

Schlumberger

SCHLUMBERGER OF CANADA Calgary Alberta

**BOREHOLE COMPENSATED SONIC LOG**

PROVINCE: YUKON TERRITORIES  
 FIELD: WILDCAT  
 WELL: SKELLY GETTY MOBIL ARCTIC RED YT C-60  
 COMPANY: SKELLY OIL OF CANADA LTD.

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 WELL: SKELLY GETTY MOBIL ARCTIC RED YT  
 FIELD: WILDCAT  
 PROVINCE: YUKON TERRITORIES  
 LOCATION: 66 49' 00" N LAT  
 133 55' 19" W LONG  
 Permanent Datum: GL Elev: 285  
 Log Measured From: KB 17 Ft Above Perm Datum  
 ELEV: KB 302  
 GL 285  
 CBF

Date	26 JAN 72	13 MAR 72
Run No	ONE	TWO
First Reading	1196	8500
Lost Reading	217	1200
Feet Measured	979	8528
Depth Reached	1198	8531
Bottom Driller	1202	1202
Csg SOC	217	1202
Csg Driller	217	1202
Mud Nature	WATER	FRESH-GEL
Dens Visc	52	5.1
Mud pH		9.7
Writer Loss		8.4
Res @ BHT	3.73 @ 52	5.10 @ 65
Rml @	2.00 @ 97	3.90 @ 70
Rmc @		1.80 @ 182
Bit Size	12 1/4"	6.10 @ 68
Spoon	2	8 3/4"
Oper. Rig Time	6 HRS	
Tuck No	OSU-C 343 REM	OSU-C 343 REM
Recorded By	MCCOMB	WILSON
Witness	SUTHERBY	SUTHERBY & HARALDSON

REMARKS: 12 APR 72 CAL PK  
 Drilling Stopped 2000 / 26th Circulation Stopped 0800 / 27th Tool on Bottom 1030 / 27th 1st Run Service Order # 3621  
 B.H.T. 97 °F

AT CHECKED IN CASING AFTER SURVEY

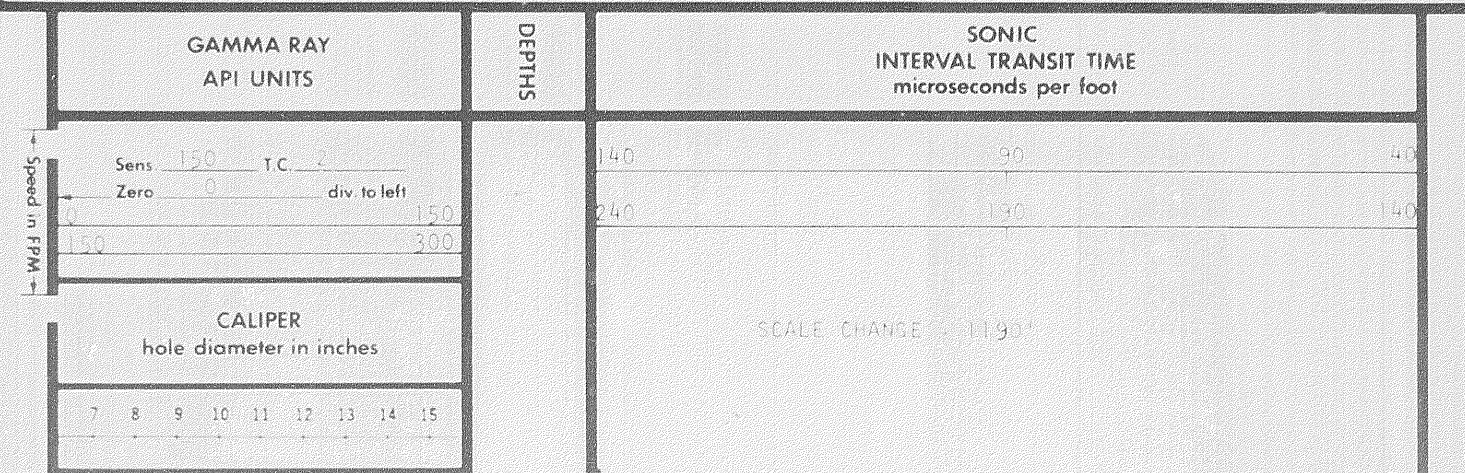
Caliper No.	D 865
Cartridge No.	A 79
Panel No.	GA 106
Sonde No.	D 230
Centralizer Type	STANDOFF 6 CALIPER

RUN TWO RECORDED SHALLOW

8500' - 20'	4000' - 12'
8000' - 19'	3000' - 9'
7000' - 17'	2000' - 8'
6000' - 15'	1200' - 6'
5000' - 14'	

GAMMA RAY CALIBRATION

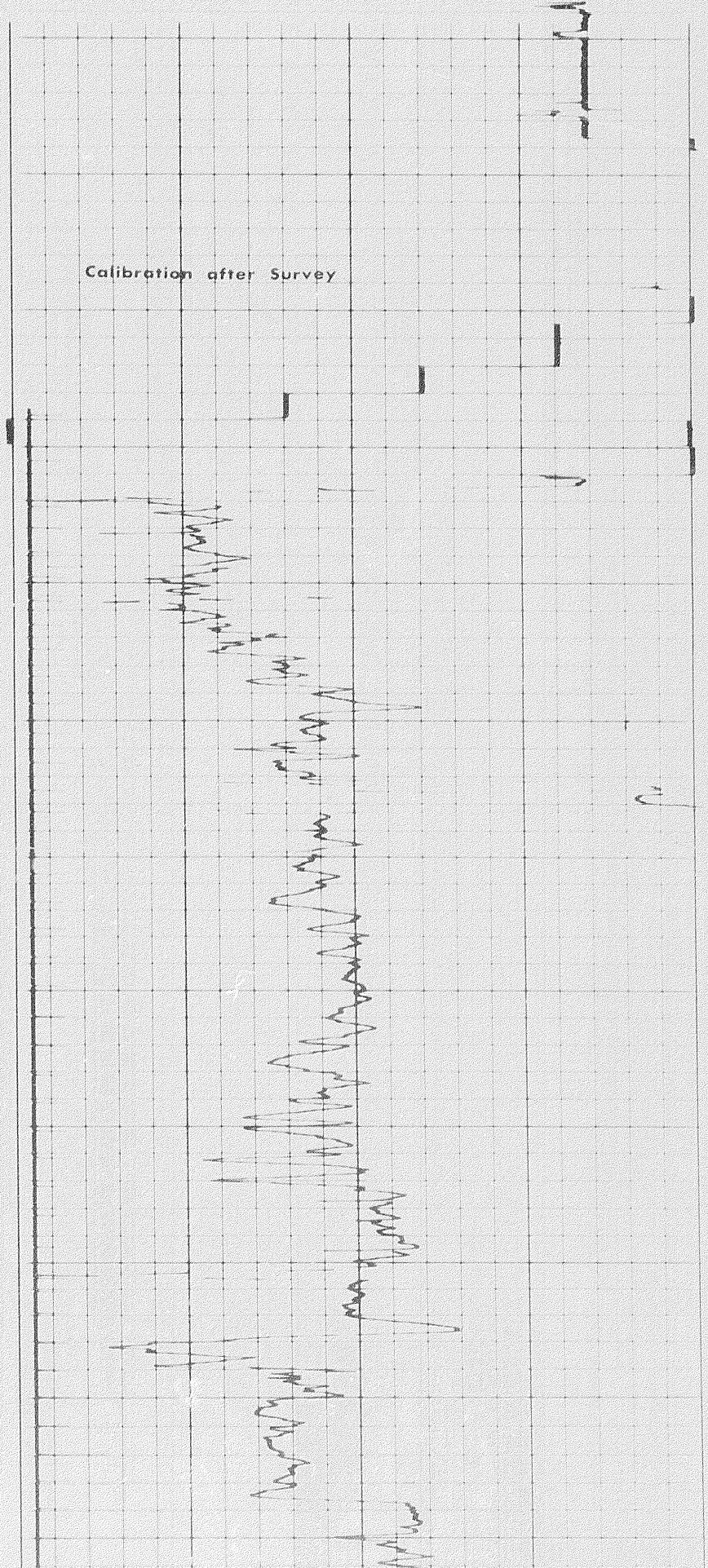
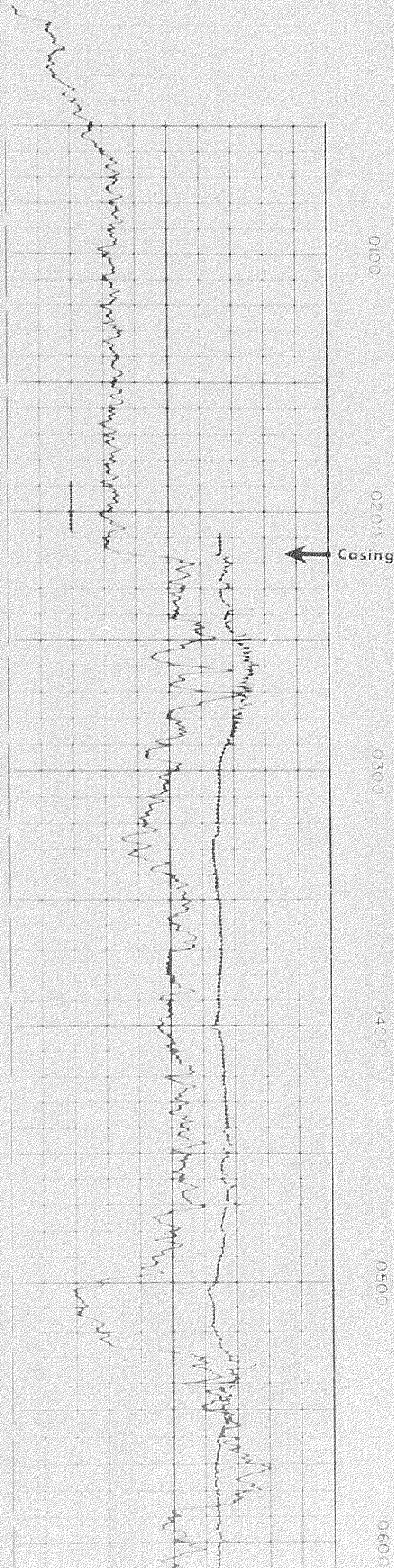
Background CPS.	Test Source CPS.	Galv. Increase Divisions	Panel Sens. Tap for Cal.
10	390	10.0	CAL

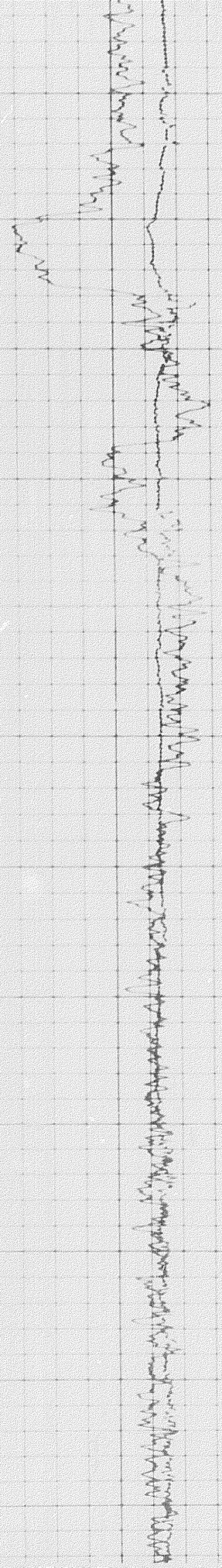


CALIPER  
hole diameter in inches

7 8 9 10 11 12 13 14 15

SCALE CHANGE 4 1190'





0050

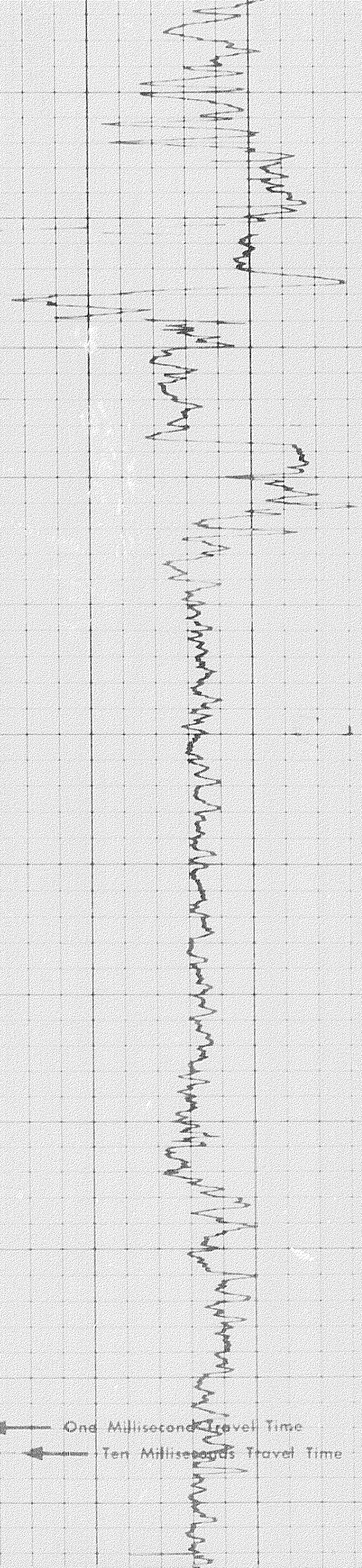
0600

0700

0800

0900

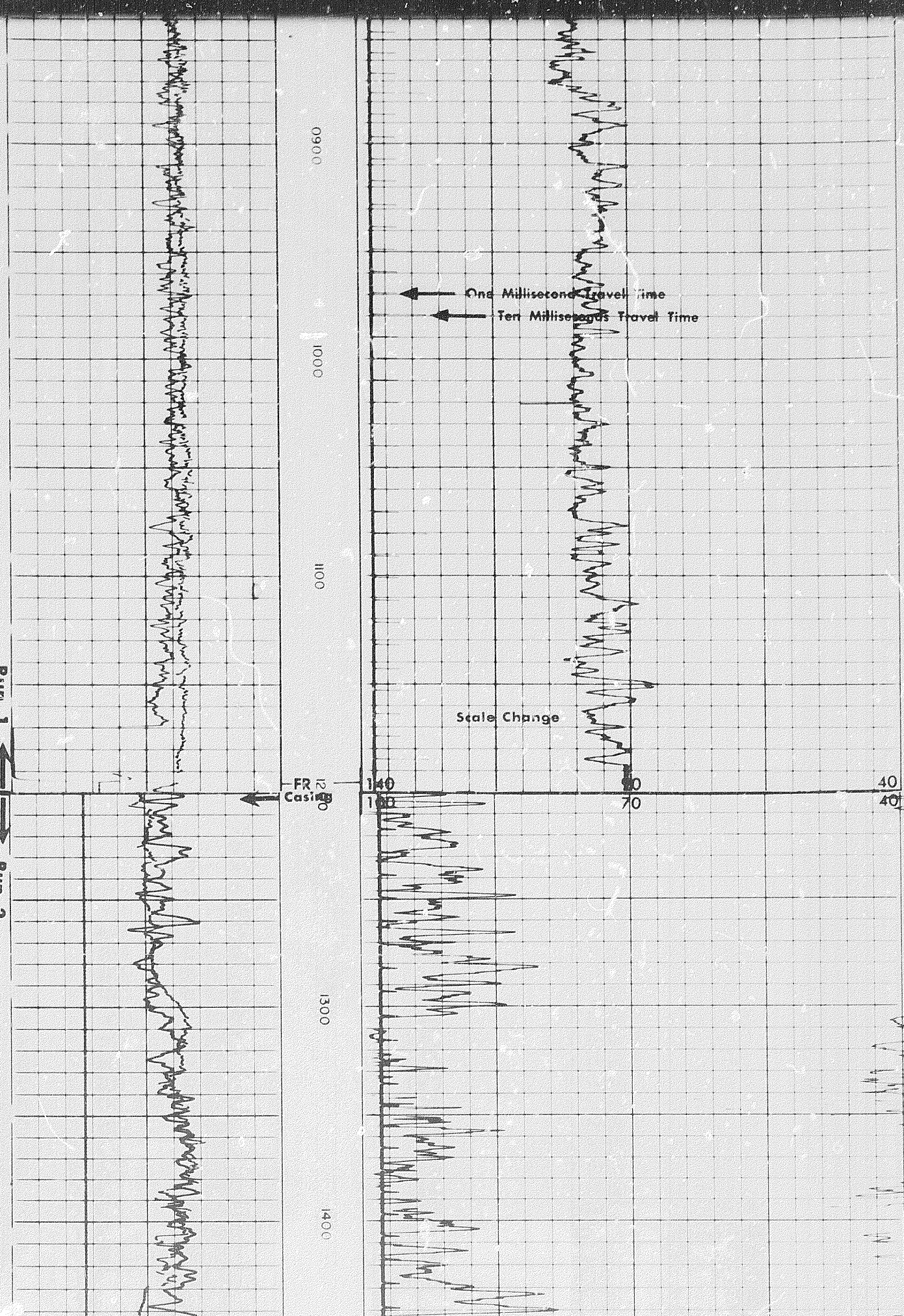
1000



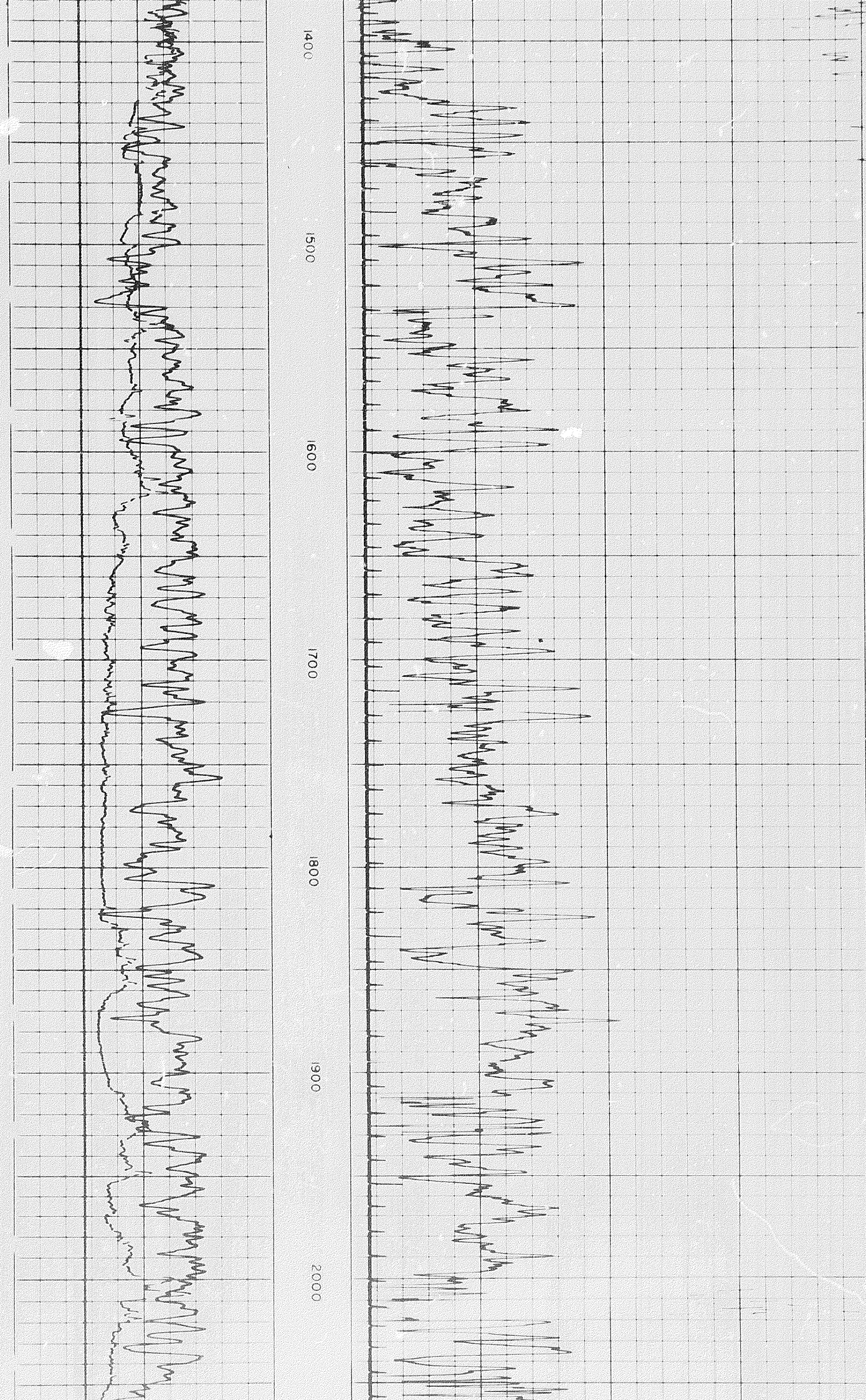
← One Millisecond Travel Time  
← Ten Milliseconds Travel Time

2 of

Run 1 →  
← Run 2



of



1400

1500

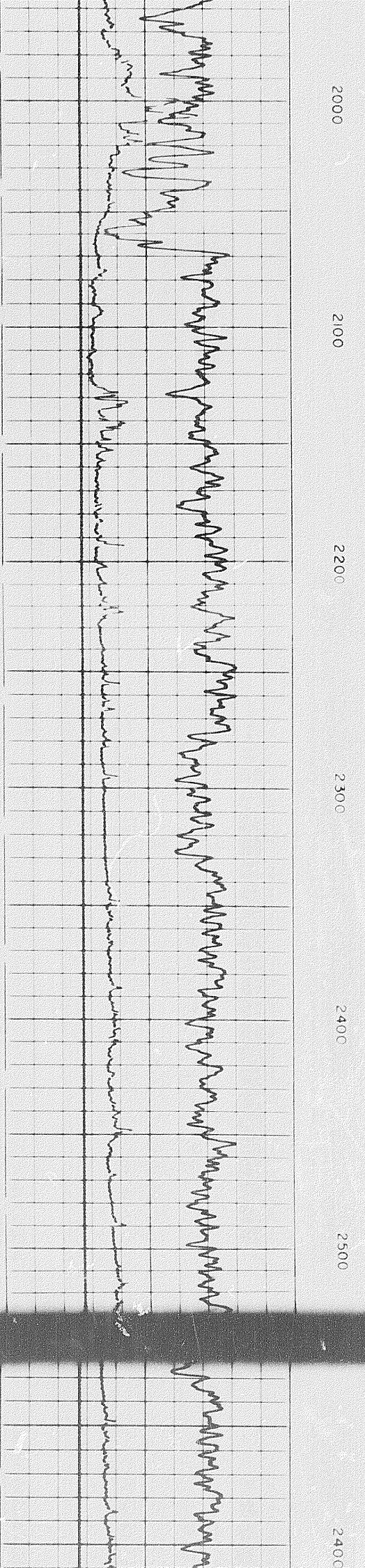
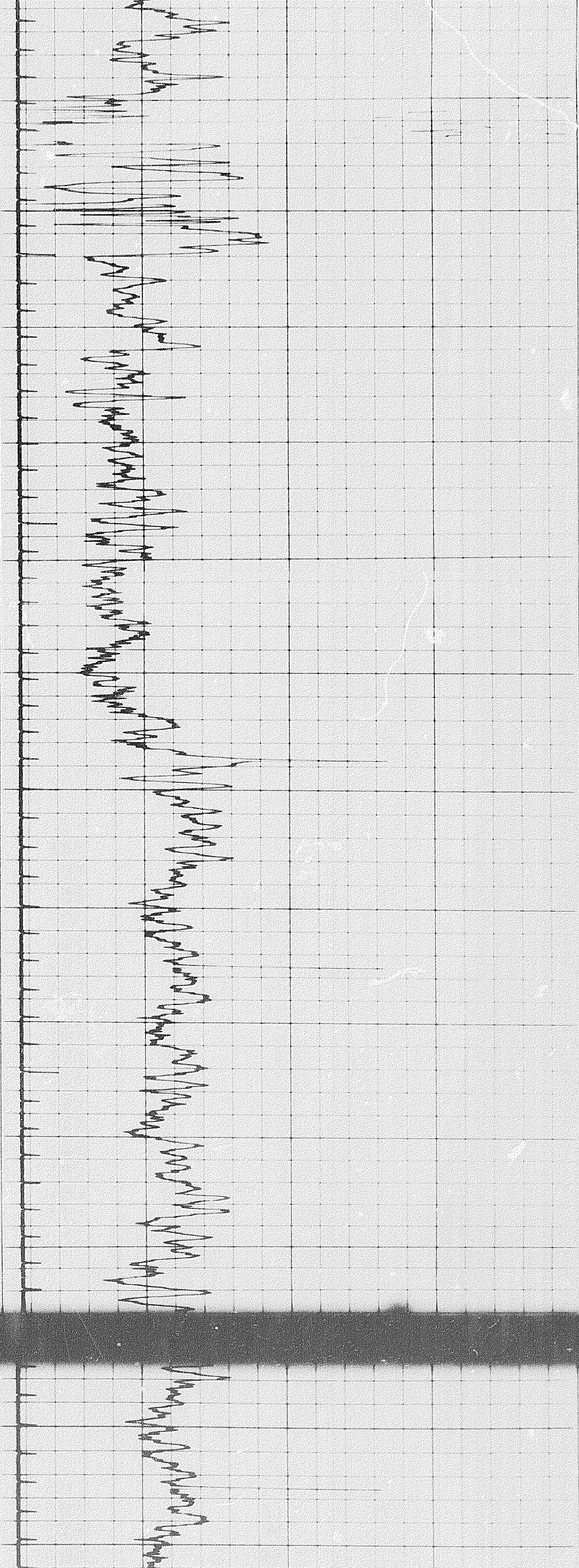
1600

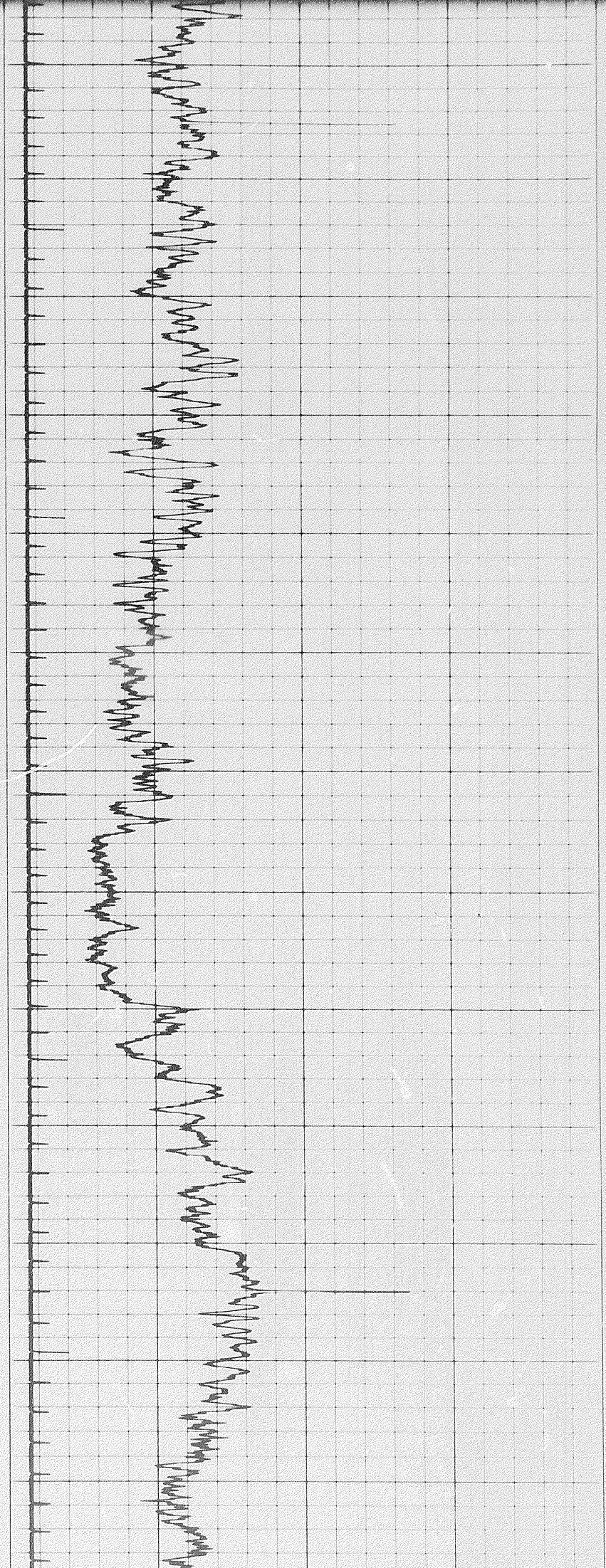
1700

1800

1900

2000





2400

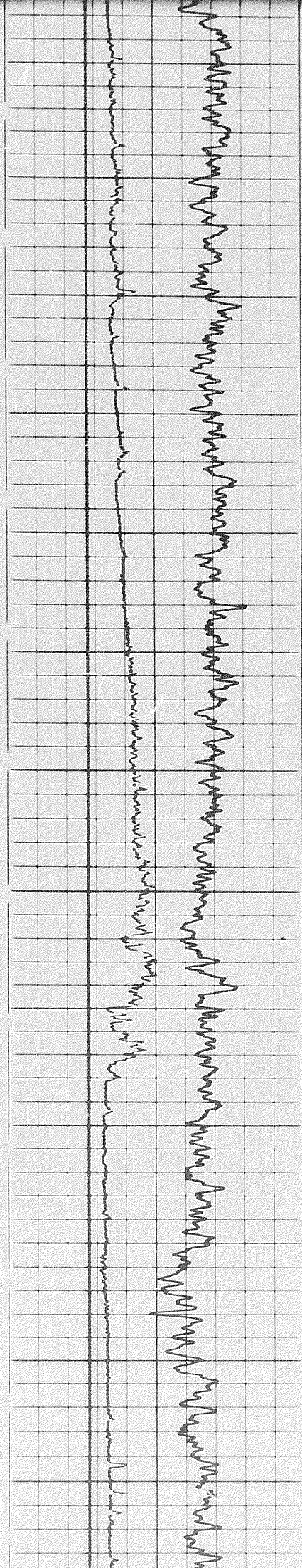
2500

2600

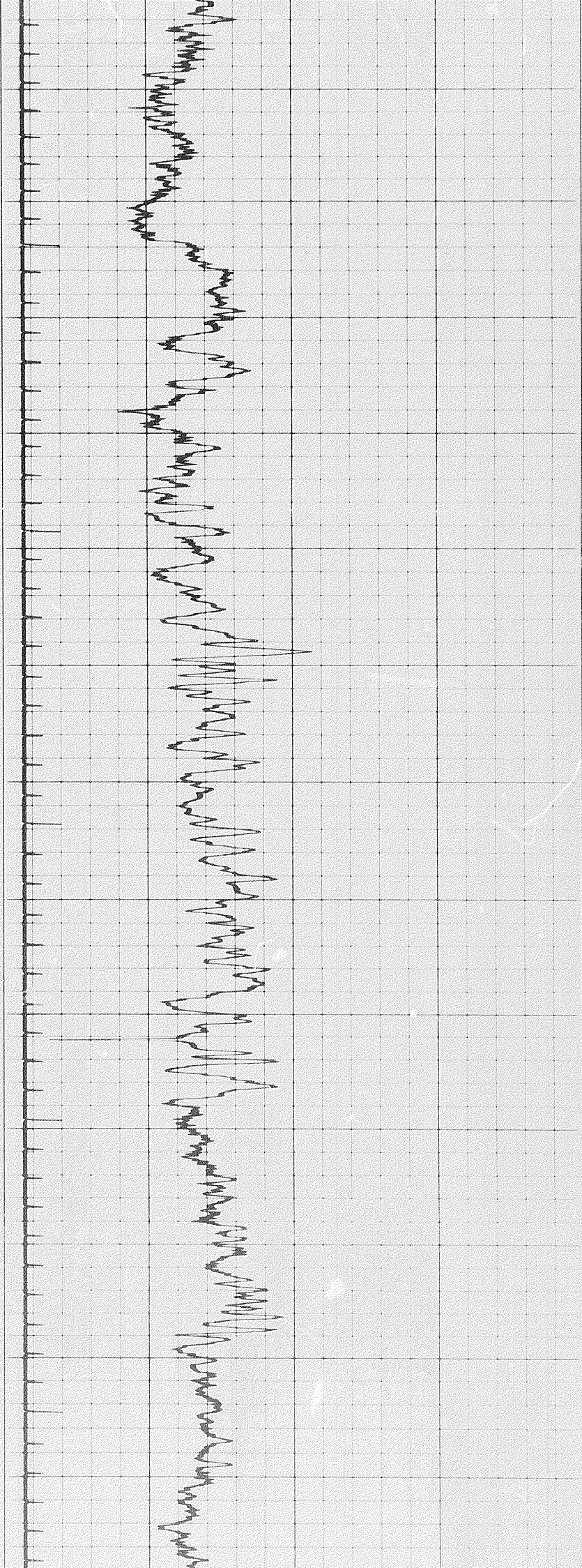
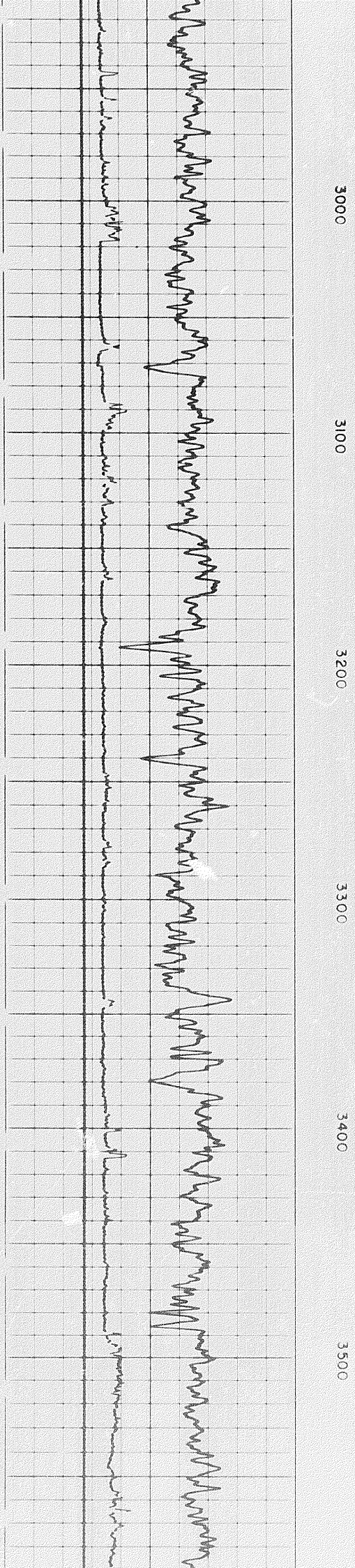
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2800

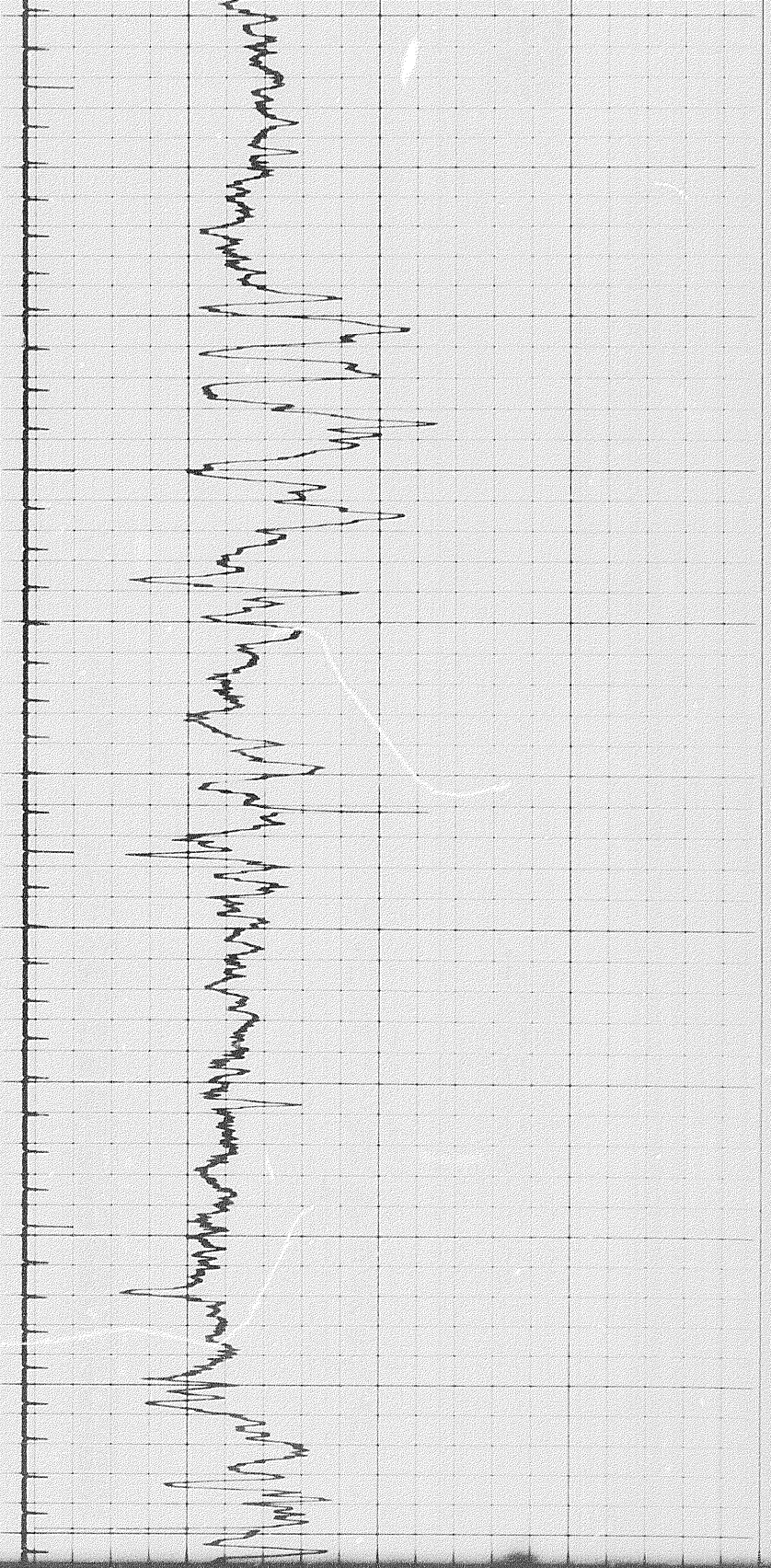
2900



22







500

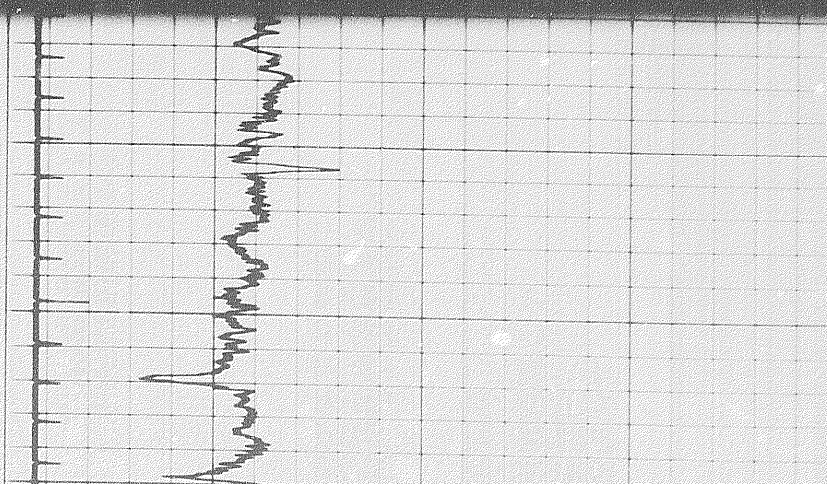
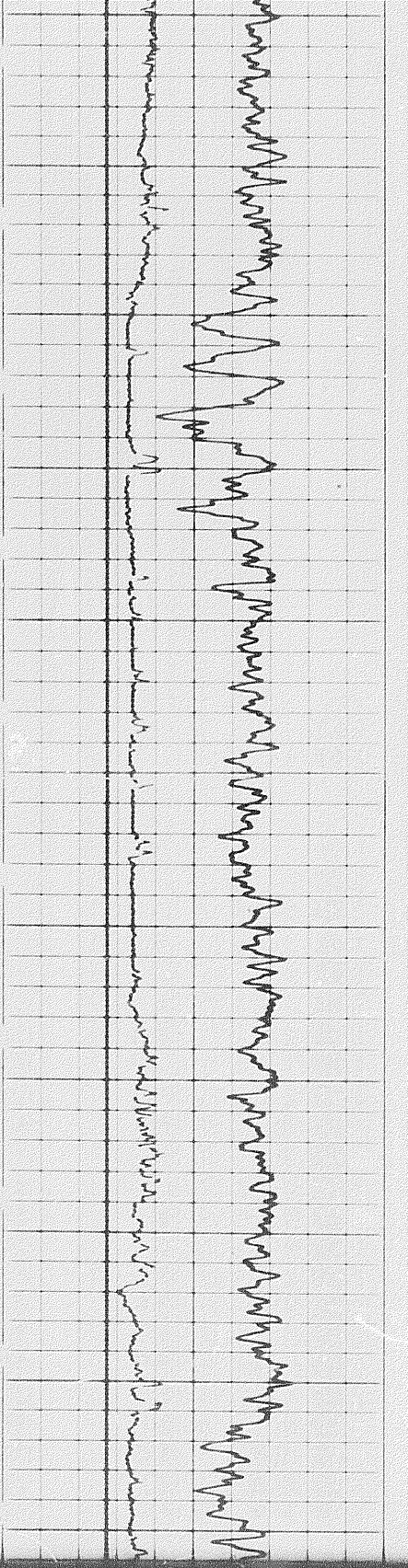
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3700

