



YOUNGQUIST BROTHERS, Inc
 GEOPHYSICAL LOGGING DIVISION

HIGH RESOLUTION TEMPERATURE SURVEY

Company **HAZEN & SAWYER**
 Well **IW #2**
 Field **S. CTY RGL WTP R/O EXP**
 County **COLLIER**
 State **FL**

Company **HAZEN & SAWYER**
 Well **IW #2**
 Field **SOUTH CTY REGIONAL WTP R/O EXP**
 County **COLLIER** State **FLORIDA**

Location	Permanent Datum	Elevation	Other Services
	PAD		RTS
	Log Measured From	GROUND LEVEL	
	Drilling Measured From		K.B. D.F. G.L.

Date	19-FEB-2003	
Run Number	RTS	
Depth Driller	3205	
Depth Logger	2310'	
Bottom Logged Interval	2310'	
Top Log Interval	SURFACE	
Open Hole Size	22"	
Type Fluid	WATER	
Density / Viscosity	N/A	
Max. Recorded Temp.	92.7 DEG F	
Estimated Cement Top	N/A	
Time Well Ready	ON ARRIVAL	
Time Logger on Bottom	1630	
Equipment Number	103	
Location	FT MYERS	
Recorded By	LEE	
Witnessed By	J WHEATLEY	

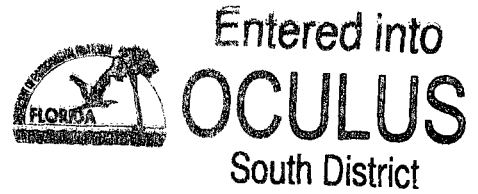
Borehole Record		Tubing Record					
Run Number	Bit	From	To	Size	Weight	From	To
ONE	48.5"	SURFACE	335'	SIX	32.5"	CASING	2350'
THREE	12.25"	CASING	1400'	SEVEN	22"	2350'	3200'
FOUR	40.5"	CASING	1305'				
FIVE	12.25"	CASING	3205'				

Casing Record	Size	Mgt/ft	Top	Bottom
Surface String	80"	500 W.T.	SURFACE	10'
2nd. String	42"	375 W.T.	SURFACE	330'
Production String	34"	375 W.T.	SURFACE	1300'
Inner	24"	500 W.T.	SURFACE	2278'
Casing Record	20"	500 W.T.	SURFACE	2271.5'

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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



YOUNGQUIST BROTHERS, Inc
 GEOPHYSICAL LOGGING DIVISION

TEMPERATURE

Database File: scr2rts.db
 Dataset Pathname: TEMP
 Presentation Format: temp
 Dataset Creation: Wed Feb 19 15:48:24 2003 by Log 62 RA

Charted by:

Depth in Feet scaled 1:240

50 TEMPERATURE (degF) 150

70 TEMPERATURE (degF) 90

-5 DELTA TEMPERATURE (degF) 5

0

81.4

50

77.8

100

78.7

79.4

150

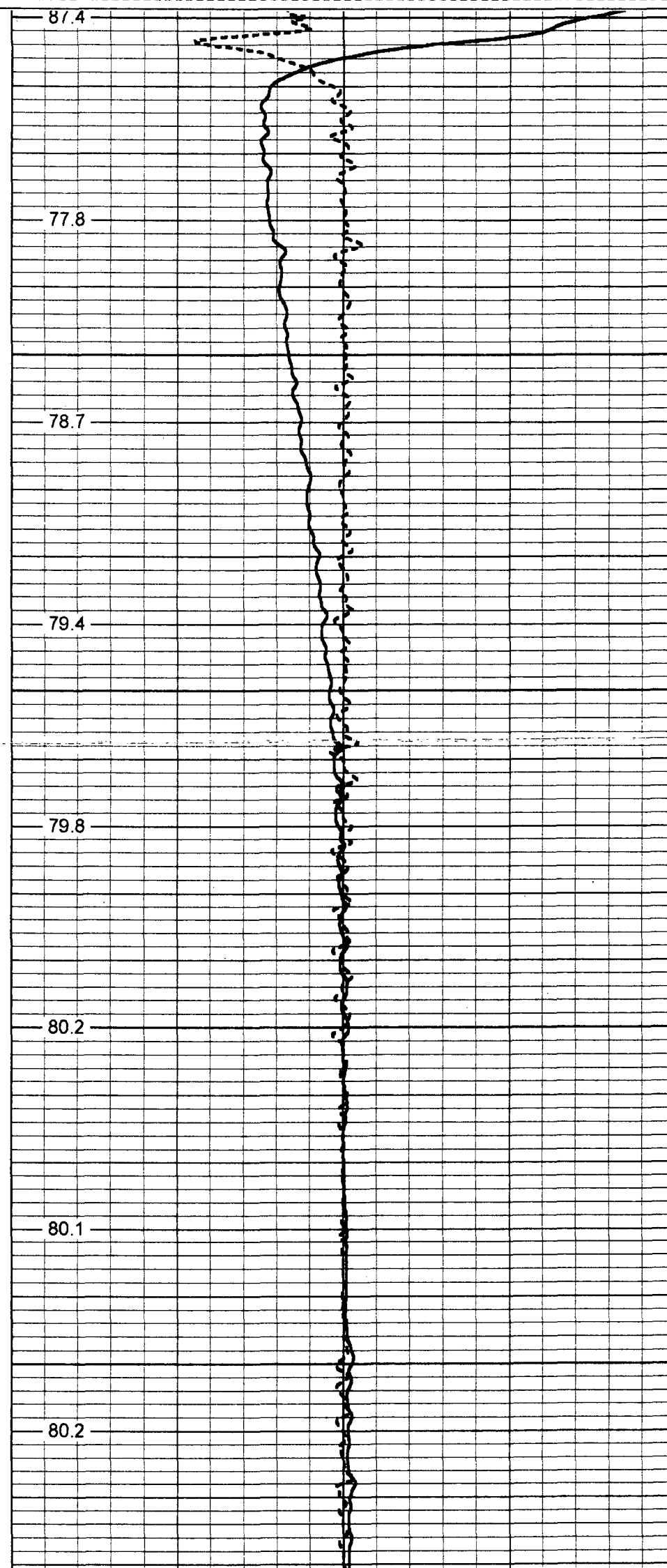
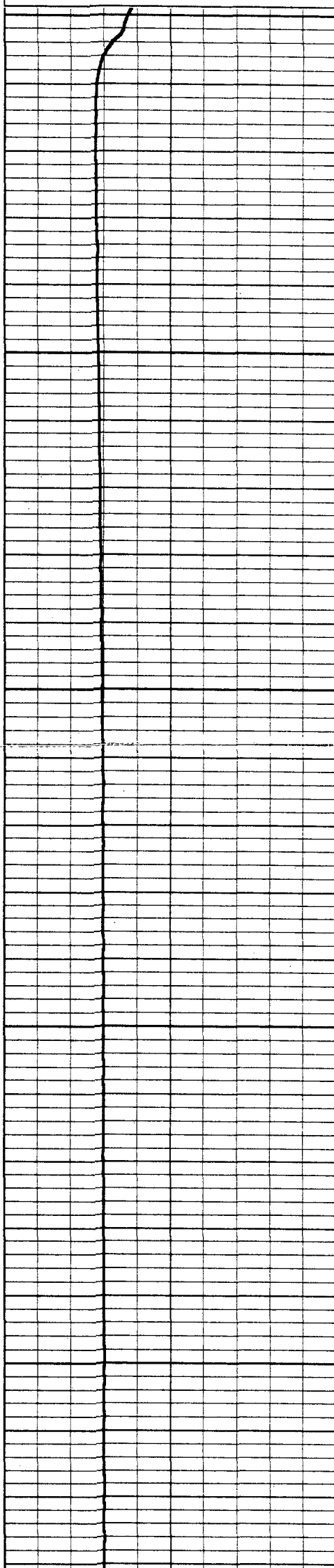
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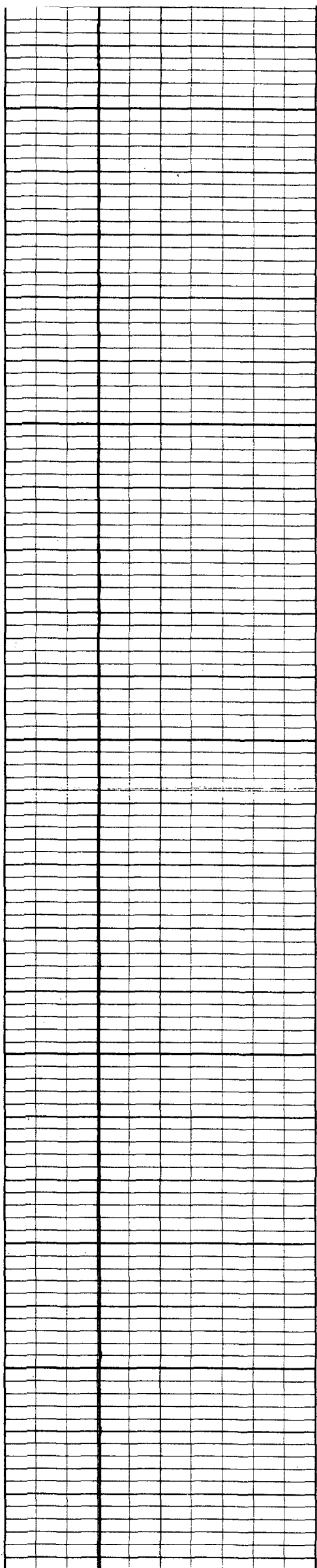
80.2

