

SCHLUMBERGER

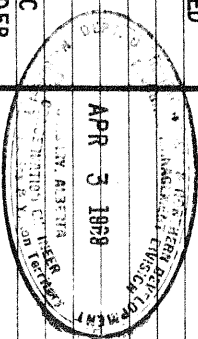
DUAL INDUCTION-LATEROLOG

SCHLUMBERGER OF CANADA Calgary, Alberta

PROVINCE YUKON TERRITORIES
 FIELD WILDCAT
 WELL PAN AM SHELL MERRILL JT L-60
 COMPANY PAN AMERICAN PETROLEUM CORPORATION

COMPANY PAN AMERICAN PETROLEUM CORPORATION
 WELL PAN AM SHELL MERRILL JT L-60
 FIELD WILDCAT
 PROVINCE YUKON TERRITORIES
 LOCATION 60° 20' N LAT
 124° 15' W LONG
 Permanent Datum GL Elev. 1937.5
 Log Measured From KB 12.5 Ft. Above Perm. Datum
 Other Services: SLC-GR, FDC, SNP, DIL, HDT
 ELEV. KB 1950.0
 GL 1937.5
 CBF

Date	17 FEB 69	3 MAR 69	
Run No.	ONE	TWO	
First Reading	3829	5362	
Last Reading	516	3834	
Feet Measured	3313	1528	
Depth Reached	3831	5365	
Bottom Driller	3833	5362	
Csg. Driller	516	3834	
Csg. SOC	516	3831	
Mud Nature	GEL CHEM	GEL CHEM	
Dens. Visc.	9.5 35	9.4 48	
Mud pH	7.4	8.0	
Water Loss	10.0	6.4	
Res.	0.38 @ 60	2.53 @ 49	of
Rml	0.27 @ 67	1.92 @ 72	of
@ BHT	0.12 @ 151	0.70 @ 179	of
Rnc	@	@	of
Source of Sample	CIRCULATED	CIRCULATED	
Bit Size	12 1/4"	8 1/2"	
Op. Rig Time	1.5 HRS	2 HRS	
Truck No.	3703 DC	3702 DC	
Recorded By	ALEXANDER	ALEXANDER	
Witness	NAGEL	NAGEL	



MAR 14/69 CAL EK

REMARKS
 Drilling Stopped Circulation Stopped 1100 / 18th Tool on Bottom 1500 18th 1st Run Service Order :: 42383
 1600 3rd B.H.T. 151 °F
 179

MUD SAMPLES

Stand Off = 1.5 Inches	1.5	RUN 1 Rm#1 = 0.38 @ 60°F
Cartridge No. C 65	B	Rm#2 = 0.37 @ 62°F
Panel No. C169	C169	Rm#3 = 0.38 @ 60°F
Sonde No. B117		
IAP-D No. MMP-B 183	196	RUN 2 LL8 MAKING AND BREAKING IN UPPER SHALES
SBR 4	4	

SPONTANEOUS - POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms m/m
		LATEROLOG-8
		1 10 100 1000
		MEDIUM INDUCTION LOG
		1 10 100 1000
		DEEP INDUCTION LOG
		1 10 100 1000

Speed in FPM

10

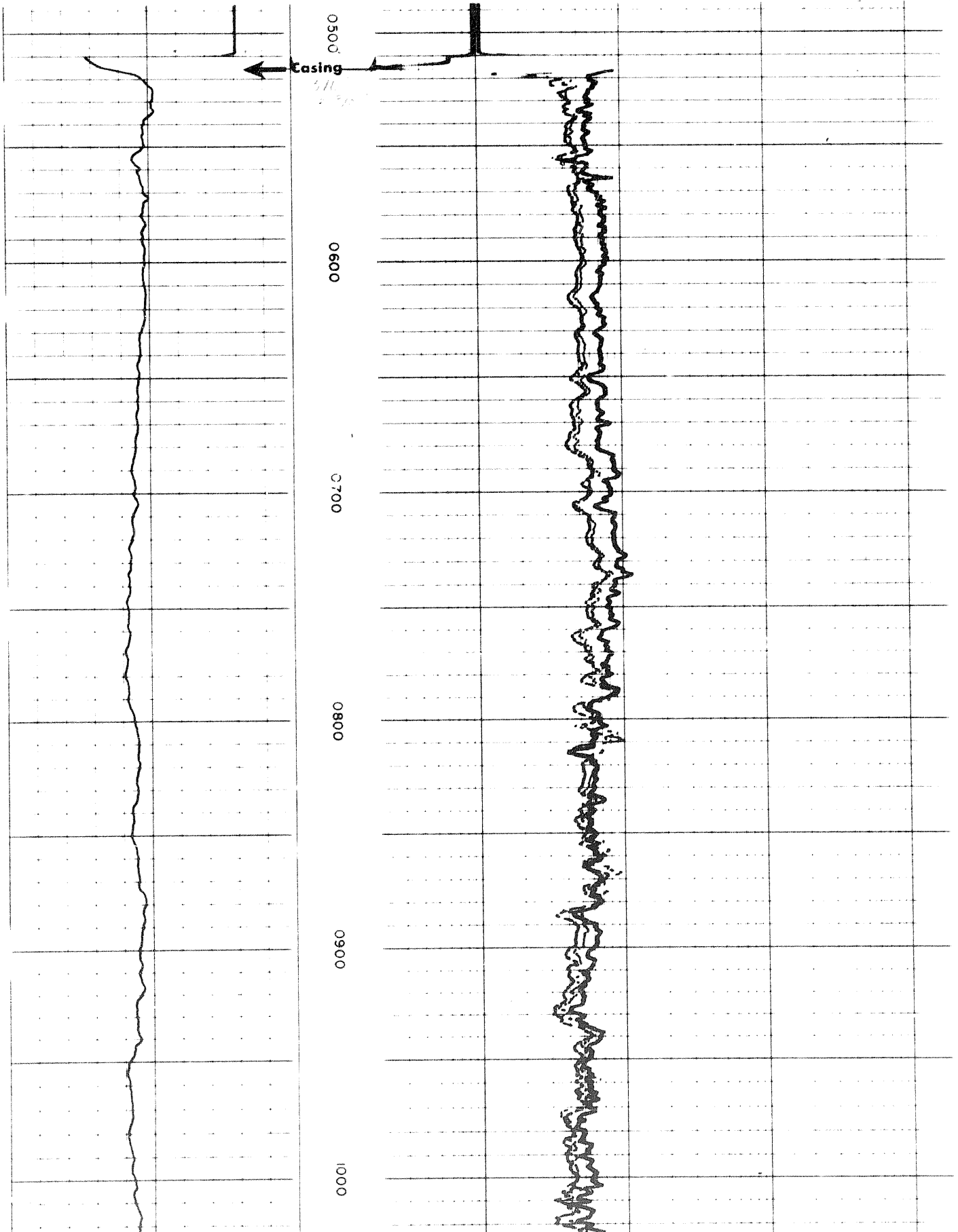
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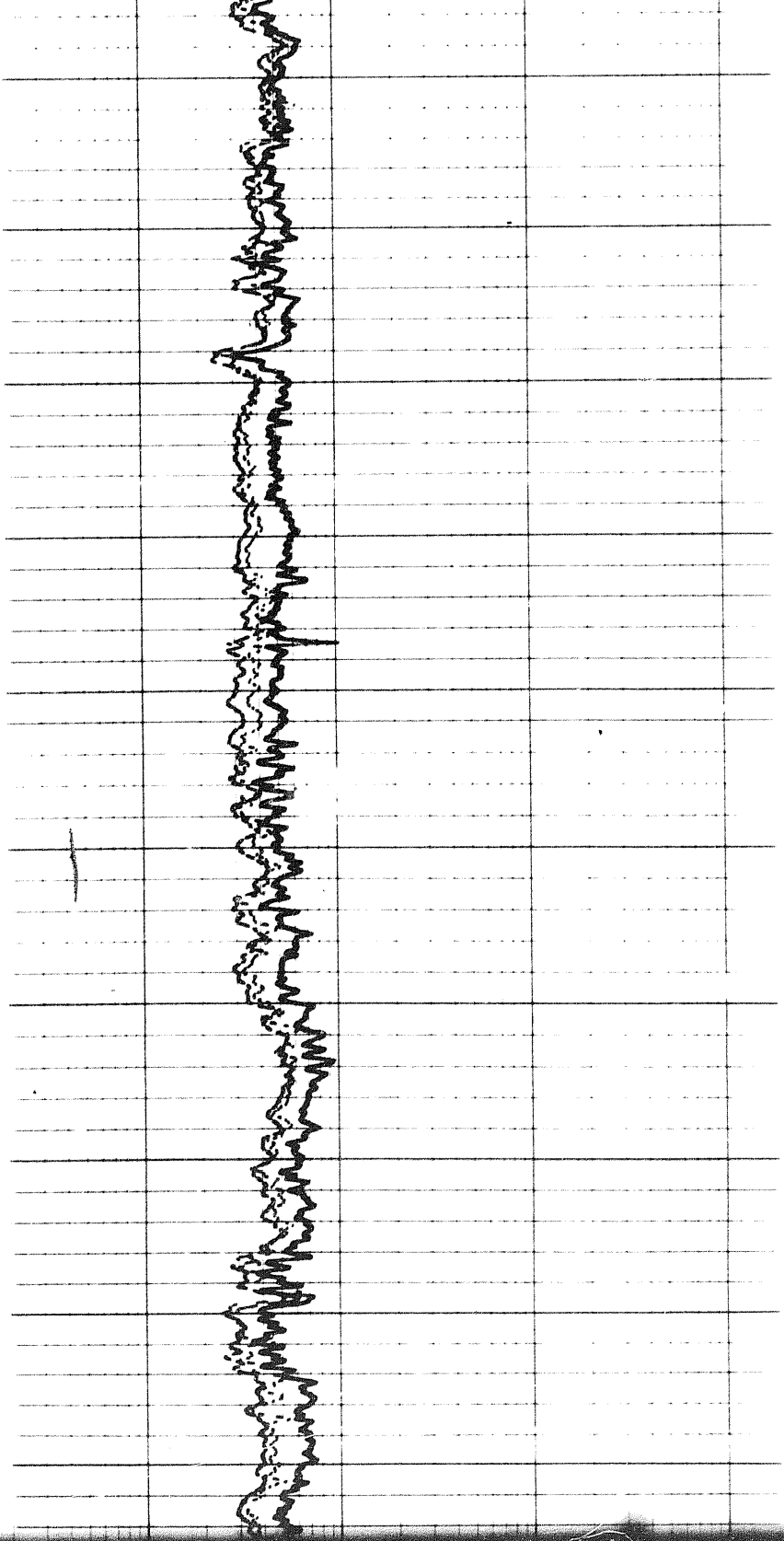
MEDIUM INDUCTION LOG

1 10 100 1000

DEEP INDUCTION LOG

1 10 100 1000





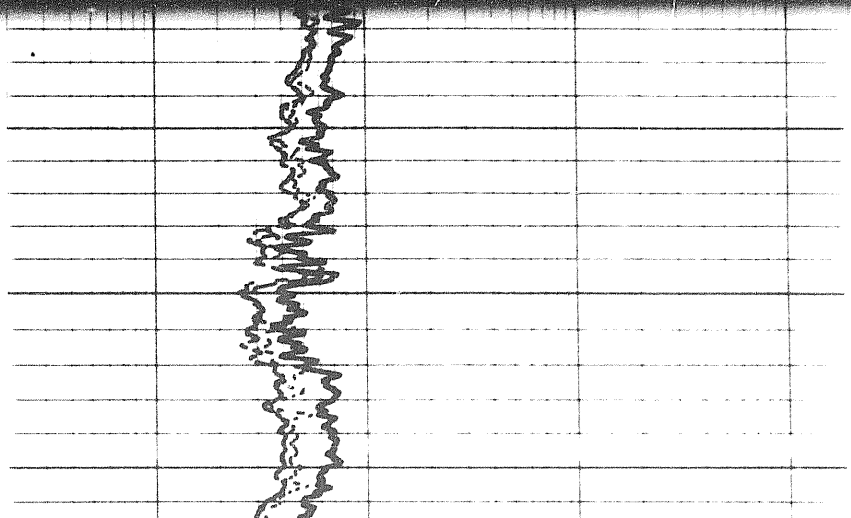
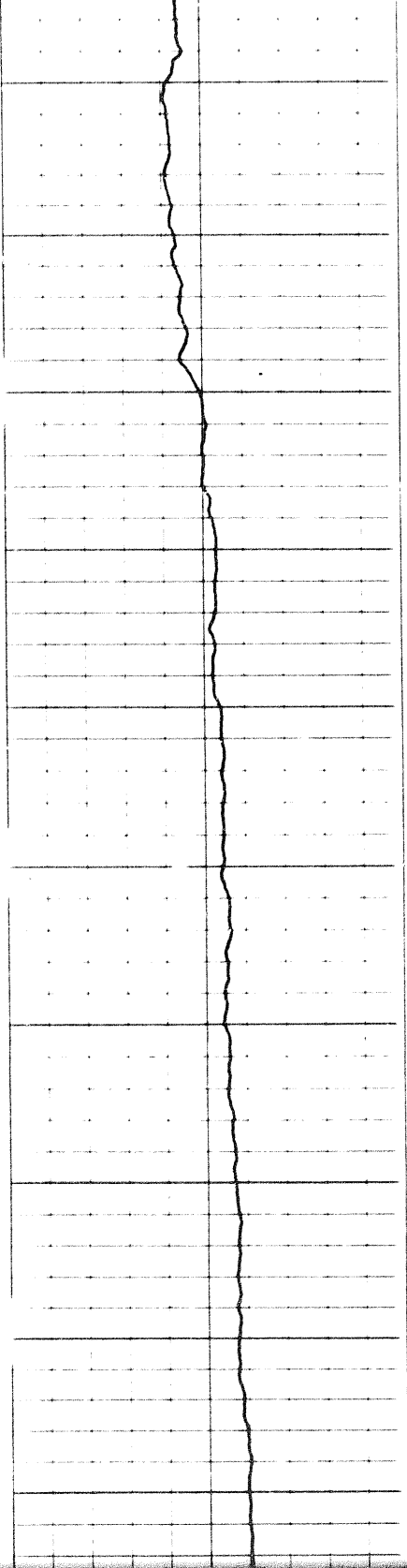
1000

1100

1200

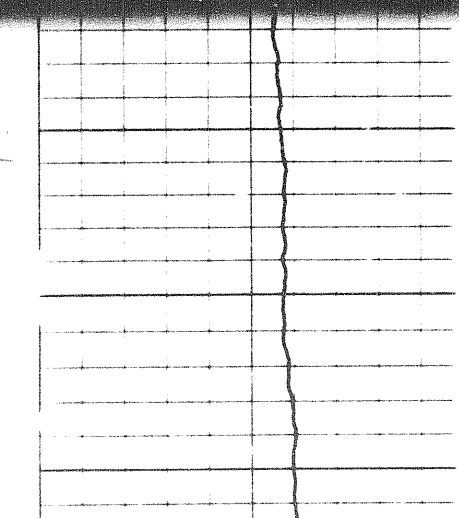
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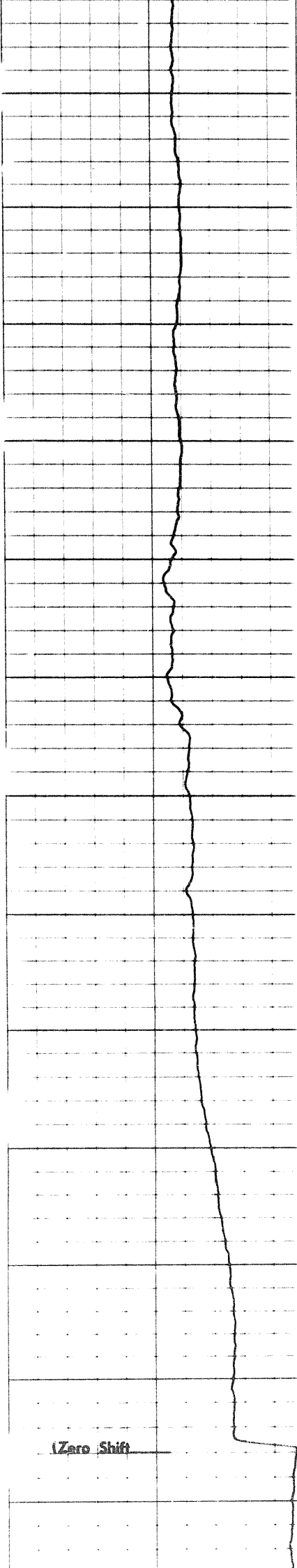


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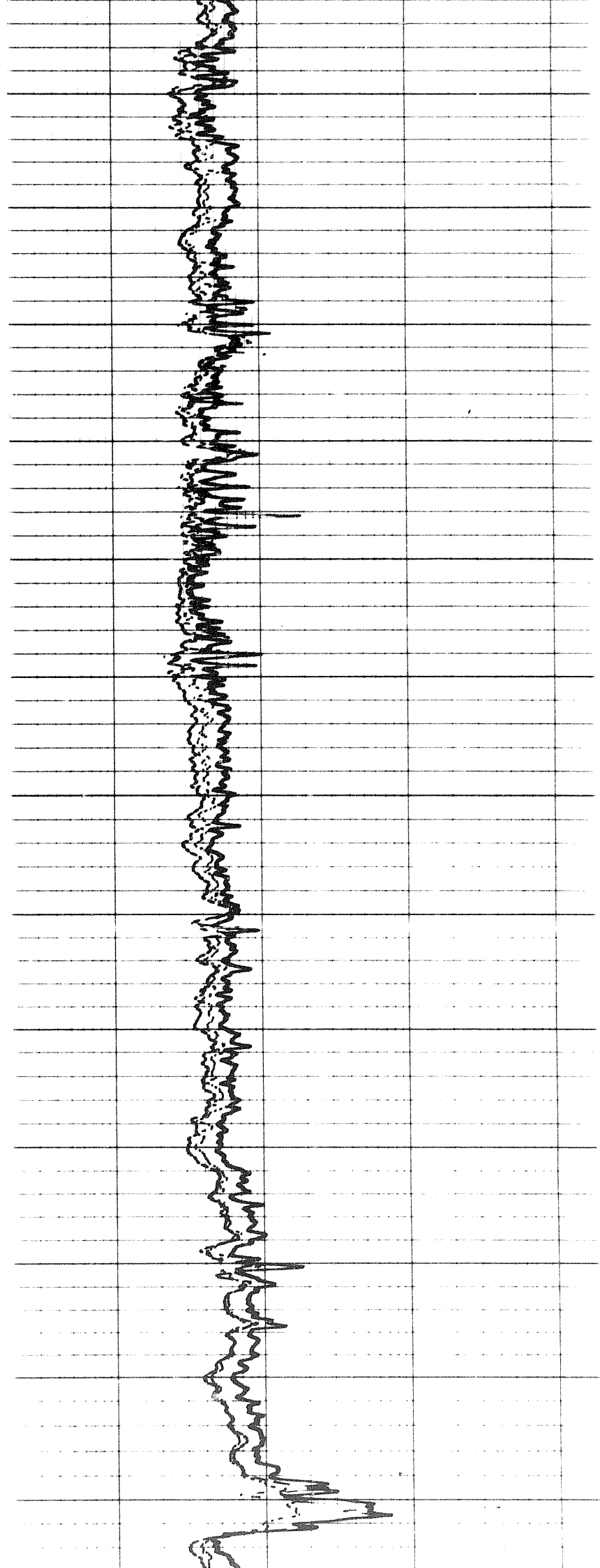


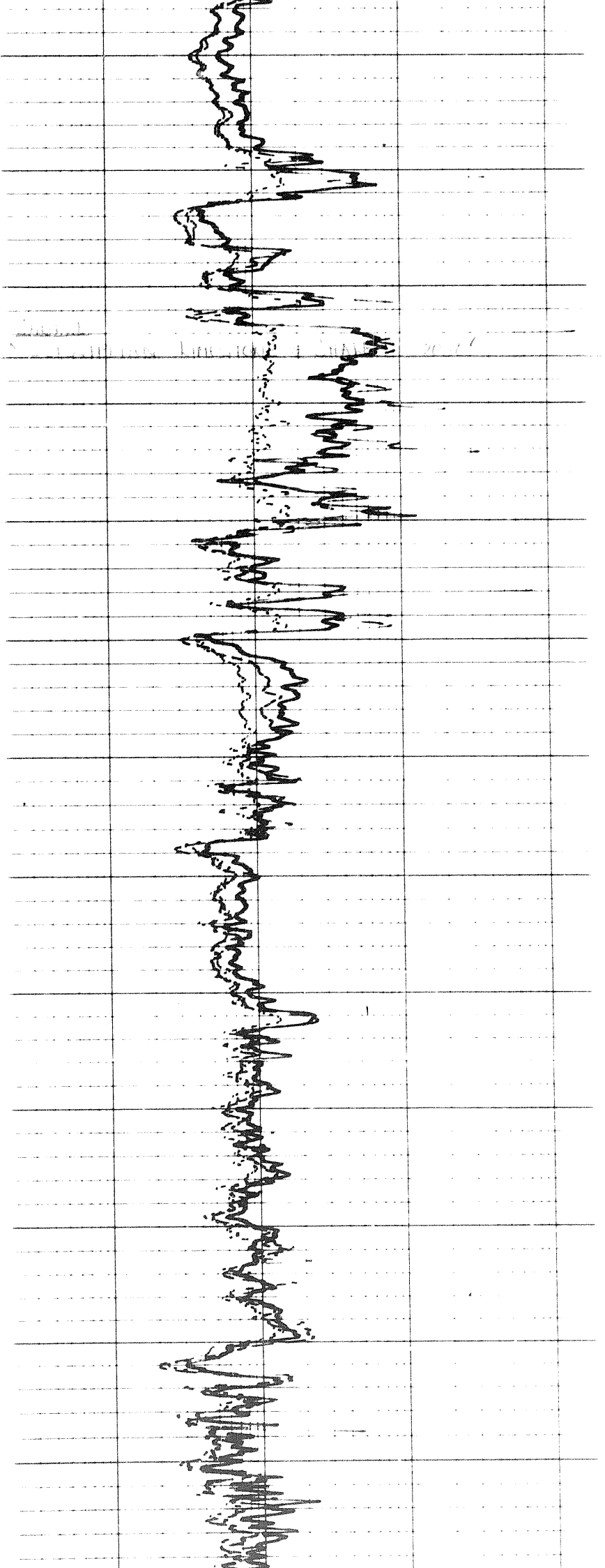
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(Zero Shift)

1400 1500 1600 1700 1800 1900





1900

2000

2100

2200

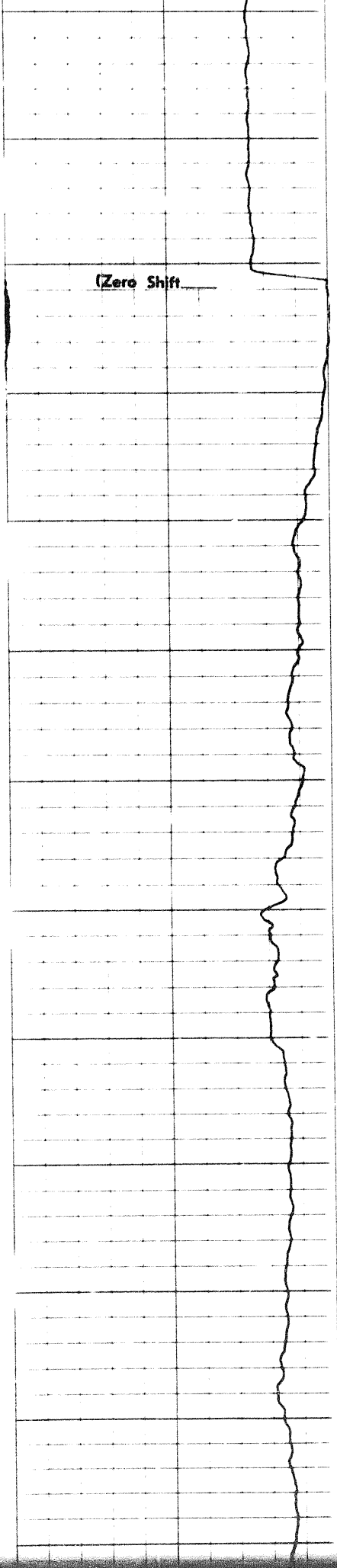
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2400

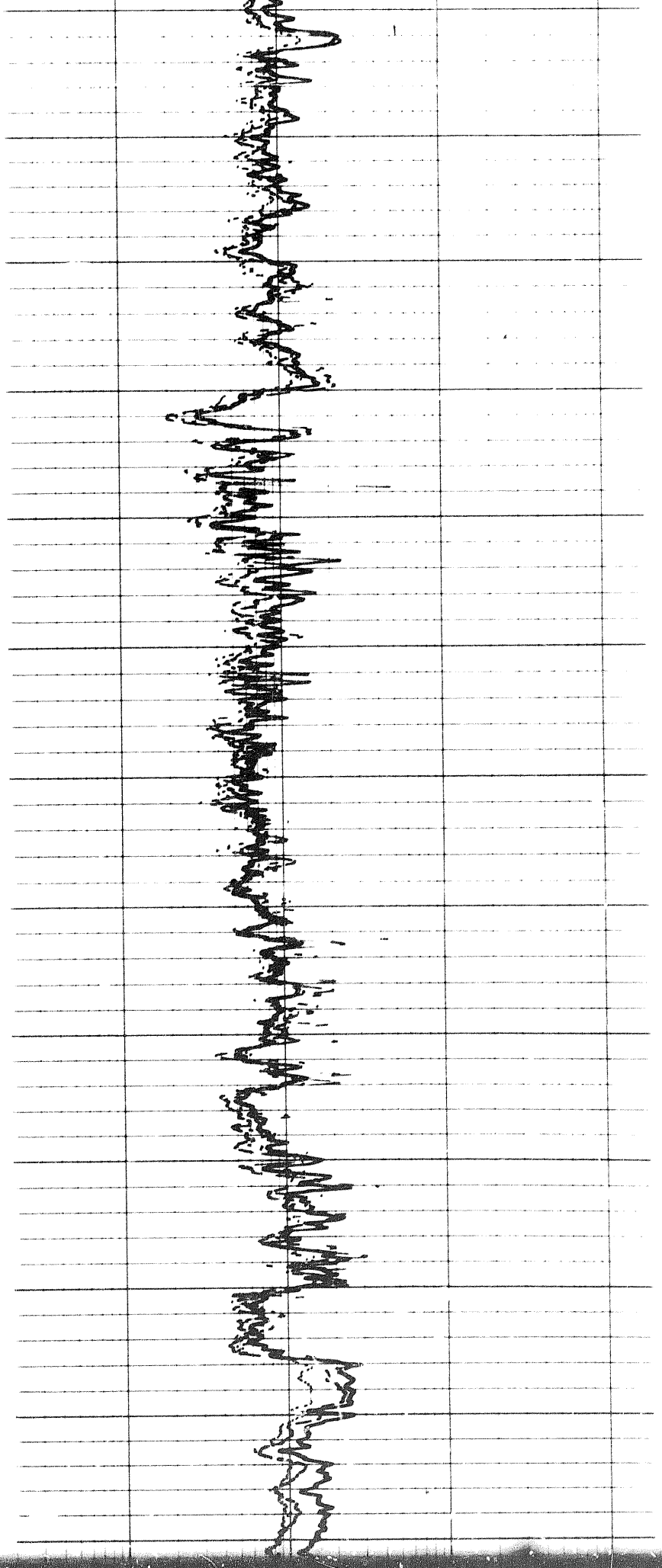
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(Zero Shift

