

SCHLUMBERGER

SCHLUMBERGER OF CANADA Calgary Alberta

BOREHOLE COMPENSATED SONIC LOG

PROVINCE YUKON TERRITORY
 FIELD WILDCAT
 WELL SOCONY MOBIL-WESTERN MINERALS CHANGE YT G-8
 COMPANY SOCONY MOBIL OIL OF CANADA LIMITED

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 WELL SOCONY MOBIL-WESTERN MINERALS CHANGE YT G-8
 FIELD WILDCAT (EAGLE PLAINS AREA)
 PROVINCE YUKON TERRITORY
 LOCATION LAT. 66° 7' 18.1" NORTH
 LONG. 137° 30' 50.8" WEST
 Permanent Datum GL Ely 1702.00
 Log Measured From KB 17.8 Ft. Above Perm. Datum
 Other Services: IES, ML-C, CDM, SRS
 ELEV. KB 1719.73
 GL 1702.00
 CBF

Date	30 JAN 65	16 FEB 65	
Run No.	ONE	TWO	
First Reading	4938	5176	
Last Reading	810	4915	
Feet Measured	4128	261	
Depth Reached	4940	5177	
Bottom Driller	4944	5183	
Csg. SOC	810	4915	
Csg. Driller	9 5/8" @ 810'	4917	
Mud Nature	GEL-CAUSTIC	GEL-CAUSTIC	
Dens. Visc.	9.6	8.5	38
Mud pH	8.5	10	
Water Loss		11	
Res. @ BHT	1.42 @ 62 °F	1.53 @ 65 °F	
Rmf	1.01 @ 92 °F	0.78 @ 100 °F	
Rmc	1.13 @ 68 °F	1.31 @ 72 °F	
Bit Size	2.47 @ 68 °F	1.79 @ 72 °F	
Span	8 5/8"	6 1/8" CSG-TD	
Oper Rig Time	2 HOURS	3 HOURS	
Truck No.	1511 - DC	1511 - DC	
Recorded By	MOORE	MOORE	
Witness	WARDEN	WARDEN	

AV/22/2/65/DC

REMARKS **Run 1** Drilling Stopped _____ Circulation Stopped _____ Tool on Bottom _____ Ist Run Service Order # 24773 B.H.T. 95 °F

Caliper No. VCD-C-
 Cartridge No. SCH-D-68
 Panel No. SLP-A-
 Sende No. SLS-A-46 (2')
 Centralizer Type IES & VCD

GAMMA RAY CALIBRATION:			
Background CPS.	Test Source CPS.	Galv. Increase Divisions	Panel Sens. Tap for Cal.
32	371	8.25	800

REMARKS **Run 2** Drilling Stopped _____ Circulation Stopped _____ Tool on Bottom _____ Ist Run Service Order # _____ B.H.T. _____ °F

Caliper No. -
 Cartridge No. SLC-A- 2 HOUR SAMPLE 1.62 @ 63°
 Panel No. SLP-A-63 1 HOUR SAMPLE 1.53 @ 65°
 Sende No. SLS-A-
 Centralizer Type IES

GAMMA RAY CALIBRATION:			
Background CPS	Test Source CPS	Galv. Increase Divisions	Panel Sens. Tap for Cal.
75	390	8.25	500

GAMMA RAY API UNITS

DEPTHS

SONIC INTERVAL TRANSIT TIME
 microseconds per foot

GAMMA RAY CALIBRATION

Background CPS

75

Test Source CPS

390

Galv. Increase Divisions

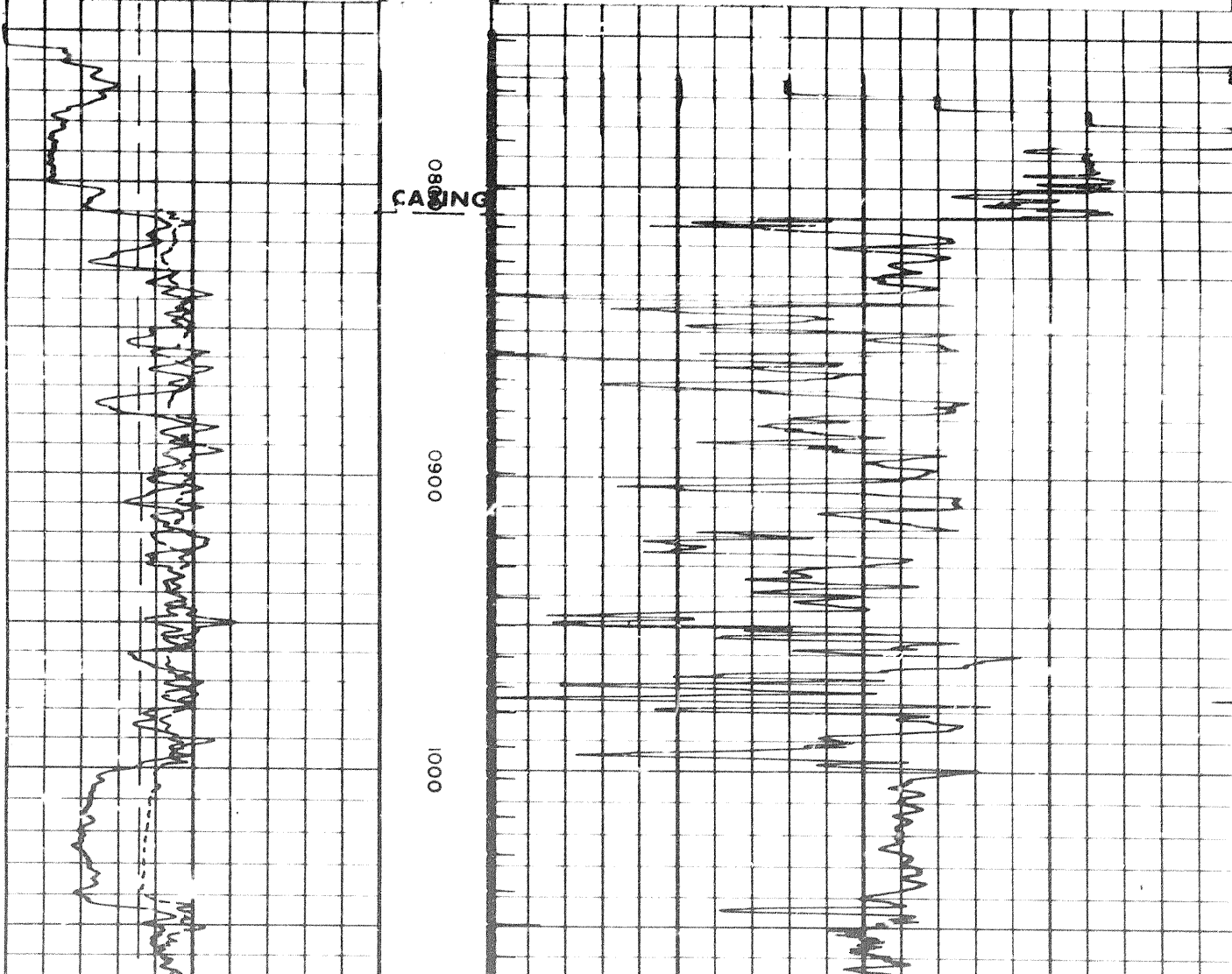
8.25

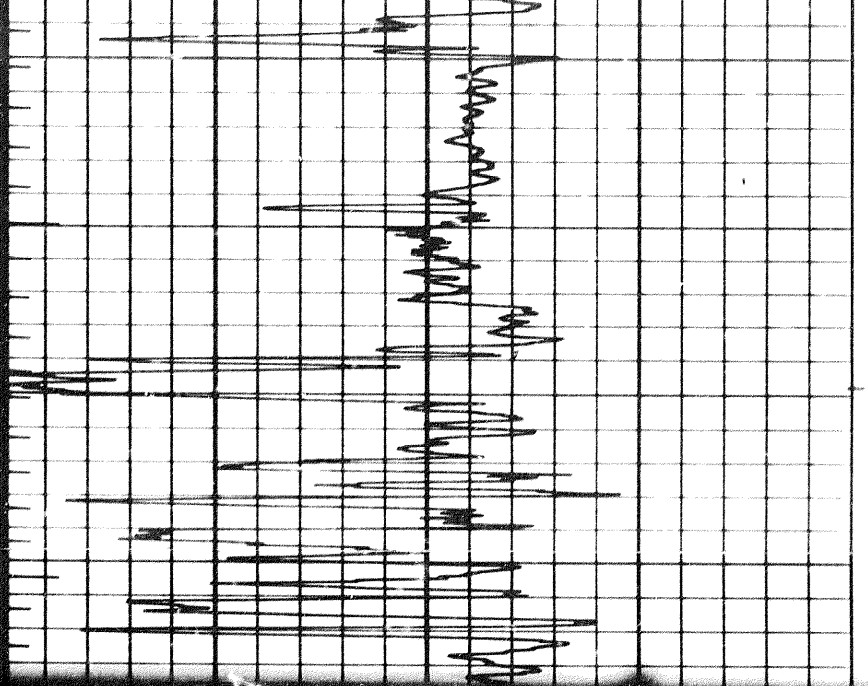
Panel Sens. Tap for Cal

500

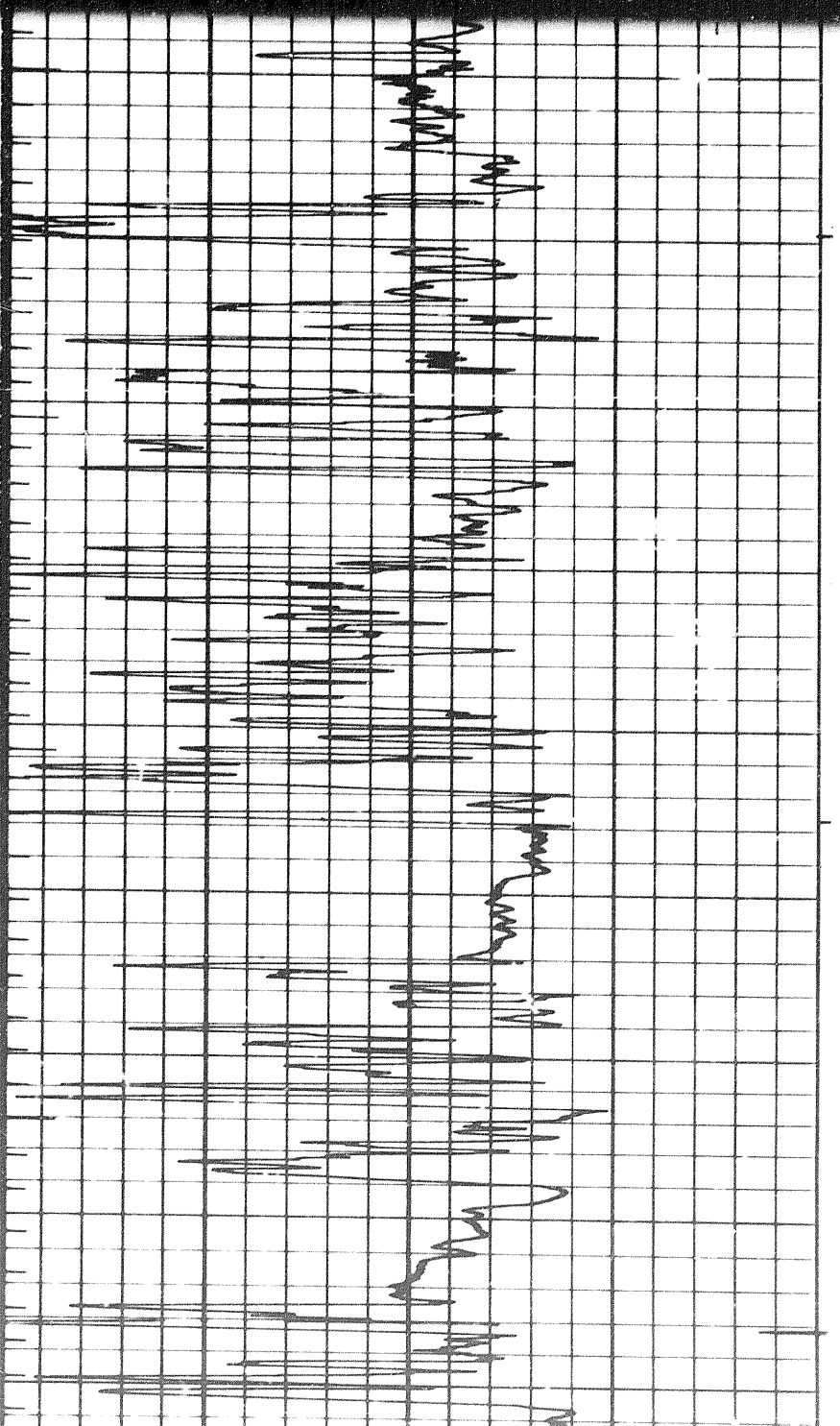
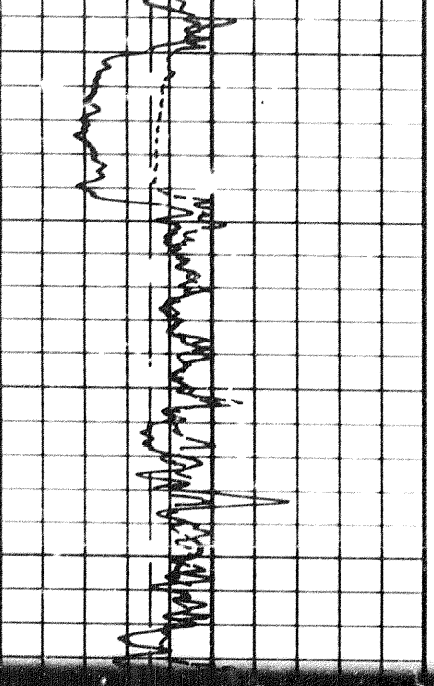
GAMMA RAY API UNITS		DEPTHS	SONIC INTERVAL TRANSIT TIME microseconds per foot	
Sens. 300 T.C. 2 Zero 0 div. to left 0 120 120 240				80
CALIPER hole diameter in inches 6 7 8 9 10 11 12 13 14			120	100 80
GAMMA RAY API UNITS		DEPTHS	SONIC INTERVAL TRANSIT TIME microseconds per foot	

Sens. 300 T.C. 2 Zero 0 div. to left 0 120 120 240			140	90 40
CALIPER hole diameter in inches 6 7 8 9 10 11 12 13 14			240	190 140
NOTE: SCALE CHANGE @ 3875'				

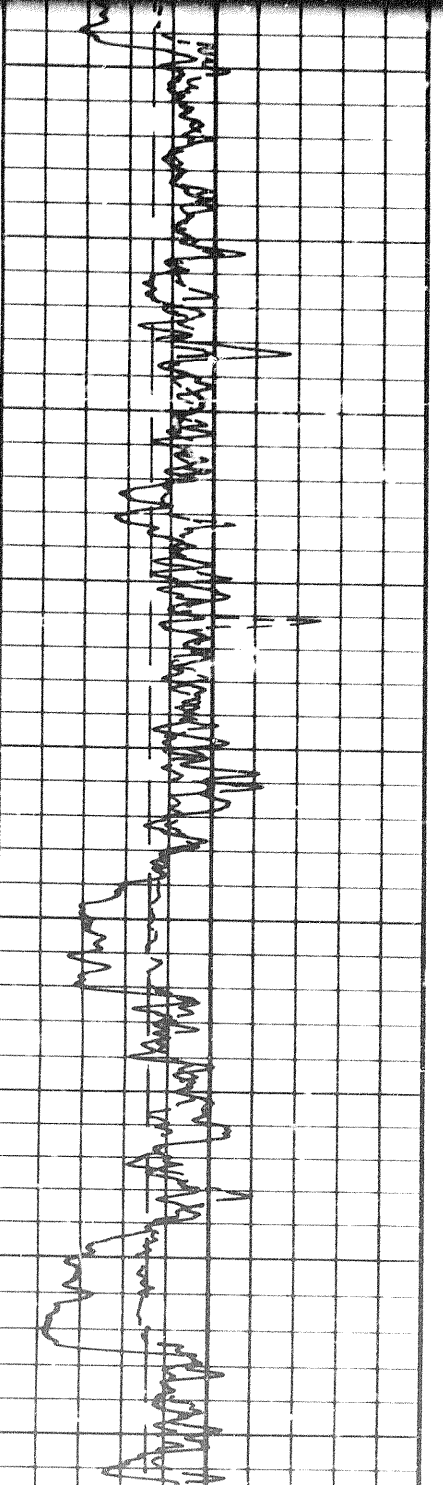


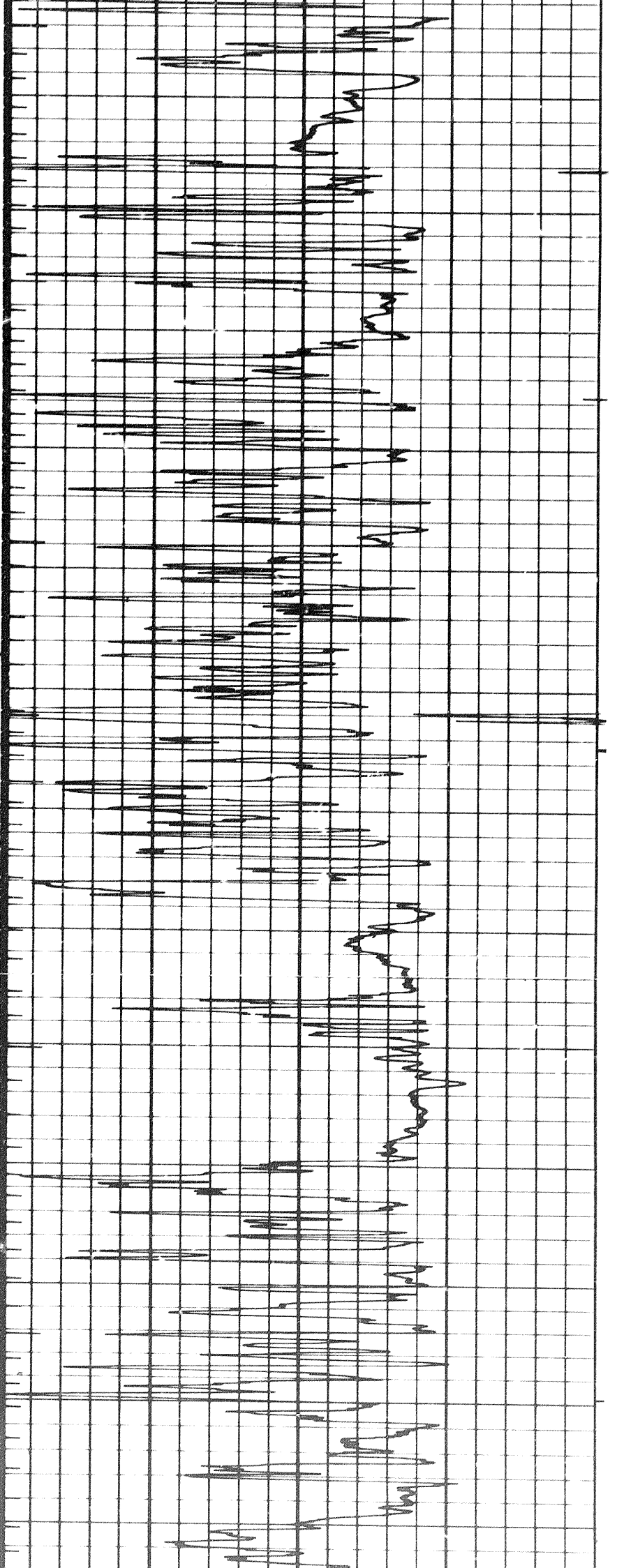


1000 1100



1100 1200 1300 1400





1400

1500

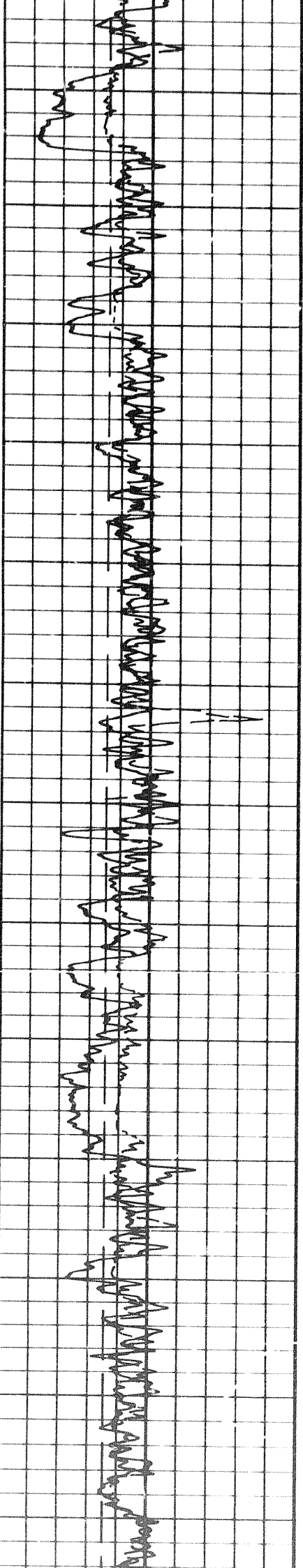
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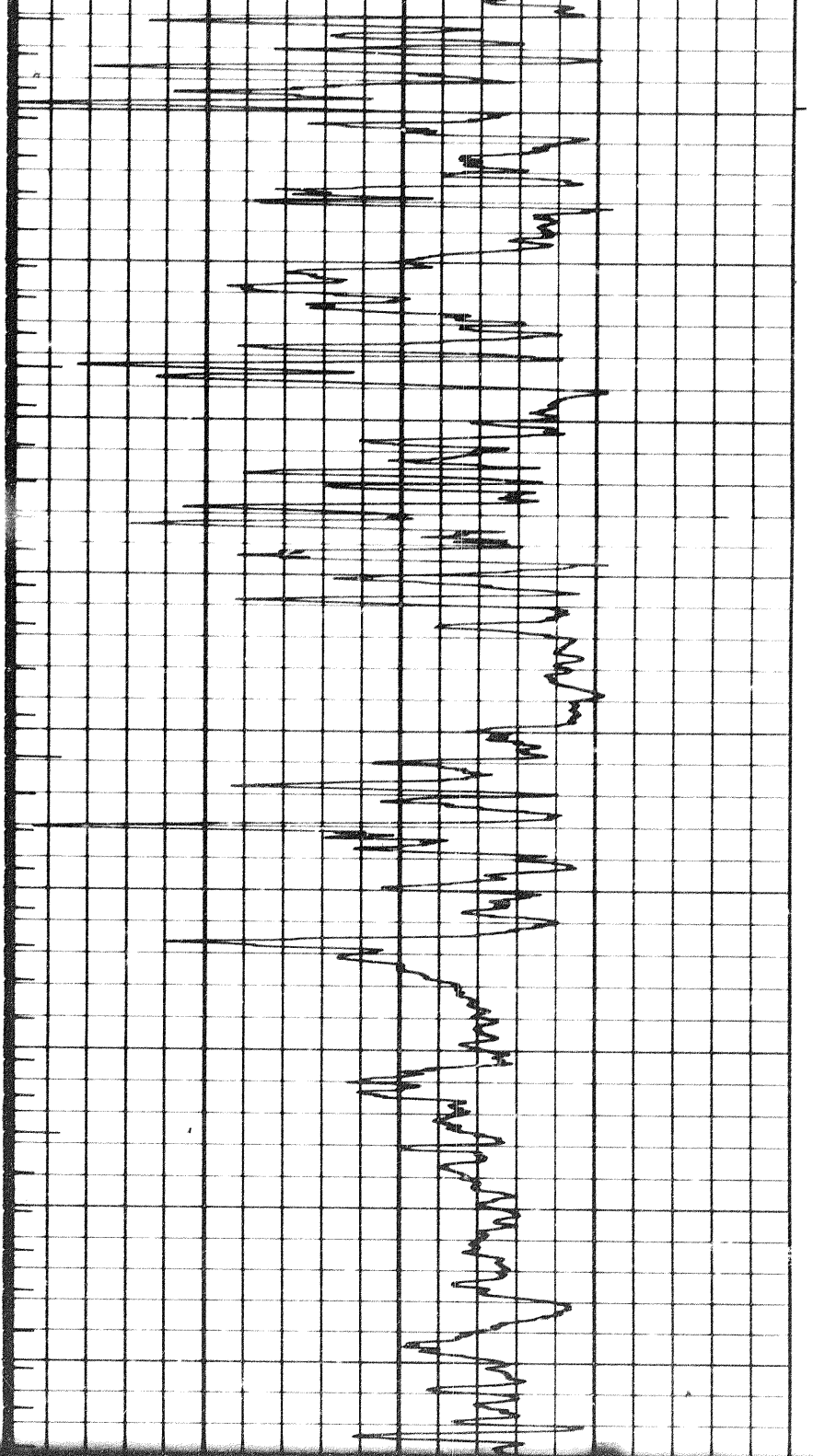
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1900

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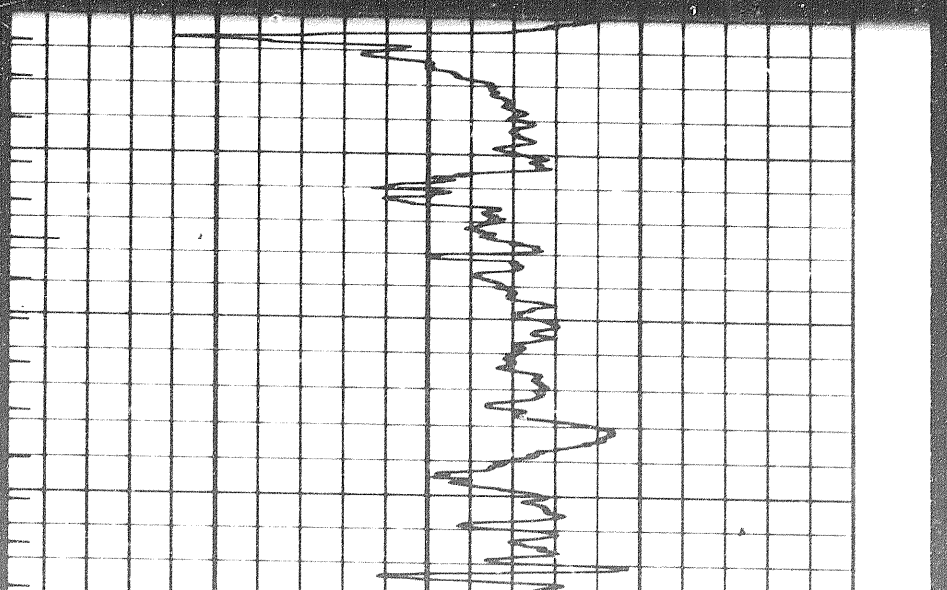