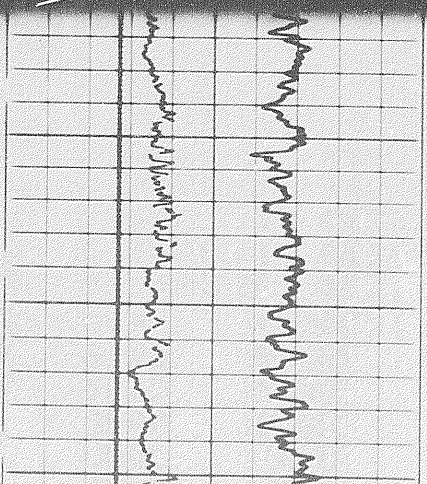
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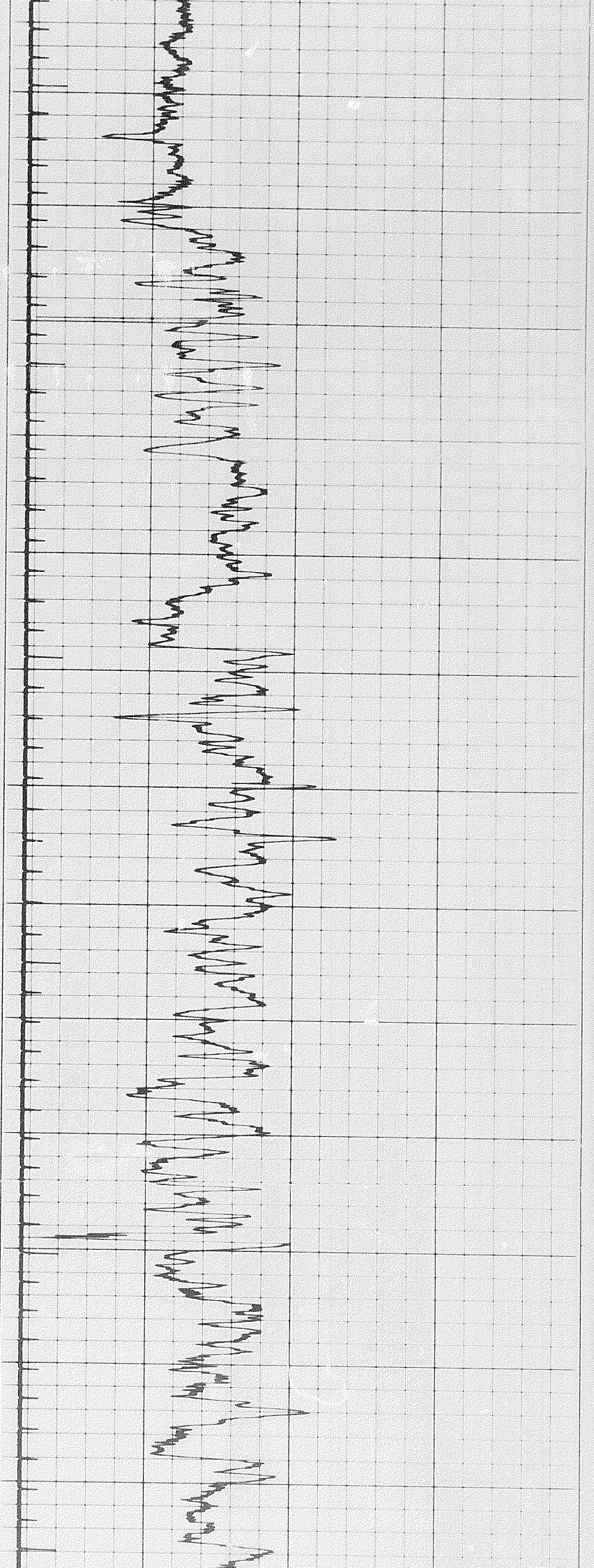
3900

4000



3900





3900

4000

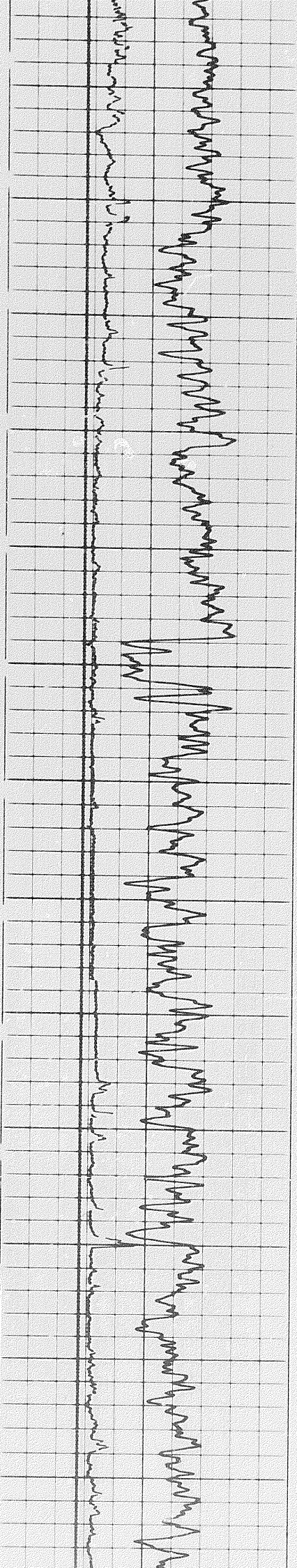
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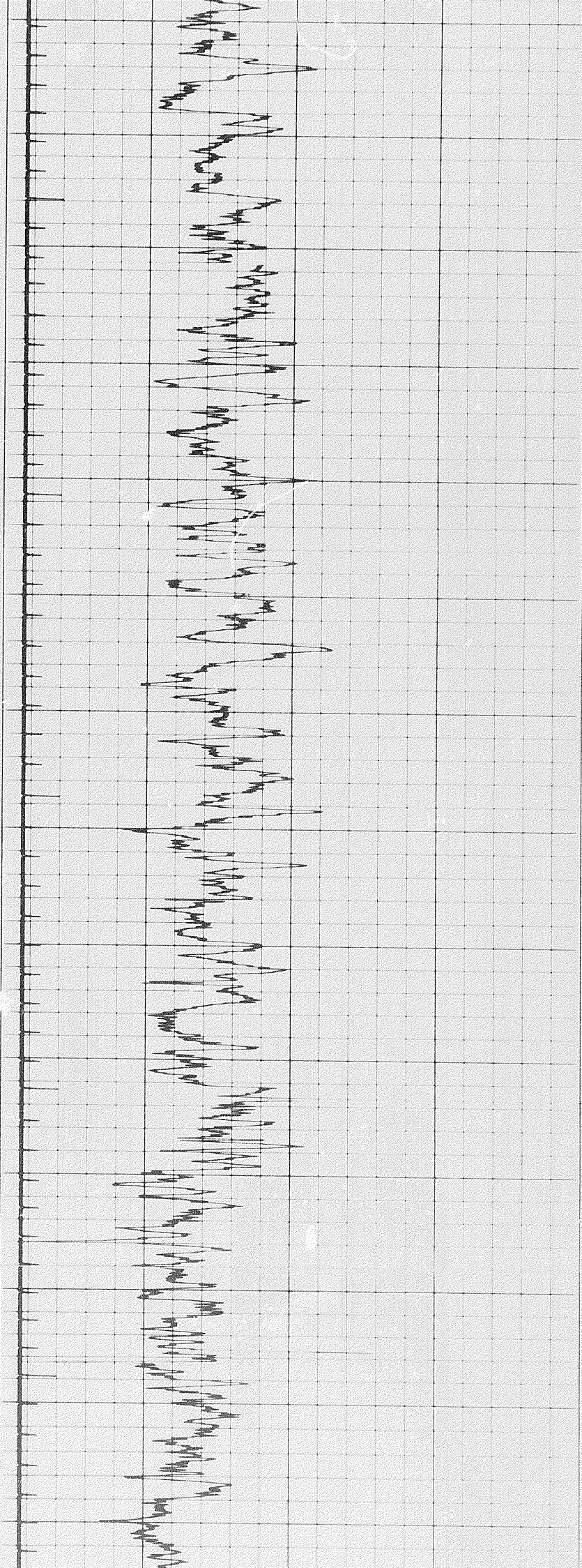
4200

4300

4400

4500





4500

4600

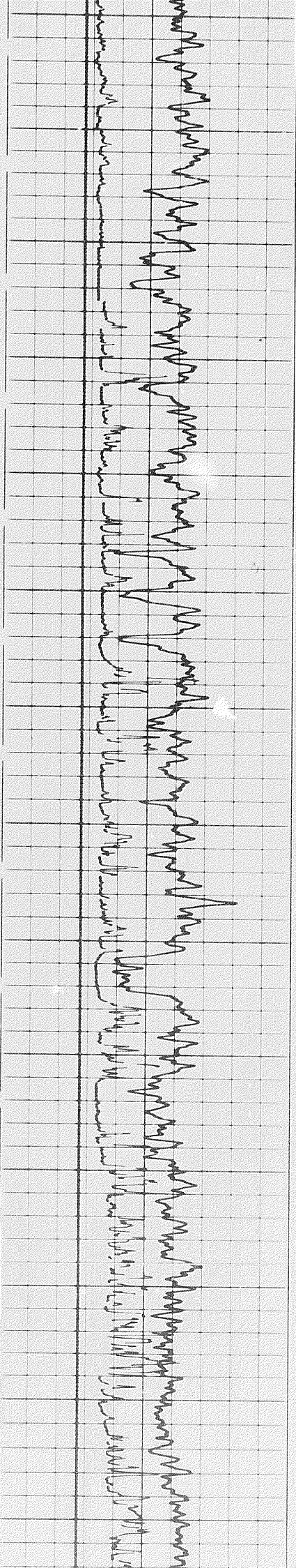
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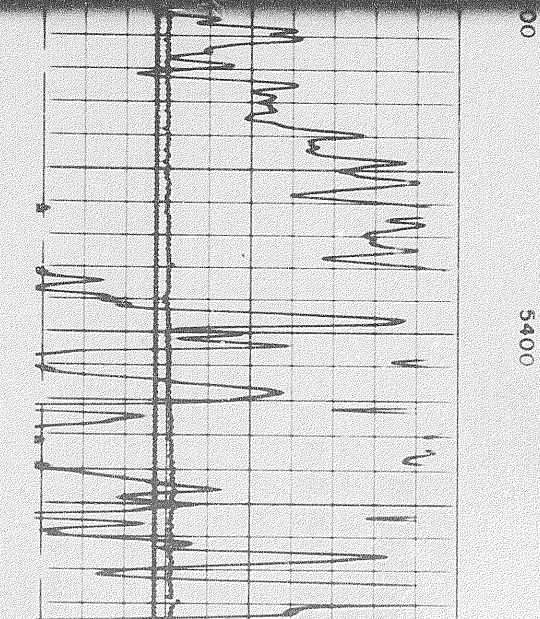
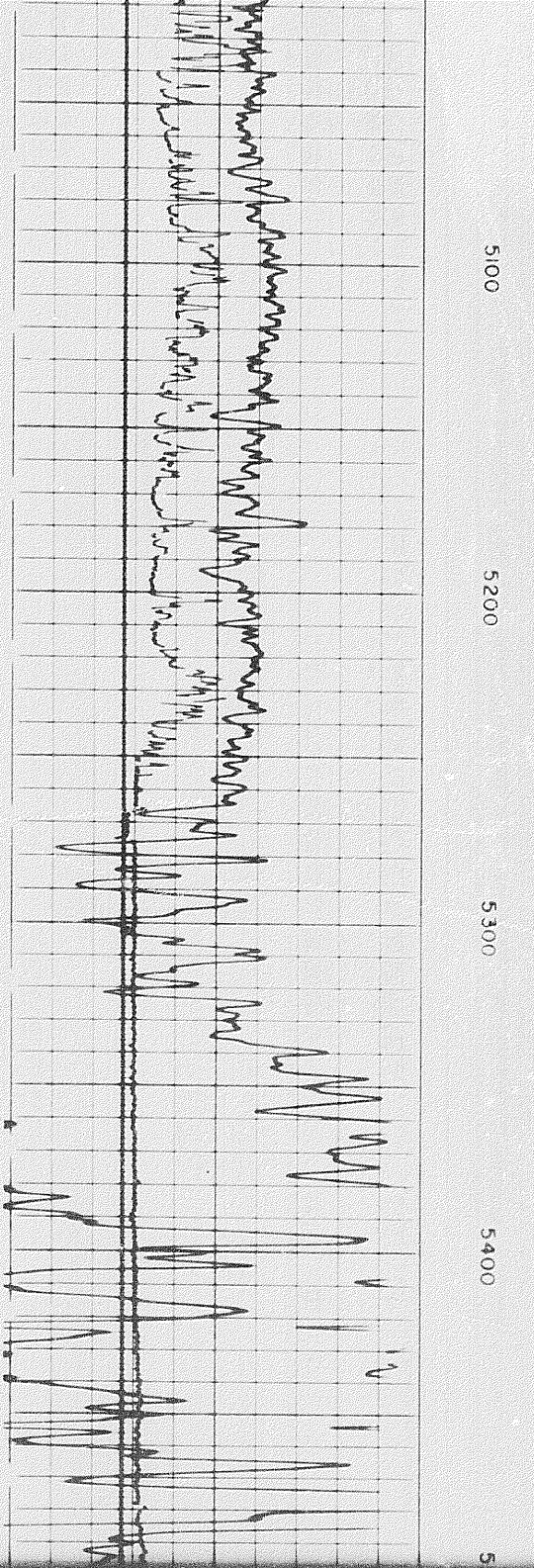
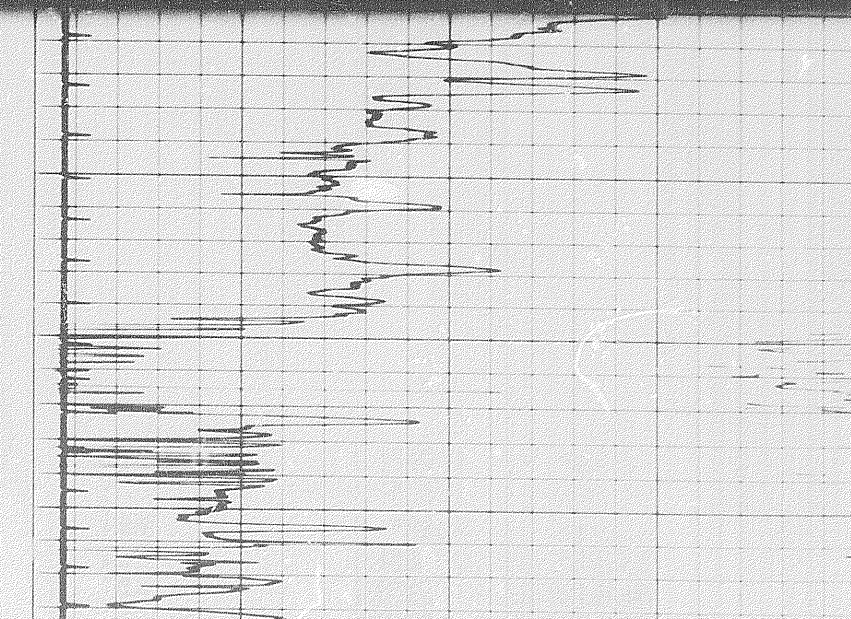
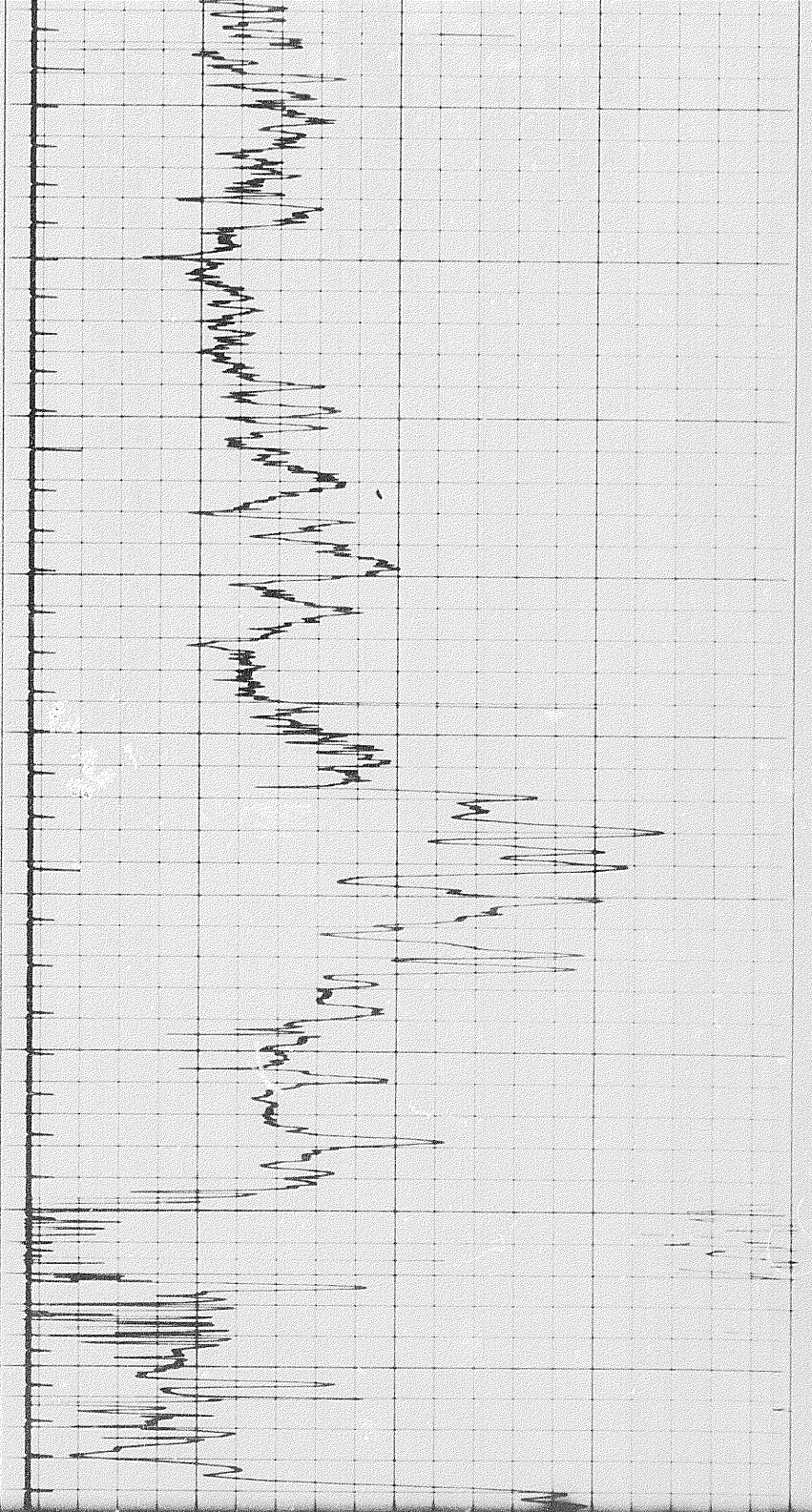
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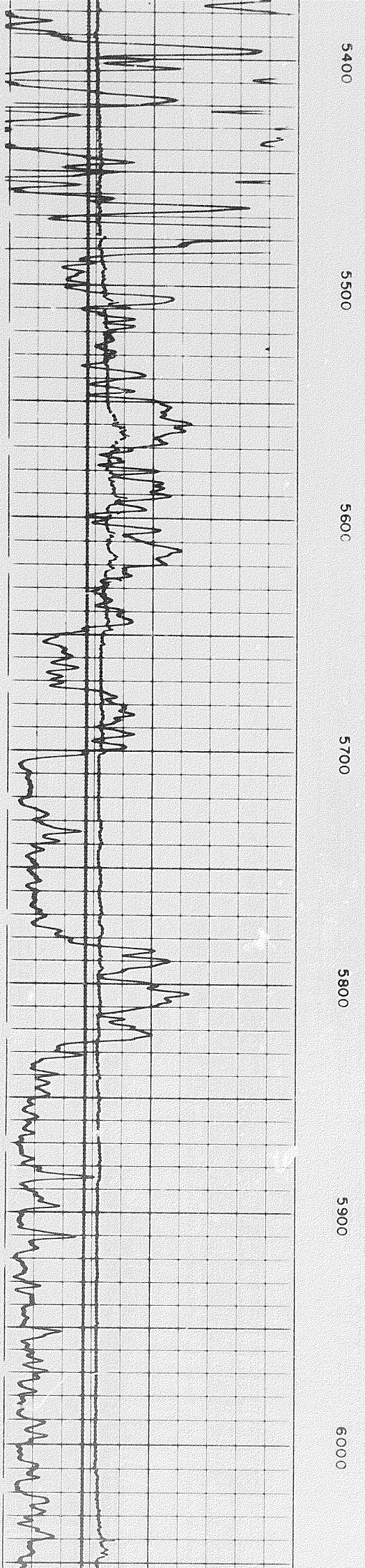
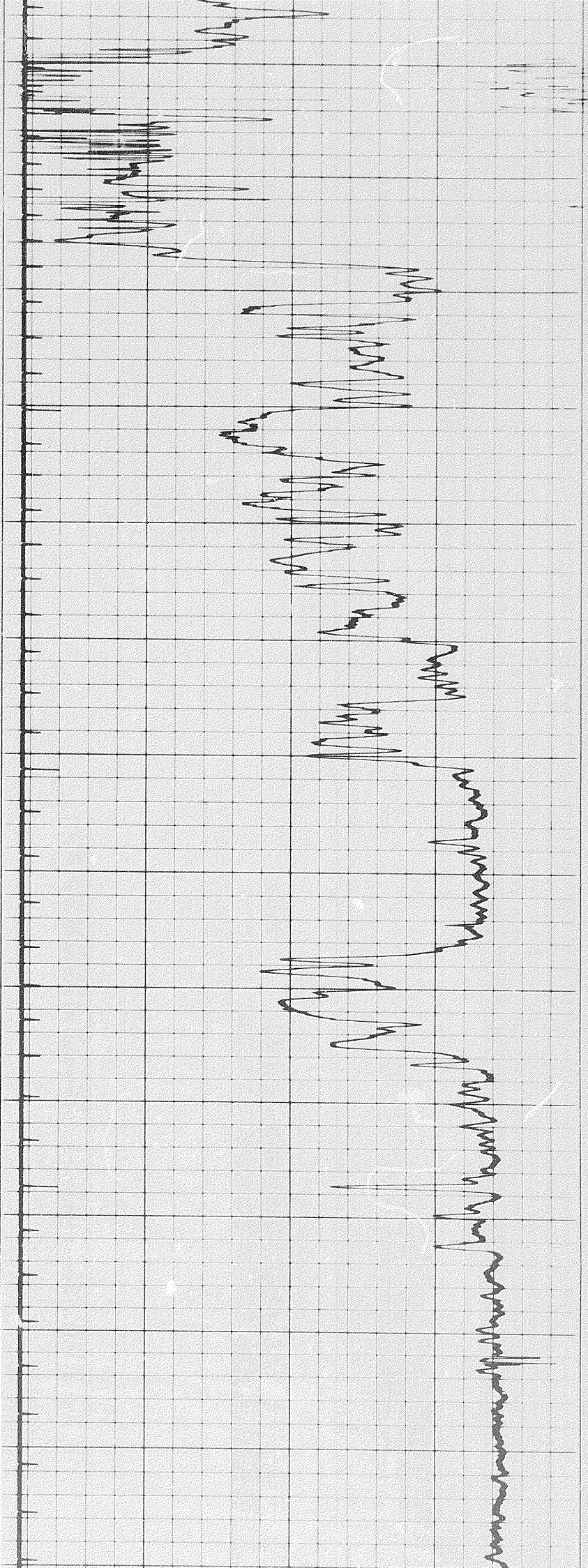
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5000

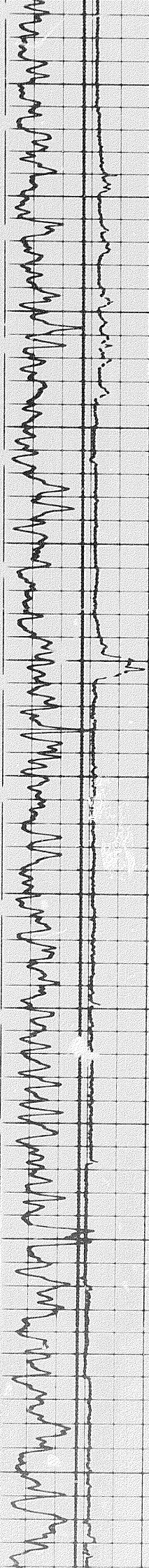
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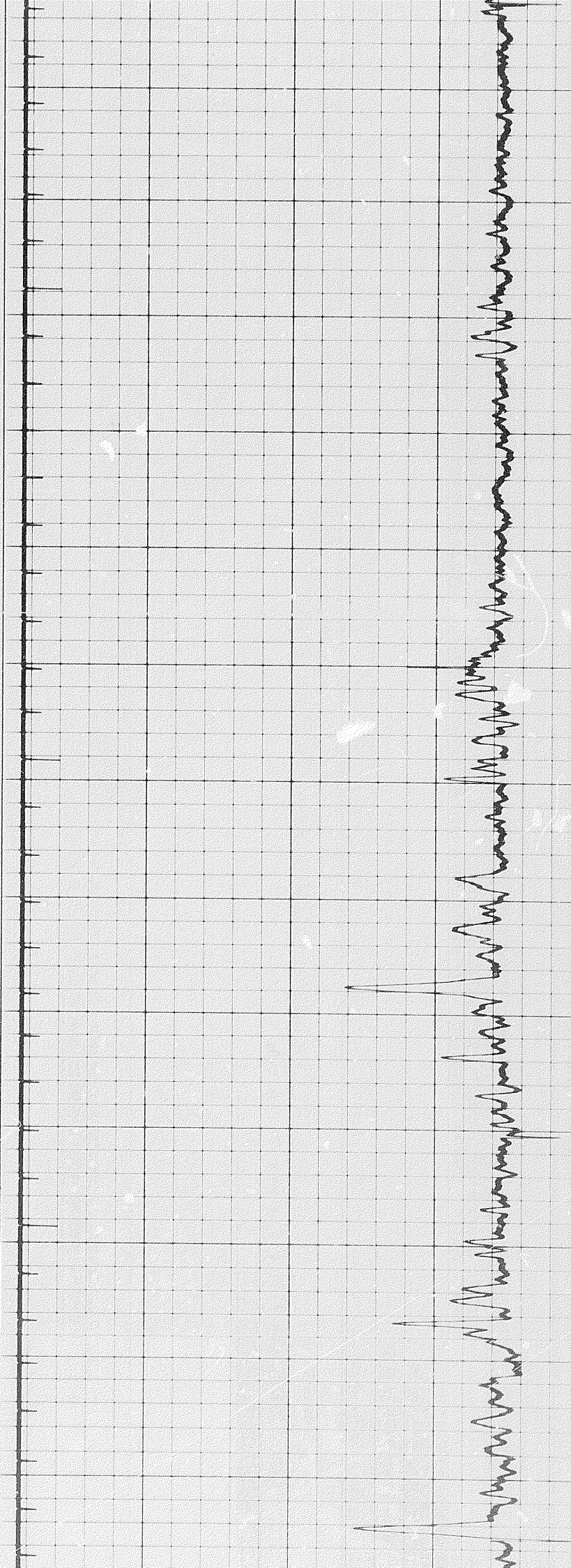


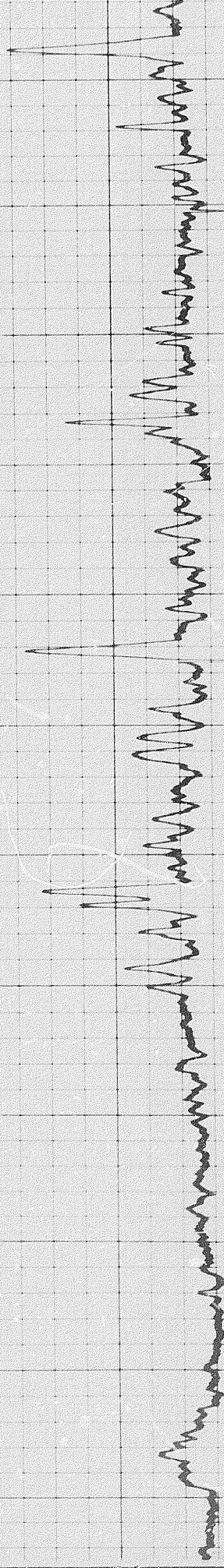


5  
24

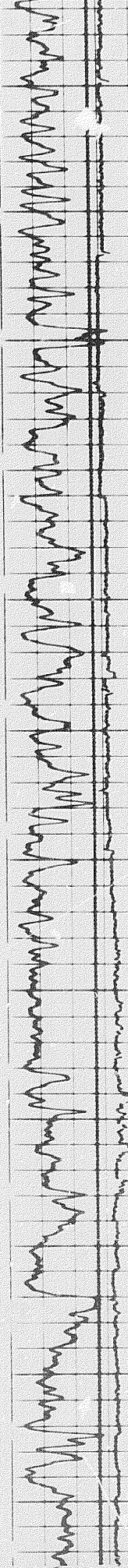


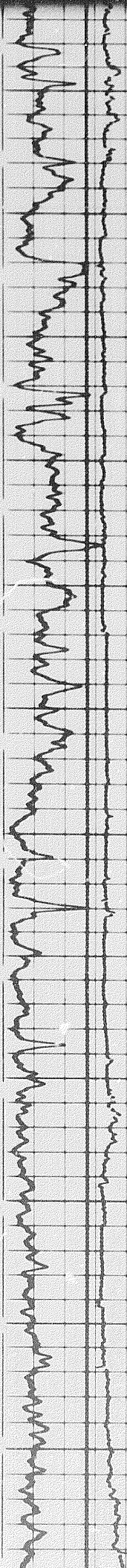
6000  
6100  
6200  
6300  
6400  
6500  
6600





6400 6500 6600 6700 6800 6900





6800

6900

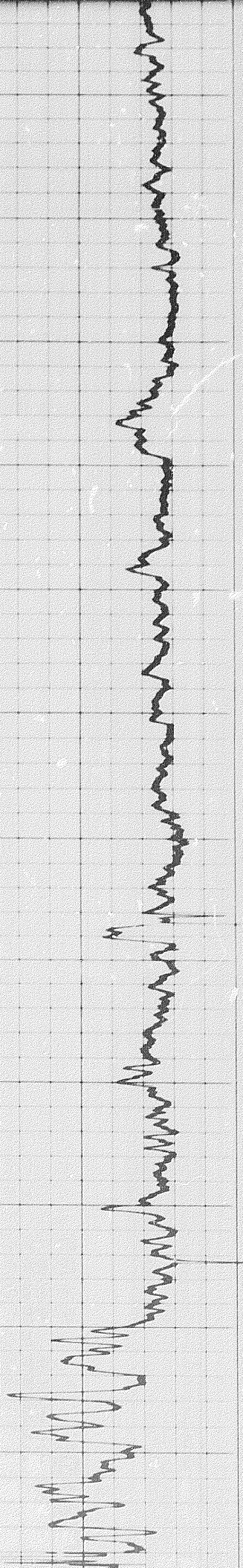
7000

7100

7200

7300

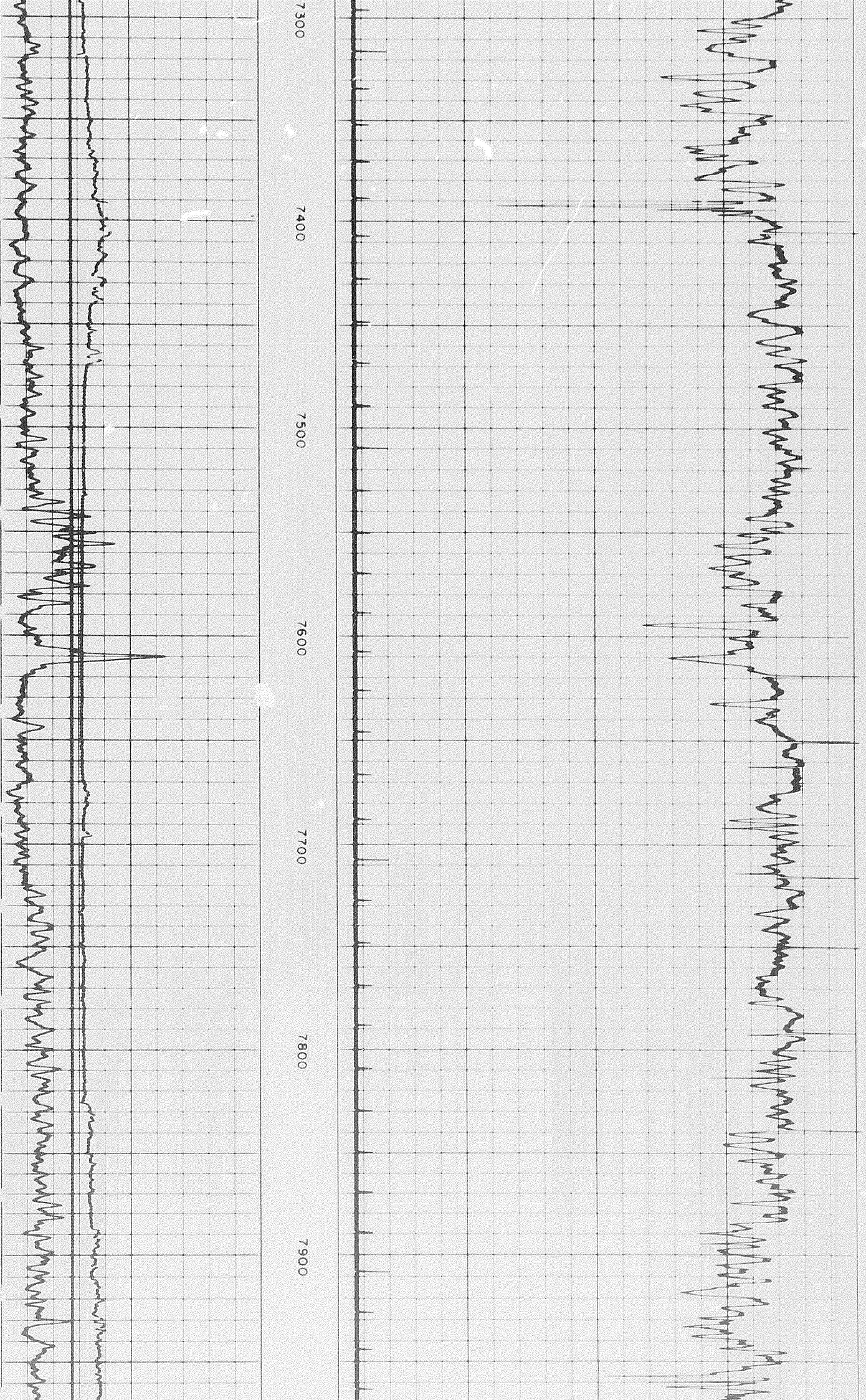
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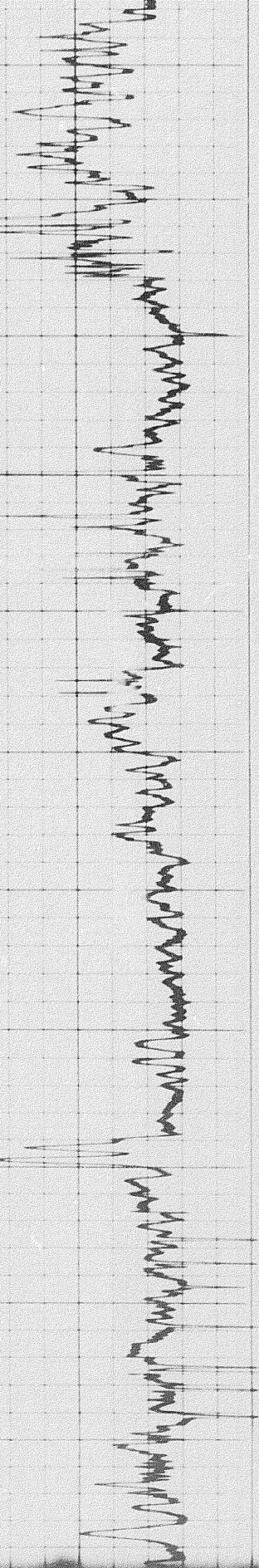