200

80.1

80.2





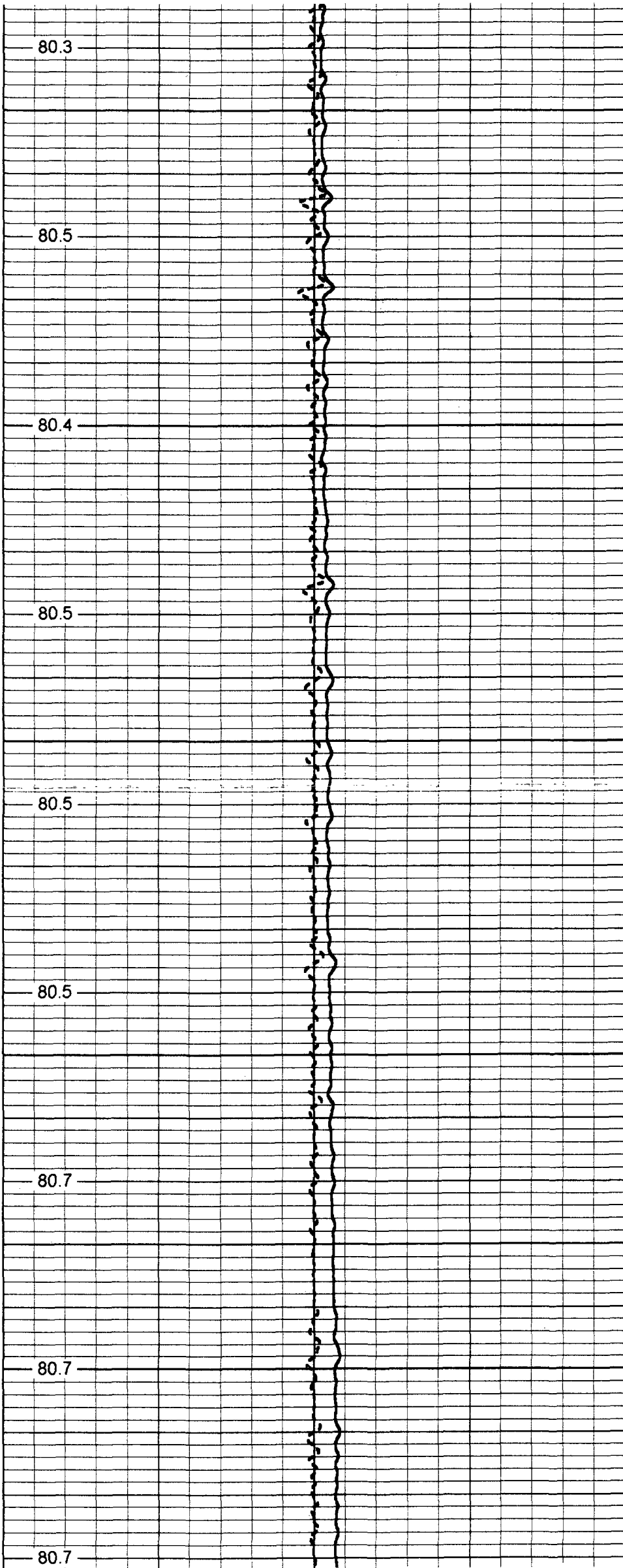
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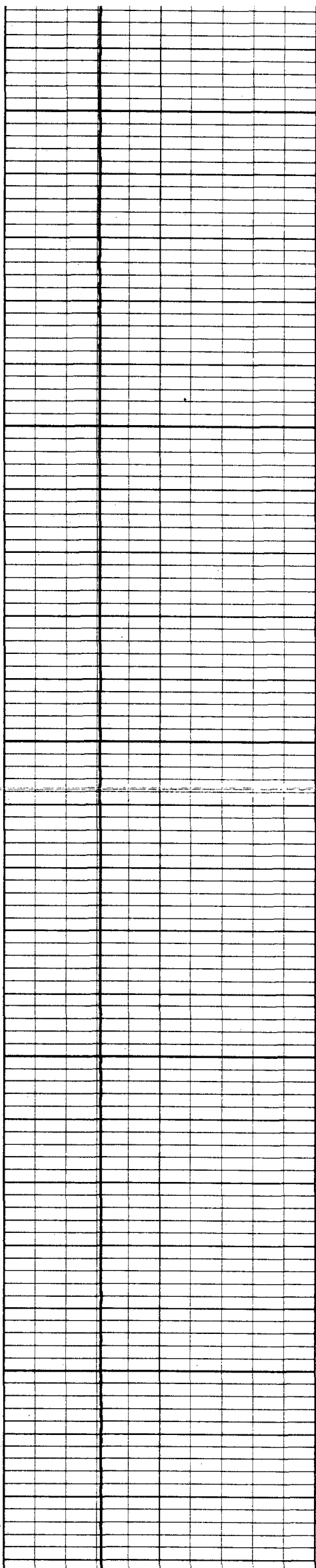
300

