

SCHLUMBERGER

**BOREHOLE COMPENSATED
SONIC LOG**

SCHLUMBERGER OF CANADA Calgary Alberta

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

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 WELL SMWM BIRCH Y.T. B-34
 FIELD WILDCAT
 PROVINCE YUKON TERRITORY
 LOCATION 66° 03' 03" N 136° 51' 17.51" W
 Permanent Datum G.L. Elev. 2177
 Log Measured From K.B. 13 ft. Above Perm. Datum
 Other Services: IES, SRS, ML, CST, CDM
 ELEV: KB 2190
 GI 2177

Date	Run No.	First Reading	Last Reading	Feet Measured	Depth Reached	Bottom Driller	Csg SOC	Csg Driller	Mud Nature	Dens. Visc.	Mud pH	Water Loss	Res. @ BHT	Ref. Rmc	Bit Size	Span	Op. Rig Time	Truck No.	Recorded By	Witness
24 MAY 65	ONE	5033	5403	600	4800				GEL - CHEM	9.2	103	5.0	1.64 @ 55 %	0.98 @ 91 %	1.48 @ 66 %	2'	5 HRS.	DSU-B-3 DC	THIESSEN	CLARE
3 JUNE 65	TWO	5403	5406	603	603	5052	600	600	GEL	9.2	120	6.2	1.34 @ 50 %	0.77 @ 96 %	2.53 @ 48 %	2'	2 HRS.	DSU-B-3	CRAIN	CLARE

16 JUNE 65 CAL MB

REMARKS
 Drilling Stopped 0400 / 24th / 3rd : Circulation Stopped 0600 / 24th / 3rd : Tool on Bottom 1700 / 24th / 3rd : 1st Run Service Order # 26965
 RUN #2 1200 / 3rd : B.H.T. 94 %
 RUN#2 96
 Caliper No. -
 Cartridge No. A-51
 Panel No. A-88
 Sonde No. A-46
 Centralizer Type SPRING GUIDE
 RUN #1 NOTE: SCALE CHANGE @ 2400'

GAMMA RAY CALIBRATION:

Background CPS	Test Source CPS	Galv. Increase Divisions	Panel Sens. Tap for Cal.
RUN #1 40	420	8.25	500
RUN #2 40	450	8.25	500

GAMMA RAY API UNITS		DEPTHS	SONIC INTERVAL TRANSIT TIME microseconds per foot	
Sens. 300 T.C. 2	Zero 0 div. to left		140	90
120	240	240	190	140

CALIPER hole diameter in inches
 6 7 8 9 10 11 12 13 14

Speed in FPM

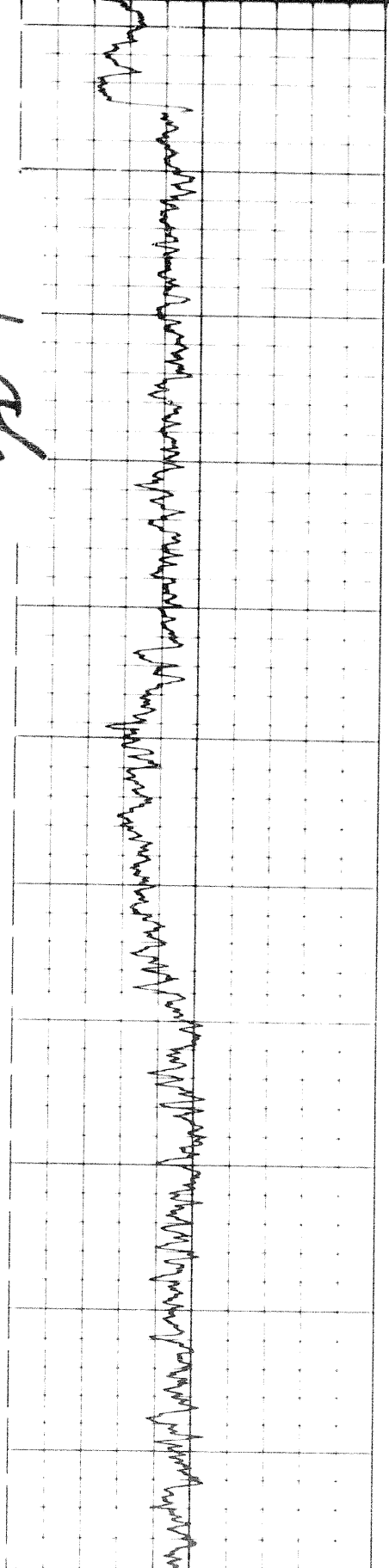
120 240

FPM →

CALIPER
hole diameter in inches

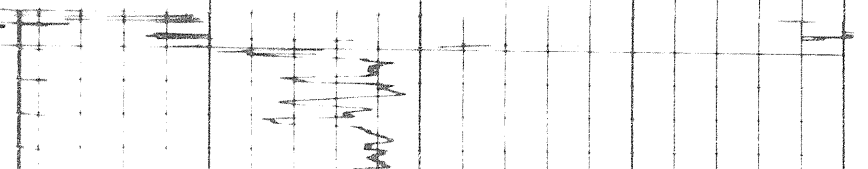
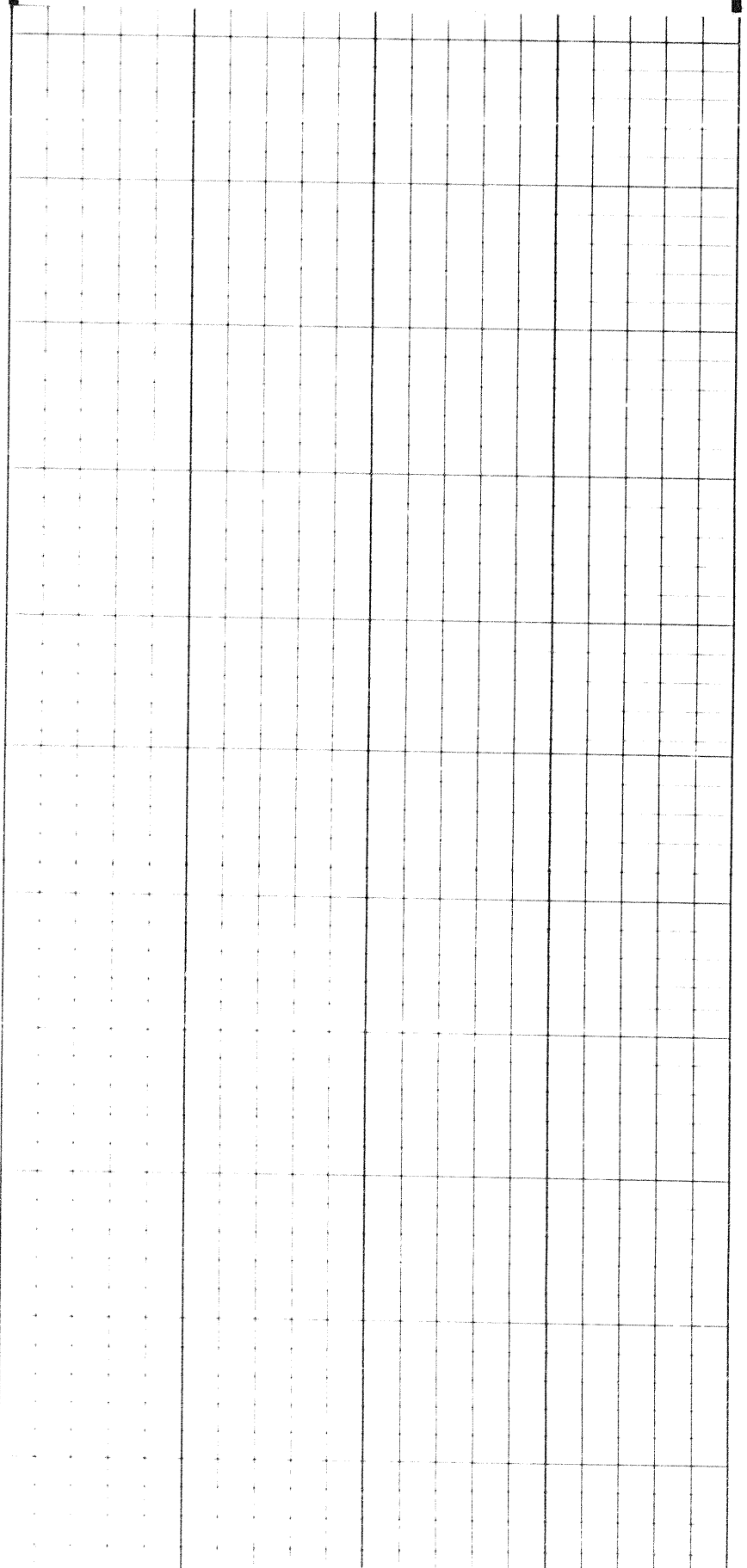
6	7	8	9	10	11	12	13	14
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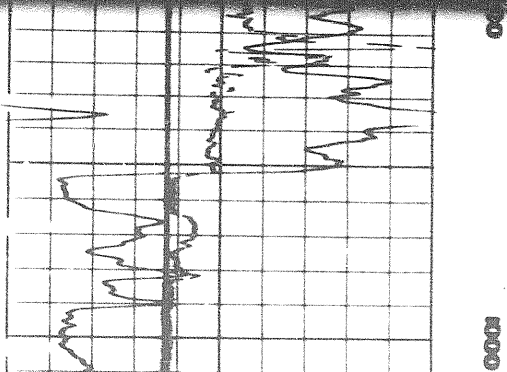
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0100 0200 0300 0400 0500 0.500

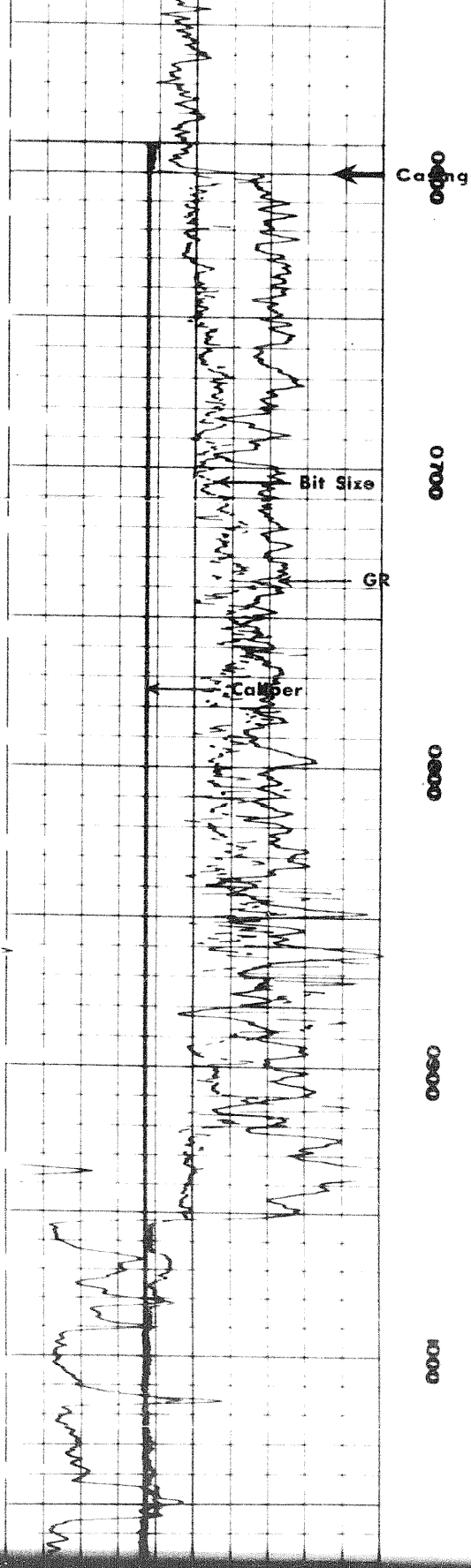
240 190 140





0000

0000



0000

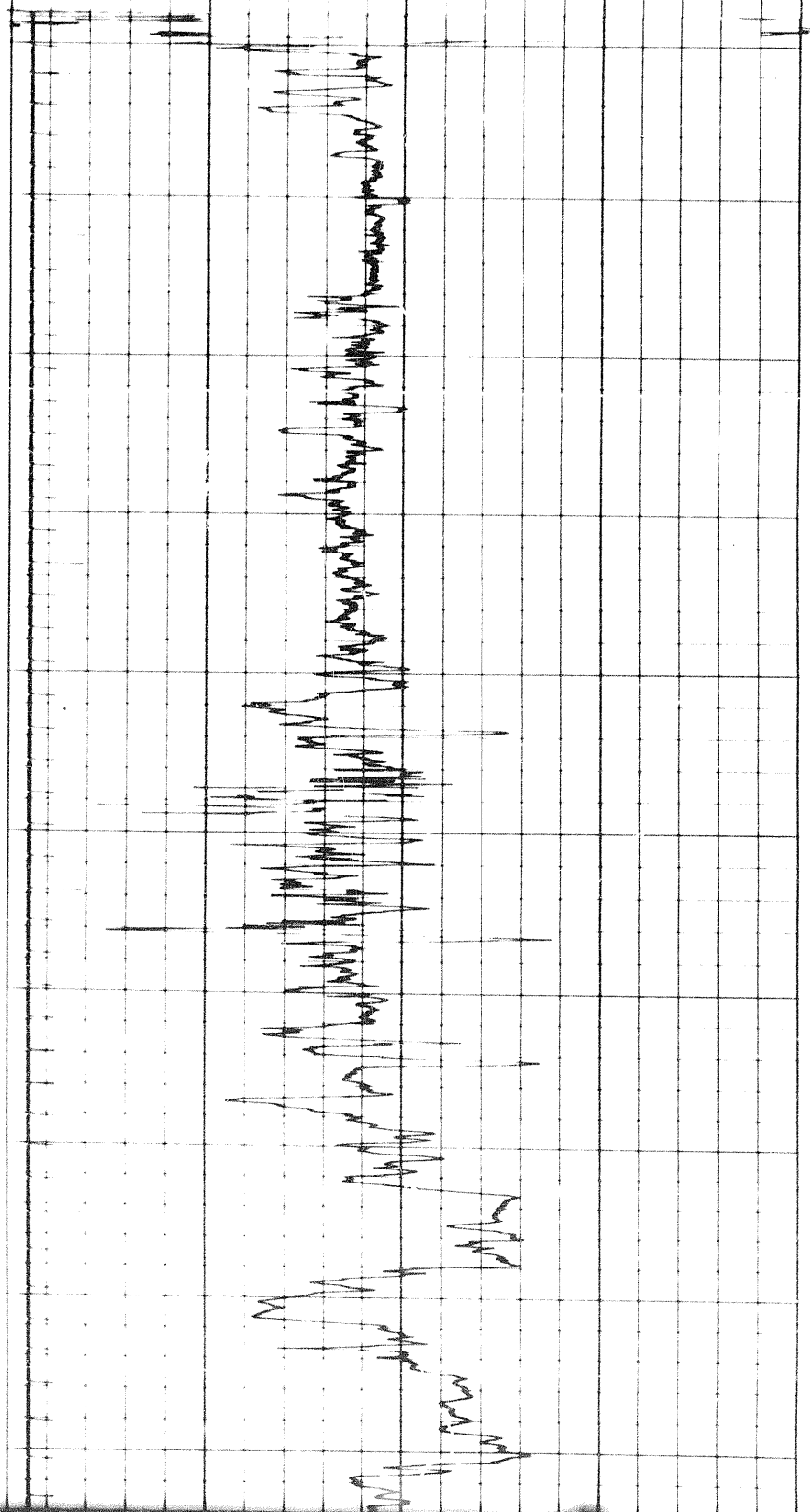
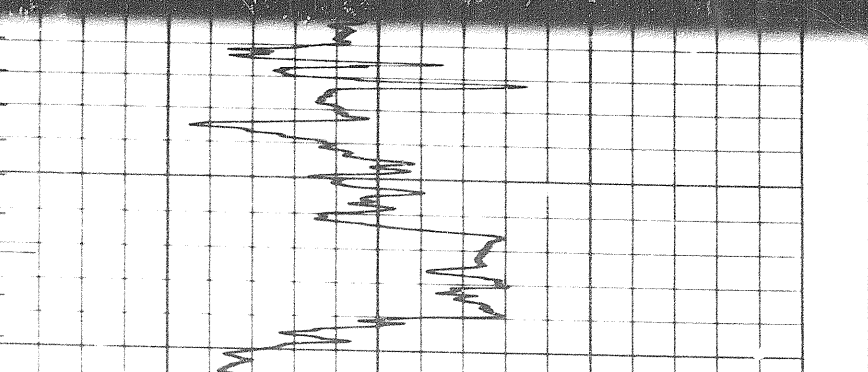
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0080

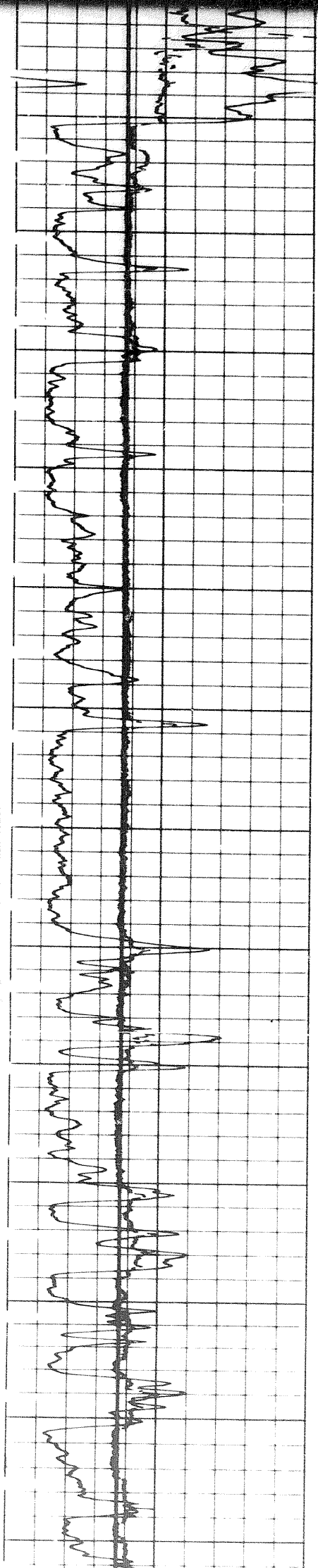
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0060

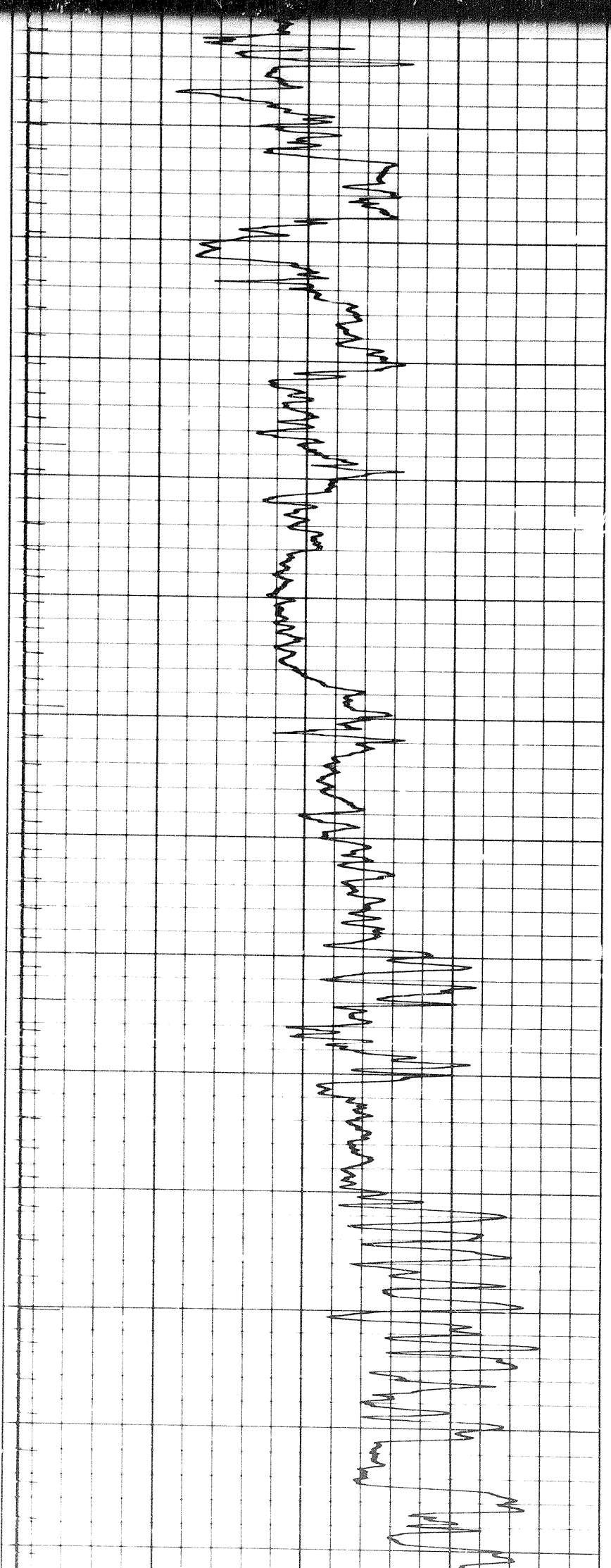
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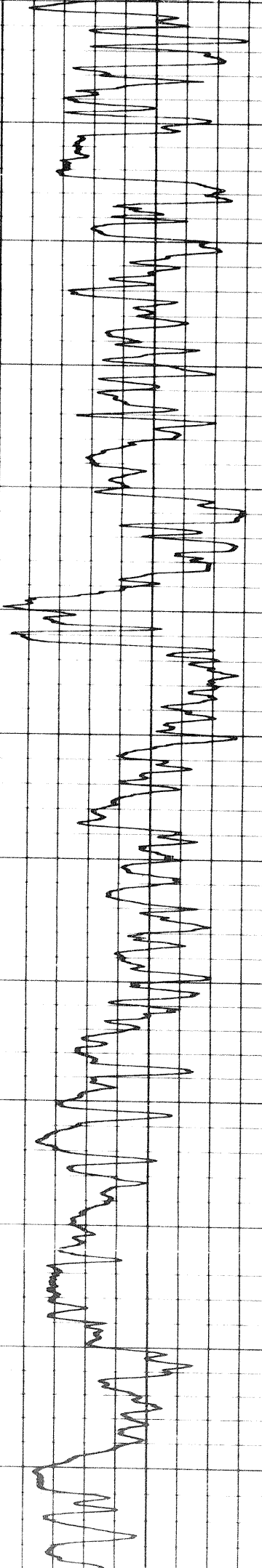
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1000 1200 1400 1600



10



Normal

1500

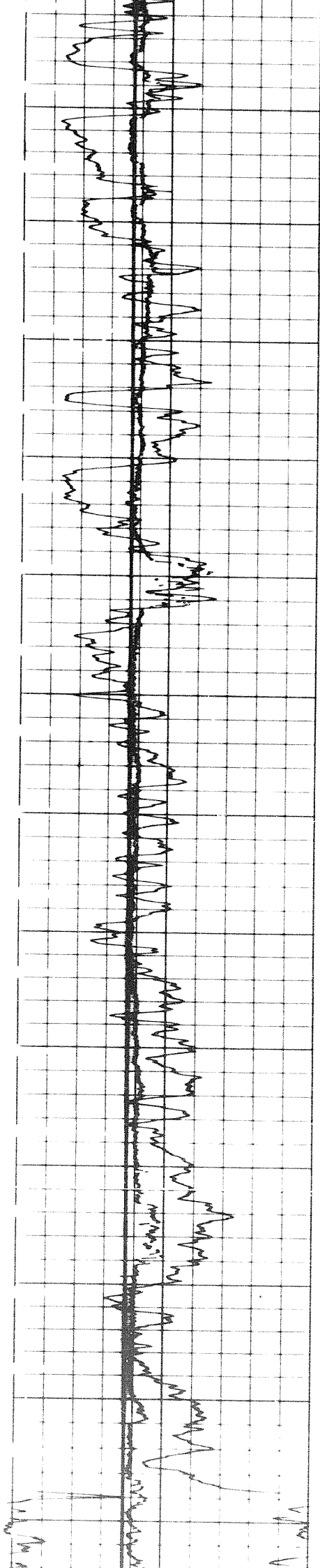
1600

1700

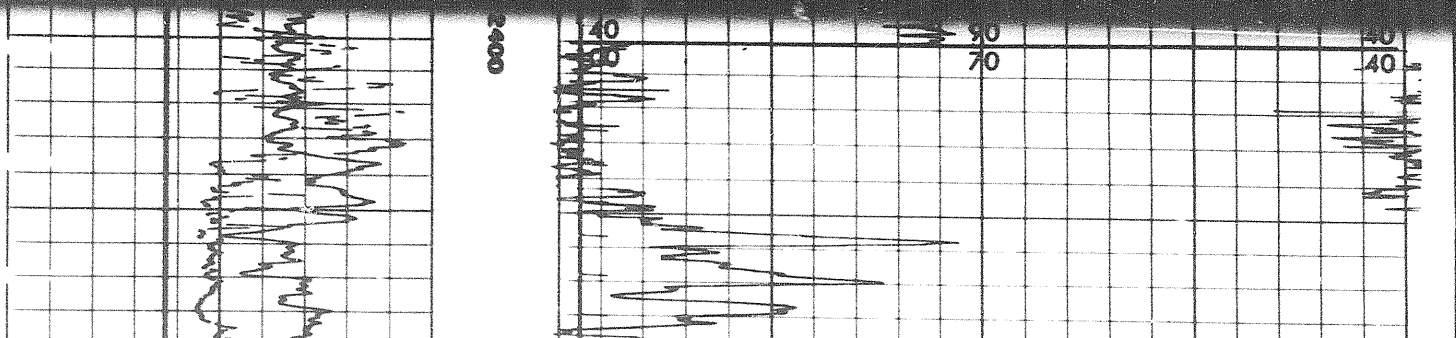
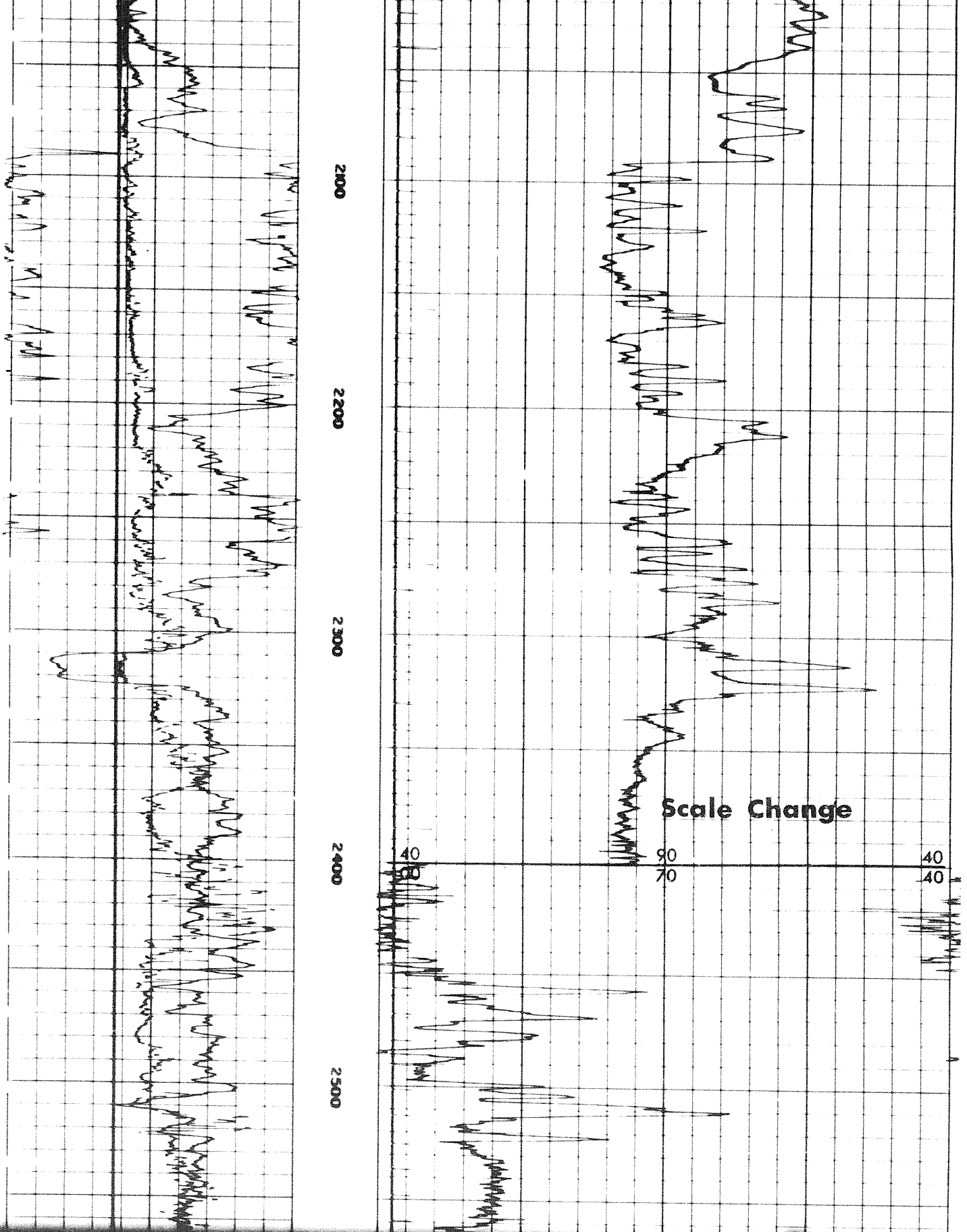
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200