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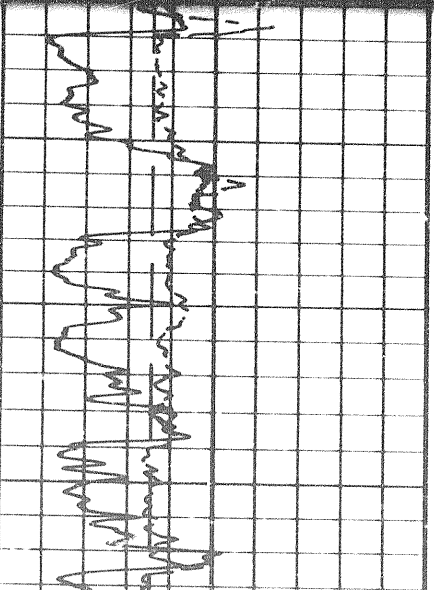
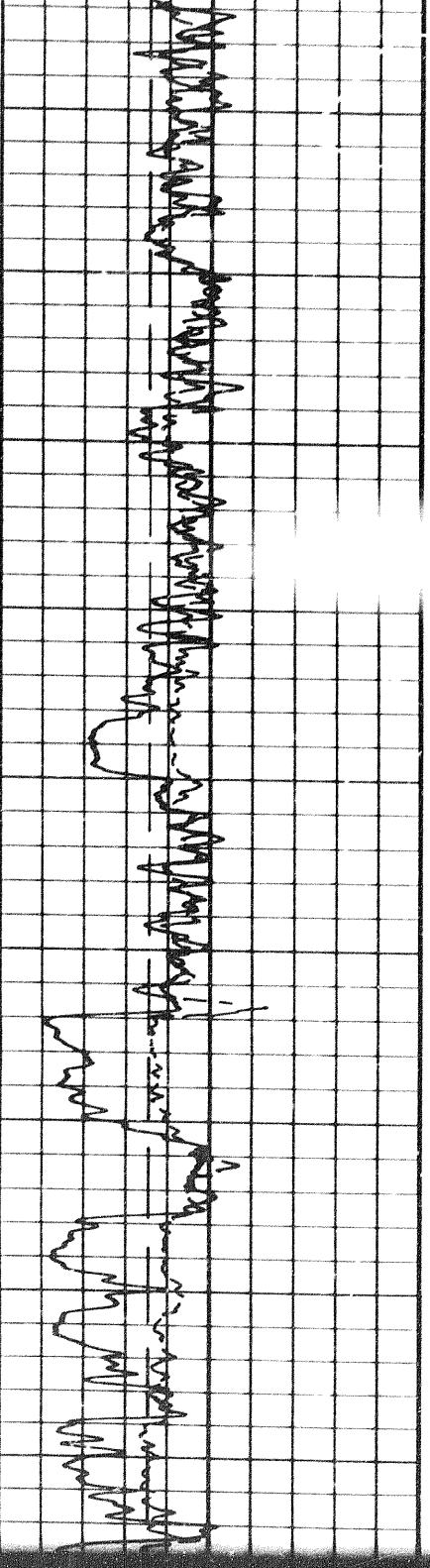
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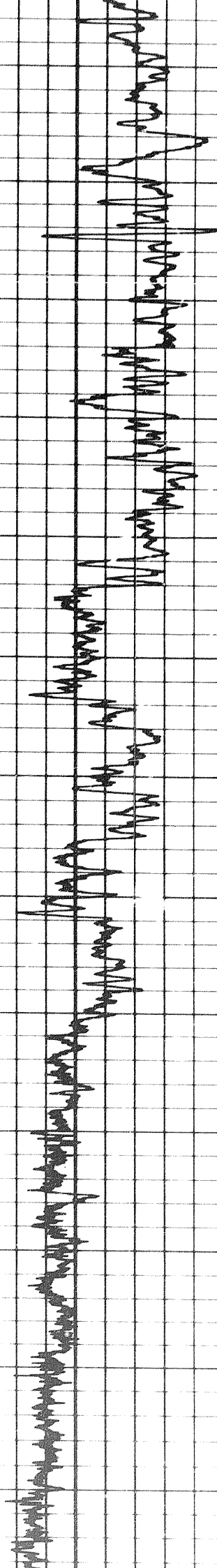
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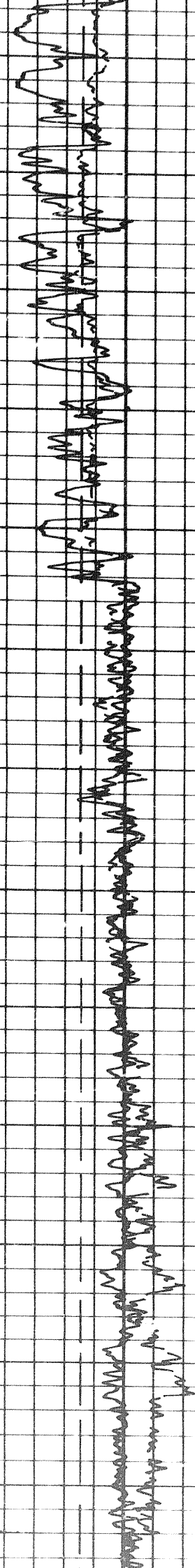
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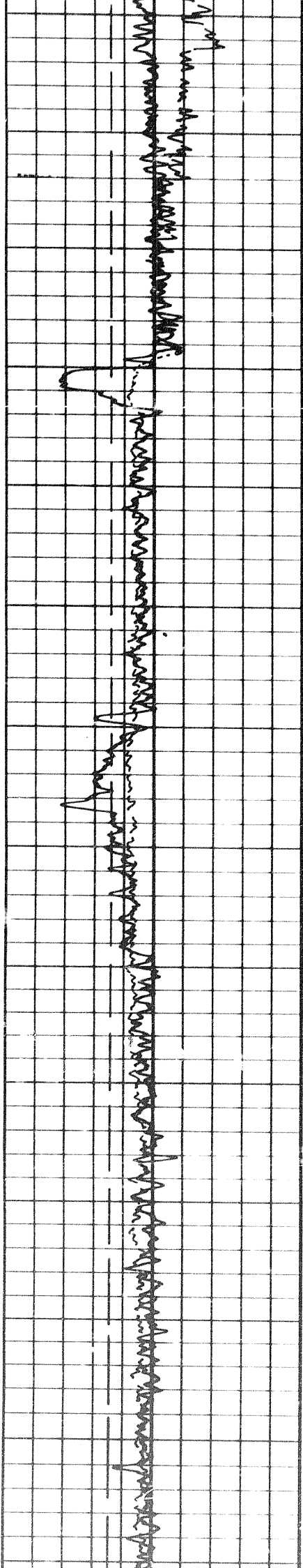


200



2300 2400 2500 2600 2700 2800 2900





2900

3000

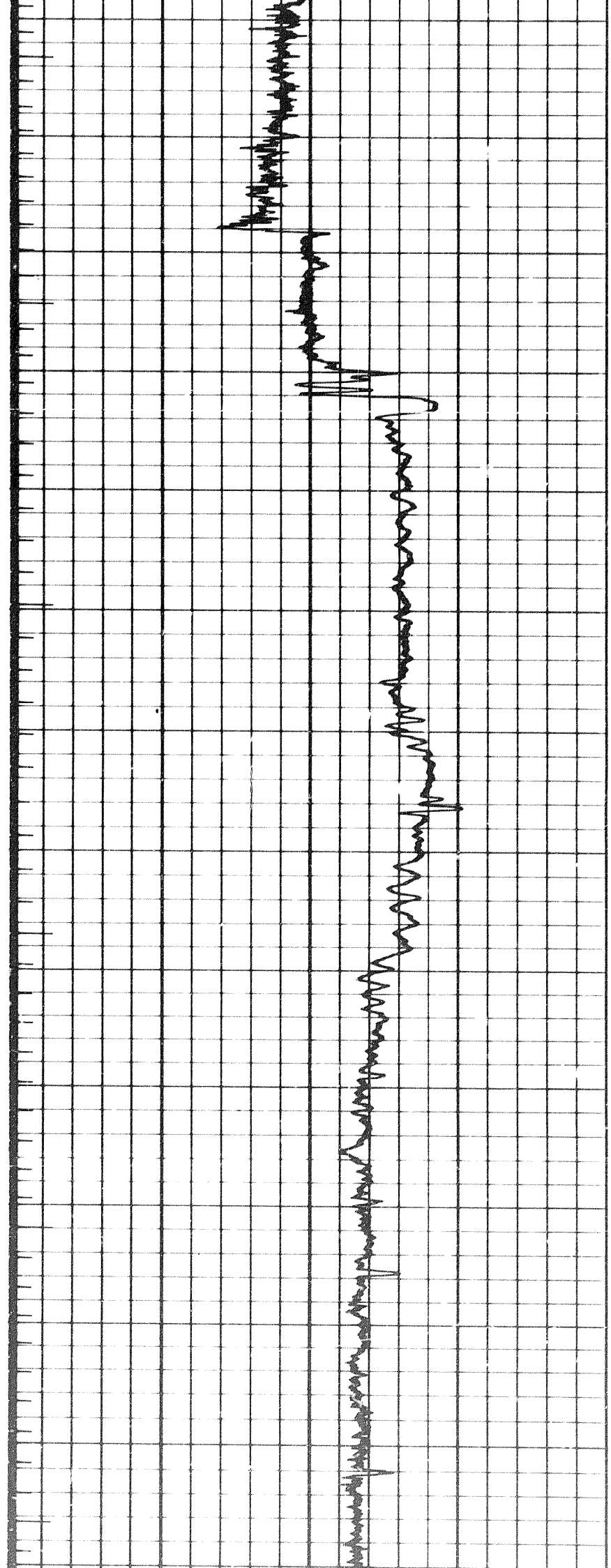
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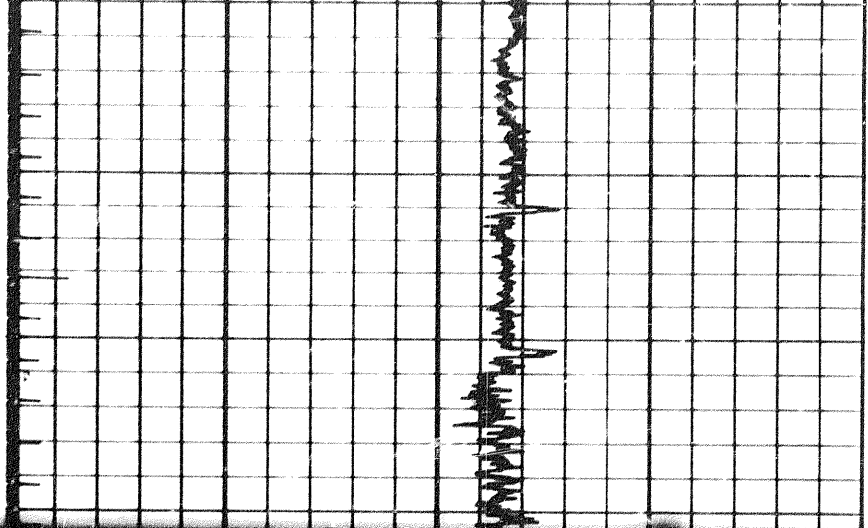
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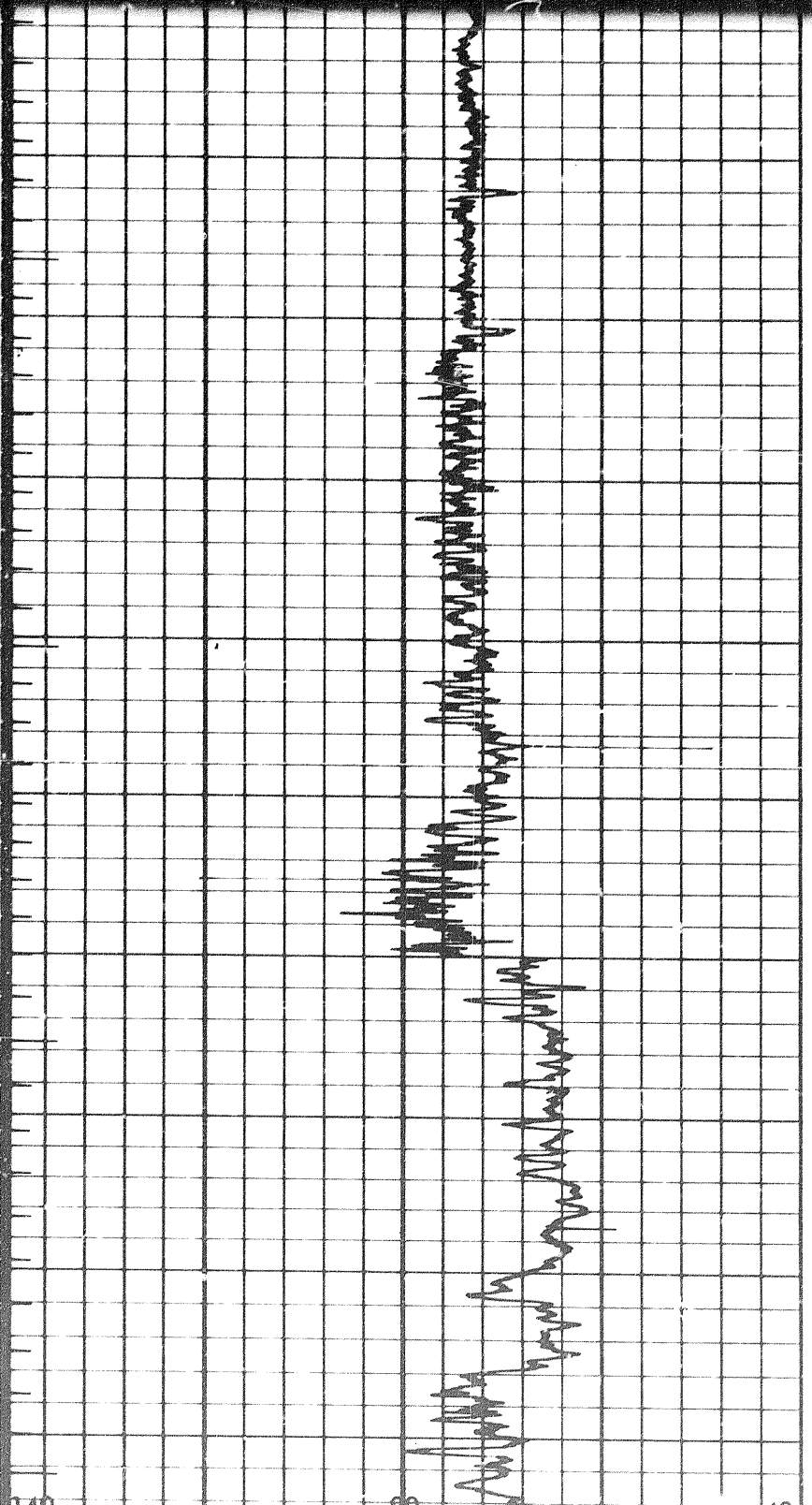
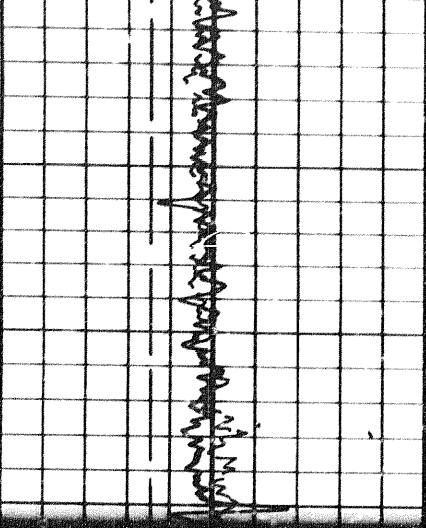
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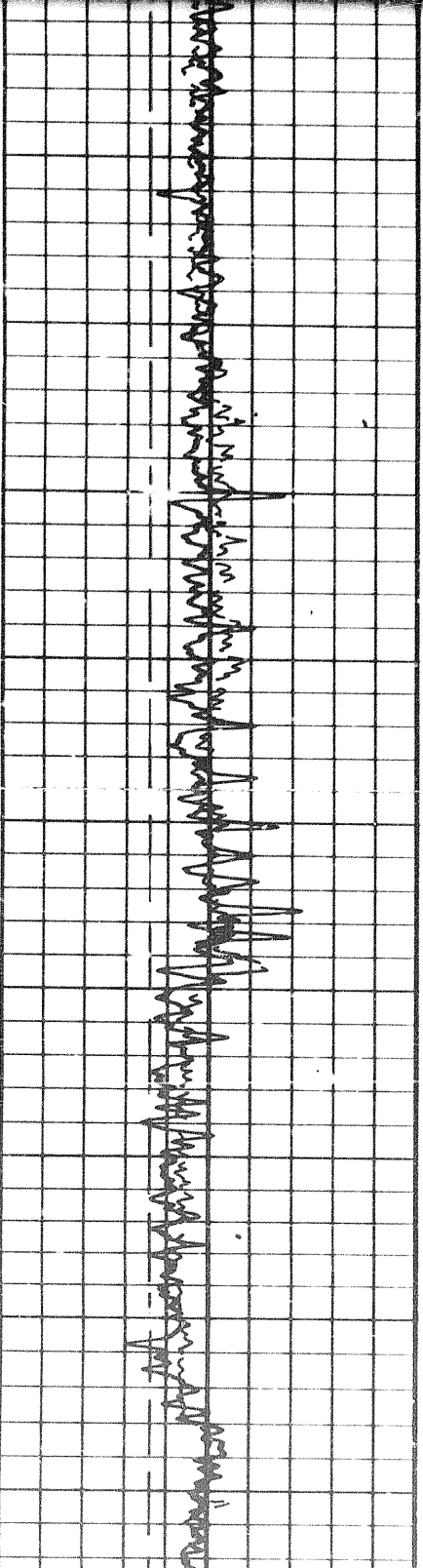
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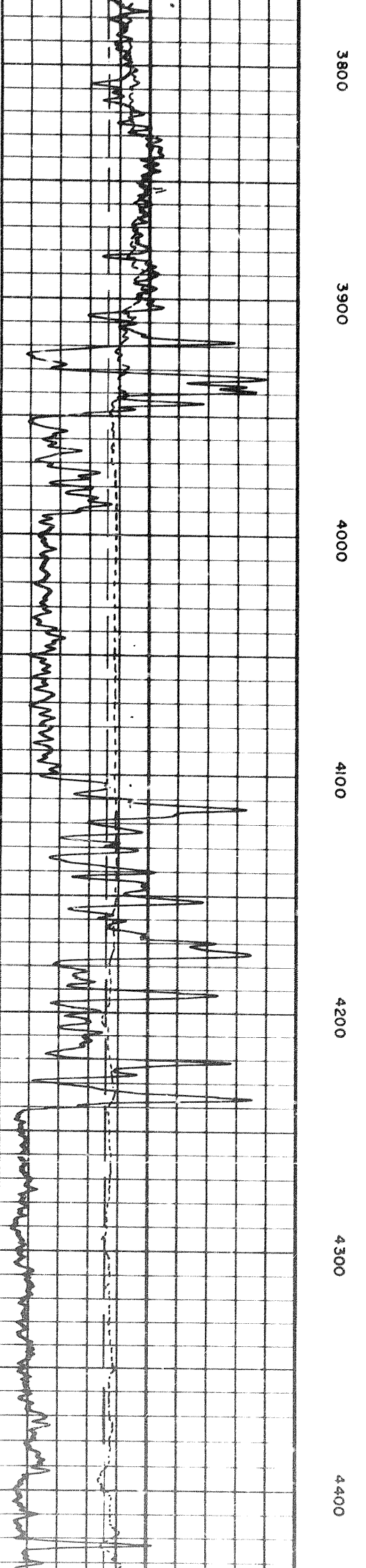
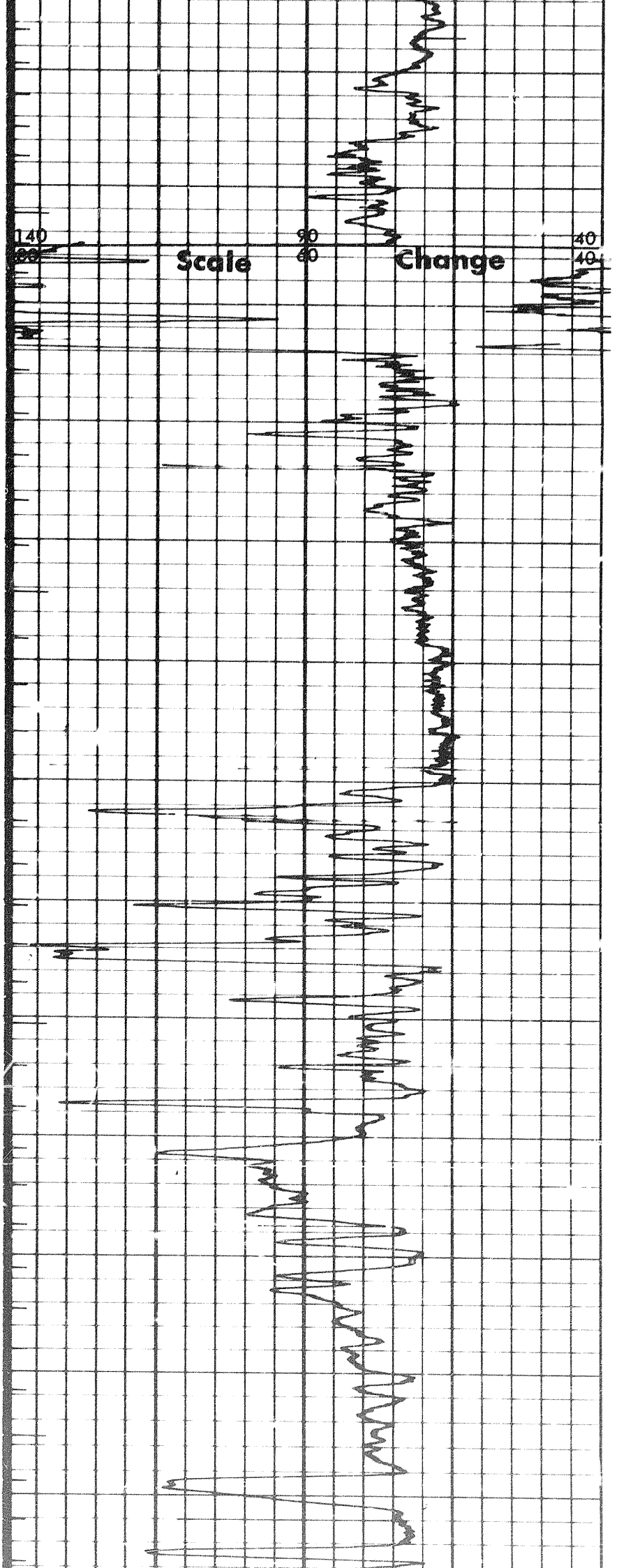