350

400

450





500

80.8

550

80.8

80.9

600

81.0

81.1

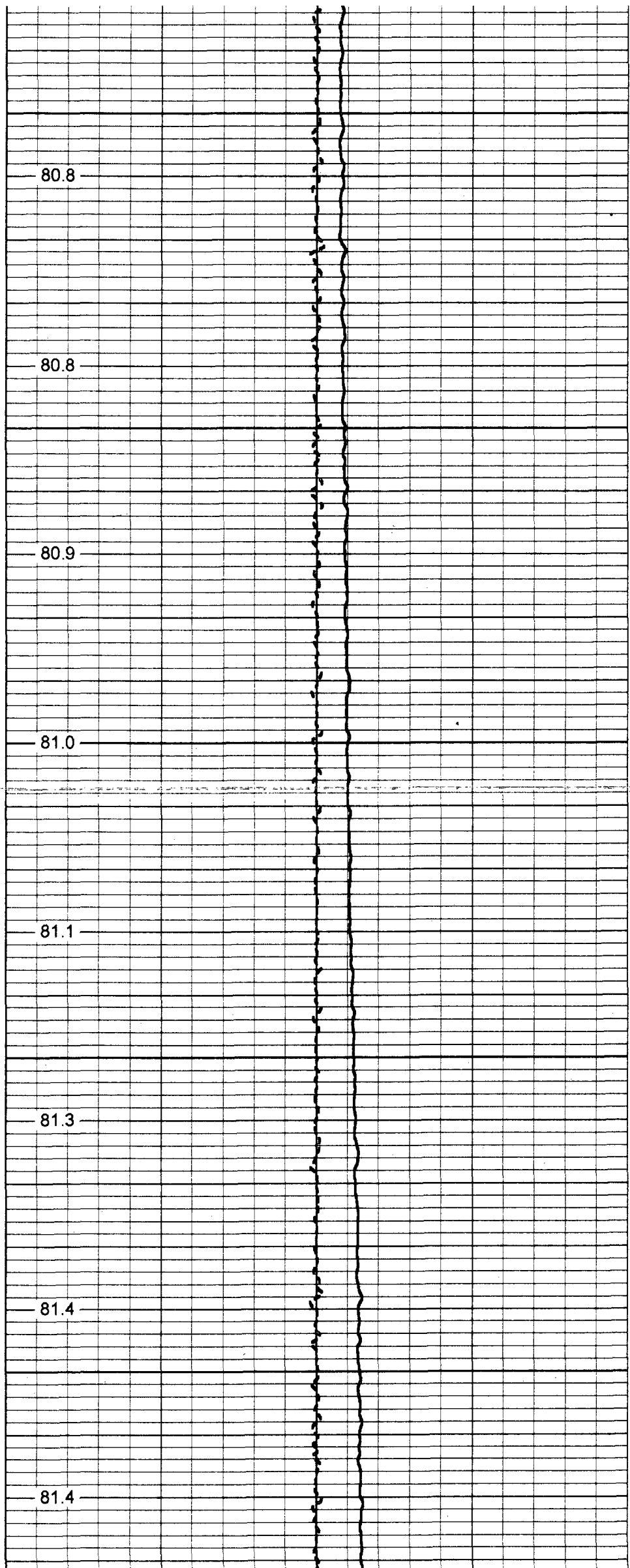
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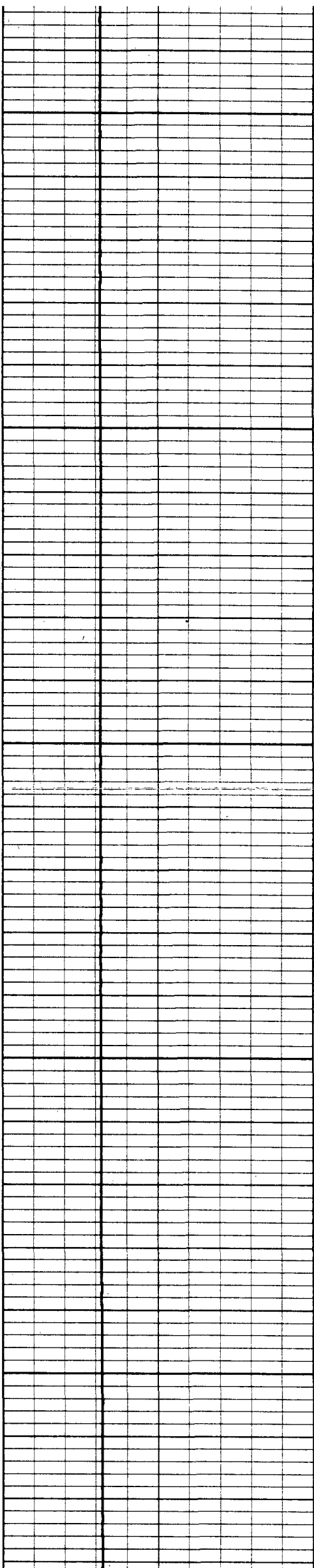
81.3