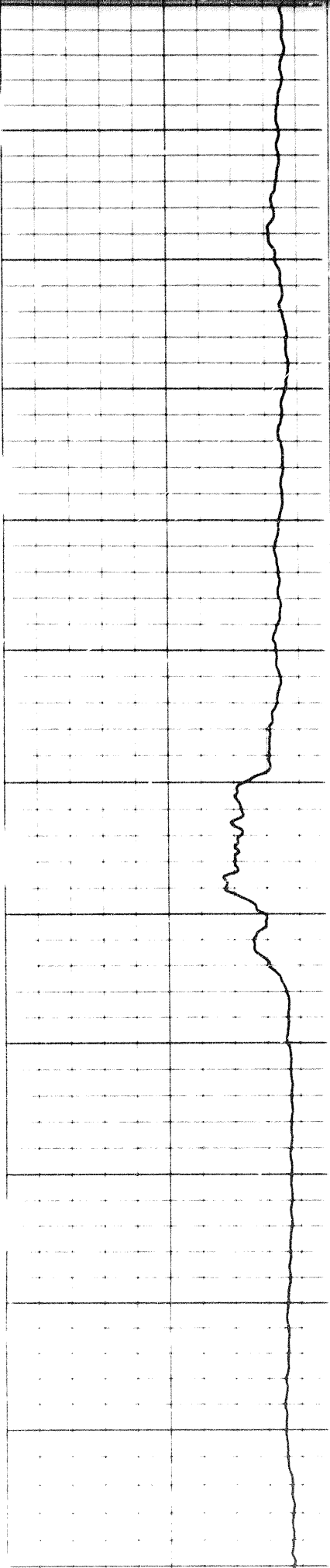
(Zero Shift



3000
2400
2500
2600
2700
2800
2900



2



2800

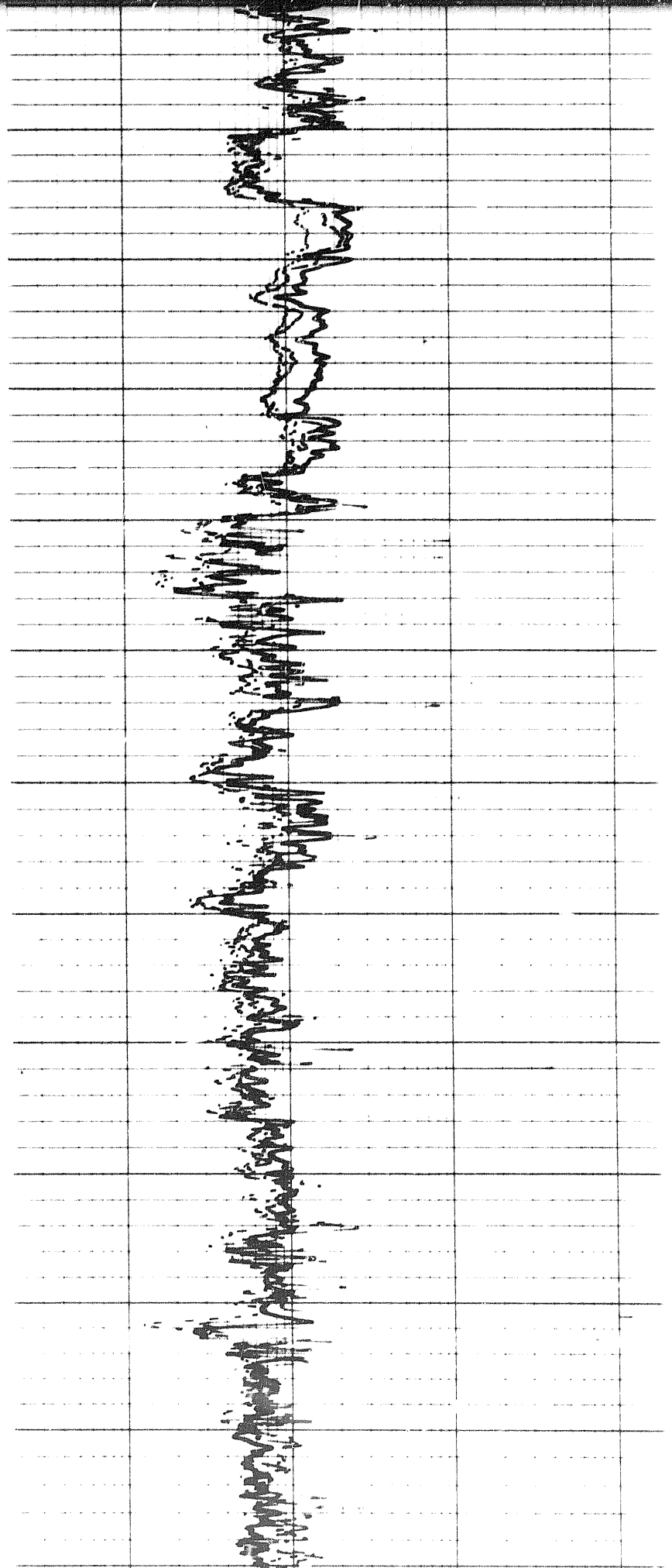
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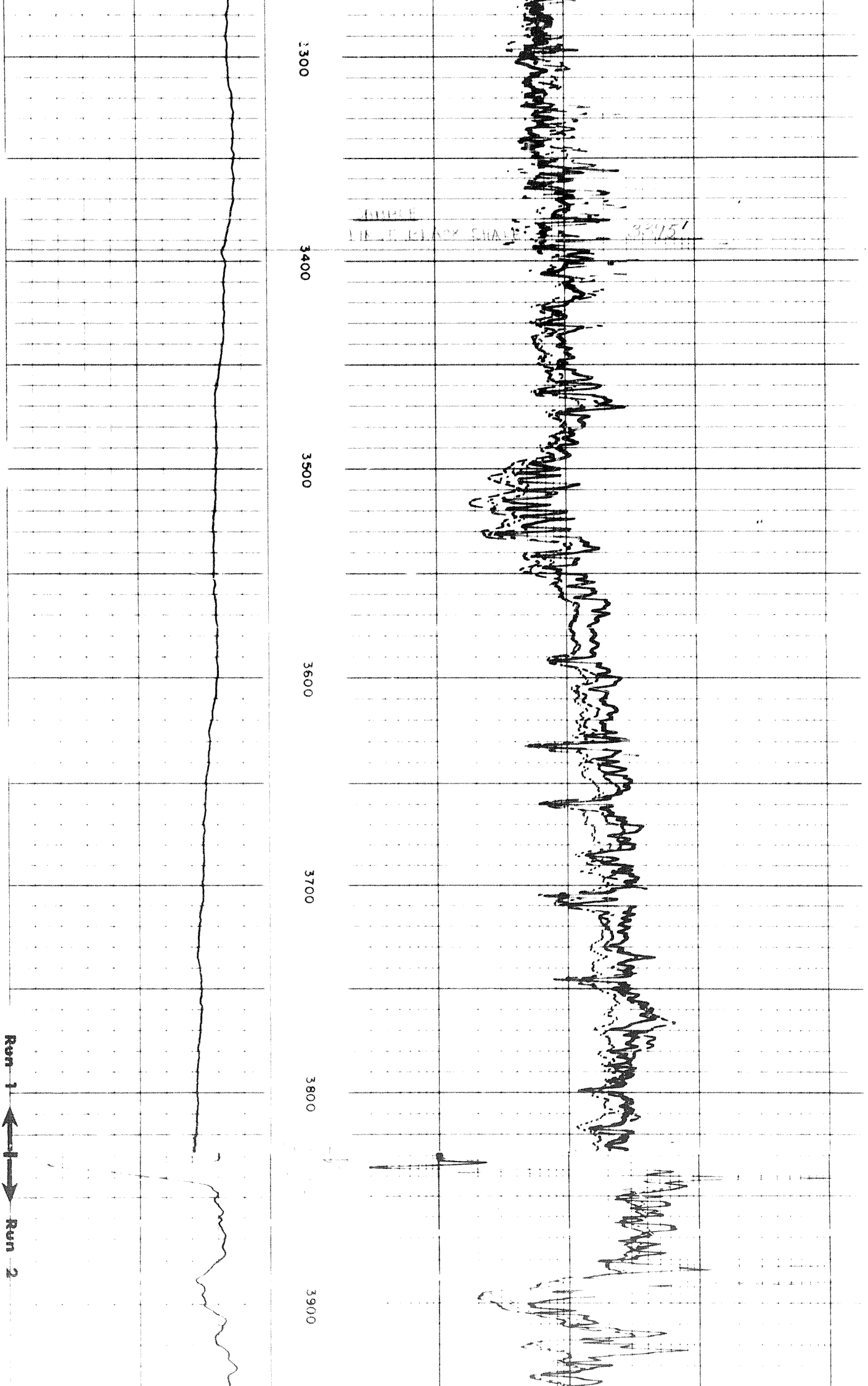
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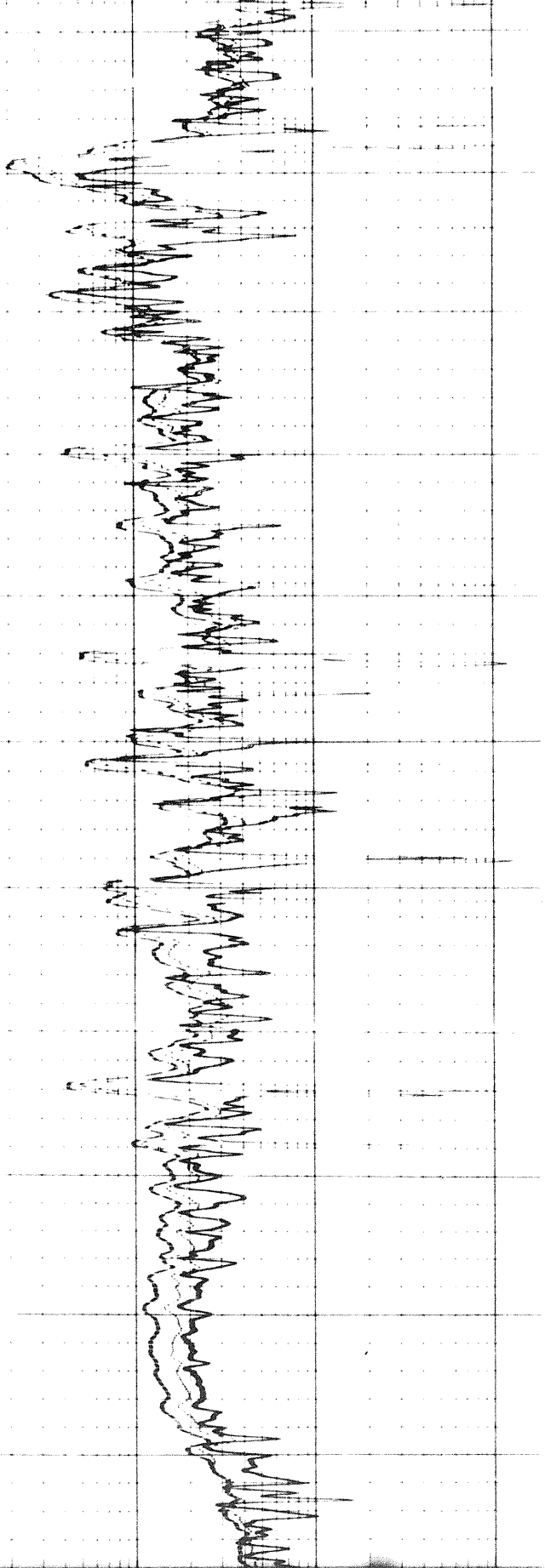
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221



Run 2



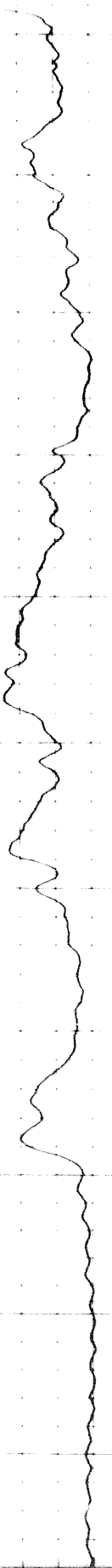
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4000

4100

4200

4300



4300

4300

4400

4500

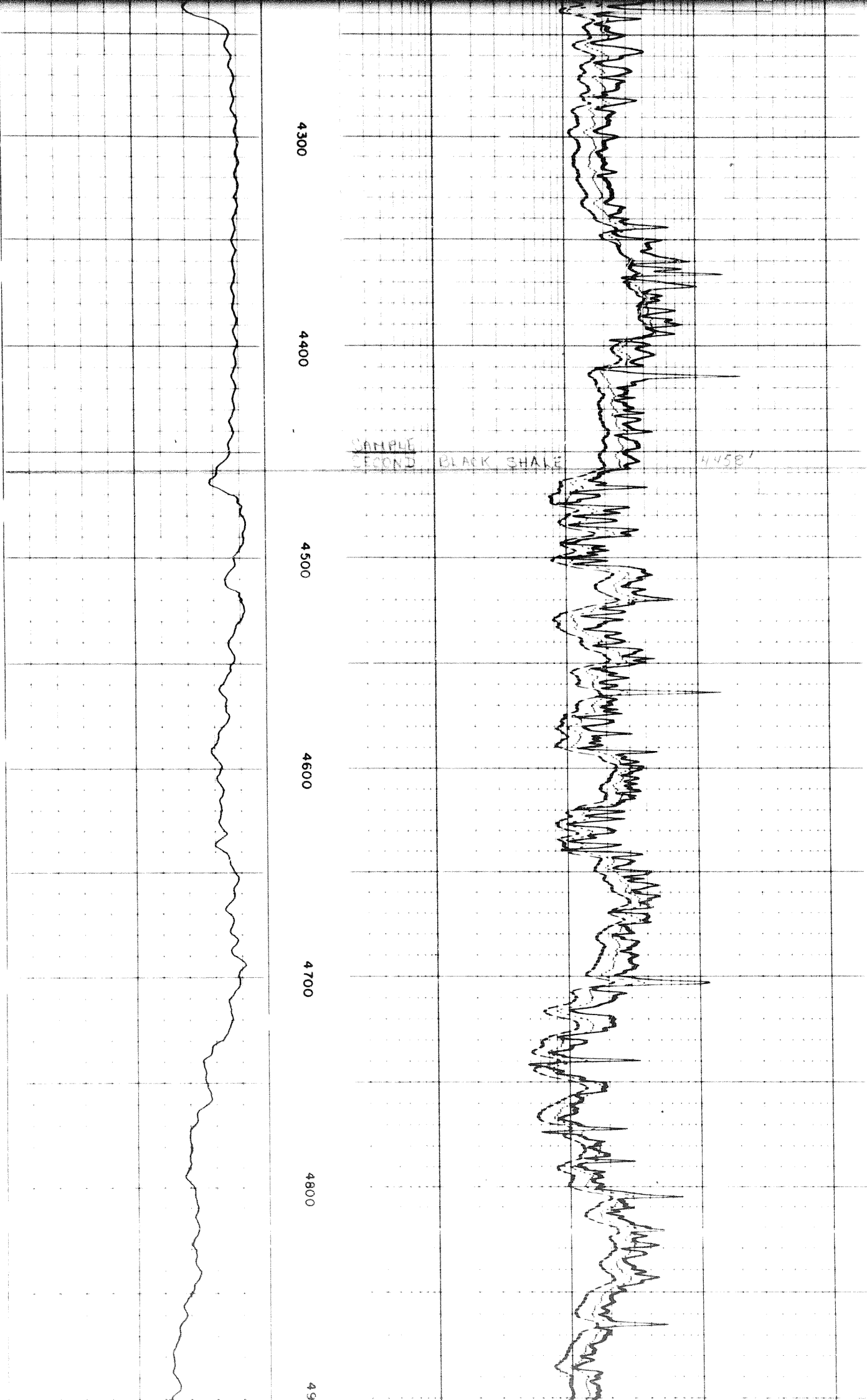
4600

4700

4800

49

SAMPLE SECOND BLACK SHALE 4458'



500

4900

5000

5100

5200

5300

FR

COARSE
FINE
MEDIUM
SANDSTONE
SANDSTONE
SANDSTONE

1007 2362

1008 2362 1 4 60.1000

1009 2412	1010 2405	1011 604
1012 2446	1013 2226	1014 2413

1 10 100 1000

DEEP INDUCTION LOG

Speed in FPM

10

1

10

100

1000

DEEP INDUCTION LOG

1

10

100

1000

MEDIUM INDUCTION LOG

1

10

100

1000

LATEROLOG-8

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

DETAIL LOG 5" = 100' RUN 1

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

Speed in FPM

10

1

10

100

1000

LATEROLOG-8

MEDIUM INDUCTION LOG

1

10

100

1000

DEEP INDUCTION LOG

1

10

100

1000

Calibration after Survey



MEDIUM INDUCTION LOG

1

10

100

1000

DEEP INDUCTION LOG

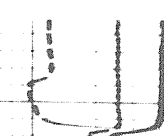
1

10

100

1000

Calibration after Survey



DEEP INDUCTION LOG

1

10

100

1000

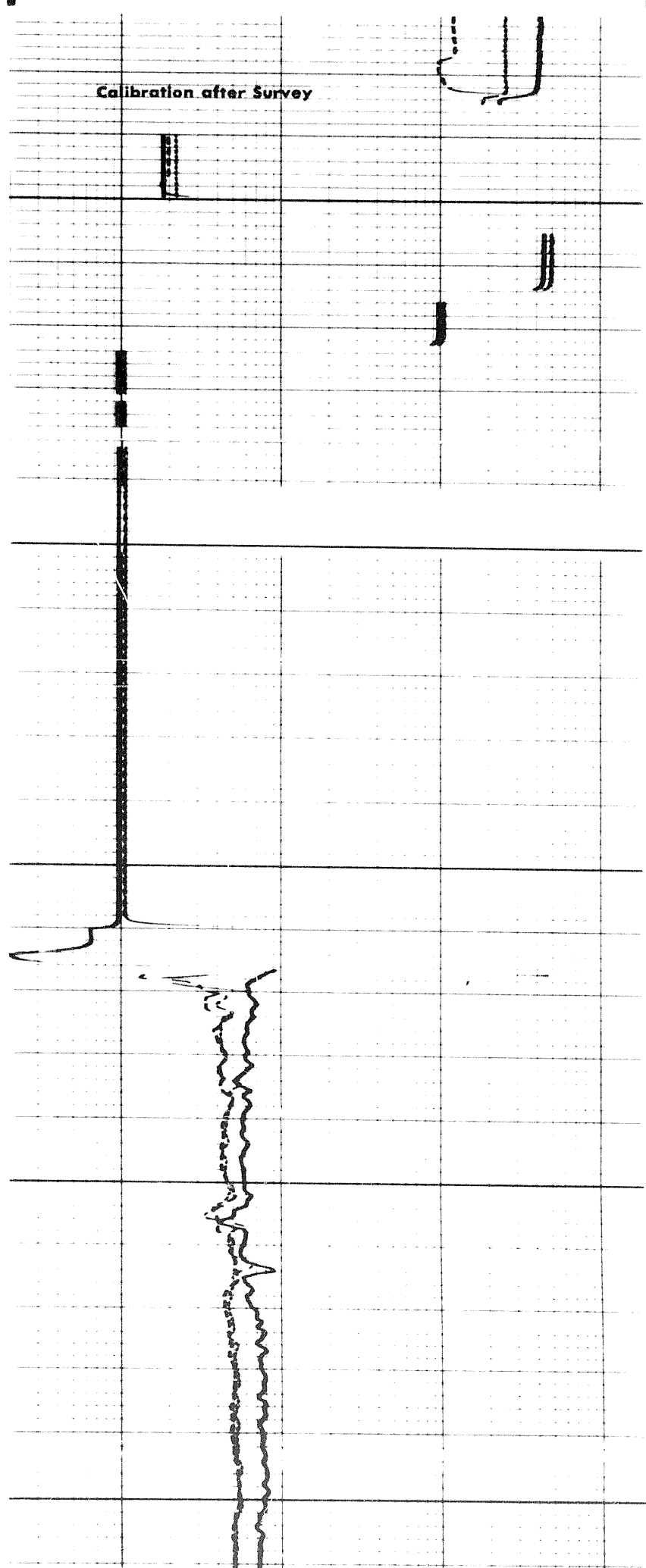
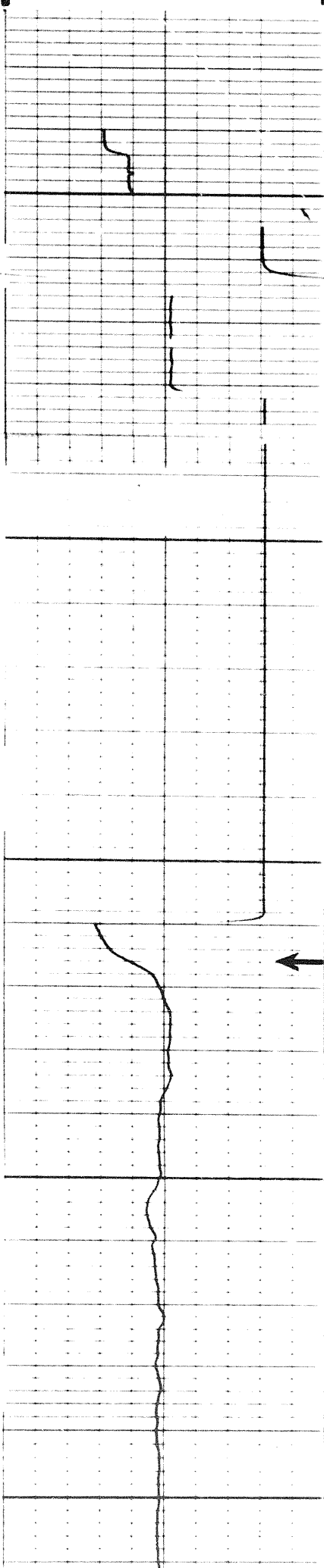
Calibration after Survey

