

# SCHLUMBERGER

## MICROLOG CALIPER

SCHLUMBERGER OF CANADA Calgary Alberta

PROVINCE YUKON TERRITORY  
 FIELD WILDCAT  
 WELL SMWM BIRCH Y.T. B-34  
 COMPANY SOCONY MOBIL OIL OF CANADA, LTD.

COMPANY SOCONY MOBIL OIL OF CANADA, LTD.  
 WELL SMWM BIRCH Y.T. B-34  
 FIELD WILDCAT  
 PROVINCE YUKON TERRITORY  
 LOCATION 66° 03' 03" 44" N 136° 51' 17.51" W  
 Permanent Datum G.L. Elev. 2177  
 Log Measured from K.B. 13 Ft. Above Perm. Datum  
 Other Services: I-ES, SRS, CST, SGR-C, CDM  
 ELEV. KB 2190  
 GI 2177  
 CBF

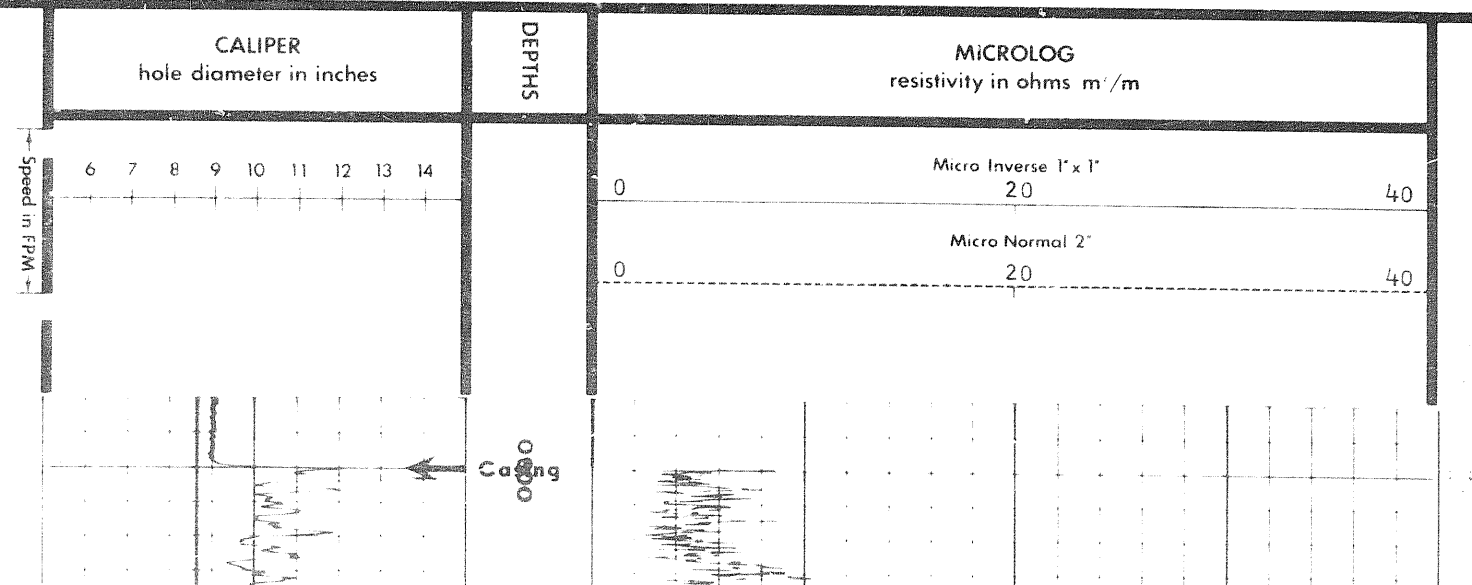
Date	24 MAY 65	3 JUNE 65	
Run No.	ONE	TWO	
First Reading	5038	5404	
Last Reading	600	4800	
Feed Measured	4438	604	
Depth Reached	5039	5405	
Bottom Driller	5052	5413	
Csg. SOC	600	600	
Csg. Driller	600	600	
Mud Nature	GEL - CHEM	GEL	
Dens. Visc.	9.2	9.2	120
Mud pH	9.5	9.5	
Water Loss	5.0	6.2	
Res. @ BH?	1.64 @ 56 °F	1.34 @ 50 °F	@ °F
Res. @ 92 °F	1.00 @ 92 °F	0.77 @ 96 °F	@ °F
Res. @ 50 °F	1.57 @ 50 °F	0.20 @ 48 °F	@ °F
Res. @ 66 °F	1.48 @ 66 °F	2.53 @ 48 °F	@ °F
Bit Size	8 5/8"	8 5/8"	
Mud Log:			
Rm	1.18	0.82	
Limit	UPPER	UPPER	
Depth	4830	5300	
Op. Rig Time	3.5 HRS.	2 HRS.	
Truck No.	DSU-B-3 DC	DSU-B-3	
Recorded By	THIESSEN	CRAIG	
Witness	CLARE	CLARE	

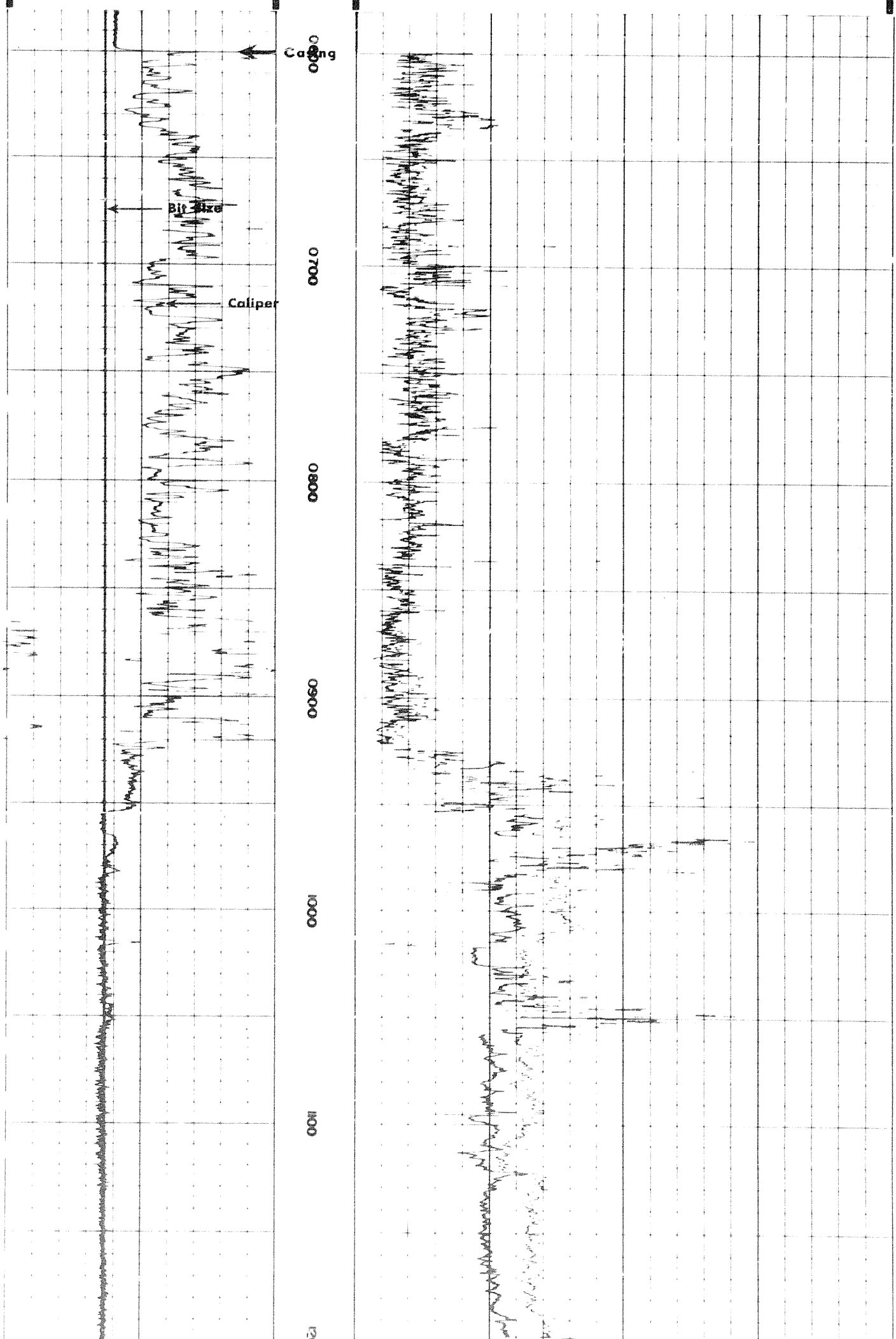
16 JUNE 65 CAL MB

REMARKS

Drilling Stopped 0400 / 24th Circulation Stopped 0600 / 24th Tool on Bottom 1300 / 24th 1st Run Service Order # 26965  
 RUN#2 1200 / 2nd 1200 / 3rd 1900 / 3rd B.H.T. 92 °F RUN#2 96

MCP # C-366  
 PMS # A-243  
 Pad Type -- Hydraulic





Ca

Bit Size

Caliper

0.700

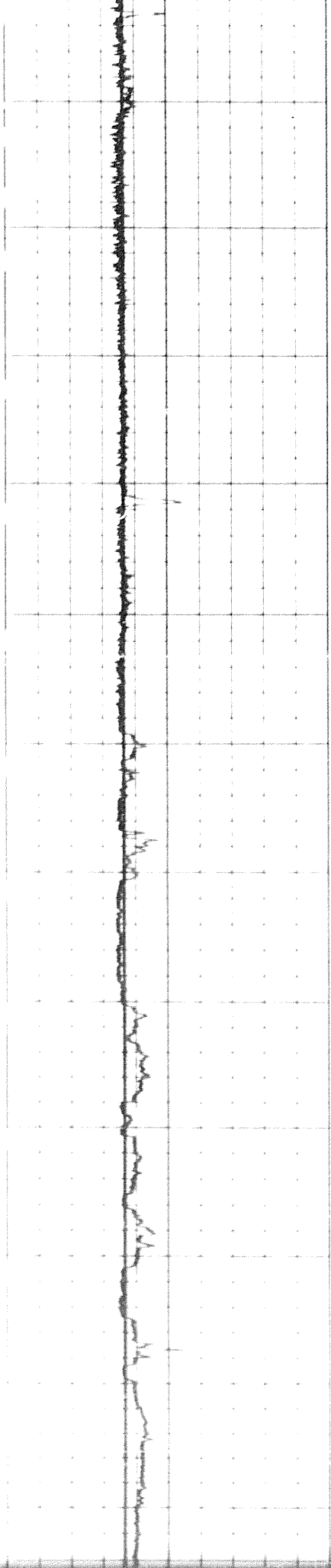
0.800

0.900

1.000

1.100

1.200



1100

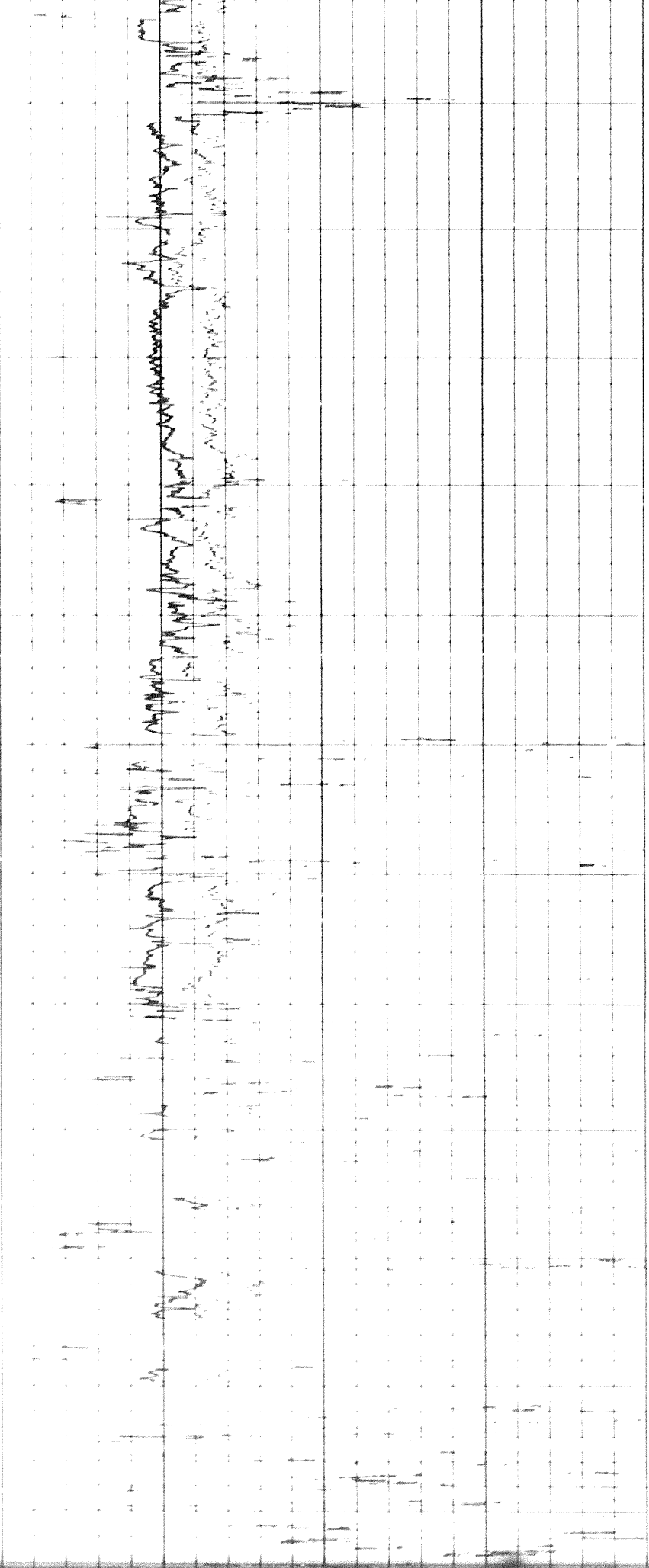
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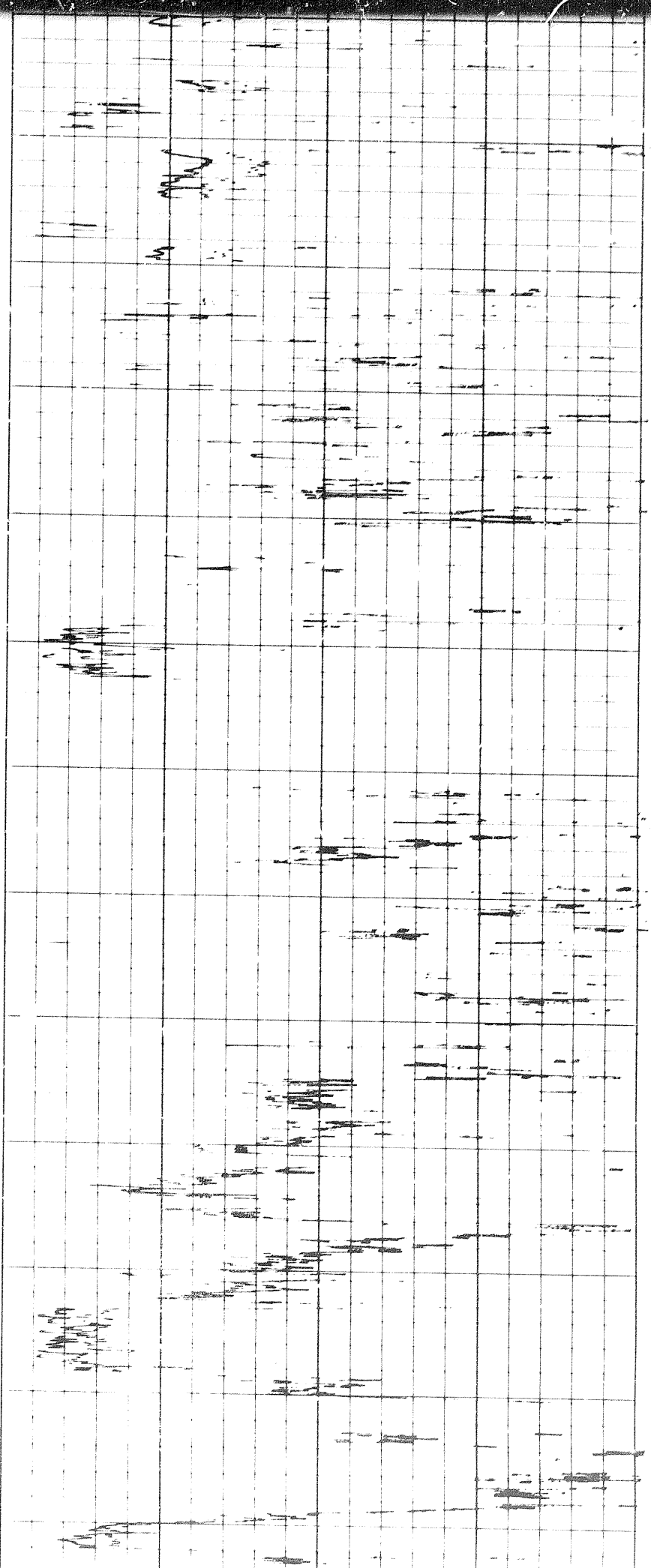
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1400