1 of



100





7900

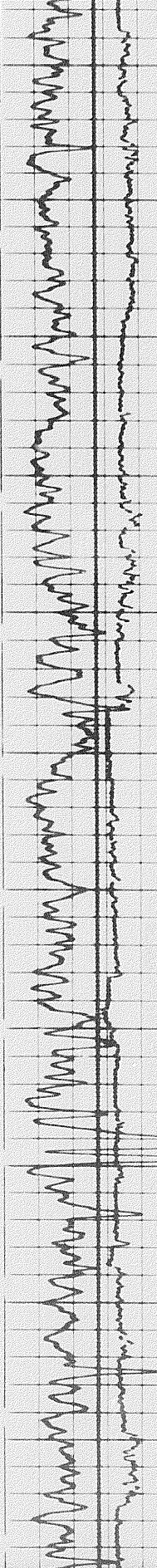
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8100

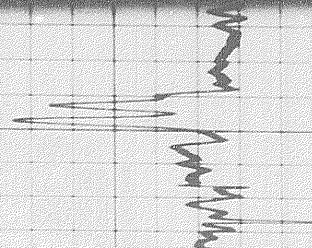
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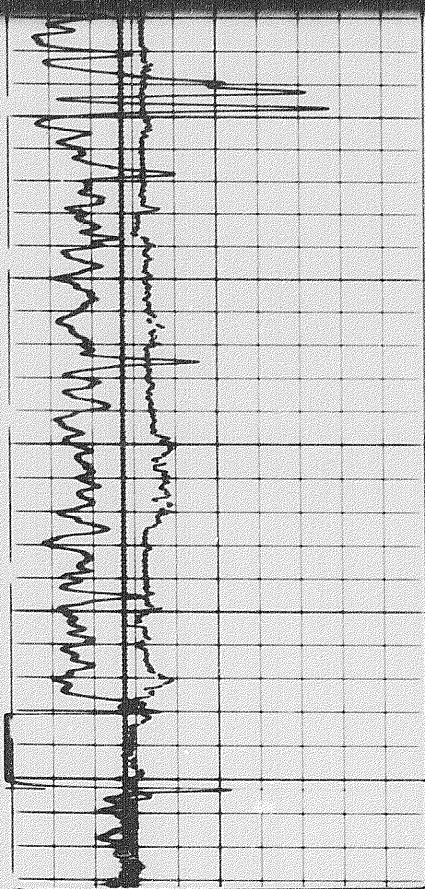
8300

8400

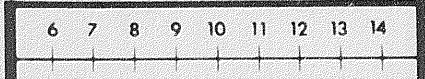
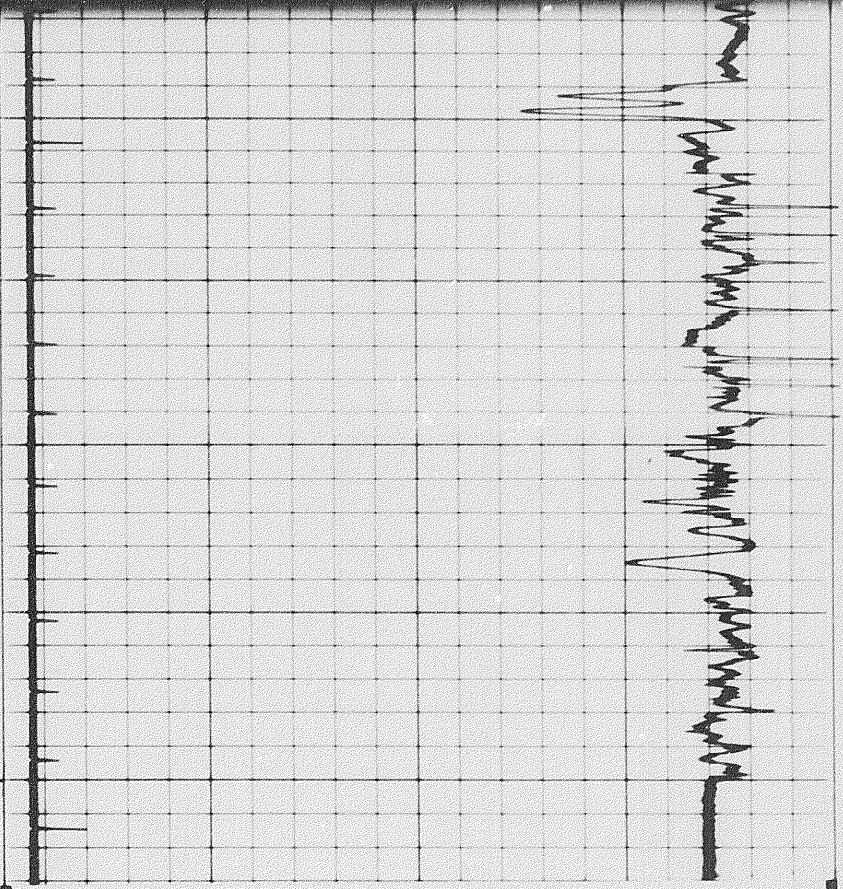


8300





8300  
8400  
FR 8500



**CALIPER**  
hole diameter in inches

Speed in FPM

Sens.	50	T.C.	2
Zero	0	div. to left	
0		150	
150		300	

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

Speed in FPM

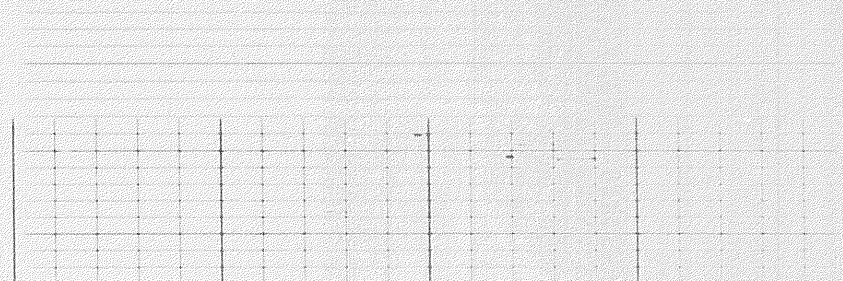
Sens.	150	T.C.	2
Zero	0	div. to left	
0		150	
150		300	

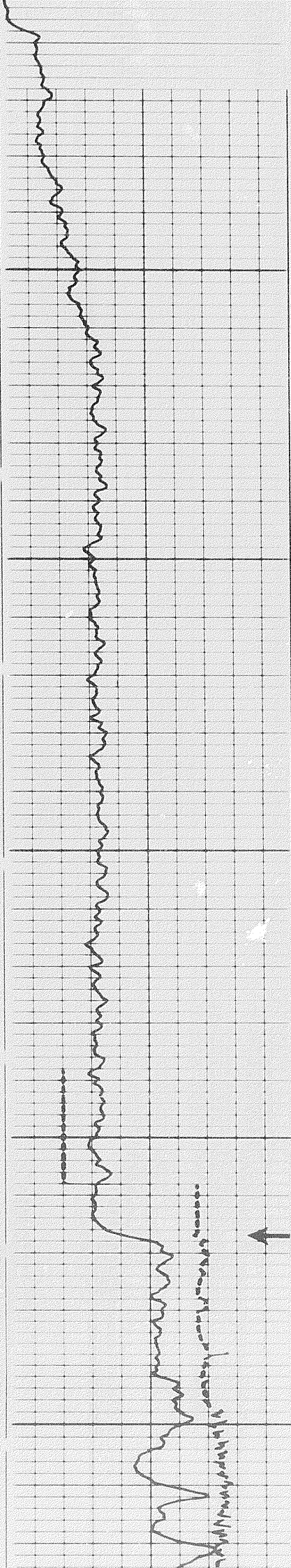
140	90	40
240	190	140

**CALIPER**  
hole diameter in inches



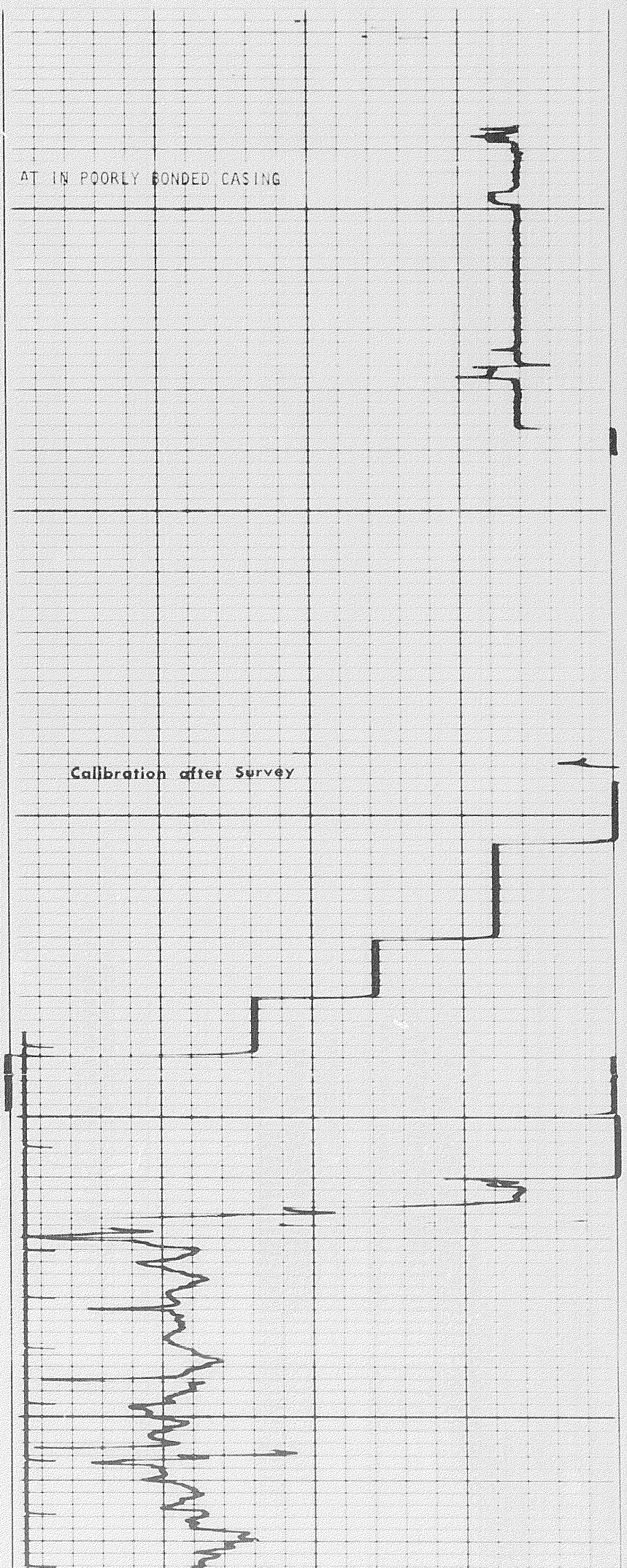
707





0100

AT IN POORLY BONDED CASING

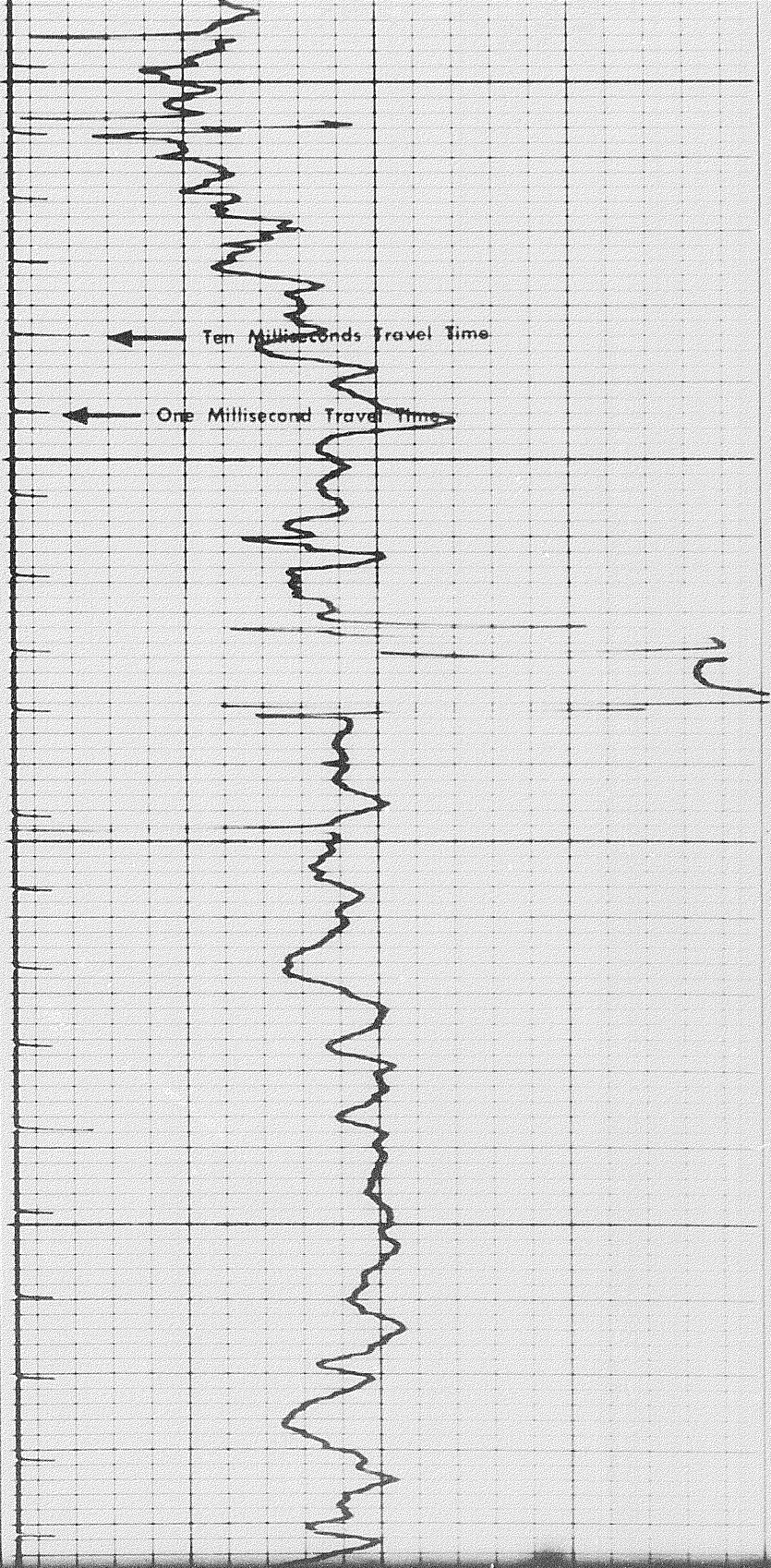


Calibration after Survey

0200

Casing

Handwritten notes in the bottom right corner, possibly describing the casing or survey conditions. The text is difficult to read due to the handwriting and orientation.

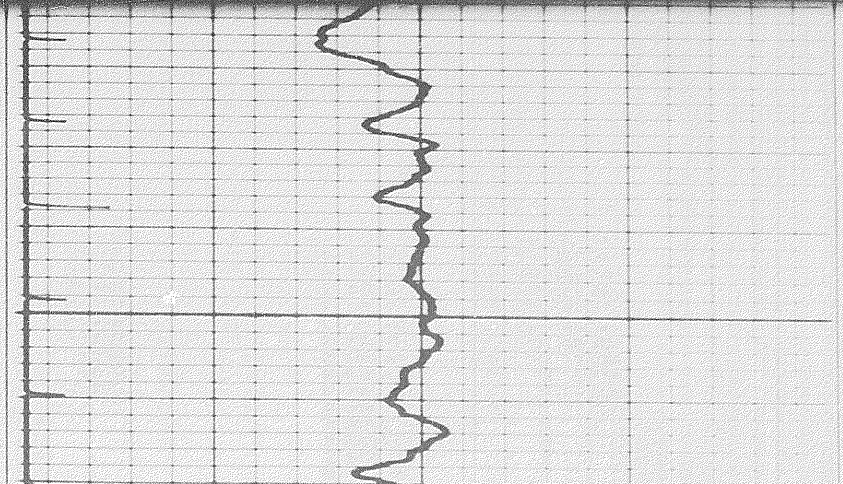
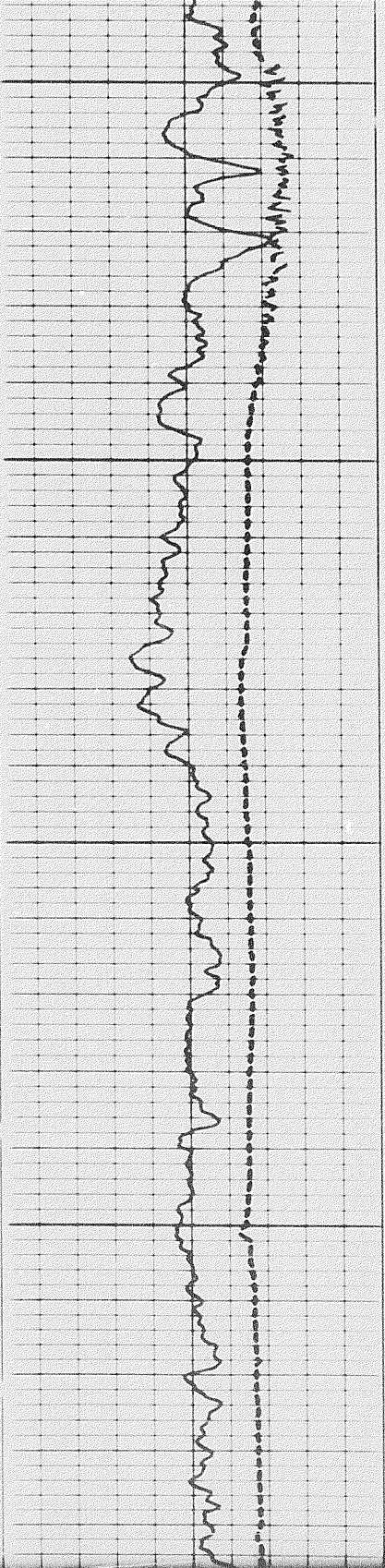


Ten Milliseconds Travel Time

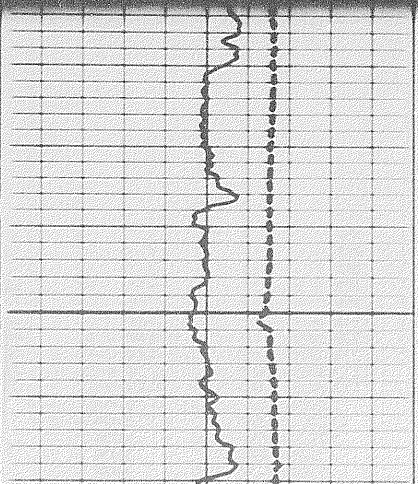
One Millisecond Travel Time

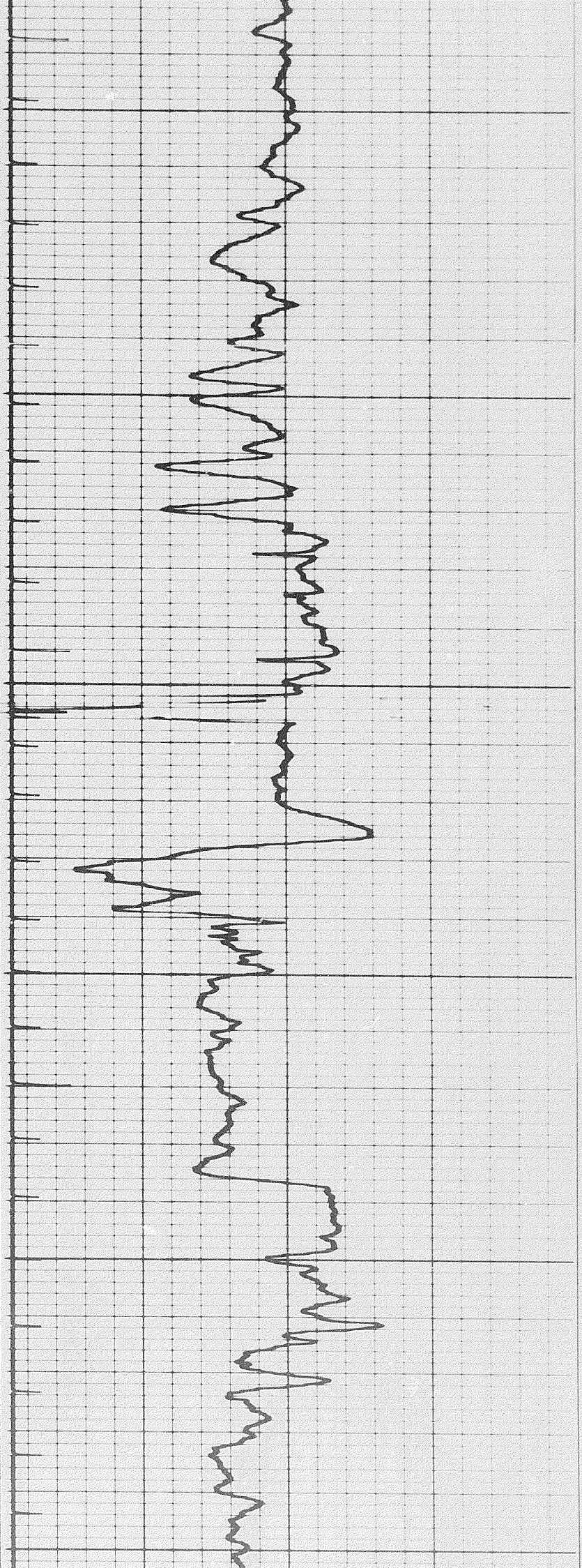
0300

0400



0400

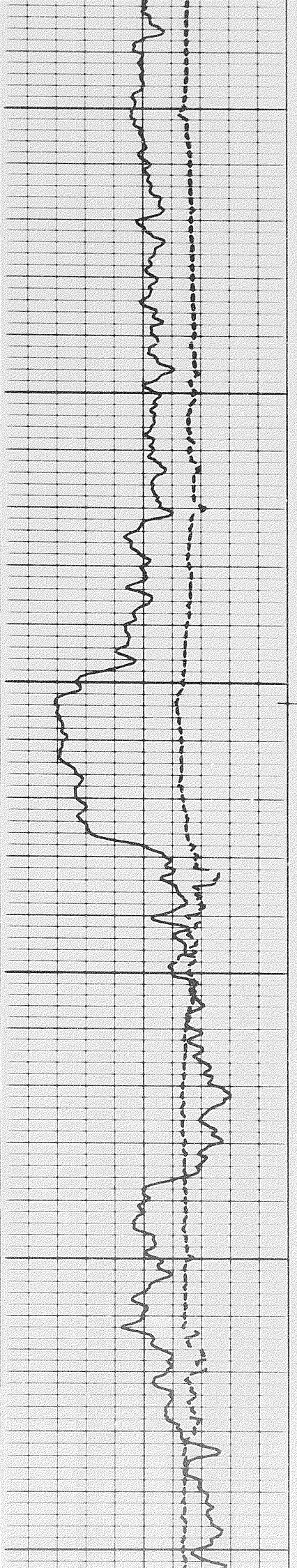




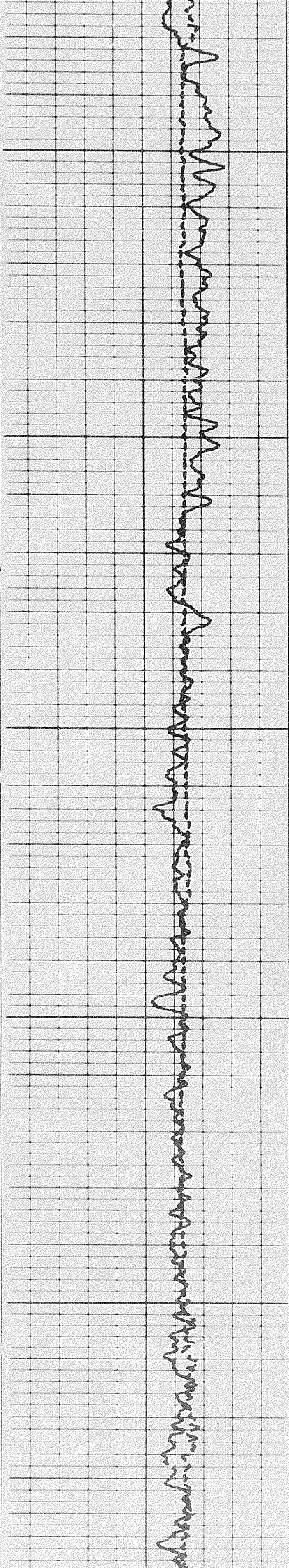
0400

0500

0600

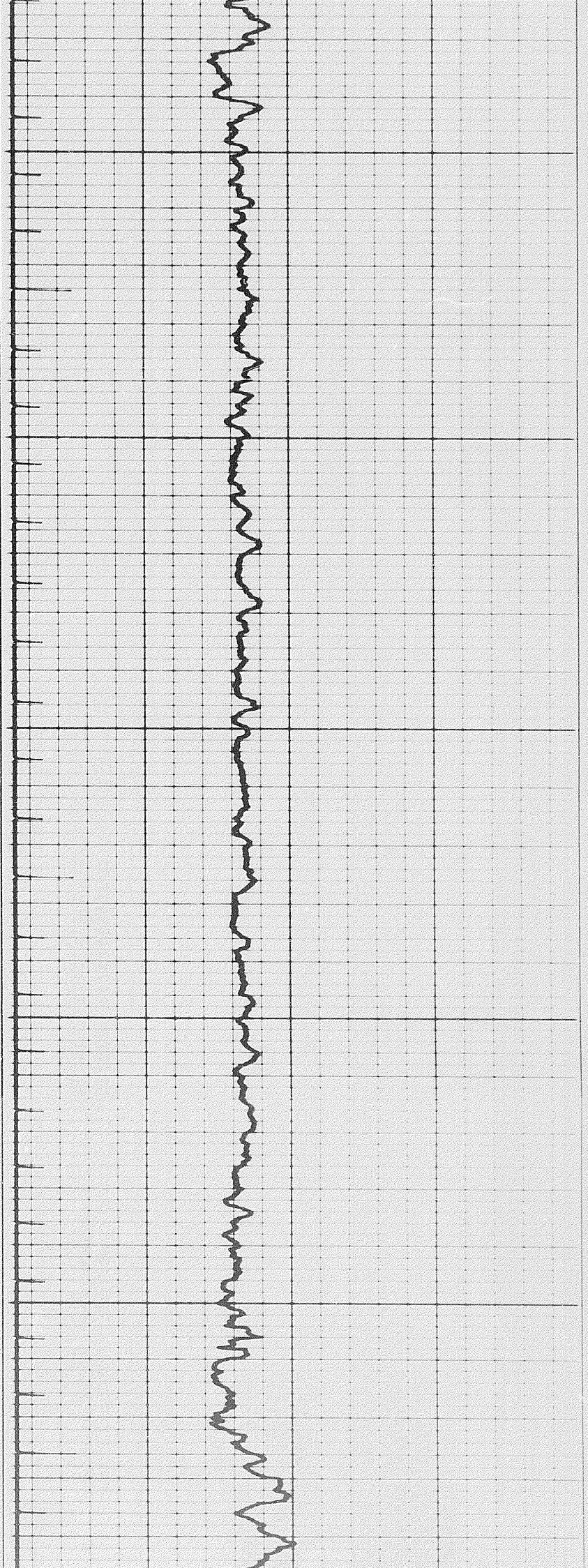


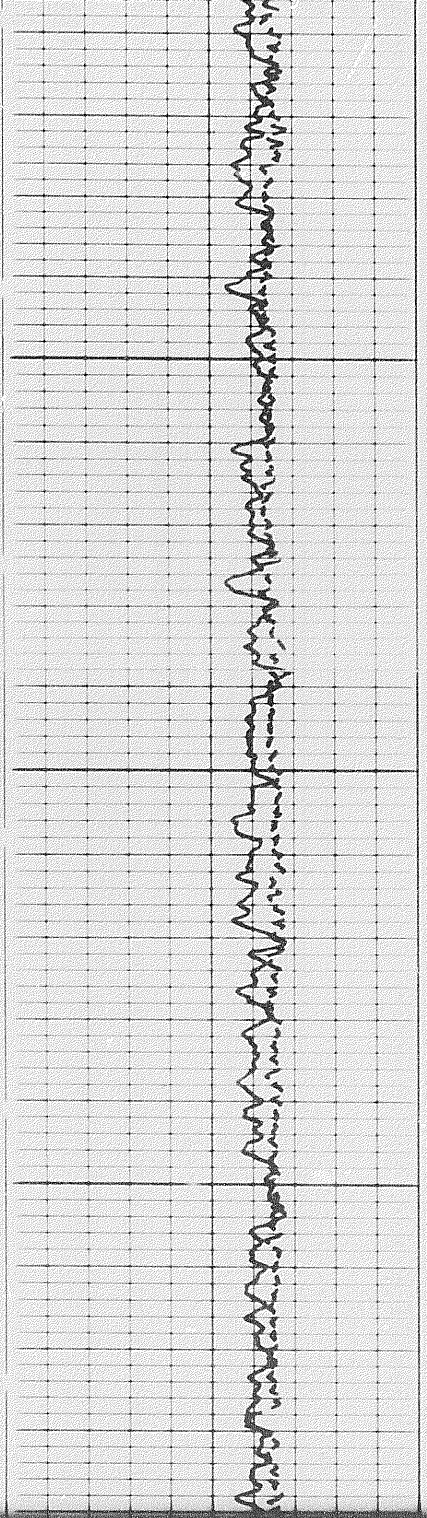
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0700

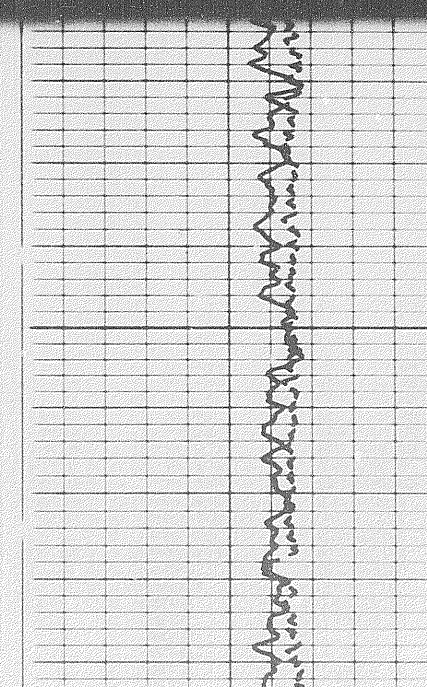
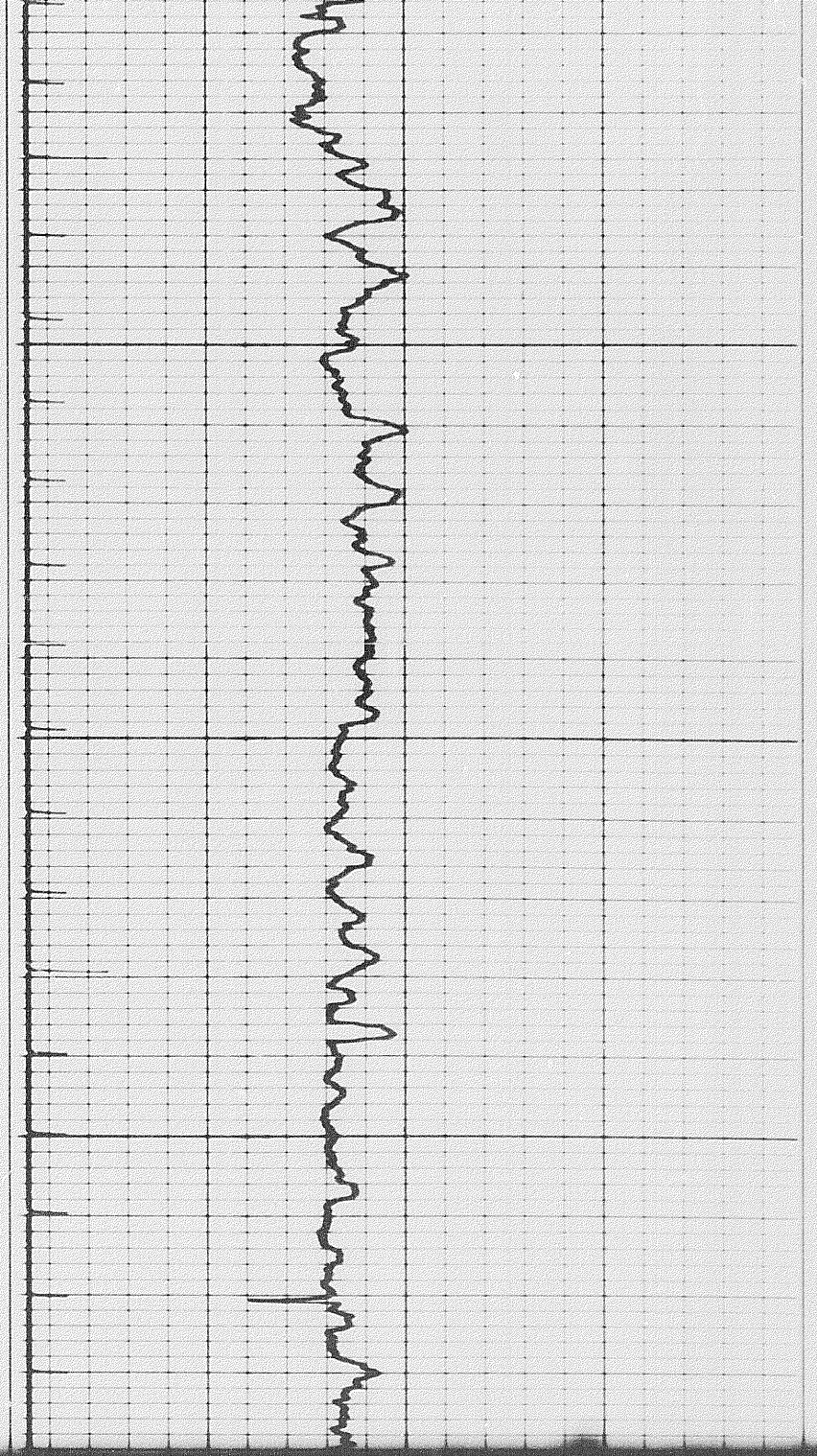
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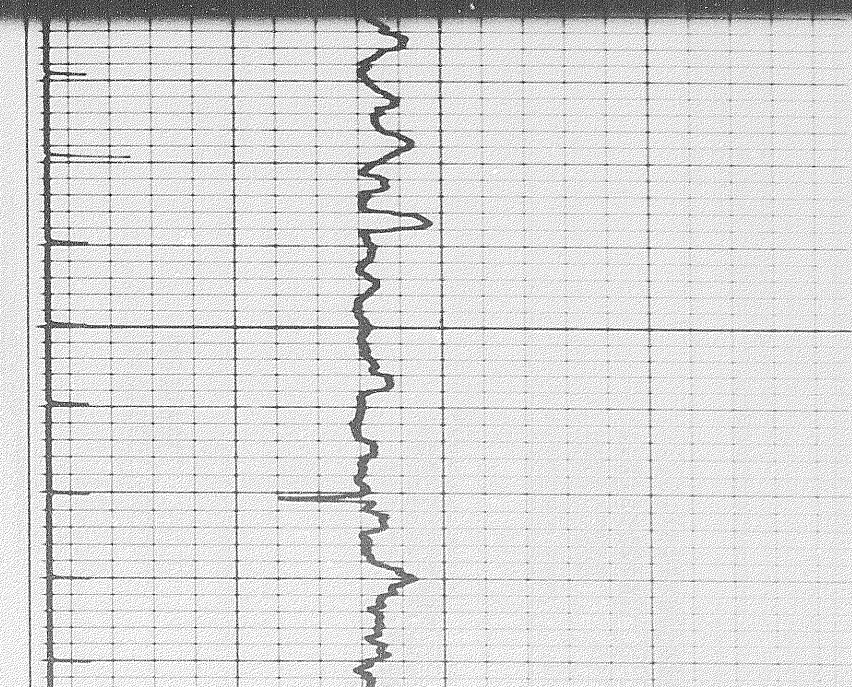
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1000



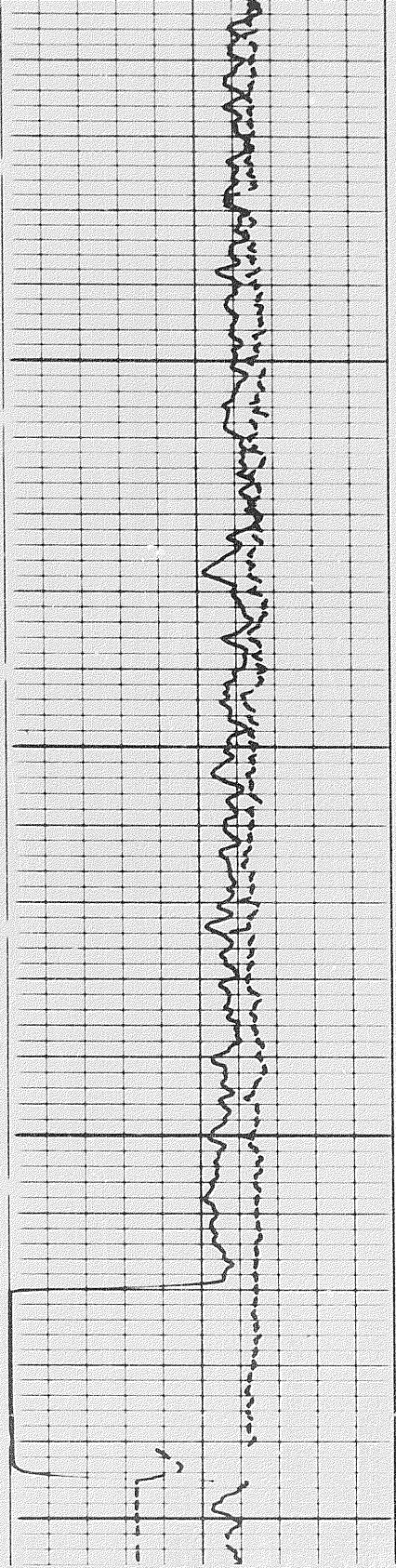
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1000