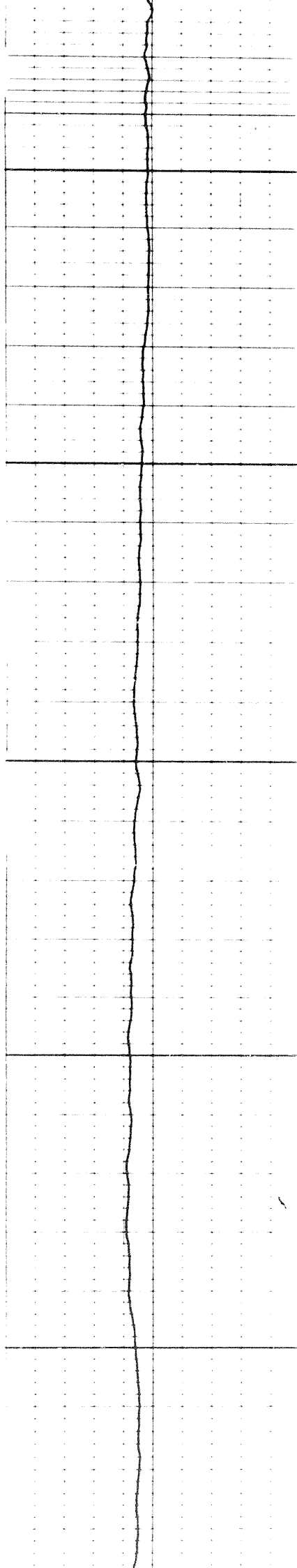
0500

Casing

0600

5 of

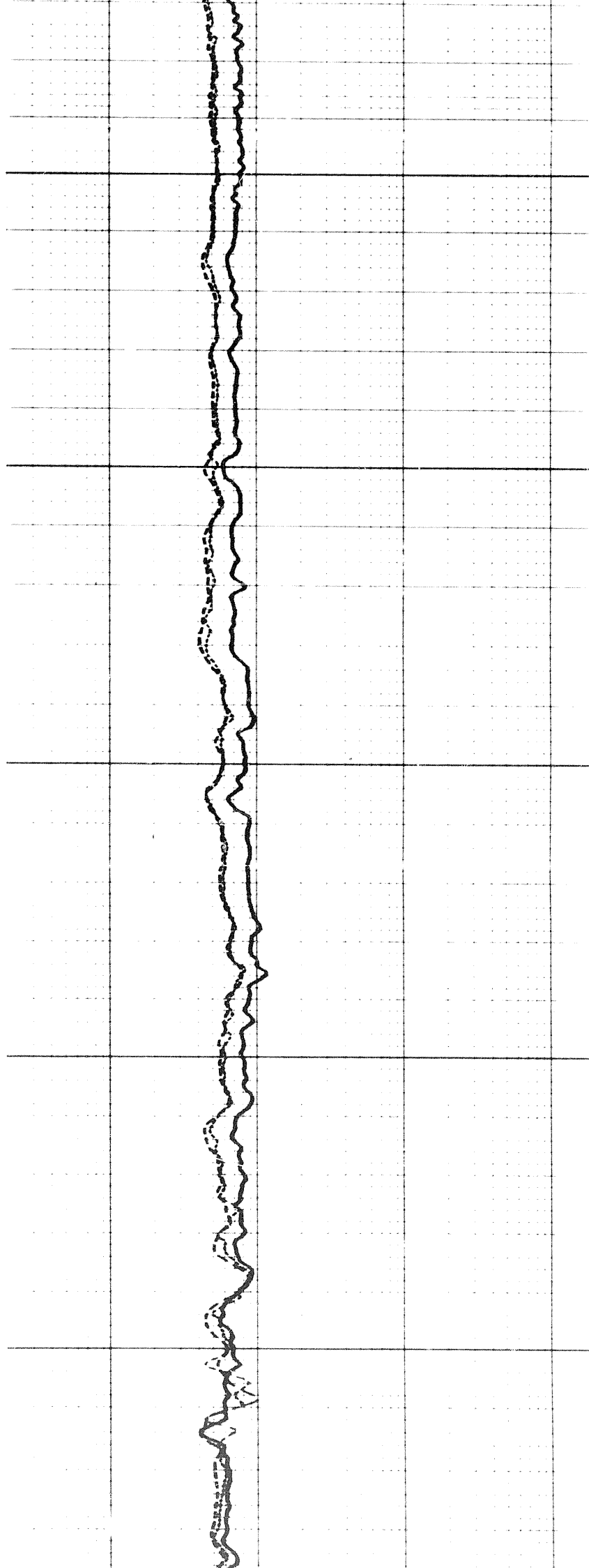




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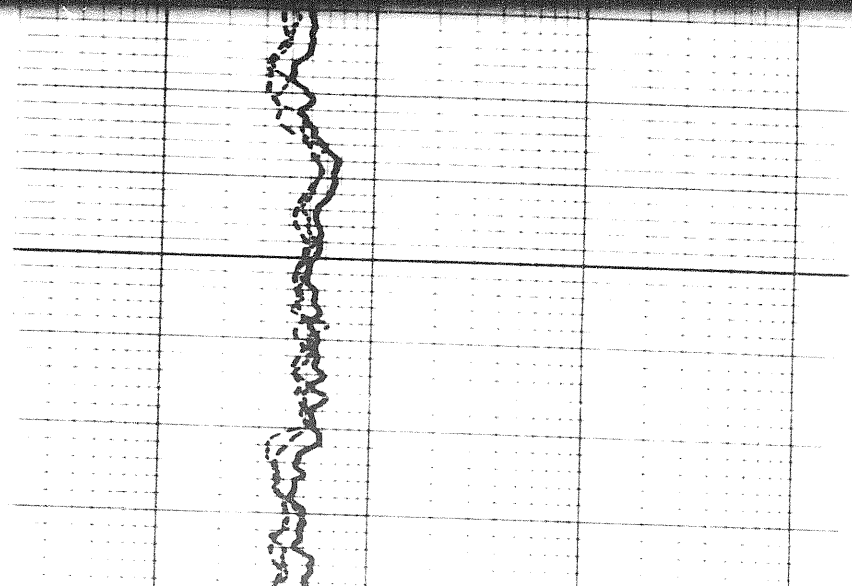
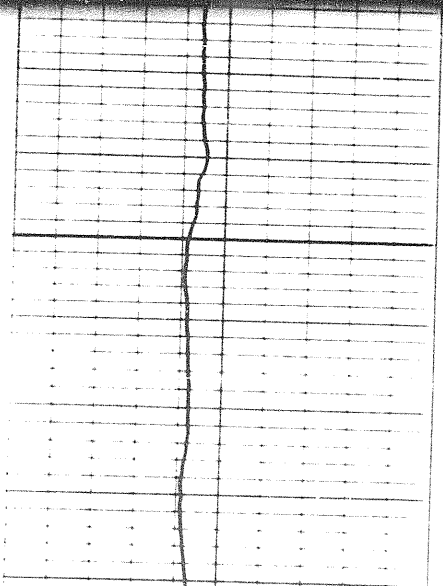
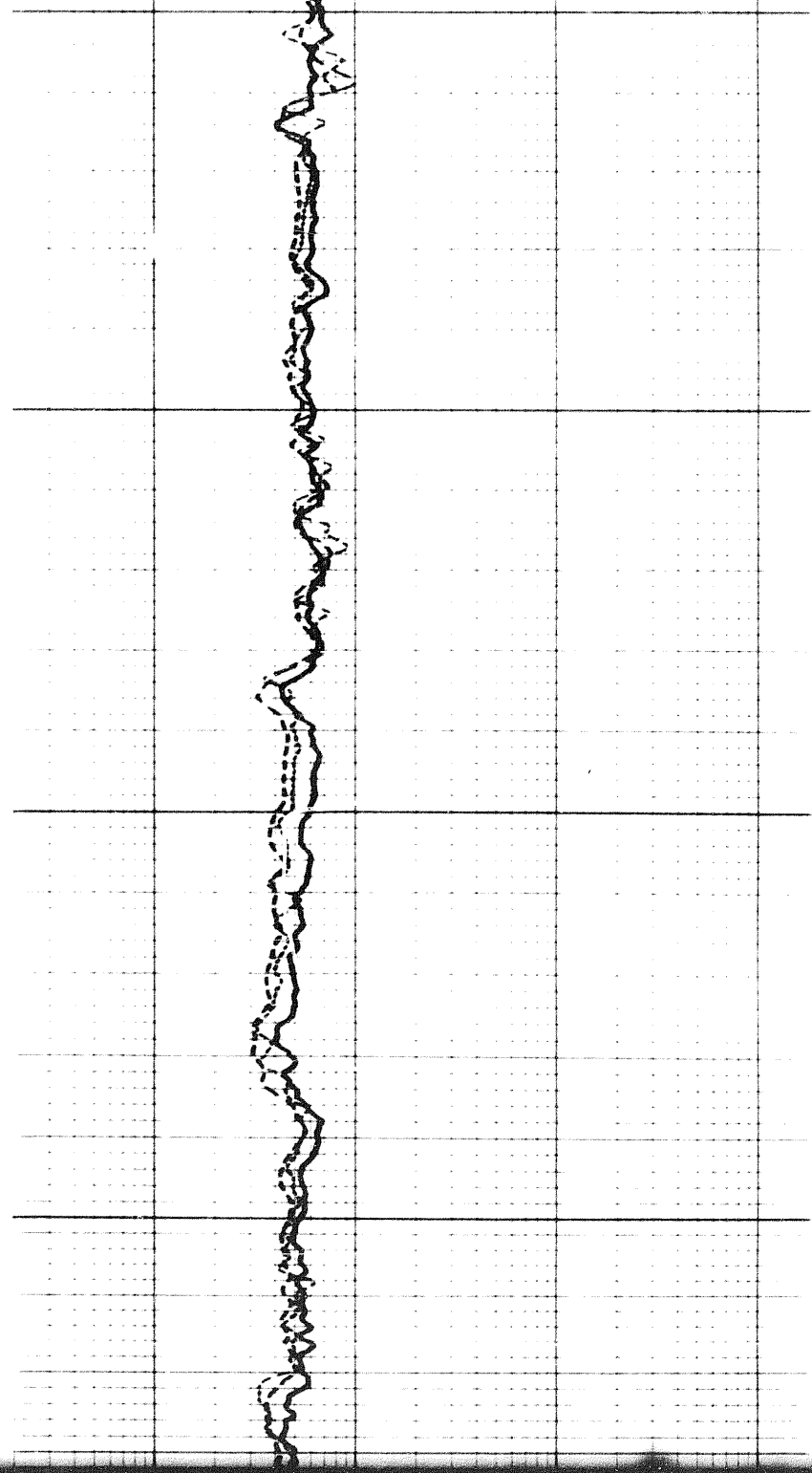
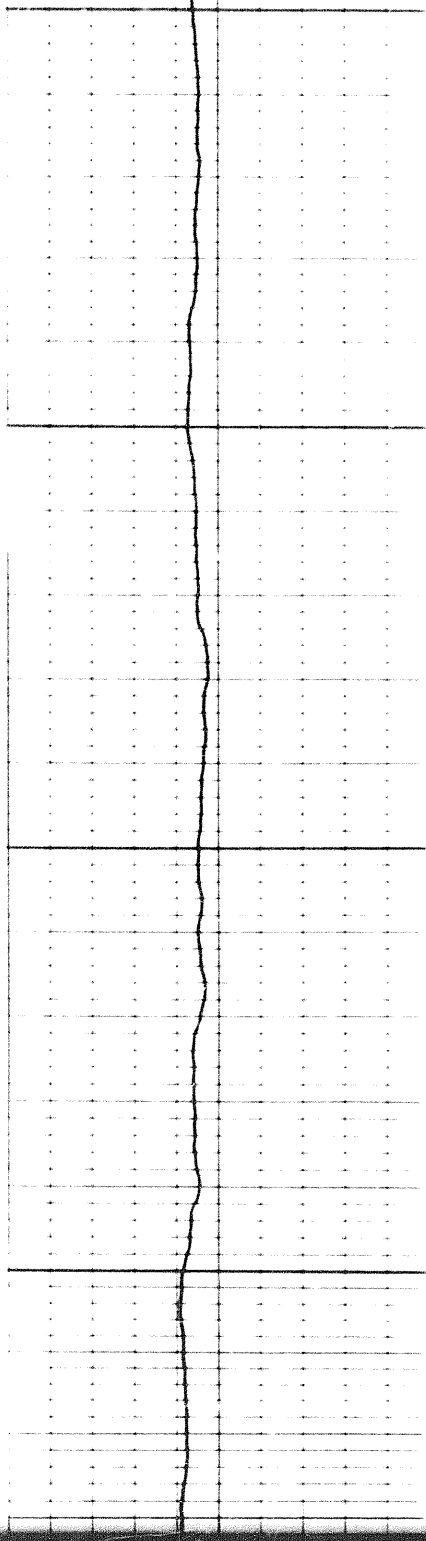
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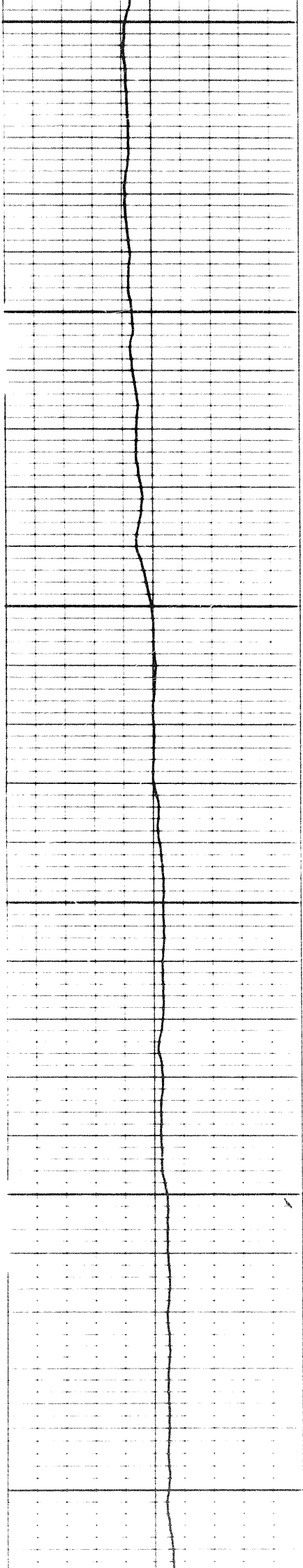


0080

0060



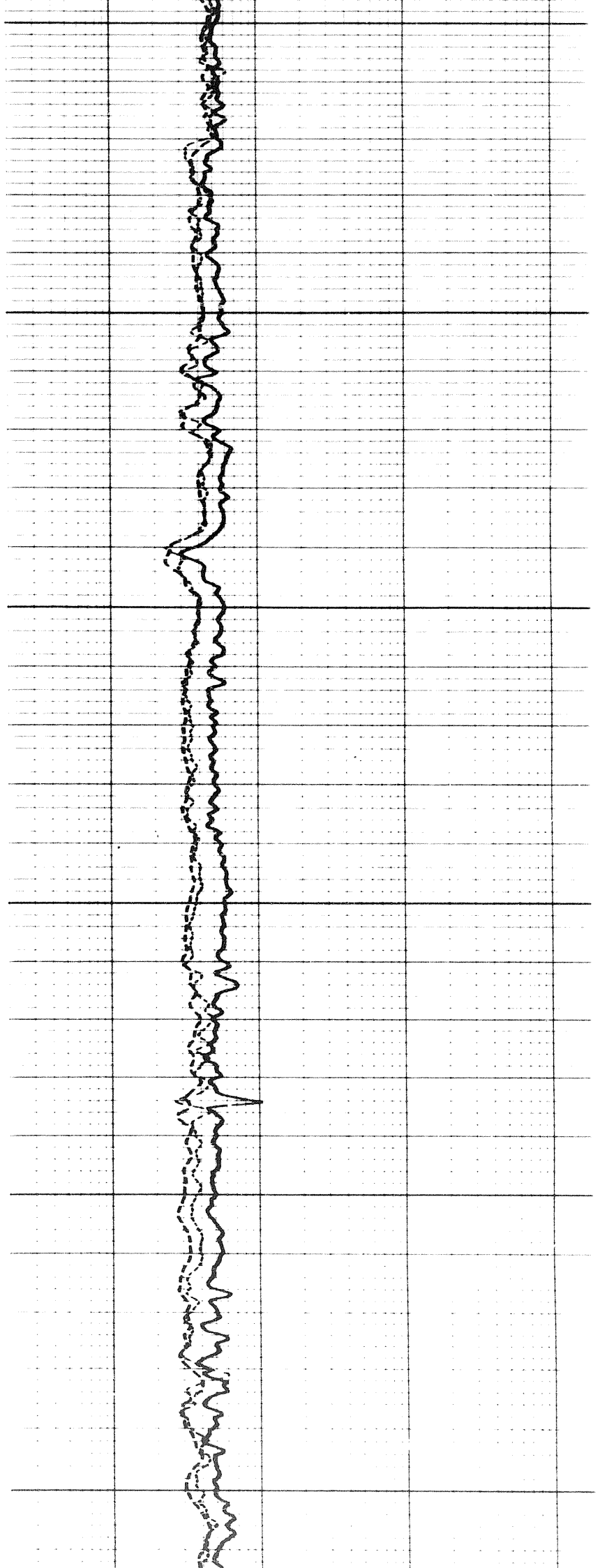
1200



1000

1100

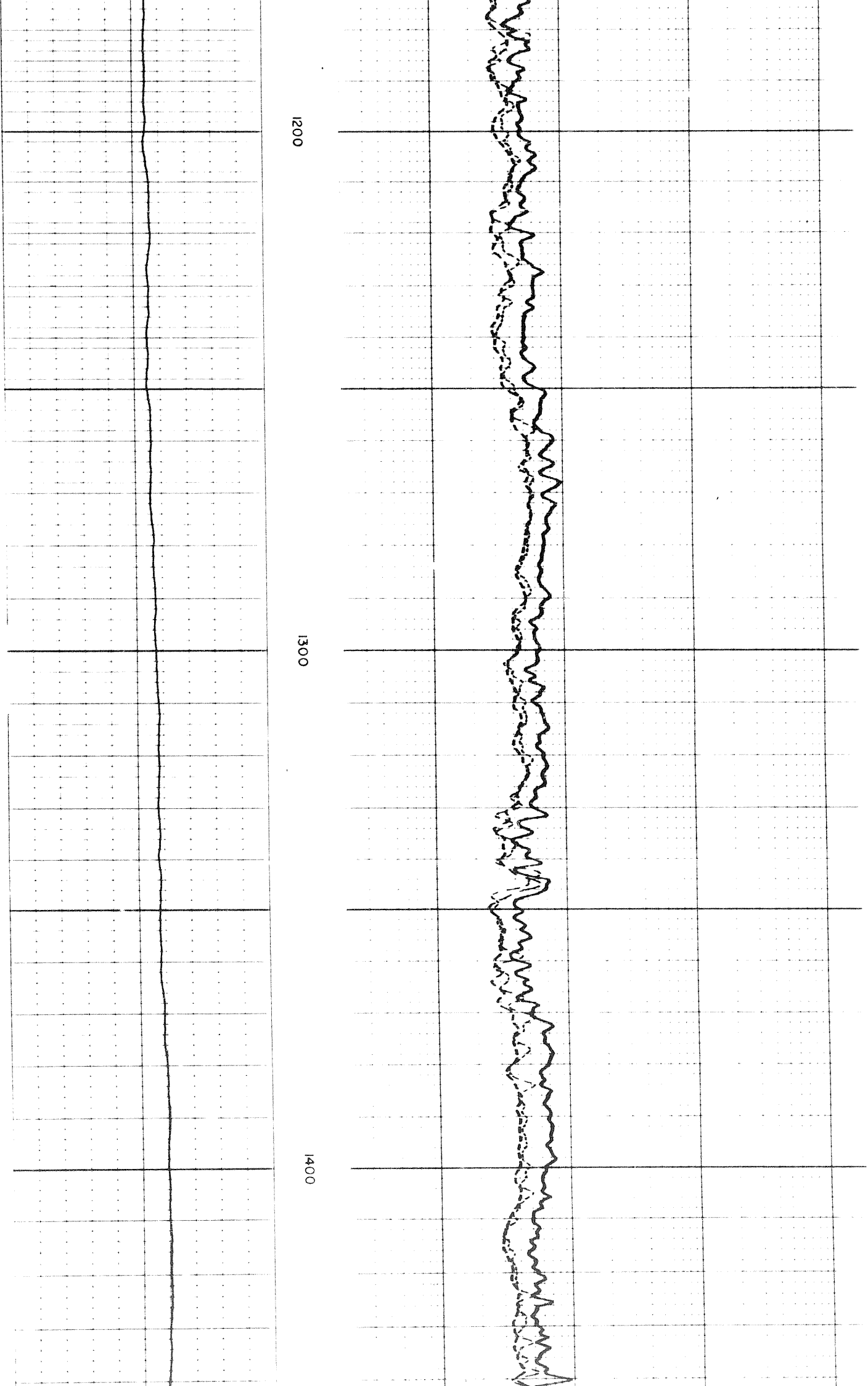
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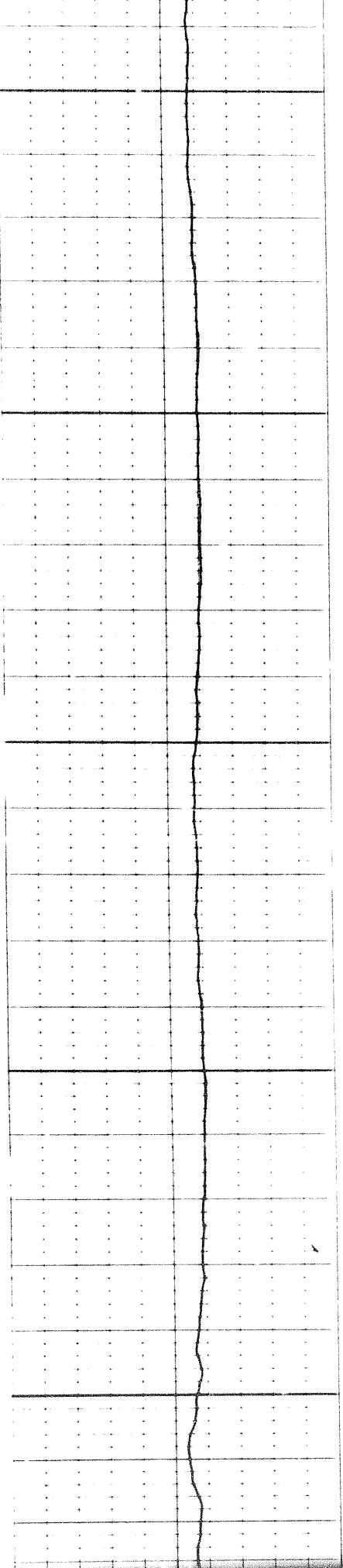


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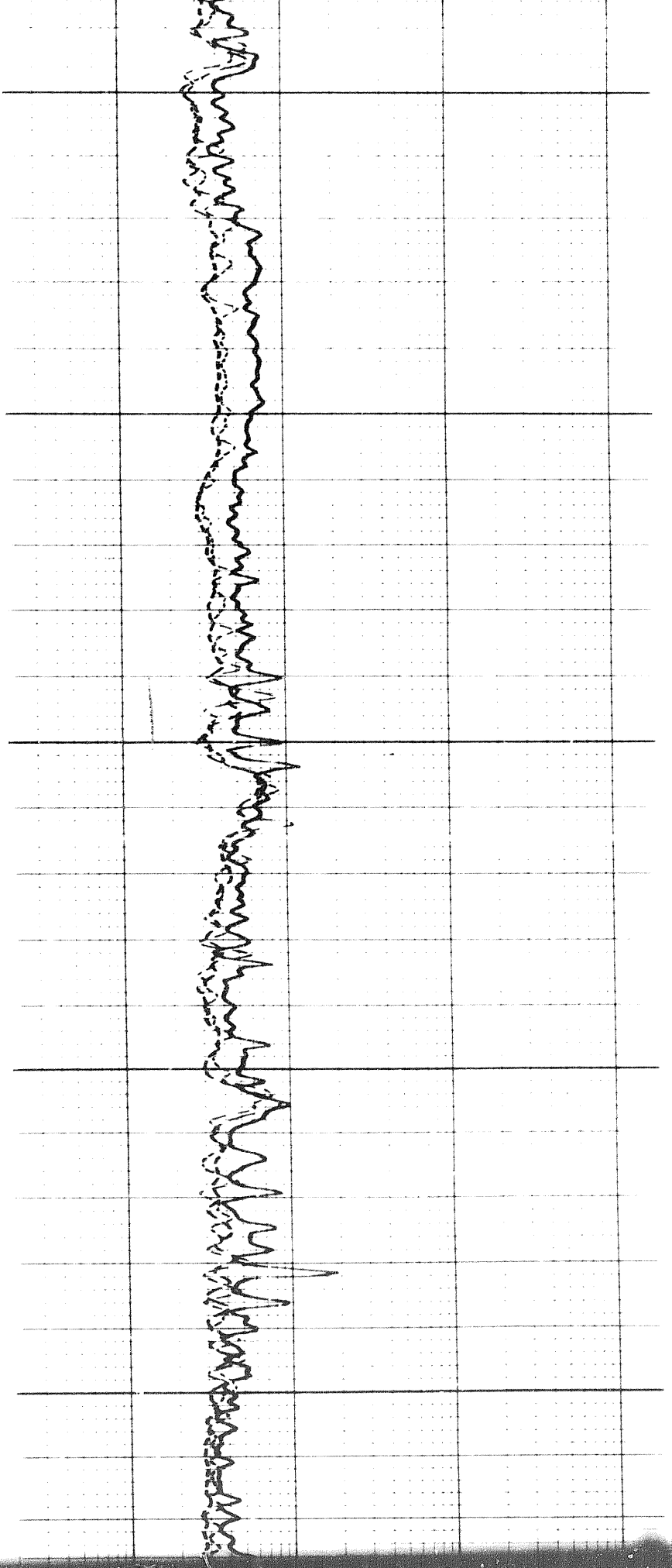
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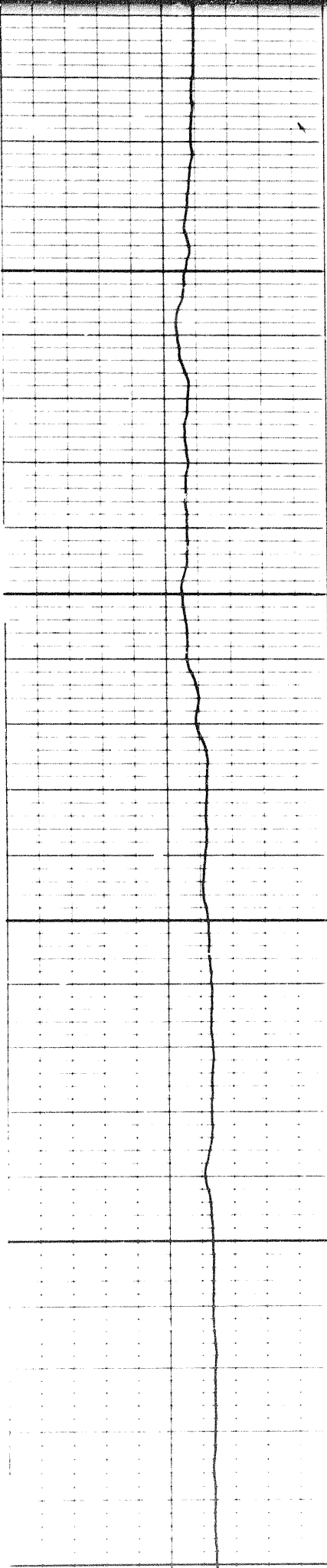


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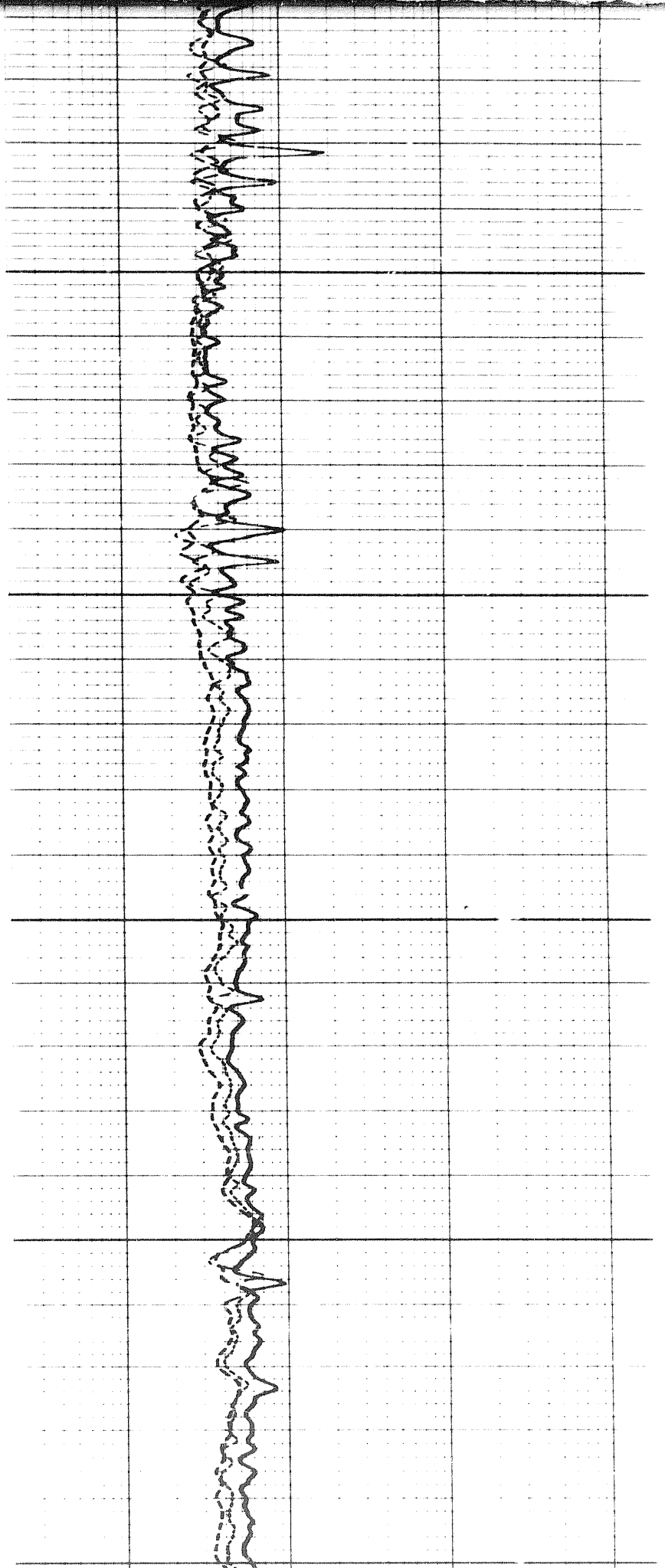