1500

1600





1500

1600

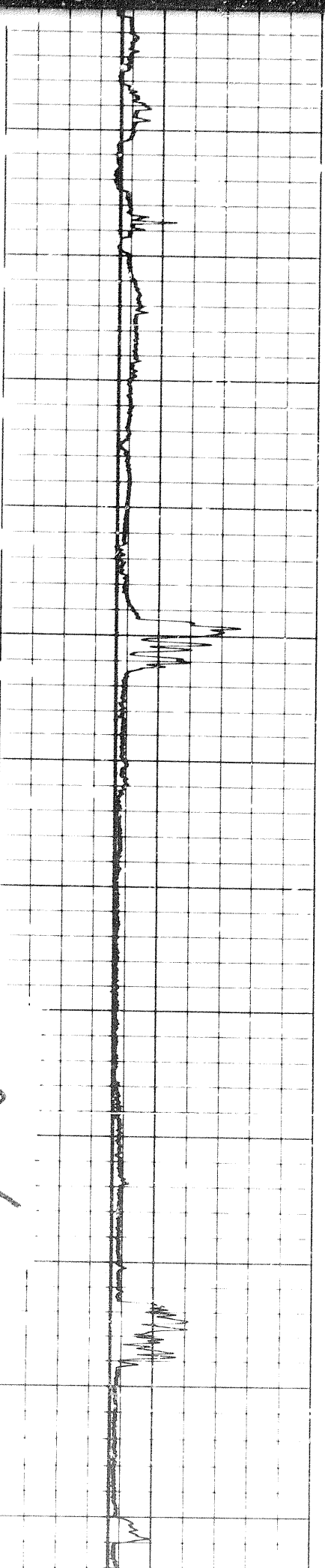
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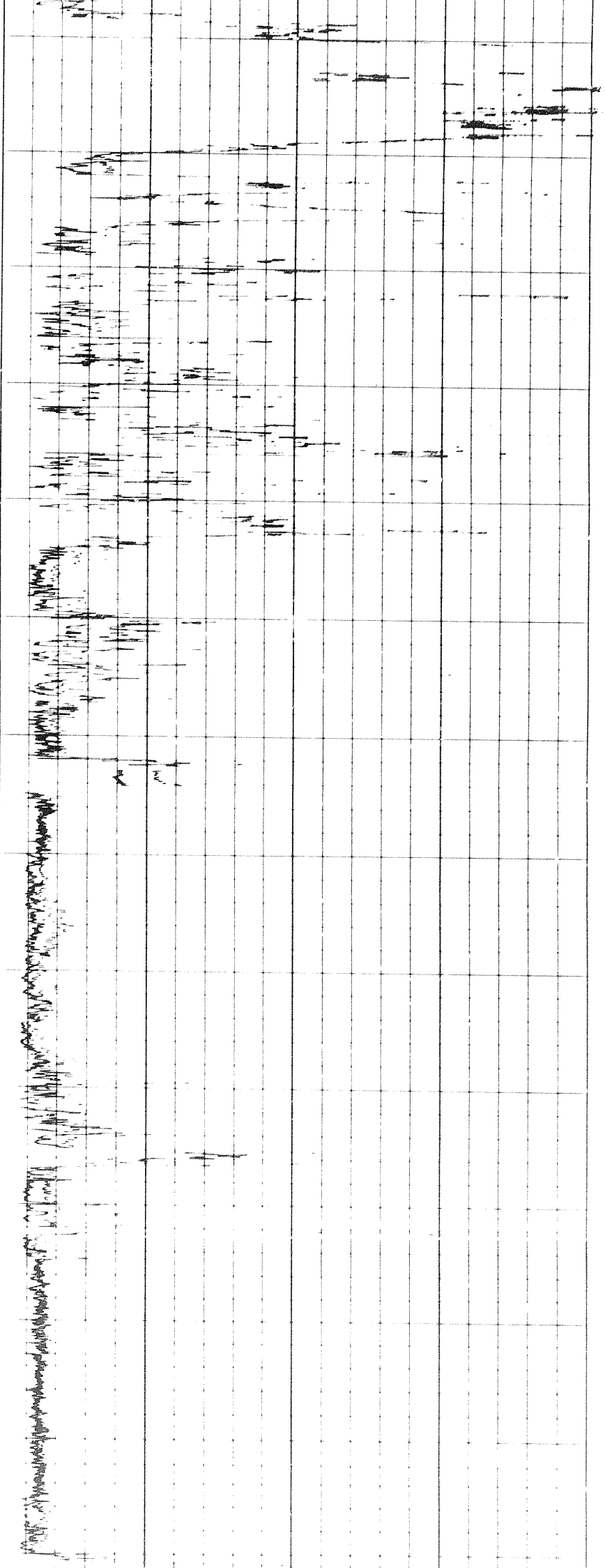
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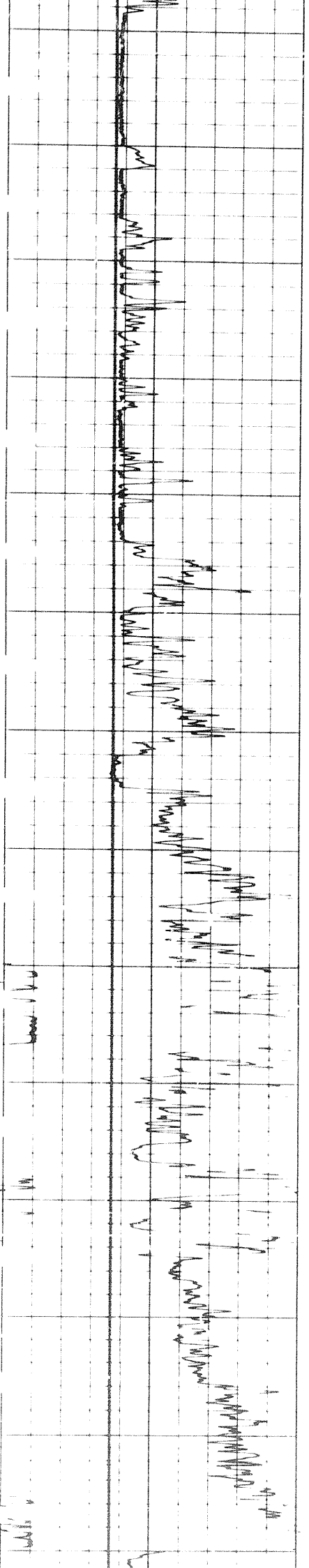
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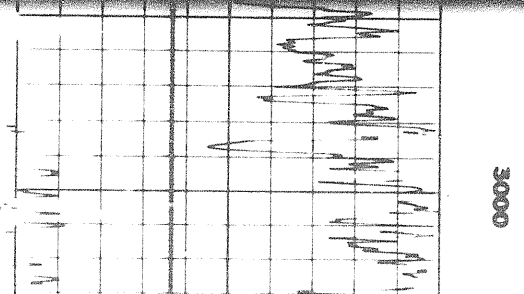
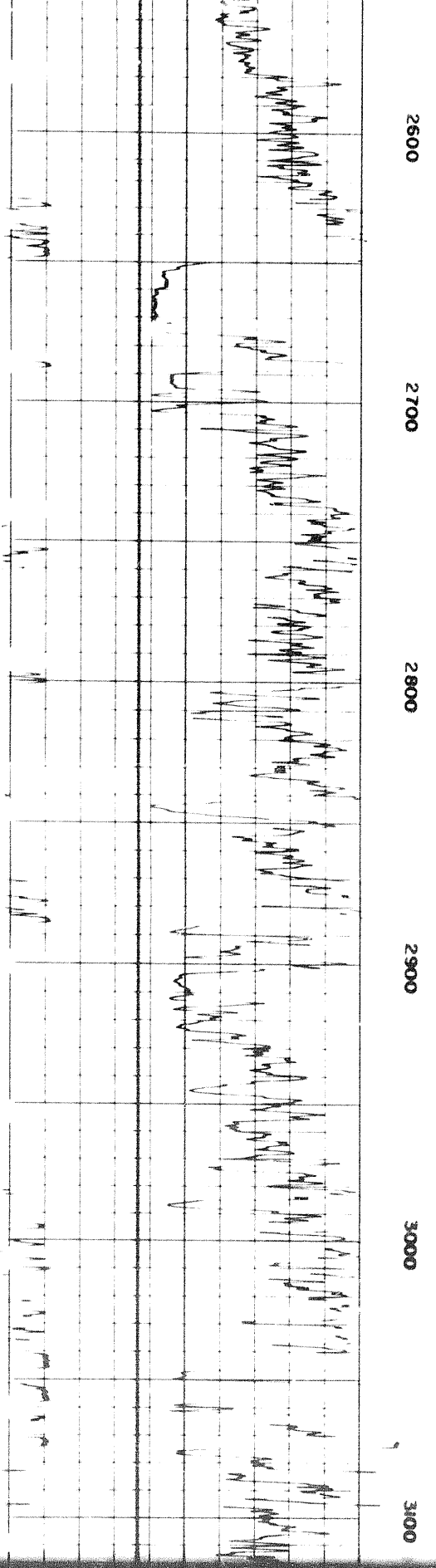
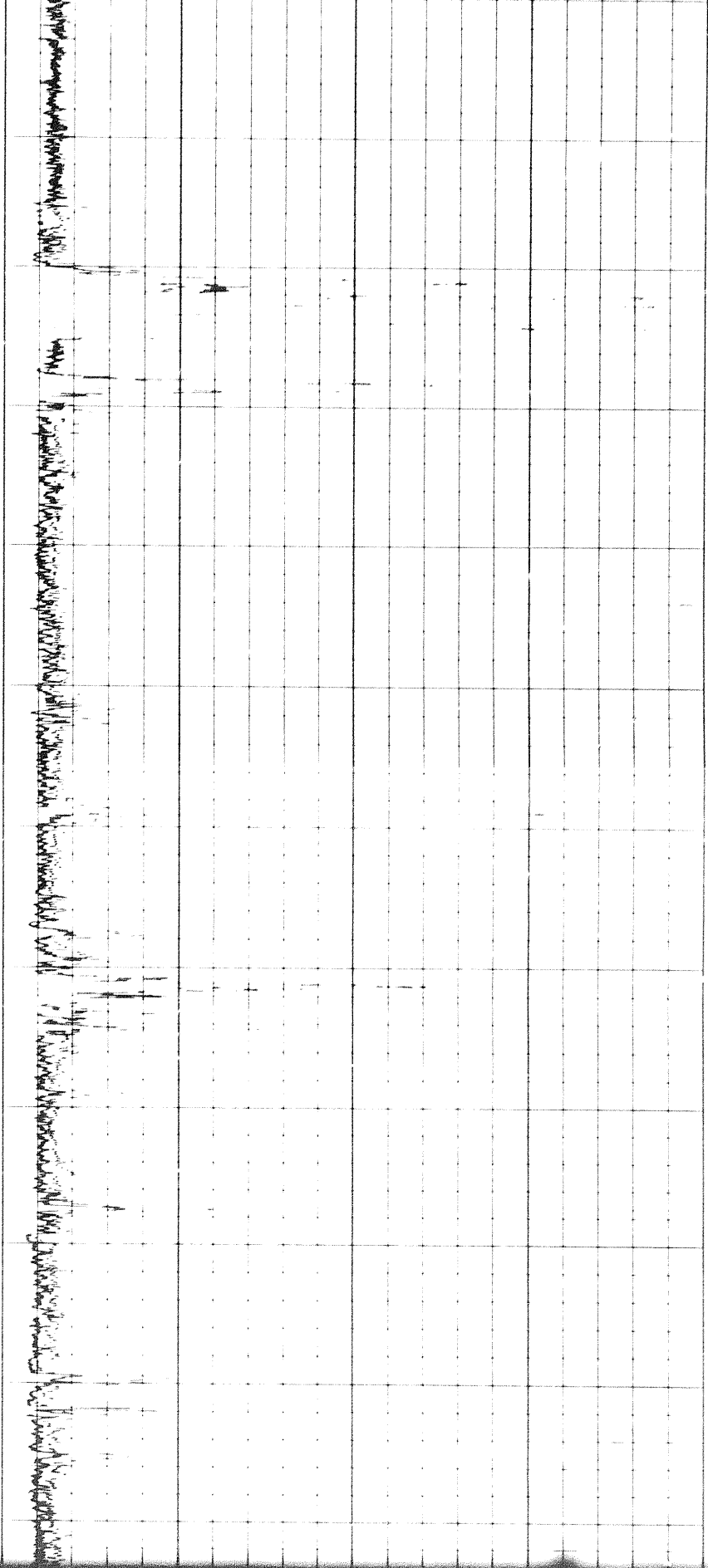
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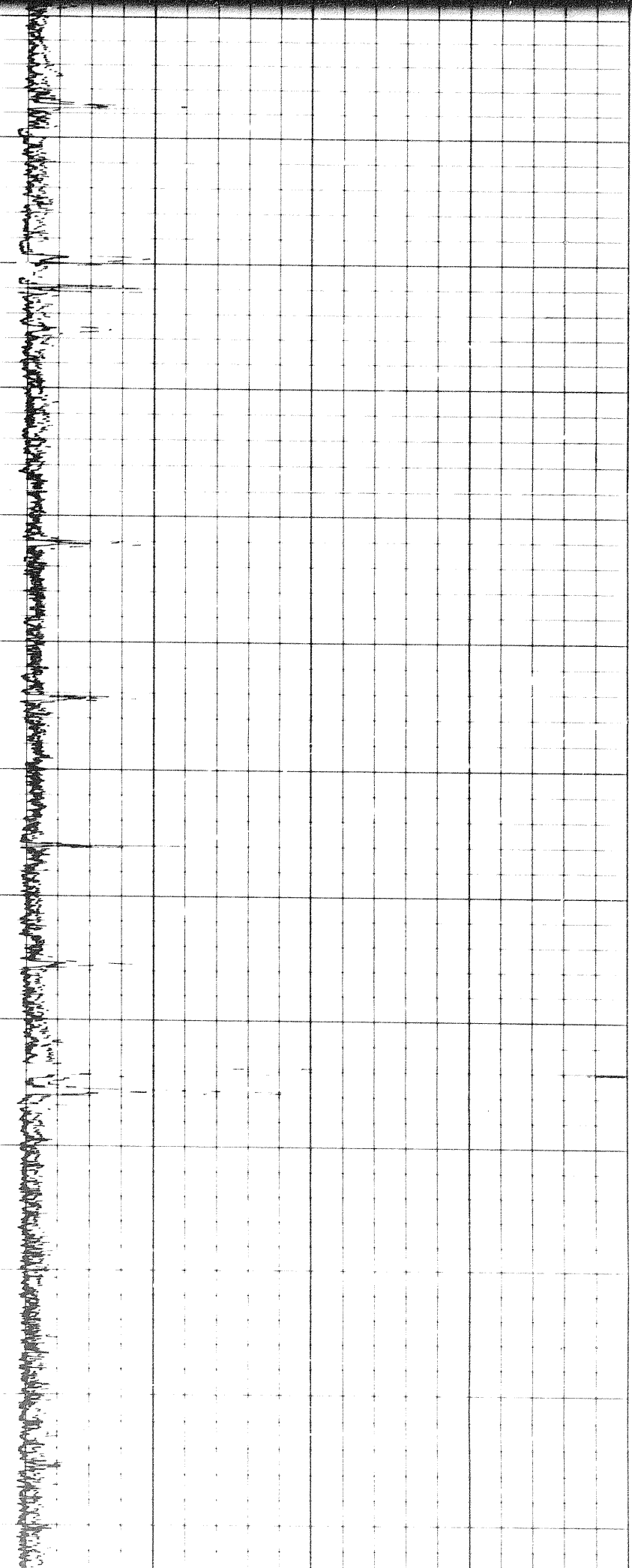


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3000



3000

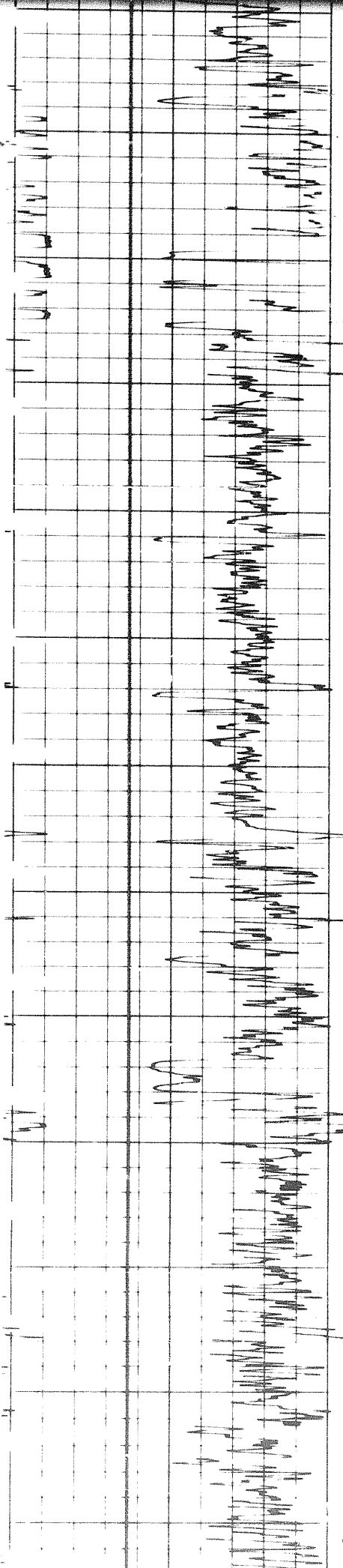
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3200

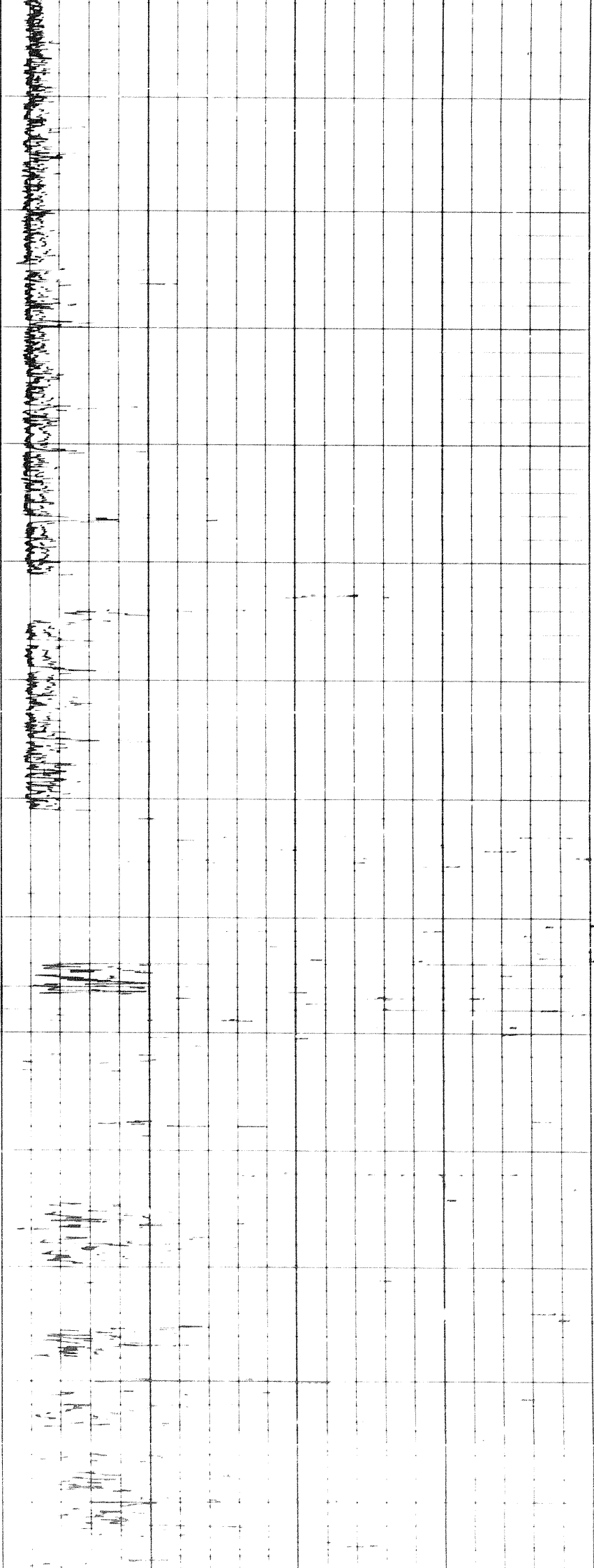
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3400

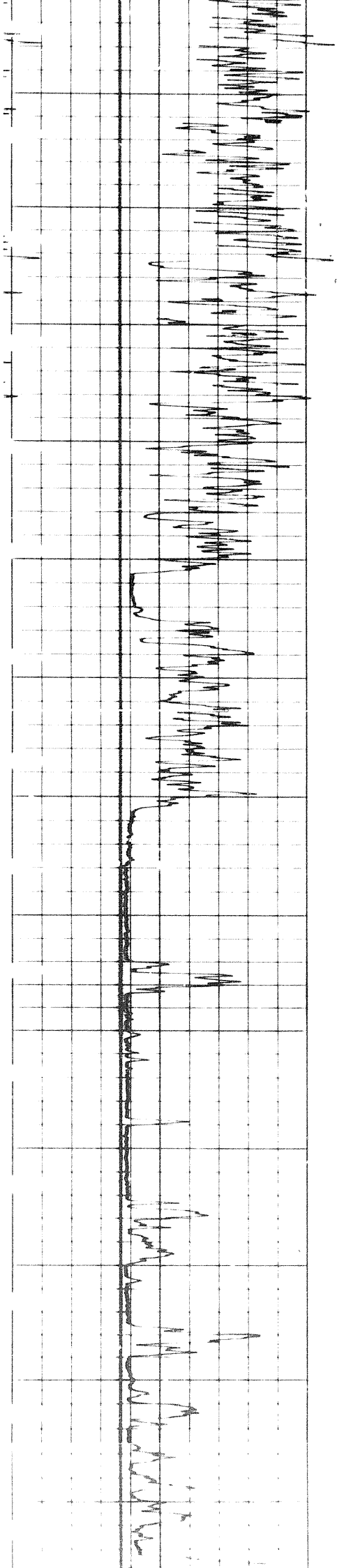
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22



3500 3600 3700 3800 3900 4000 4100





400

4100

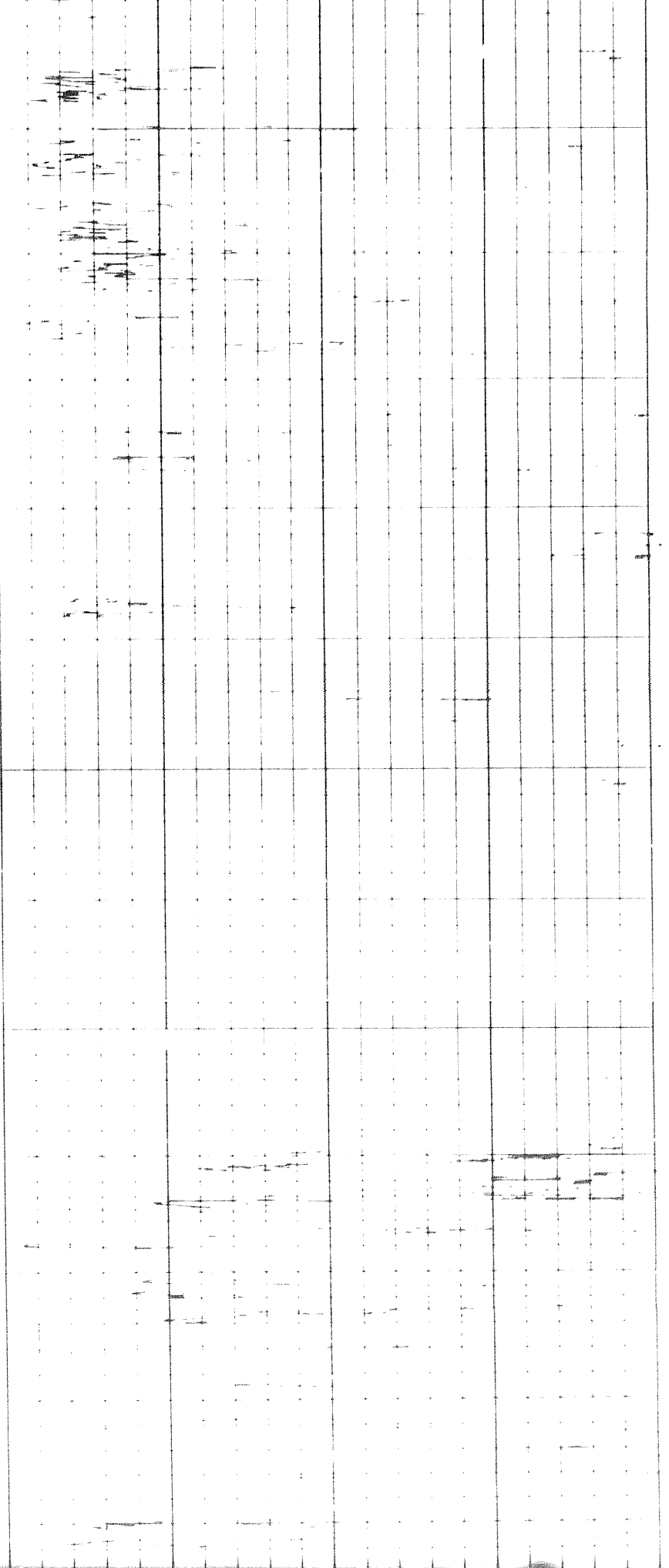
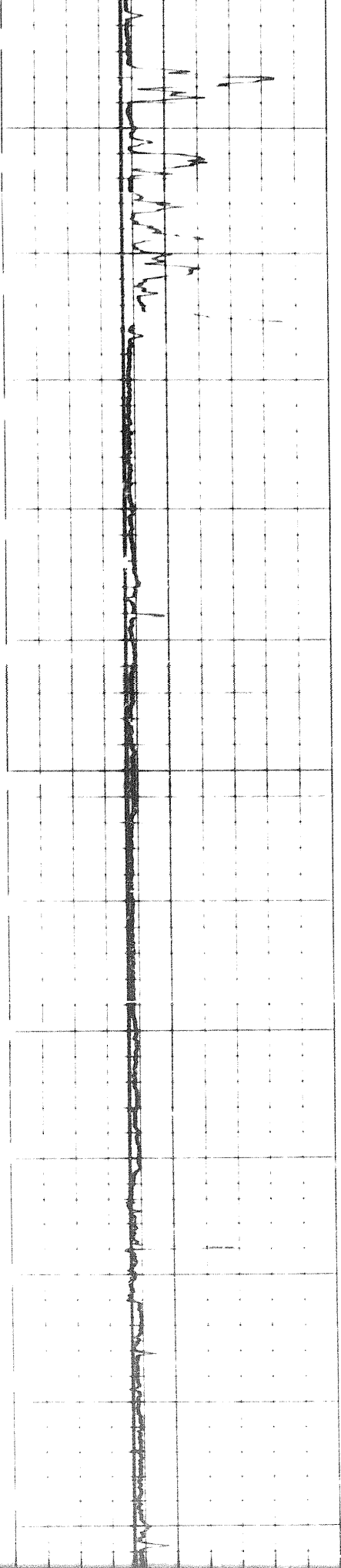
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4300