81.4

700

81.4





750

81.5

800

81.6

81.7

850

81.8

81.7

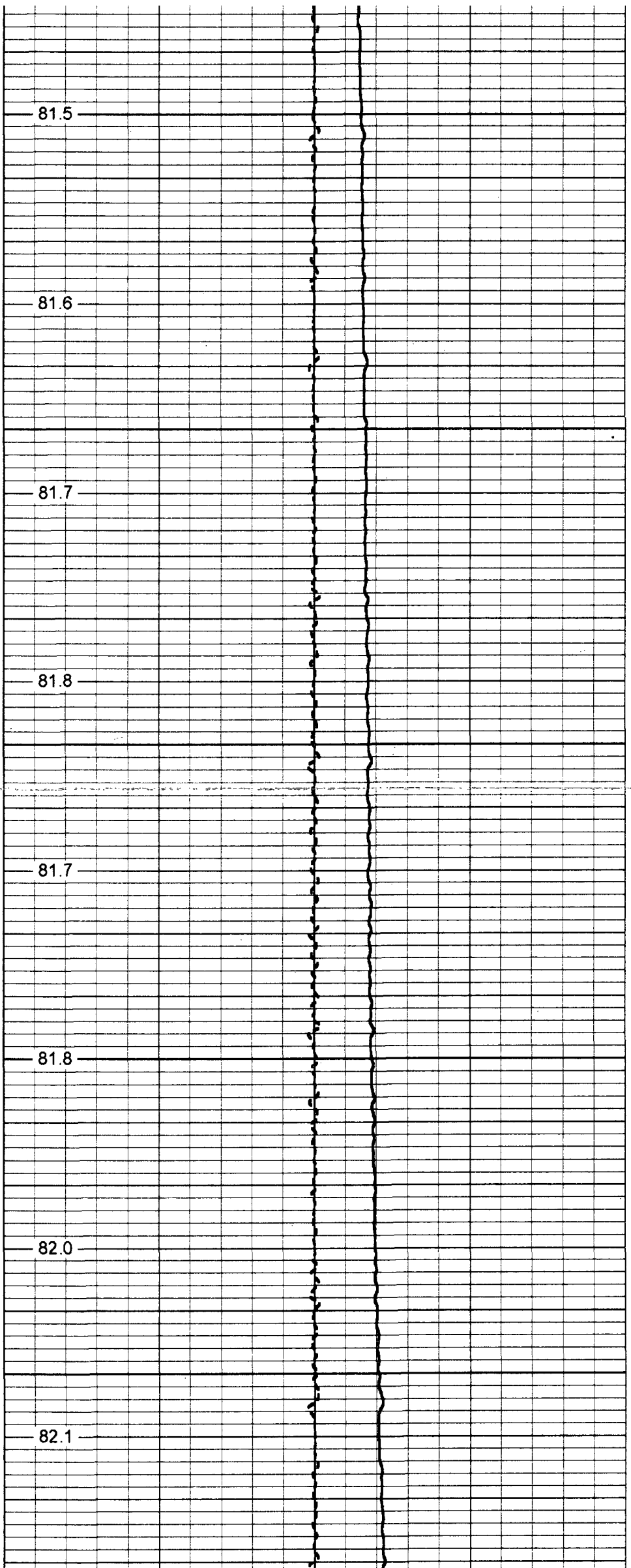
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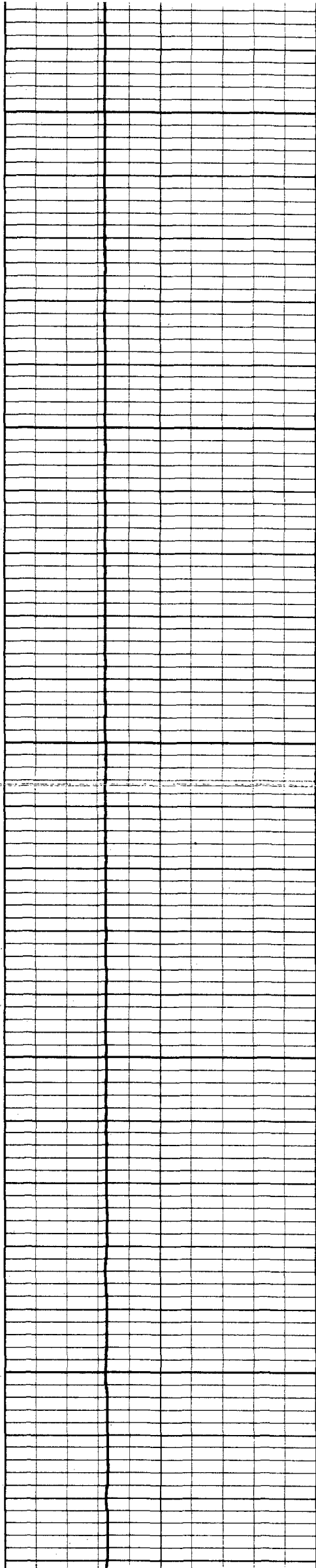
81.8

82.0

950

82.1





1000

1050

1100

1150

1200

82.3

82.4

82.5

82.6

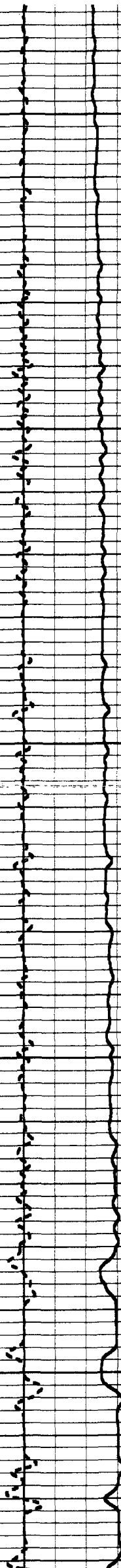
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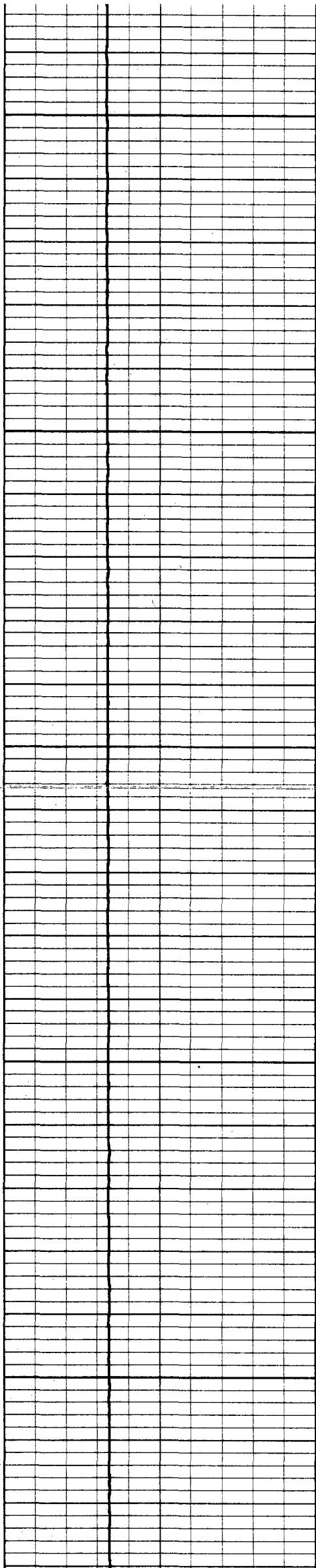
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83.0