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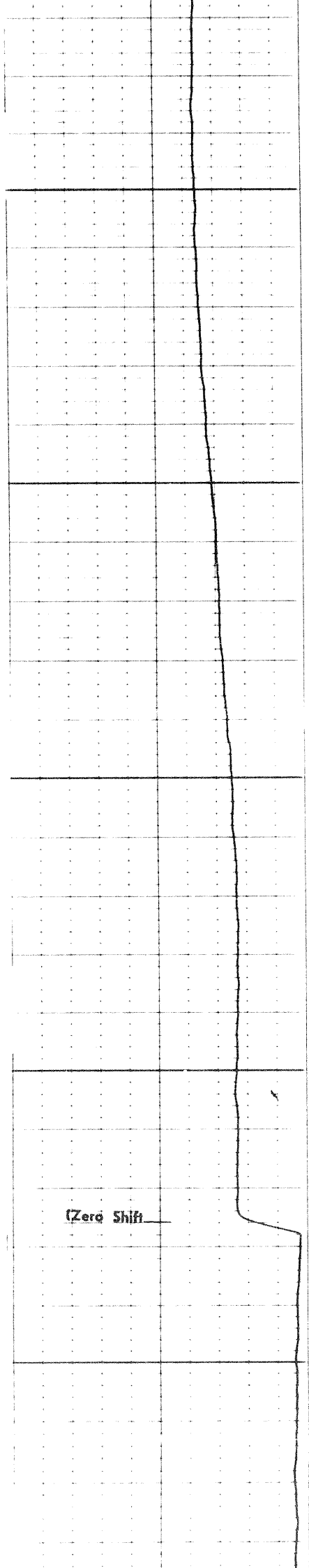


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1700

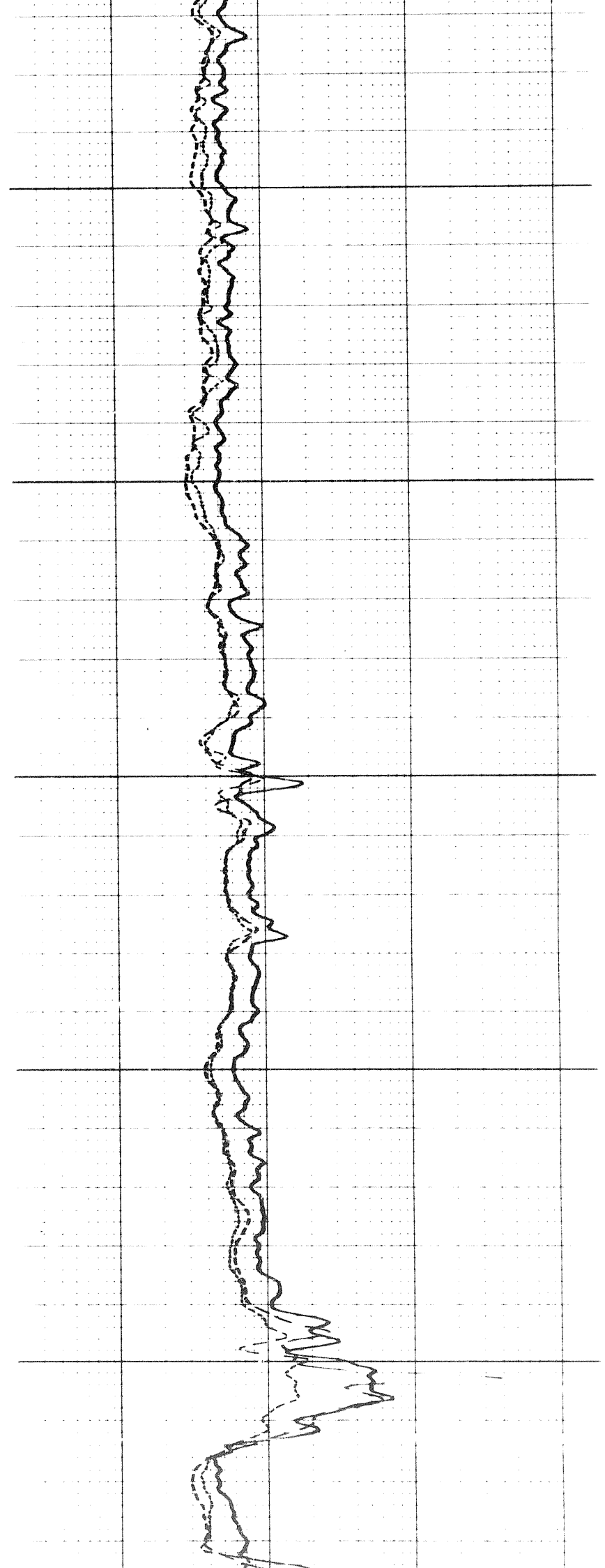


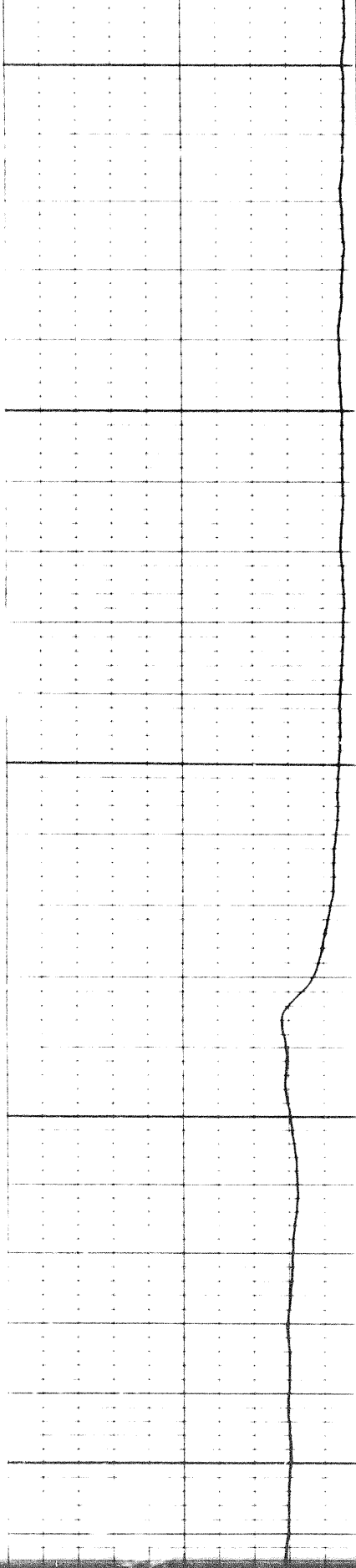
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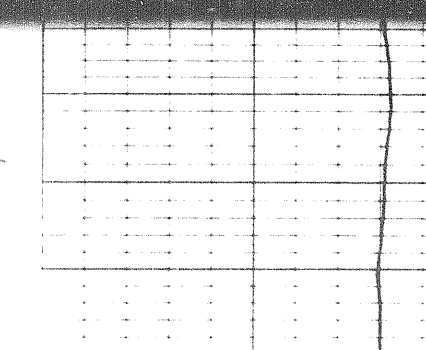
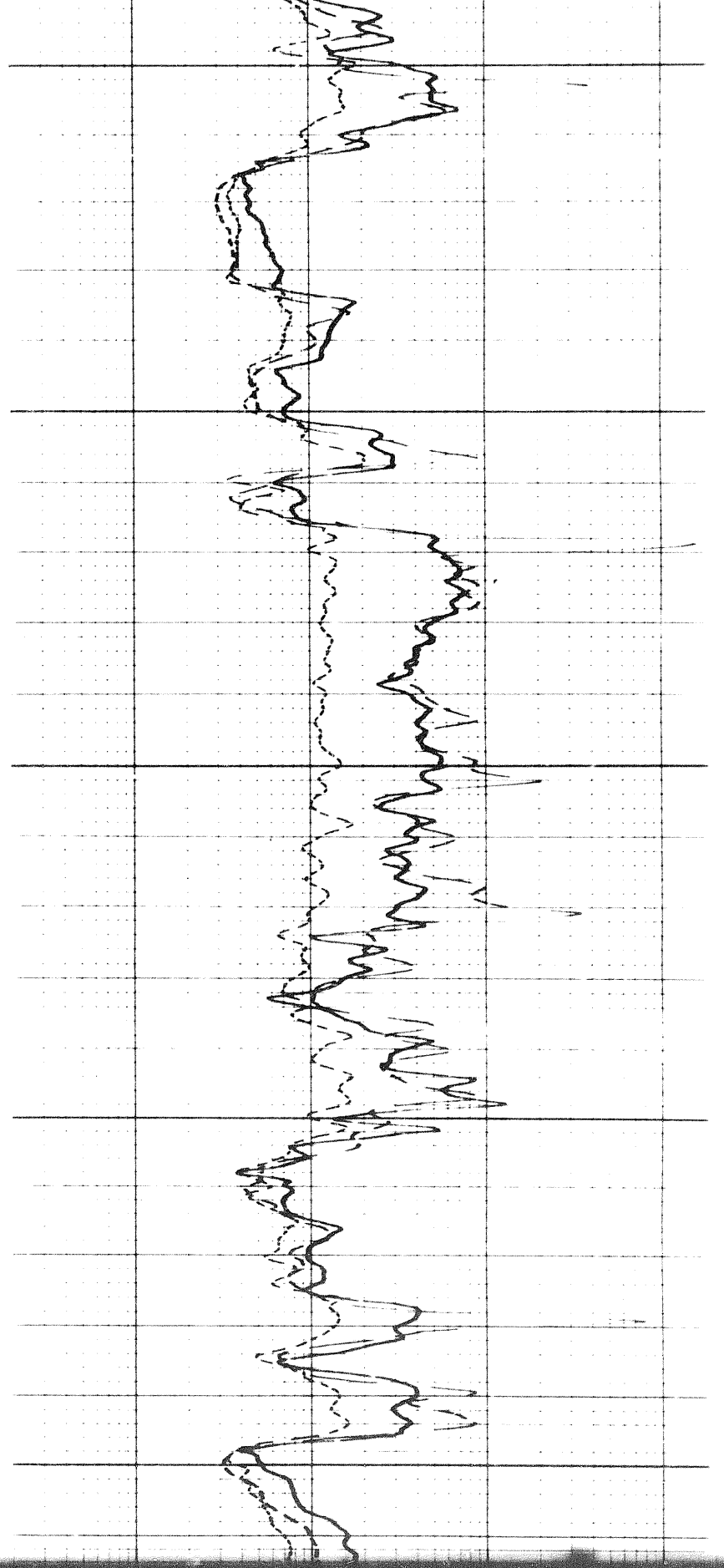
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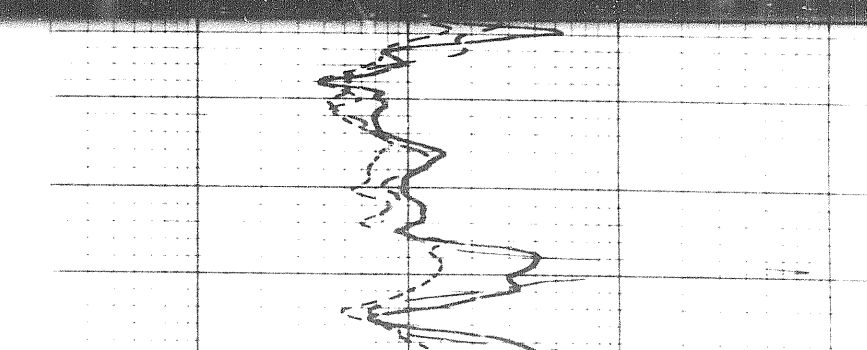


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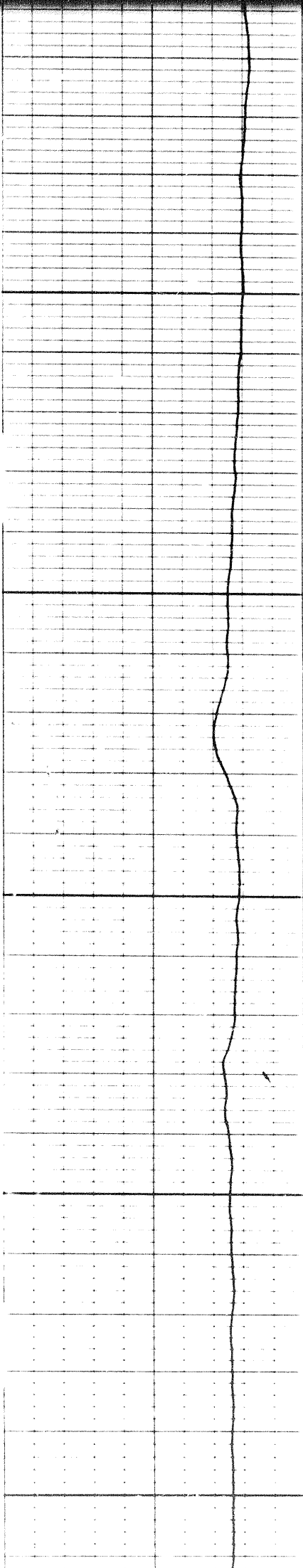
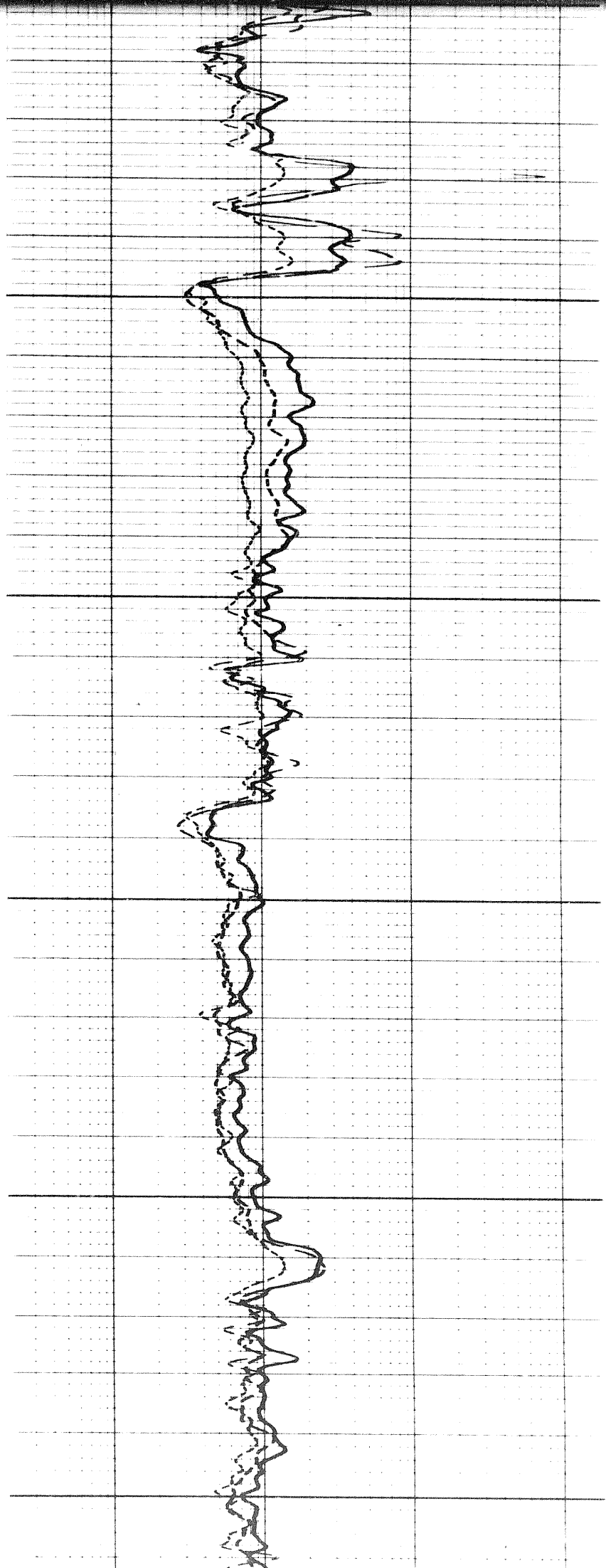
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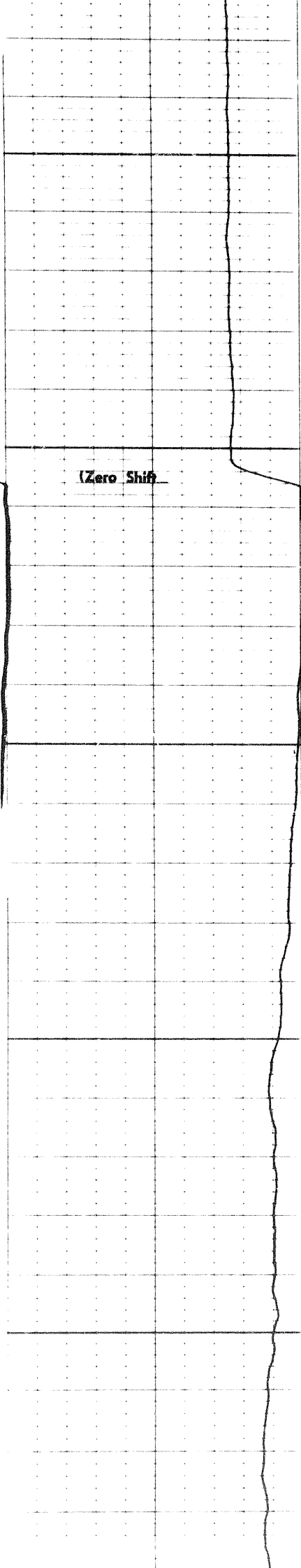
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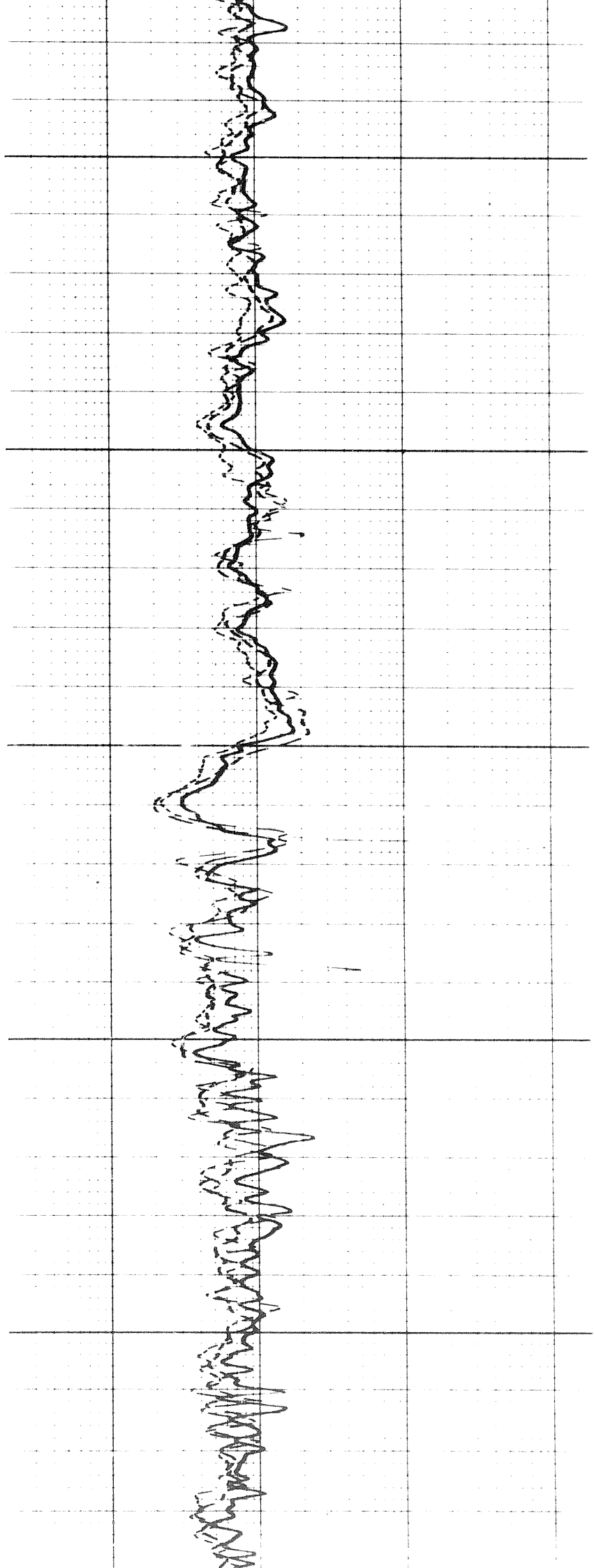


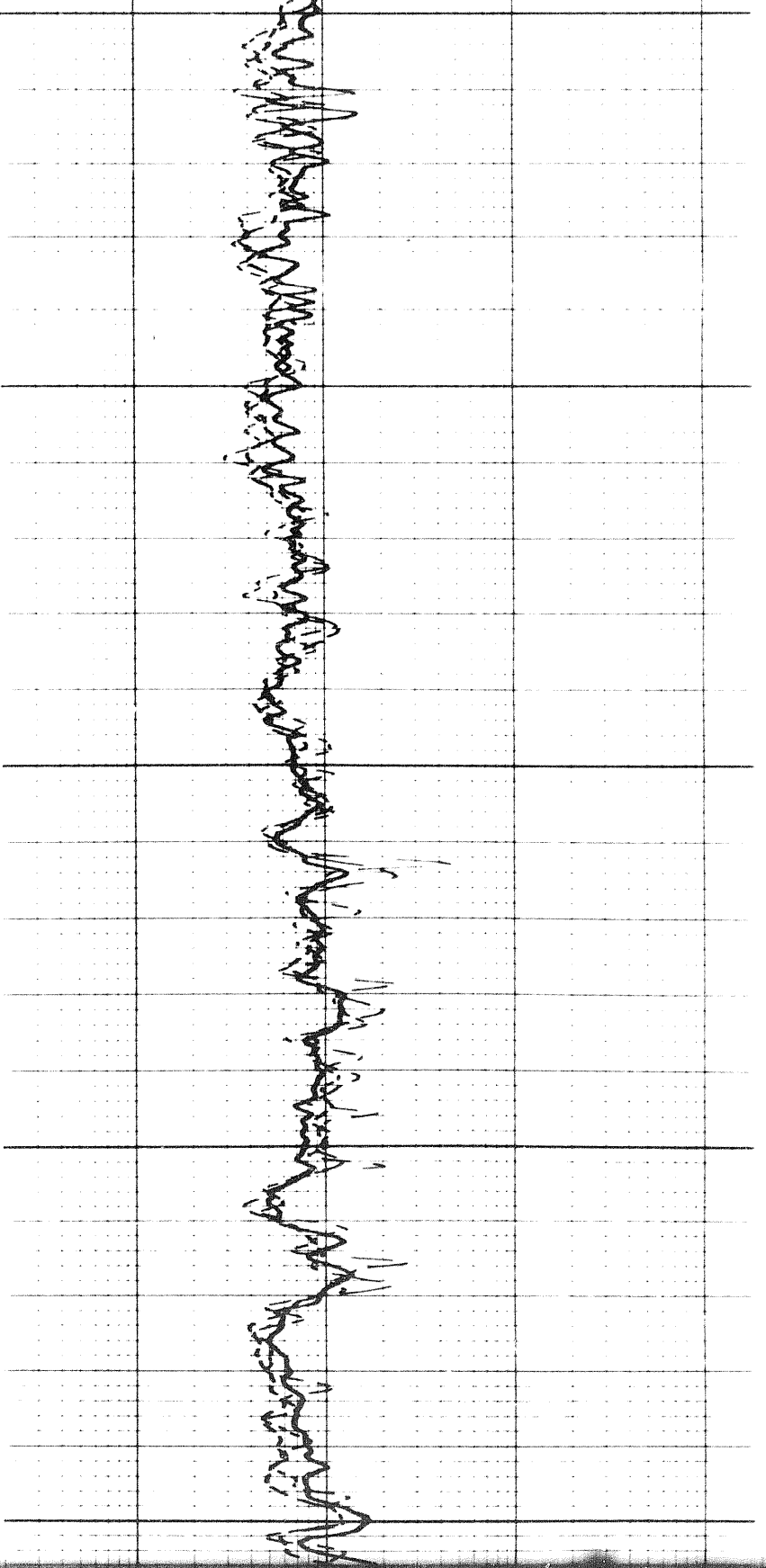
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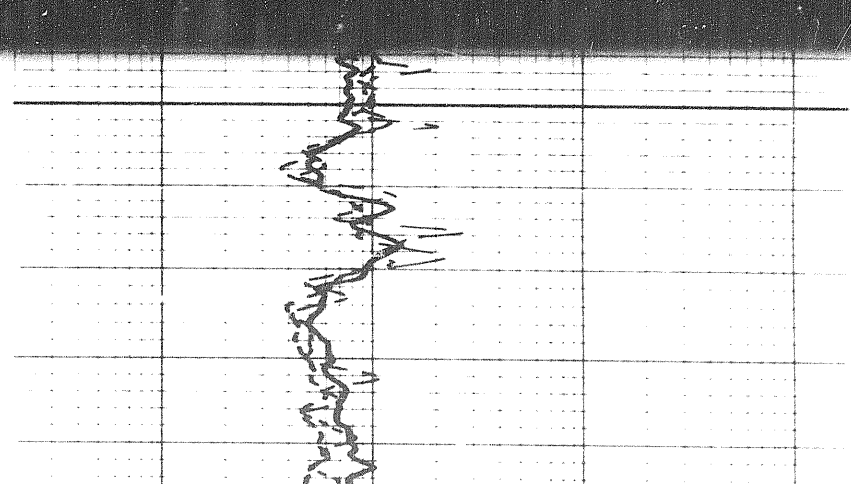
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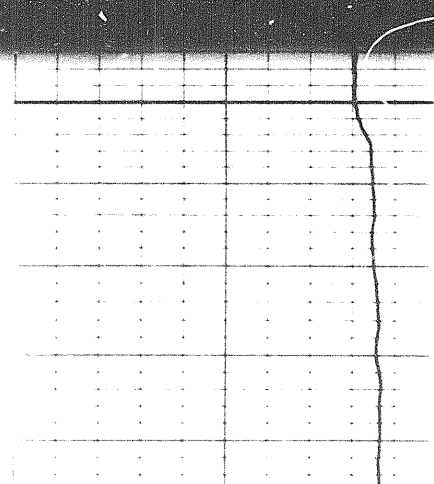
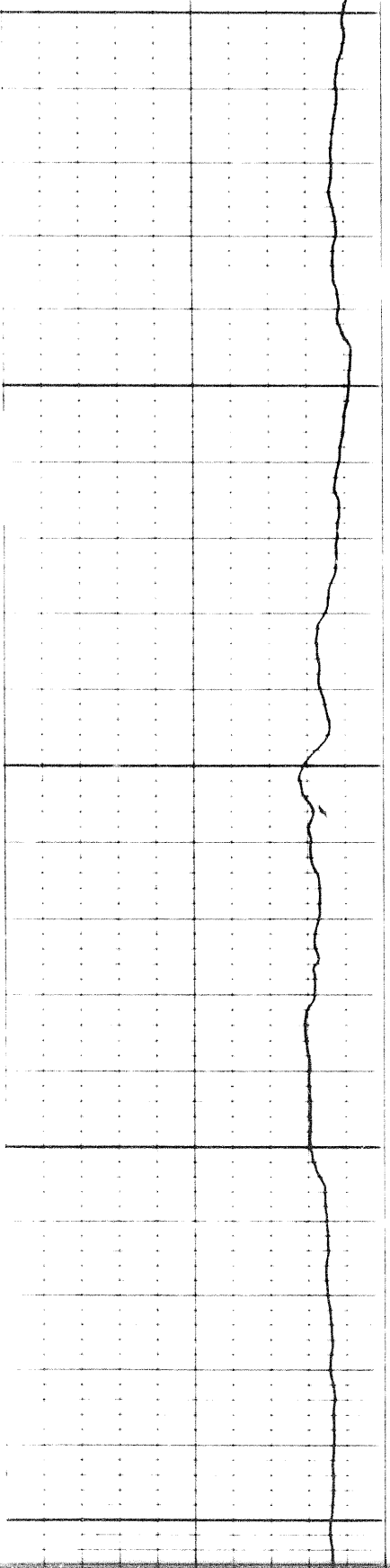