4400

4500

4600



5000

4500

4600

4700

4800

4900

5000

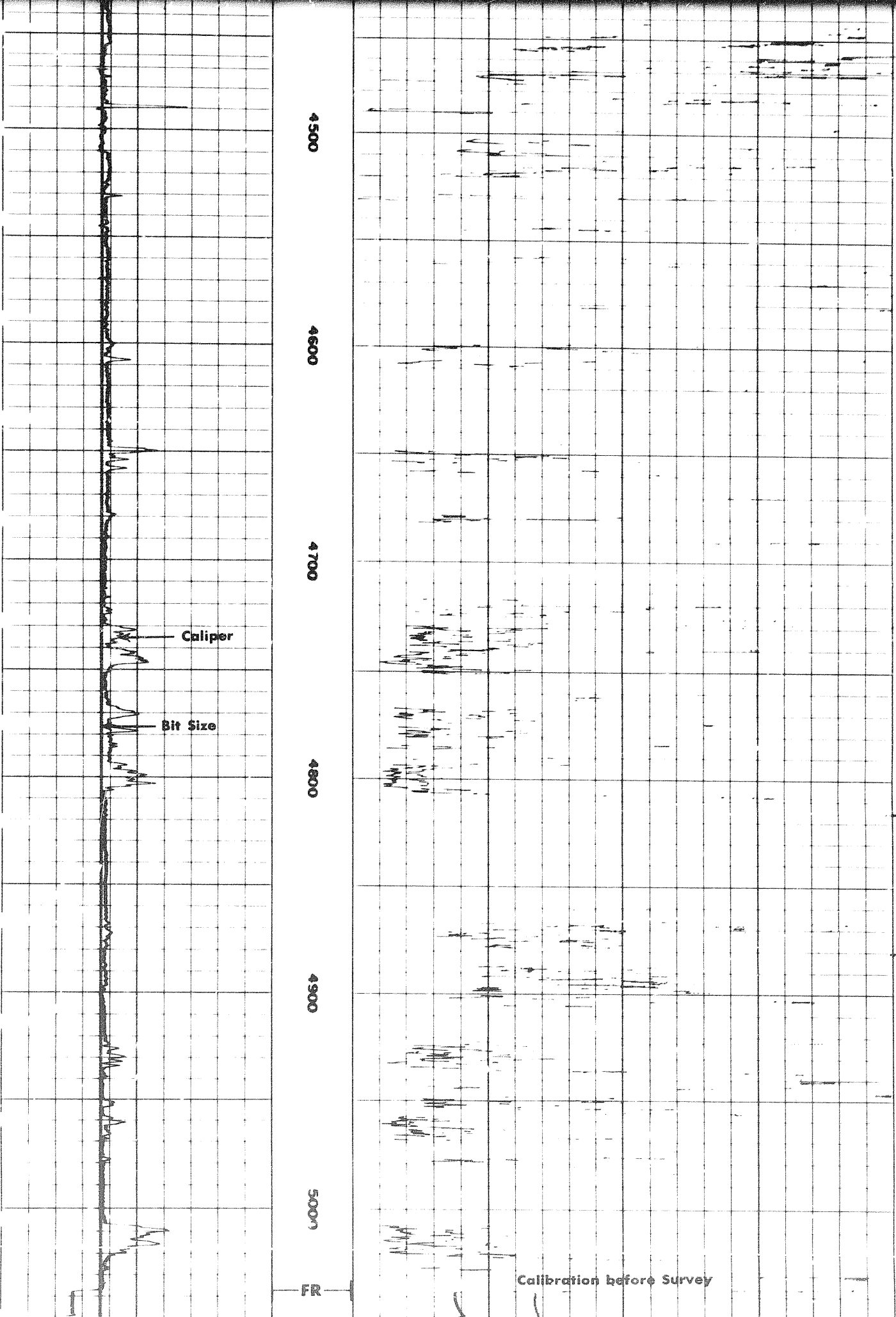
FR

Caliper

Bit Size

Calibration before Survey

Handwritten scribble



5000

FR

Calibration before Survey

CALIPER  
hole diameter in inches

DEPTHS

DETAIL LOG 5"  
RUN #1

MICROLOG  
resistivity in ohms m<sup>2</sup>/m

Speed in FPM  
6 7 8 9 10 11 12 13 14

Micro Inverse 1' x 1'  
20 40

Micro Normal 2'  
20 40

0660  
Casing

5 1/2" size

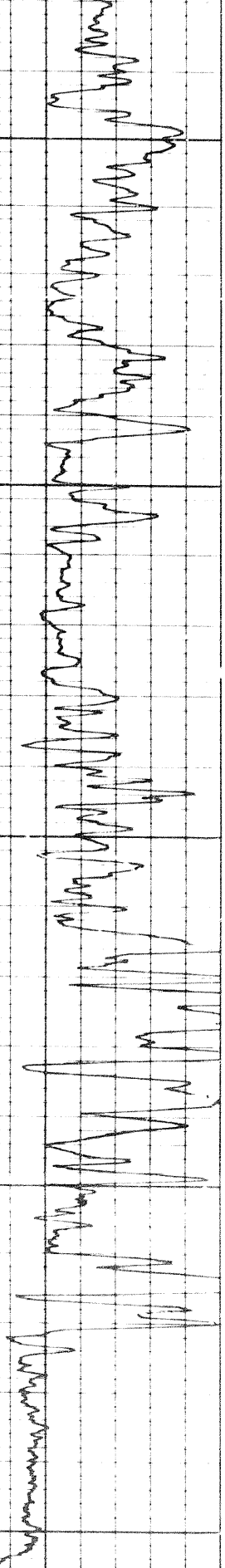
Caliper

0700

11-11-60

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0080

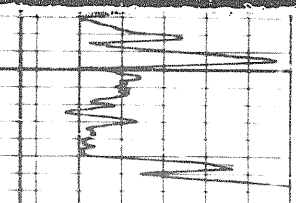


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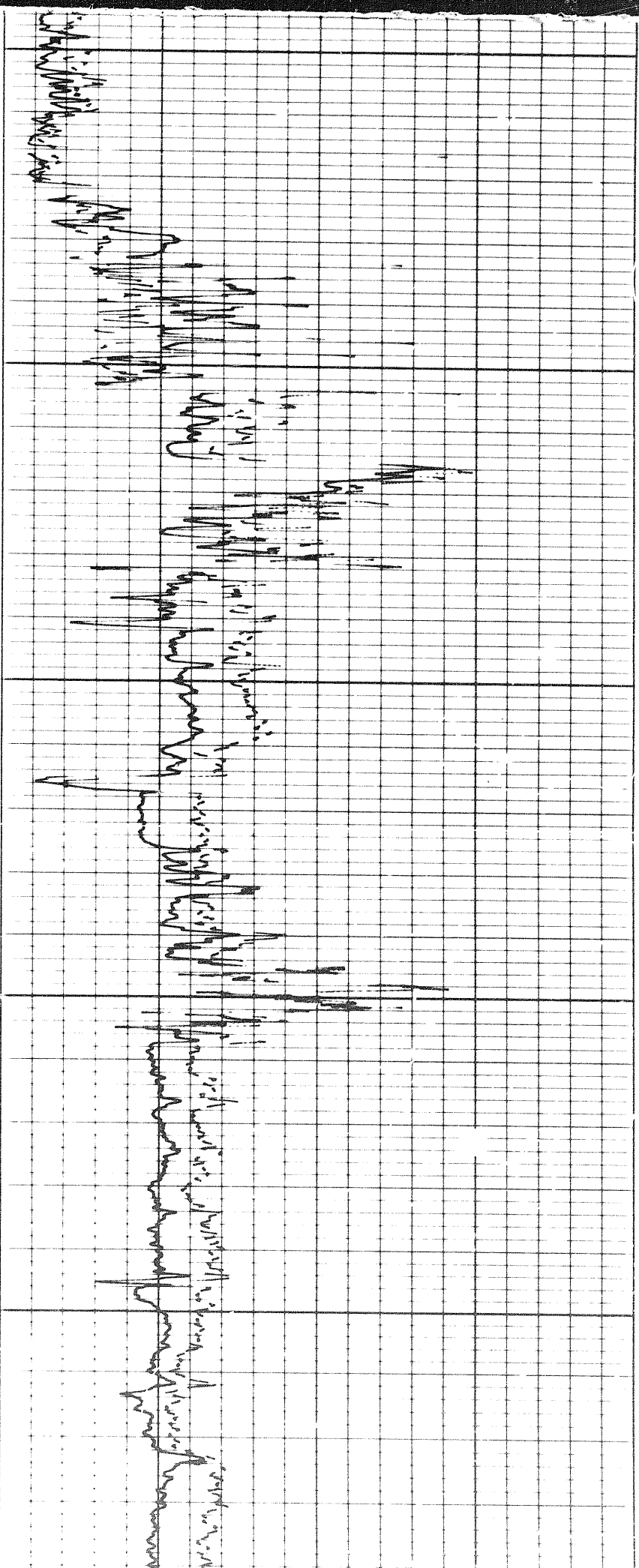
0900

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0060



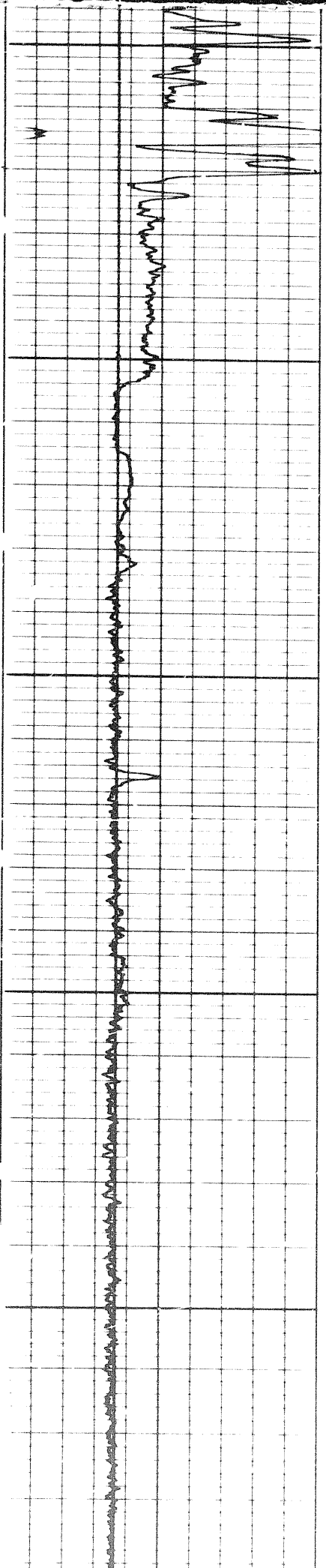
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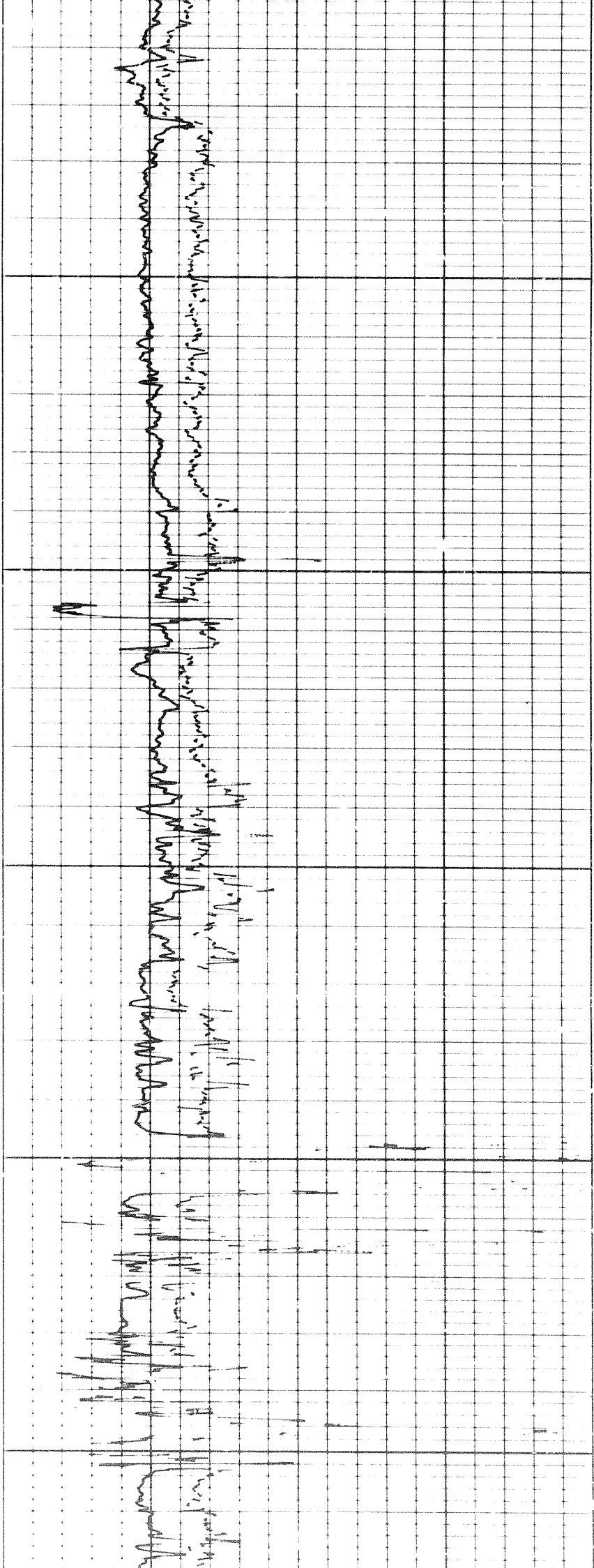
0900

1000

1100

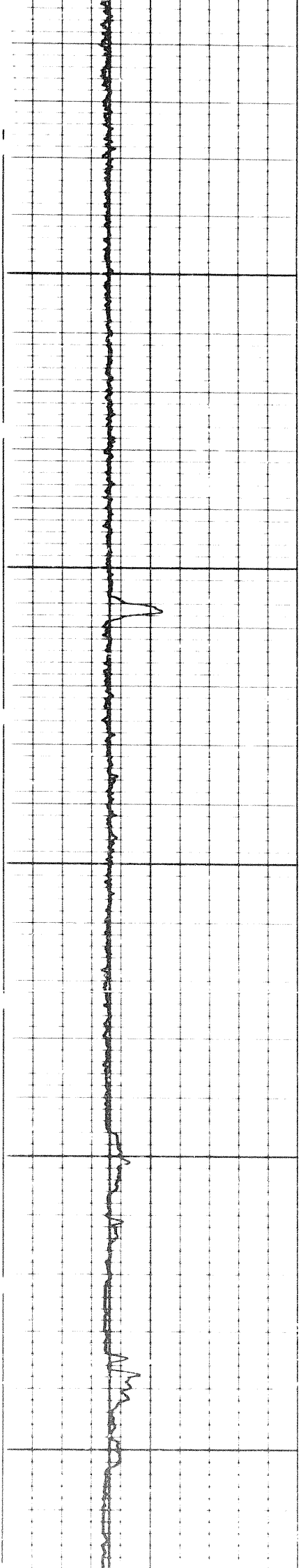


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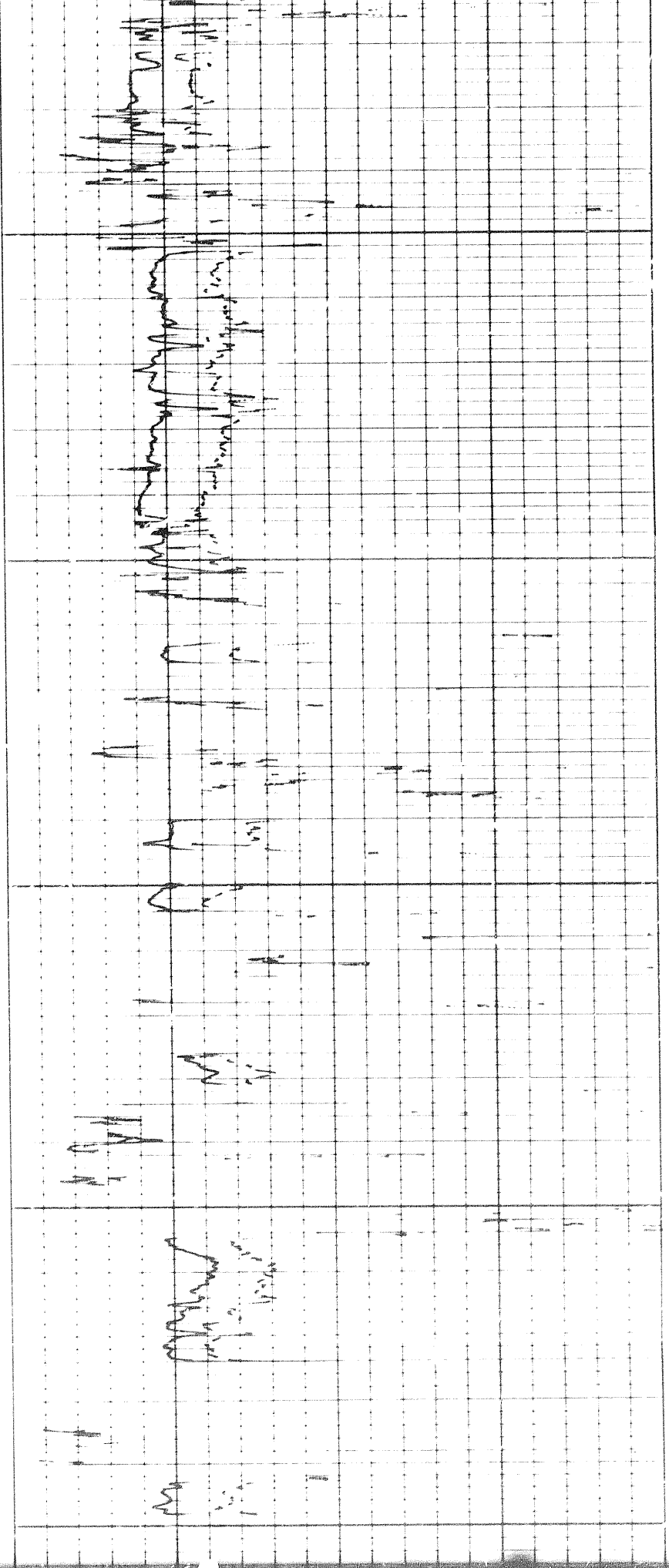


1200

1300

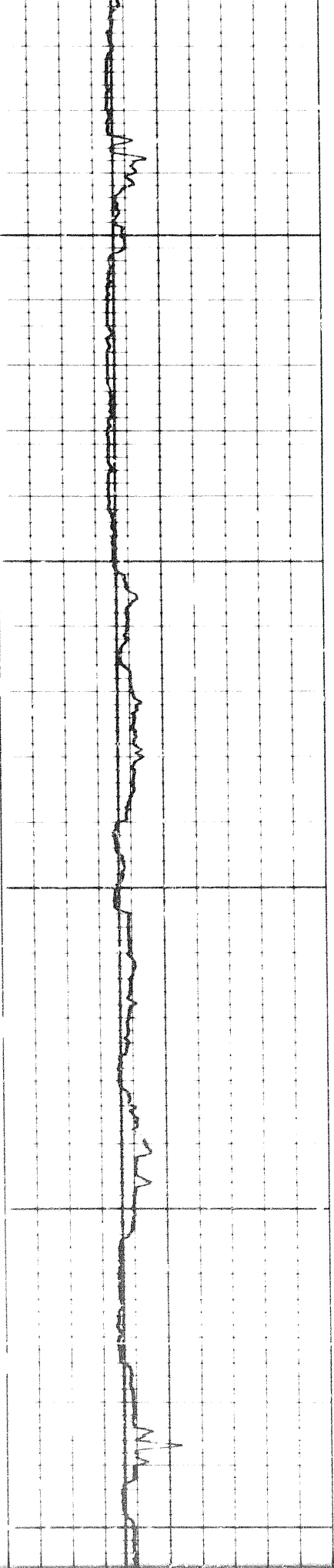


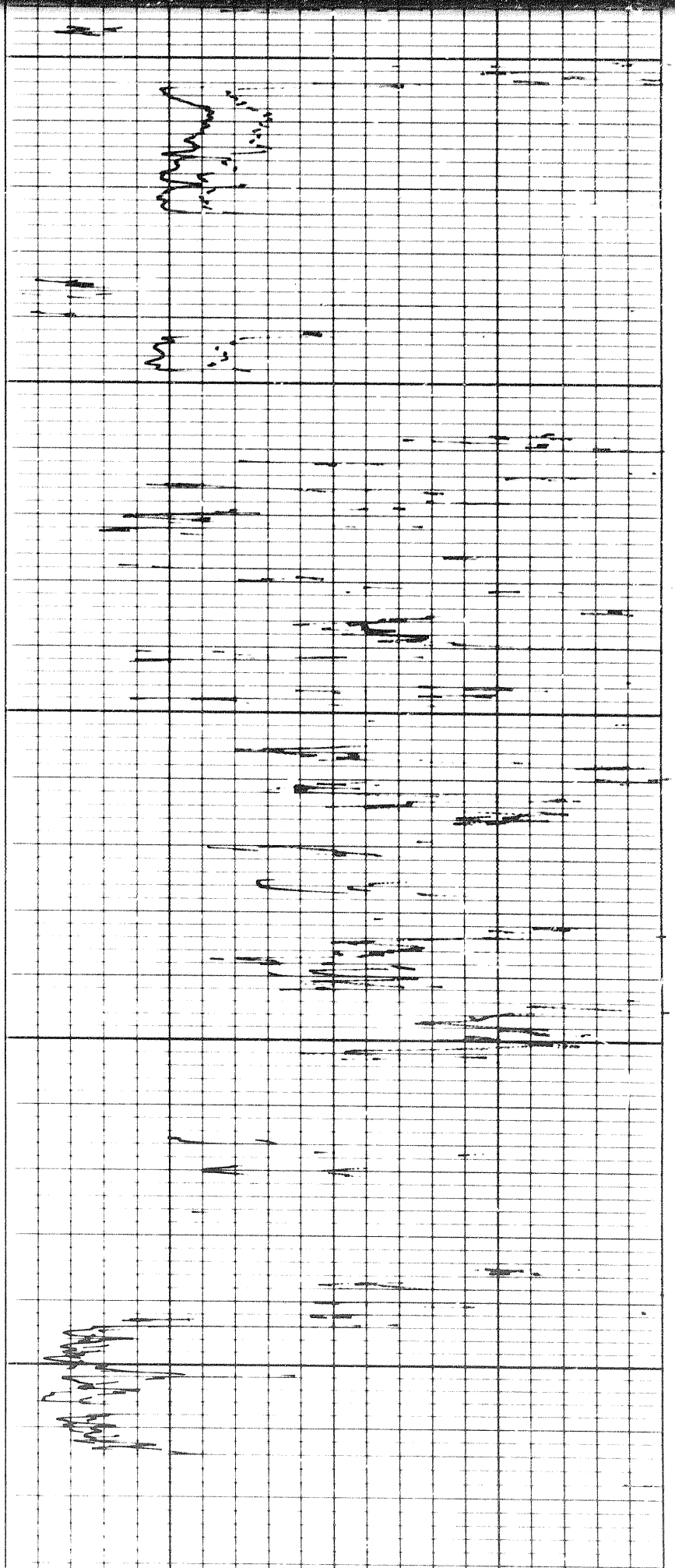
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1400

