

Schlumberger

DUAL INDUCTION-LATEROLOG

SCHLUMBERGER OF CANADA Calgary, Alberta

PROVINCE YUKON TERRITORY
 FIELD WILDCAT
 WELL PACIFIC IMP ET AL ROLAND BAY
 YT L-41
 COMPANY PACIFIC PETROLEUMS LTD.

| | | | |
|------------------|--|---|--|
| Date | 21 JAN 73 | 3 MAR 73 | 17 APR 73 |
| Run No. | ONE | TWO | THREE |
| First Reading | 1990 | 5936 | 8987 |
| Last Reading | 460 | 1946 | 5947 |
| Feet Measured | 1530 | 3990 | 3040 |
| Depth Reached | 1994 | 5940 | 8993 |
| Bottom Driller | 2000 | 5965 | 9030 |
| Cg. SOC | 460 | 1946 | 5947 |
| Cg. Driller | 158 | 1956 | 5965 |
| Mud Nature | GEL | GEL CHEM | GEL CHEM |
| Dens. Visc. | 9.5 | 9.0 | 9.6 |
| Mud pH | 10.0 | 9.0 | 9.0 |
| Water Loss | - | 5.0 | 4.8 |
| Res. | 5.09 @ 53 % | 2.94 @ 66 % | - @ - % |
| Rmf | - @ - % | 1.90 @ 106 % | - @ - % |
| @ BHT | - @ - % | 1.56 @ 106 % | - @ - % |
| Rmc | - @ - % | - @ - % | - @ - % |
| Source of Sample | FLOWLINE | FLOWLINE | FLOWLINE |
| Bit Size | 12 1/4" | 12 1/4" | 8 1/2" |
| Oper. Rig Time | 3.5 HRS | 3 HRS | 9.5 HRS |
| By | OSU-C 267 FRONT TALBY VANDERVIET | OSU-C 267 FRONT MCLAFFERTY ACHESON & FENTON | OSU-C 267 FRONT WILLIGER ACHESON |

| | |
|-------------------------|--|
| CO. COMPANY | PACIFIC PETROLEUMS LTD. |
| WELL | PACIFIC IMP ET AL ROLAND BAY YT |
| FIELD | WILDCAT |
| PROVINCE | YUKON TERRITORY |
| LOCATION | 69° 20' 30.693" N LAT 138° 56' 55.092" W LONG |
| Permanent Datum | GL 41.0 |
| Elev. Above Perm. Datum | 24.6 |
| Other Services: | SIL-GR, HOT, FDC-GR |
| ELEV. KB | 65.6 |
| GL | 41.0 |
| CBF | |

REMARKS
 Drilling Stopped 20th 0515 / 4th Circulation Stopped 1300 / 21st 0715 / 4th Tool on Bottom 1930 / 21st 1204 / 4th 1st Run Service Order # 6081 B.H.T. 85 °F 106 °F

| | | |
|------------------------------|---|---------------|
| Stand Off = 1.5" 3.5" | RUN 1 | RUN 2: |
| Cartridge No. B 57 B 194 | LOG NOT TAPED | LOG NOT TAPED |
| Panel No. CB 165 CB 214 | NO PRESS AVAILABLE FOR FILTRATE | |
| Sonde No. DB 73 DB 109 | SP NOT MEMORIZED IN REPEAT SECTION | |
| MMP No. MMP-B 223 MMP-B 307 | | |
| SBR 1 2 | RUN 1 & 2 | |
| S.E. Setting Surface X RUN 2 | Check one, filling in blanks where applicable: | |
| Downhole Depth Ft. | <input checked="" type="checkbox"/> Surface determined sonde errors used for ILM and ILD. | |
| | ILM and ILD sonde errors corrected for _____ inch | |
| | borehole signal at R _m = _____ | |
| | ILM and ILD zeros set in hole at depth of _____ feet. | |

REMARKS
 Drilling Stopped 2200 14th Circulation Stopped 0800 16th Tool on Bottom 1700 / 16th 1st Run Service Order # 6081 B.H.T. 147 °F 151

| | | |
|------------------------|---|--|
| Stand Off = 1.5 Inches | RUN 3 | |
| Cartridge No. R 100 | LOG NOT TAPED | |
| Panel No. CB 165 | 8000' - 8100' SPLICED IN SP TO CORRECT APPEARANCE OF | |
| Sonde No. DB 125 | UNNATURAL NON-REPEATING PHENOMENON | |
| MMP No. P | | |
| SBR 2 | | |
| S.E. Setting Surface | Check one, filling in blanks where applicable: | |
| Downhole Depth Ft. | <input checked="" type="checkbox"/> Surface determined sonde errors used for ILM and ILD. | |
| | ILM and ILD sonde errors corrected for _____ inch | |
| | borehole signal at R _m = _____ | |
| | ILM and ILD zeros set in hole at depth of _____ feet. | |

| | | |
|---------------------------------------|--------|---|
| SPONTANEOUS - POTENTIAL millivolts | DEPTHS | CONDUCTIVITY millimhos/m = $\frac{1000}{\text{ohms m}^2/\text{m}}$ |
| 15 | | INDUCTION |
| | | 100 0 |
| | | 300 200 |

2 MAY 73 CAL 18

Speed in Ft

Speed in FPM

15
- | +

INDUCTION

200 100 0

300 200

RESISTIVITY
ohms m²/m

AVERAGED LATEROLOG-8

0 50

0 500

DEEP INDUCTION

0 50

0 500

SCALE CHANGE
5936'

104

0400

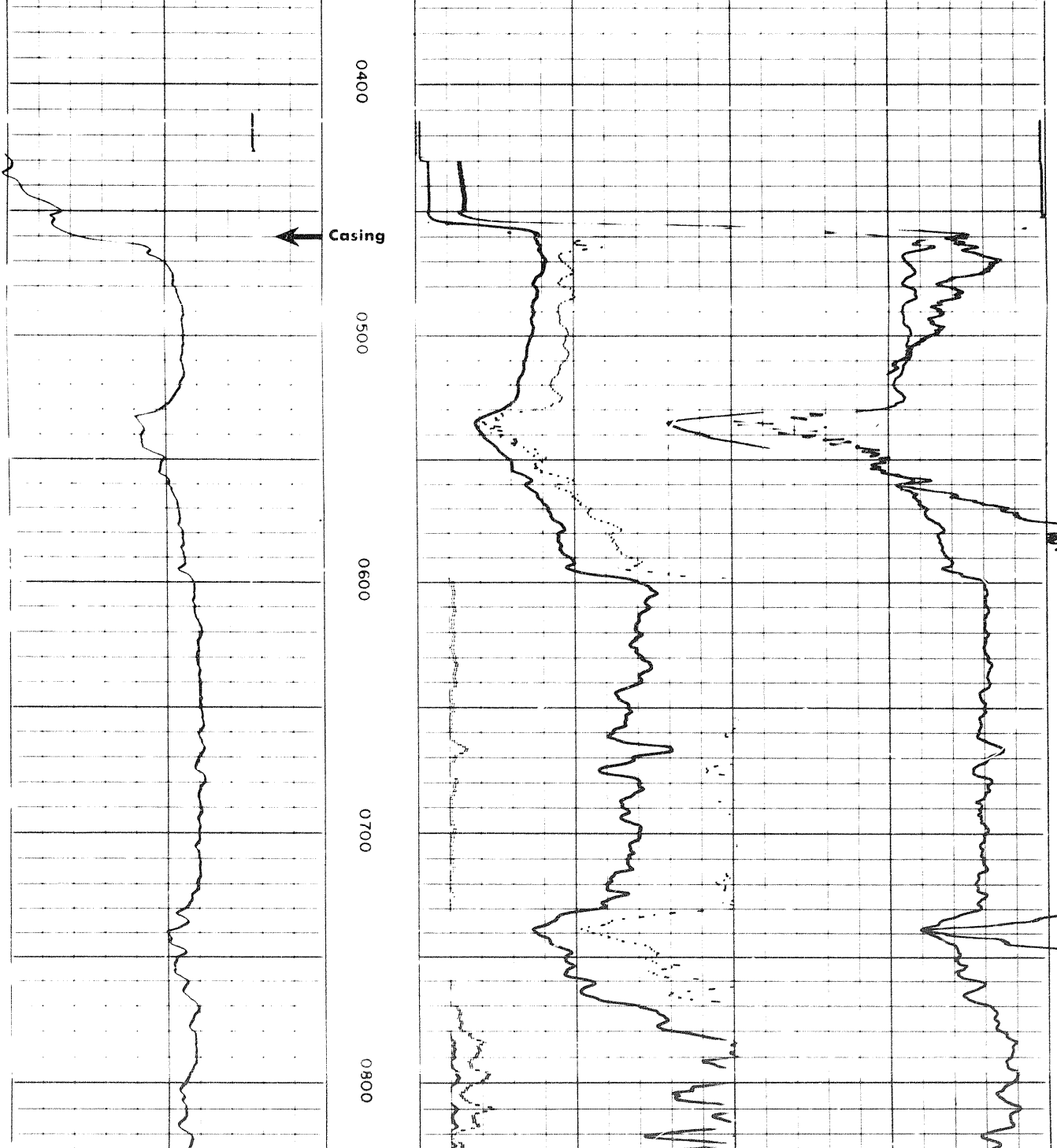
Casing

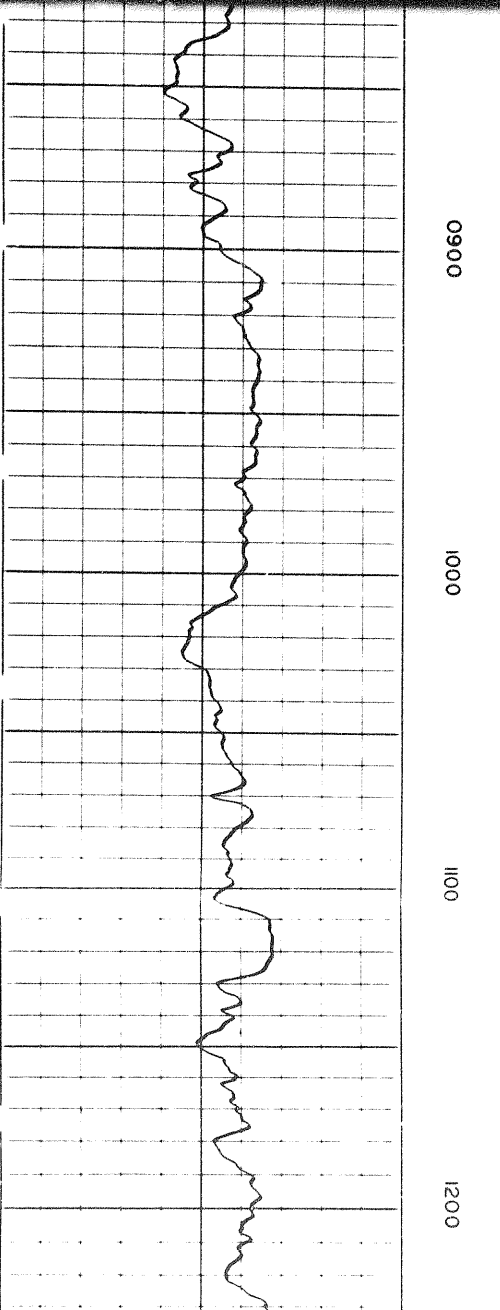
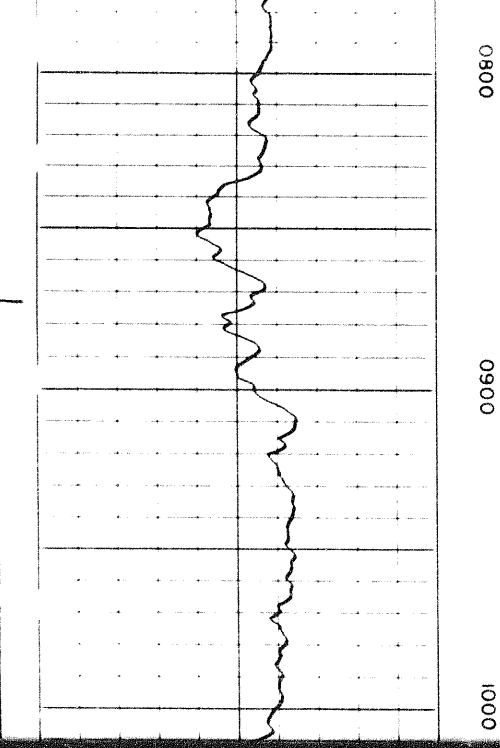
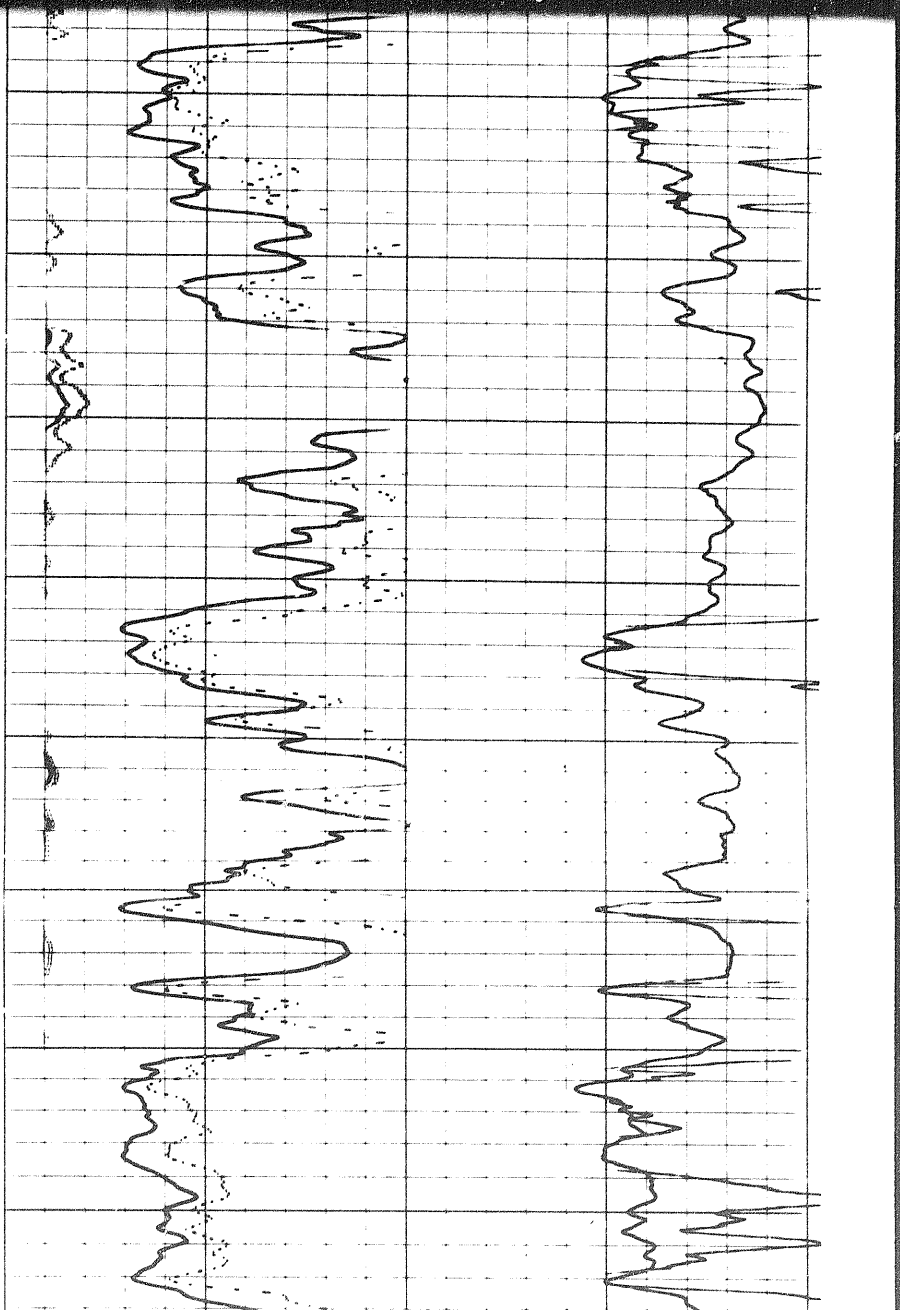
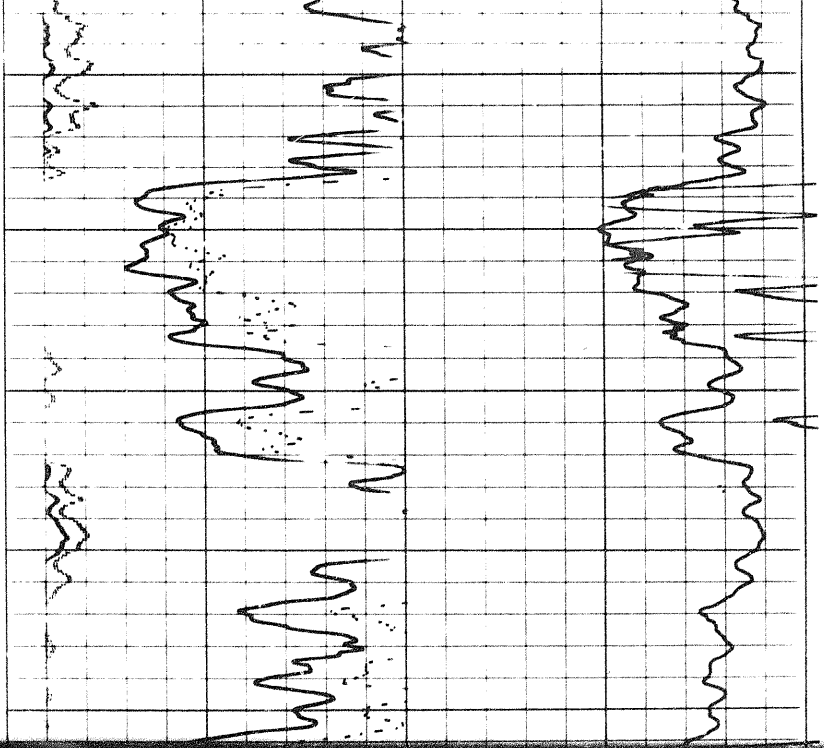
0500