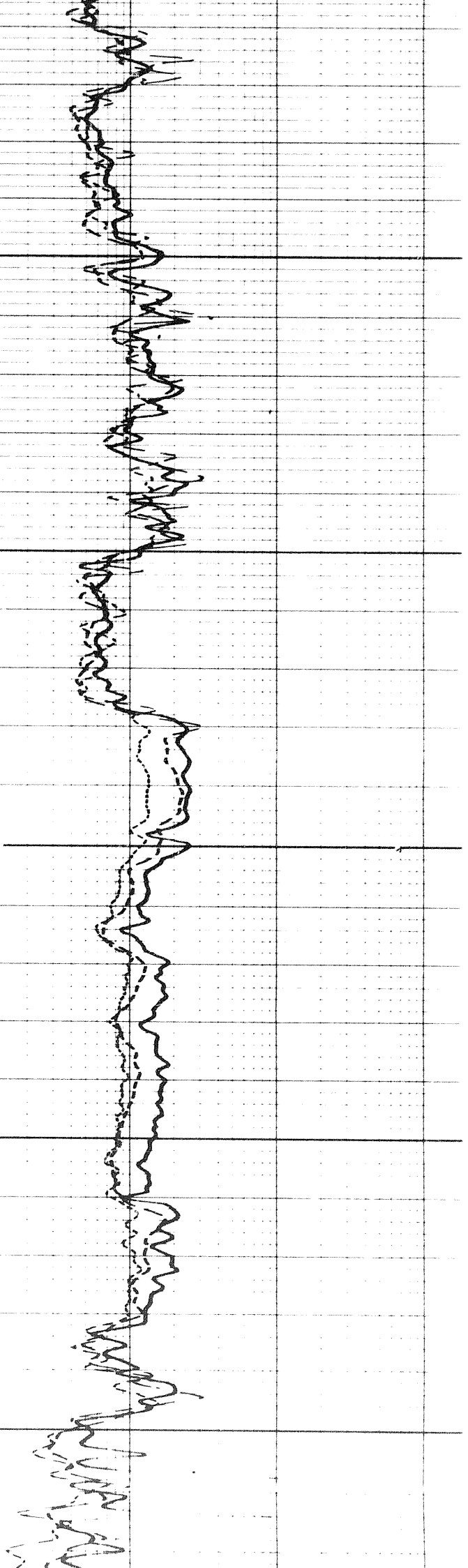
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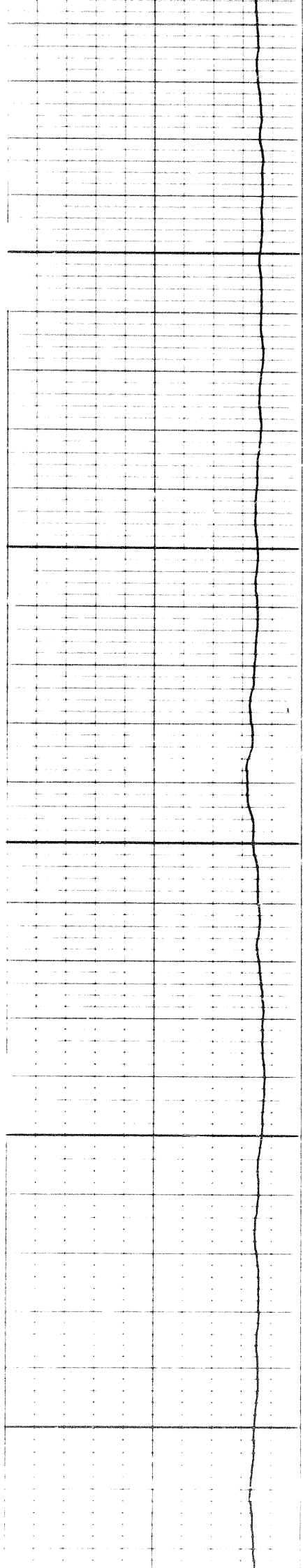
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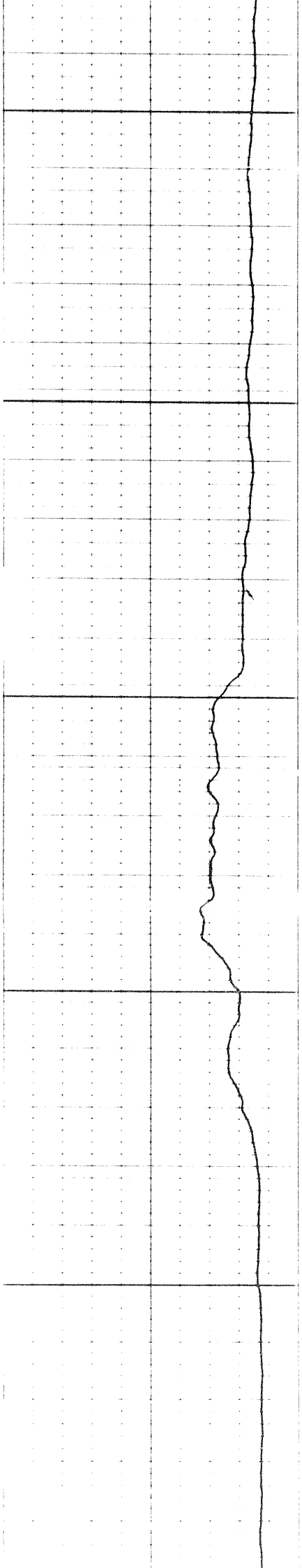




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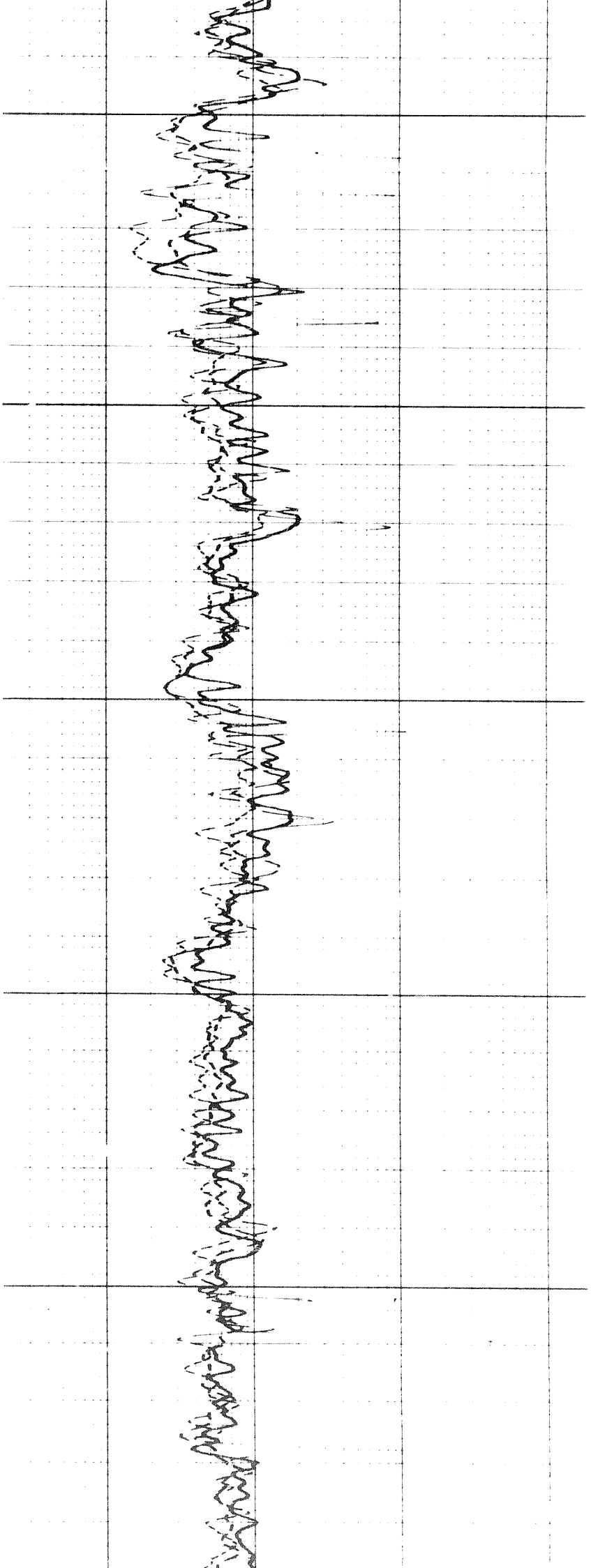


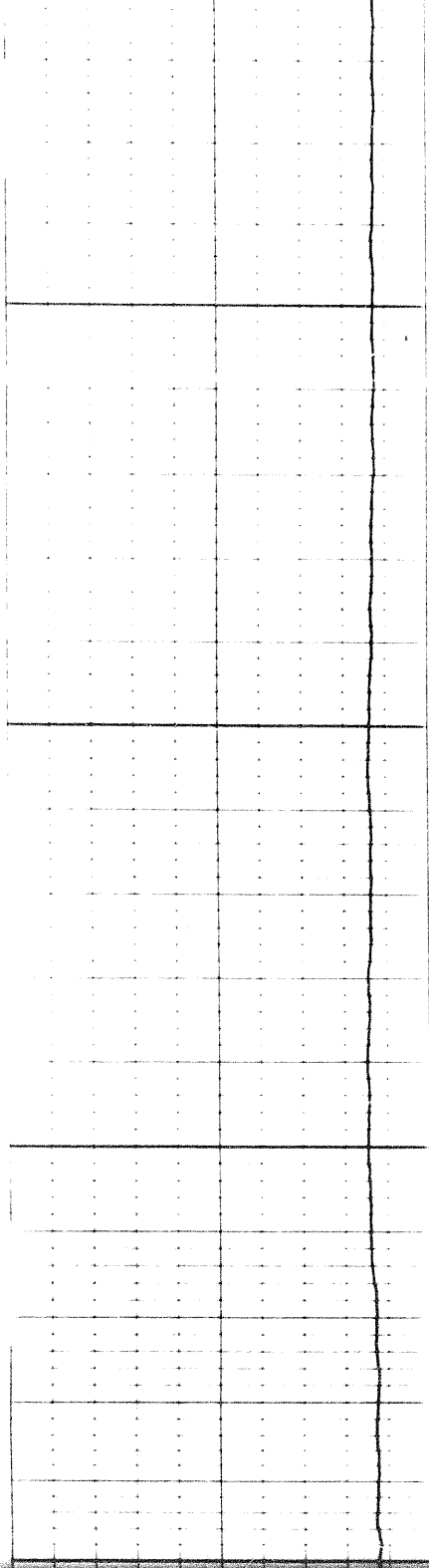


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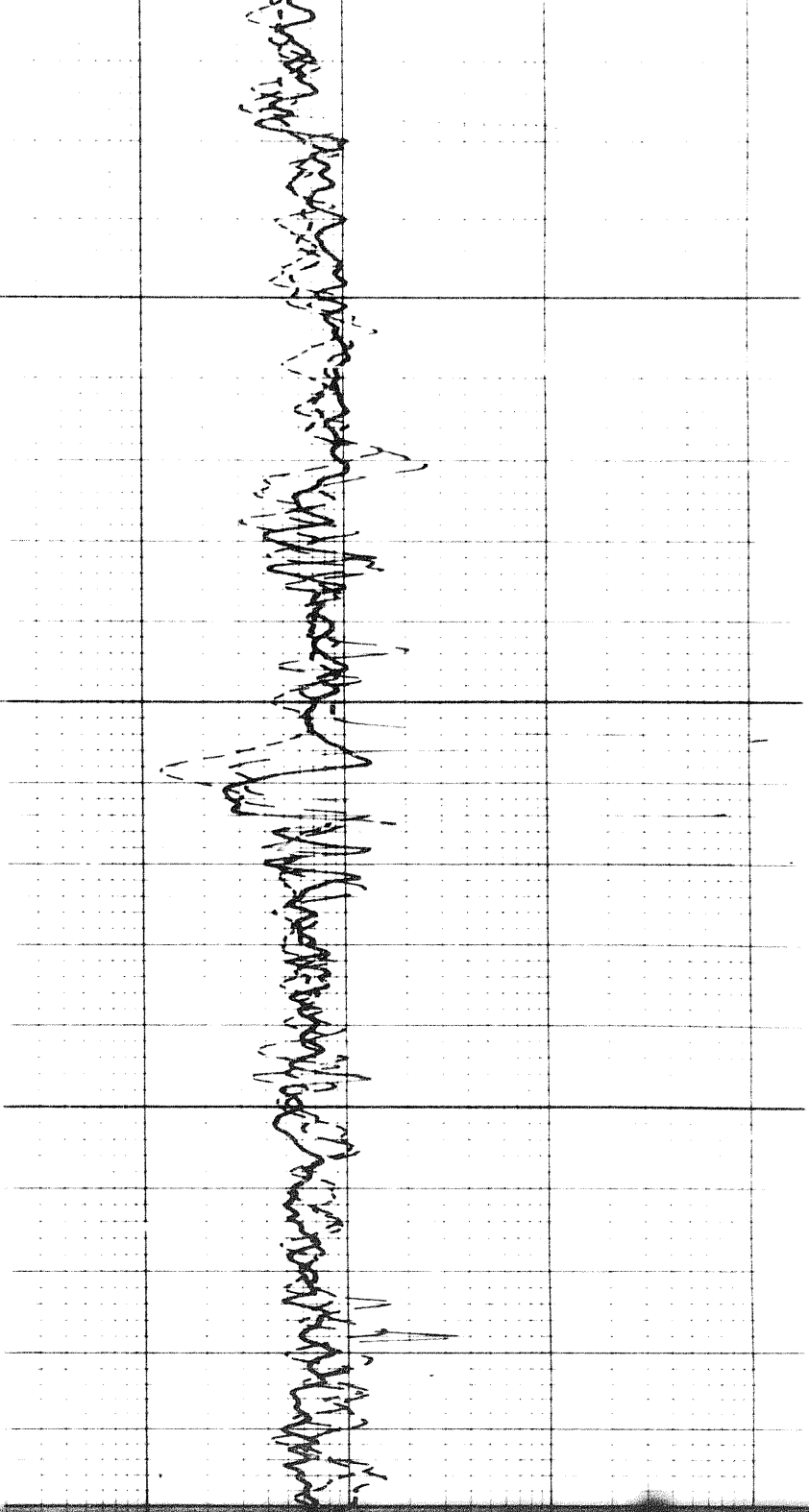
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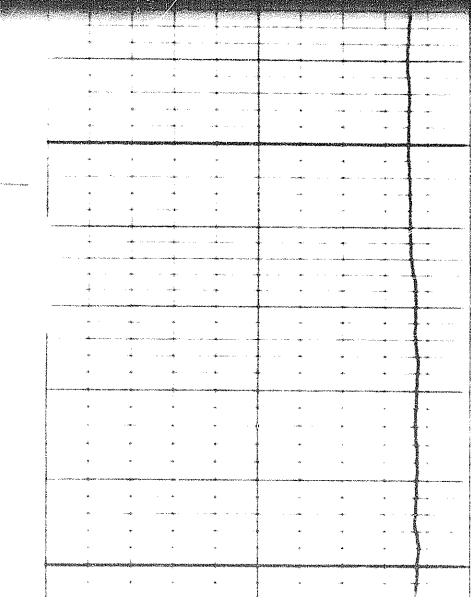




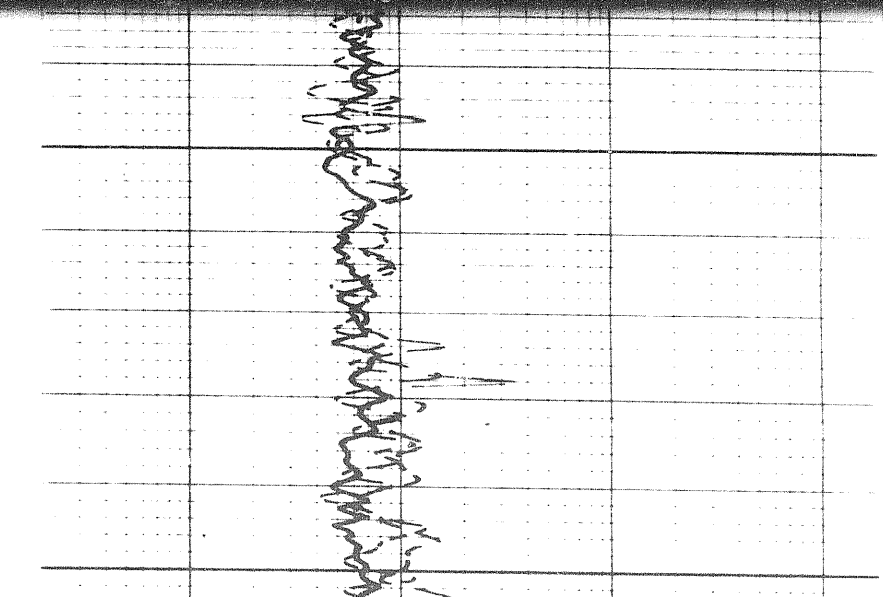
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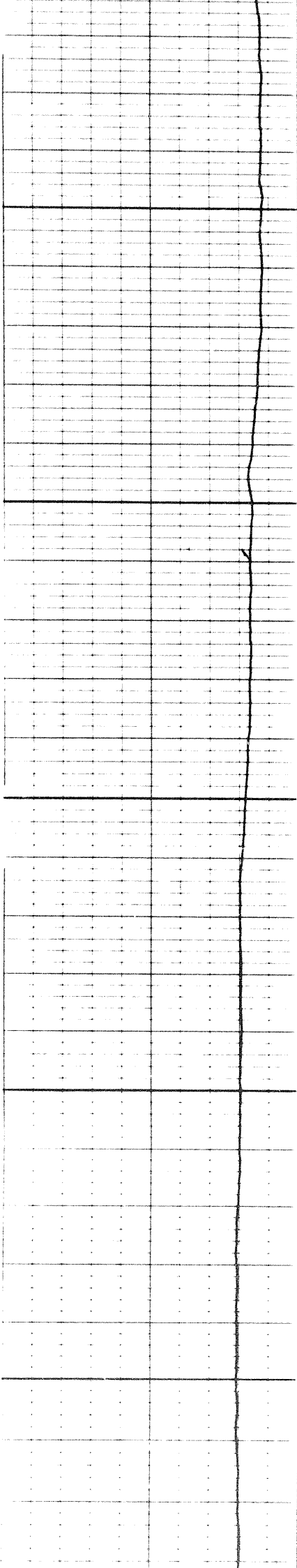


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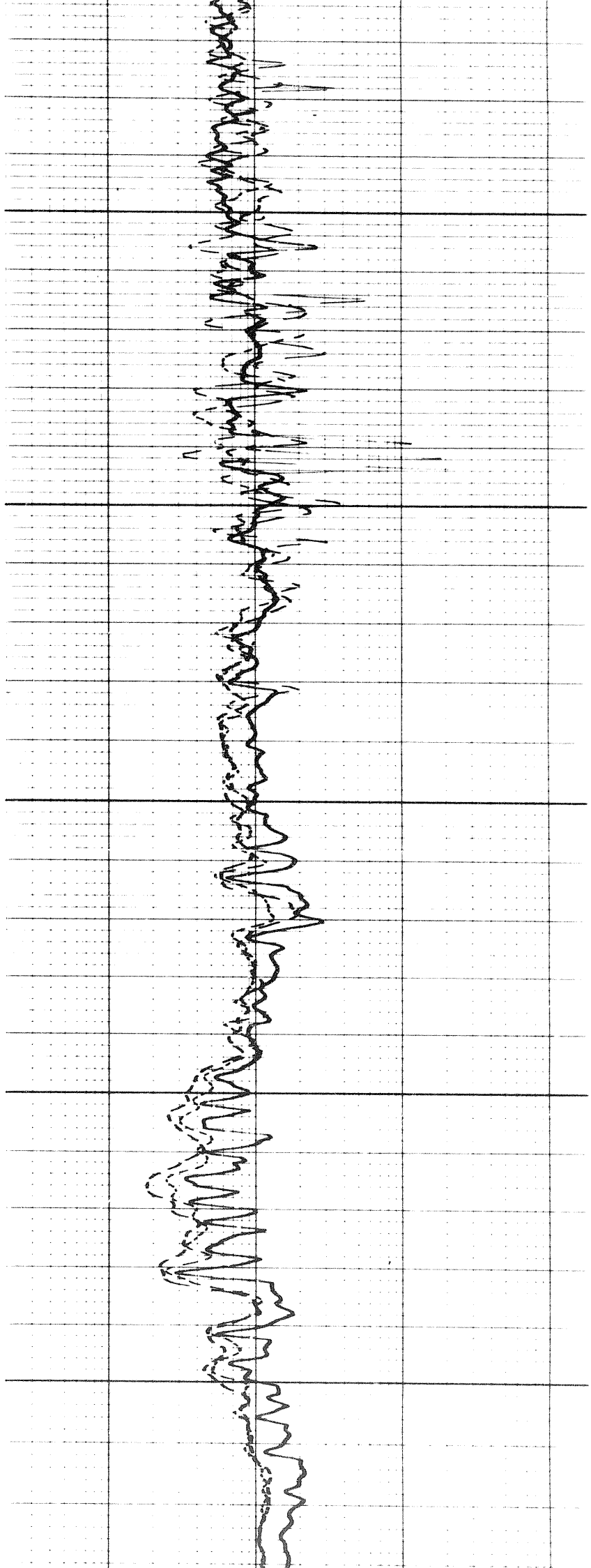
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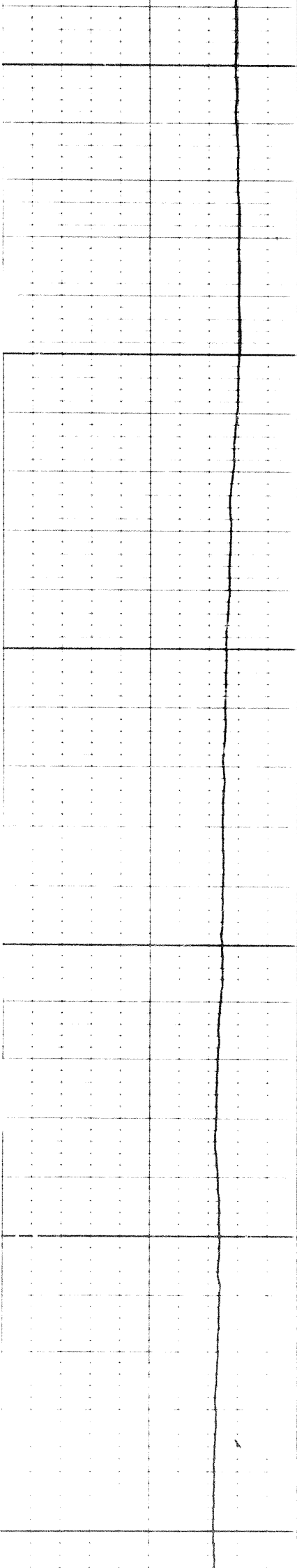




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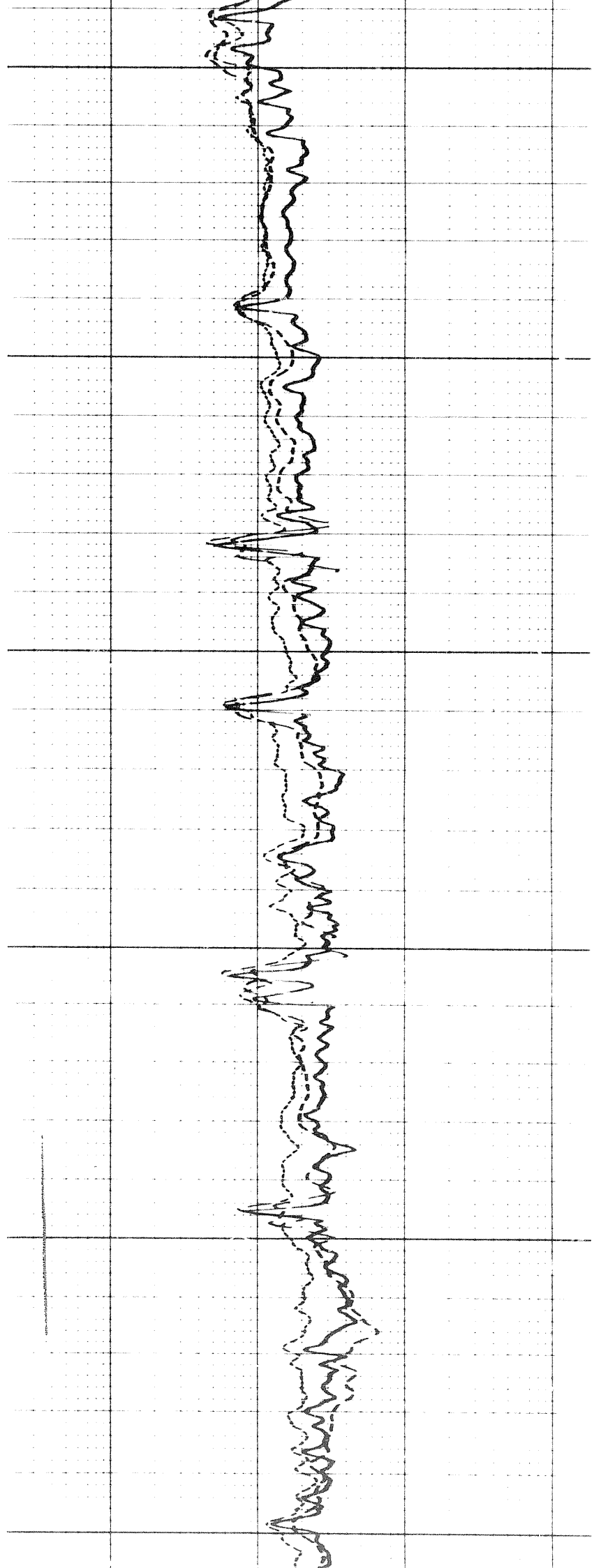