82.5

83.0





1250

83.3

1300

83.3

83.4

1350

83.5

83.6

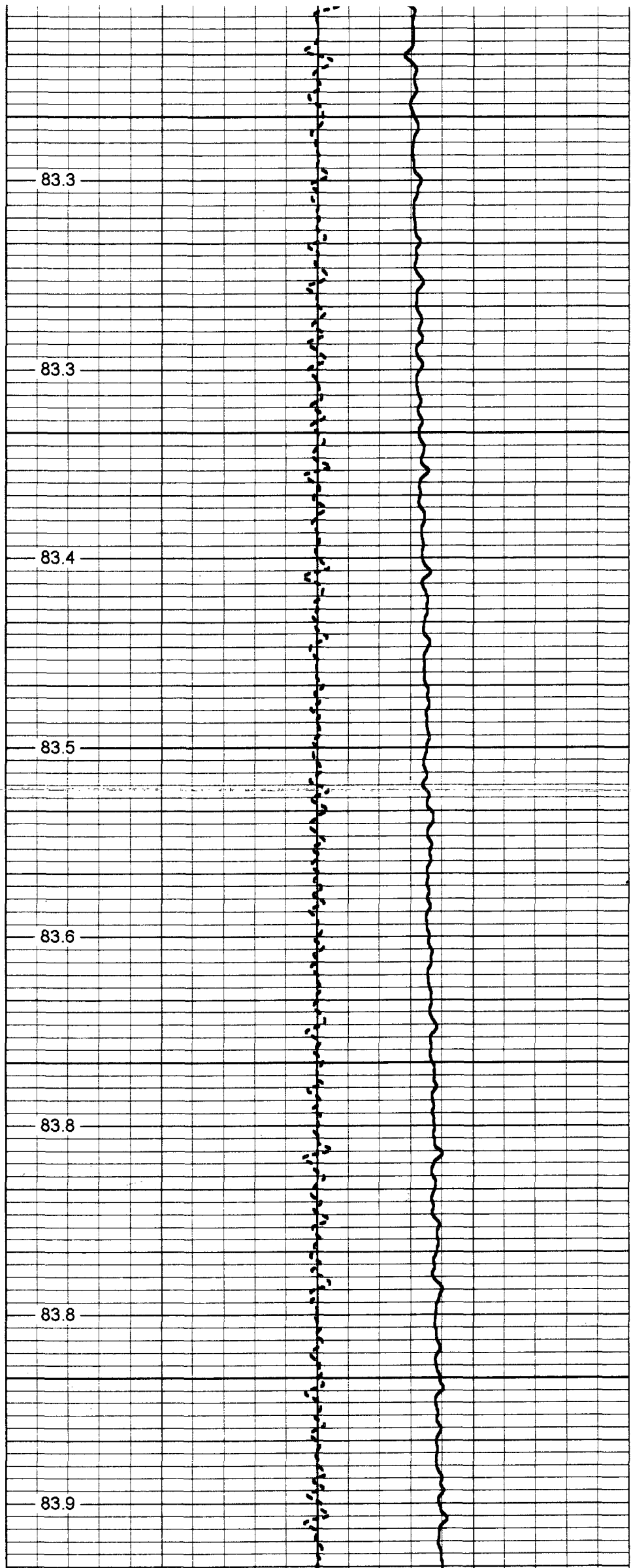
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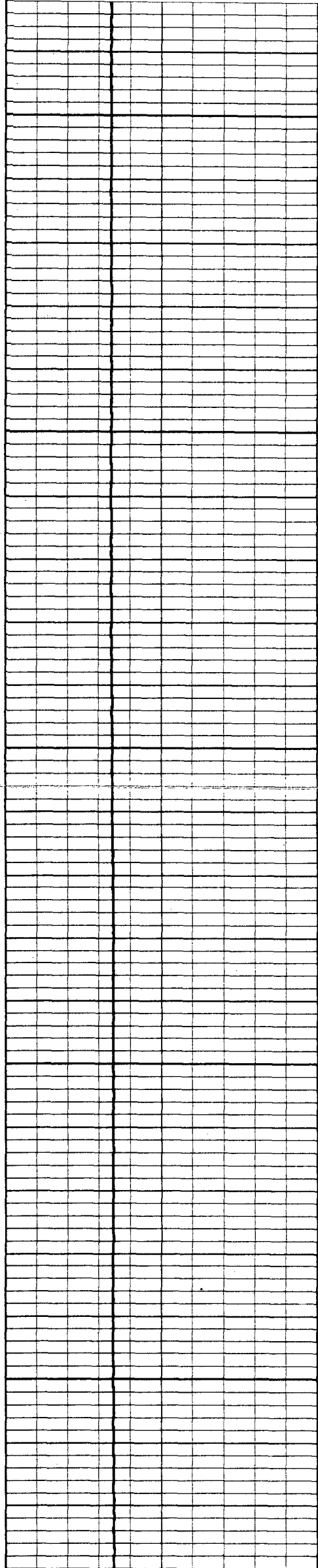
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83.8

