

Schlumberger

INDUCTION ELECTRICAL 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.

Date	24 MAY 65	3 JUNE 65
Run No.	ONE	TWO
First Reading	5039	5404
Last Reading	600	4800
Feel Measured	4439	604
Depth Reached	5040	5405
Bottom Driller	5052	5413
Csg SOC	600	600
Csg Driller	600	600
Mud Nature	GEL - CHEM	GEL
Dens. Visc.	9.2 103	9.2 120
Mud pH	9.5	9.5
Water Loss	5.0	6.2
Res. @ BHT	1.64 @ 56 %	1.34 @ 50 %
Res. @ Rm	1.00 @ 92 %	0.77 @ 96 %
Res. @ Rnc	1.57 @ 50 %	0.20 @ 48 %
Res. @ Rnc	1.48 @ 66 %	2.54 @ 48 %
Bit Size	8 5/8"	8 5/8"
Spacing - AM	16"	16"
Spacing - MN	34'-6"	34'-6"
Ind. Type	6FF40	6FF40
Op. Rig Time	4 HRS.	1 HR.
Truck No.	DSU-B-3 DC	DSU-B-3
	THIESSEN	CPAIN
	CLARE	CLARE

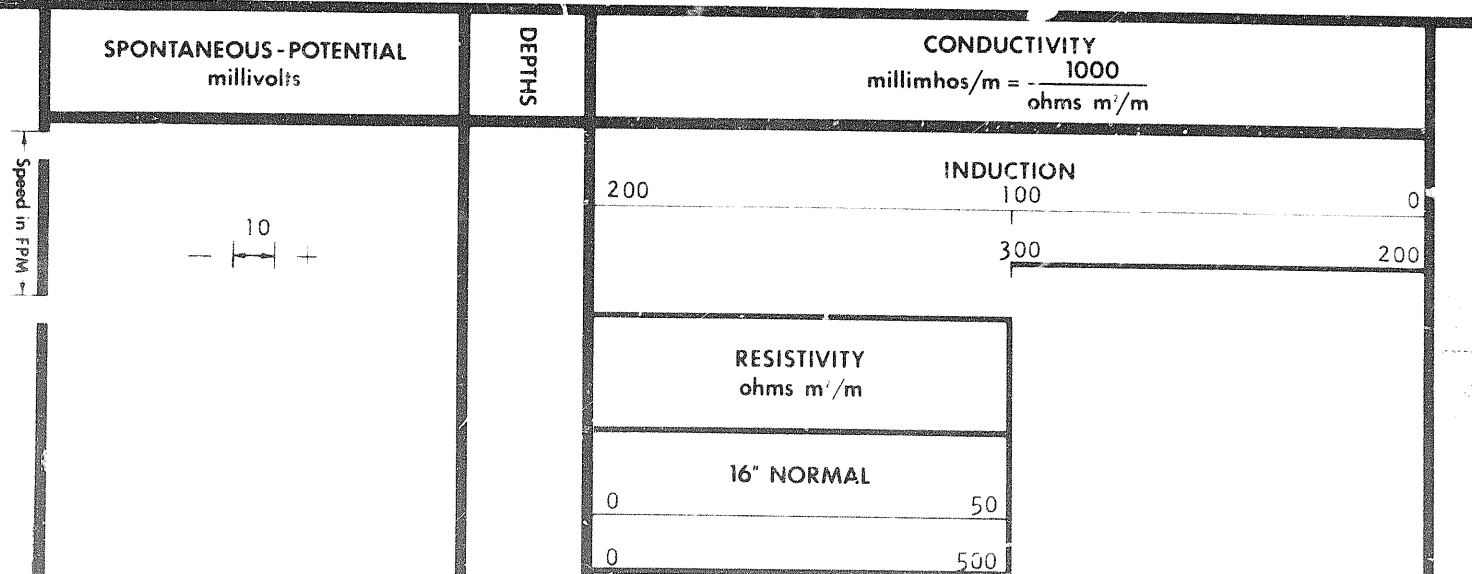
COMPANY	SOCONY MOBIL OIL OF CANADA, LTD.
WELL	SMWM BIRCH Y.T. B-34
FIELD	WILDCAT
PROVINCE	YUKON TERRITORY
LOCATION	66° 03' 03.44" N 136° 51' 17.51" W
Permanent Datum	G.L. Elev. 2177
Log Measured From	K.B. 13 Ft. Above Perm. Datum
Other Services:	SGR-C, ML, CST
	CDM, SRS
	ELEV. KB 2190
	GL 2177
	CBF

16JUNE65 CAL MR

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 : 1600 / 3rd : B.H.T. 92 %
RUN#2 96

Stand Off - Inches	1.5
Cartridge No.	
Panel No.	F-97
Sonde No.	
IAP-D No.	124
SBR	4
	RUN #2 2

RUN# 1 * SP SERIOUSLY AFFECTED BY STRAY CURRENTS
TRIED OBTAINING S.P. WITH ALL RIG EQUIPMENT SHUT OFF
DIFFERENT LOCATIONS FOR THE GROUND & WITH UNIT
GROUNDED TO RIG WITH NO BETTER RESULTS.

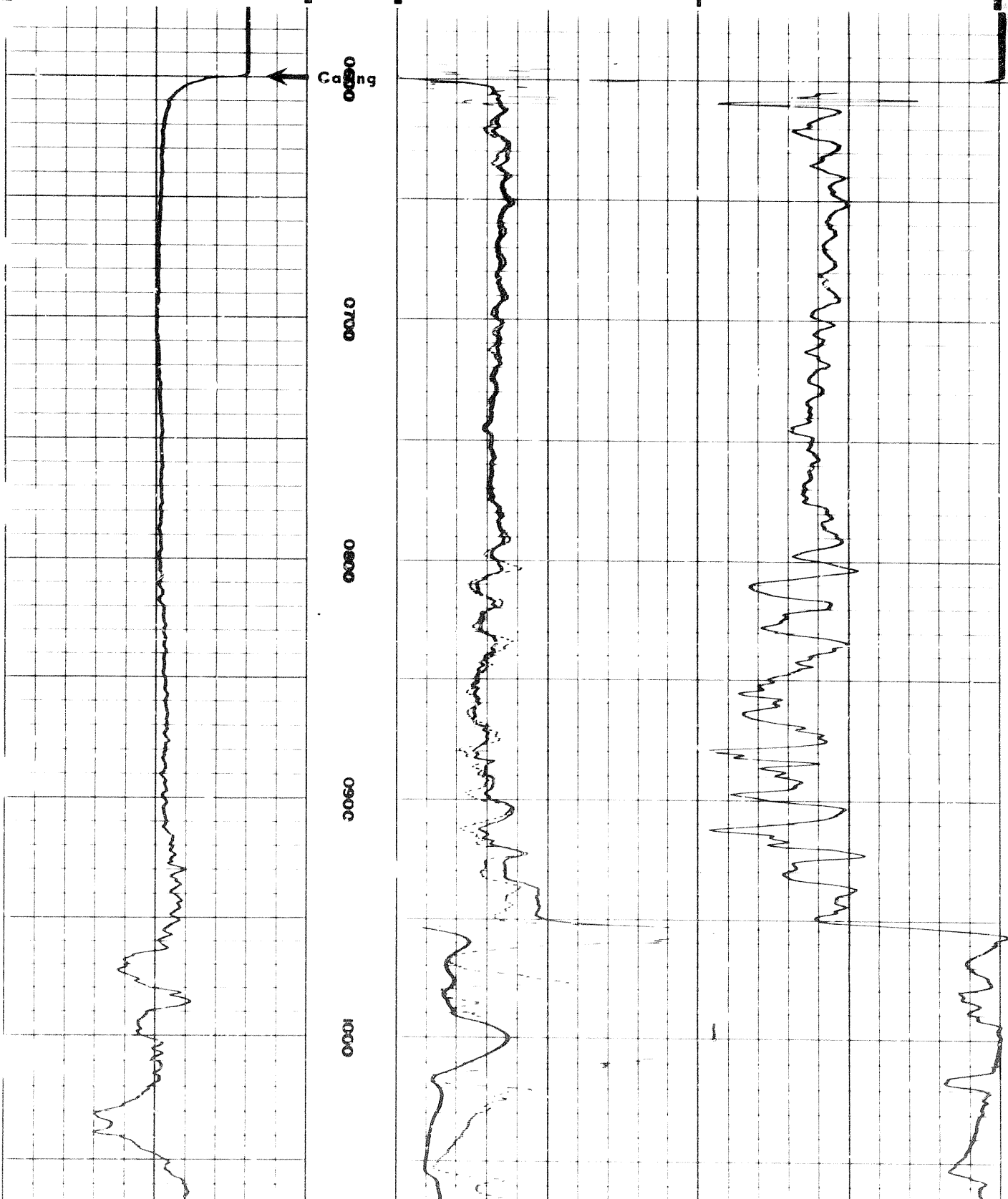


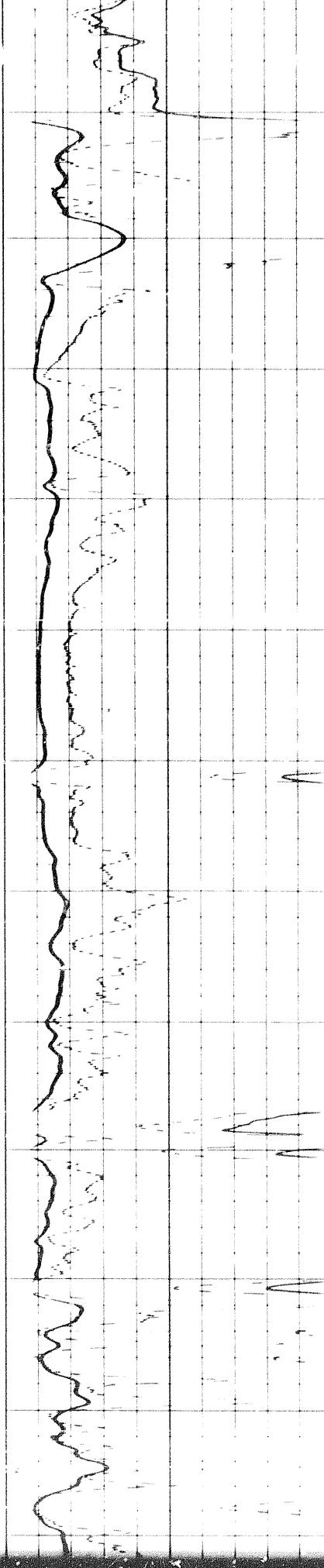
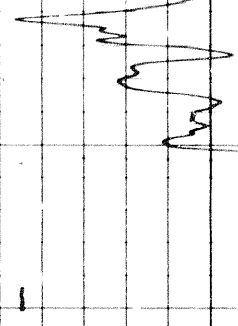
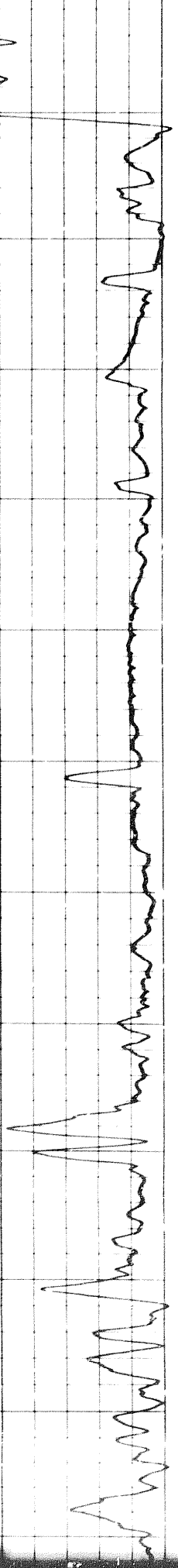
100

ed in FPM -

10
+
-

200	100	0
RESISTIVITY ohms m ² /m		
16" NORMAL		
0		50
0		500
INDUCTION		
0		50
0		500





1000

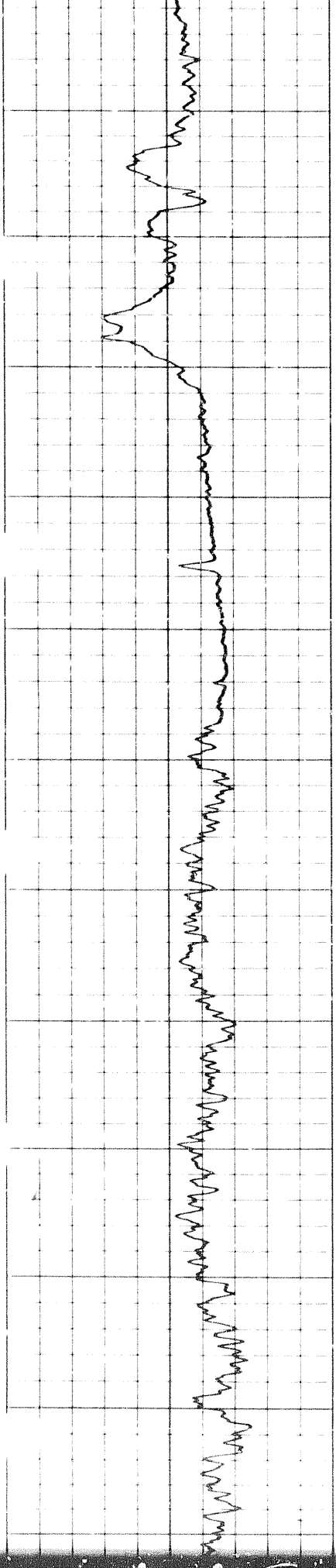
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1200

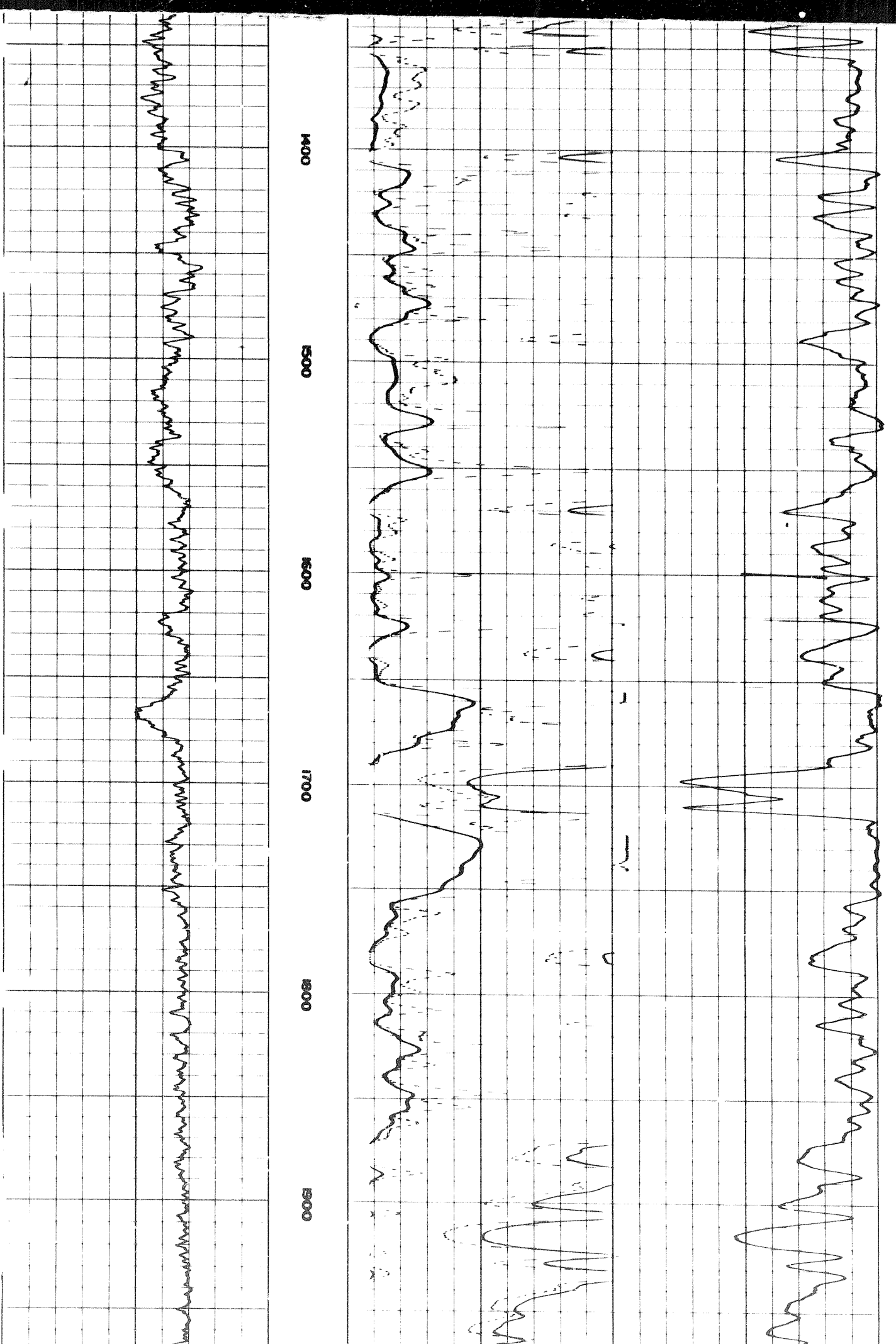
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1400

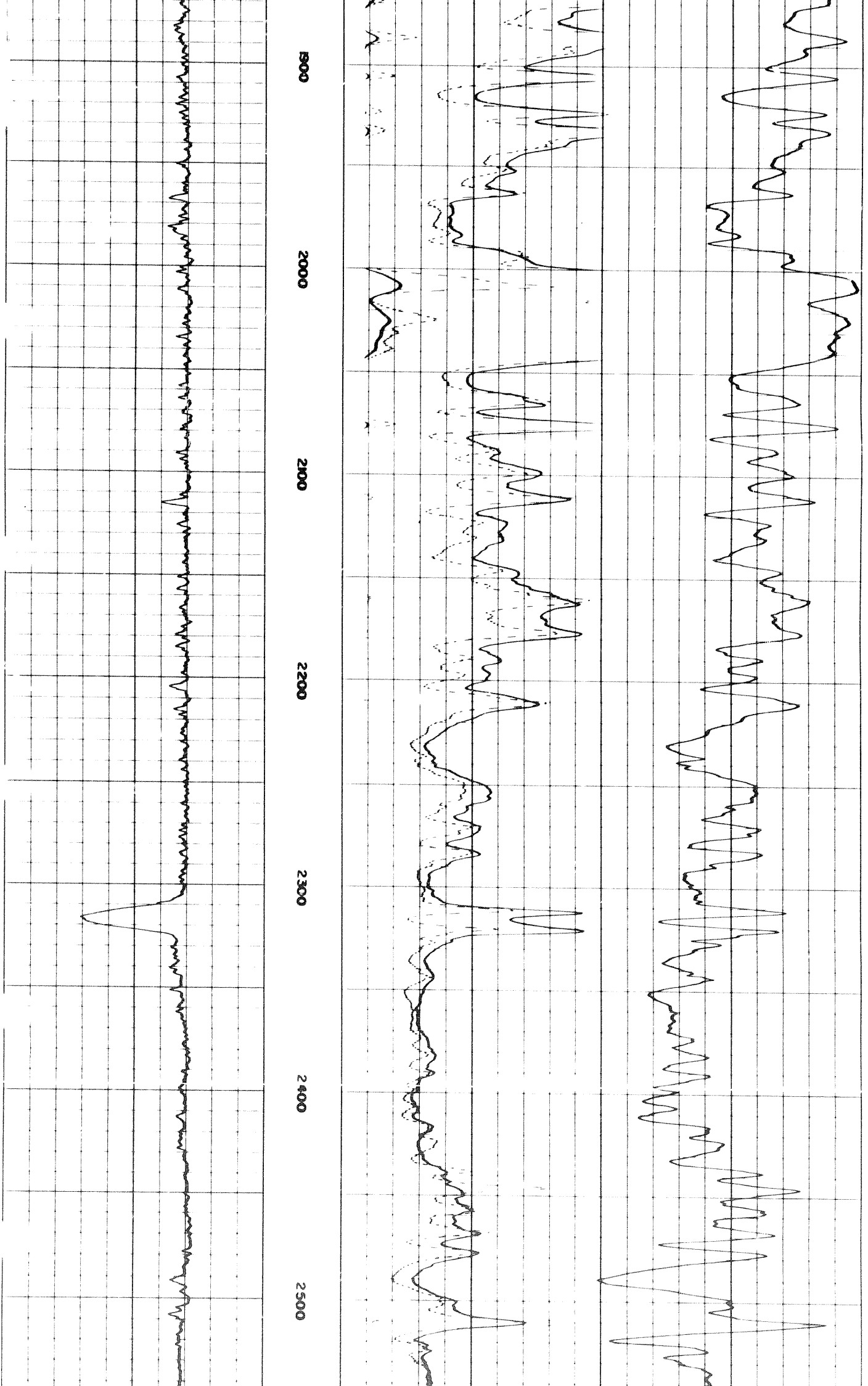
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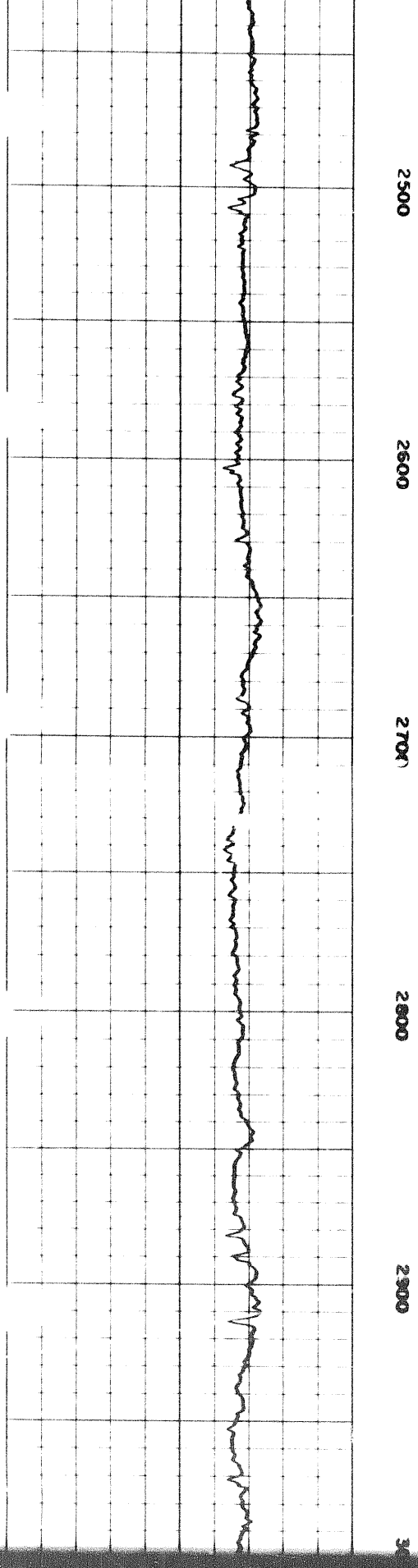
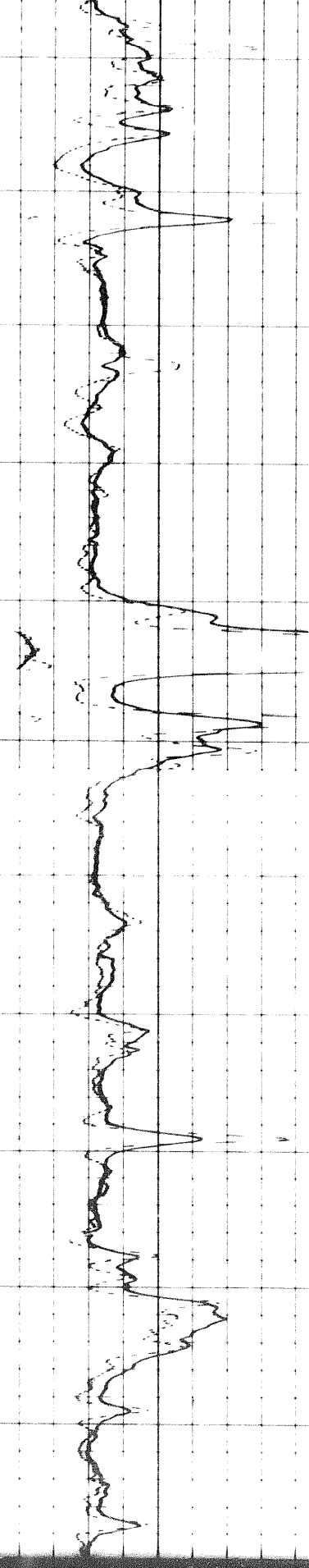
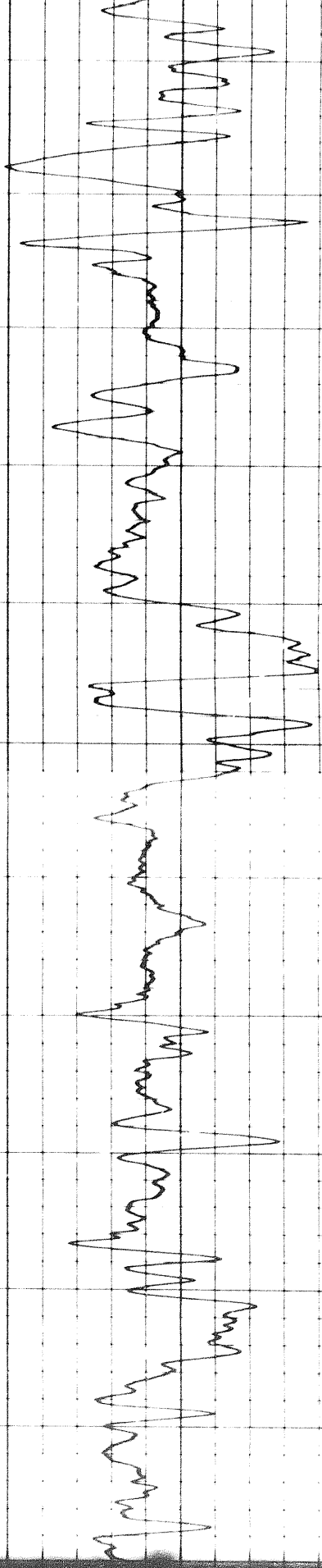
202