3600

3700

3800

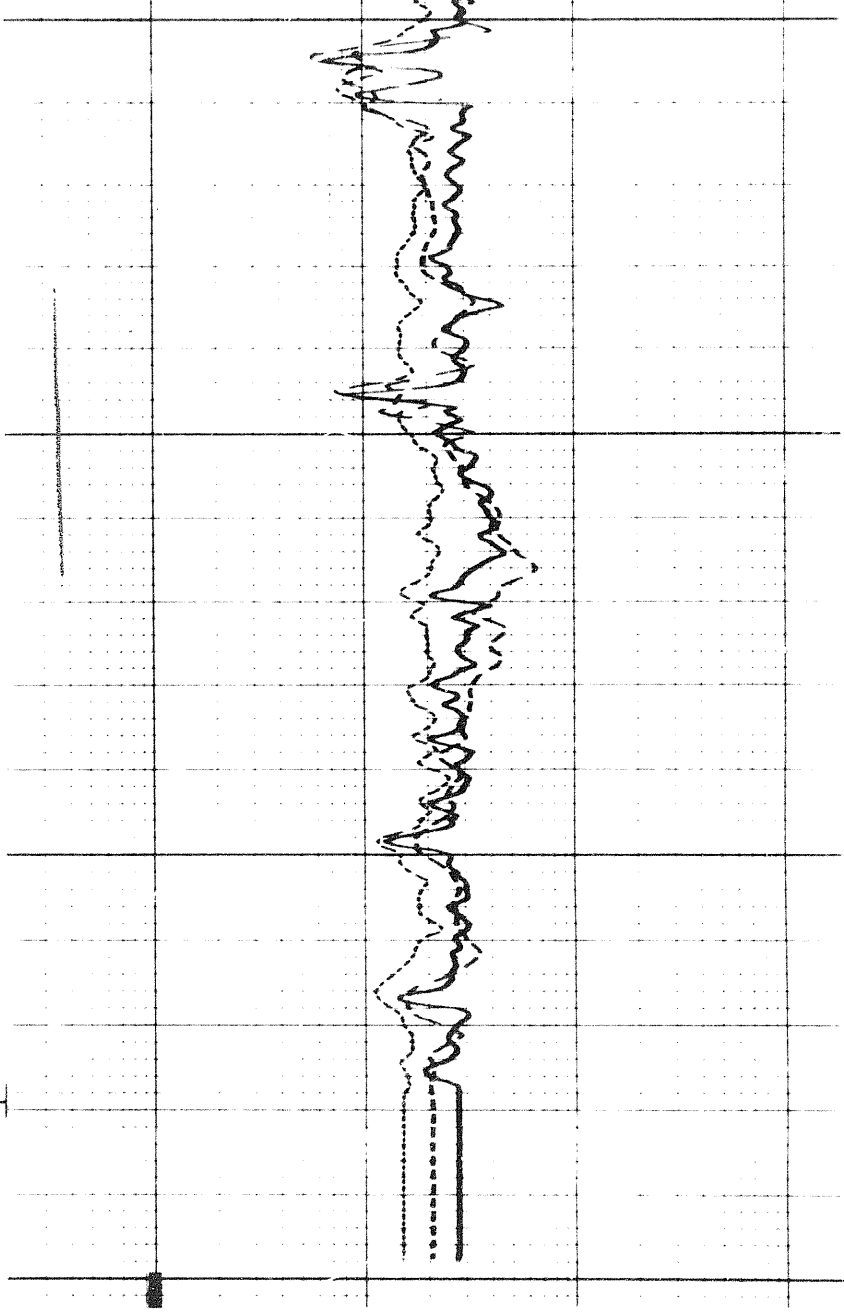


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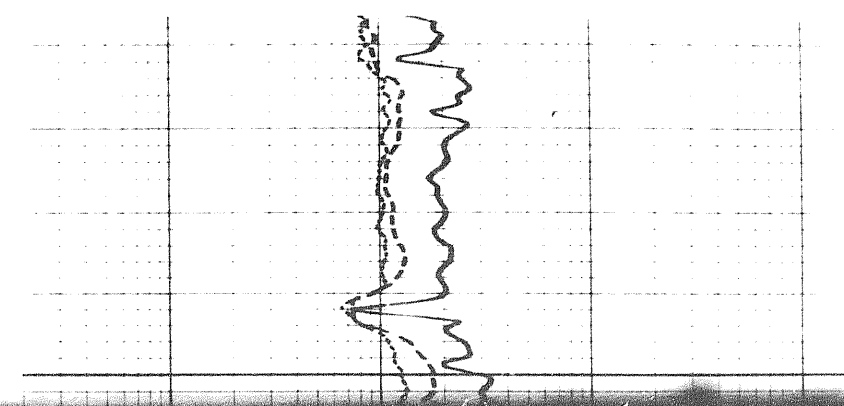
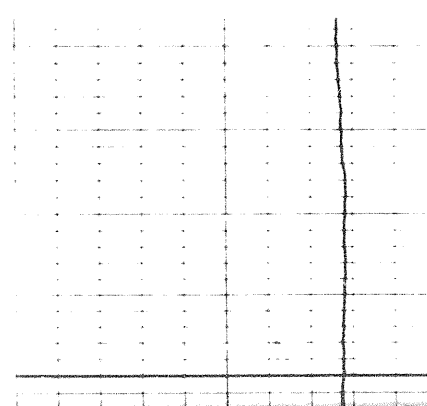
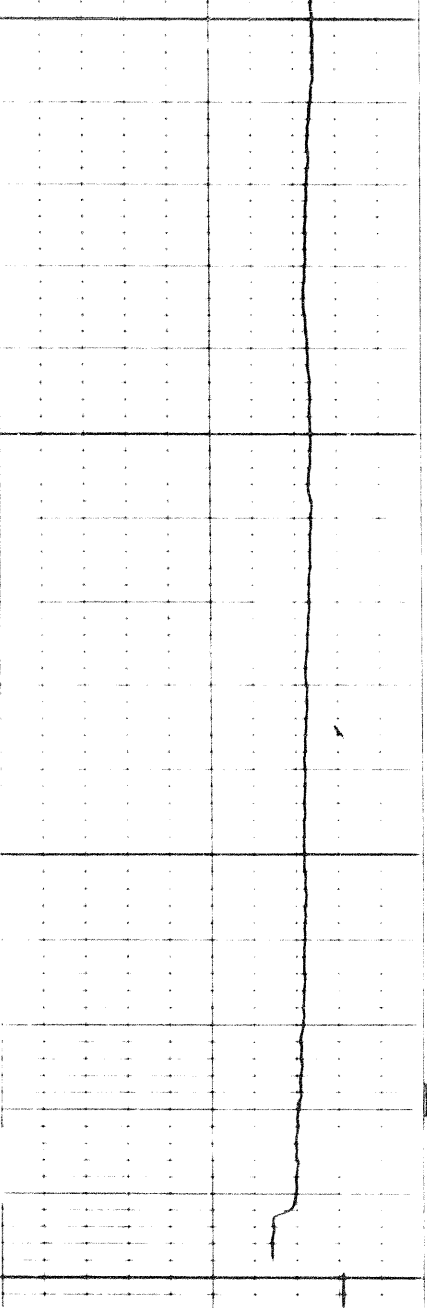
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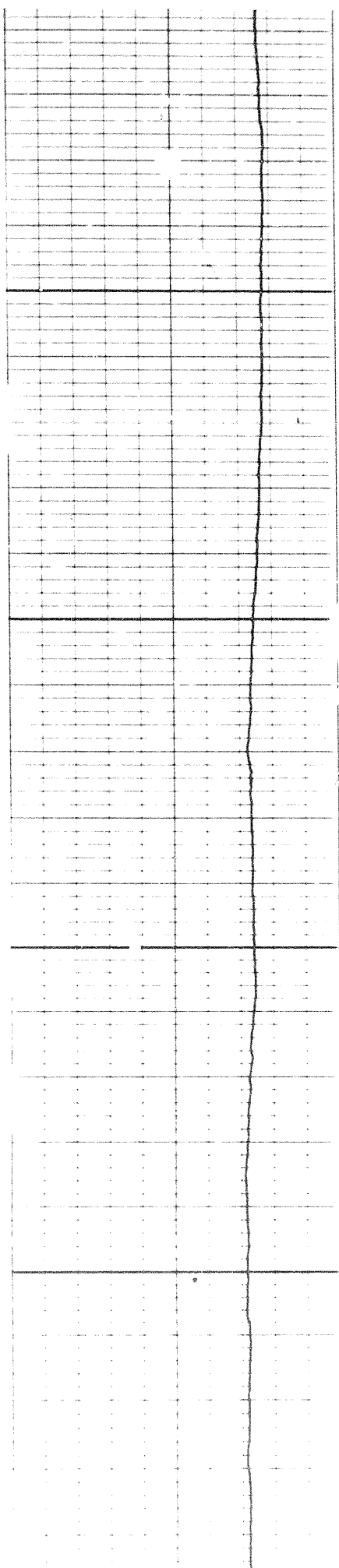
3600



REPEAT SECTION

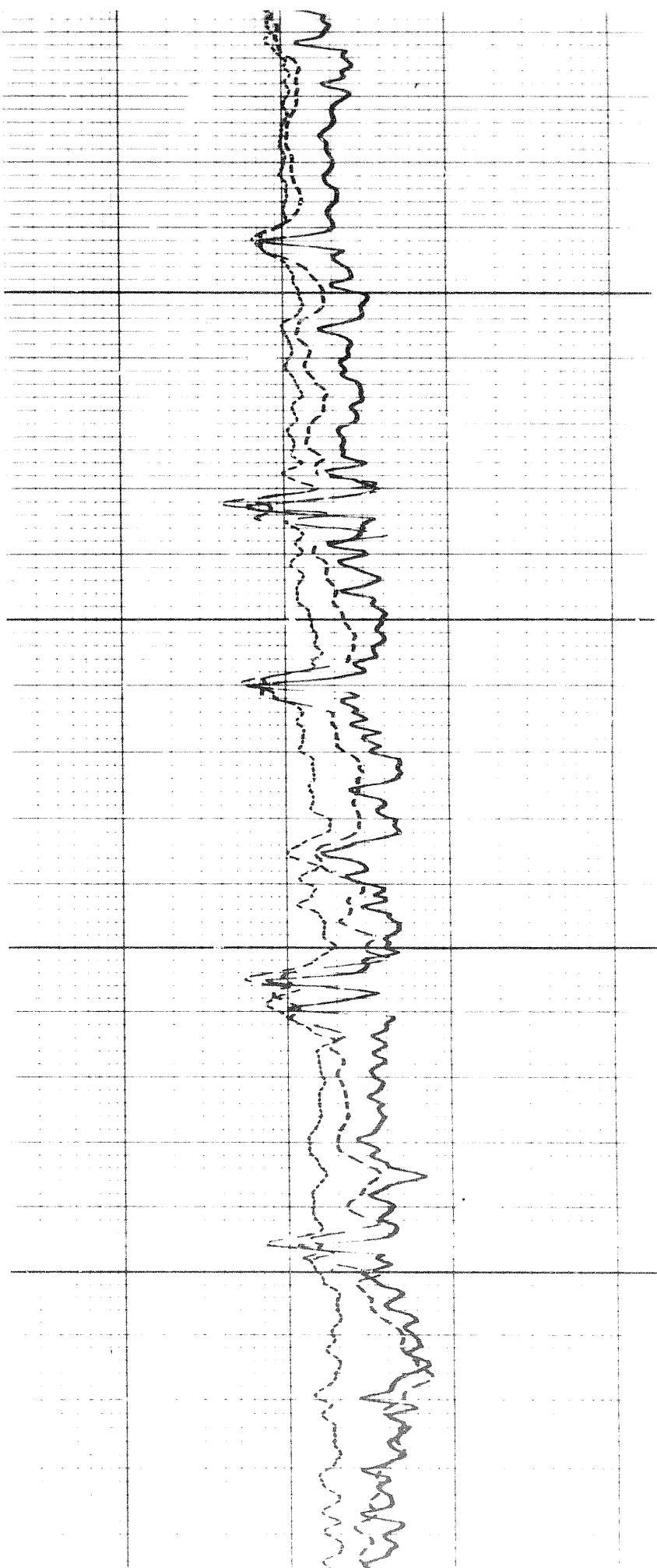


REPEAT SECTION

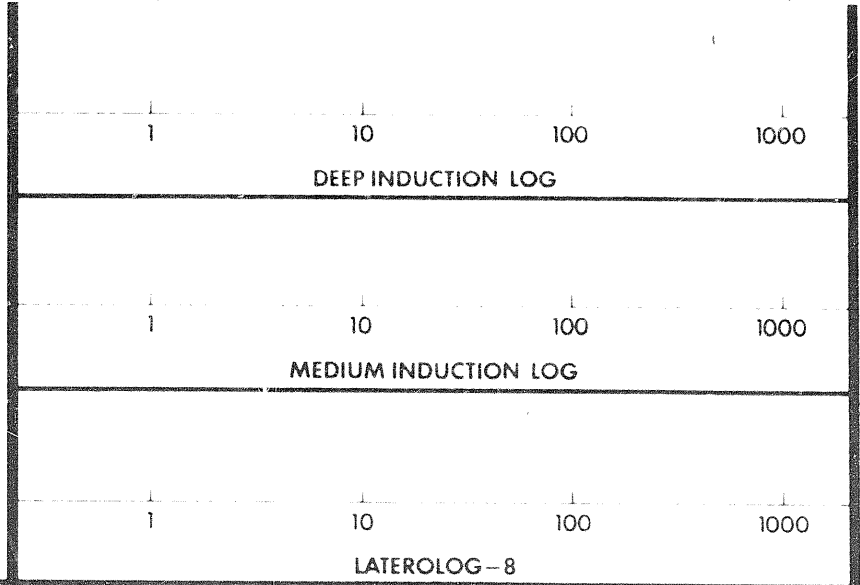
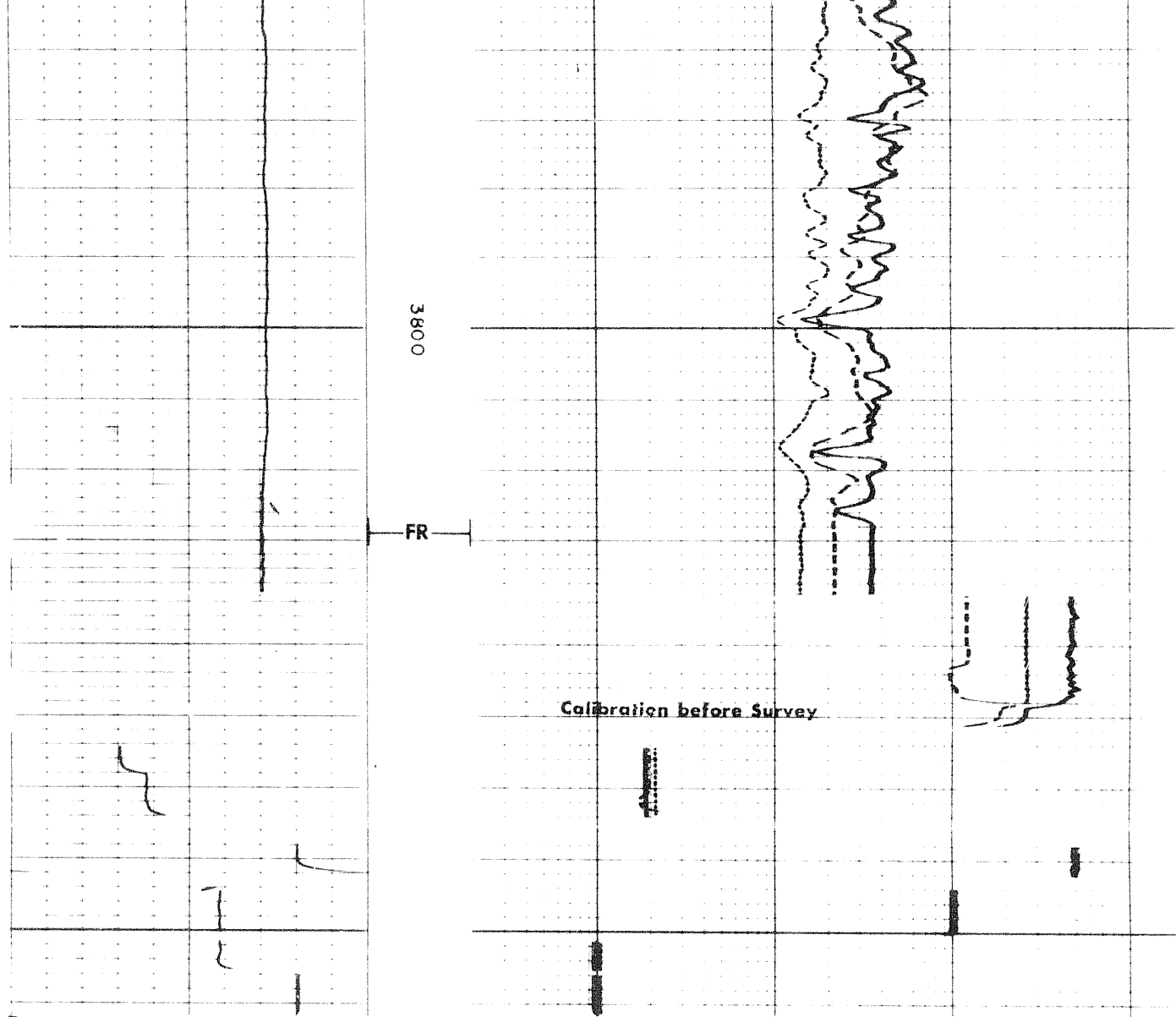


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3700



1121



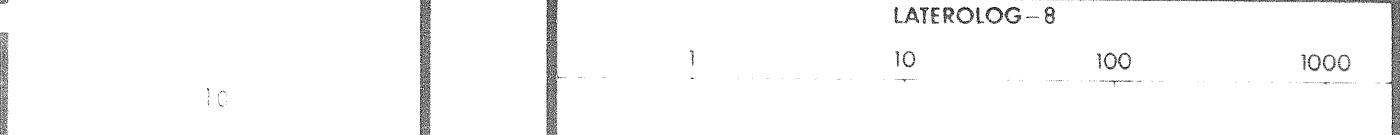
Speed in FPM

10

SPONTANEOUS - POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms m/m
---------------------------------------	--------	-------------------------

DETAIL LOG 5" = 100' RUN 2

SPONTANEOUS - POTENTIAL millivolts	DEPTHS	RESISTIVITY ohms m/m
---------------------------------------	--------	-------------------------



Speed in FPM

10

SPONTANEOUS - POTENTIAL
millivolts

DEPTH

RESISTIVITY
ohms m/m

Speed in FPM

10

LATEROLOG-8

1 10 100 1000

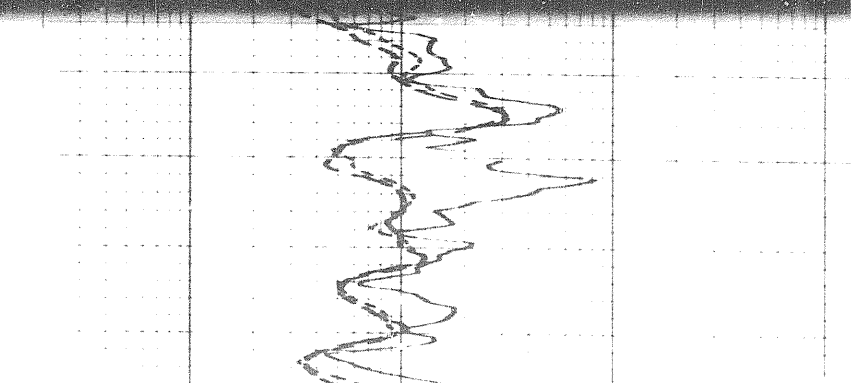
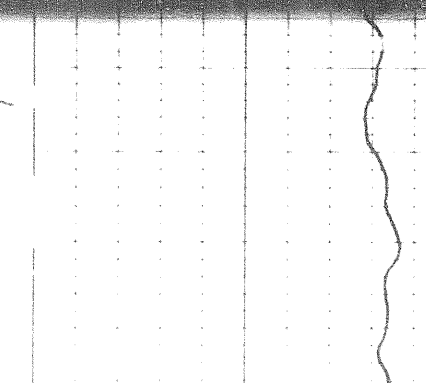
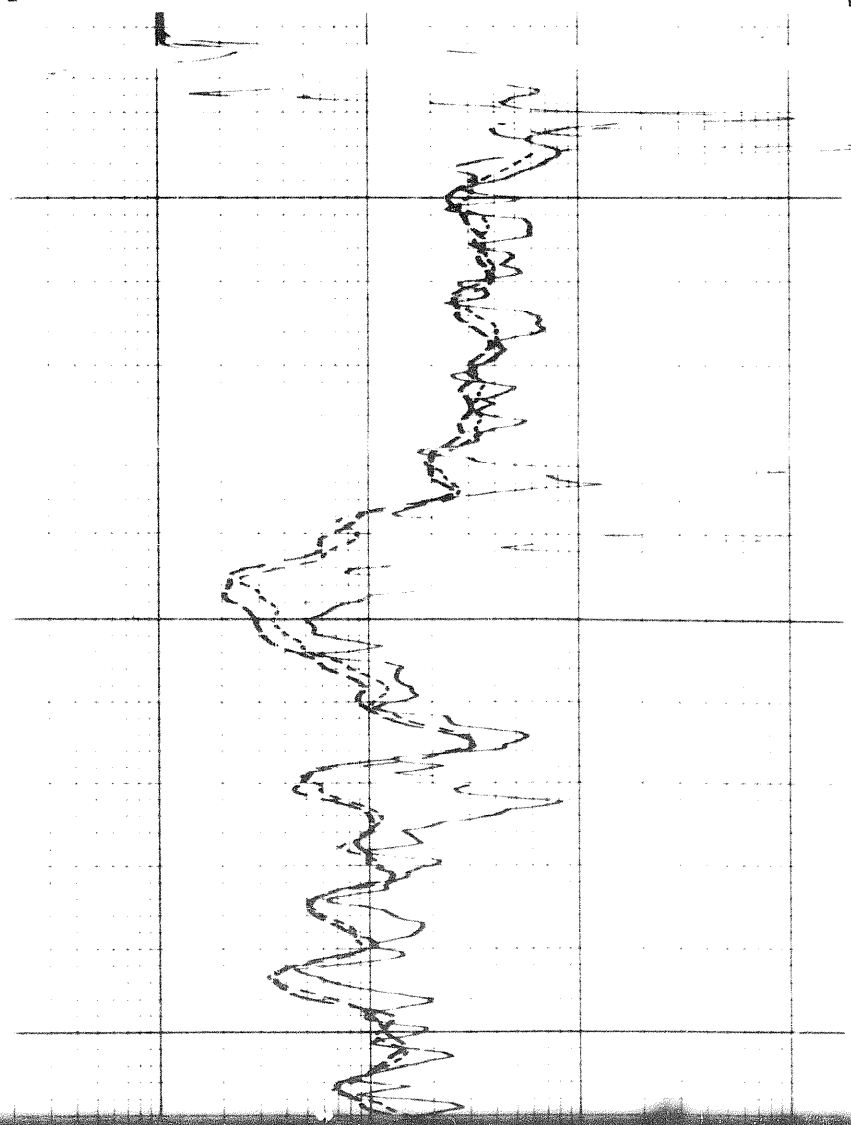
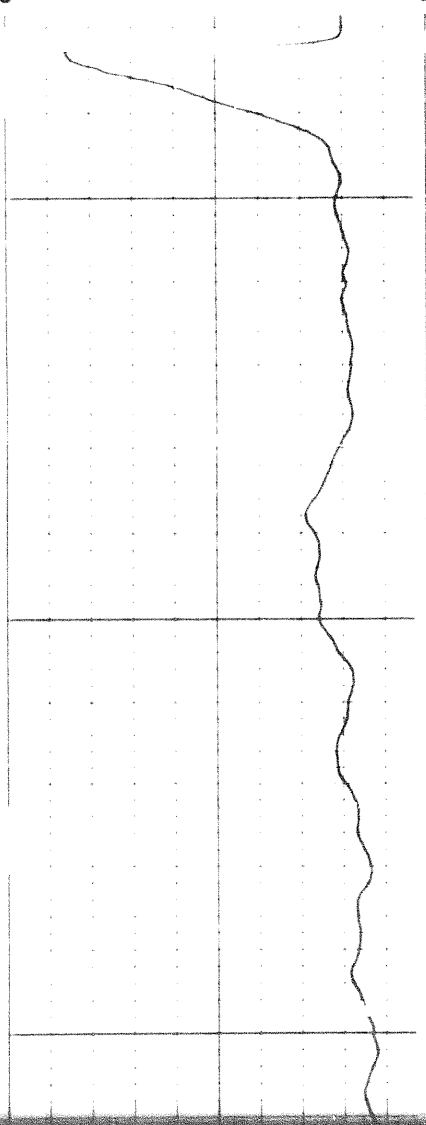
MEDIUM INDUCTION LOG

