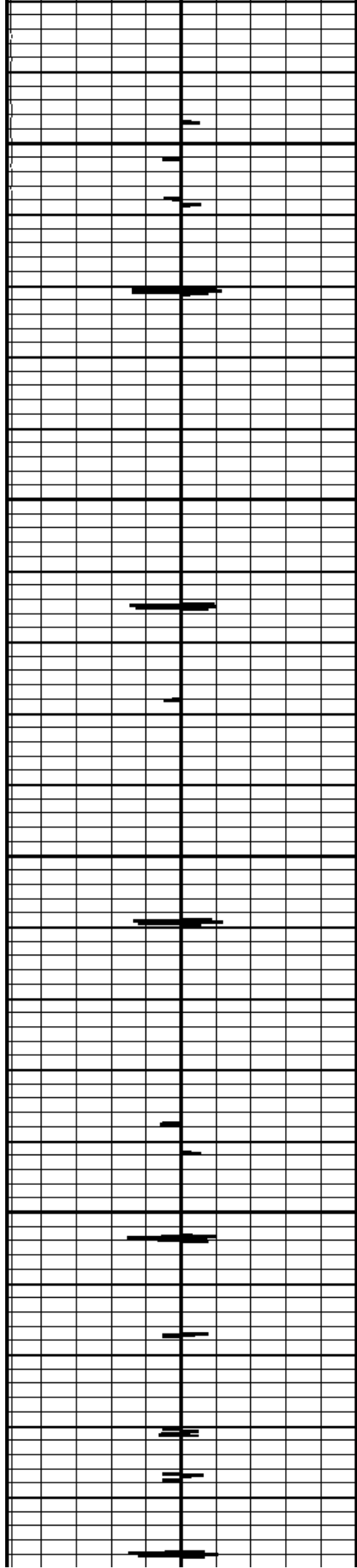


101.8

102.7

104.6

105.9



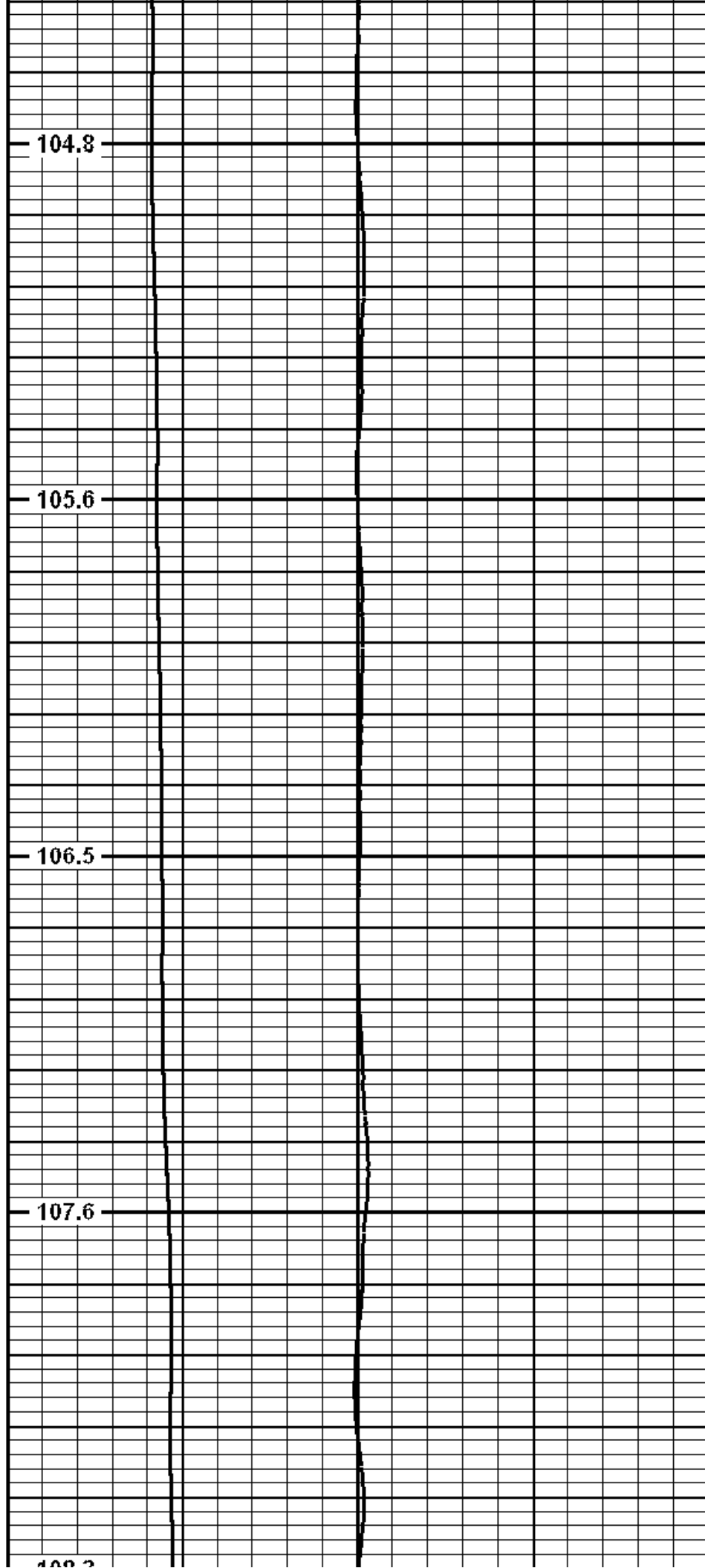
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1850

1900

1950

2000



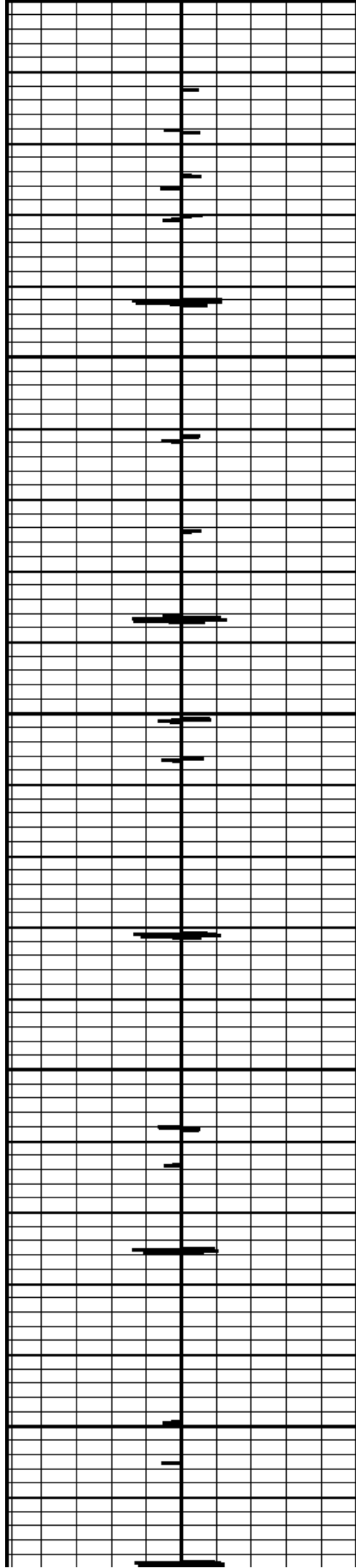
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105.6

106.5

107.6

108.2



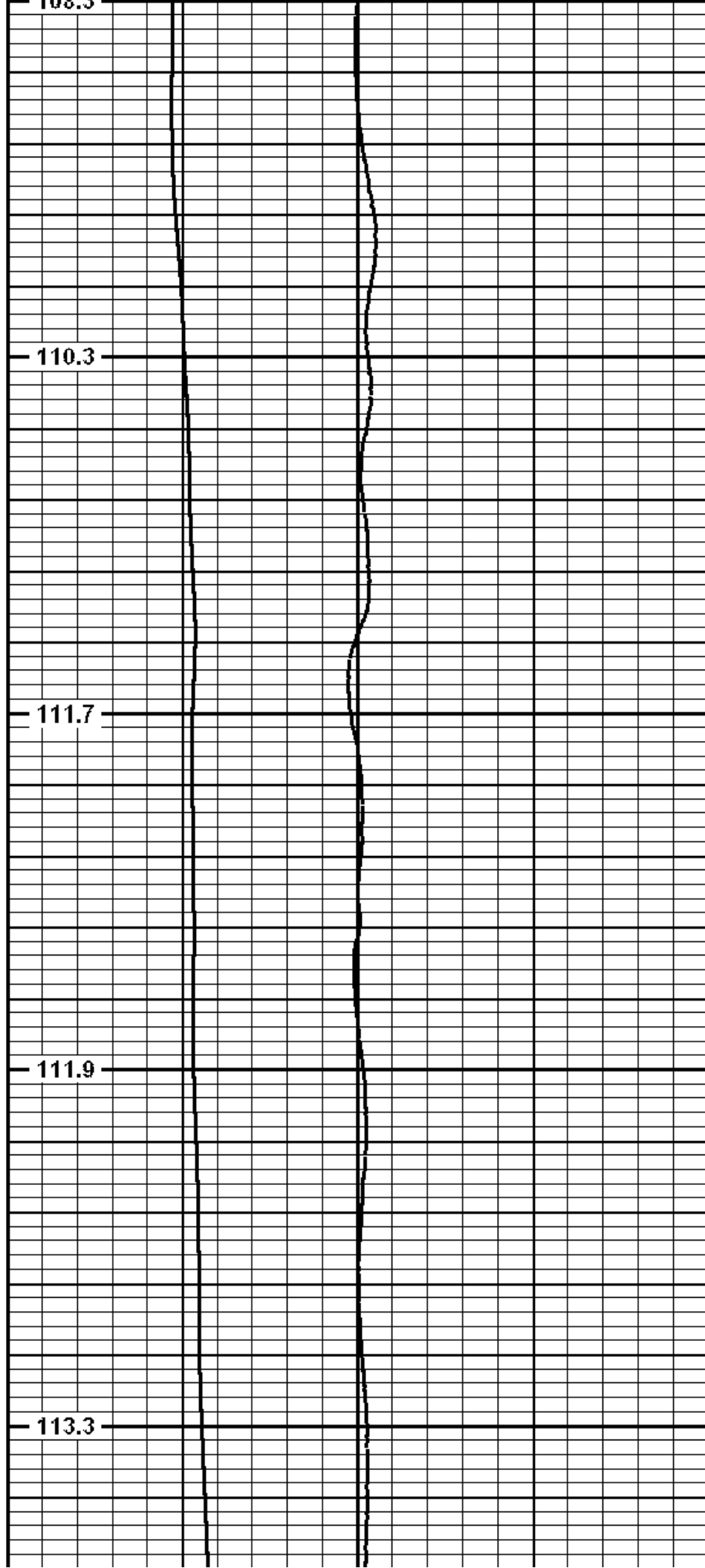
2000

2050

2100

2150

2200



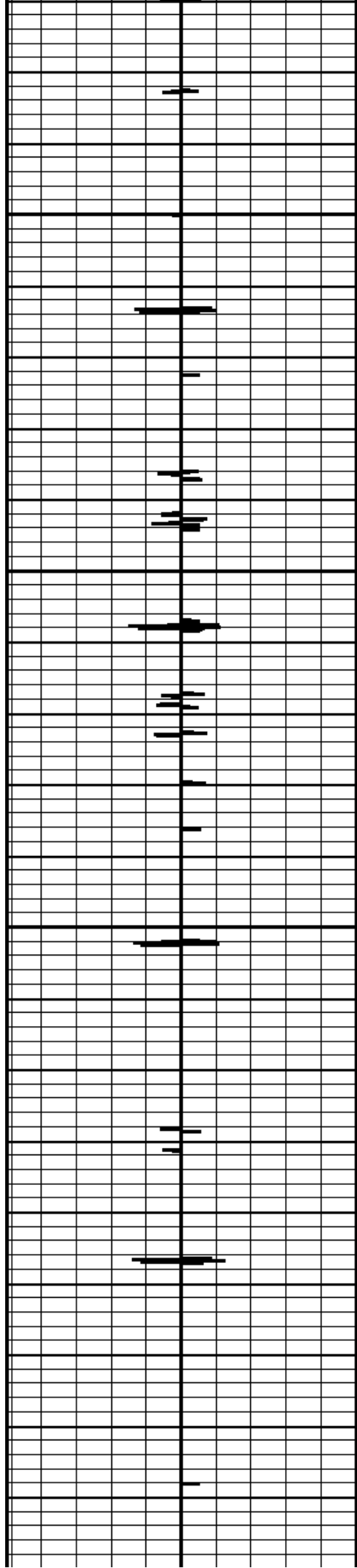
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110.3