70



500 1000 1500 2000 2500 3000 3500



2500

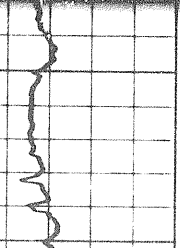
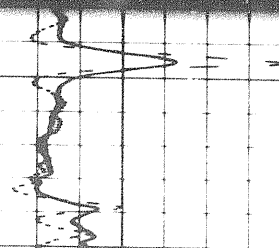
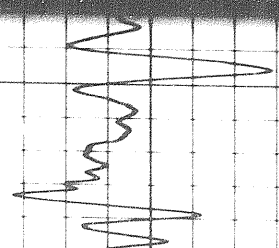
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2700

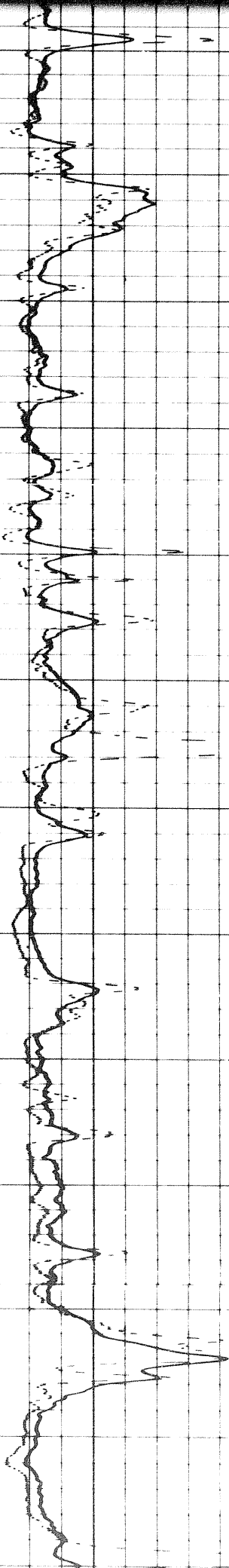
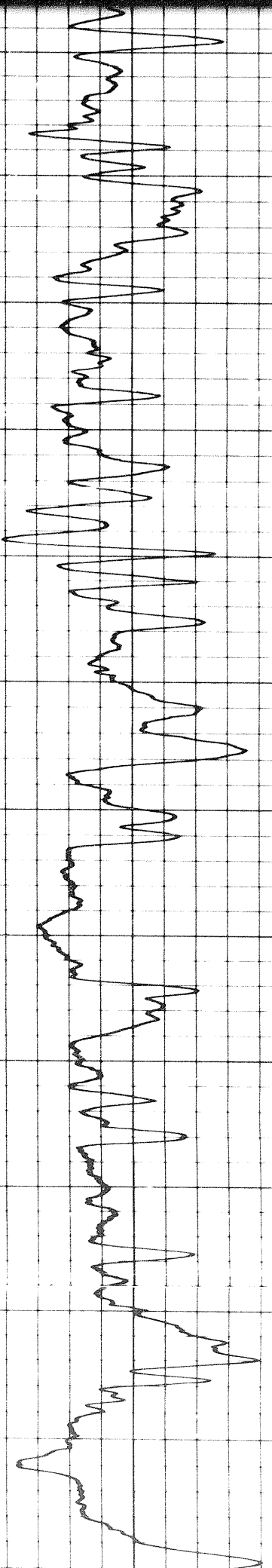
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2900

30



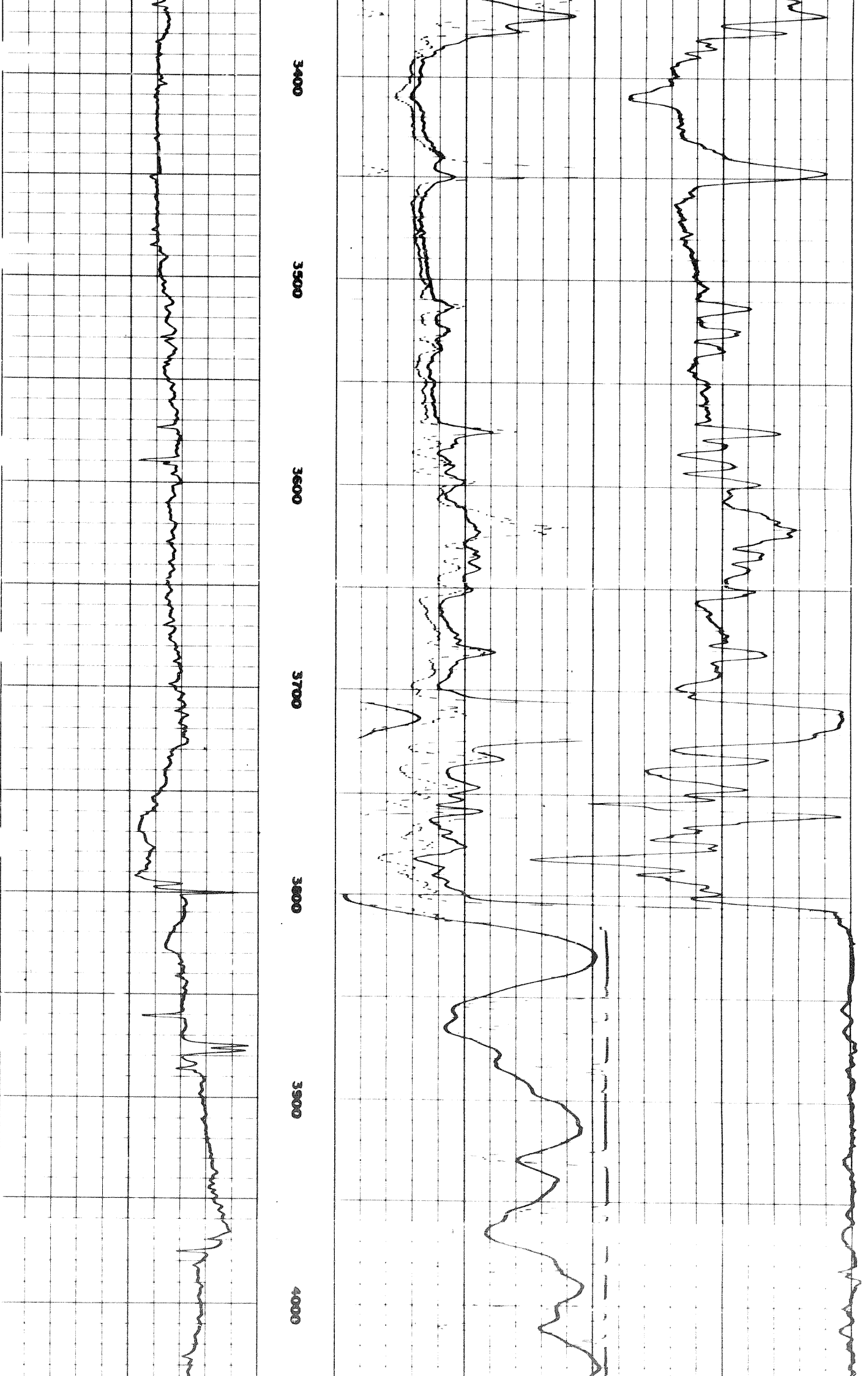
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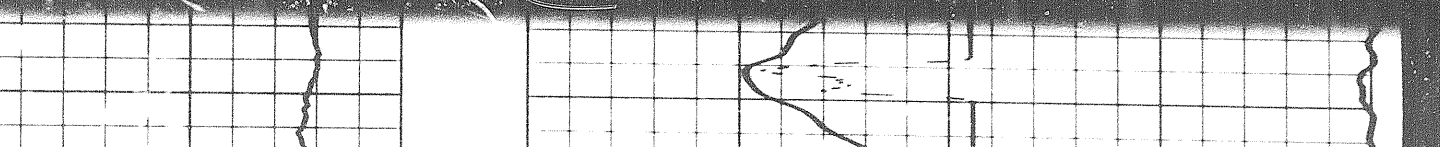
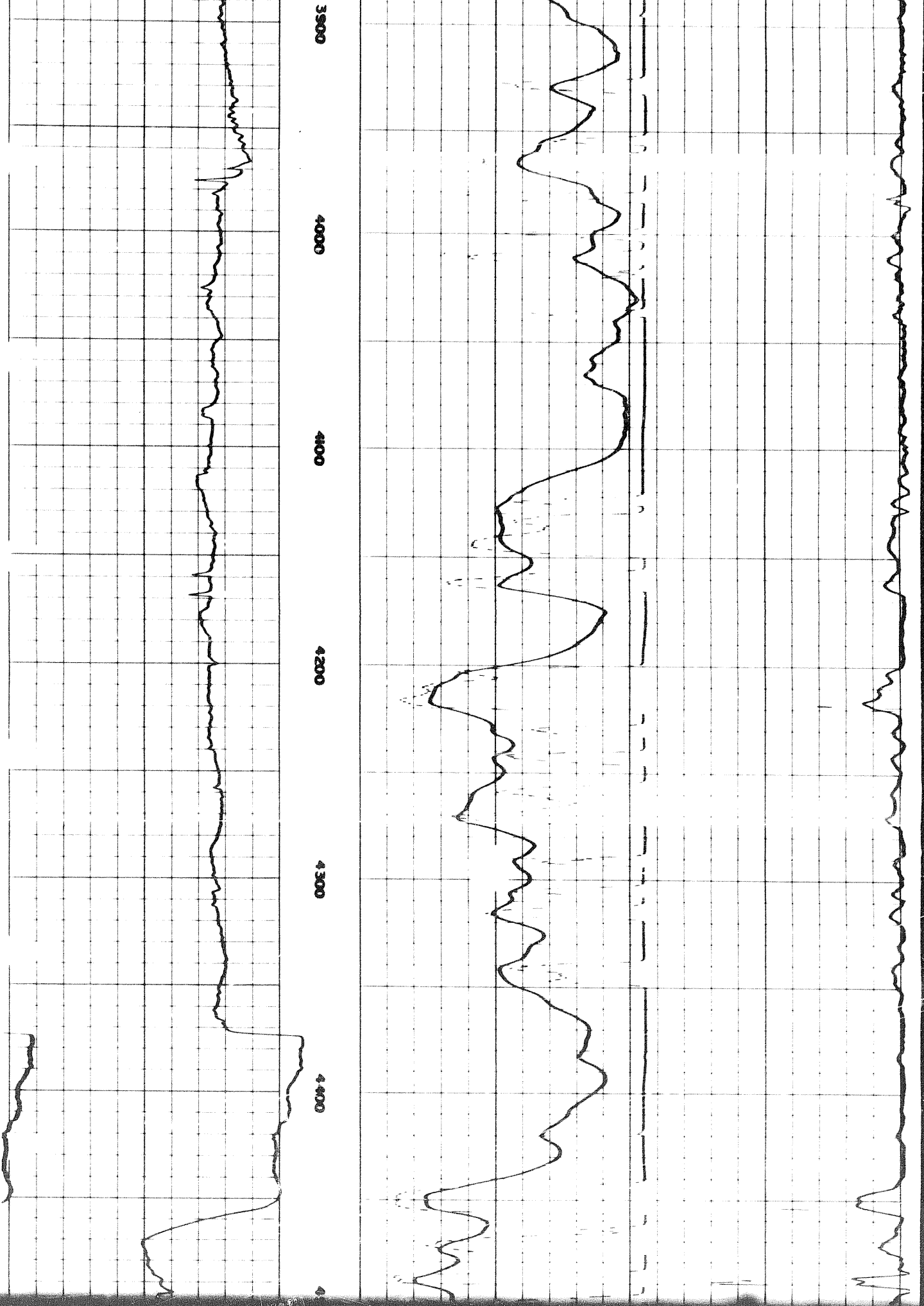


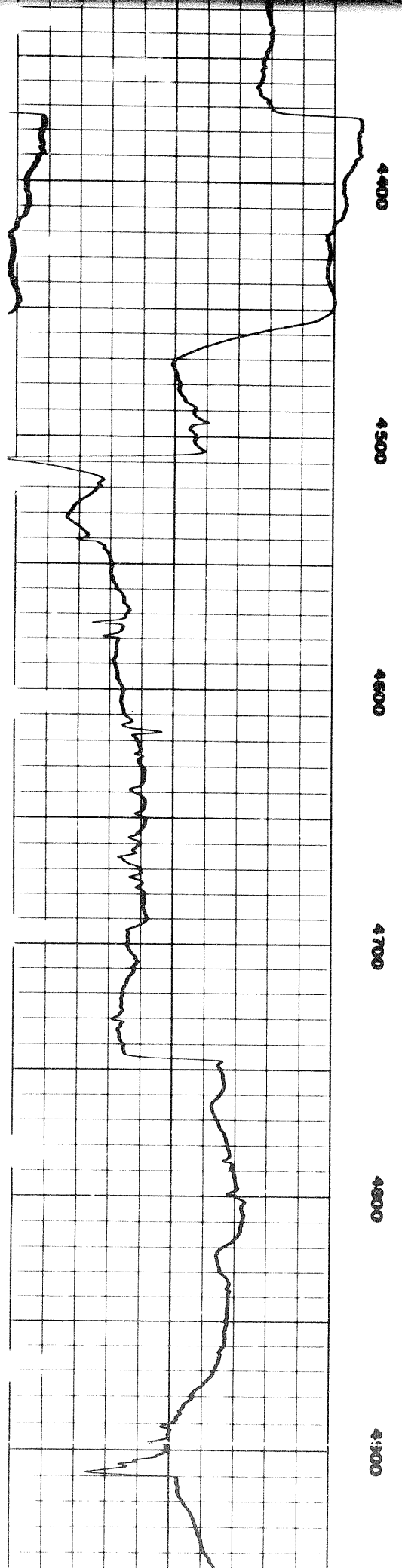
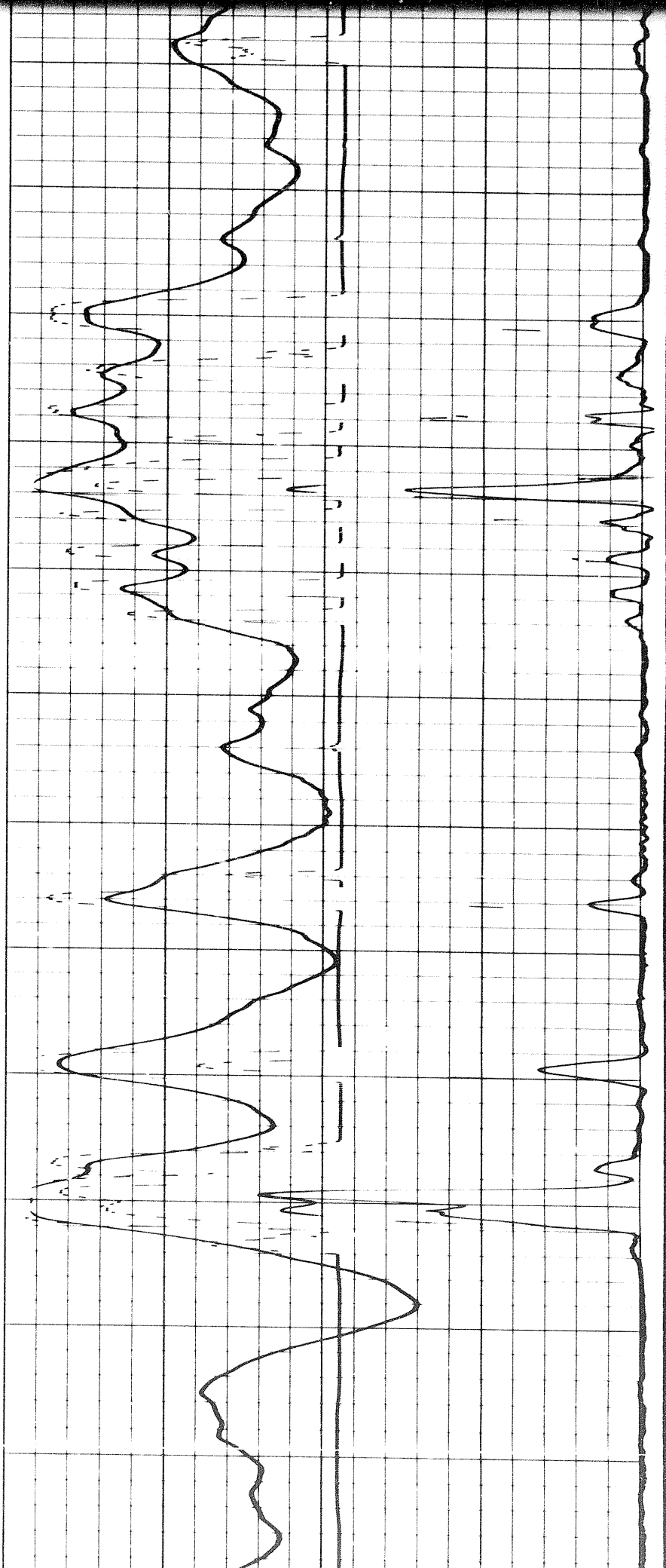
2900 3000 3100 3200 3300 3400

Zero Shift

3 of







4400

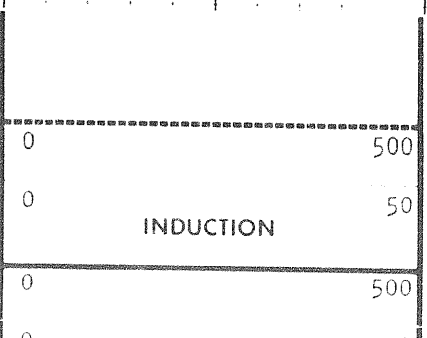
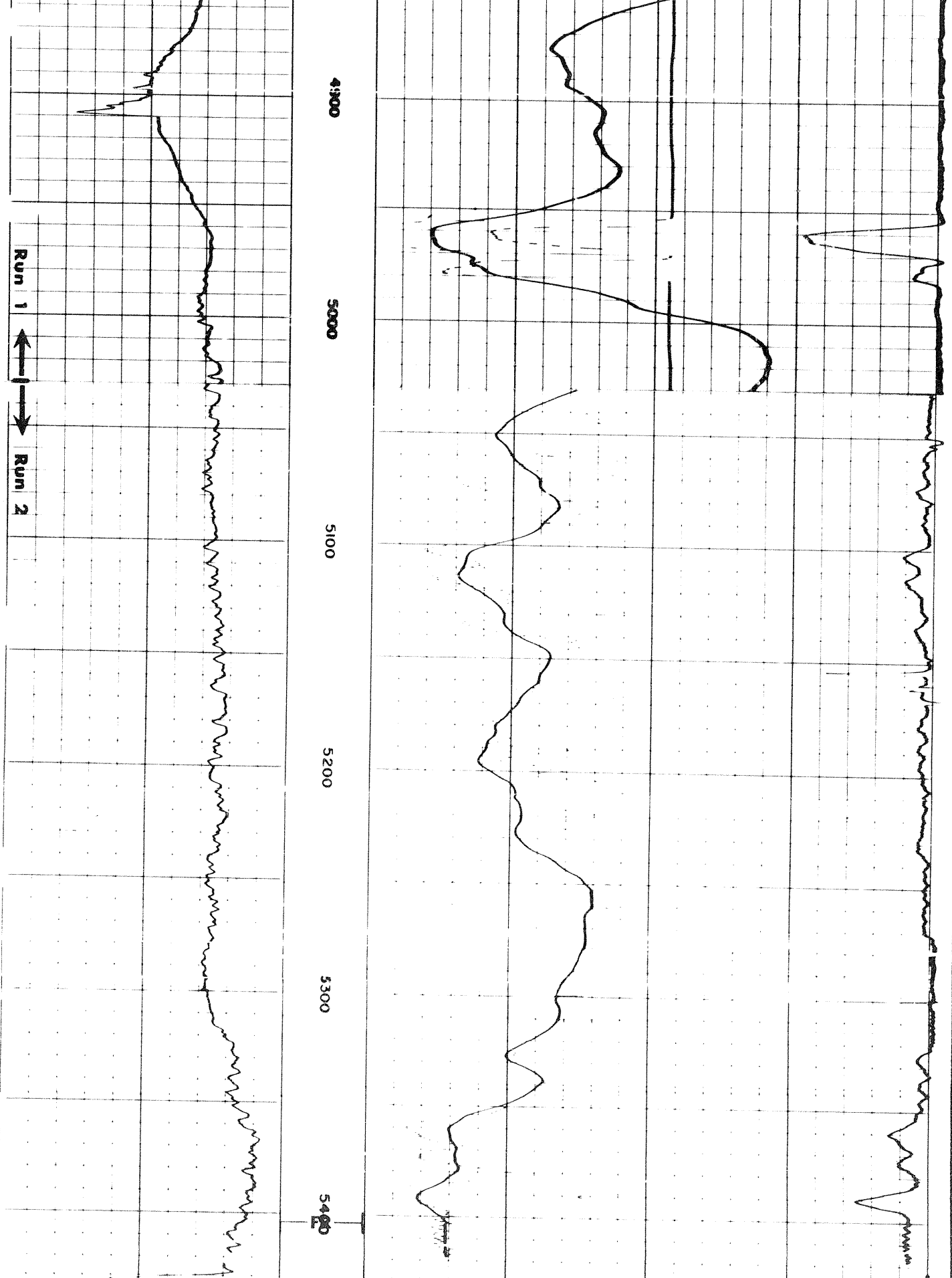
4500

4600

4700

4800

4900



0	500
0	50
INDUCTION	
0	500
0	50
16" NORMAL	
RESISTIVITY ohms m ² /m	

300	200
200	100
INDUCTION	
0	0

Speed in FPM

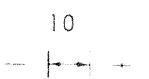


SPONTANEOUS-POTENTIAL millivolts	DEPTHS	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms m}^2/\text{m}}$
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DETAIL LOG
5" = 100' RUN #1

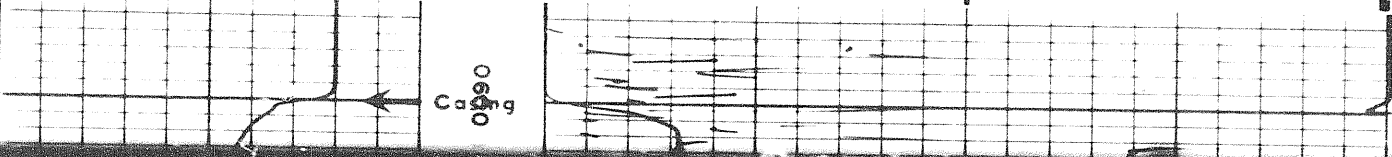
SPONTANEOUS-POTENTIAL millivolts	DEPTHS	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms m}^2/\text{m}}$
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Speed in FPM



200	100	0
INDUCTION		
300	200	

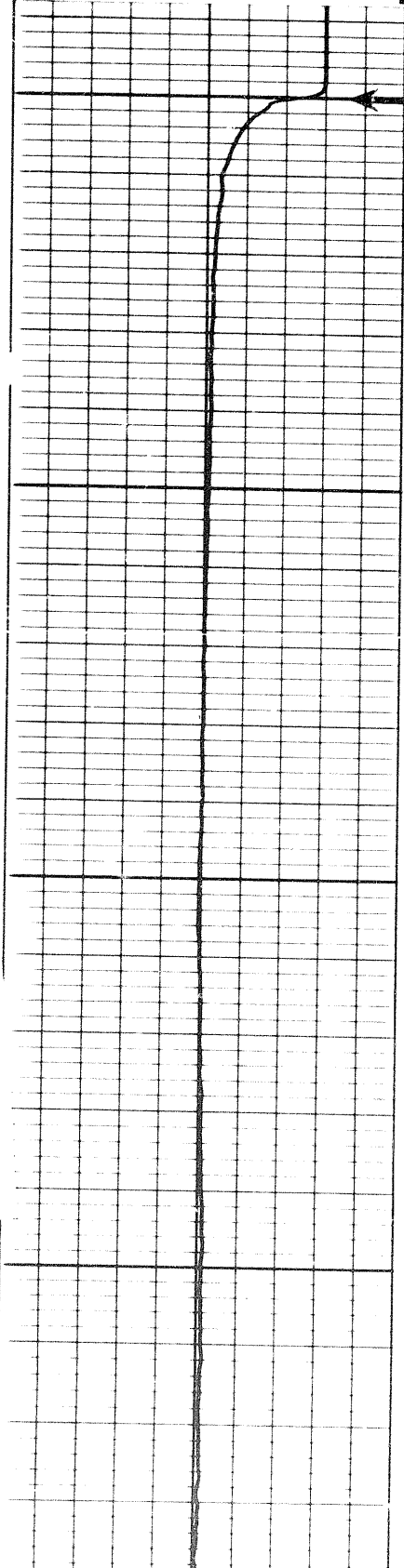
RESISTIVITY ohms m ² /m	
0	50
0	500
INDUCTION	
0	50
0	500