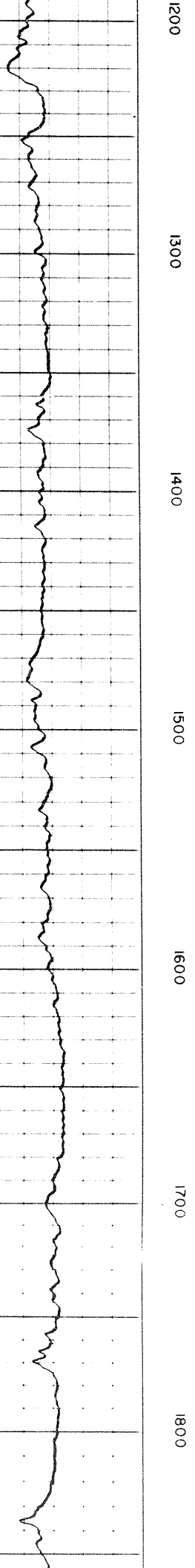
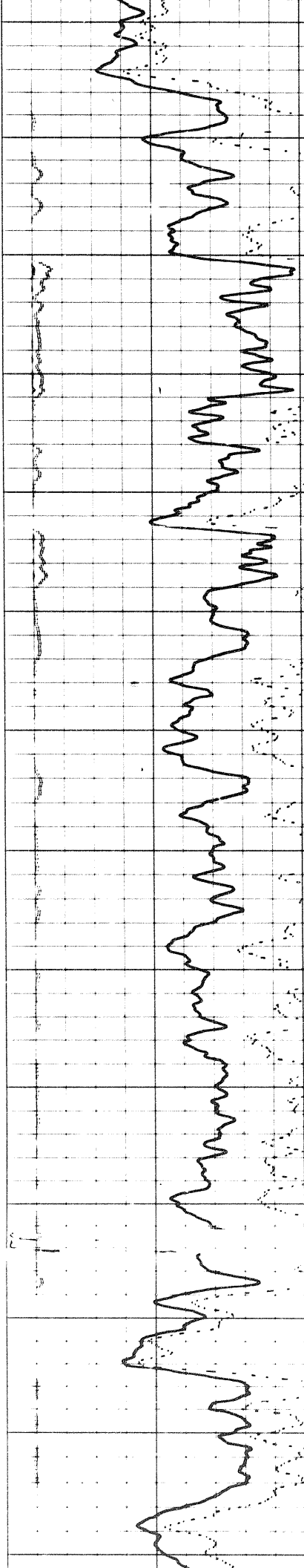
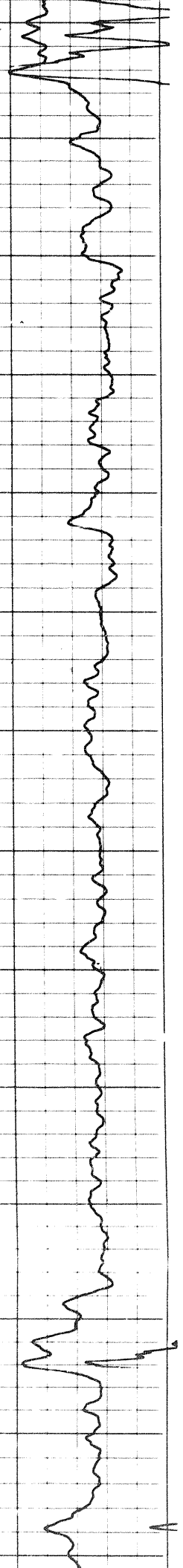
0600

0700

0800







1200

1300

1400

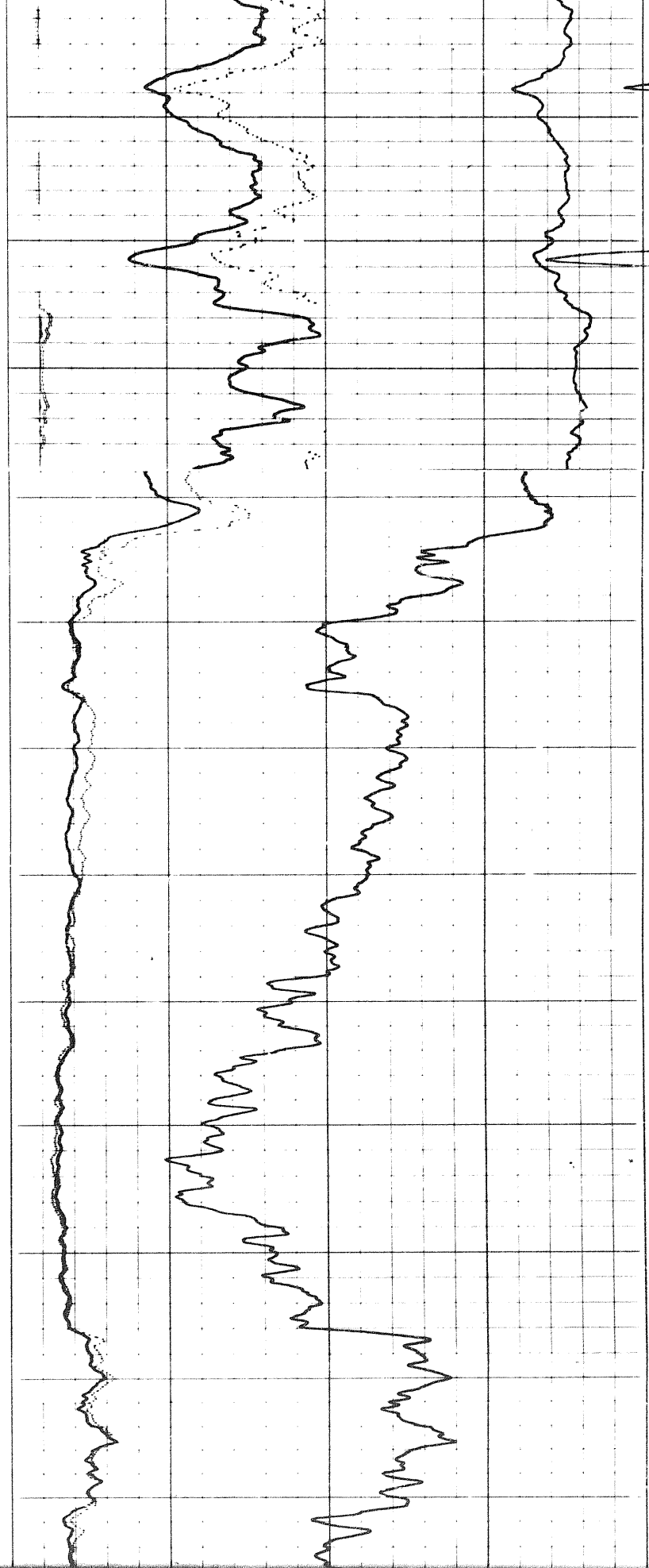
1500

1600

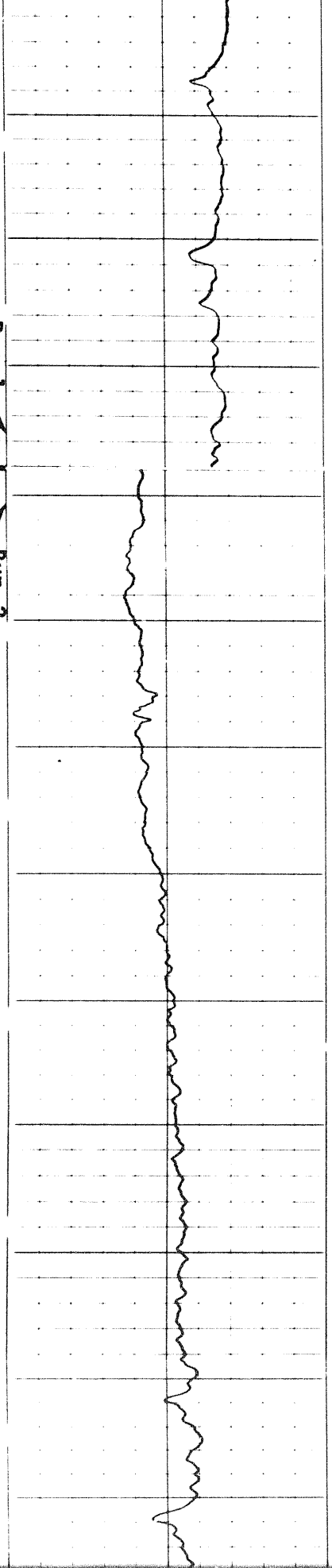
1700

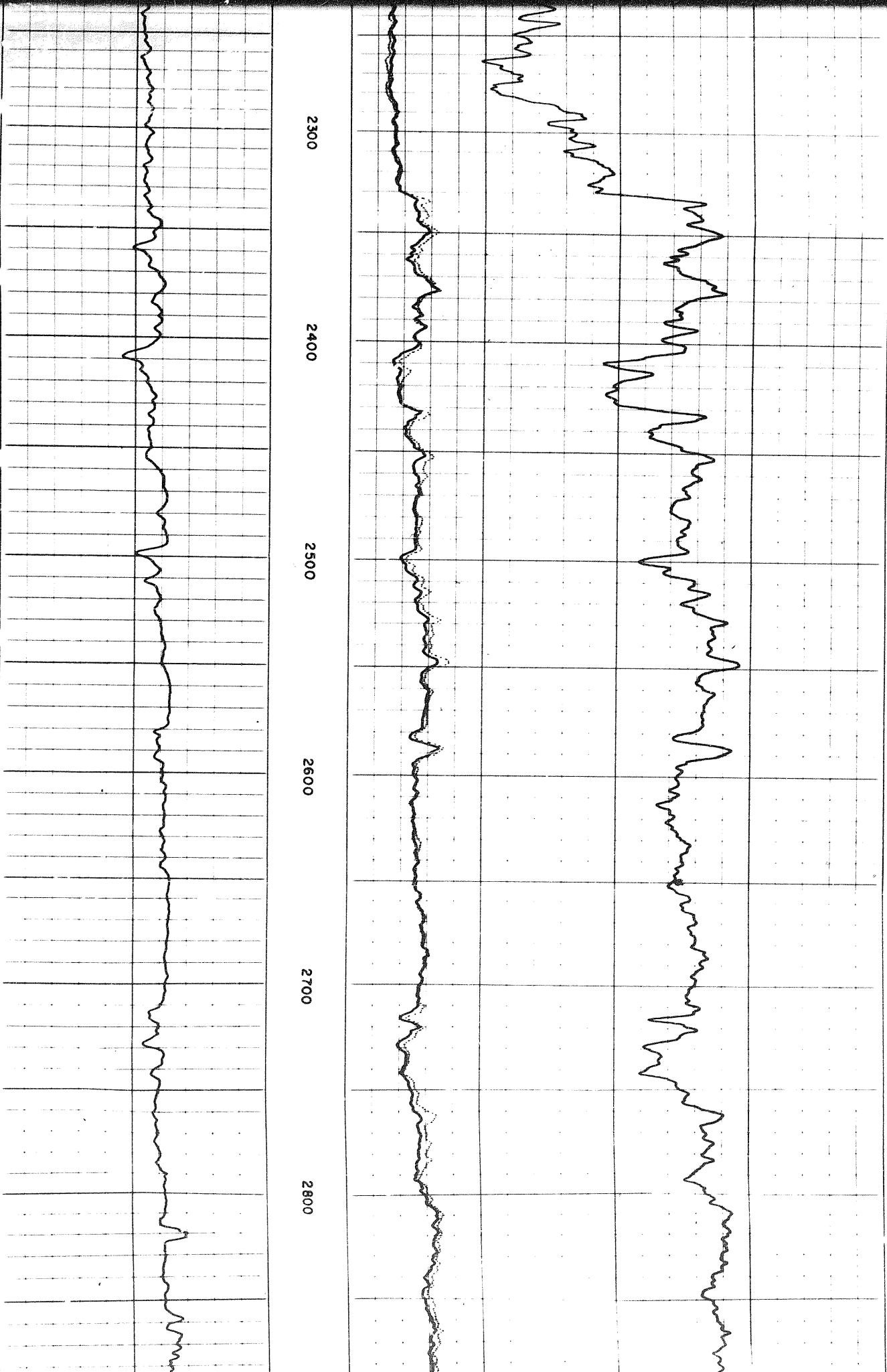
1800

202



Run 1 → Run 2





301



2900

3000

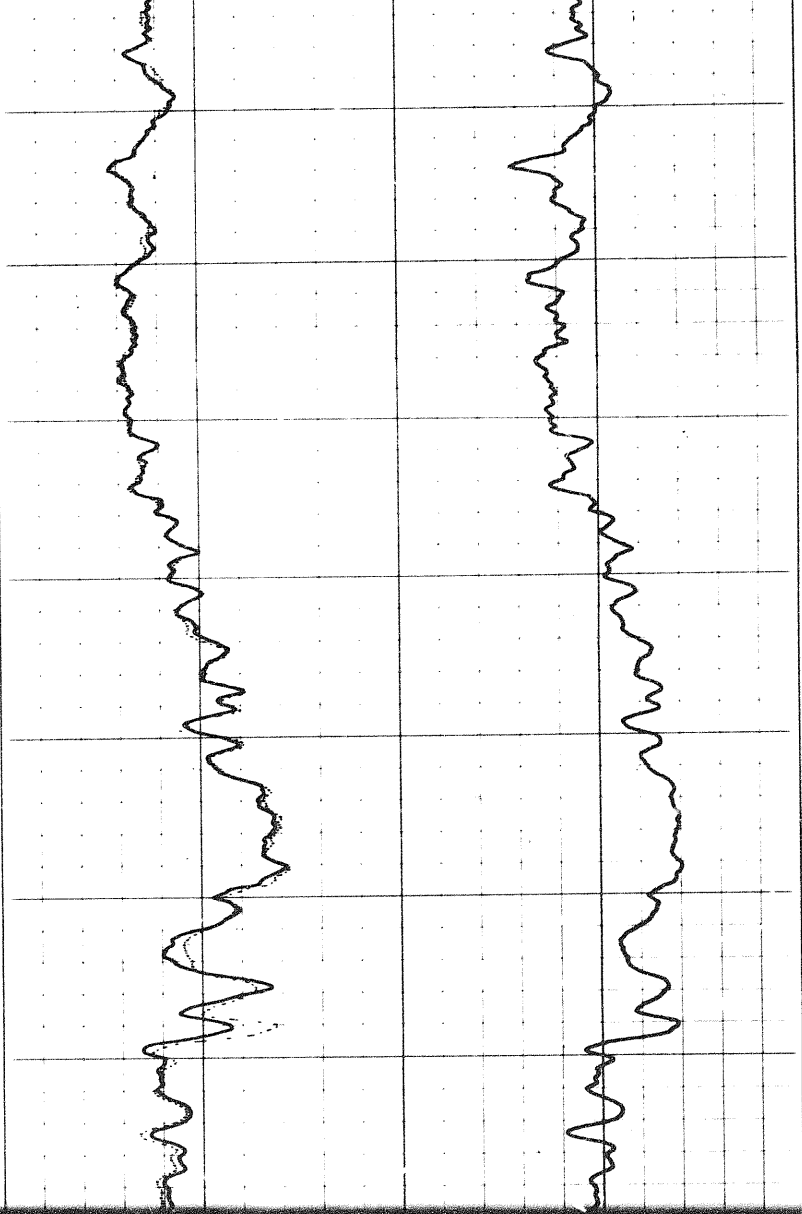
3100

3200

3300

3400

3500

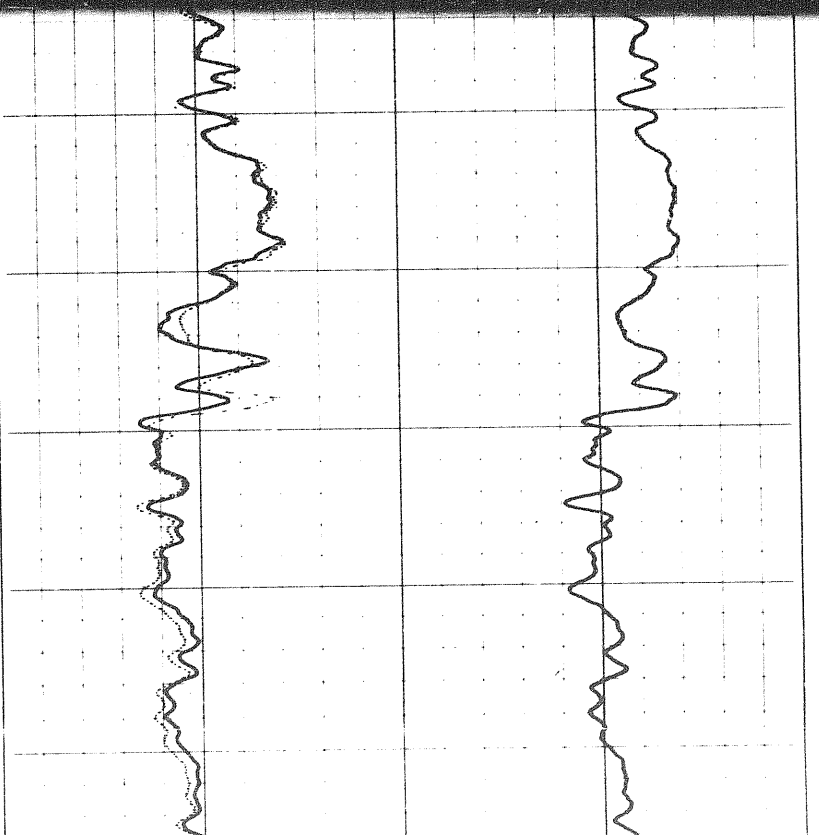


3500

3600

3700

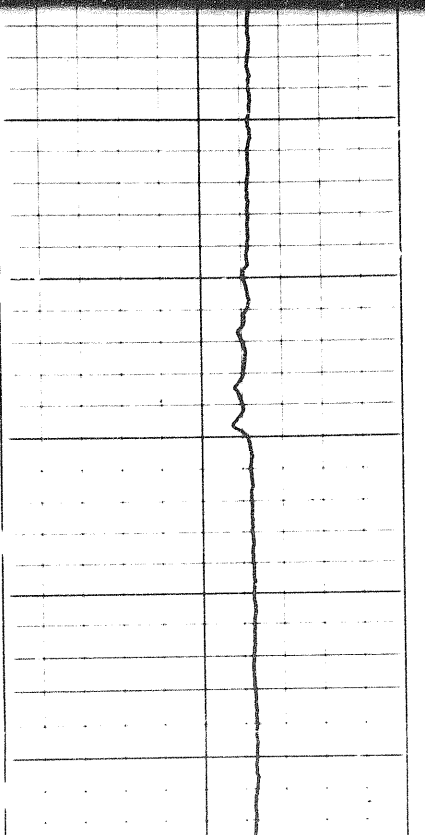
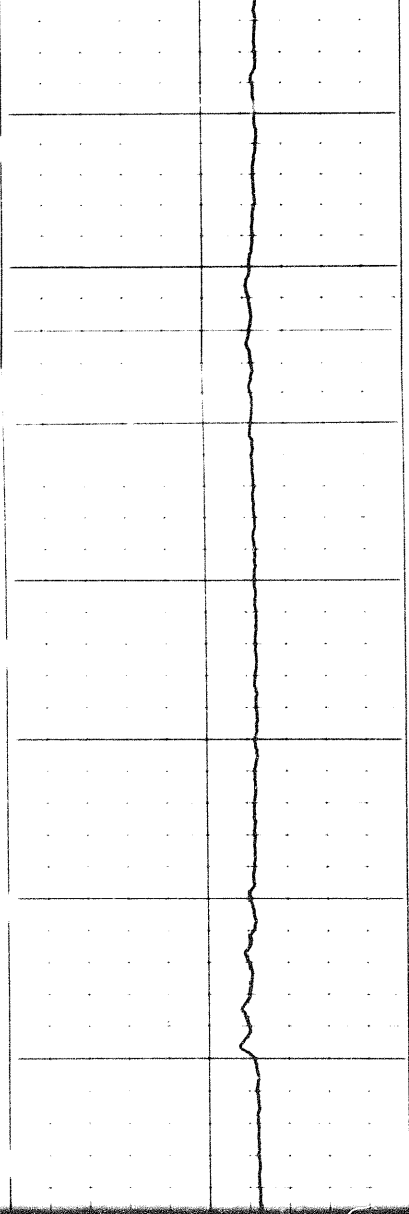
3800