111.7

111.9

113.3

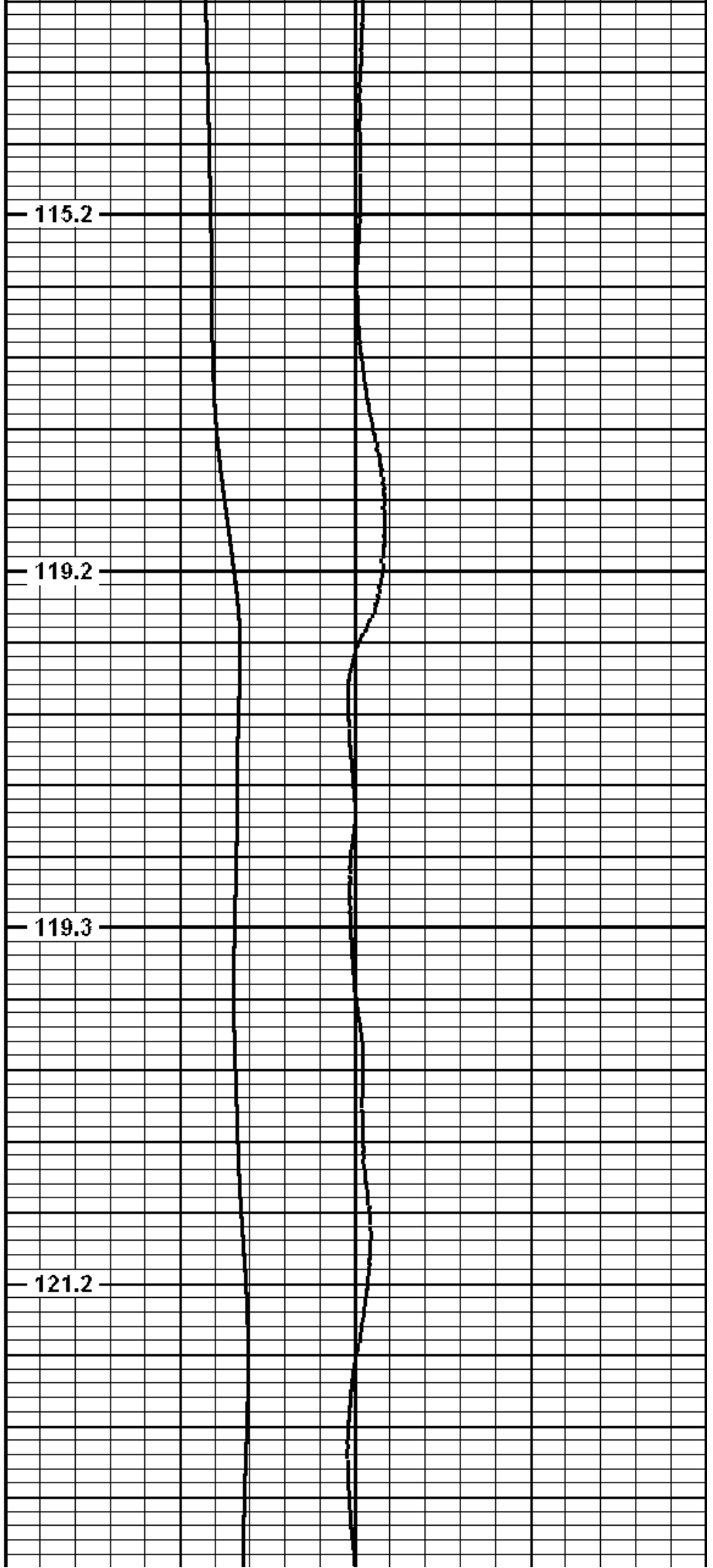


2250

2300

2350

2400

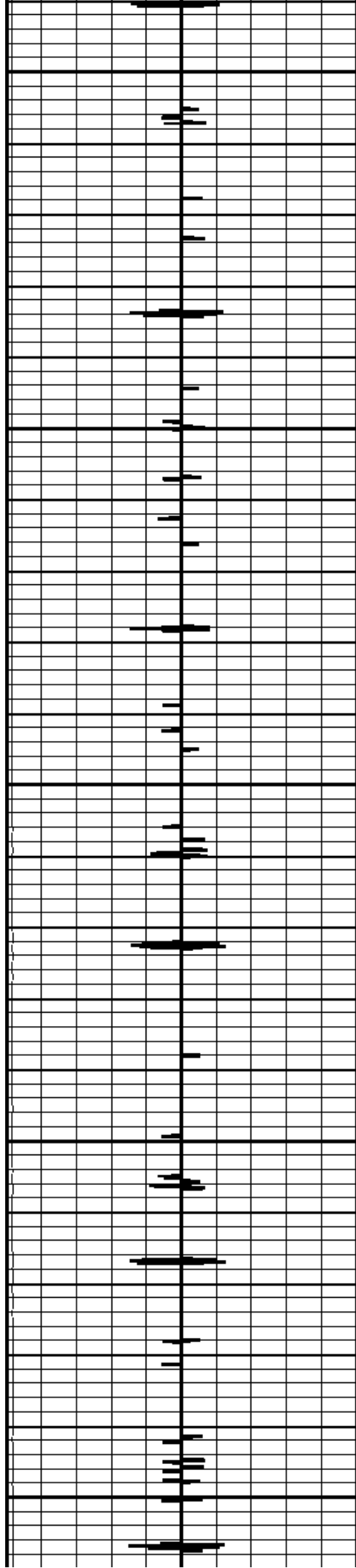


115.2

119.2

119.3

121.2



2450

2500

2550

2600

2650

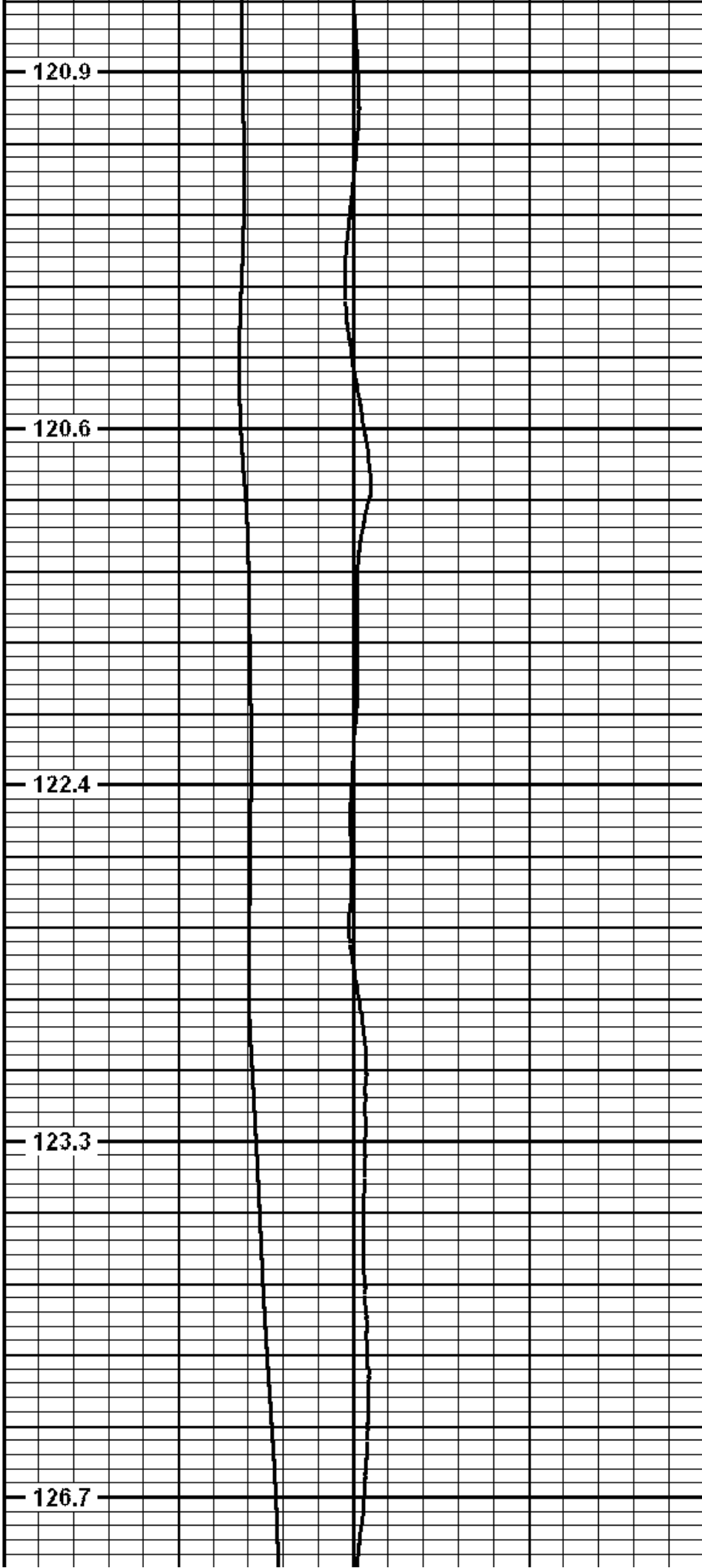
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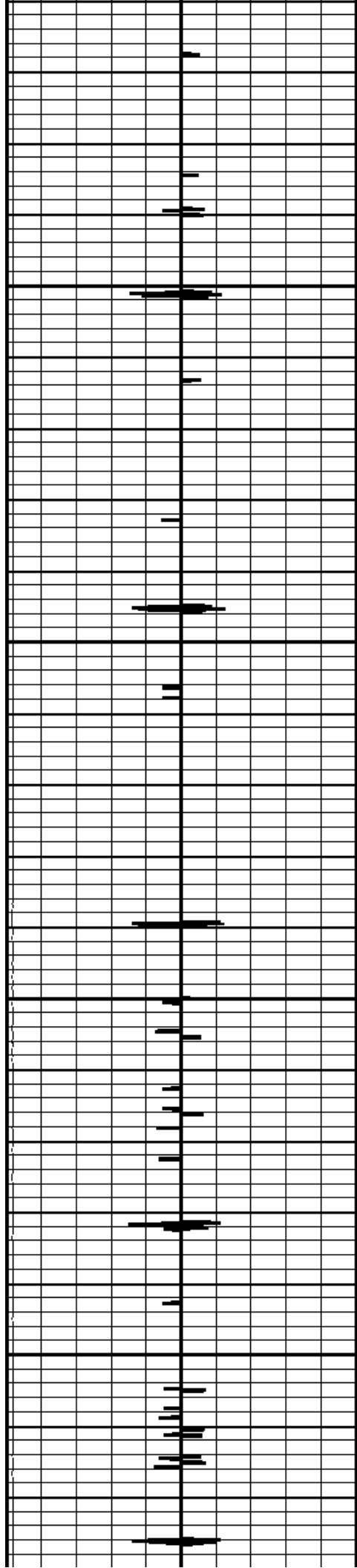
120.6

122.4

123.3

126.7



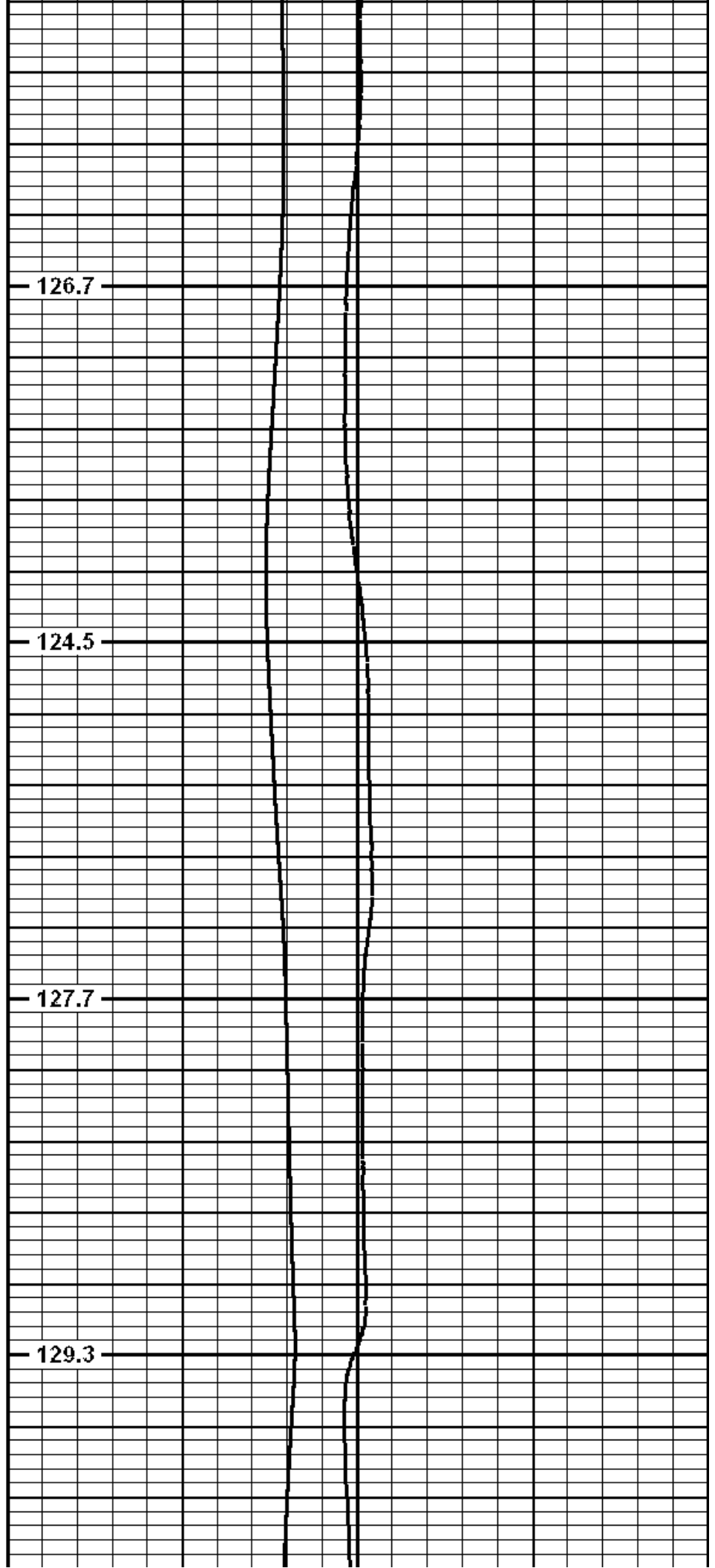


2700

2750

2800

2850

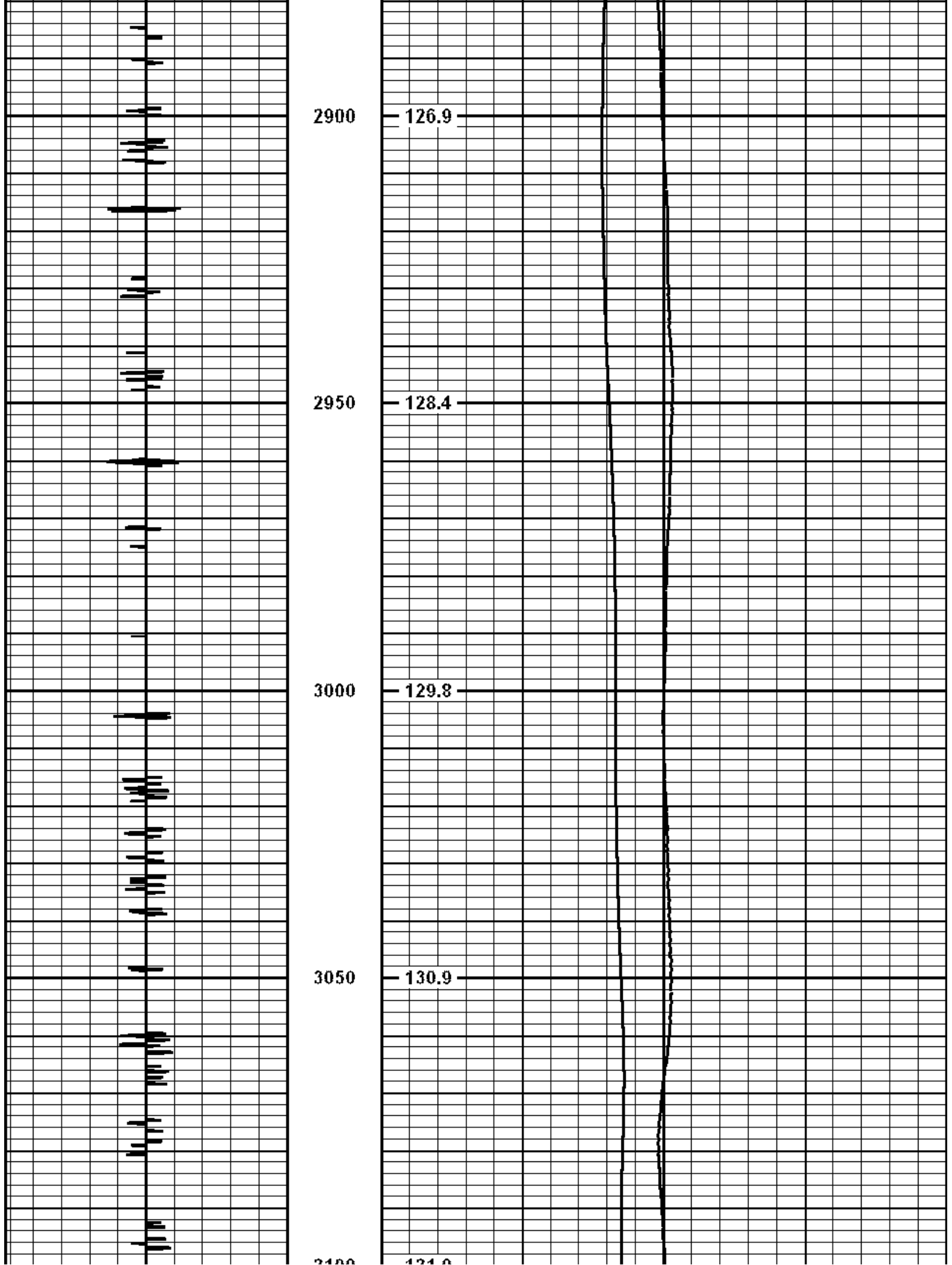


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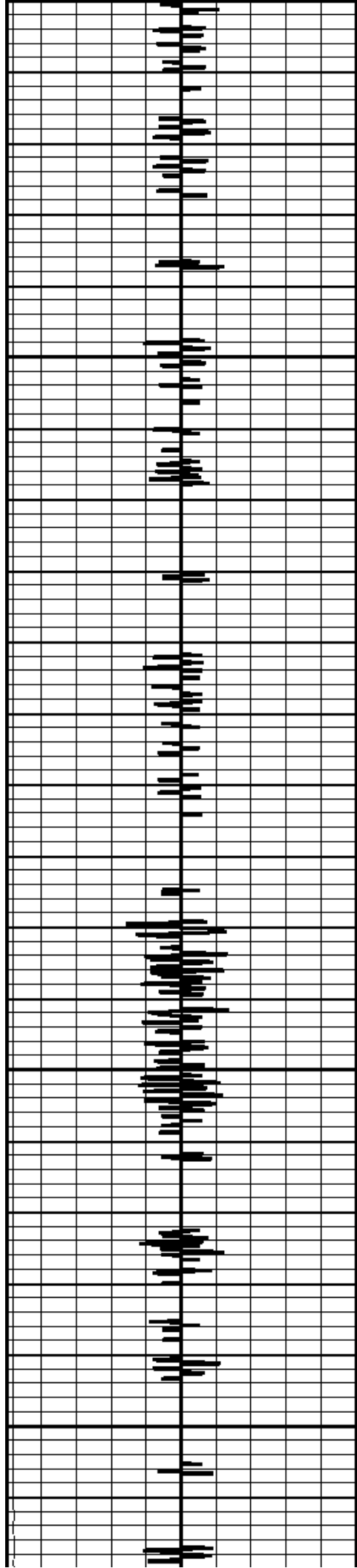
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127.7