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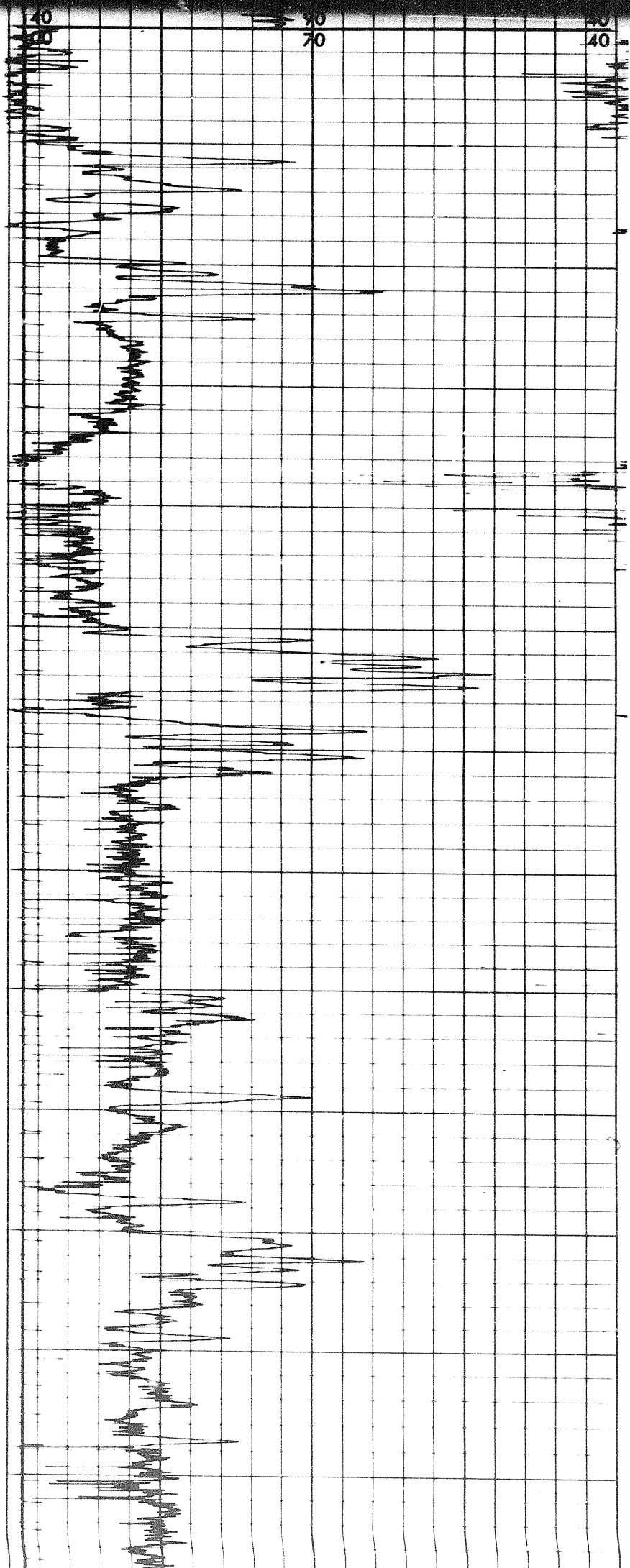


Normal



40
40

90
70



2400

2500

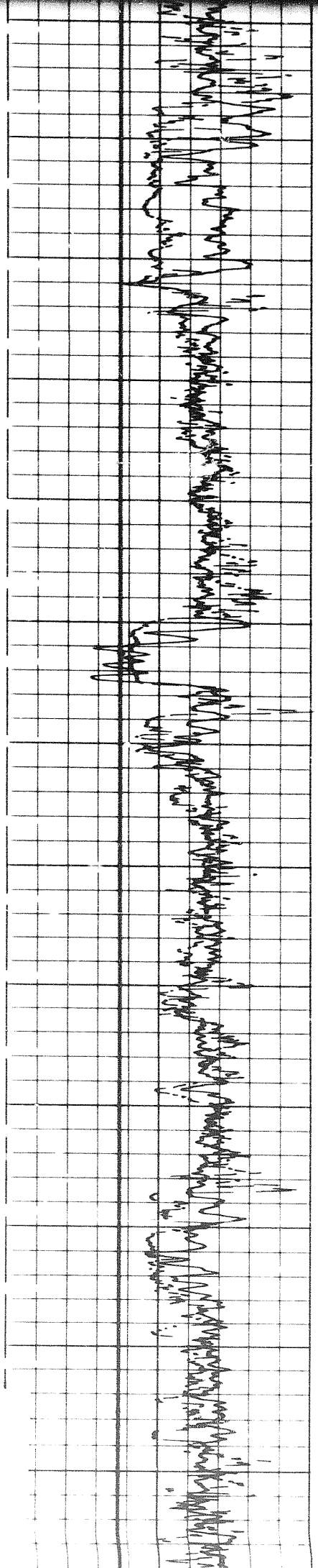
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2700

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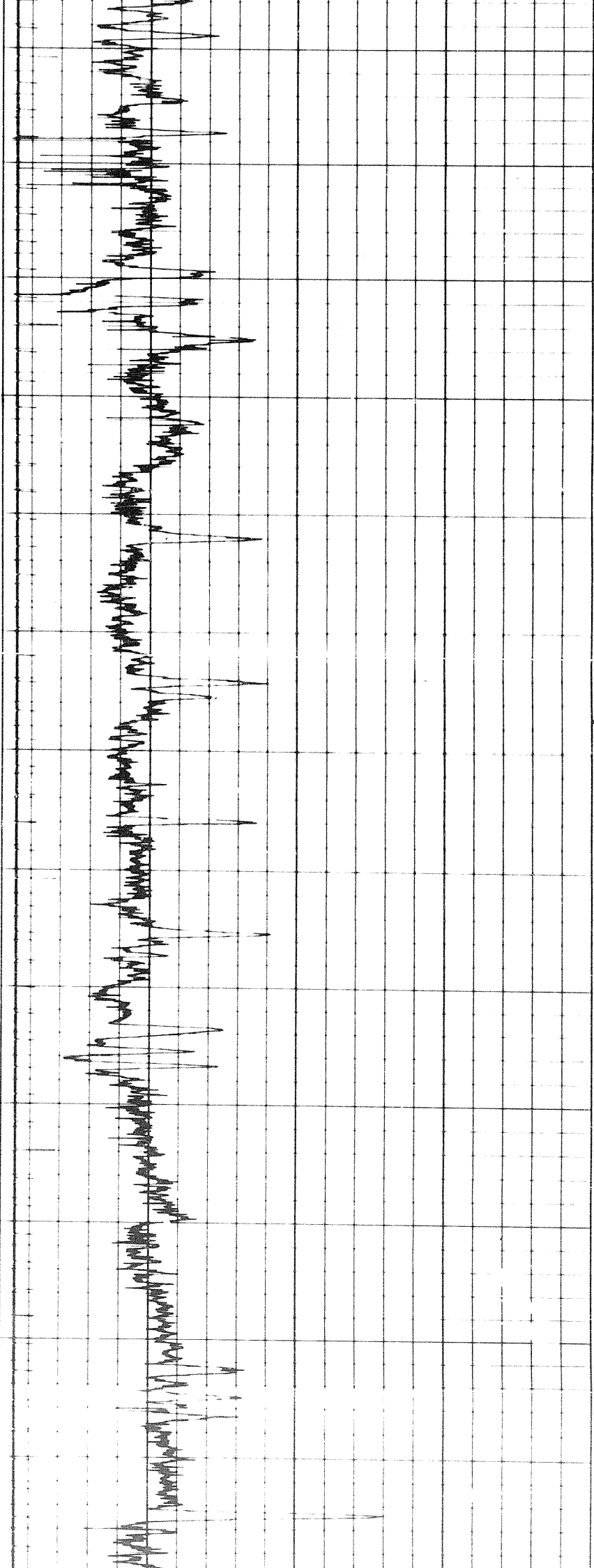
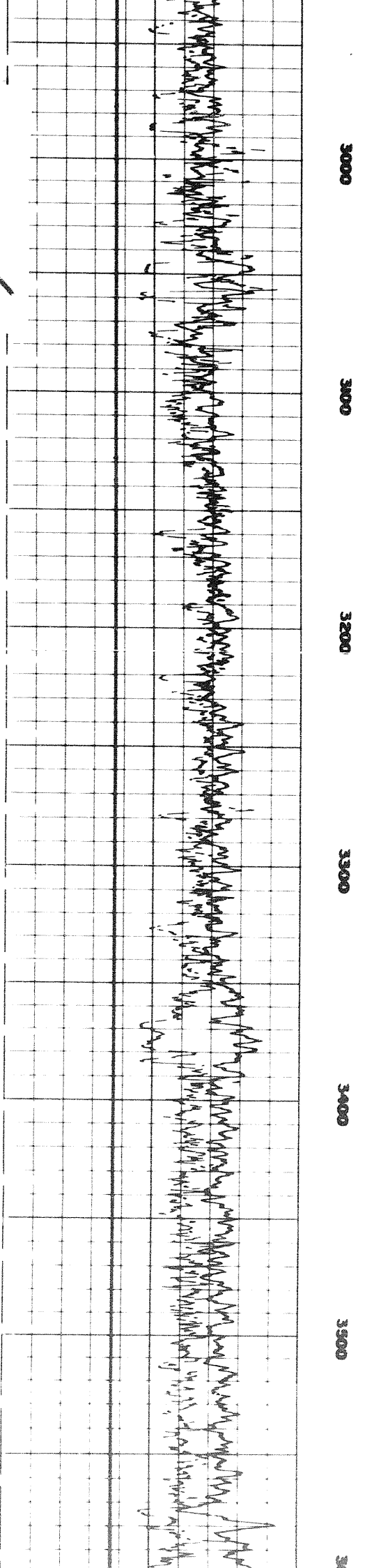
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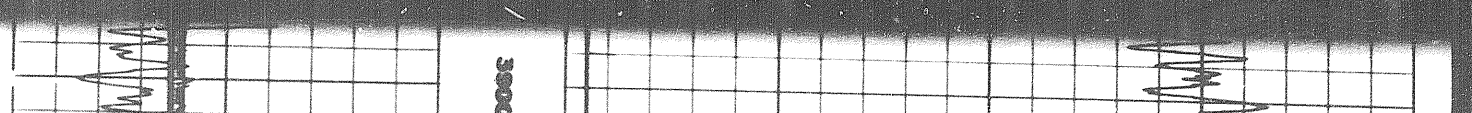
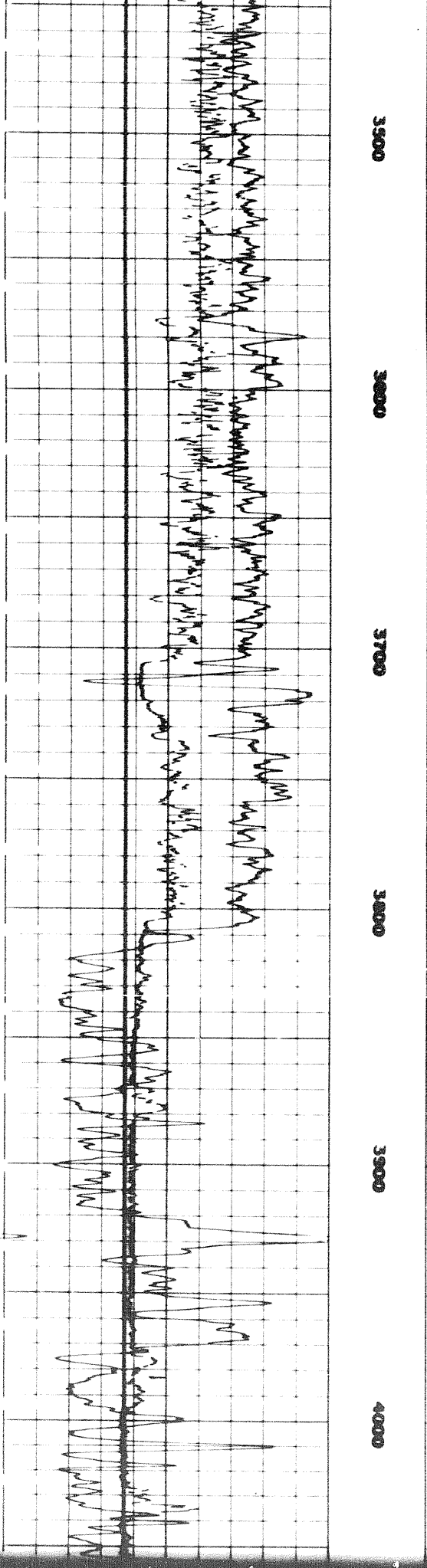
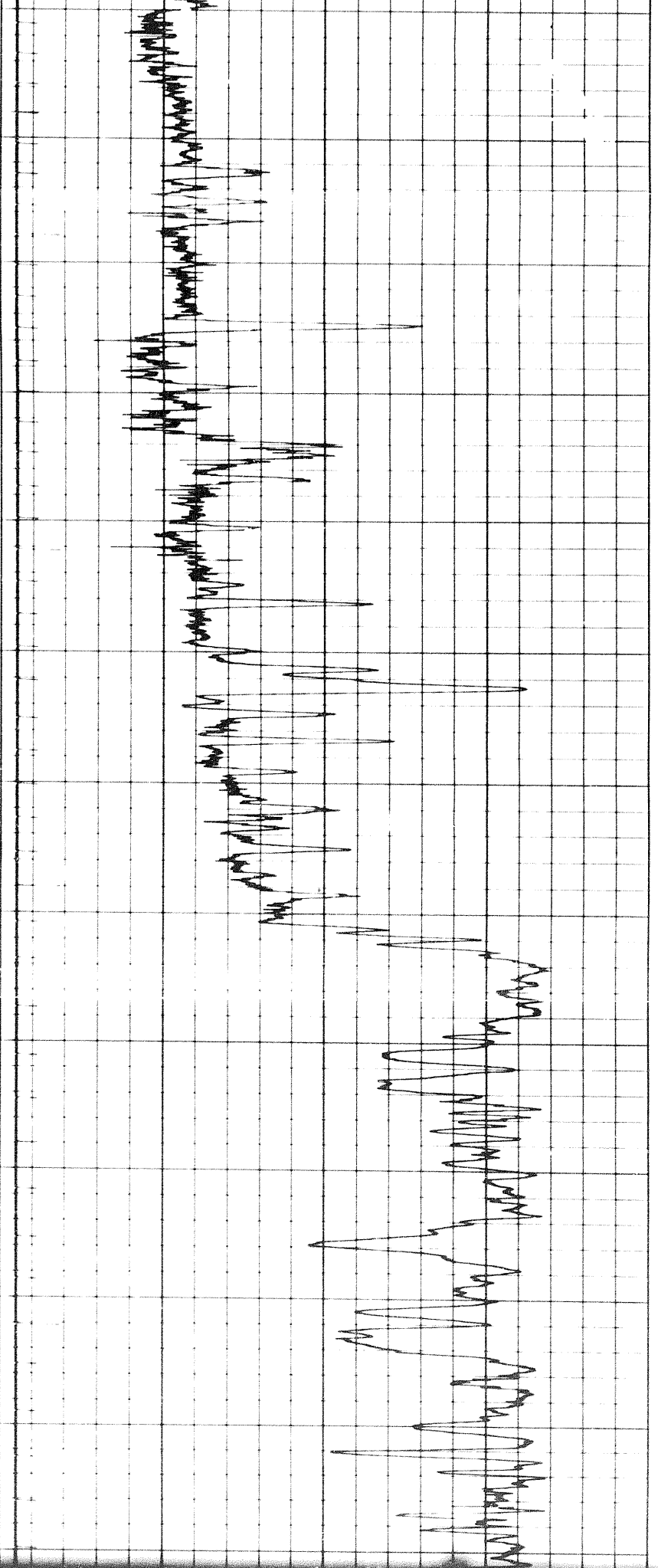
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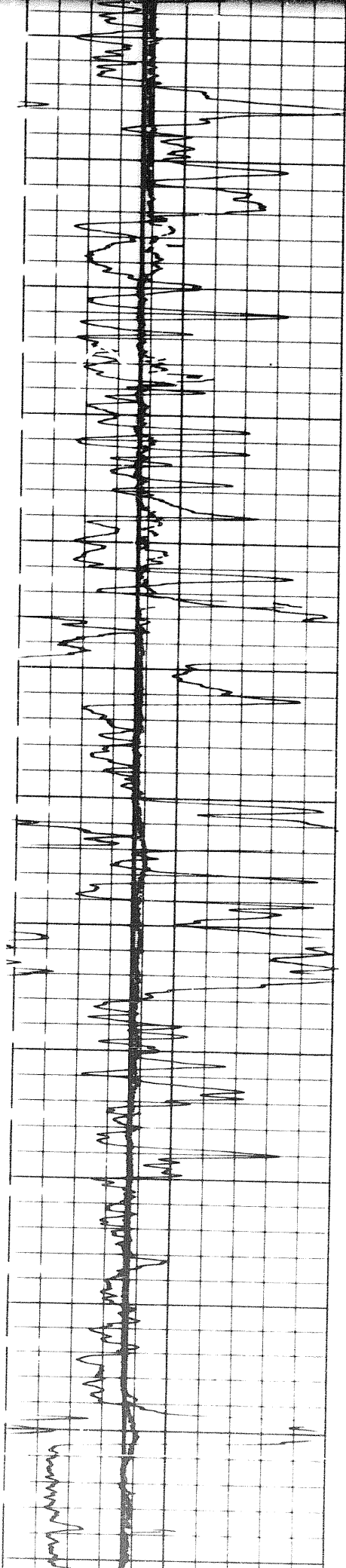
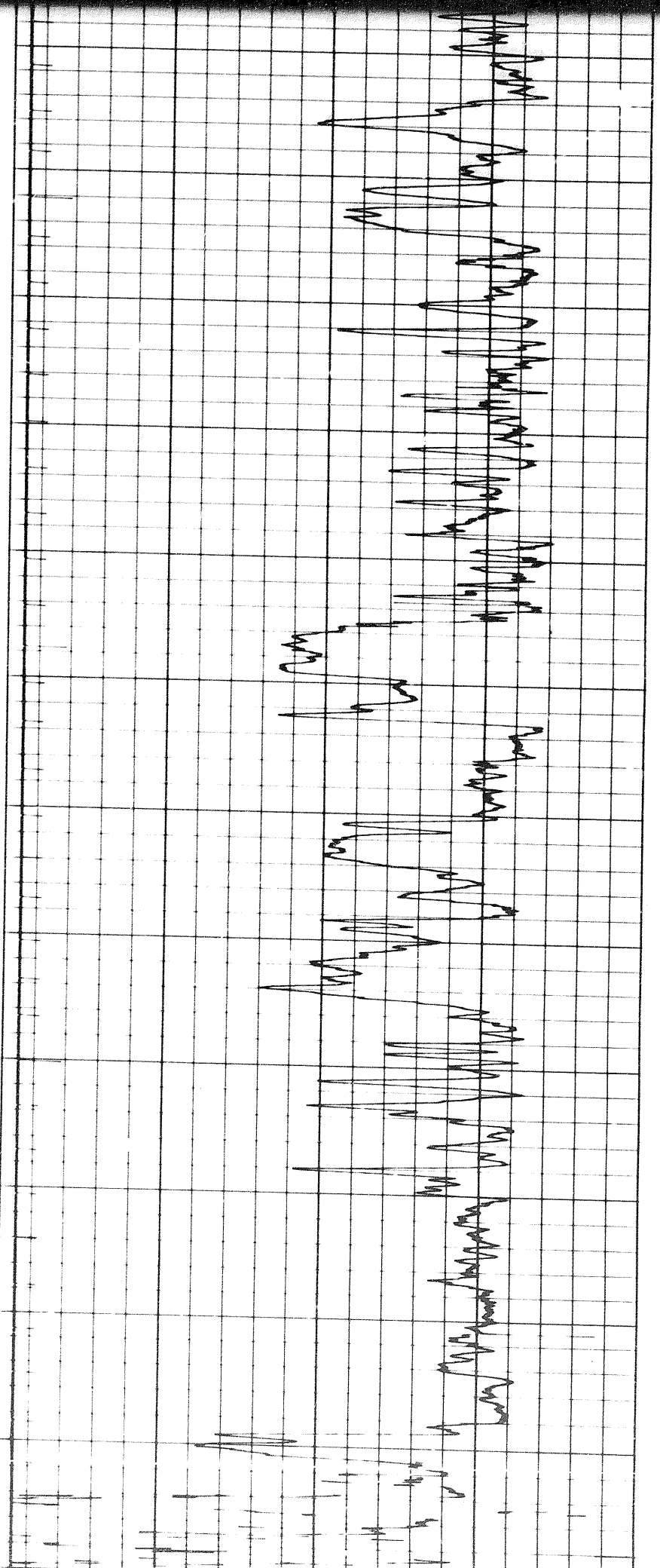


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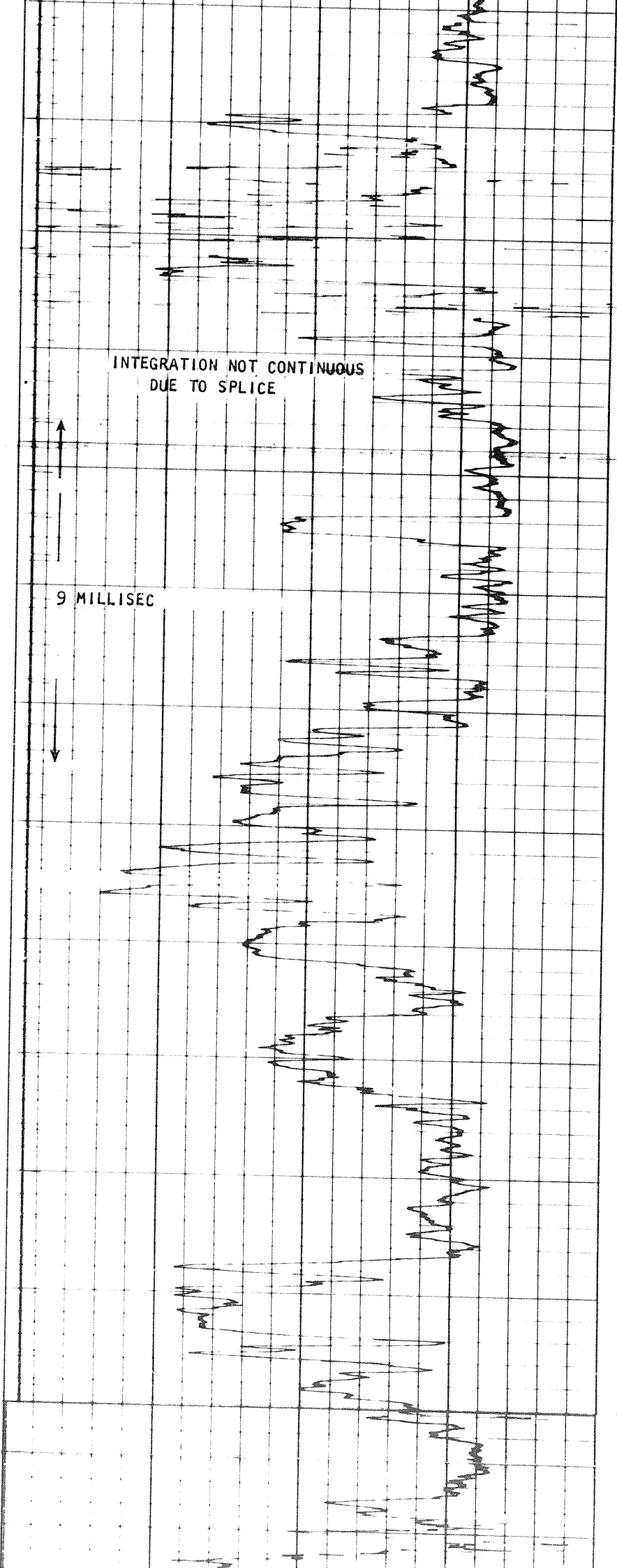
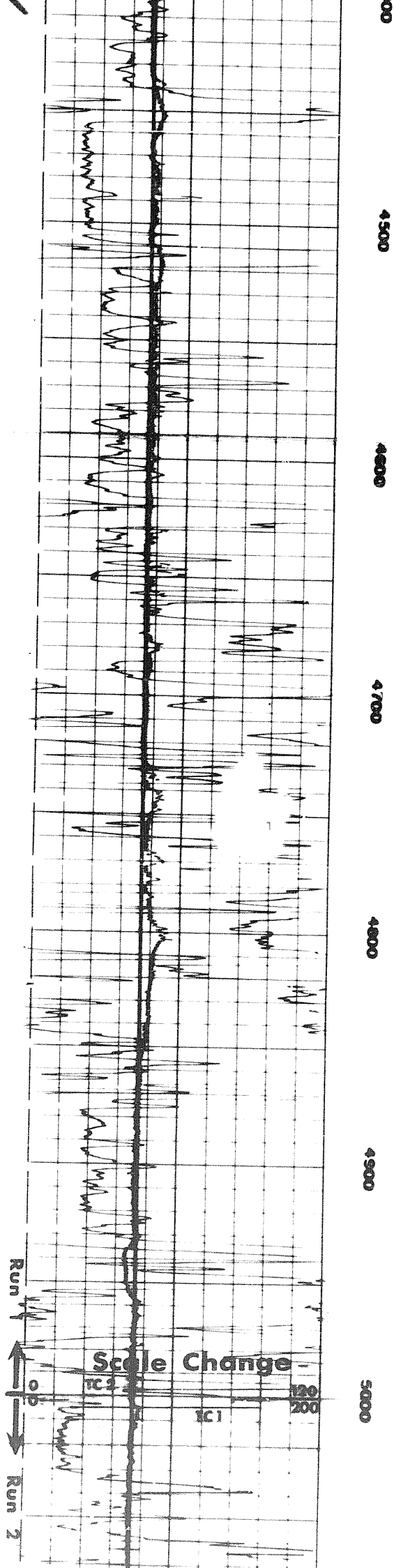