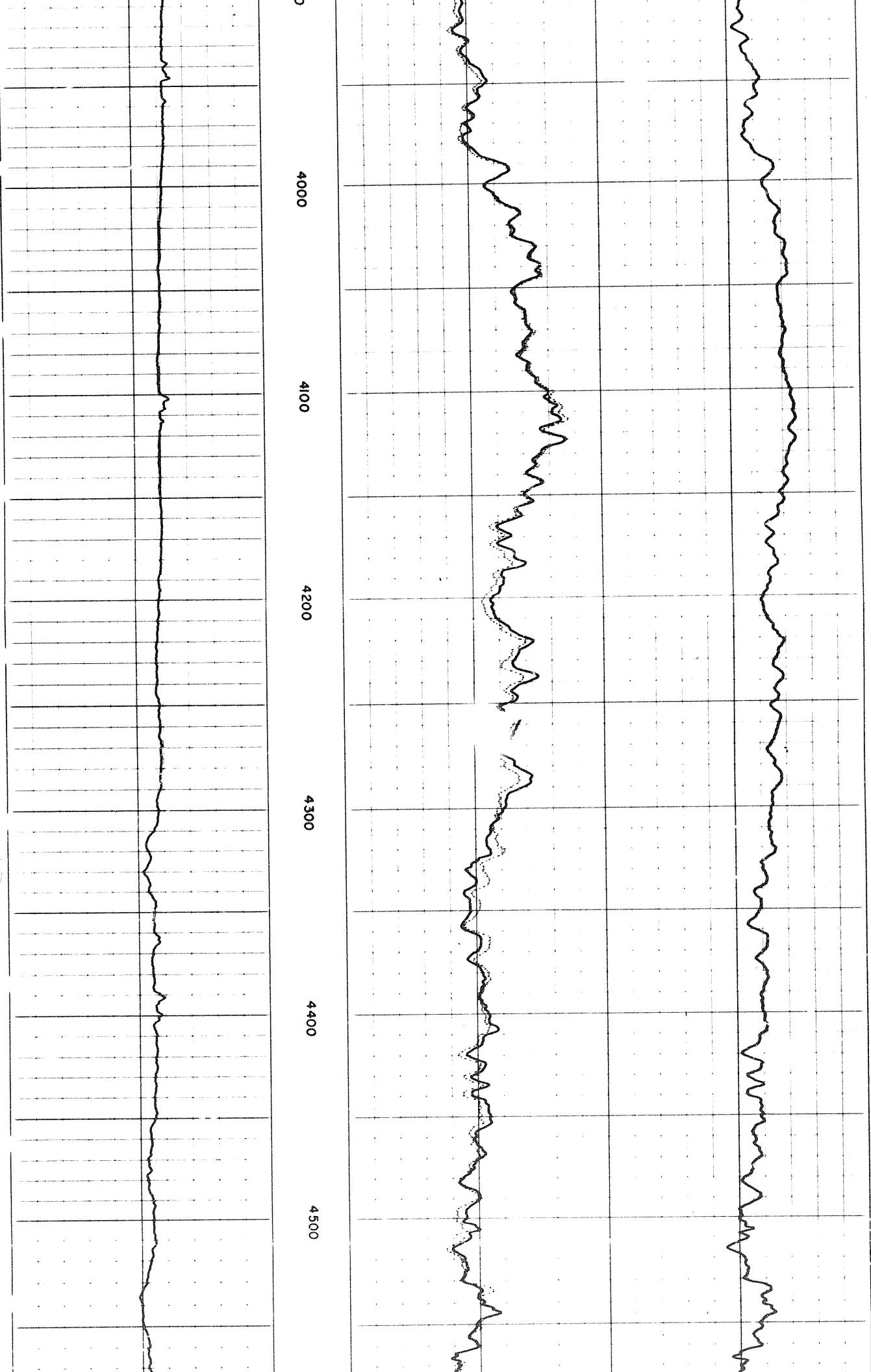
3700

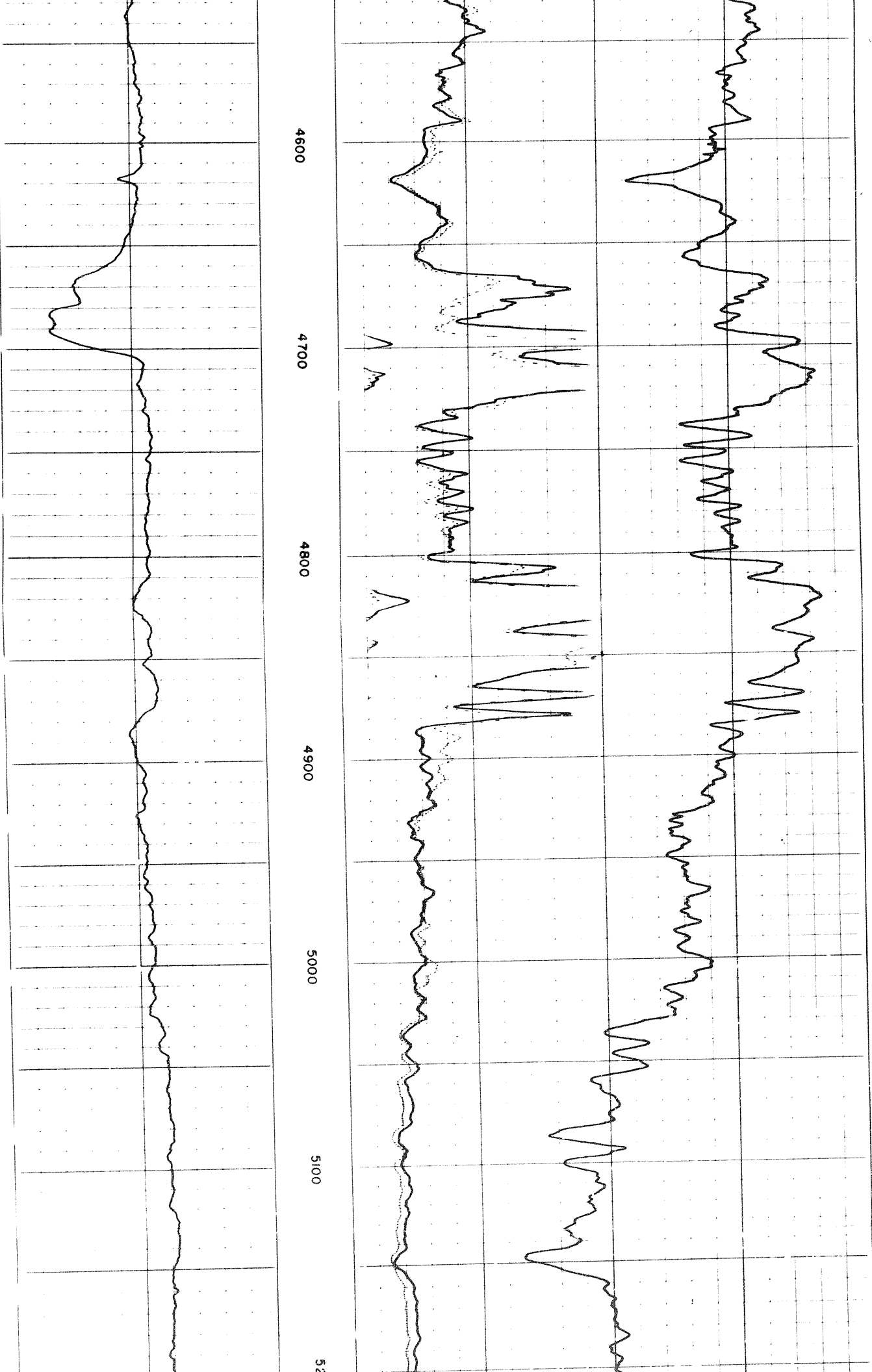
3800

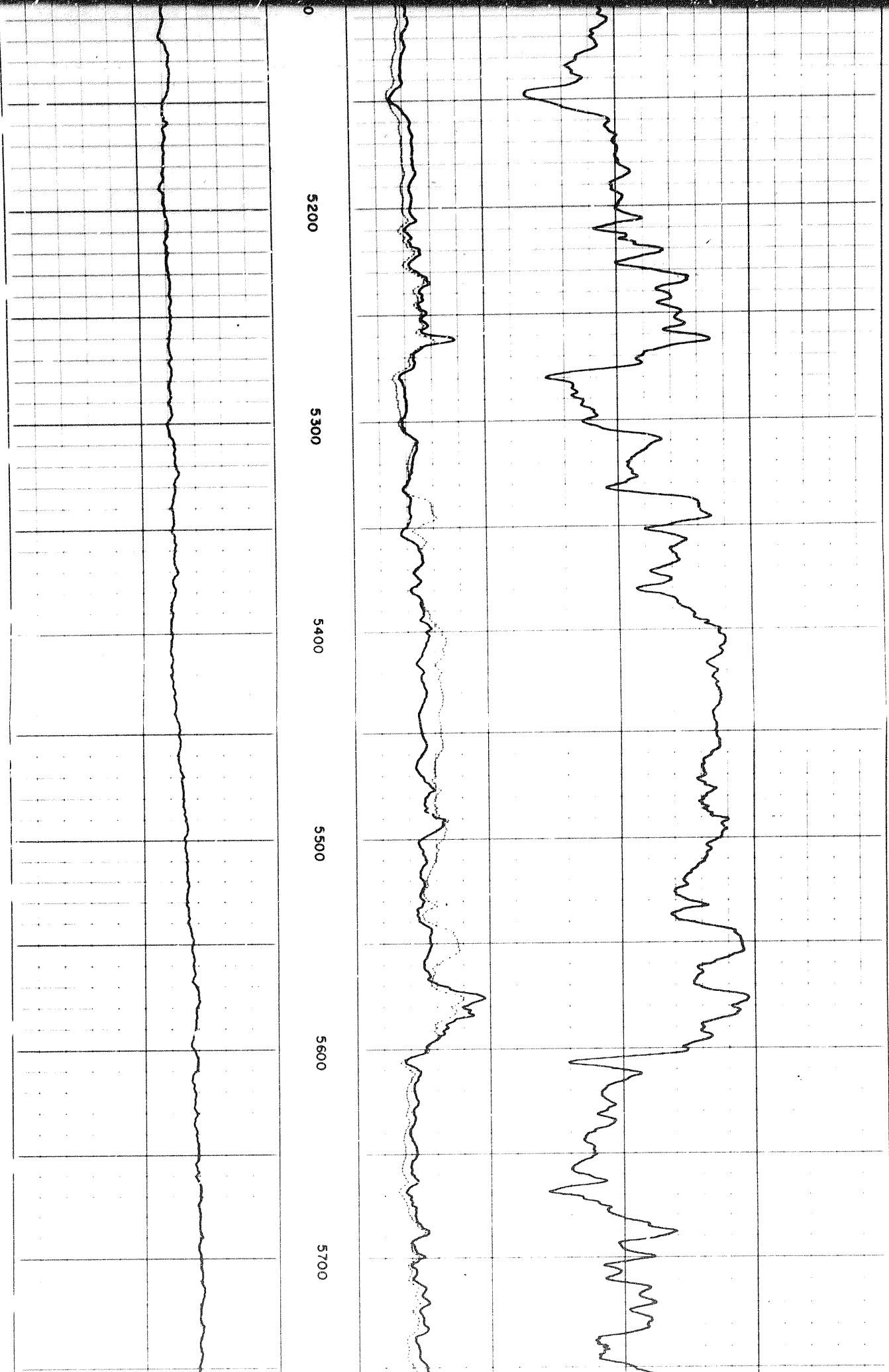
3900



492

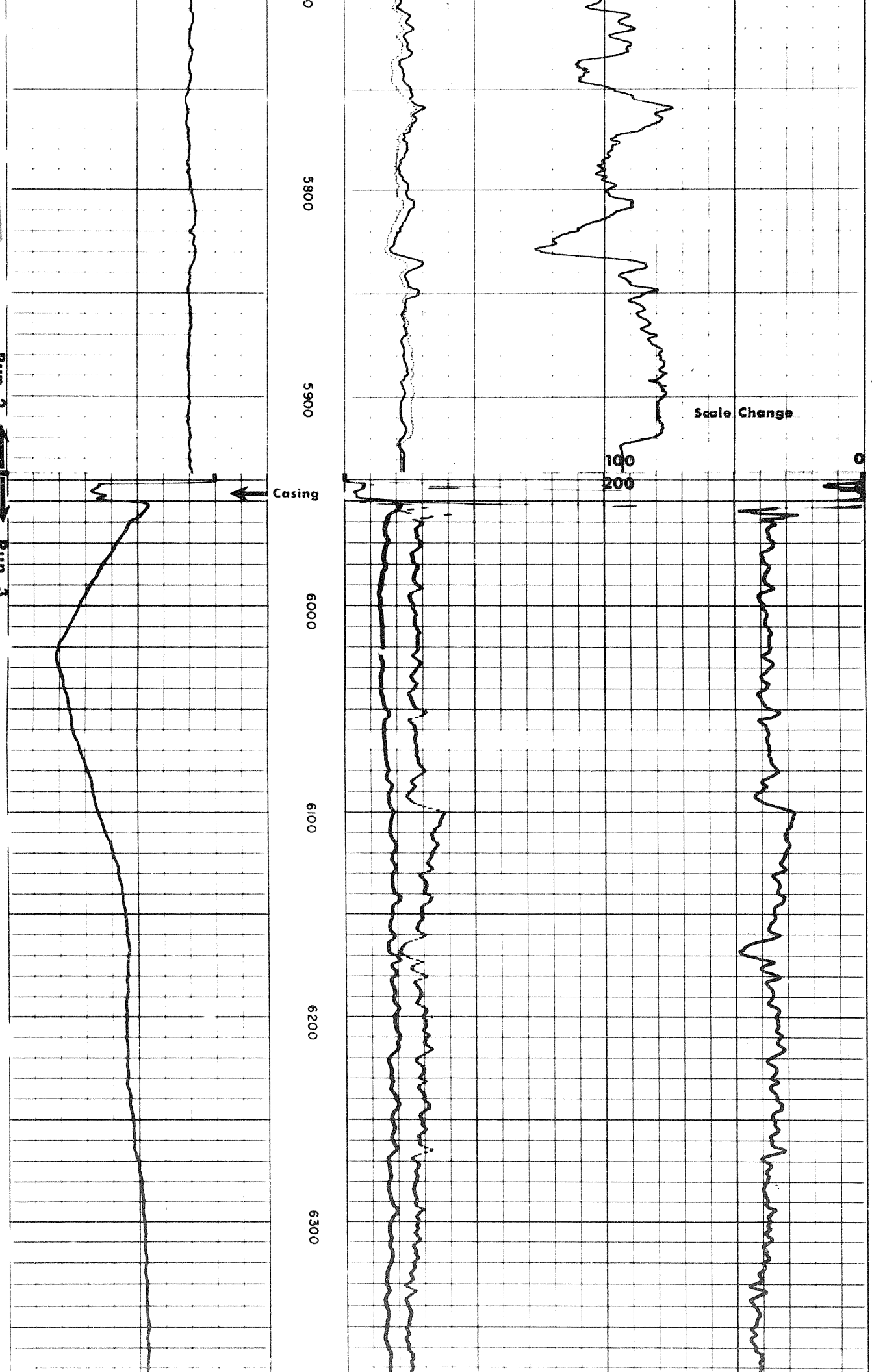


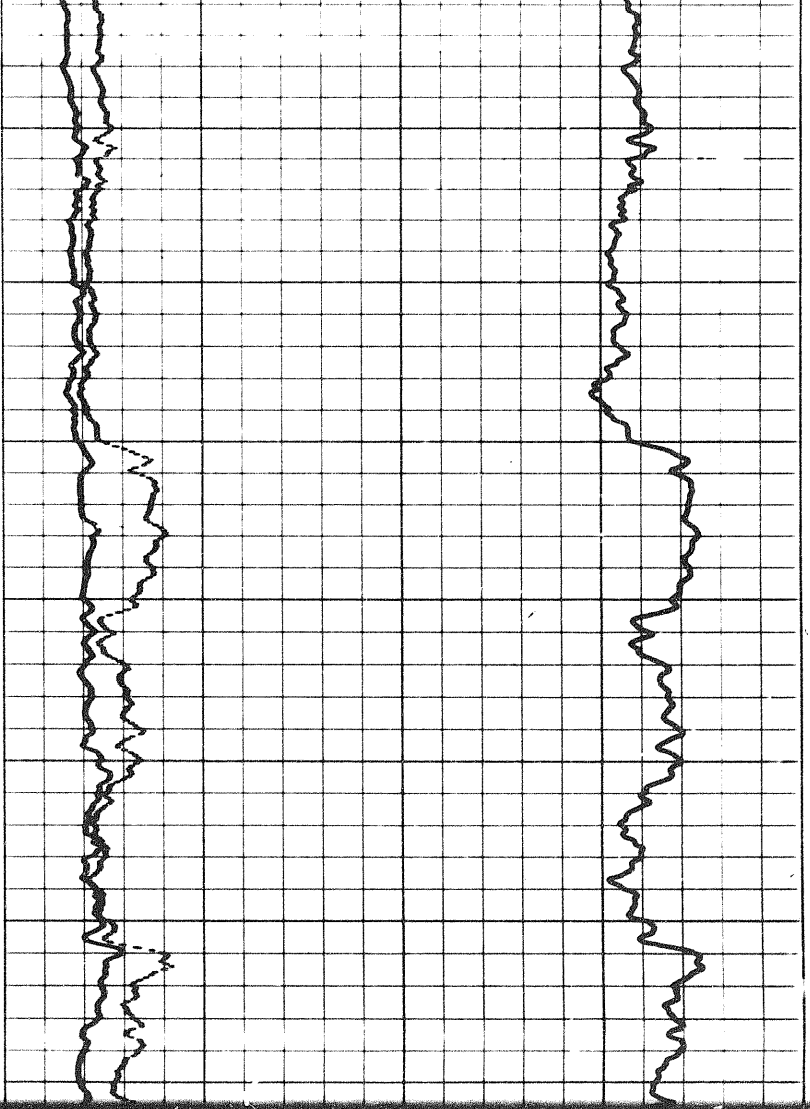




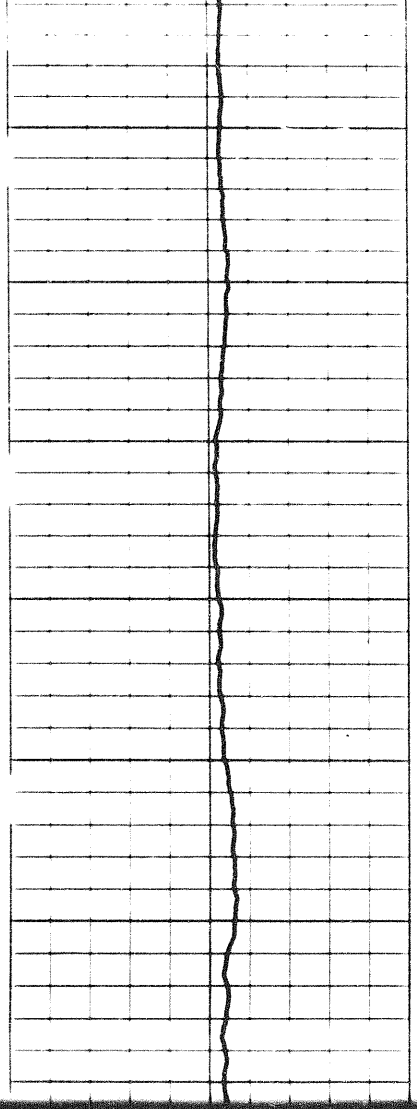
5 of

Run 2 → ← Run 3

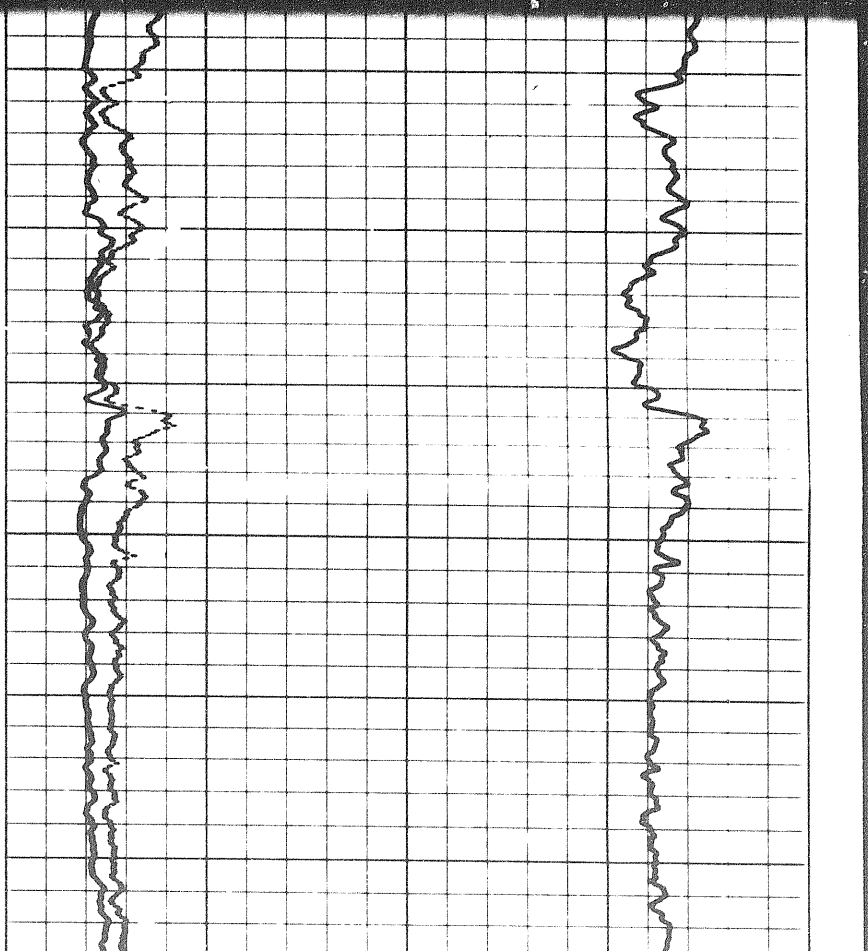




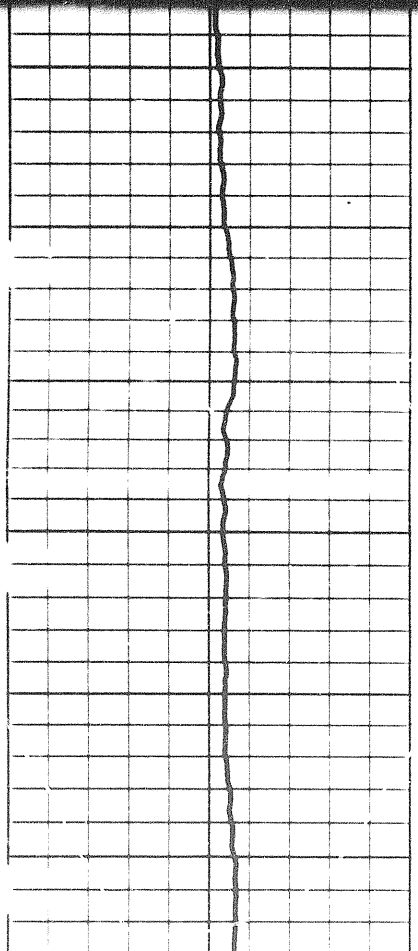
6400 6500 6600 6700



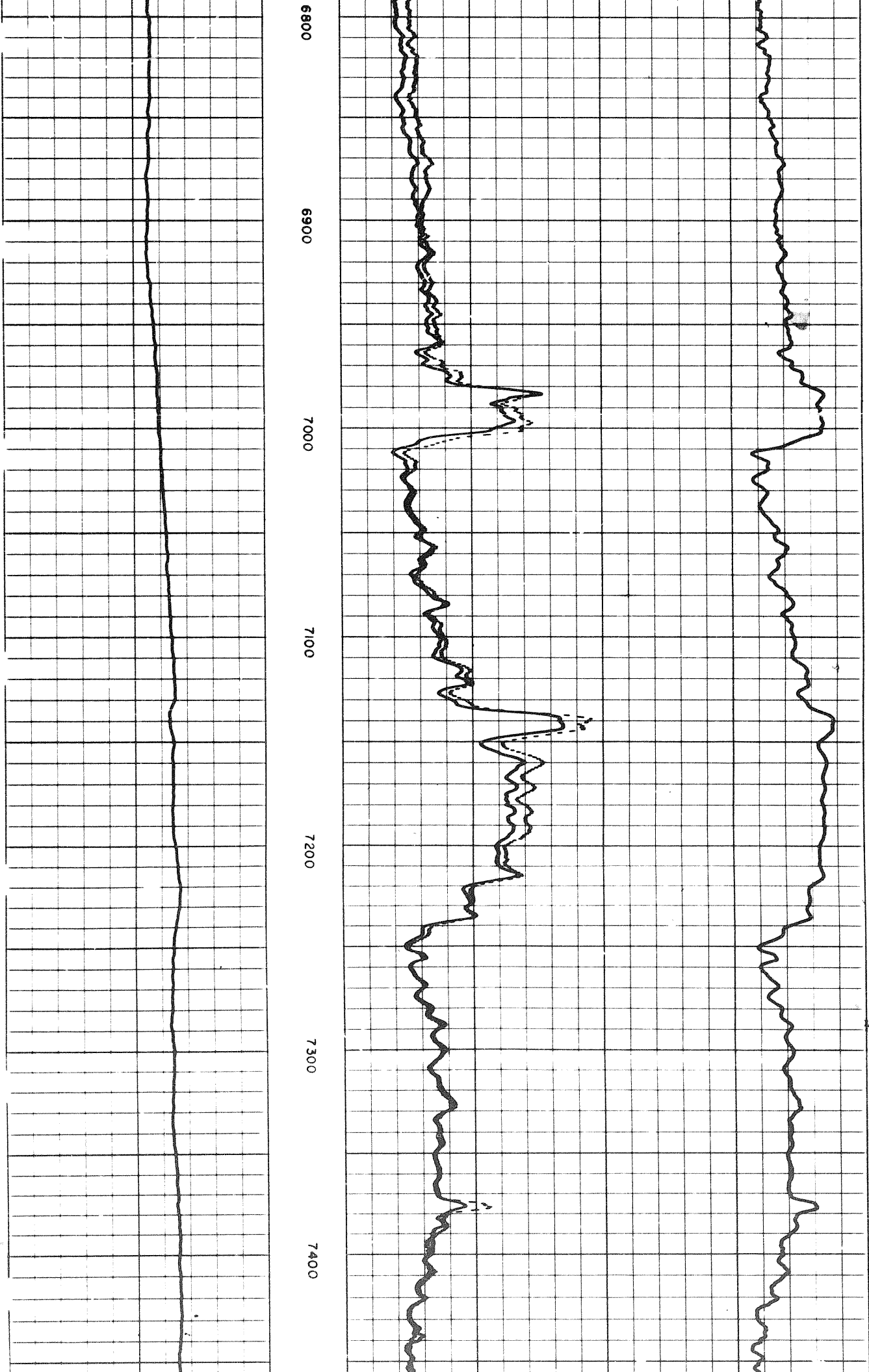
1



6600 6700 6800



1



6800

6900

7000

7100

7200

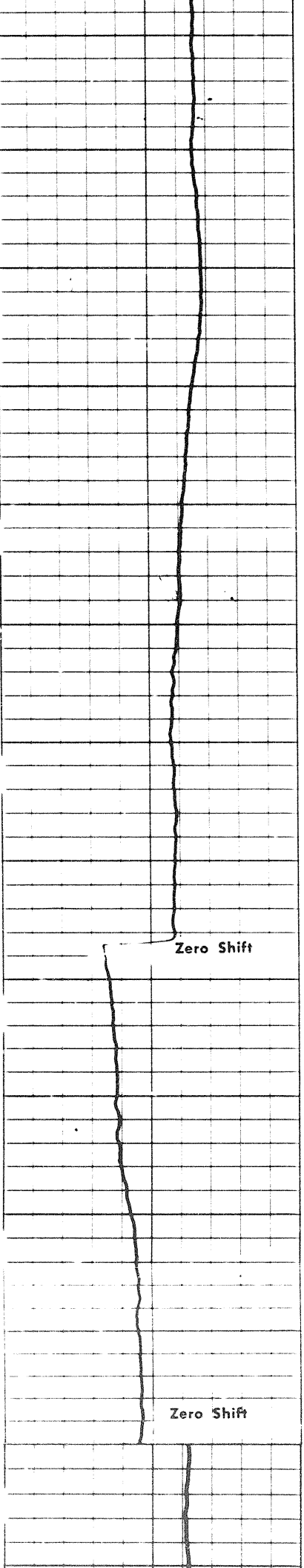
7300

7400

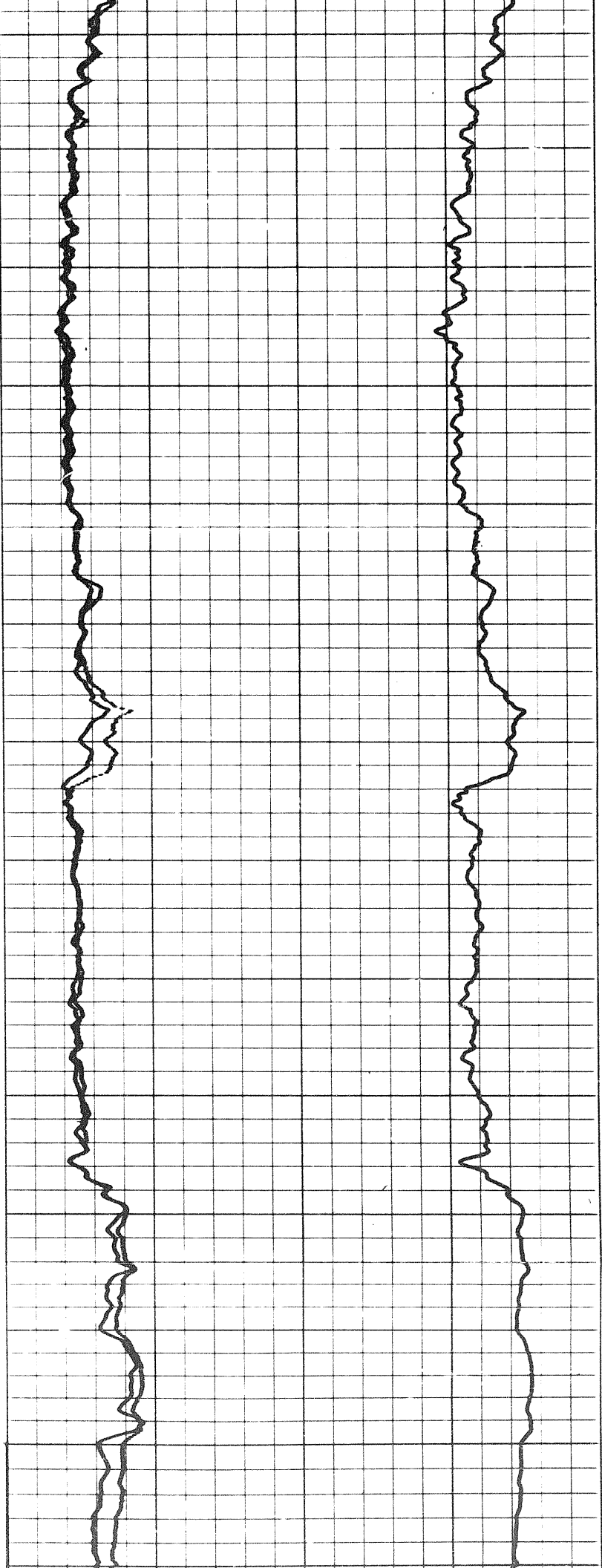
100

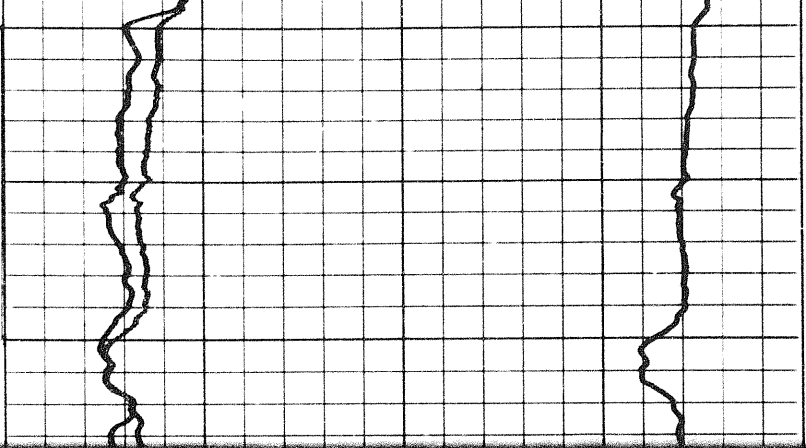
609

9



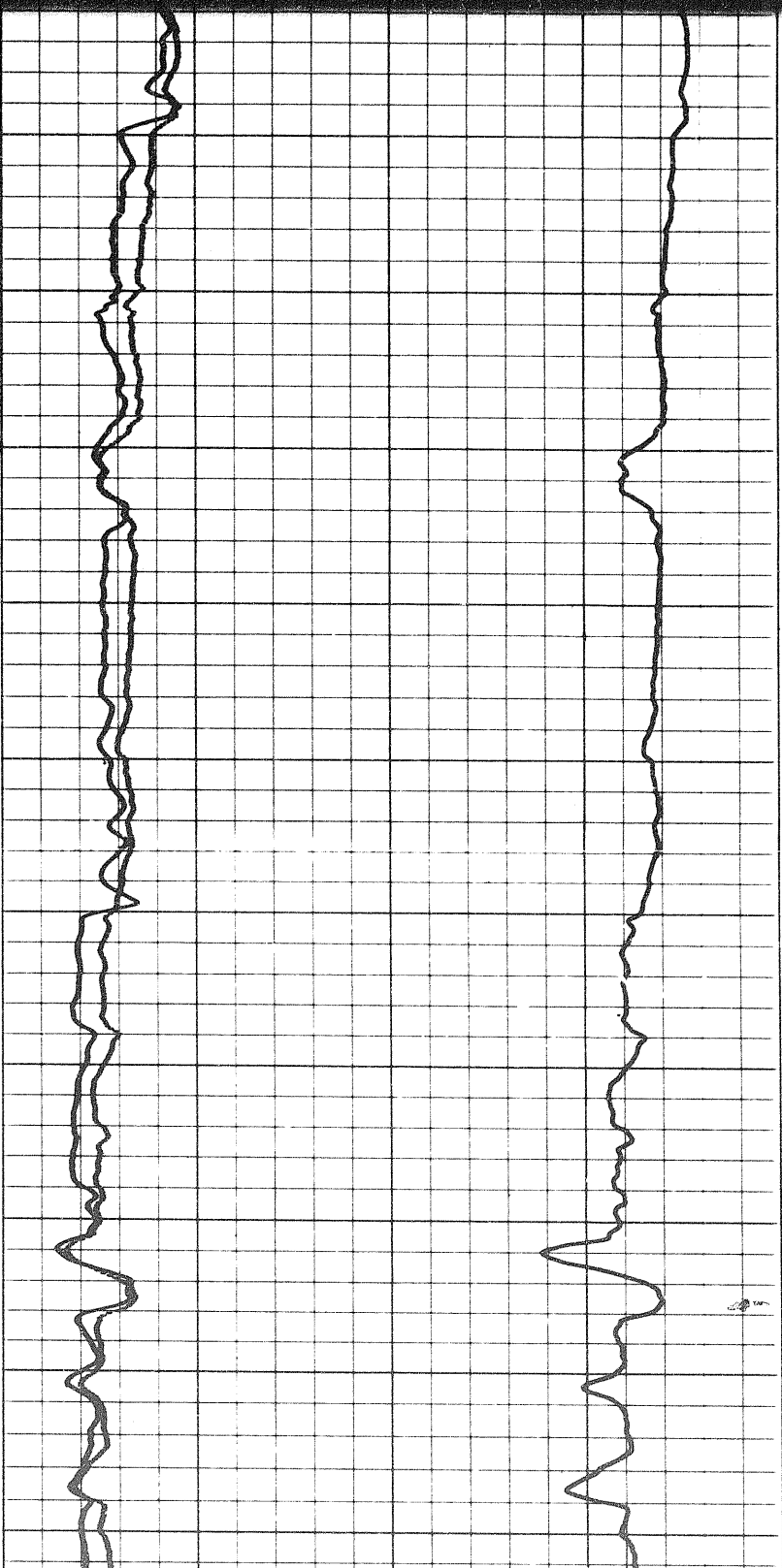
7400
7500