1500

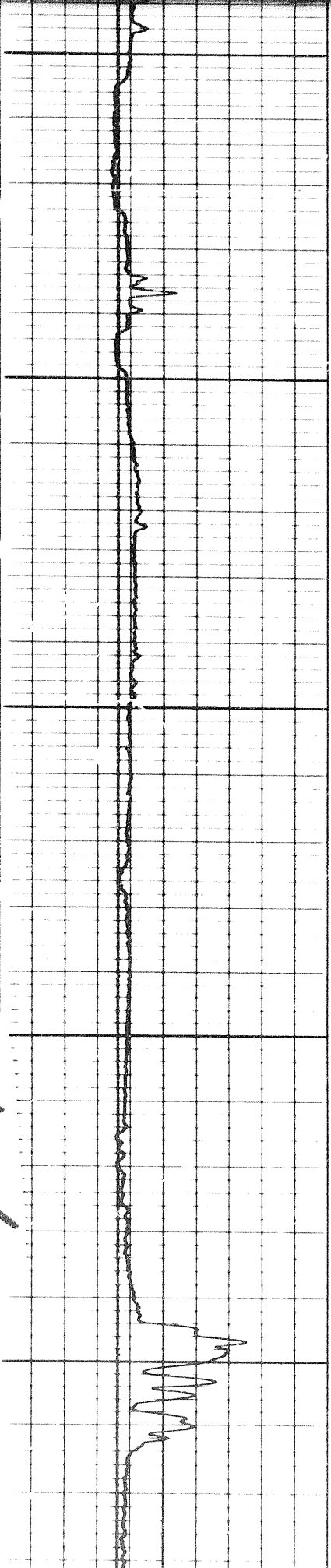




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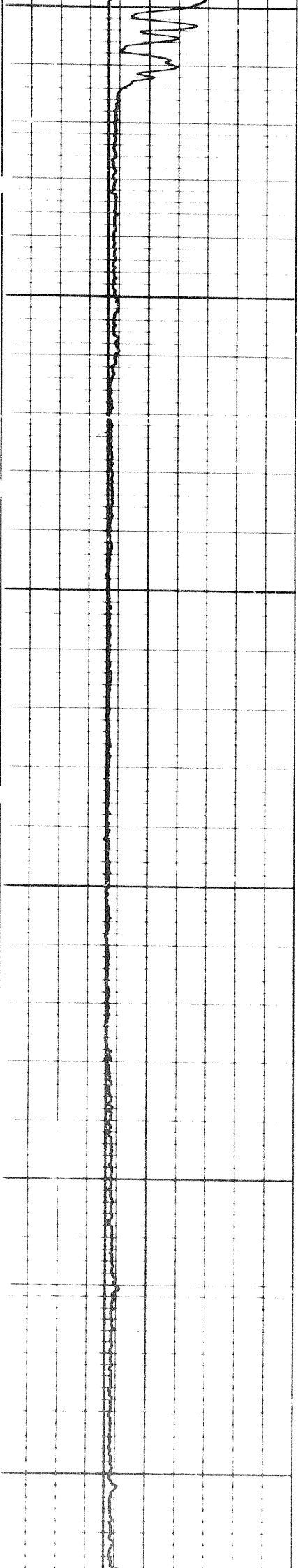
1600

1700



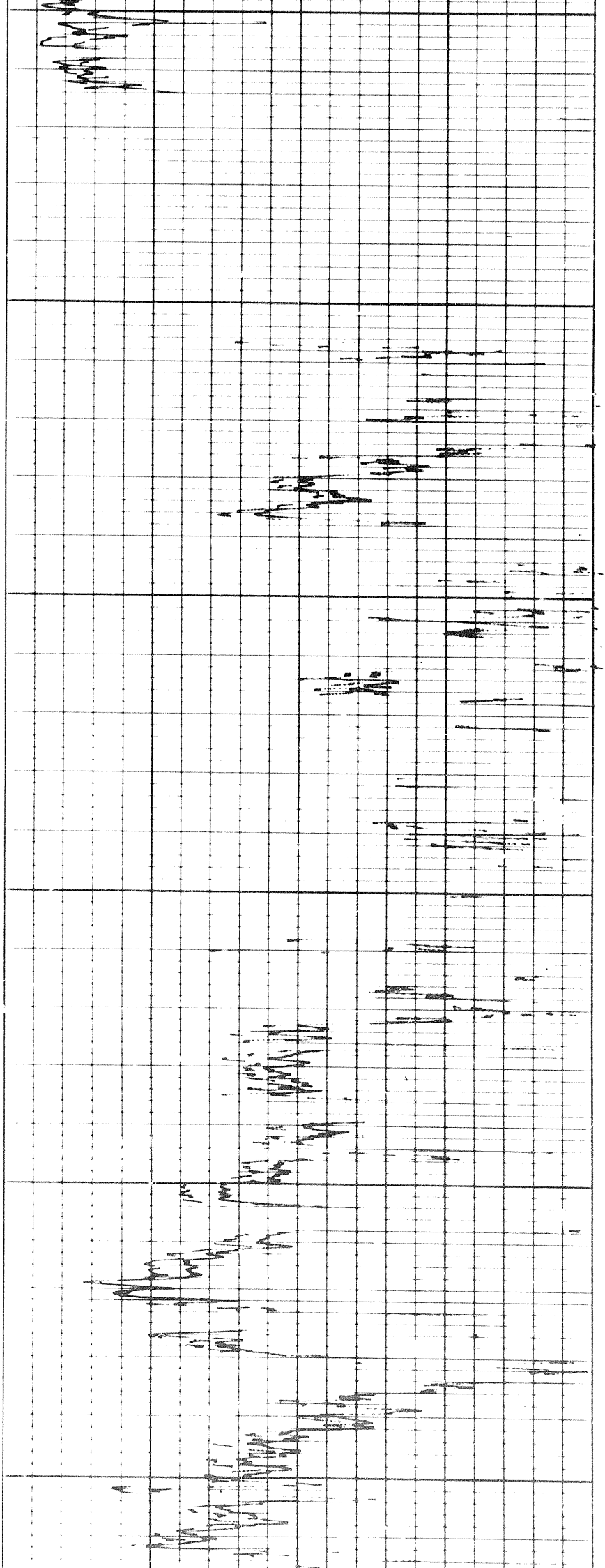
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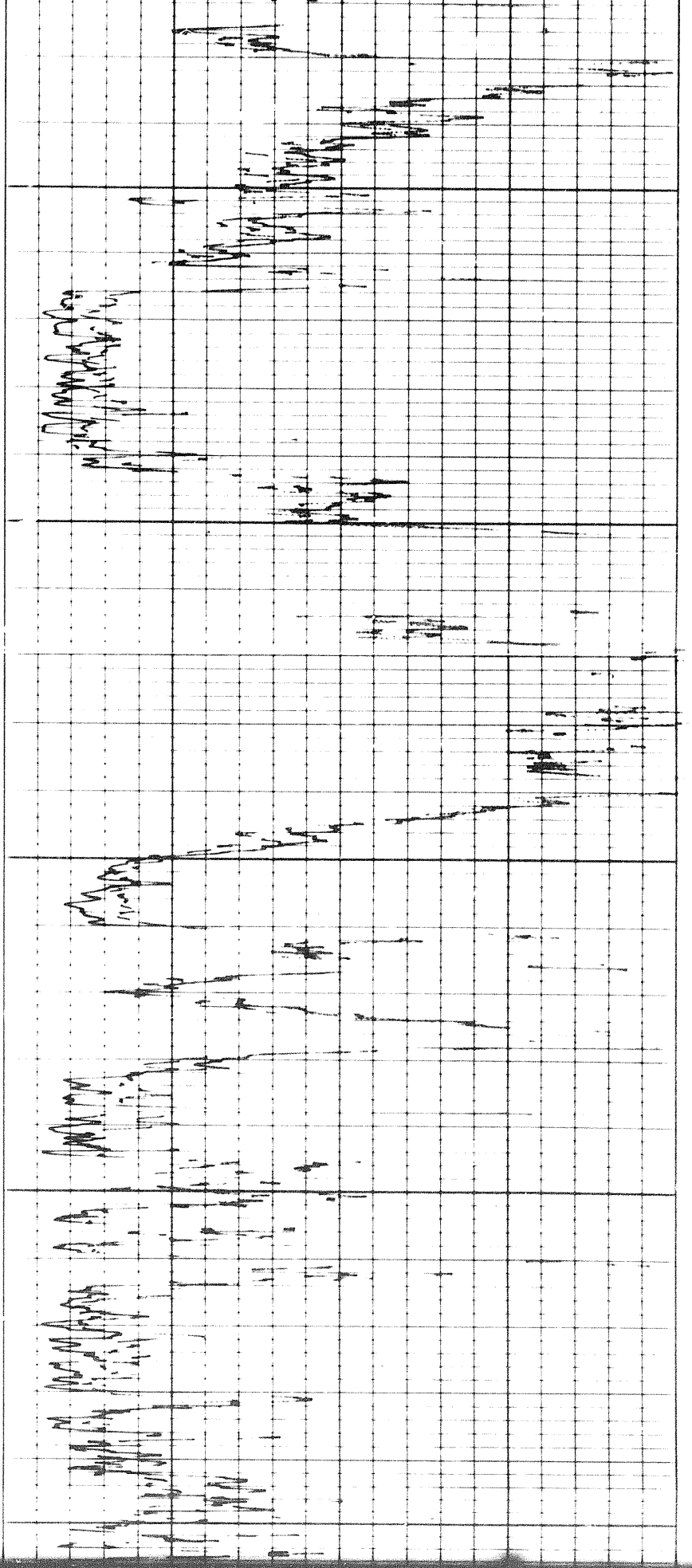




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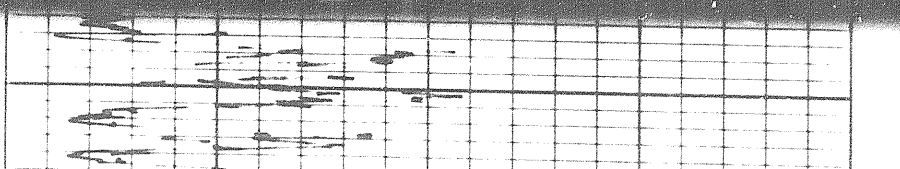
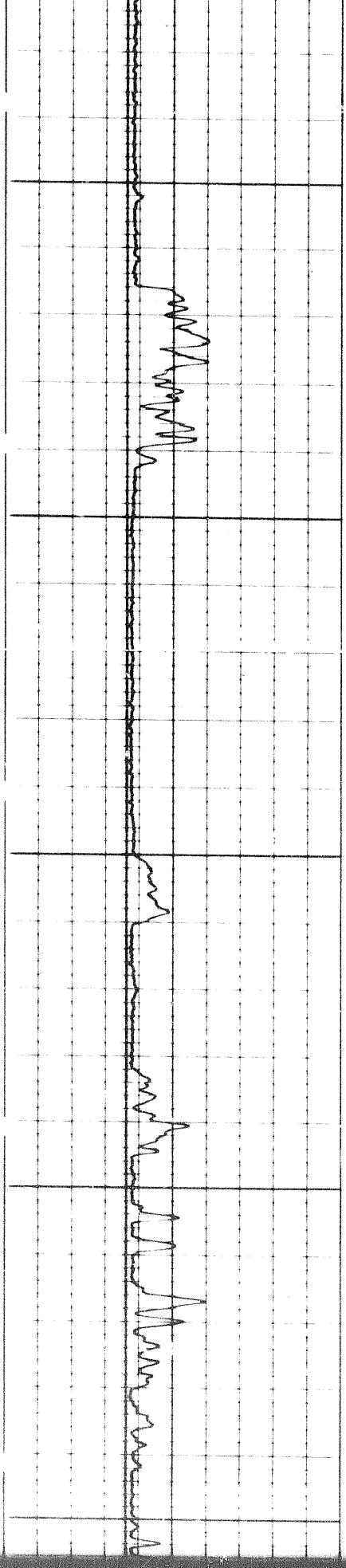
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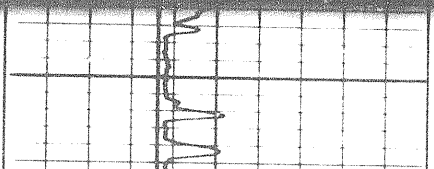


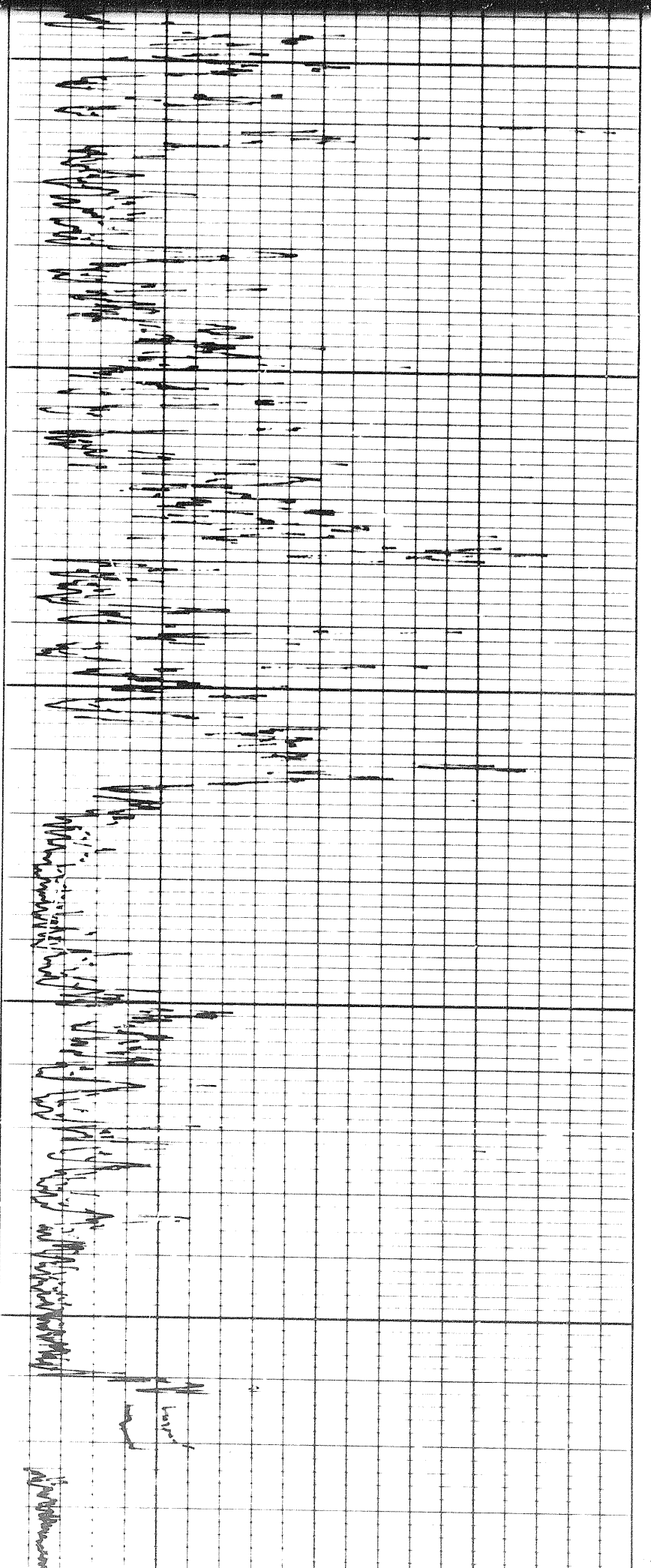
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2100



2100

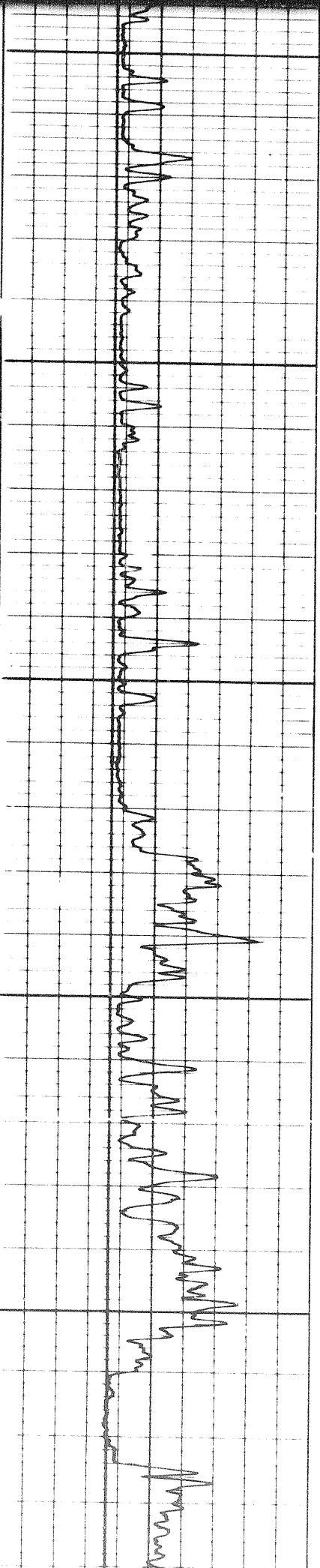




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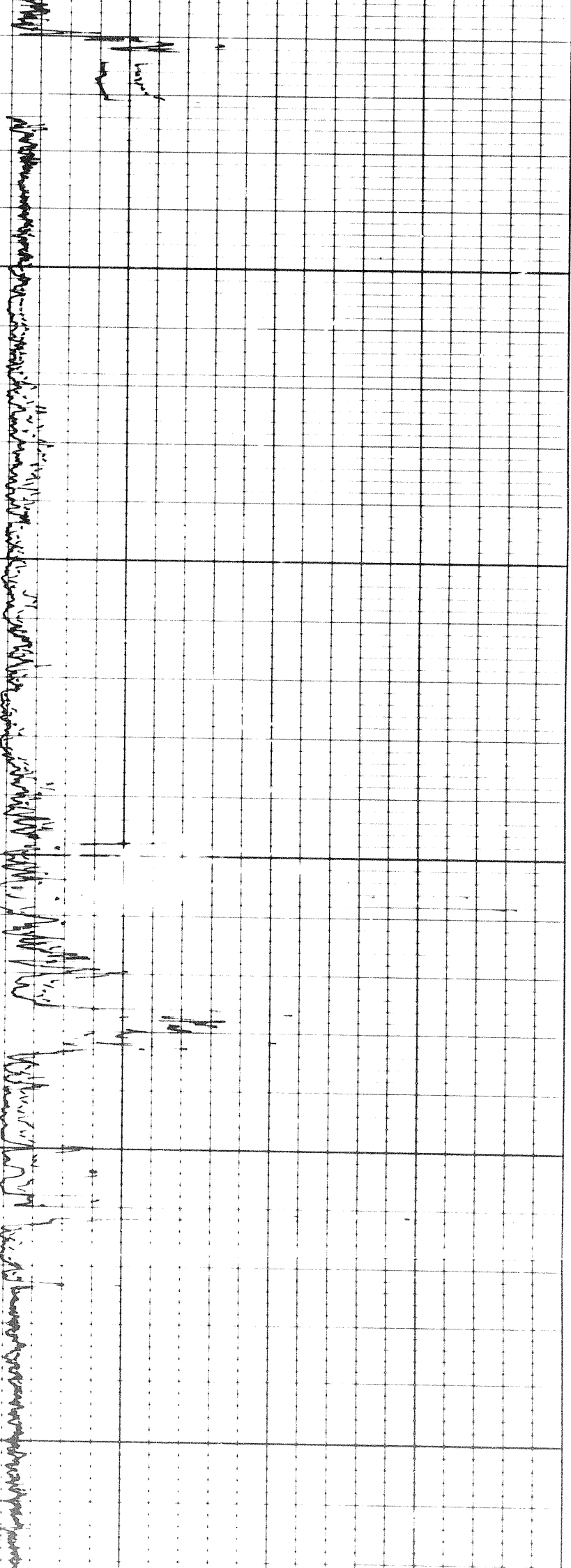
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2300