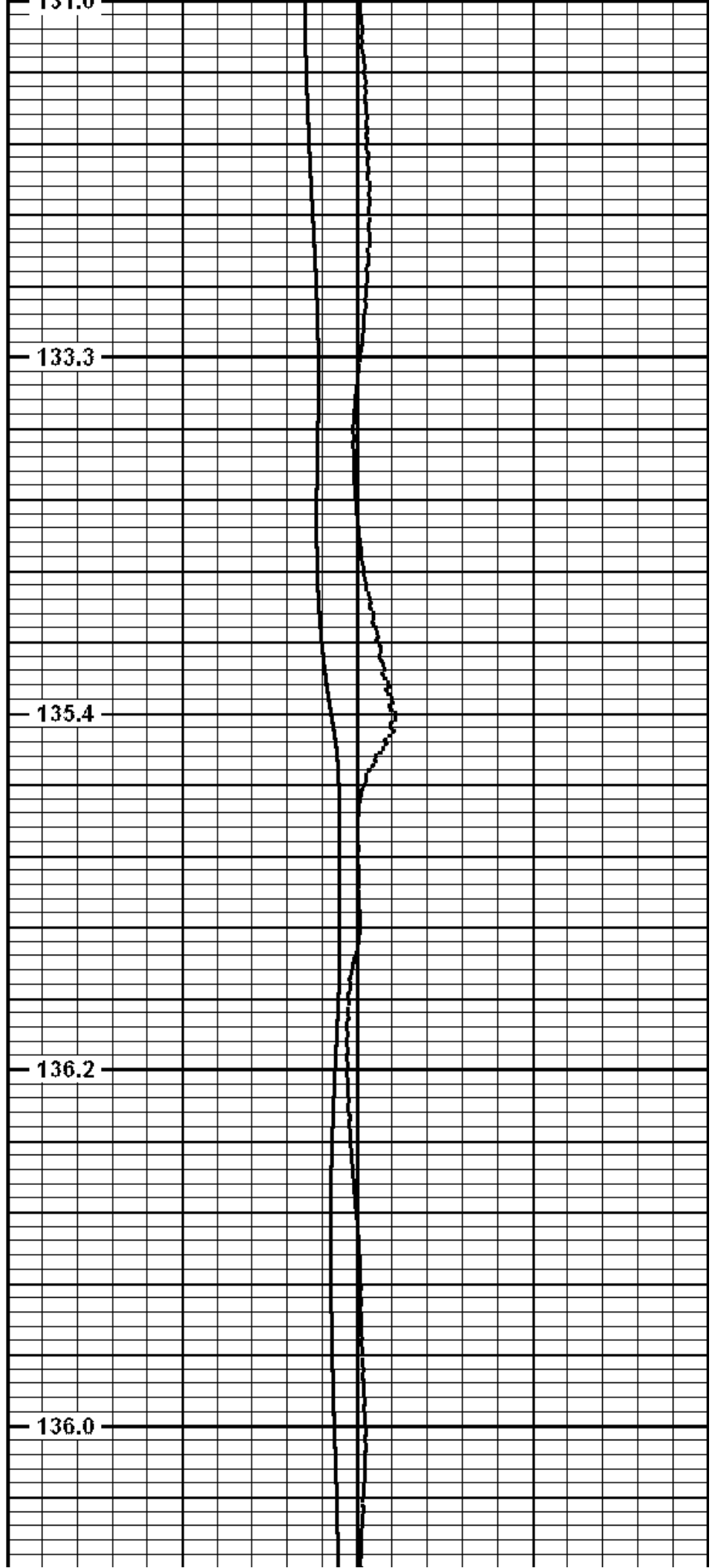
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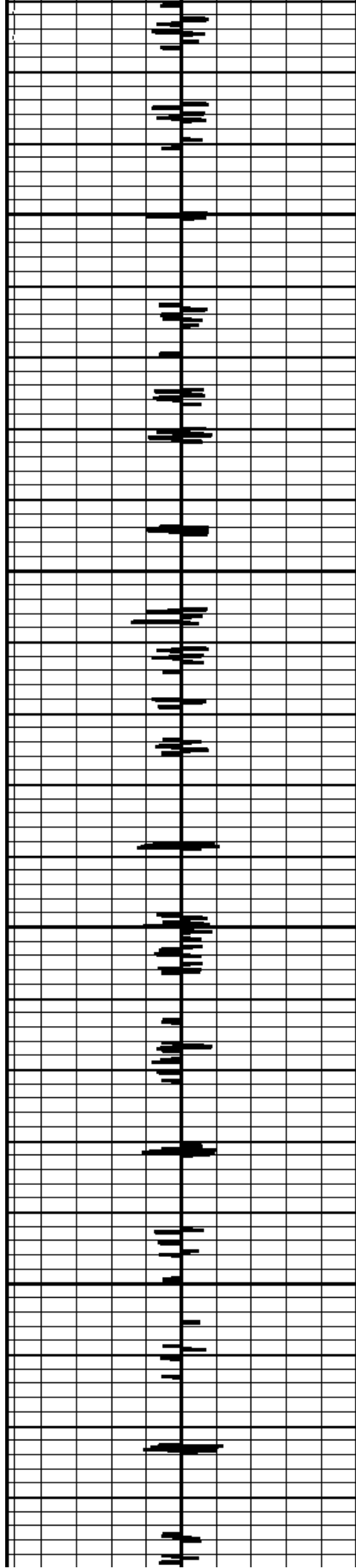




3100  
3150  
3200  
3250  
3300



131.0  
133.3  
135.4  
136.2  
136.0



3350

136.2

3400

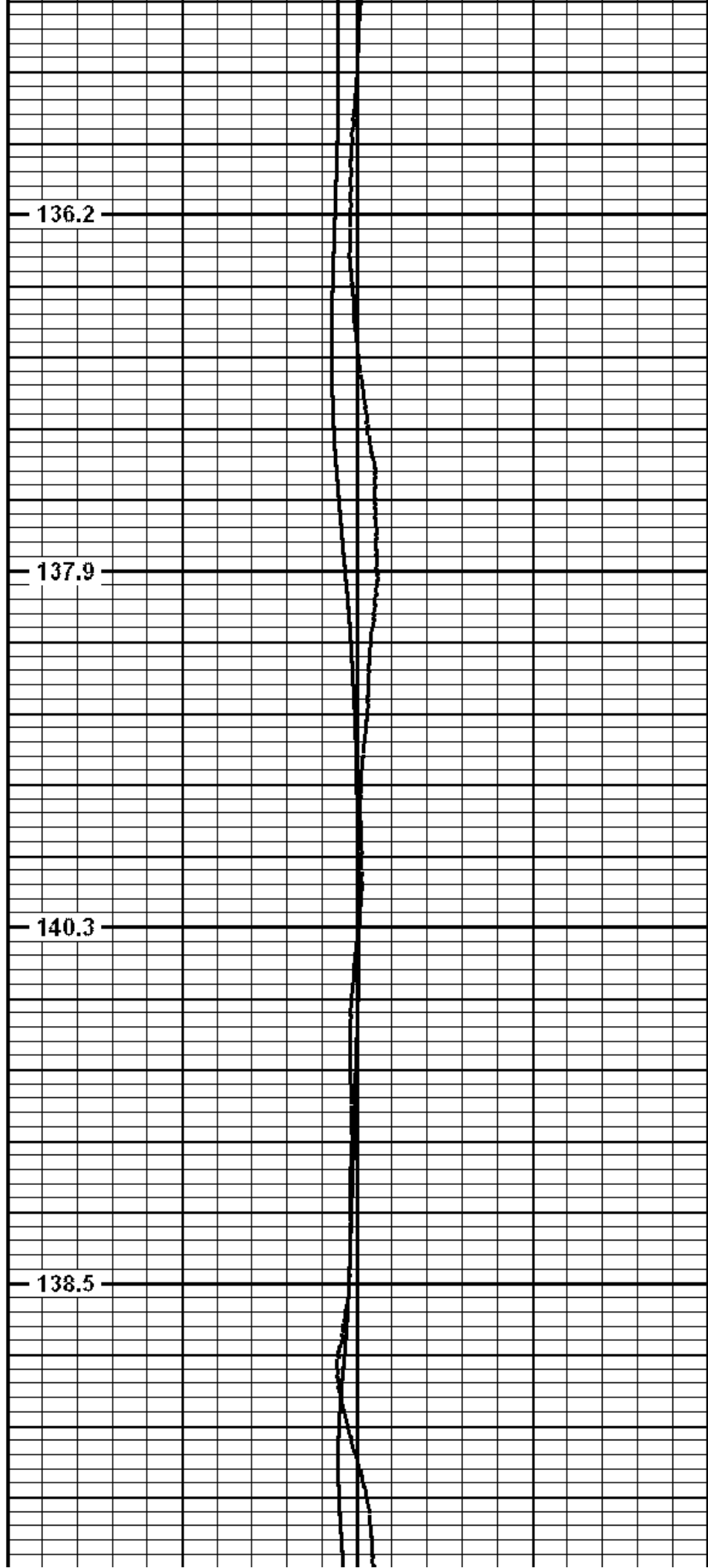
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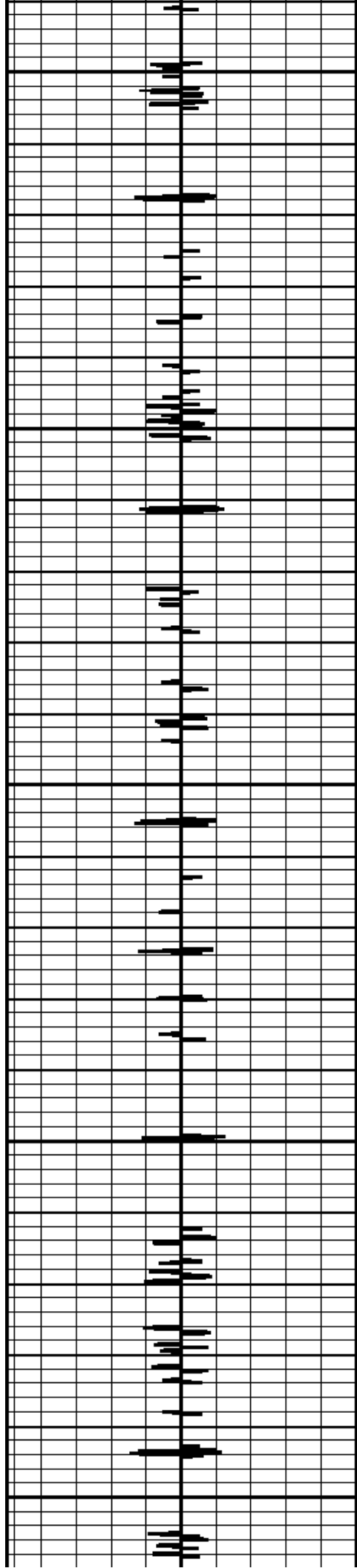
3450

140.3

3500

138.5





3550

138.5

3600

139.2

3650

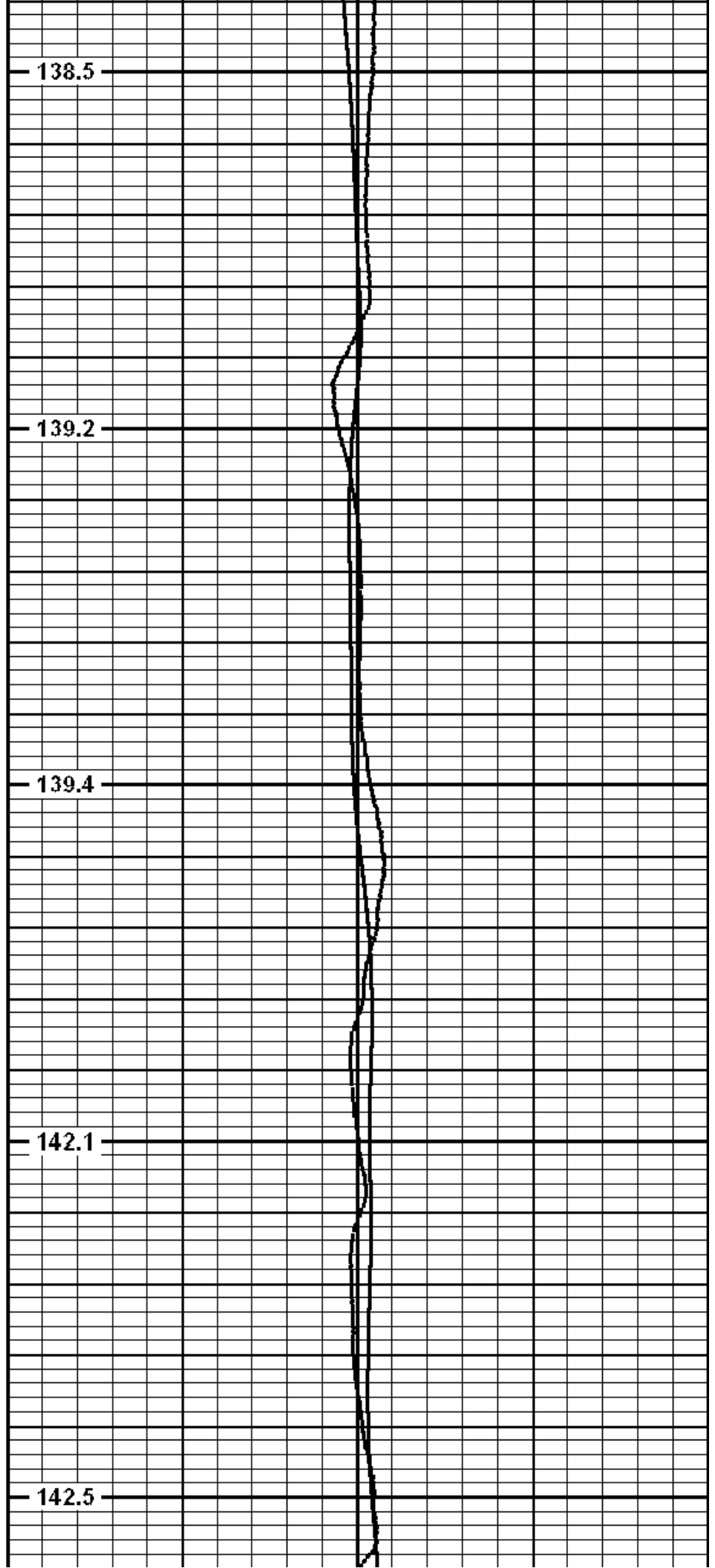
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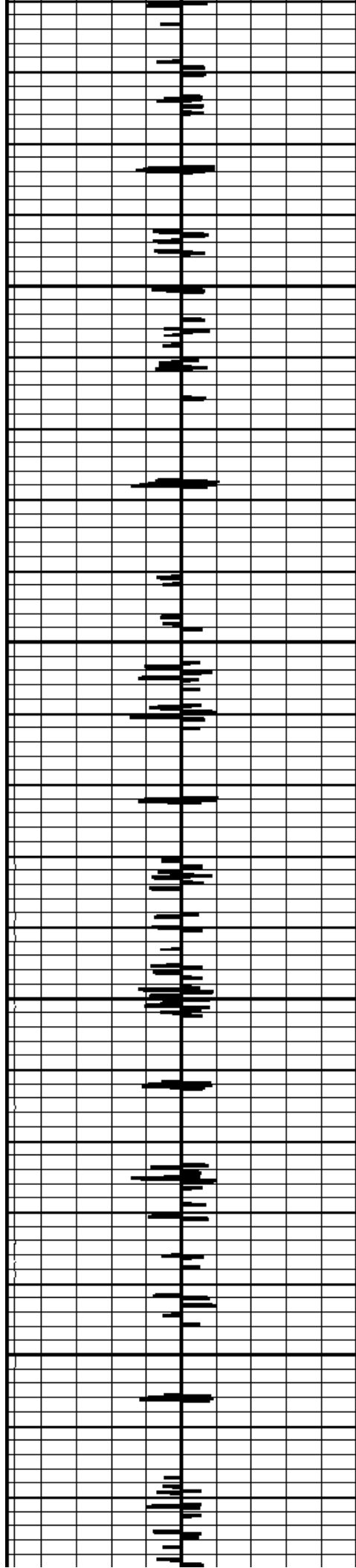
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142.1