7600
7700
7800
7900
8000





8000

8100



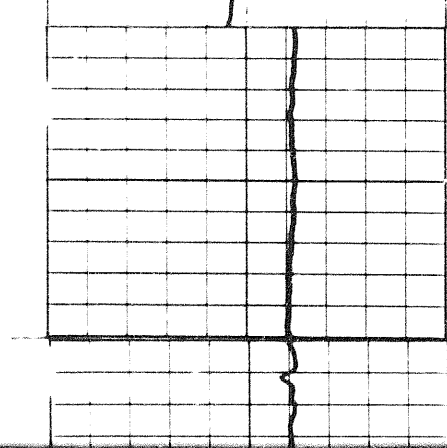
8000

8100

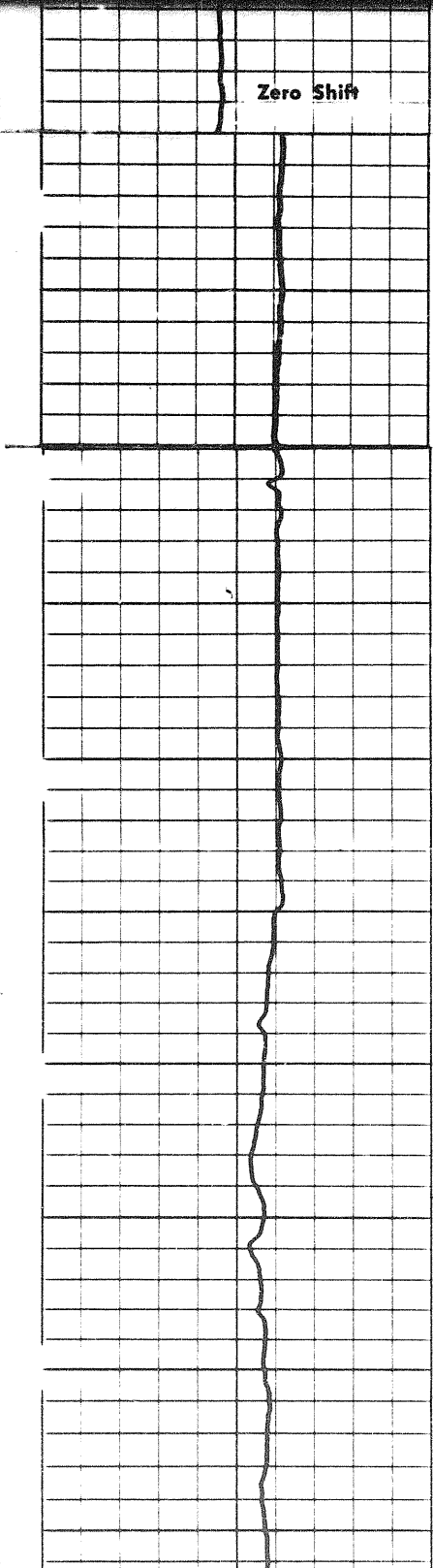
8200

8300

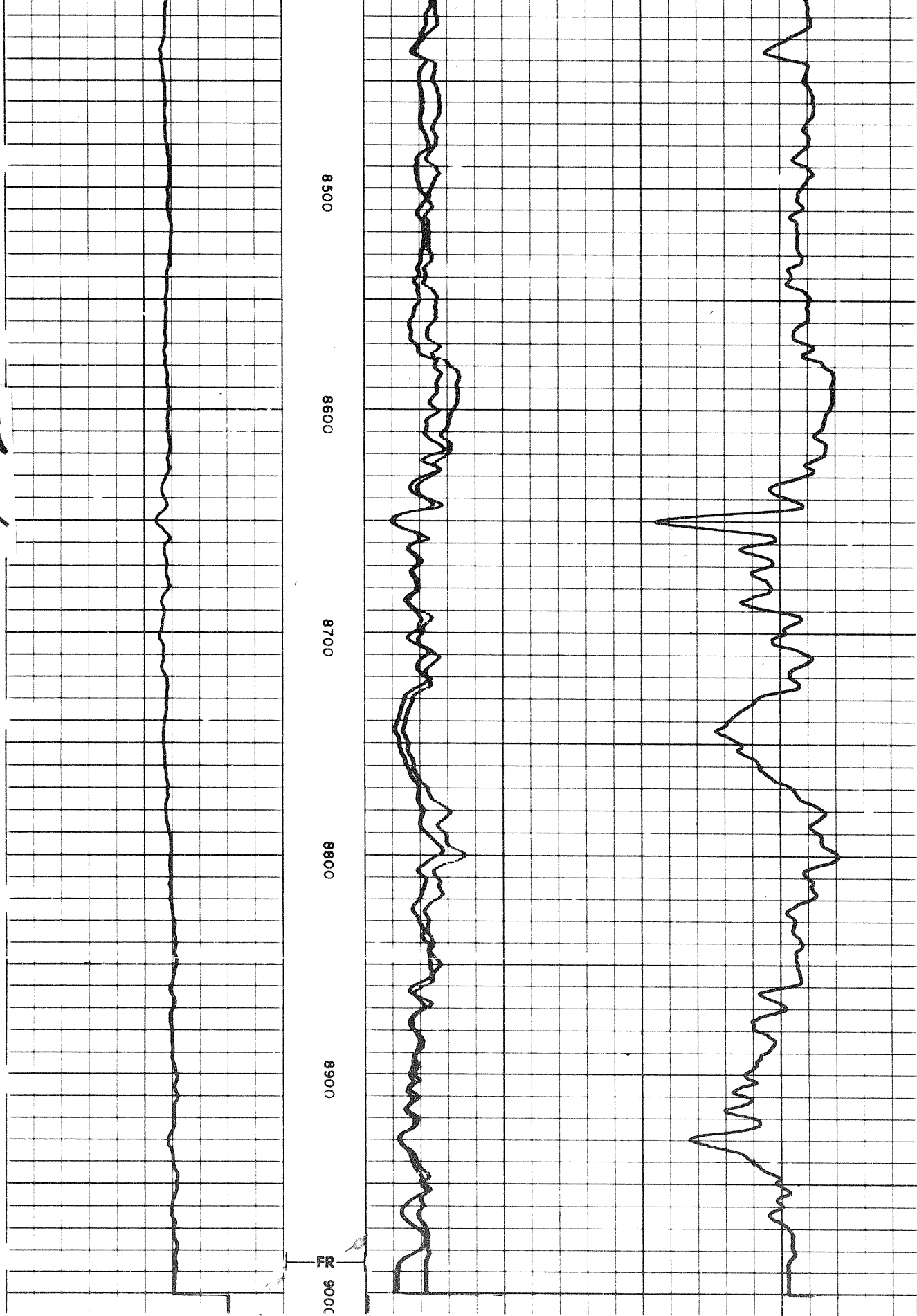
8400



Zero Shift



70 L



..... 500

----- 50
DEEP INDUCTION

Speed in FPM



| |
|------------------------|
| 500 |
| DEEP INDUCTION |
| 50 |
| 500 |
| AVERAGED LATEROLOG—8 |
| 50 |
| RESISTIVITY |
| ohms m ² /m |

| | |
|-----------|-----|
| 600 | 400 |
| 400 | 200 |
| INDUCTION | 0 |

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms m}^2/\text{m}}$

DETAIL LOG
2' = 100' RUN 1

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

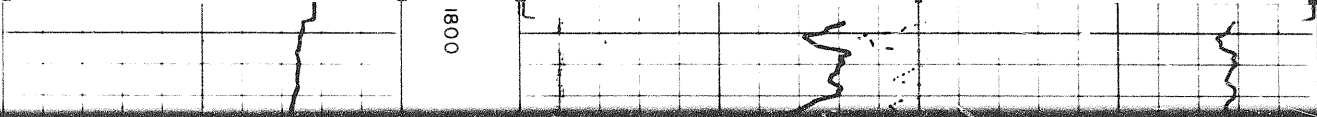
CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms m}^2/\text{m}}$

Speed in FPM



| | | | |
|-----|-----------|-----|---|
| 200 | INDUCTION | 100 | 0 |
| 300 | | 200 | |

| |
|------------------------|
| RESISTIVITY |
| ohms m ² /m |
| AVERAGED LATEROLOG—8 |
| 50 |
| 500 |
| DEEP INDUCTION |
| 50 |
| 500 |

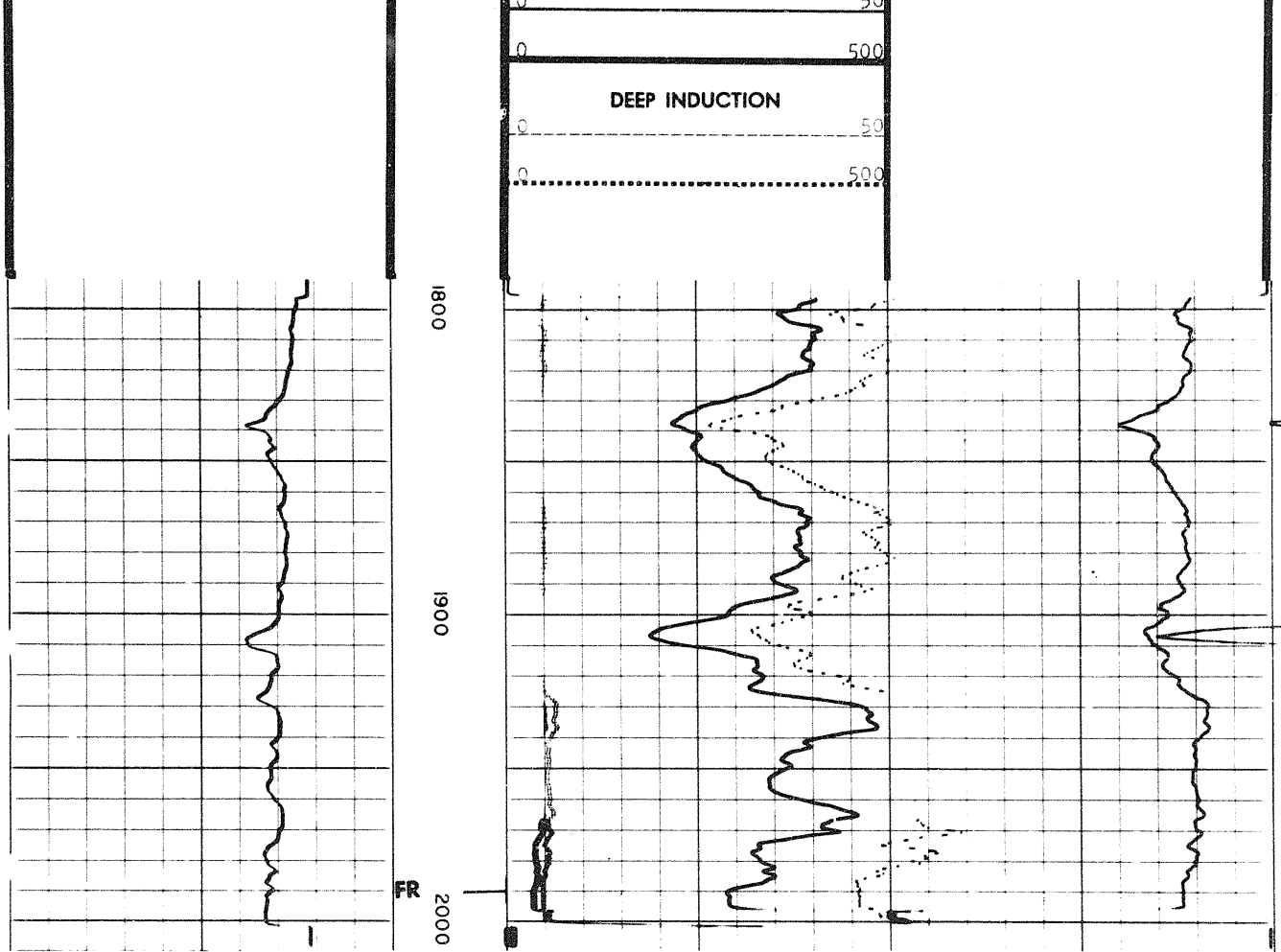


1800

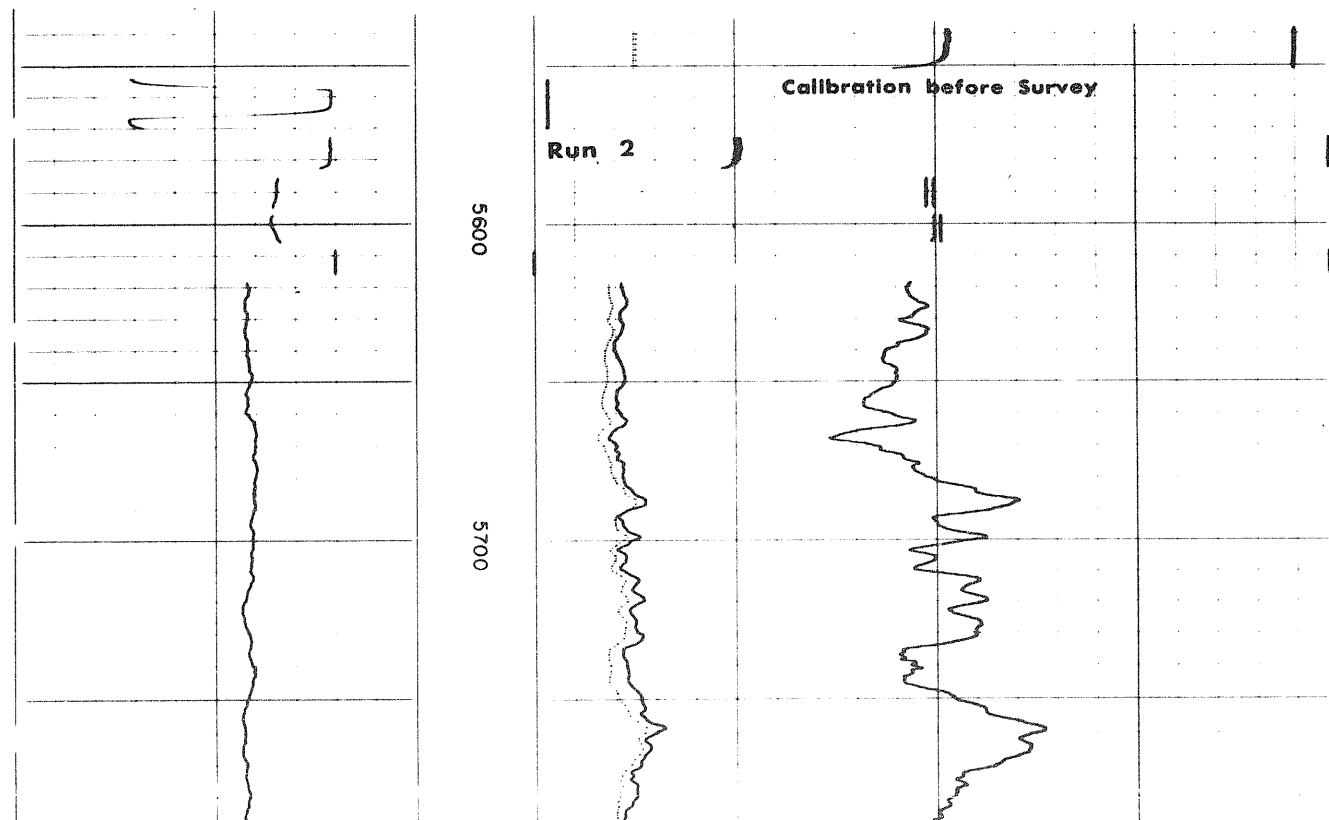
RESISTIVITY
ohms m²/m

AVERAGED LATEROLOG—8
50
500

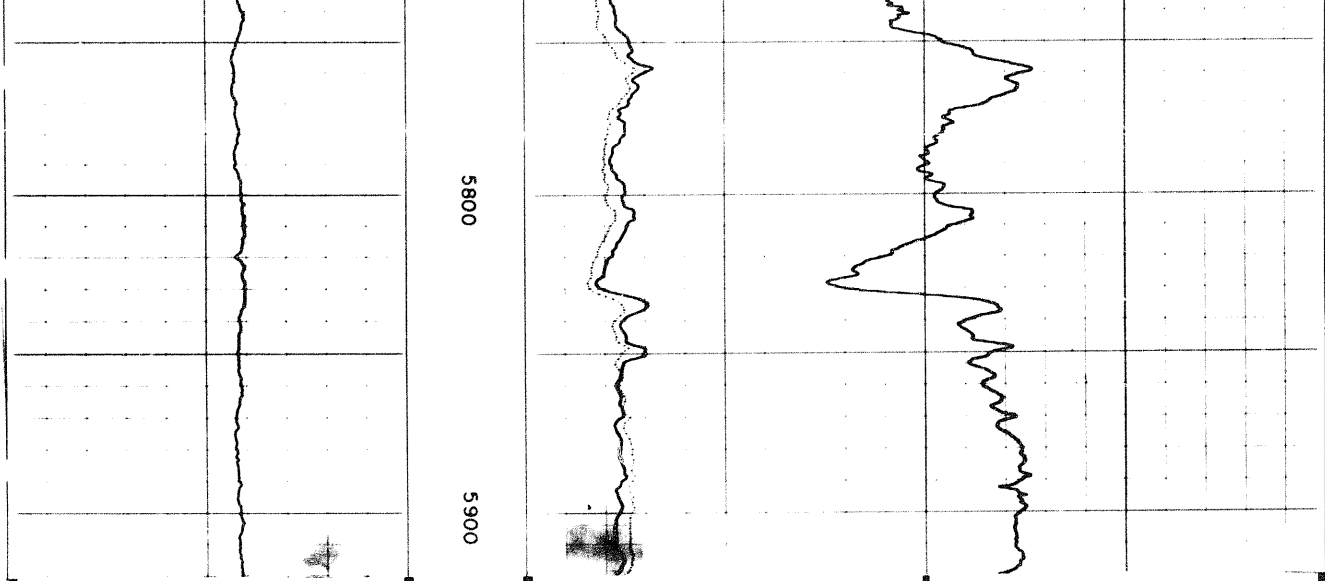
DEEP INDUCTION
50



REPEAT SECTION



708



5800

5900

| | |
|---------------------------------------|-----|
| 0 | 500 |
| 0 | 50 |
| DEEP INDUCTION | |
| 0 | 500 |
| 0 | 50 |
| AVERAGED LATEROLOG-8 | |
| RESISTIVITY ohms m ² /m | |