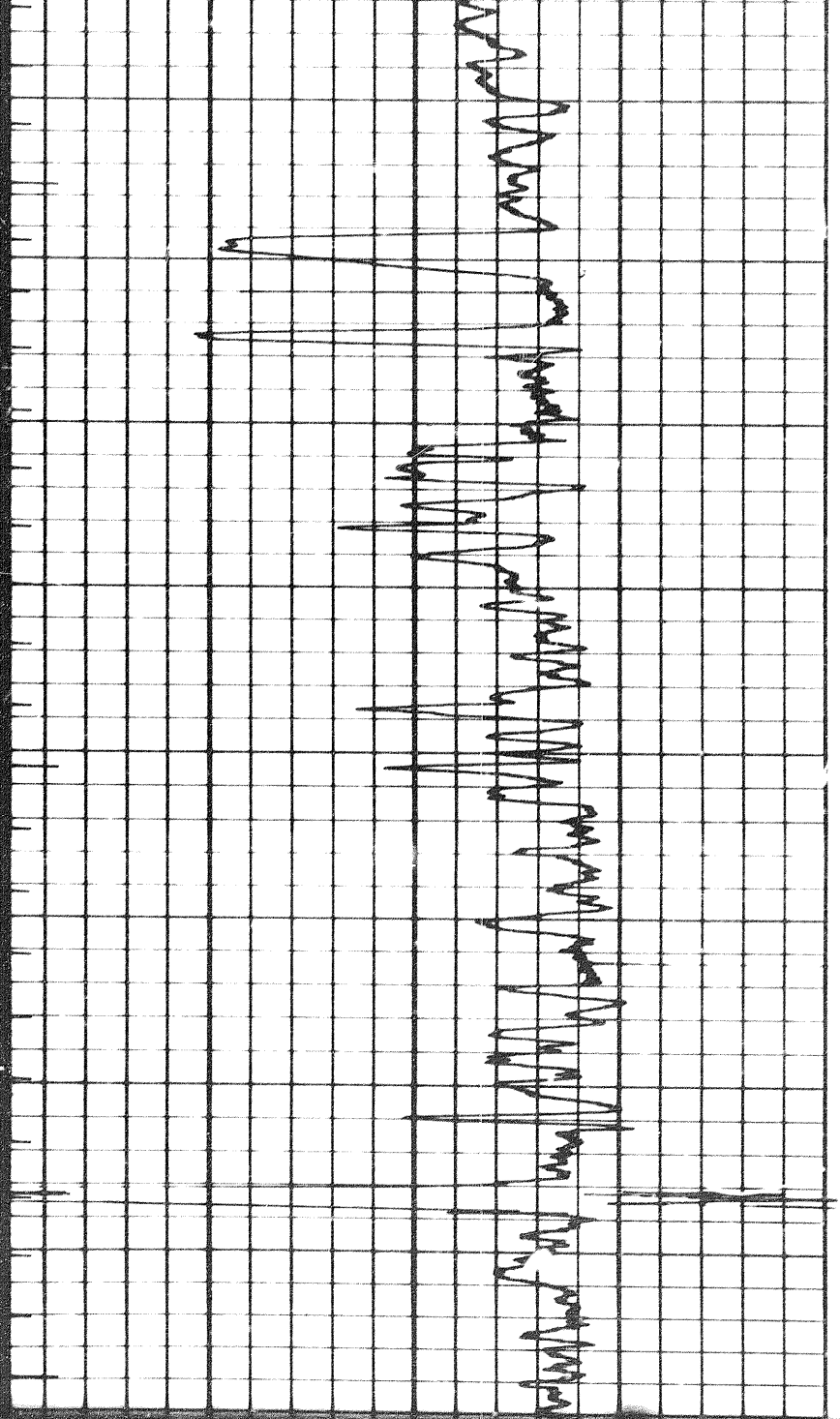
00 3500



0 3500 3600 3700 3800





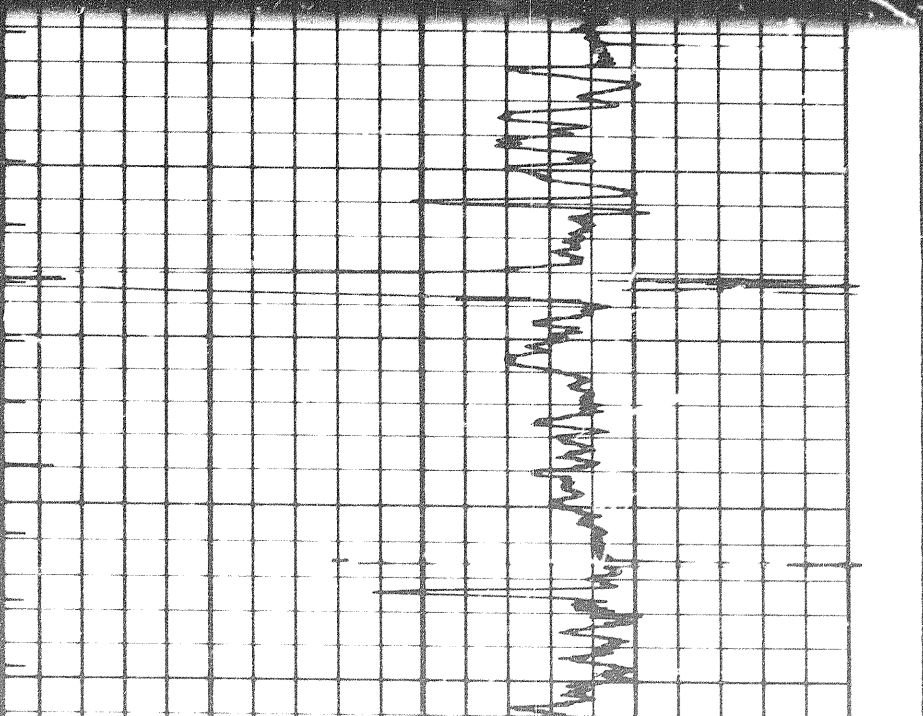


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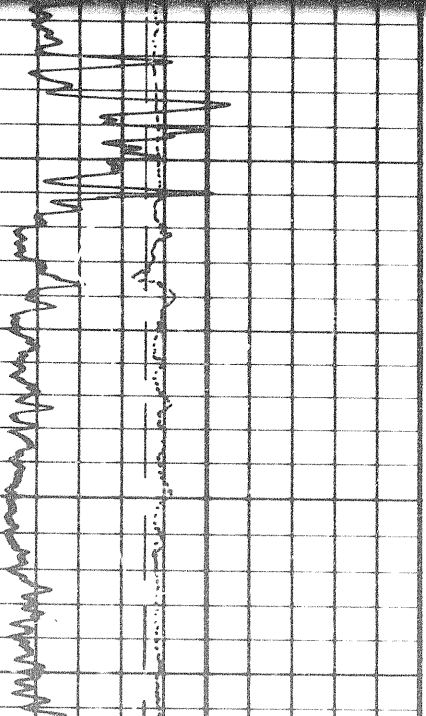
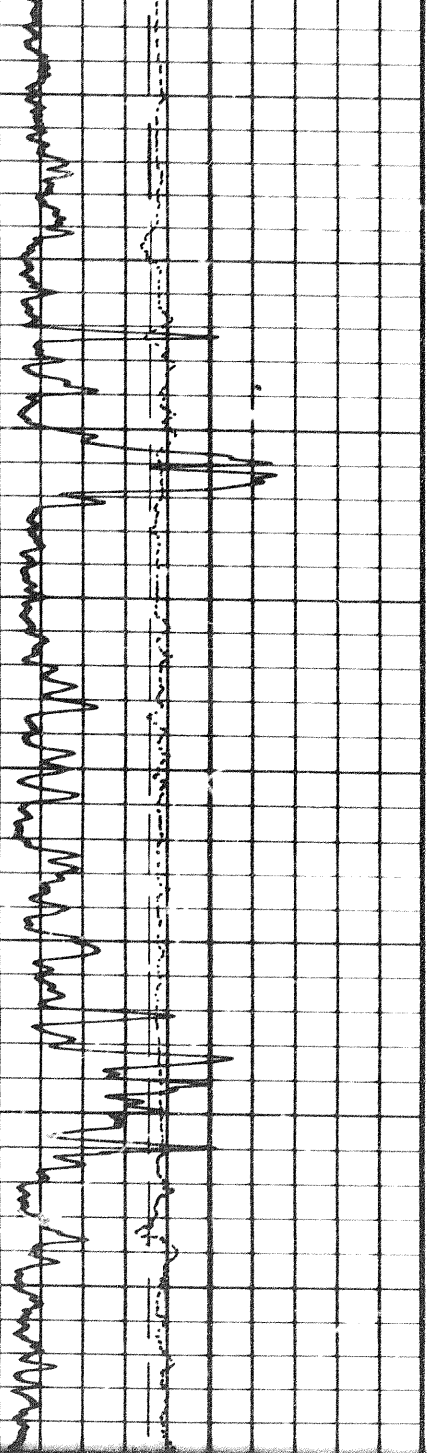
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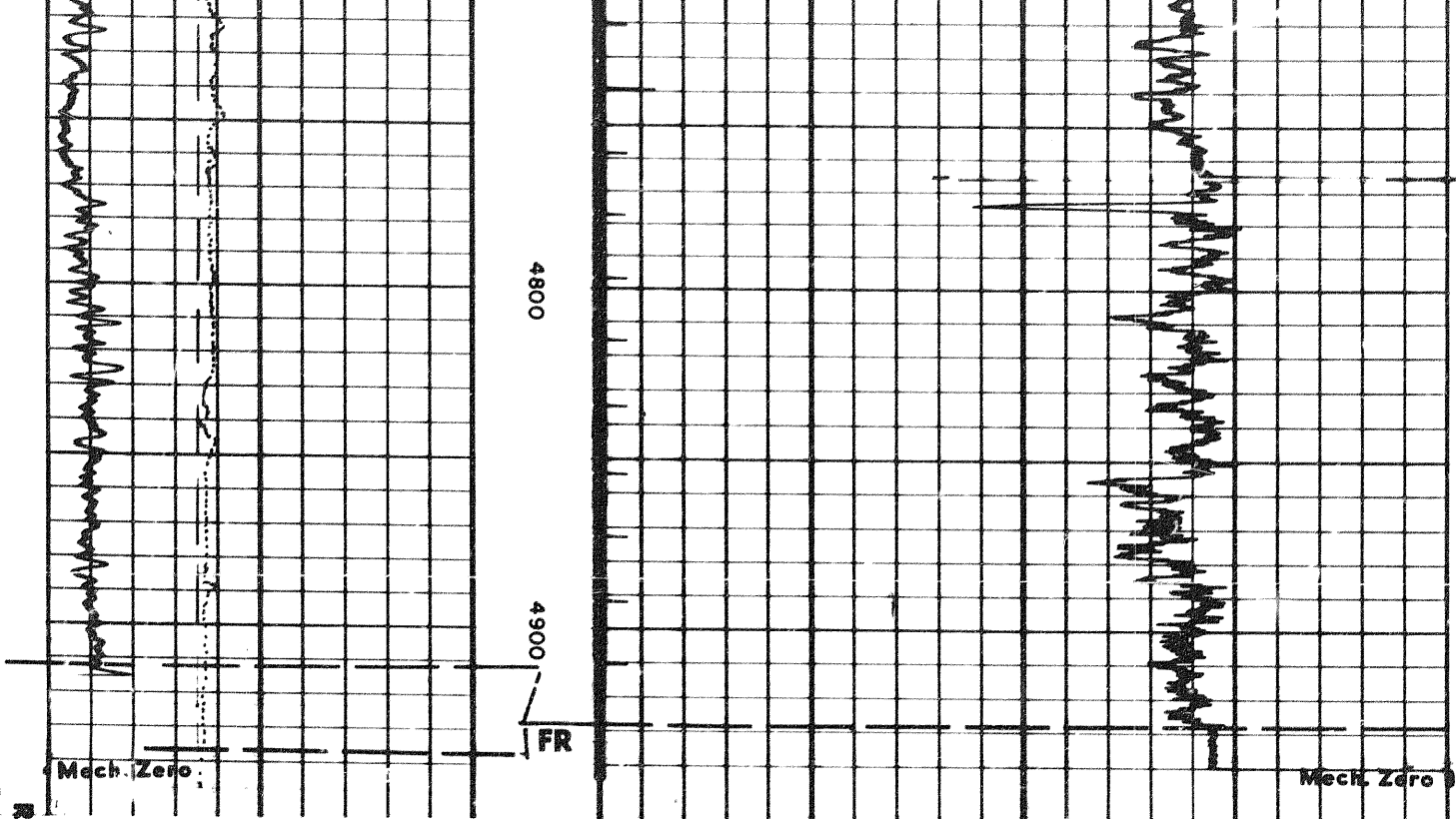


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4800



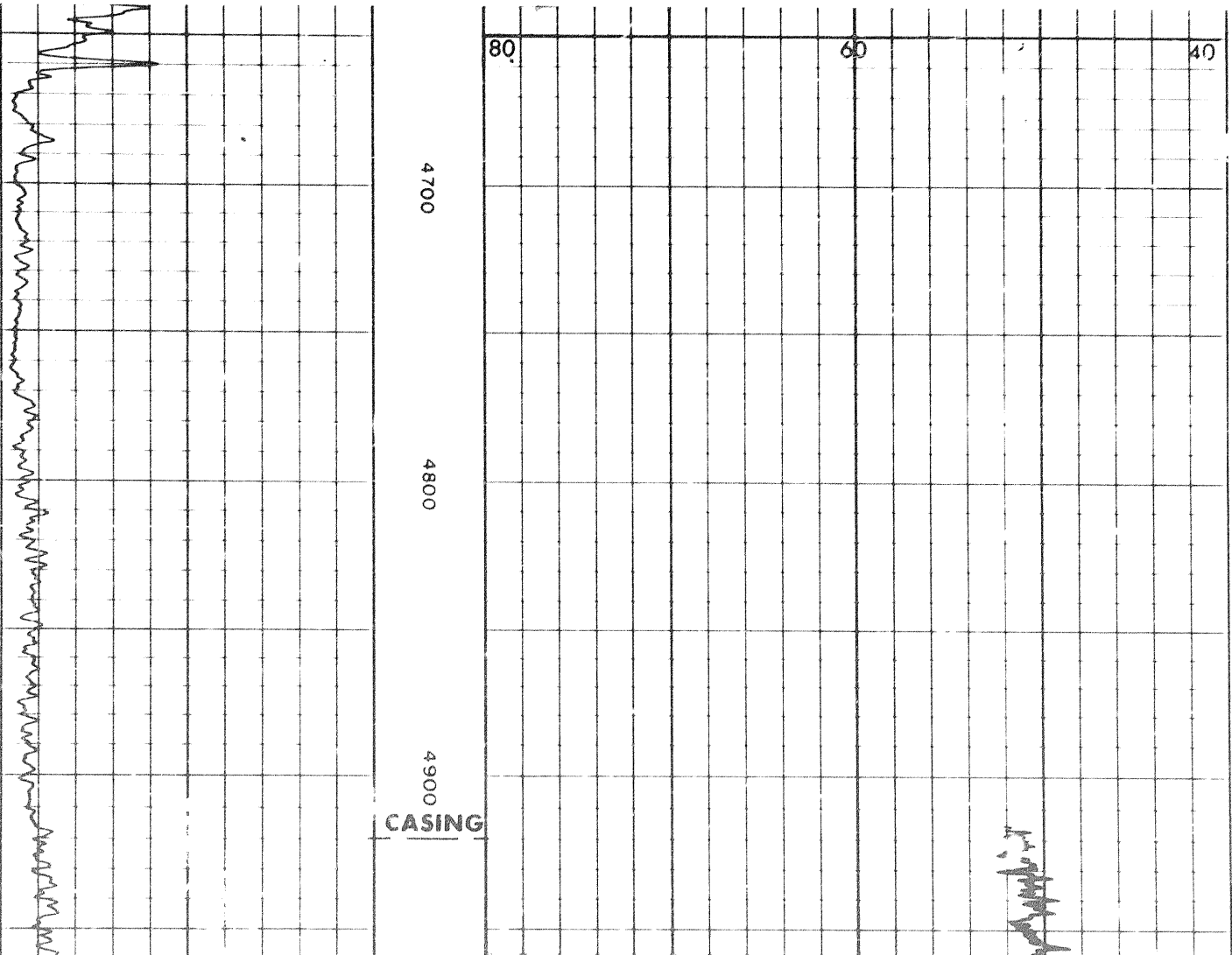
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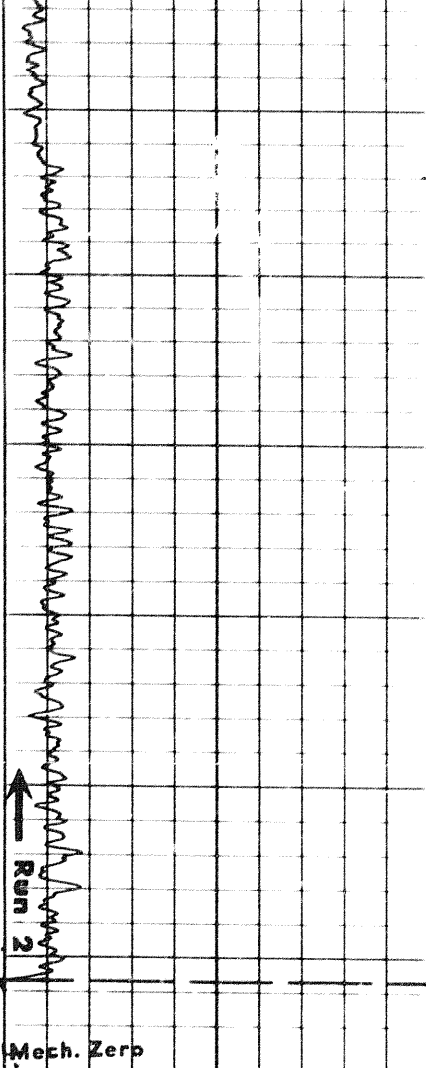


Run 1

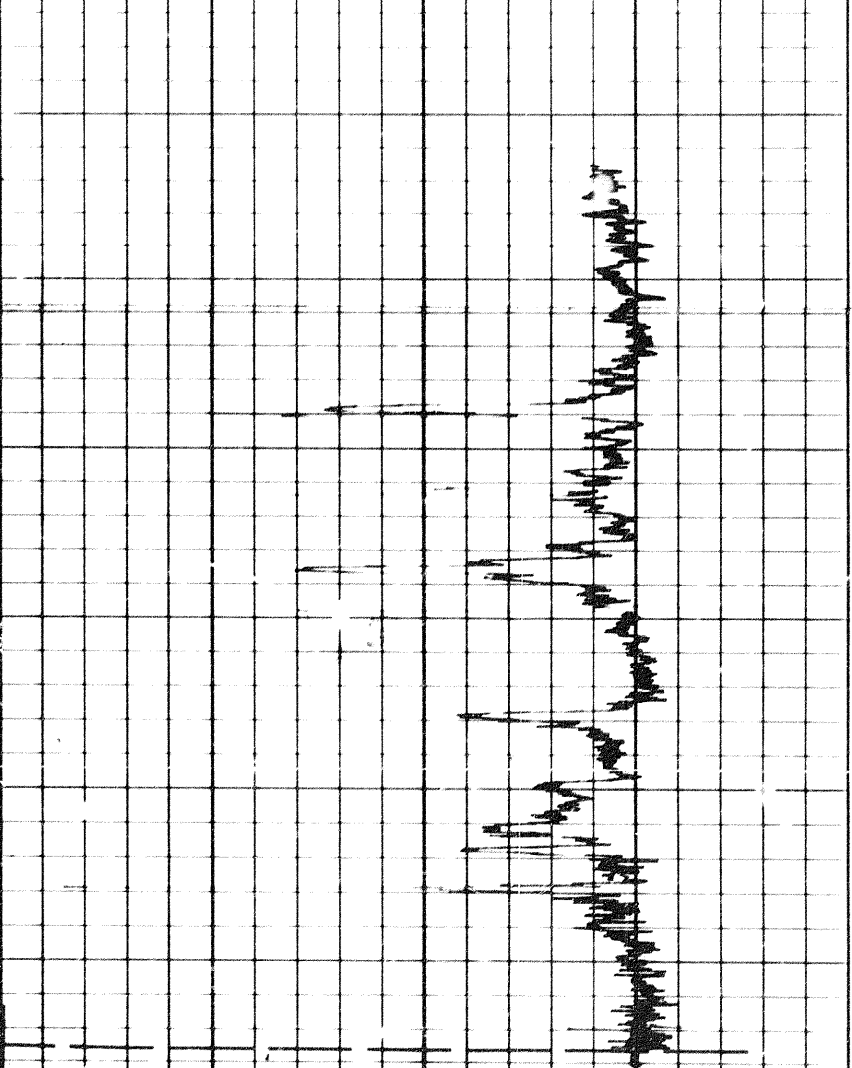
↔

Run 2





4900
CASING
 5000
 5100
 FR



GAMMA RAY
 API UNITS

SONIC
 INTERVAL TRANSIT TIME
 microseconds per foot

DEPTHS

Speed in FPM →

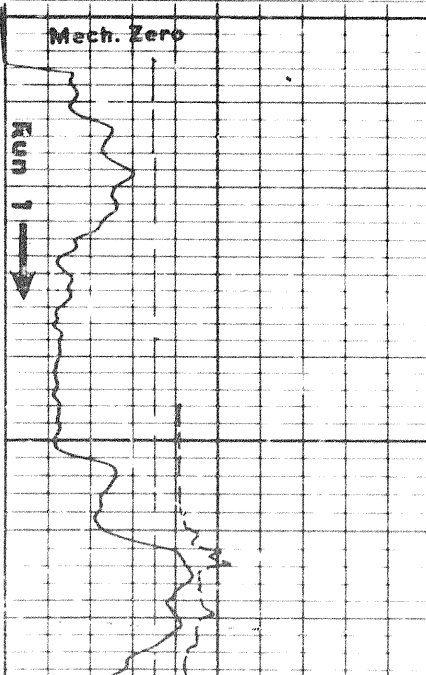
Sens. 300	T.C. 2
Zero 0	div. to left
0	120
120	240

←

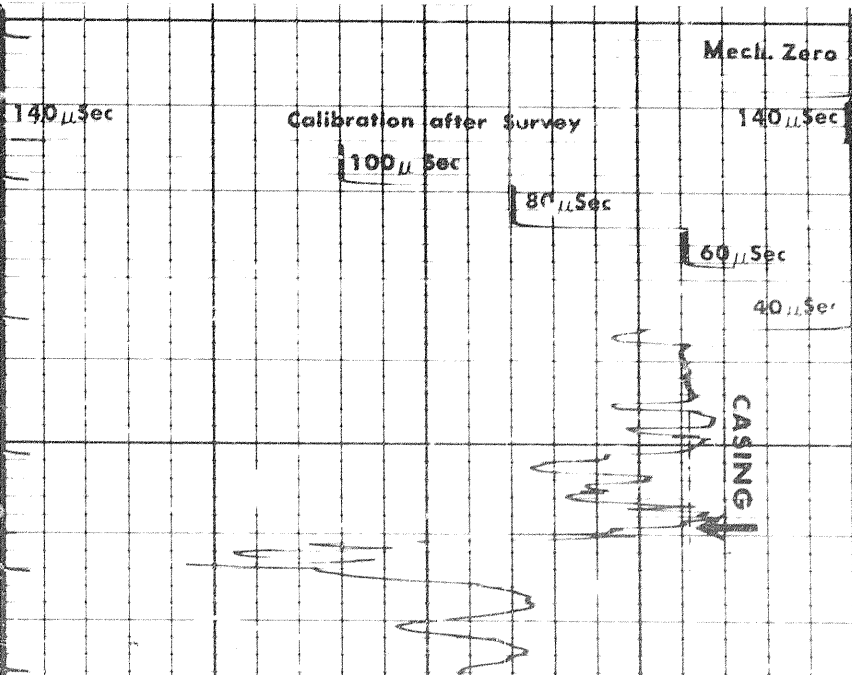
140	90	40
240	190	140

CALIPER
 hole diameter in inches

6	7	8	9	10	11	12	13	14
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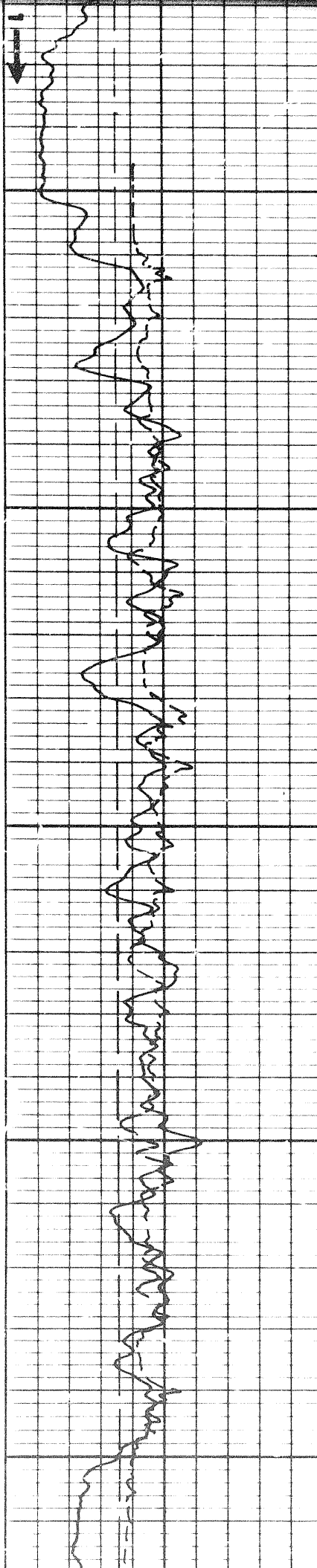
0800
CASING



Calibration after Survey

140 μ Sec	140 μ Sec
100 μ Sec	
80 μ Sec	
60 μ Sec	
40 μ Sec	

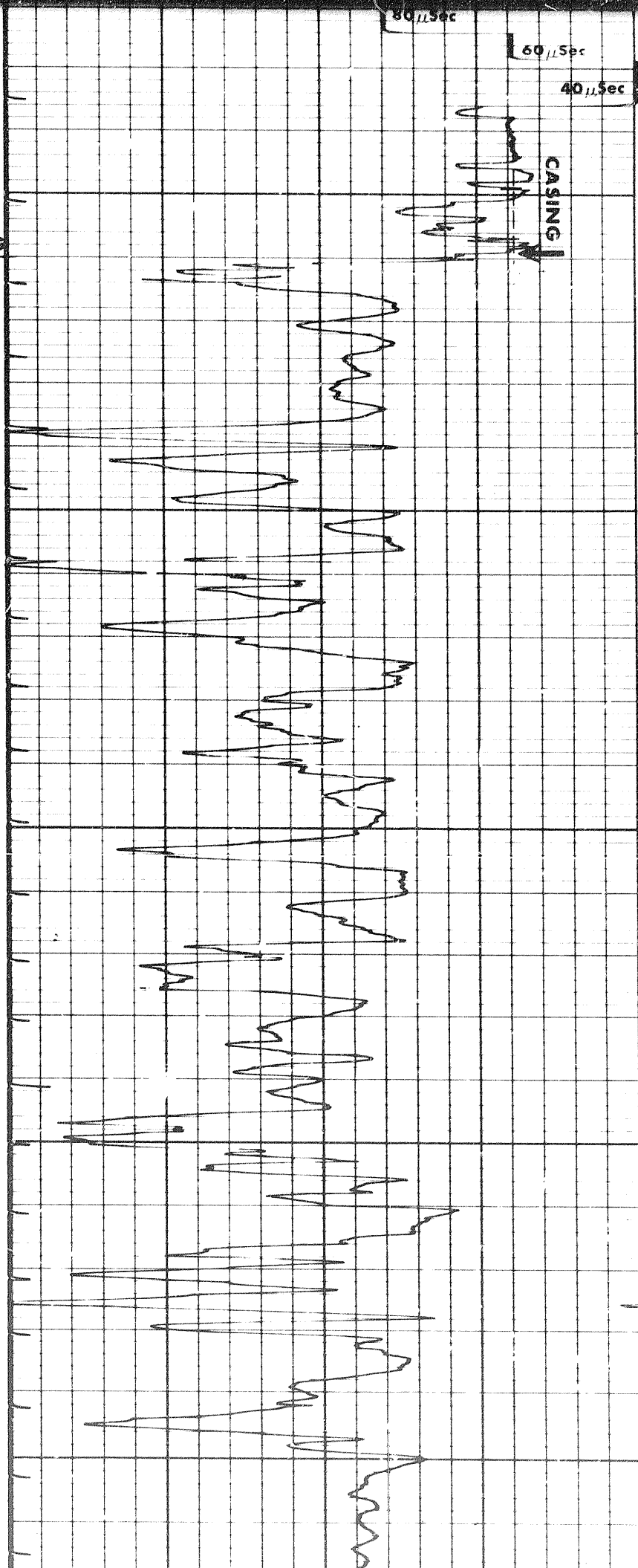
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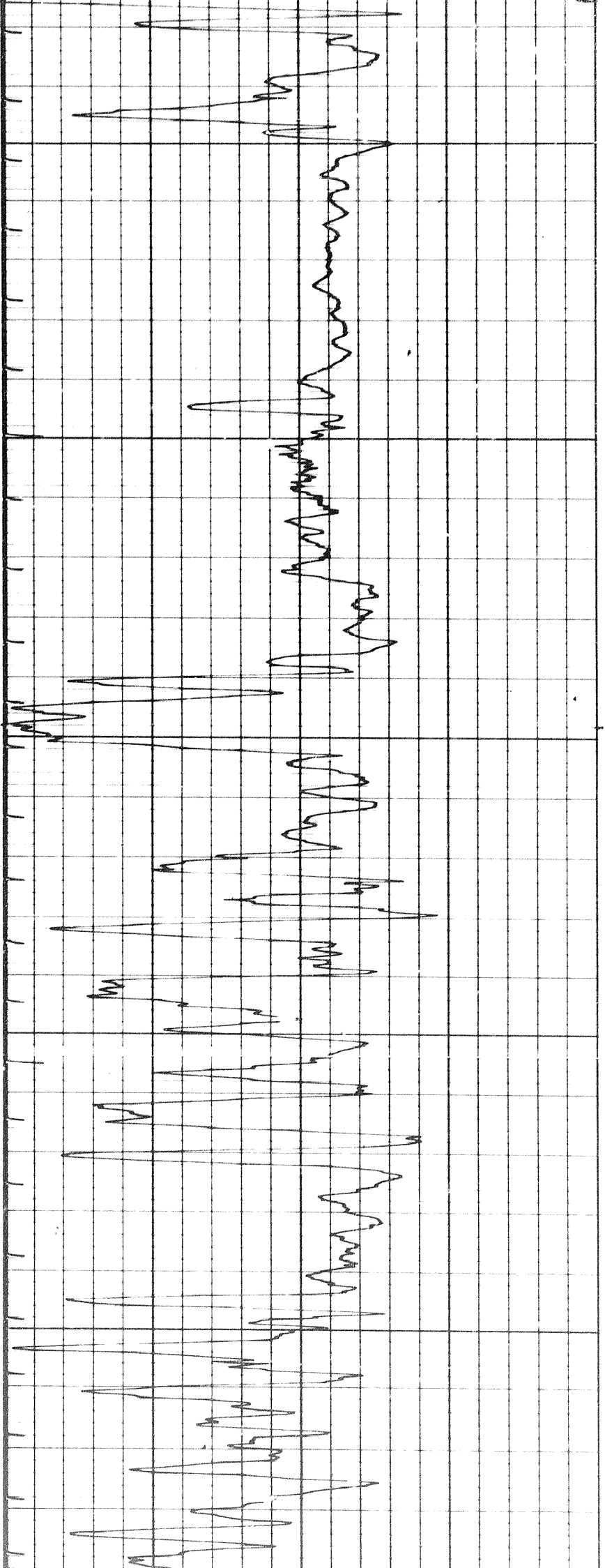
0080
CASING