3750

142.5



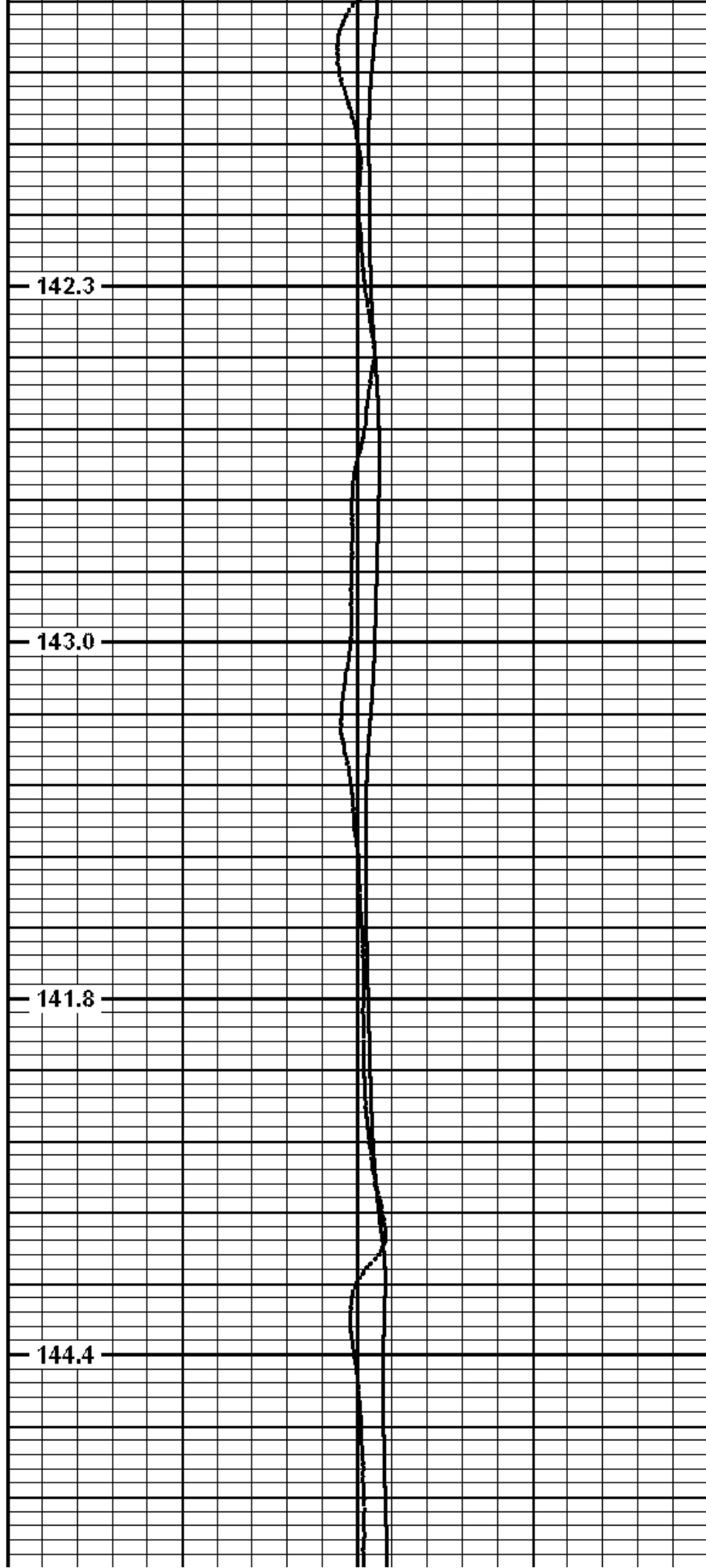


3800

3850

3900

3950

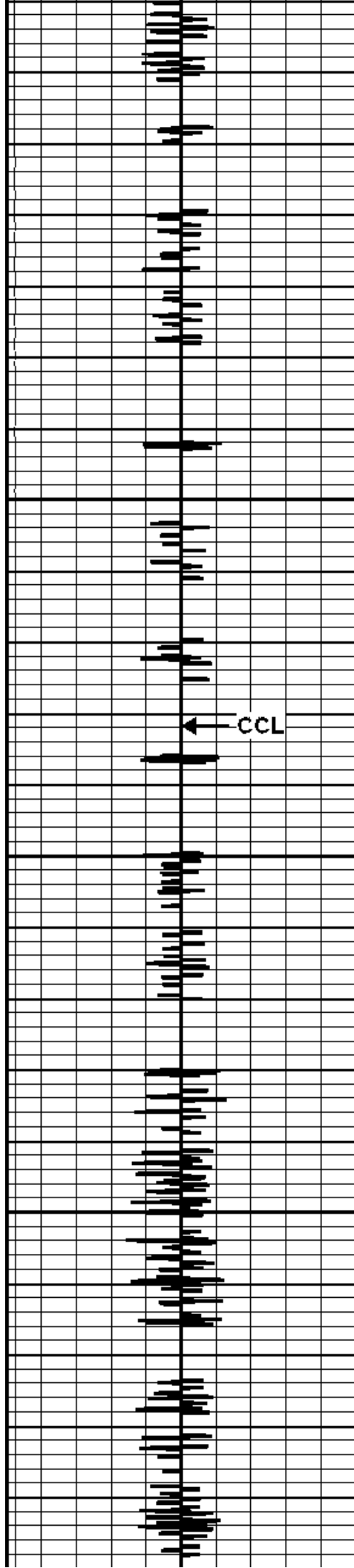


142.3

143.0

141.8

144.4



4000

4050

4100

4150

4200

CCL

145.6

144.4

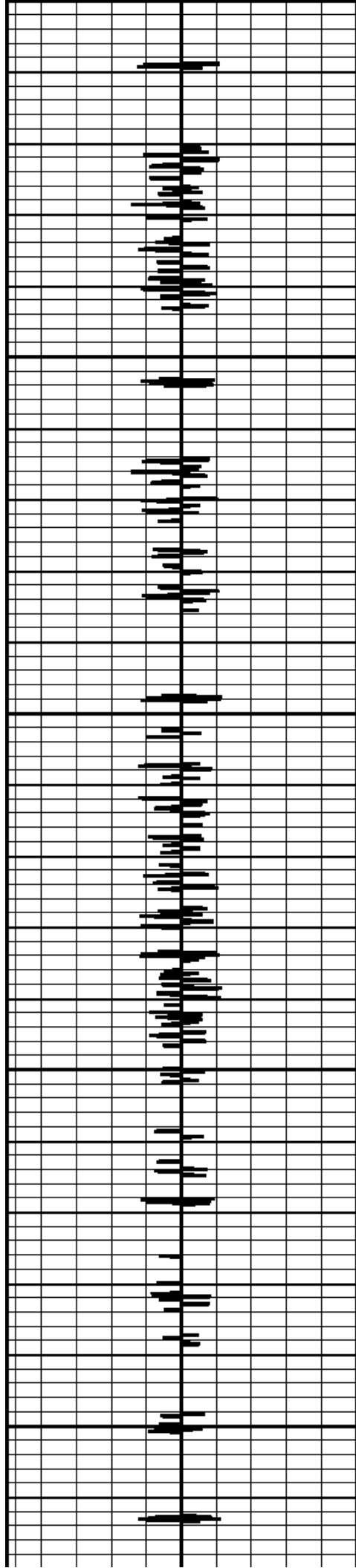
145.3

147.3

148.2

Delta Temperature

Temperature



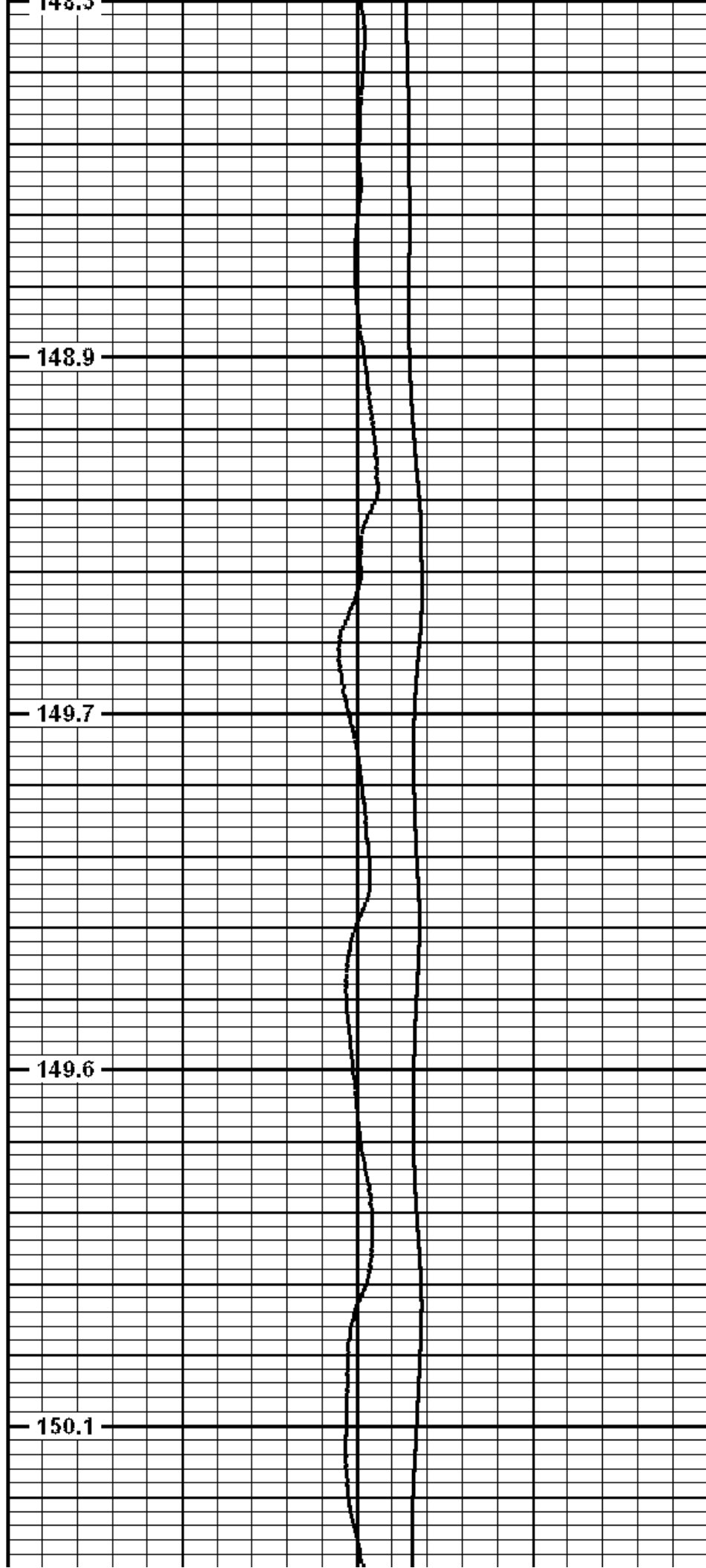
4200

4250

4300

4350

4400



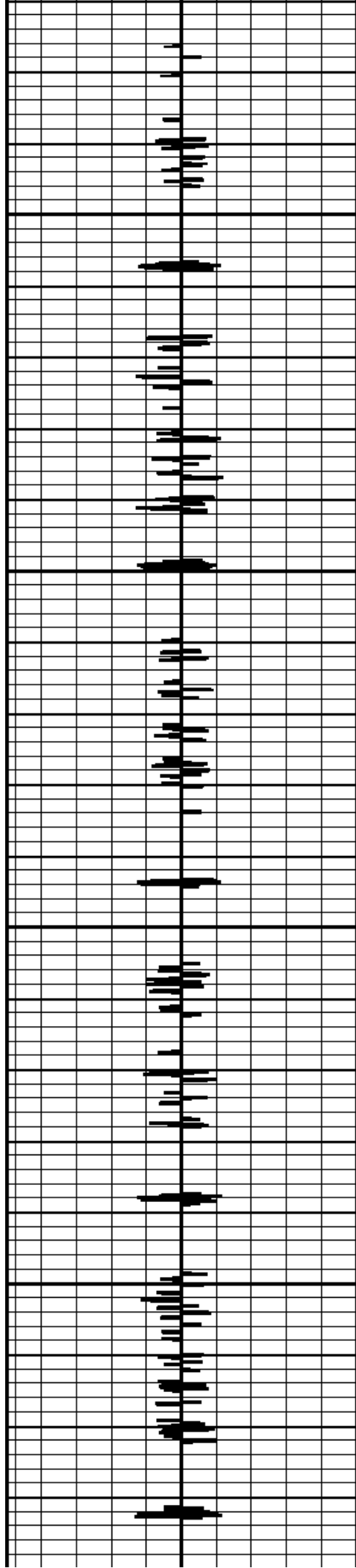
148.5

148.9

149.7

149.6

150.1

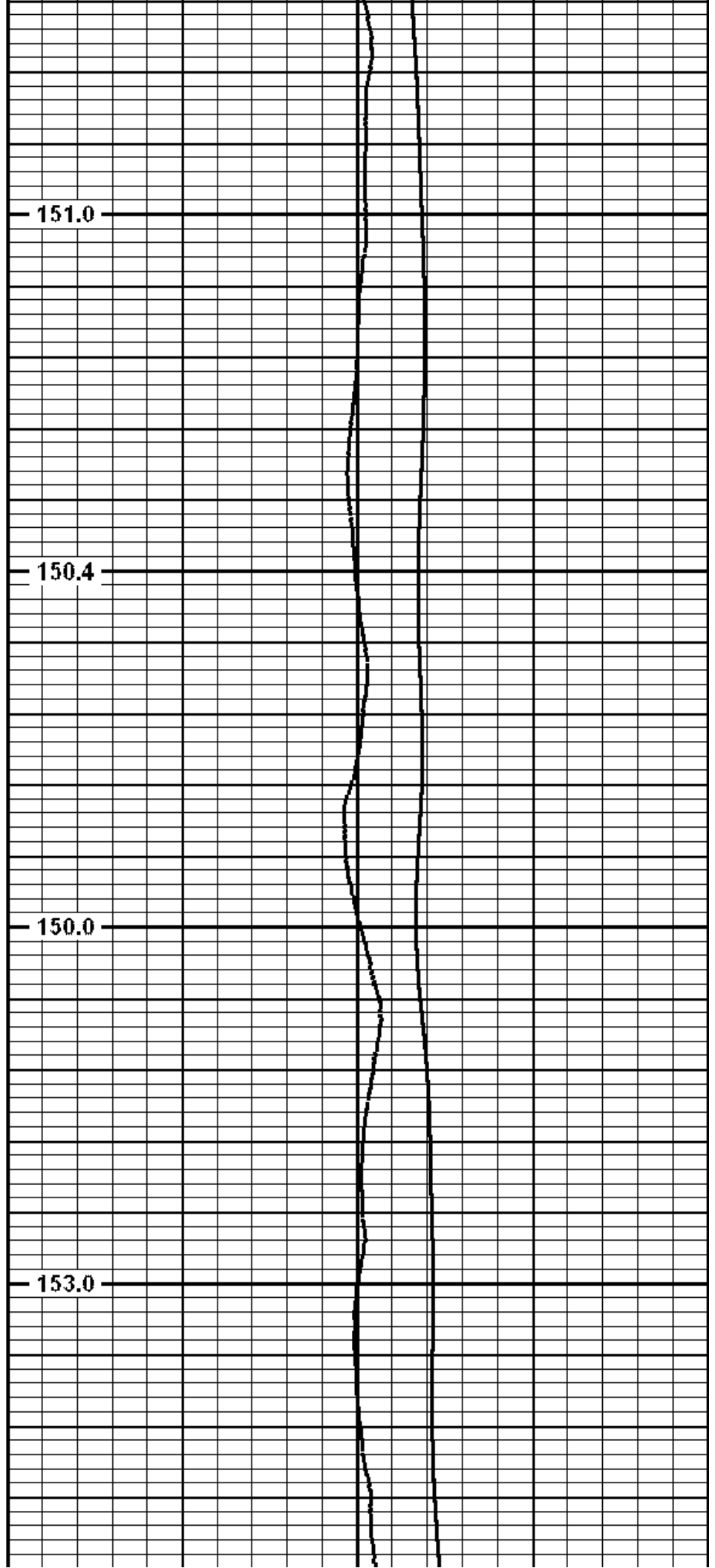


4450

4500

4550

4600

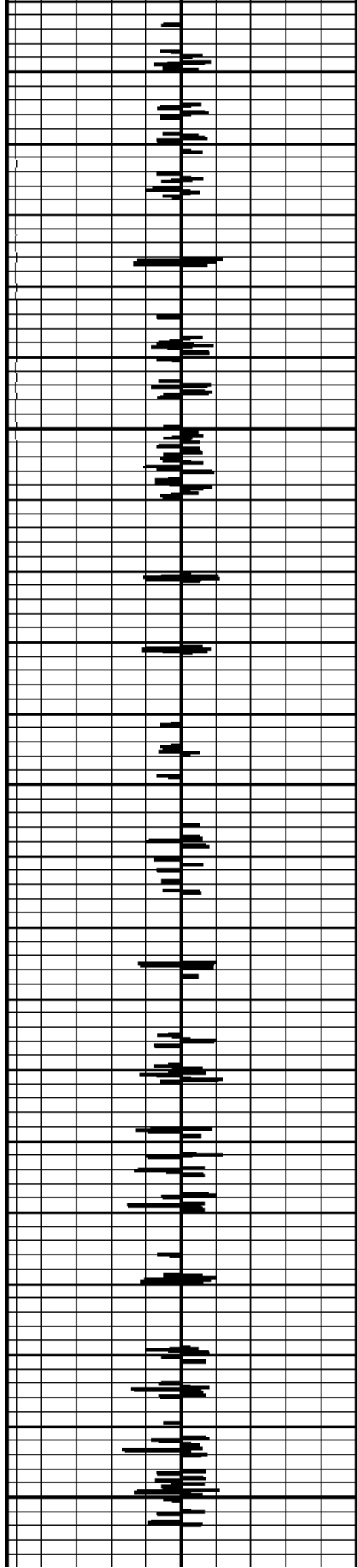


151.0

150.4

150.0

153.0



4650

4700

4750

4800

4850

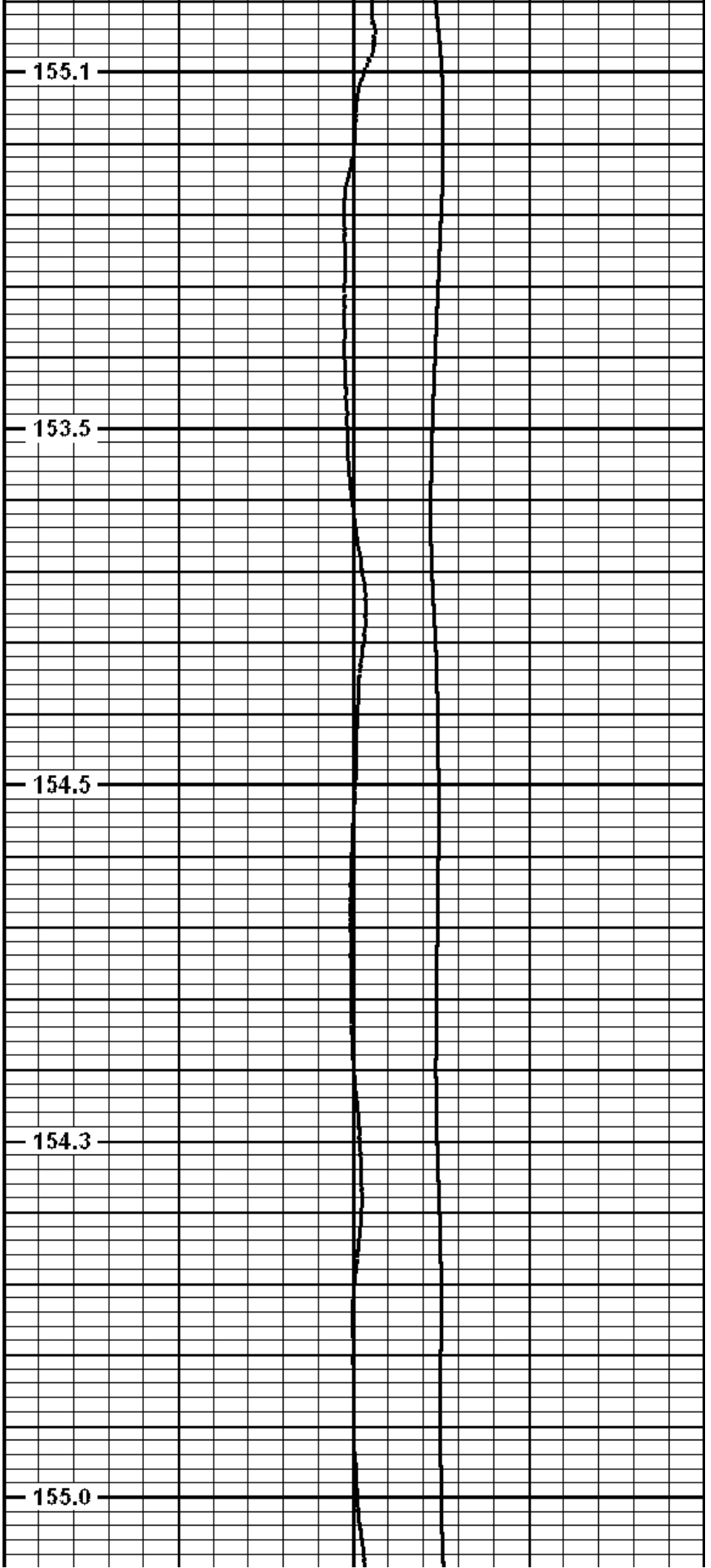
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153.5

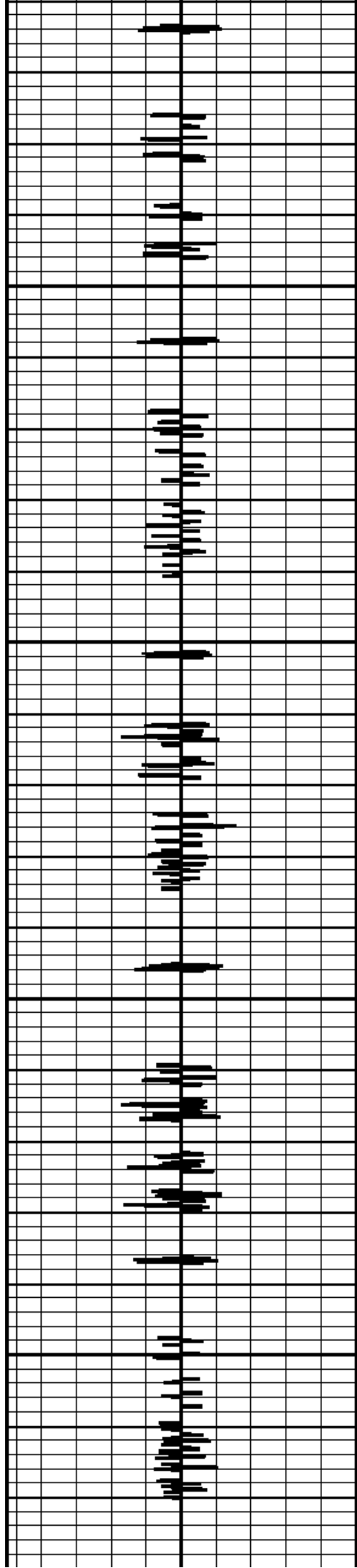
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154.3