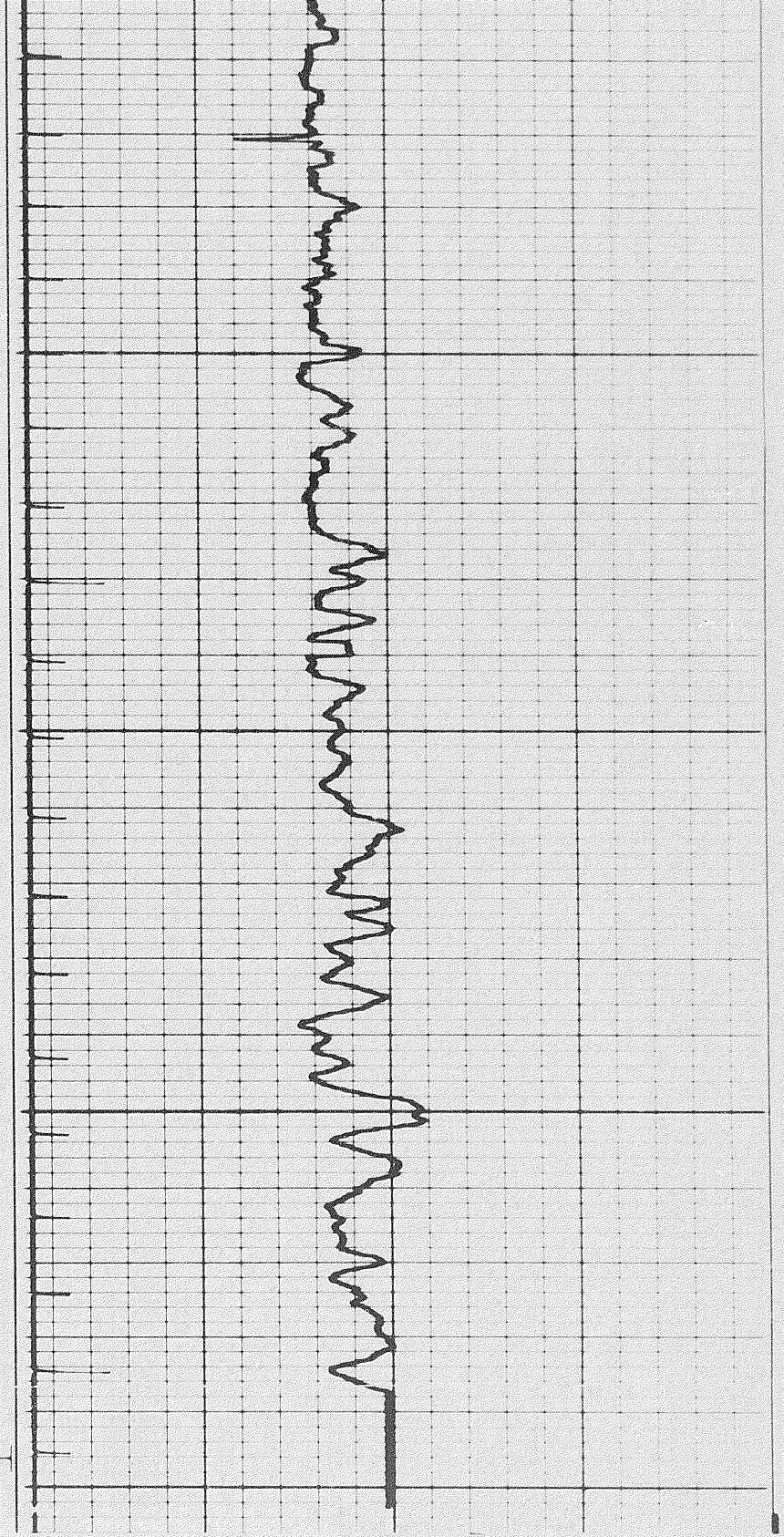


94



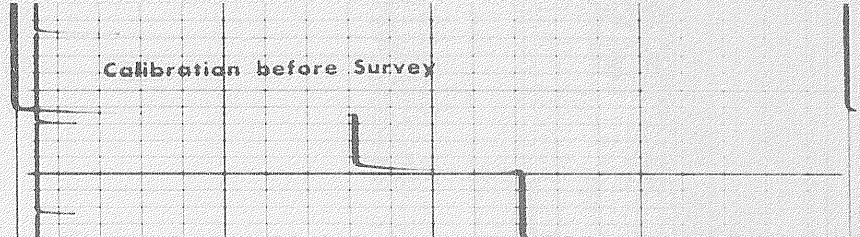
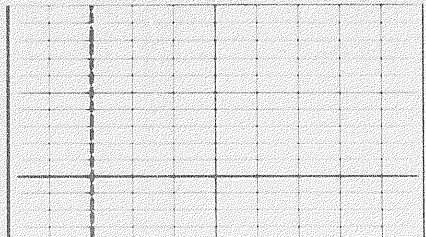
1100

FR 1200



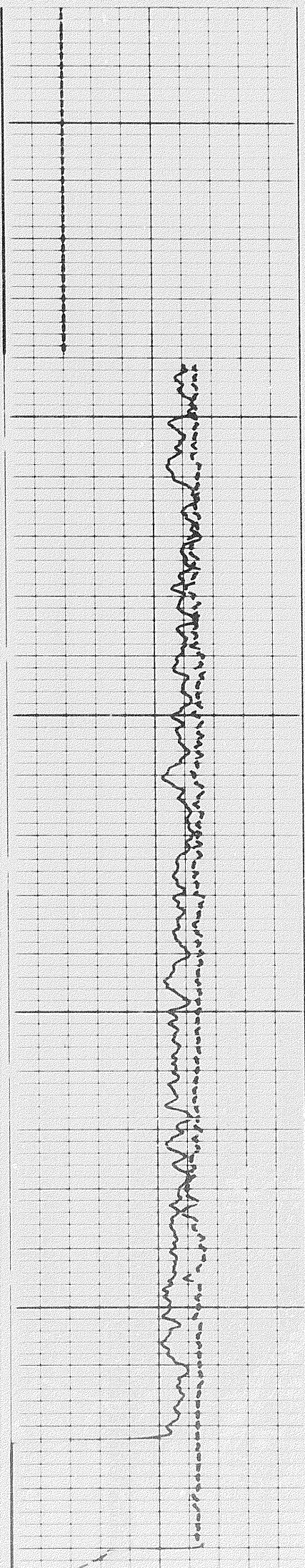
REPEAT SECTION

Calibration before Survey



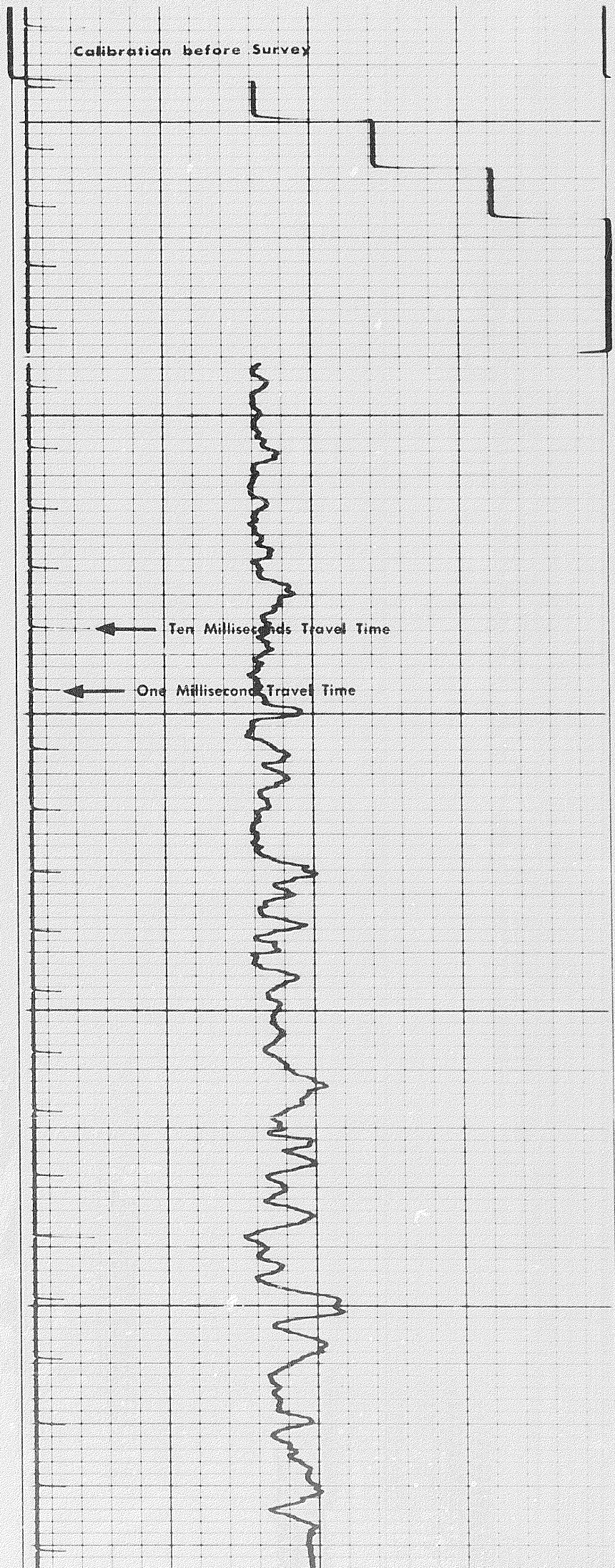
REPEAT SECTION

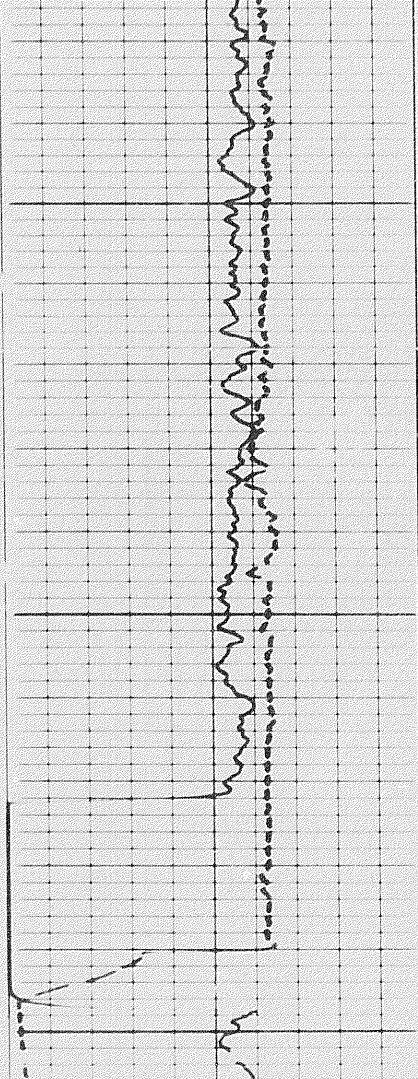
Calibration before Survey



1000

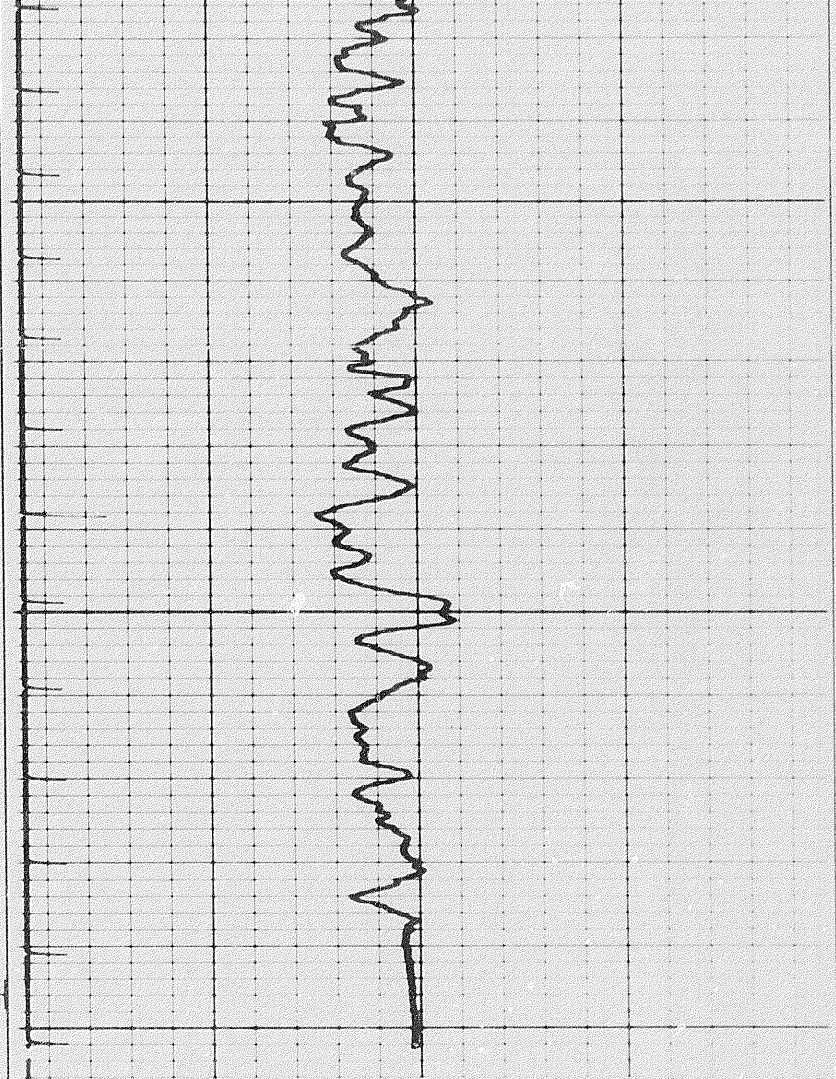
1100





1100

FR  
1200



7 8 9 10 11 12 13 14 15

CALIPER  
hole diameter in inches

Sens. 150 T.C. 2  
Zero 0 div. to left

Speed in FPM

150 300

GAMMA RAY  
API UNITS

DEPTHS

SONIC  
INTERVAL TRANSIT TIME  
microseconds per foot

240	190	150
140	90	40

DETAIL LOG  
5" = 100'

GAMMA RAY  
API UNITS

DEPTHS

SONIC  
INTERVAL TRANSIT TIME  
microseconds per foot

Speed in FPM

Sens. 150 T.C. 2  
Zero 0 div. to left  
150 300

CALIPER  
hole diameter in inches

100	70	40
160	120	150

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. 150 T.C. 2  
Zero 0 div. to left

150 300

CALIPER  
hole diameter in inches

6 7 8 9 10 11 12 13 14

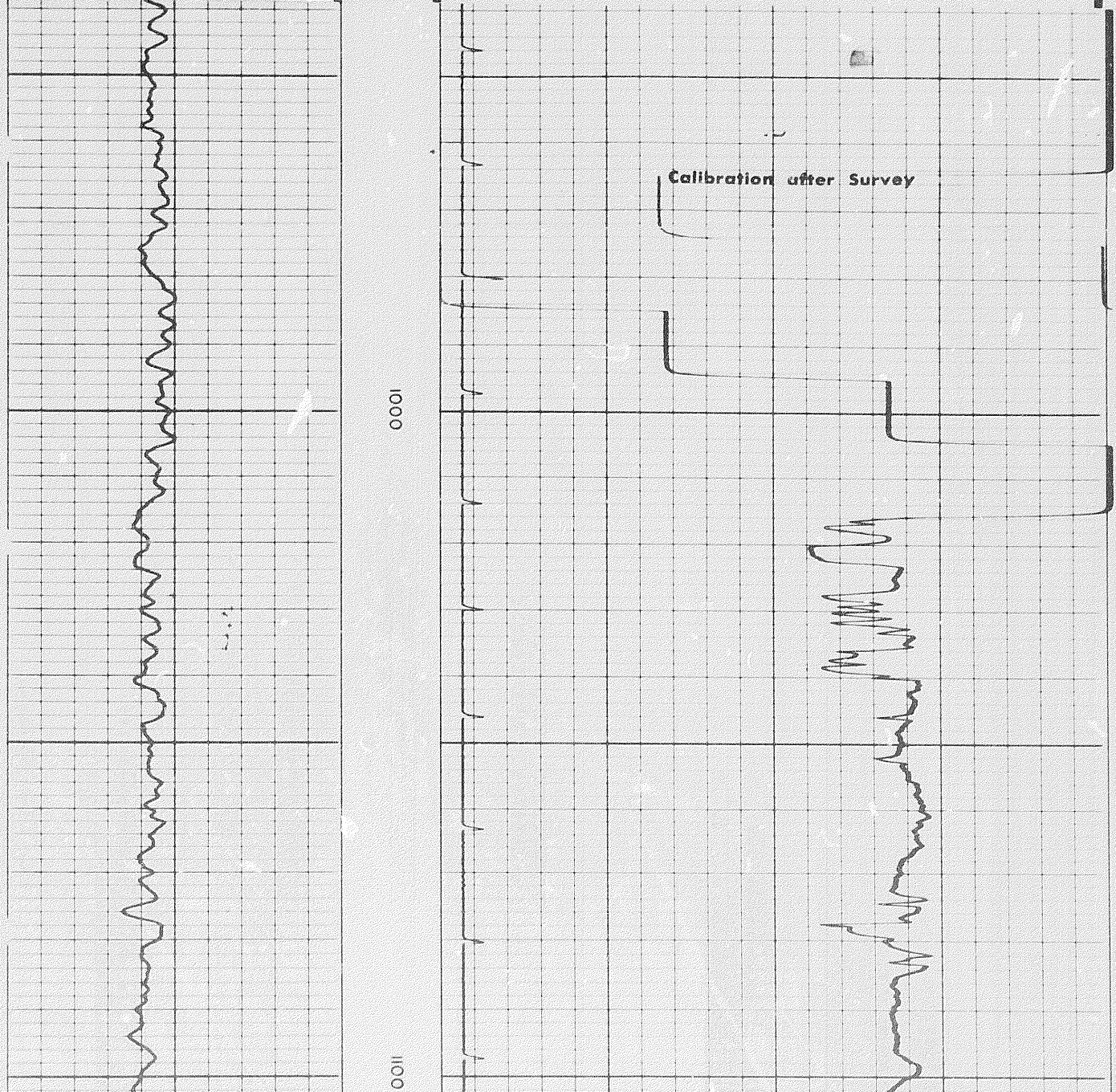
100	70	40
160	130	100

1000

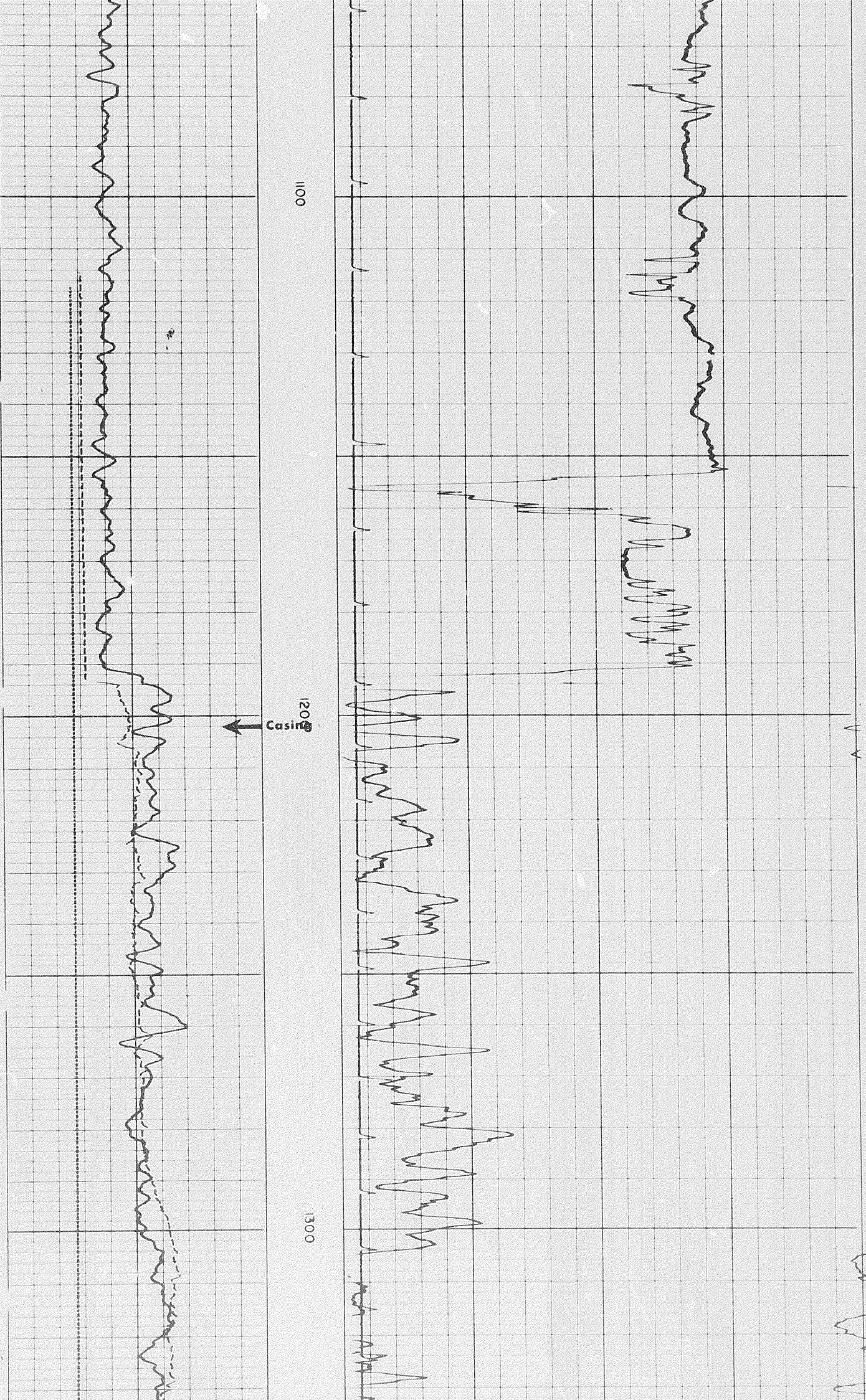
1100

Calibration after Survey

1100



0 24



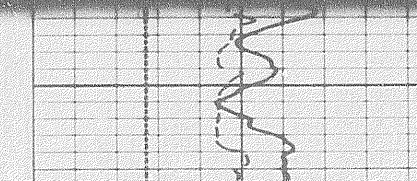
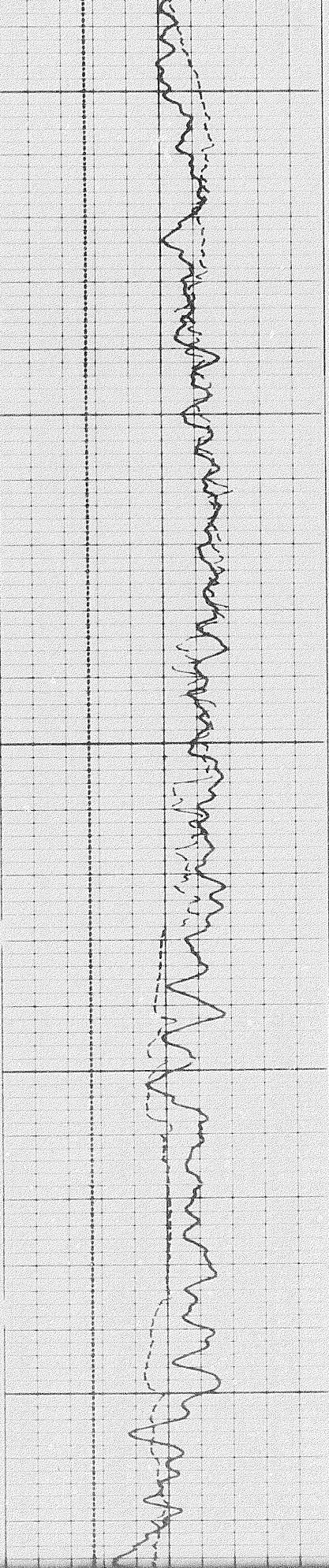
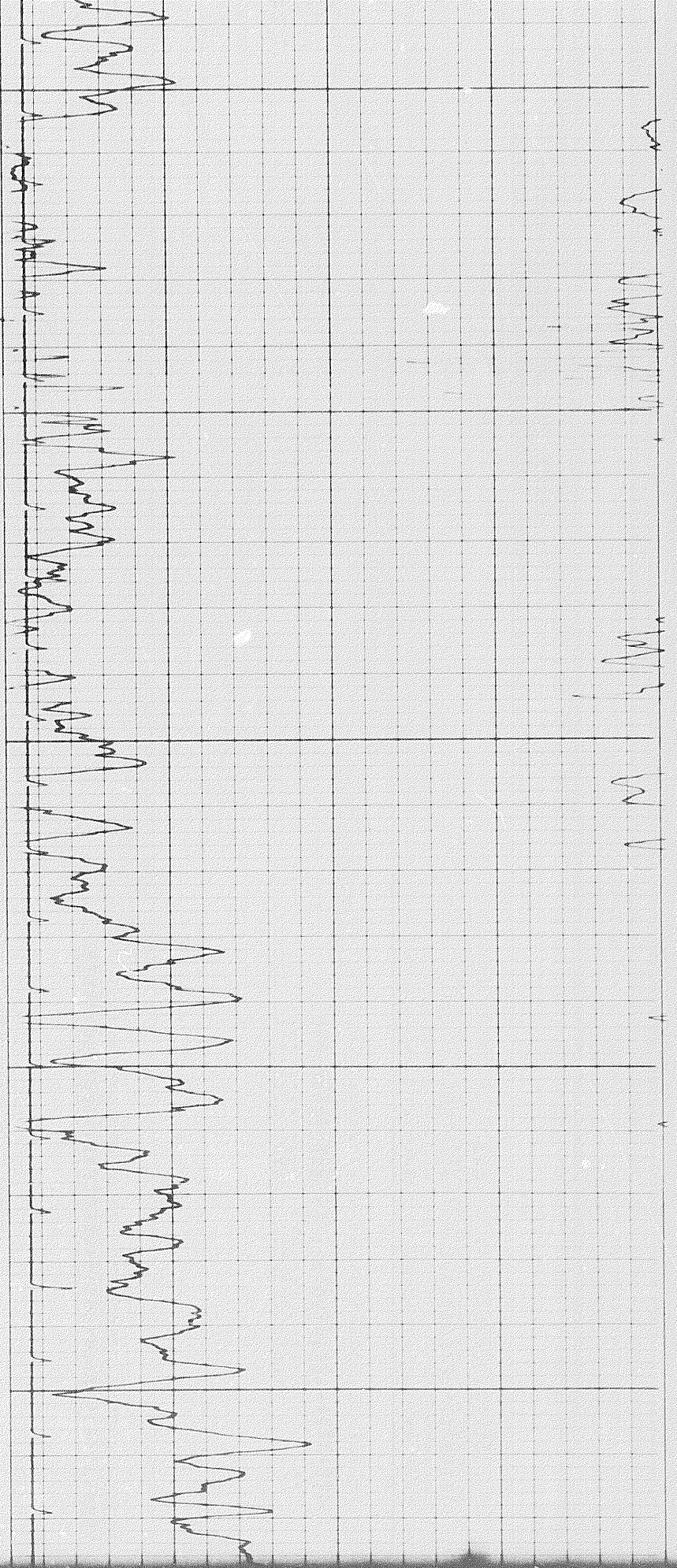
1100