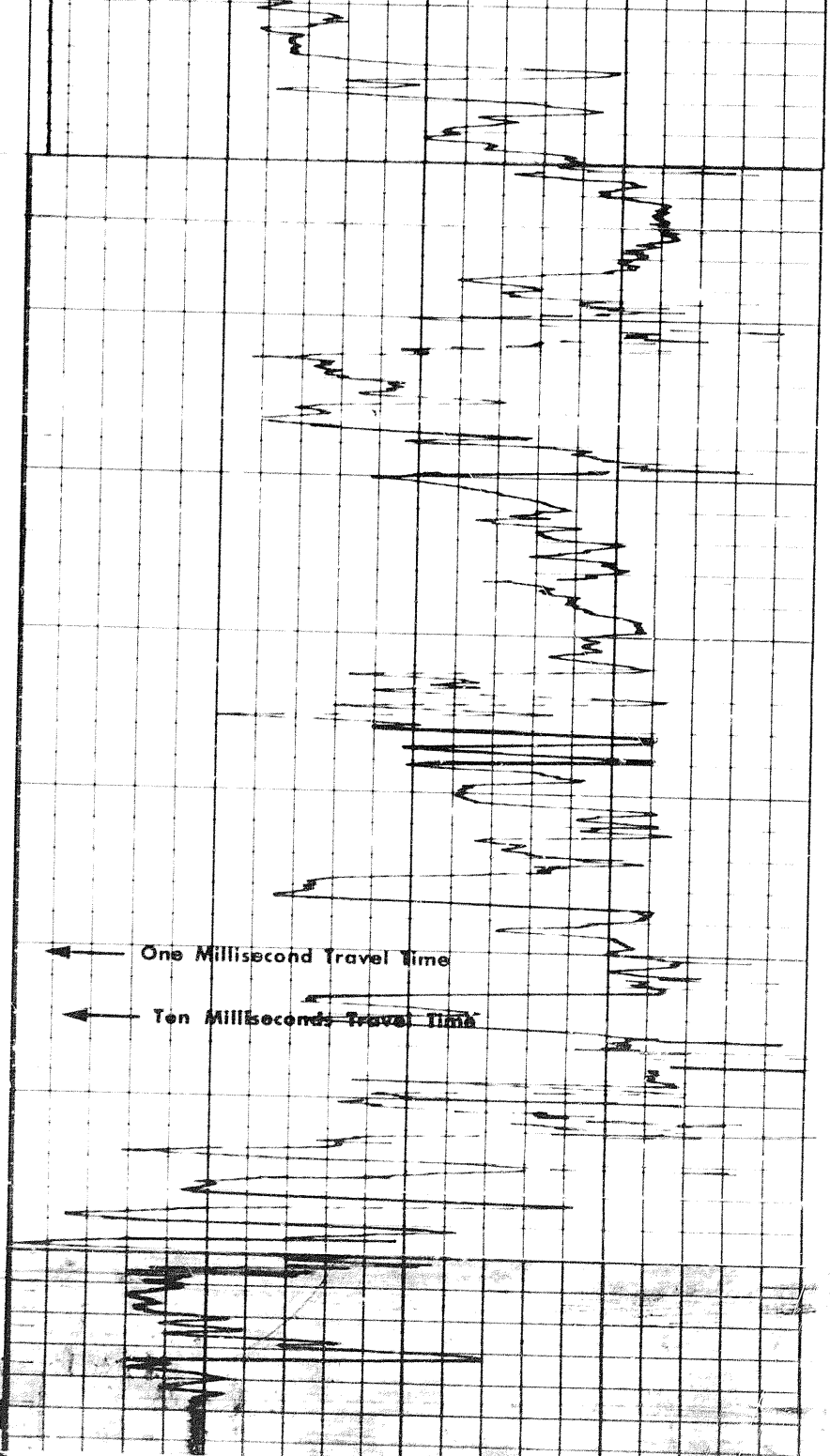
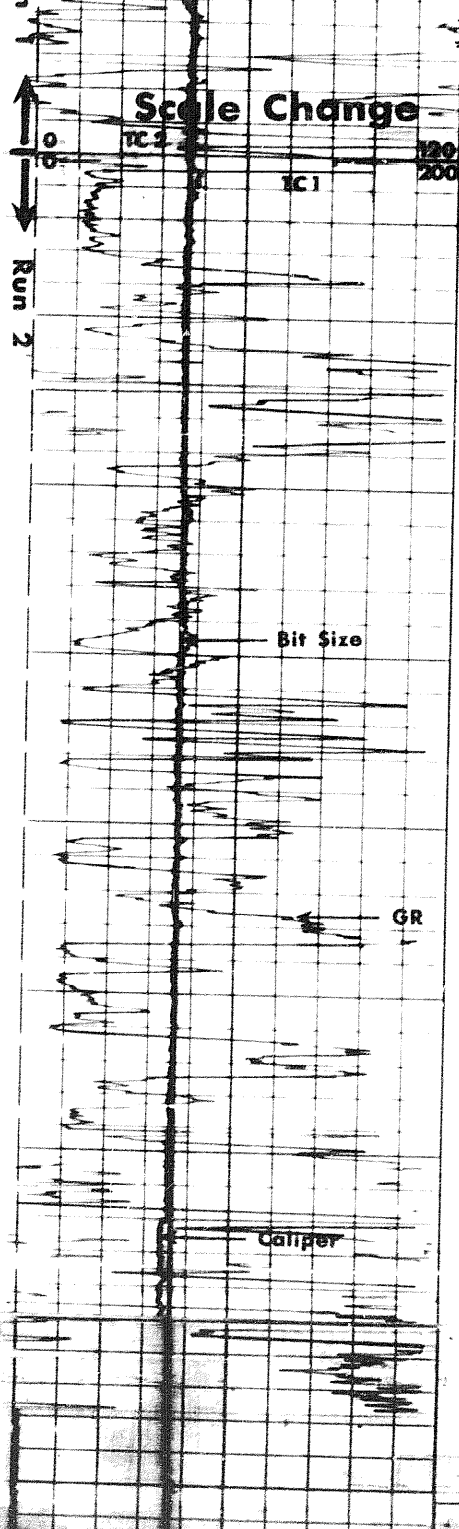




1

4 of





6	7	8	9	10	11	12	13	14	
CALIPER hole diameter in inches									
Sens. 500 T.C. 1									
Zero 0 div to left									
0								200	
200								400	
GAMMA RAY API UNITS			DEPTHS			SONIC INTERVAL TRANSIT TIME microseconds per foot			
			160			130			
			100			70			
						100			
						40			

6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

Sens. 500 T.C. 1
Zero 0 div. to left

0 200
200 400

Speed in FPM

160 130 100
100 70 40

GAMMA RAY
API UNITS

DEPTHS

SONIC
INTERVAL TRANSIT TIME
microseconds per foot

DETAIL LOG

5" = 100'

RUN #1

GAMMA RAY
API UNITS

DEPTHS

SONIC
INTERVAL TRANSIT TIME
microseconds per foot

Sens. 300 T.C. 2
Zero 0 div. to left

0 120
120 240

Speed in FPM

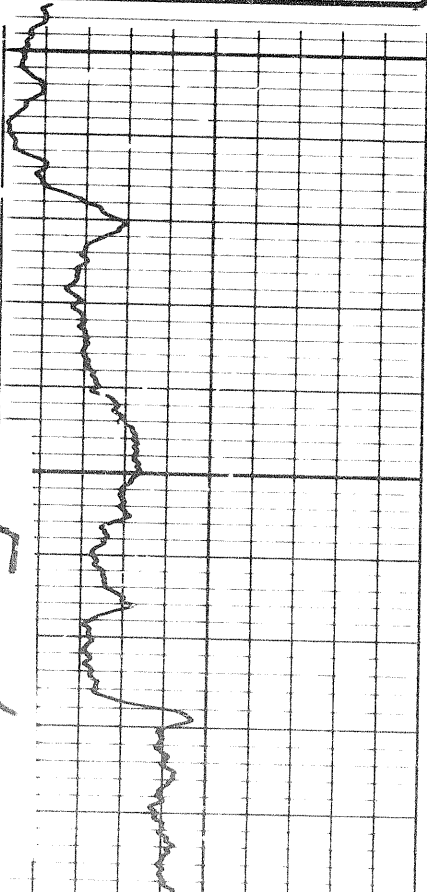
140 90 40
240 190 140

CALIPER
hole diameter in inches

6 7 8 9 10 11 12 13 14

0000

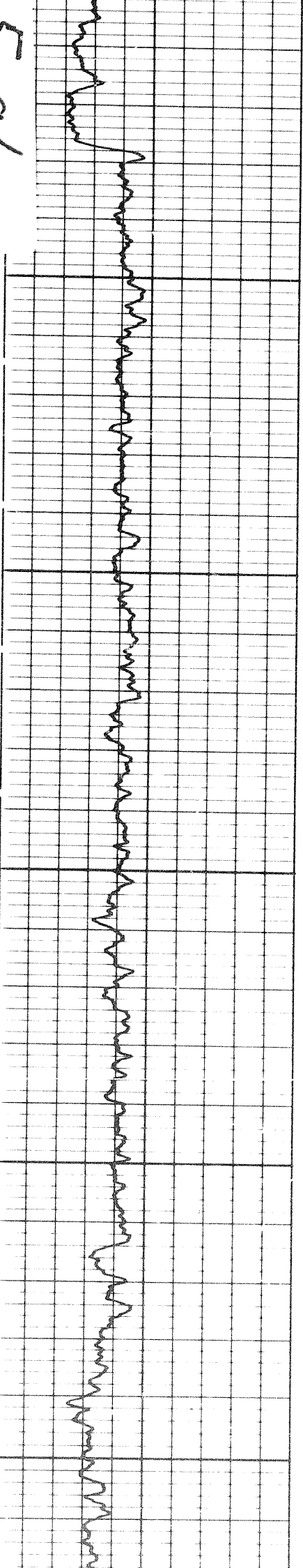
010



5 of

6-17-65 10 22

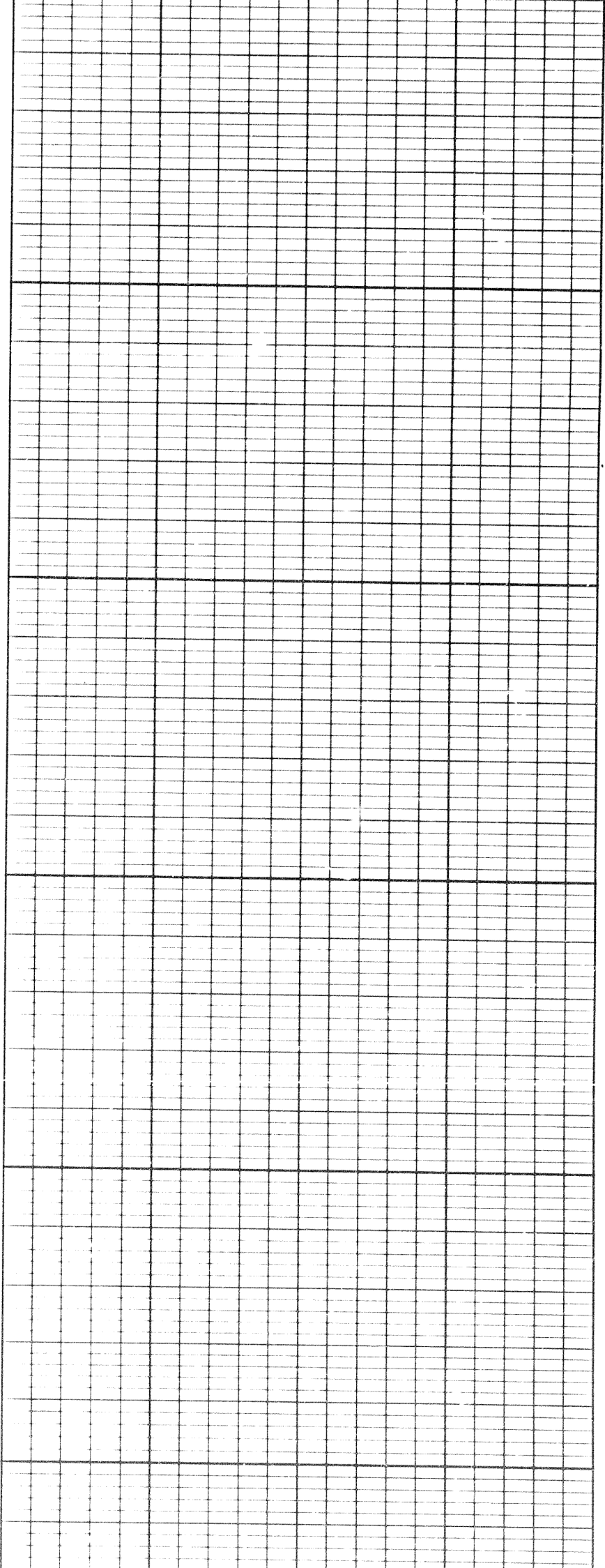
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0100

0200

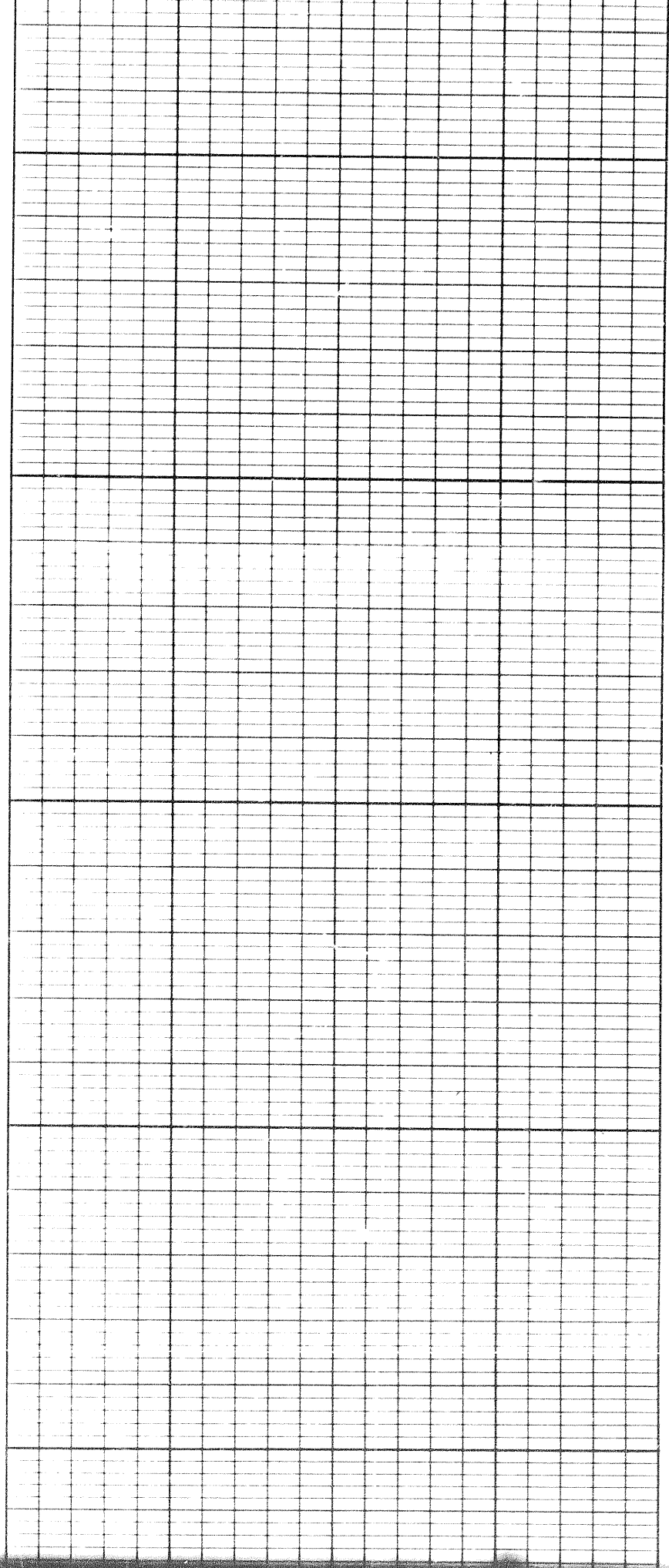
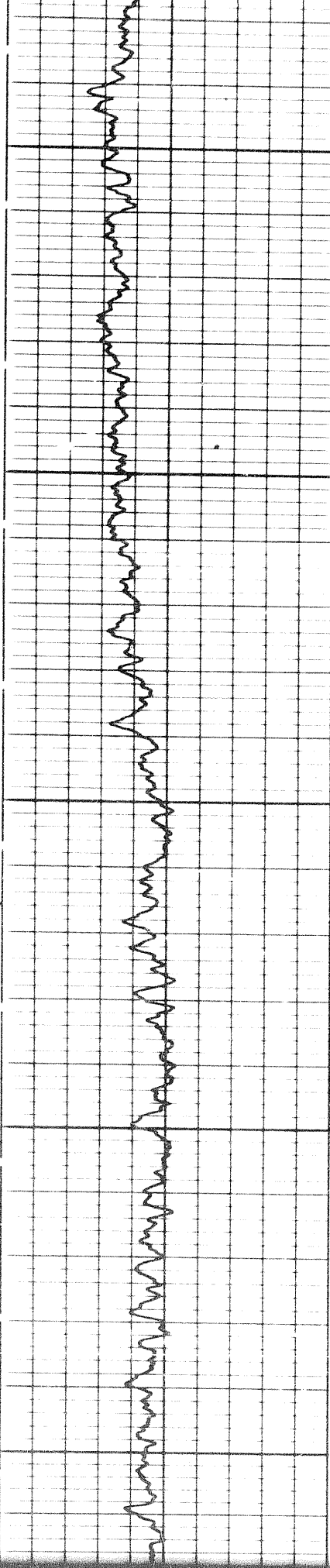
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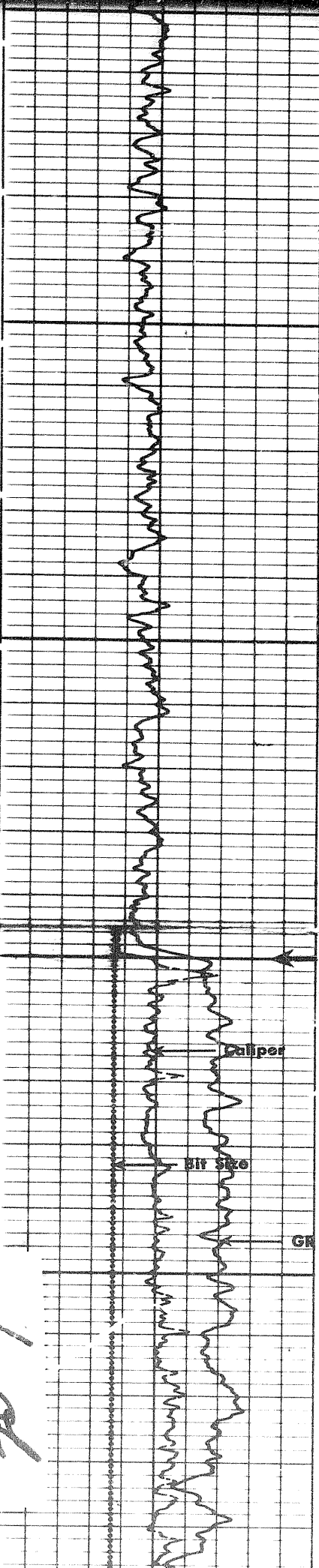
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0400

0500

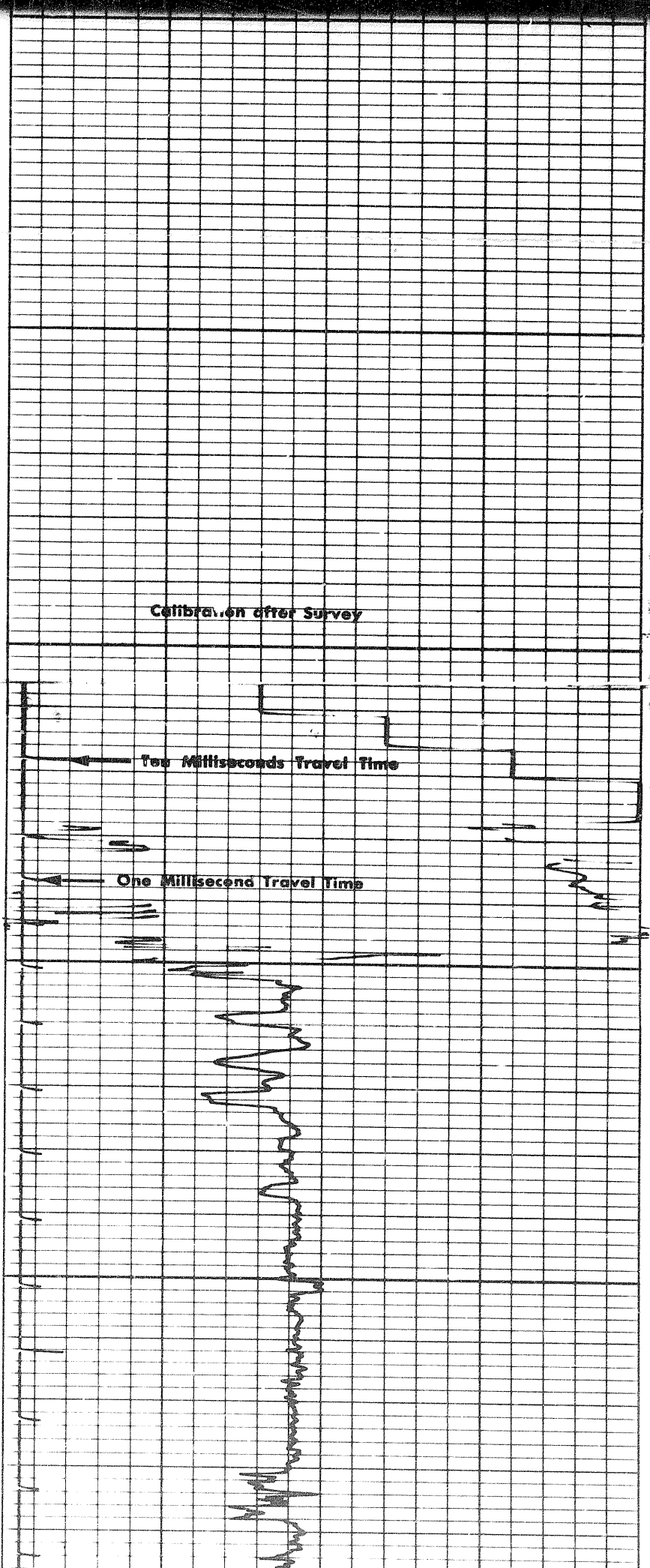


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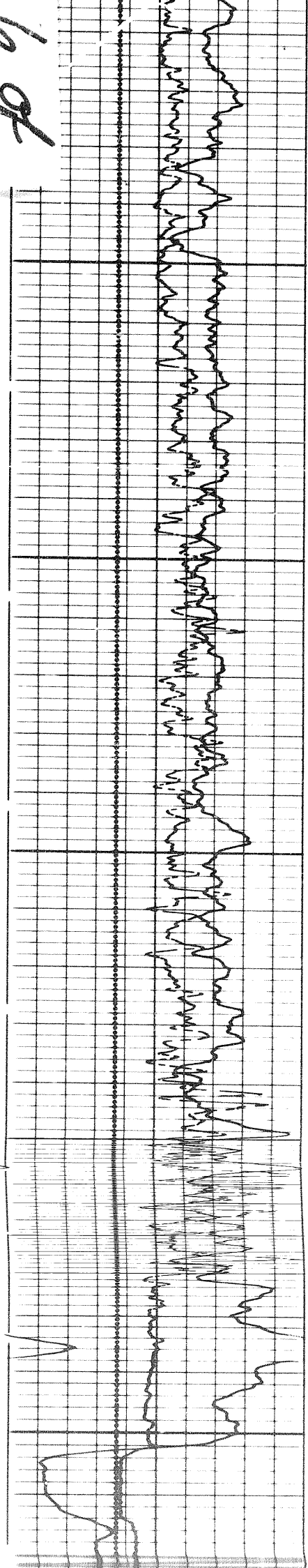
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0090



0080-1-9

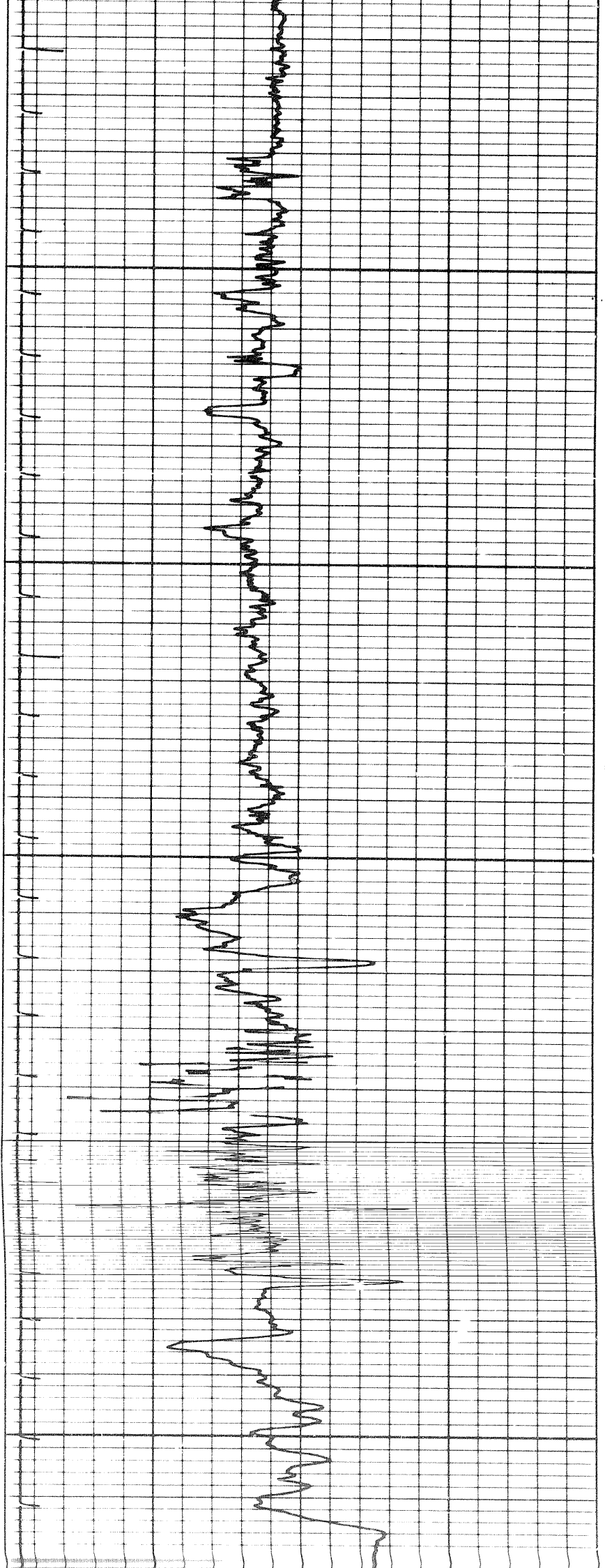
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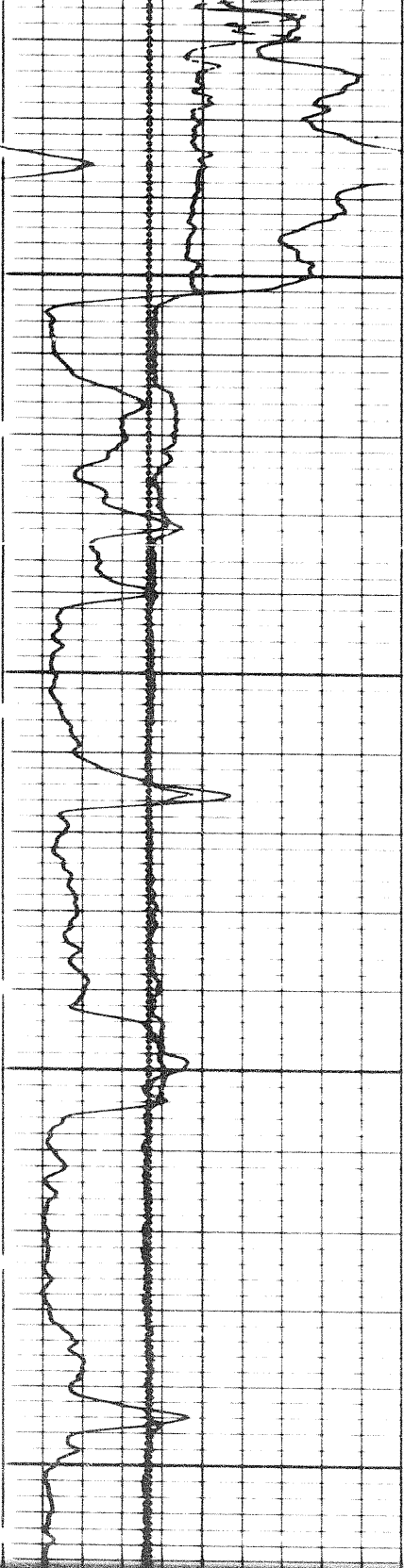


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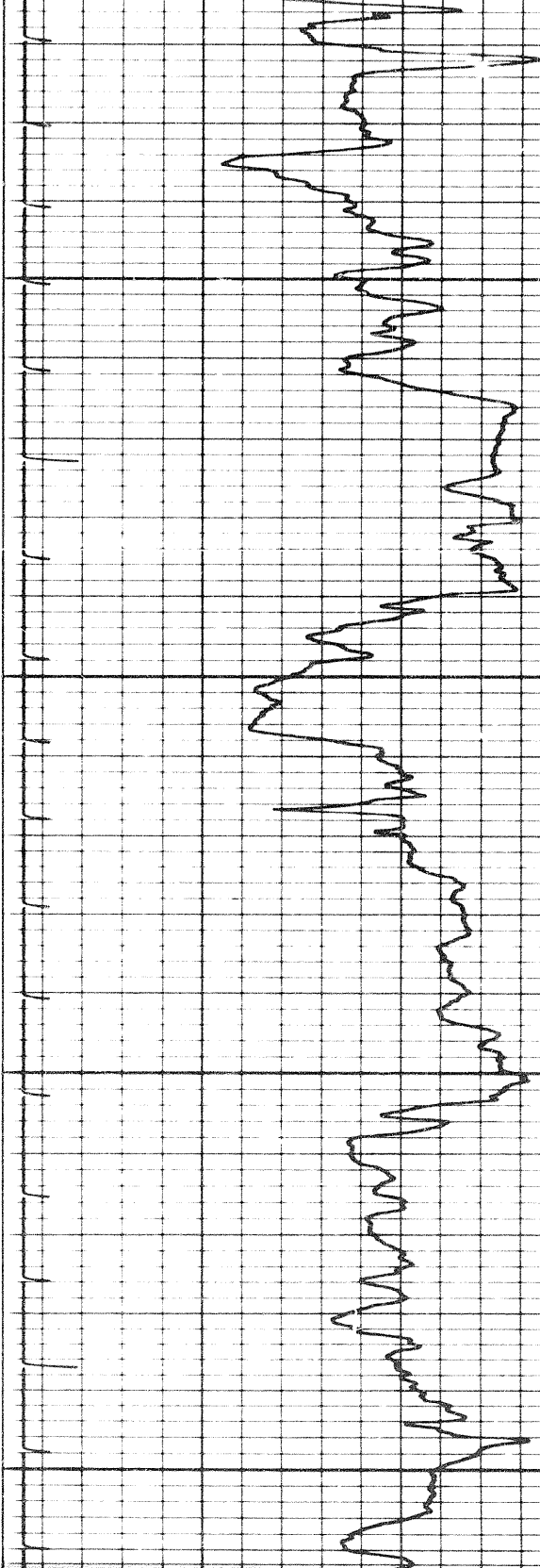
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0900