155.0





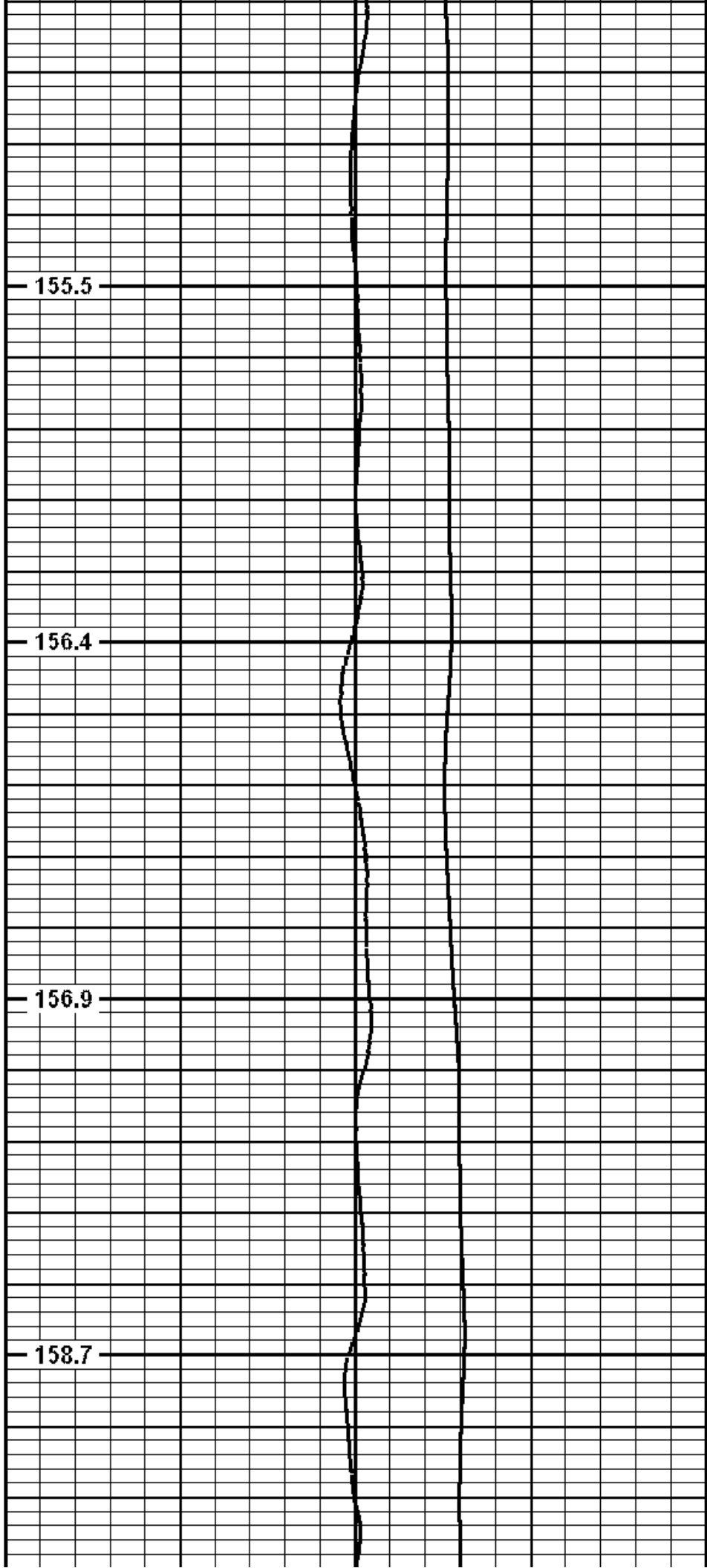


4900

4950

5000

5050

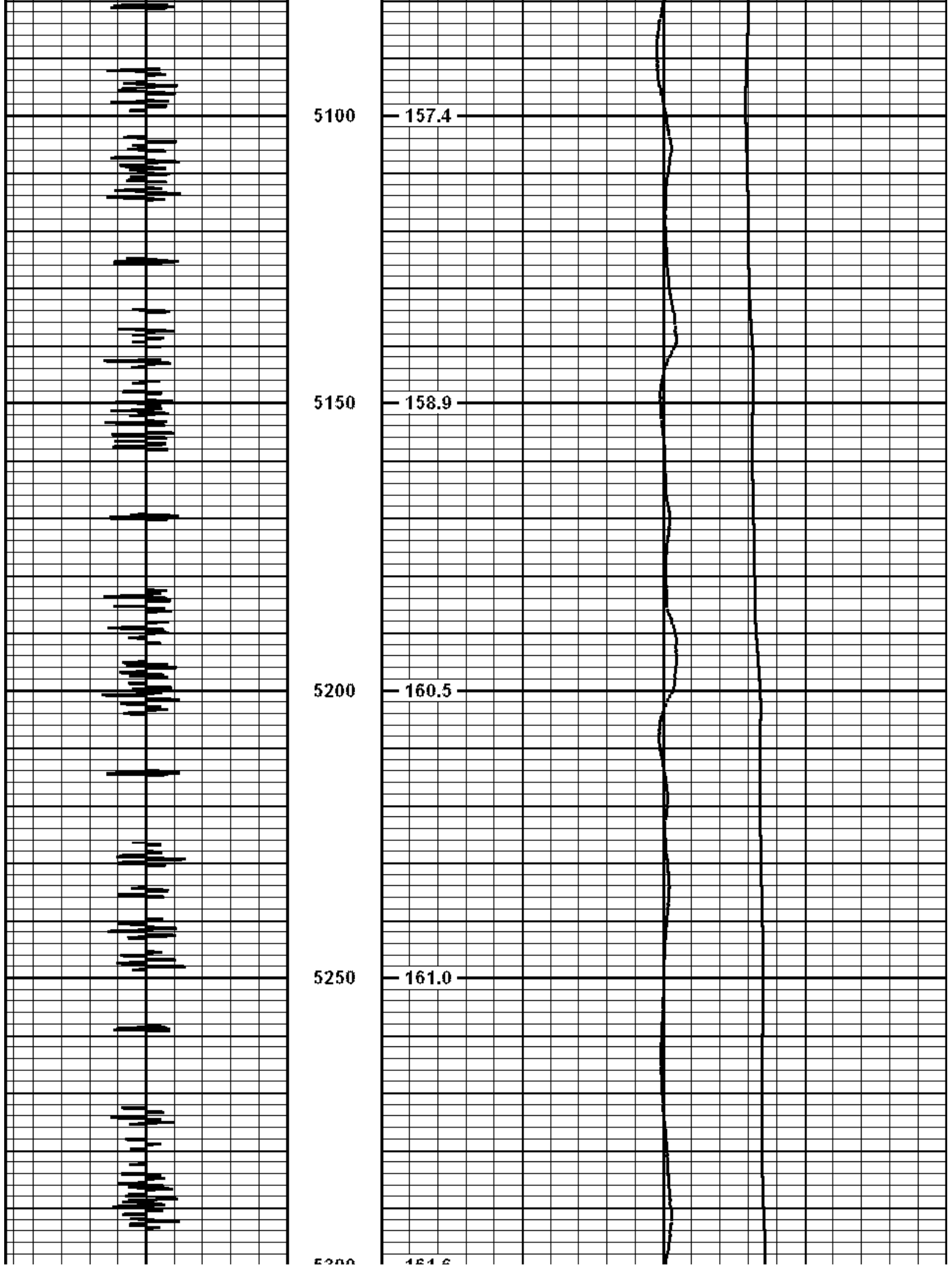


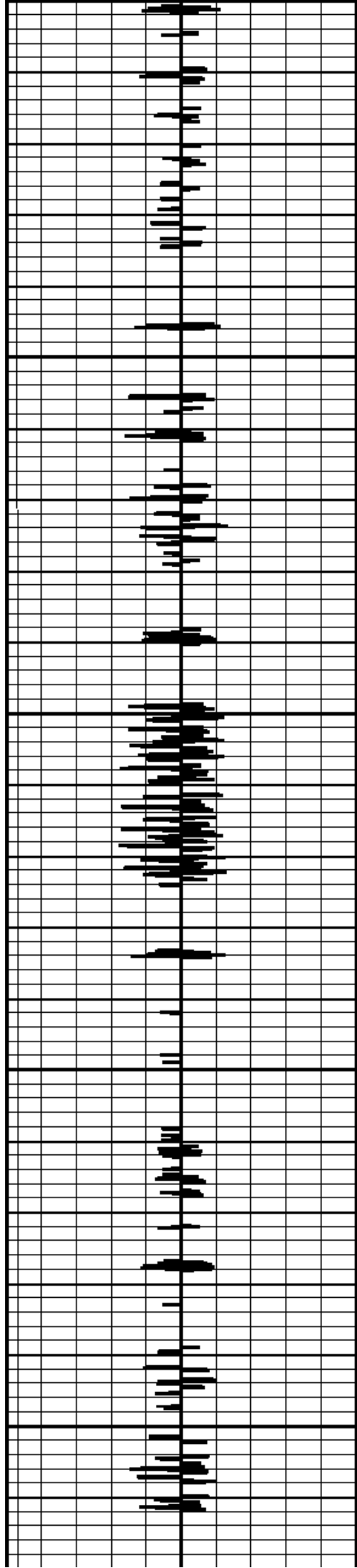
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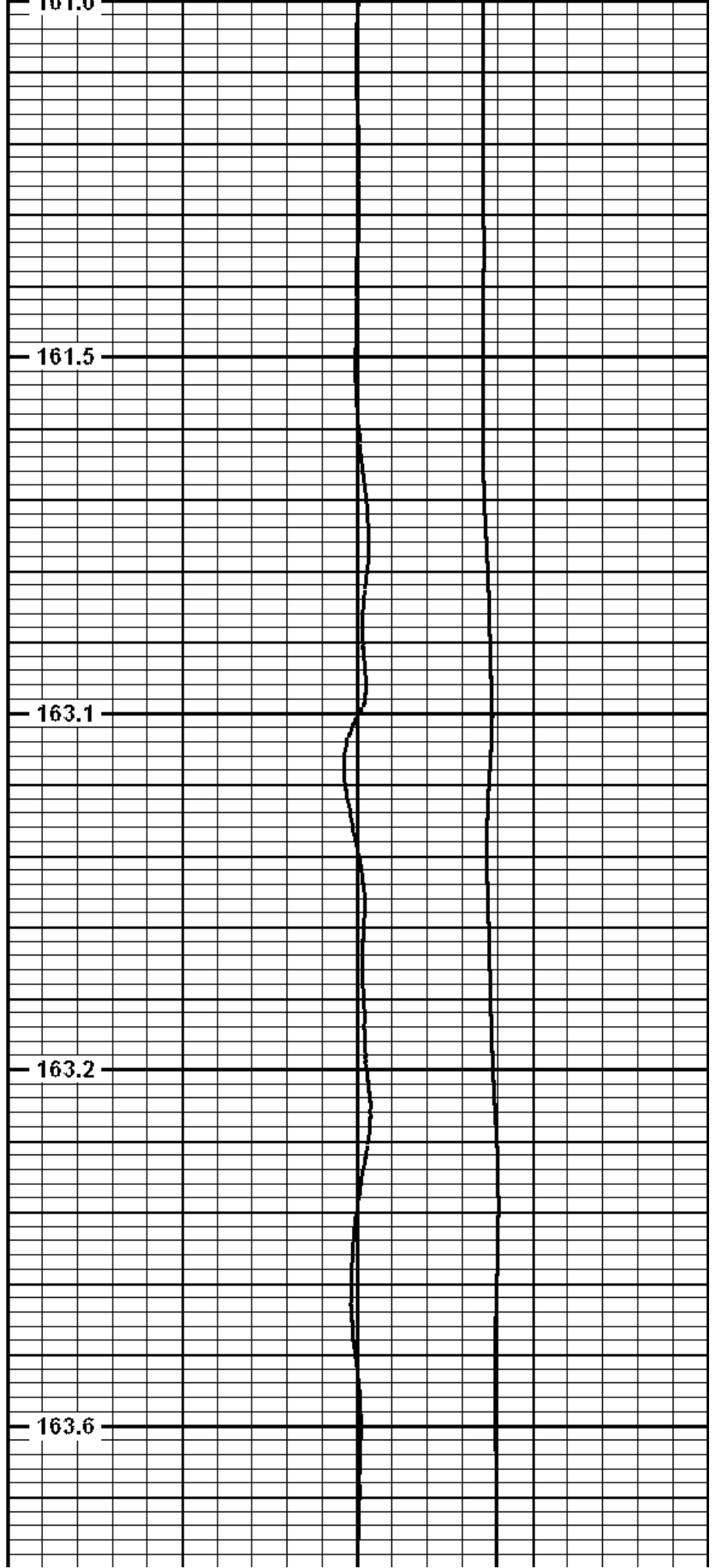
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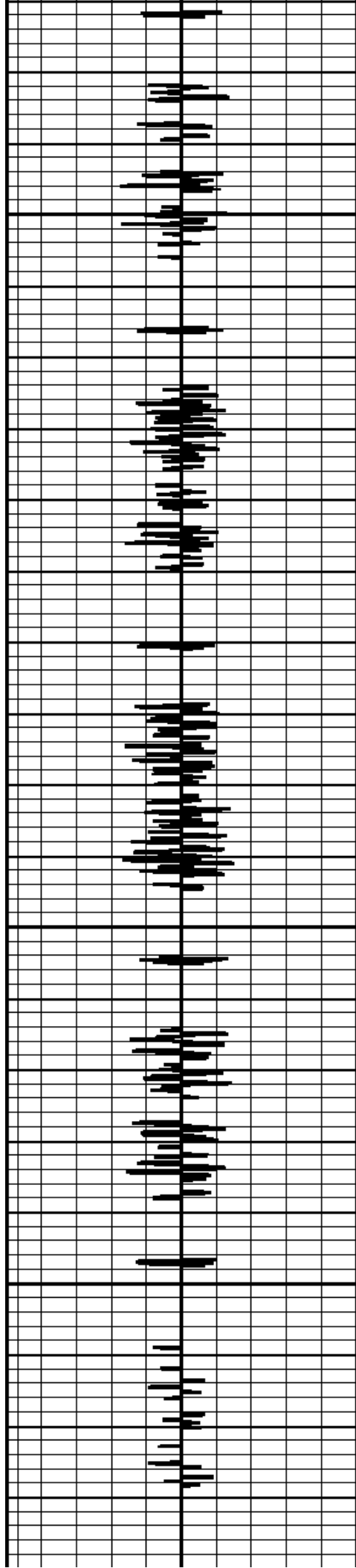




5350  
5400  
5450  
5500



161.5  
163.1  
163.2  
163.6

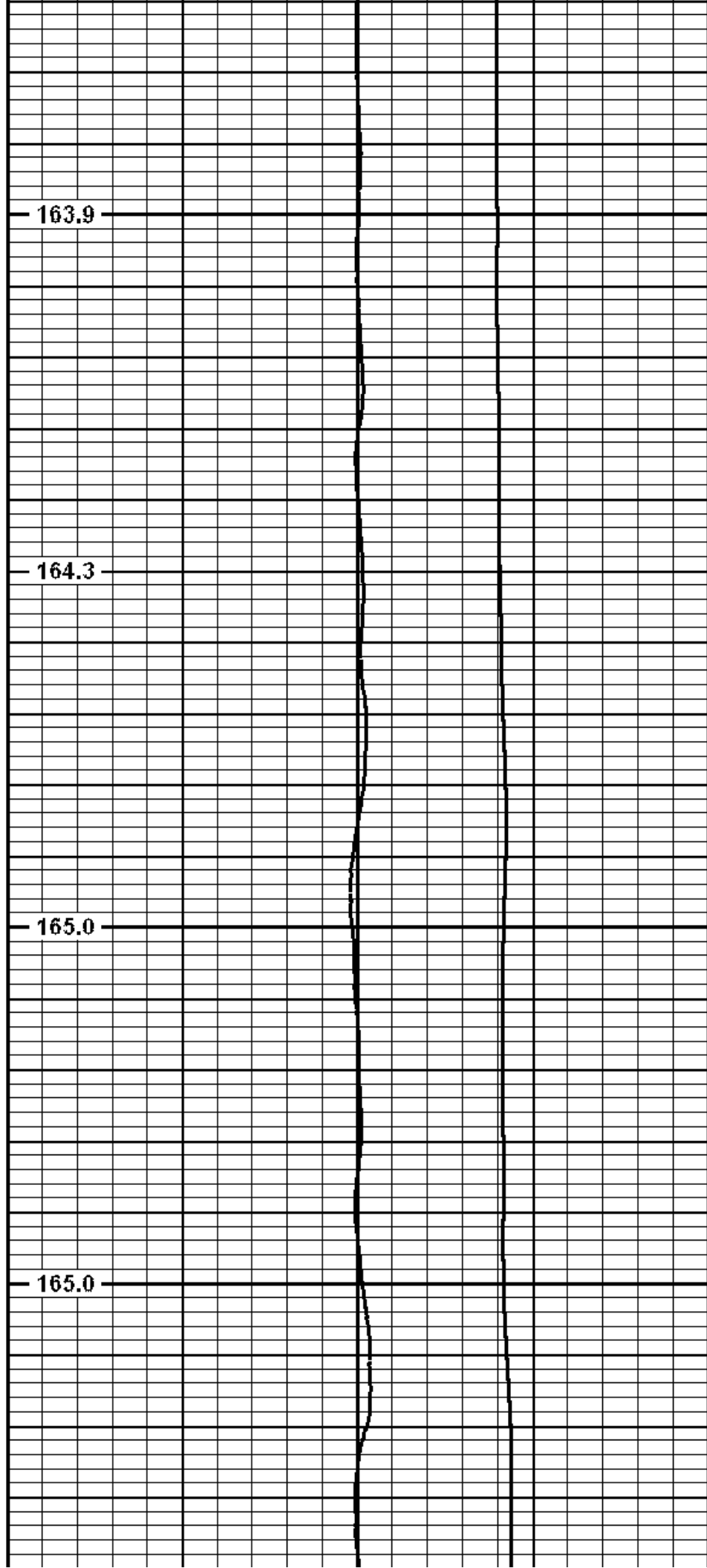


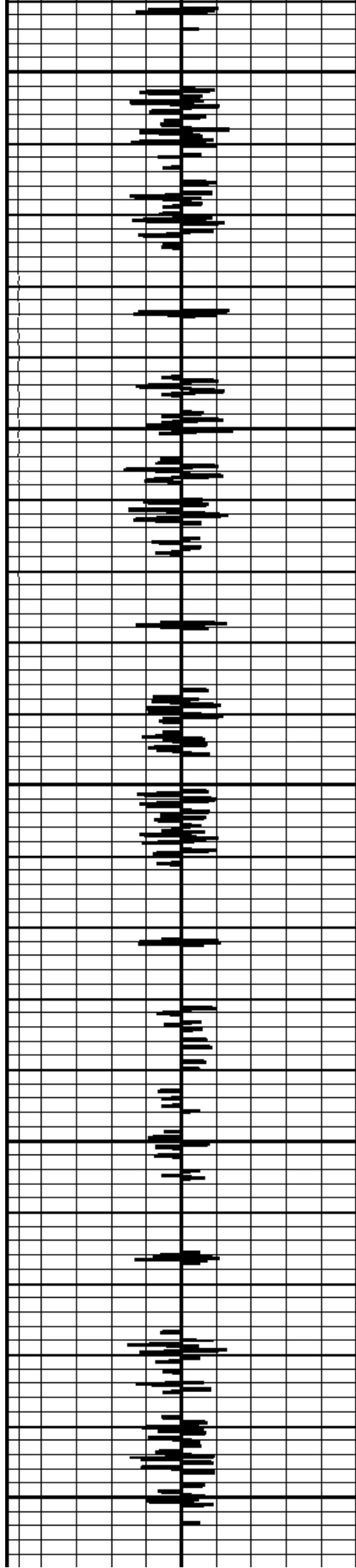
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5600

5650

5700





5750

166.6

5800

168.1

5850

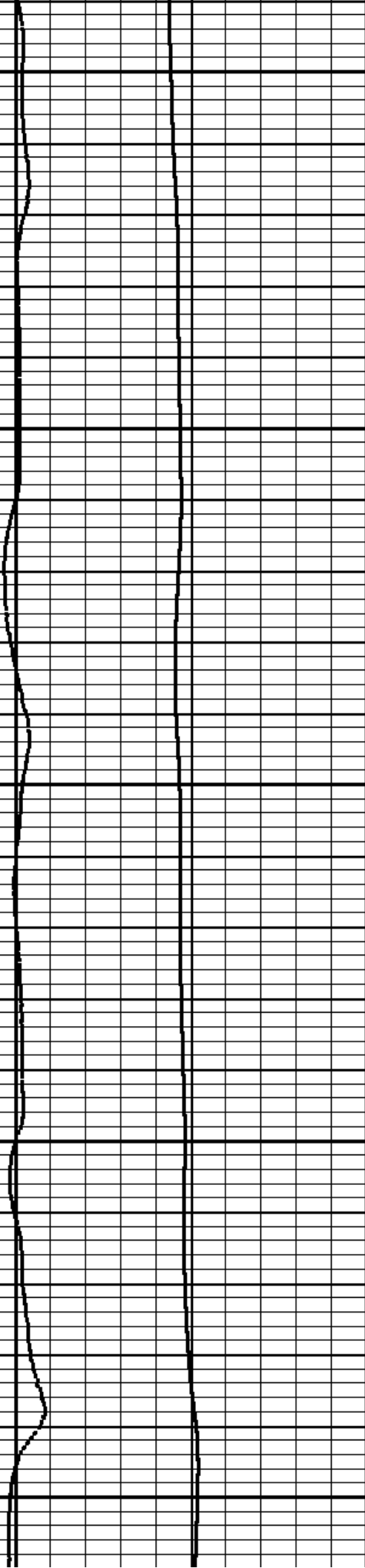
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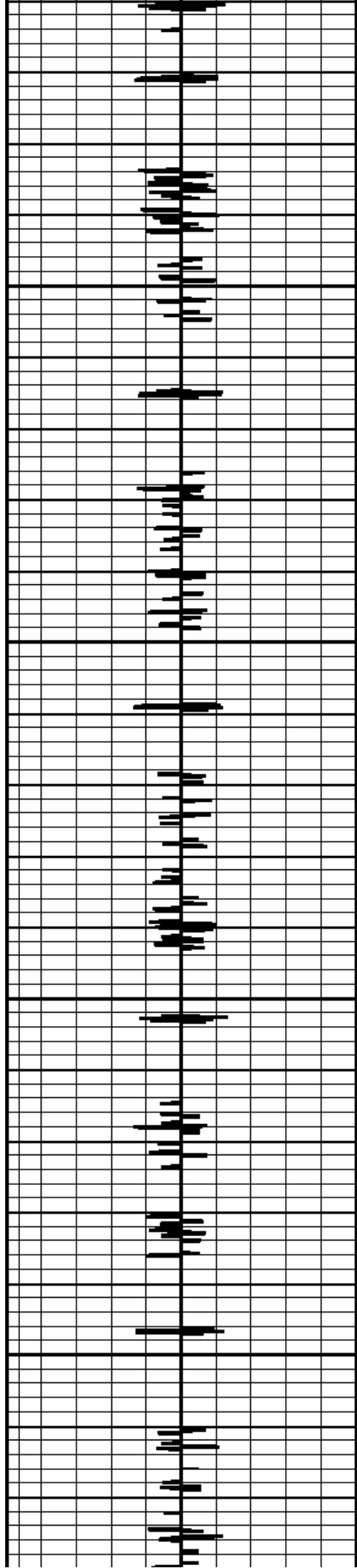
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169.0