1200

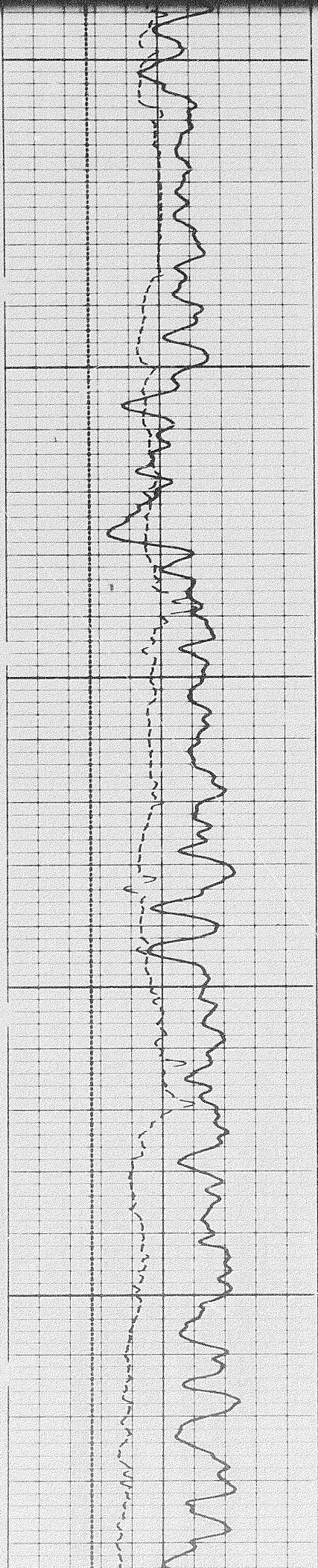


Casino

1300

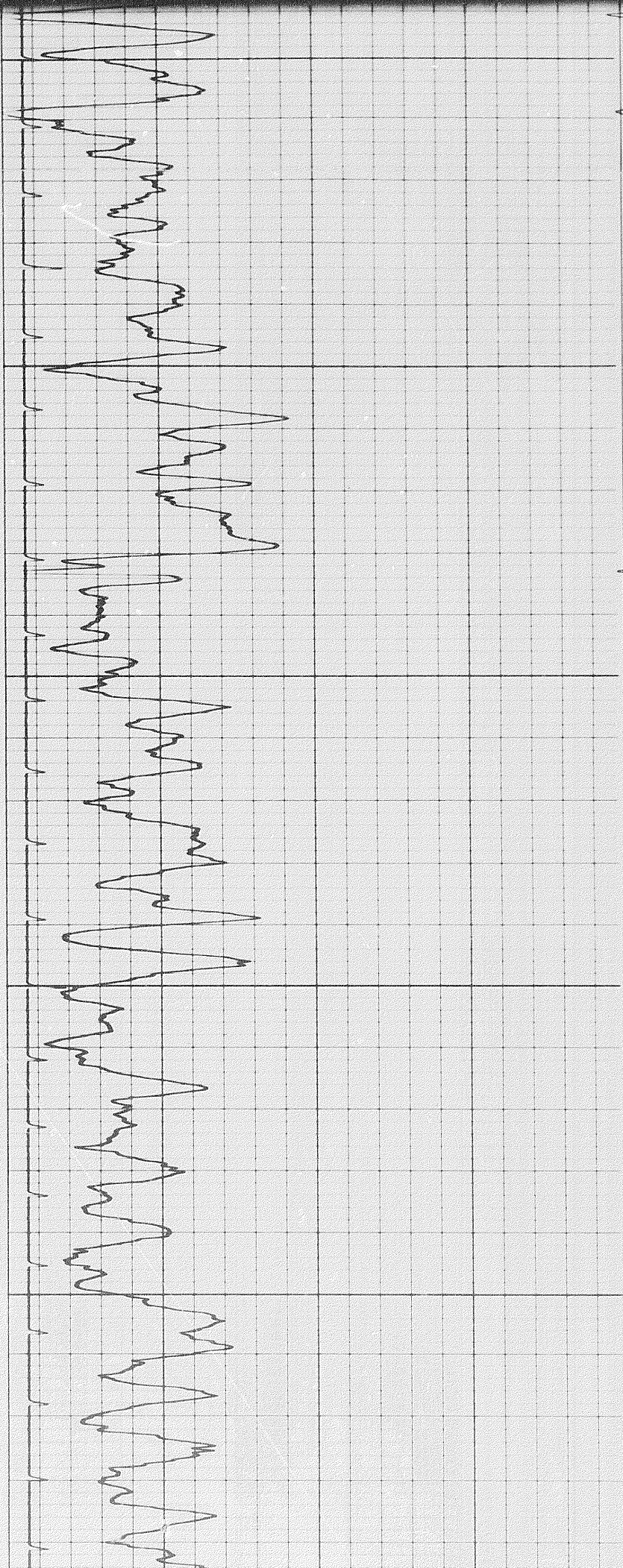


1101

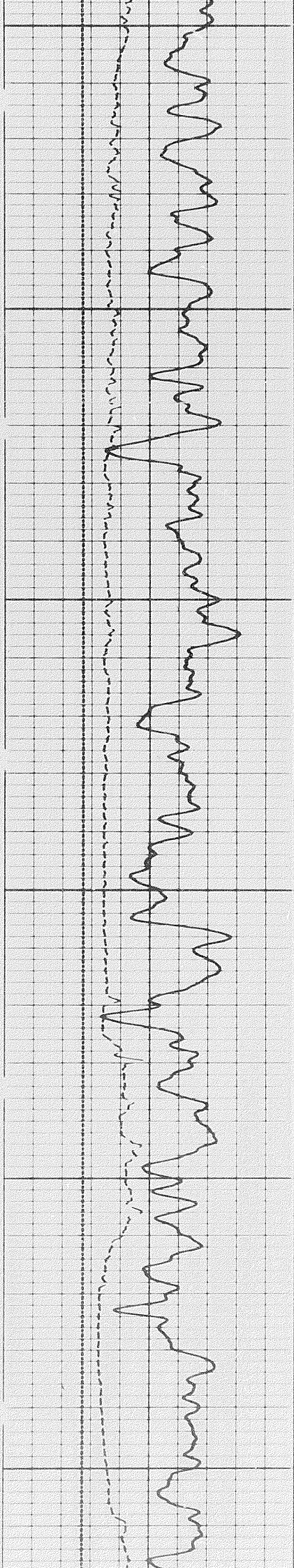


1500

1600



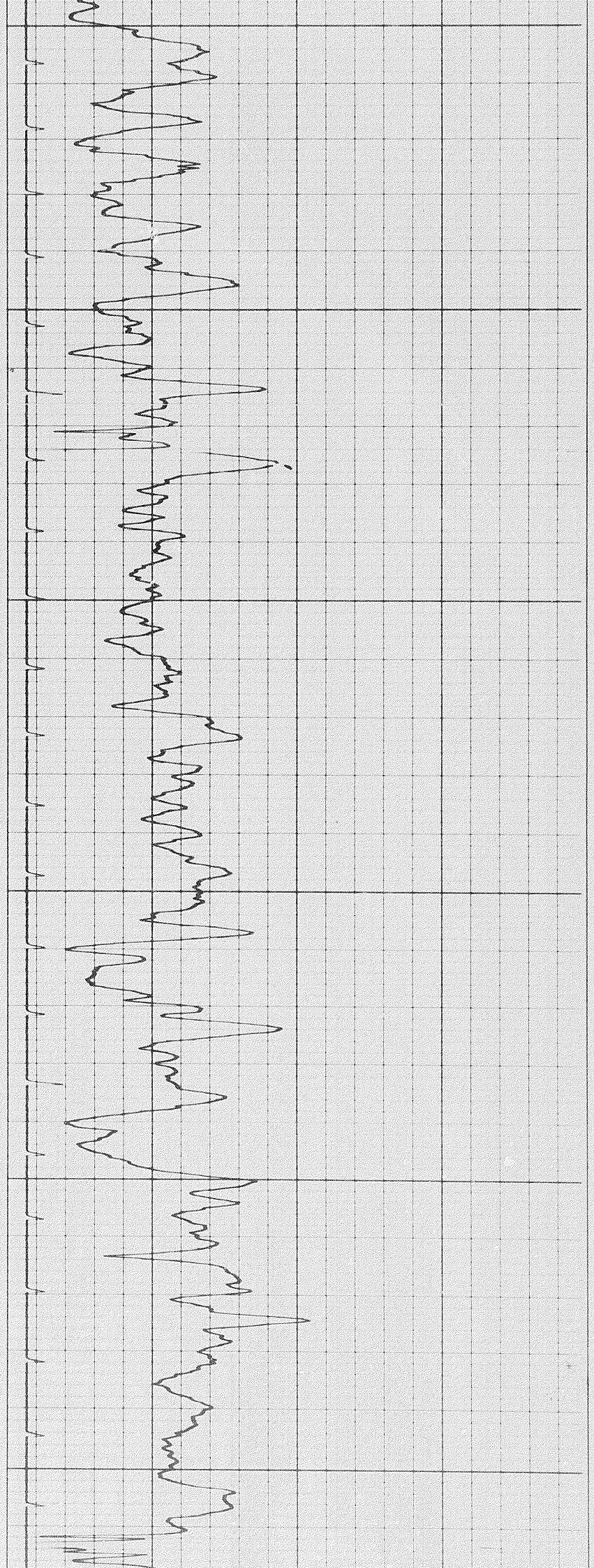
7011



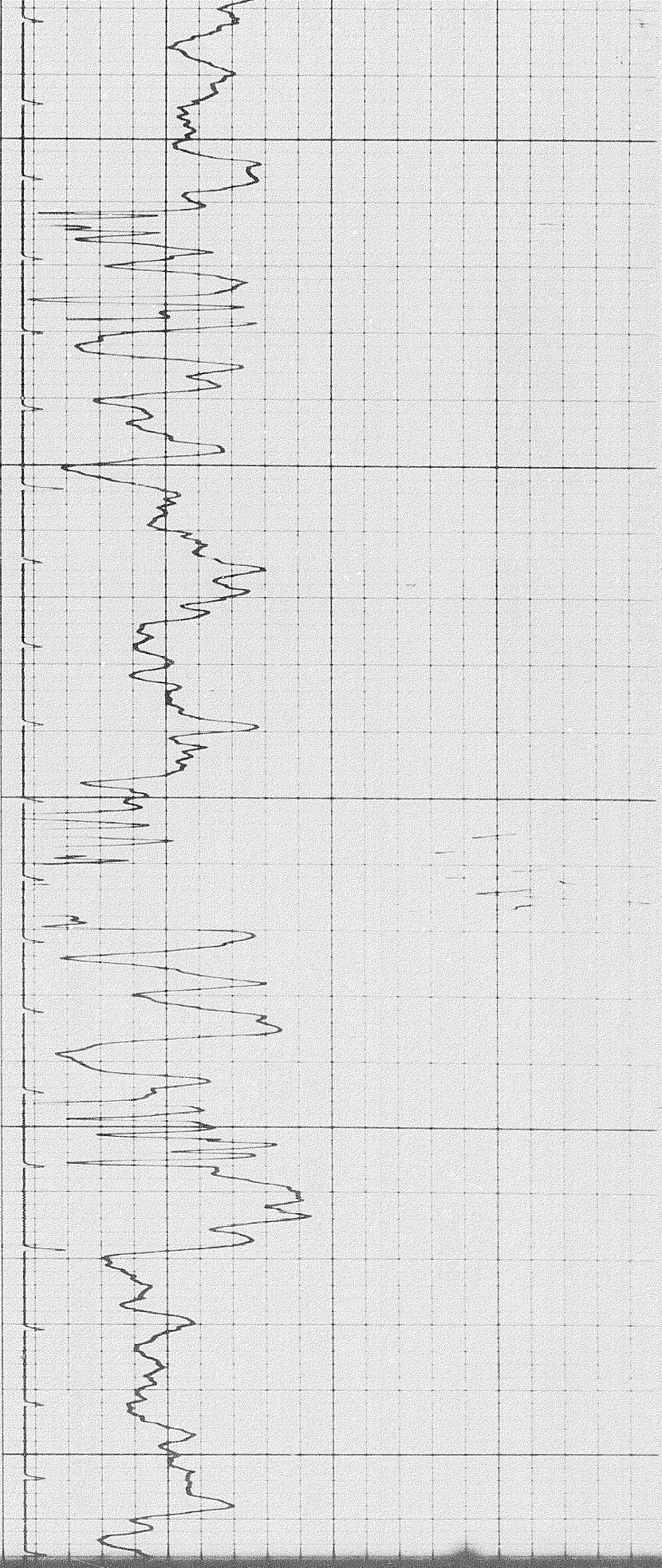
1700

1800

1900



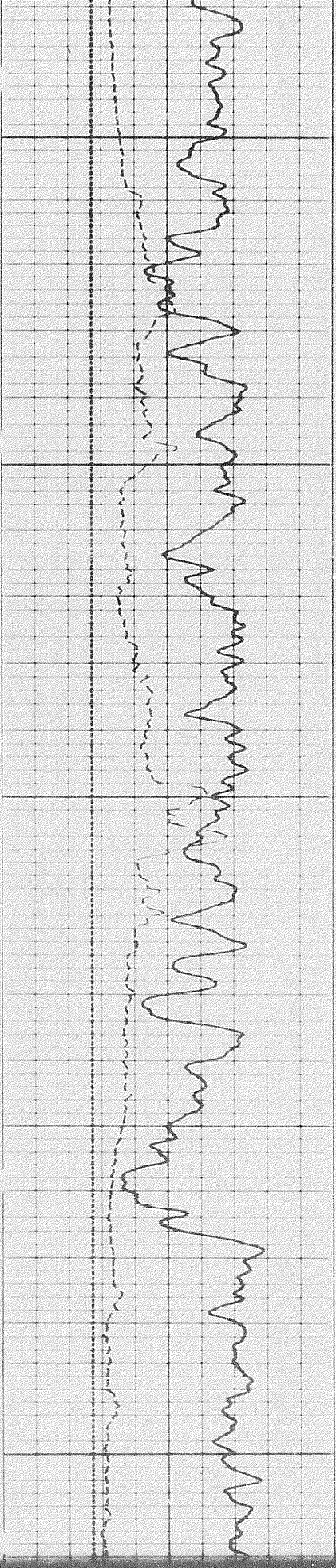




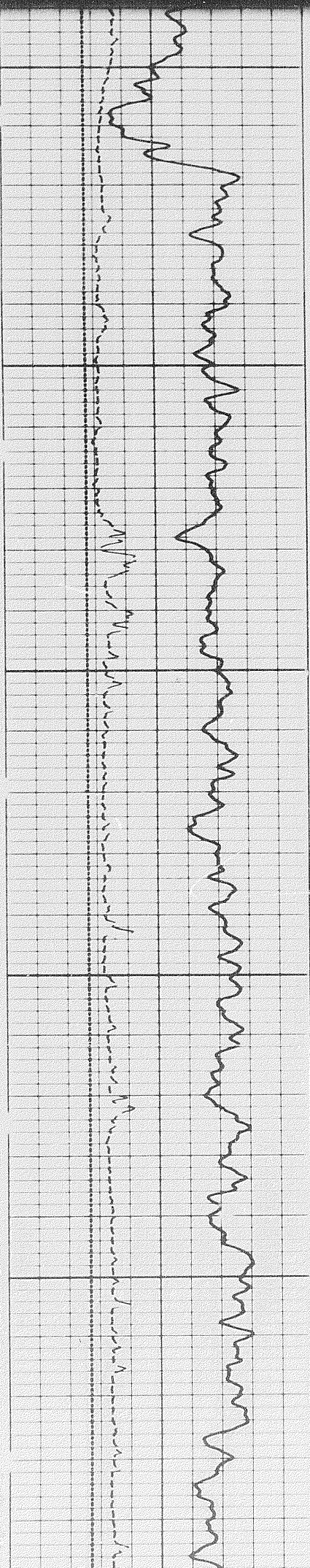
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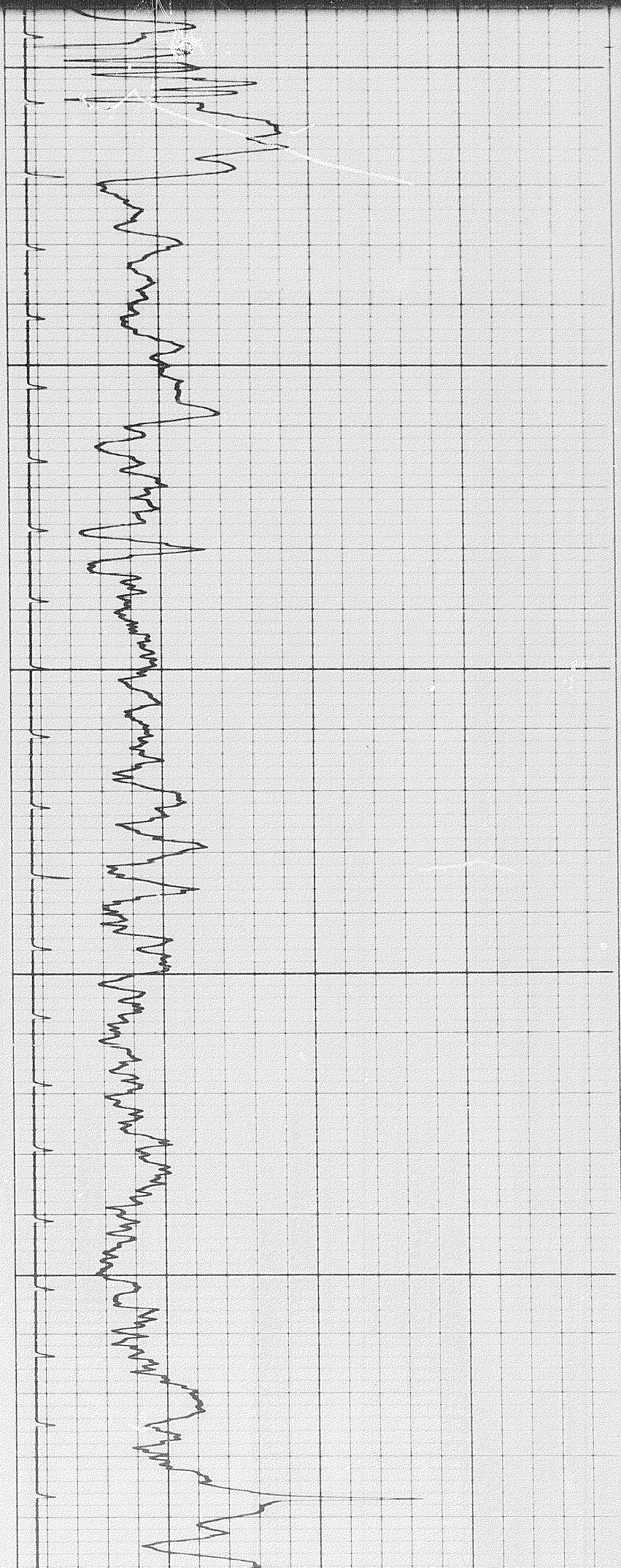
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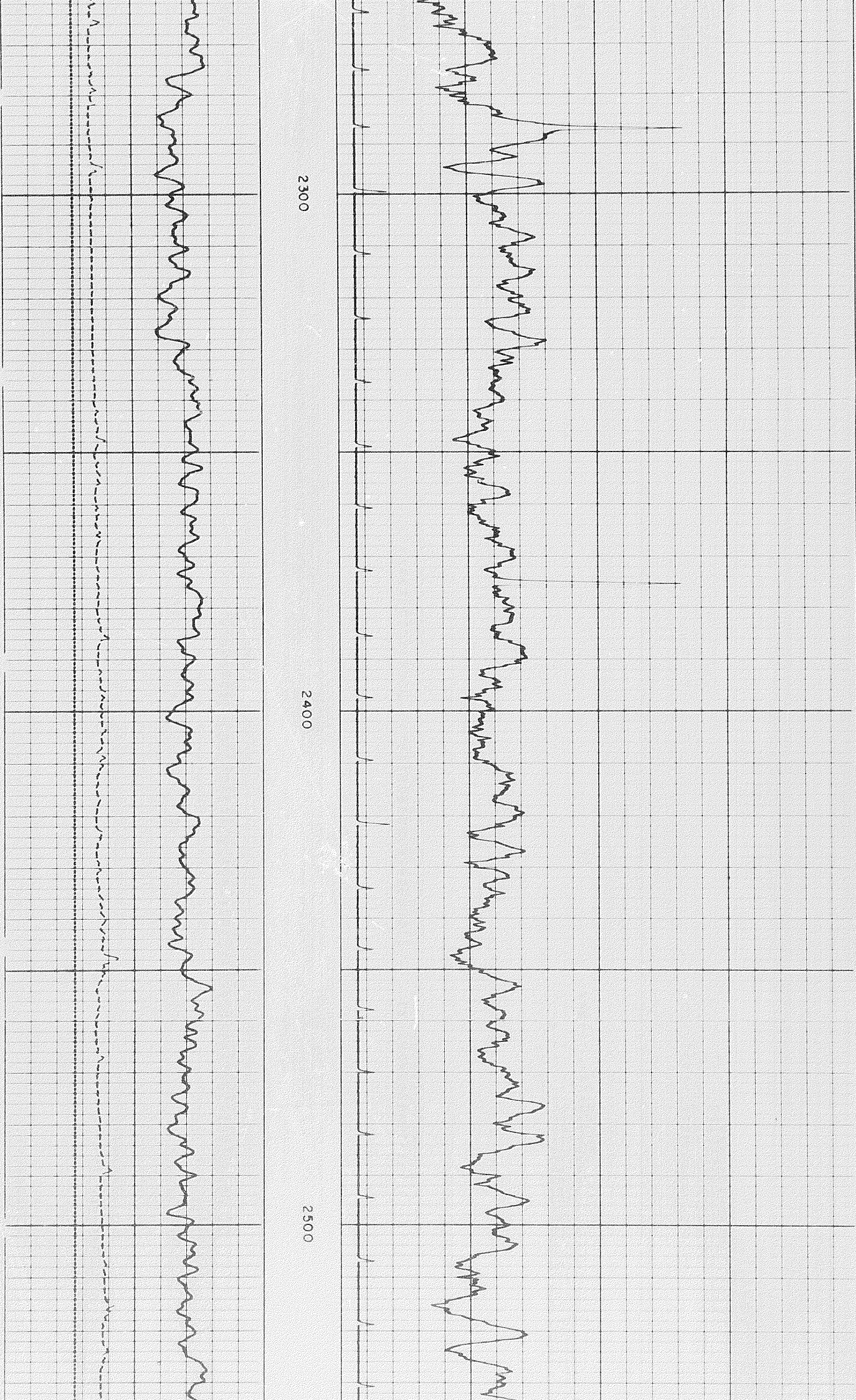
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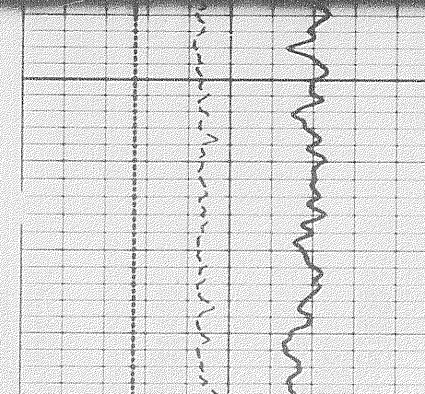
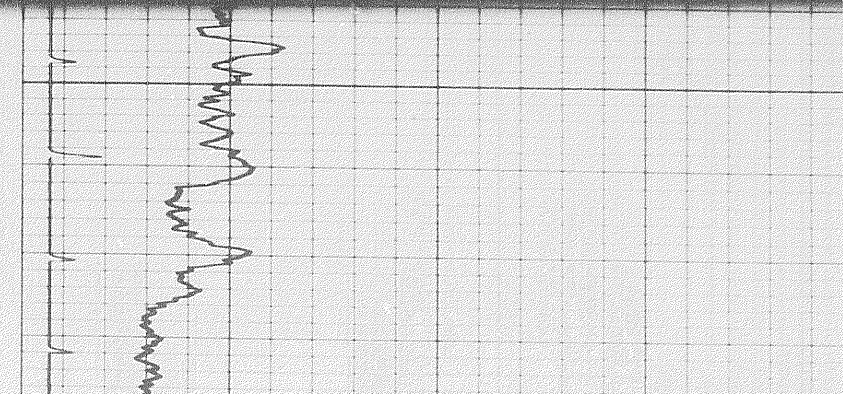
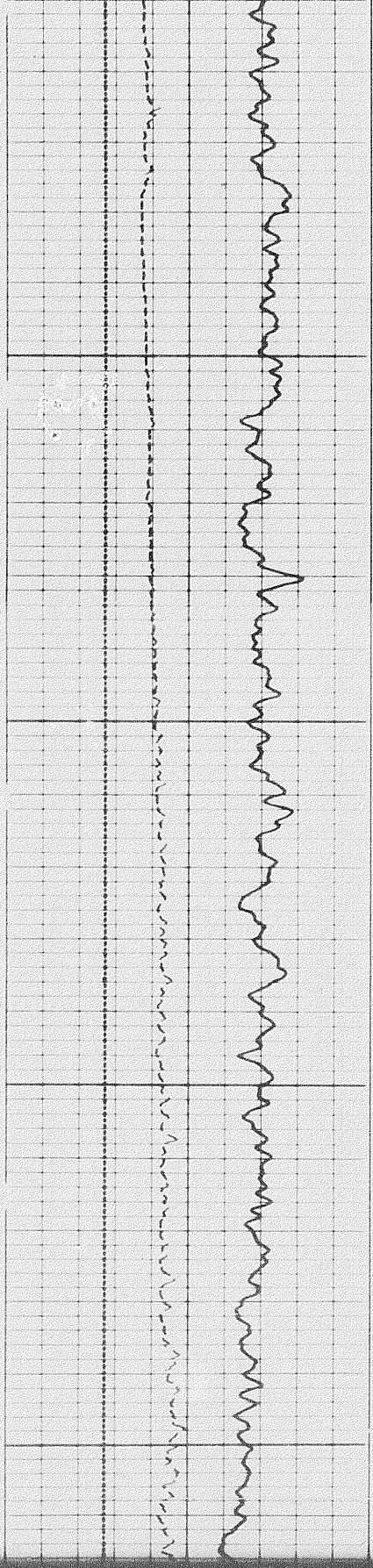
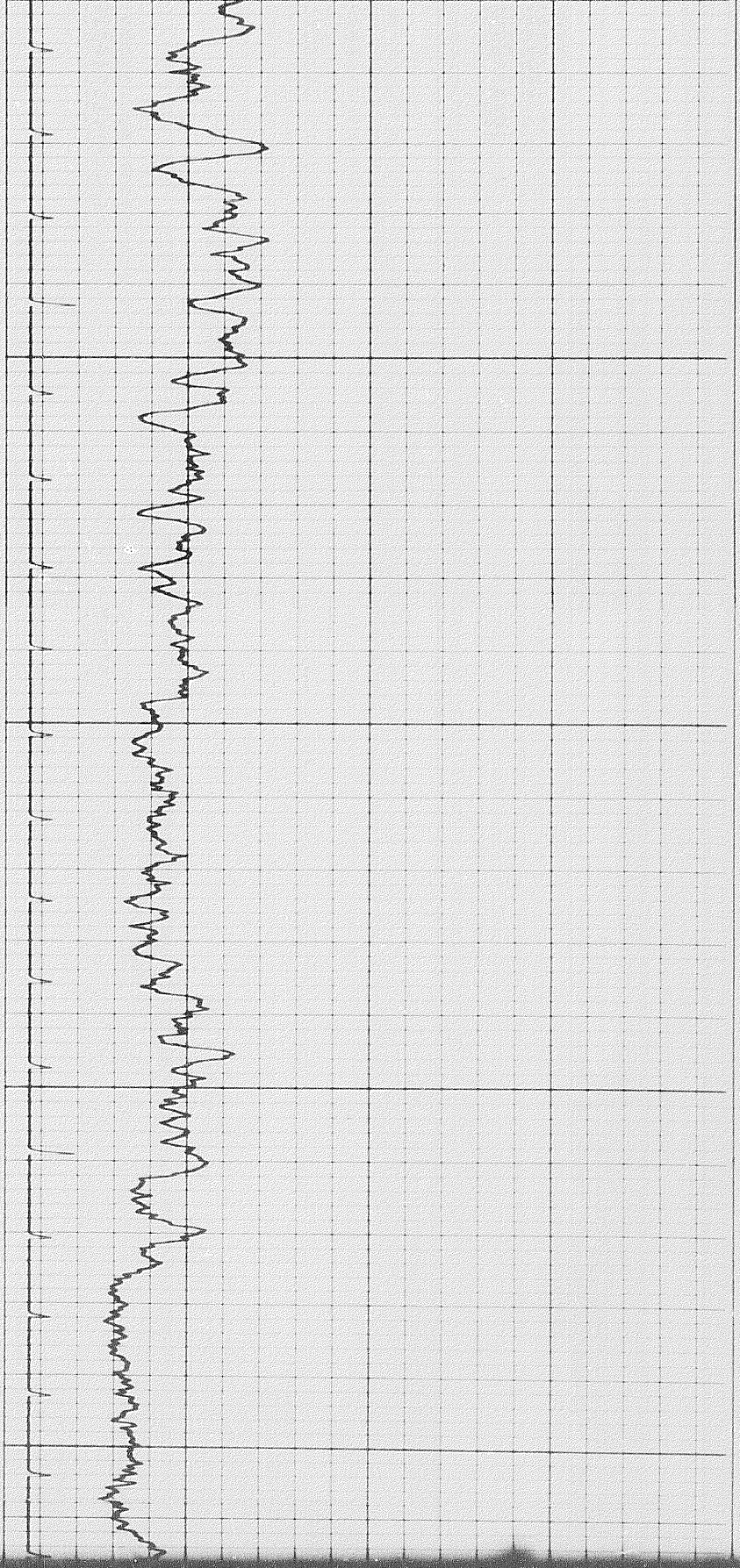
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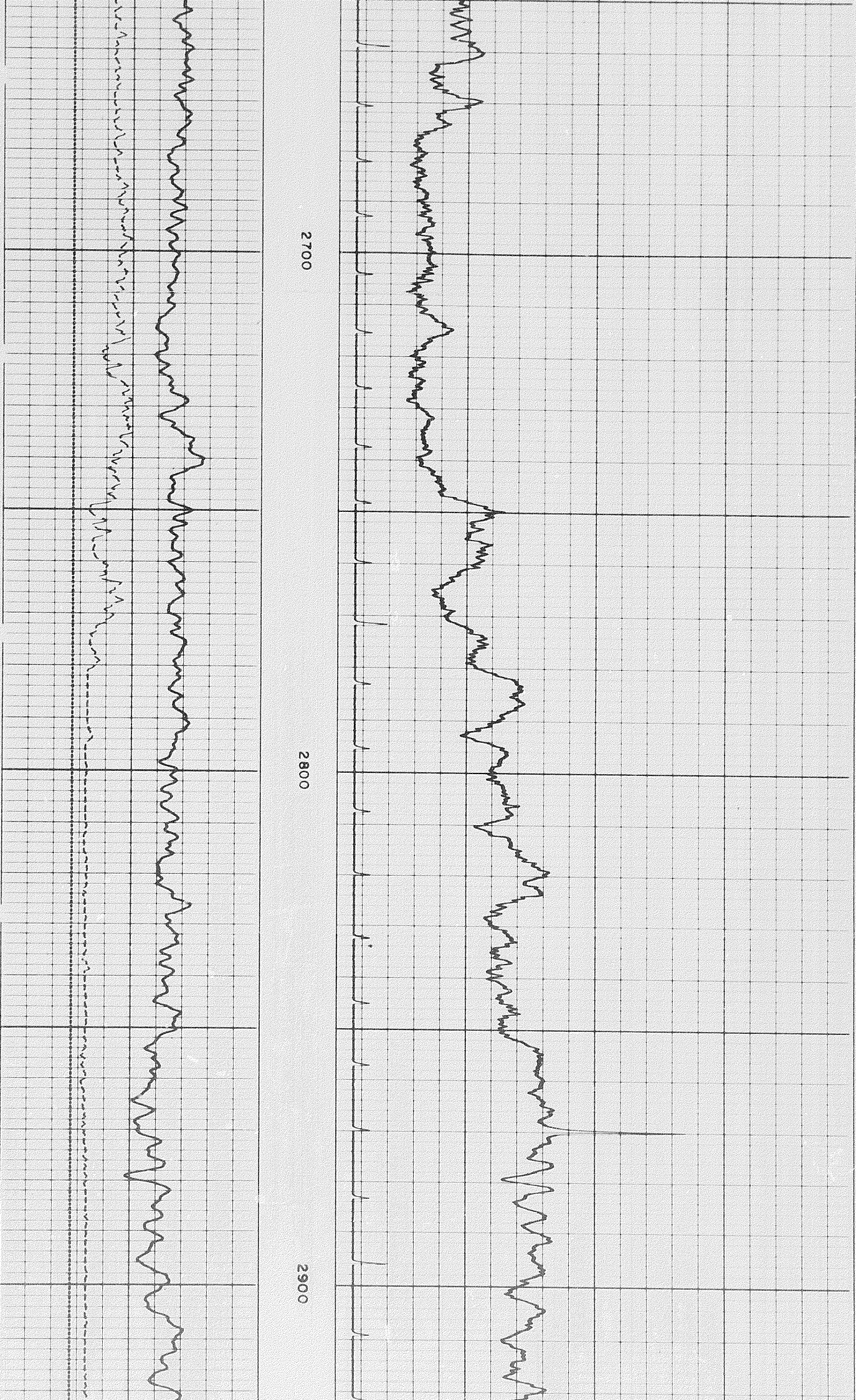


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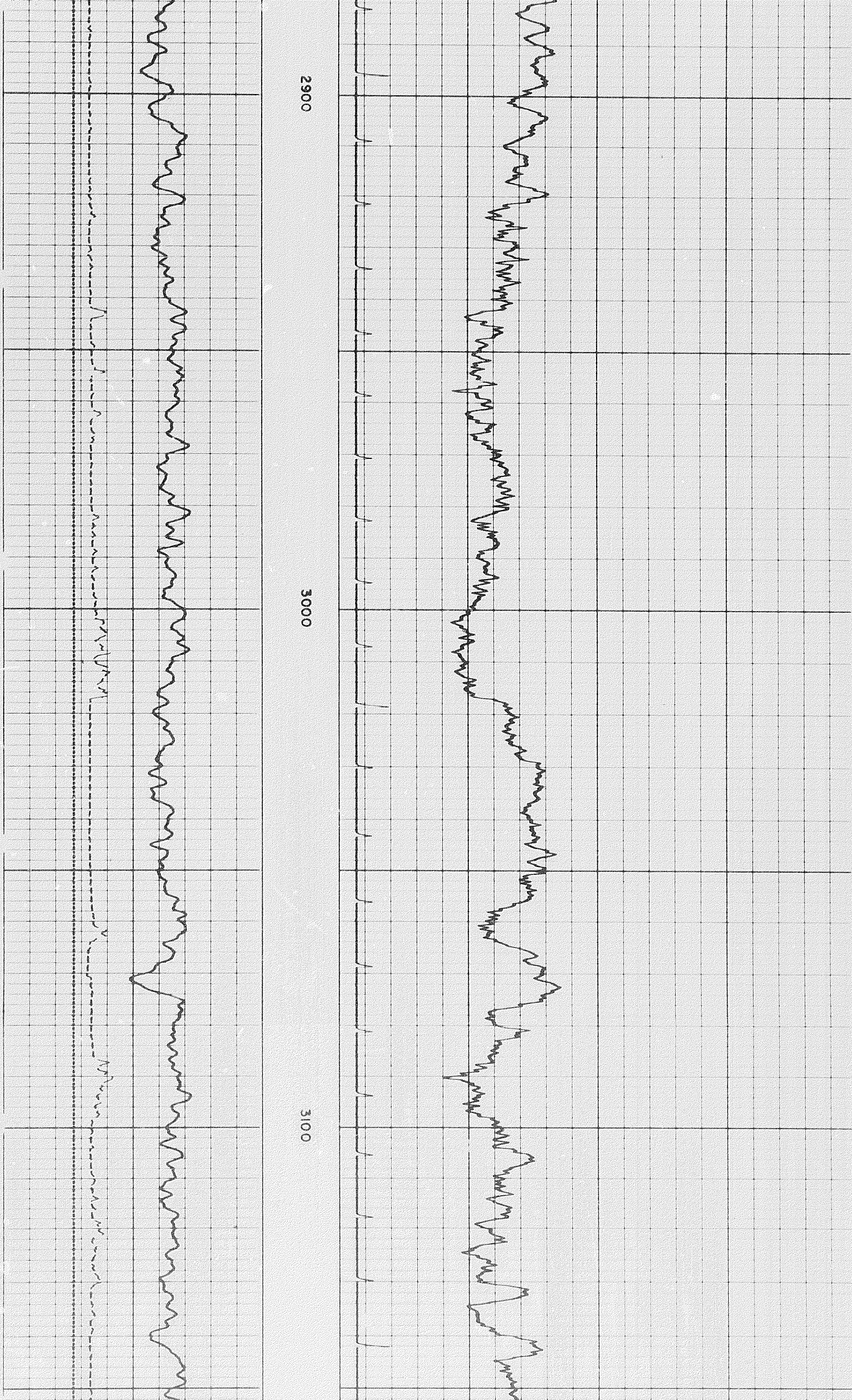
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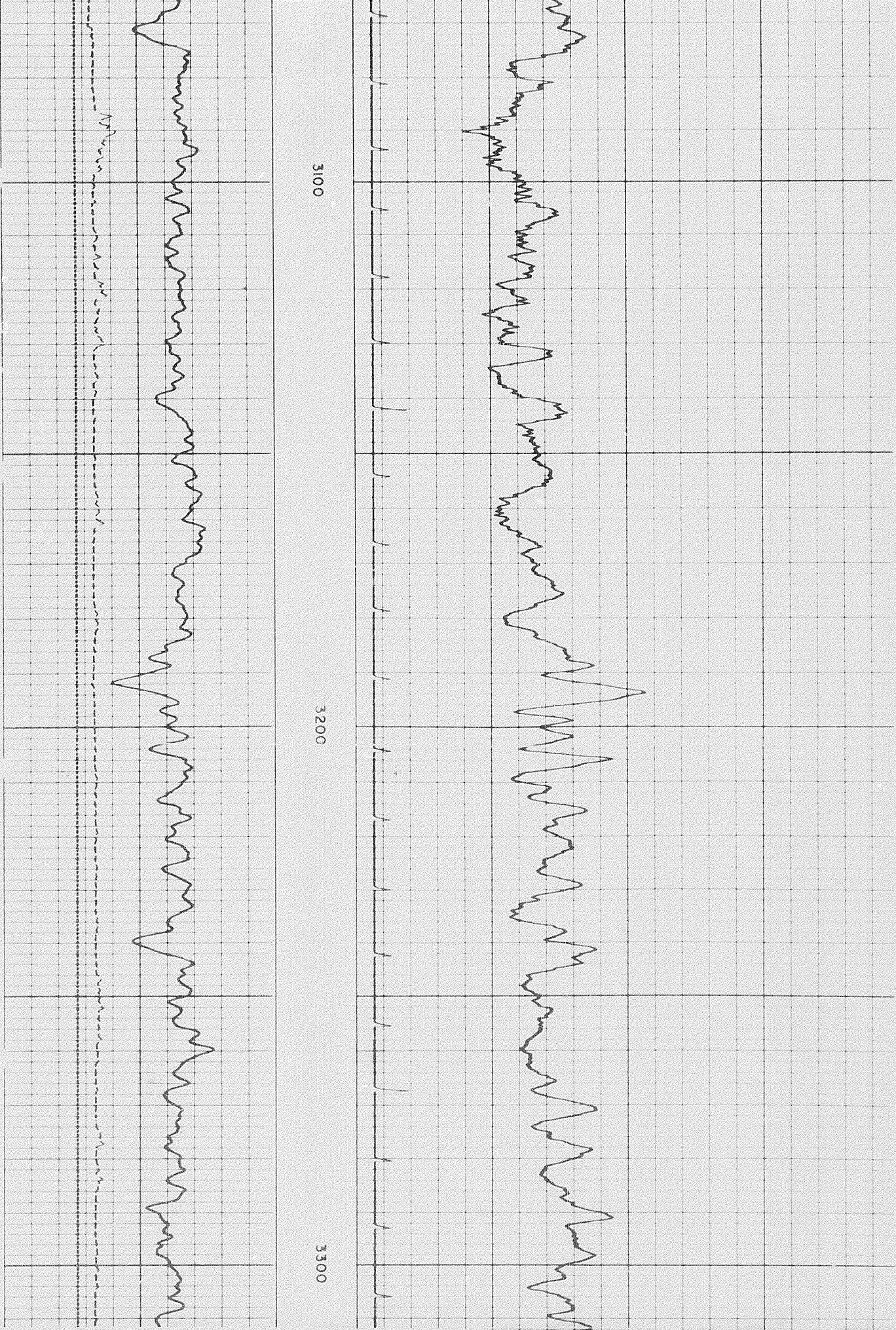


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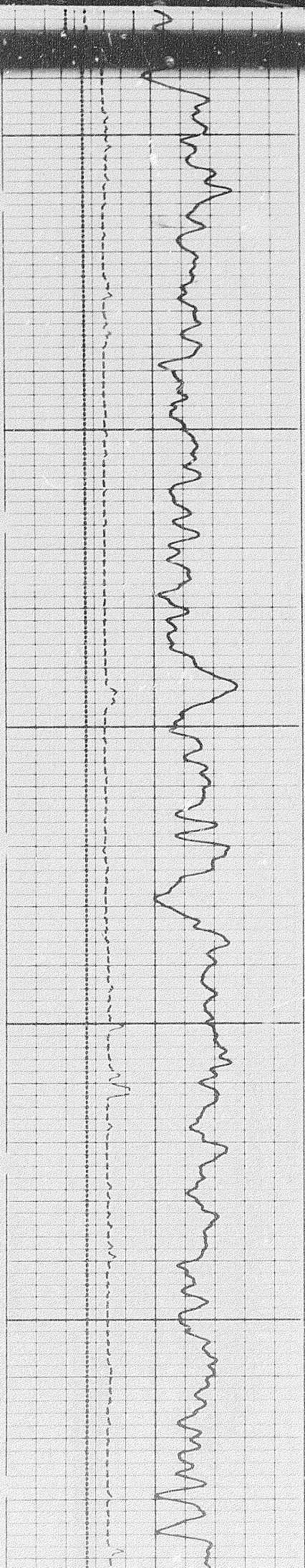
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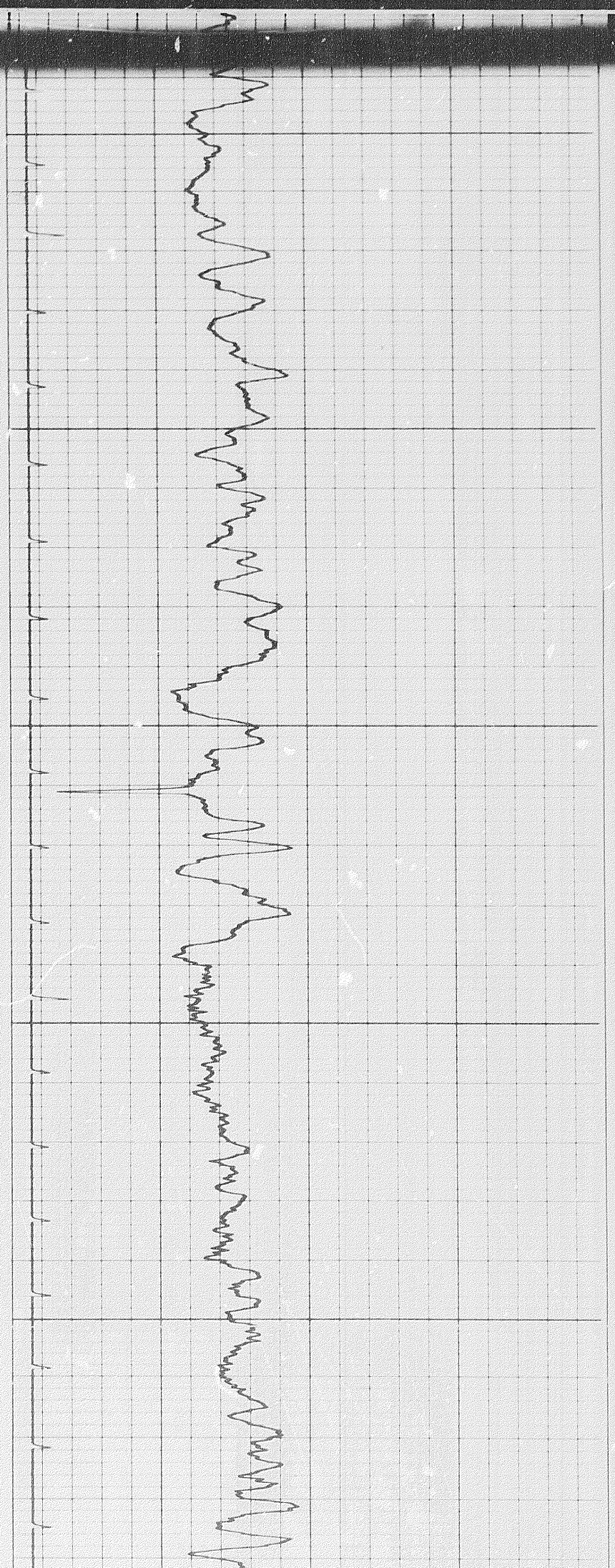


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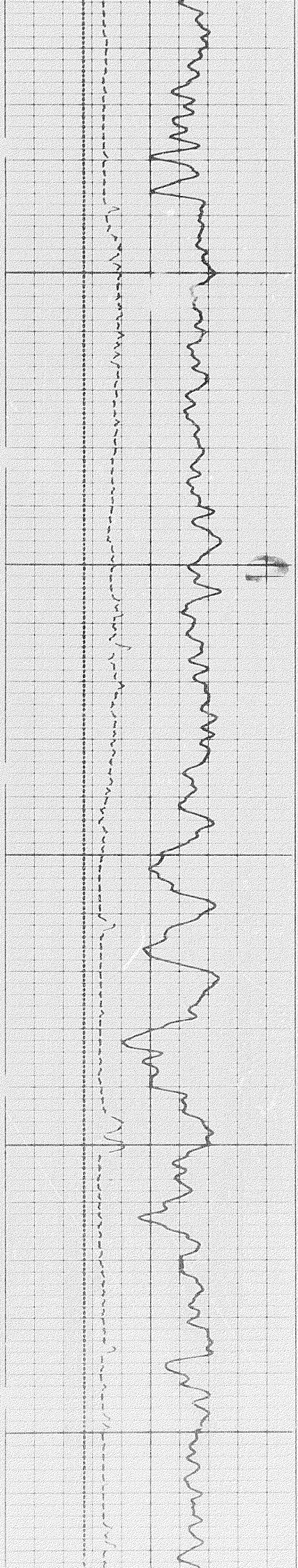
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3400