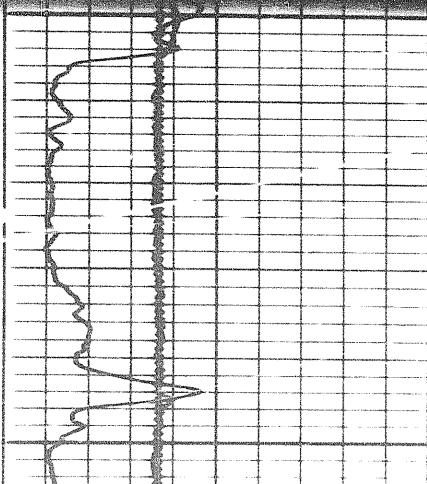




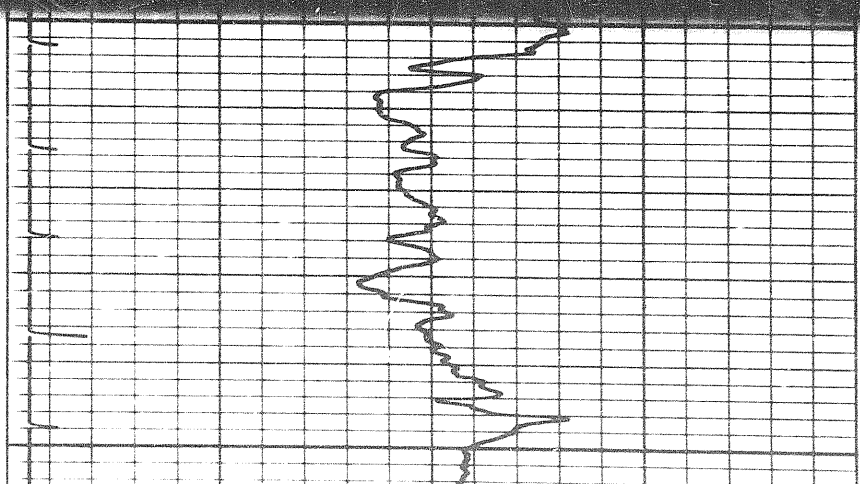
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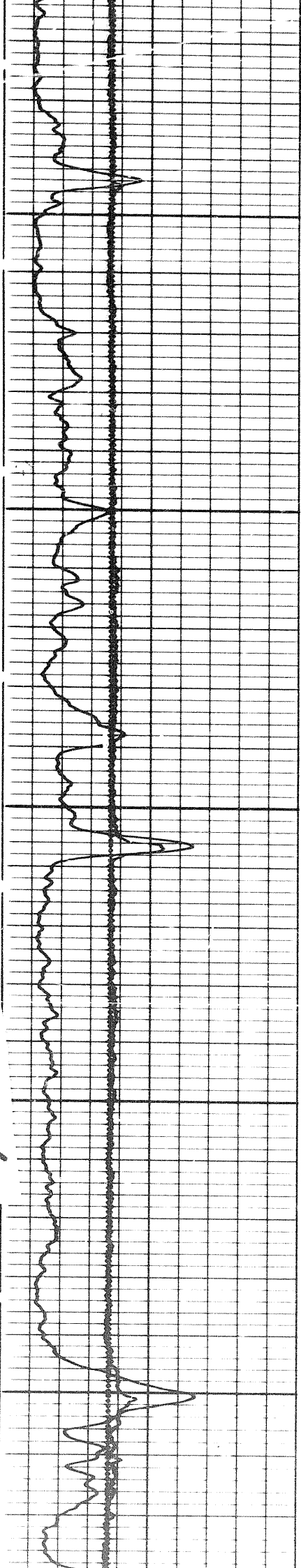
1100



1100



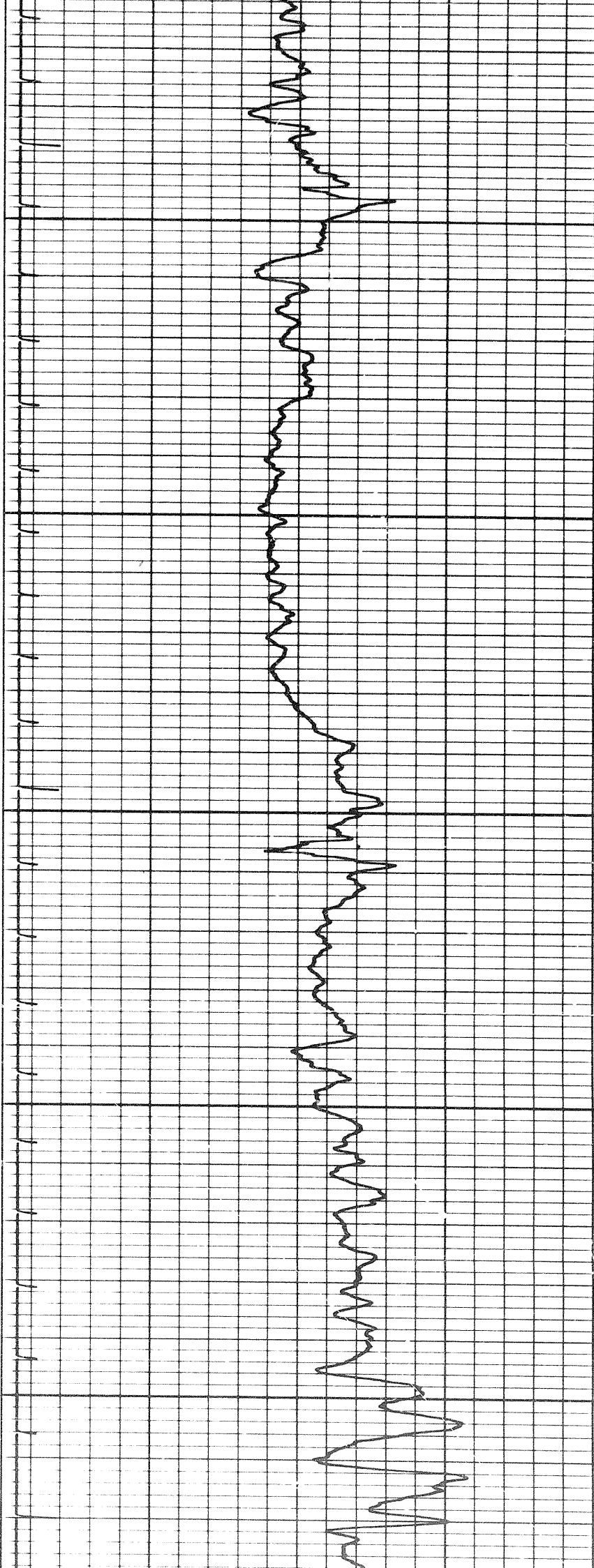
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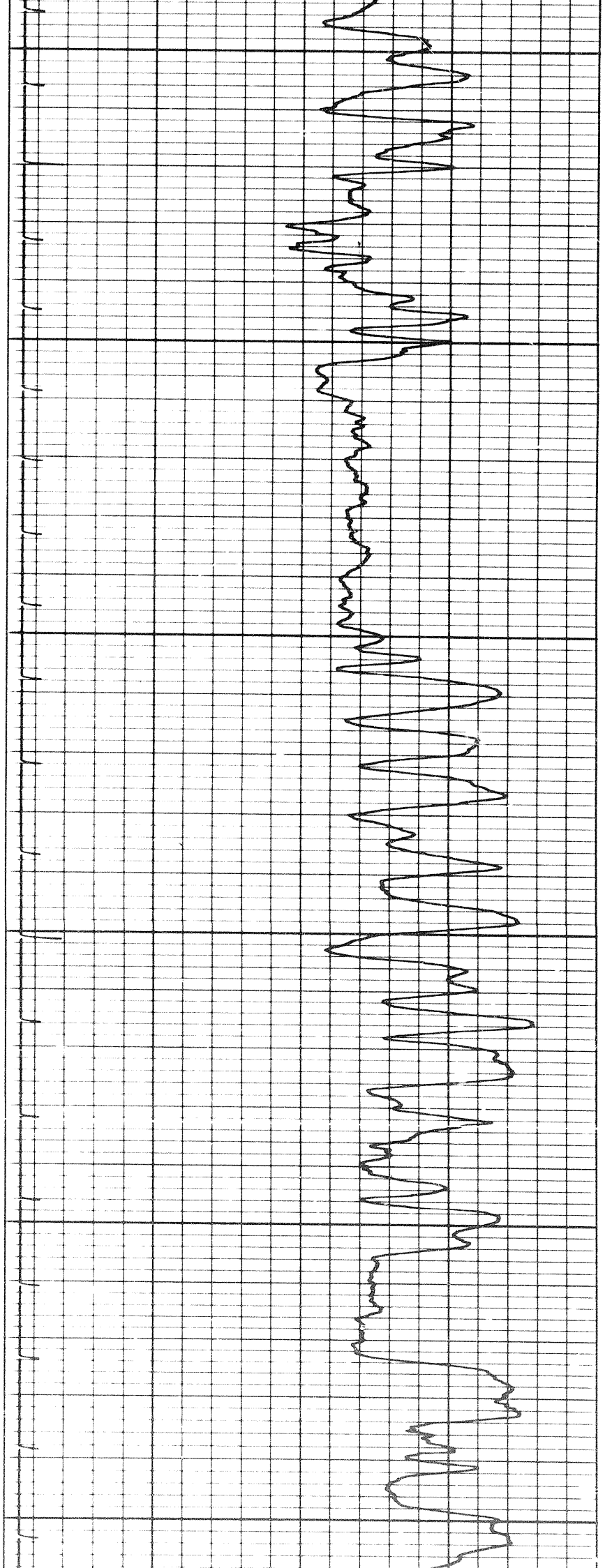


1100

1200

1300

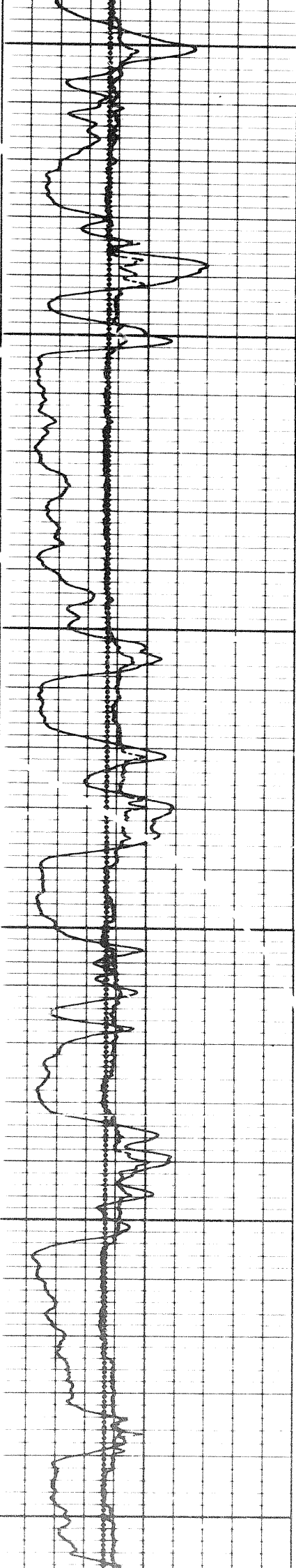


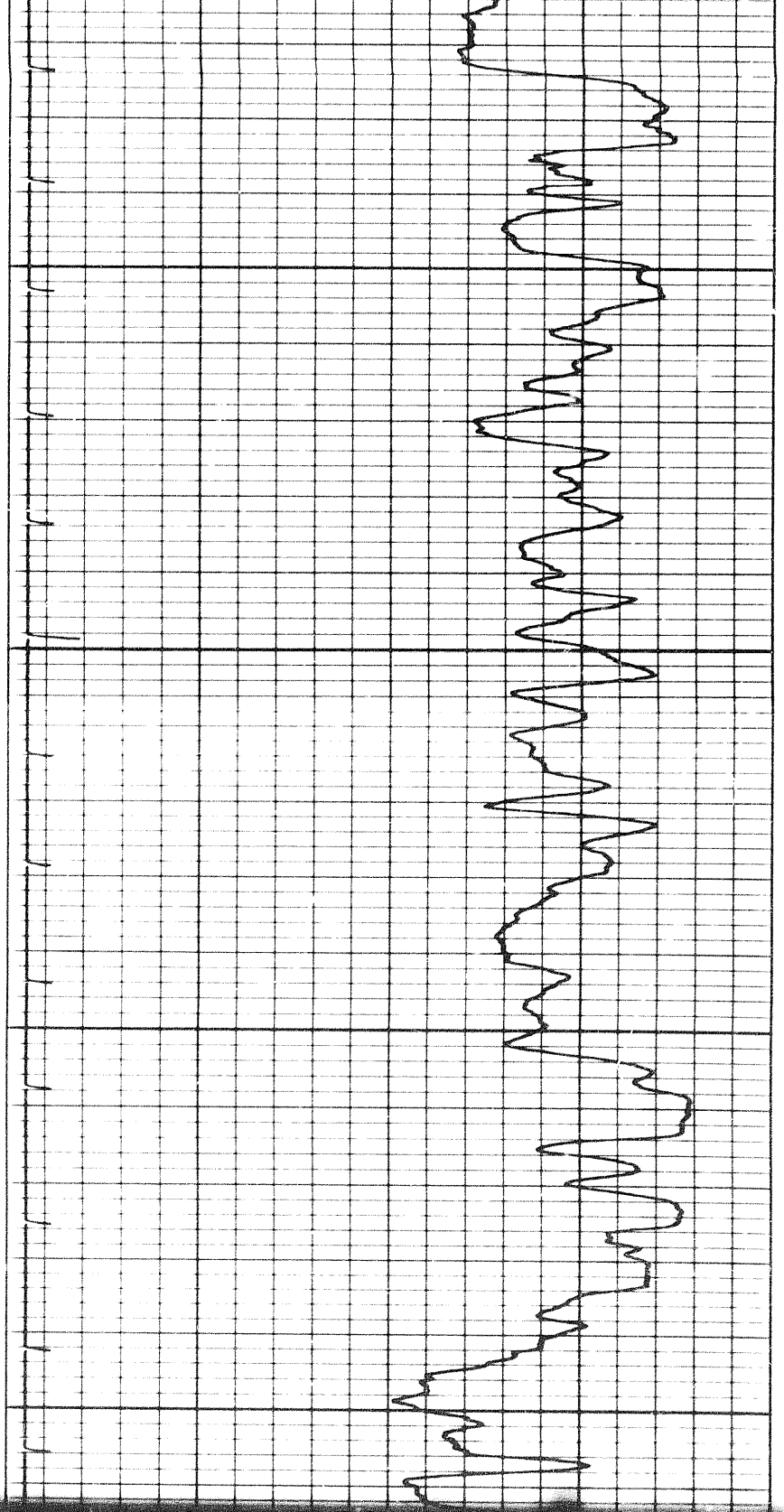


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1400

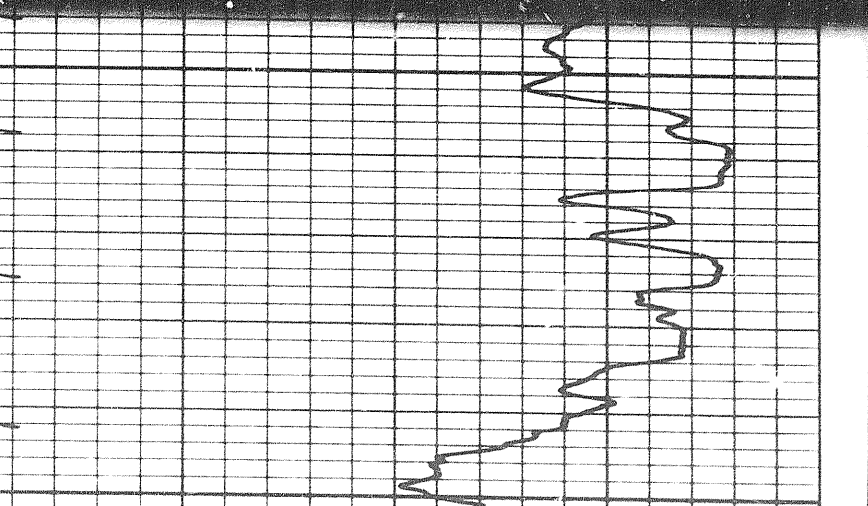
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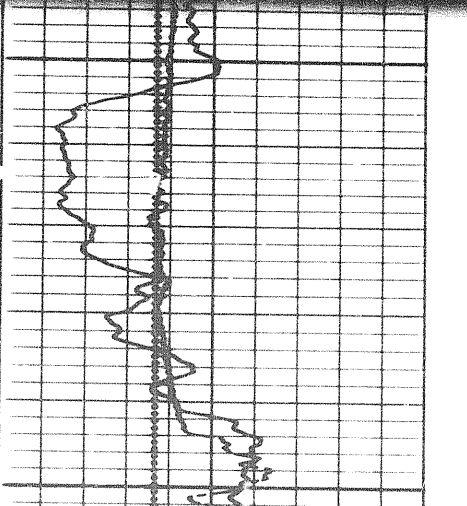
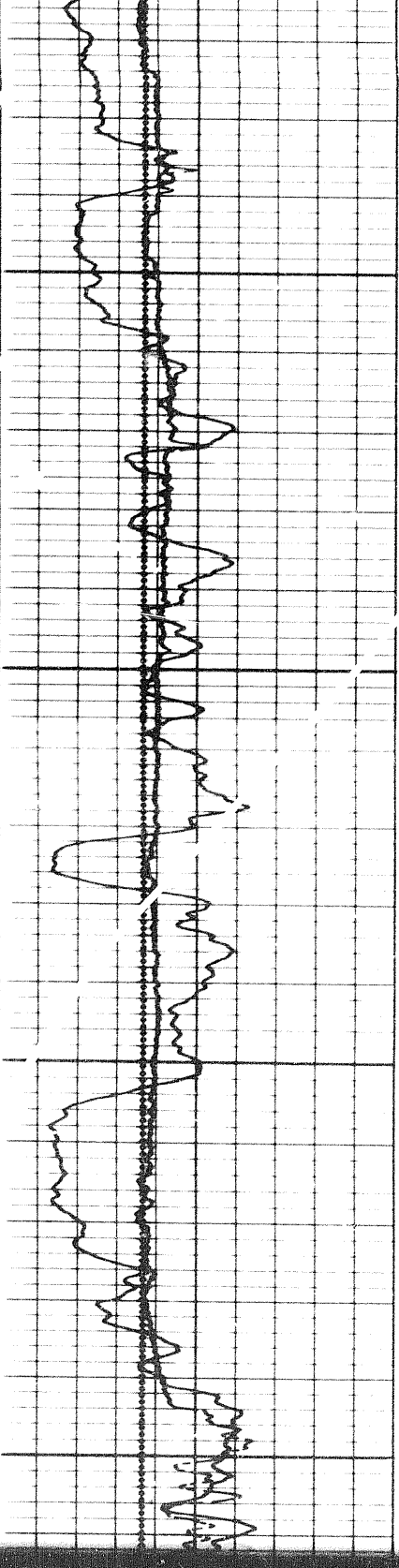


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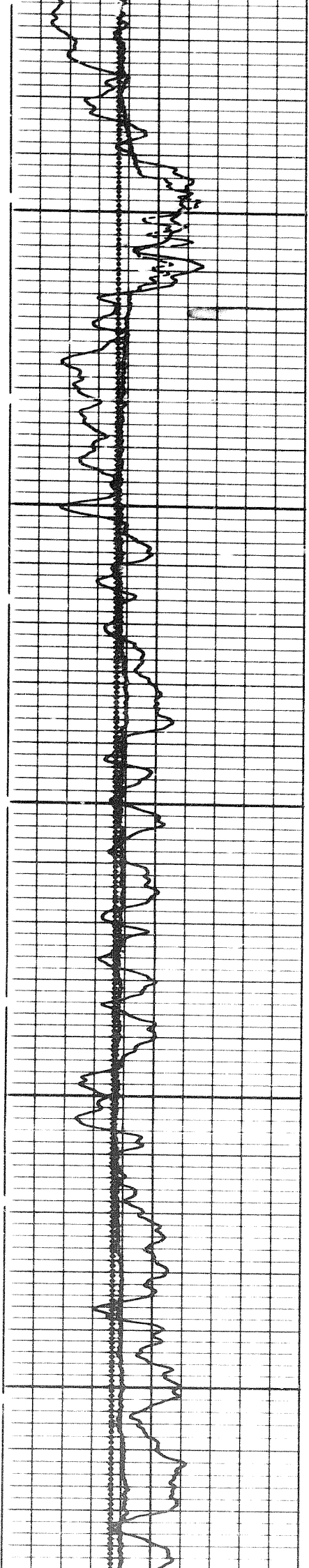
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1700



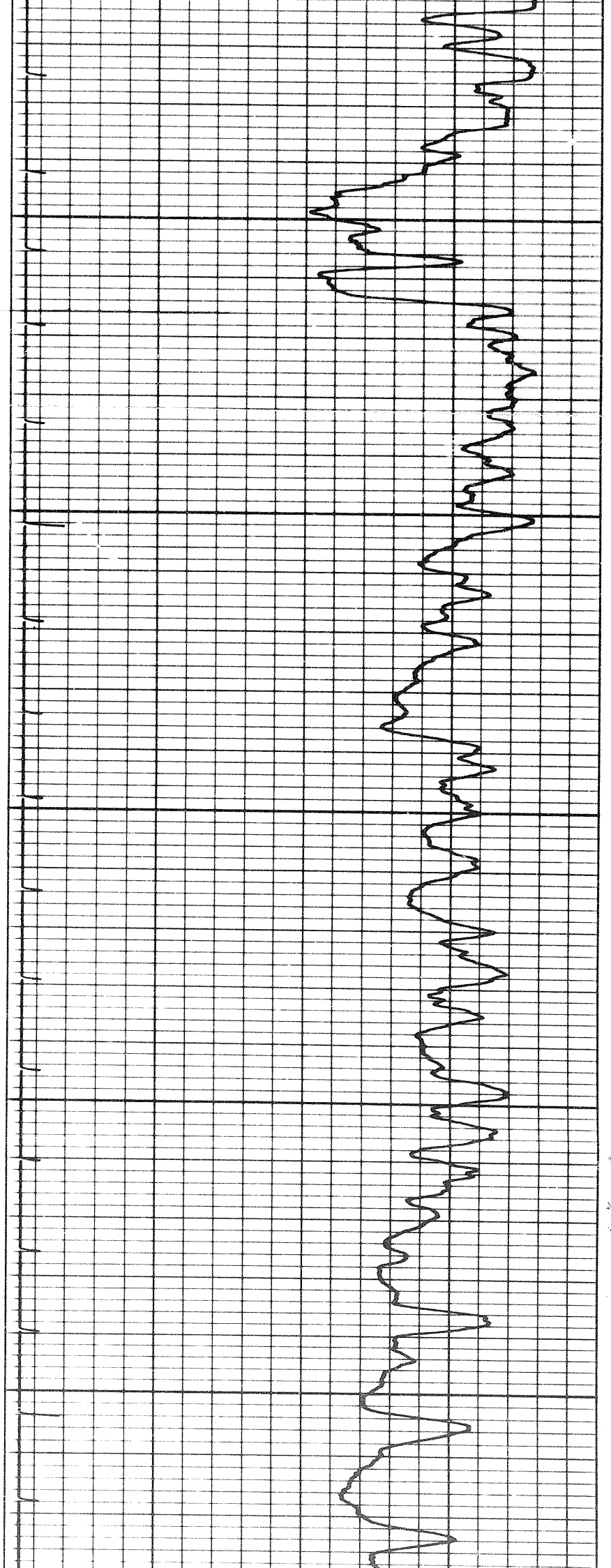
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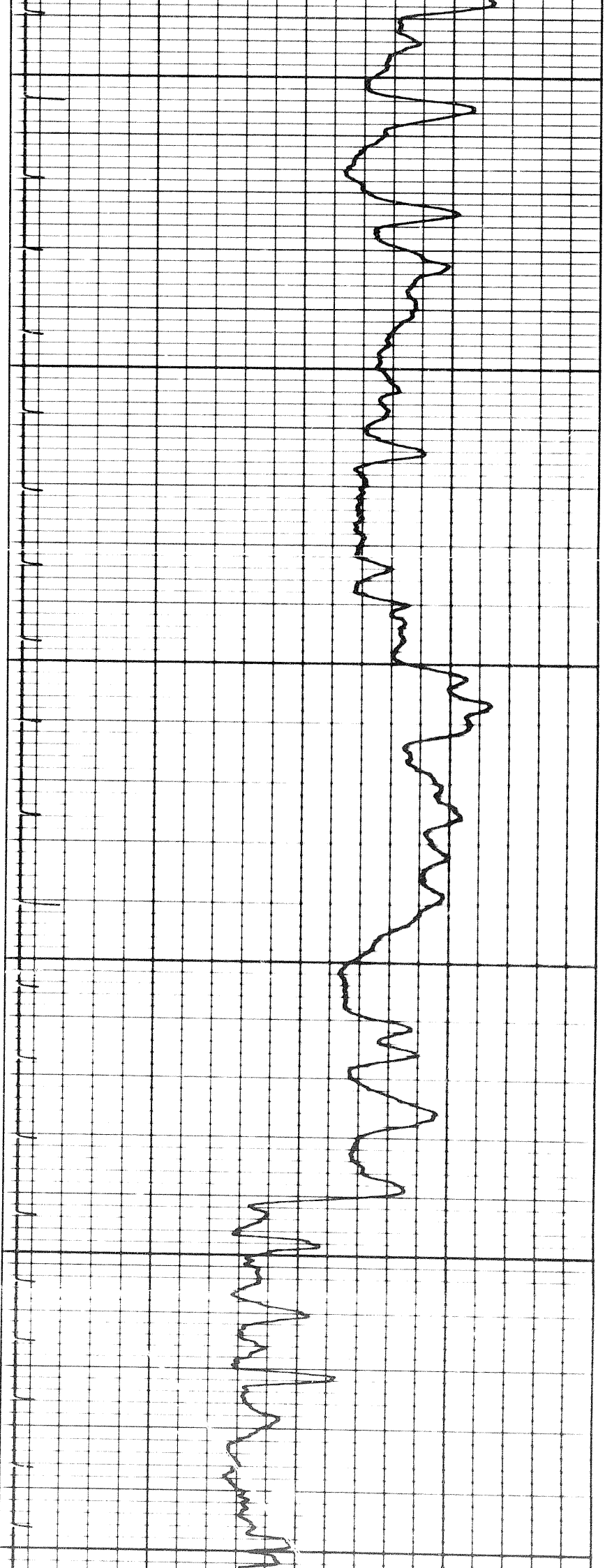