5950

171.1





6000

— 170.1 —

6050

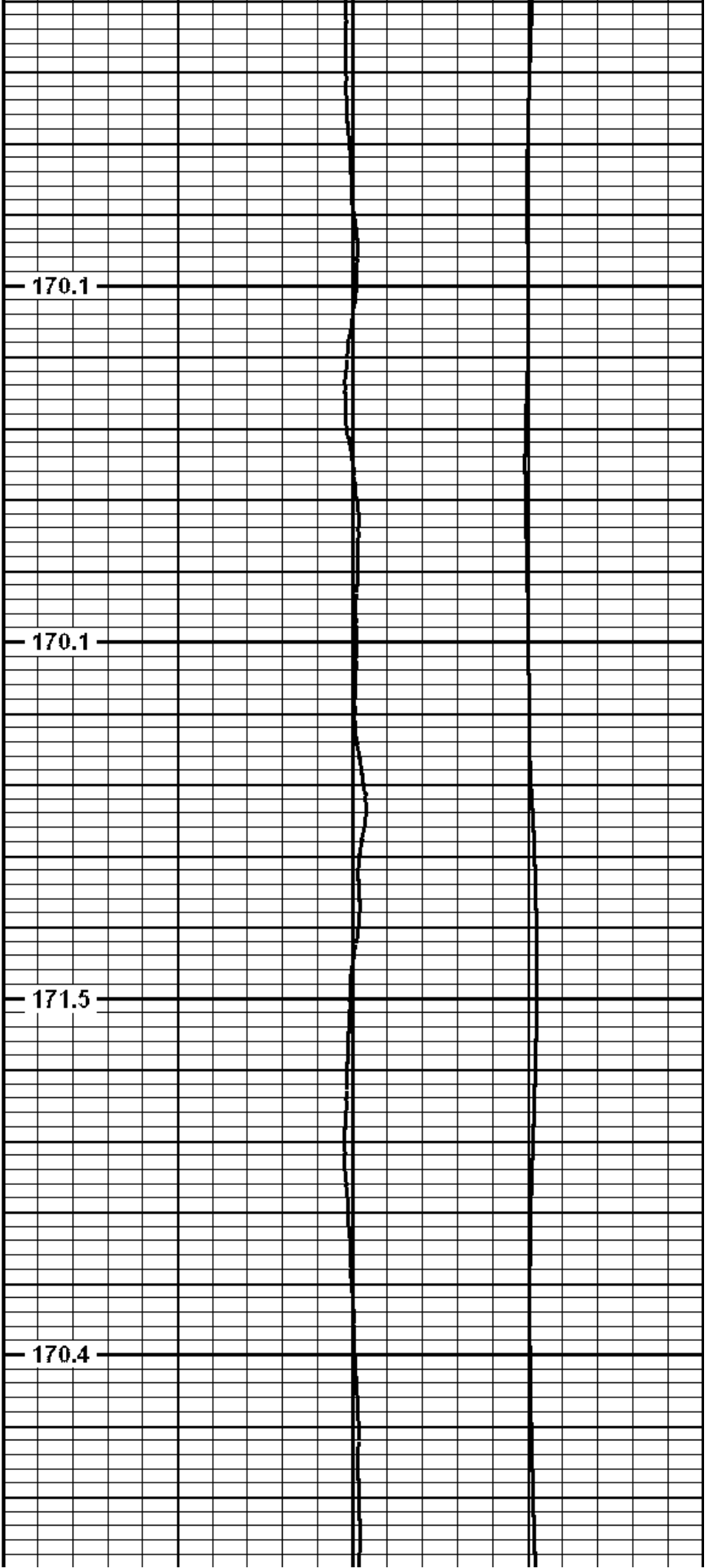
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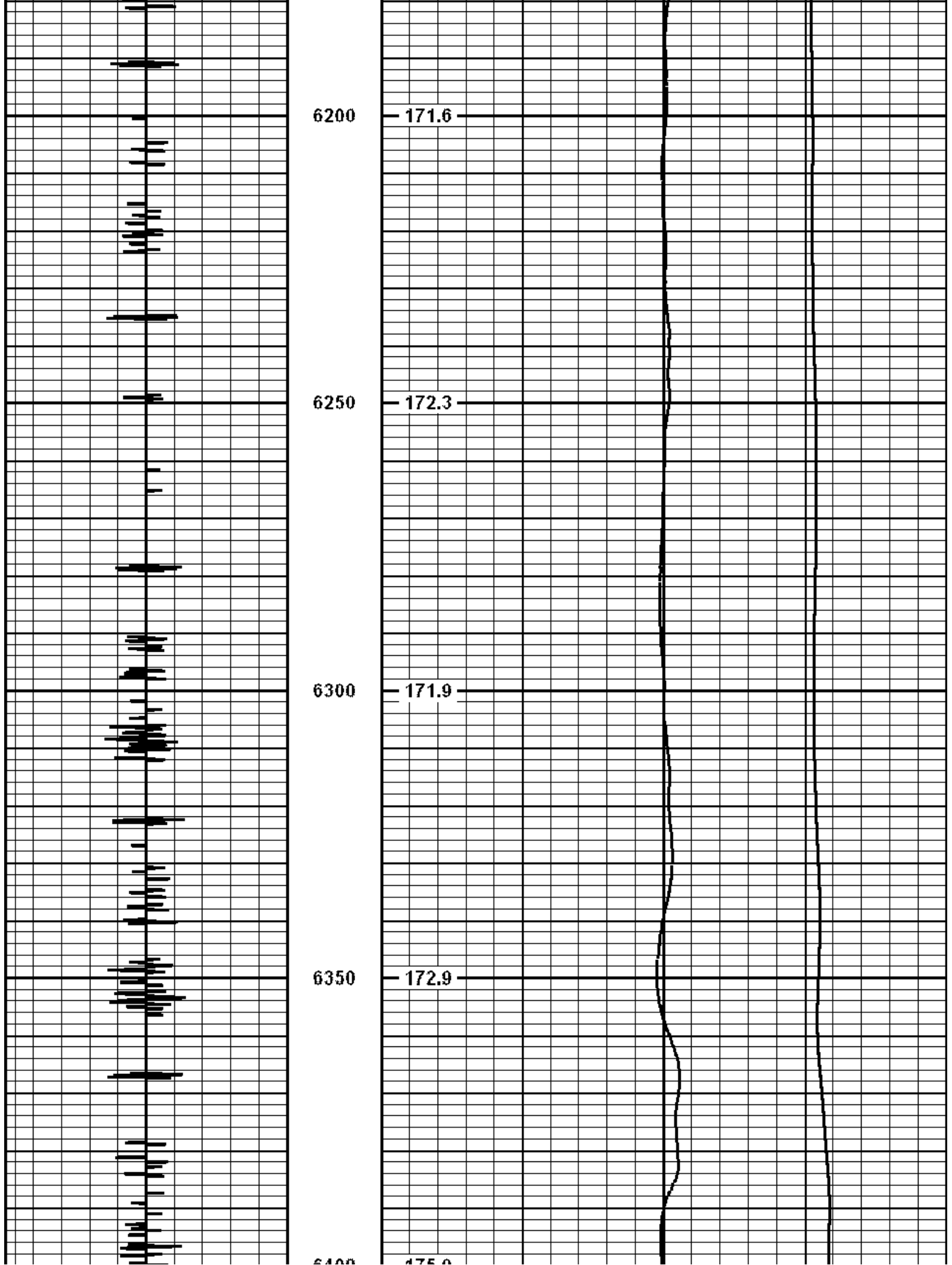
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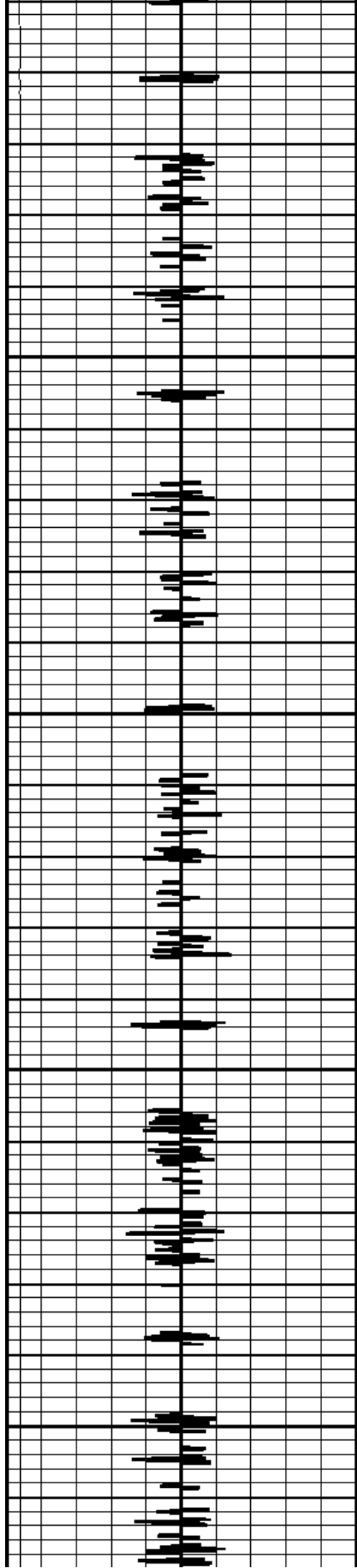
— 171.5 —

6150

— 170.4 —







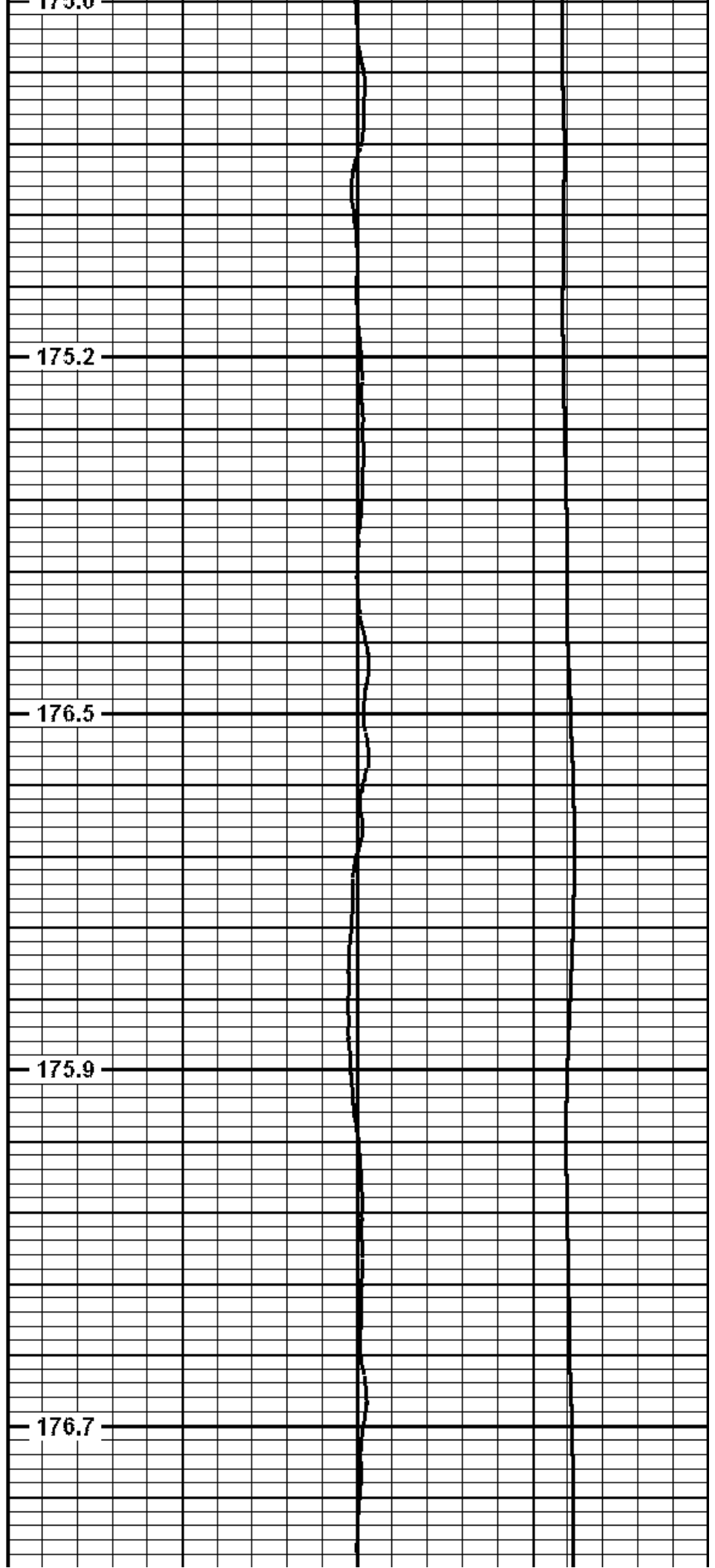
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6450