0060

0000



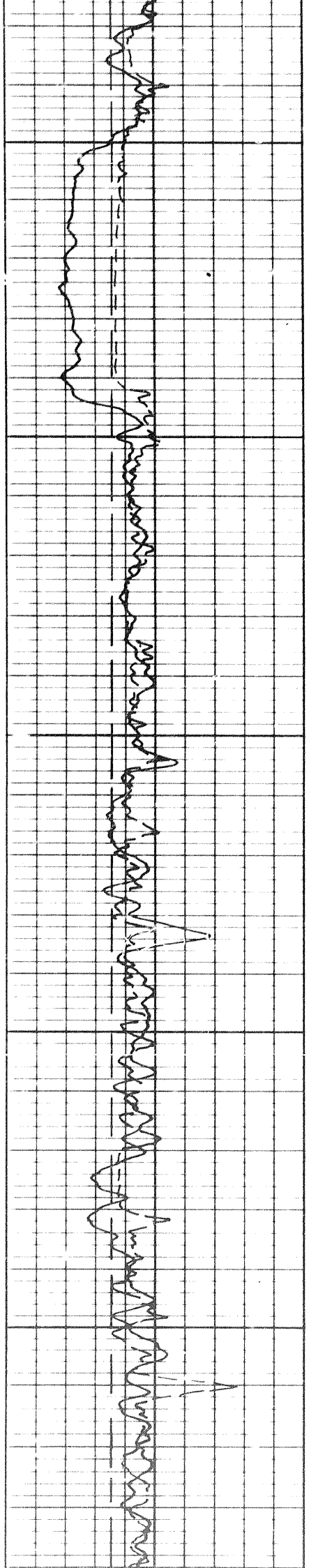
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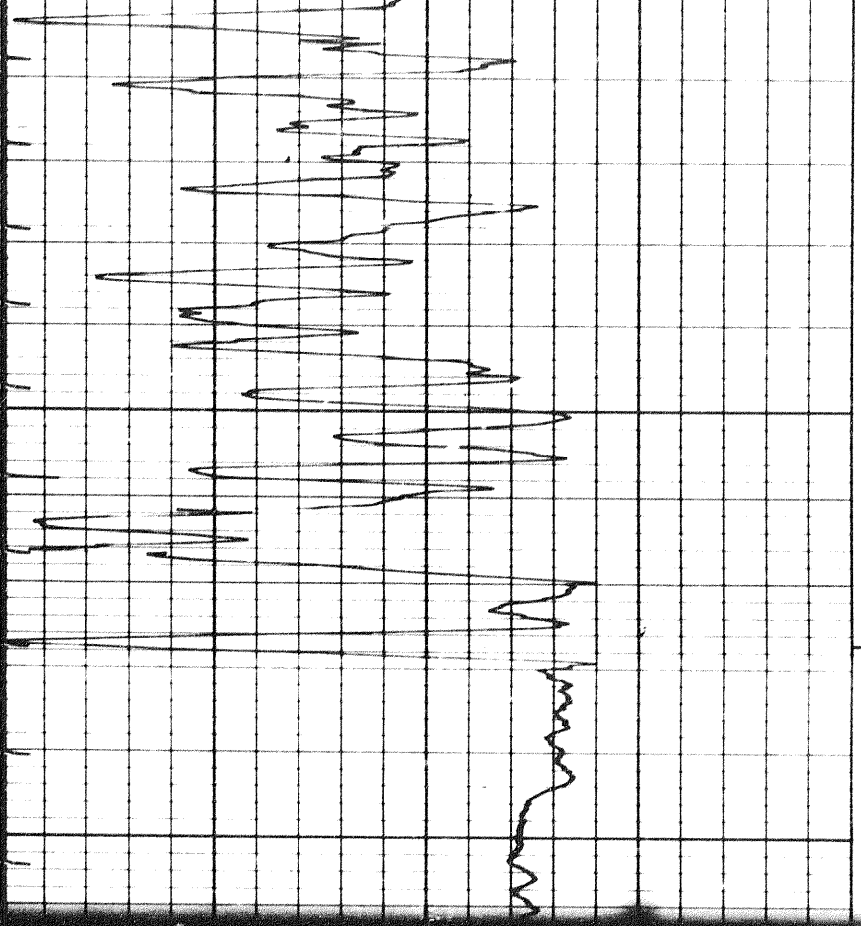


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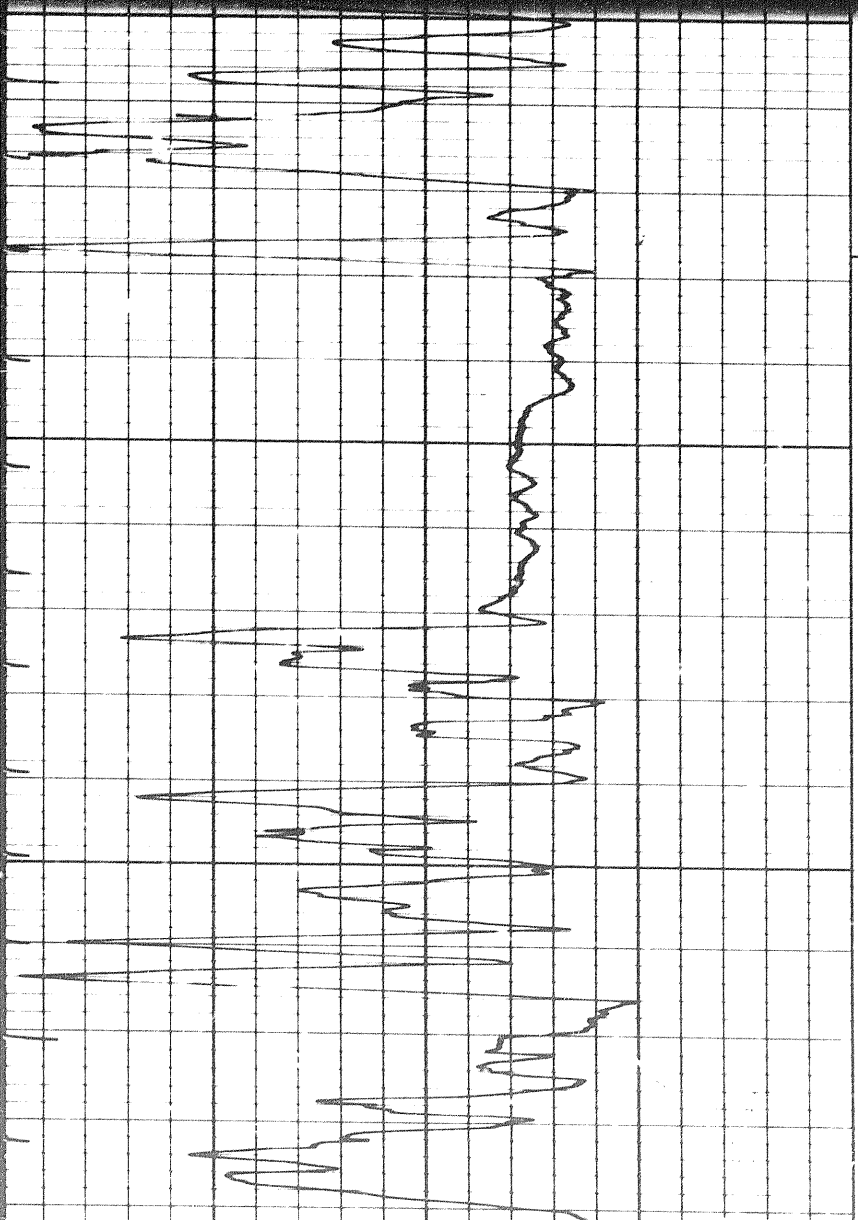
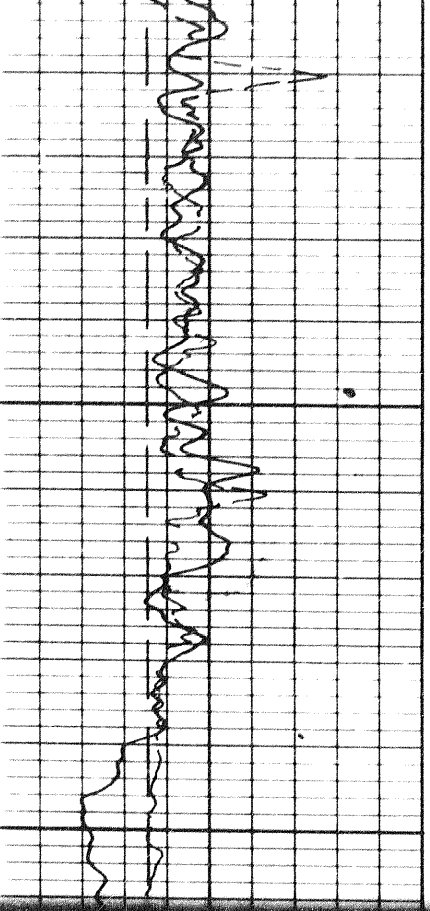
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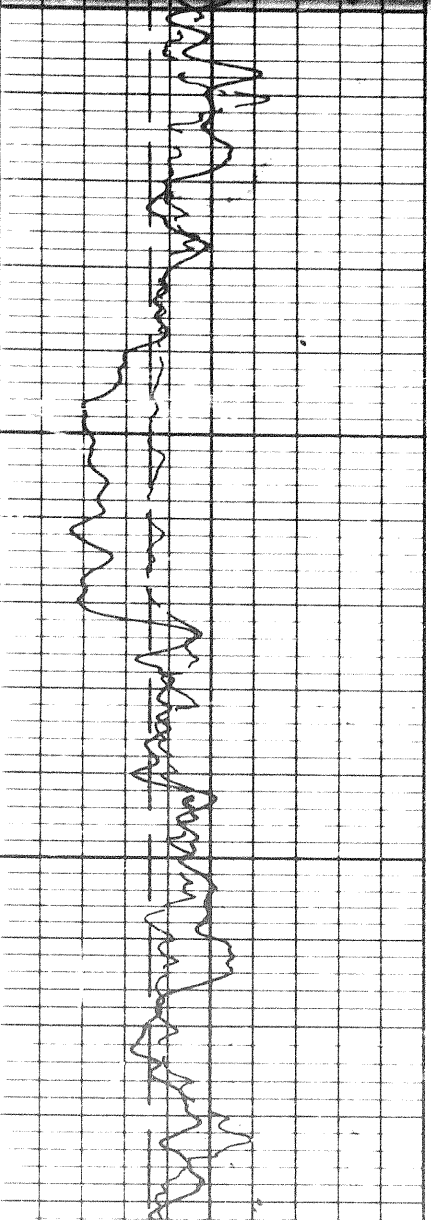


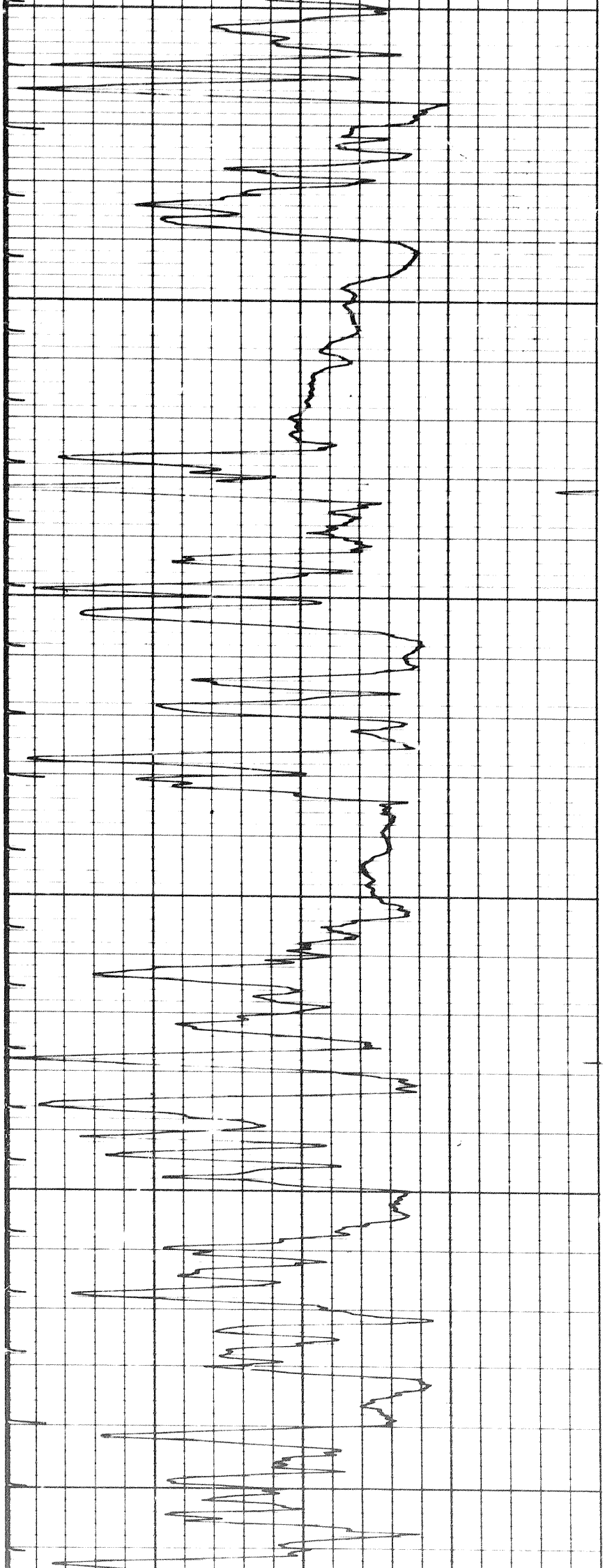


1300



1300

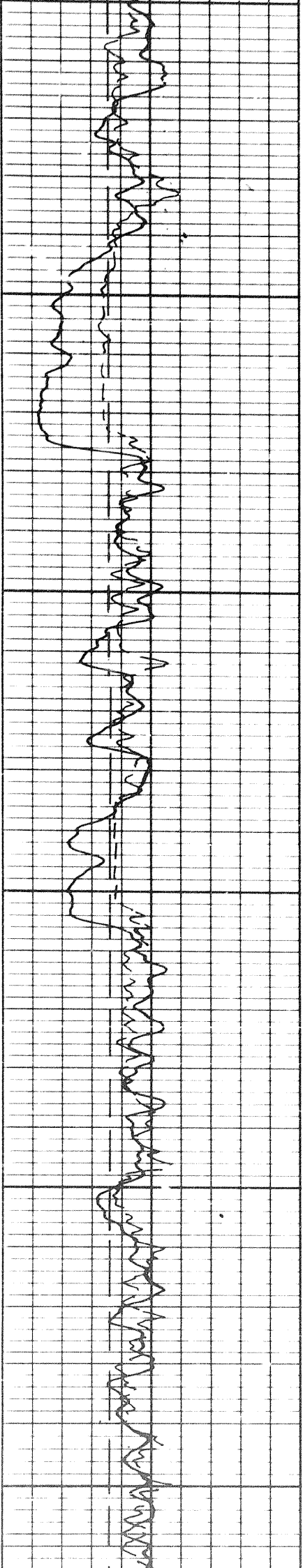


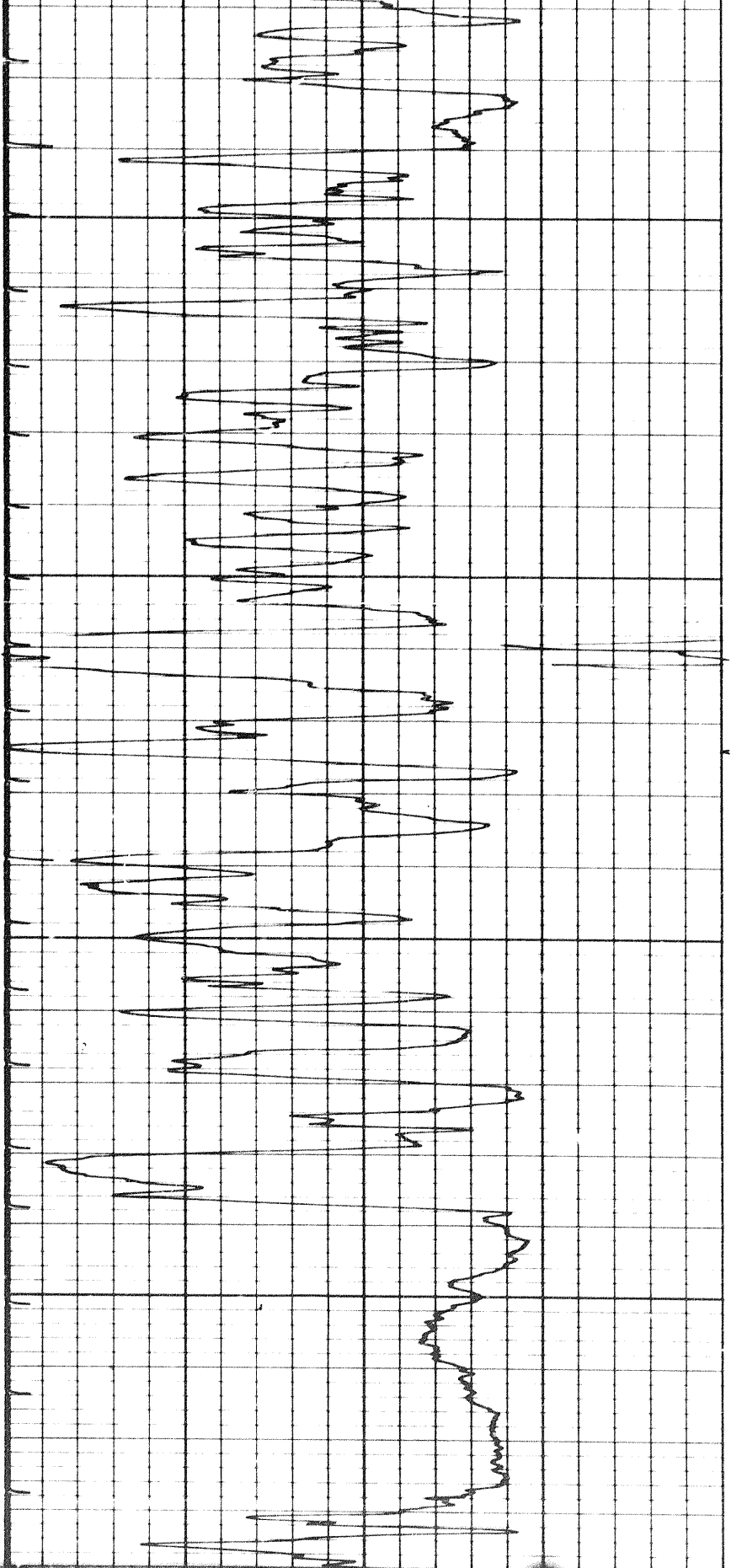


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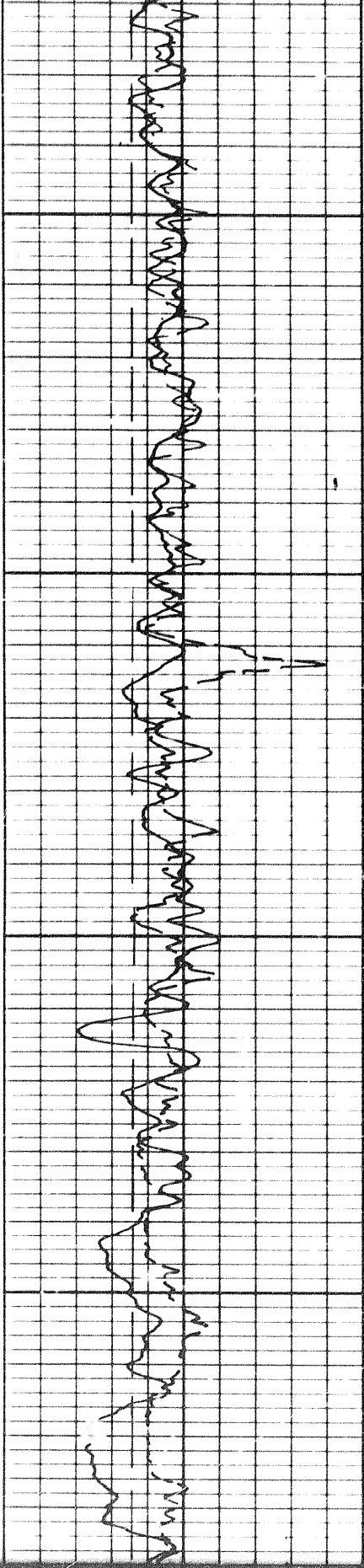
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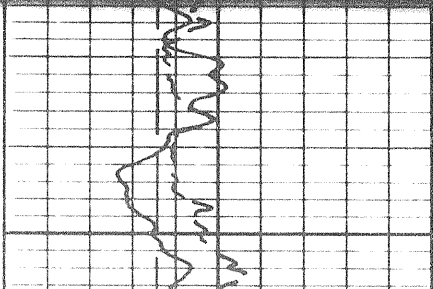
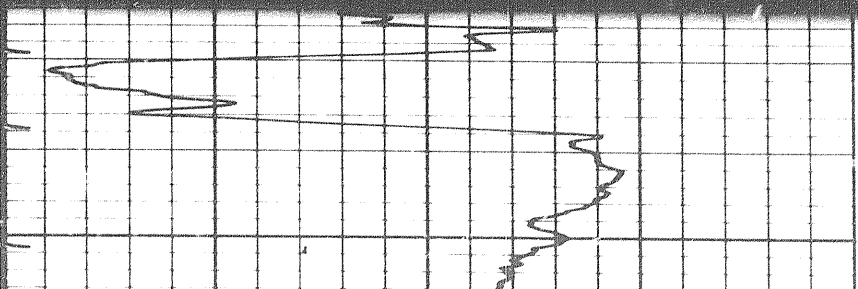


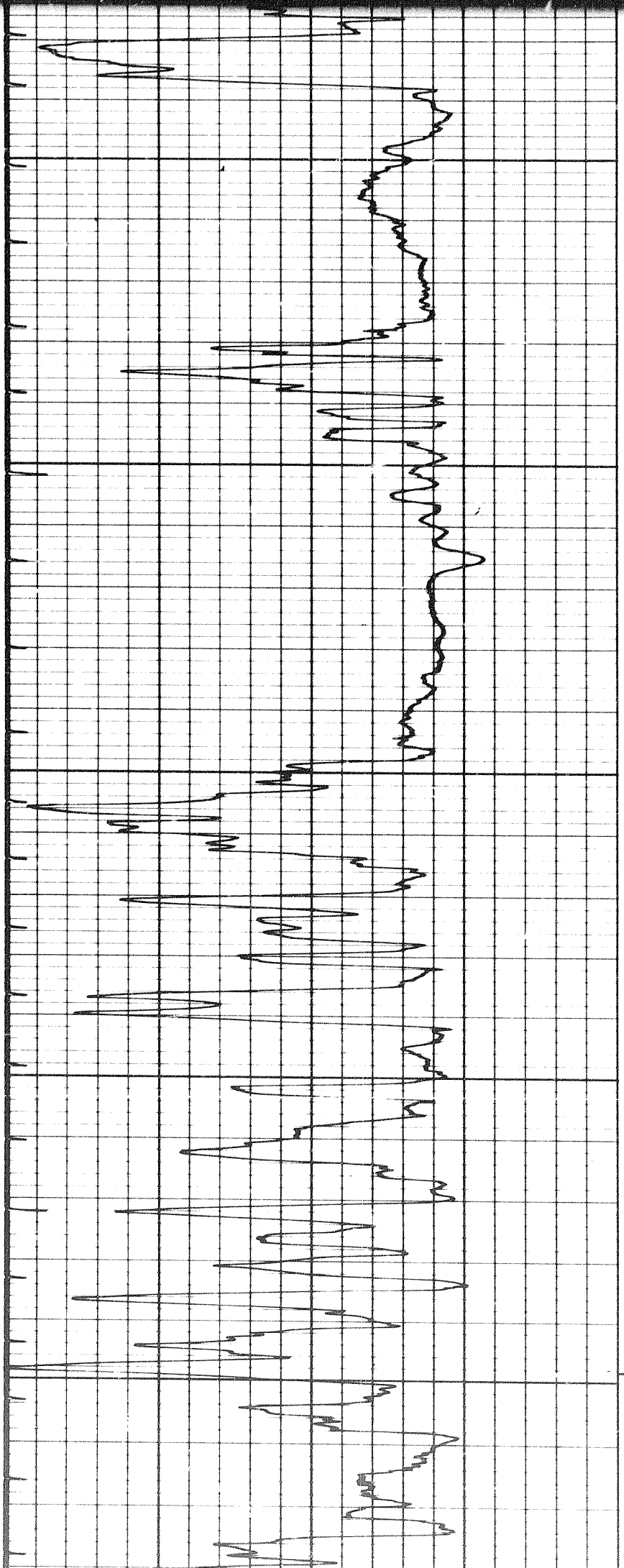
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1700



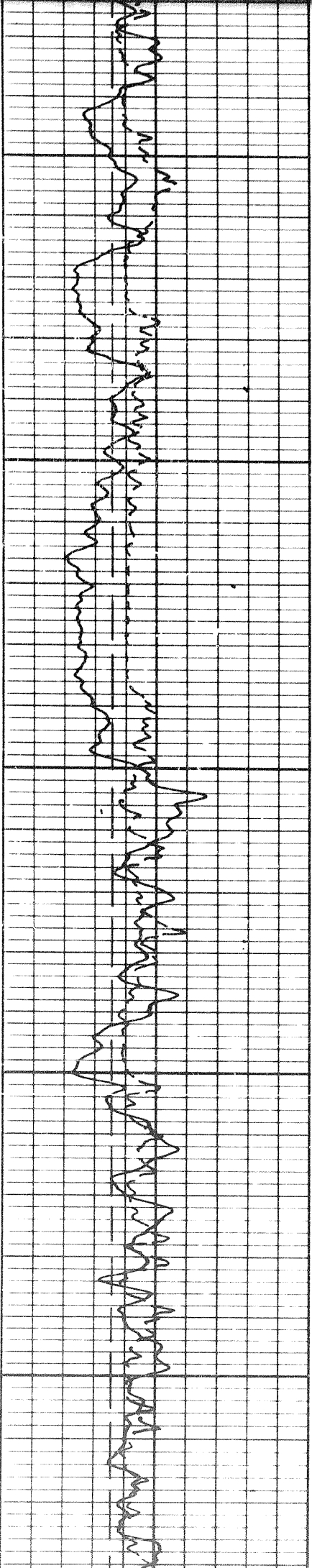
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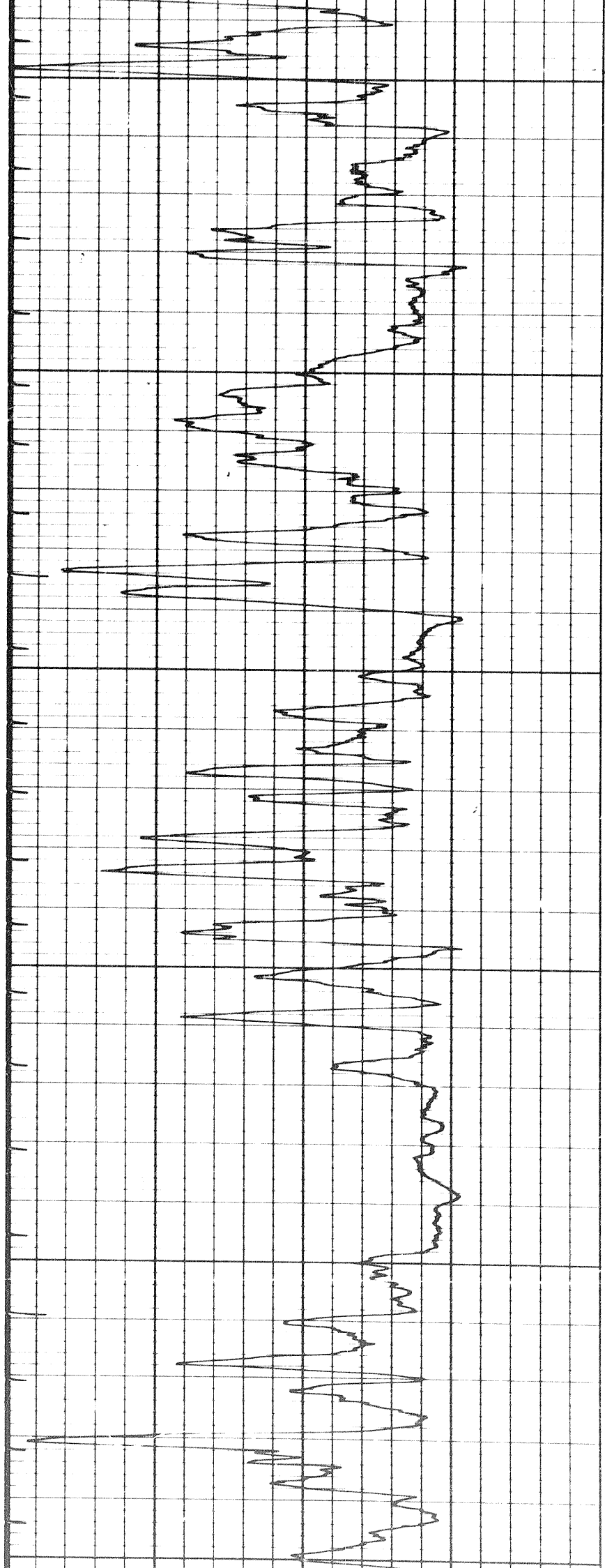