1700

1800

1900



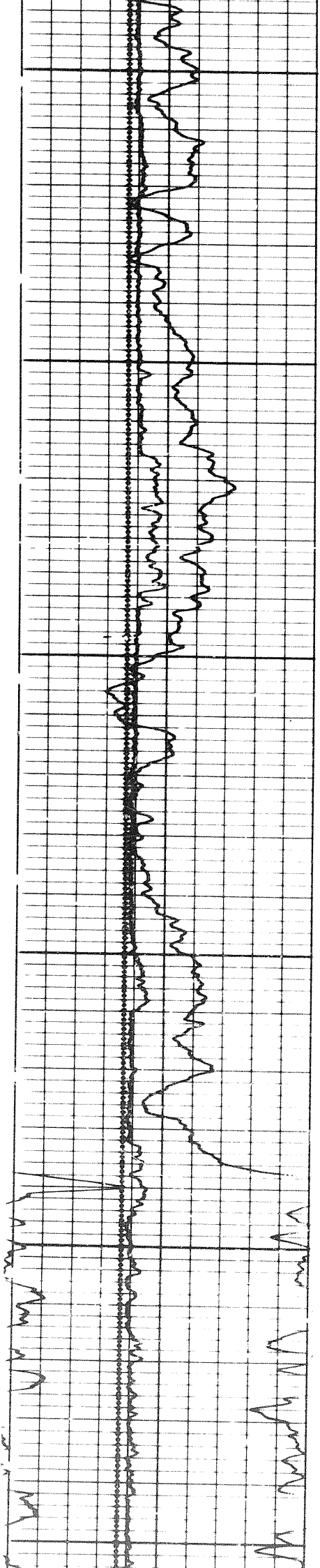


Normal Sinus Rhythm

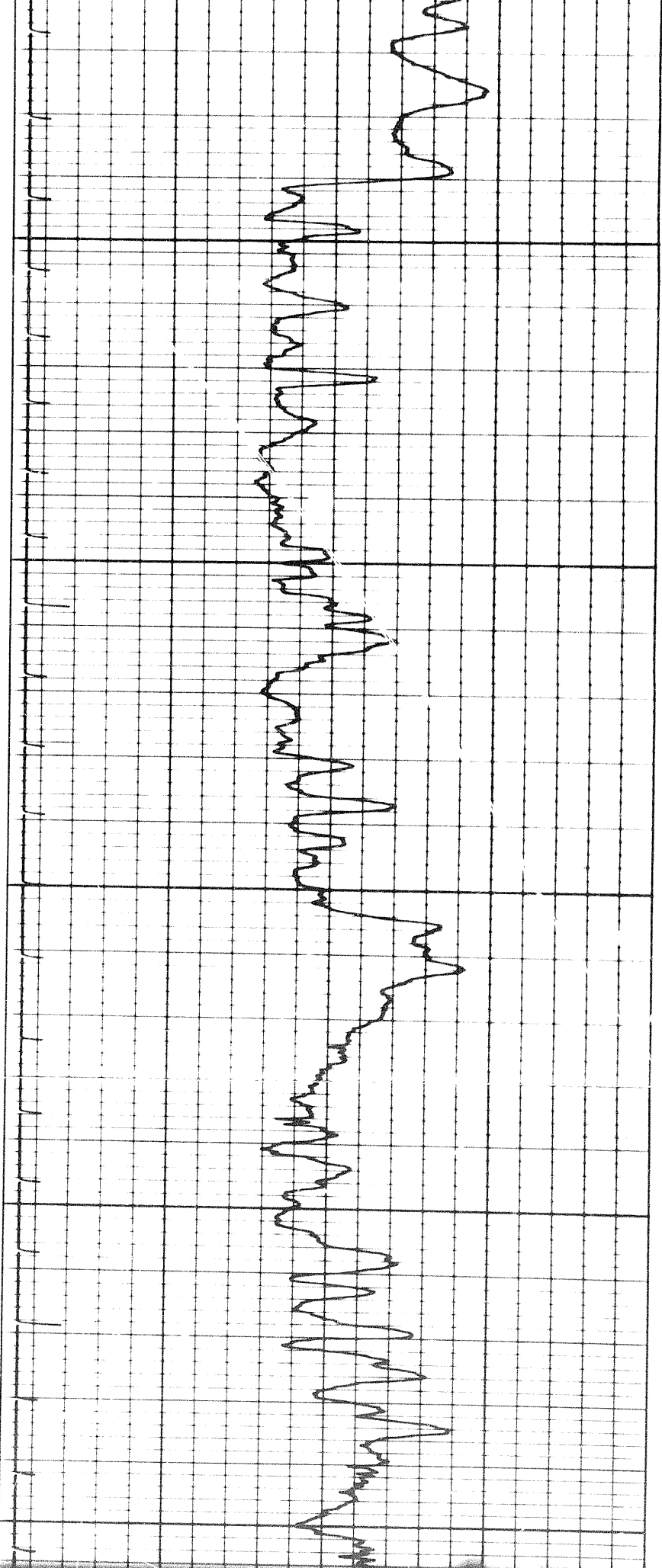
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2000

2100



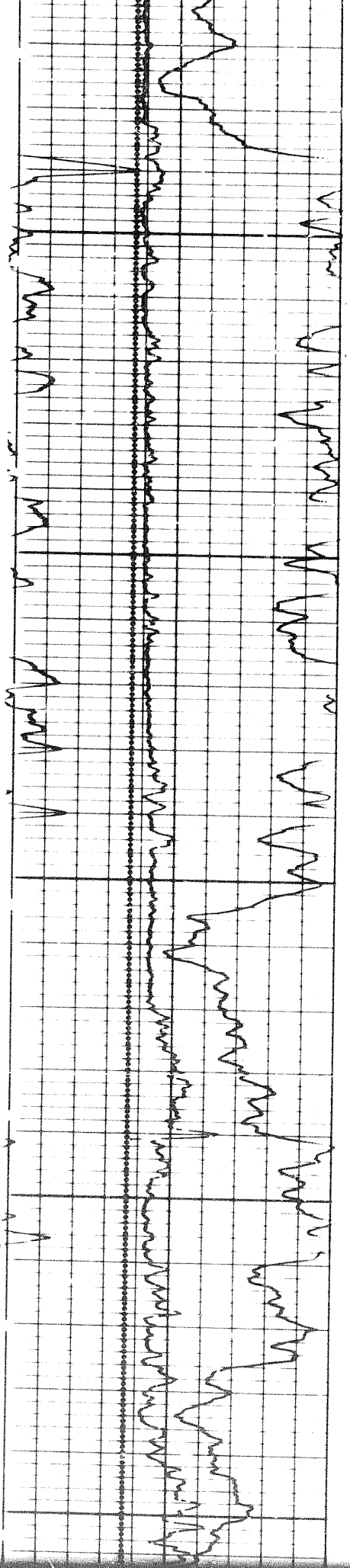
Normal Sinus Rhythm



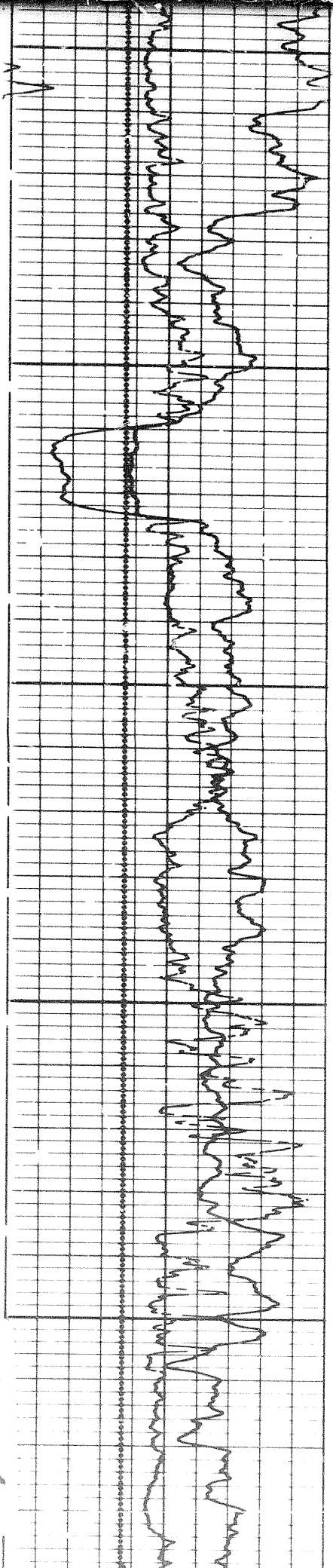
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2200

2300

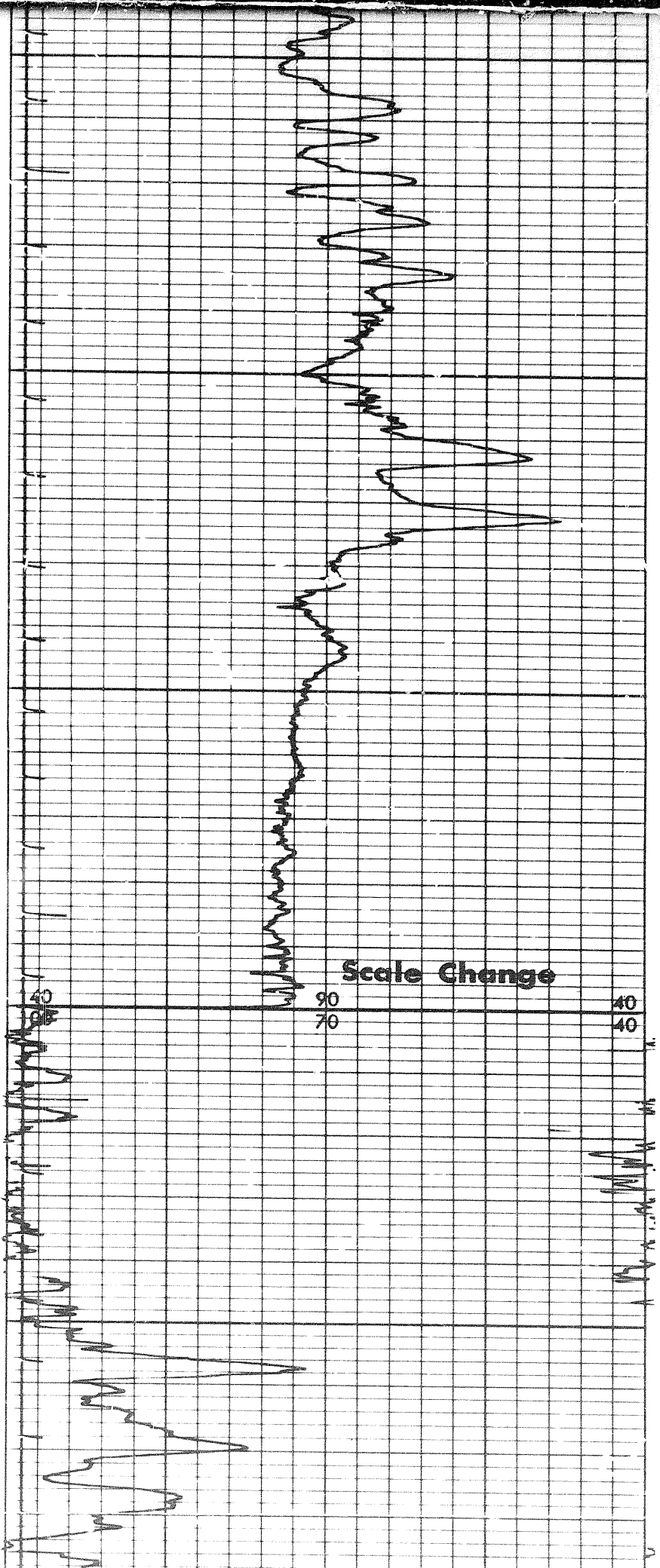


pat



2300

2400

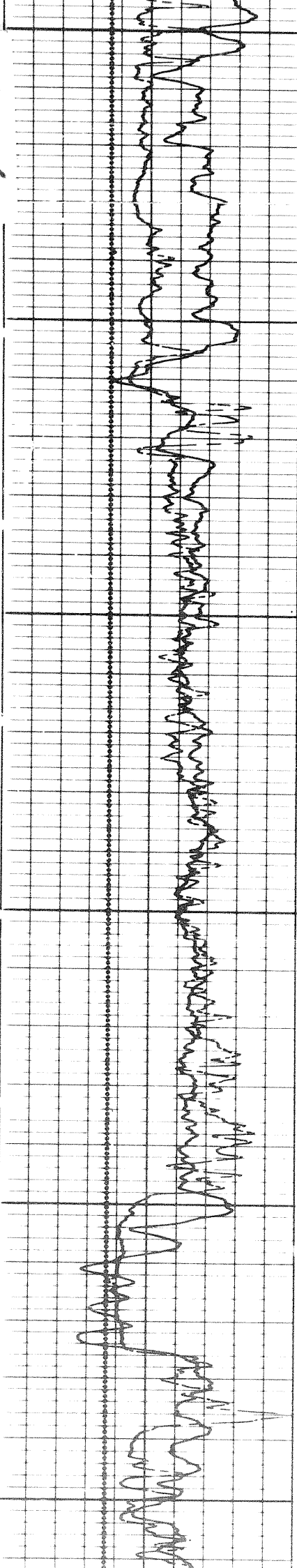


Scale Change

90
70

40
40

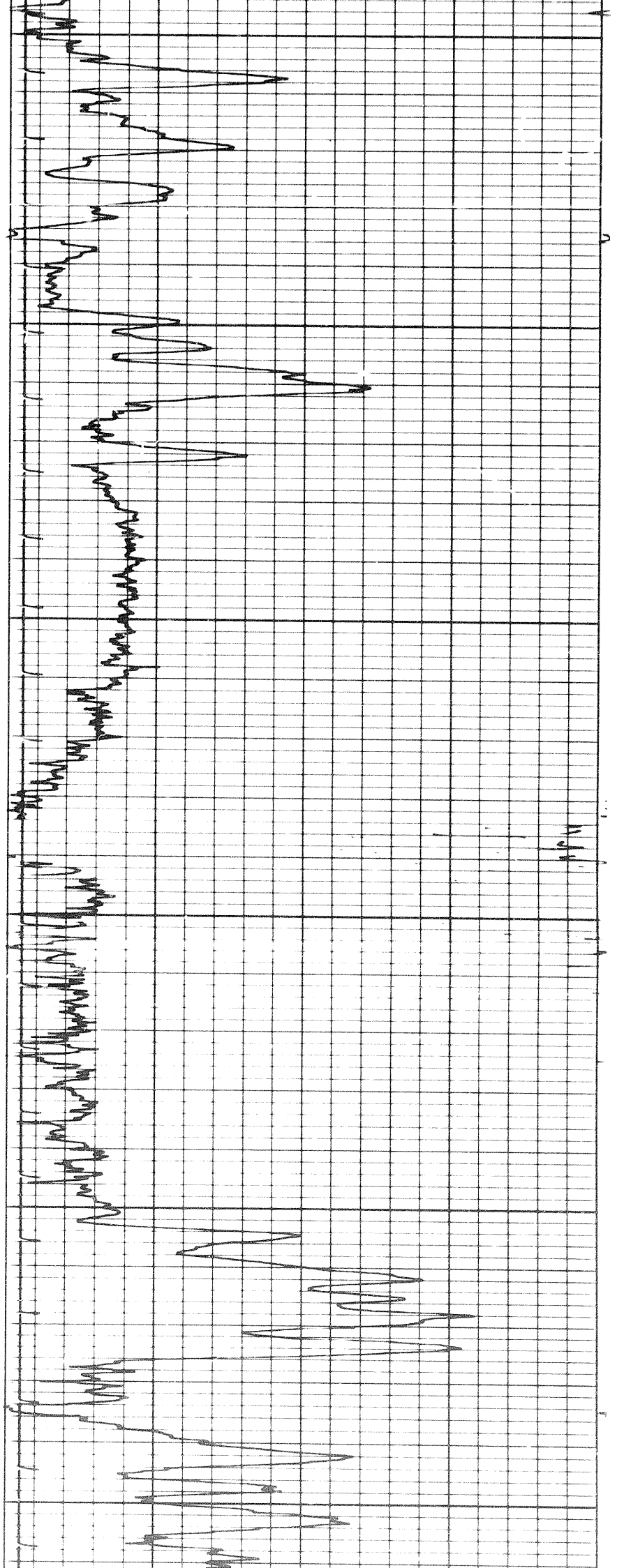
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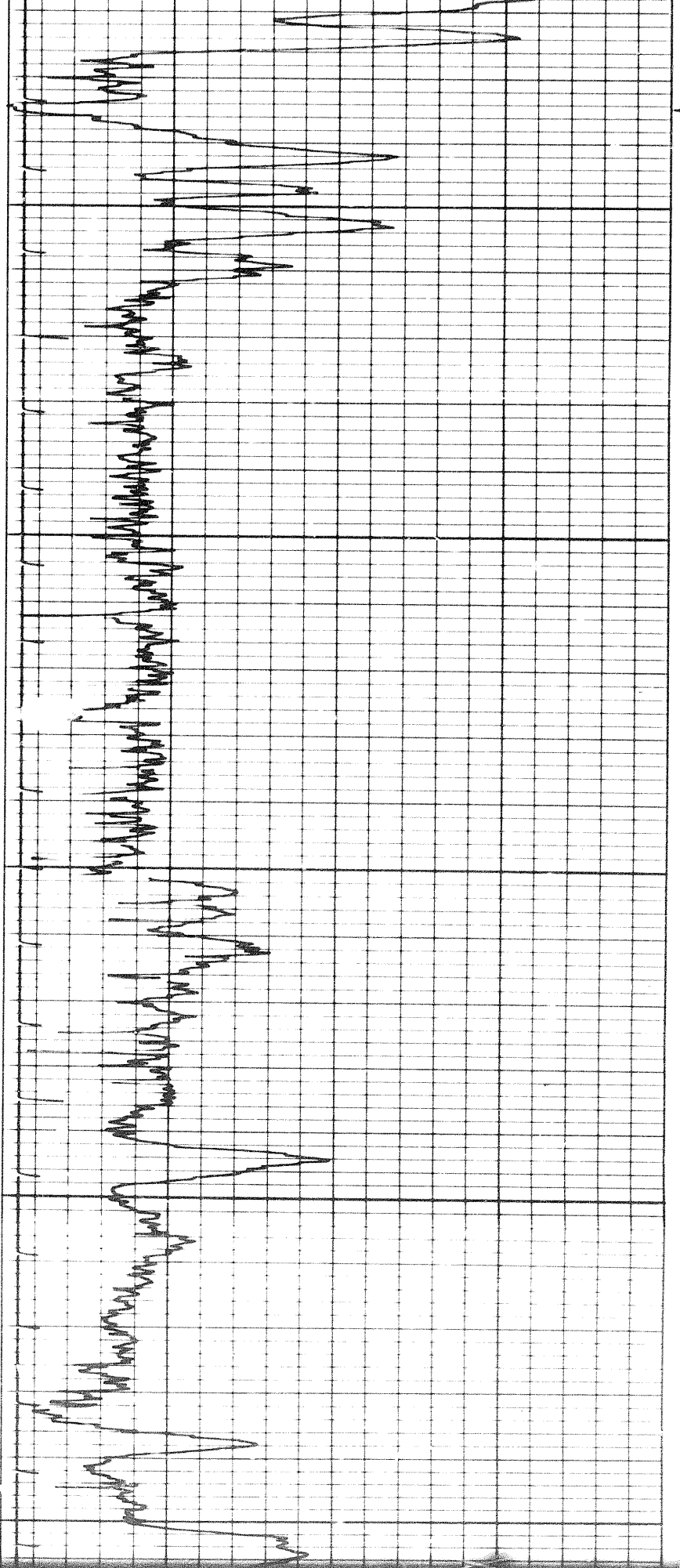


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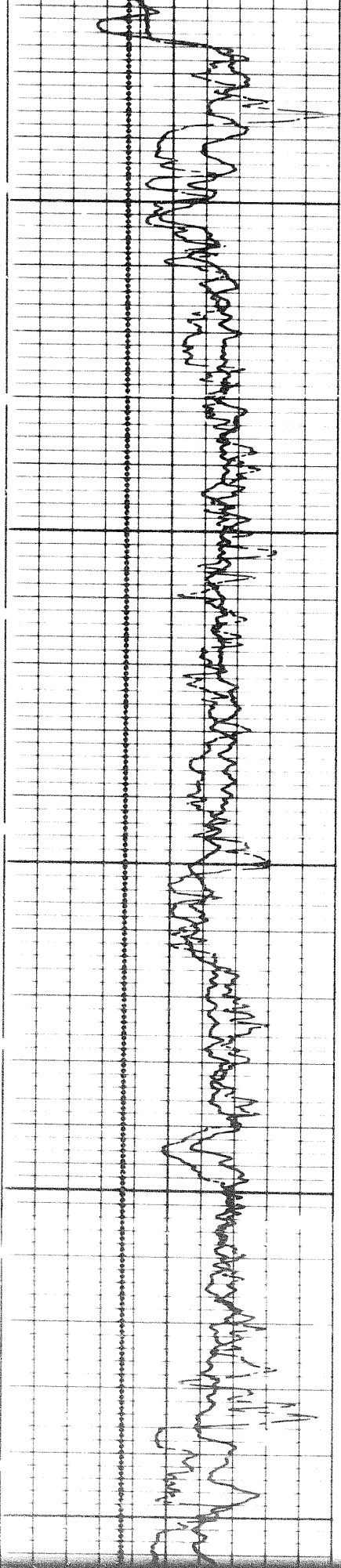
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2700

2800



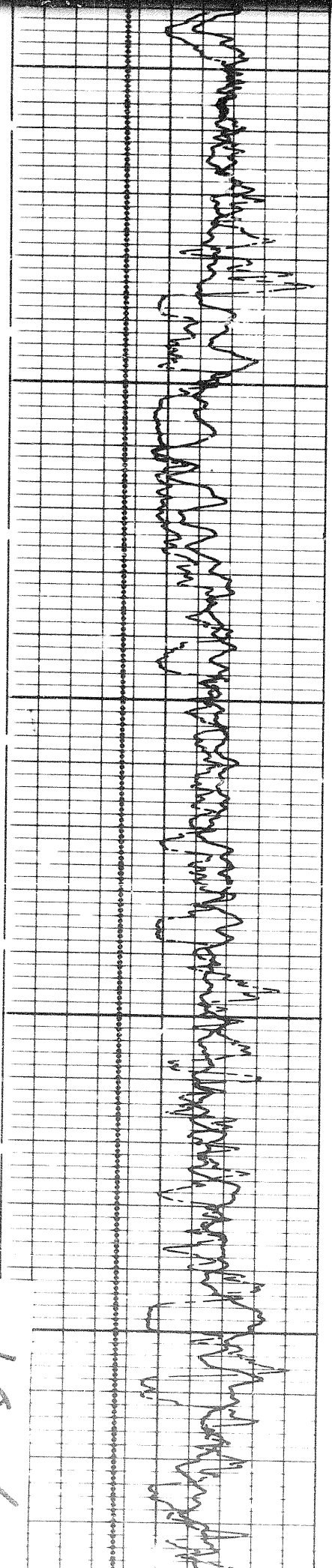
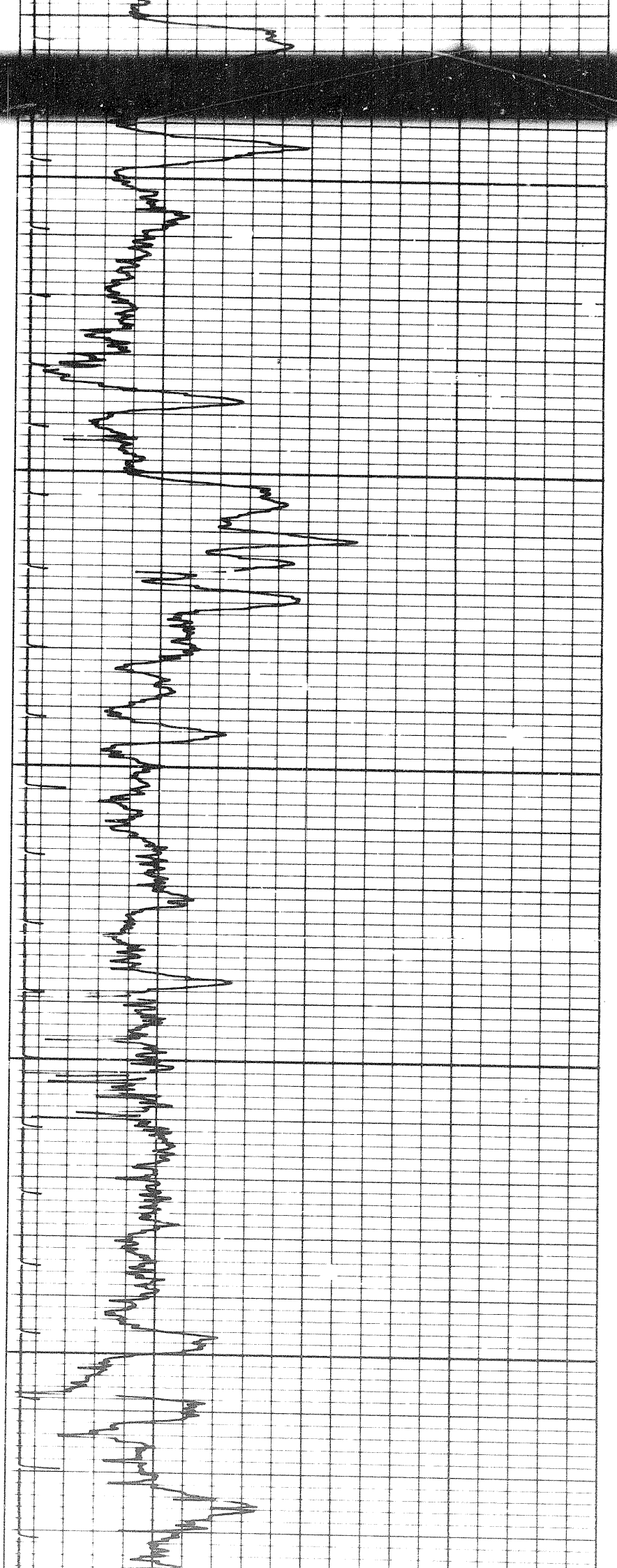
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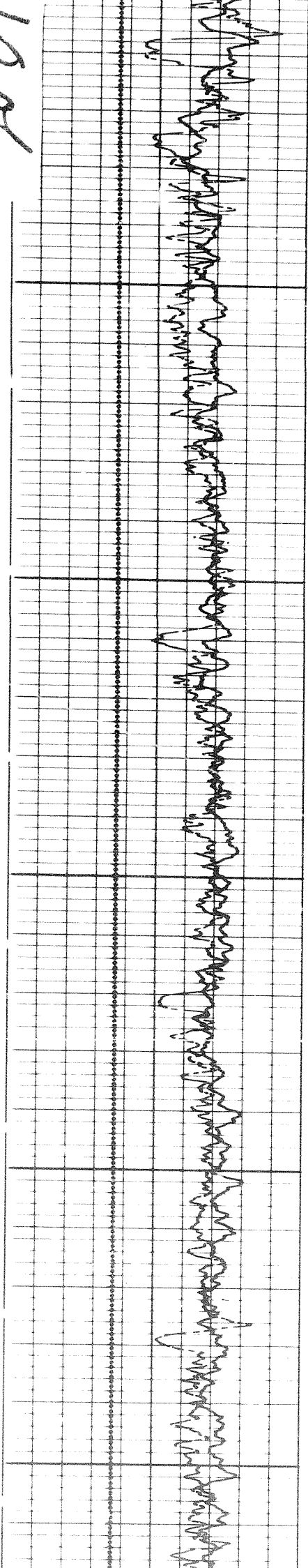
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3000



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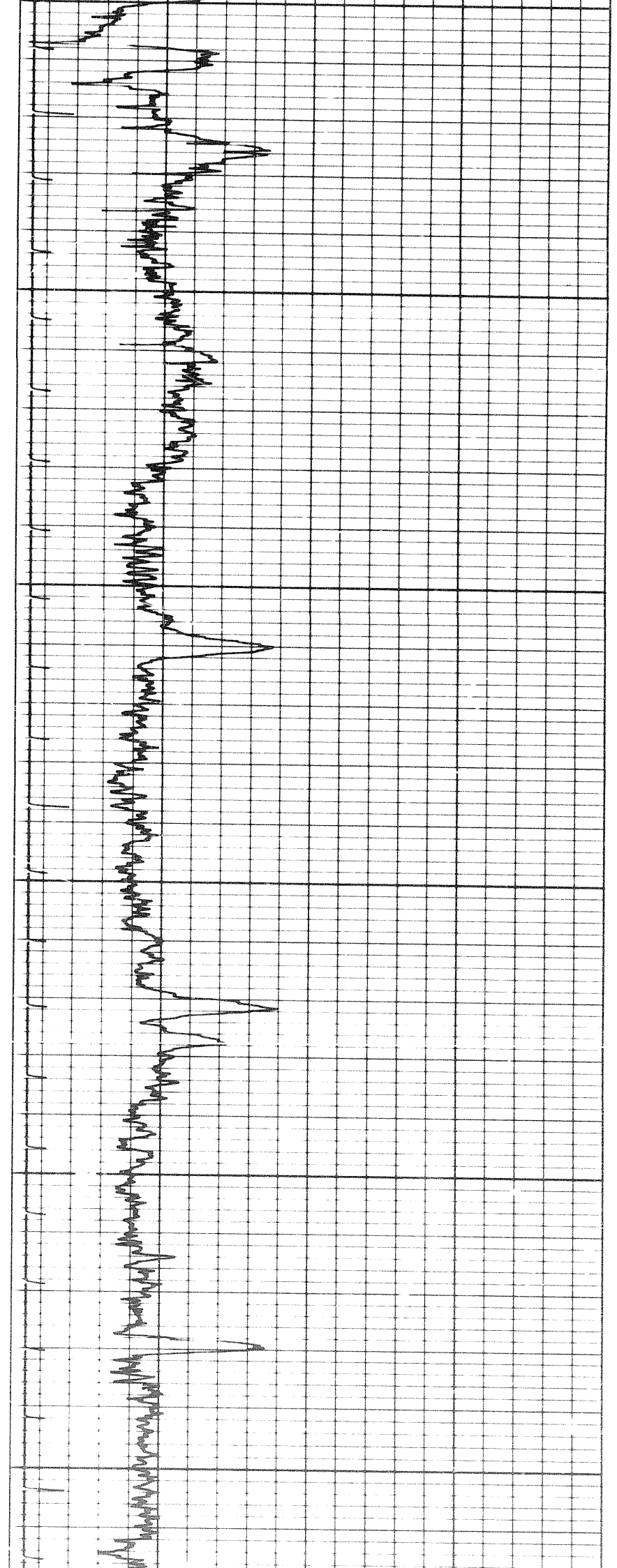
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3100