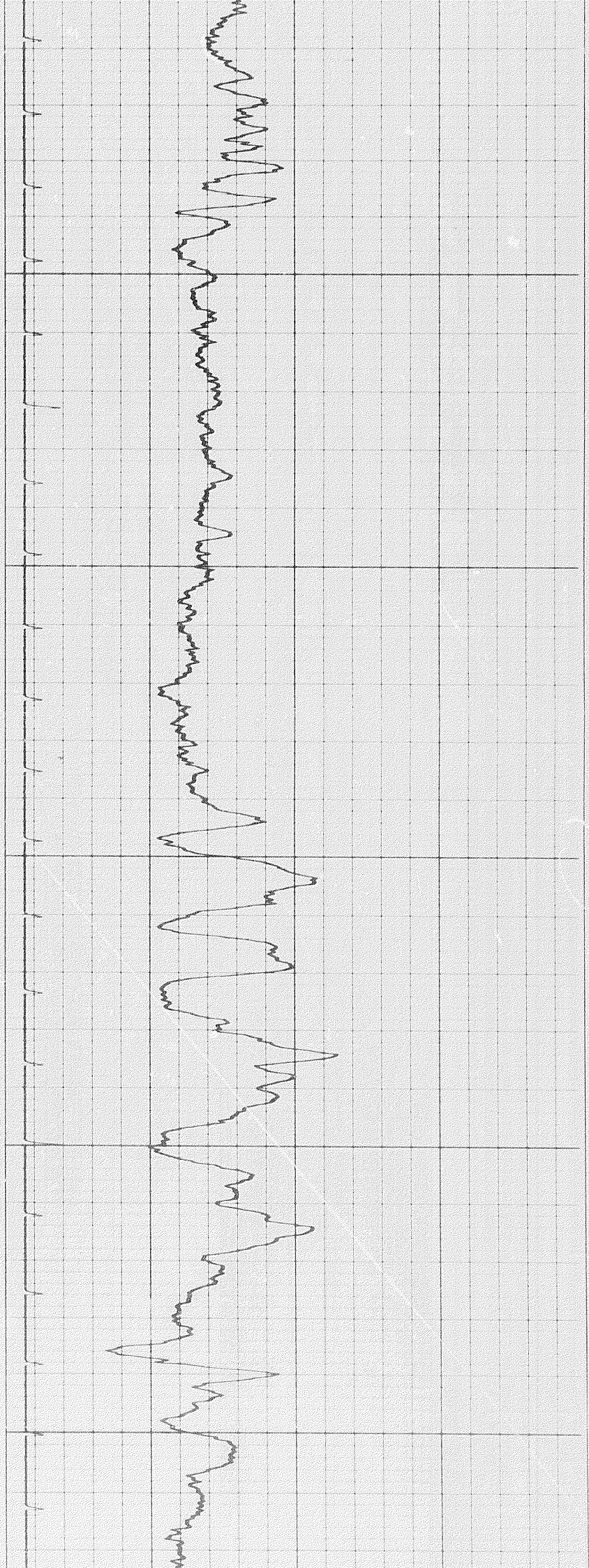
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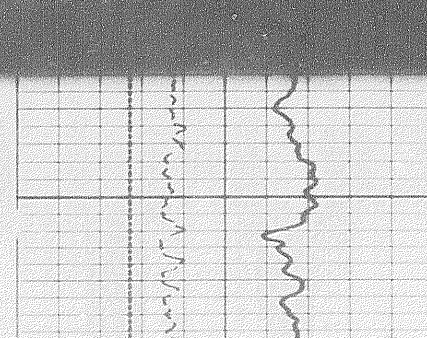
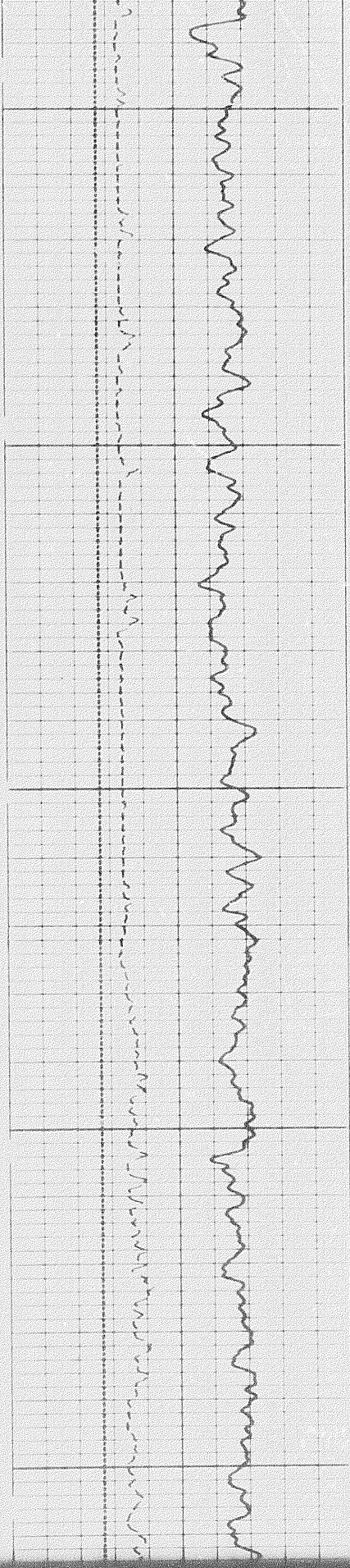
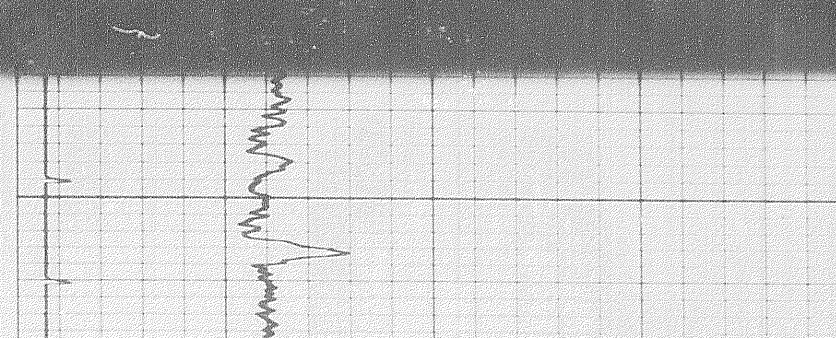
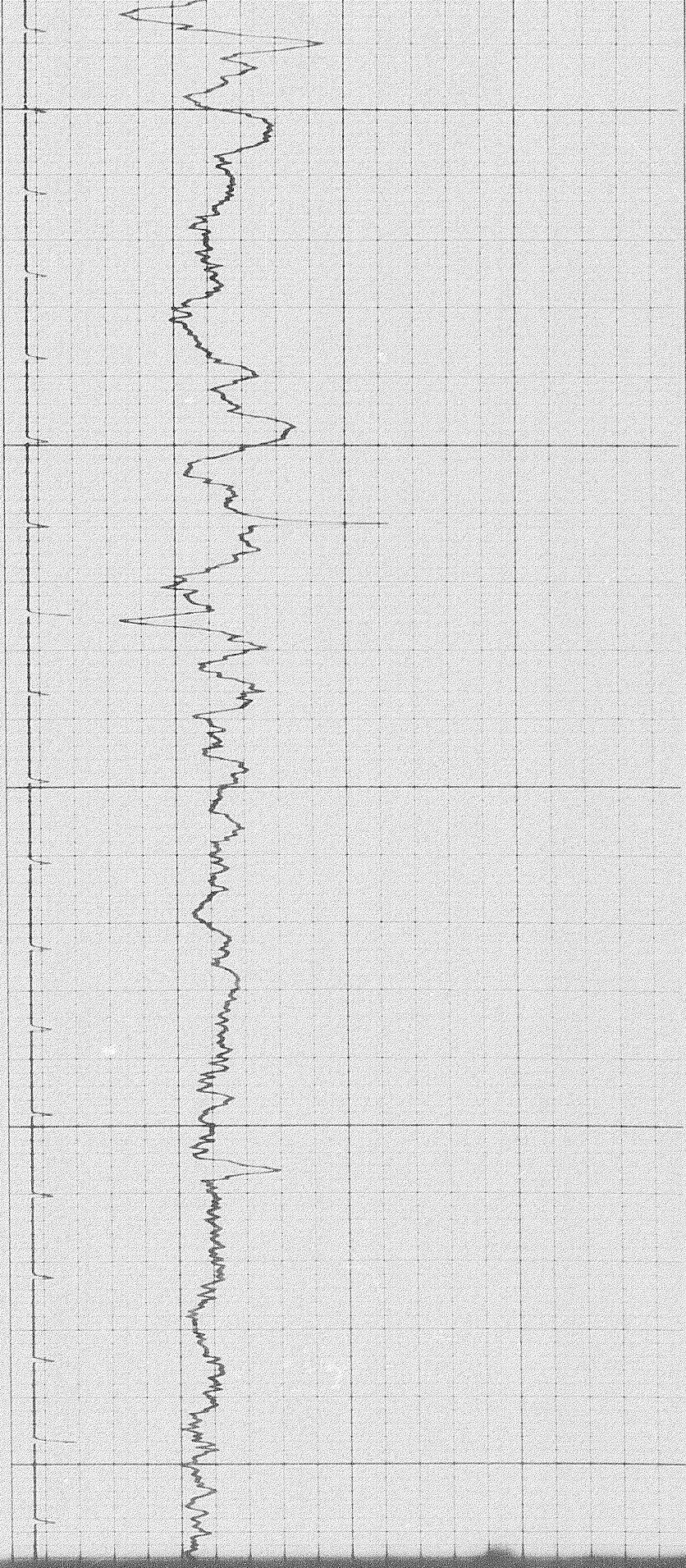


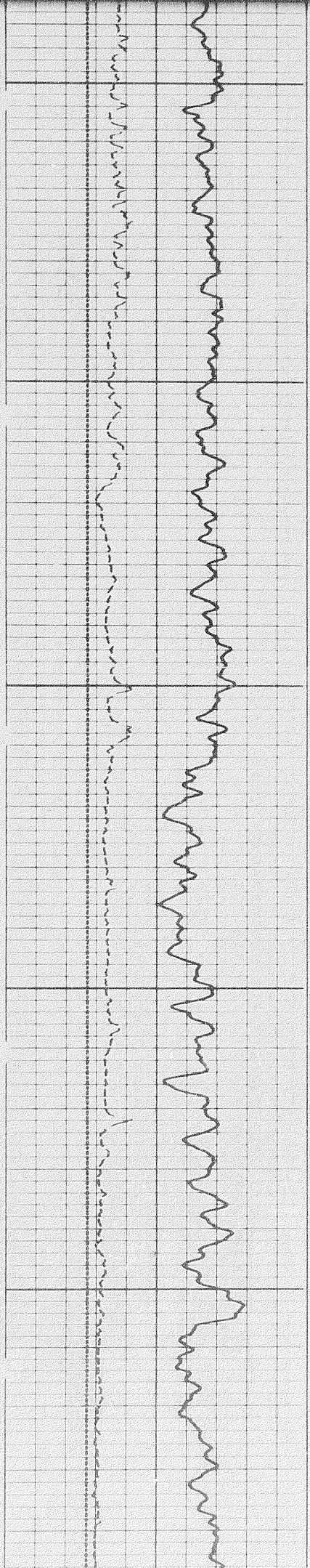
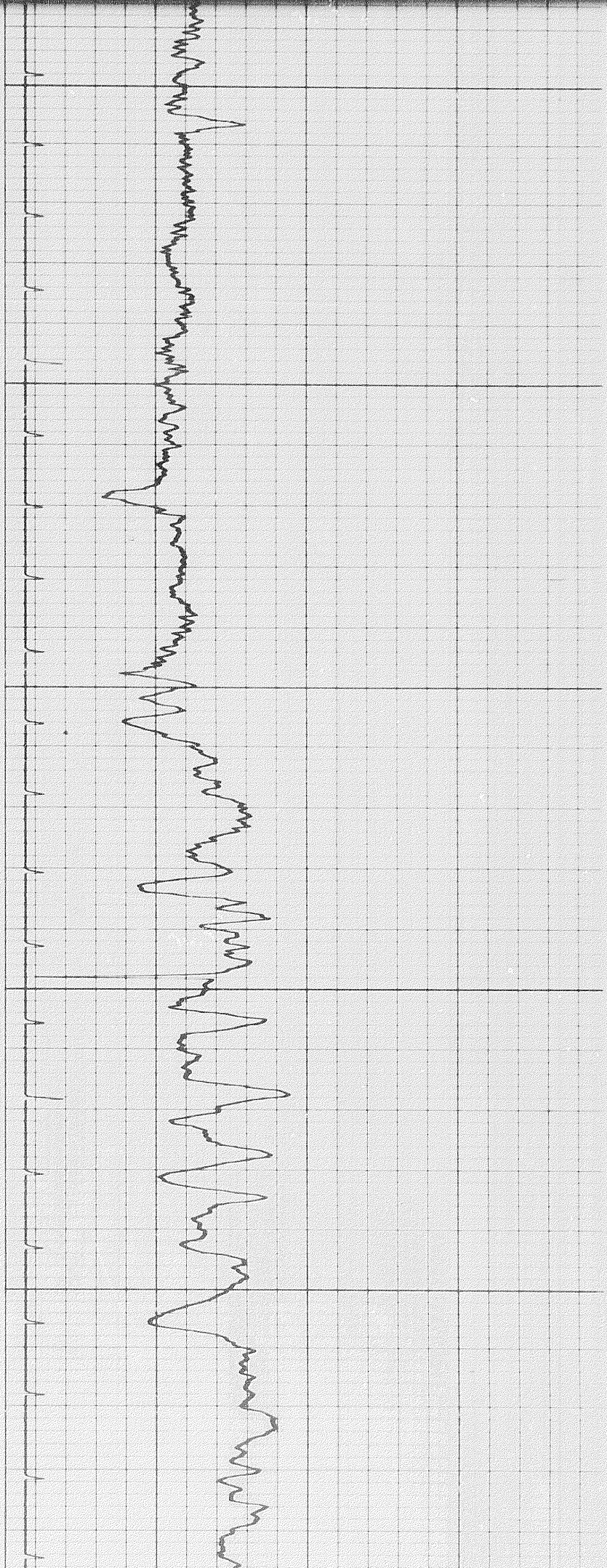
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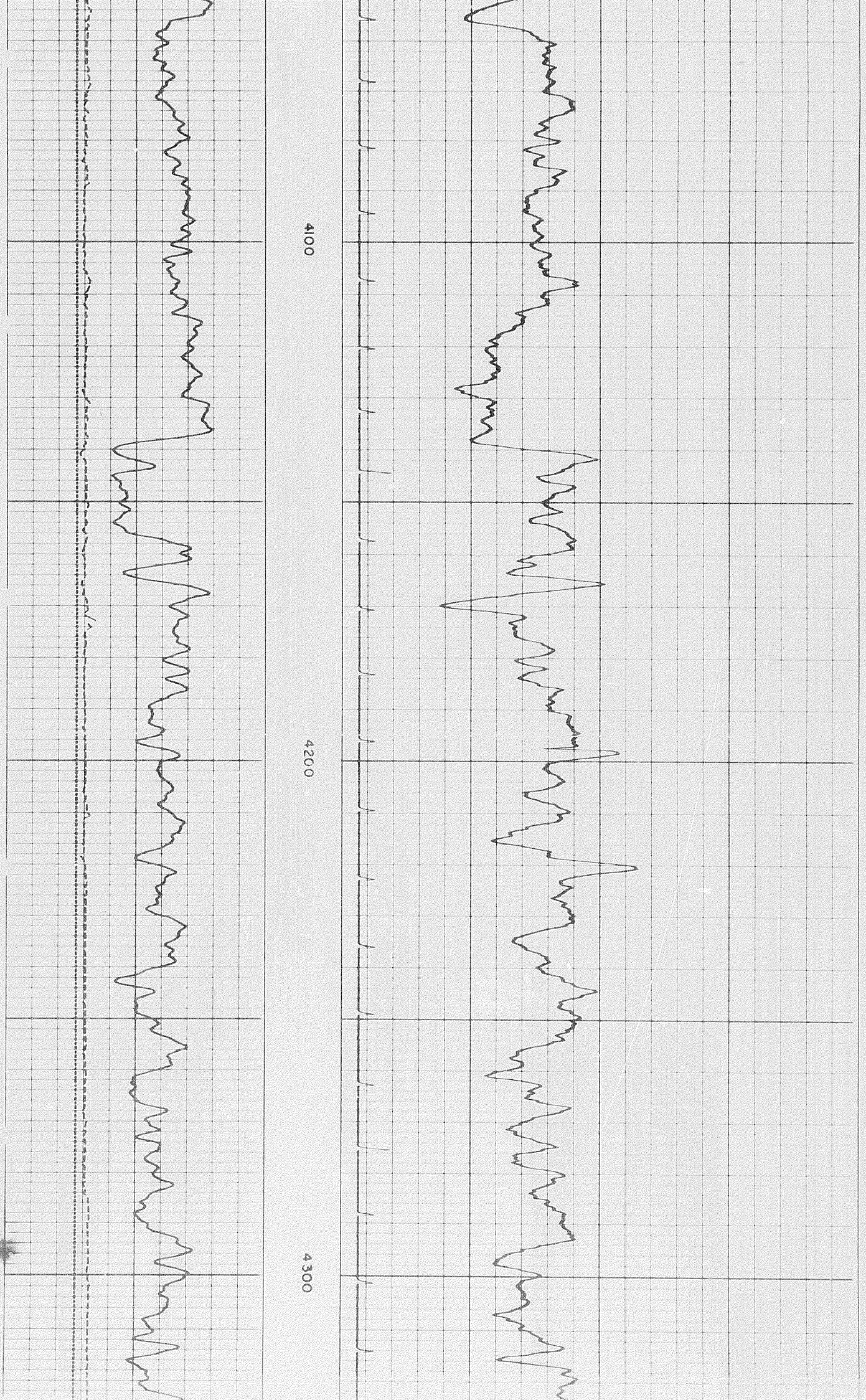


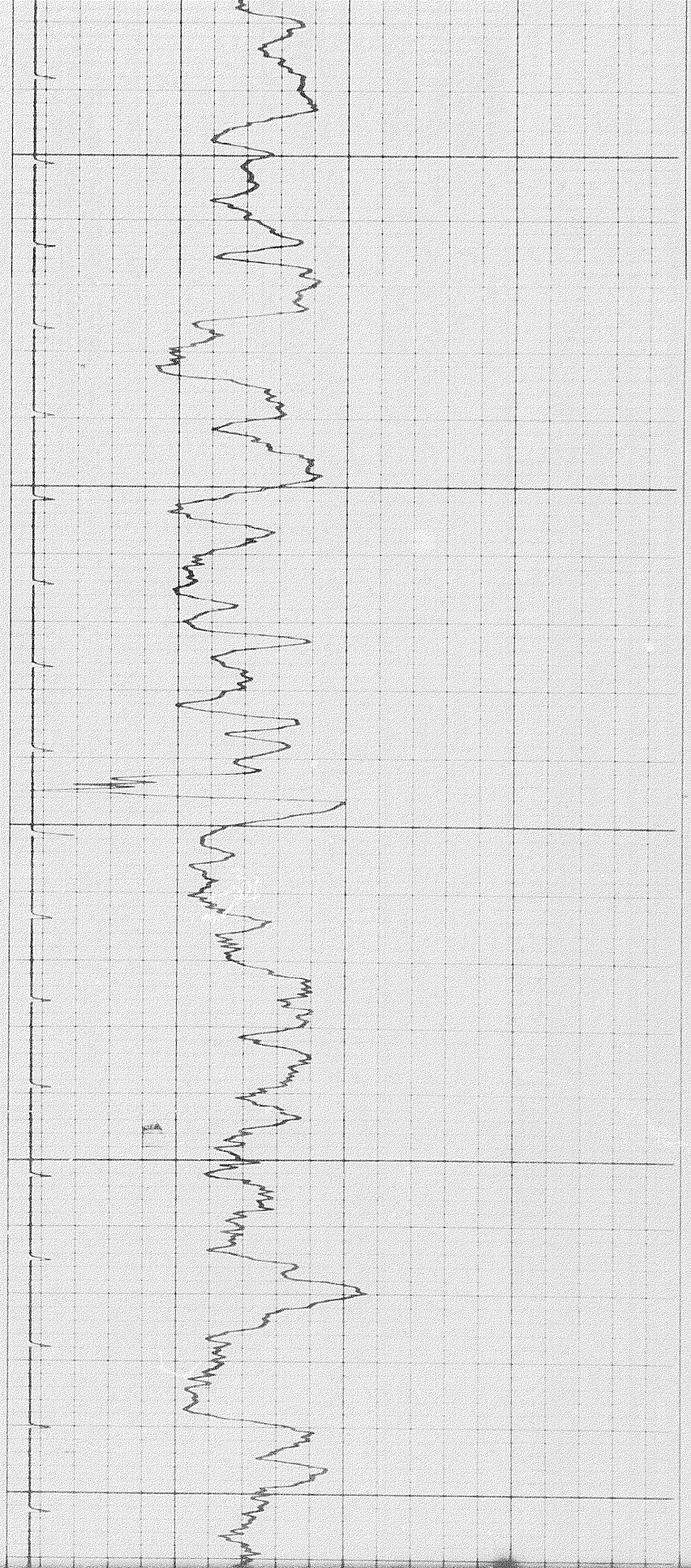




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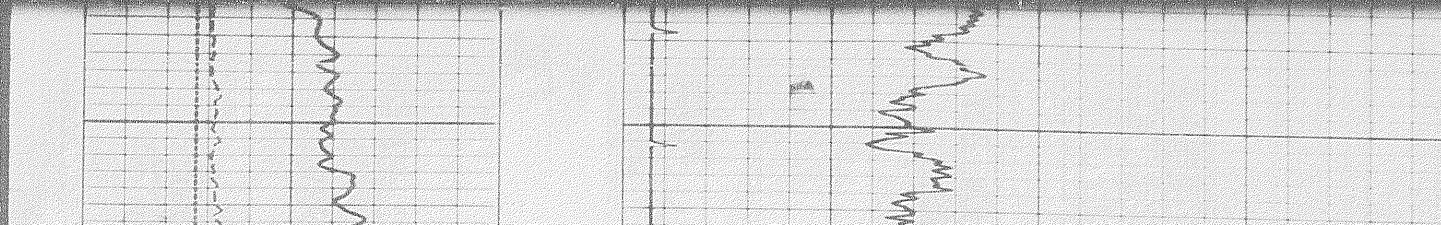
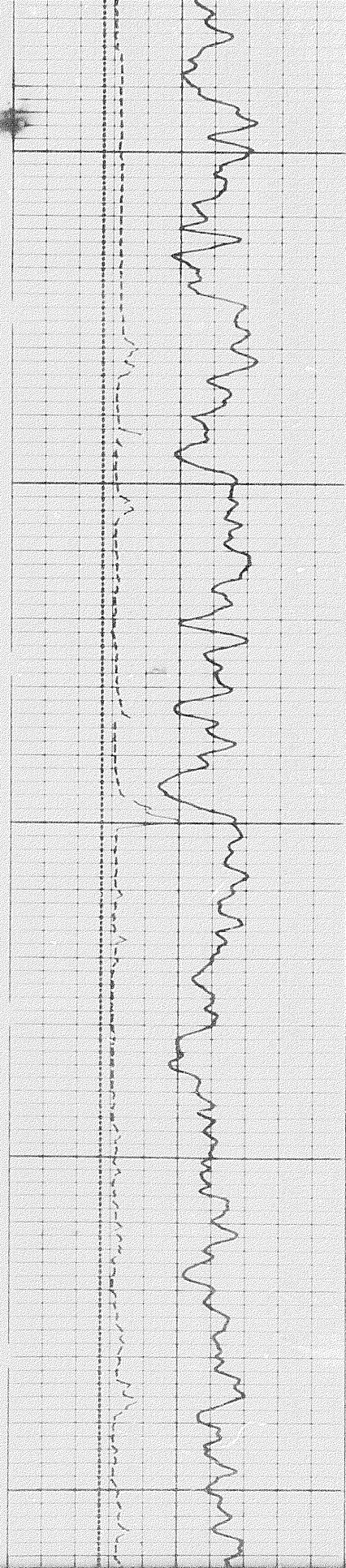




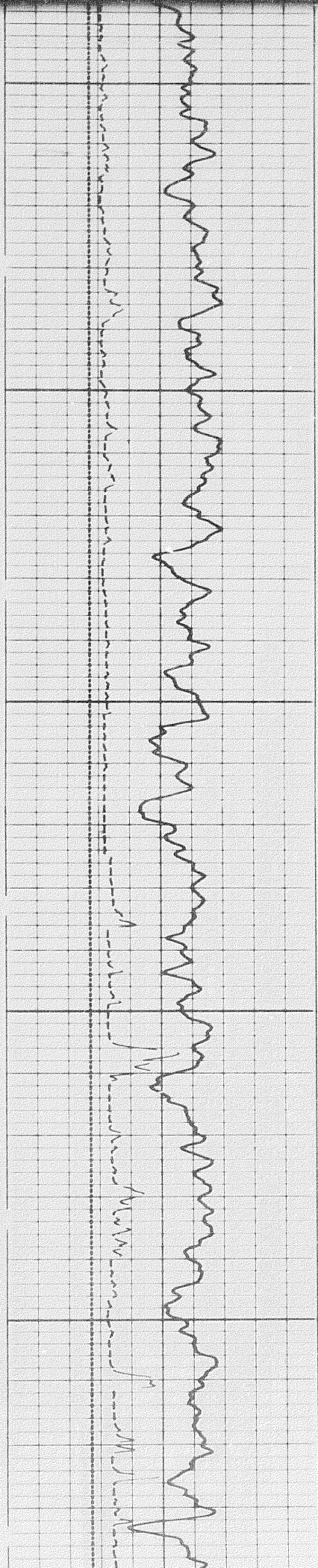
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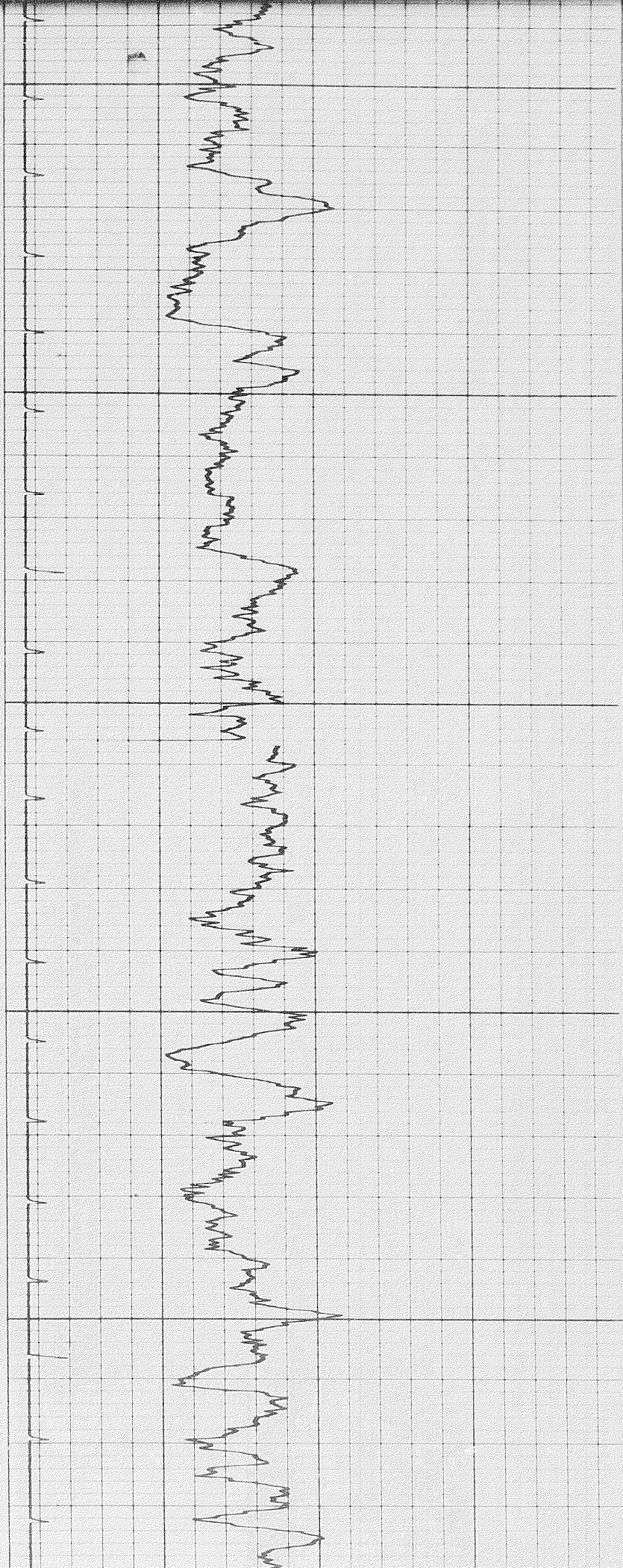


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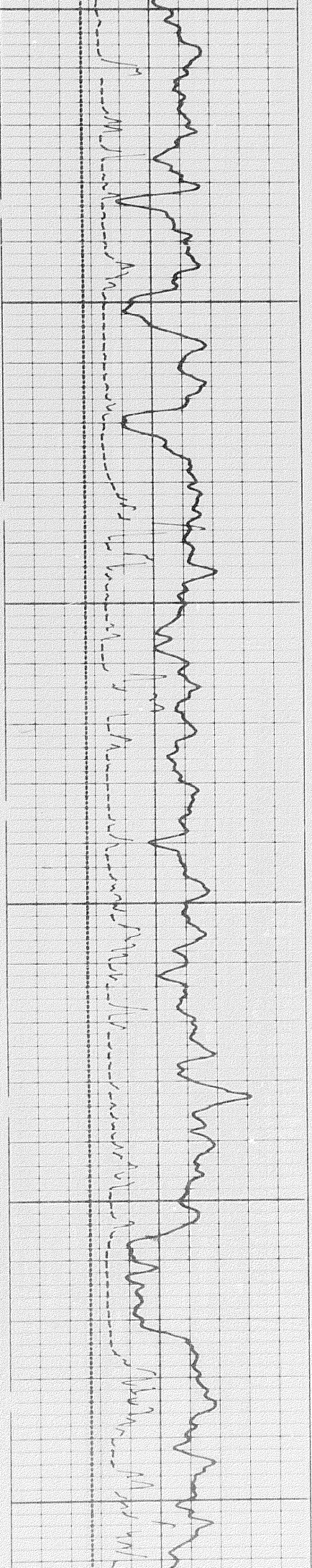


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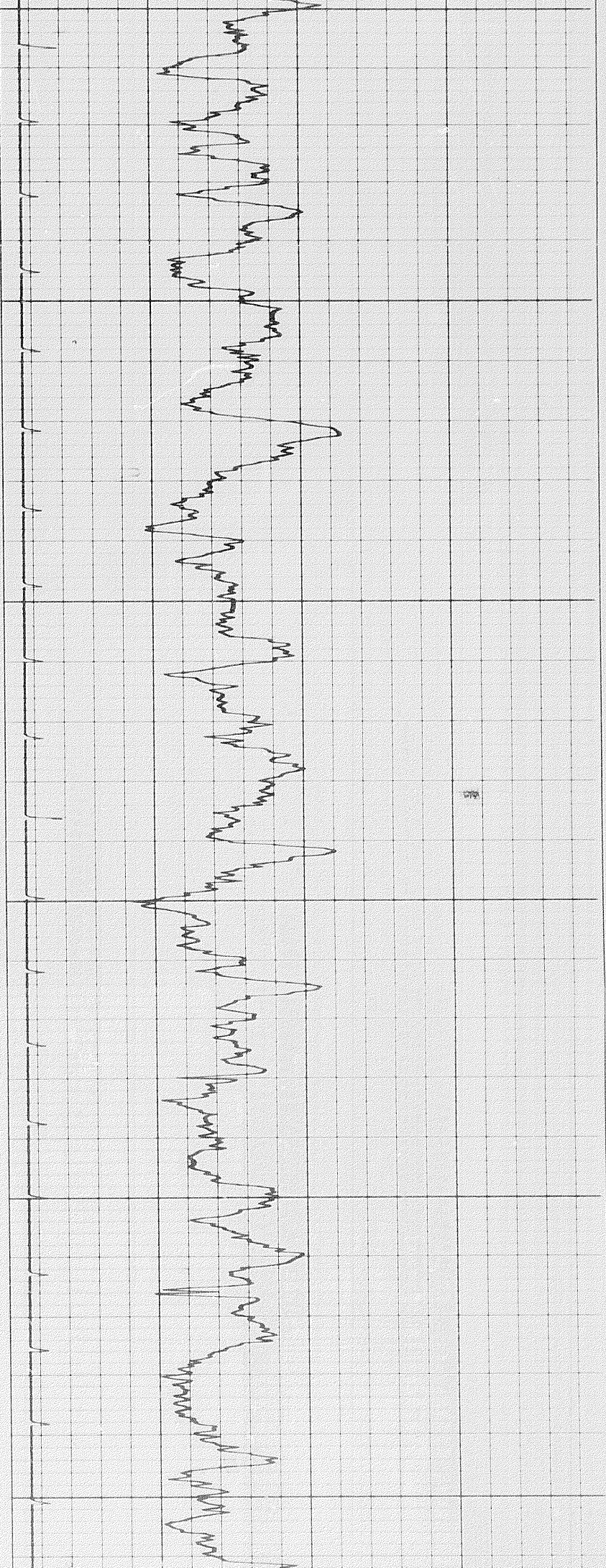
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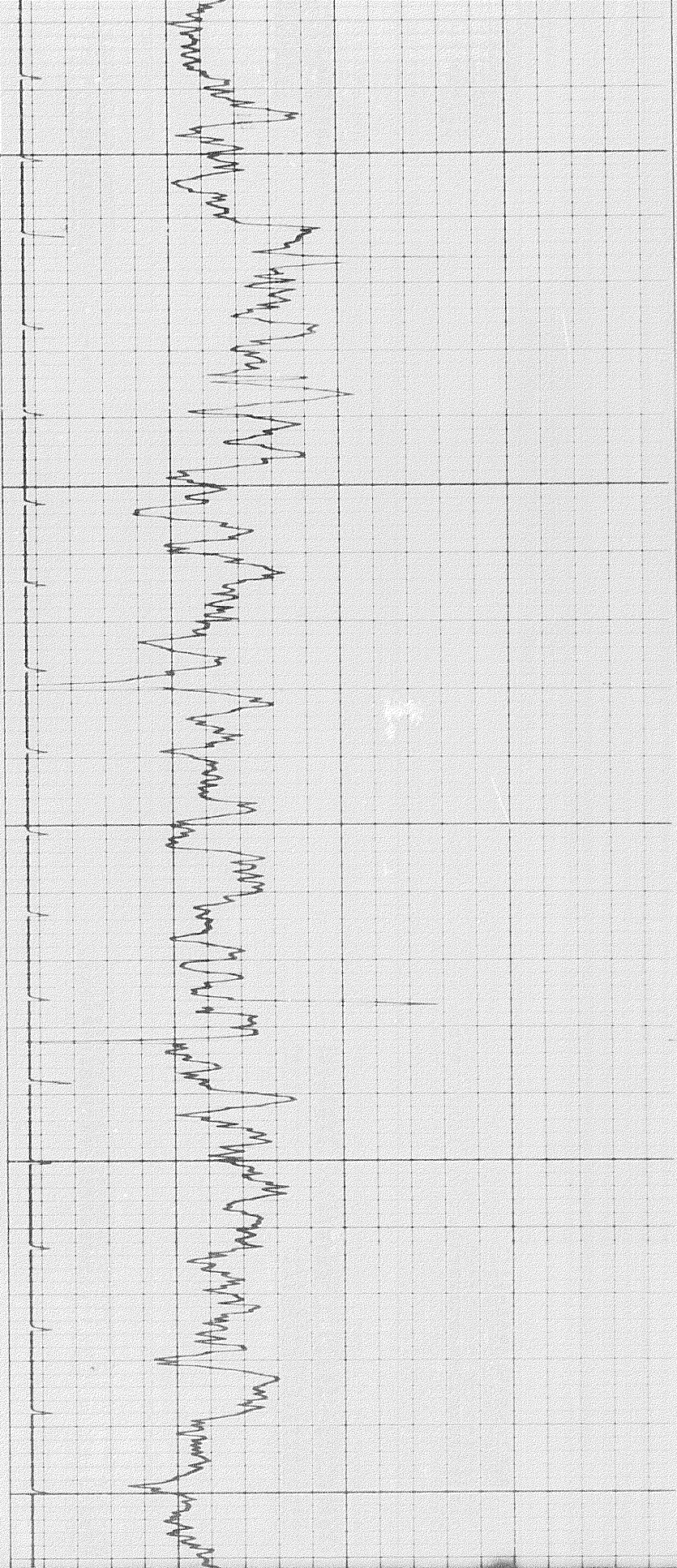


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4800

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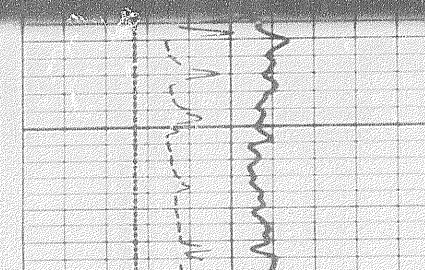
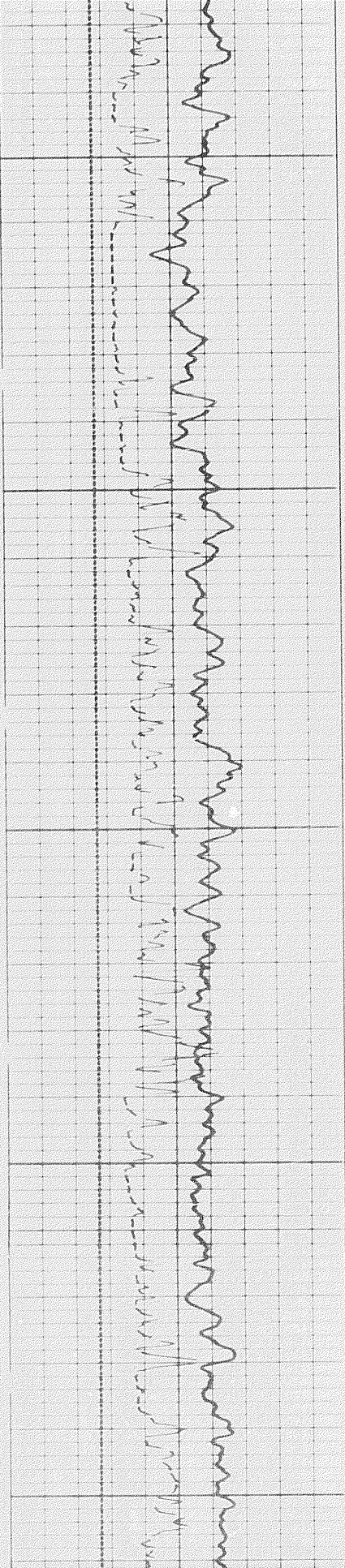




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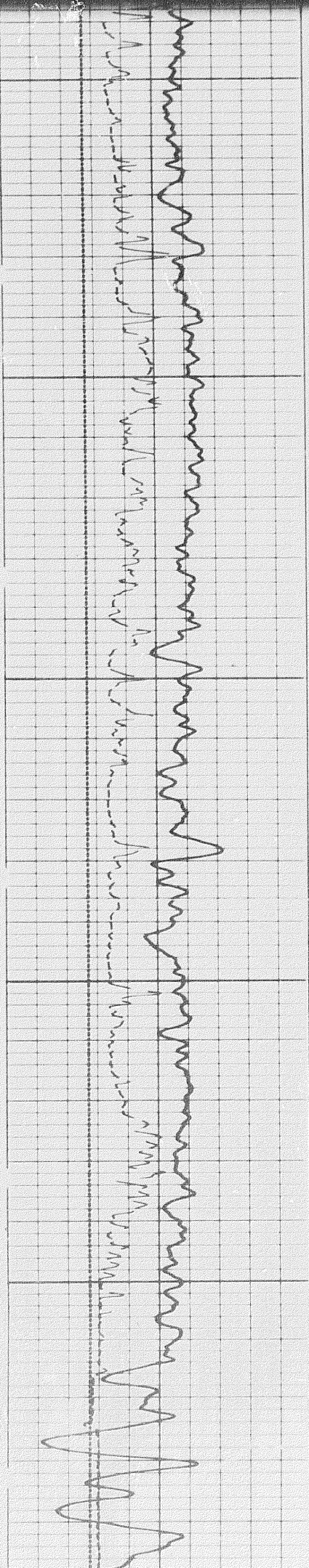
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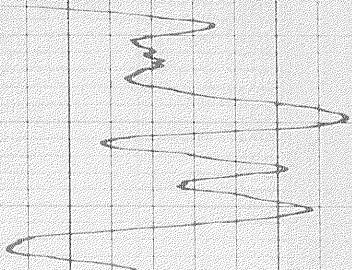
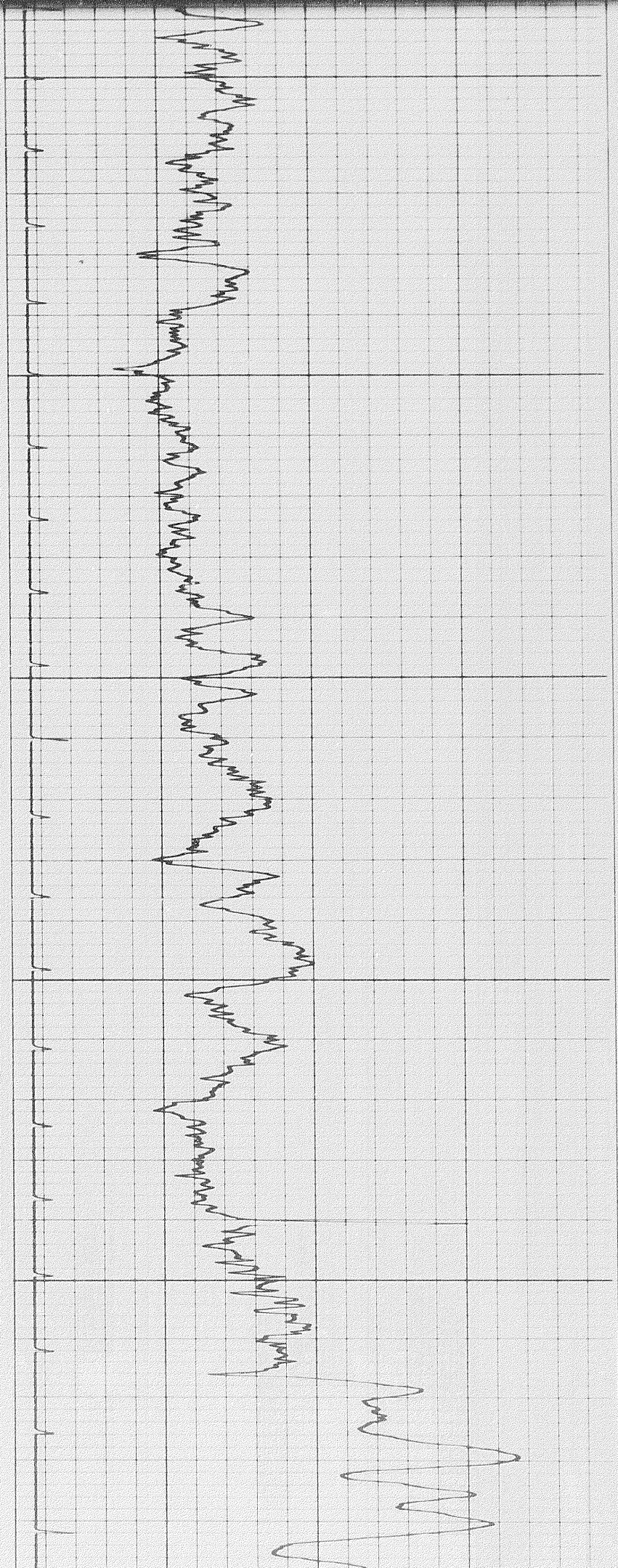
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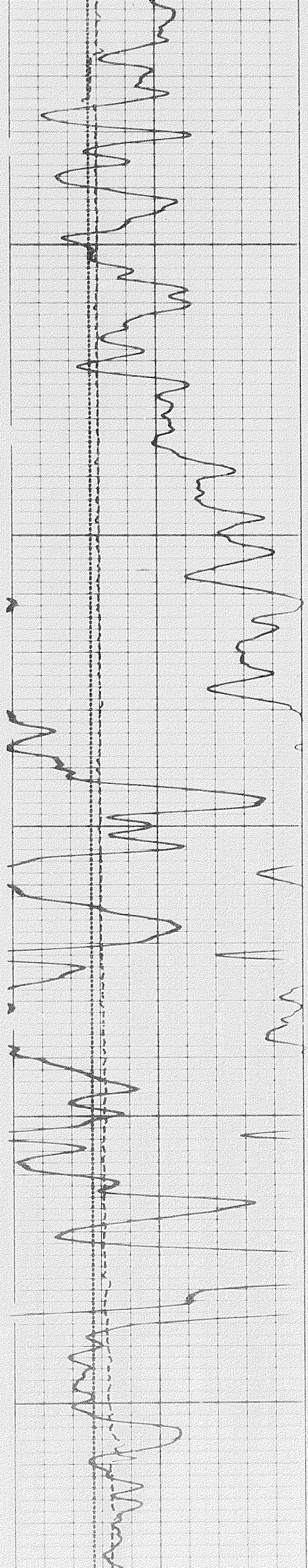
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5200