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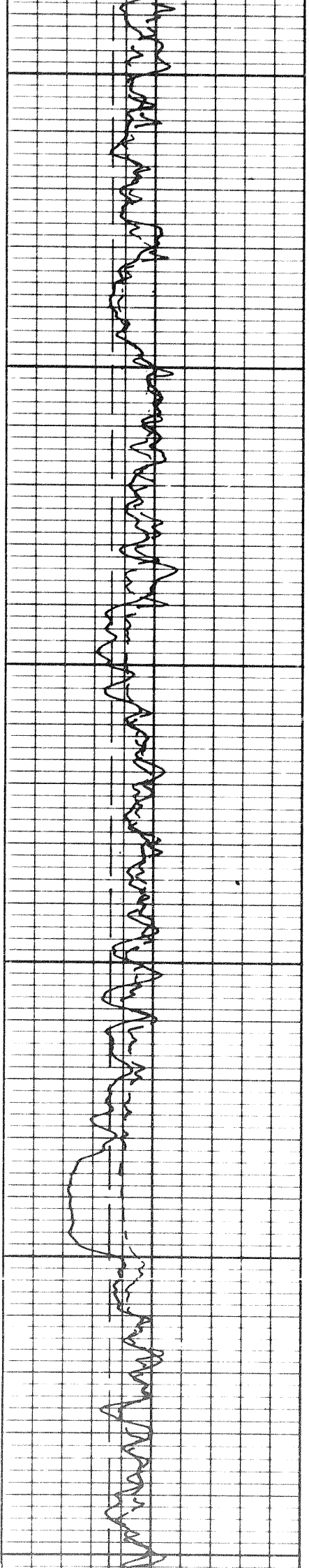




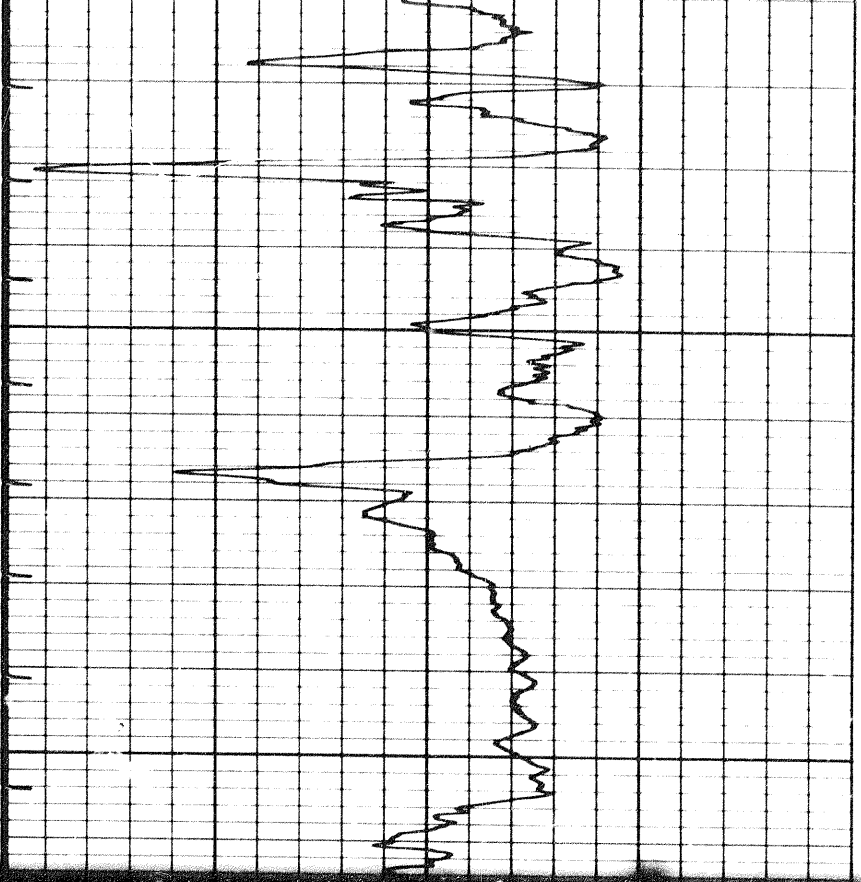
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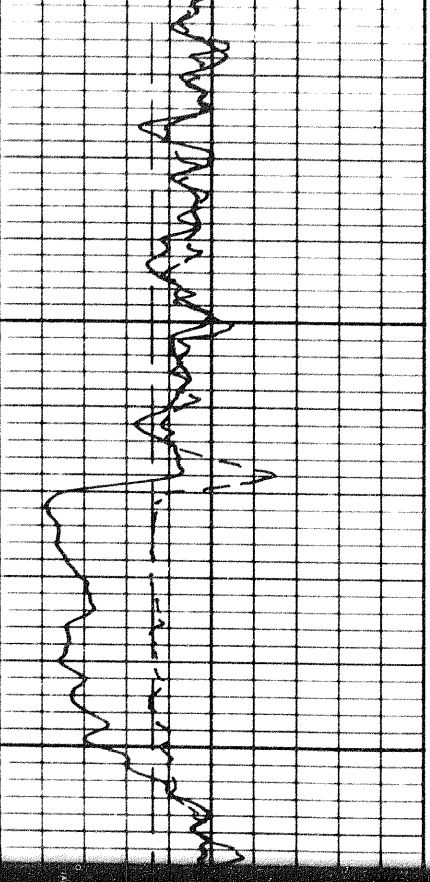
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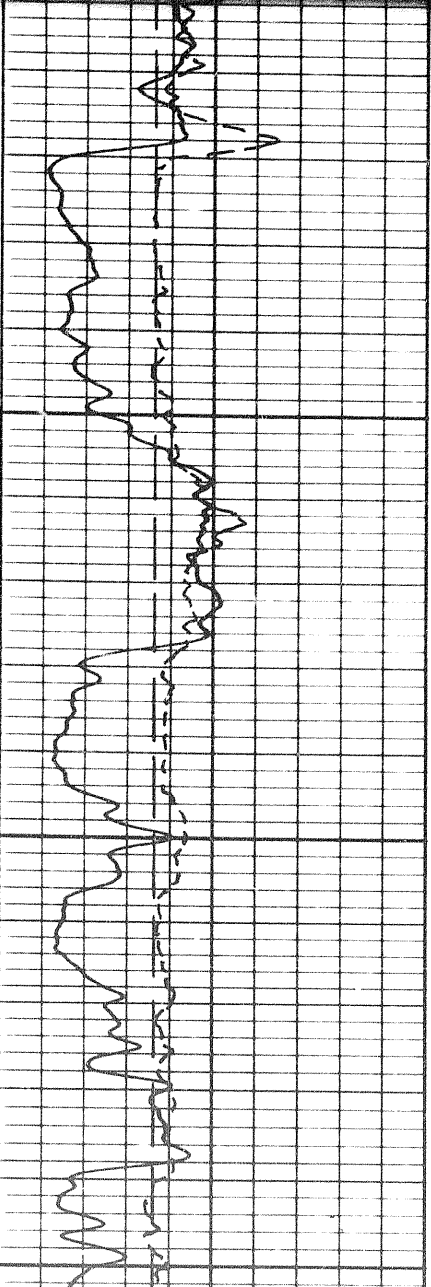
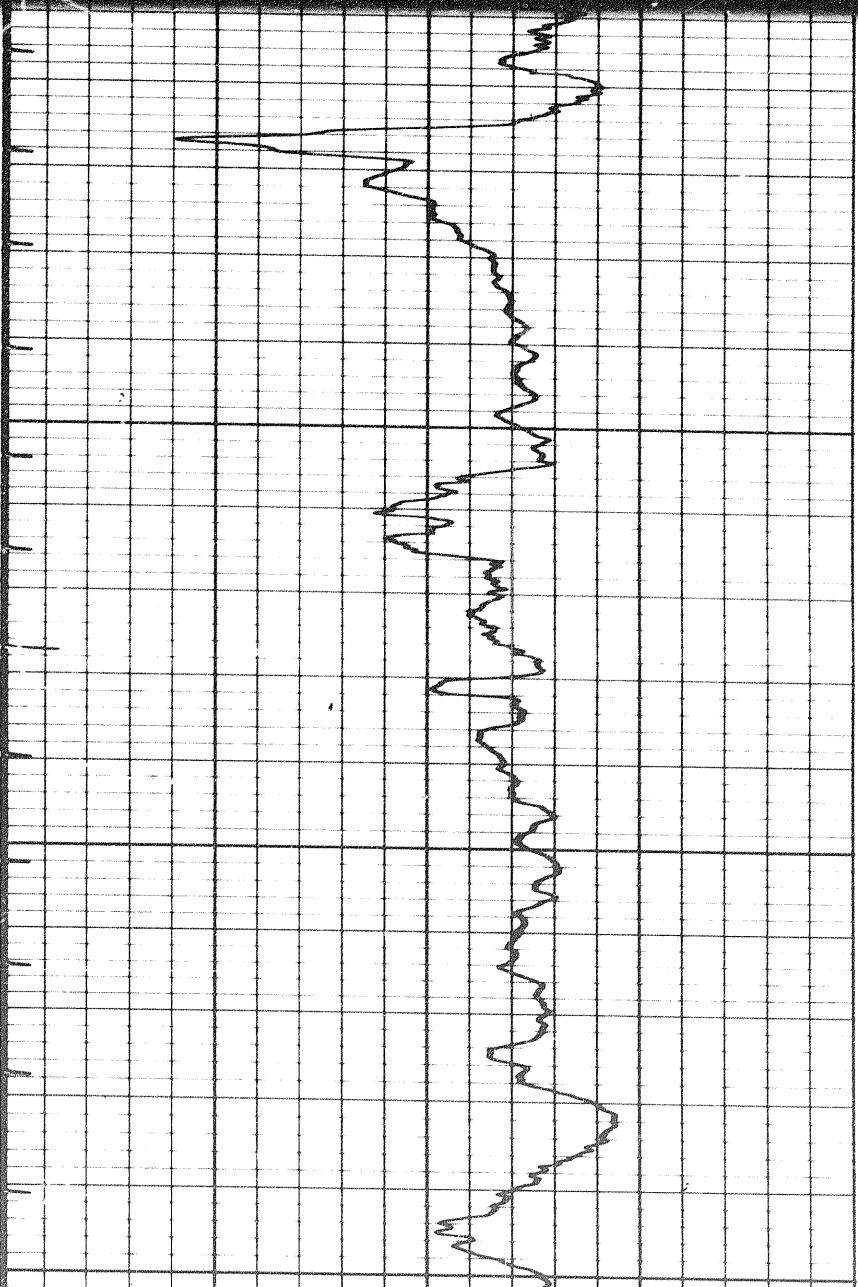
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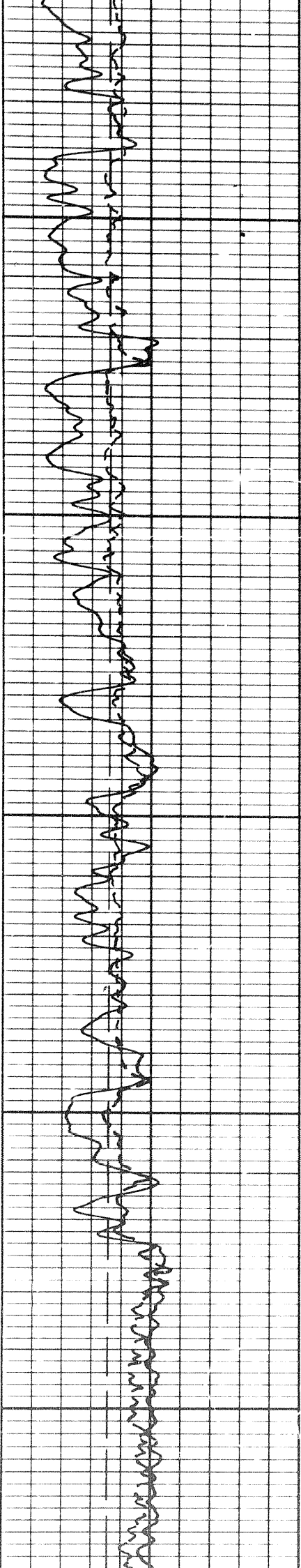


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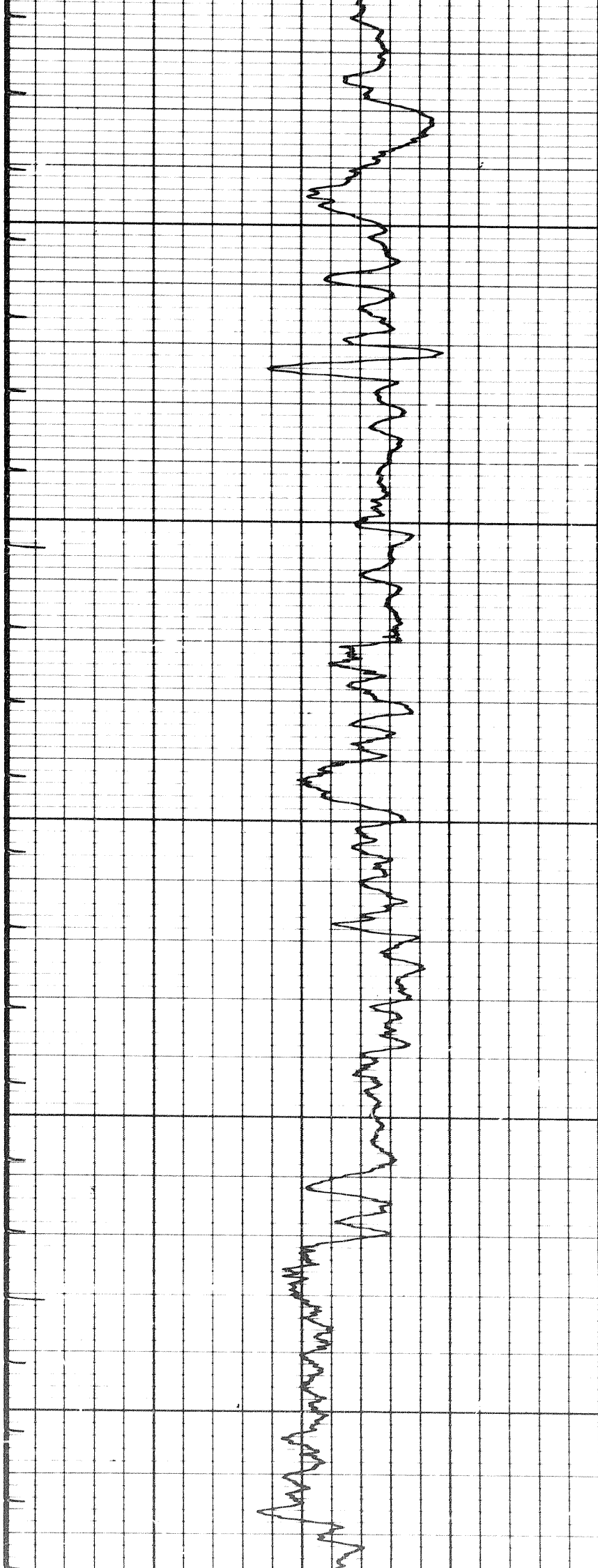
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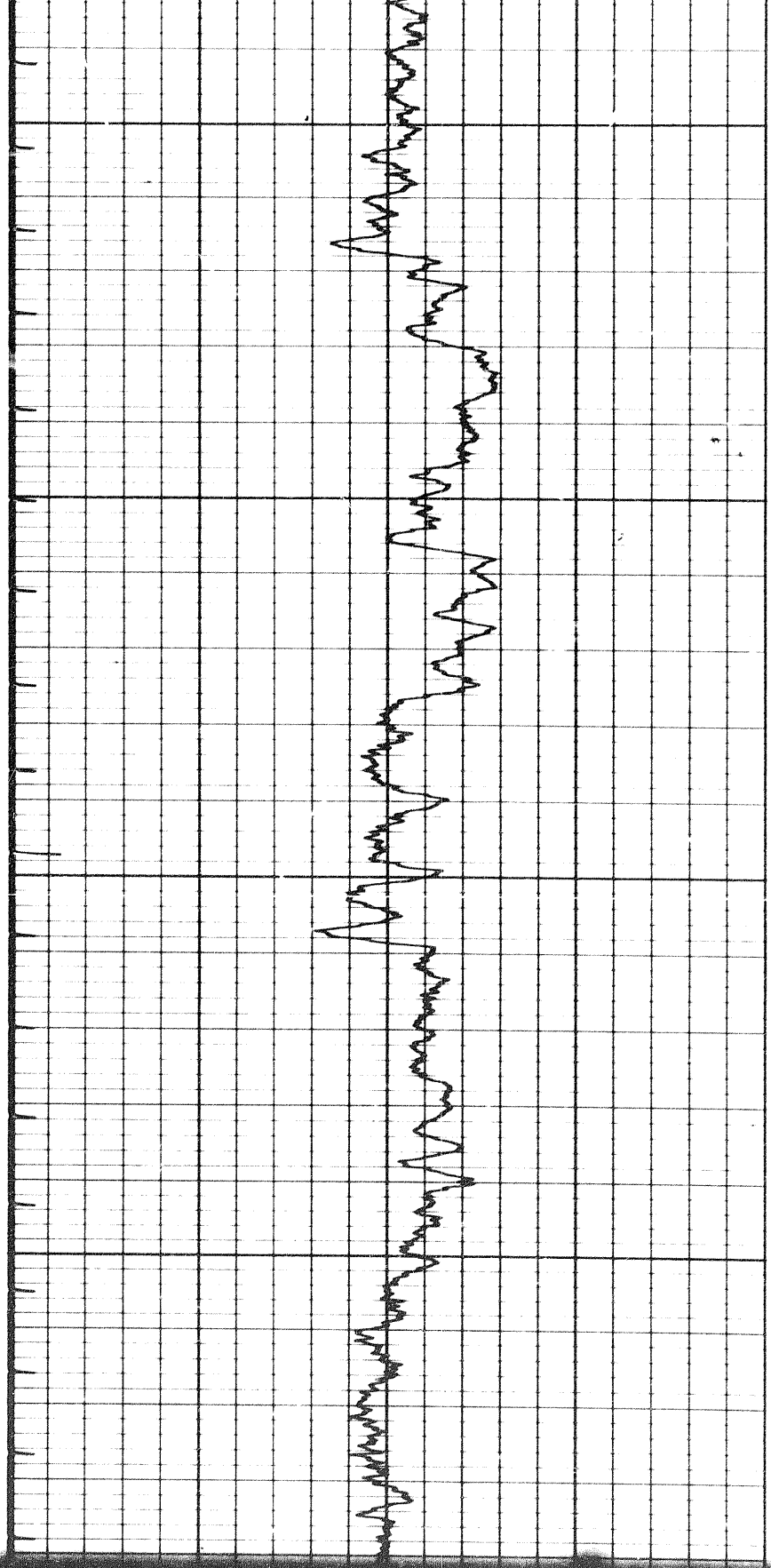


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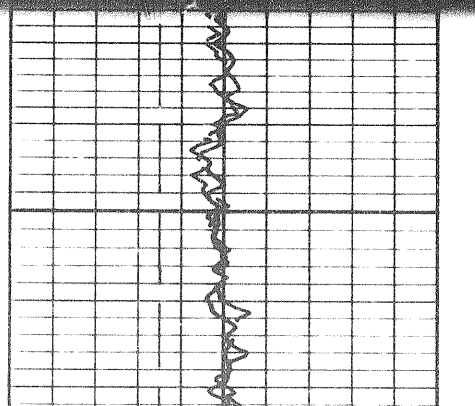


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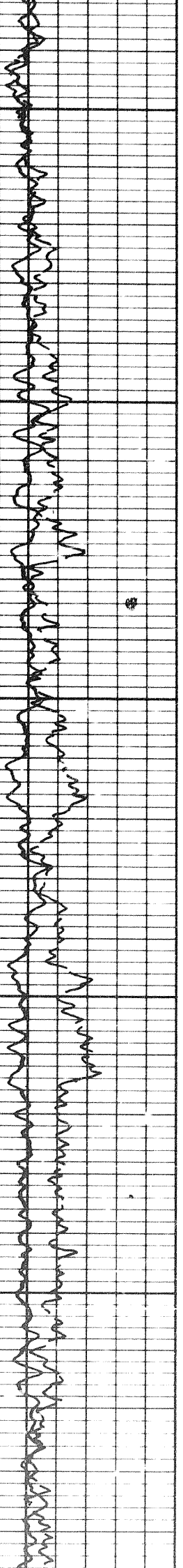
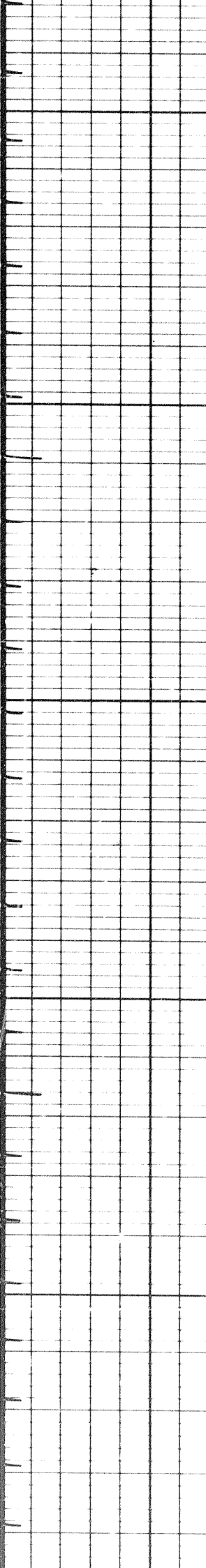
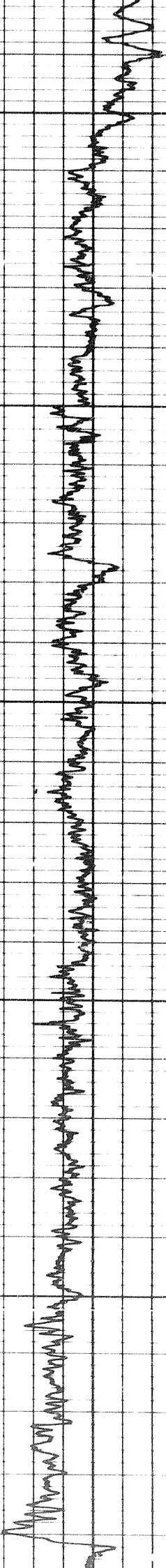


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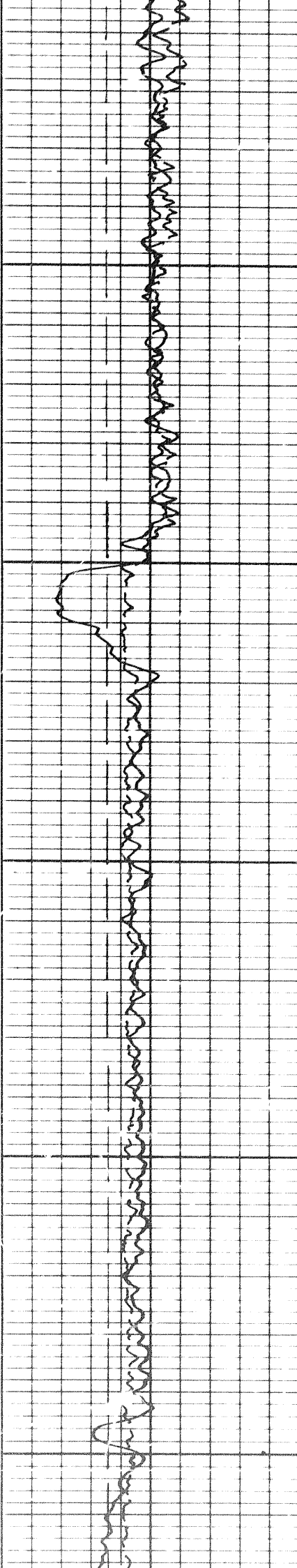
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2700