1450

83.9





1500

84.0

84.2

1550

84.1

84.2

1600

84.7

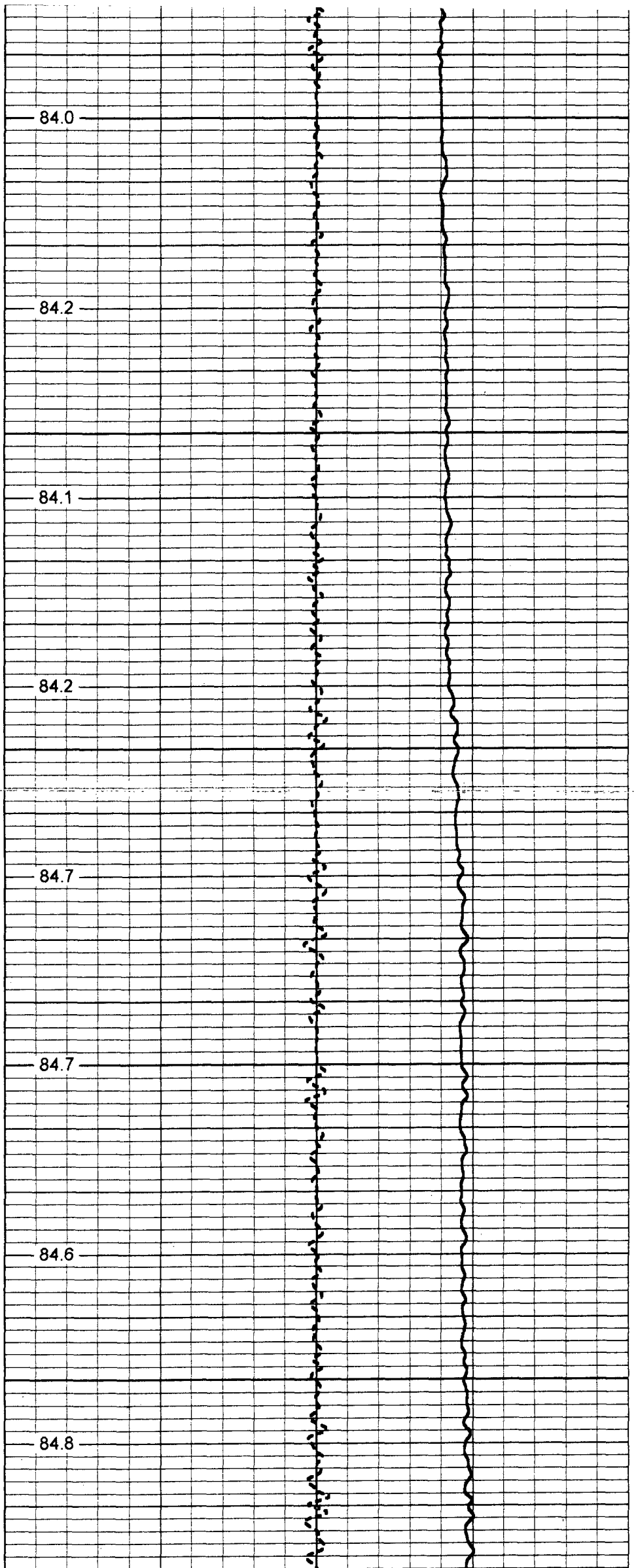
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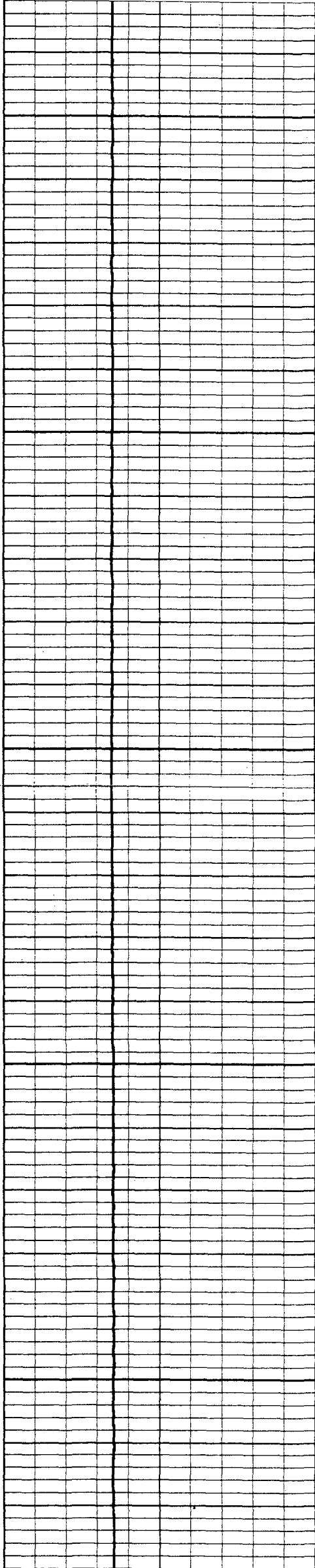
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84.6

1700

84.8





1750

84.9

85.1

1800

85.0

84.9

1850

84.8

85.2

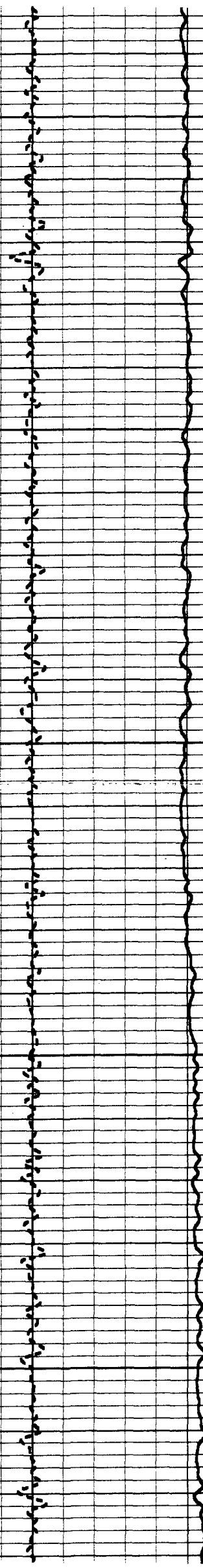
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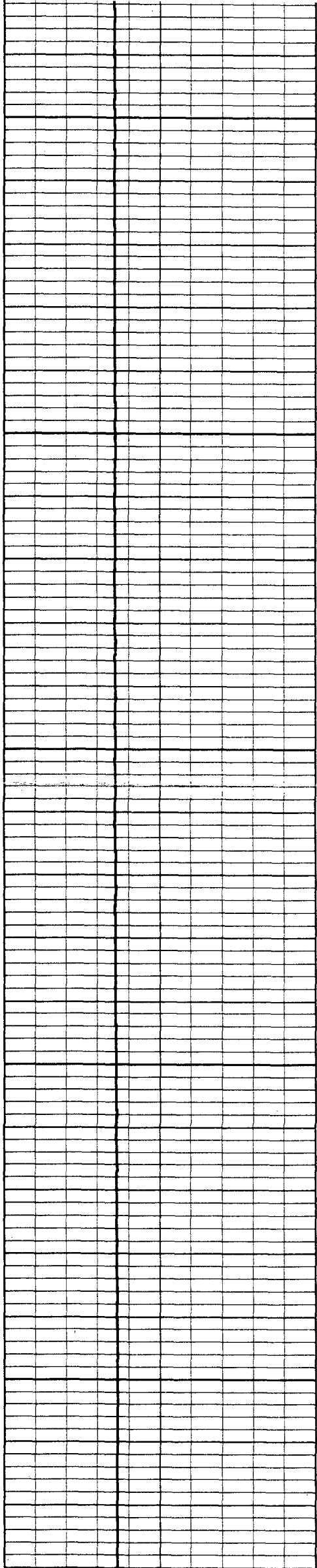
85.2