3200

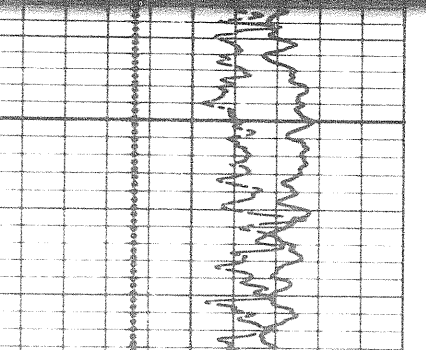
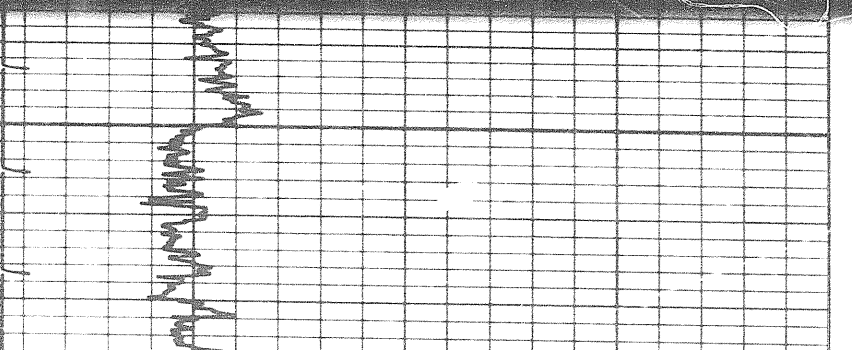
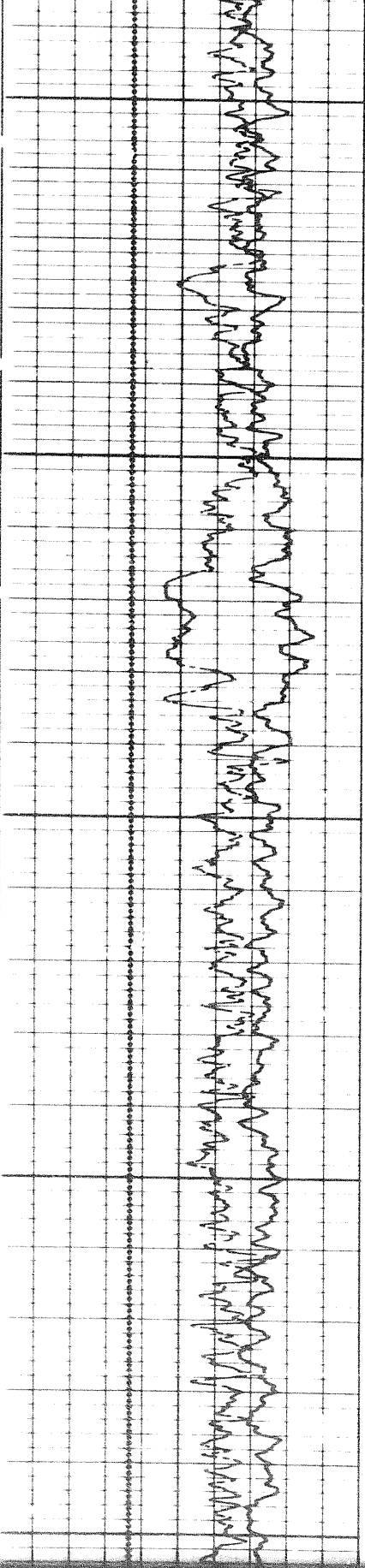
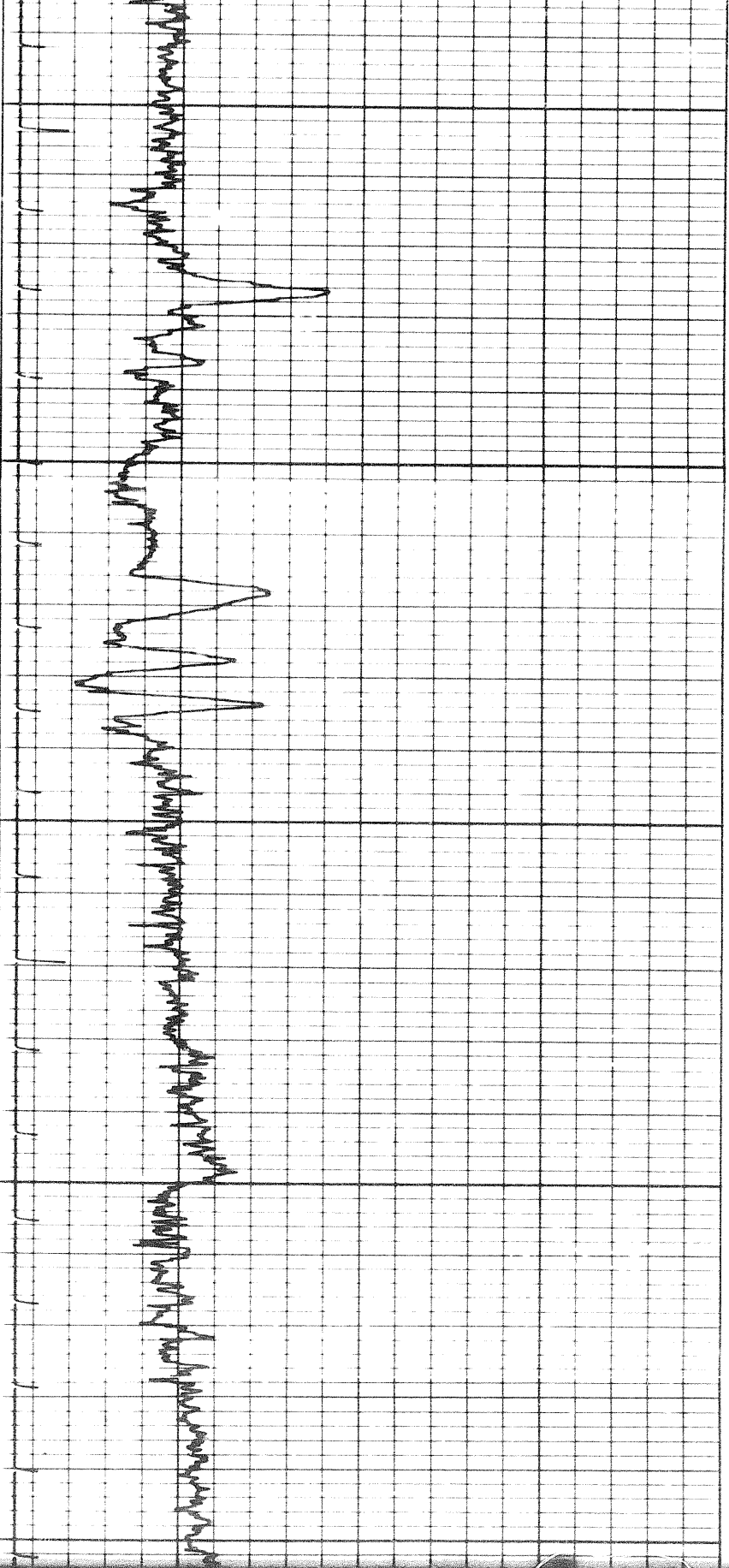
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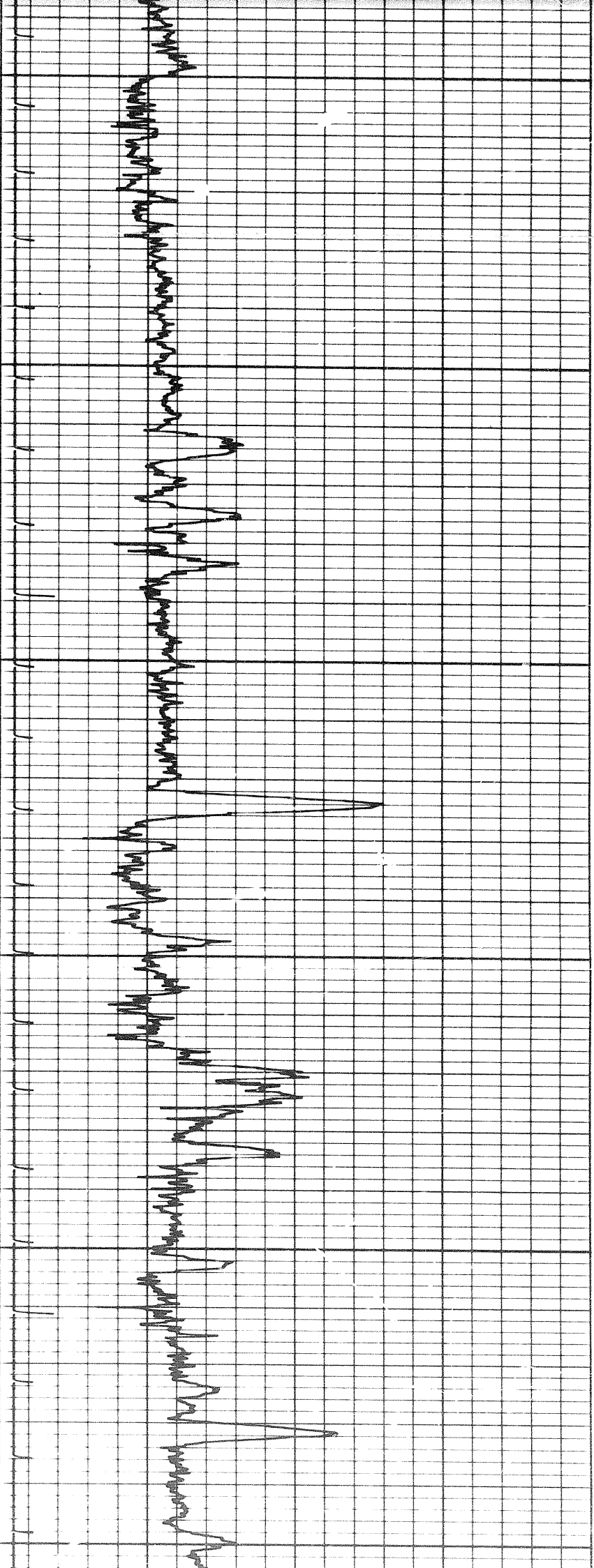


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3400

3500

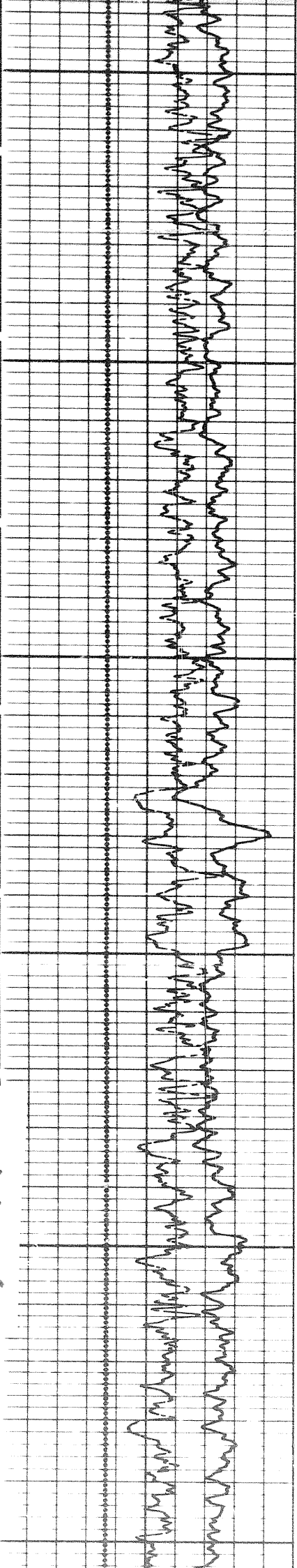




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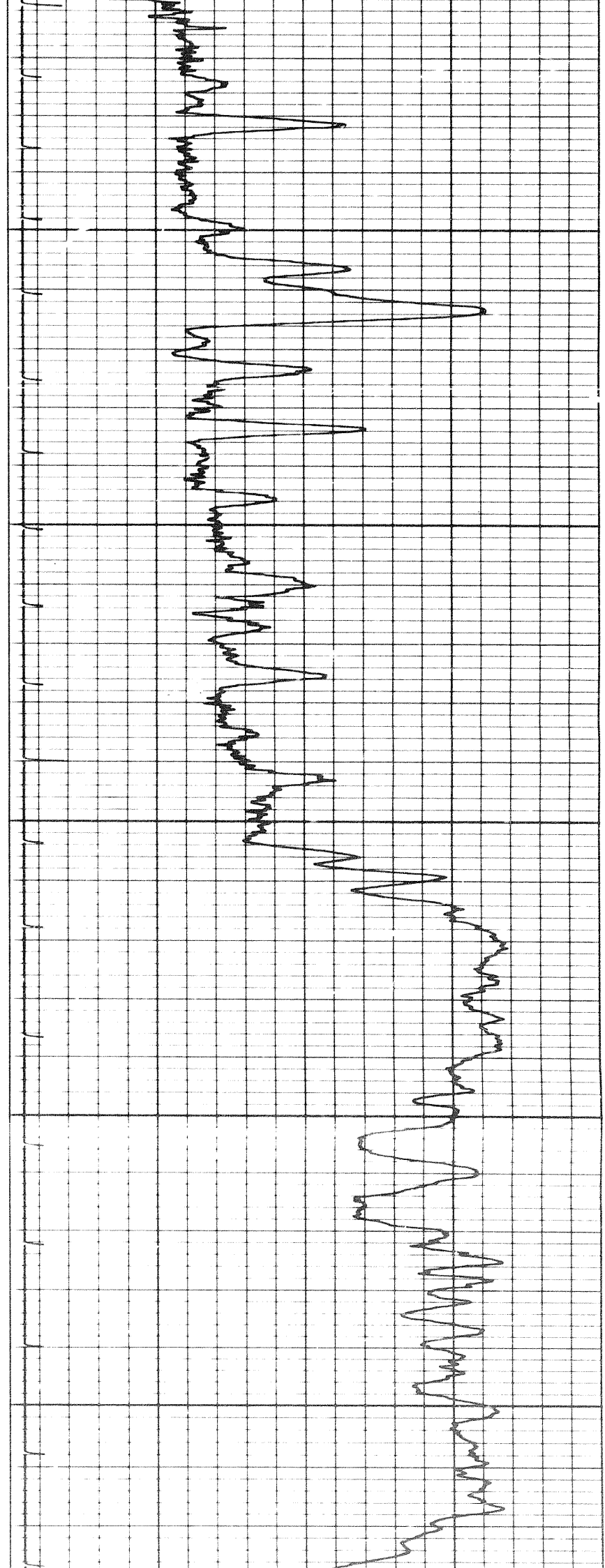
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3700



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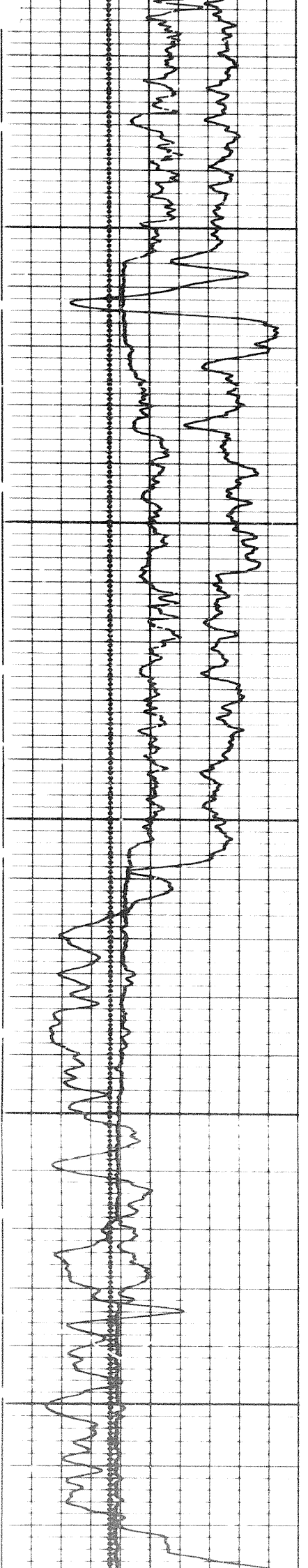
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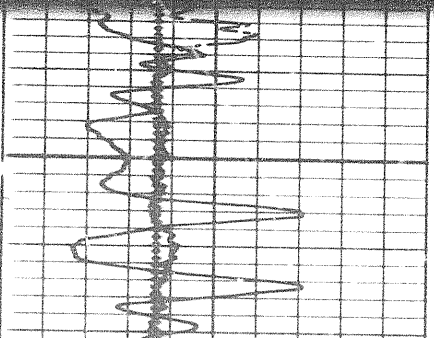
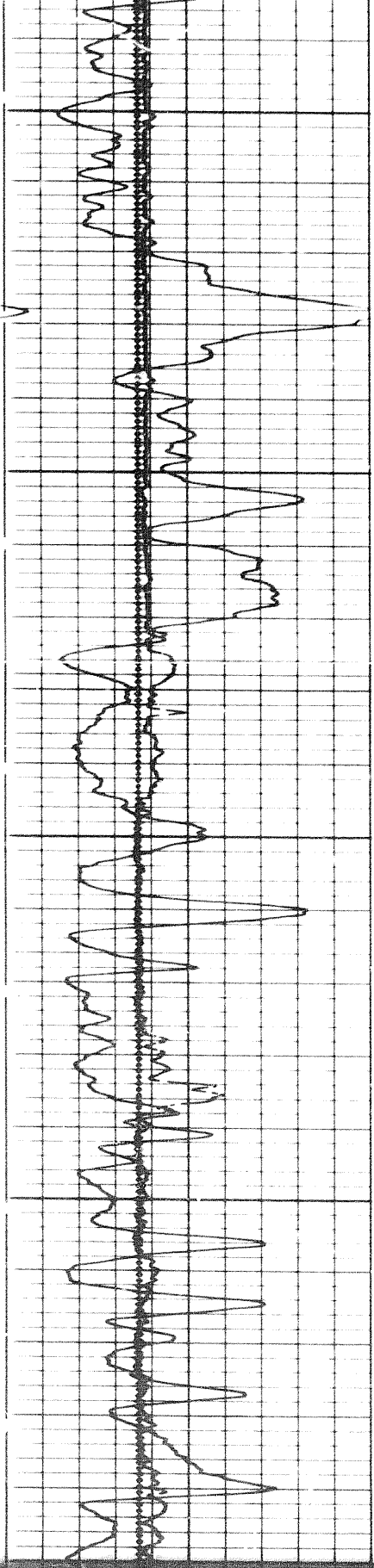
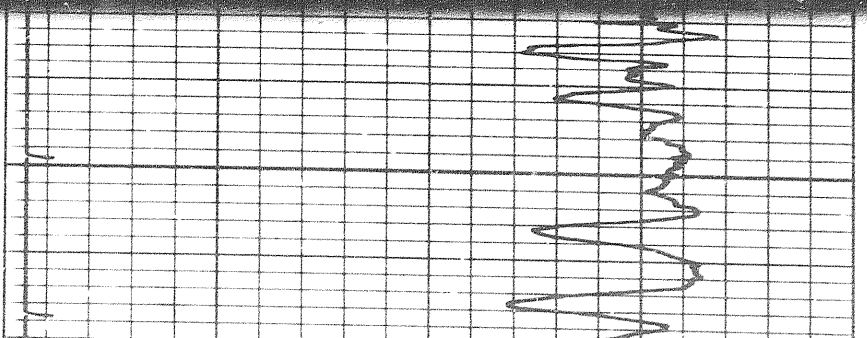
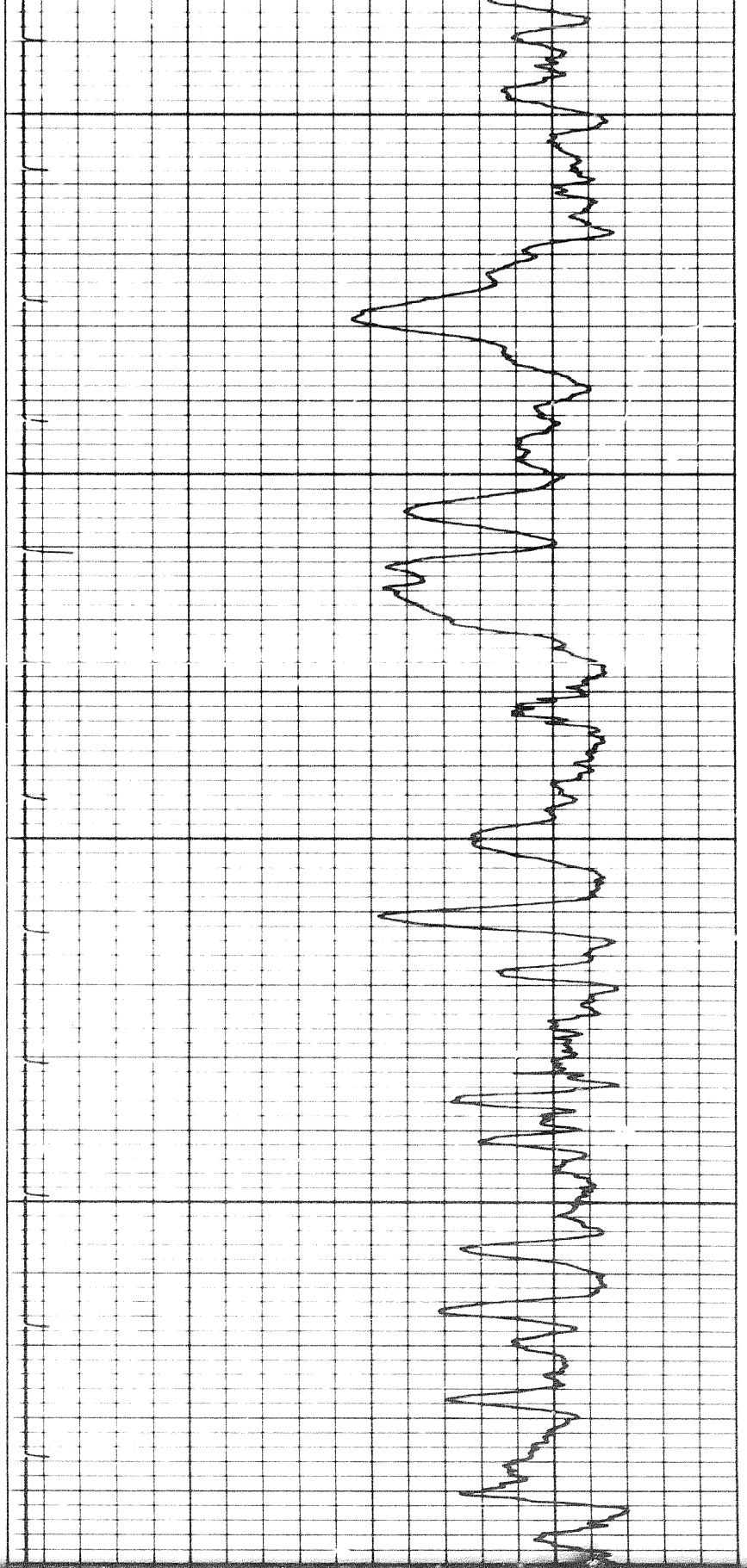


3700

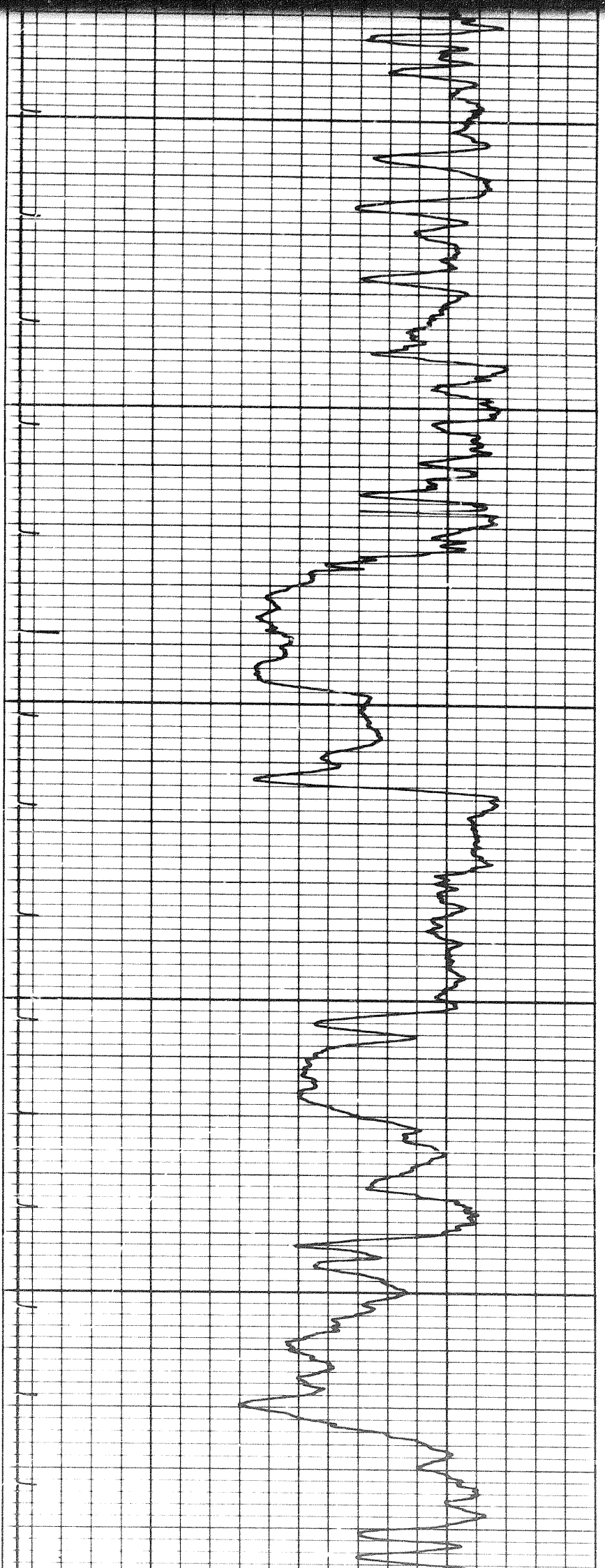
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3900