Ca mg

16" NORMAL	
0	50
0	500

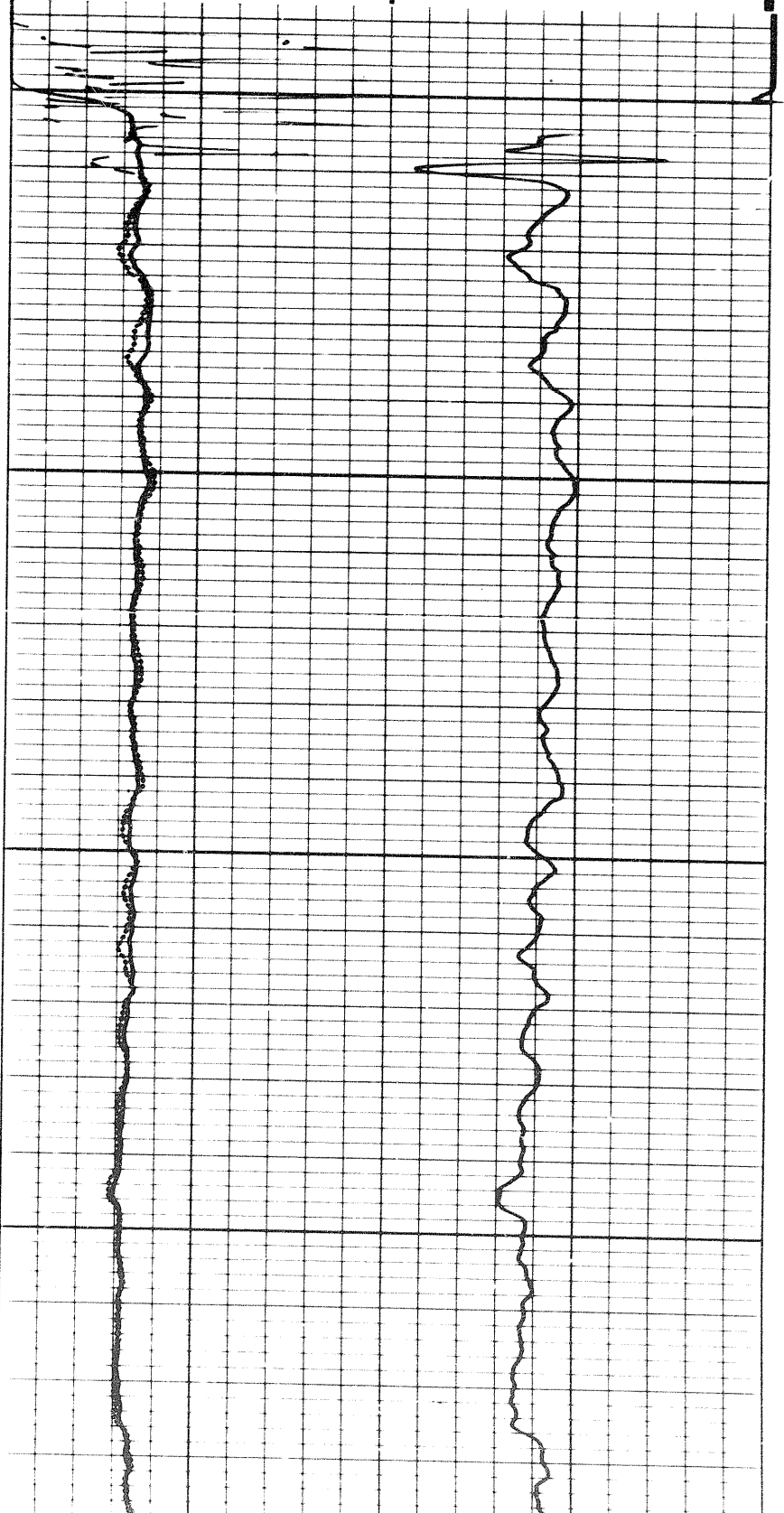
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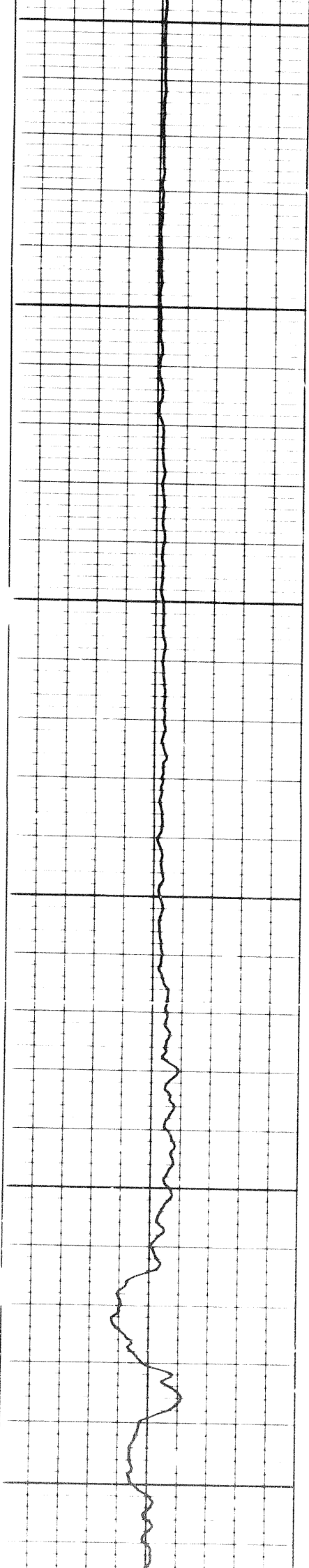


0.050
0.050

0700

16" NORMAL	
0	50
0	500
INDUCTION	
0	50
0	500

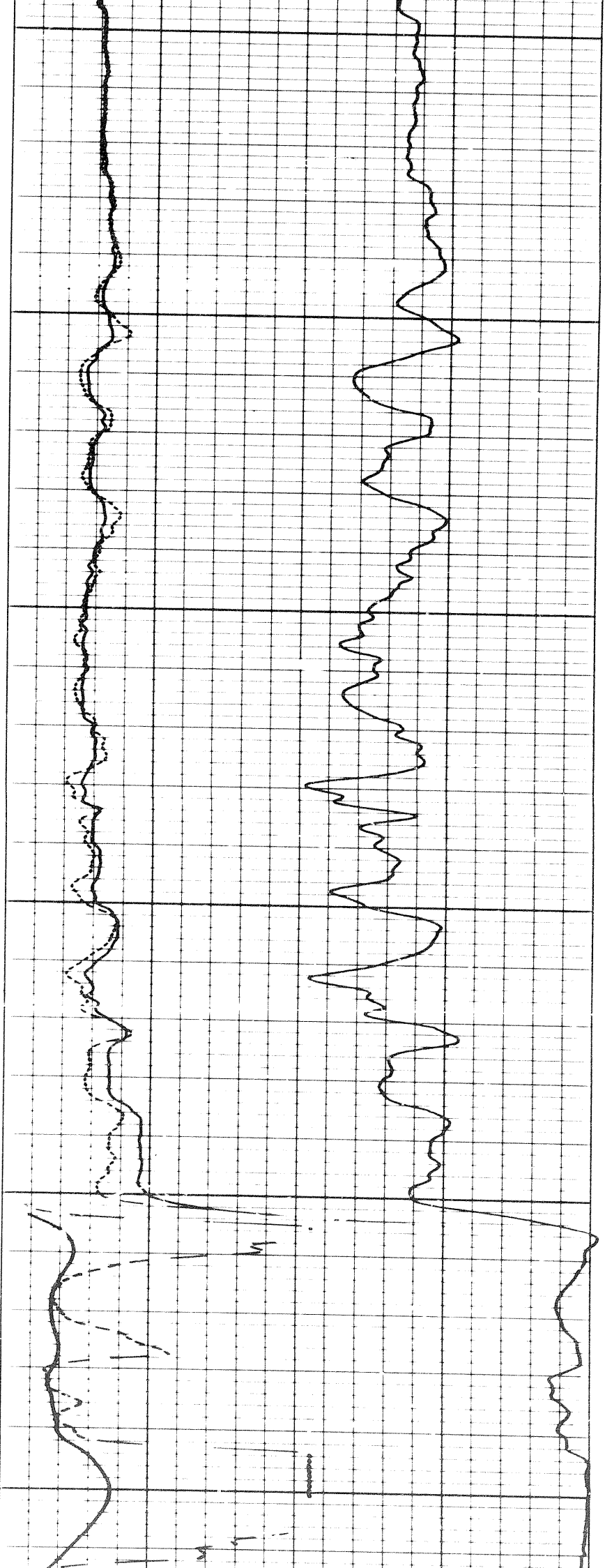


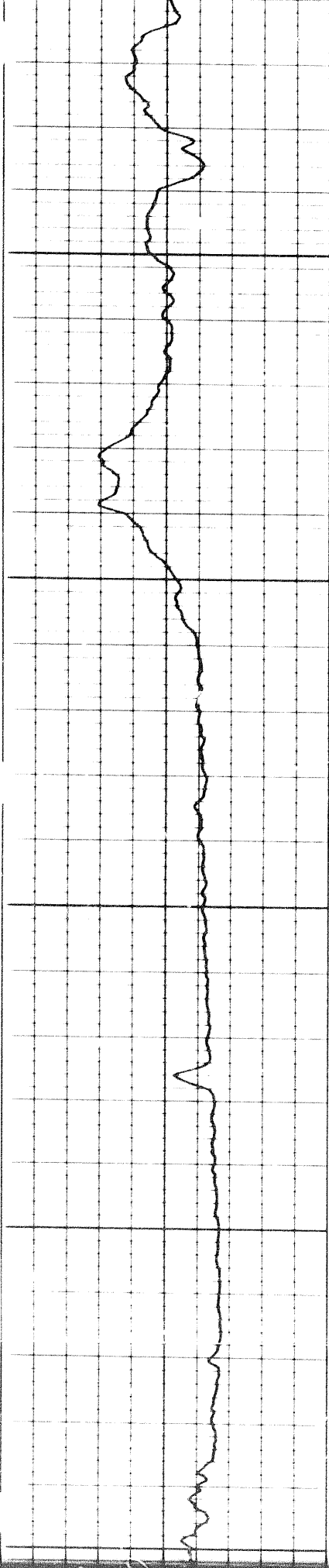


1000

0060

0080

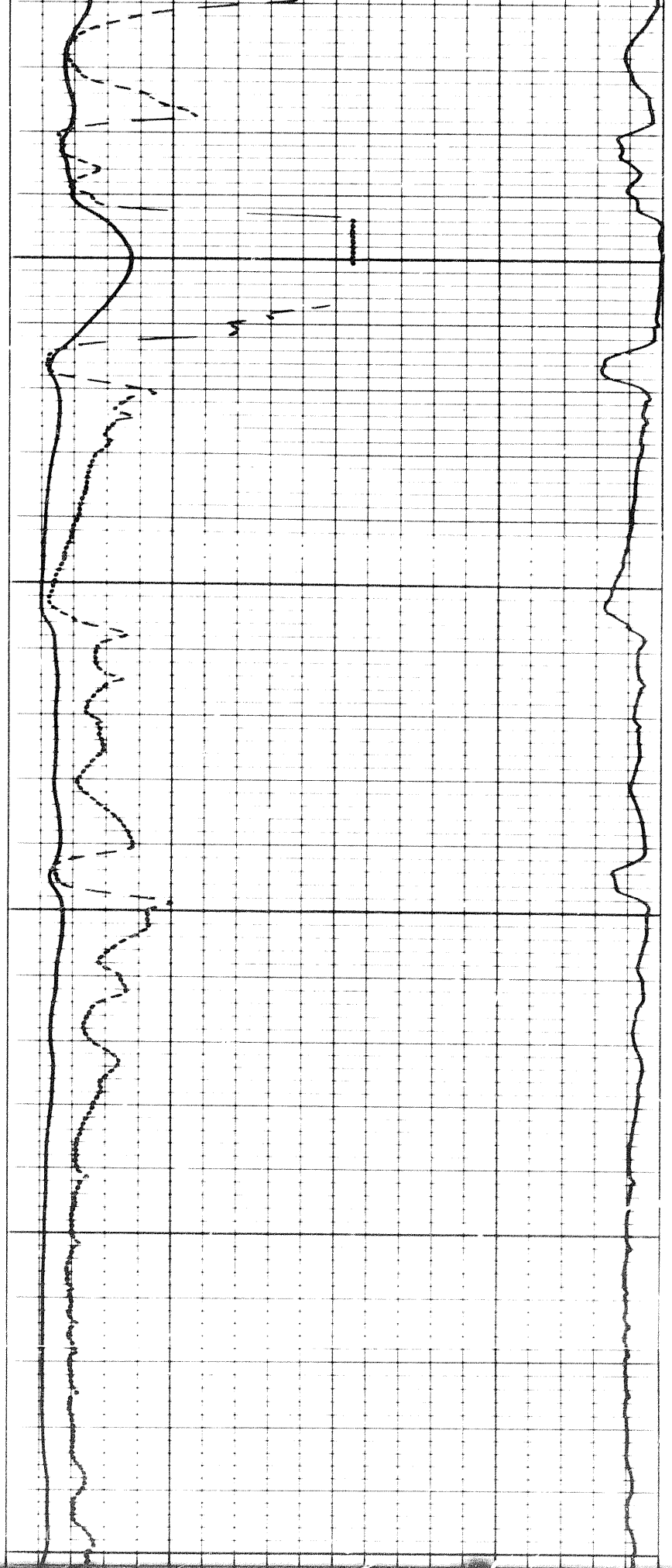




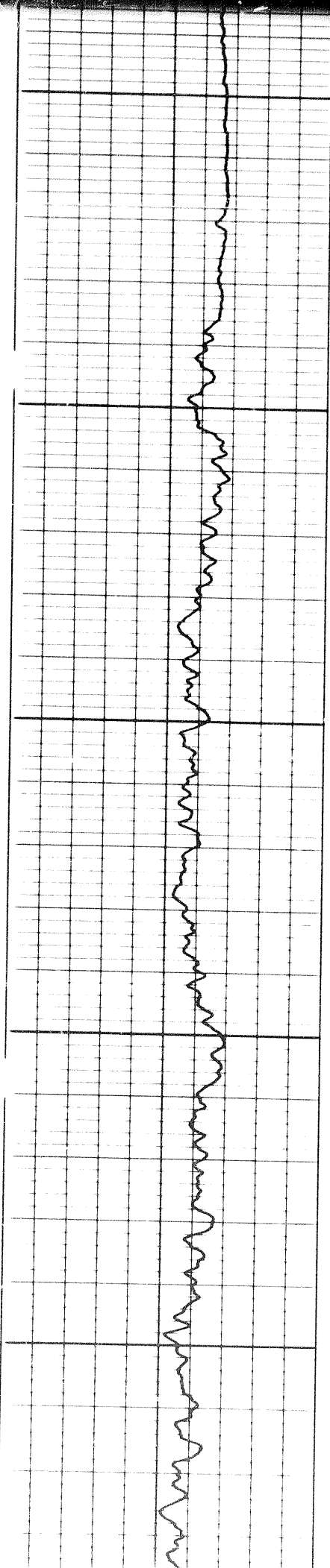
1000

1100

1200

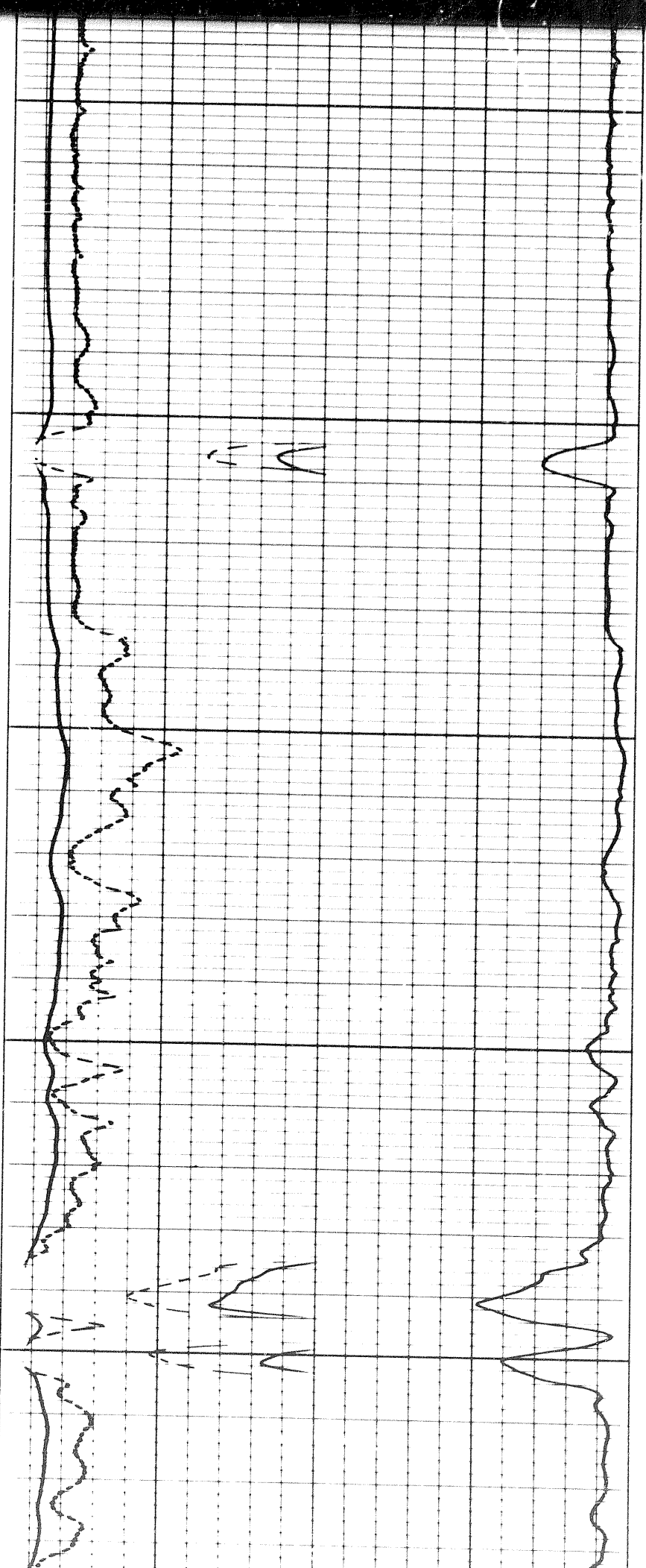


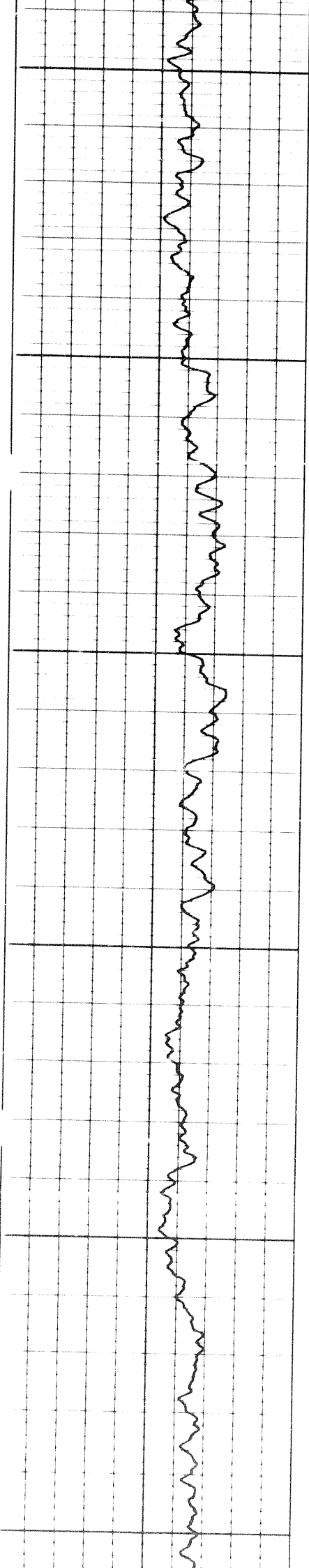
6 of



200

1300

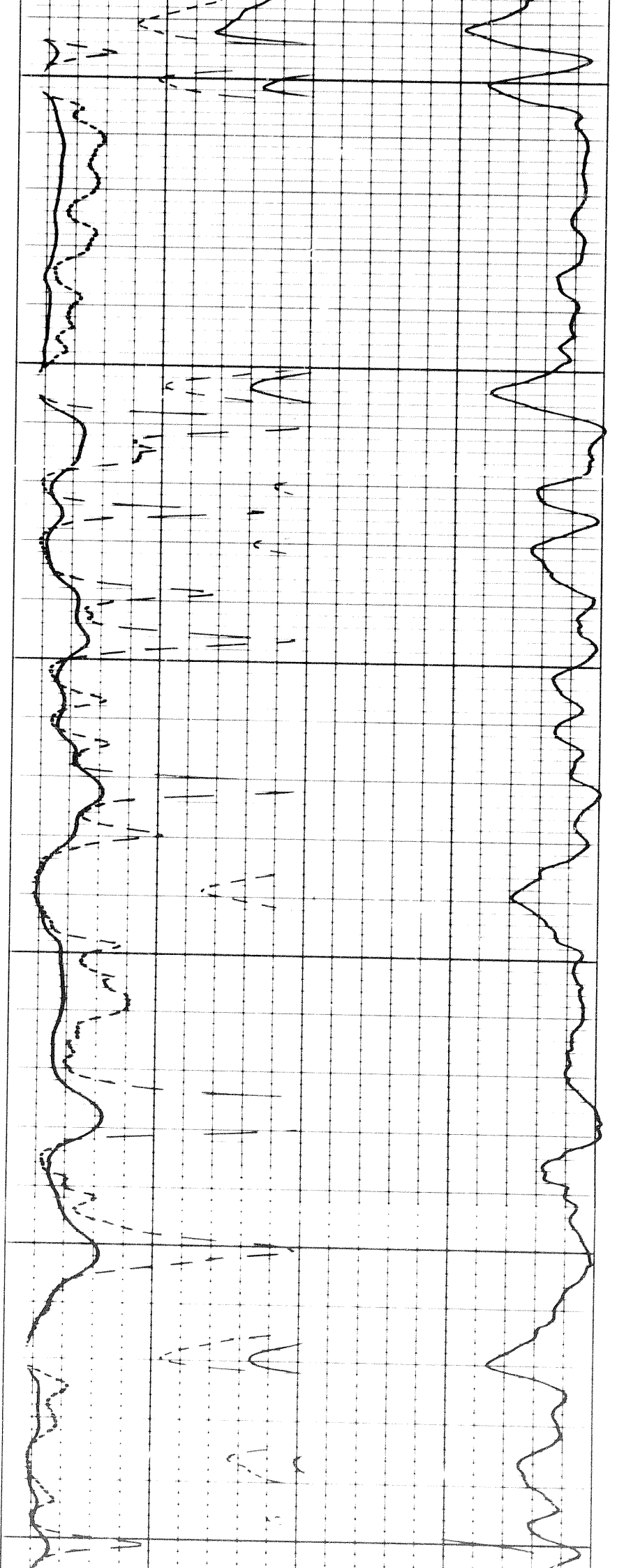


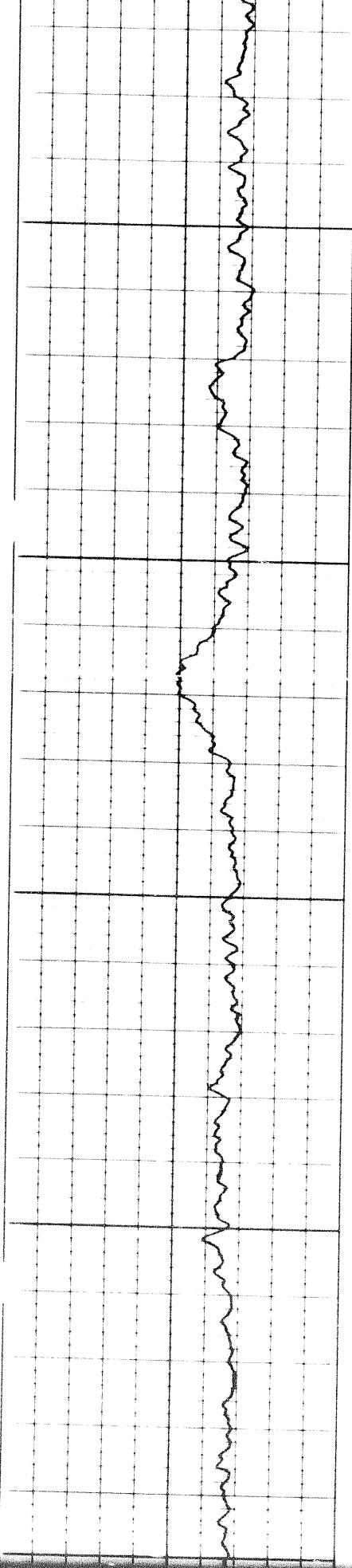


1400

1500

1600

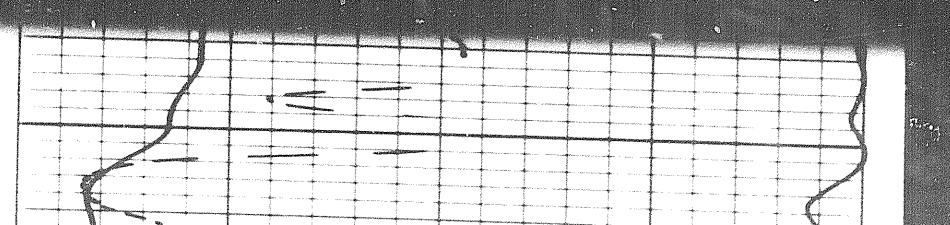
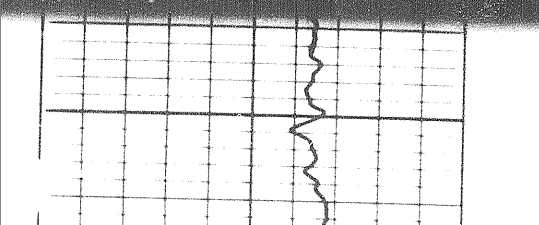
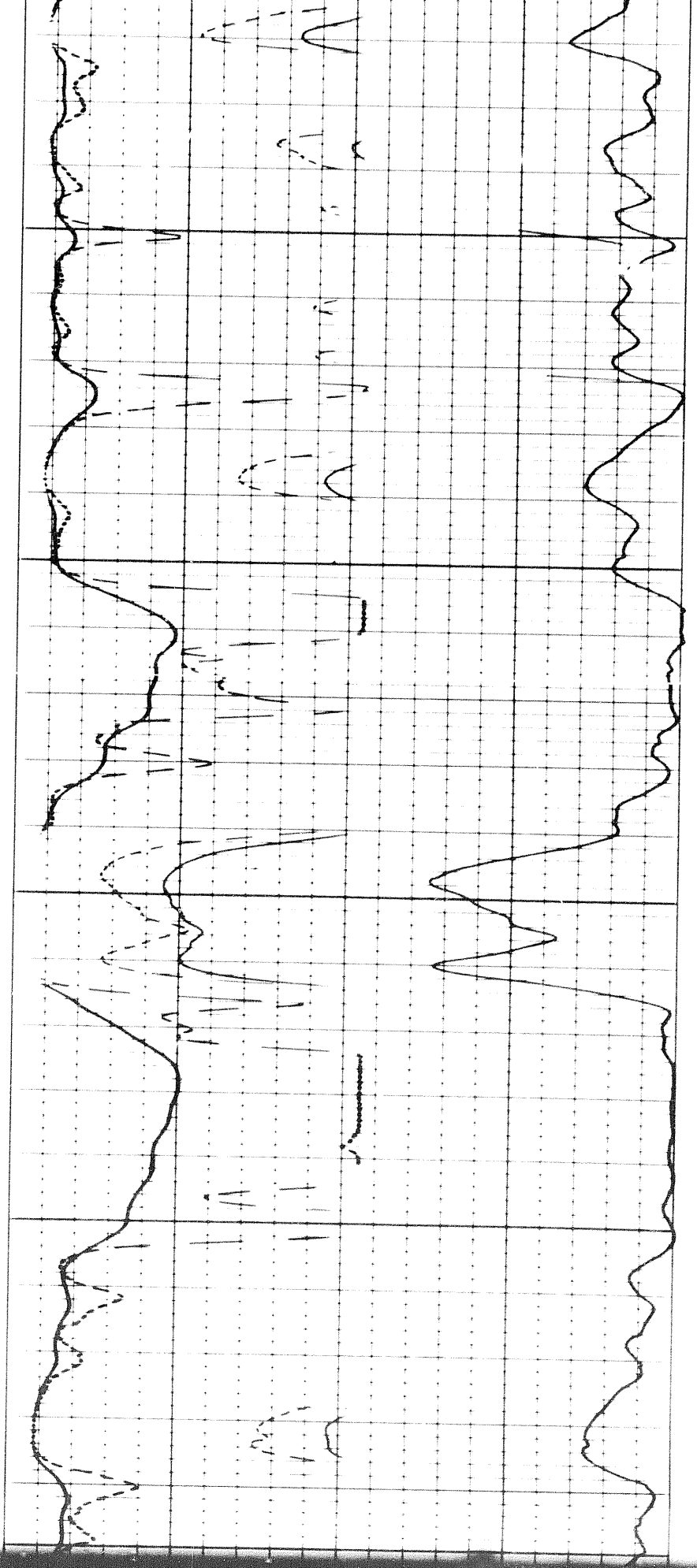