1950

85.4

85.5





2000

85.5

2050

85.8

85.8

2100

85.9

85.8

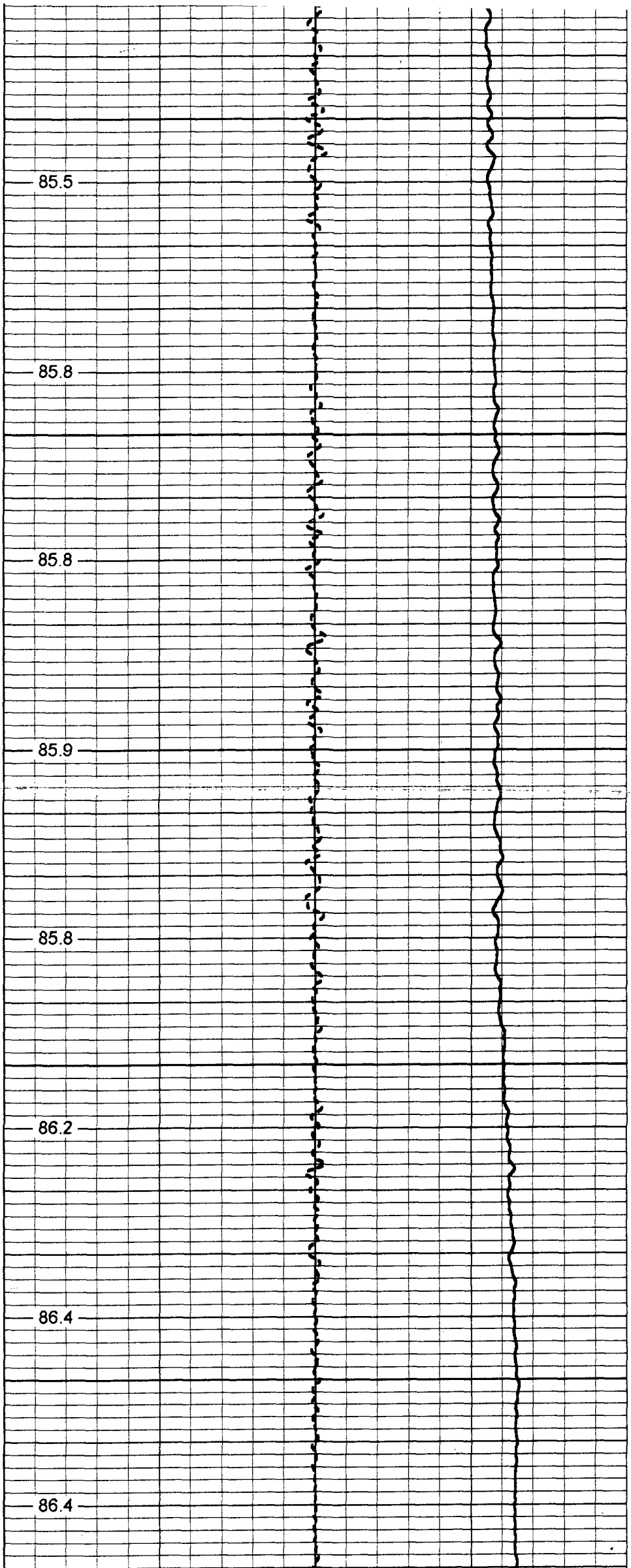
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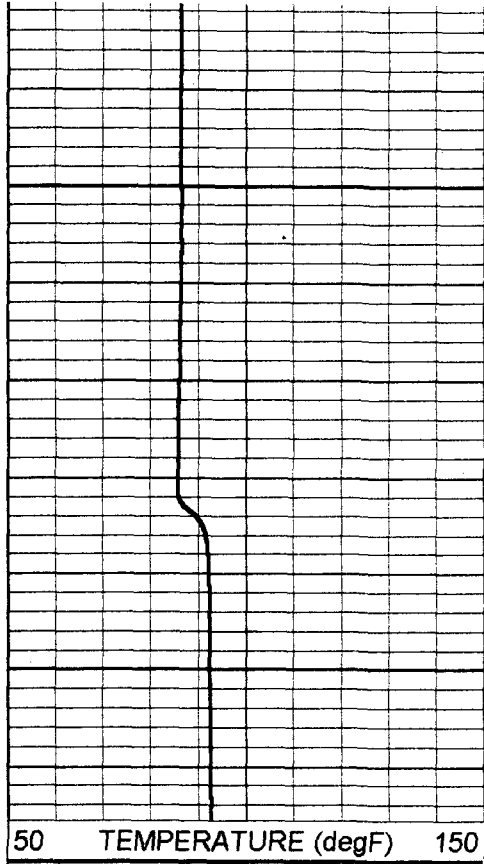
86.2