Speed in FPM



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

DETAIL LOG
5" = 100' RUN 1

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

Speed in FPM



| | | | |
|----------------------|----|-----|------|
| LATEROLOG-8 | | | |
| 1 | 10 | 100 | 1000 |
| MEDIUM INDUCTION LOG | | | |
| 1 | 10 | 100 | 1000 |
| DEEP INDUCTION LOG | | | |
| 1 | 10 | 100 | 1000 |

RESISTIVITY
ohms m²/m

Speed in FPM



SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

CONDUCTIVITY
millimhos/m = $\frac{1000}{\text{ohms m}^2/\text{m}}$

DETAIL LOG
5" = 100' RUN 1

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

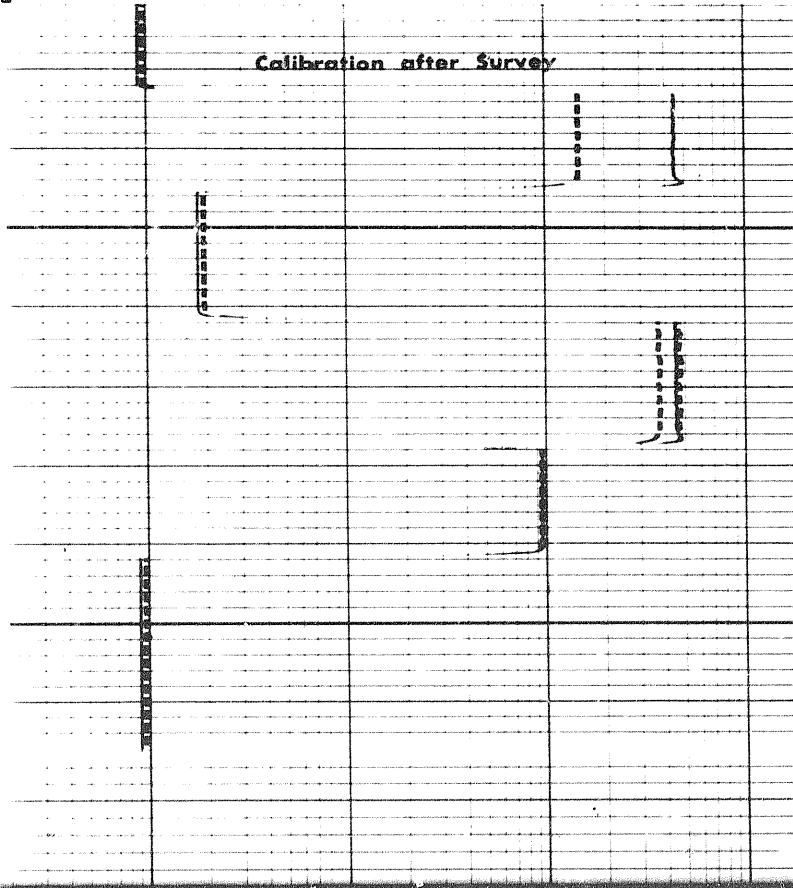
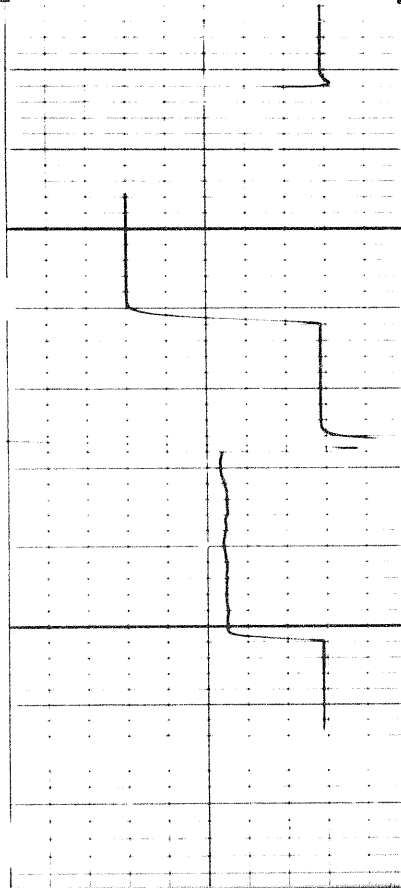
Speed in FPM

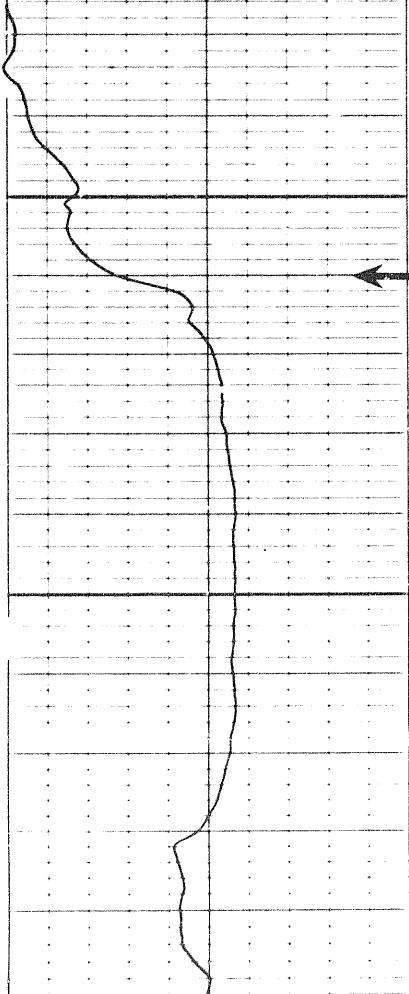
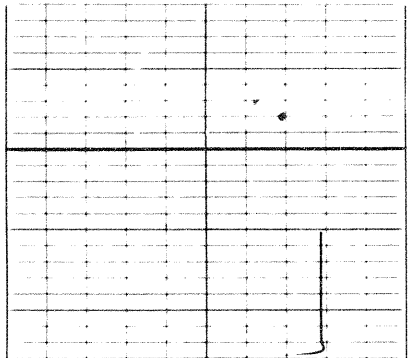
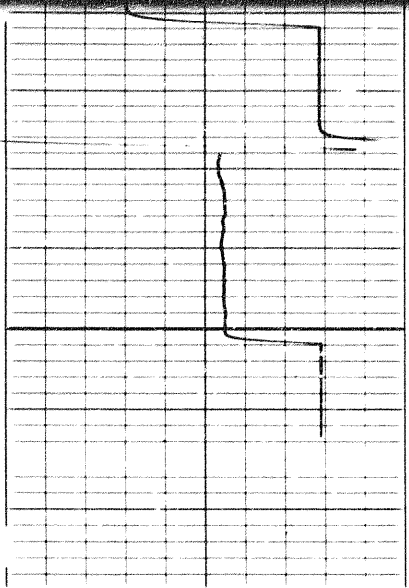


LATEROLOG-8
1 10 100 1000

MEDIUM INDUCTION LOG
1 10 100 1000

DEEP INDUCTION LOG
1 10 100 1000

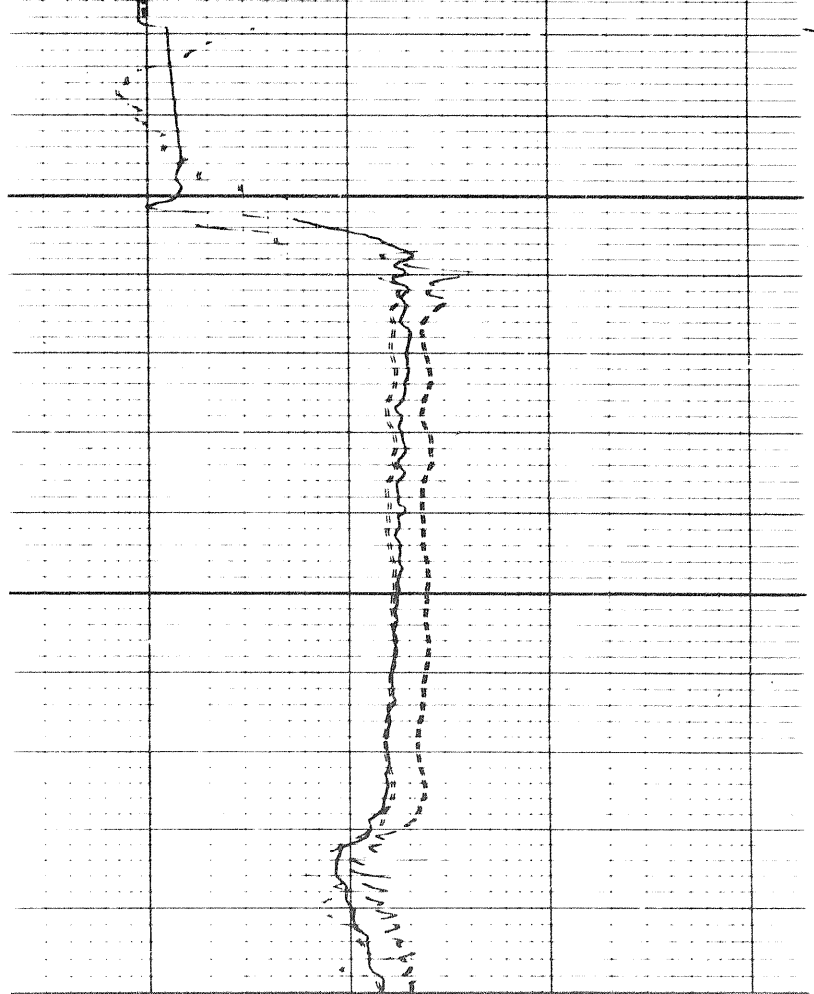
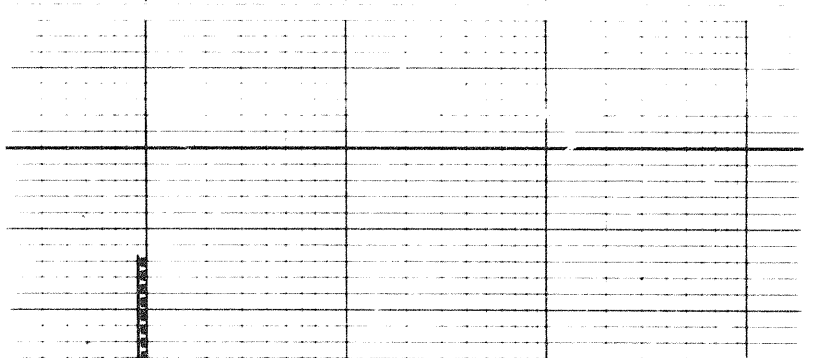
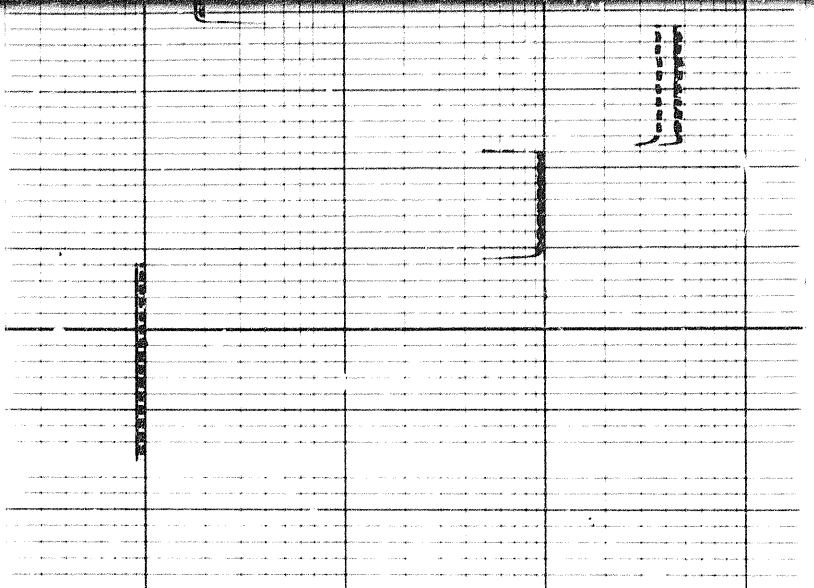