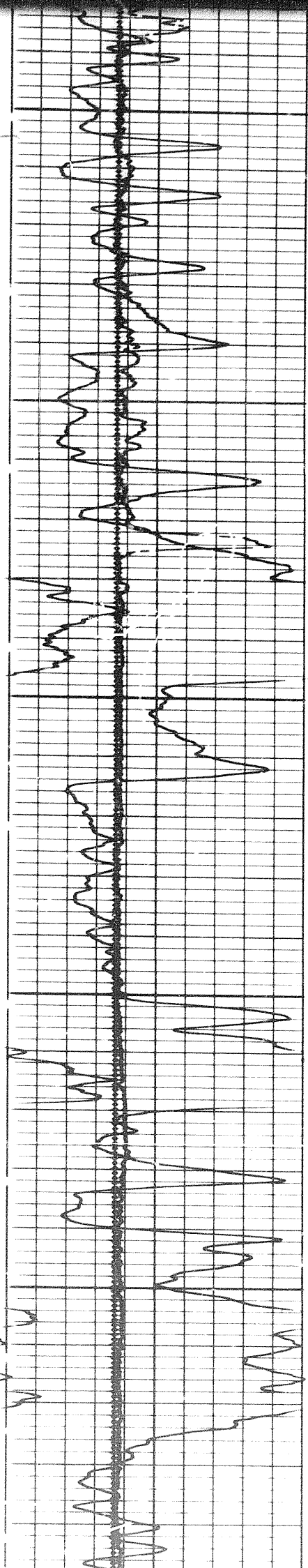


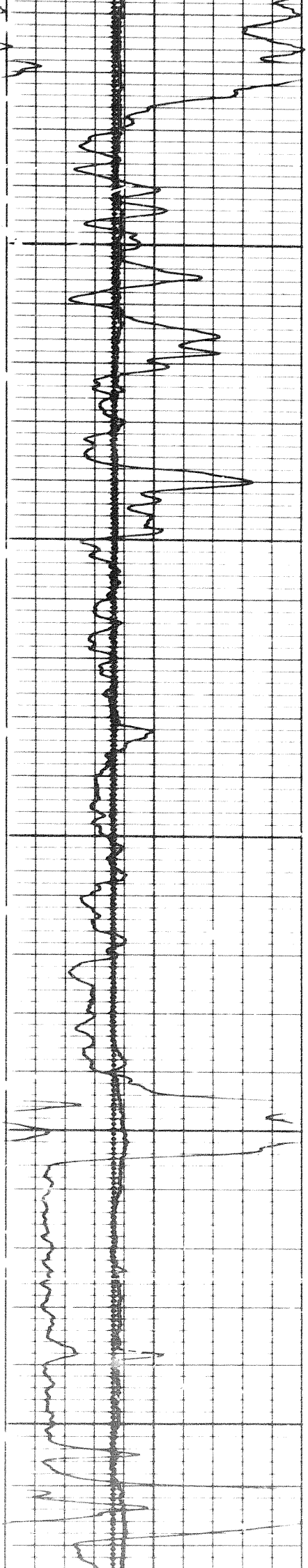
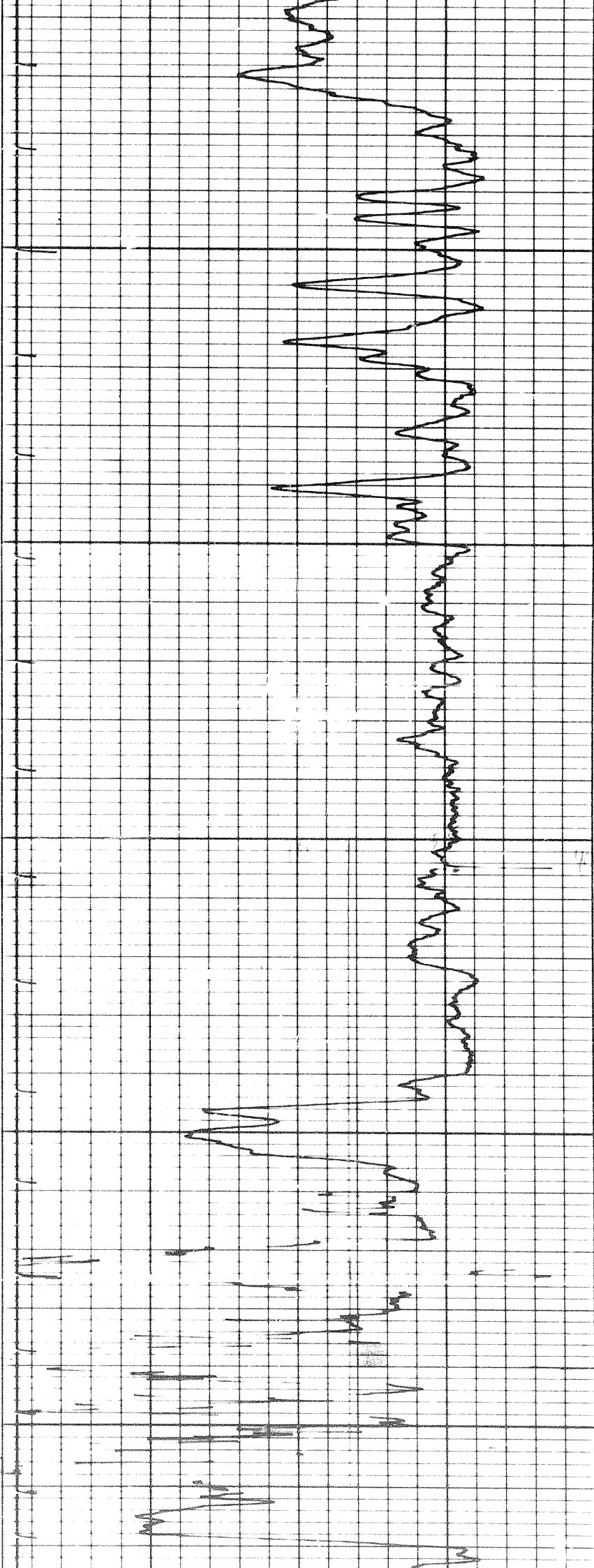
410

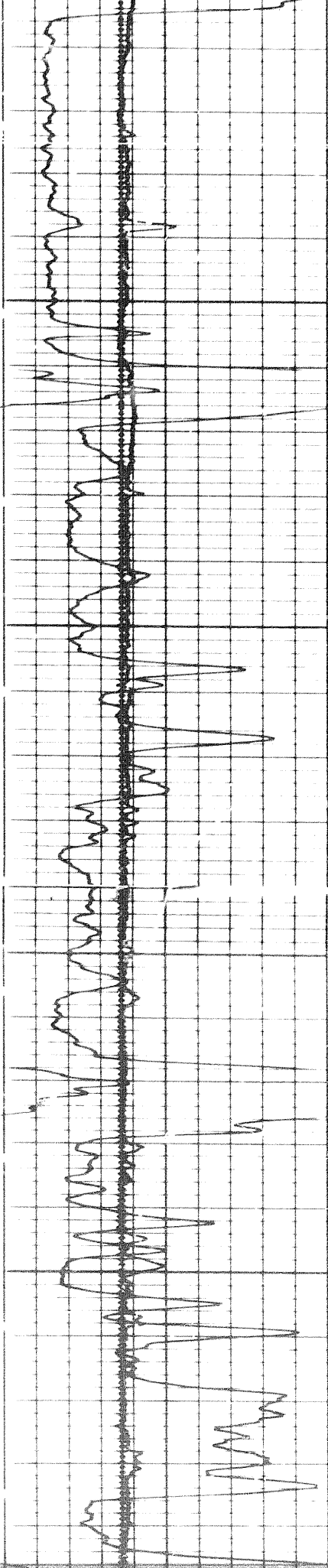


4100

4200

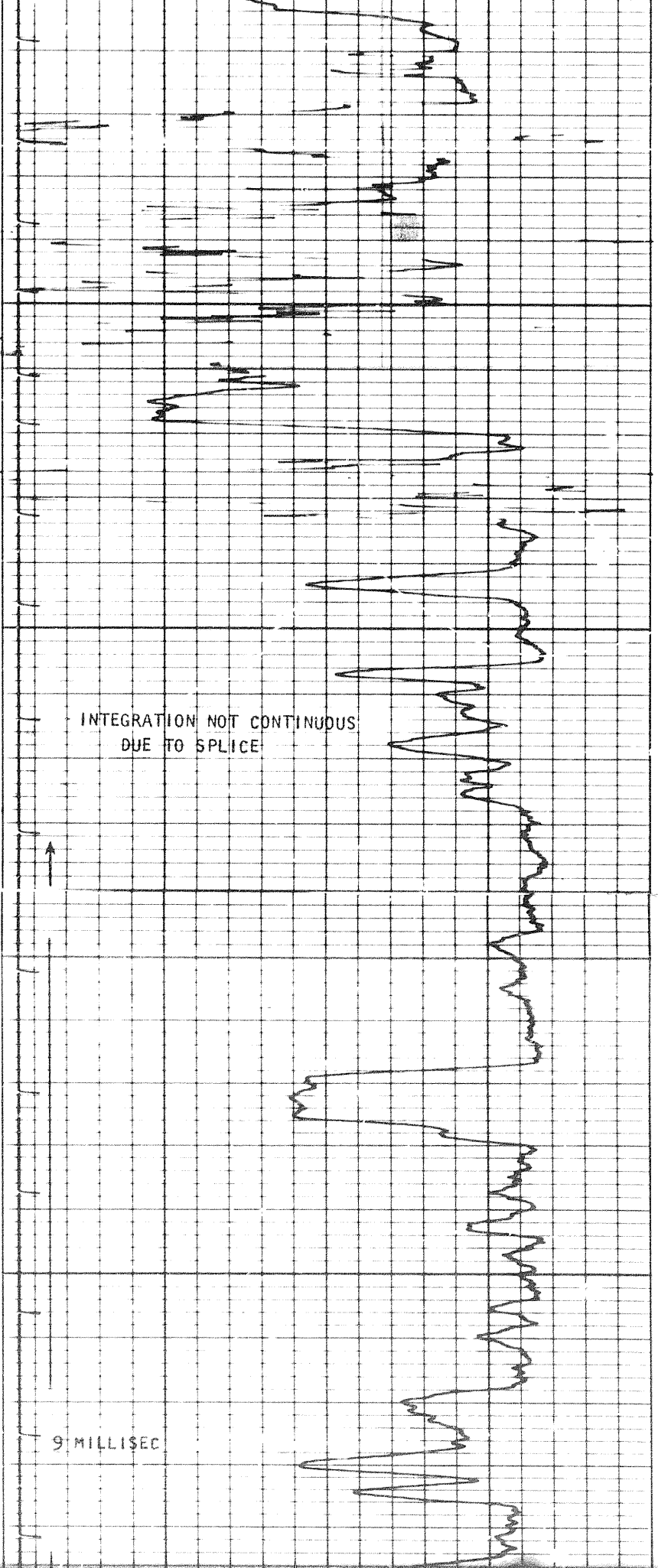






4500

4600



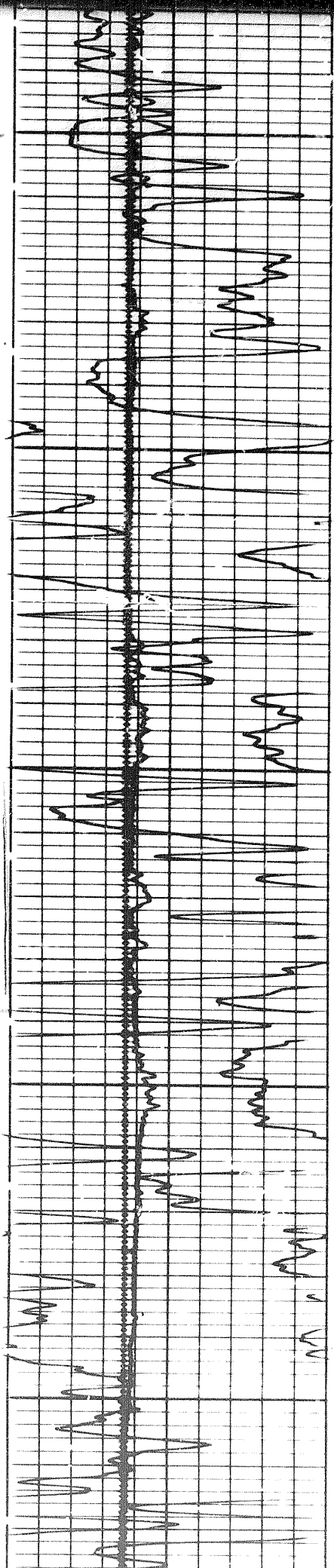
INTEGRATION NOT CONTINUOUS
DUE TO SPLICE



9 MILLISEC

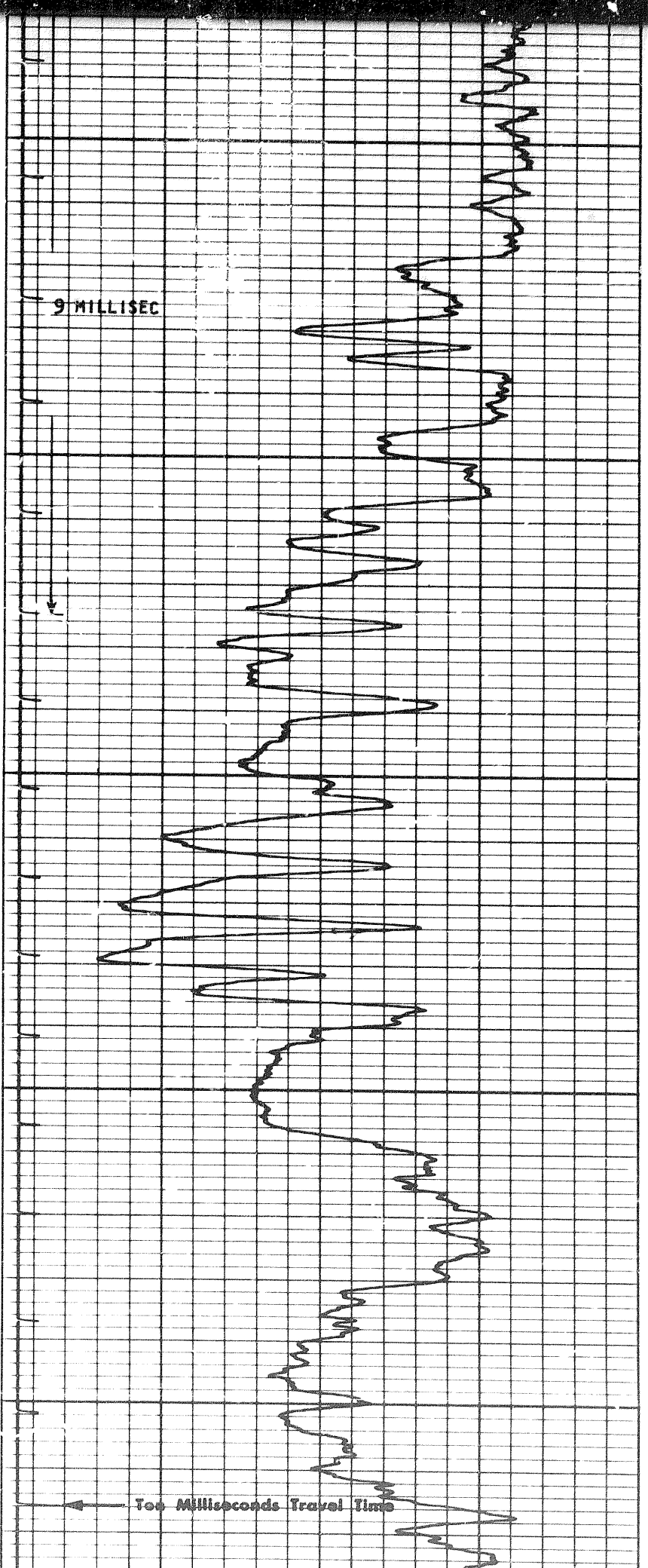
45000

13 of



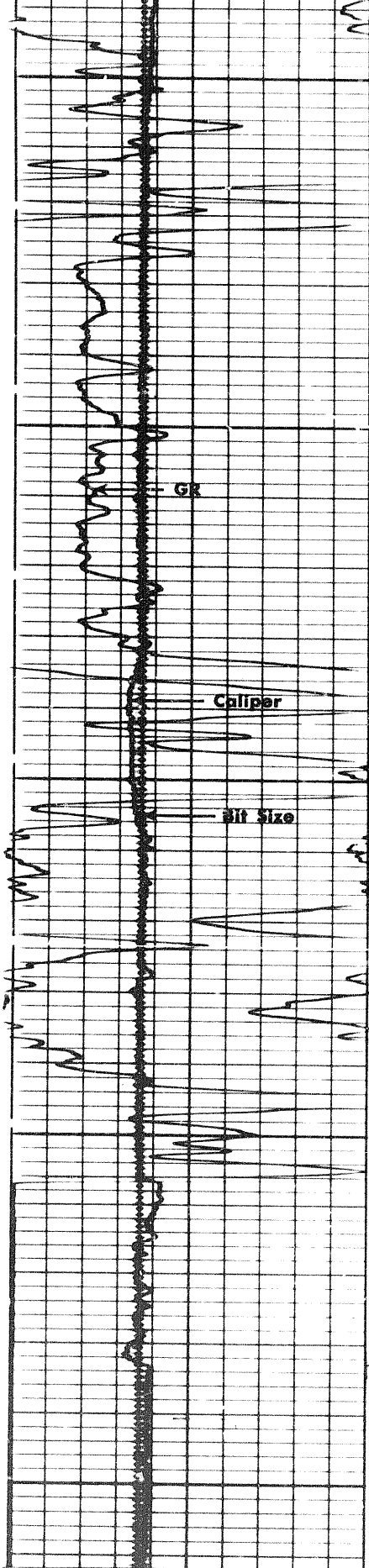
4700

4800



9 MILLISEC

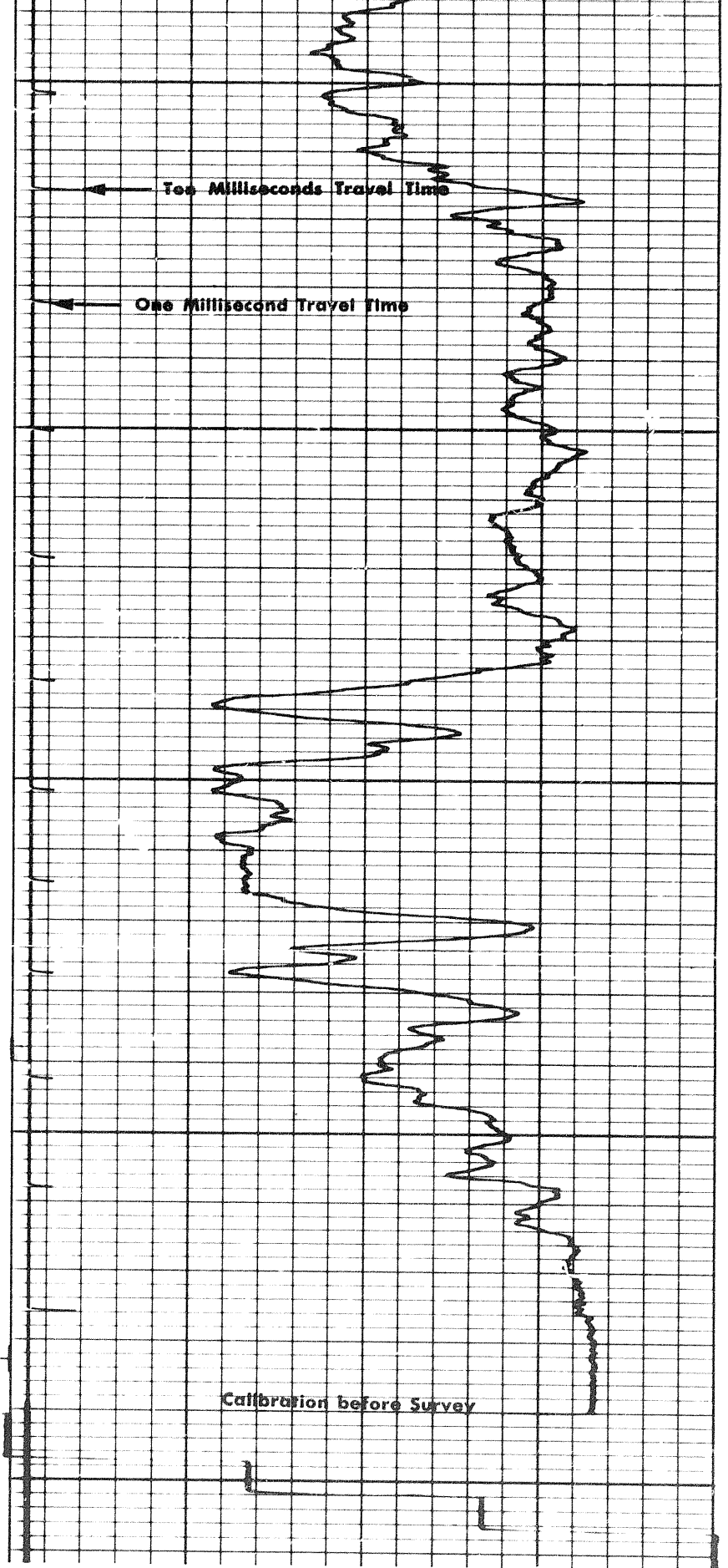
Too Milliseconds Travel Time



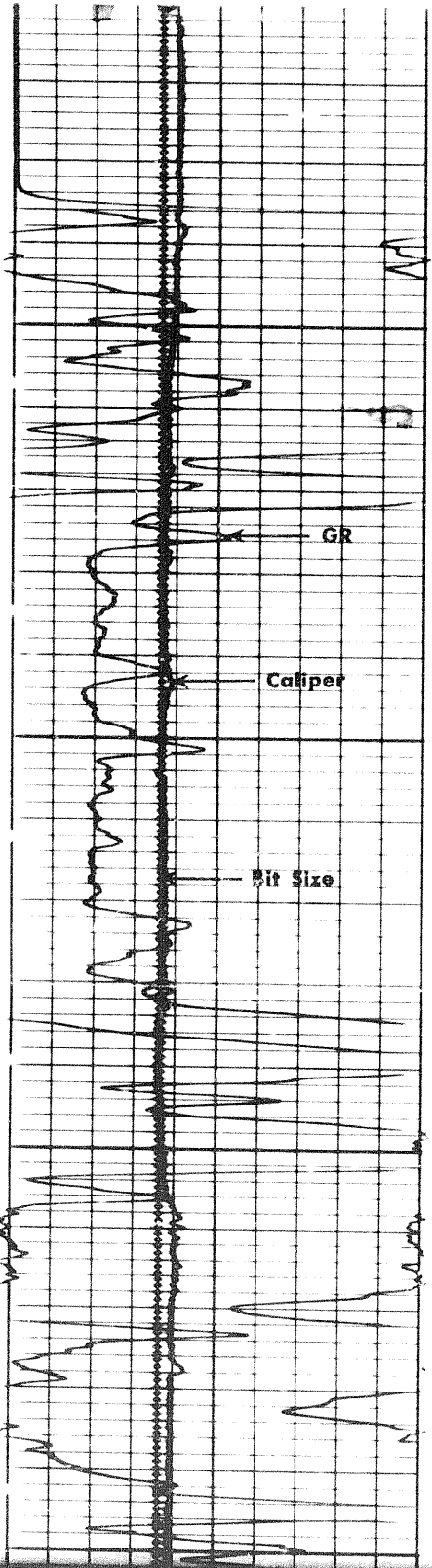
4900

5000

FR



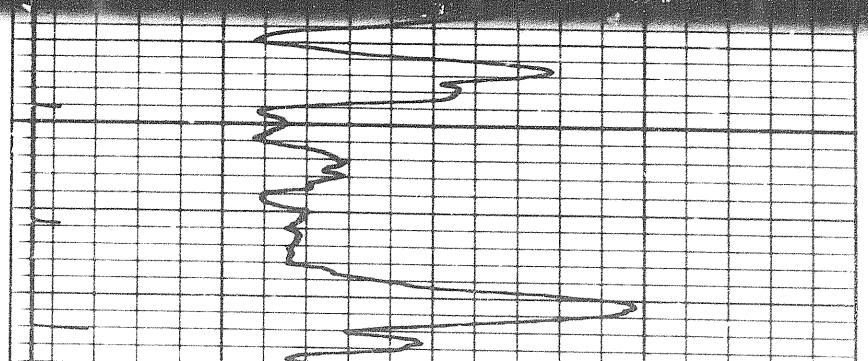
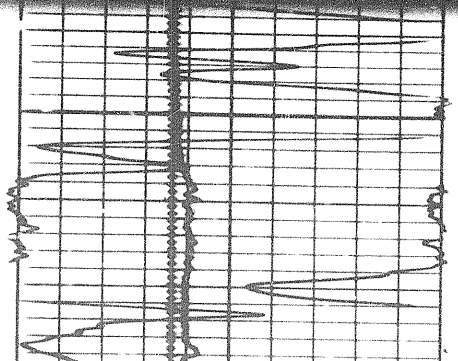
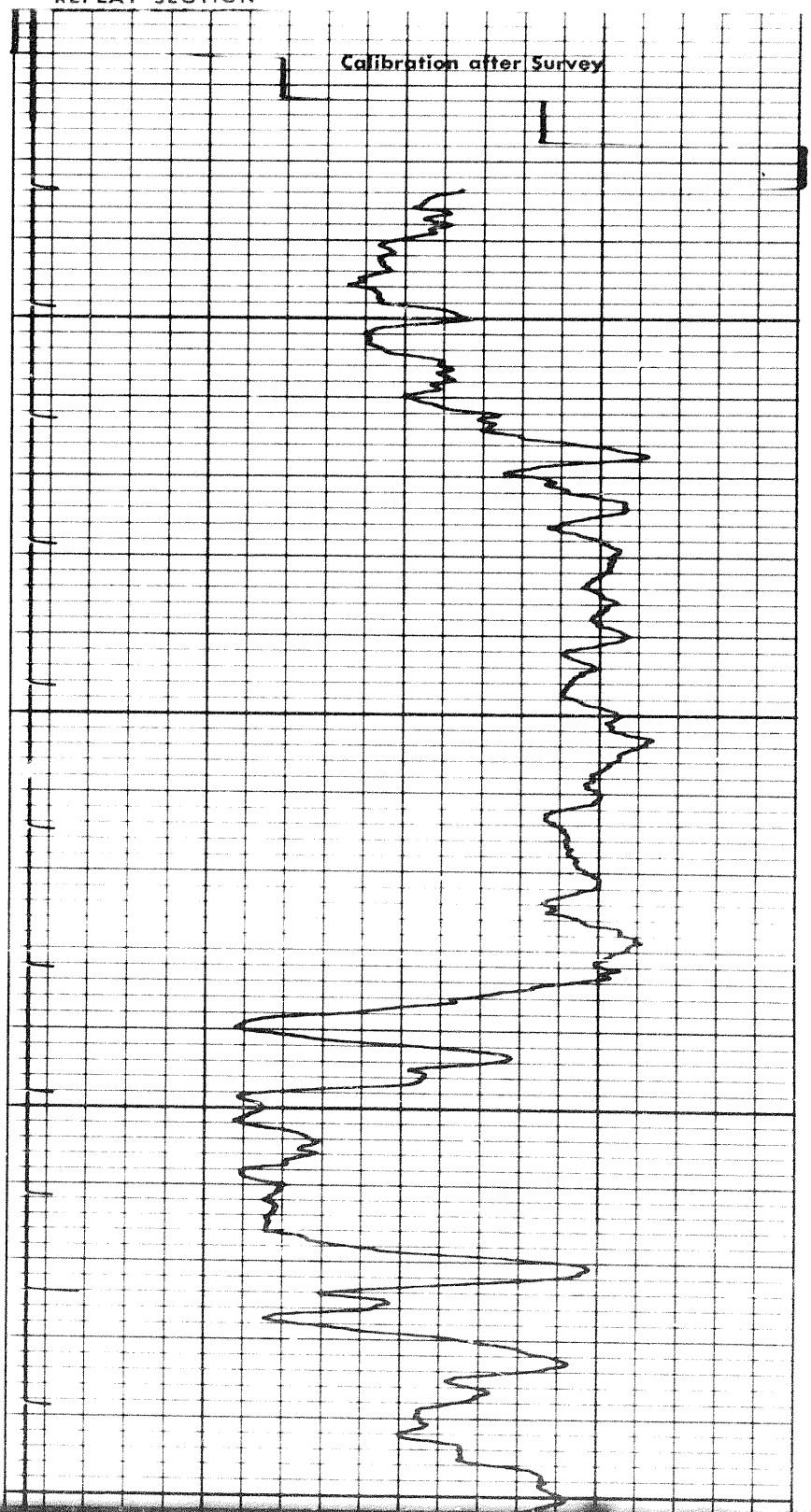
REPEAT SECTION