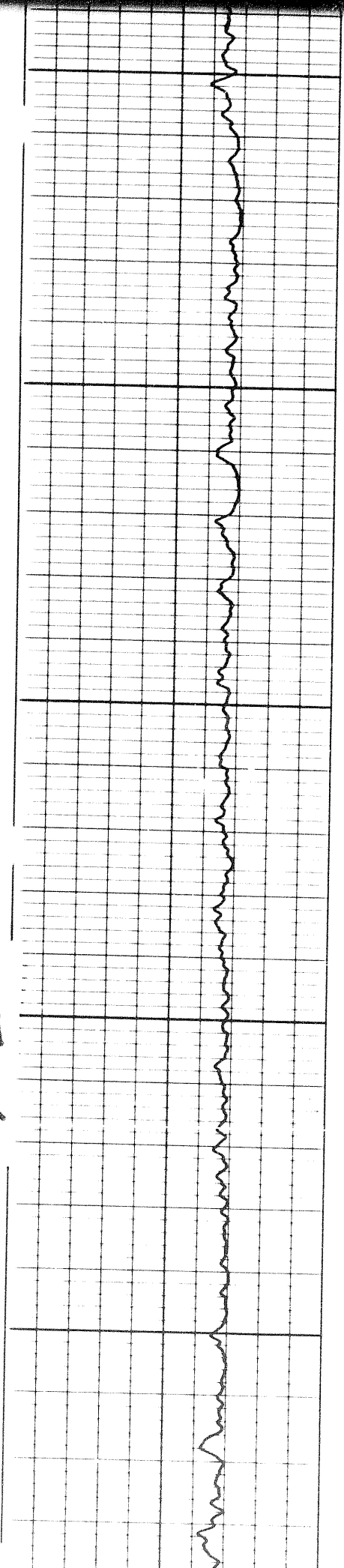
1600

1700

1800

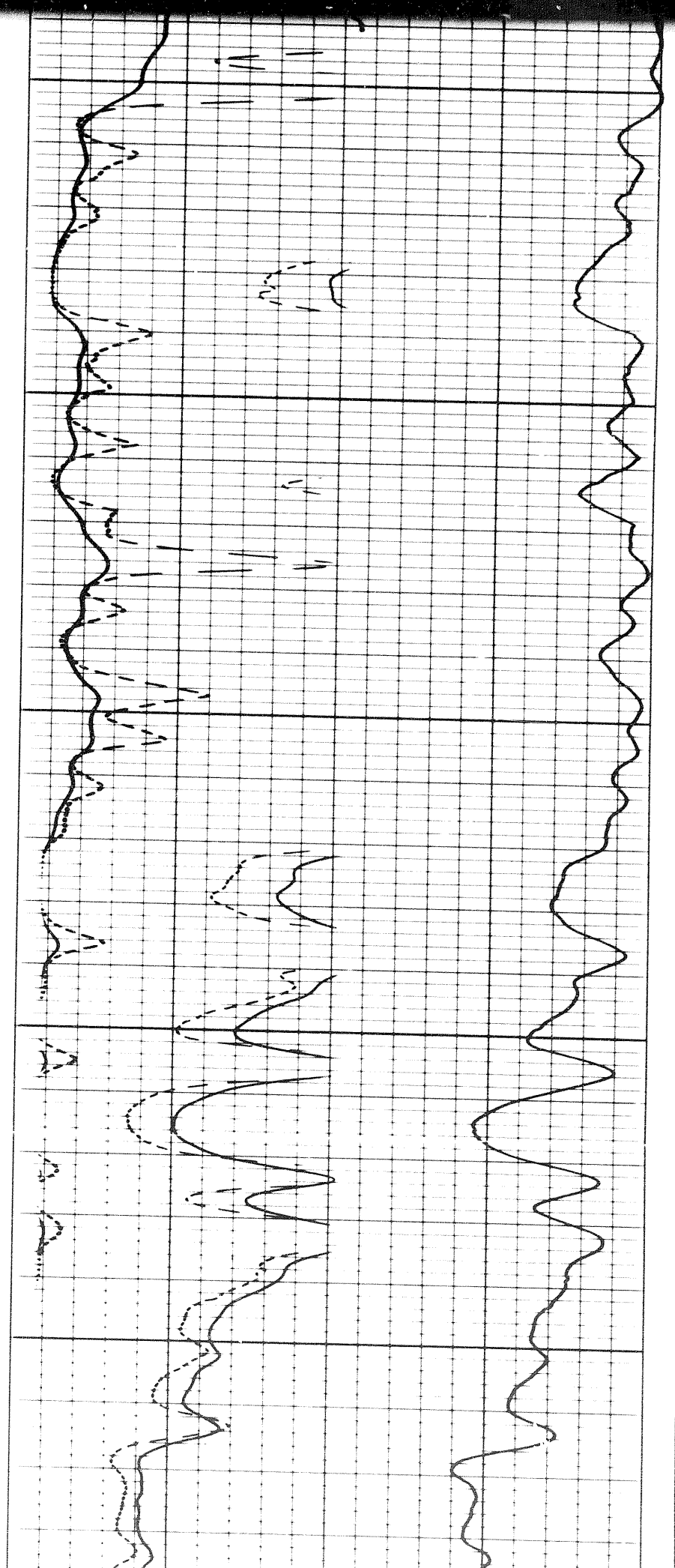


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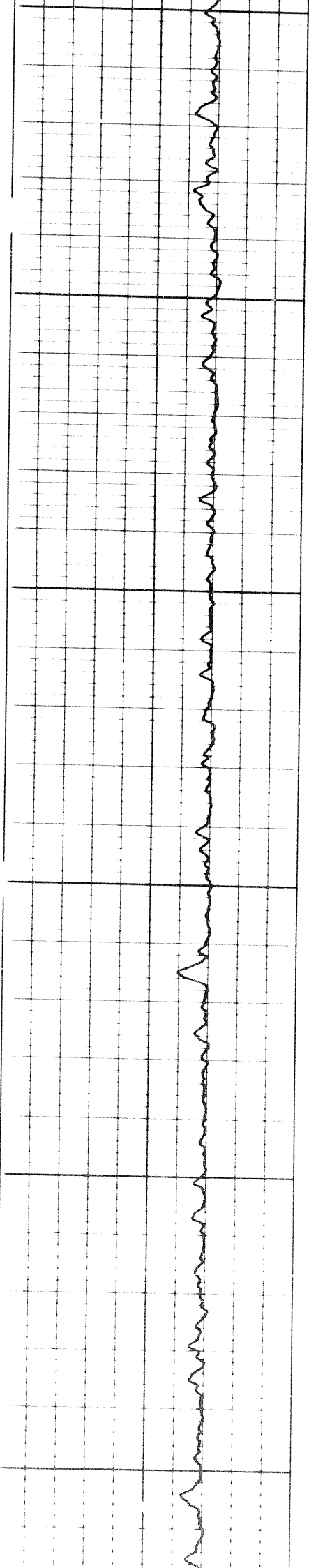


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1800



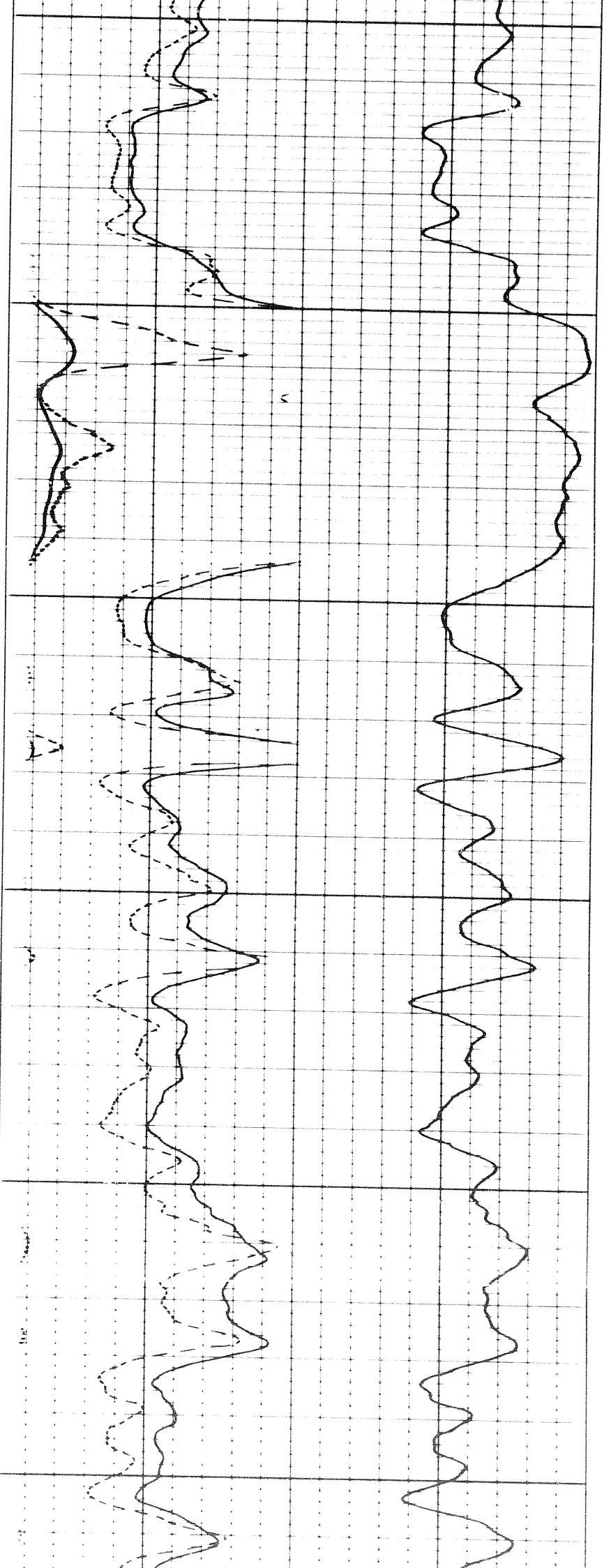
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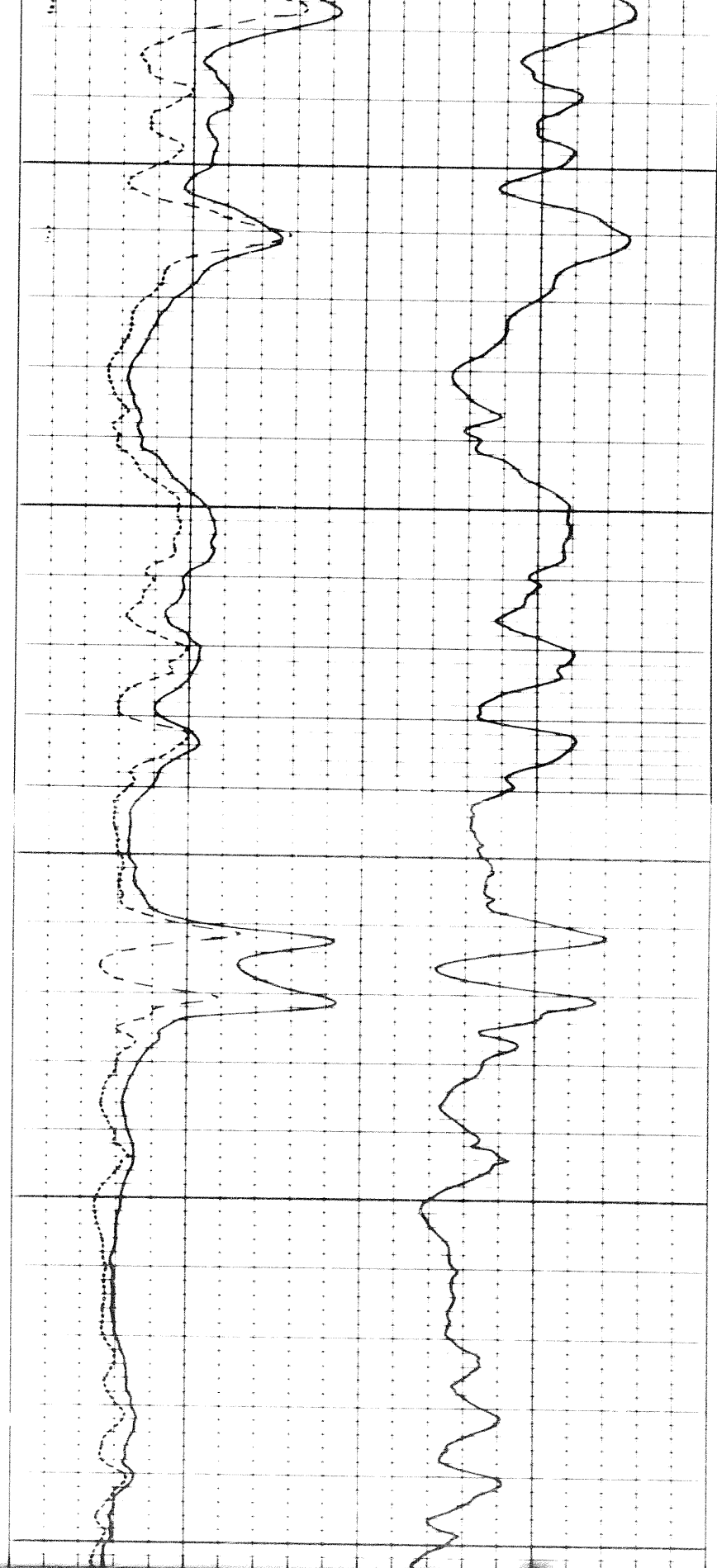


2000

2100

2200

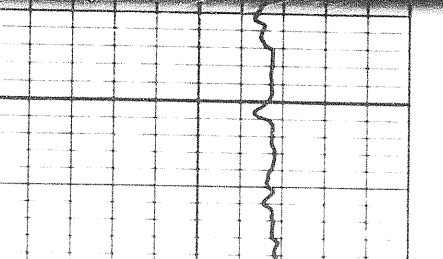
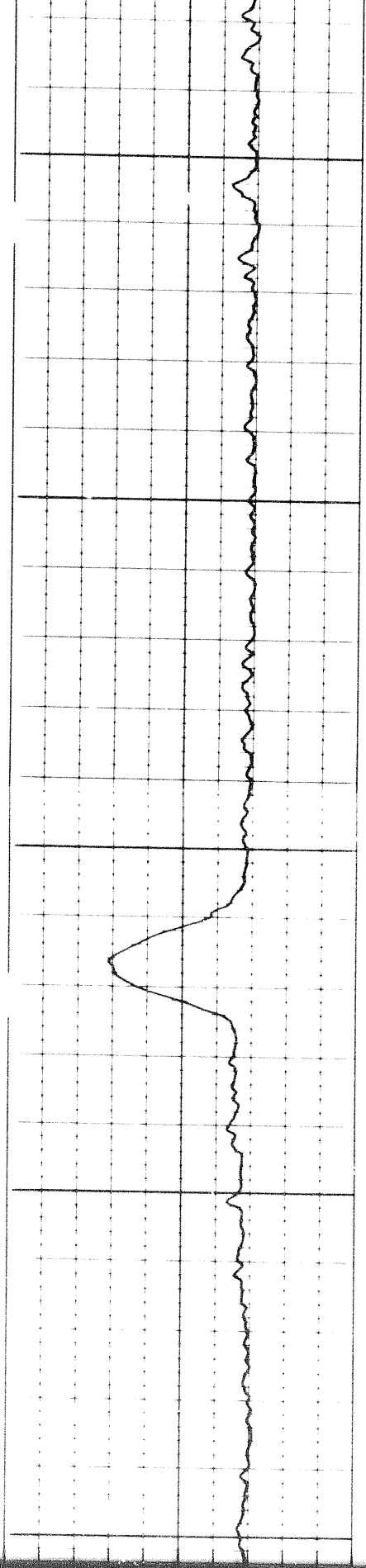




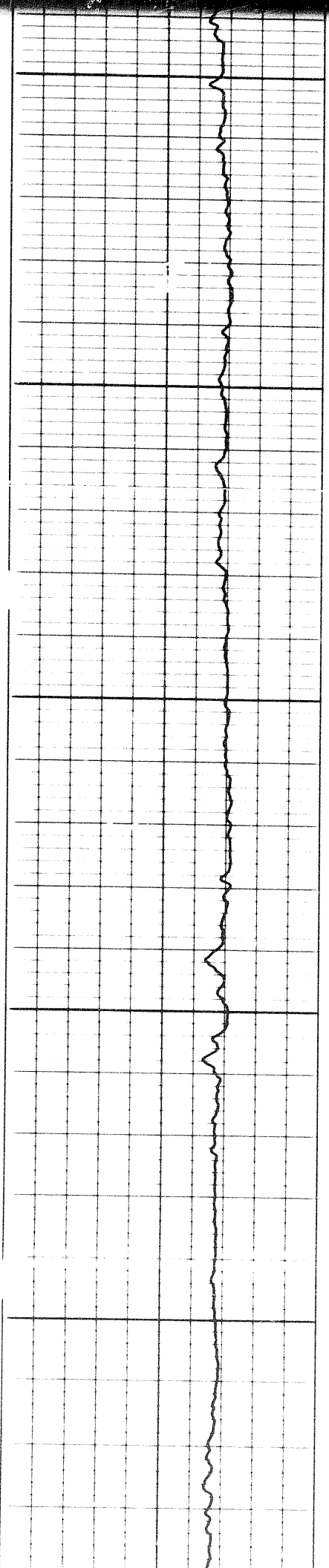
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2300

2400

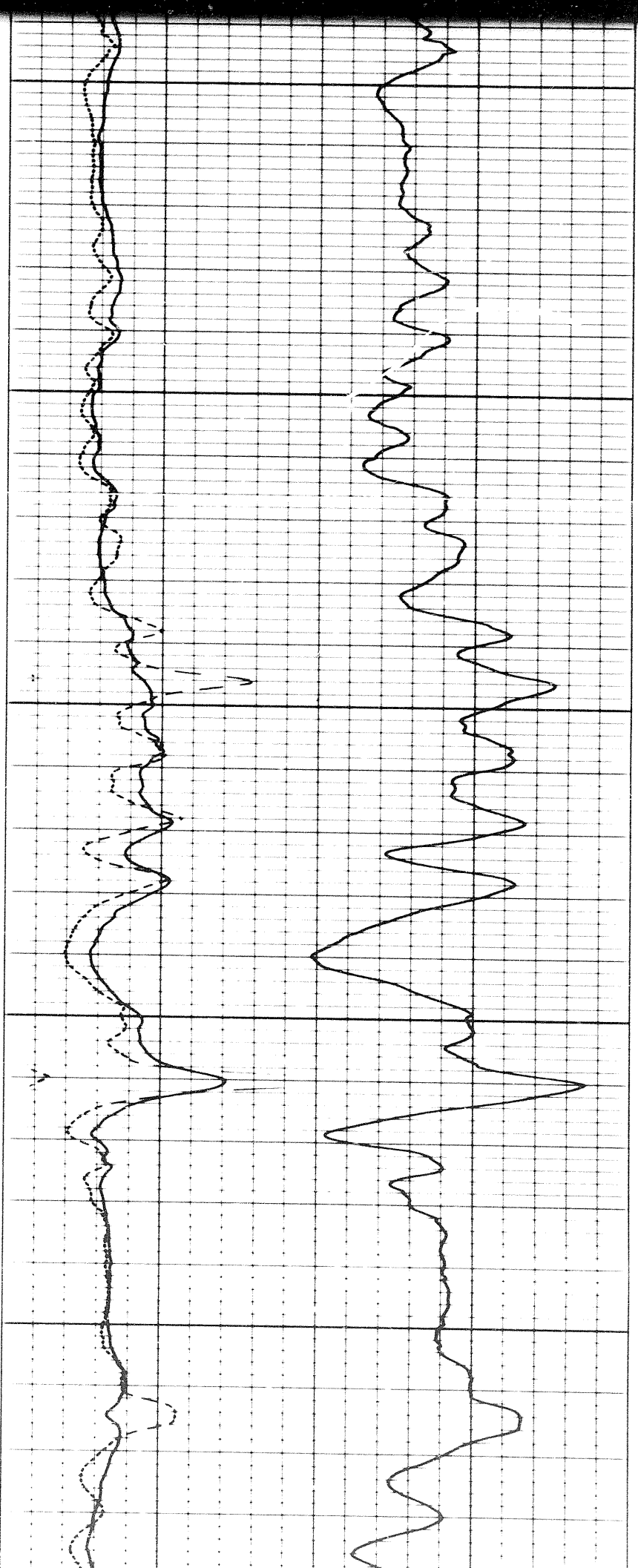


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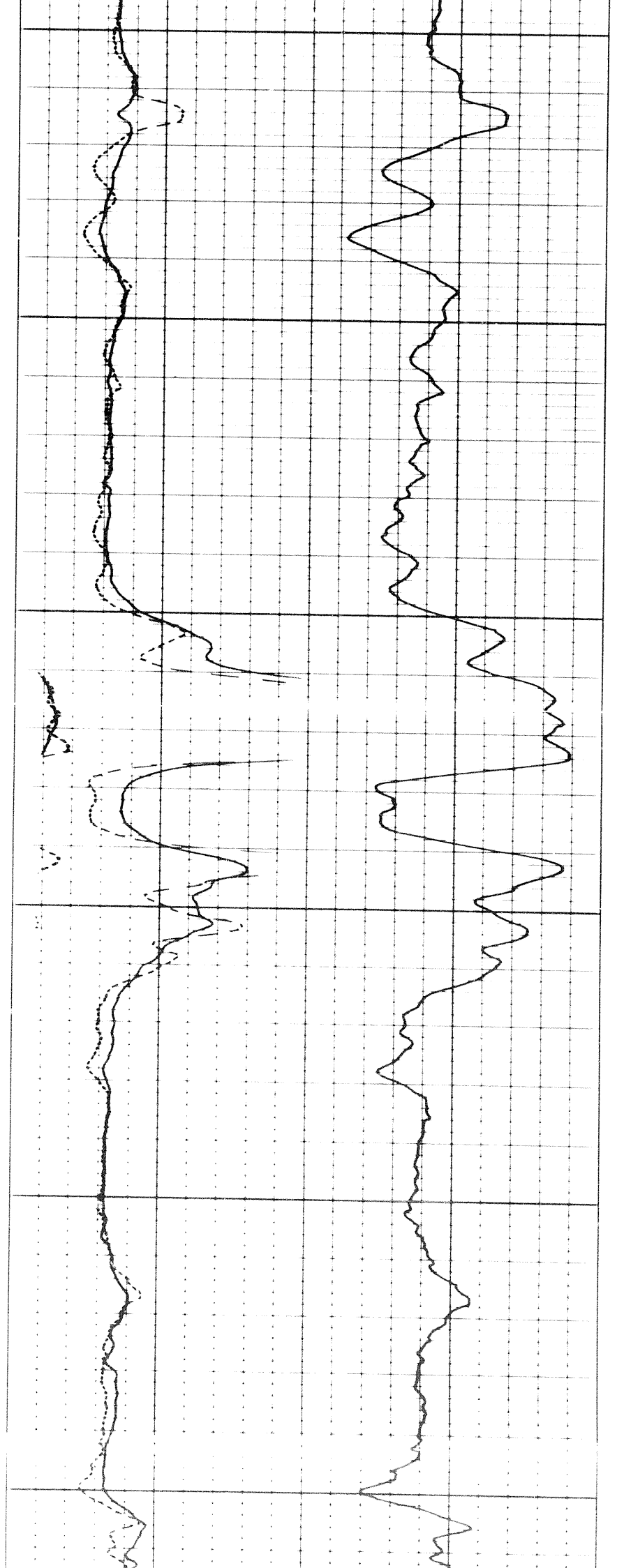