6500

6550

6600



175.0

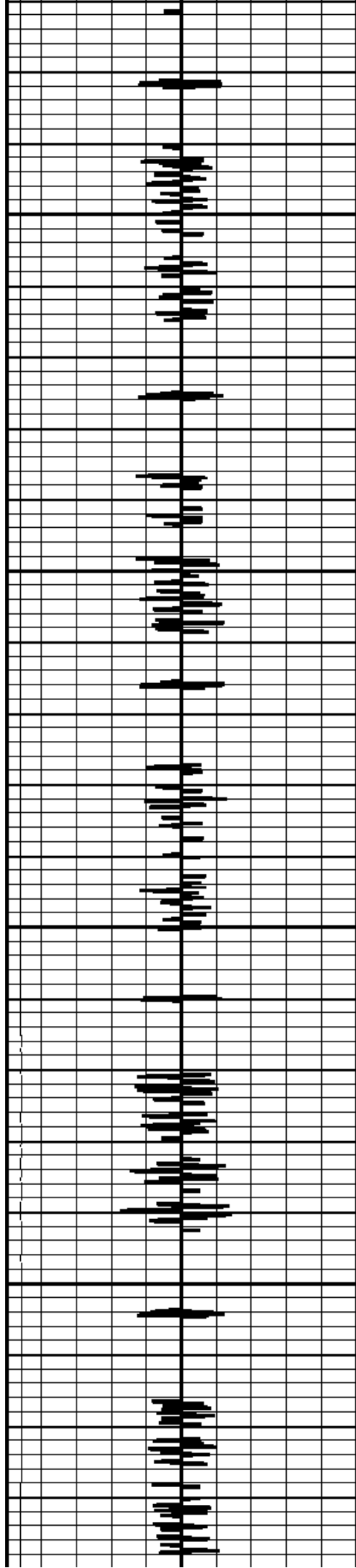
175.2

176.5

175.9

176.7





6650

177.3

6700

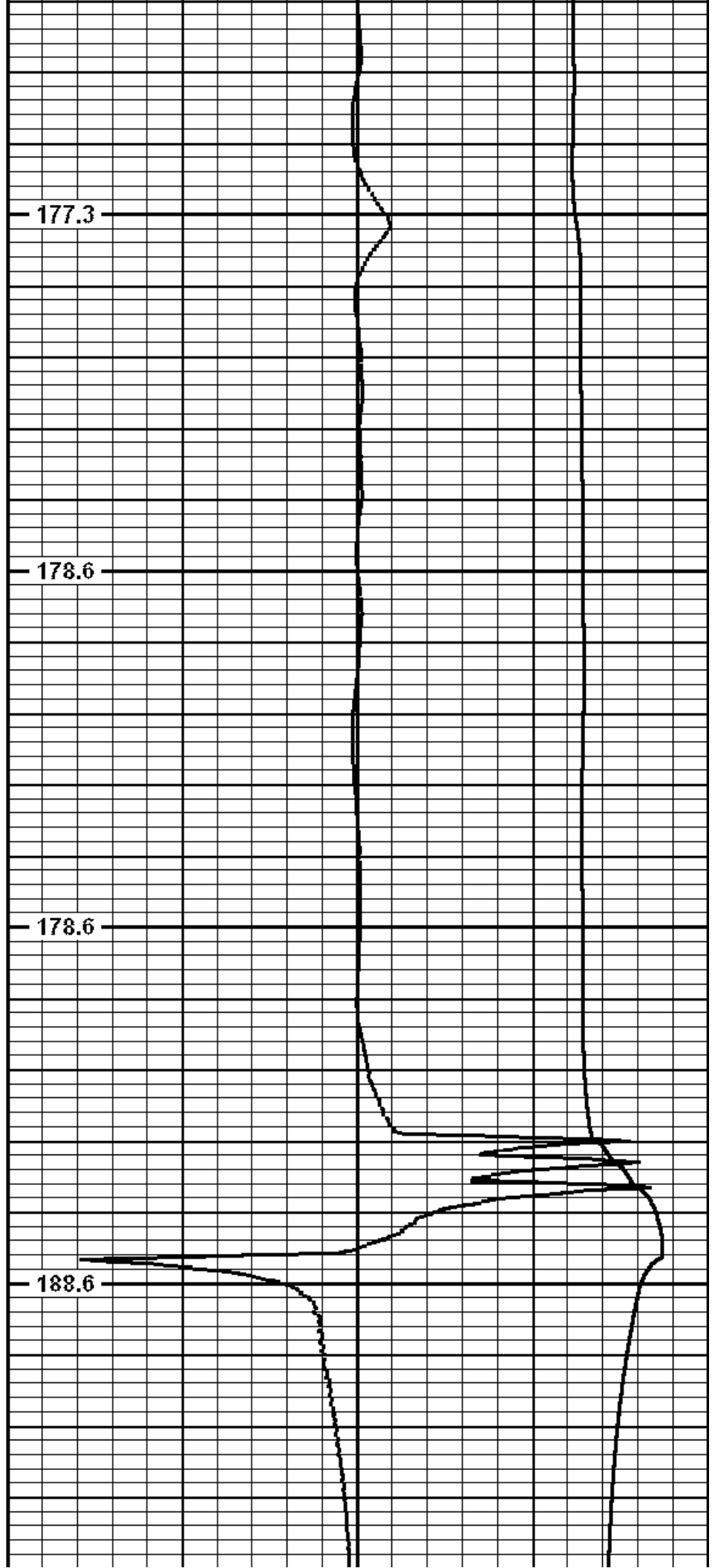
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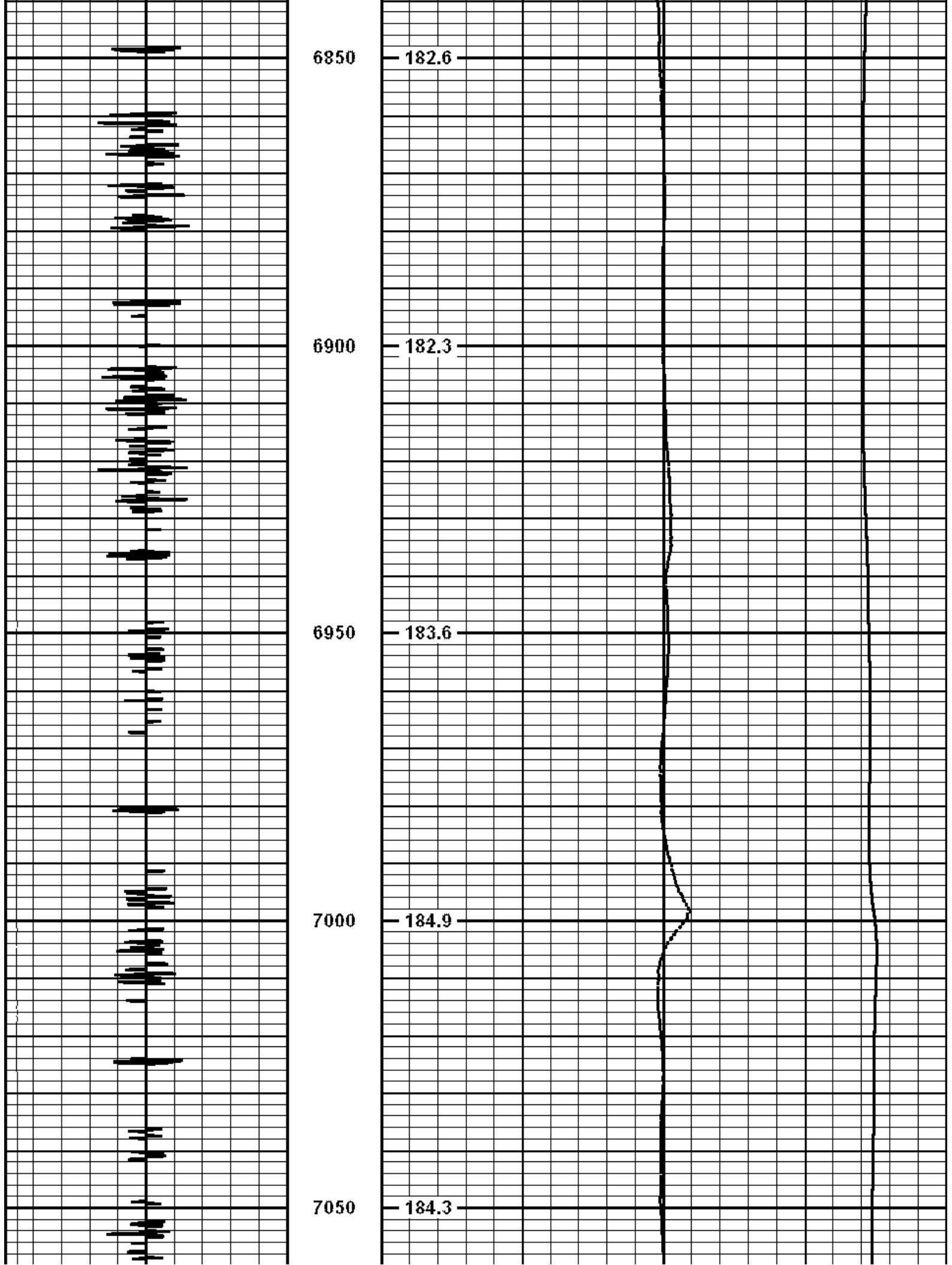
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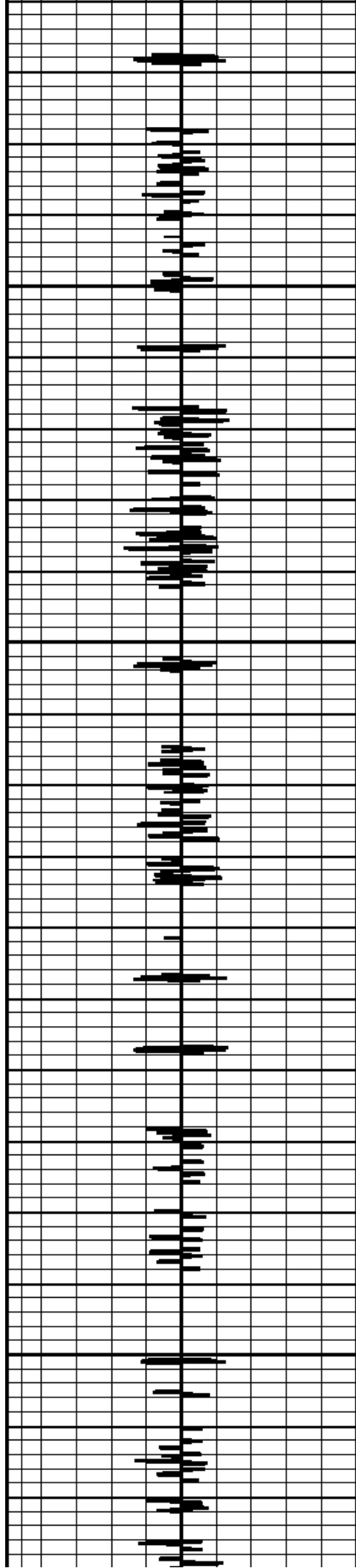
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6800