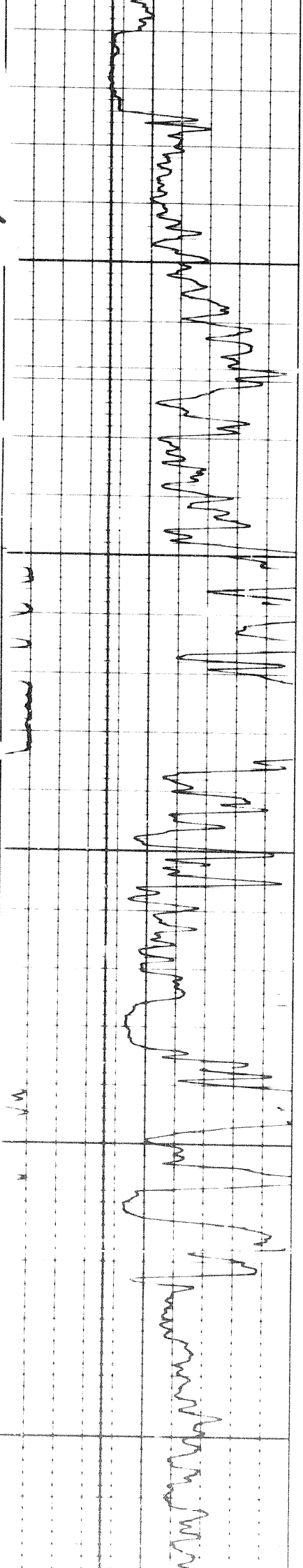
702

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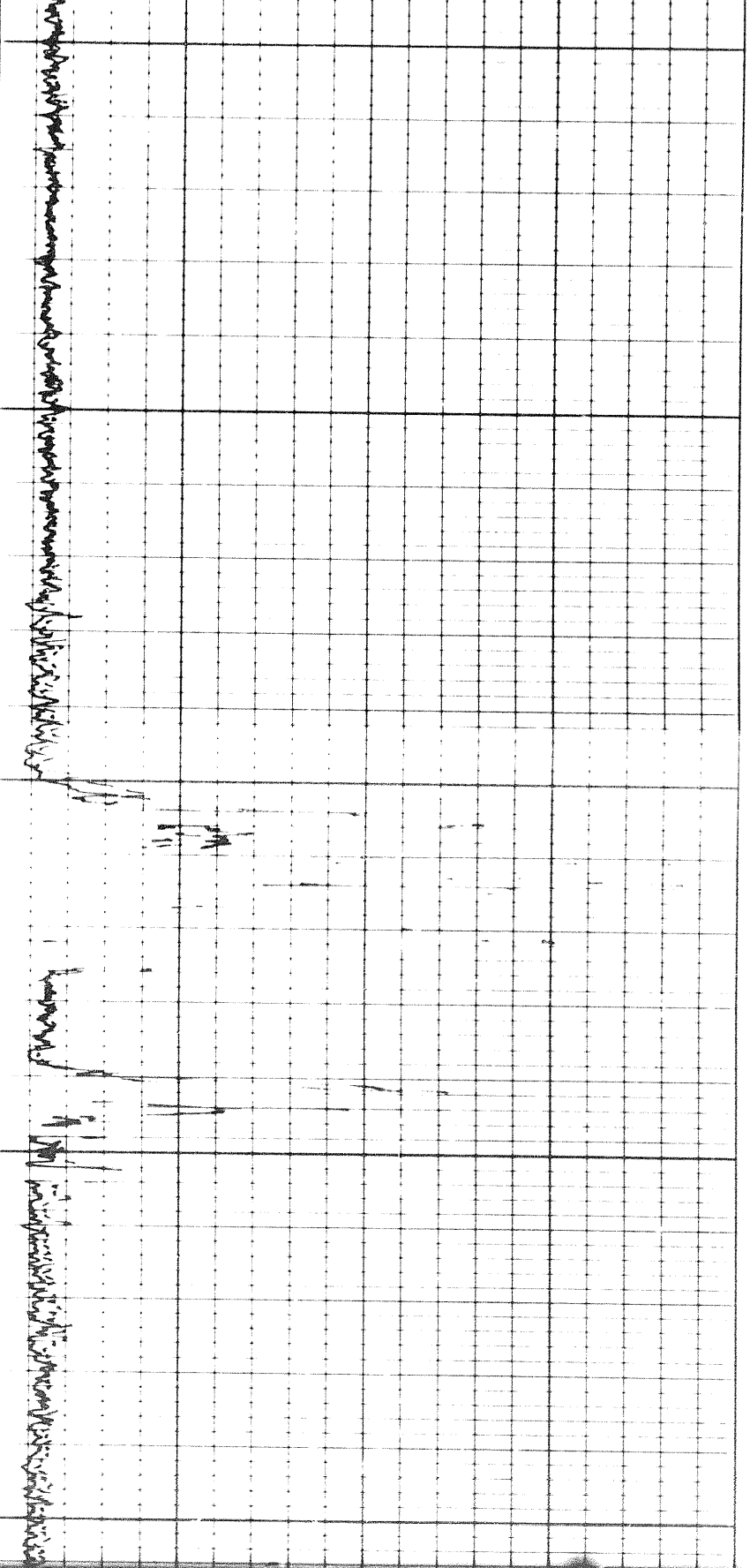


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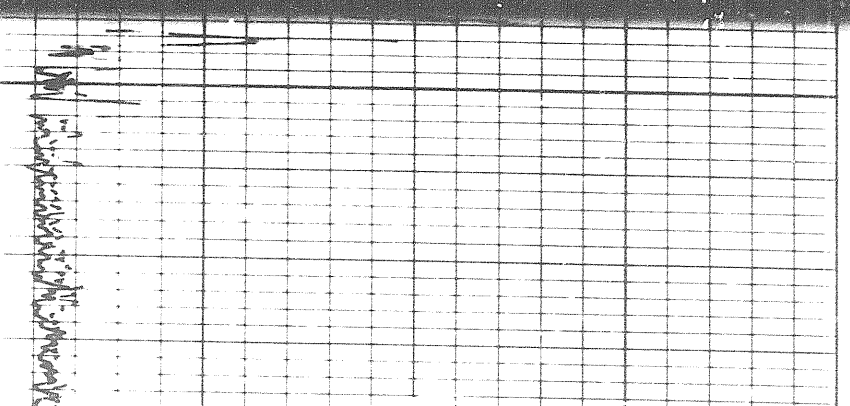
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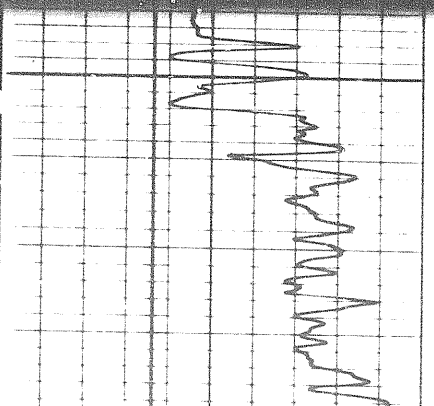
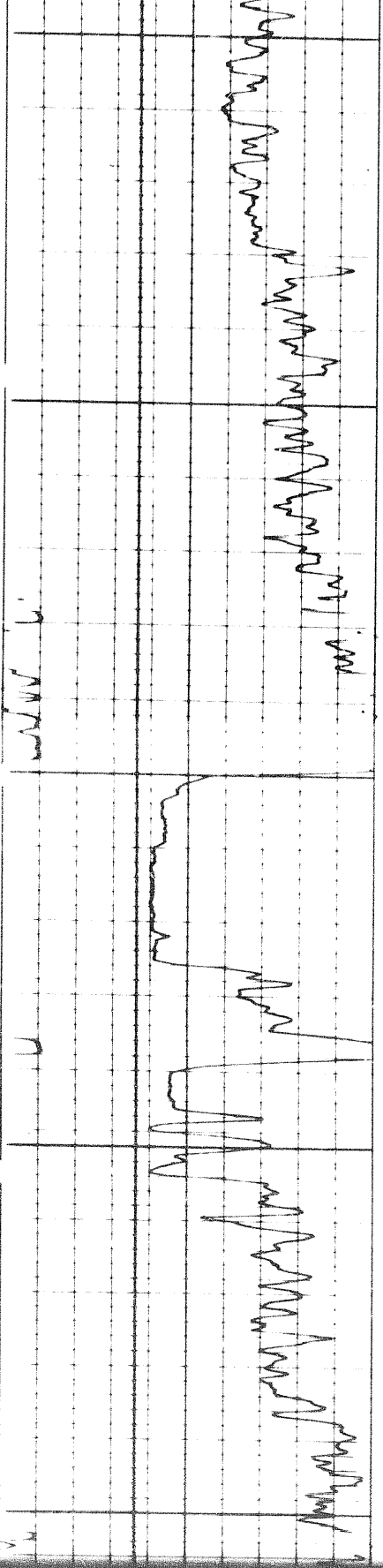
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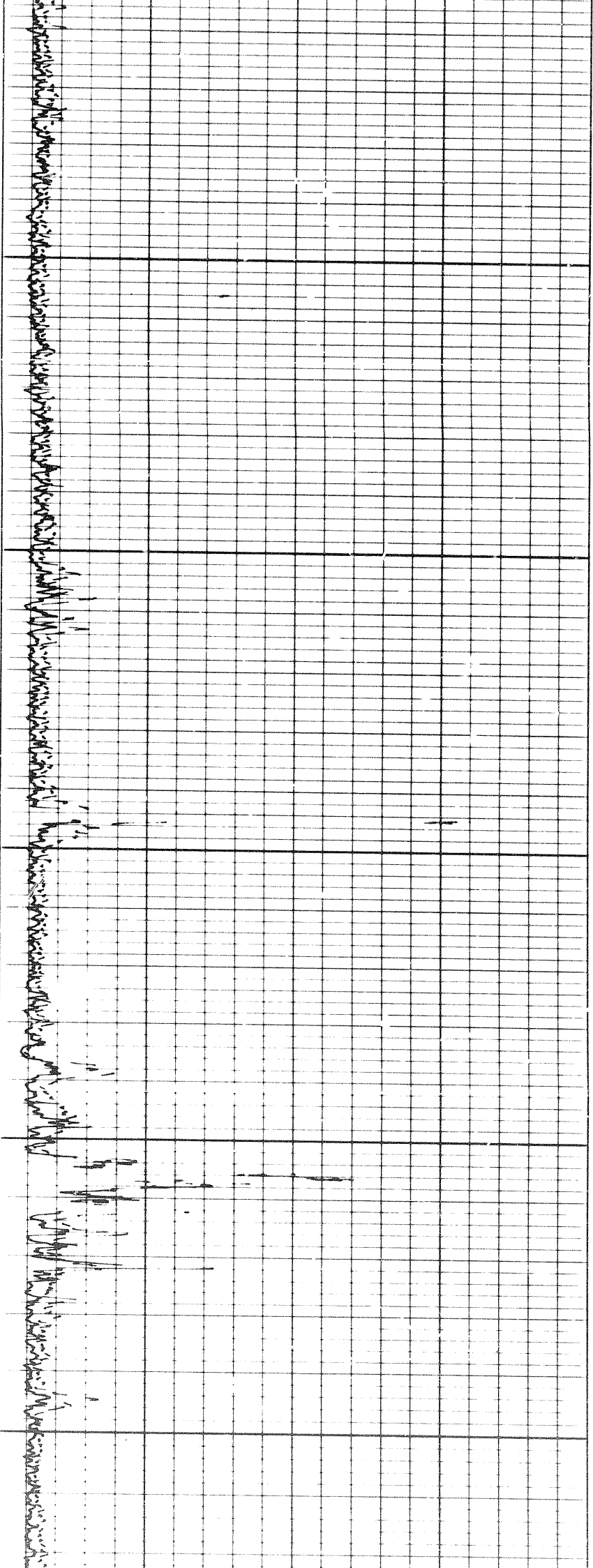


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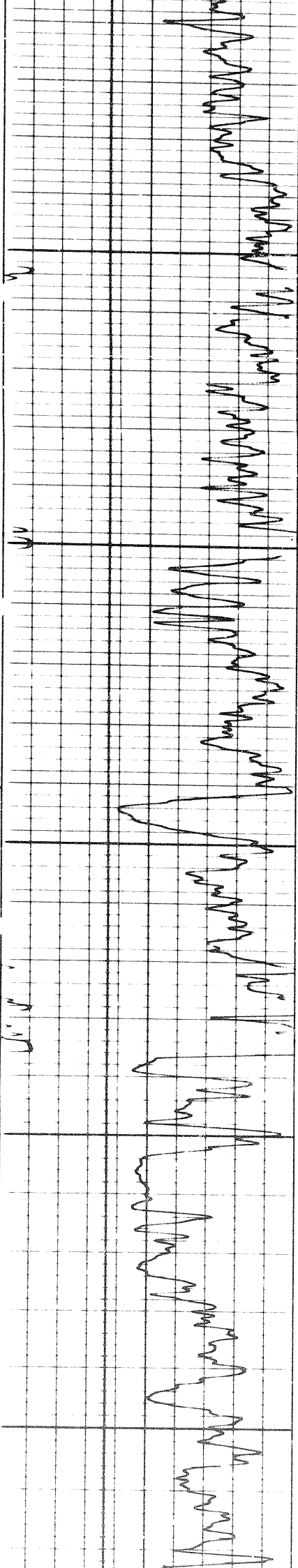
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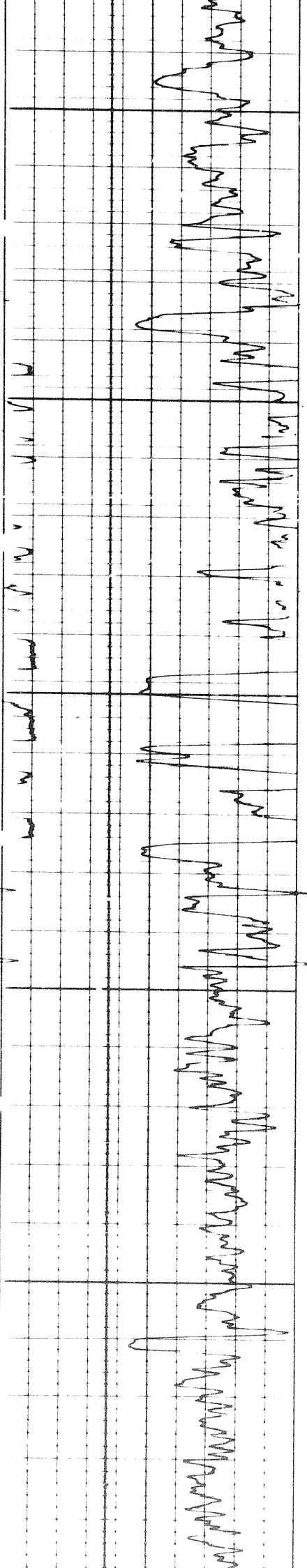


2800

2900



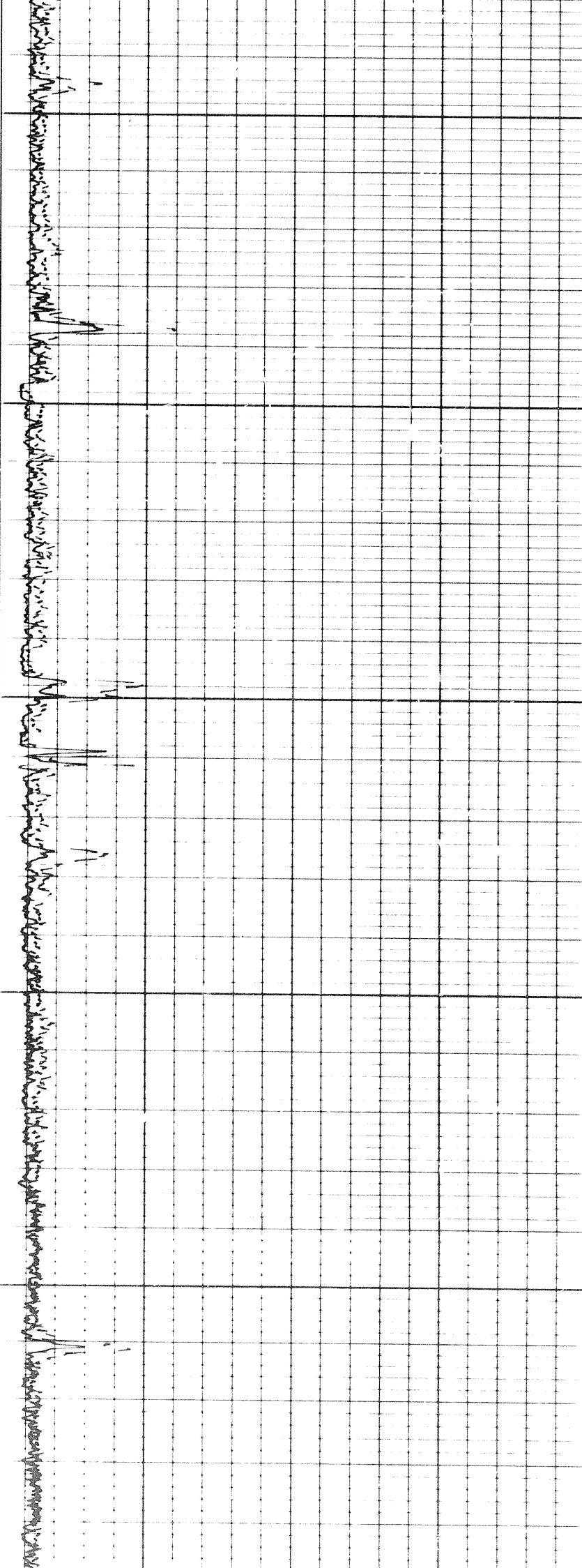
CP



3000

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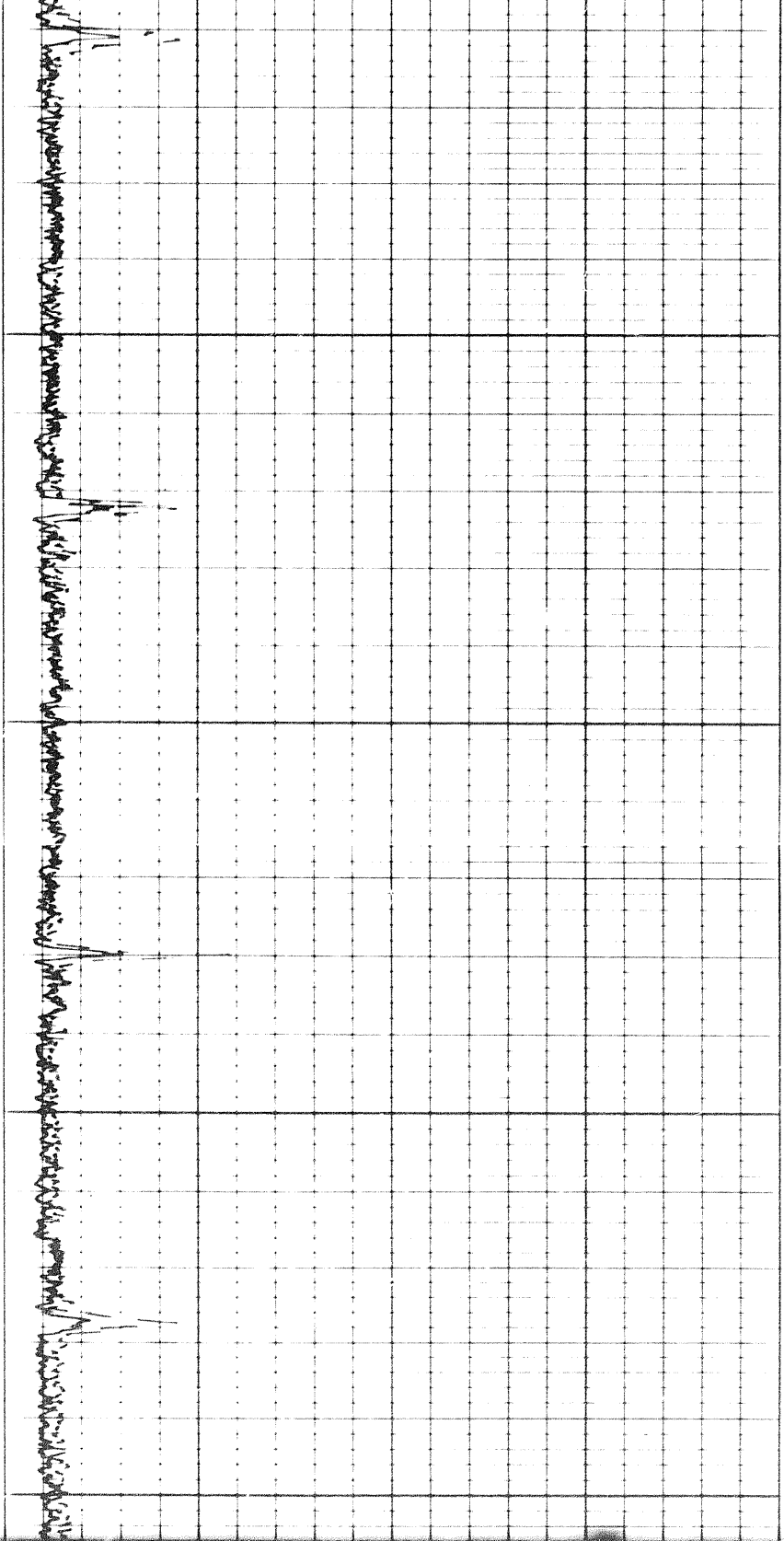
3