2400

2500



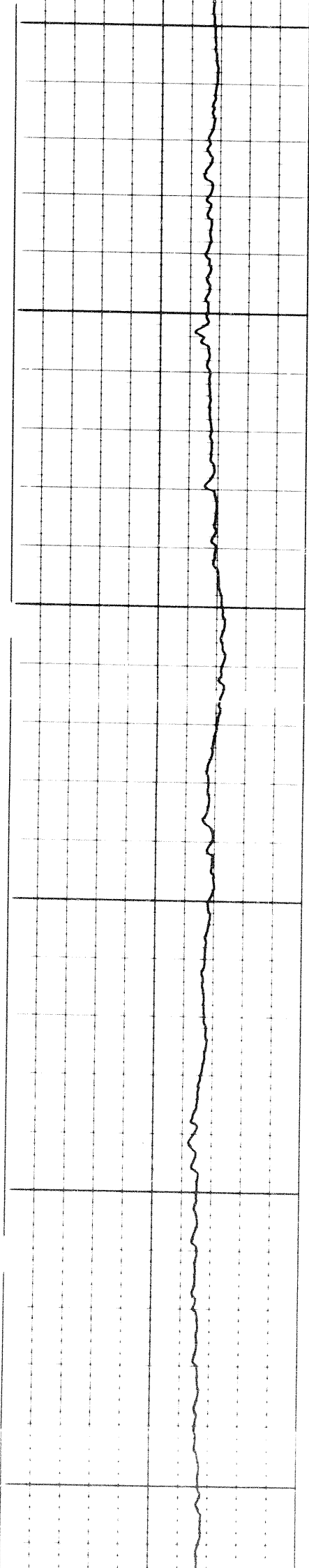
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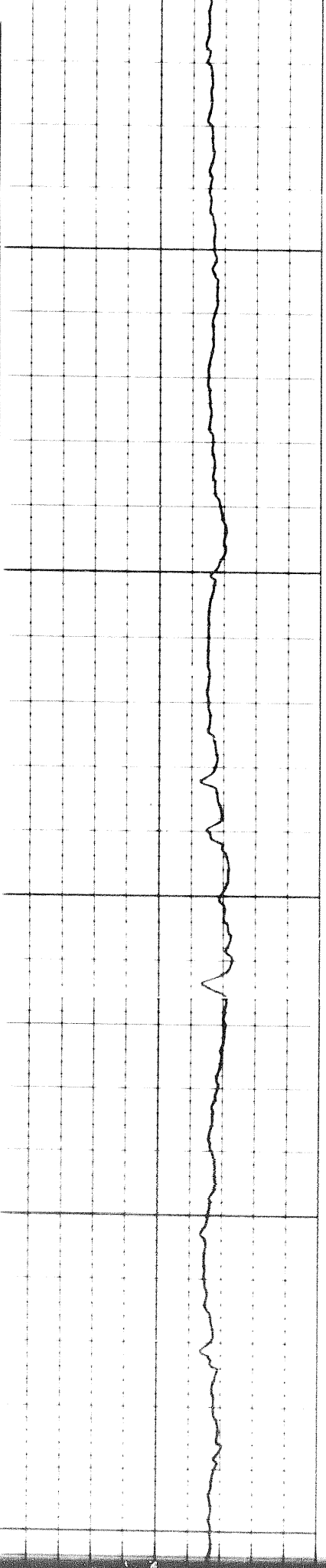
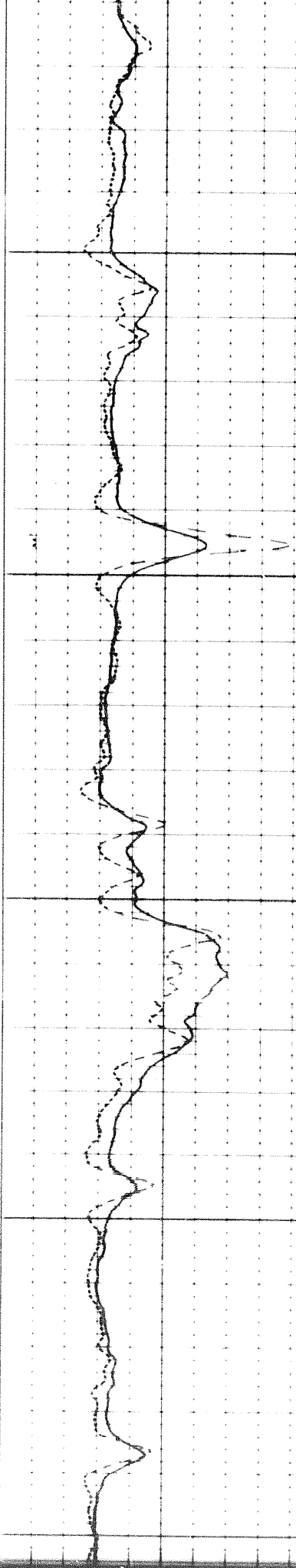
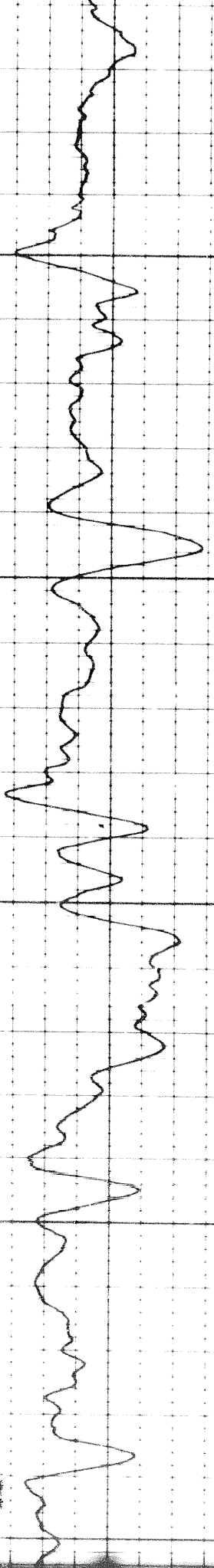


2600

2700

2800



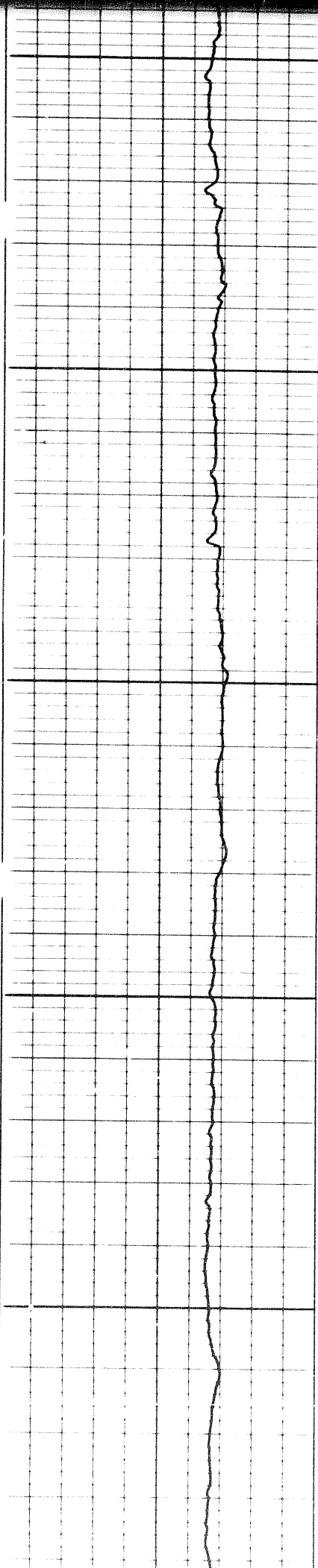


2800

2900

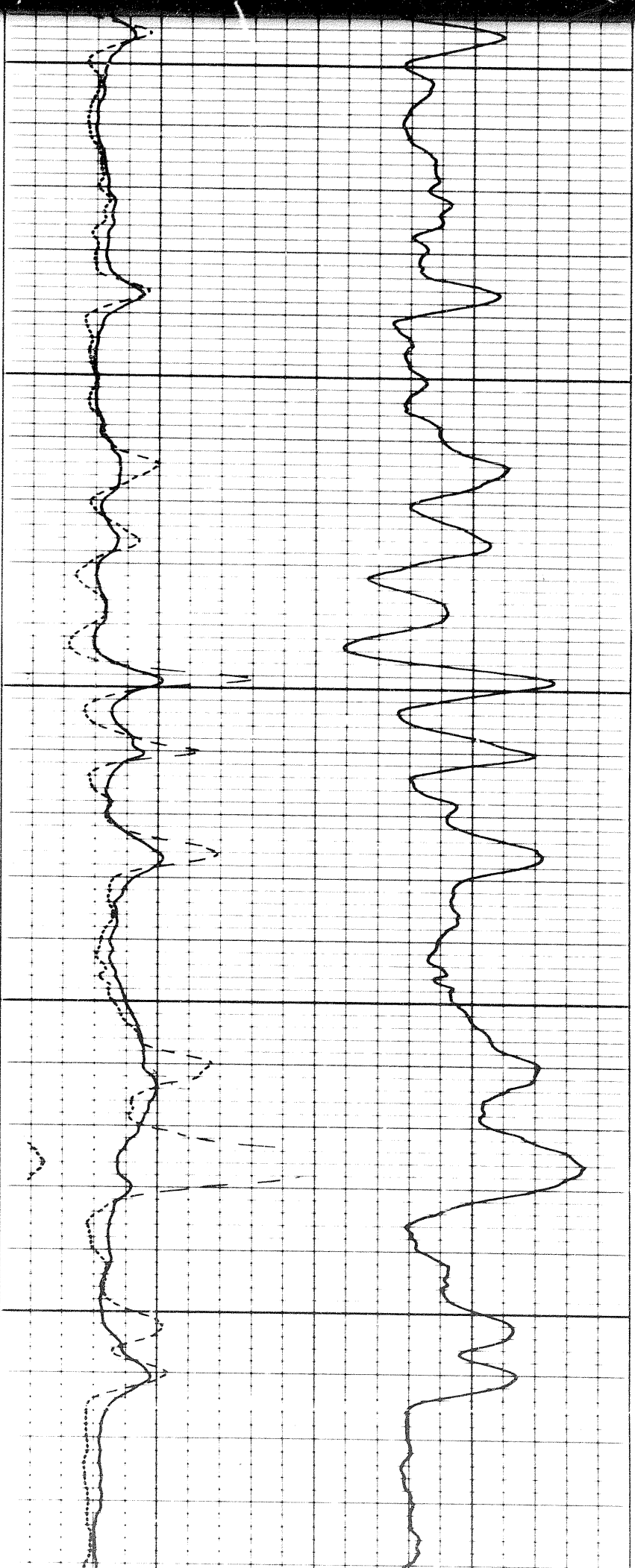
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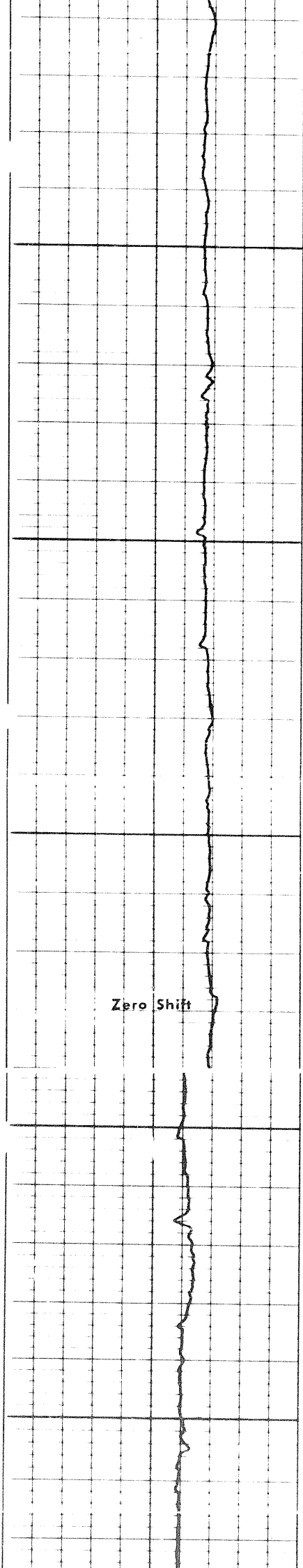
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3000

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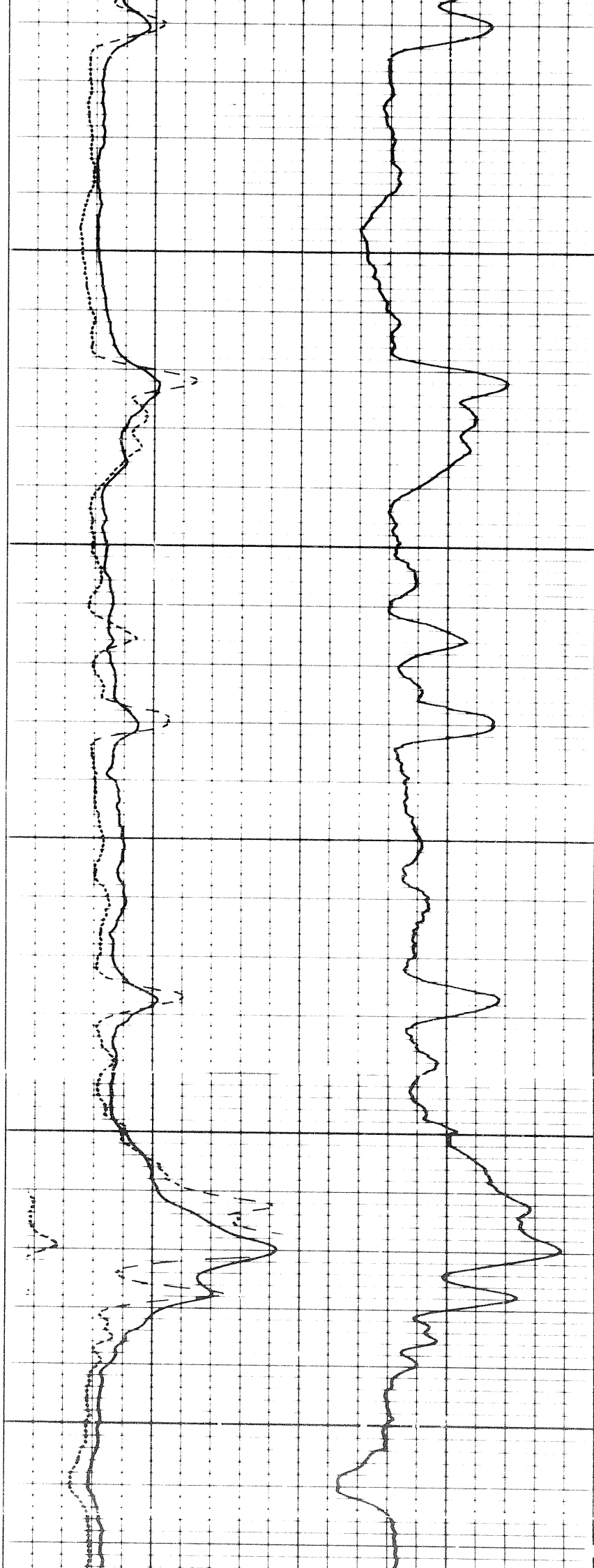


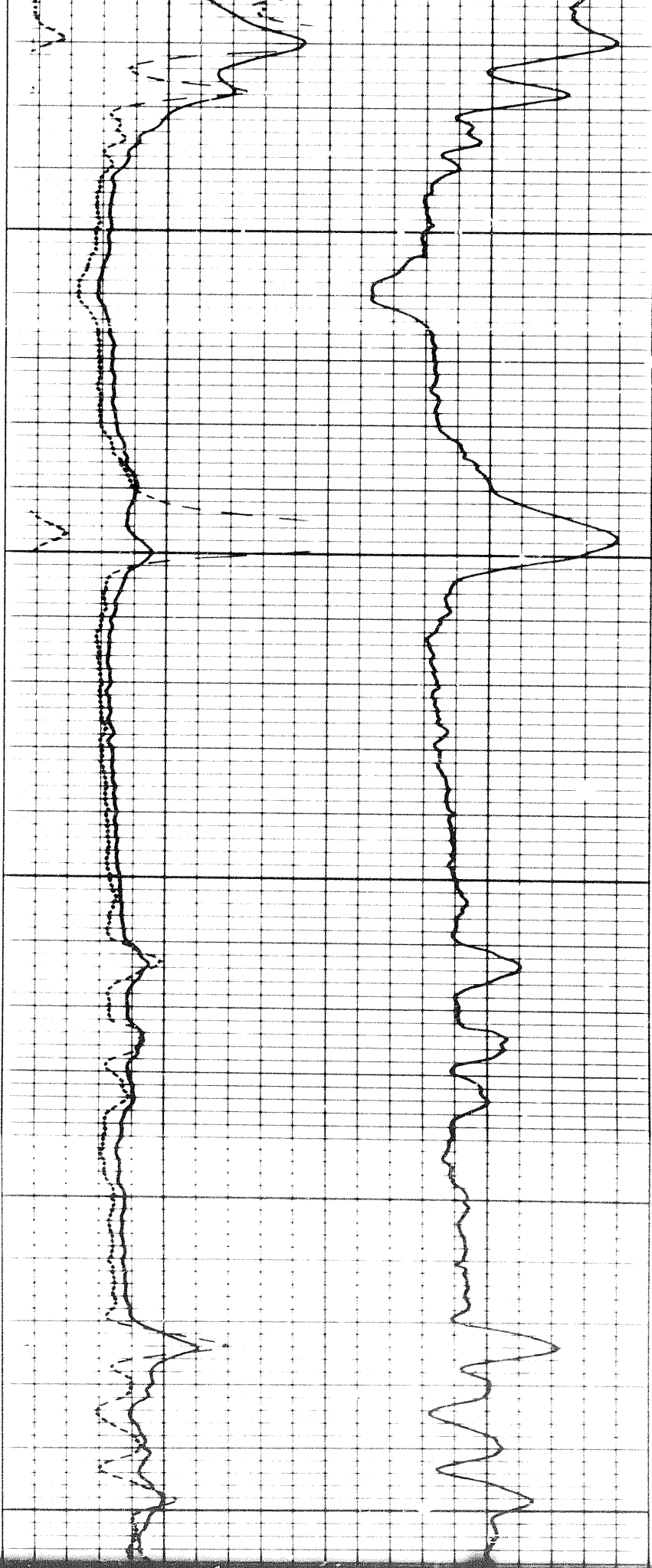


3200

3300

3400



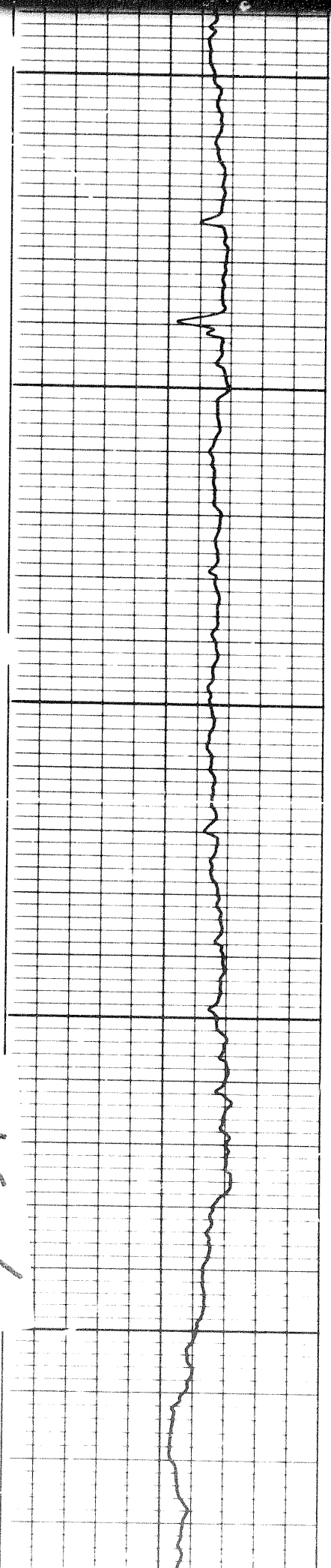


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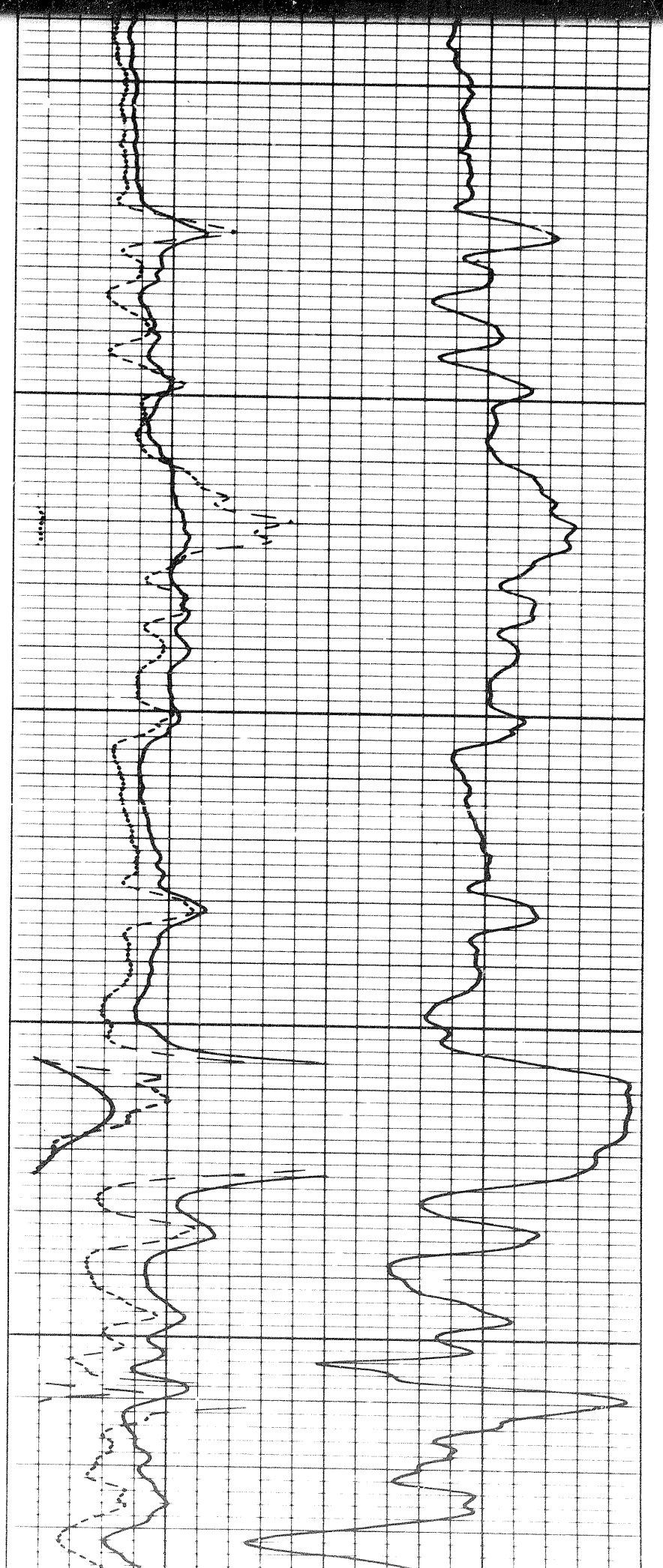
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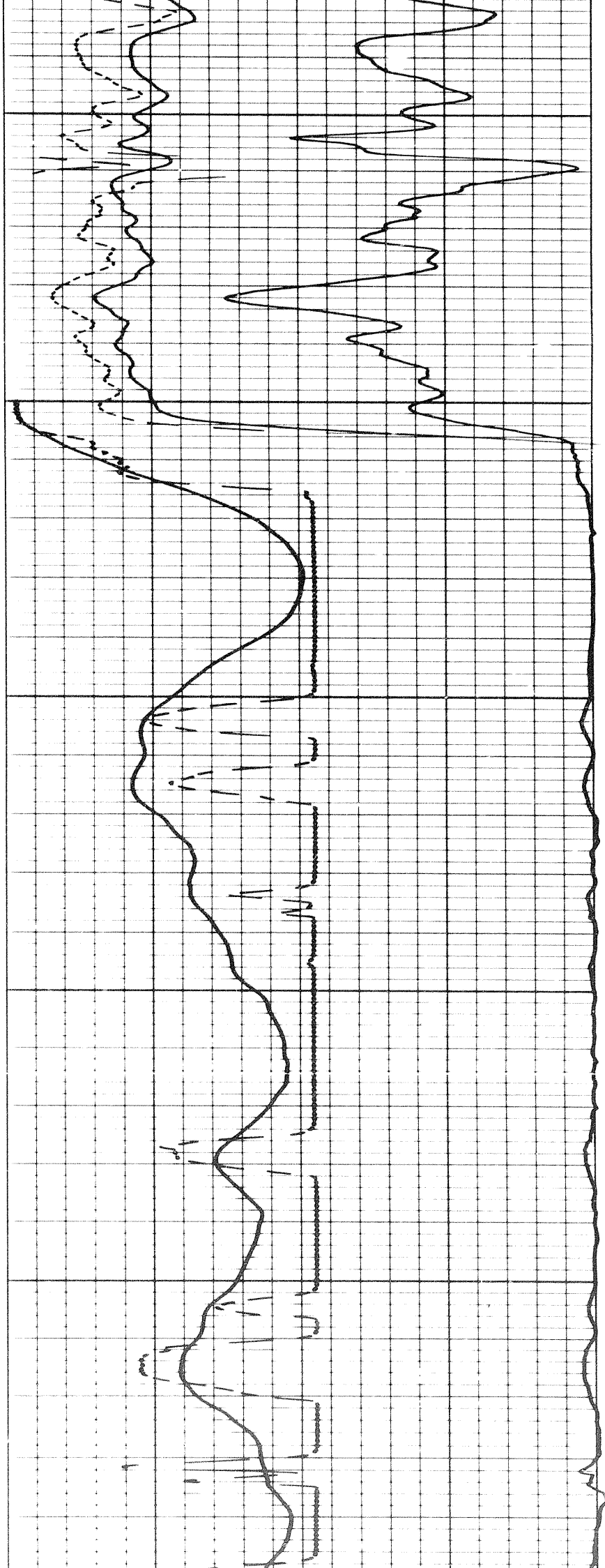
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3600