188.6







7100

191.8

7150

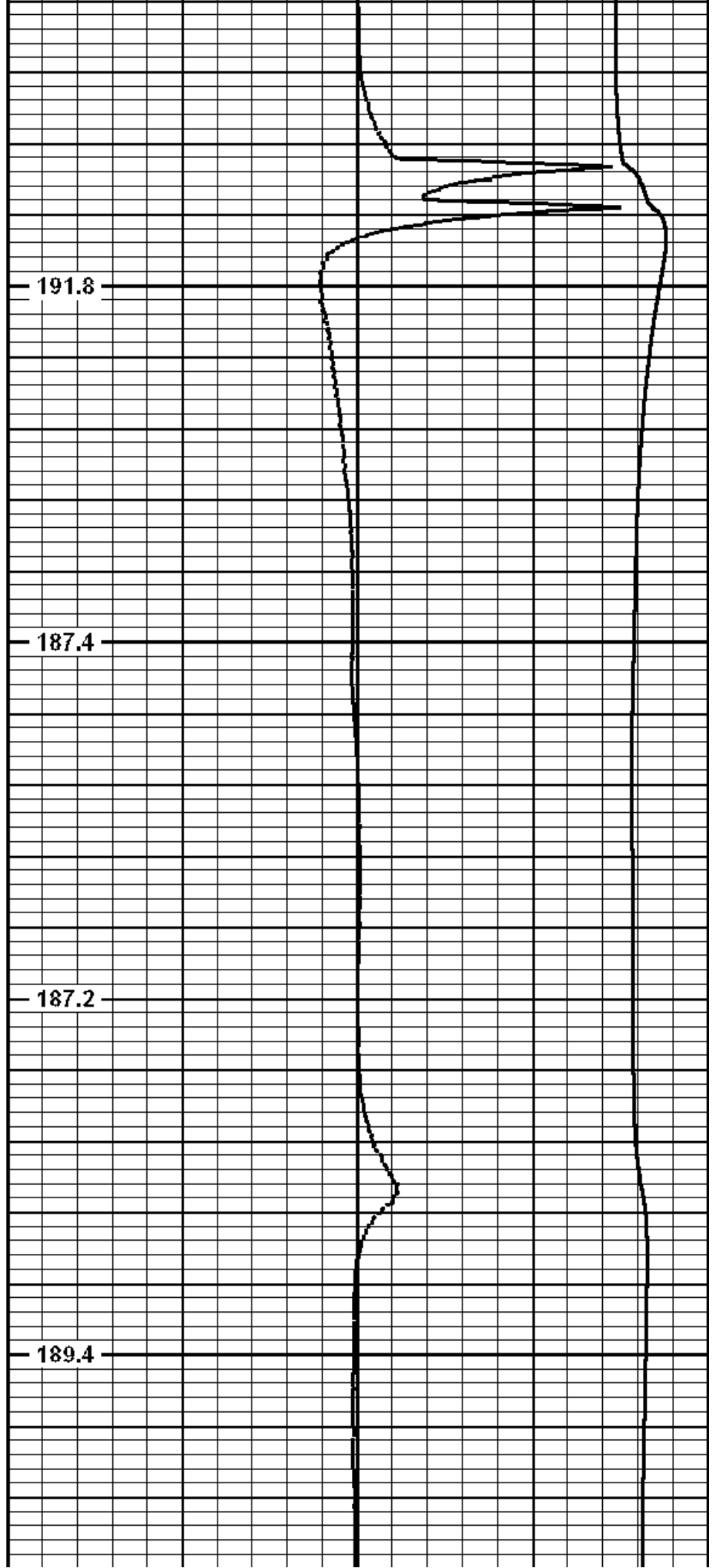
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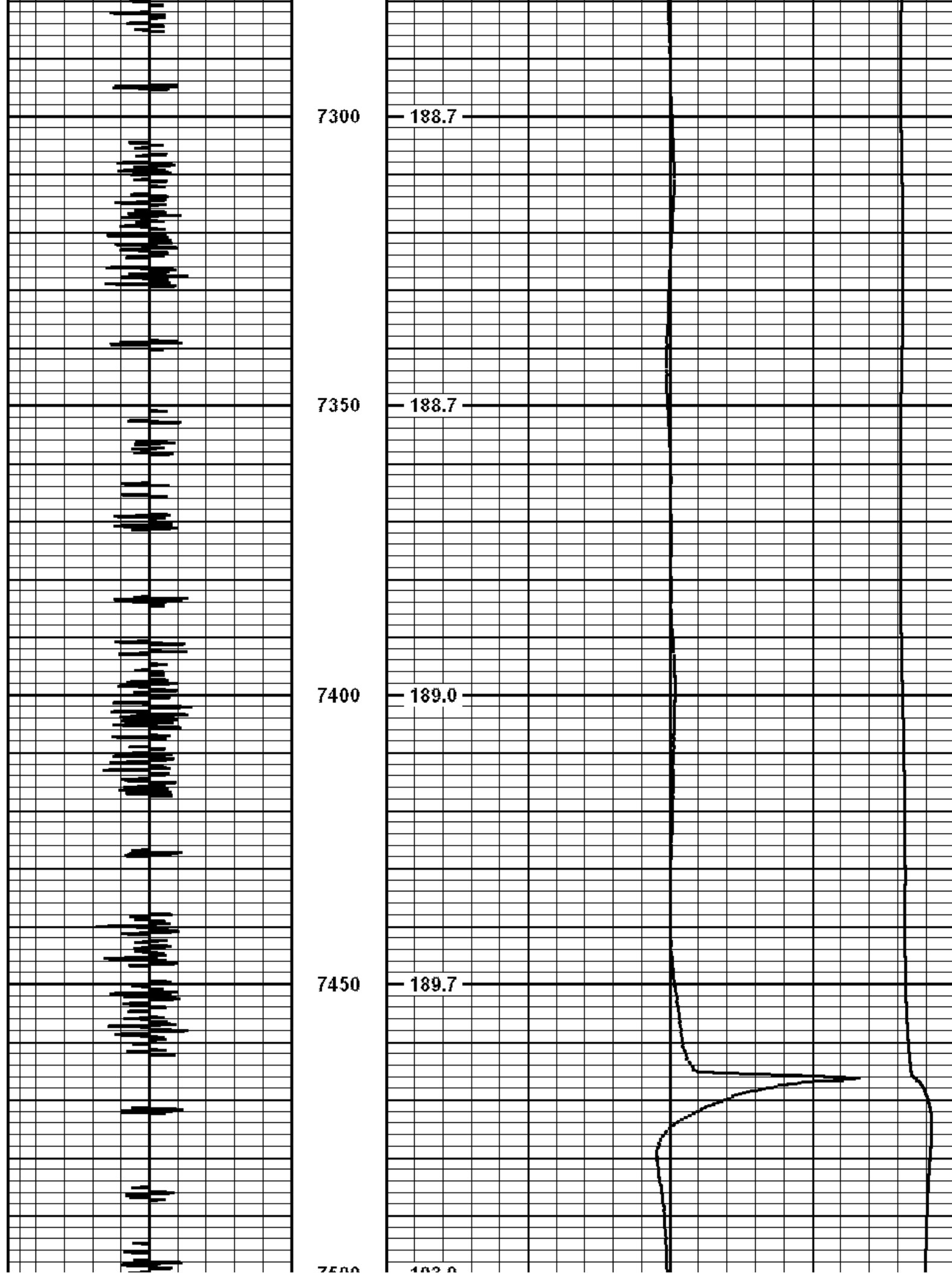
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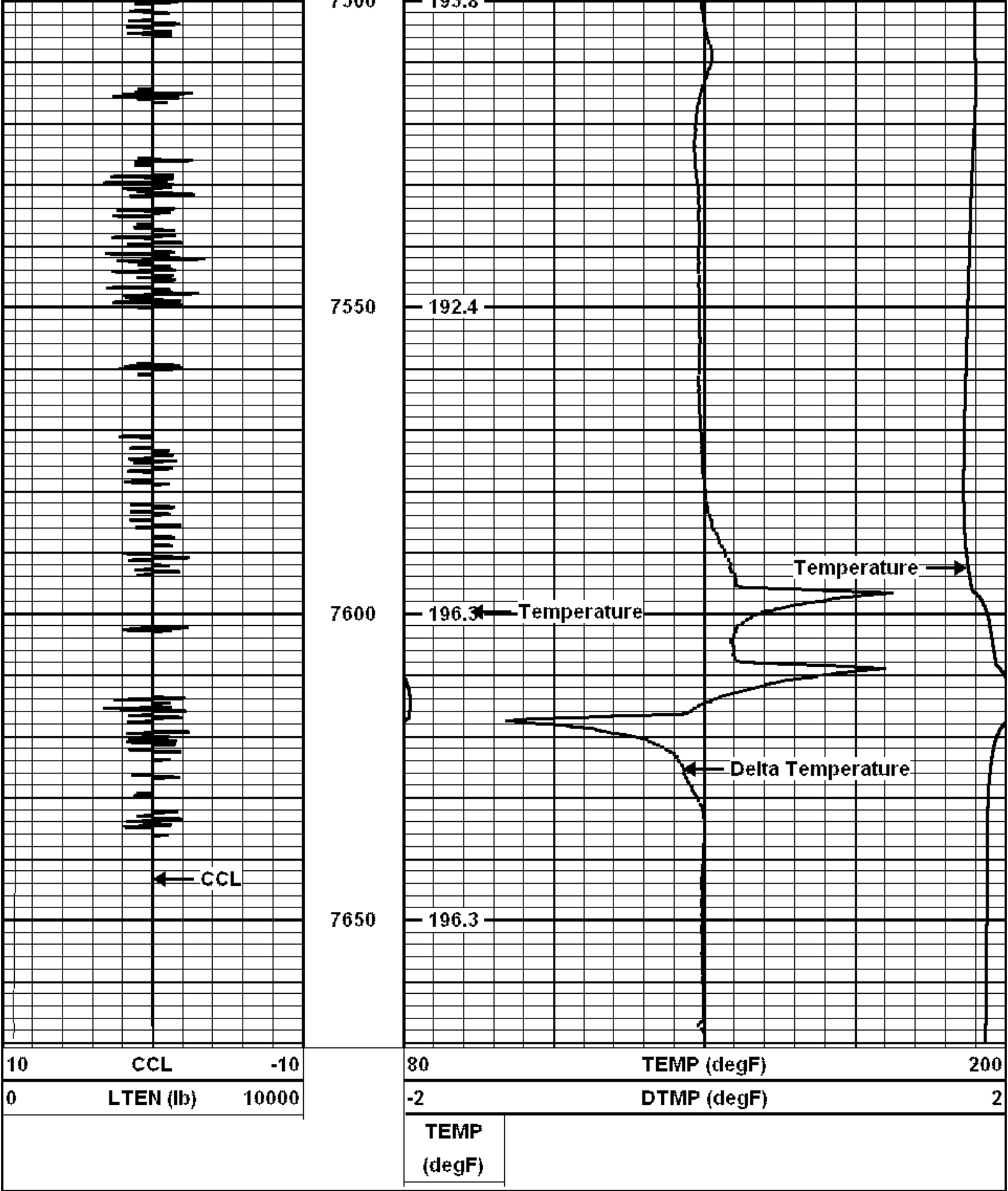
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7250

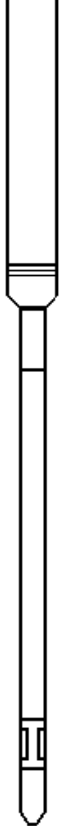
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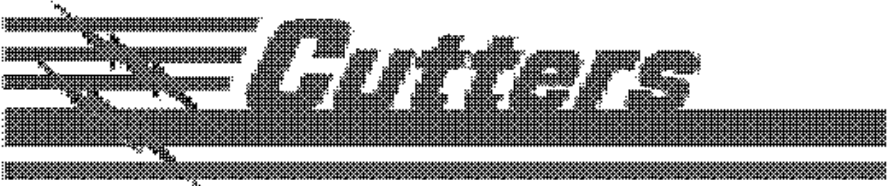






Sensor	Offset (ft)	Schematic	Description	Len (ft)	OD (in)	Wt (lb)

CCL	3.34		CCL-TITAN_CCL (TITAN_CCL_01) Titan 2.75 Logging CCL	2.16	2.75	2.00
TEMP	0.35		_TEMP-1.375TEMP (11116HT) 1.375 Titan Temp Tool	2.46	1.40	30.00
<div>Dataset: csf_44b-09-07-91_temp.db; field/well/run1/pass3</div> <div>Total Length: 4.61 ft</div> <div>Total Weight: 32.00 lb</div> <div>O.D.: 2.75 in</div>						

 <p><b>WIRELINE SERVICE INC.</b></p>	Company	URSA OPERATING COMPANY
	Well	SCF 44B-09-07-91
	Field	CASTLE SPRINGS
	County	GARFIELD
	State	COLORADO