3000

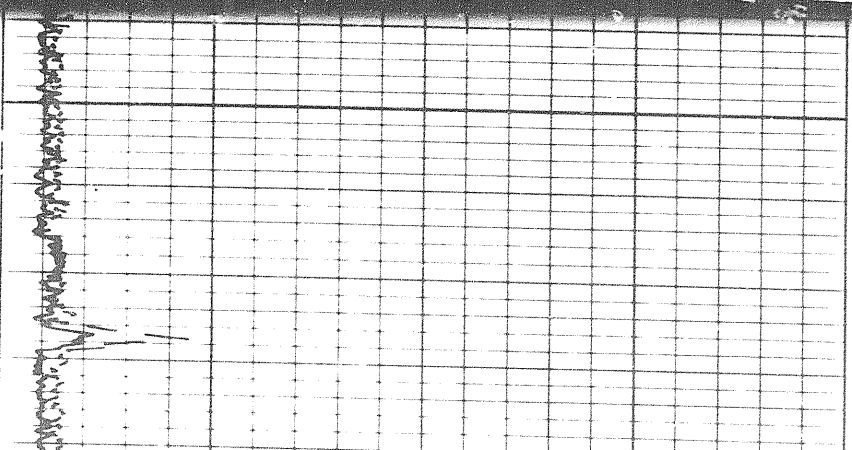
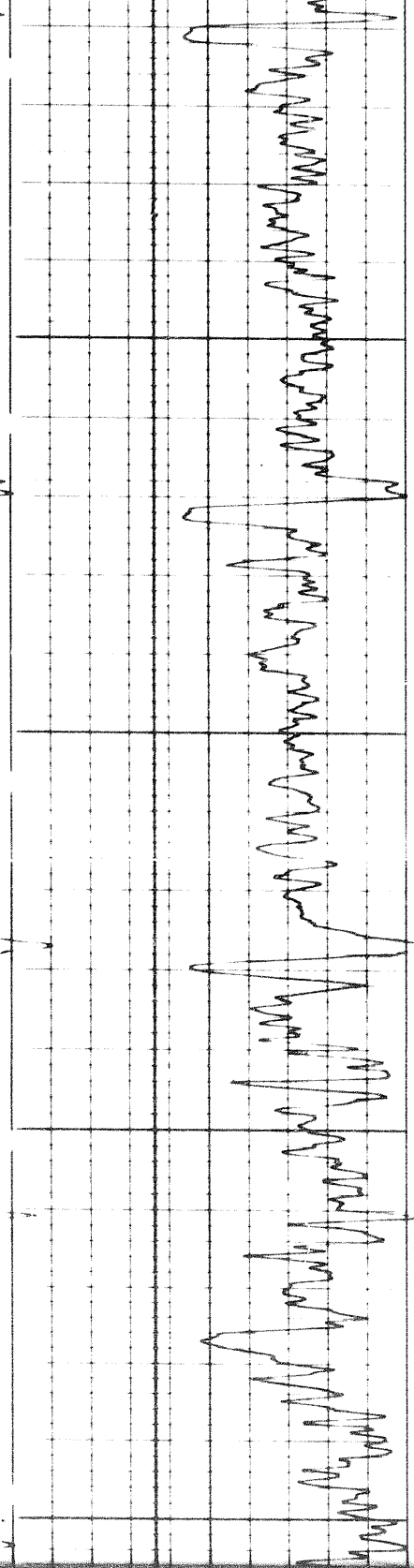
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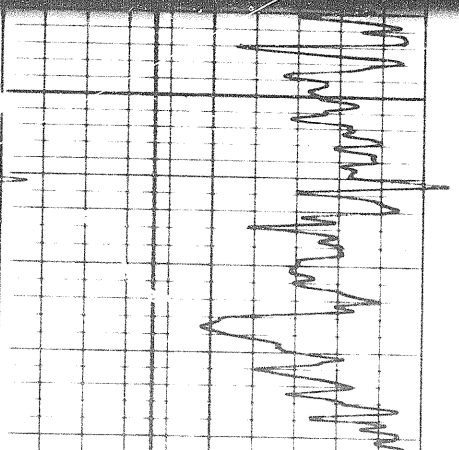


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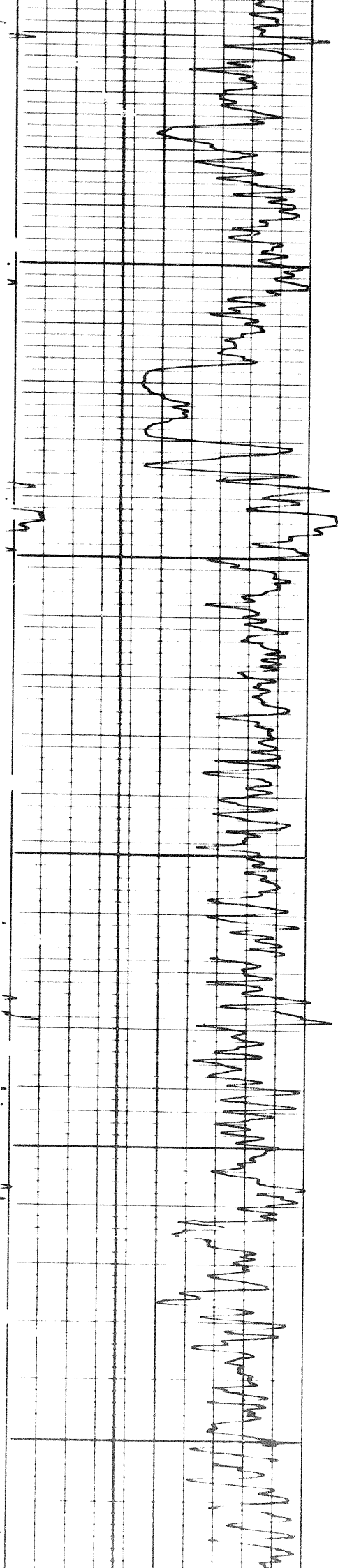


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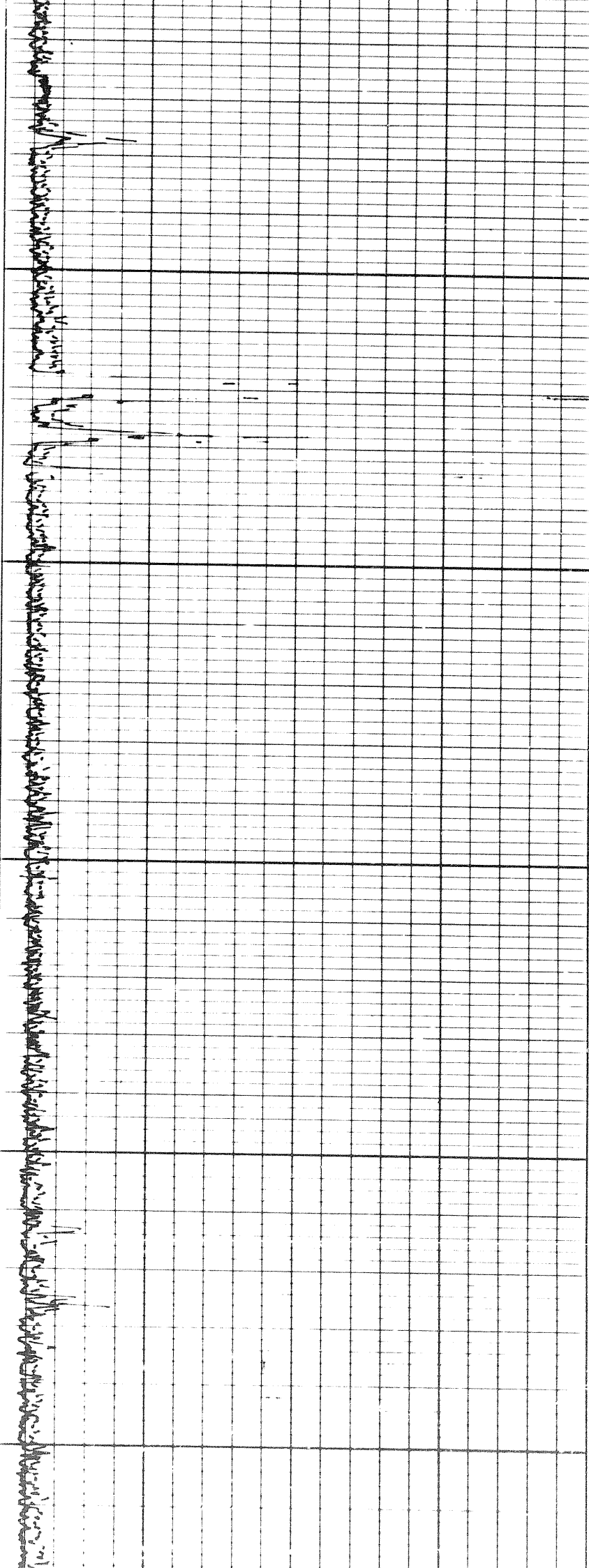


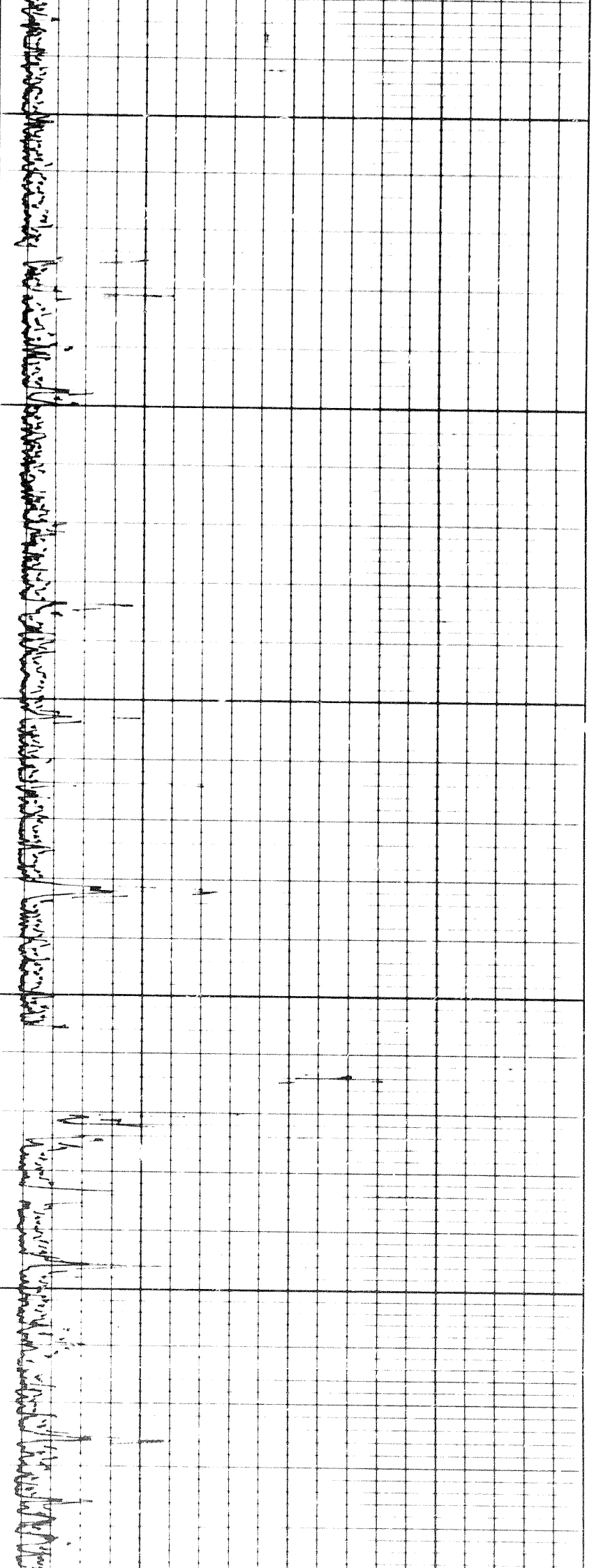
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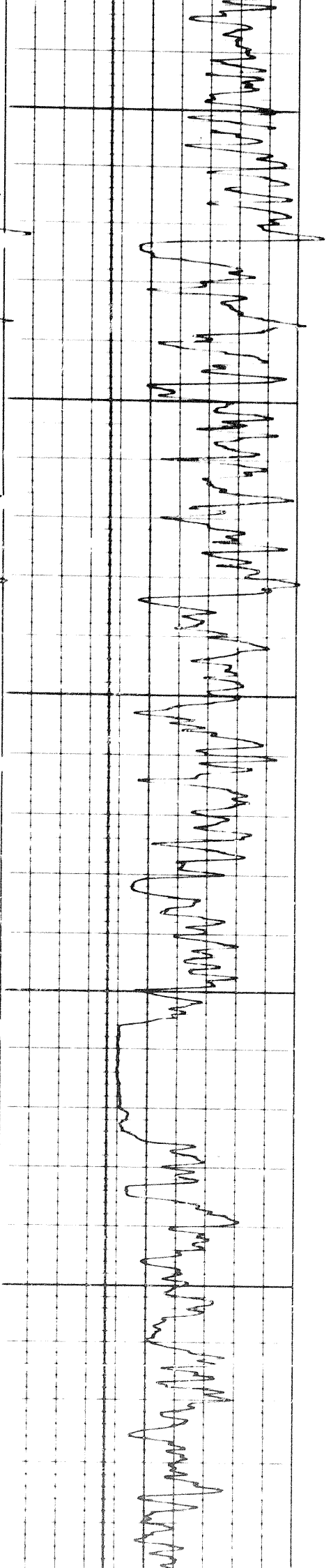
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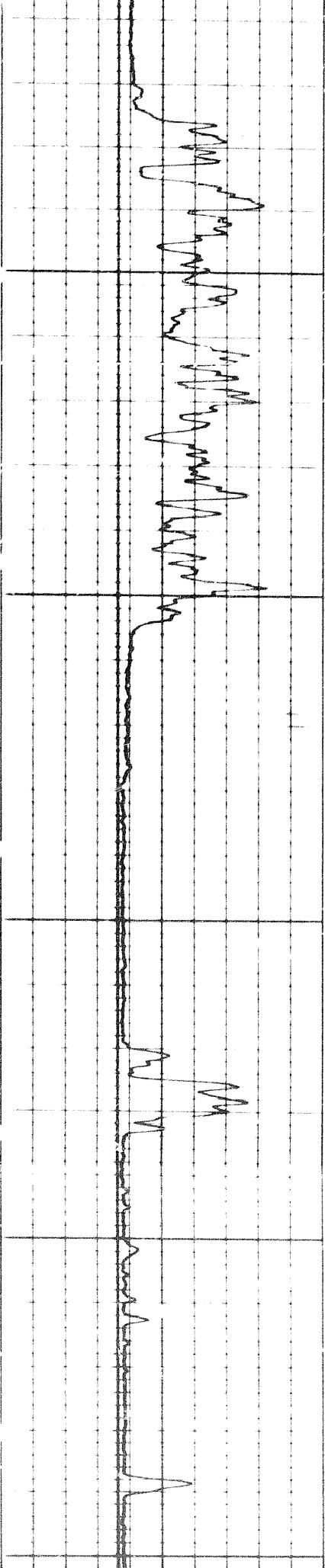




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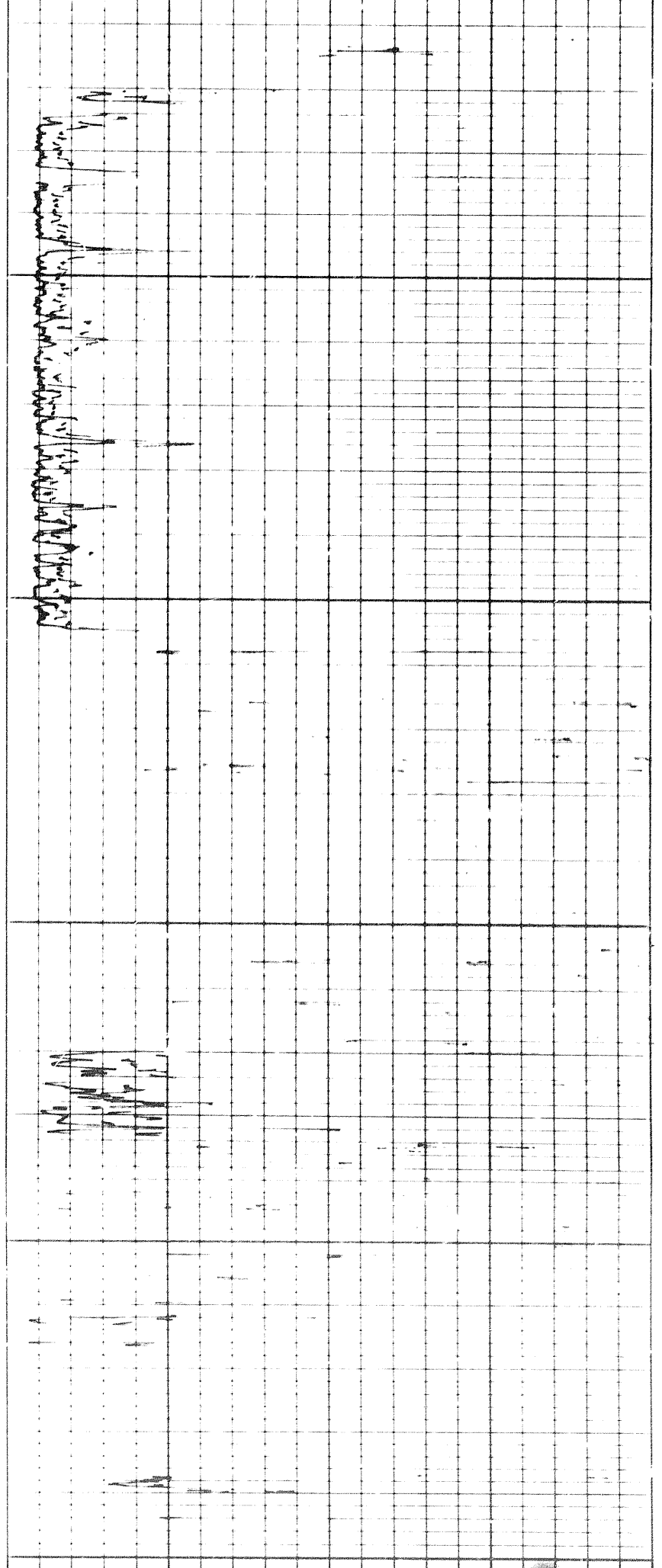
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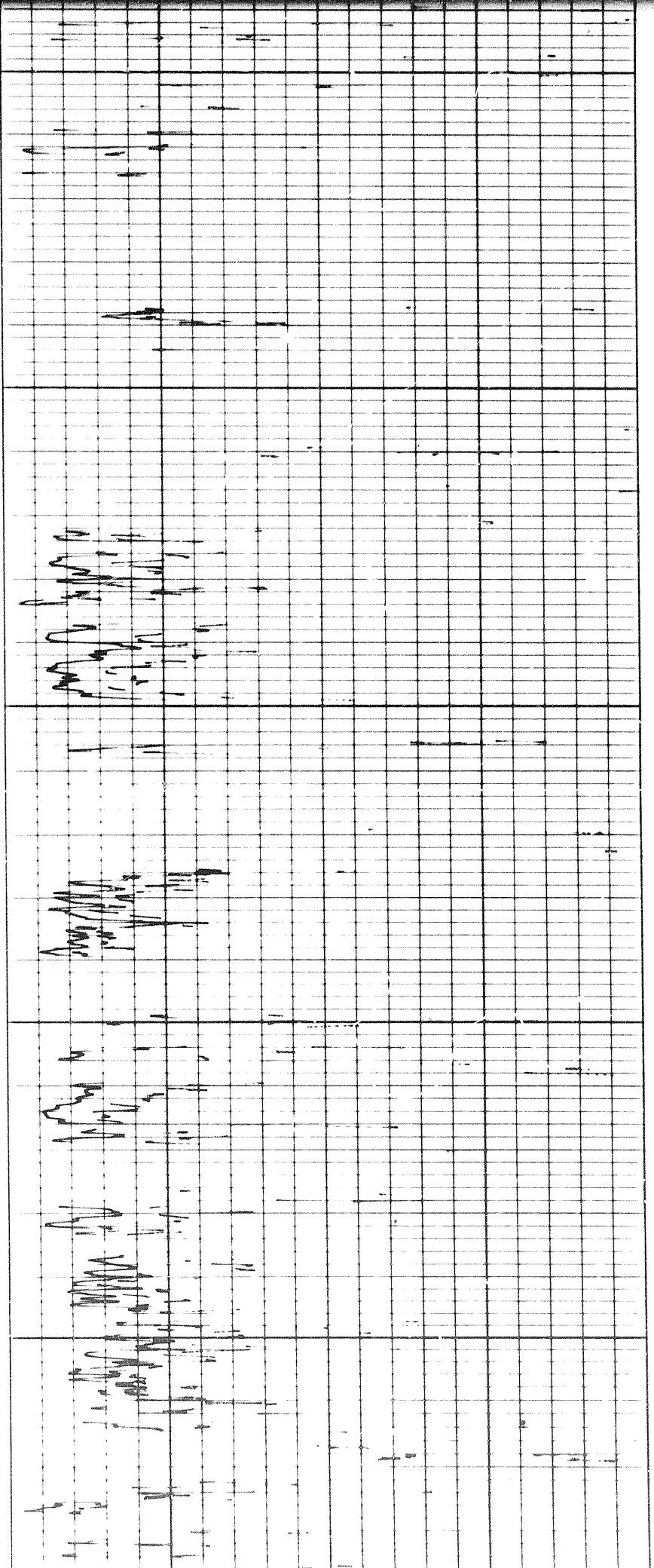




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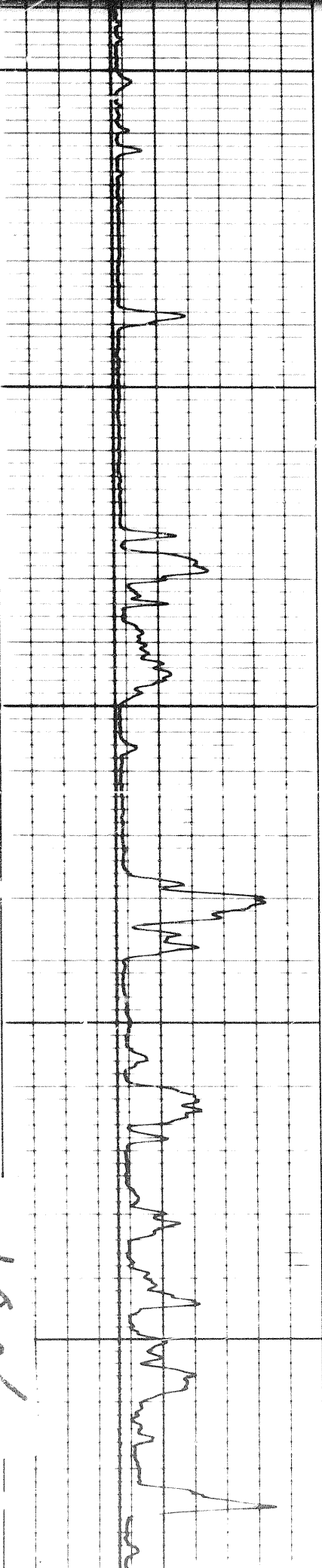