3700

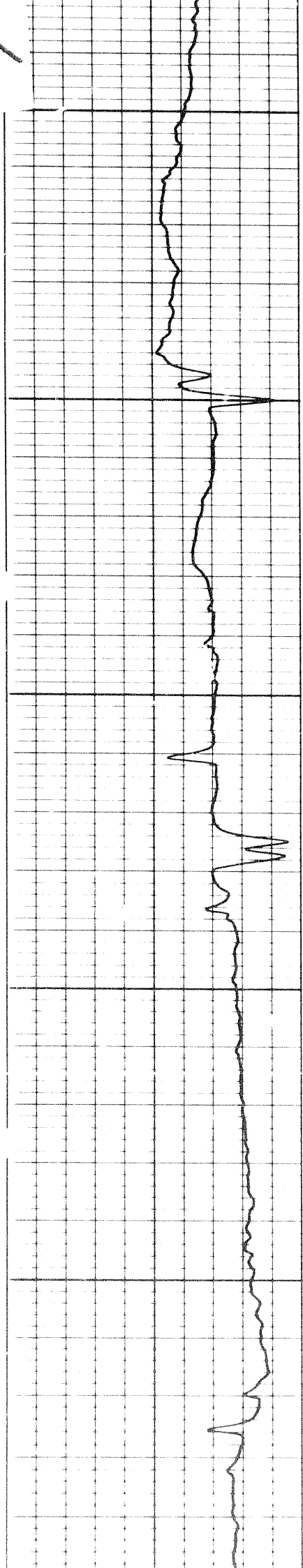


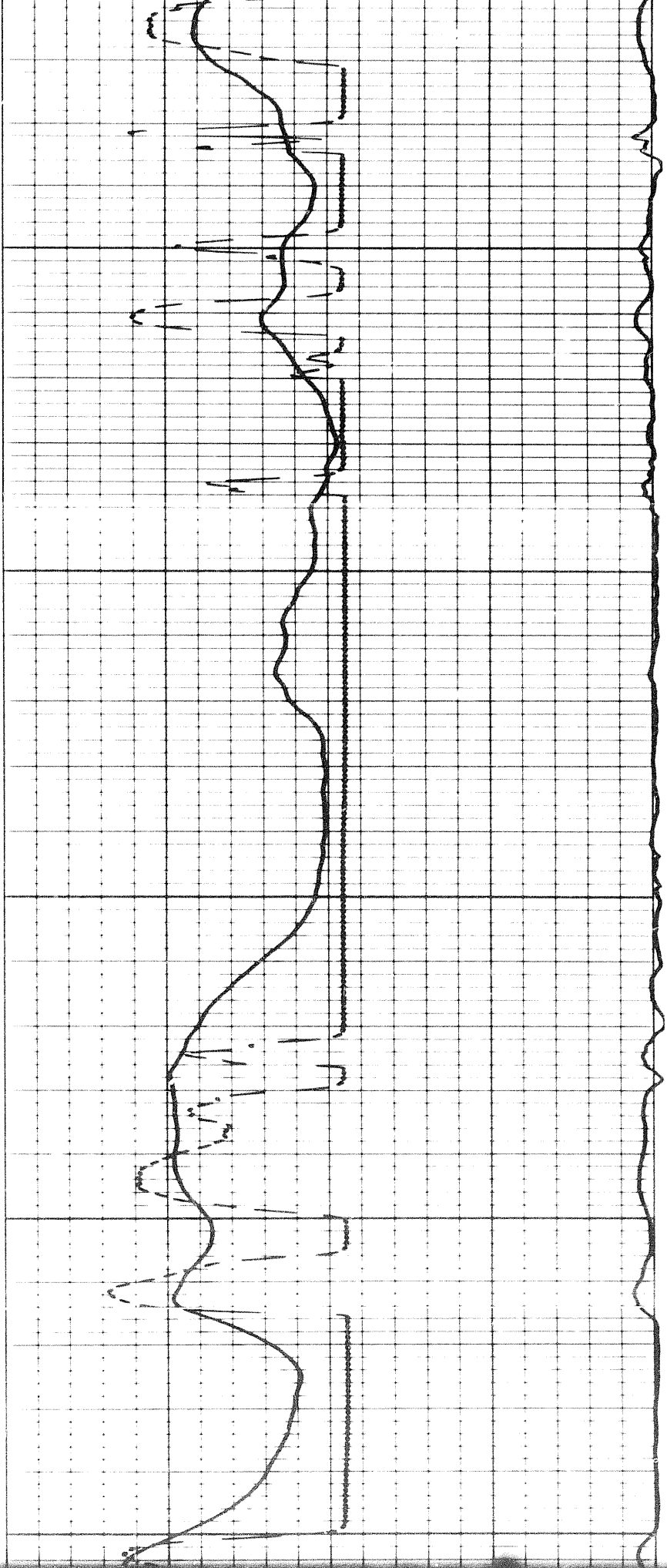


3800

3900

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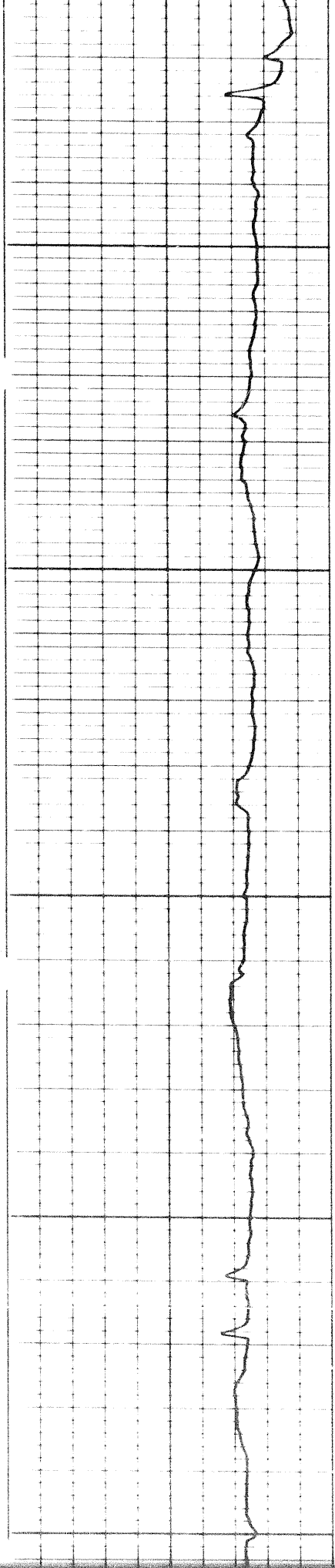




4000

4100

4200



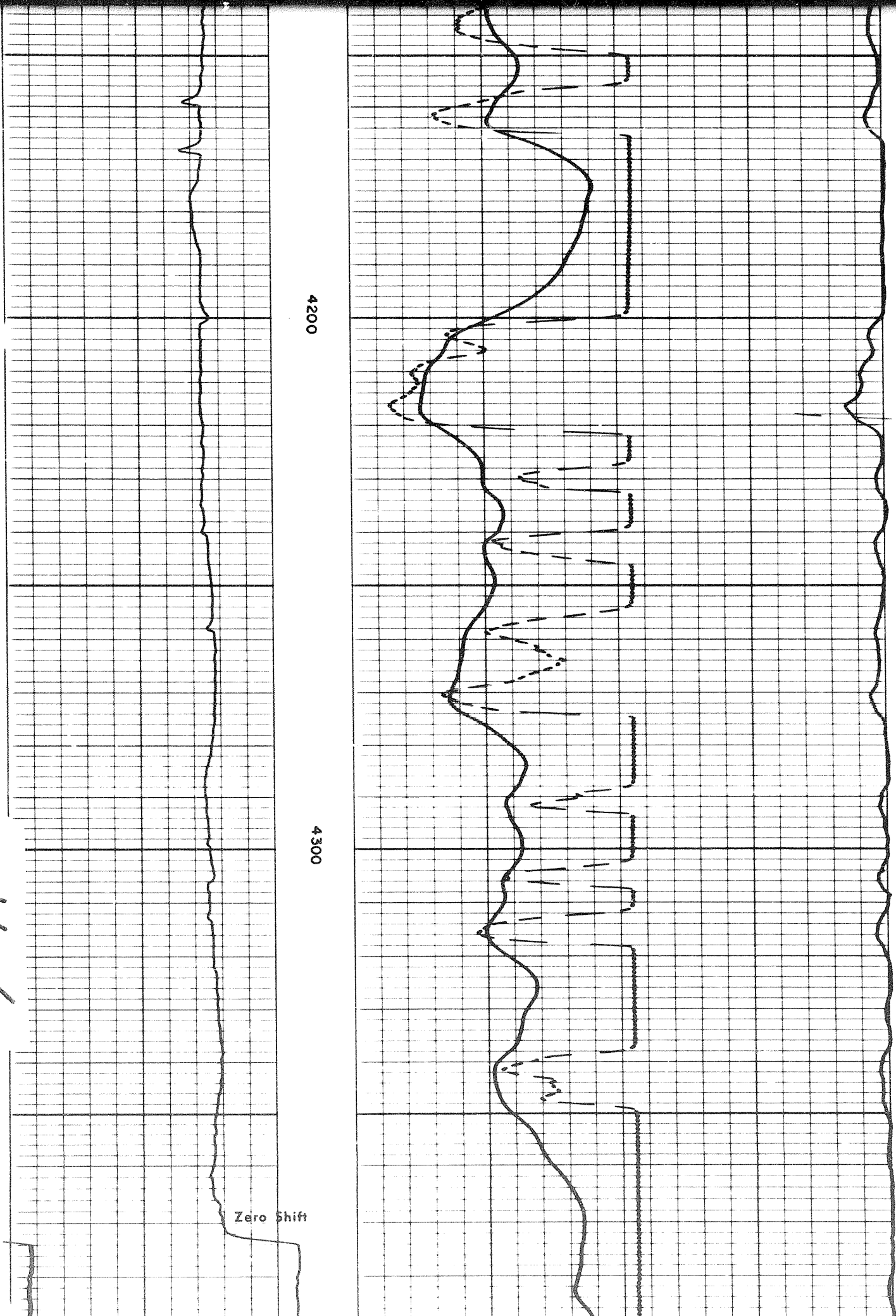
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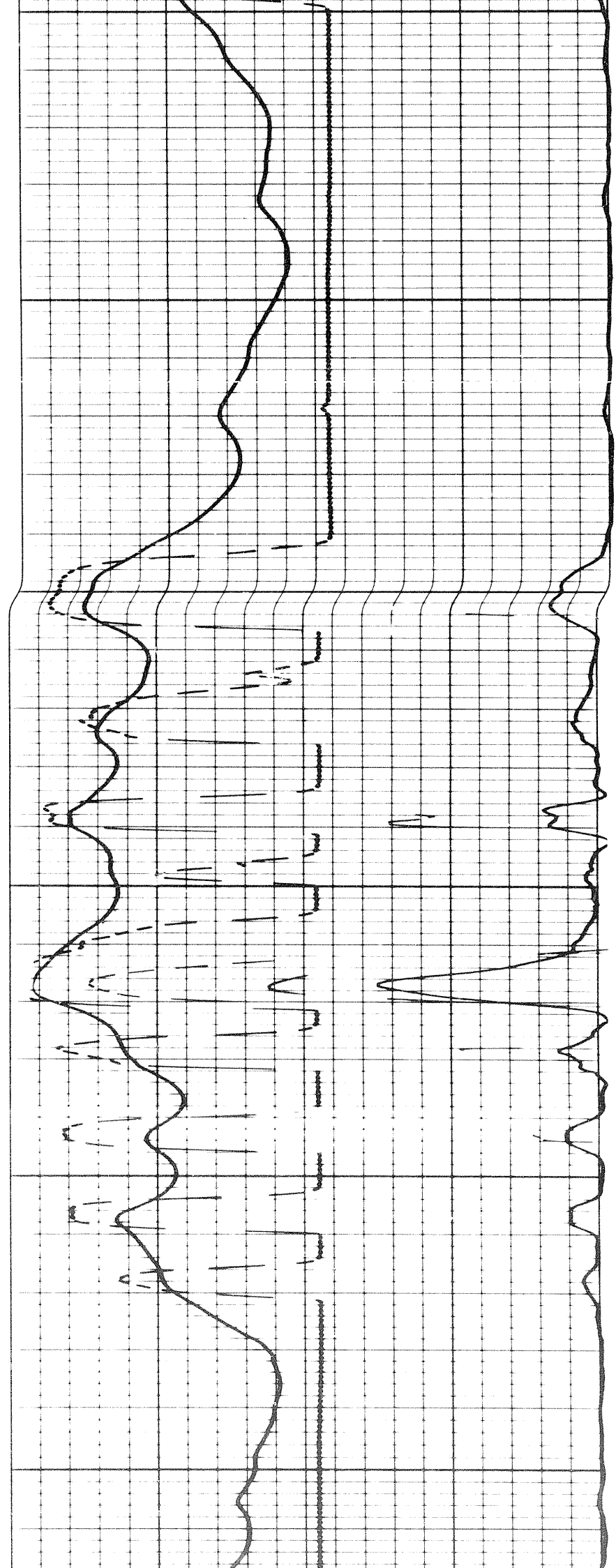
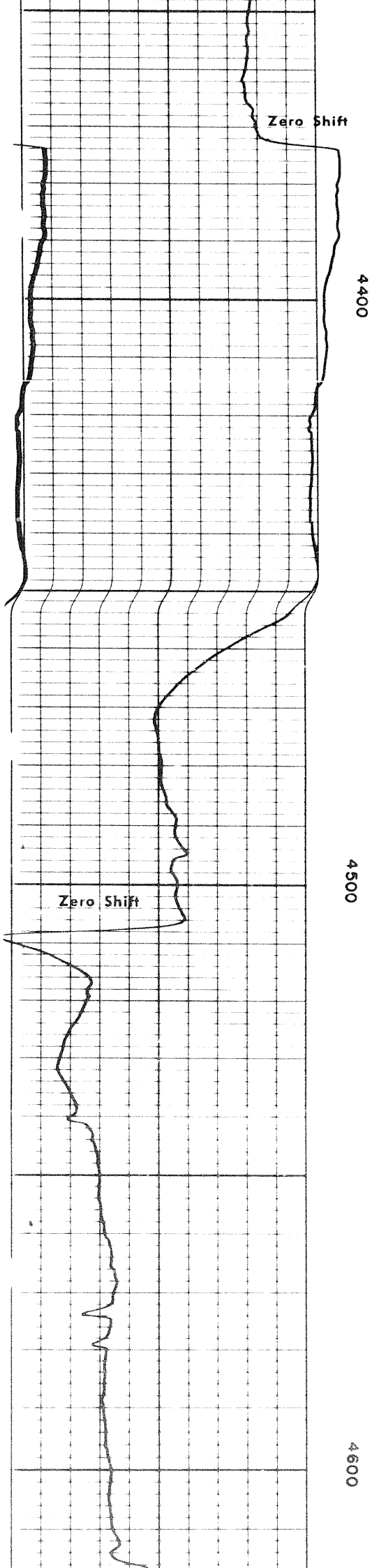
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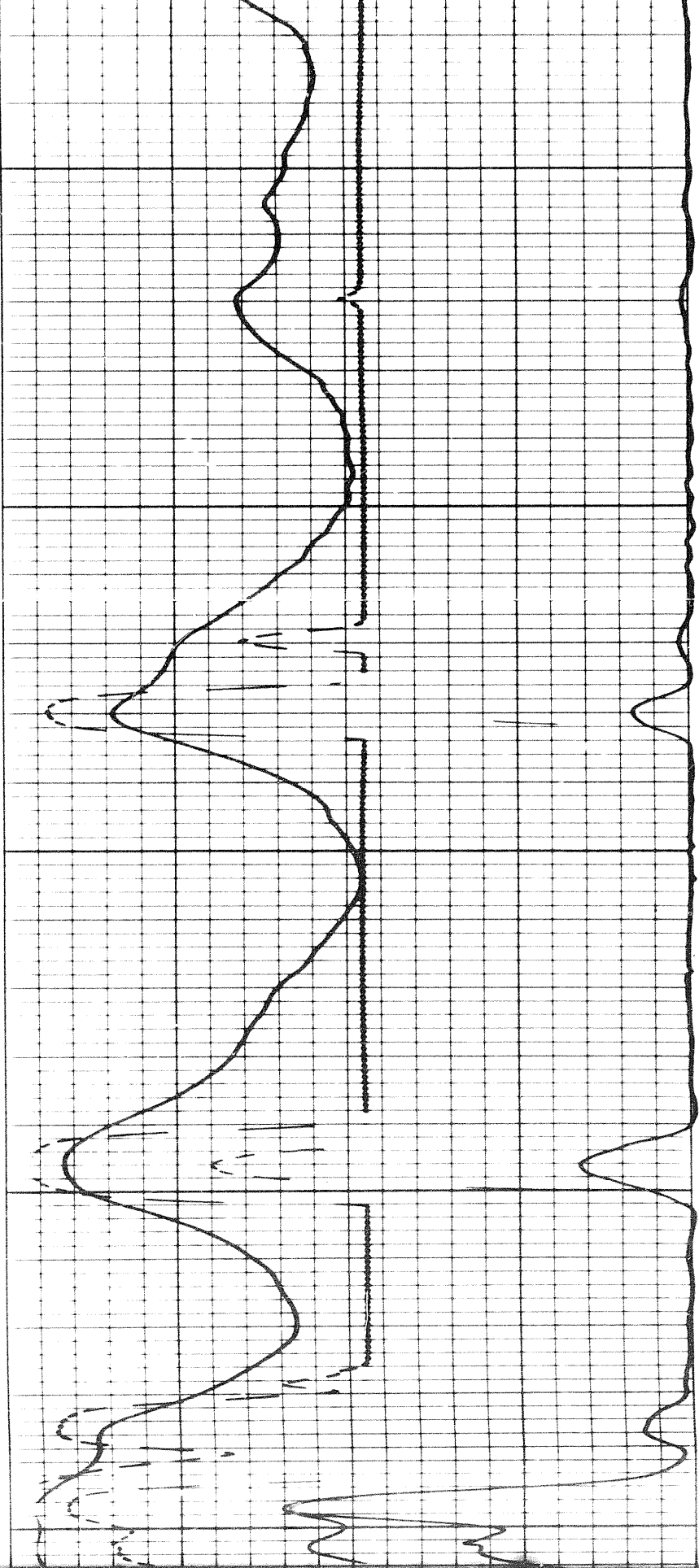
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Zero Shift

1107



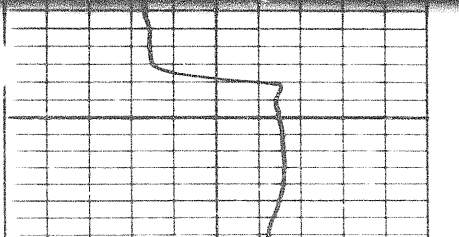
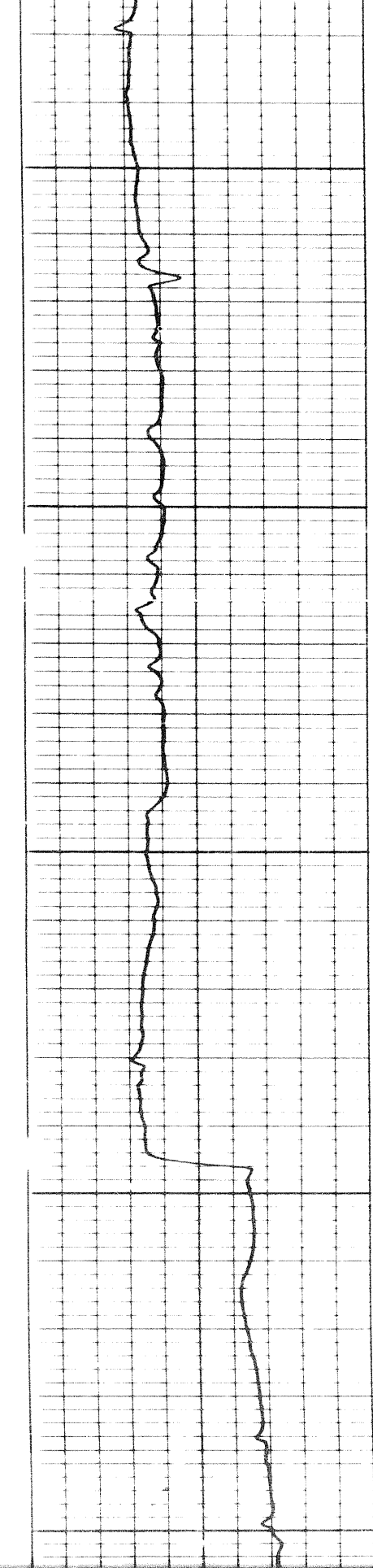




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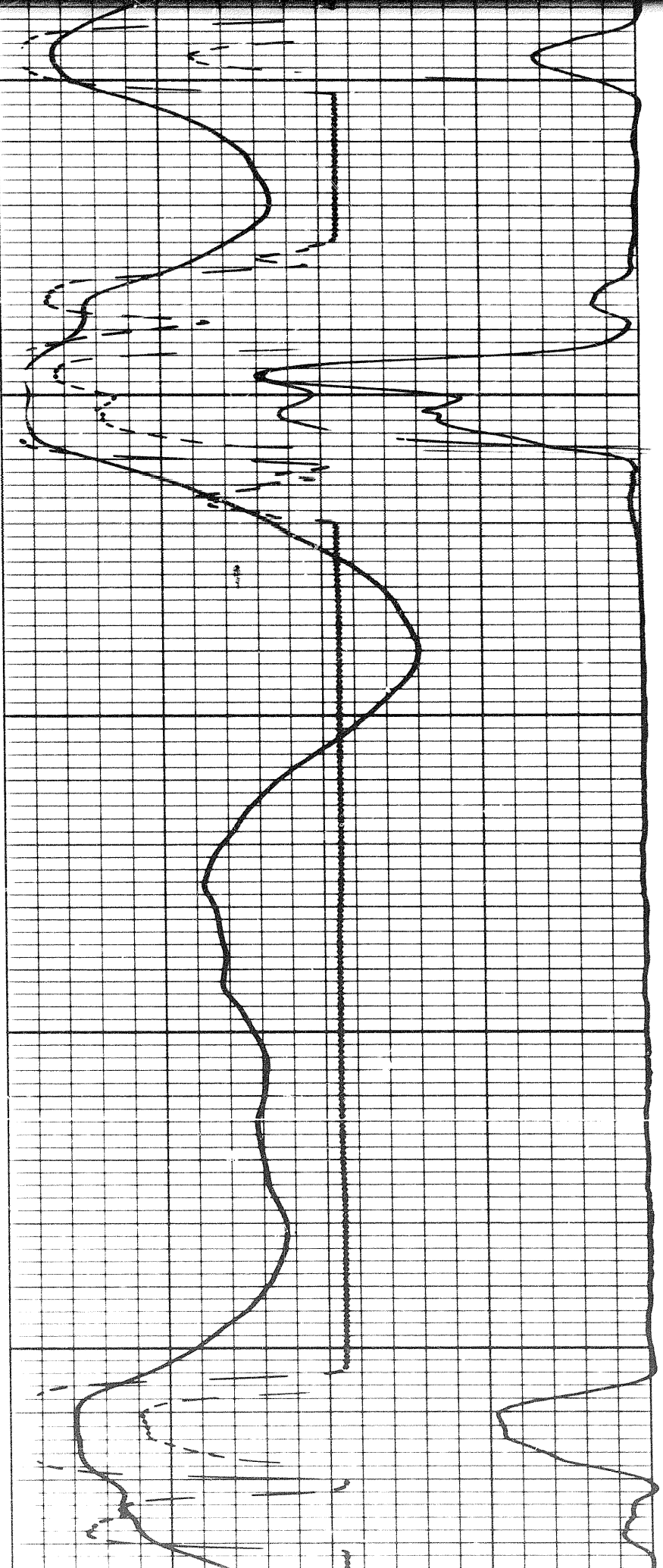
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4800



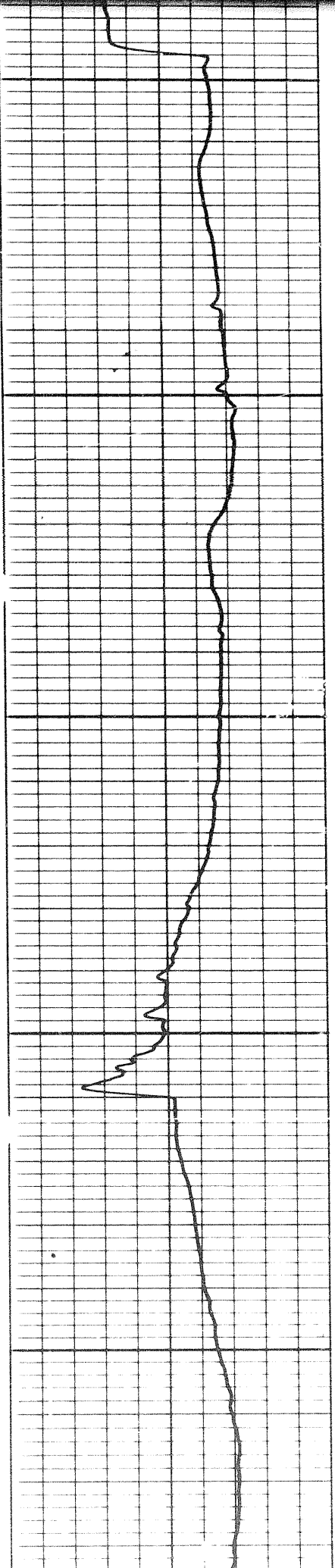


4800



4800

4900



1292

Speed in FPM



0	500
0	50
INDUCTION	
0	500
0	50
16" NORMAL	
RESISTIVITY ohms m/m	

SPONTANEOUS-POTENTIAL millivolts	DEPTH	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms m/m}}$
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DETAIL LOG
5" = 100' RUN #2

SPONTANEOUS-POTENTIAL millivolts	DEPTH	CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms m/m}}$
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SPONTANEOUS-POTENTIAL millivolts	DEPTH	INDUCTION
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Speed in FPM

DETAIL LOG

5" = 100'

RUN #2

SPONTANEOUS-POTENTIAL
millivolts

DEPTHS

CONDUCTIVITY
 $\text{millimhos/m} = \frac{1000}{\text{ohms m/m}}$

INDUCTION

200

100

0

300

200

10

+

RESISTIVITY
ohms m/m

16" NORMAL

0

50

0

500

INDUCTION

0

50

0

500

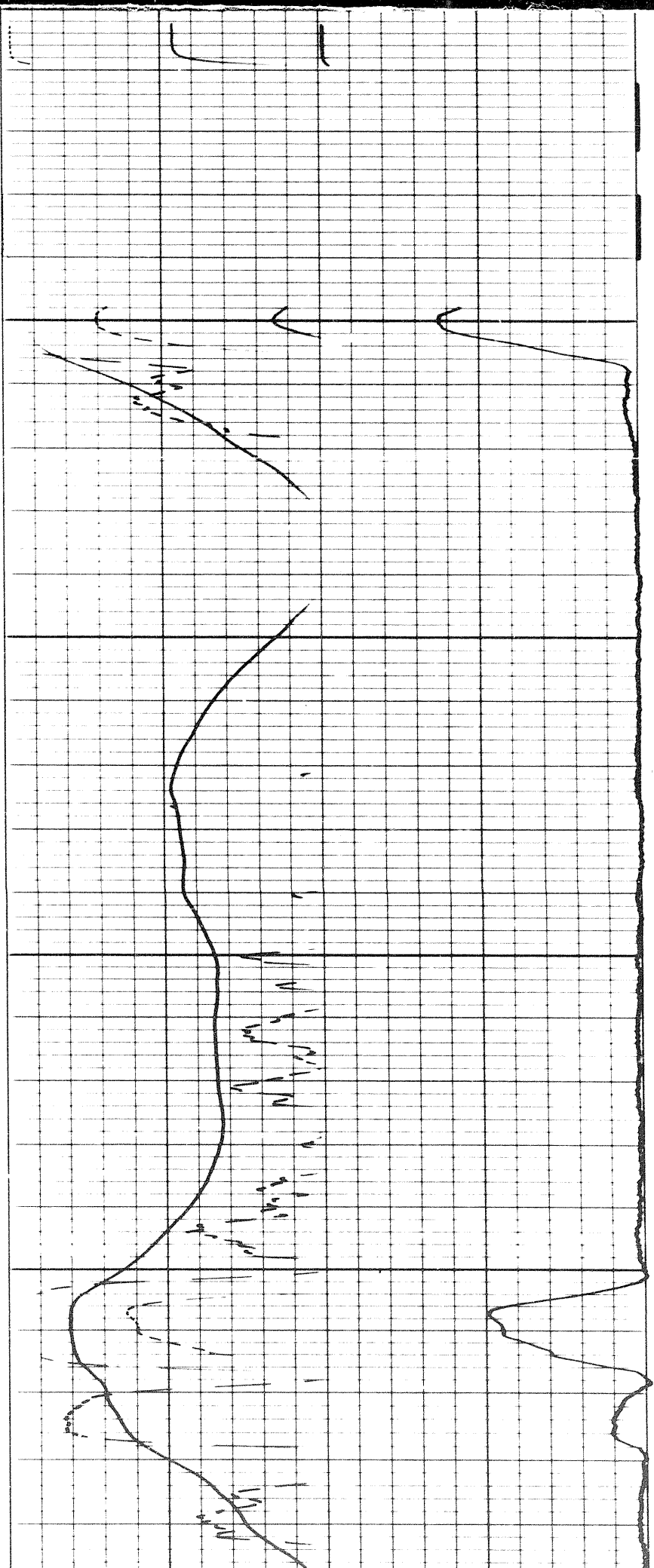
Speed in FPM

4700

Calibration after survey

4800

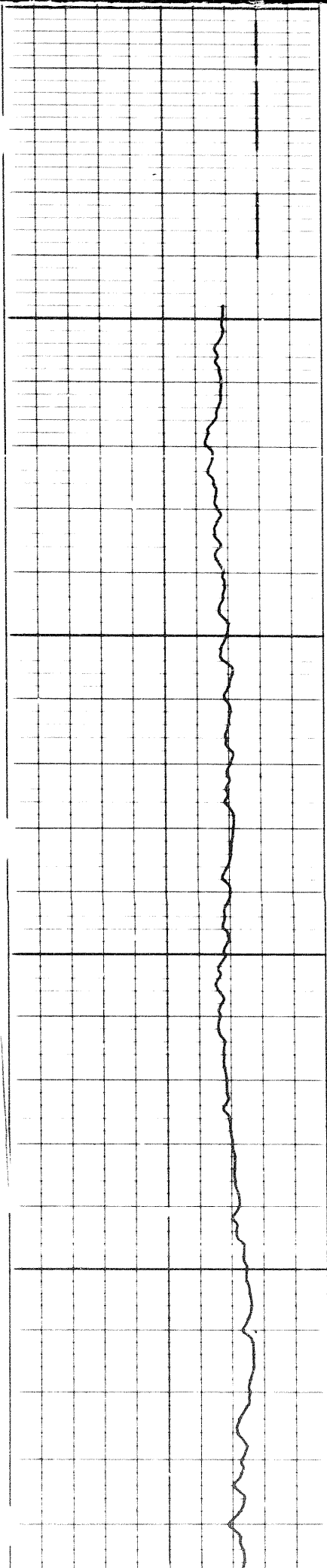
Handwritten scribbles and arrows at the bottom of the grid.