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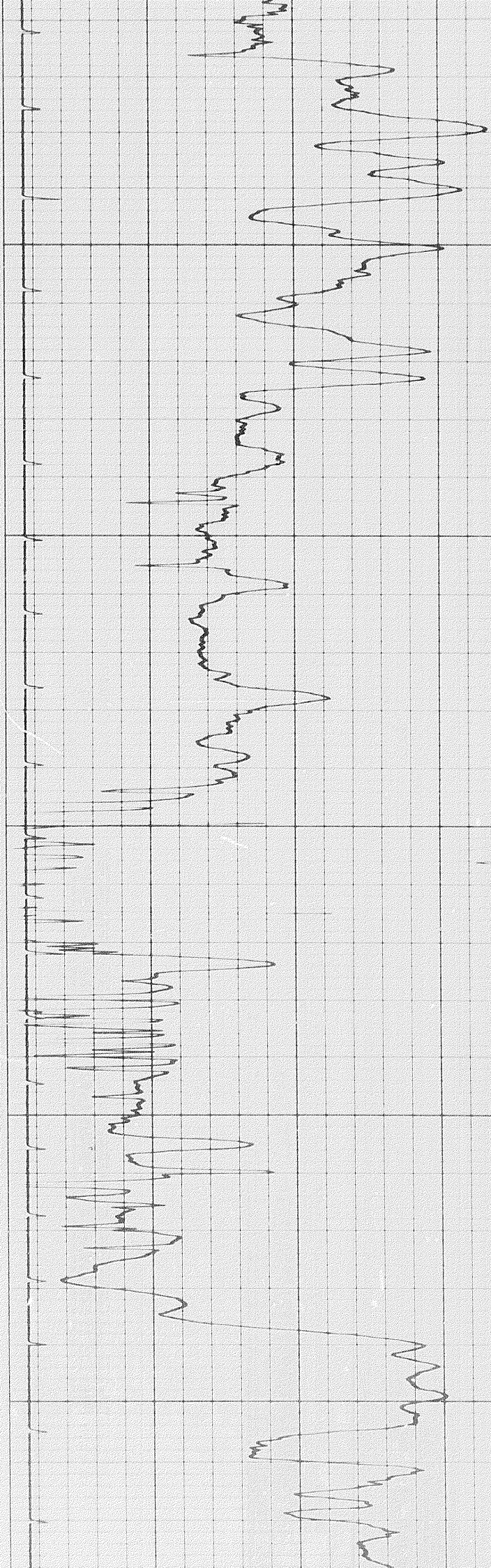
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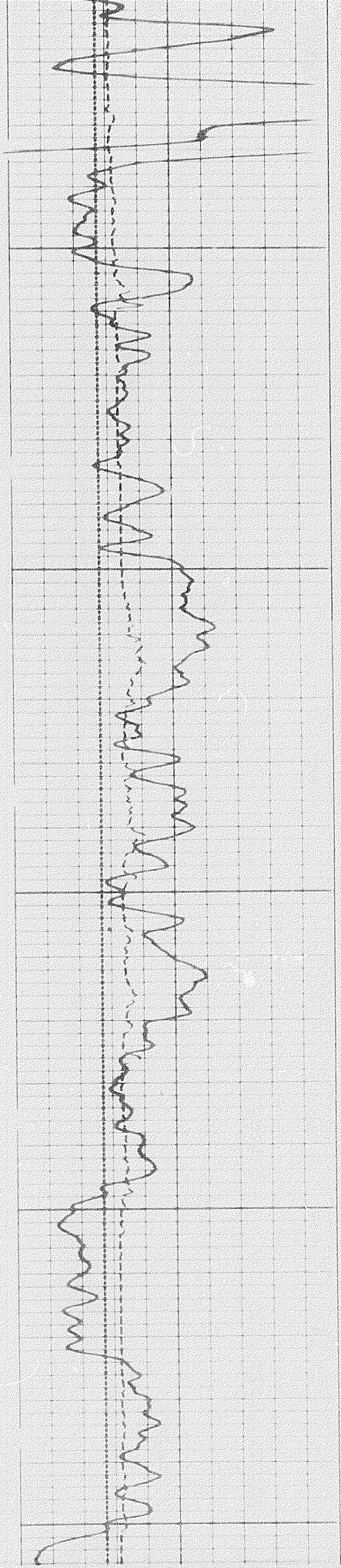
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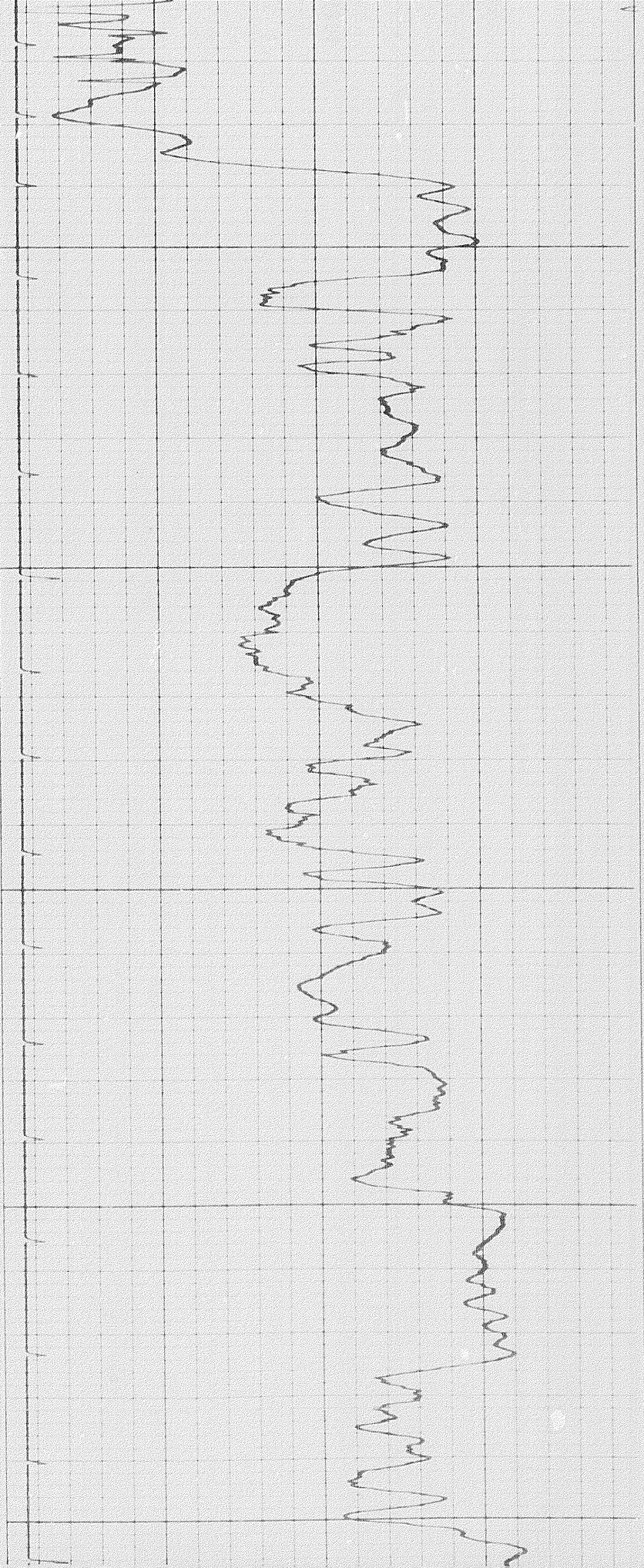
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11/11/11  
11/11/11



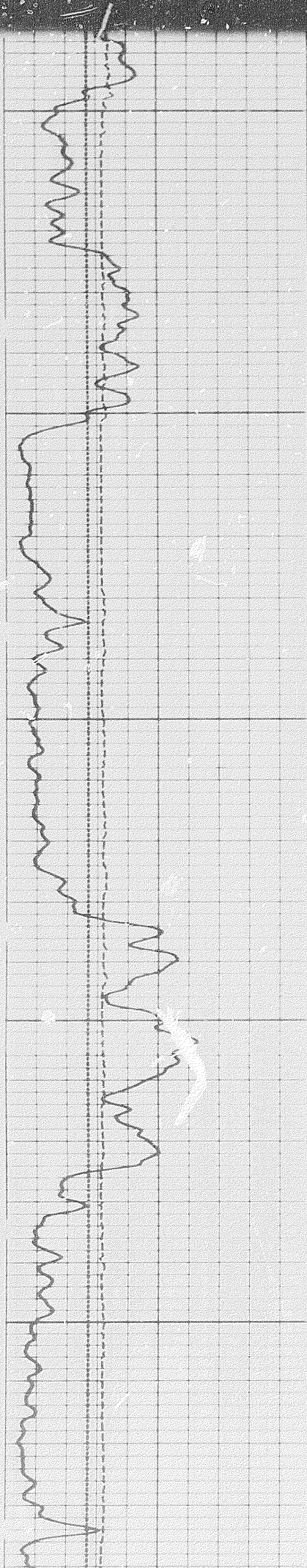
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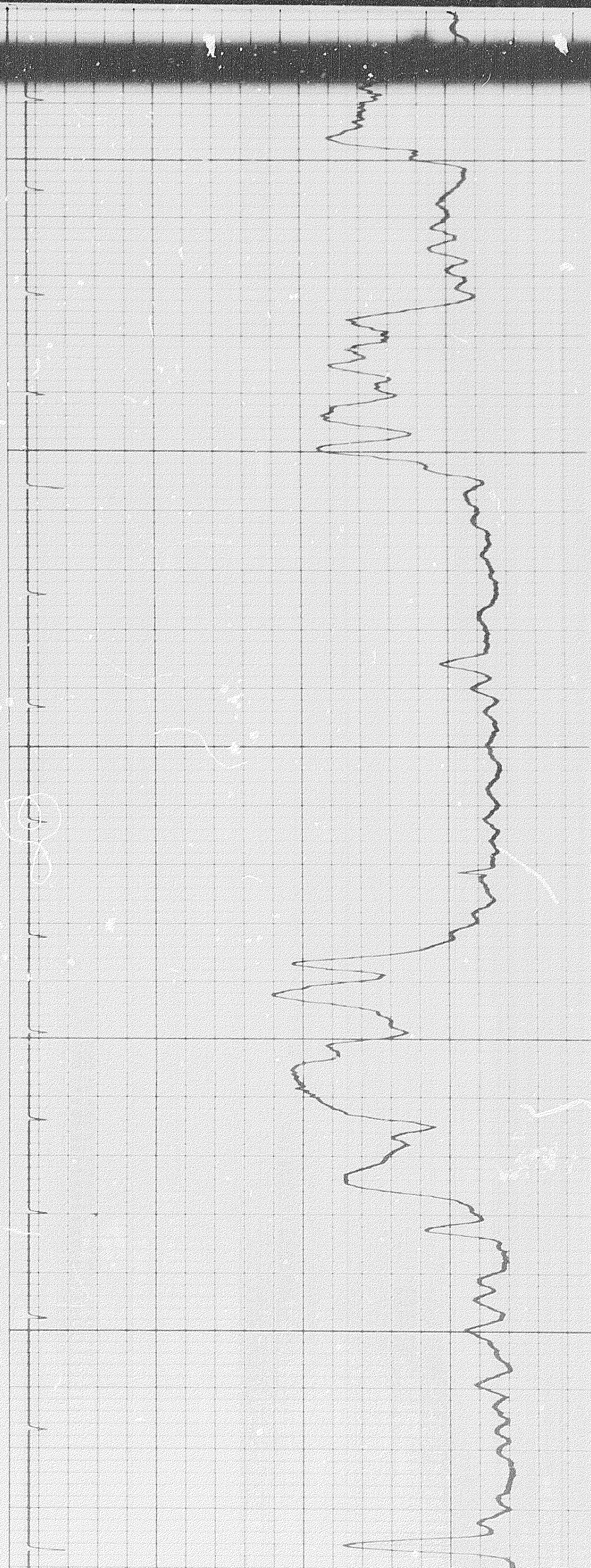


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5700

5800



708

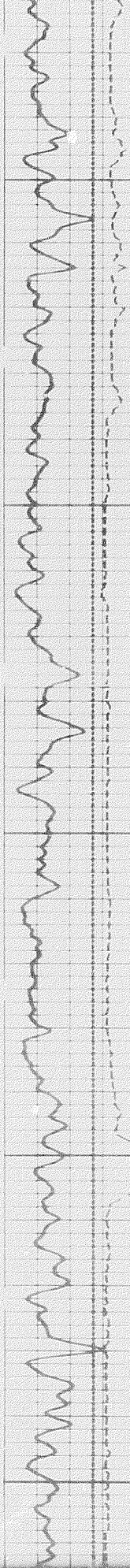




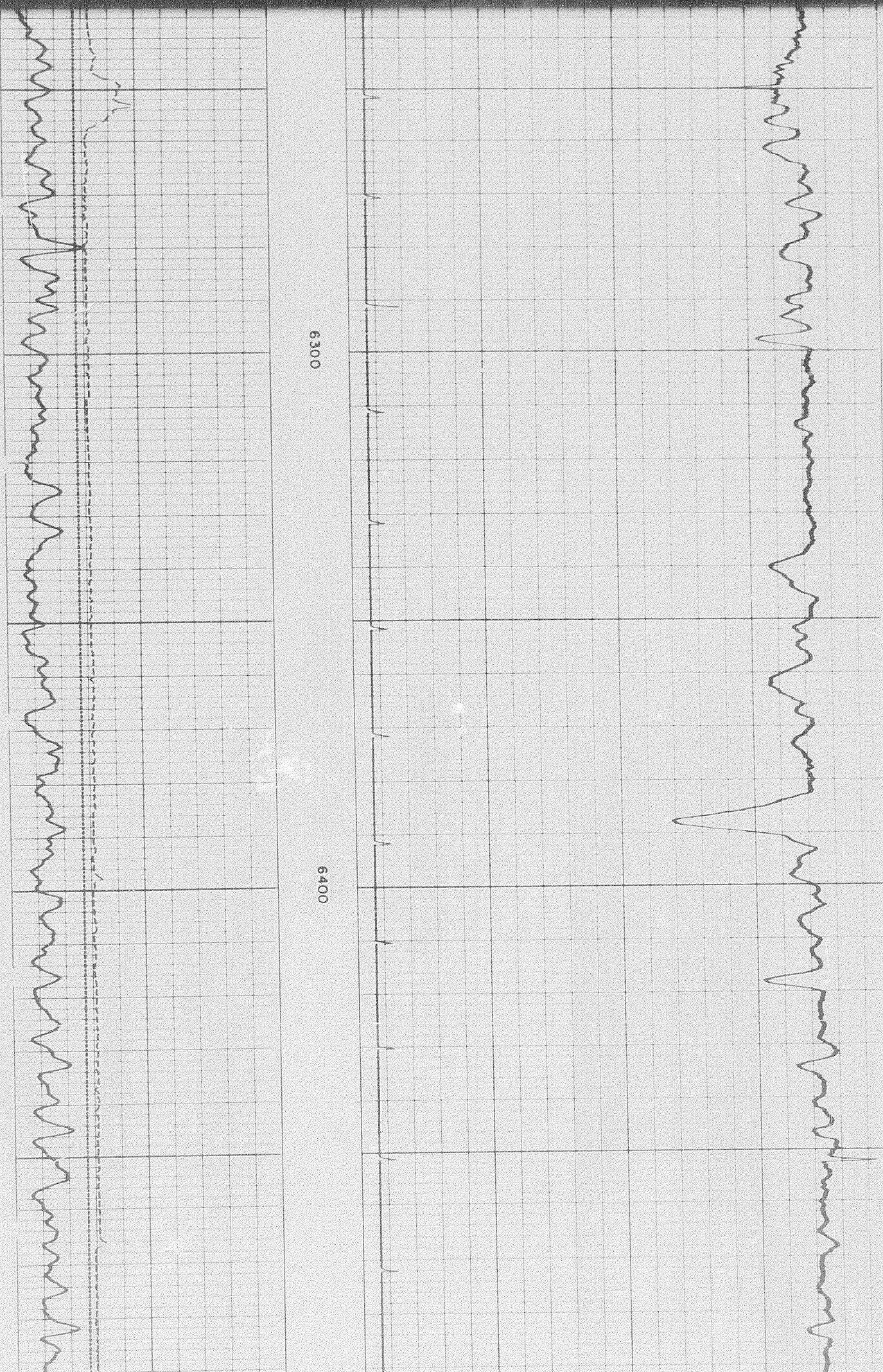
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6300



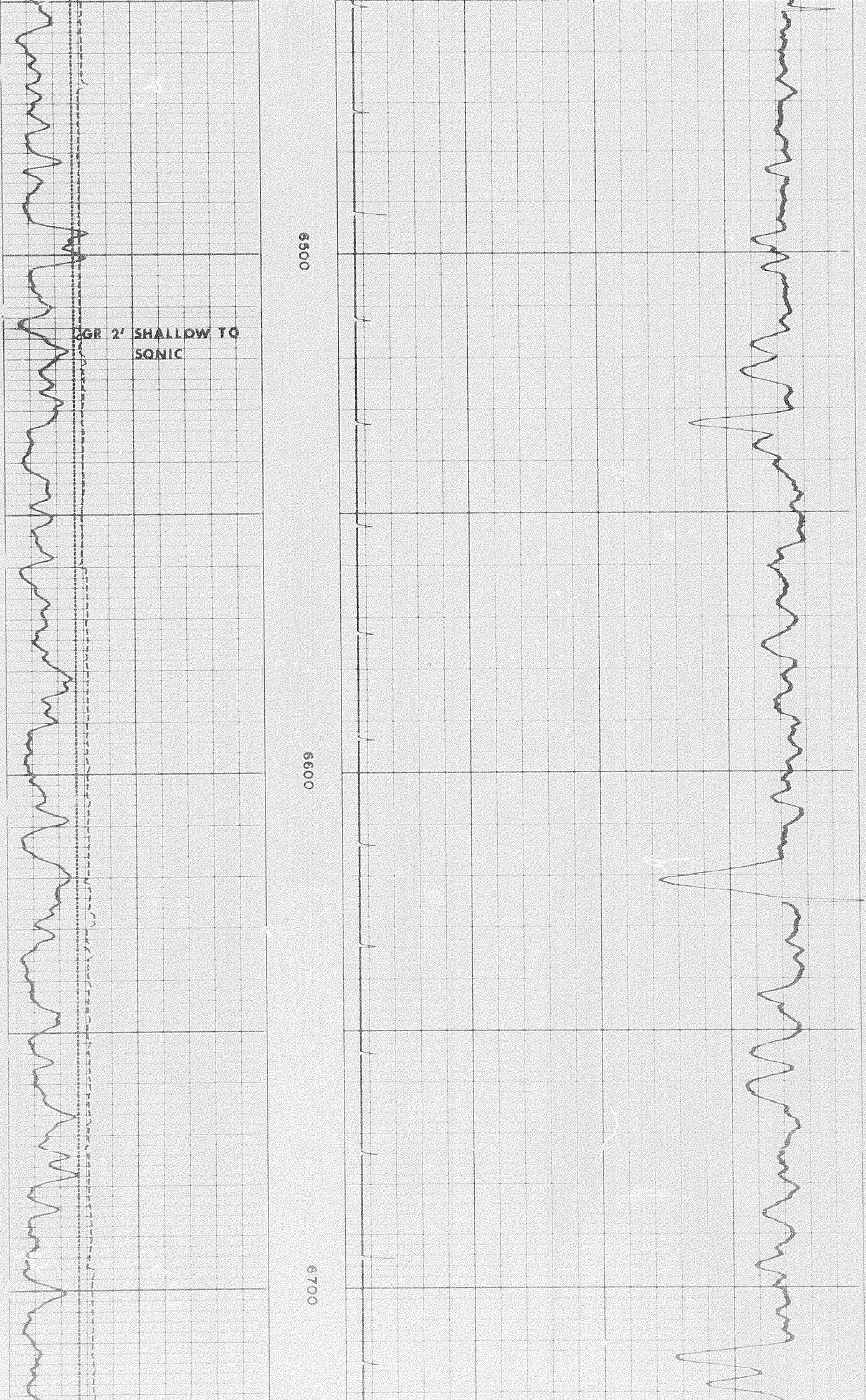
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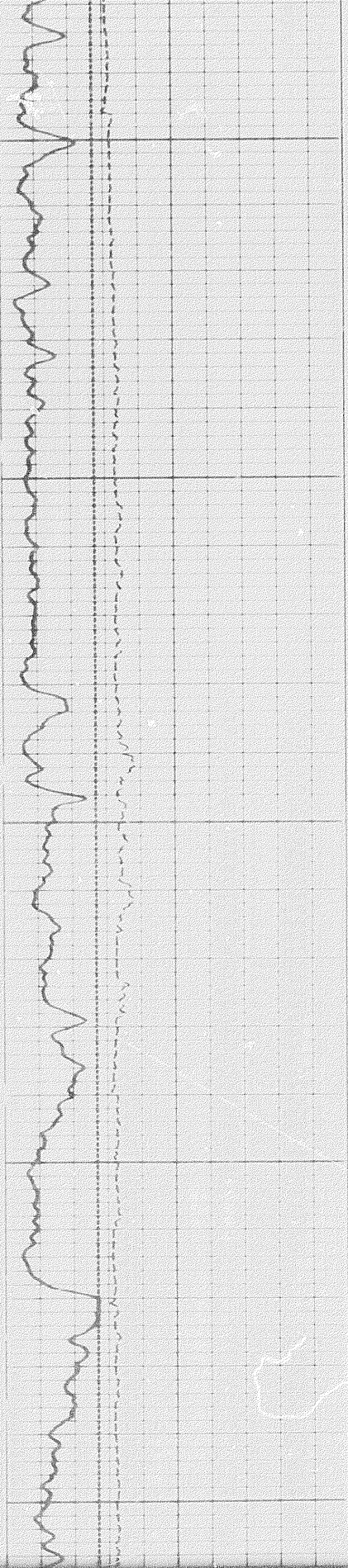
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6400

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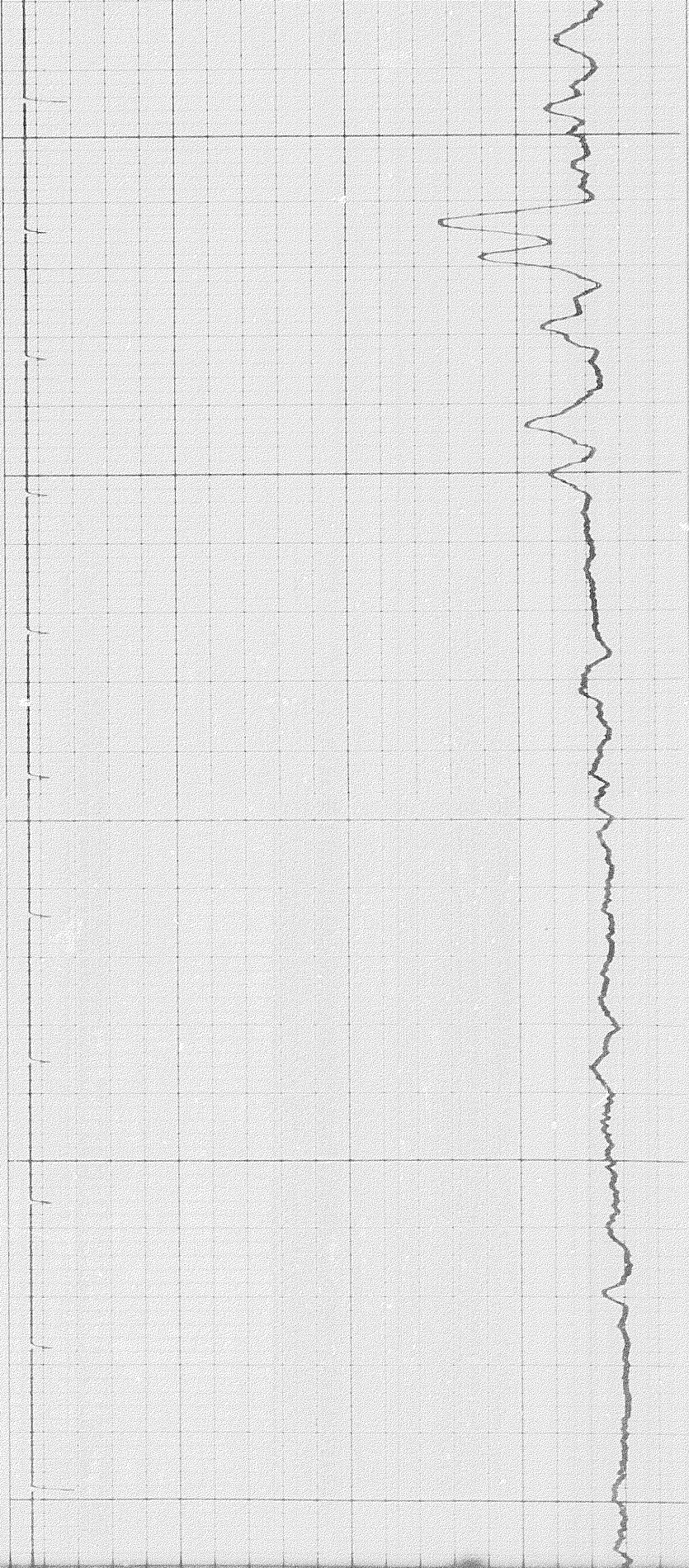




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6800

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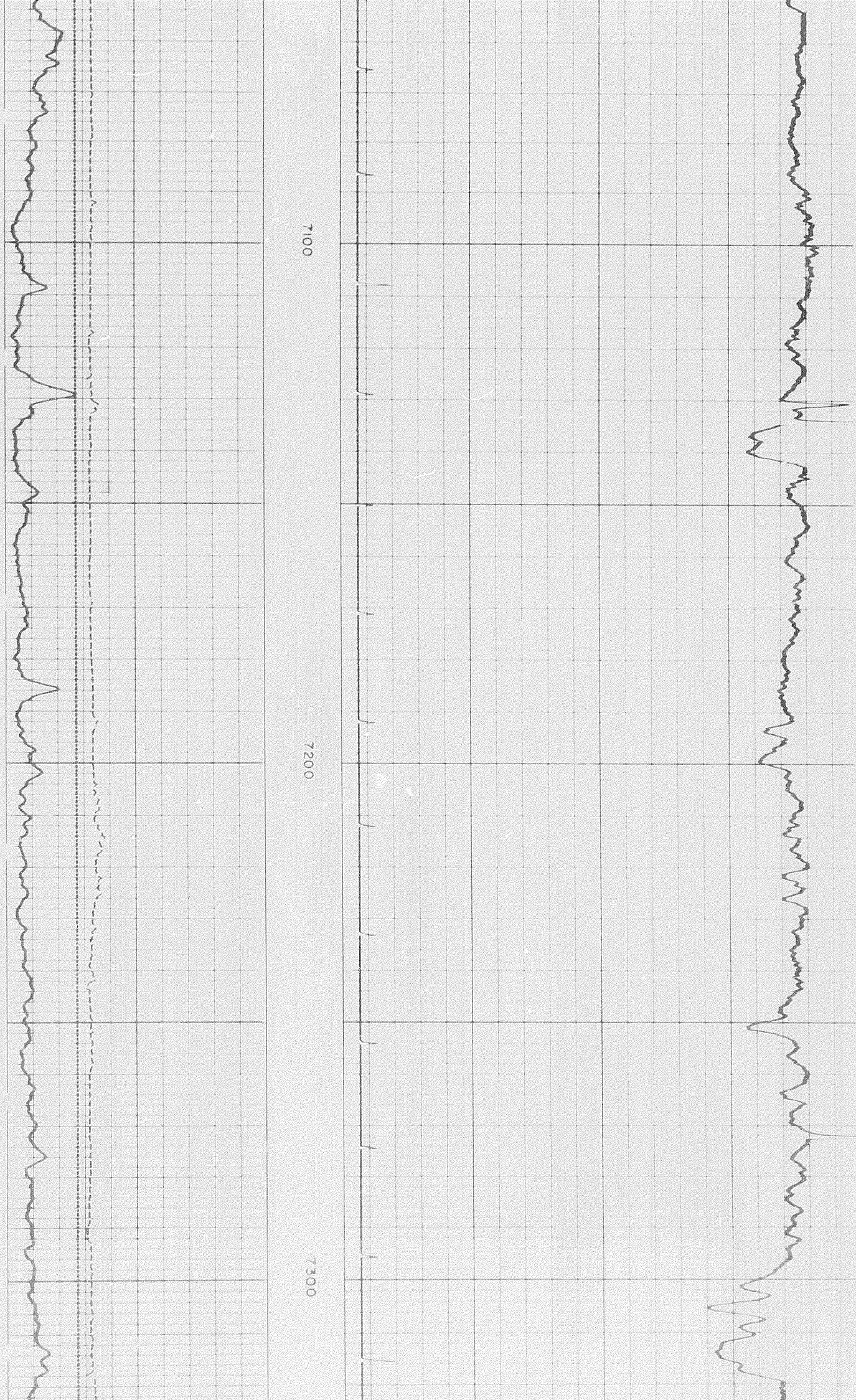
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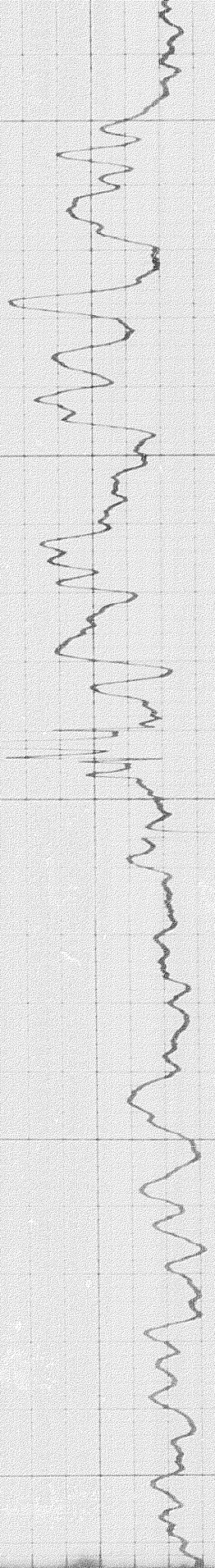
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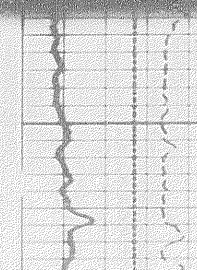
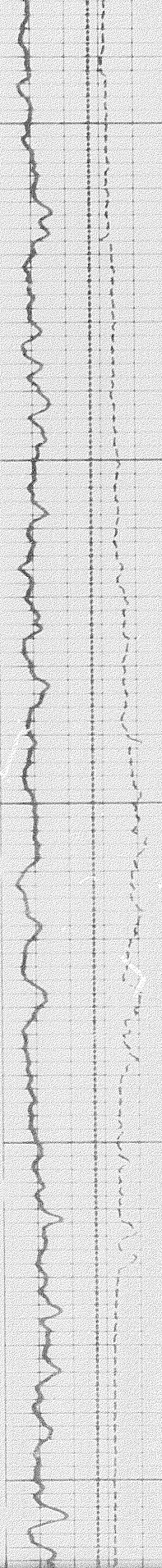
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7300

7400

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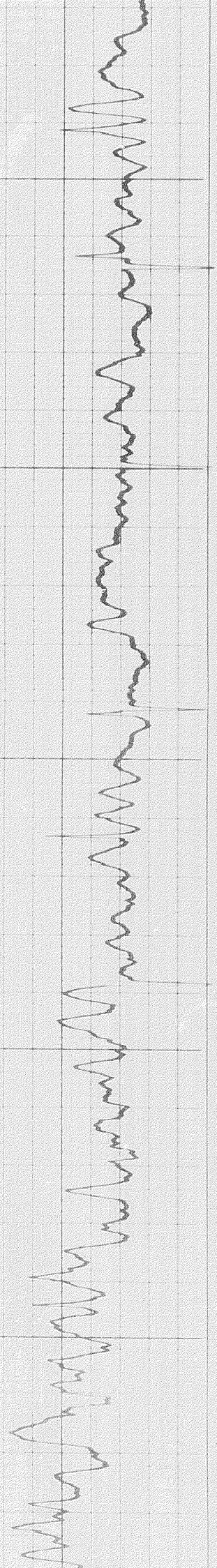
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7500

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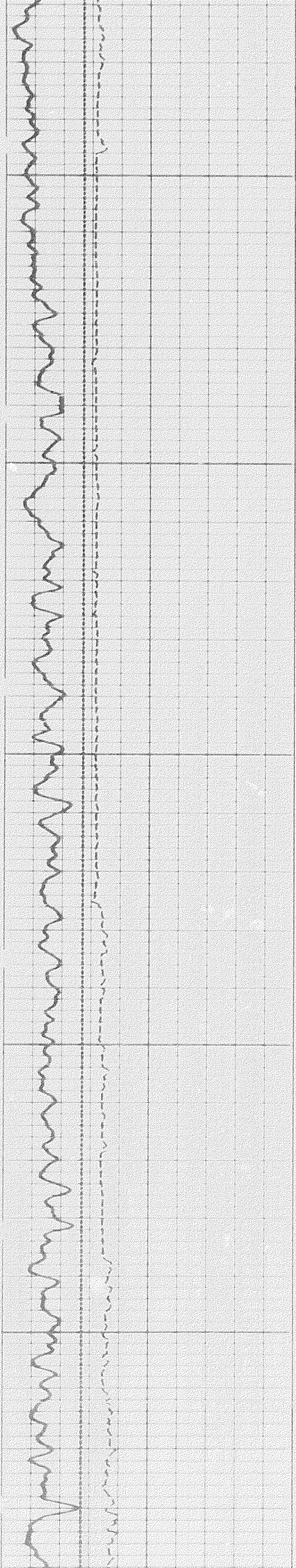
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7700