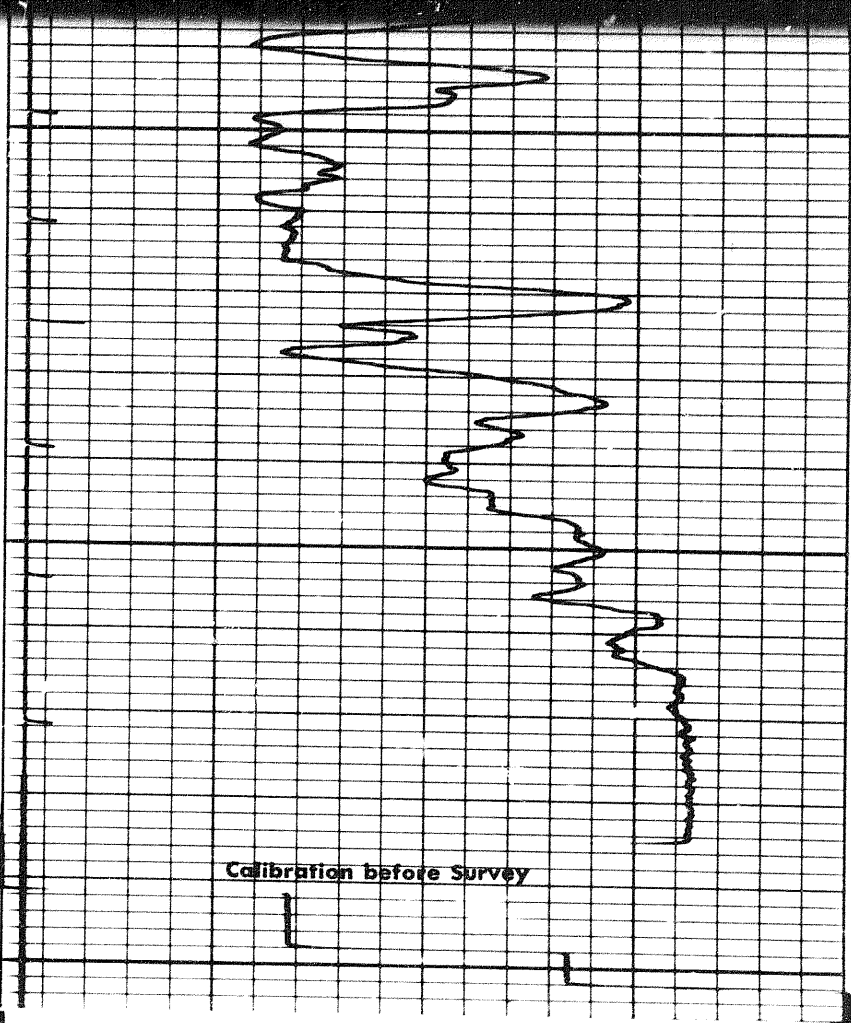
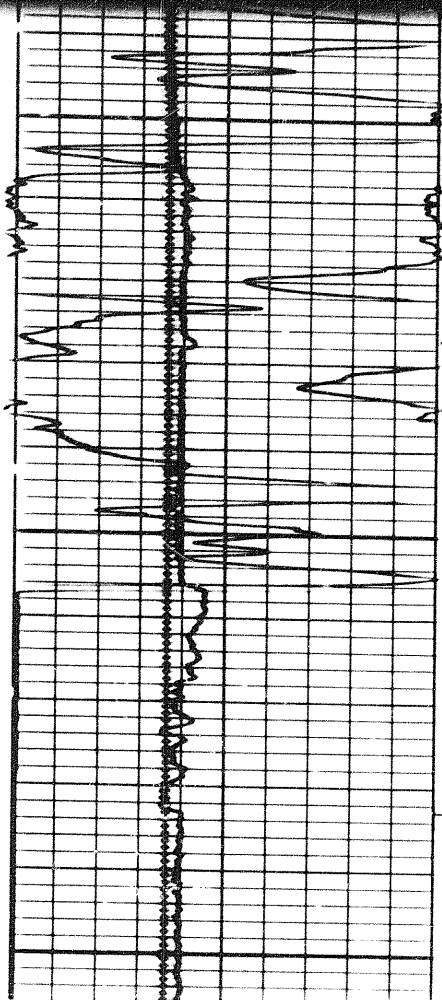


4900

5000

REPEAT SECTION





6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

Speed in FPM
 Sens. 300 T.C. 2
 Zero 0 div. to left
 0 120
 240 240

160	130	100
100	70	40

GAMMA RAY
API UNITS

DEPTH

SONIC
INTERVAL TRANSIT TIME
microseconds per foot

DETAIL LOG
5" = 100' RUN #2

GAMMA RAY
API UNITS

DEPTH

SONIC
INTERVAL TRANSIT TIME
microseconds per foot

Speed in FPM
 Sens. 500 T.C. 1
 Zero 0 div. to left
 0 200
 200 400

100	70	40
160	130	100

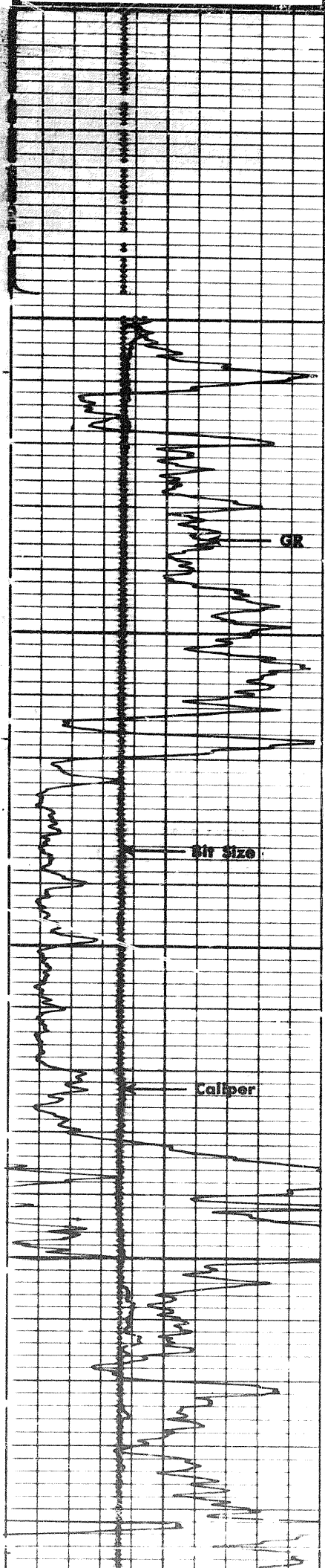
CALIPER
hole diameter in inches

6 7 8 9 10 11 12 13 14

Calibration after Survey

hole diameter in inches

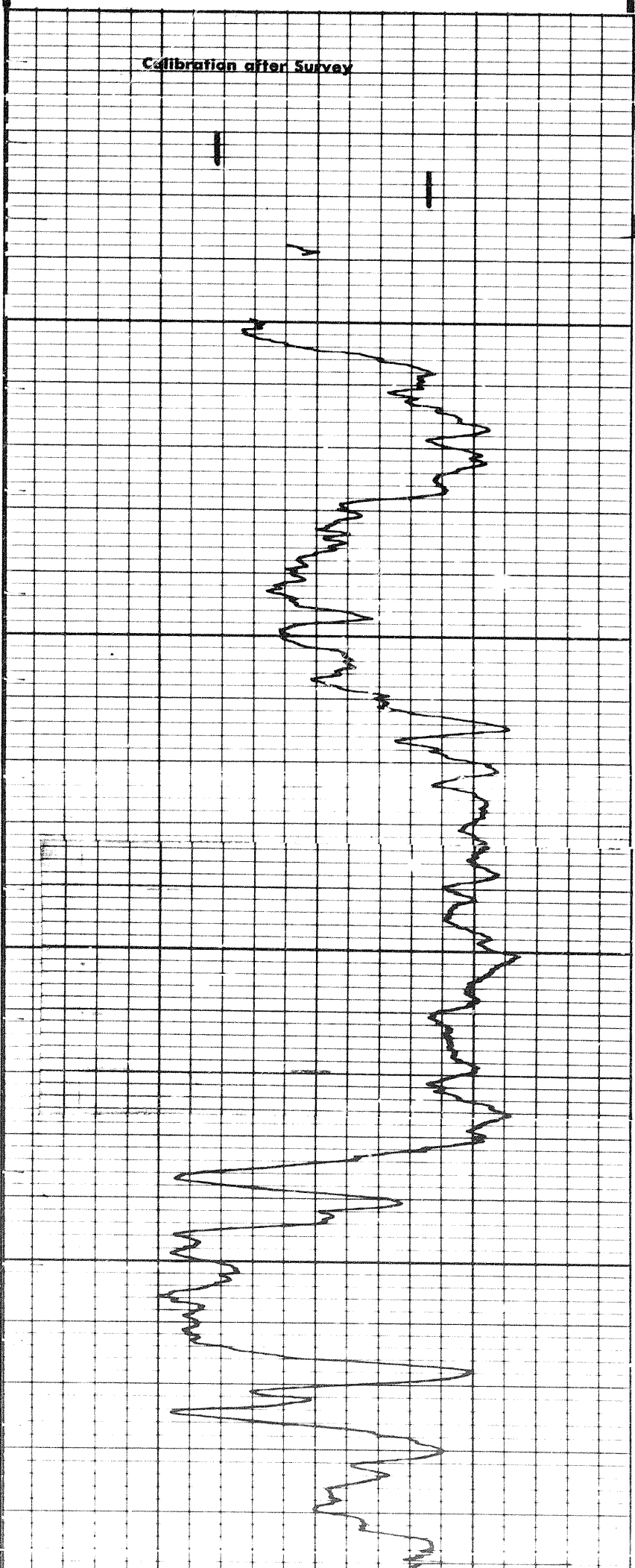
6 7 8 9 10 11 12 13 14

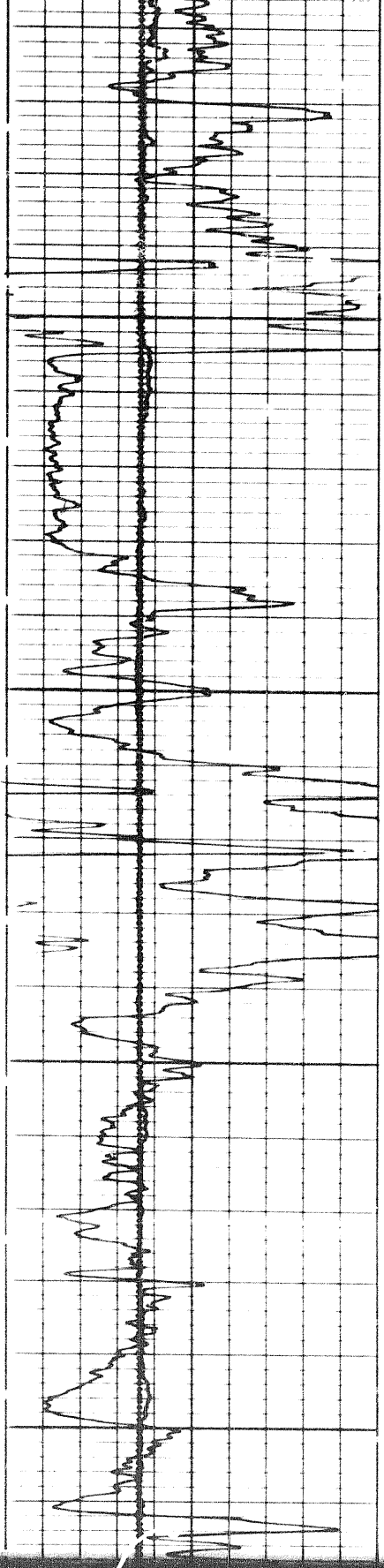


4800

4900

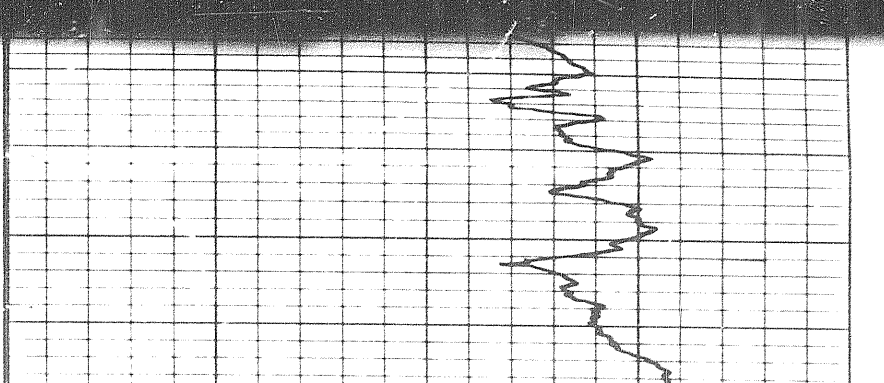
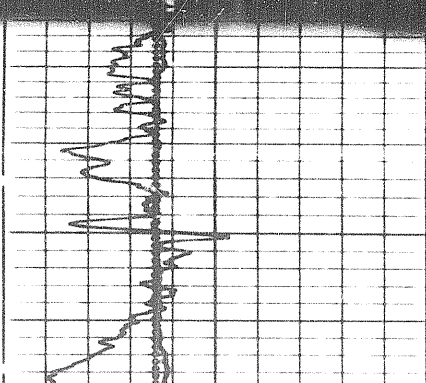
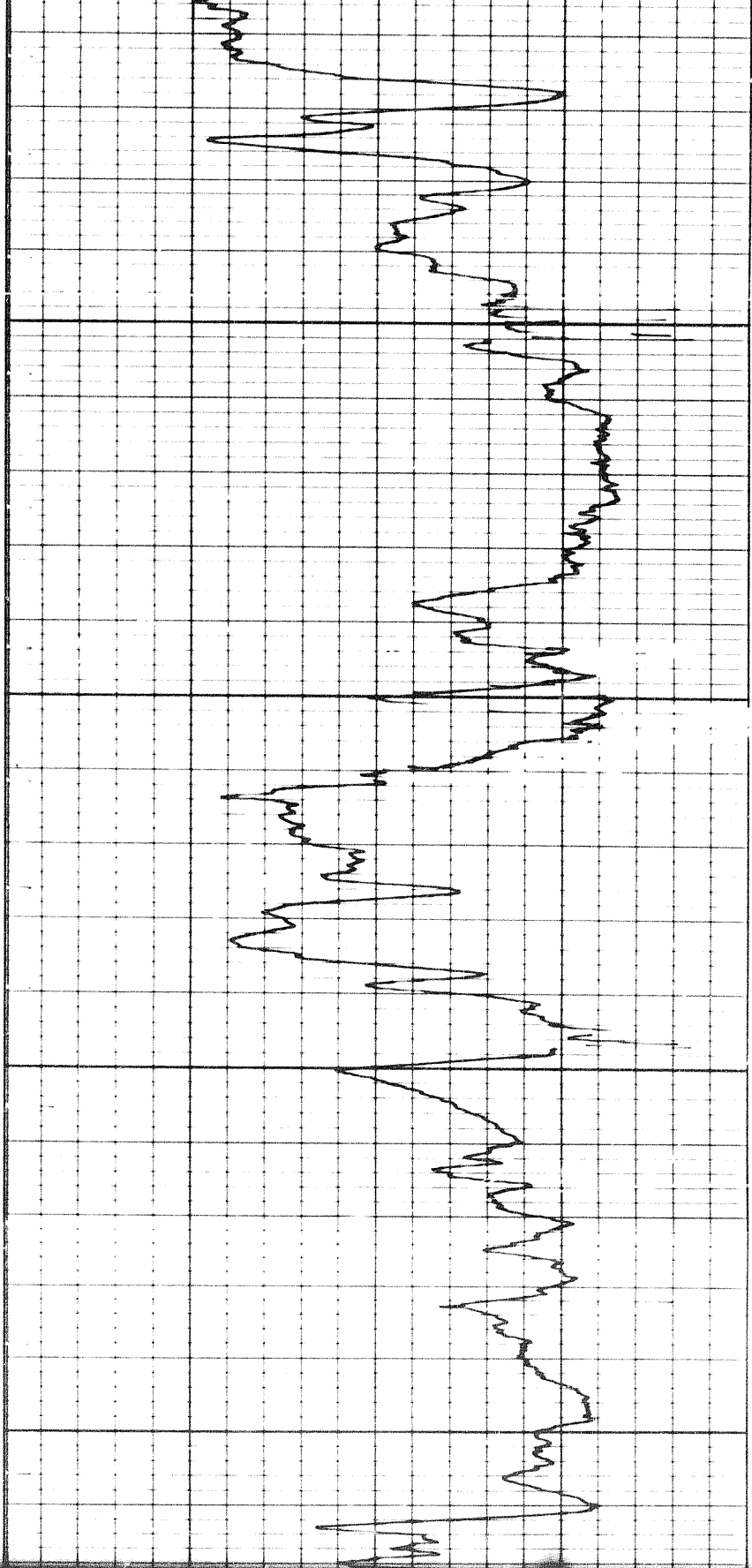
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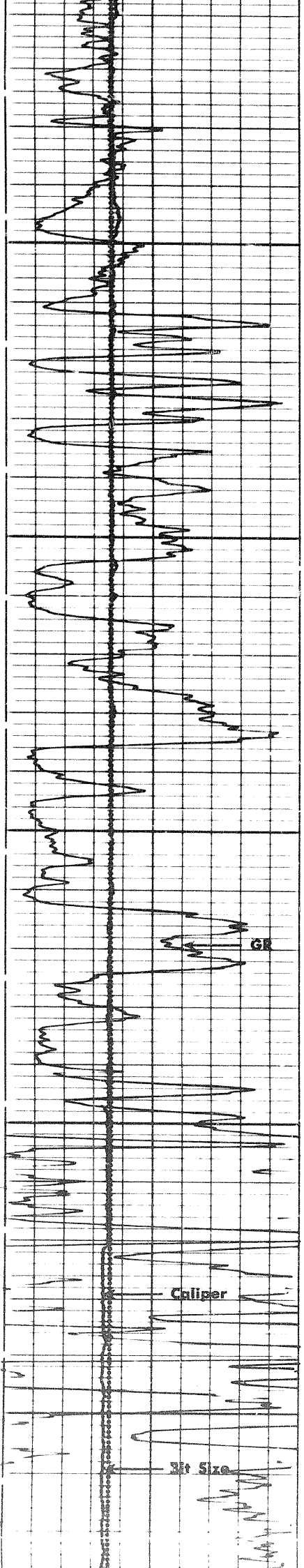


5000

5100

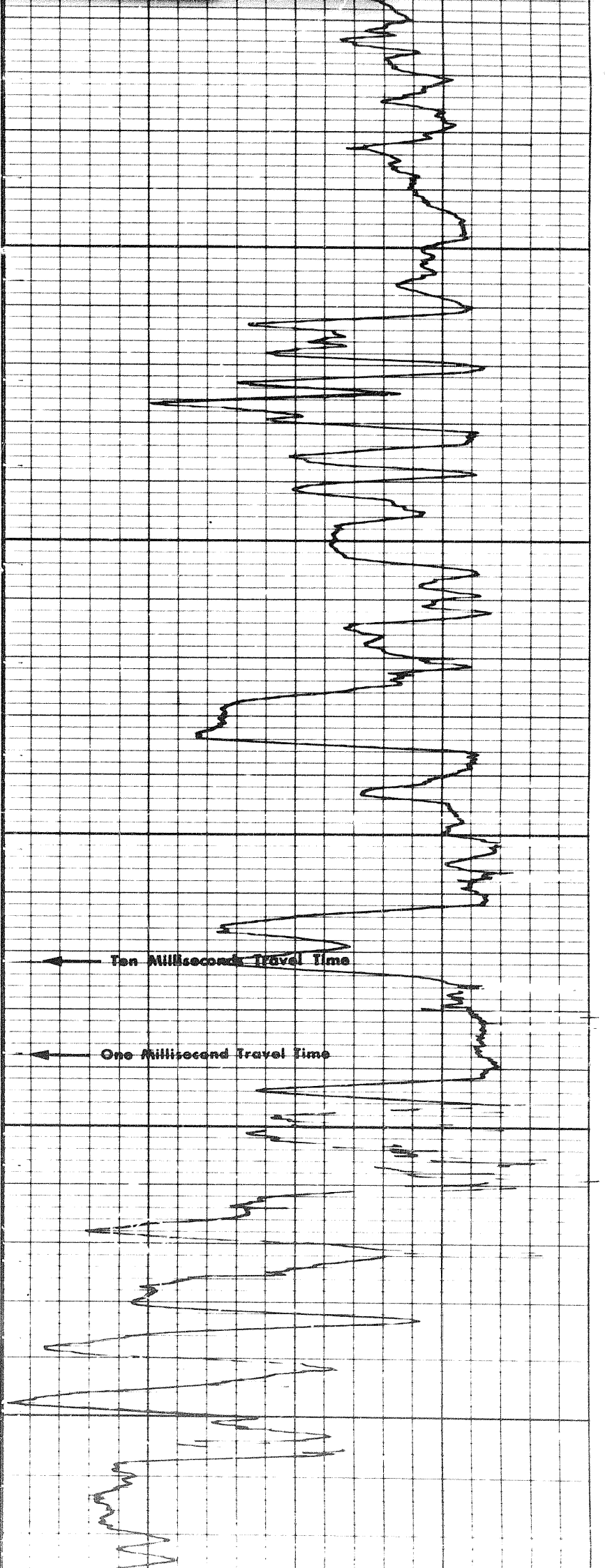


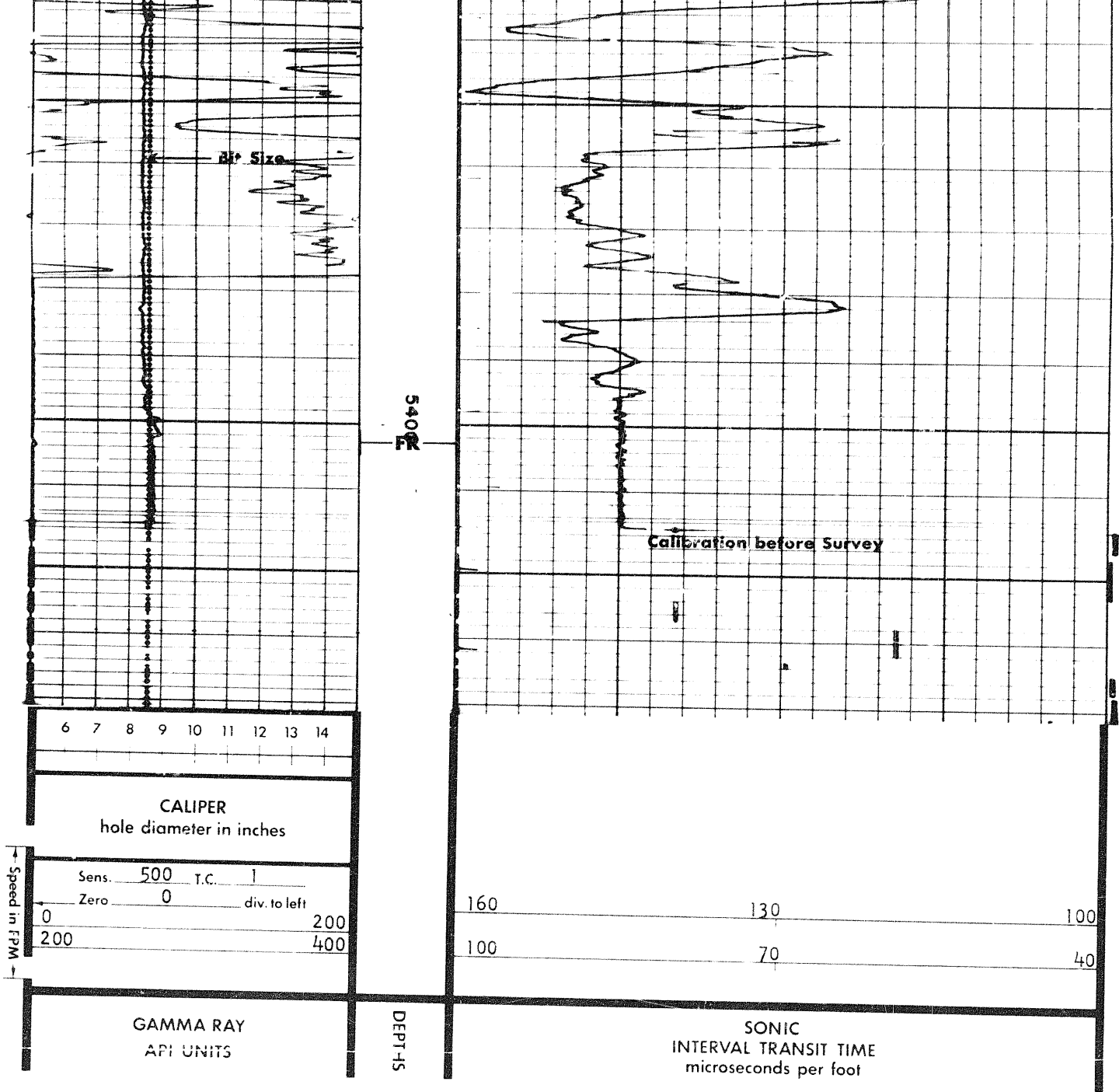
15 of 15



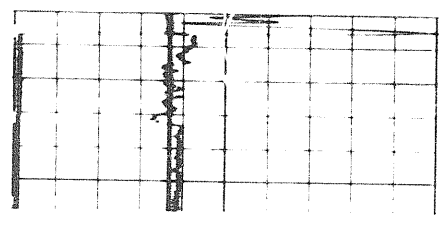
5200

5300

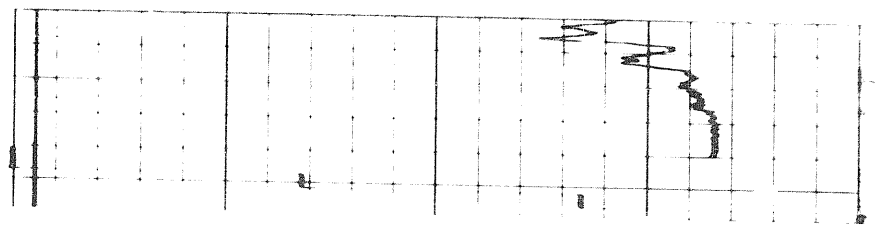




RUN #1 OVERLAP

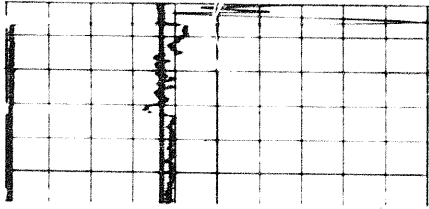


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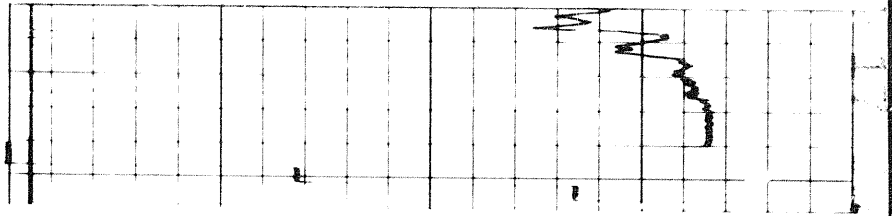


RUN TWO OVERLAP

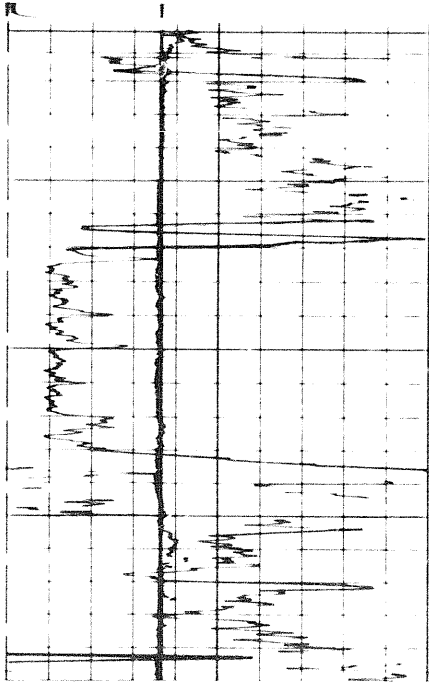
RUN #1 OVERLAP



00



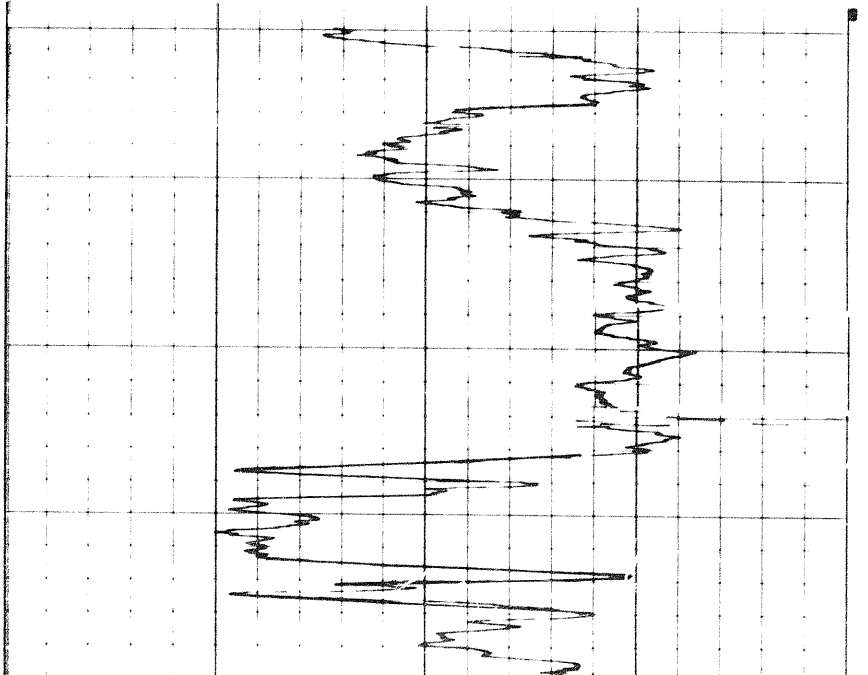
RUN TWO OVERLAP



4800

4900

50



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