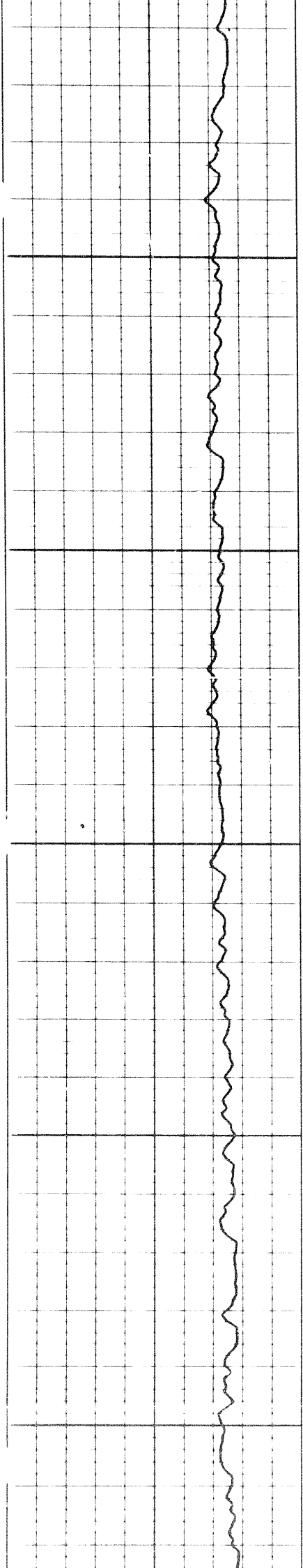
4800

4900

5



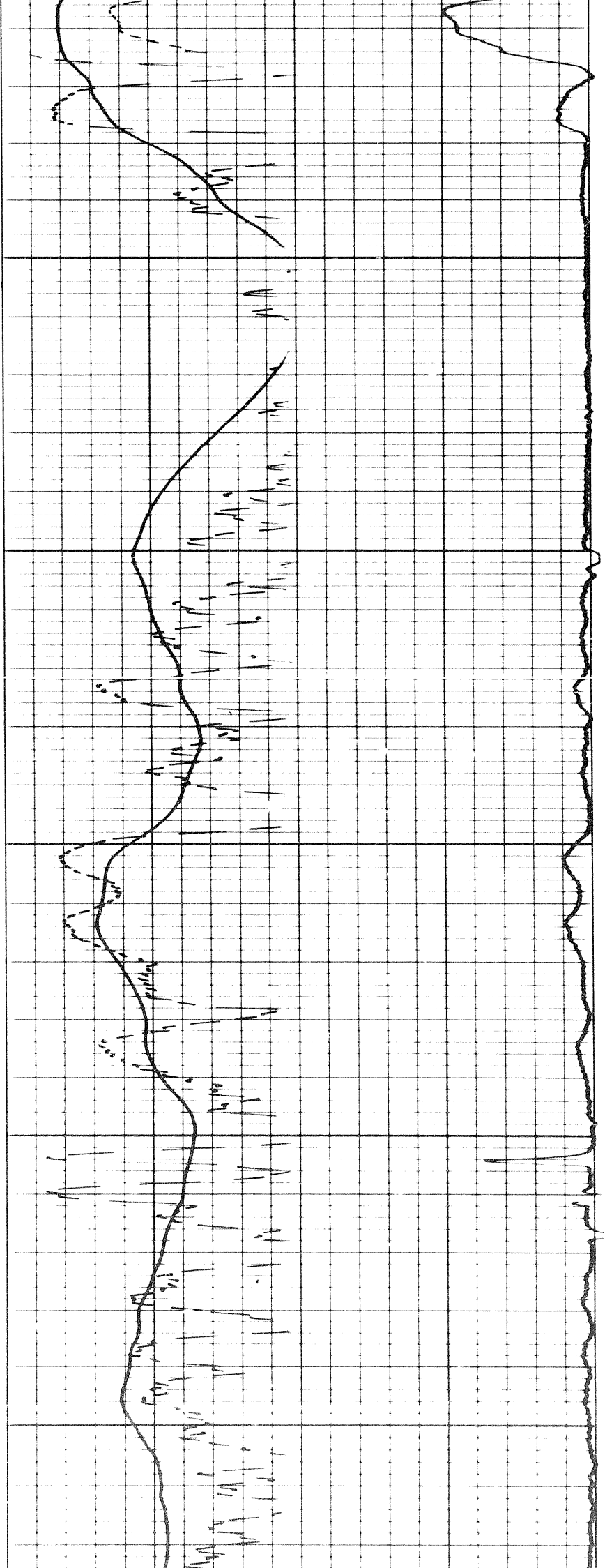
1307

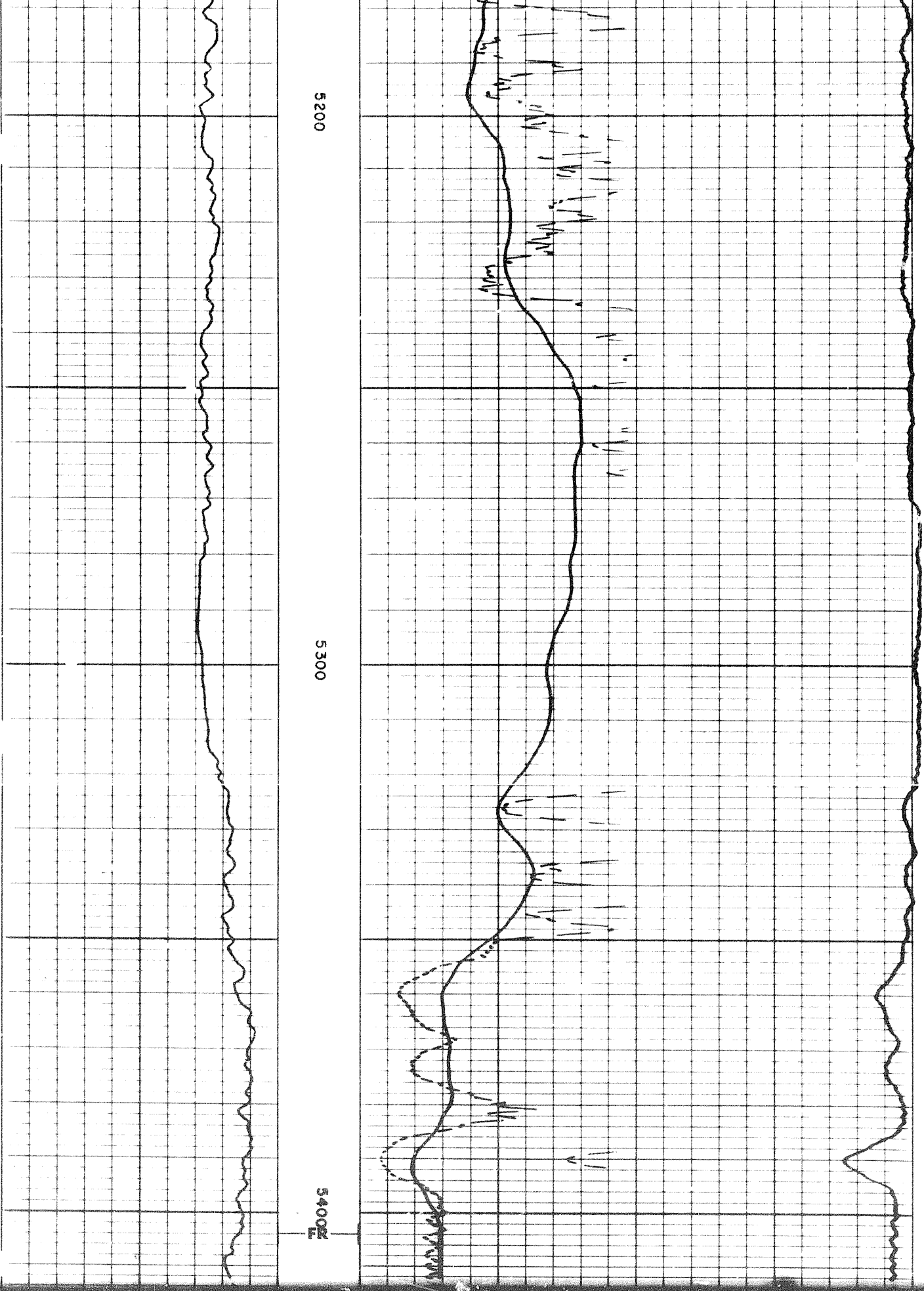


5000

5100

5200



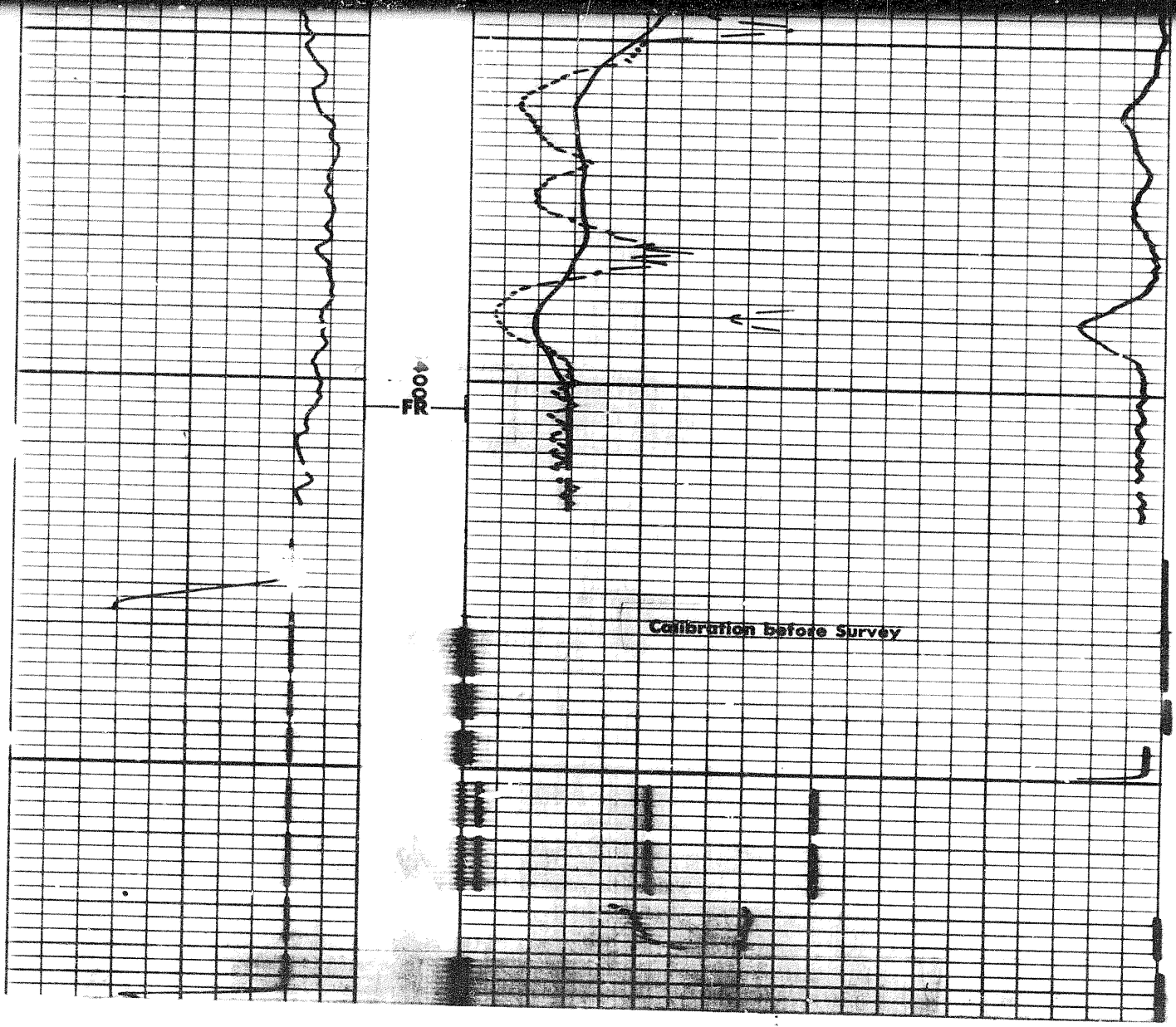


5200

5300

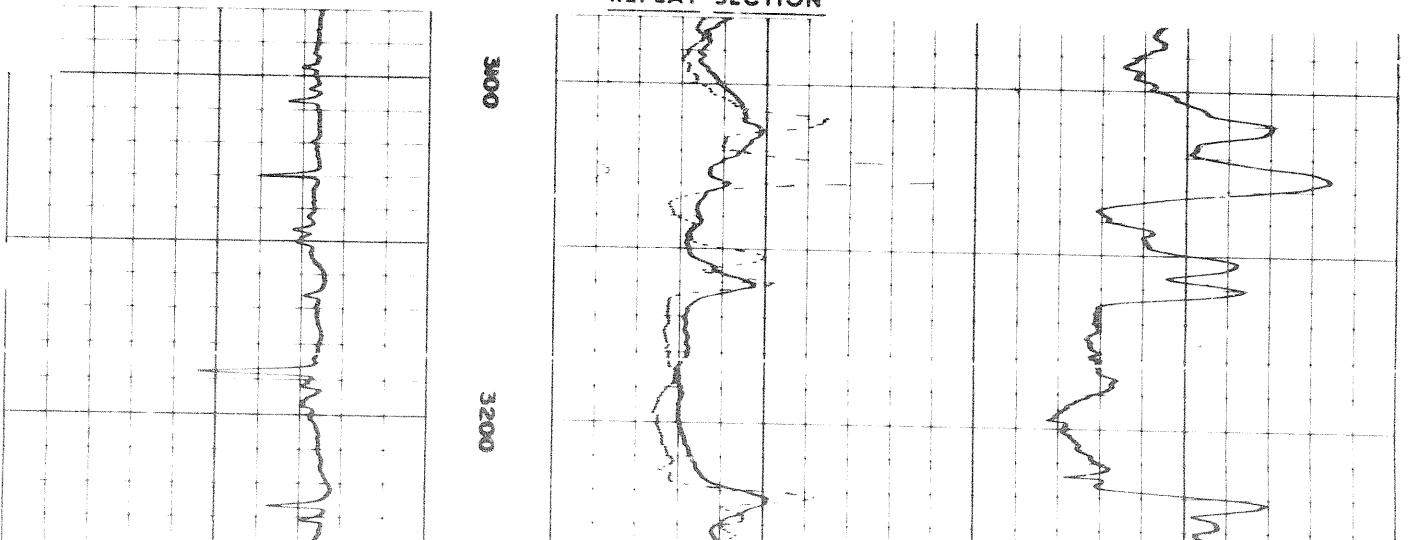
5400

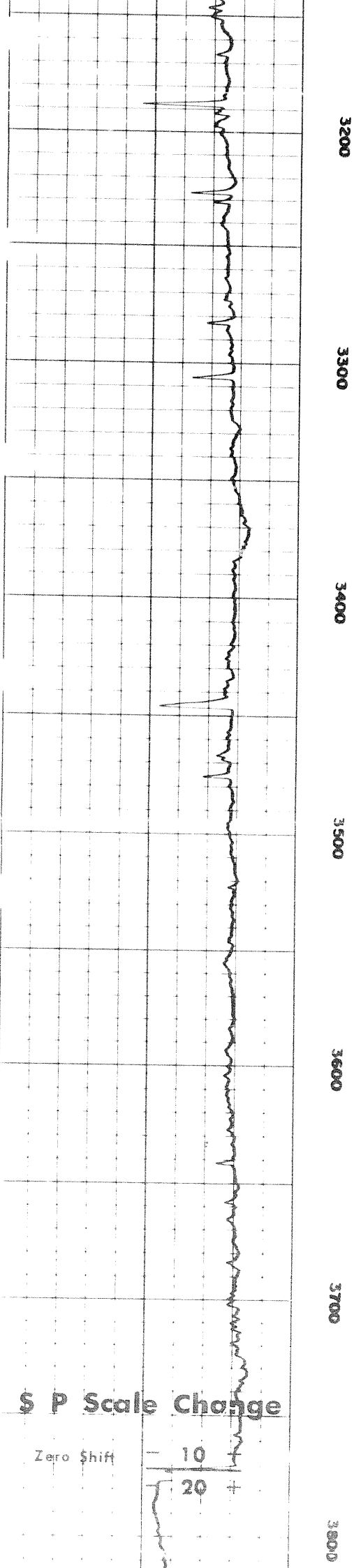
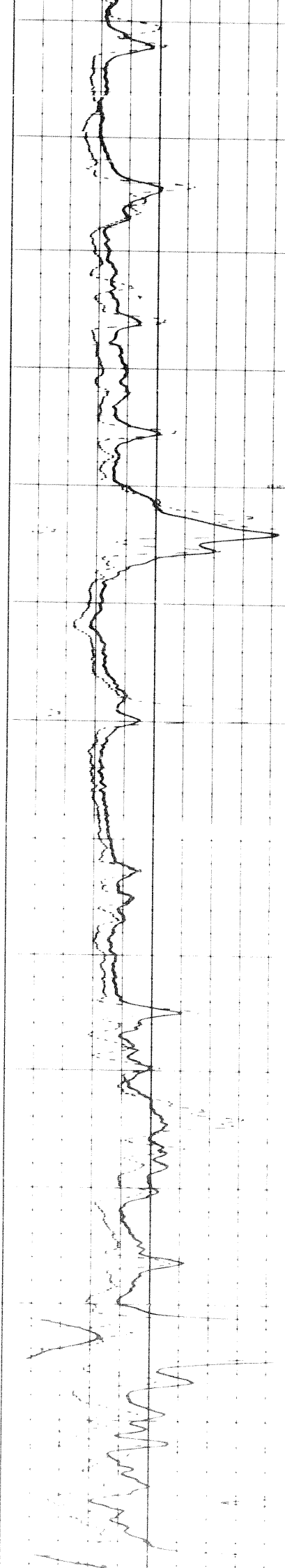
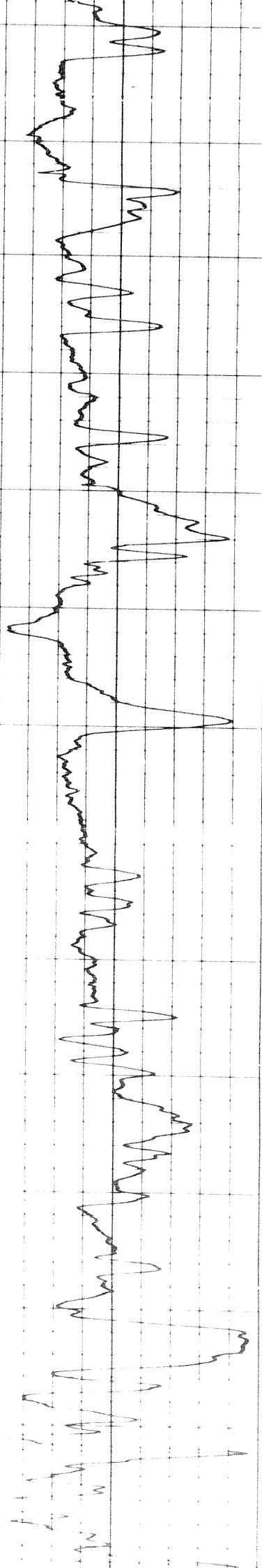
14 of