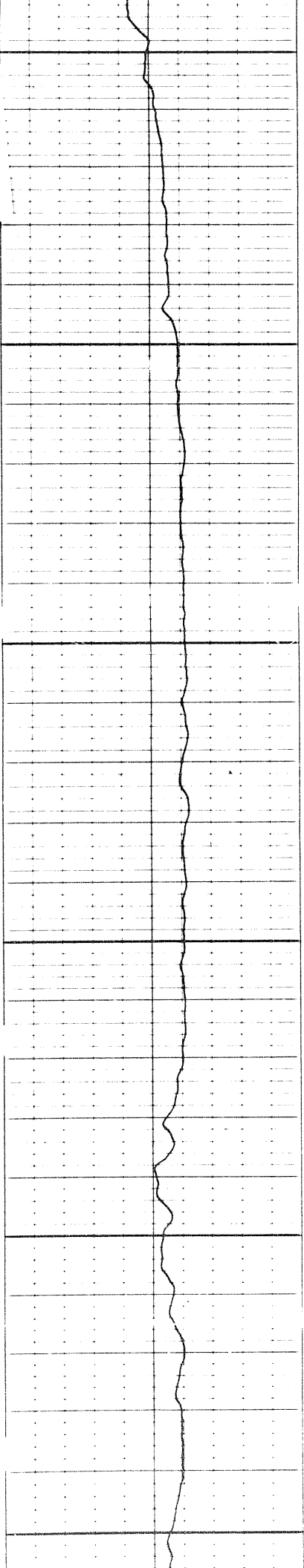
0400

← Casing

0500



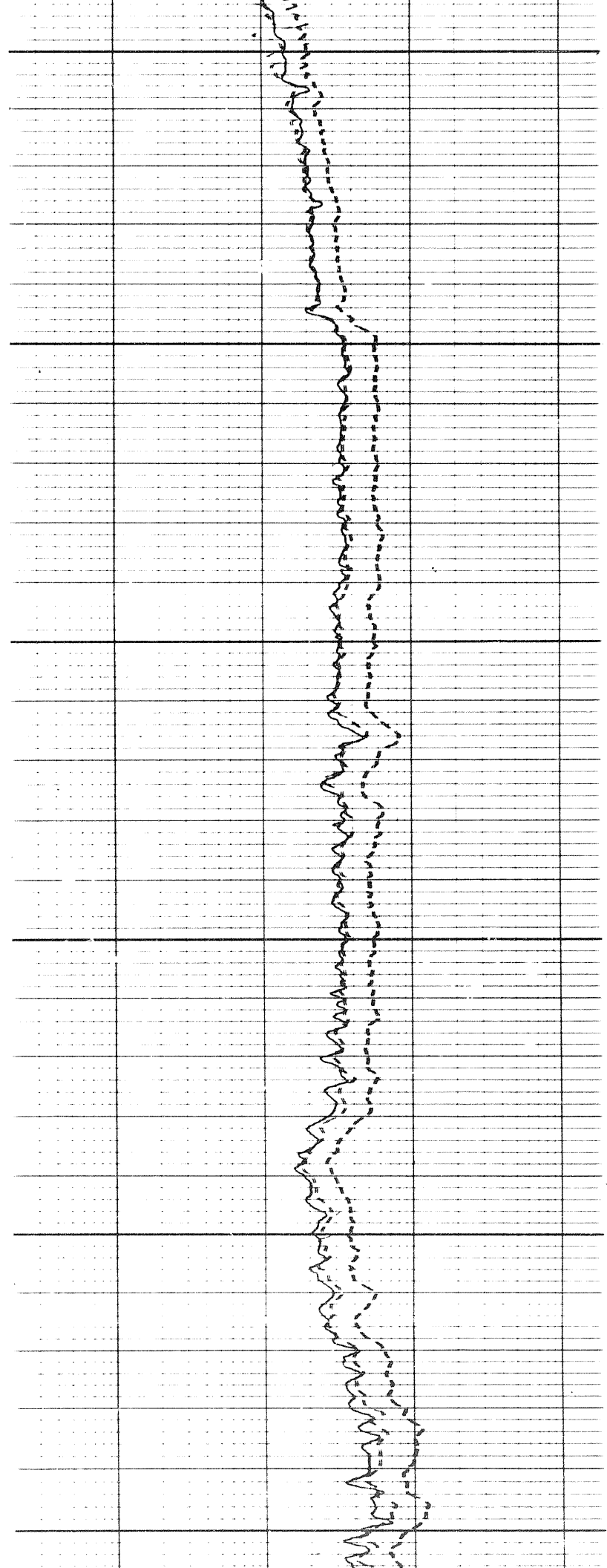
924

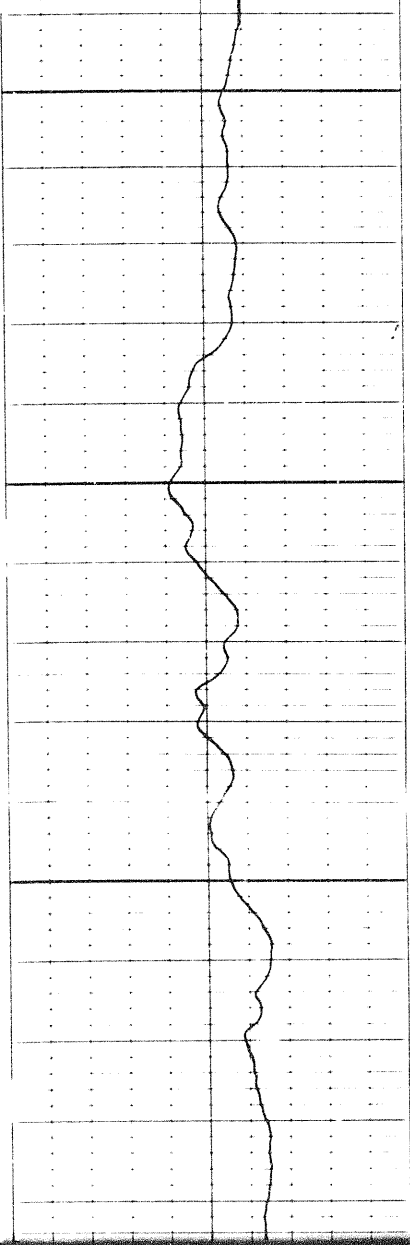


0600

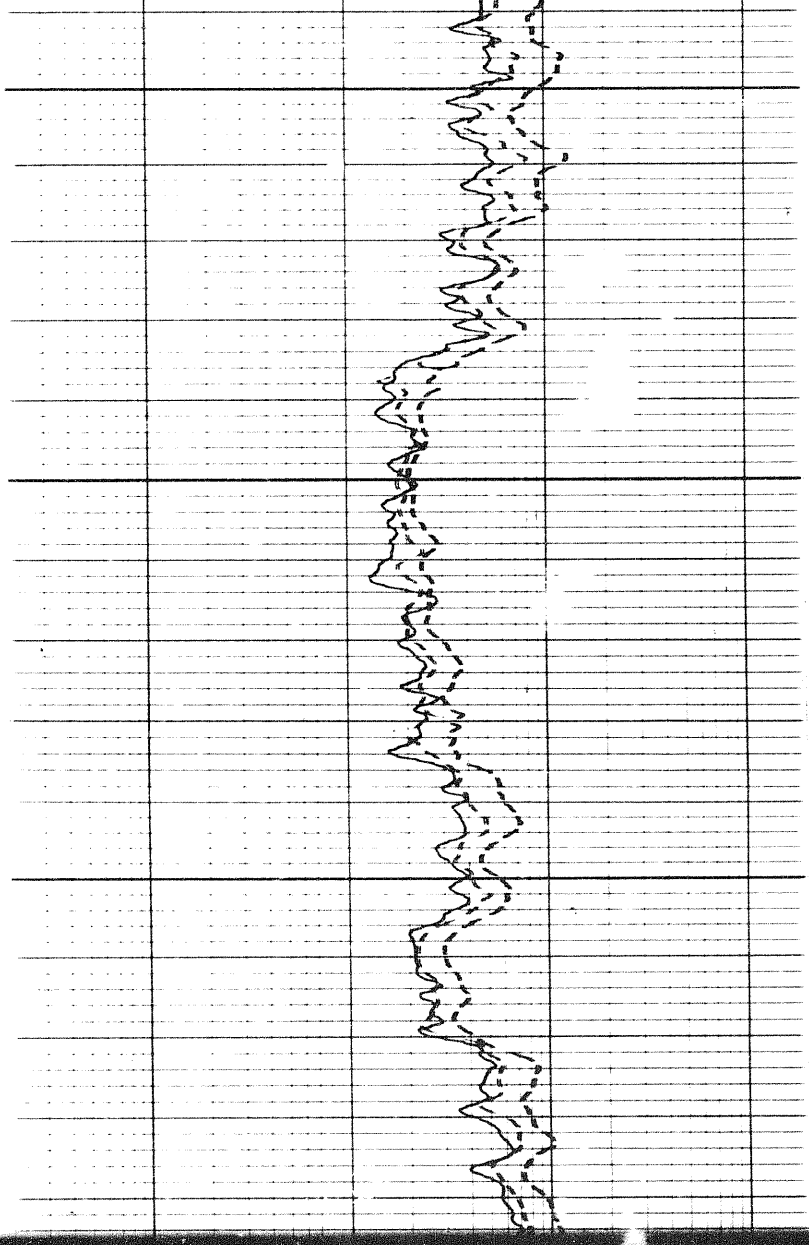
0700

0800

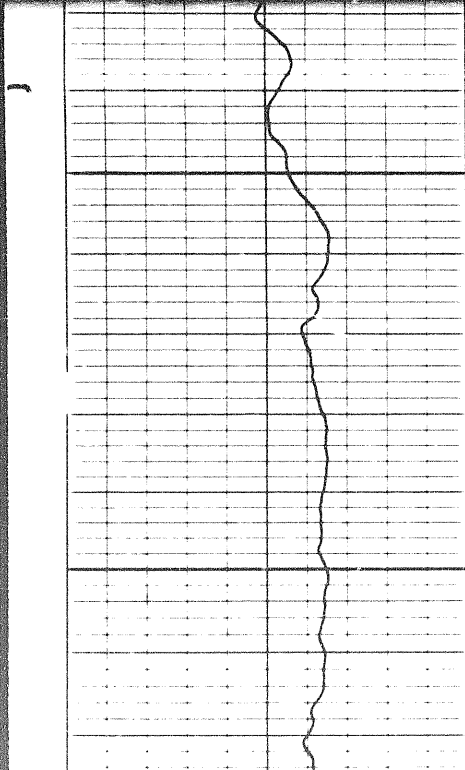




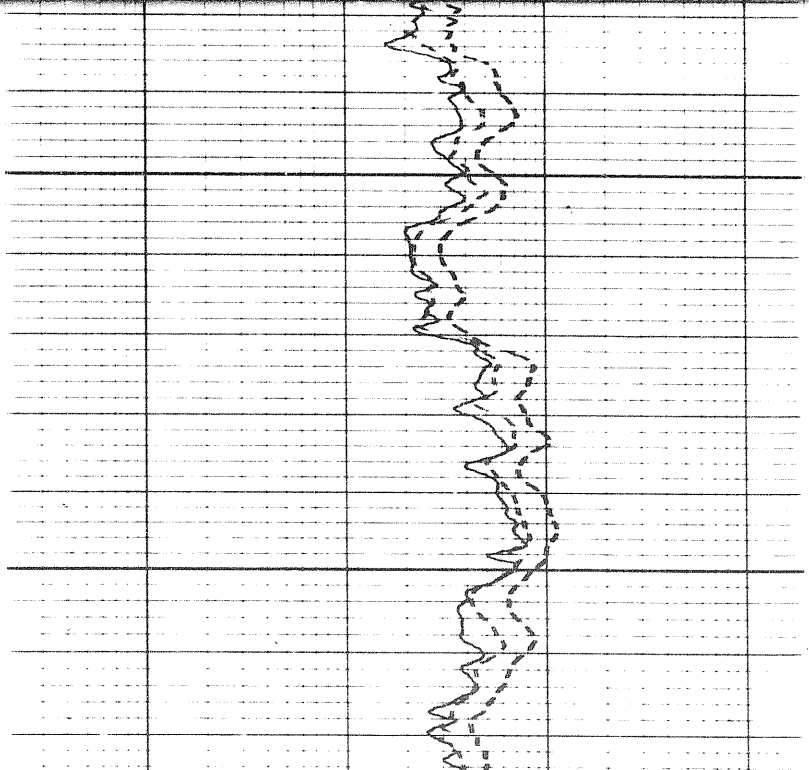
0080



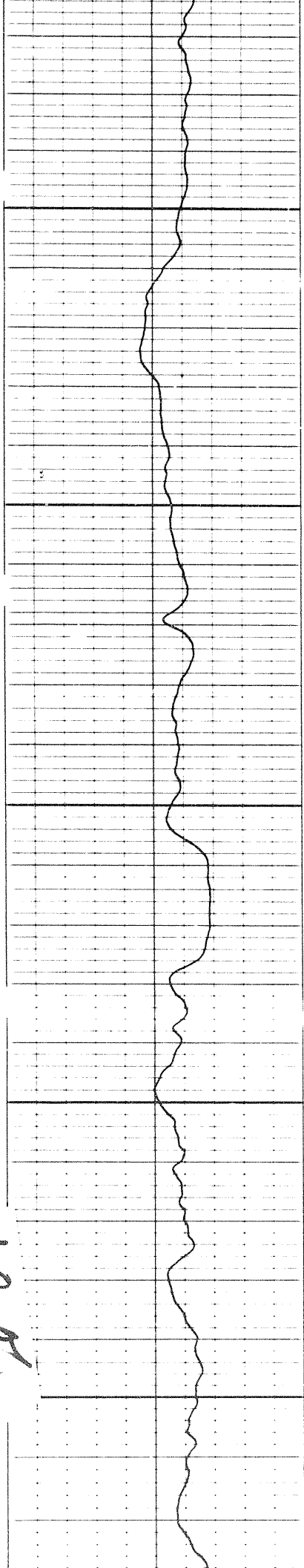
0060



0060



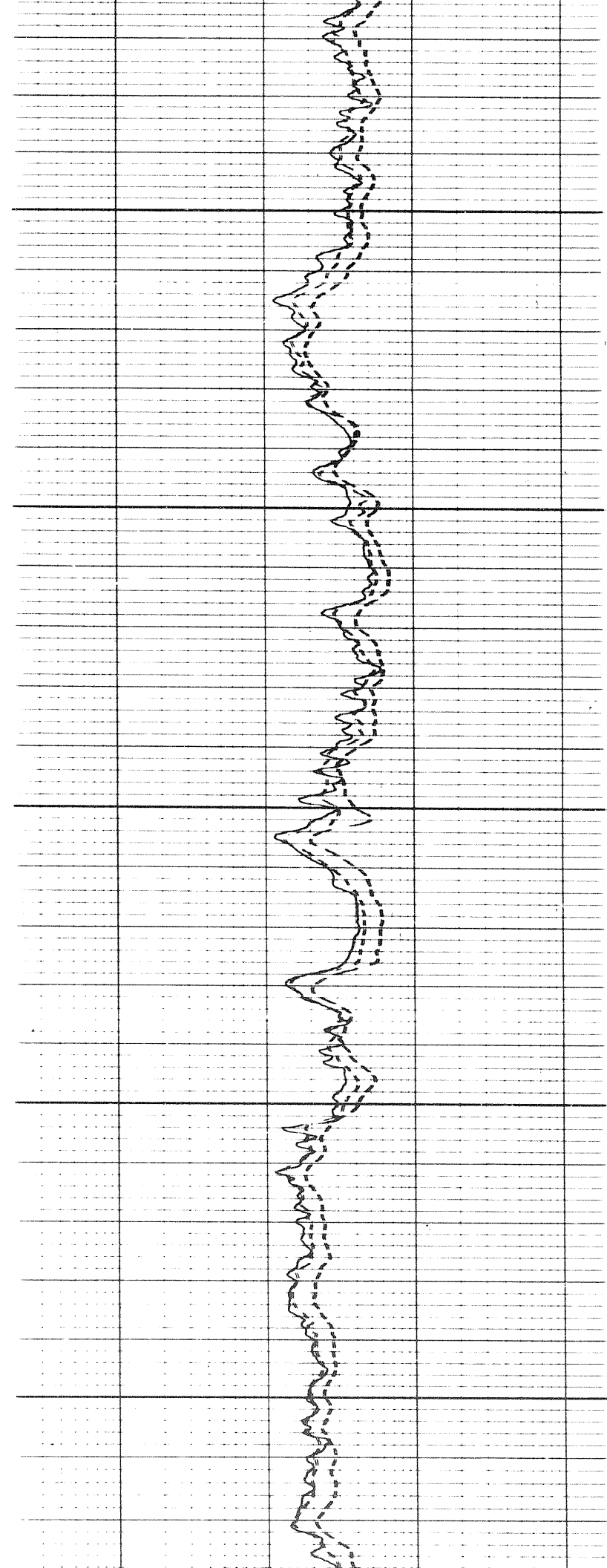
10-1

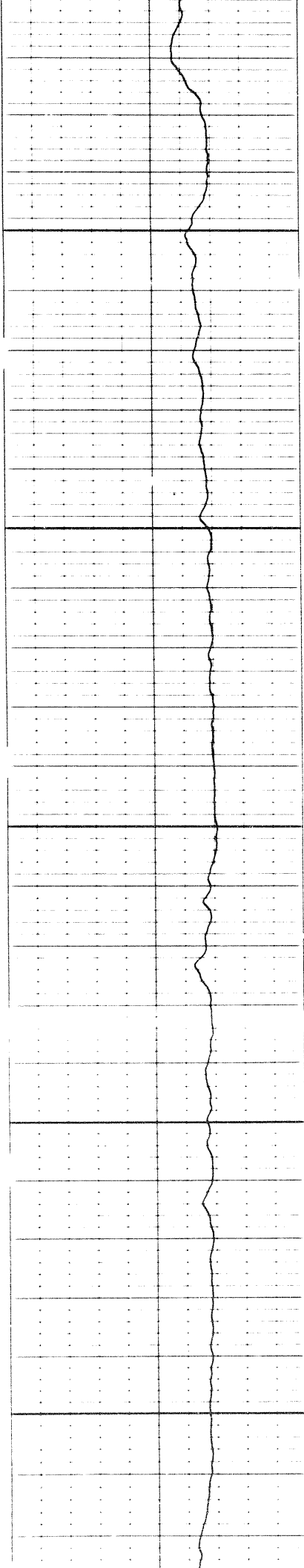


1000

1100

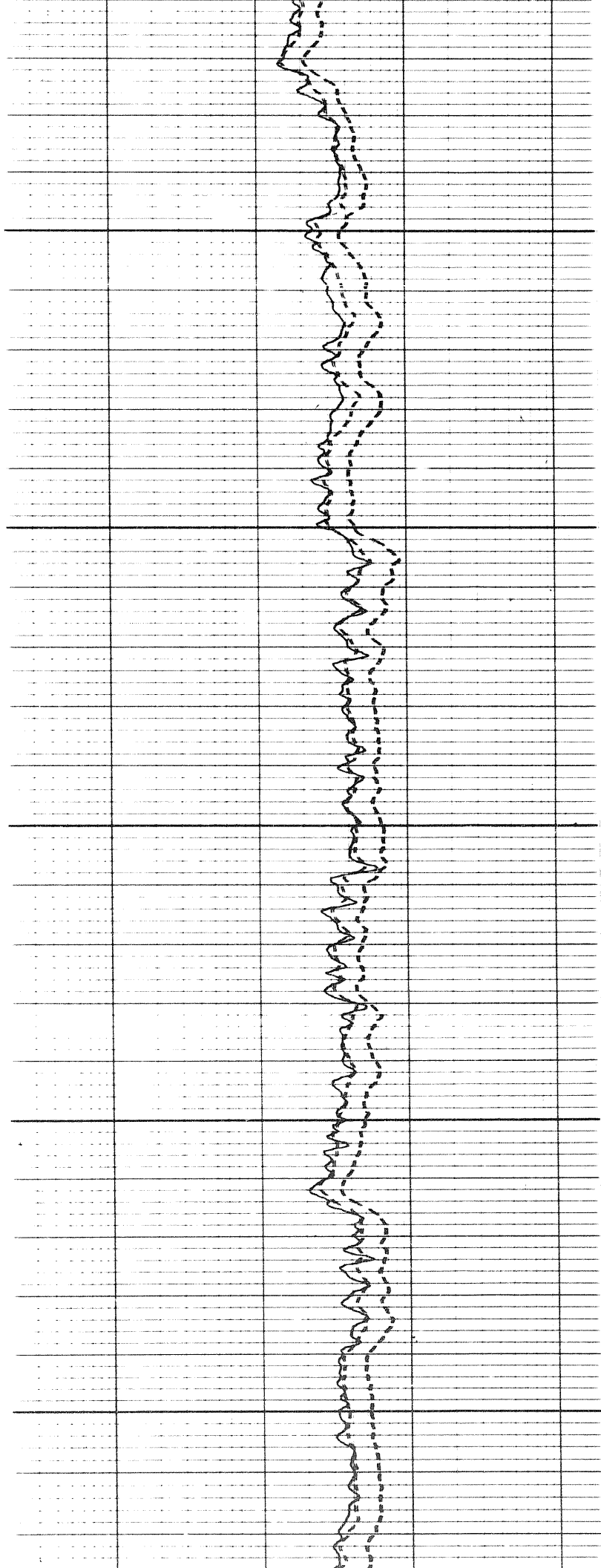
1200





1300

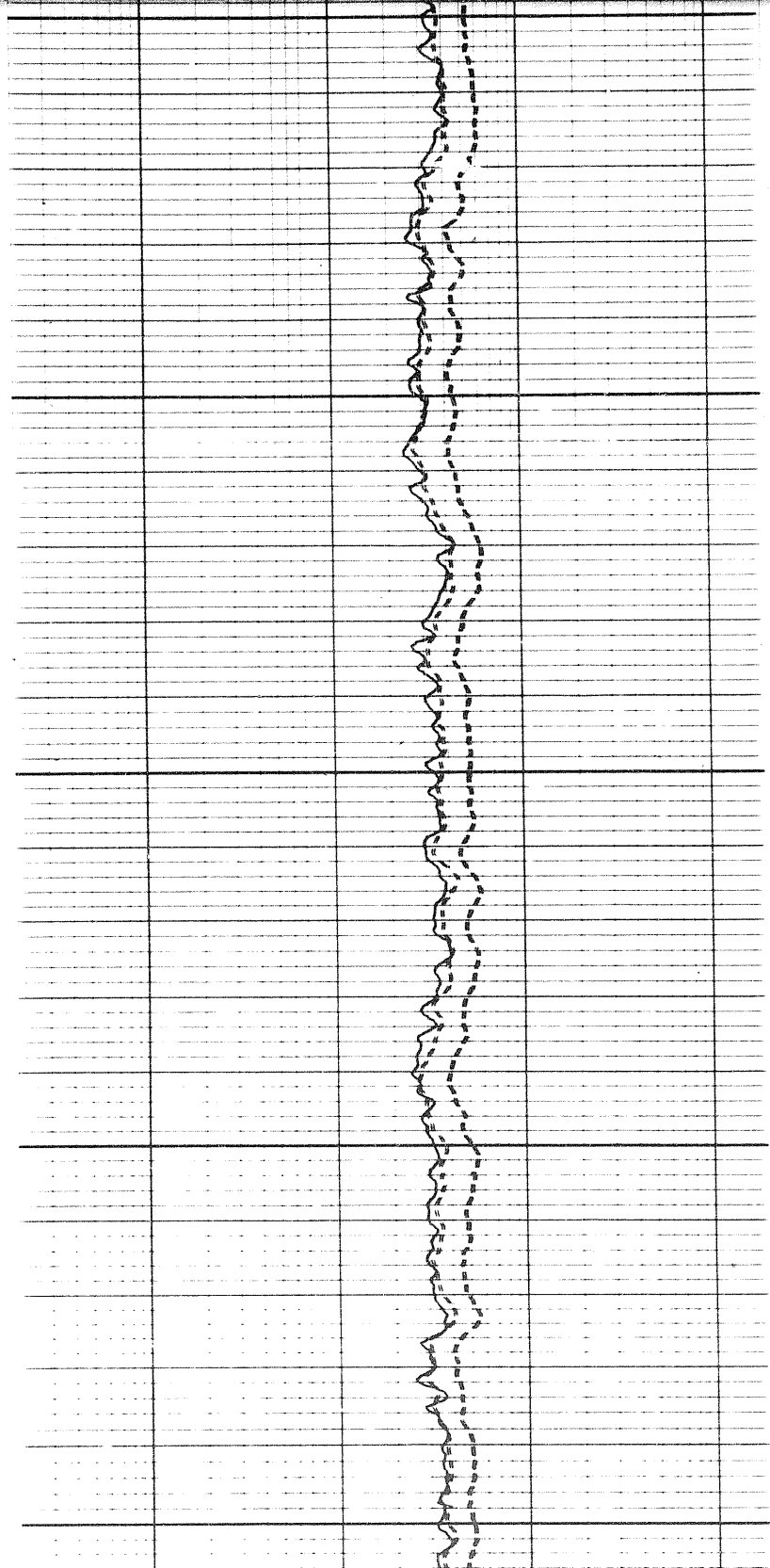
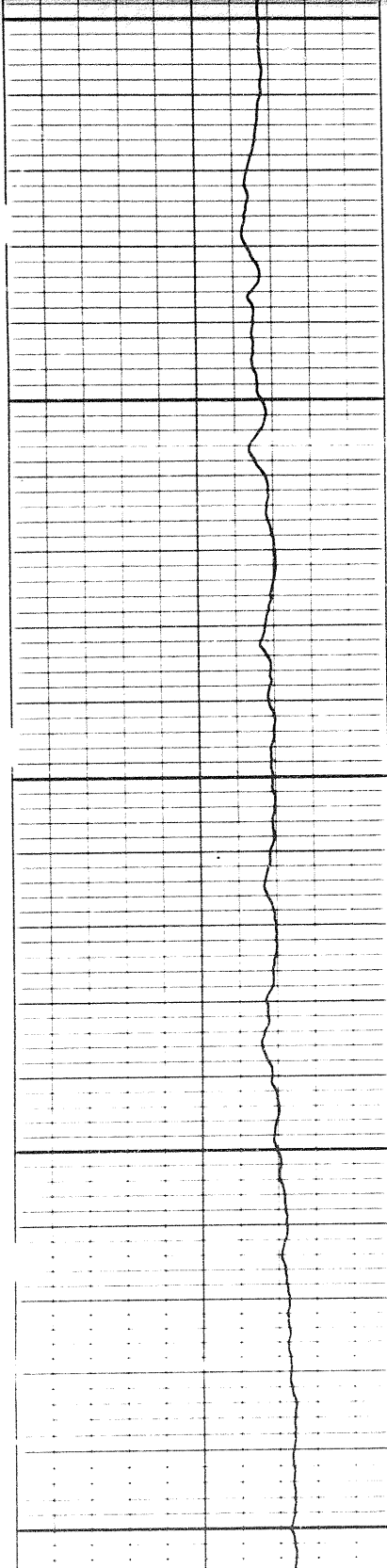
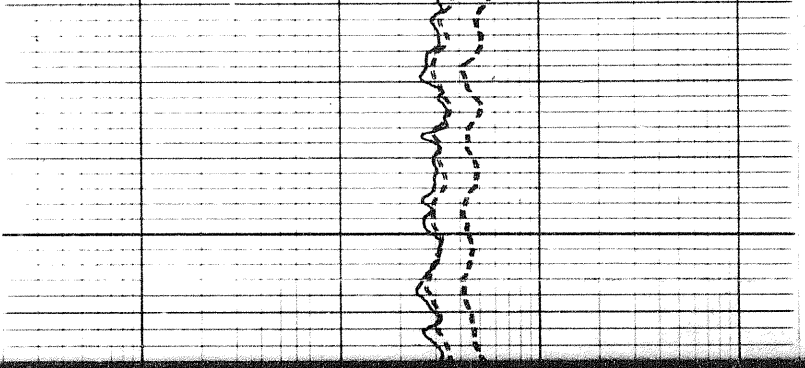
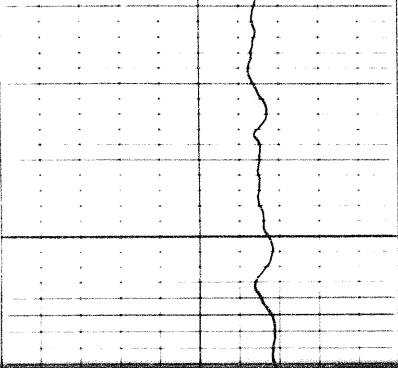
1400