1 10 100 1000

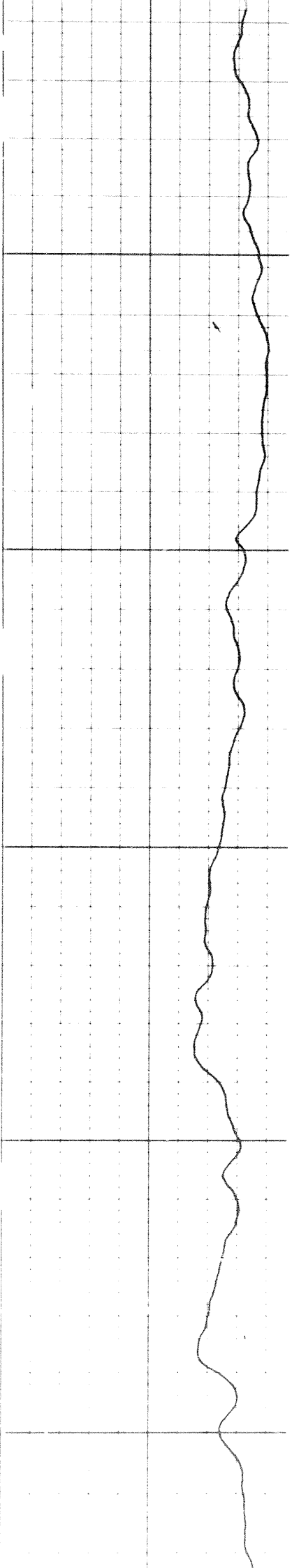
DEEP INDUCTION LOG

1 10 100 1000

3900

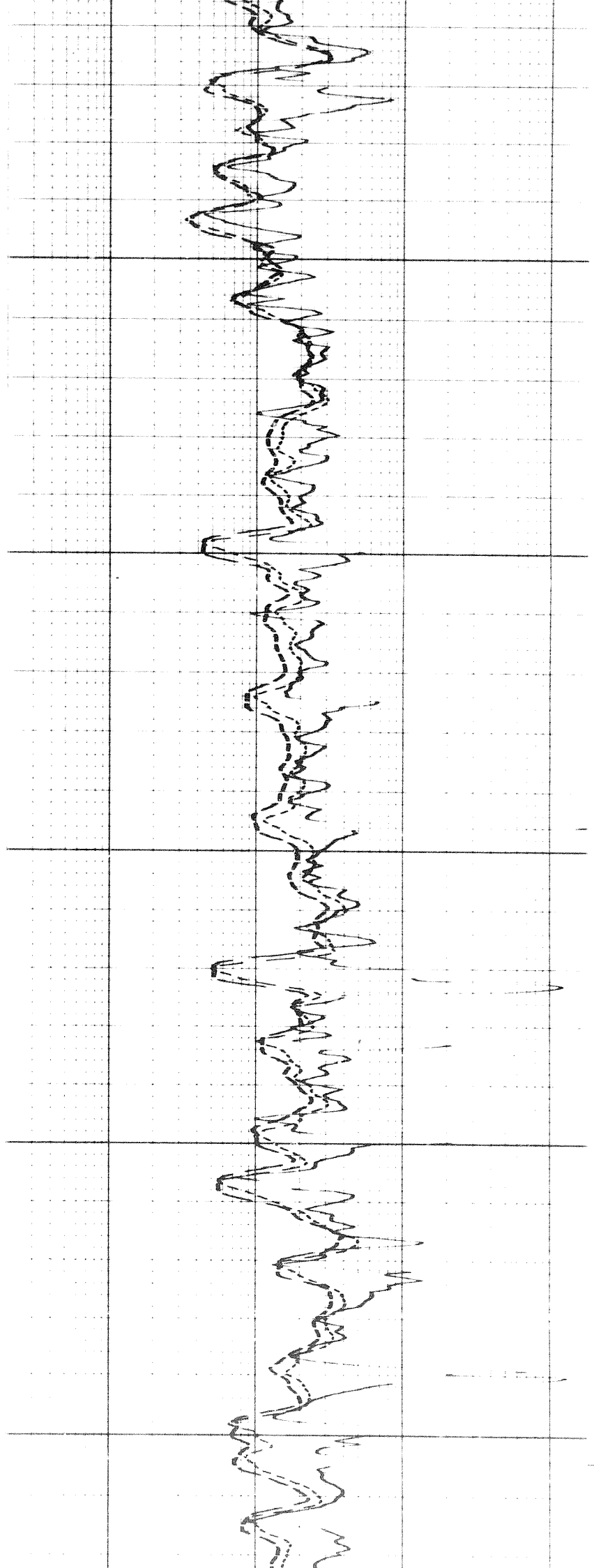


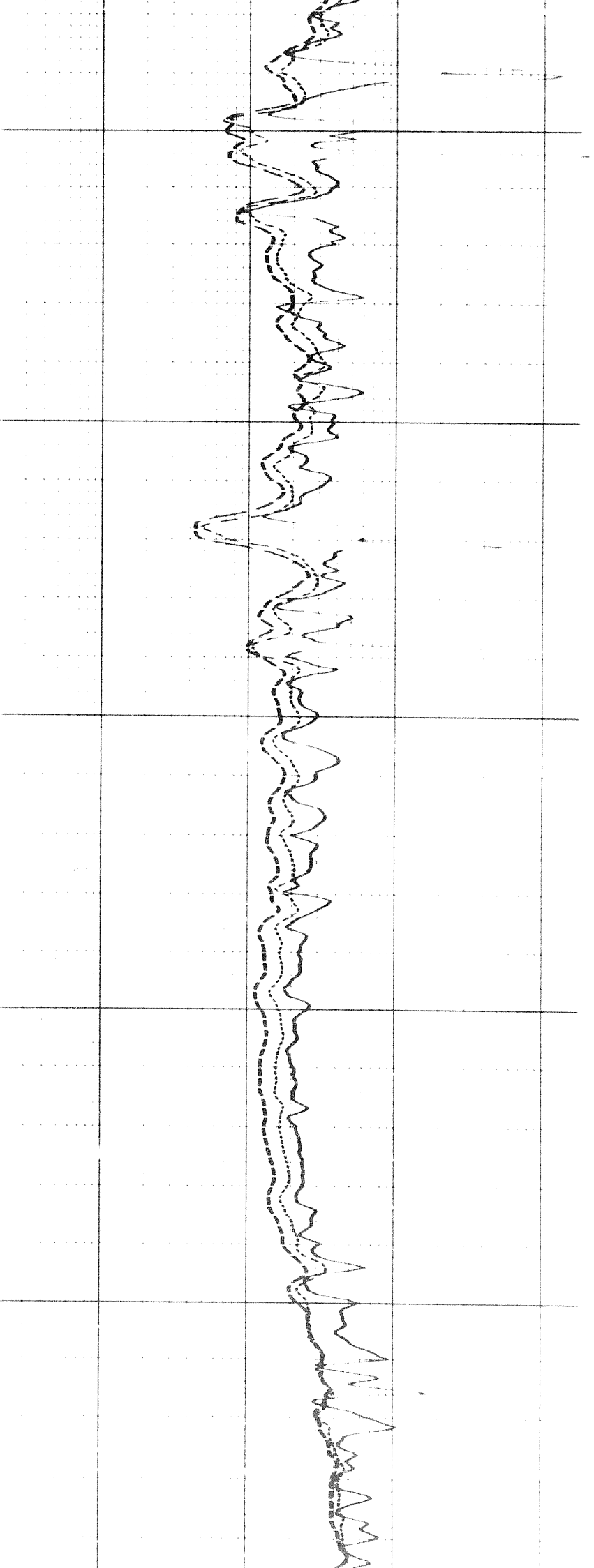
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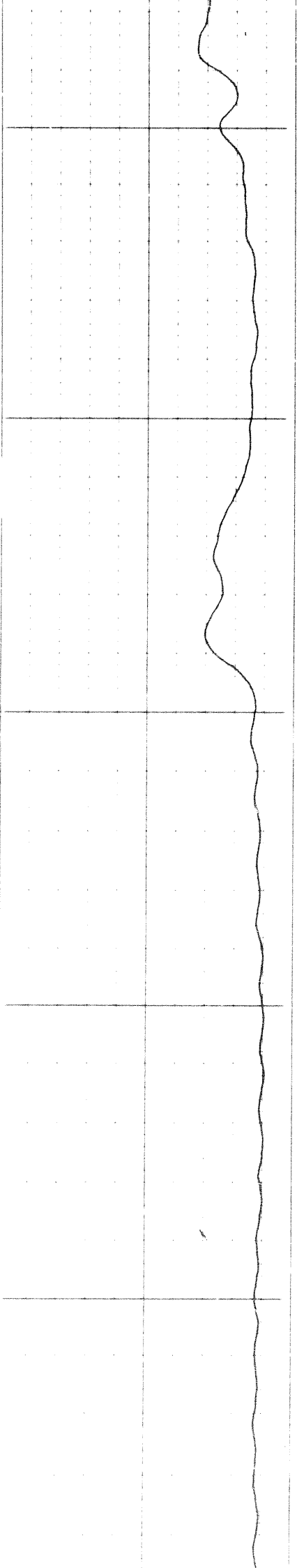
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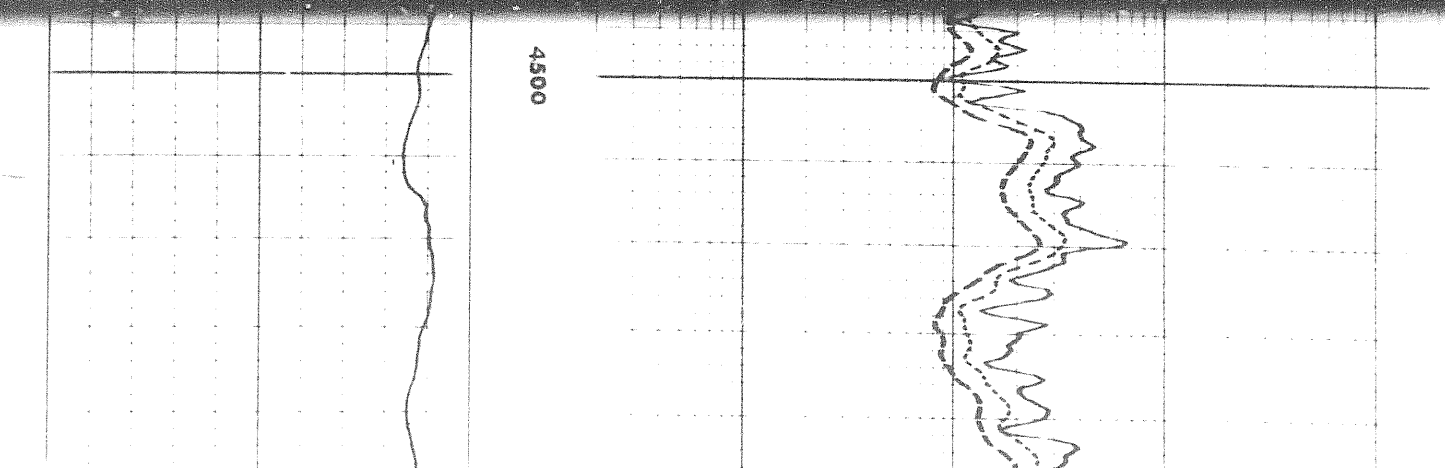
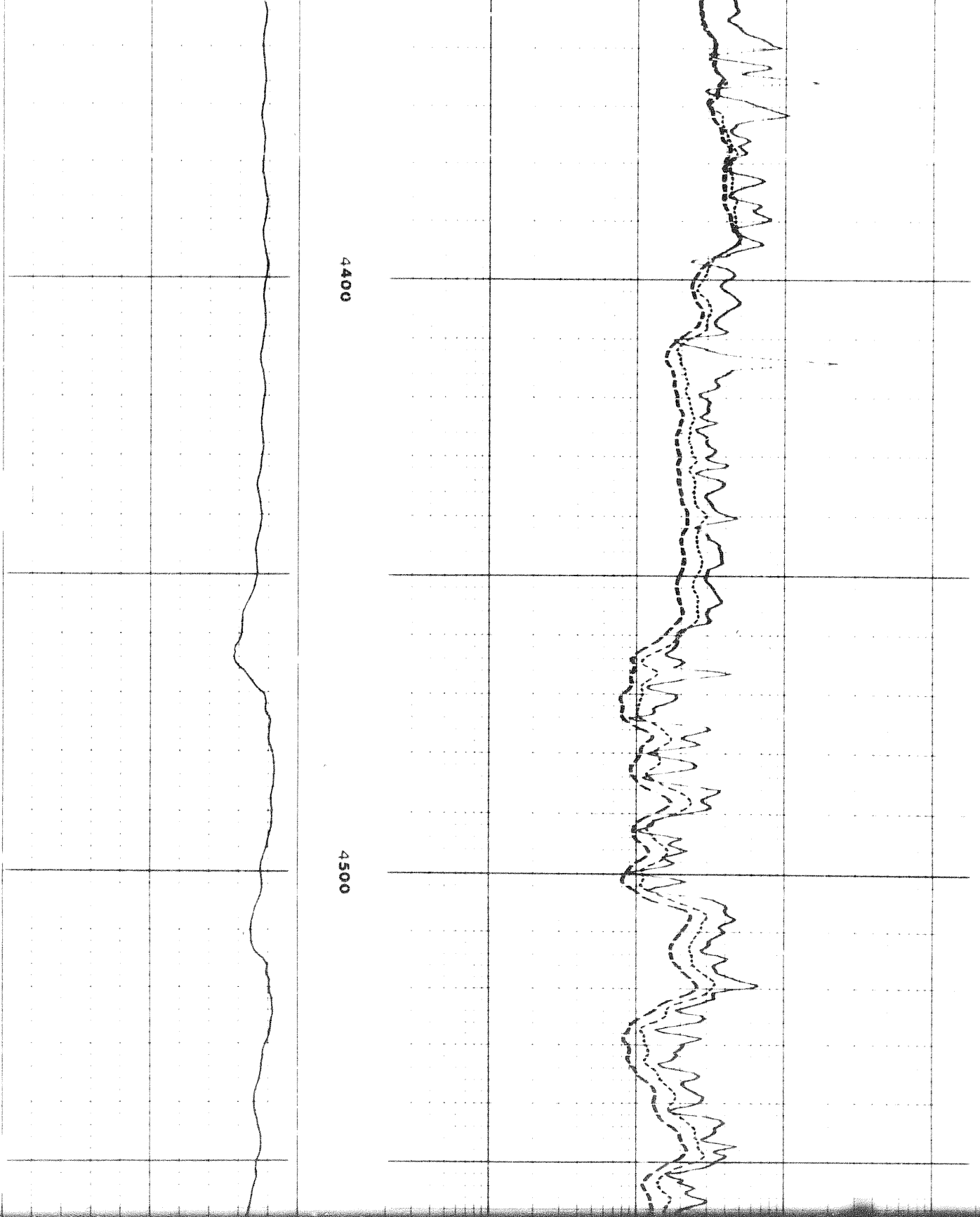




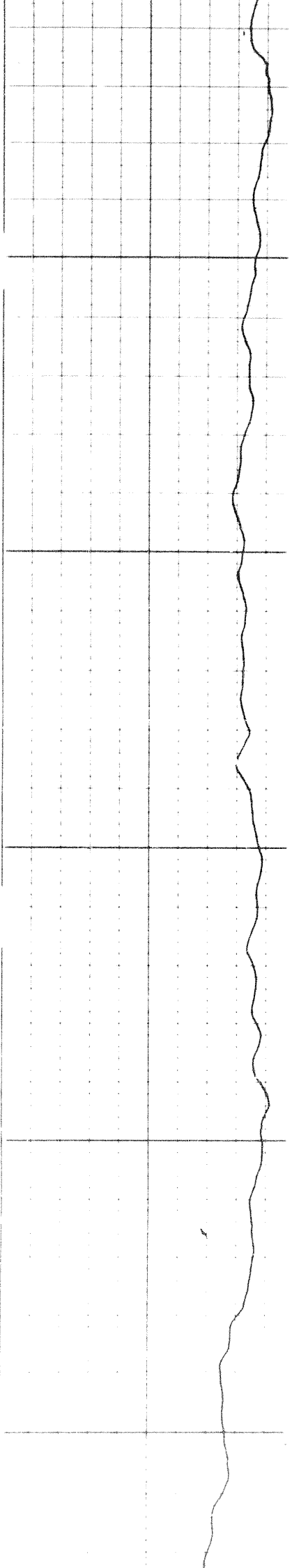
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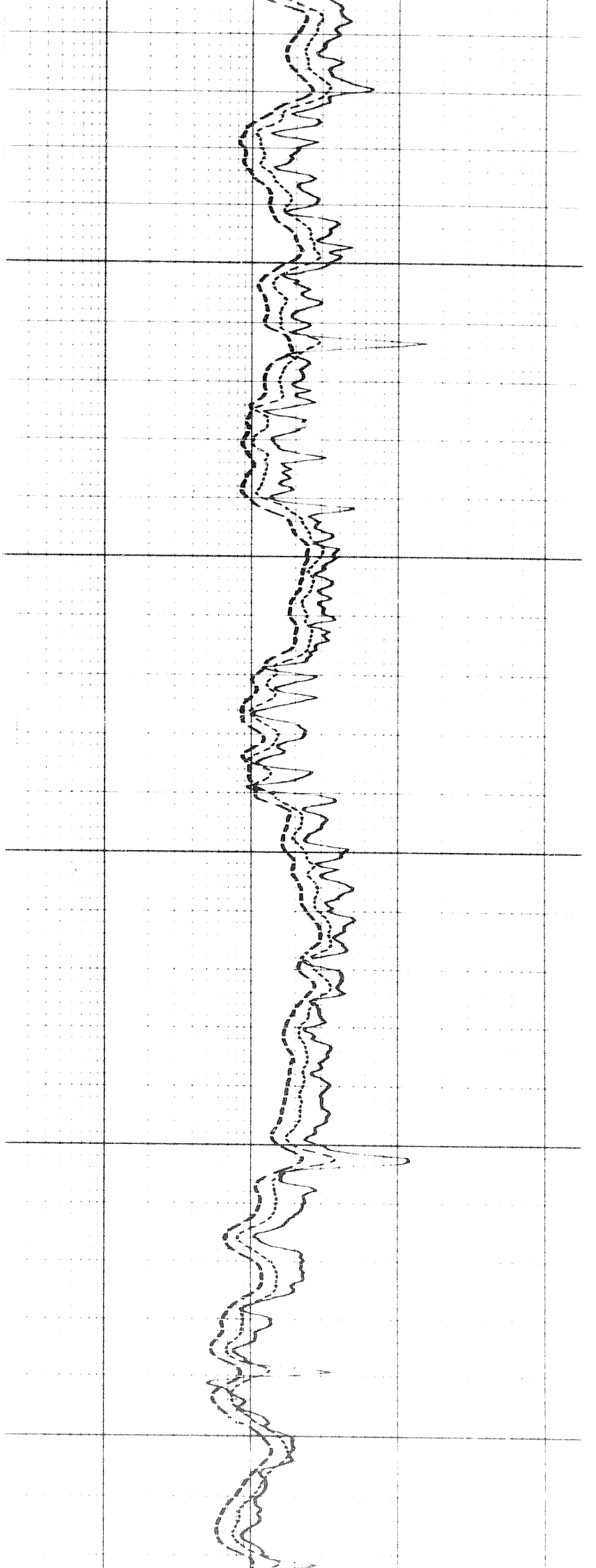


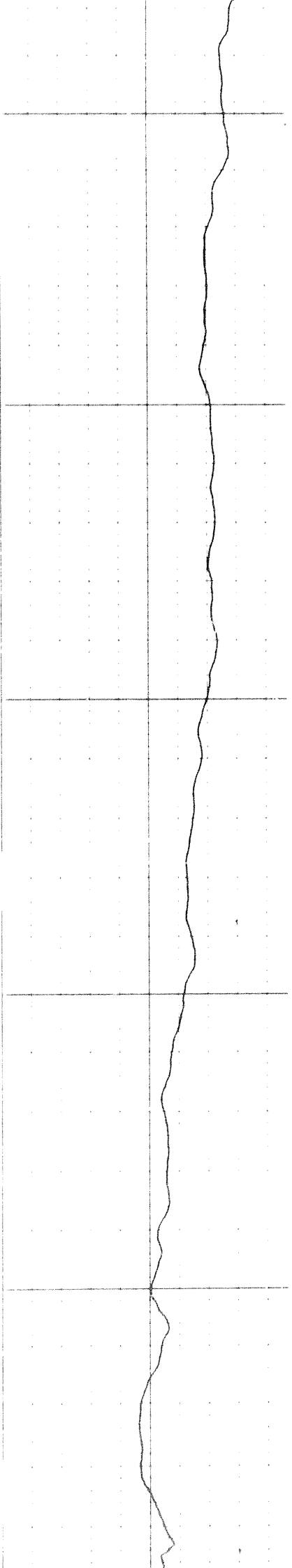
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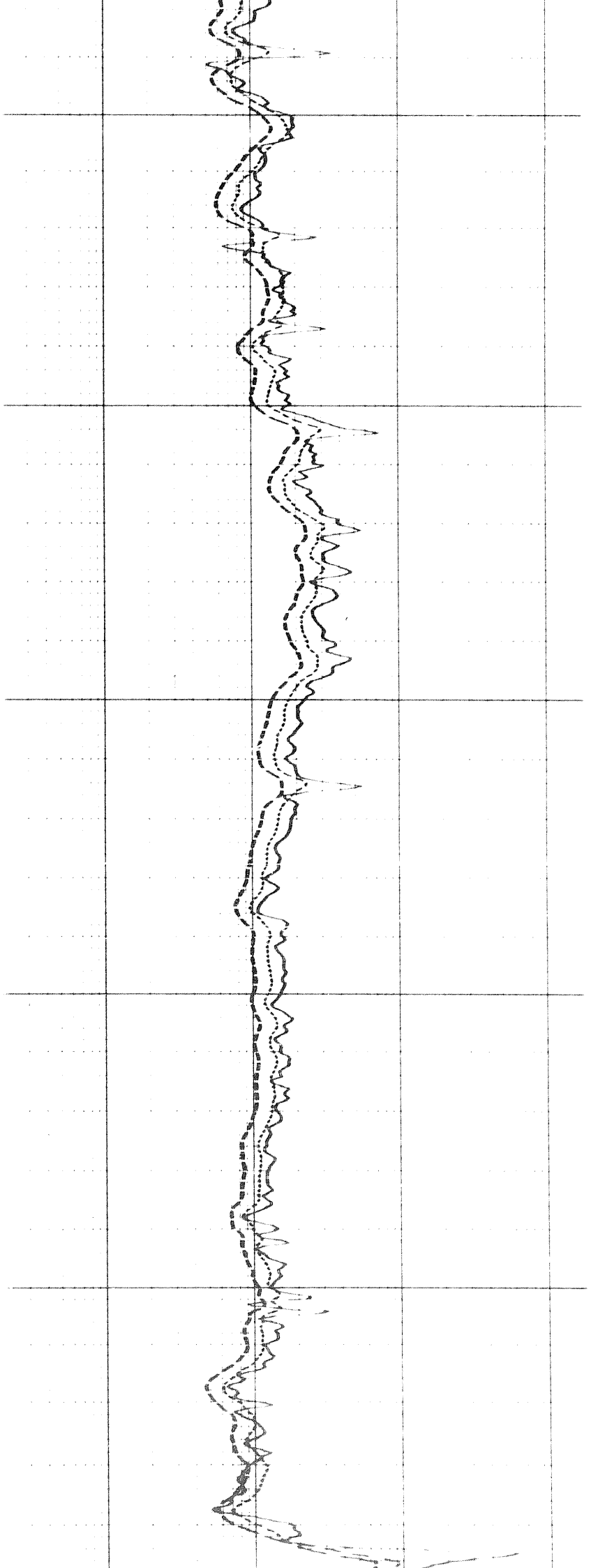
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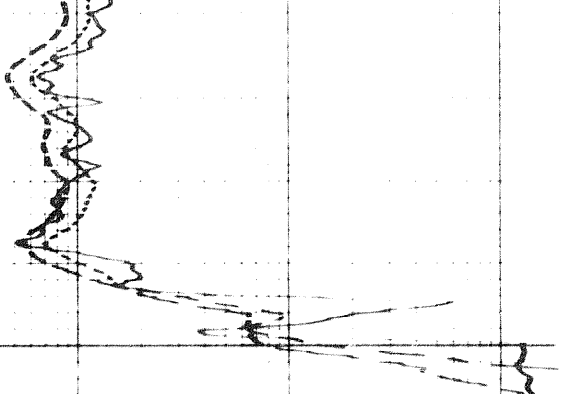




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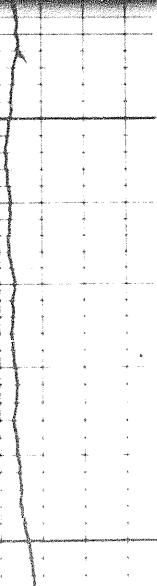
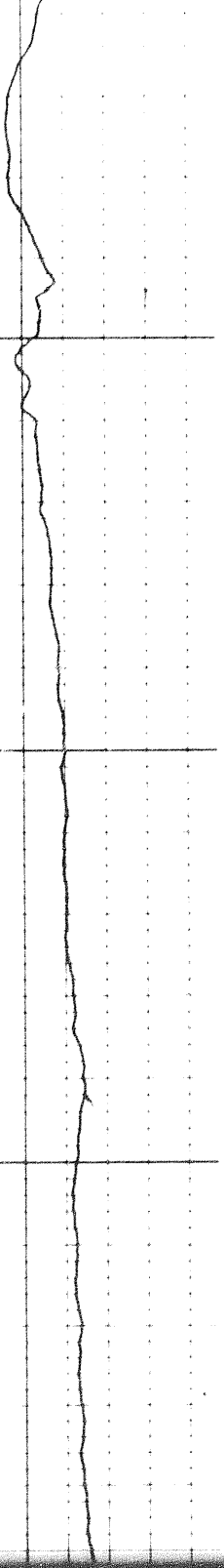




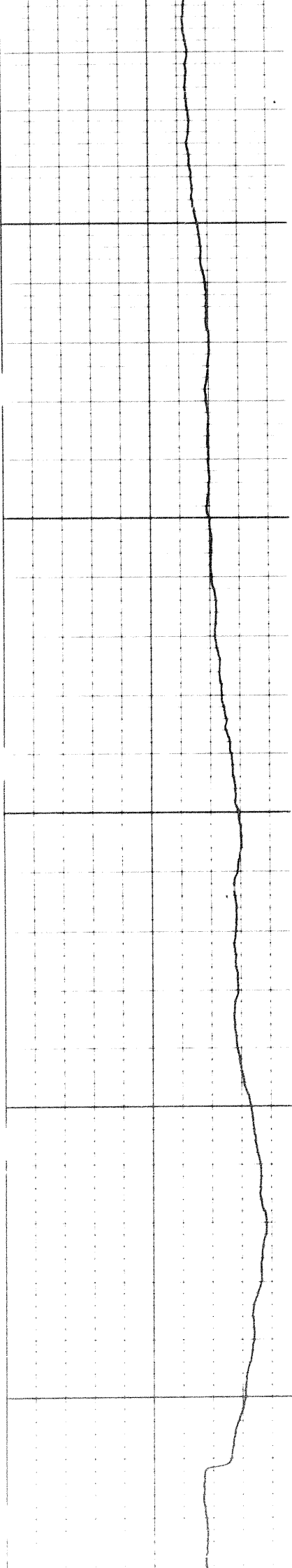
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5100