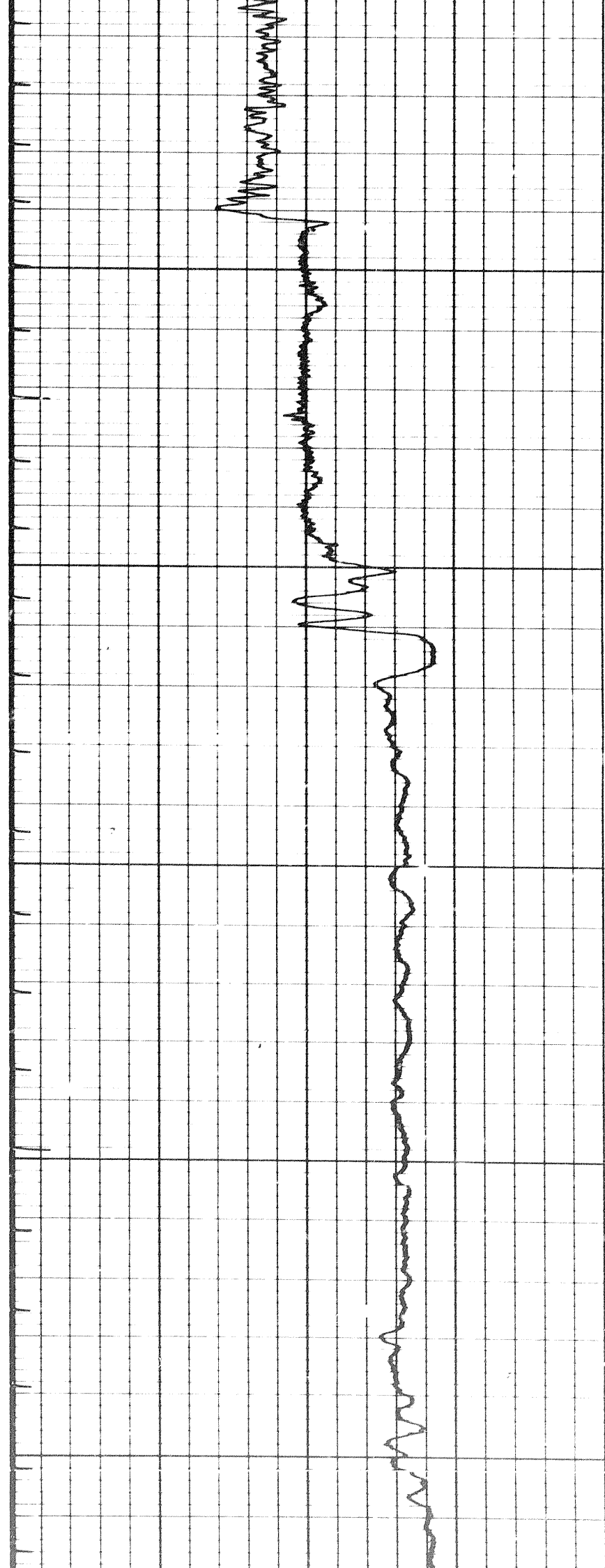
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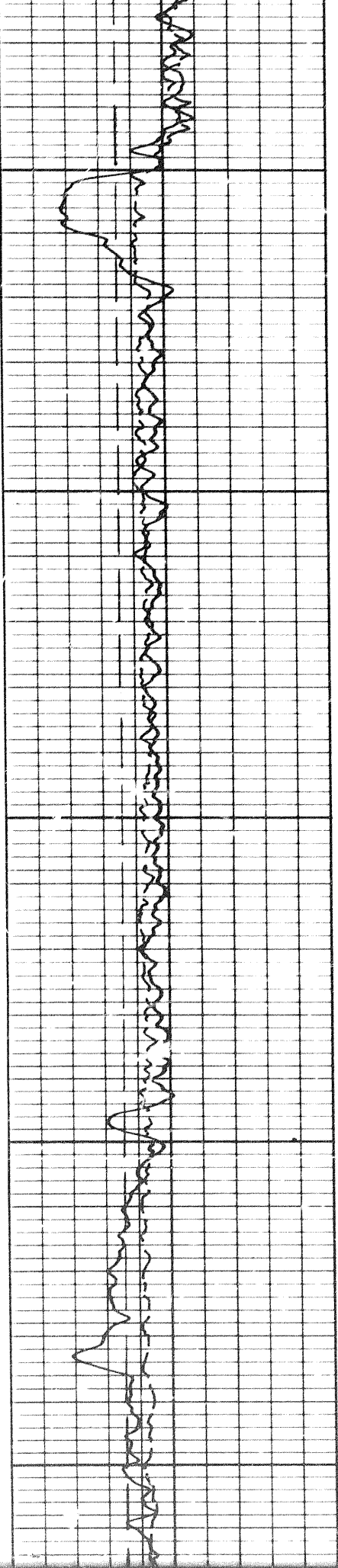


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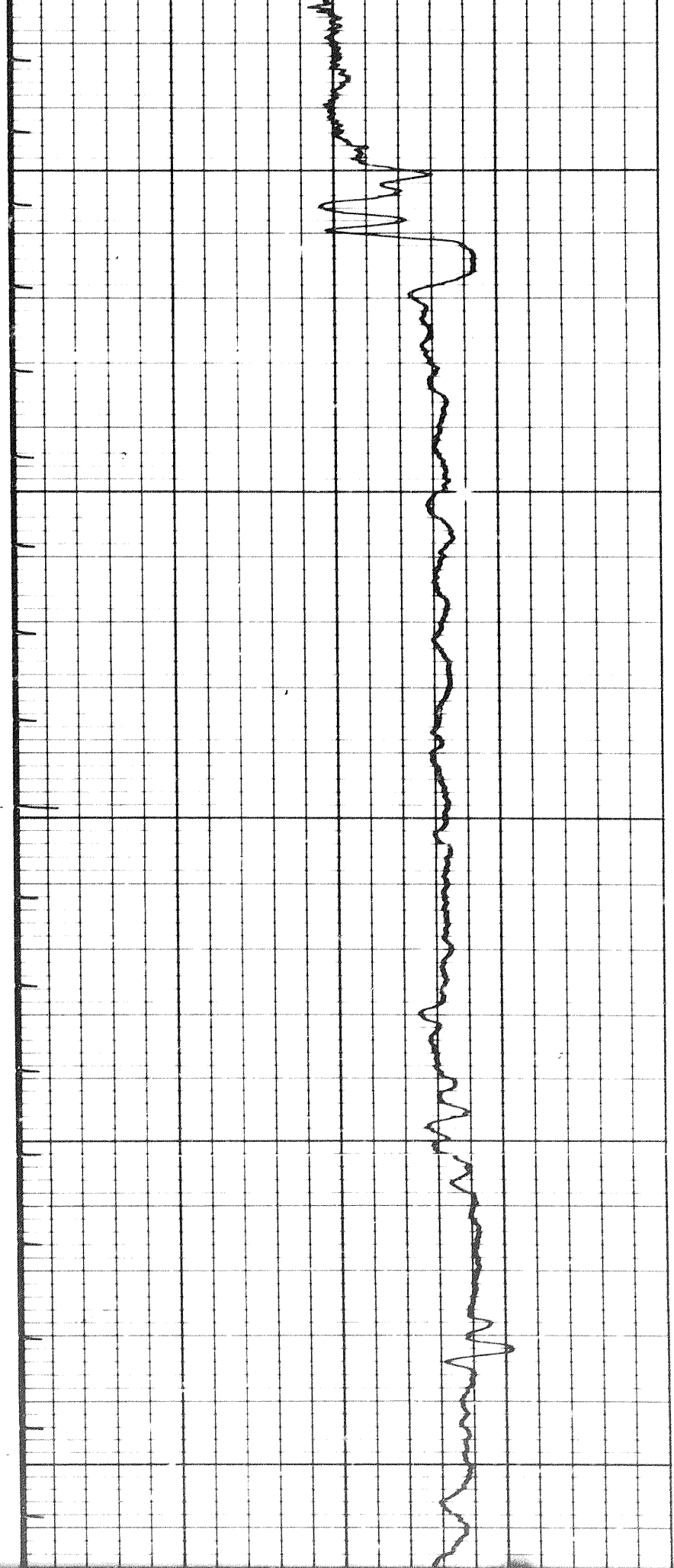
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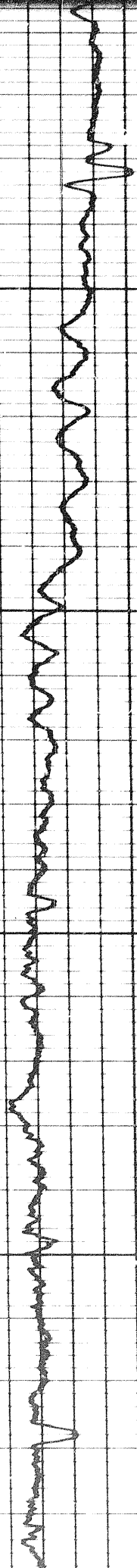


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3100

3200

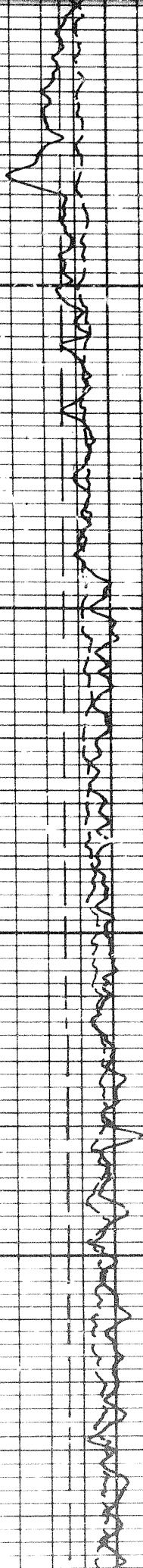


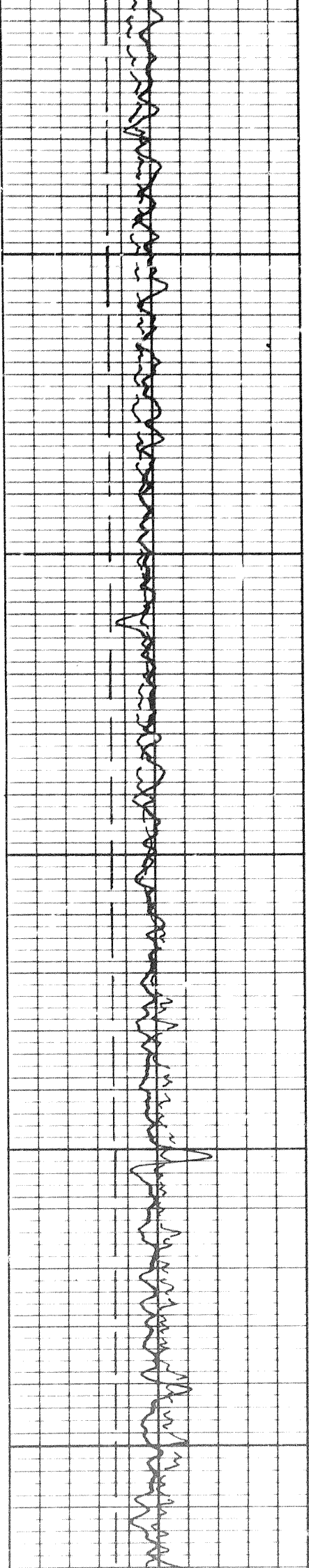


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3300

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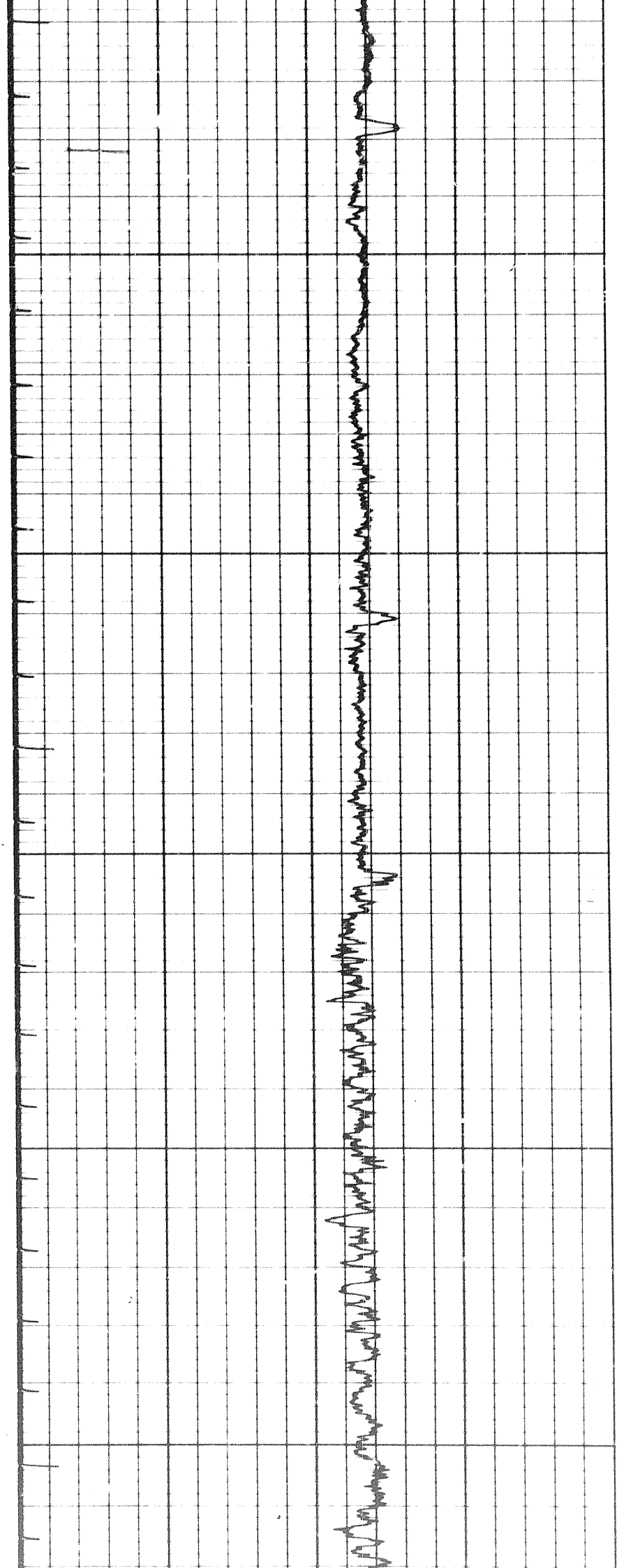




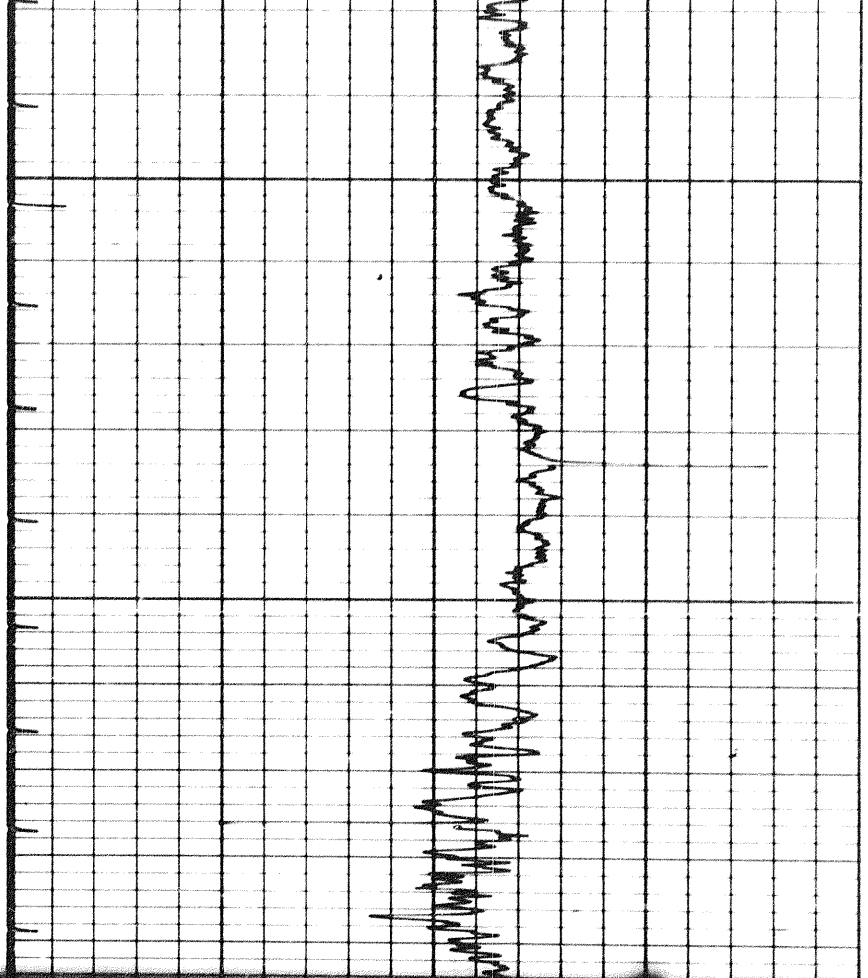
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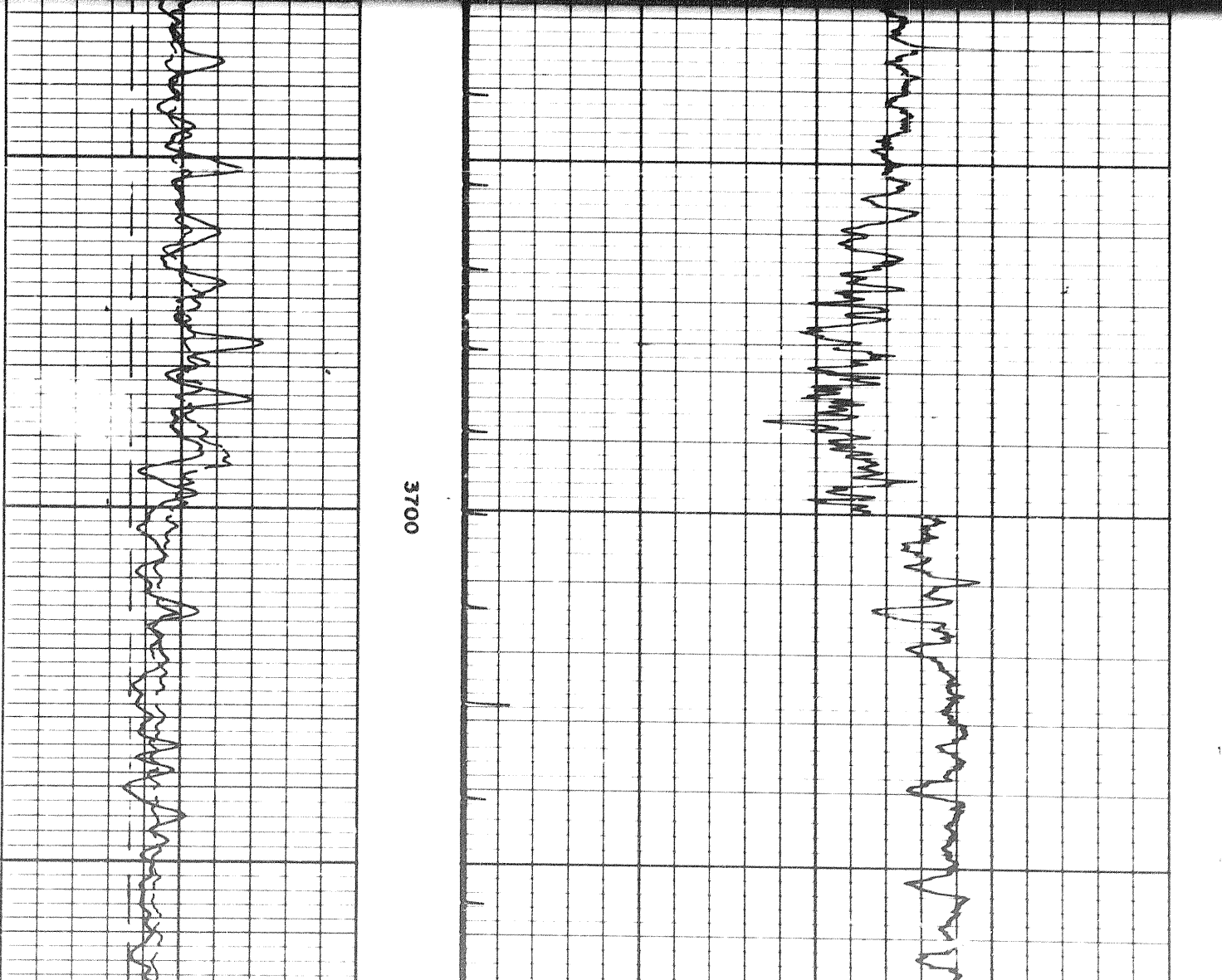
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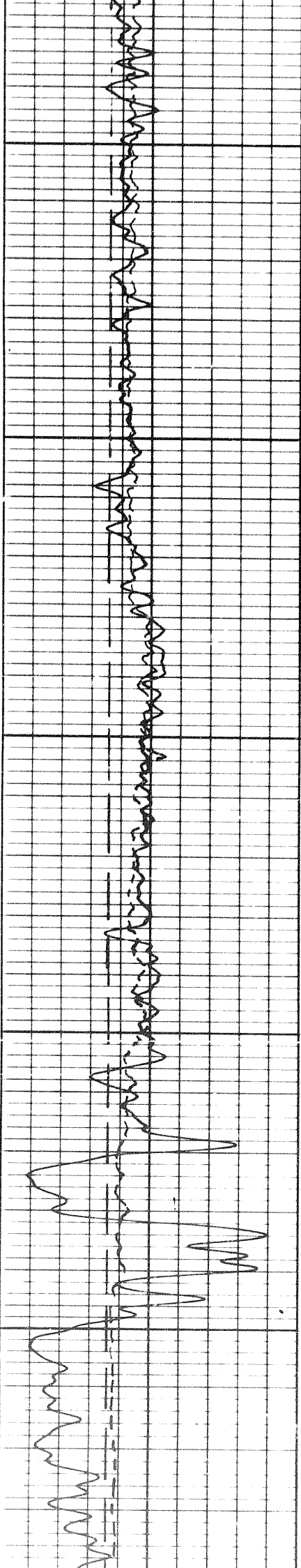
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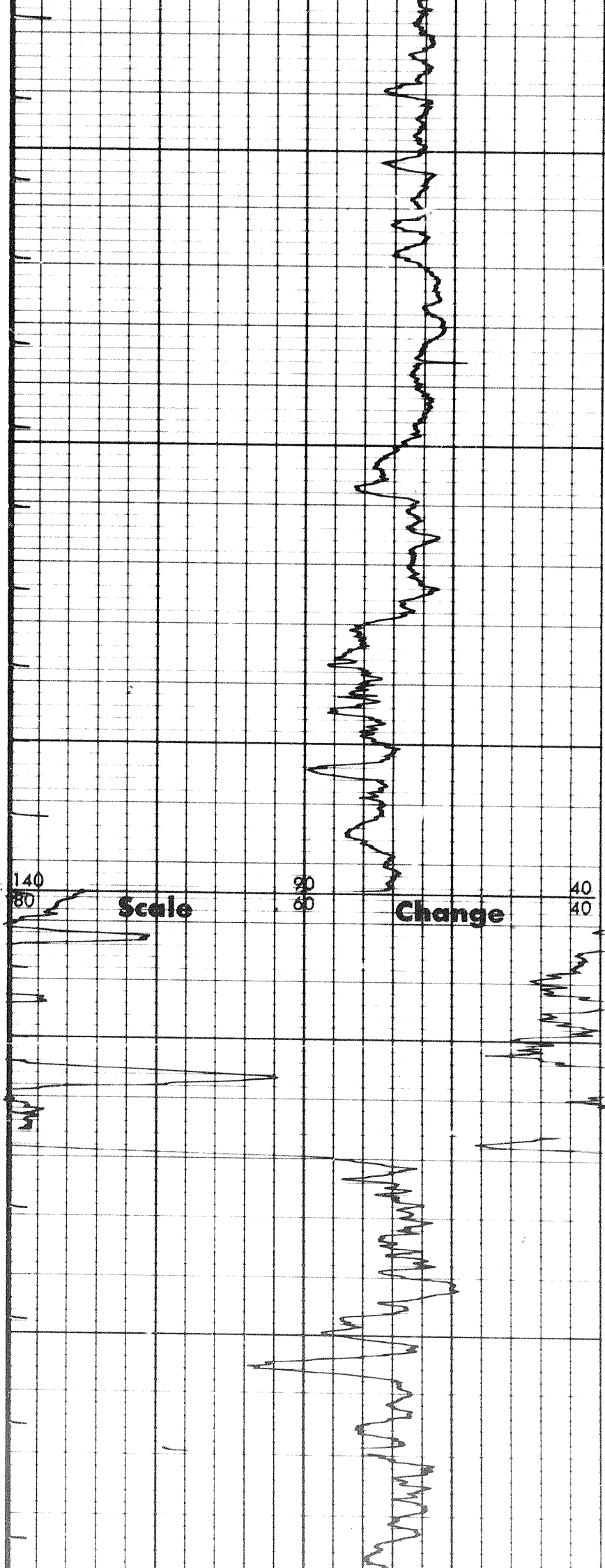


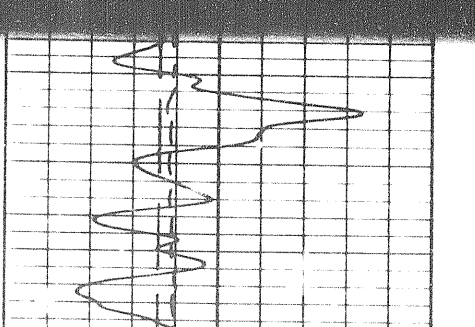
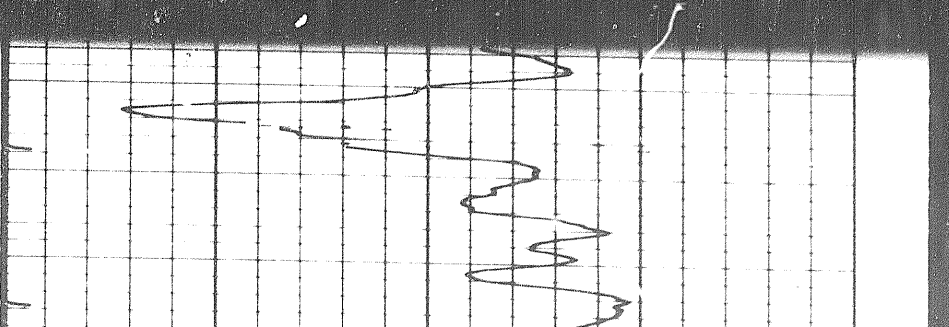
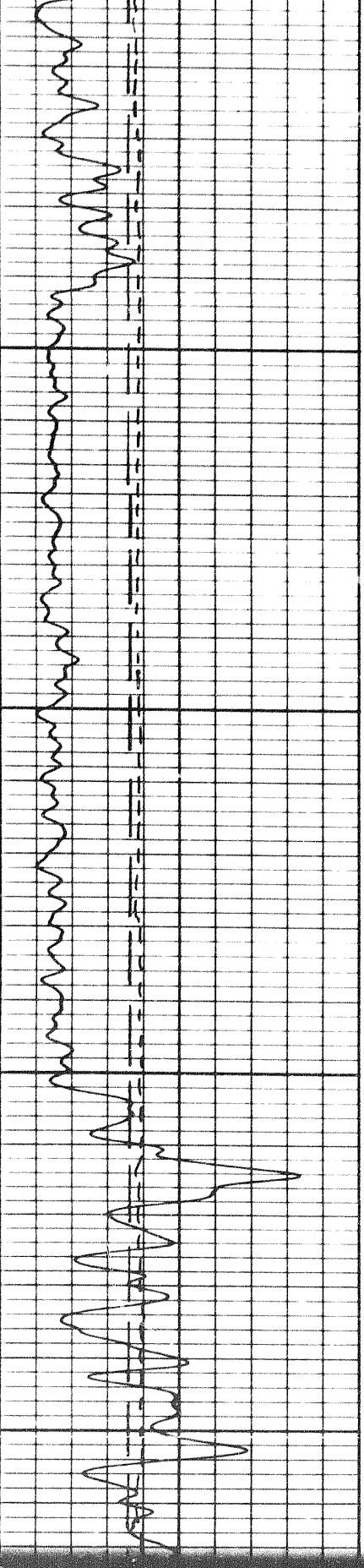
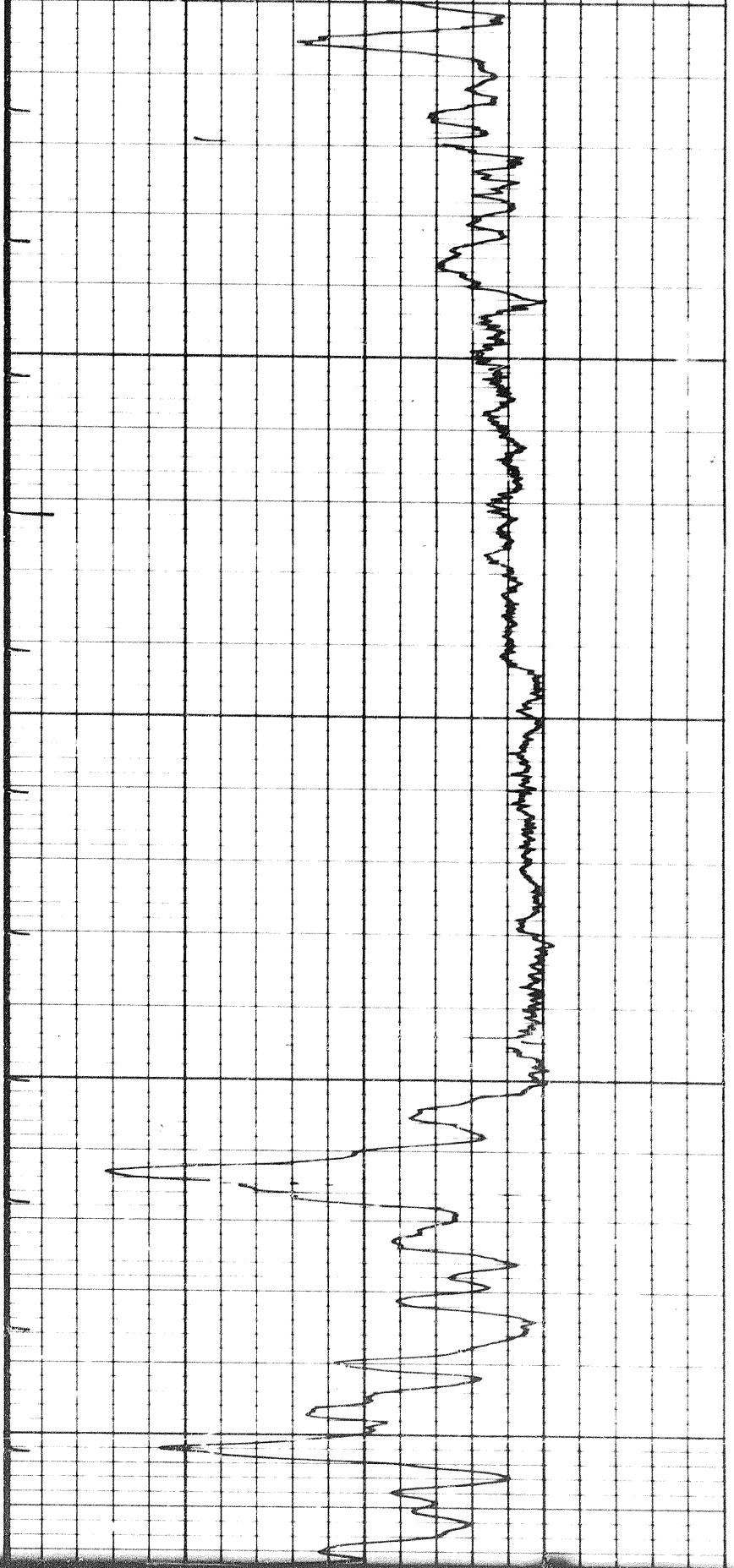
3700