RUN #1

REPEAT SECTION





3200

3300

3400

3500

3600

3700

3800

S P Scale Change

Zero Shift	-	10
	+	20

S P Scale Change

Zero Shift

10

20

3700

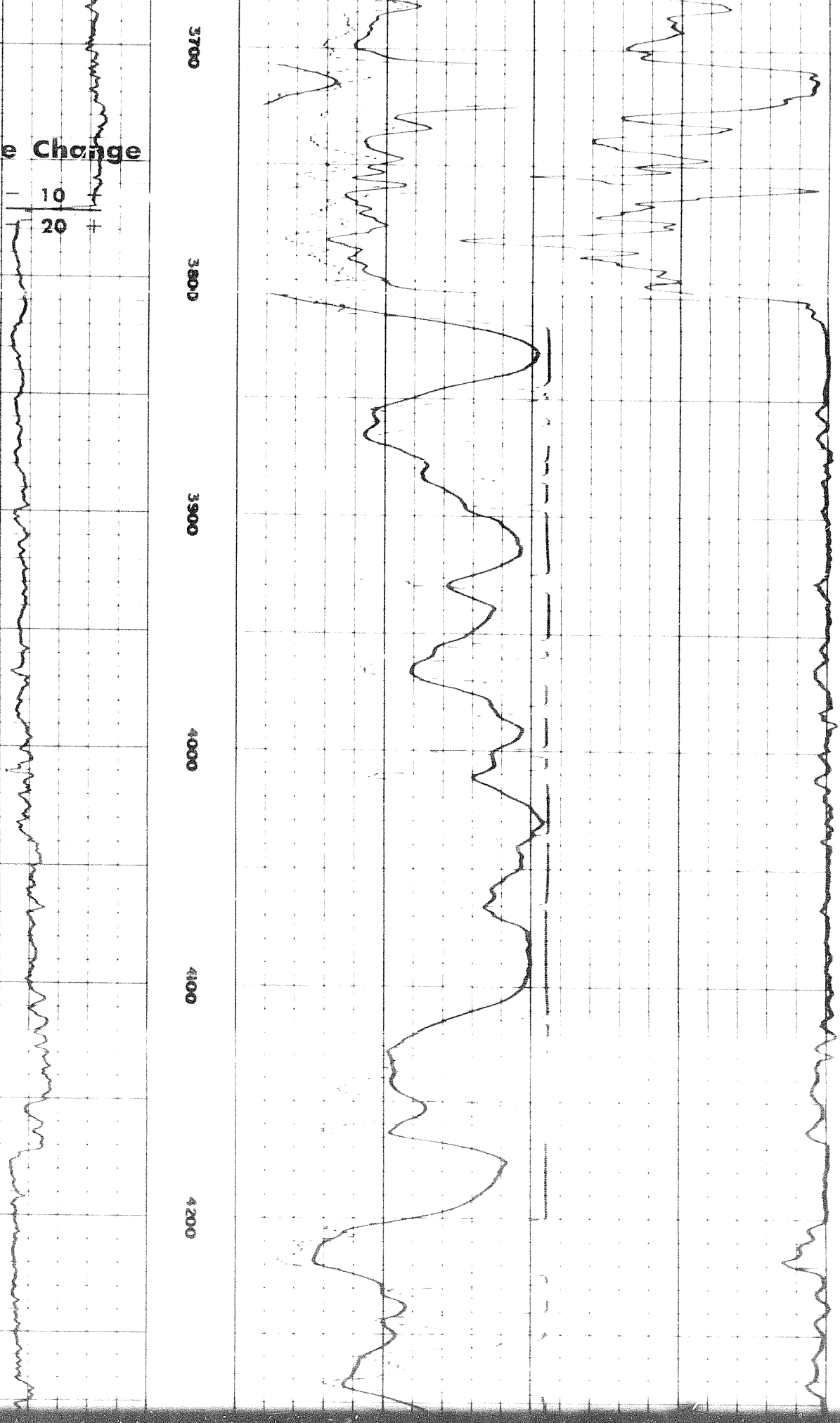
3800

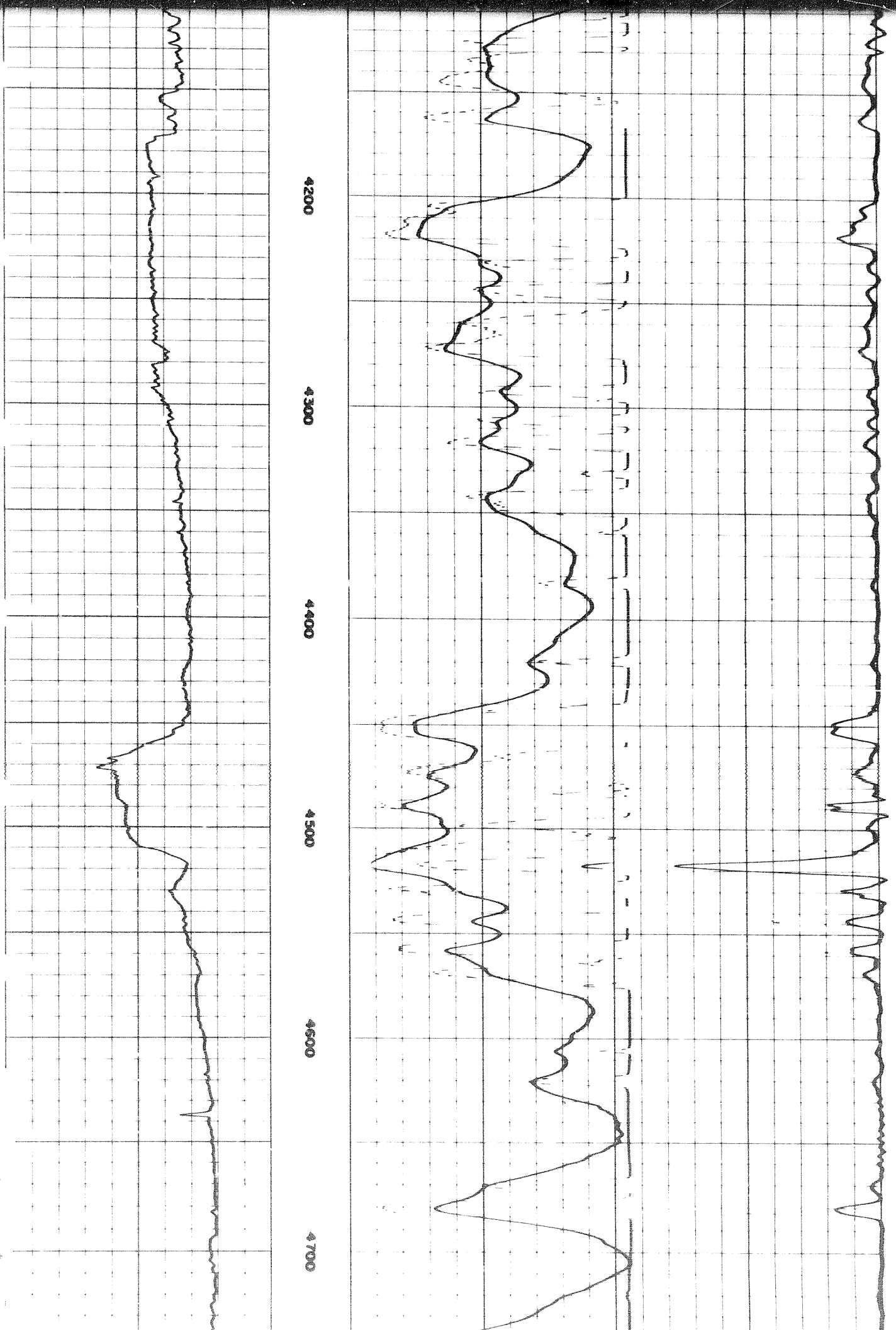
3900

4000

4100

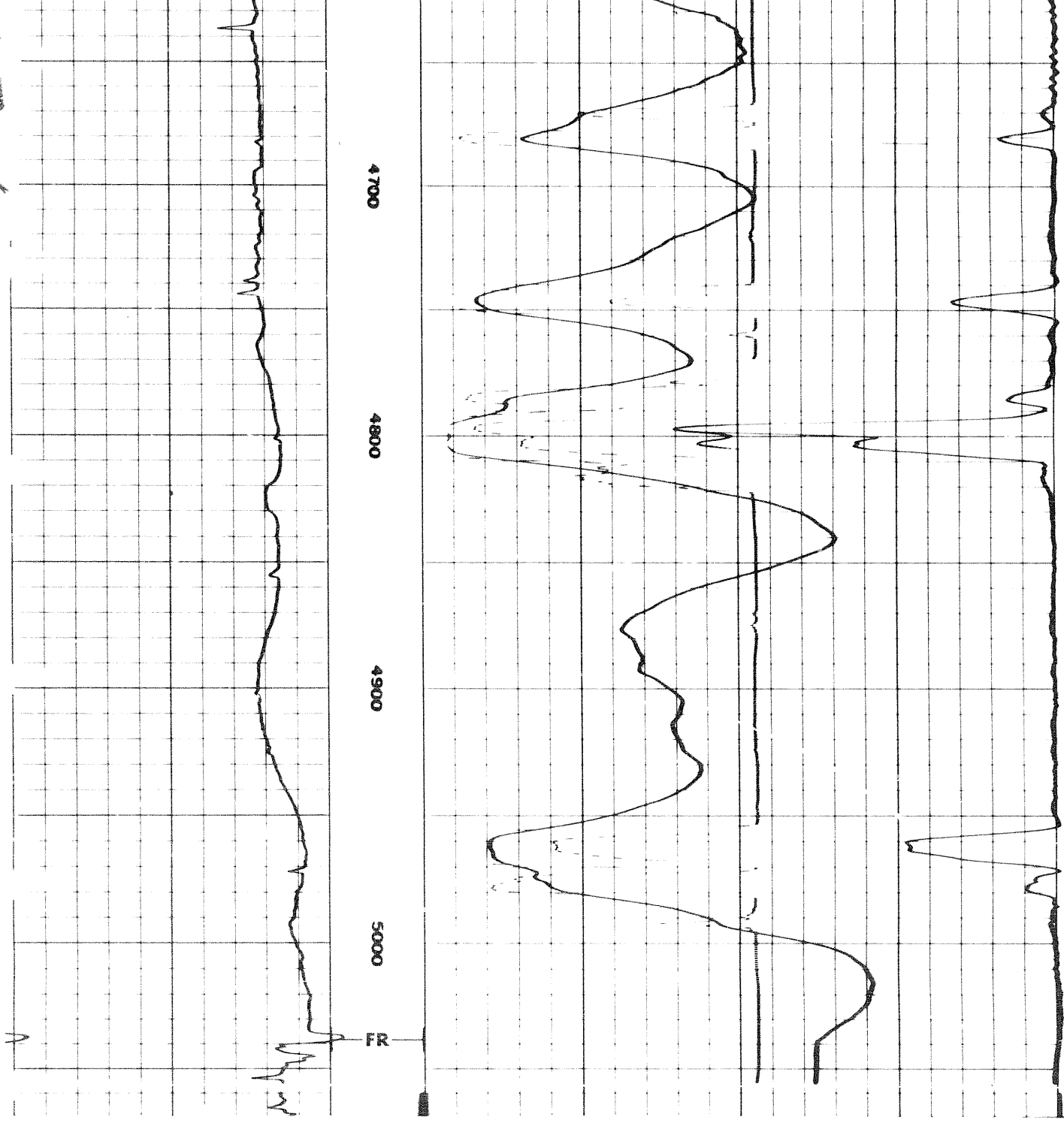
4200





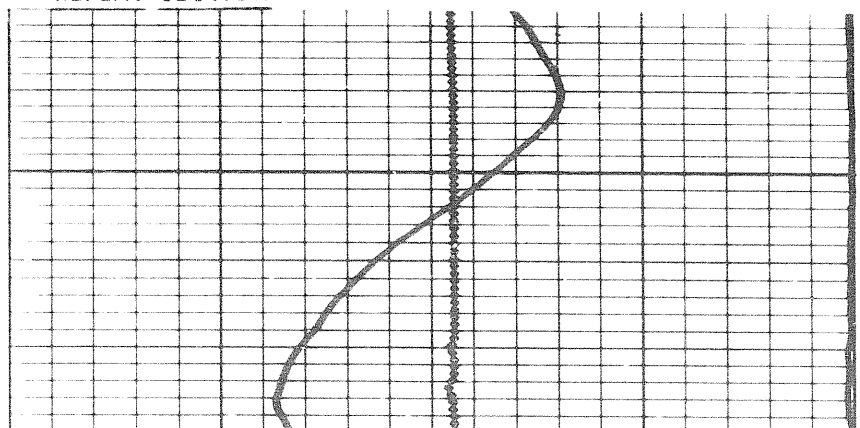
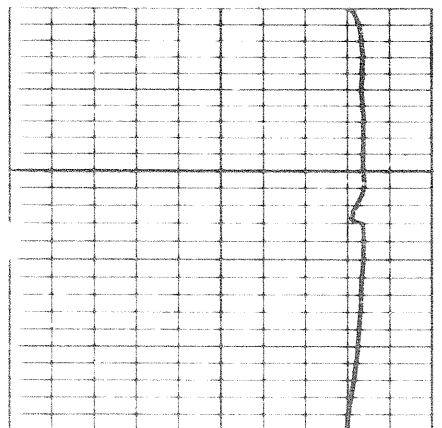
1507

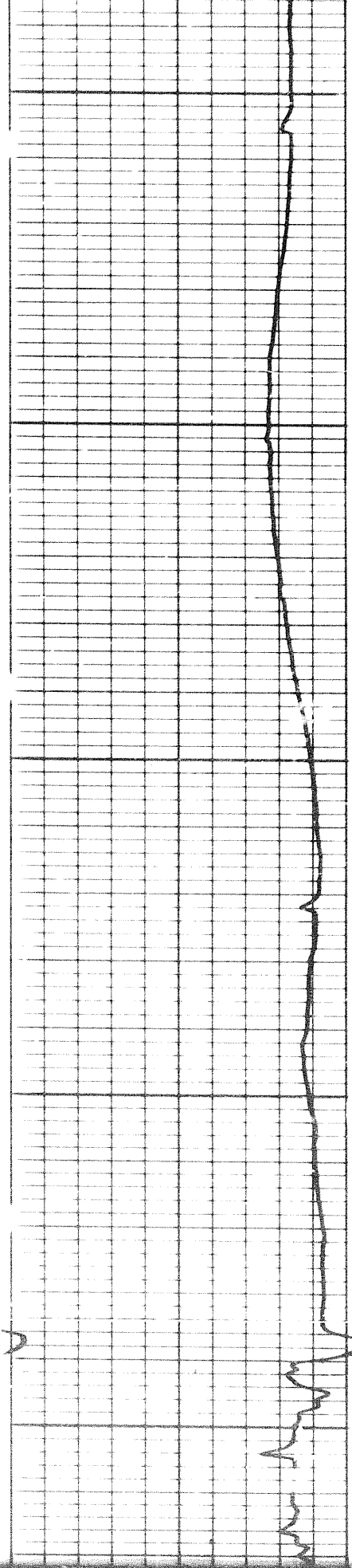
1501



RUN #1

REPEAT SECTION

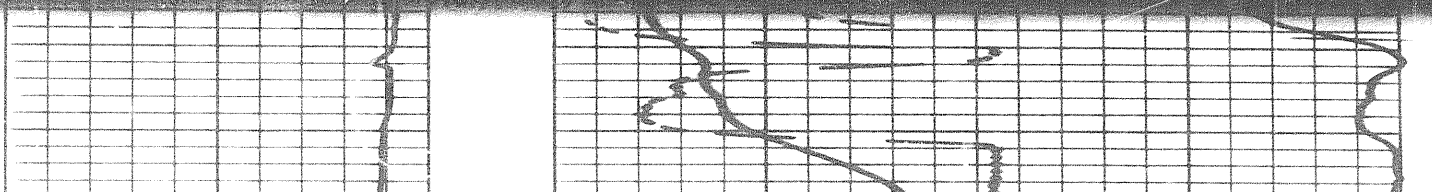
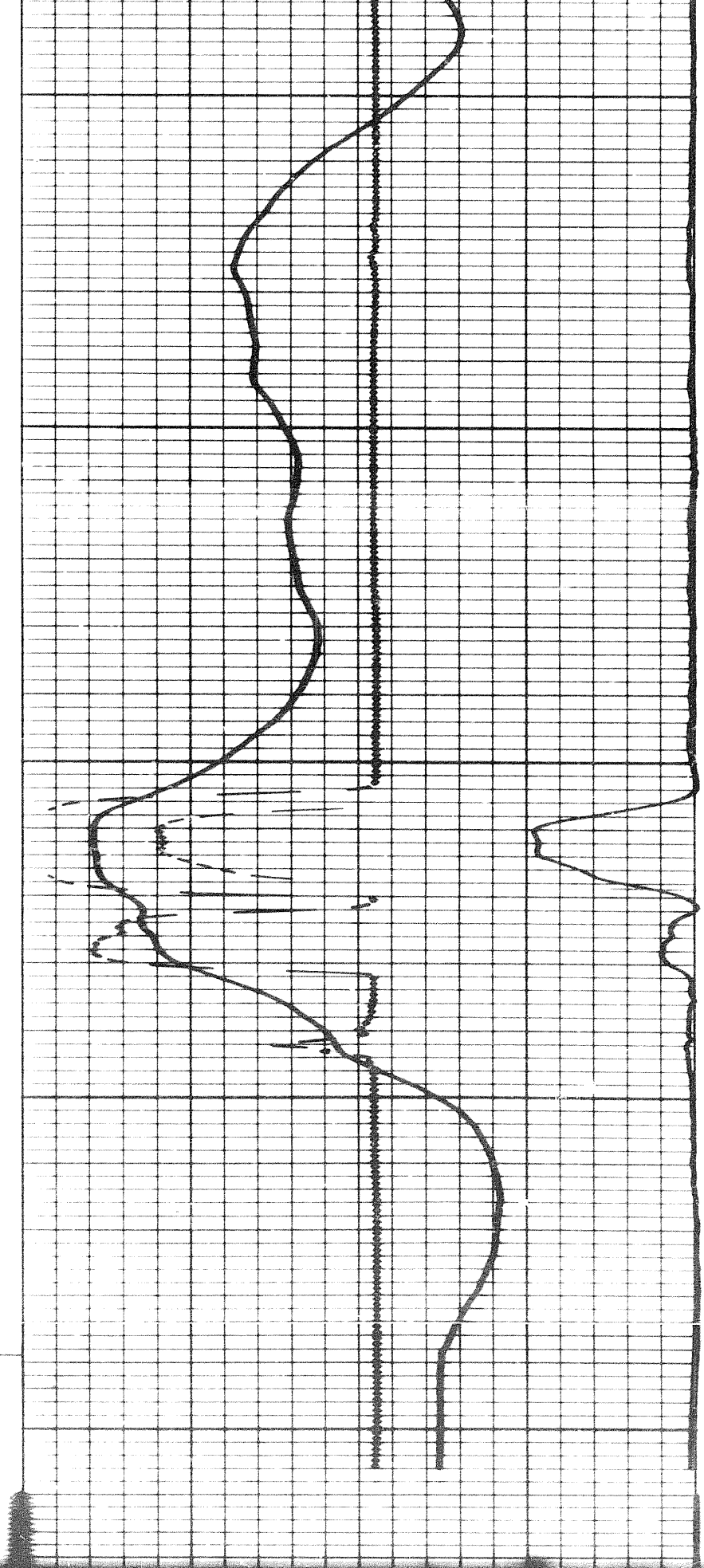




4900

5000

FR



16 of 16

Speed in FPM

20

5000

FR

5000

0	500
0	50
INDUCTION	
0	500
0	50
16" NORMAL	
RESISTIVITY ohms m'/m	

300 200

200 100 0

INDUCTION

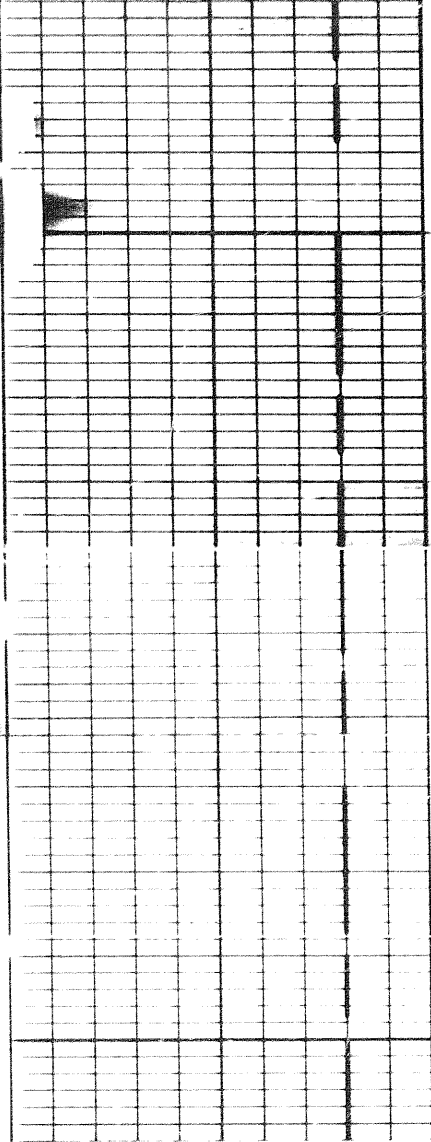
SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms m'/m}}$

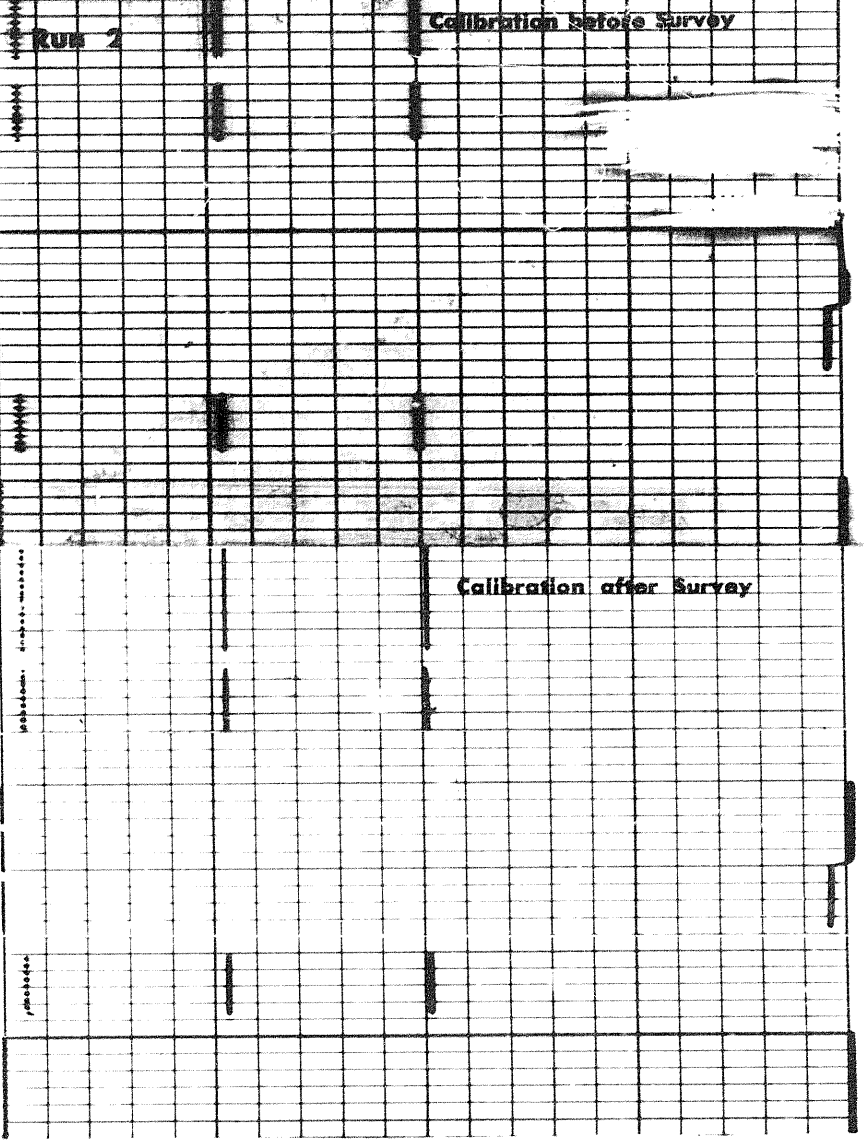
RUN 2

Calibration before Survey

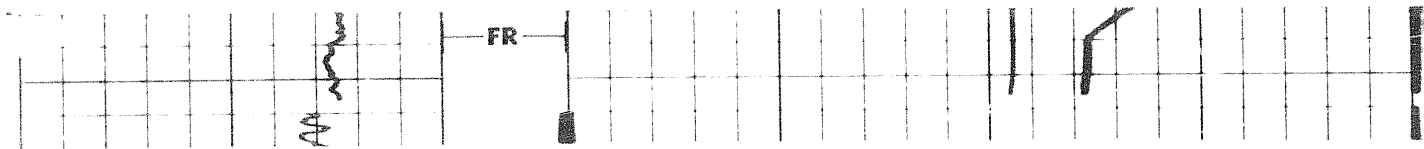


0000

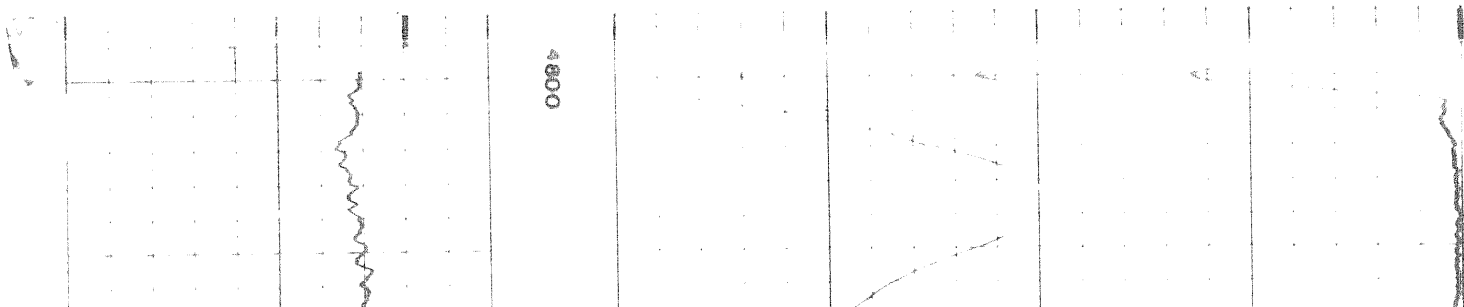
0700



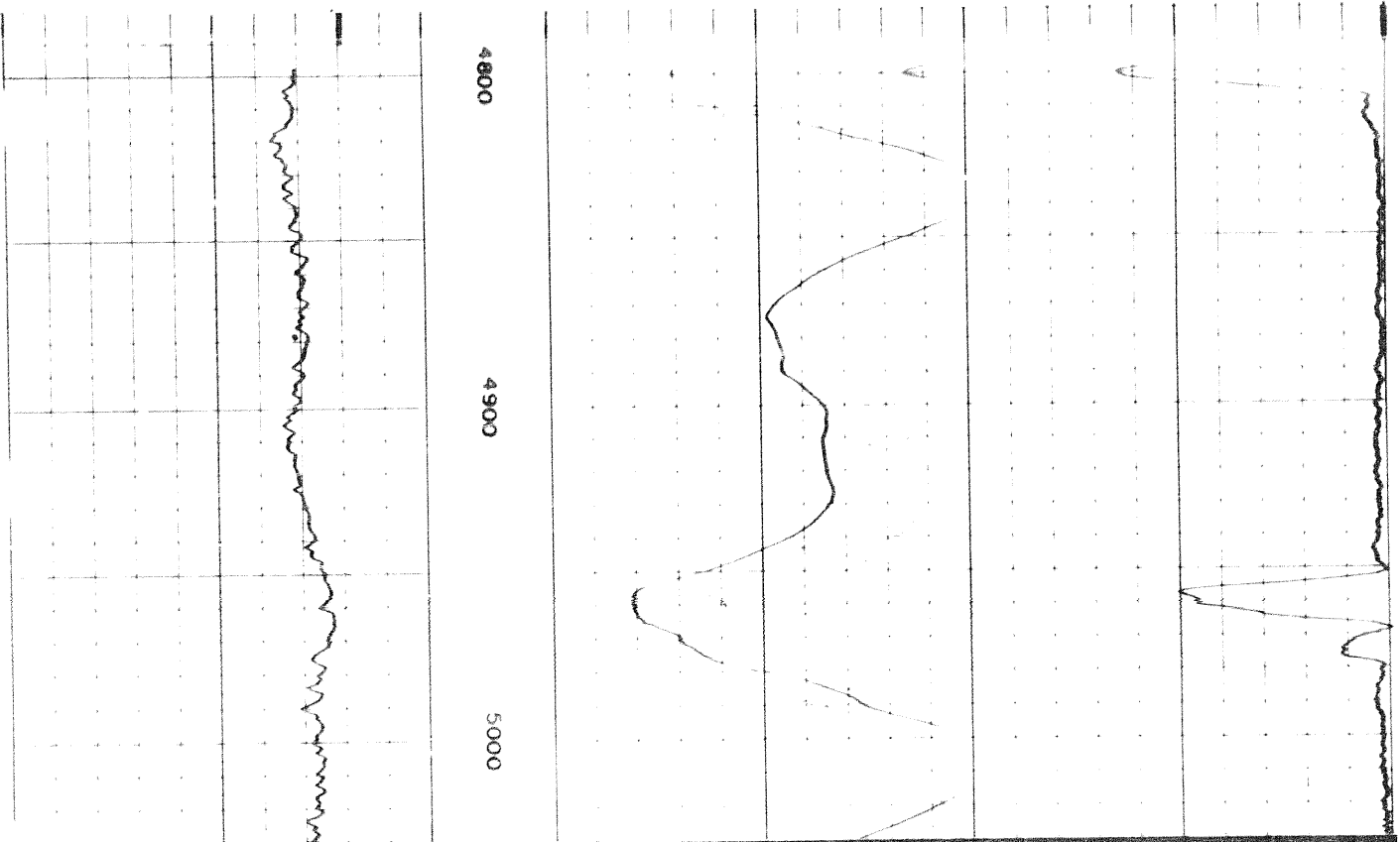
RUN #1 OVERLAP



RUN #2 OVERLAP



RUN #2 OVERLAP



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