5100



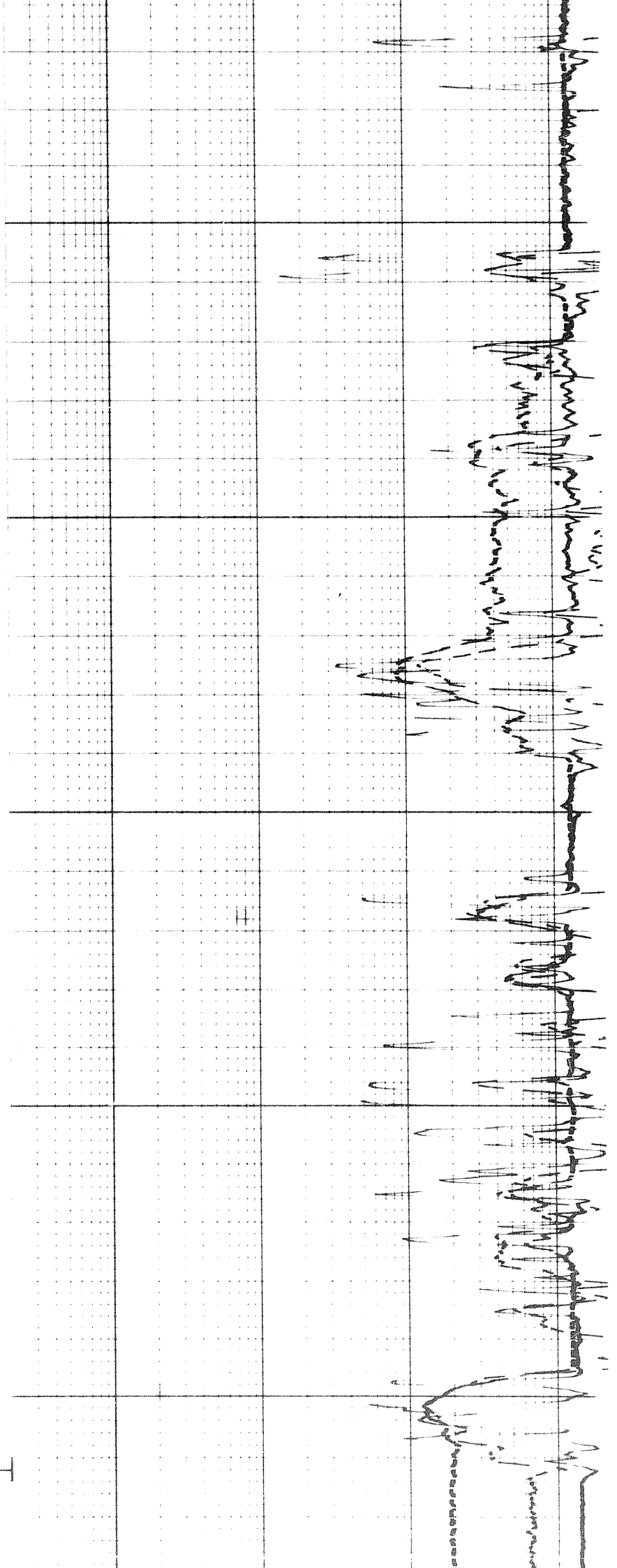
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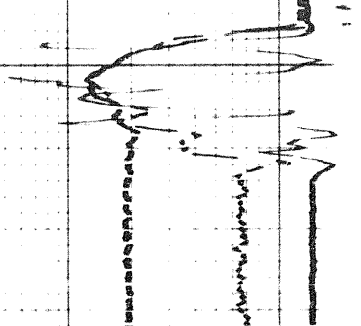


5200

5300

FR





FR

1 10 100 1000

DEEP INDUCTION LOG

1 10 100 1000

MEDIUM INDUCTION LOG

1 10 100 1000

LATEROLOG-8

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

DETAIL LOG 5" = 100' RUN 2

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

LATEROLOG-8

1 10 100 1000

MEDIUM INDUCTION LOG

1 10 100 1000

DEEP INDUCTION LOG

1 10 100 1000

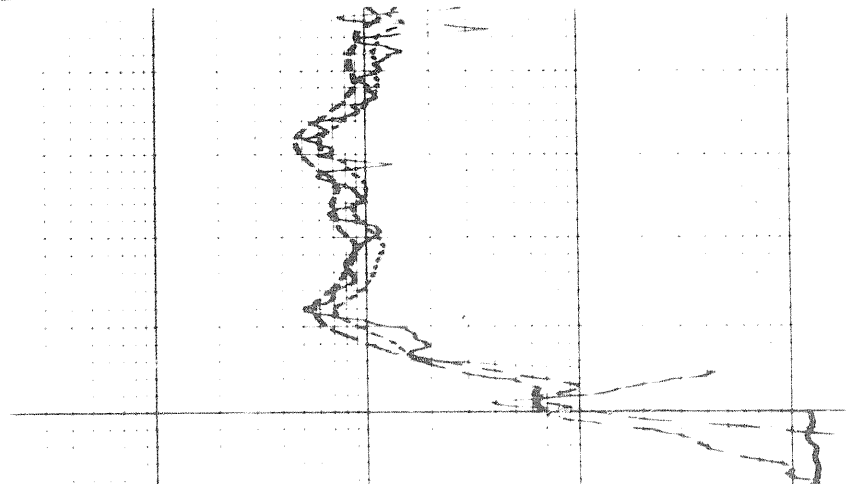
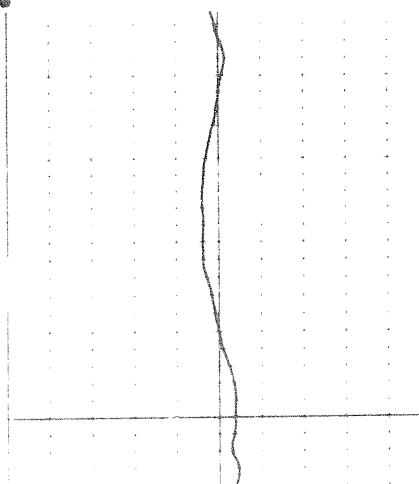
Speed in FPM

10

Speed in FPM

20

5000



MEDIUM INDUCTION LOG

1

10

100

1000

DEEP INDUCTION LOG

1

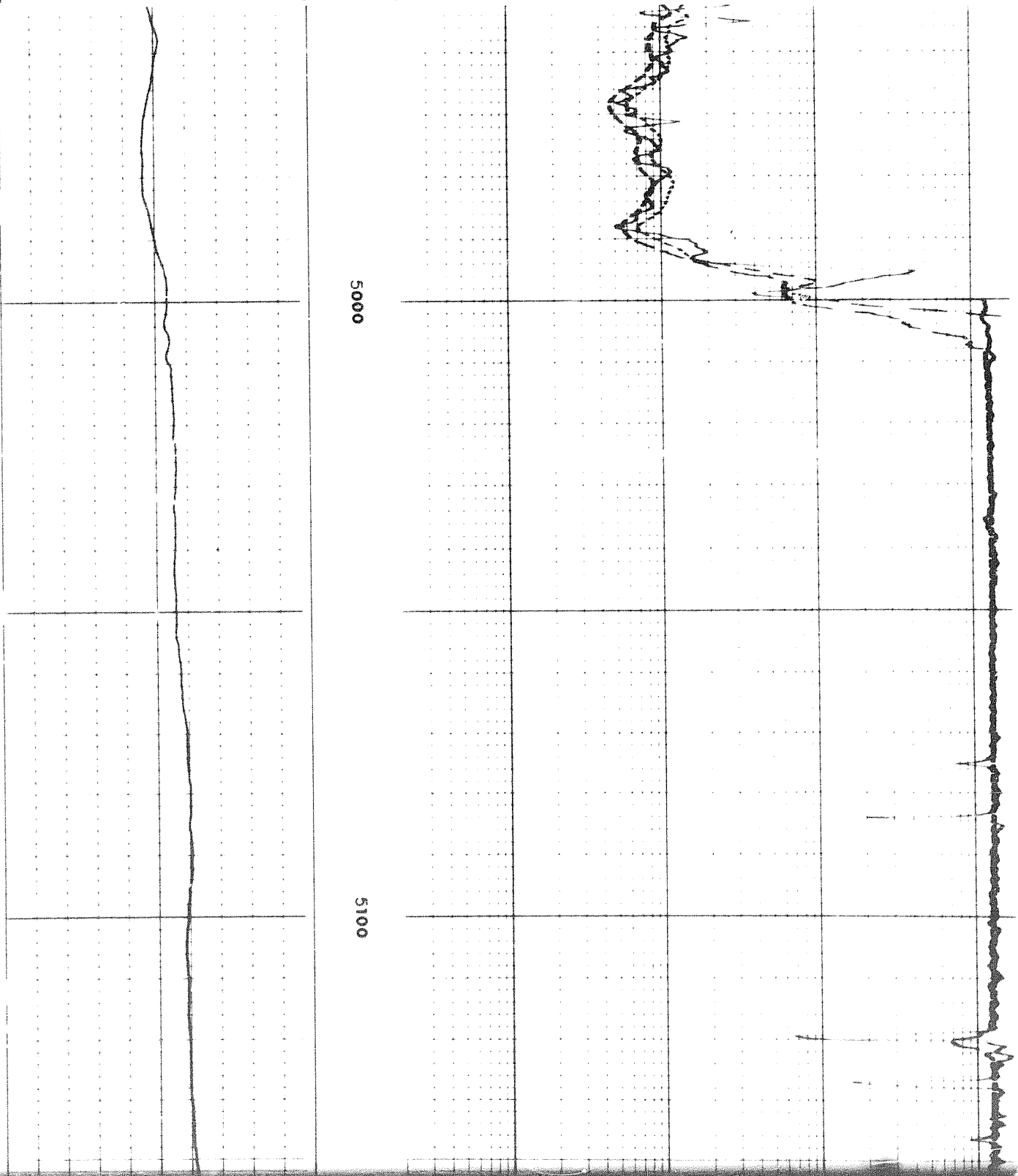
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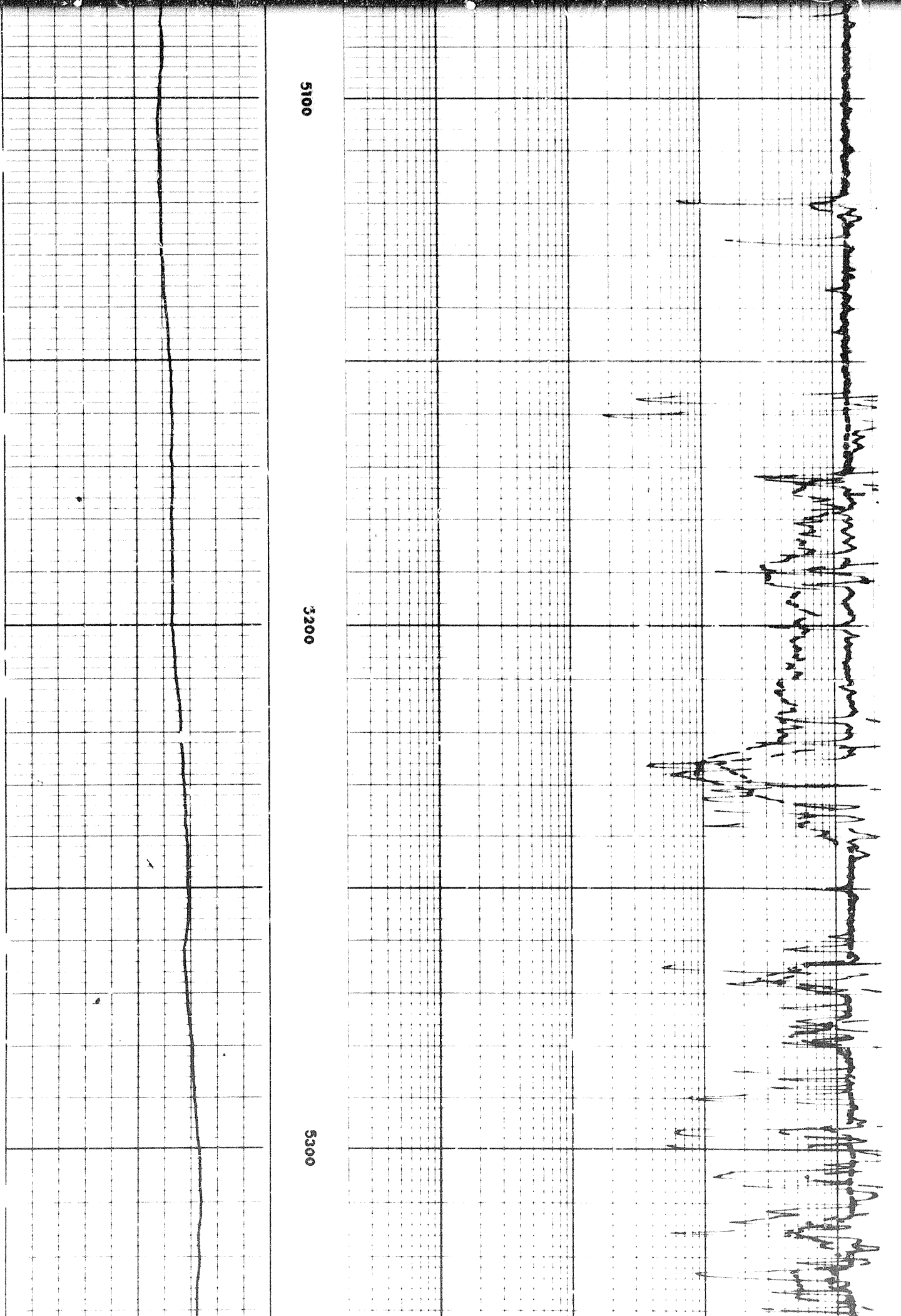
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1000

5000

5100



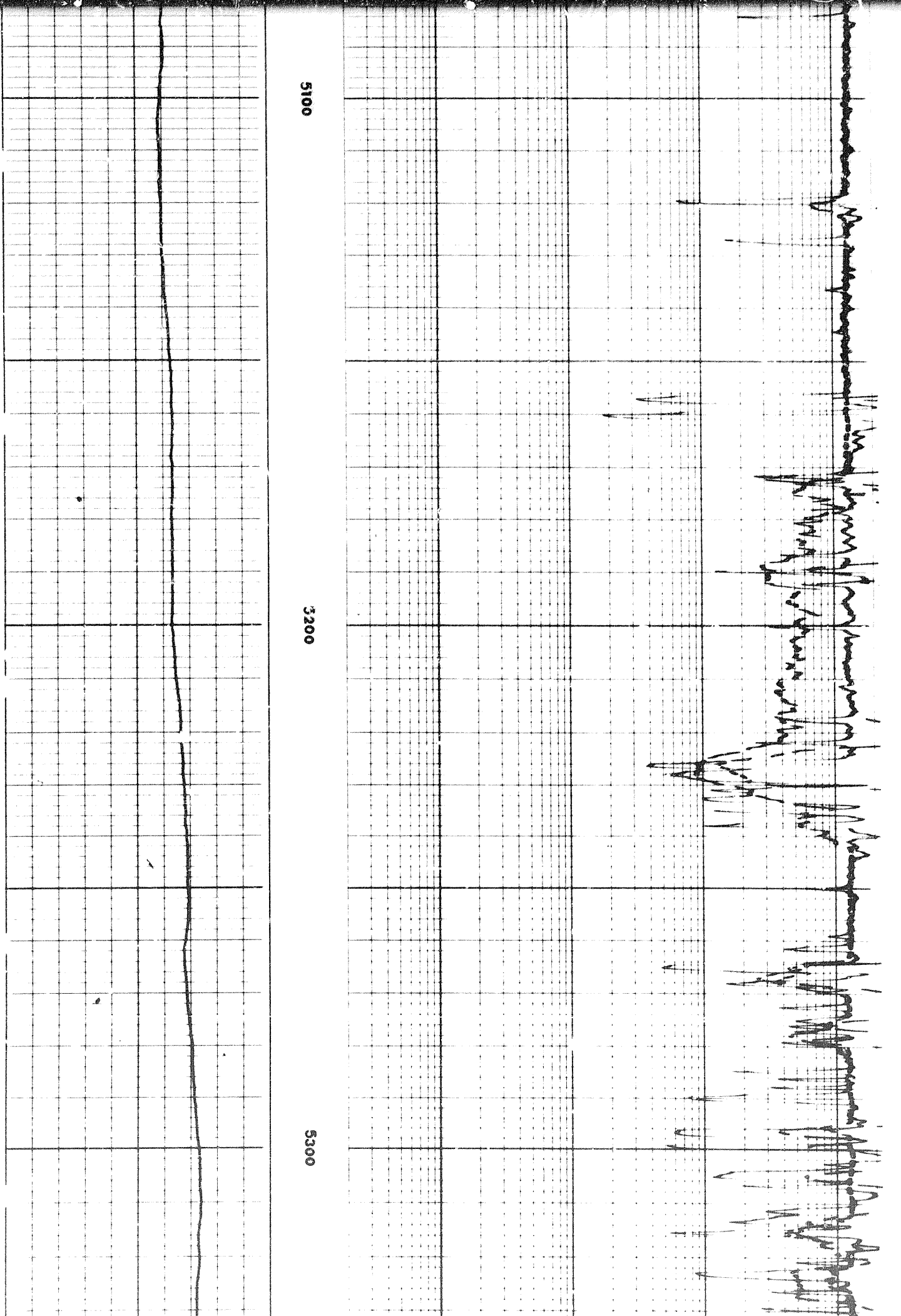


5100

5200

5300

18.8.15-



5100

5200

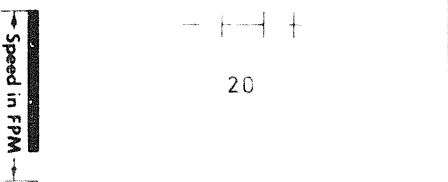
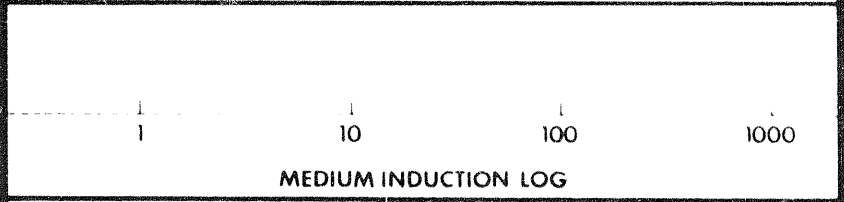
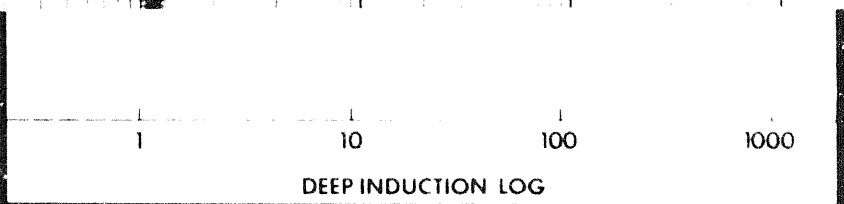
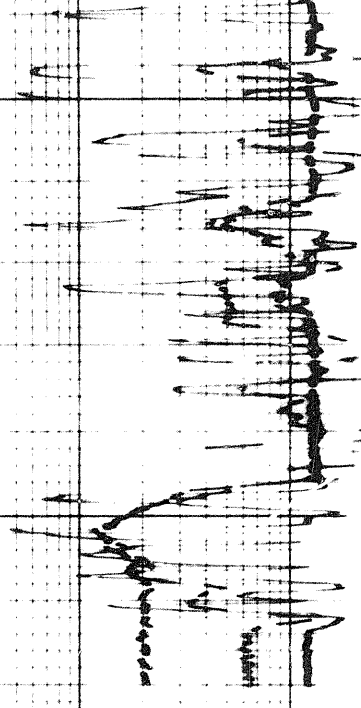
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18.8.15-

1000

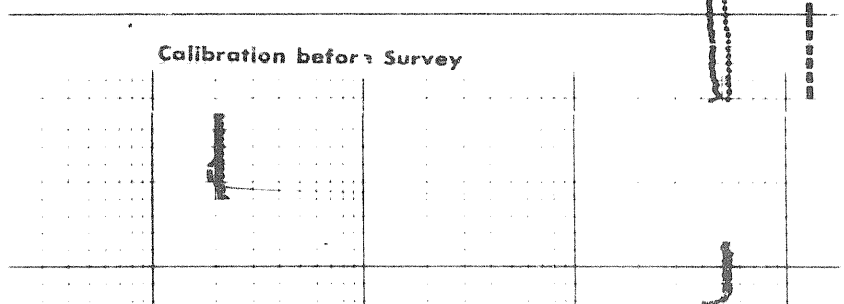
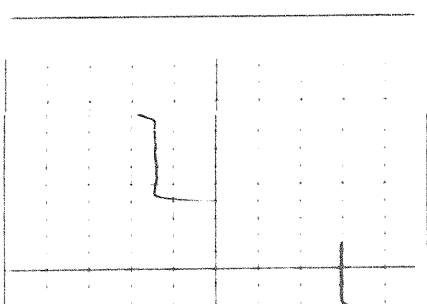
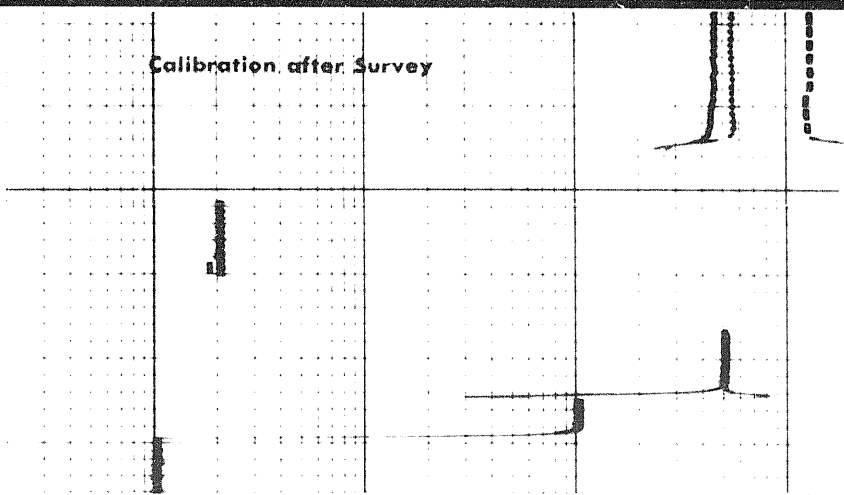
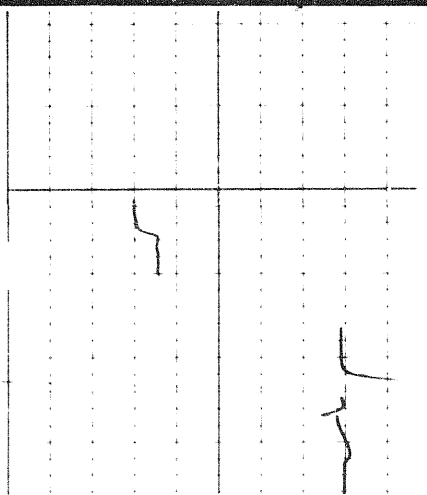
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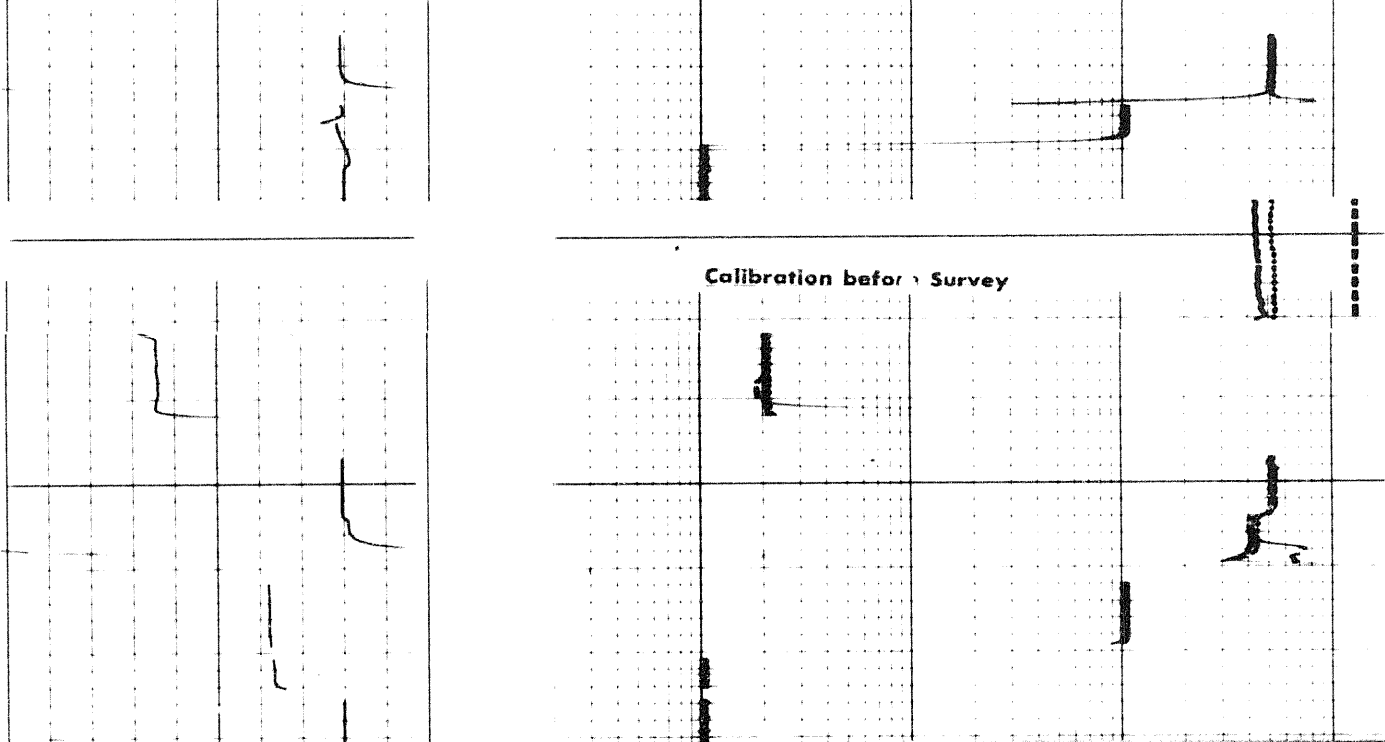
FR



DEPTHS

RESISTIVITY
ohms m/m





COMPANY PAN AMERICAN PETROLEUM CORPORATION

WELL PAN AM SHELL MERRILL 97 1-60

FIELD WILDCAT PROVINCE YUKON TERRITORIES