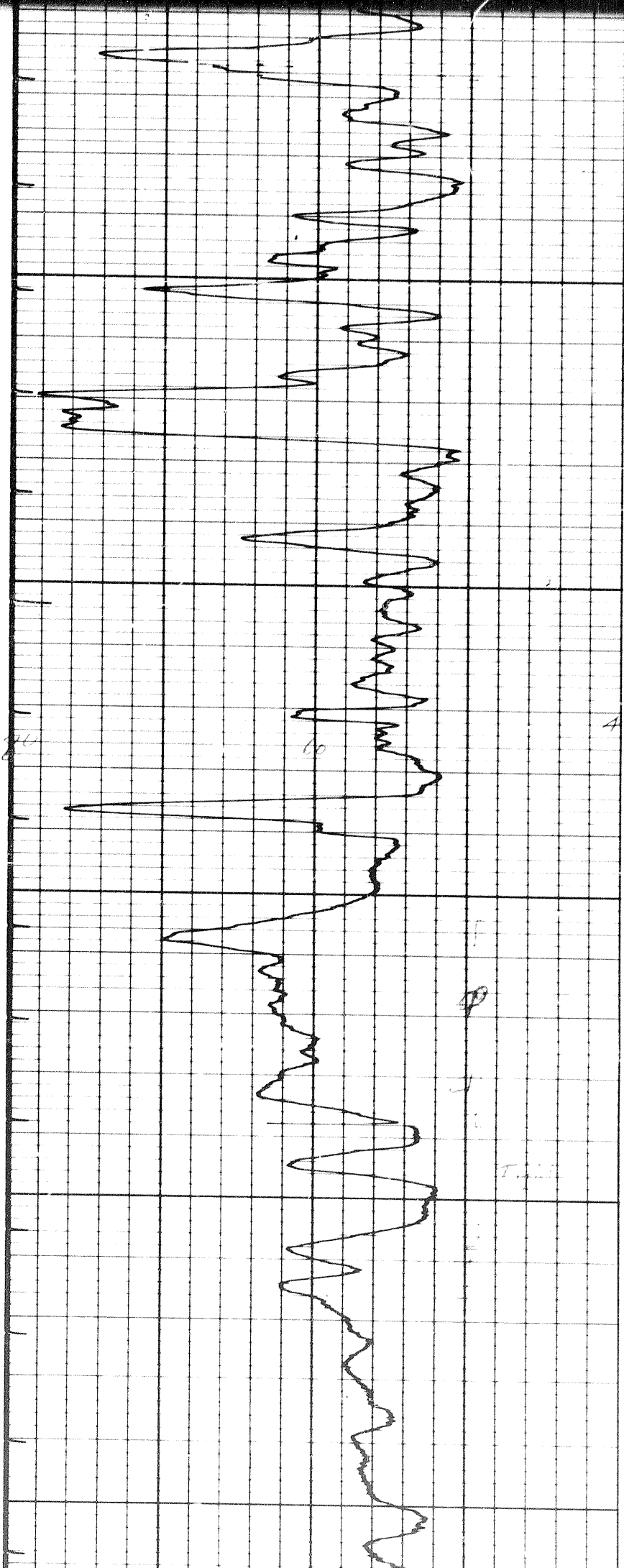
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3900



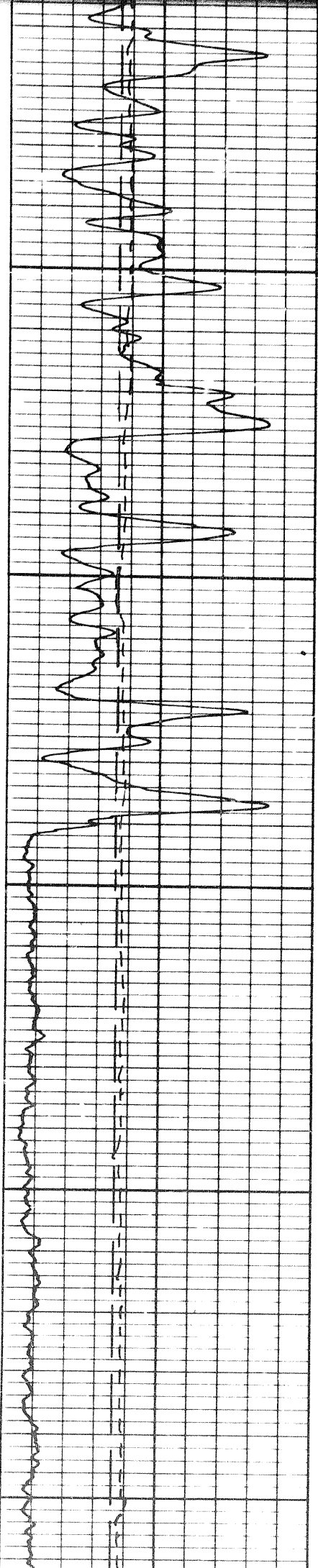


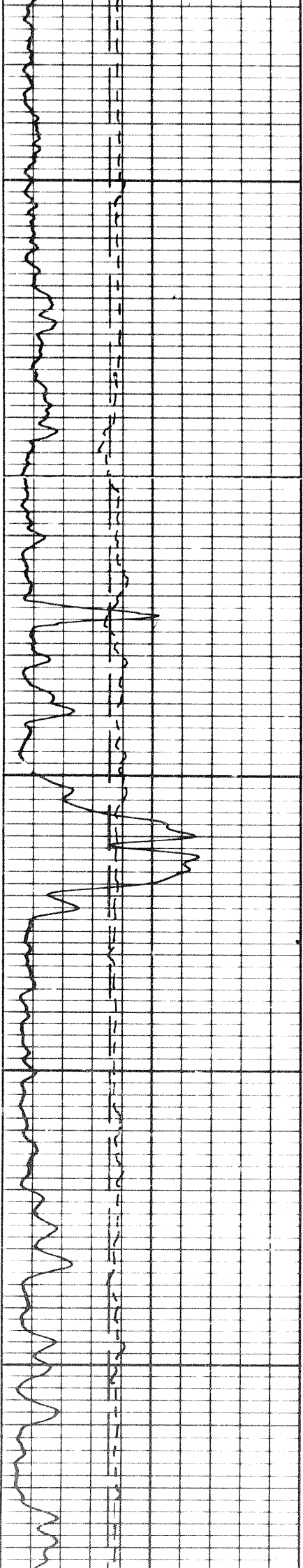
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4200

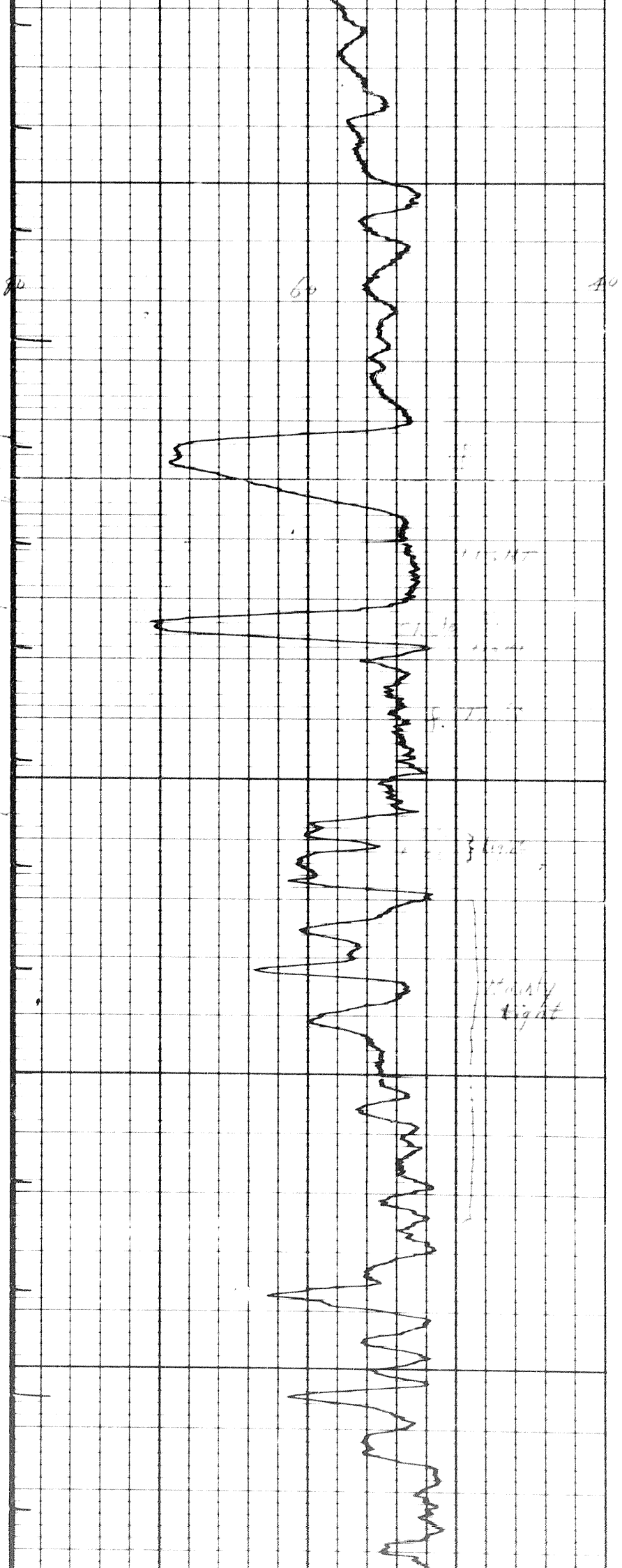
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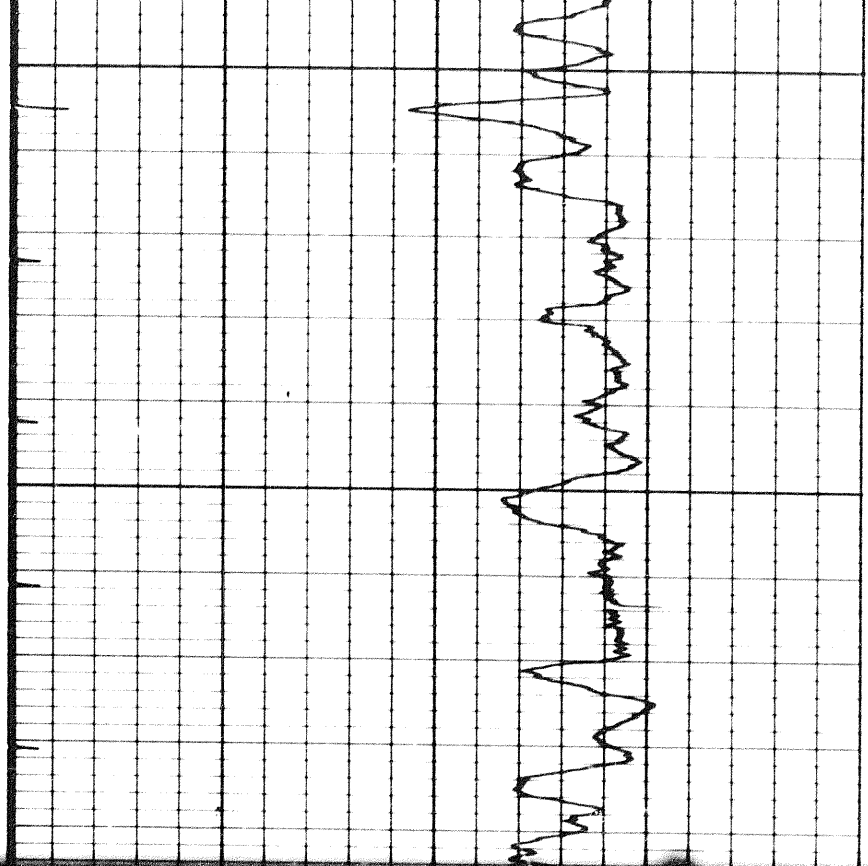


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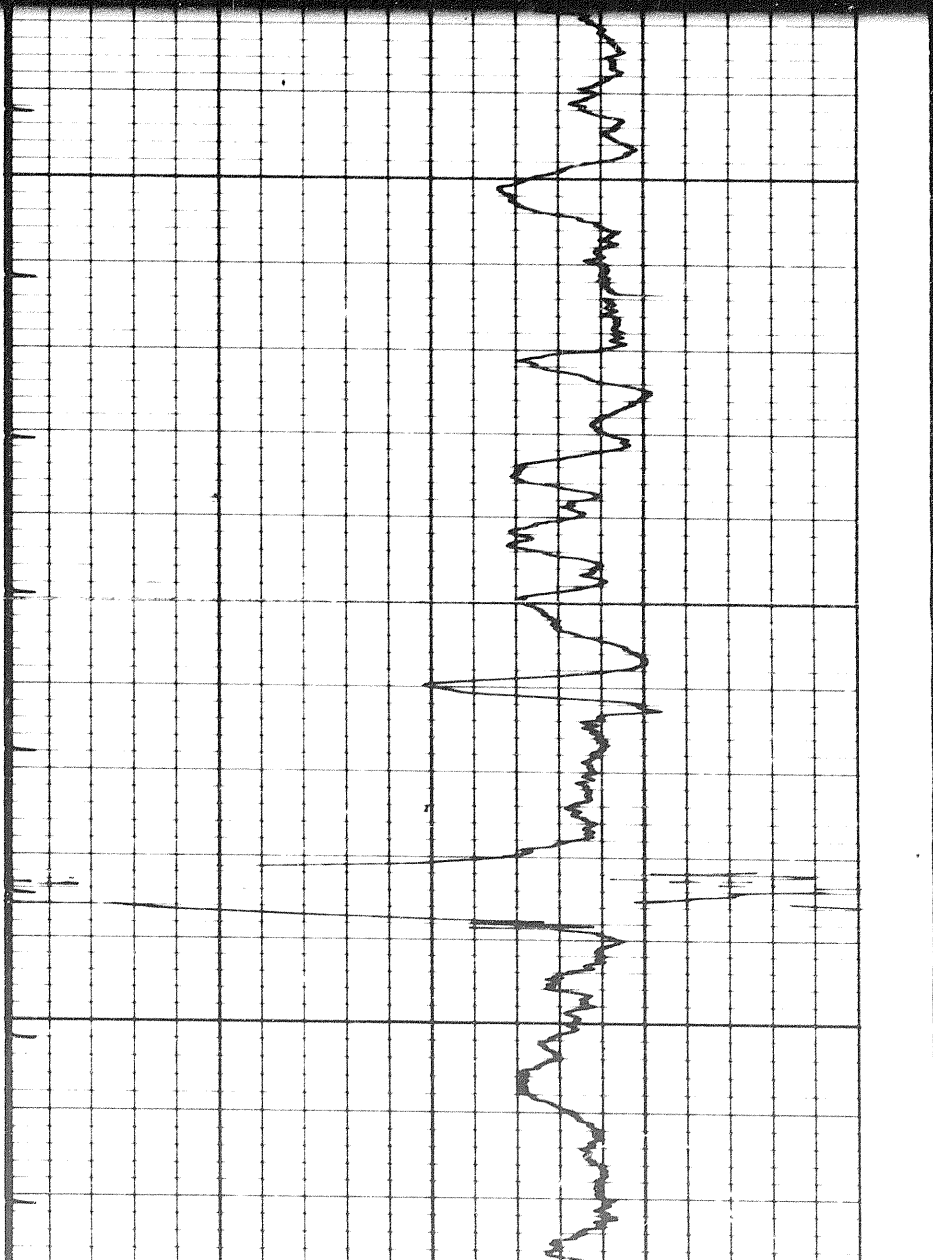
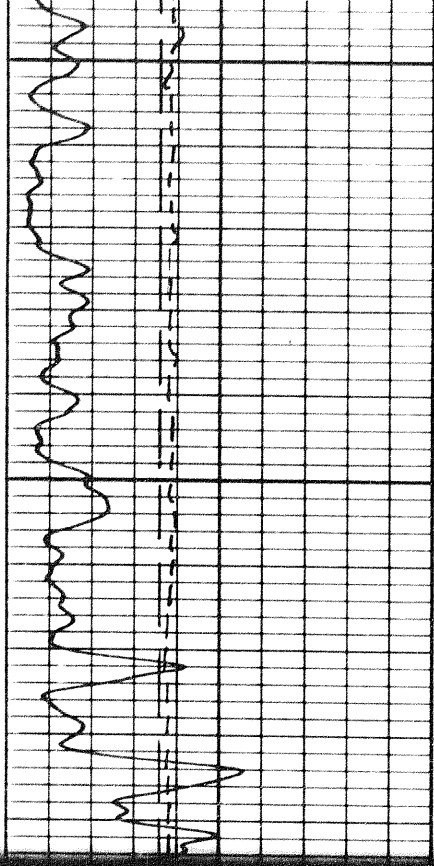
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9

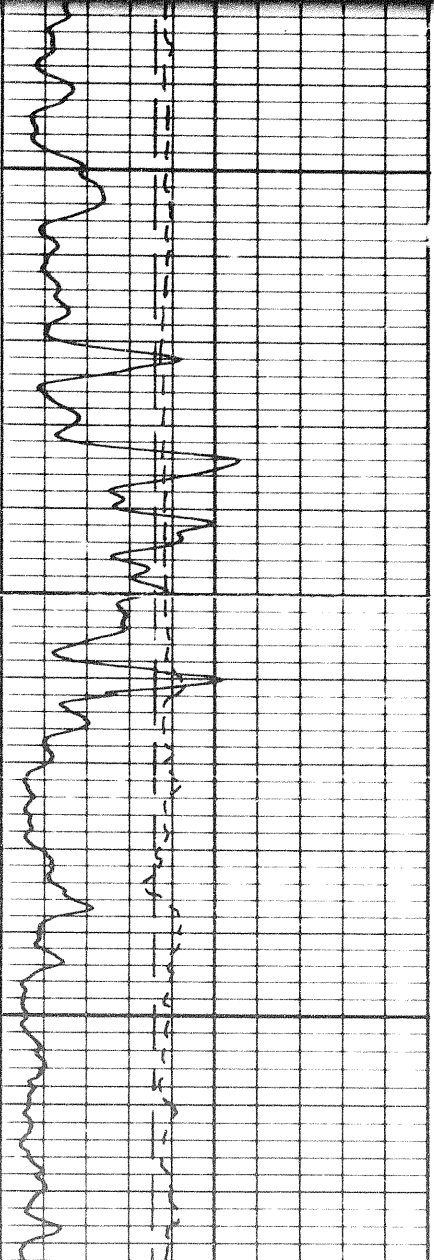


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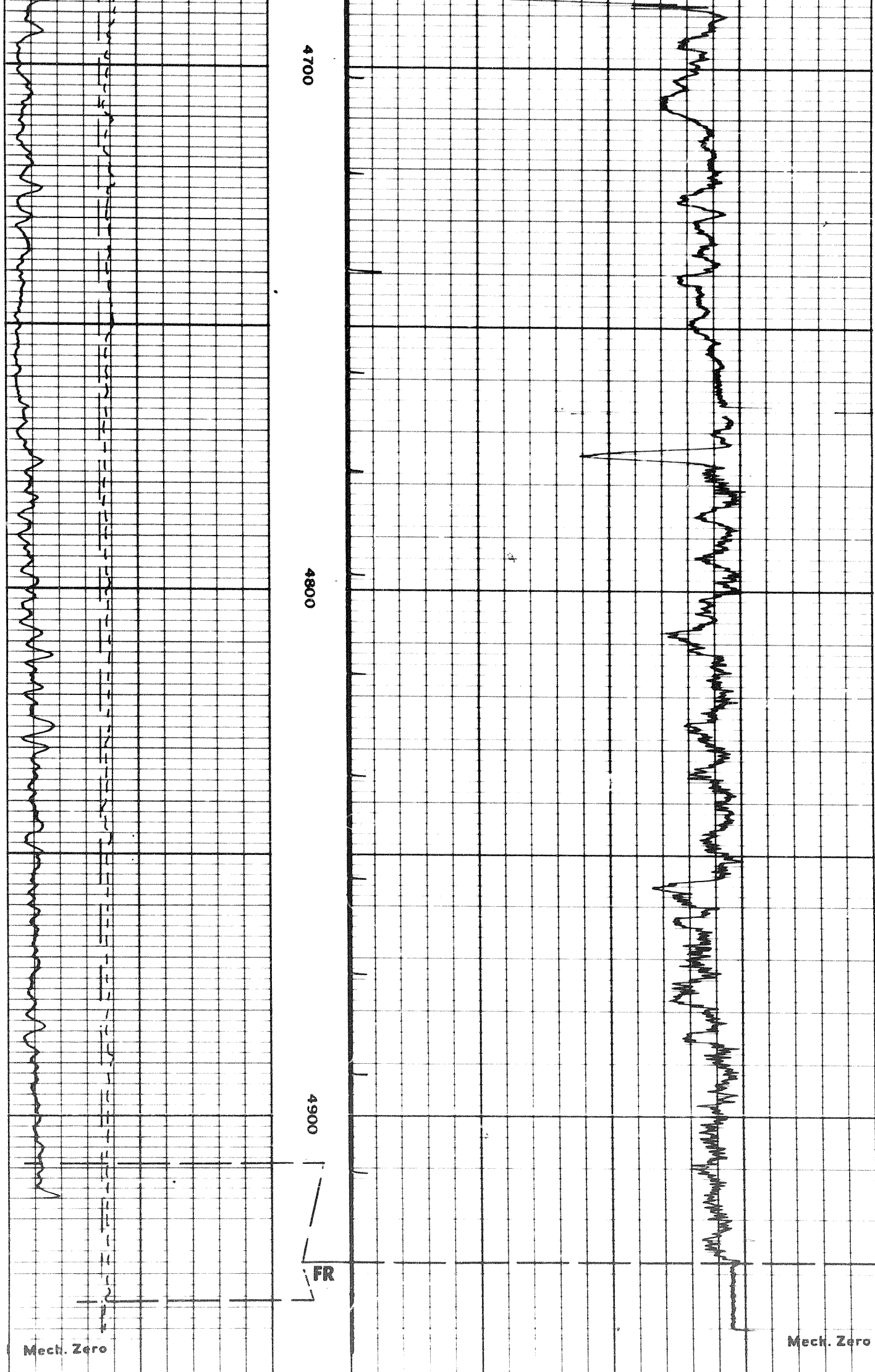