3900

4000

4100

10 of

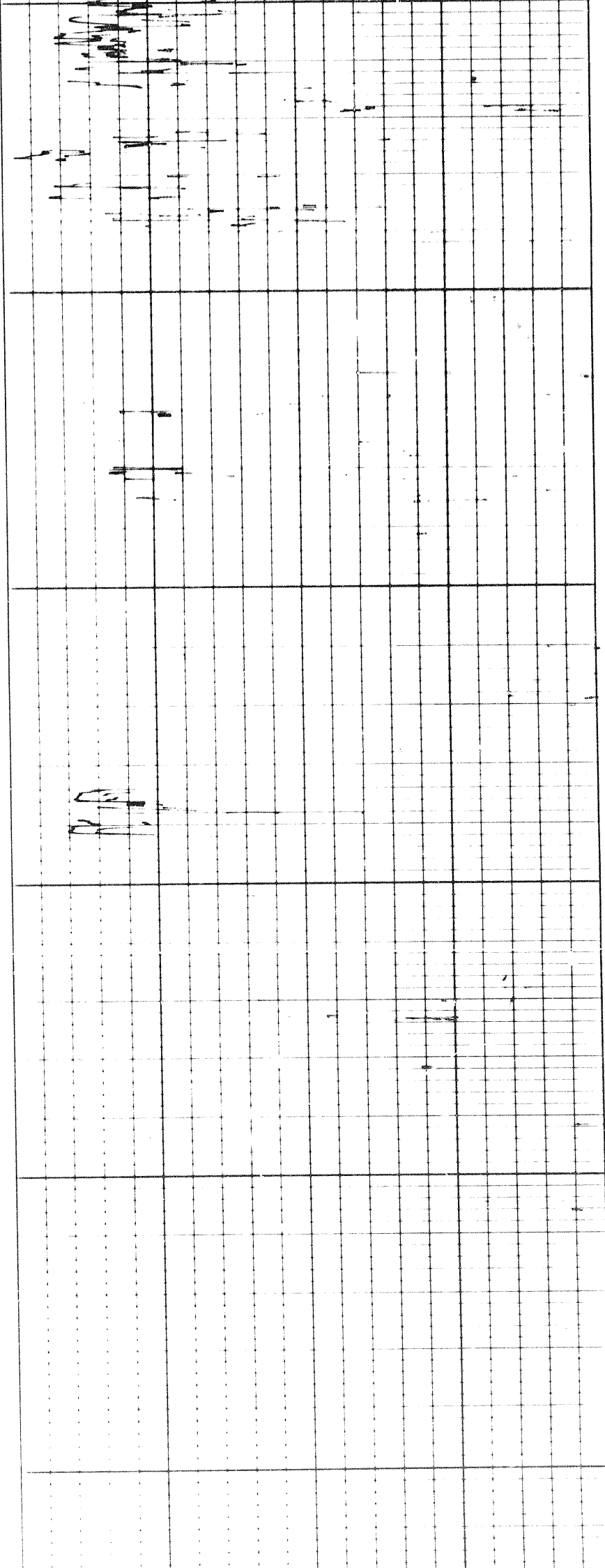
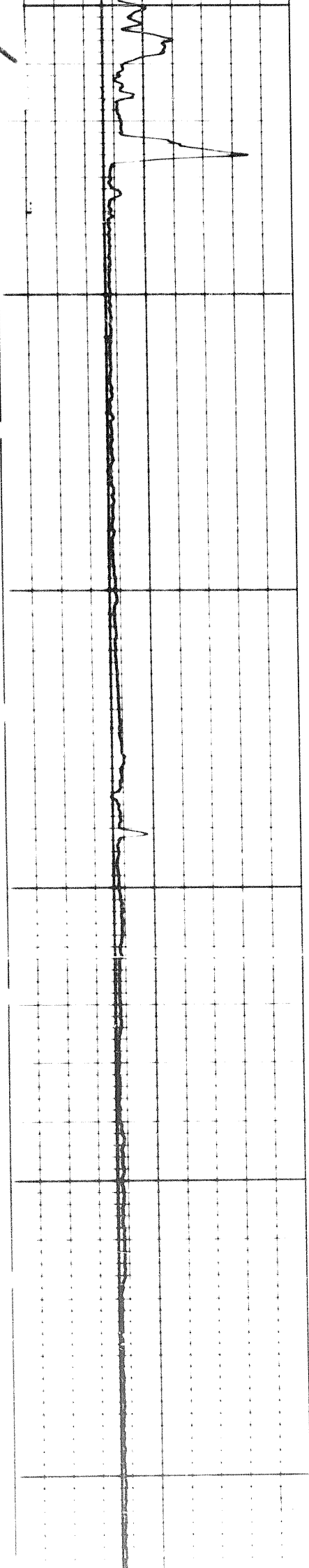


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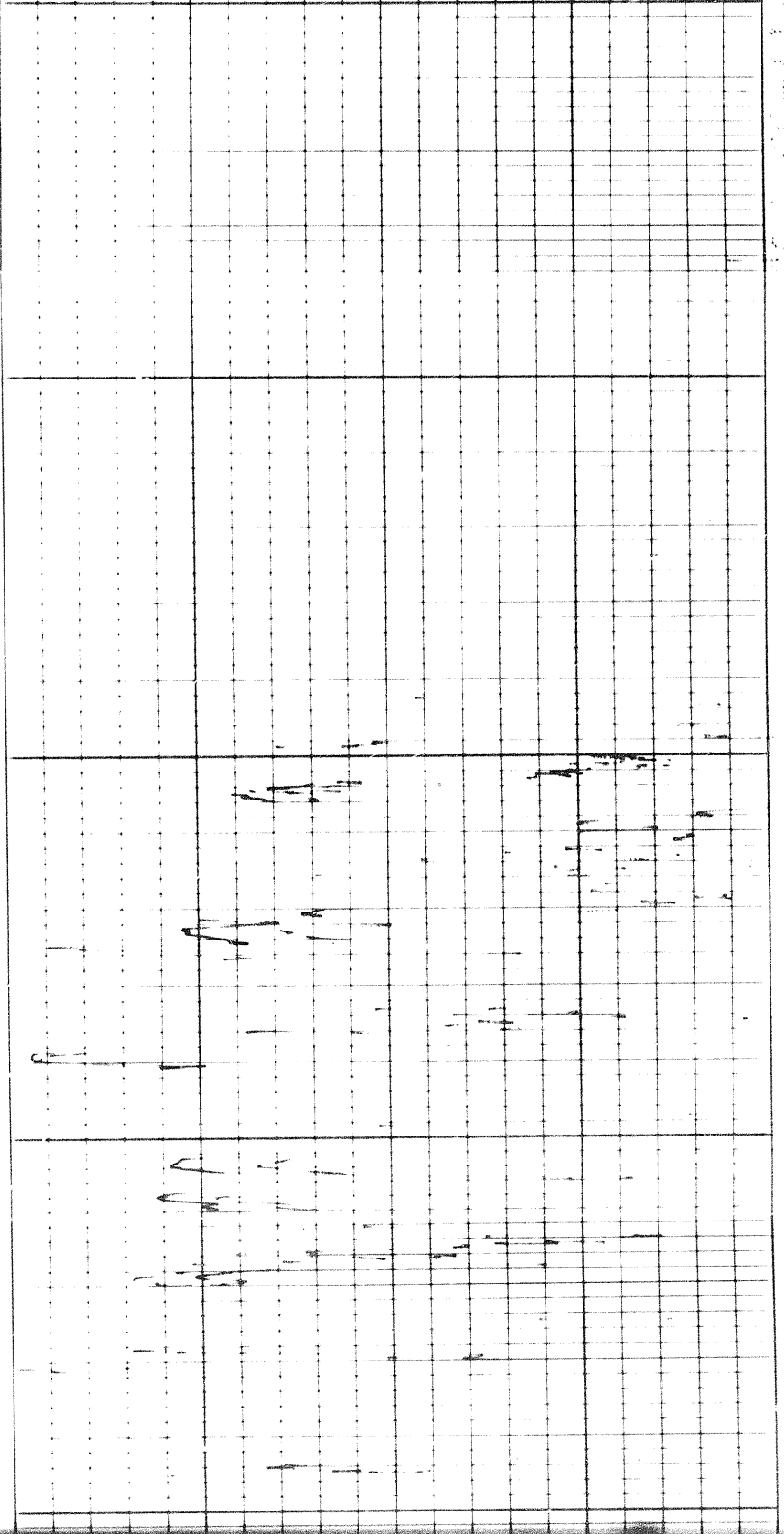
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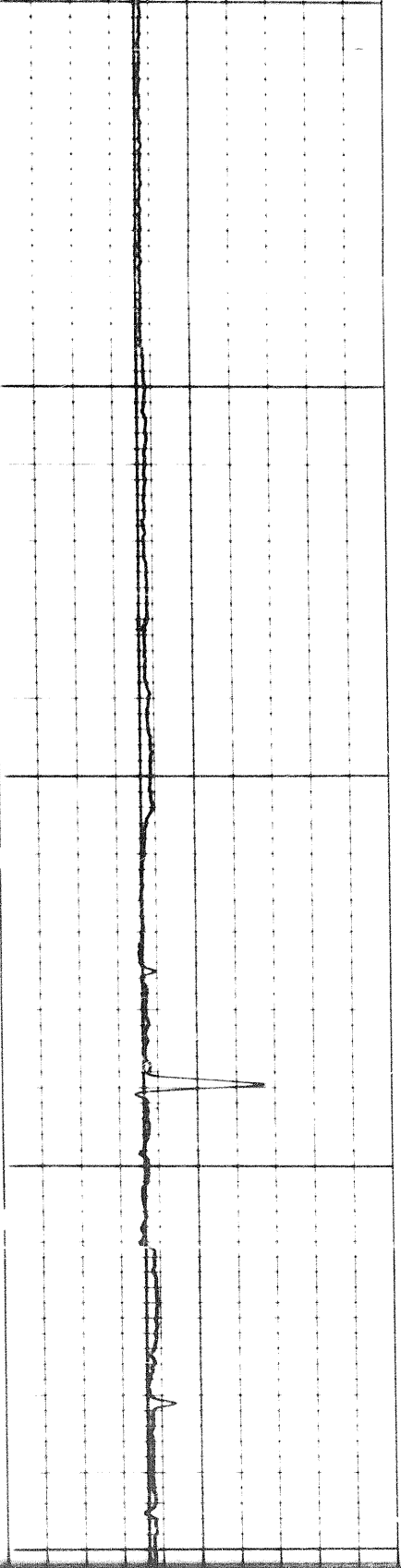


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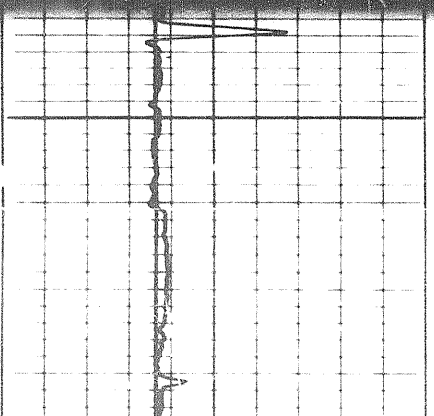
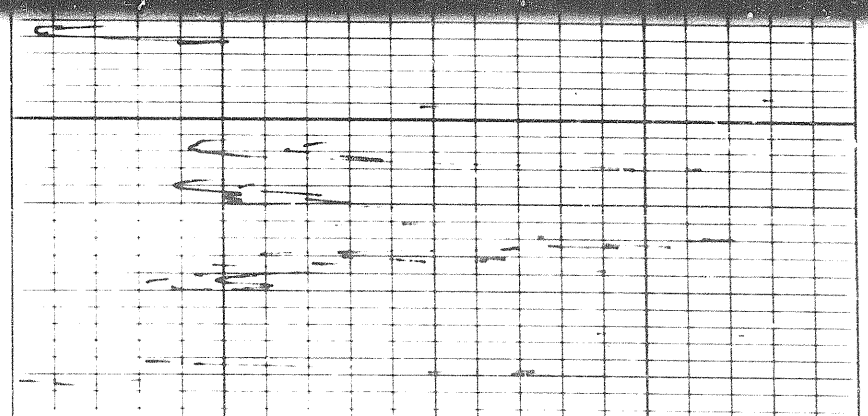


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4500



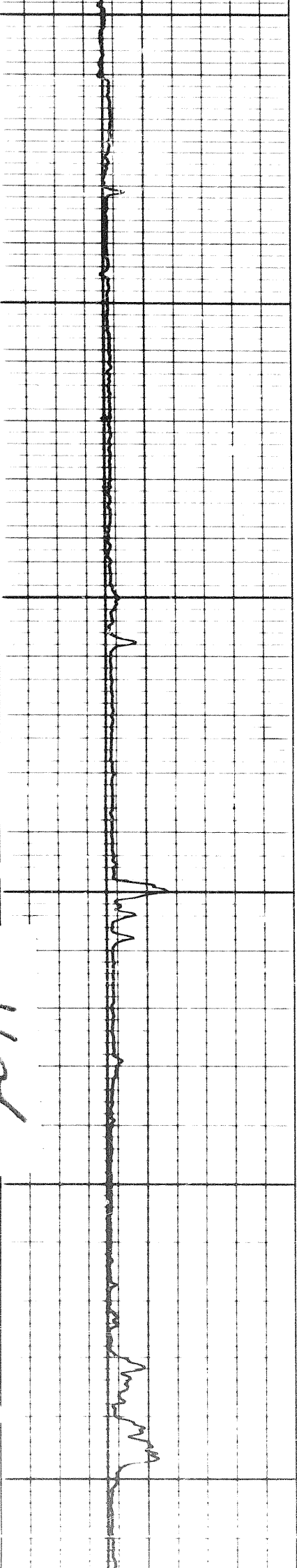
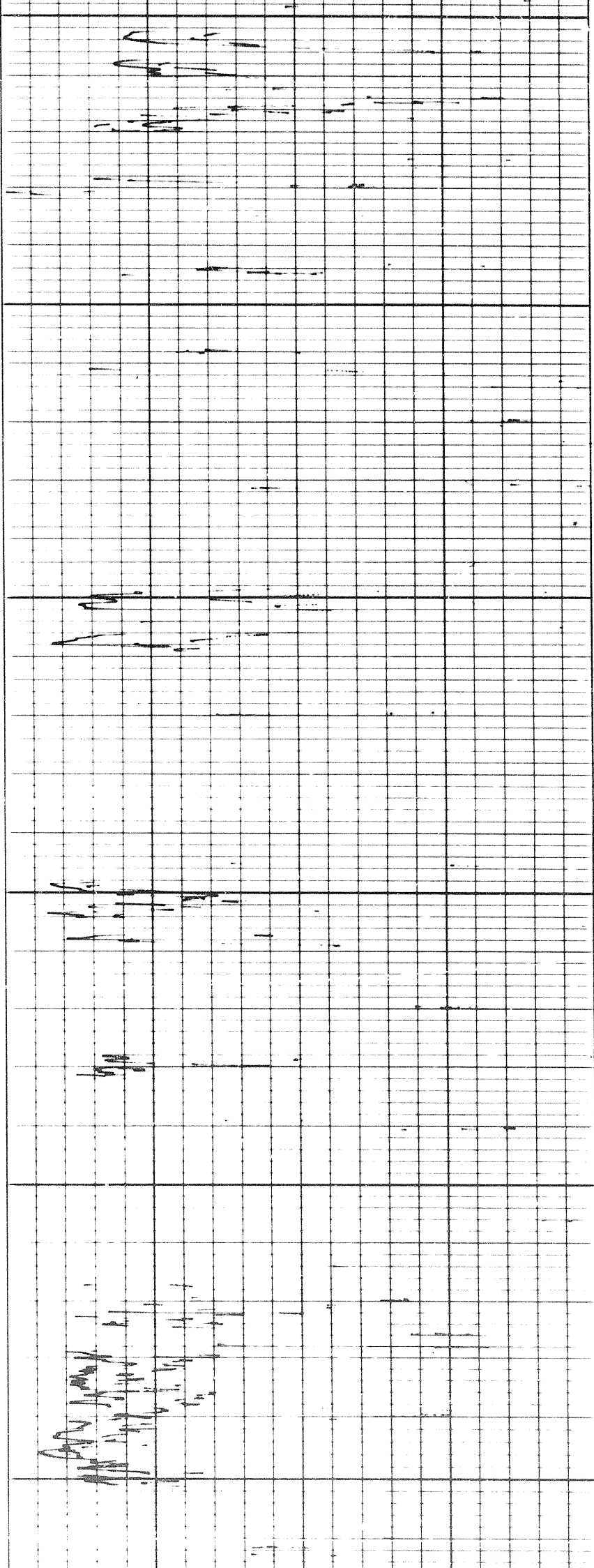
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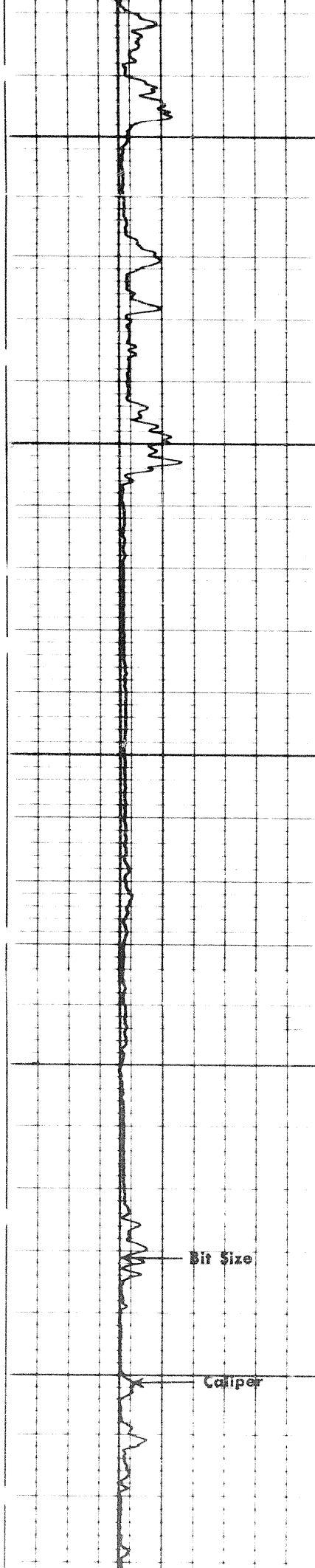
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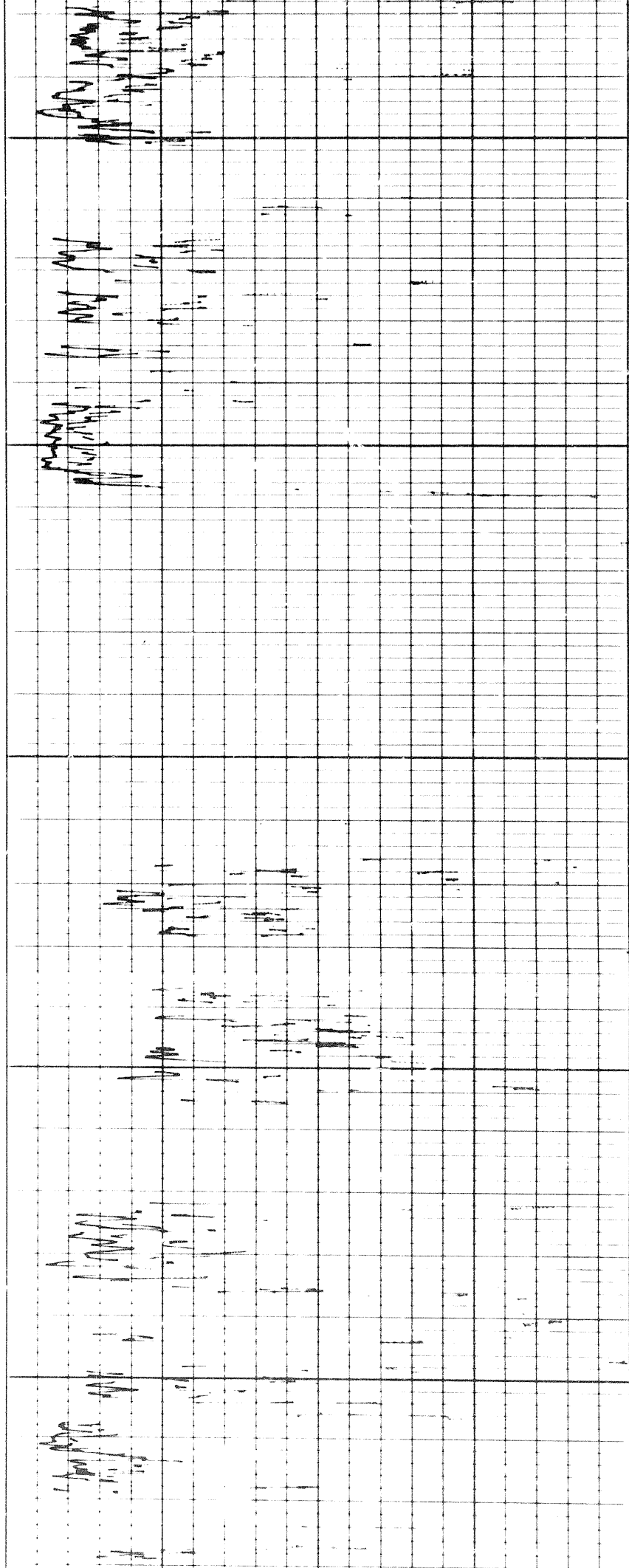