86.4

2200

86.4





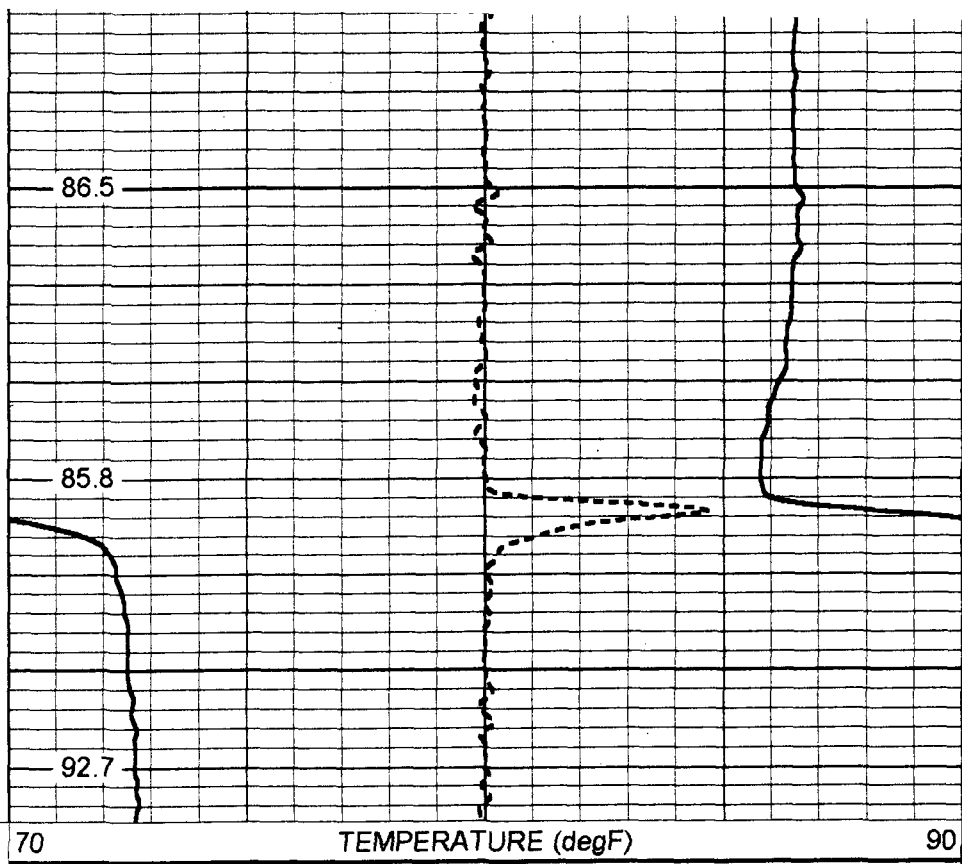
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86.5

85.8

2300

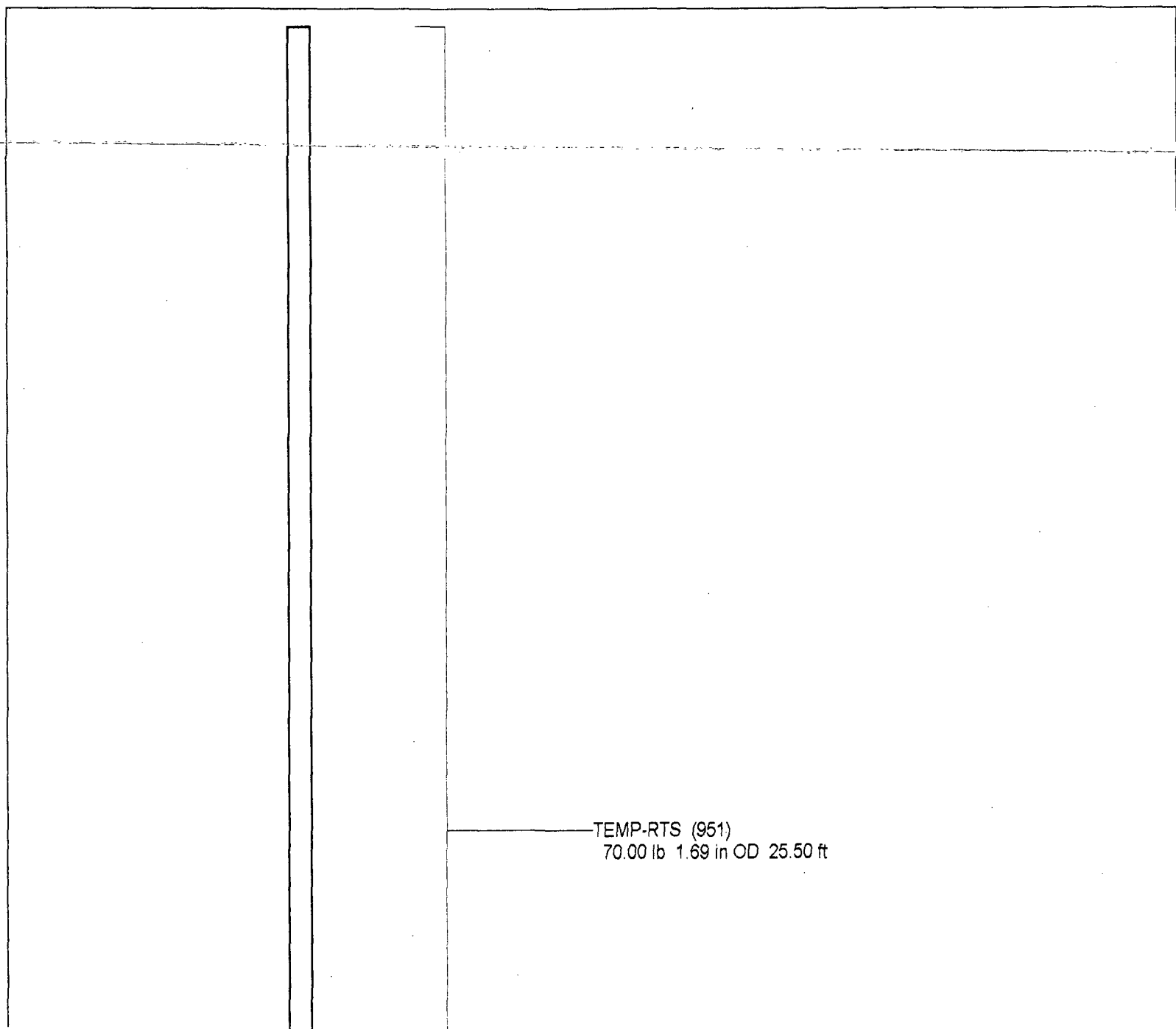
92.7



50 TEMPERATURE (degF) 150

70 TEMPERATURE (degF) 90

-5 DELTA TEMPERATURE (degF) 5



TEMP-RTS (951)
70.00 lb 1.69 in OD 25.50 ft

TEMP 0.10 ft

Dataset: run1/TEMP
Total Length: 25.50 ft
Total Weight: 70.00 lb
O.D.: 1.69 in

Temperature Calibration Report

Serial Number: 951
Tool Model: RTS
Performed: Wed Feb 28 14:27:36 2001

Point #	Reading		Reference	
1	338.011	cps	34	degF
2	789.31	cps	78	degF
3	1553.28	cps	152	degF