4600

4700



13d



4700

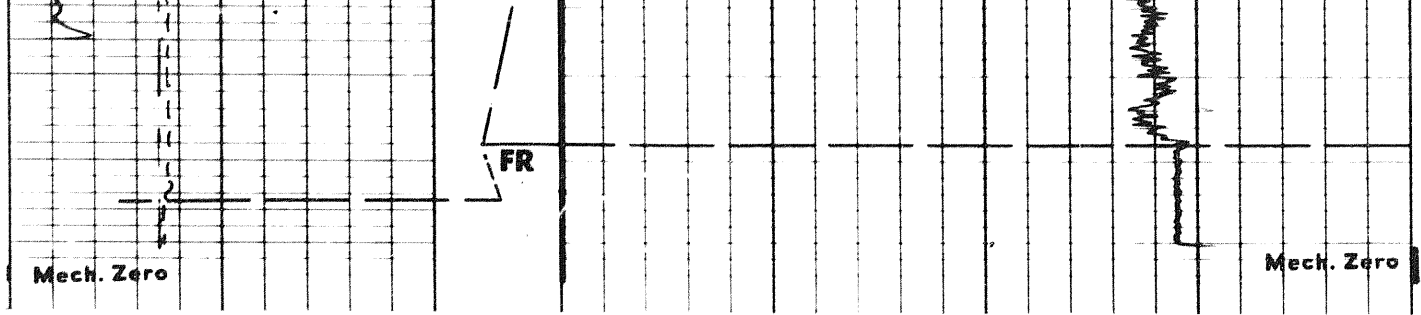
4800

4900

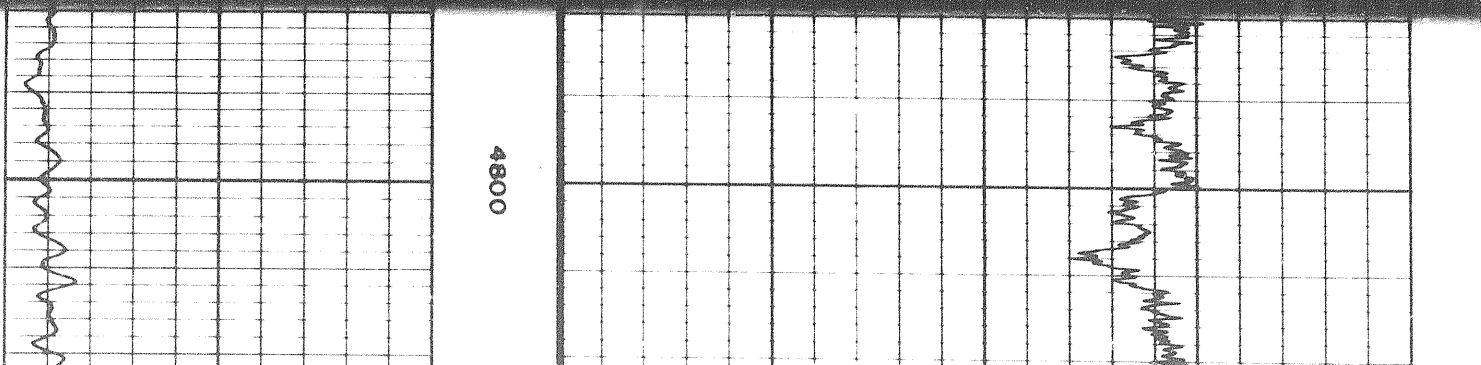
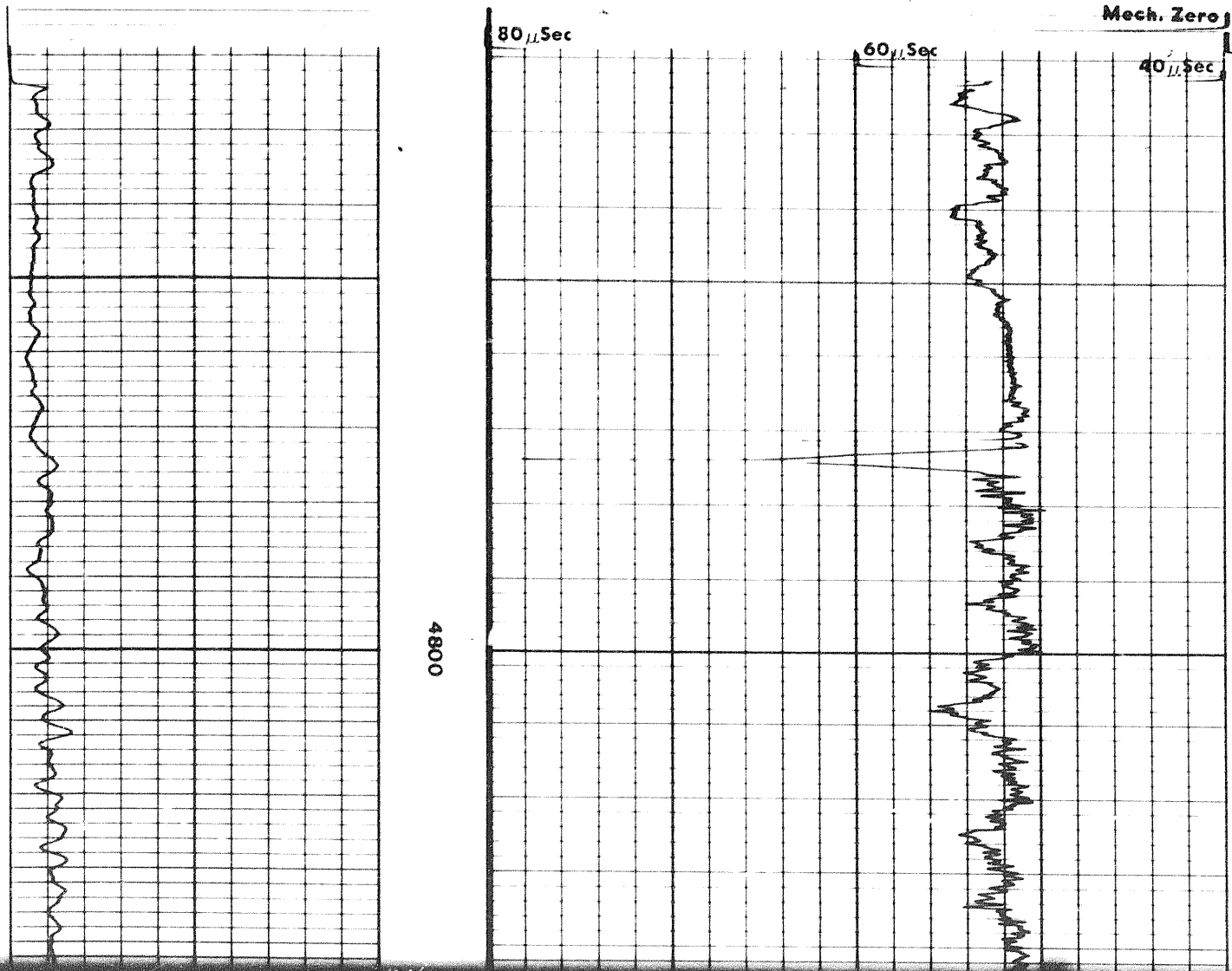
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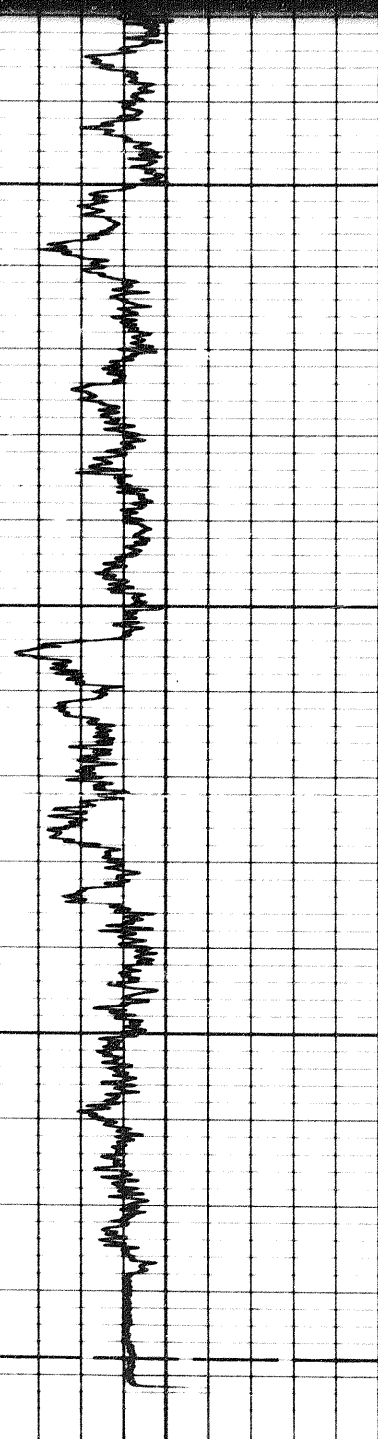
Mech. Zero

Mech. Zero



REPEAT SECTION

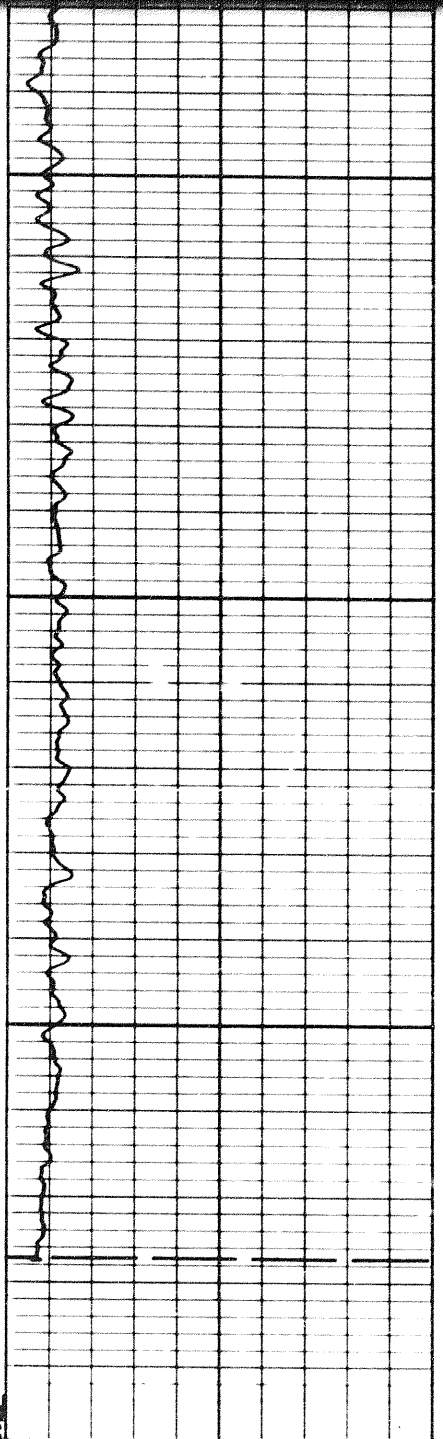




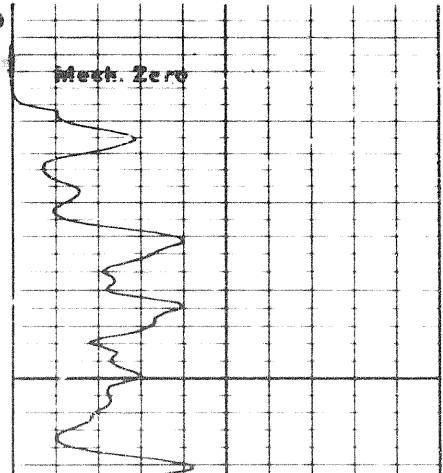
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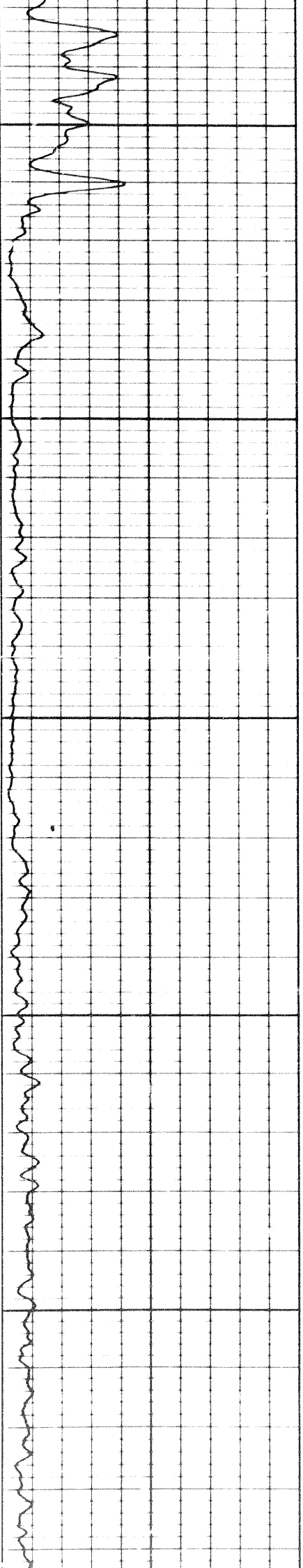
4900

FR



Run 1 → ← Run 2





4700

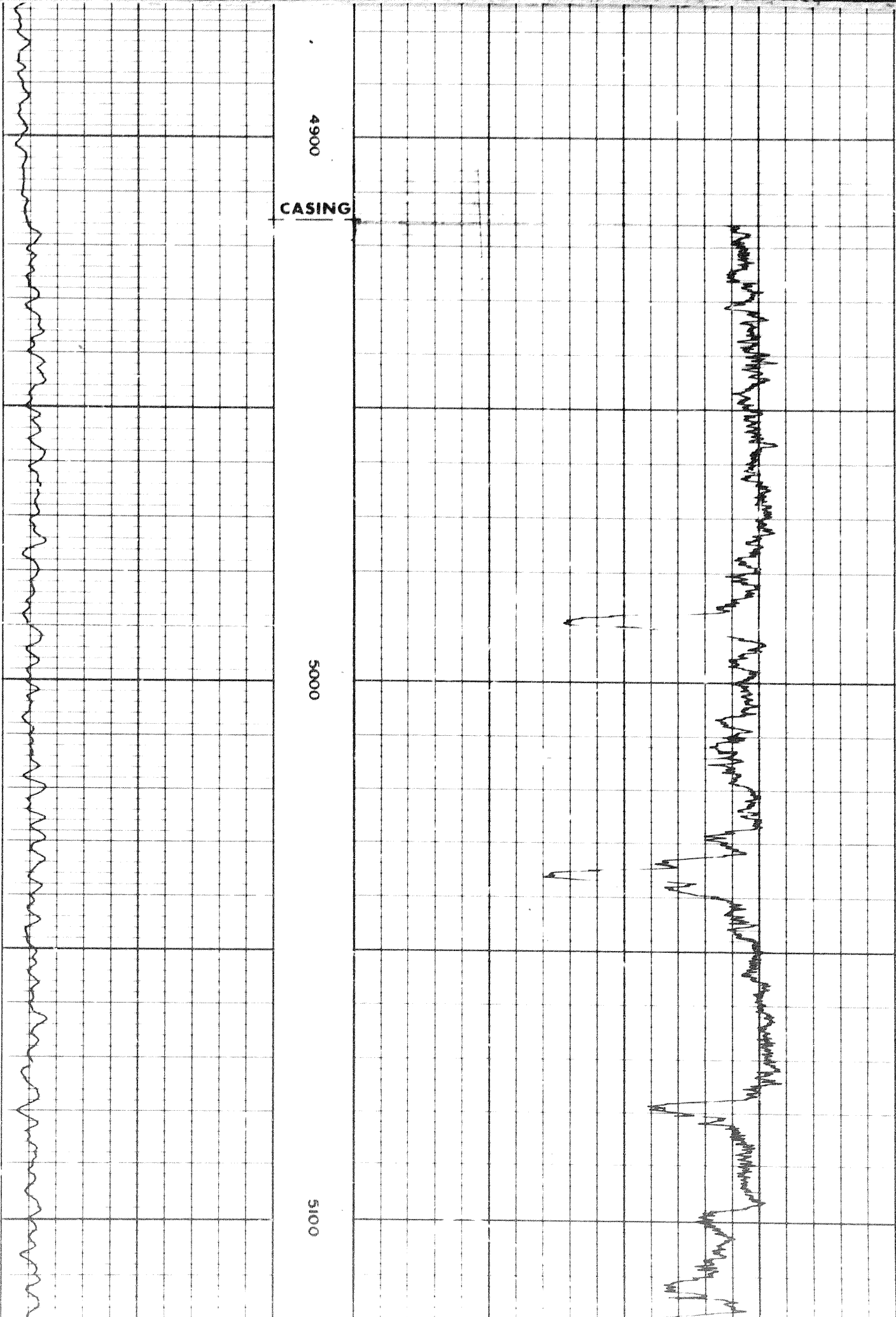
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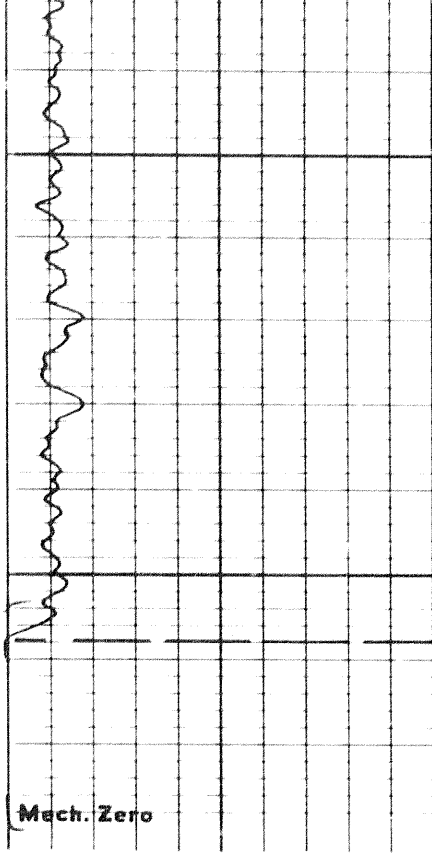
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CASING

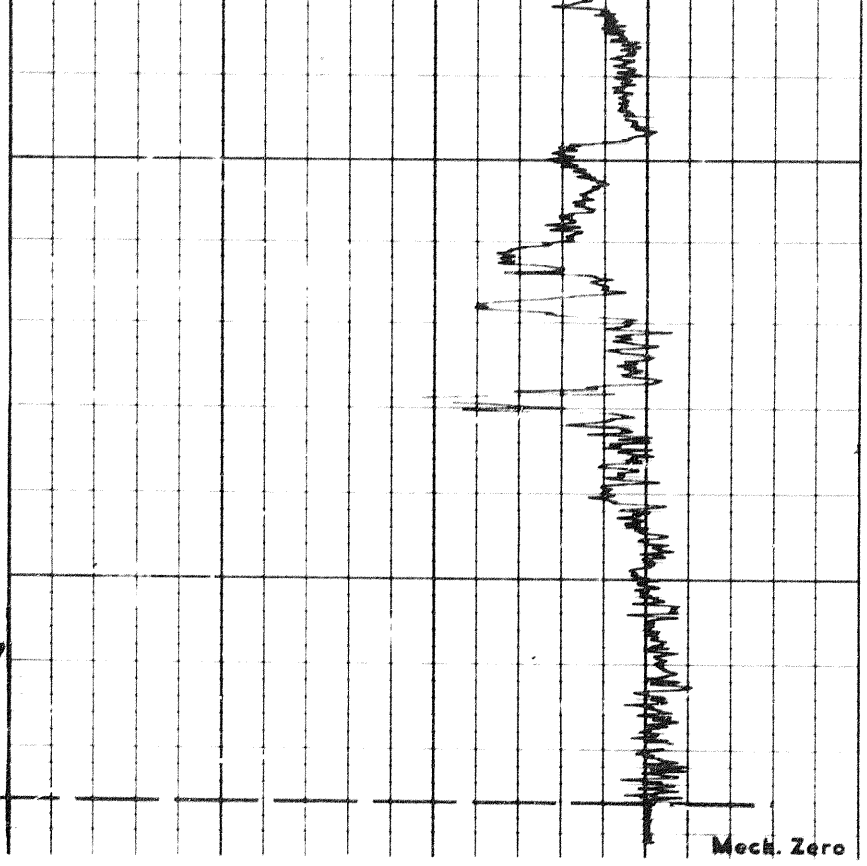
5000

5100

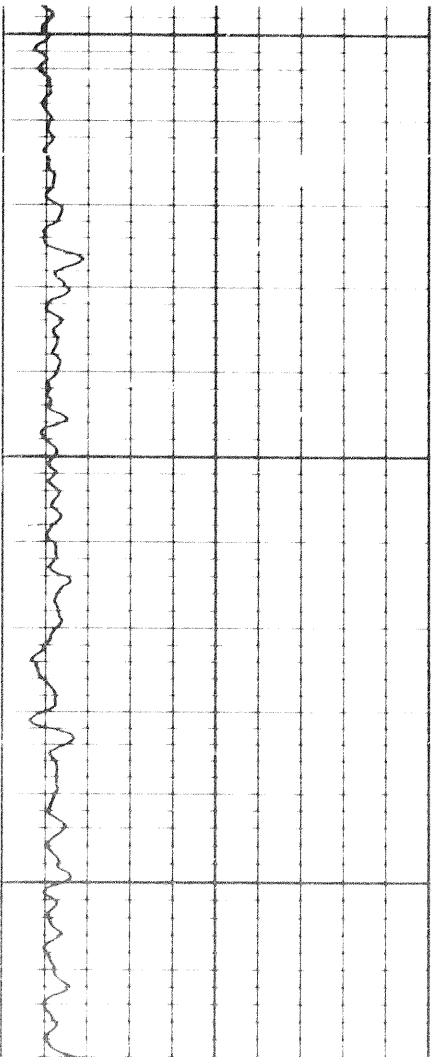




5100

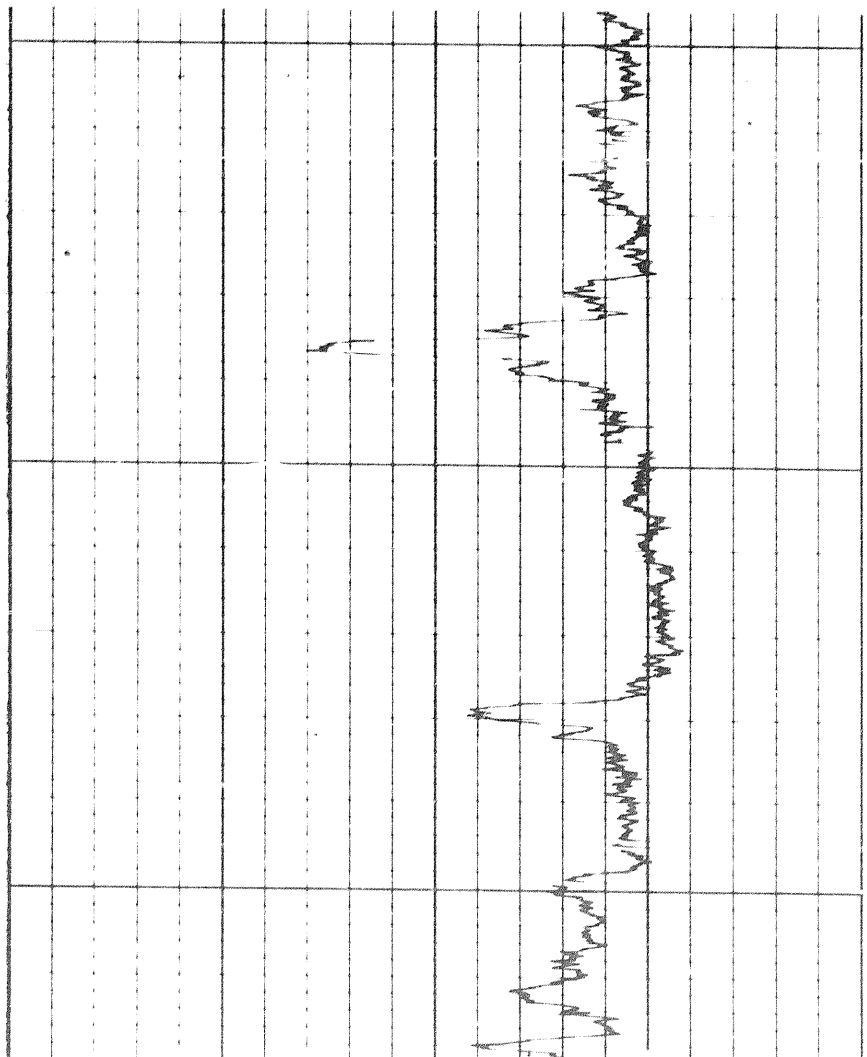


REPEAT SECTION

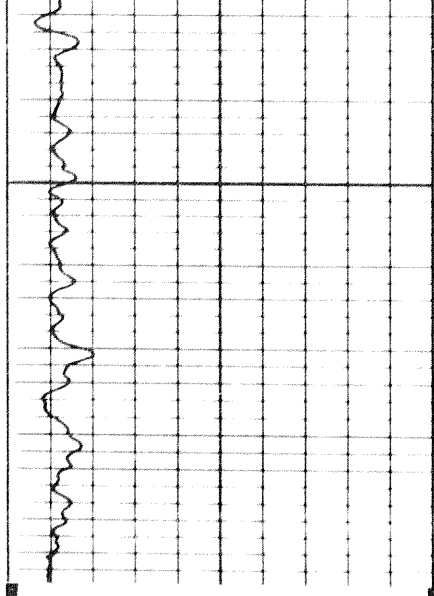


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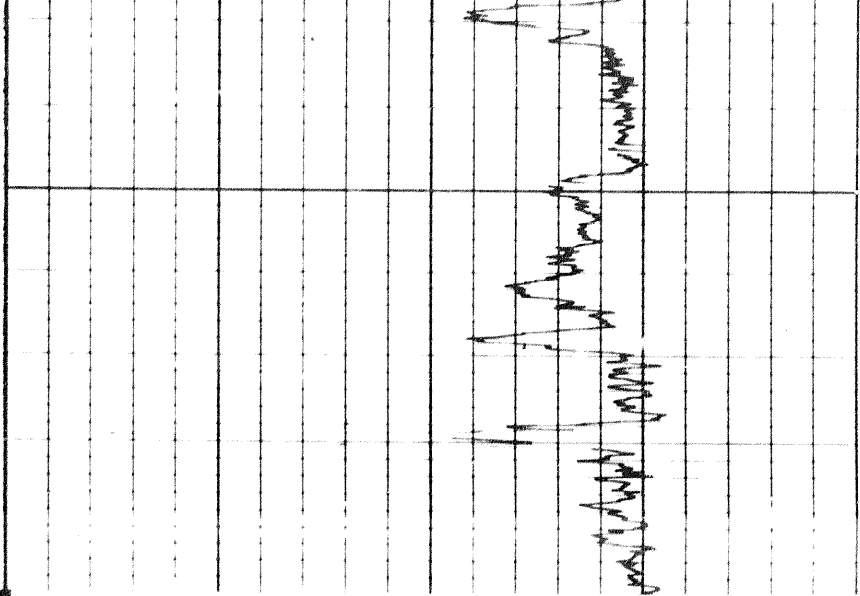
5100



169



5100

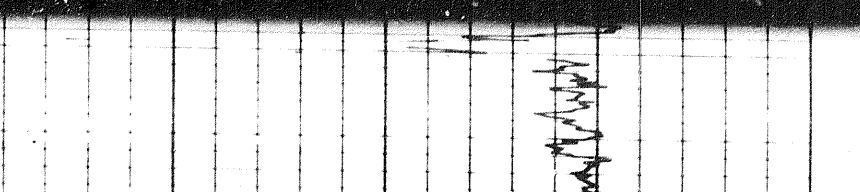
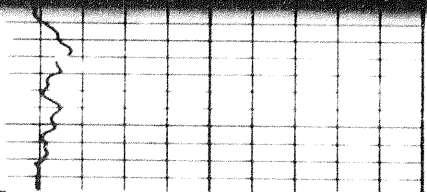


6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

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

80	60	40
120	100	80



6 7 8 9 10 11 12 13 14

CALIPER
hole diameter in inches

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

80	60	40
120	100	80

GAMMA RAY
API UNITS

DEPTHS

SONIC
INTERVAL TRANSIT TIME
microseconds per foot

COMPANY SOCONY MOBIL OIL OF CANADA LIMITED

WELL SOCONY MOBIL-WESTERN MINERALS CHANCE YT G-8

FIELD WILDCAT PROVINCE YUKON TERRITORY



Calibration before Survey

Calibration before Survey

GAMMA RAY CAL
@ API UNITS
Cps 371 Tr 6 Sens 500

Gamma Ray Background
Cps 24 Tr 6 Sens 500

Gamma Ray Cal Zero

Calibration before Survey

Run 1

↑

↓

Run 2

0

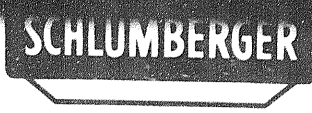
GAMMA RAY CAL
@ API UNITS
Cps 270 Tc. 6 Sens. 60

Gamma Ray Background
Cps 75 Tc. 6 Sens. 60

Gamma Ray Cal. Zero

0000

1761



WELL SOCONY MOBIL-WESTERN MINERALS CHANCE YT G-8

FIELD WILDCAT PROVINCE YUKON TERRITORY

Calibration before Survey

Calibration before Survey

GAMMA RAY CAL
@ APF UNITS
Cps 371 Tc 6 Sens 500

Gamma Ray Background

Cps 34 Tc 6 Sens 500

Gamma Ray Cal Zero

Calibration before Survey

Run 1
Run 2

GAMMA RAY CAL
@ API UNITS
Cps 370 Tc 6 Sens. 500

Gamma Ray Background
Cps 75 Tc 6 Sens. 500

Gamma Ray Cal. Zero

0000

18 d/B