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4800

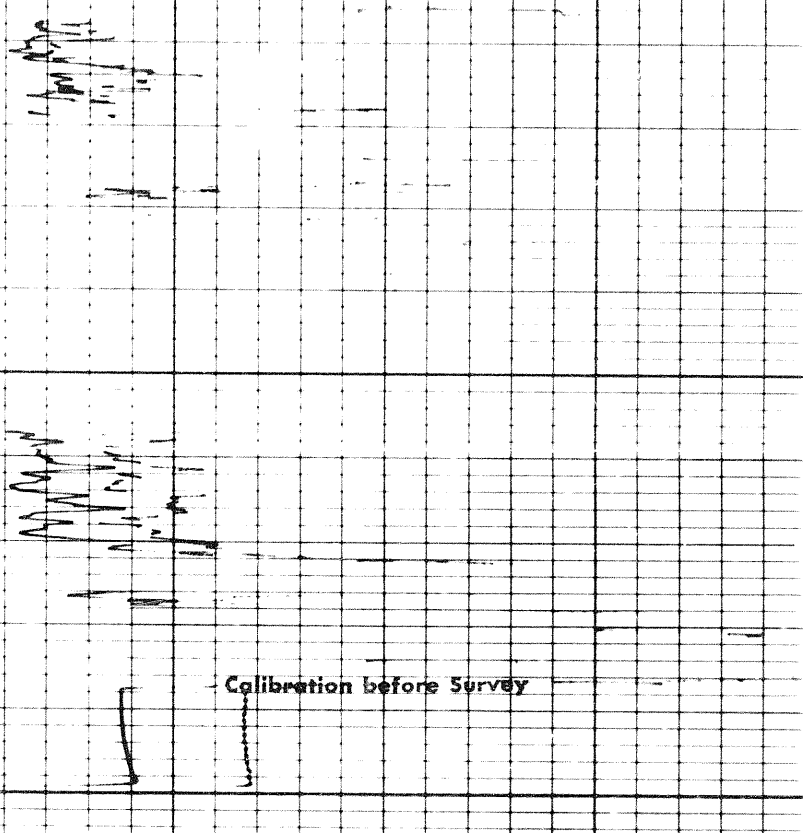
4900



Bit Size

Caliper





5000

FR

Calibration before Survey

CALIPER  
hole diameter in inches

DEPTHS

DETAIL LOG 5"  
RUN #2

MICROLOG  
resistivity in ohms m<sup>2</sup>/m

Speed in FPM

6 7 8 9 10 11 12 13 14

Micro Inverse 1' x 1'  
20 40

Micro Normal 2'  
20 40

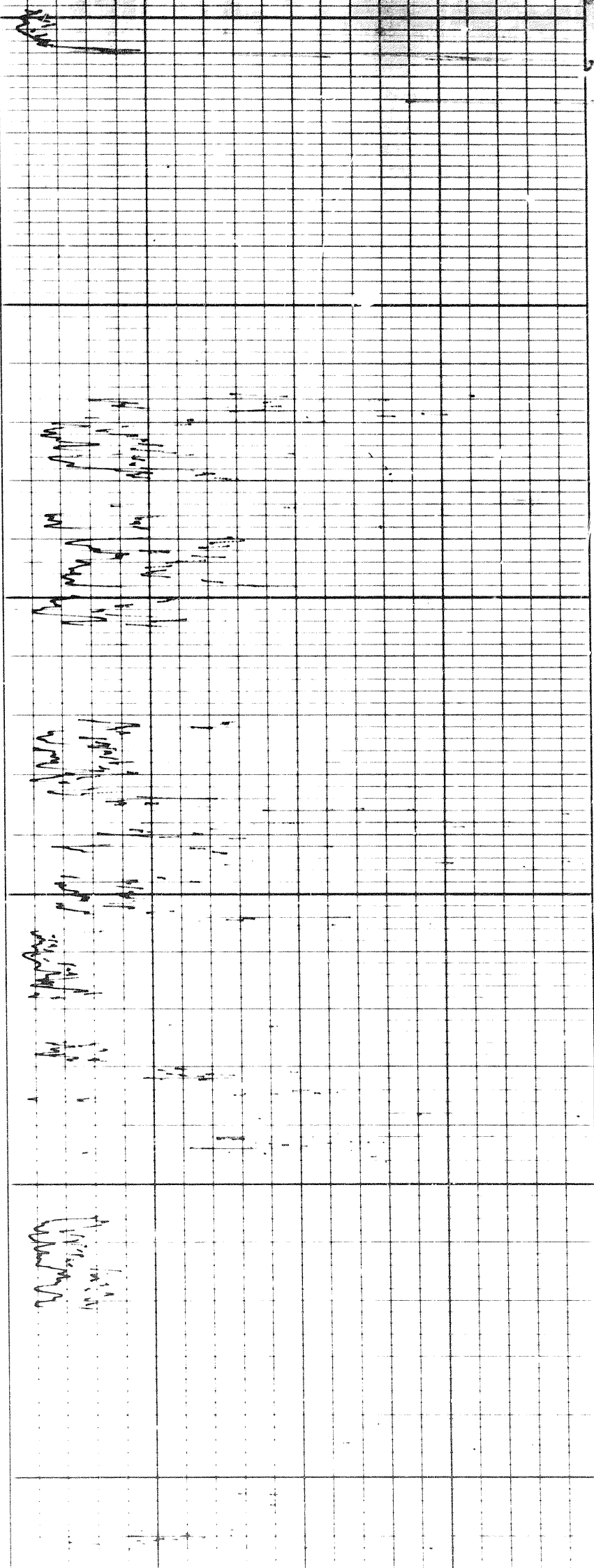
4800

4800

0 20 40

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 8888888888  
 9999999999  
 0000000000

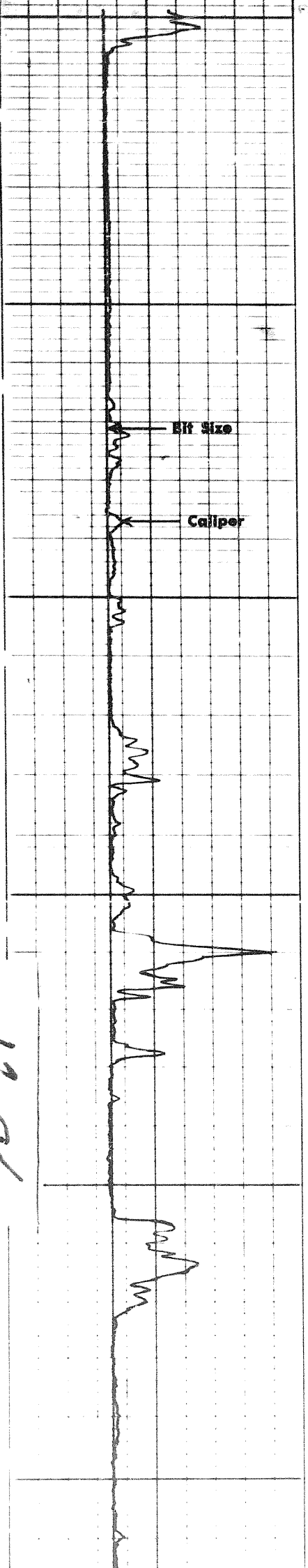
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800

4900

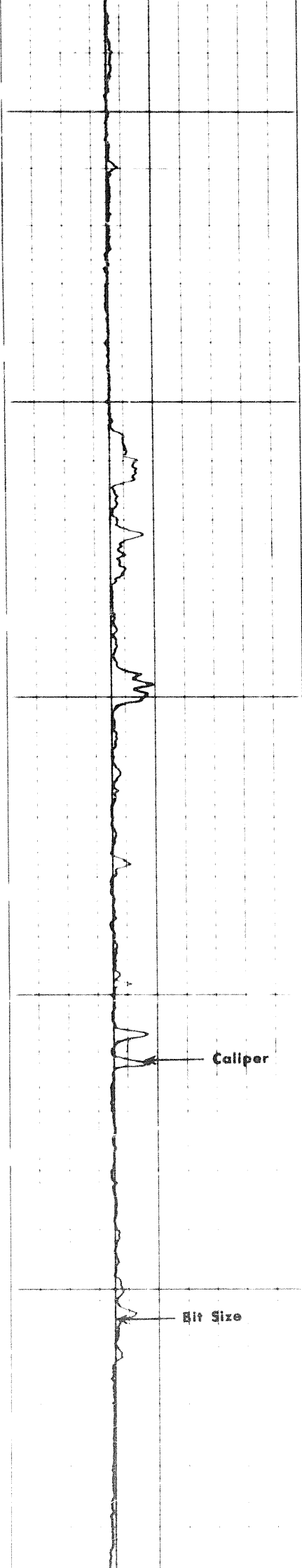
5000



Bit Size

Caliper

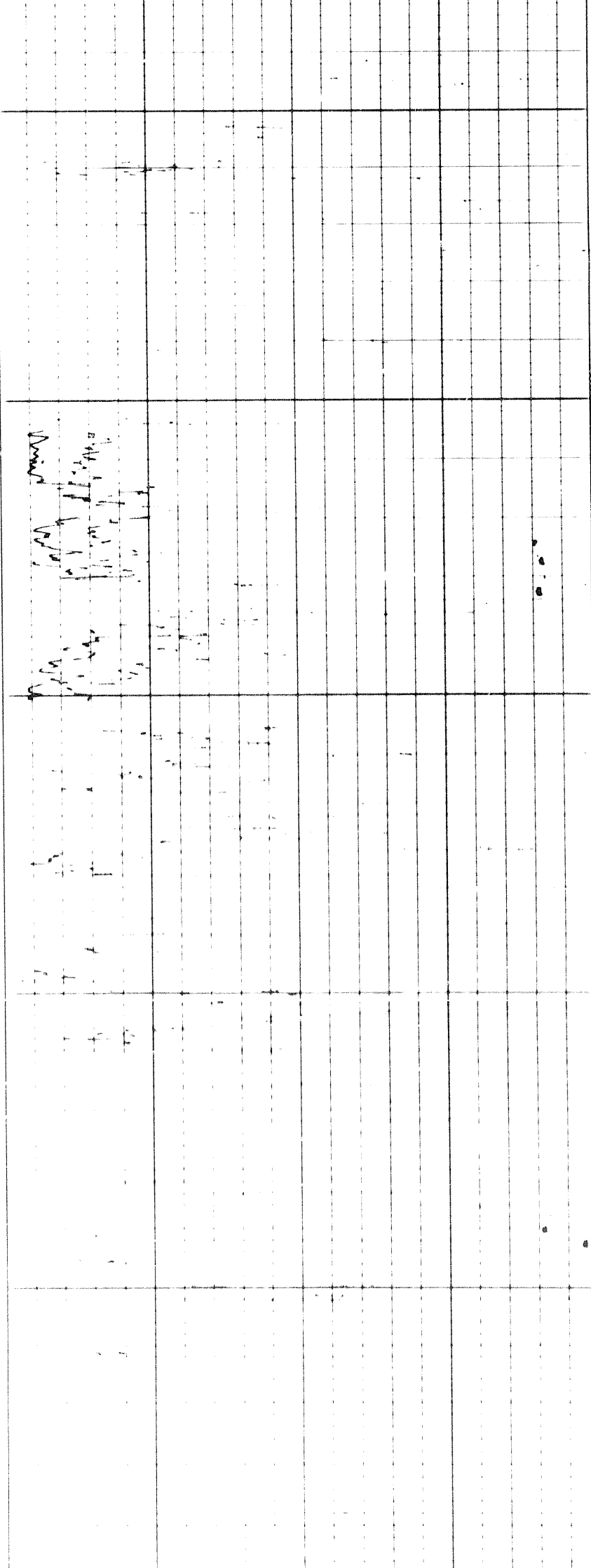
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5100

5200

5300

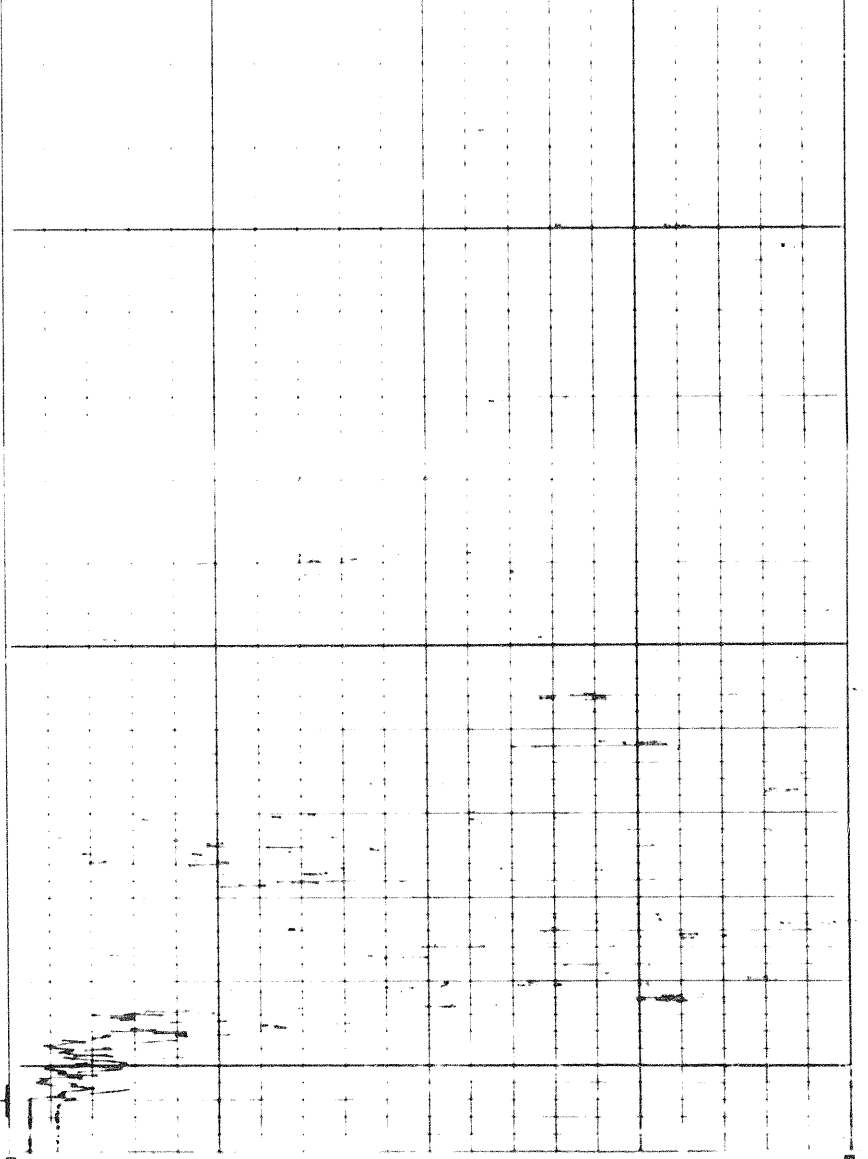
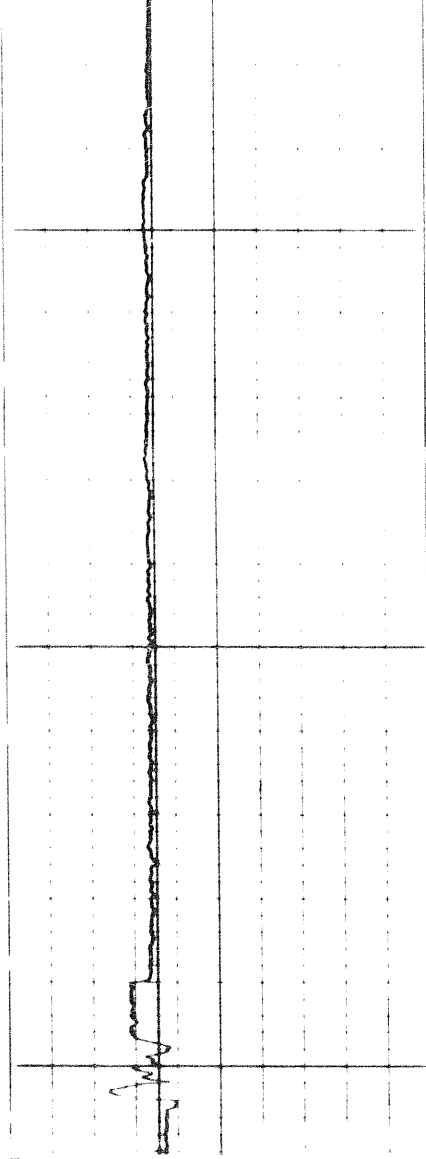


Speed in FPM

6 7 8 9 10 11 12 13 14

5300

5400



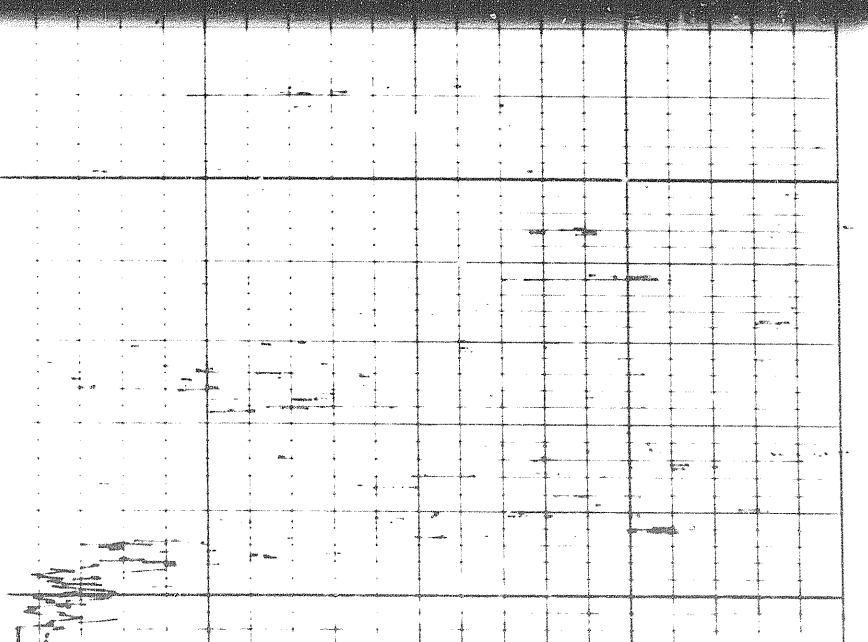
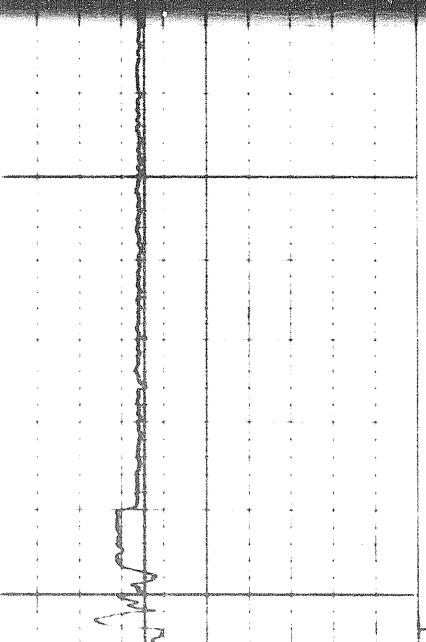
20 40  
Micro Normal 2'

20 40  
Micro Inverse 1' x 1'

5400

Speed in FPM

6 7 8 9 10 11 12 13 14



20 40  
Micro Normal 2'

20 40  
Micro Inverse 1' x 1'

5400R

Speed in FPM

6 7 8 9 10 11 12 13 14

0 20 40  
Micro Normal 2"  
0 20 40  
Micro Inverse 1"x 1"

CALIPER  
hole diameter in inches

DEPTHS

MICROLOG  
resistivity in ohms m<sup>2</sup>/m

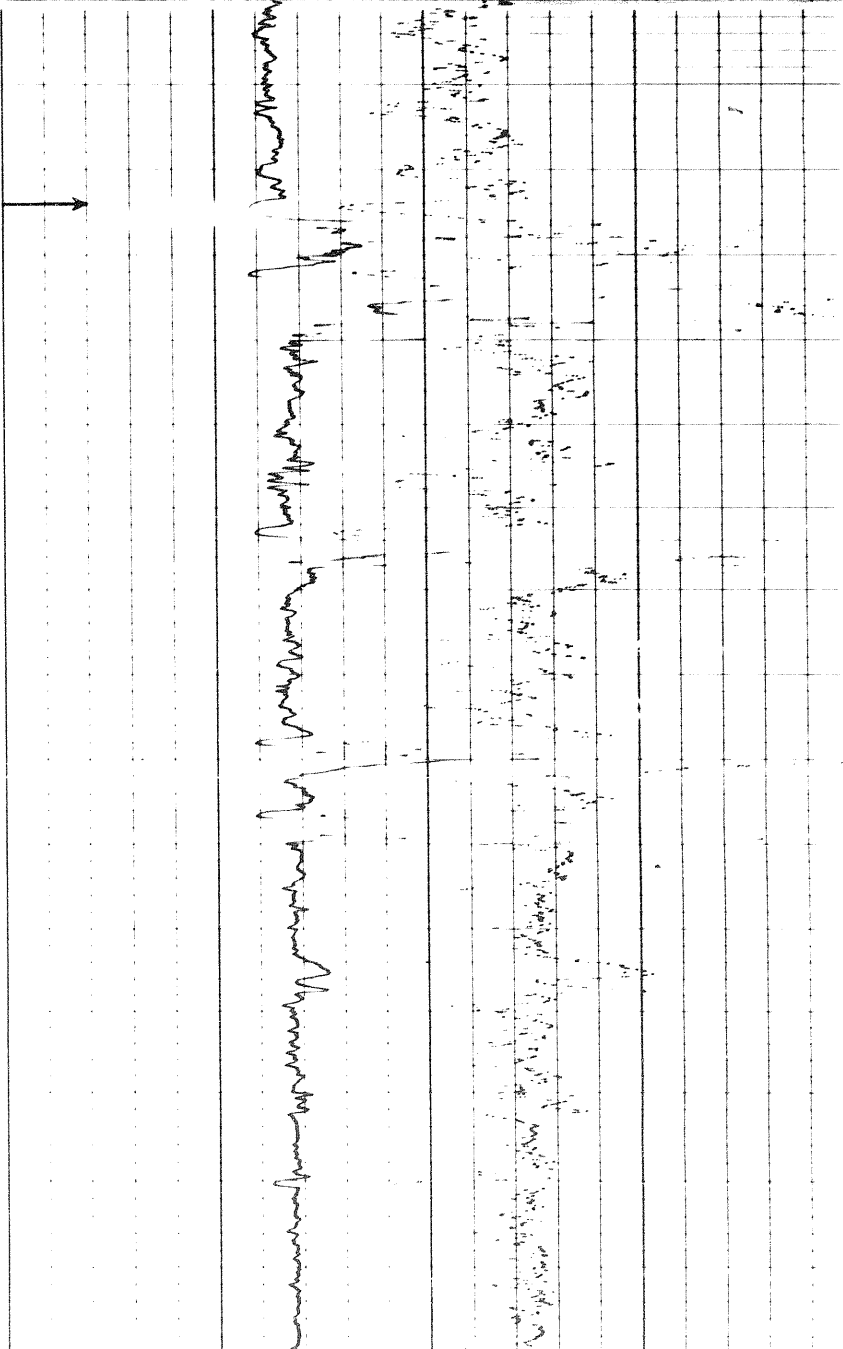
RUN #1

MUD LOG WITH SONDE COLLAPSED

Apparent Rm 1.18 Ωm<sup>2</sup>/m  
Depth 4830 ft.

RESISTIVITY  
ohms m<sup>2</sup>/m  
0 2 4

4900  
4800  
4700  
4600  
4500  
4400  
4300  
4200



130213

4300

4200

*Handwritten notes and curves at the top of the page, including a large 'M' and some illegible text.*

RUN #2

MUD LOG WITH SONDE COLLAPSED

Apparent Rm 0.82  $\Omega$ m/m  
Depth 5300 ft.

RESISTIVITY  
ohms m<sup>2</sup>/m

0

2

4

300

5200

5100

5000

4900

4800

4700

4600

4500

4400

*Main body of handwritten notes and curves, including a large 'M' and various illegible text.*

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