7800

7900



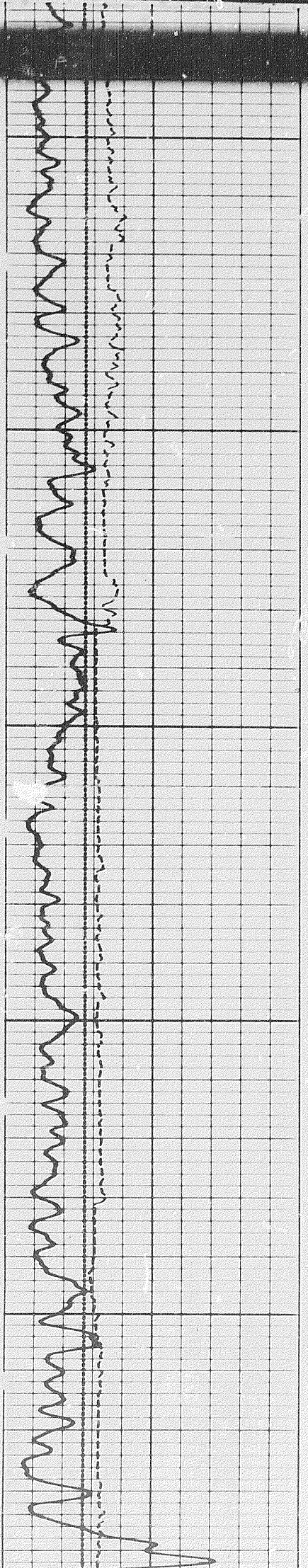


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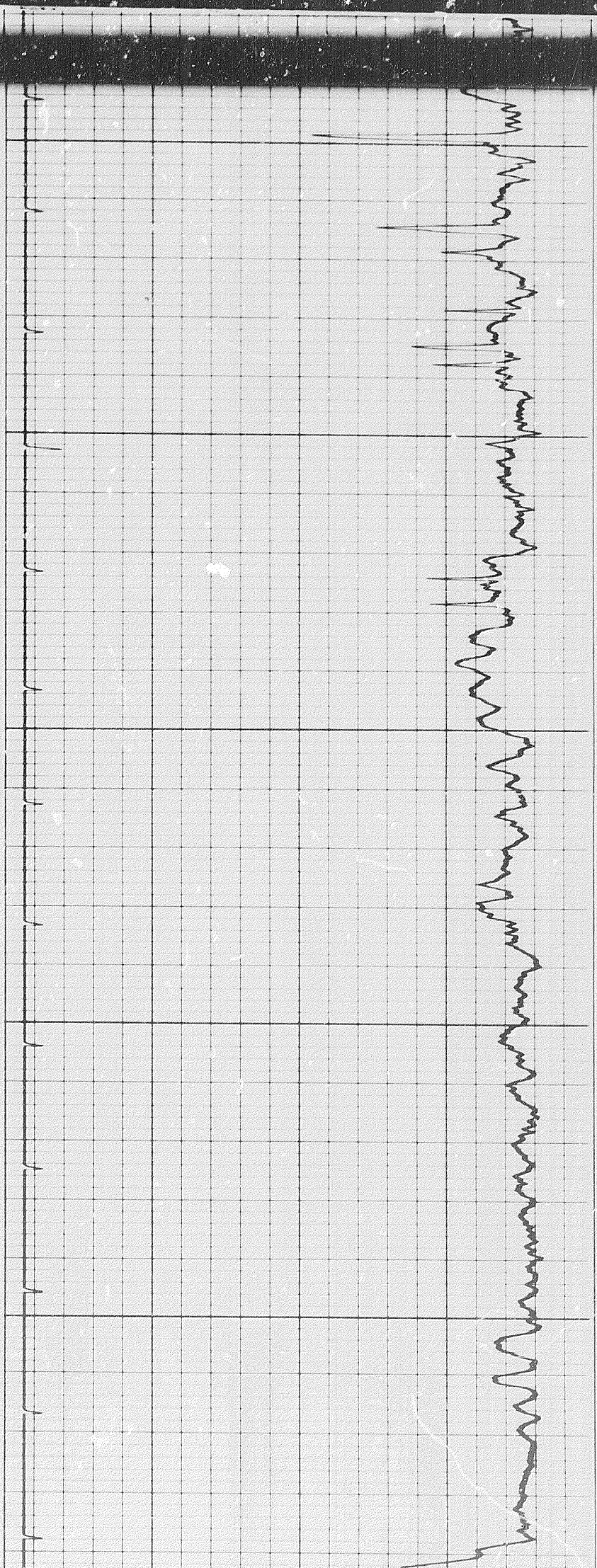
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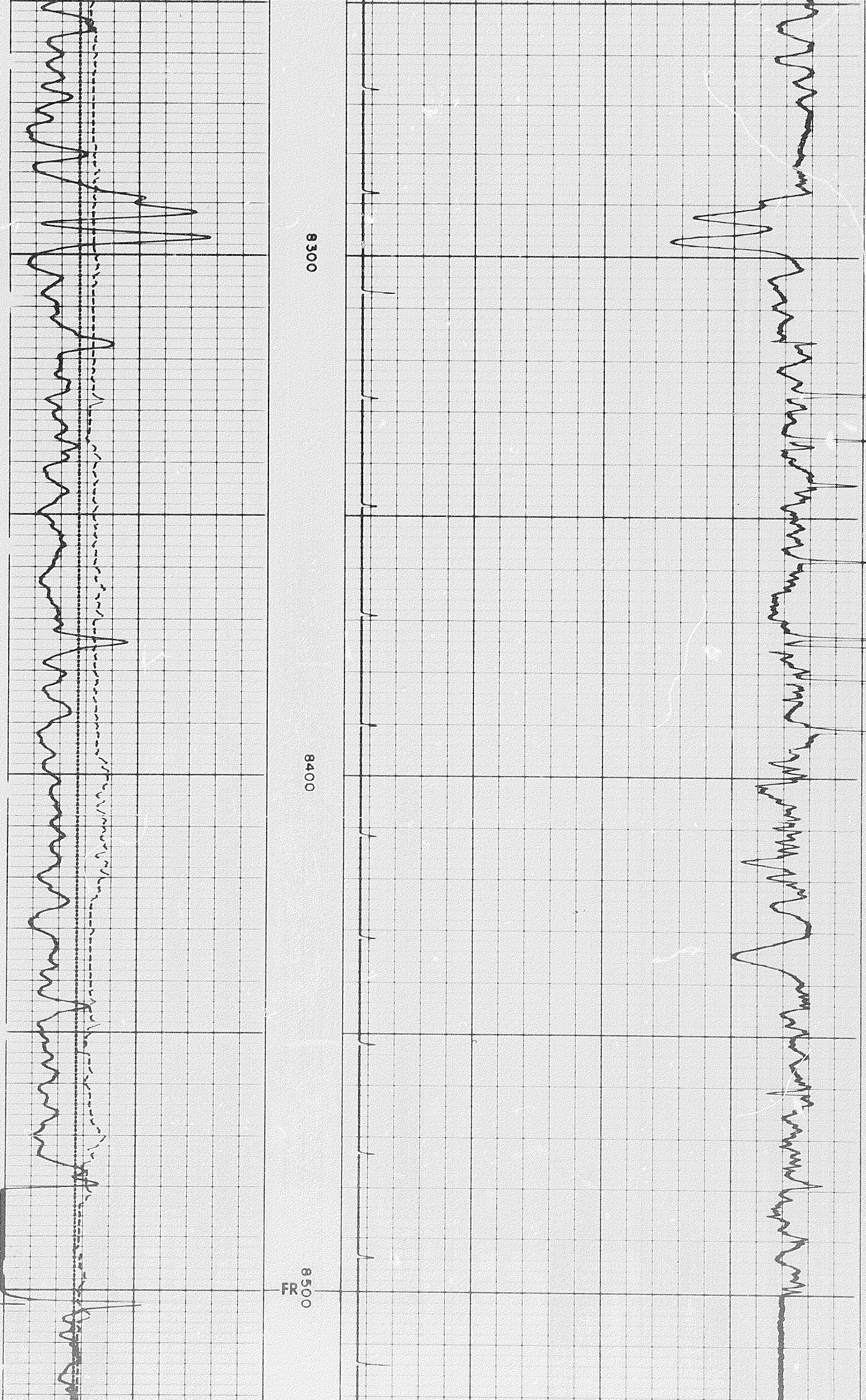
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8200





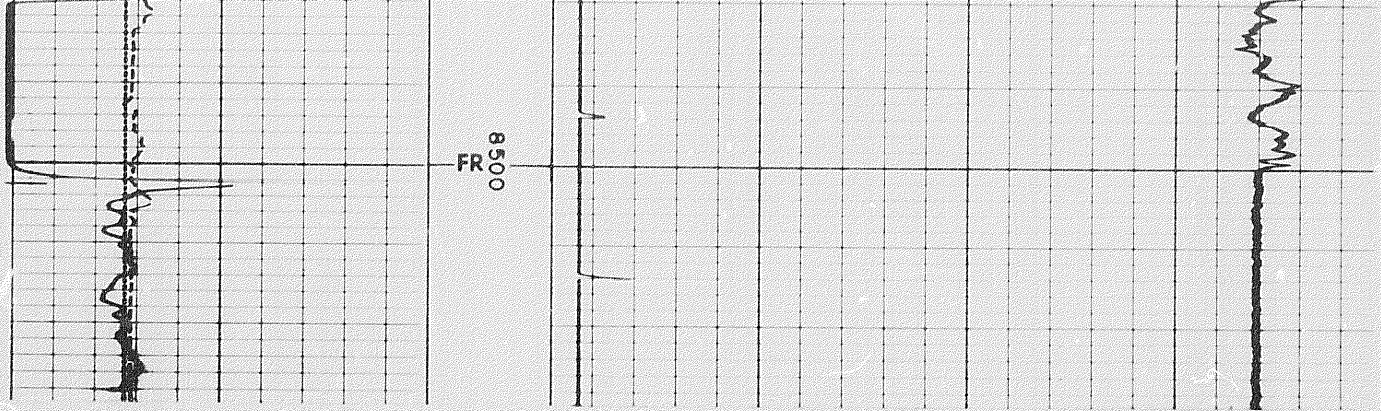
2201



8300

8400

FR 8500



GR. RAY WITH SONIC TO 7000'  
 THEN SHIFTS TO 2' TOO SHALLOW OVER 1500'

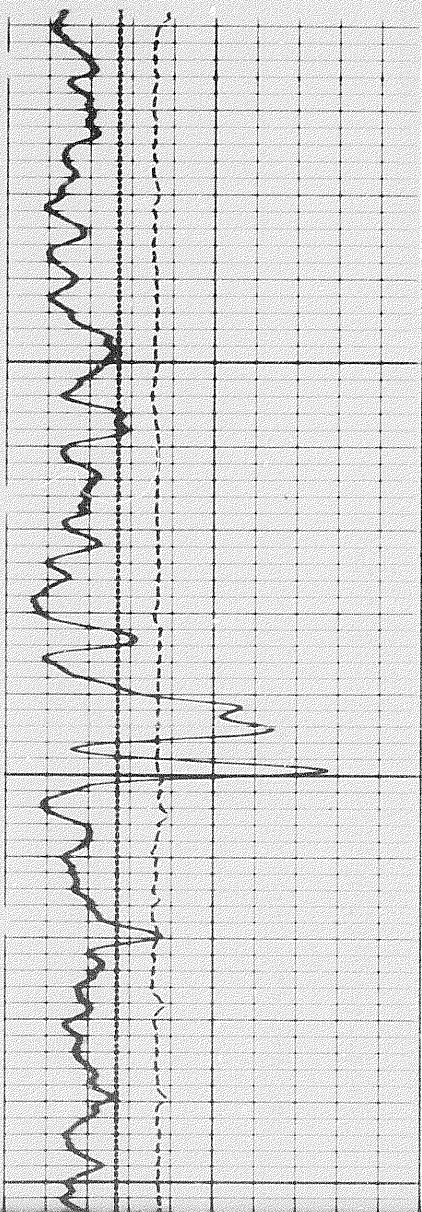
DO NOT PICK TOPS FROM THIS SONIC  
 DEPTHS ARE INCORRECT

GAMMA RAY RECORDED 2' DEEP WITH SONIC

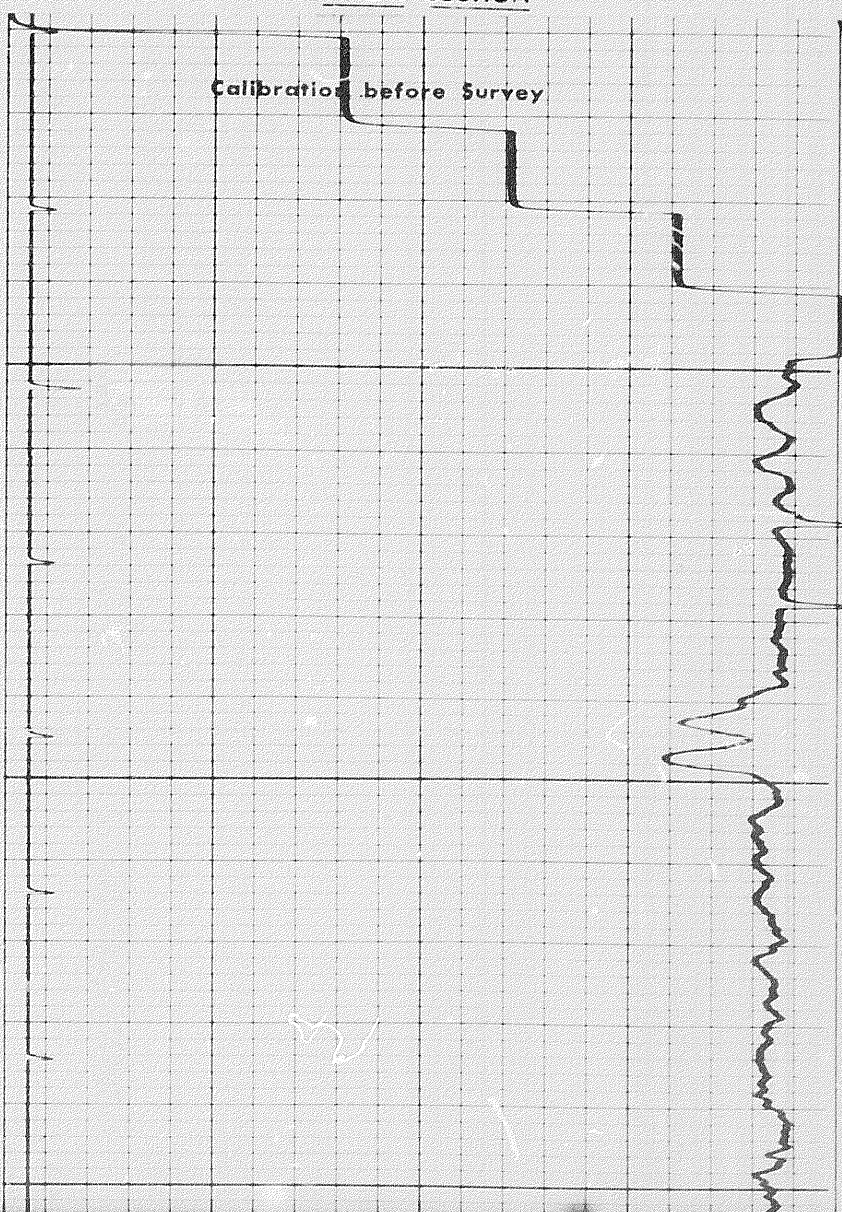
DO NOT USE SONIC  
 LOG FOR PICKING TOPS

RECORDED SHALLOW

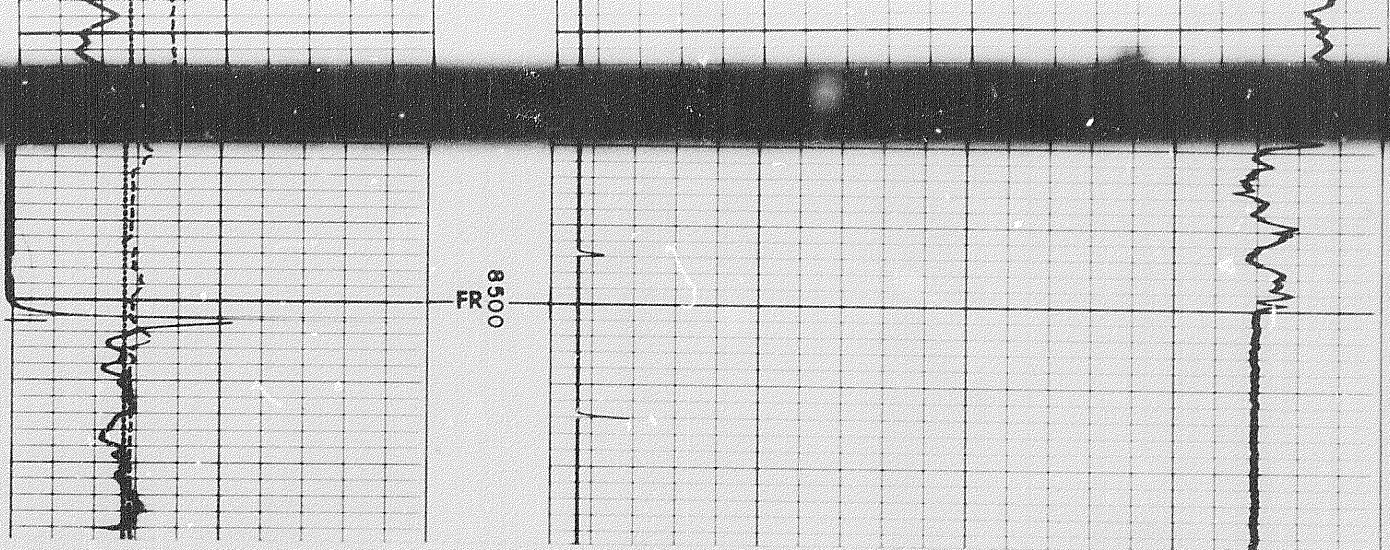
**REPEAT SECTION**



8300



FR 8500  
 0058



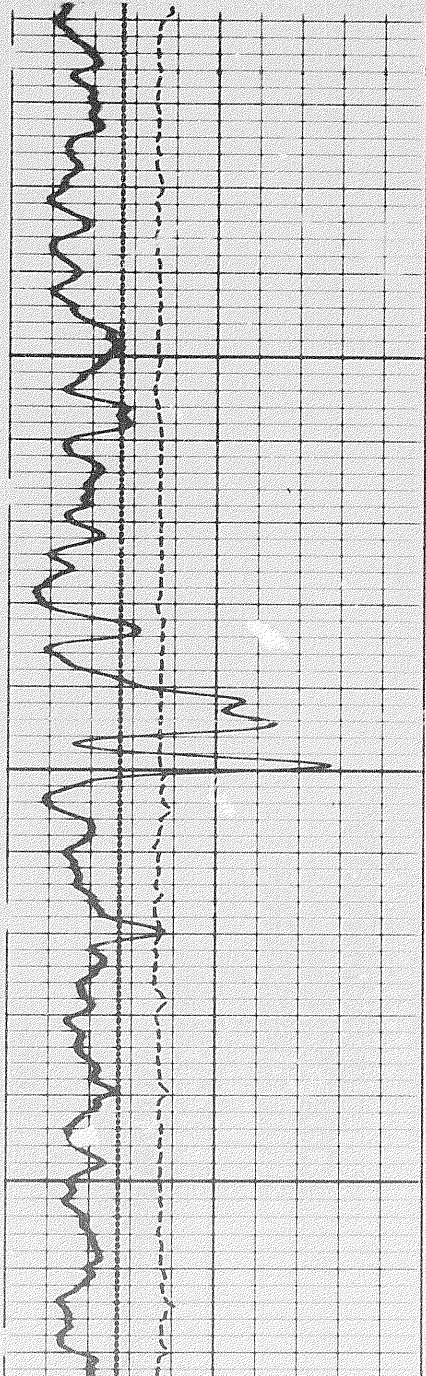
GR OKAY WITH SONIC TO 7000'  
 THEN SHIFTS TO 2' TOO SHALLOW OVER 1500'

DO NOT PICK TOPS FROM THIS SONIC  
 DEPTHS ARE INCORRECT

GAMMA RAY RECORDED 2' DEEP WITH SONIC

DO NOT USE SONIC  
 LOG FOR PICKING TOPS

RECORDED SHALLOW



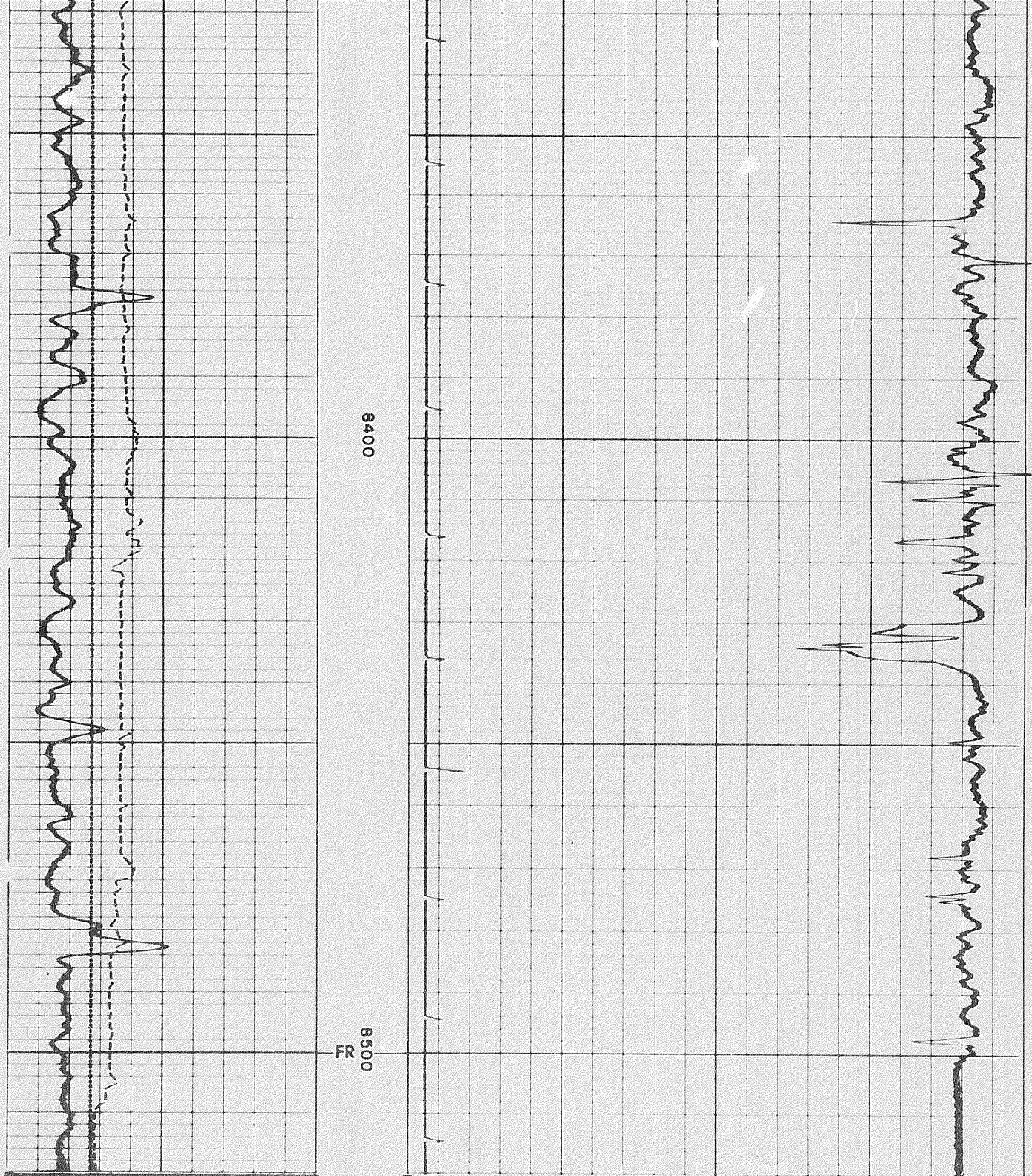
REPEAT SECTION

Calibration before Survey



2304

2307



6 7 8 9 10 11 12 13 14

**CALIPER**  
hole diameter in inches

Sens. 150 T.C. 2  
Zero 0 div. to left

0 150  
150 300

**GAMMA RAY**  
API UNITS

**DEPTH**

160 130 100  
100 70 40

**SONIC**  
INTERVAL TRANSIT TIME  
microseconds per foot

Run 1

← Gamma Ray Background

GAMMA RAY  
API UNITS

DEPTHS

SONIC  
INTERVAL TRANSIT TIME  
microseconds per foot

Run 1

Gamma Ray Background

Gamma Ray Cal  
@ API Units

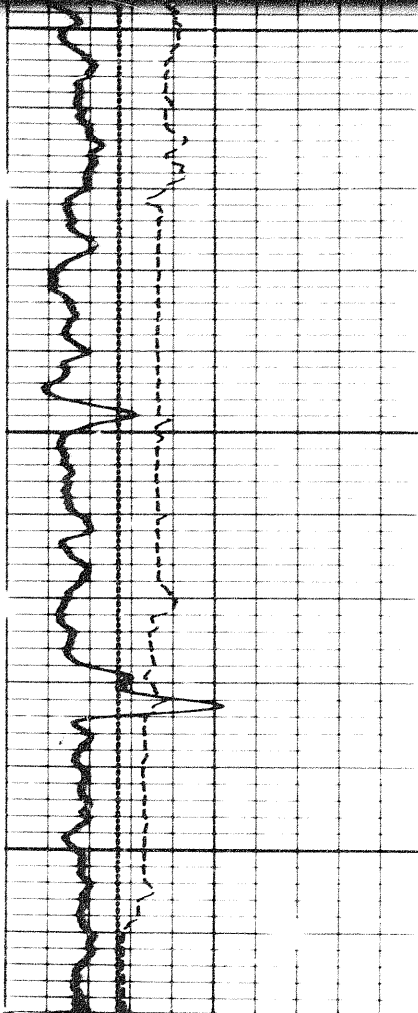
Calibration before Survey

Run 2

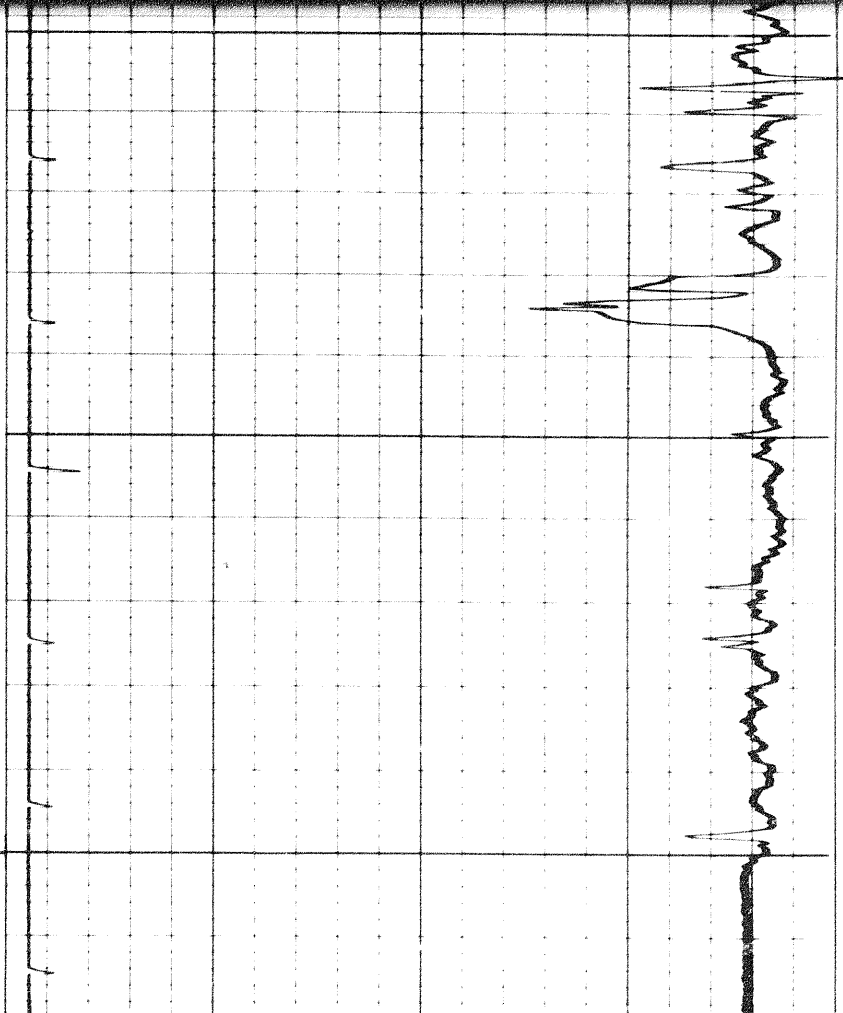
Gamma Ray Cal  
@ API Units

0000

400



8400  
FR  
8500



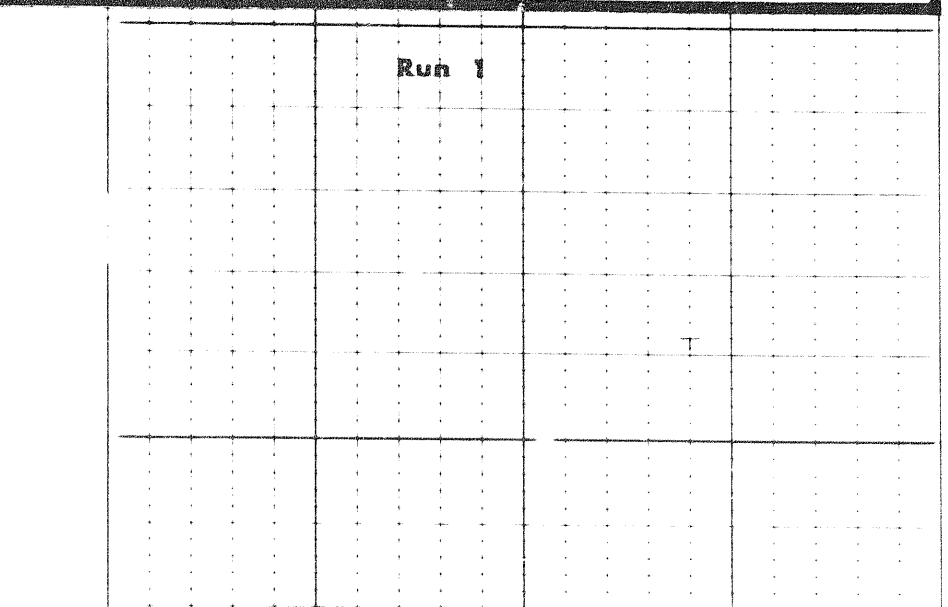
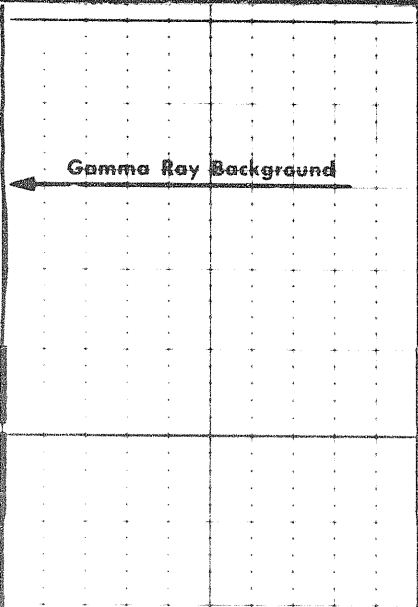
6	7	8	9	10	11	12	13	14
<b>CALIPER</b> hole diameter in inches								
Sens. 150 T.C. 2								
Zero 0 div to left								
0			150			300		
150								

160	130	100
100	70	40

**GAMMA RAY**  
API UNITS

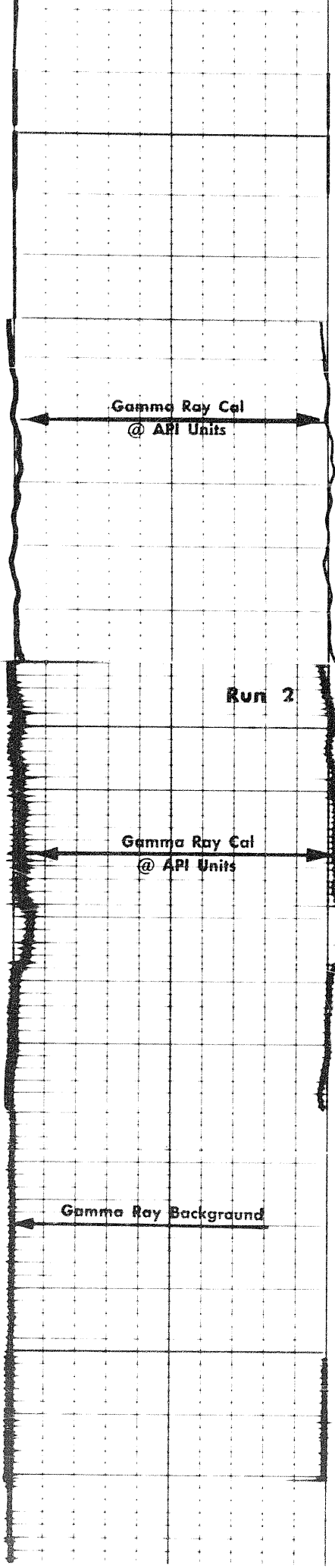
**DEPTH**

**SONIC**  
INTERVAL TRANSIT TIME  
microseconds per foot



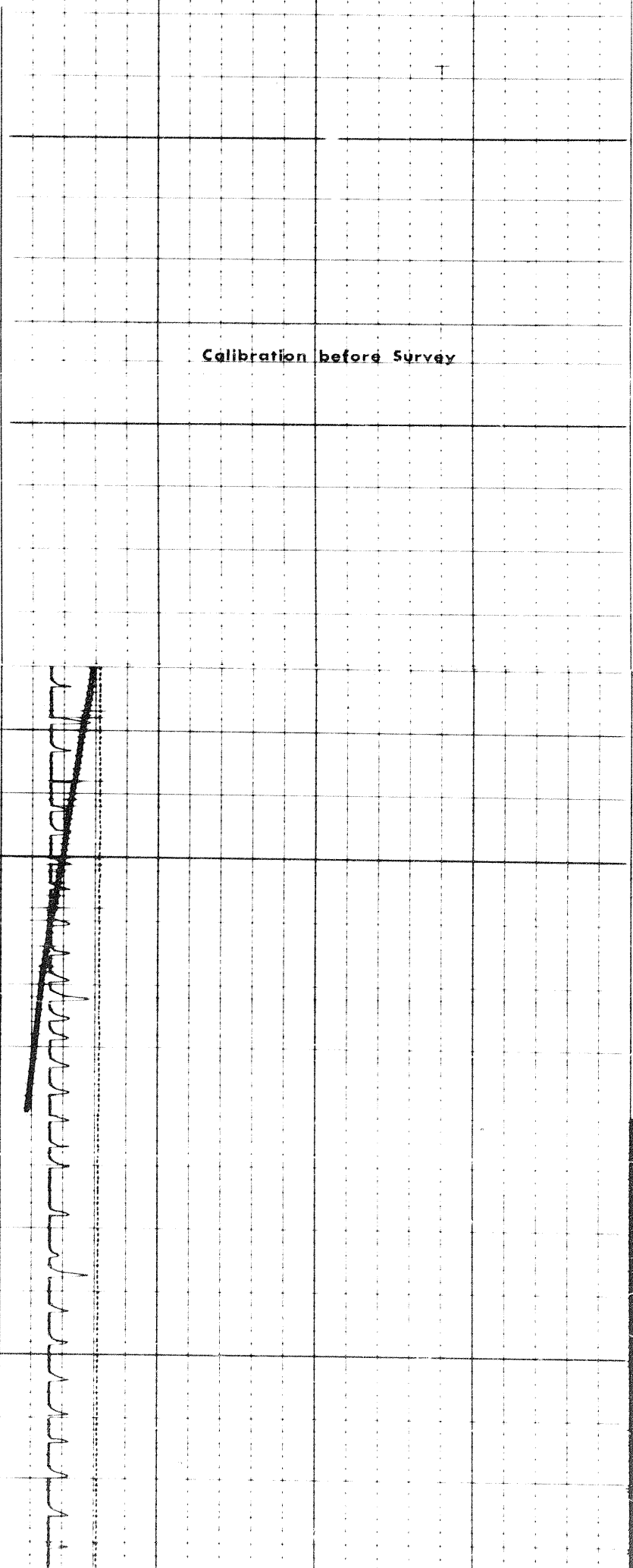
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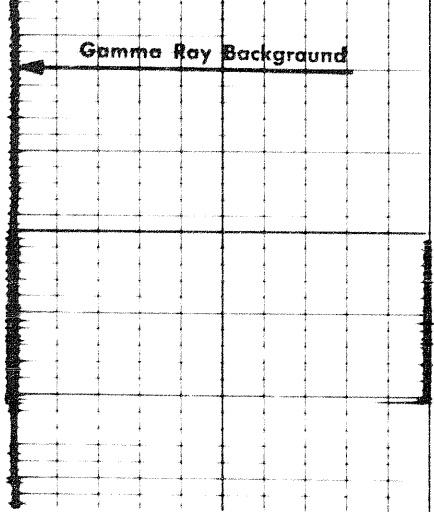
76076



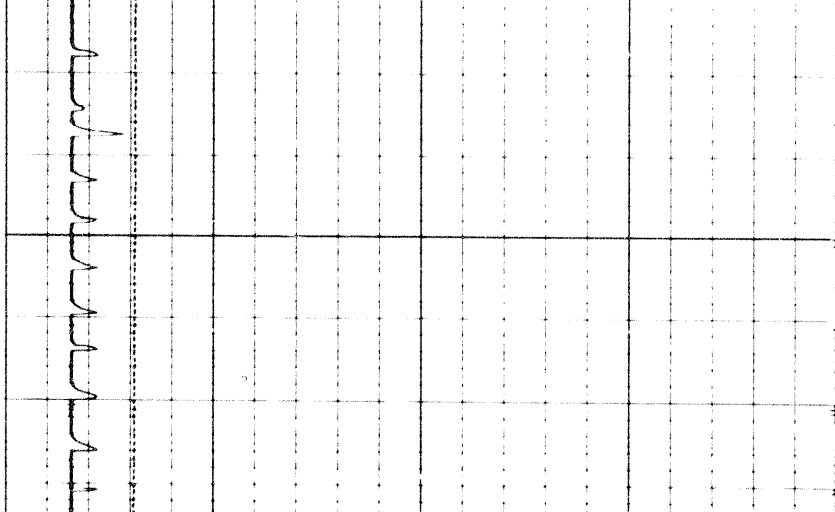
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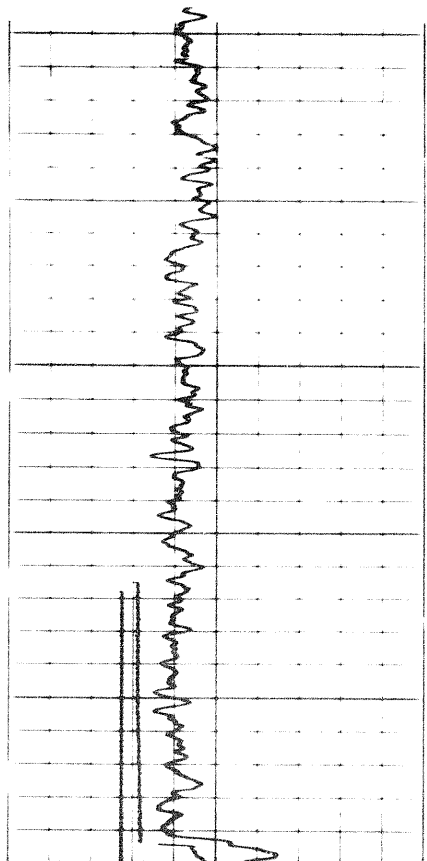




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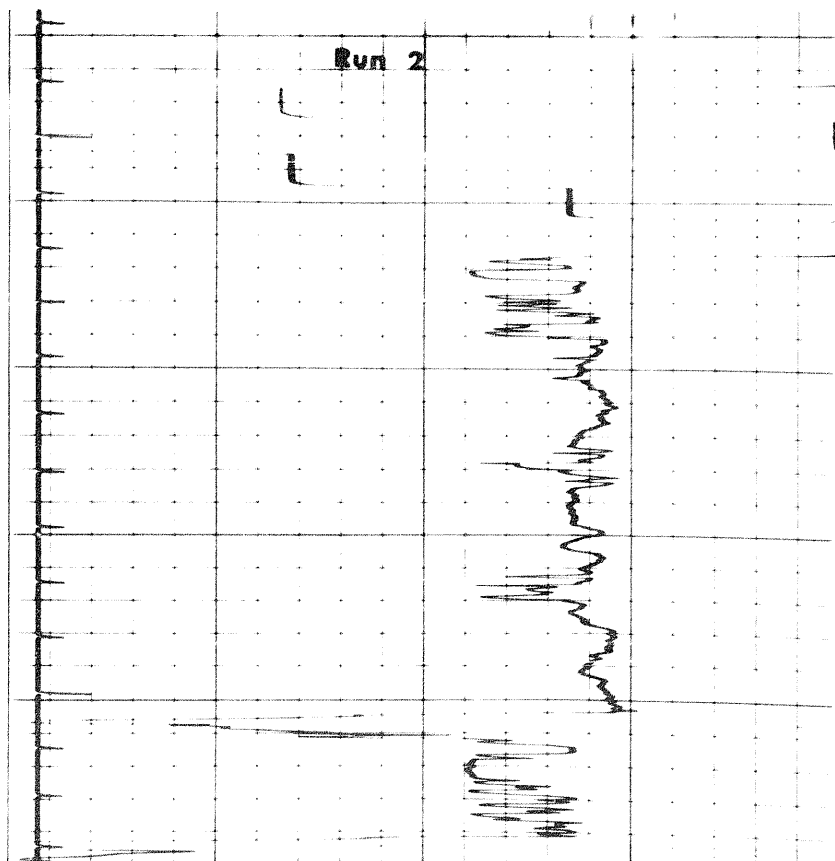
OVERLAP



1000

1100

12



COMPANY SHELL OIL OF CANADA LTD.

WELL SHELL GETTY MOBIL ARCTIC REG. Y.T. C-60

FIELD WILDCAT PROVINCE YUKON TERRITORIES