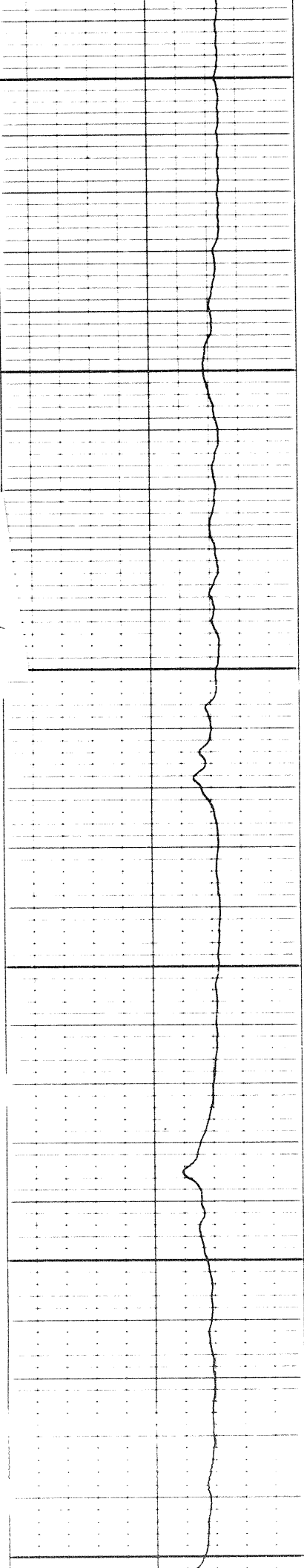
1500

1500

1500



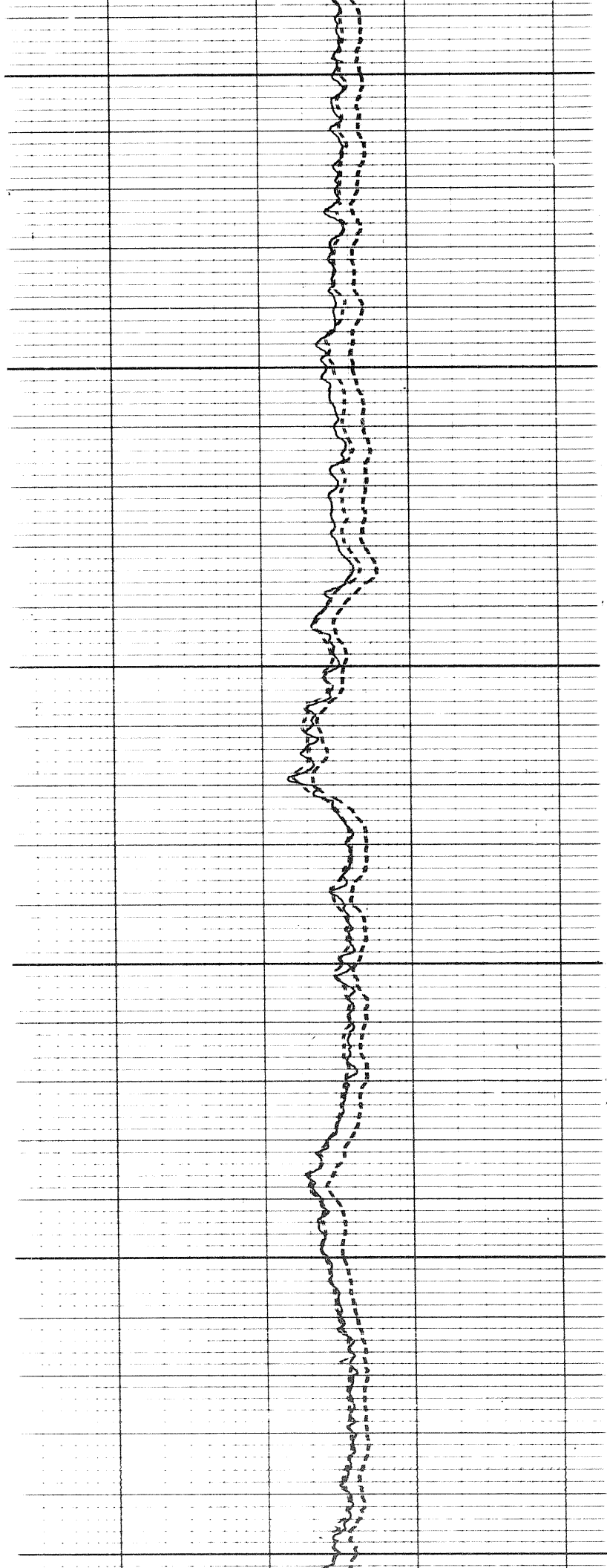
11.7

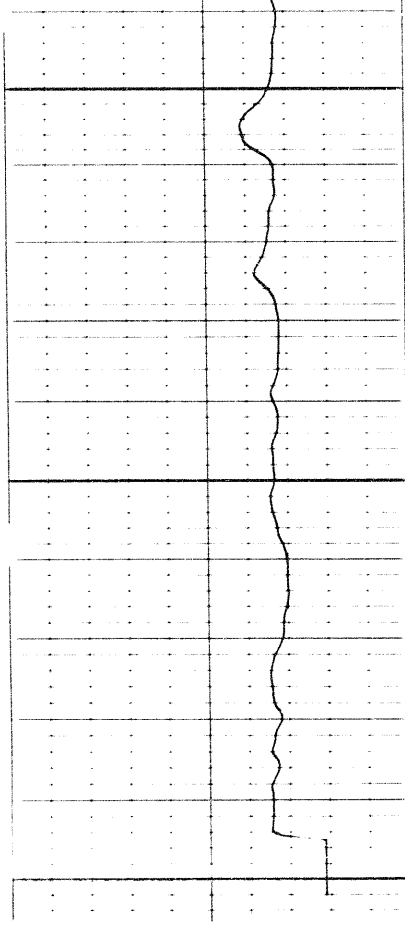


1700

1800

1900

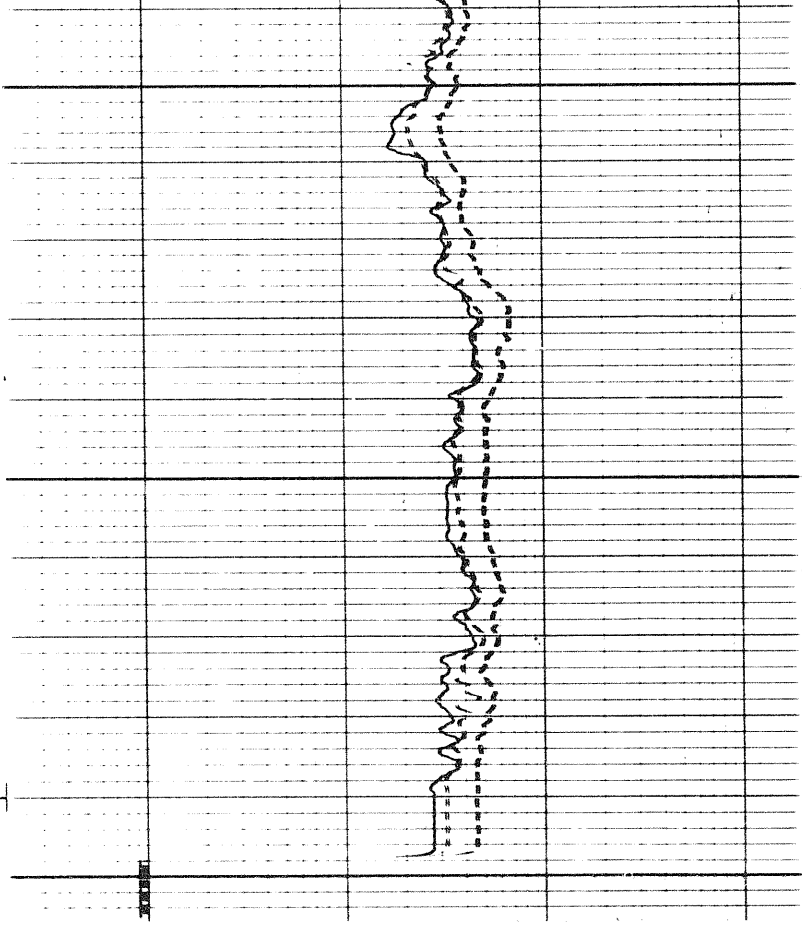




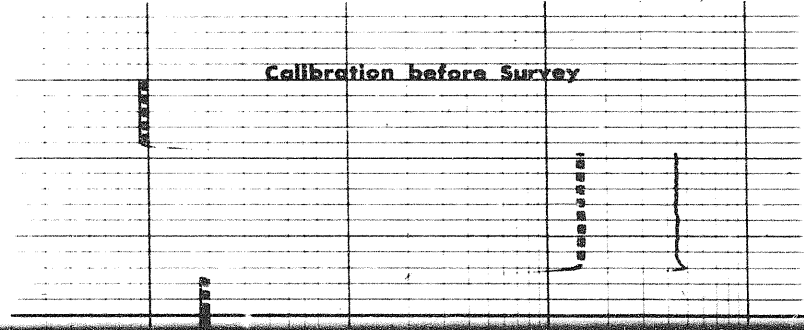
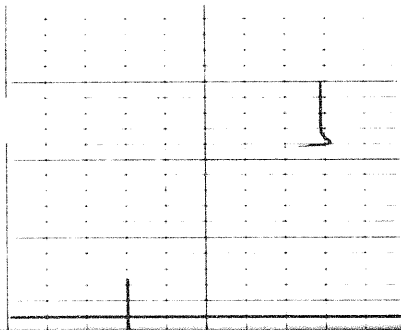
1900

FR

2000

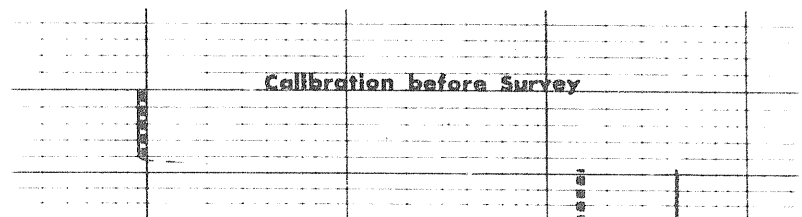
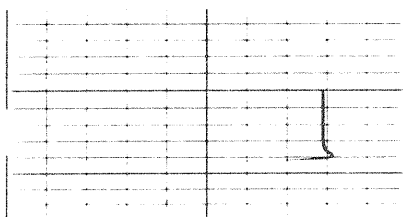


REPEAT SECTION



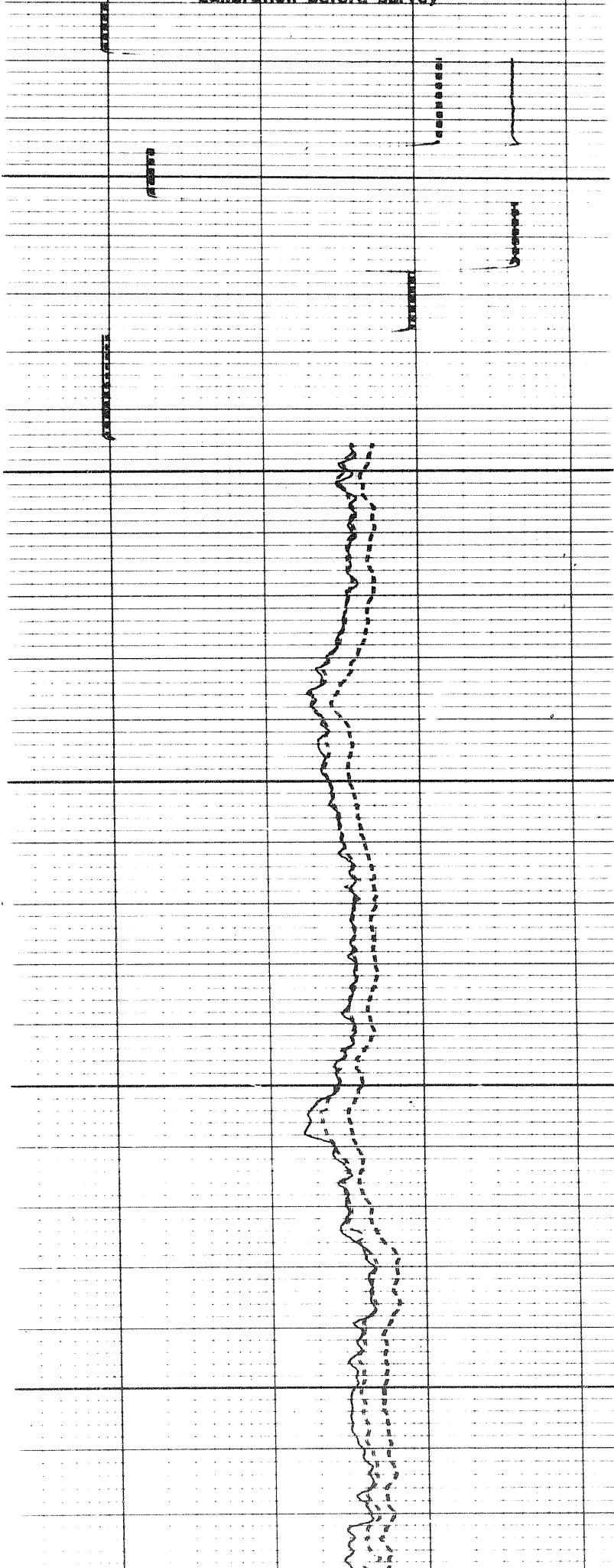
Calibration before Survey

REPEAT SECTION



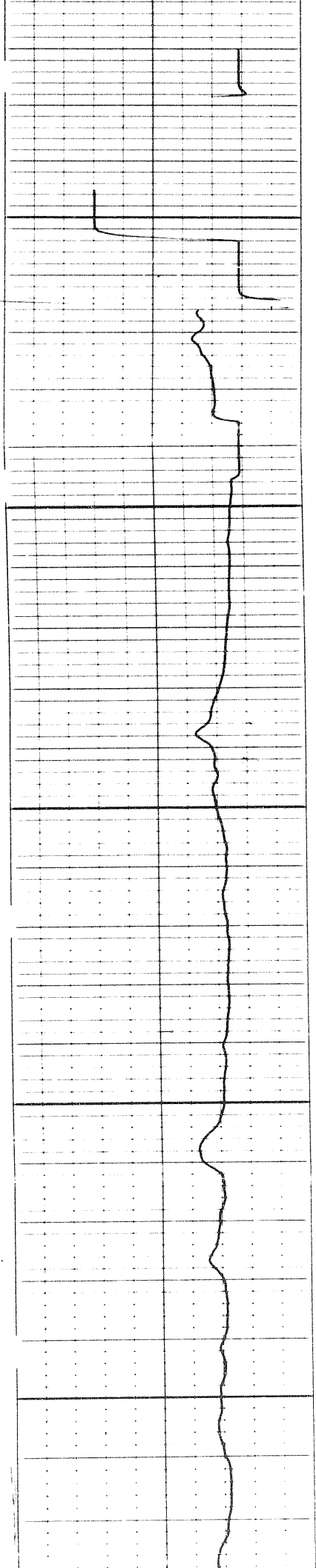
Calibration before Survey

Calibration before Survey



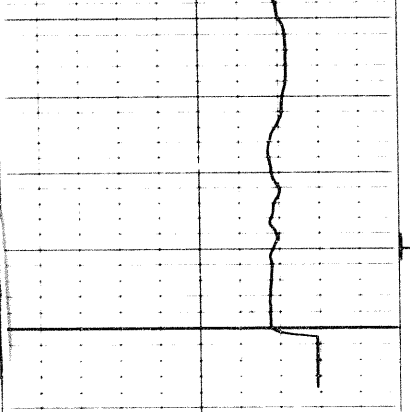
1800

1900

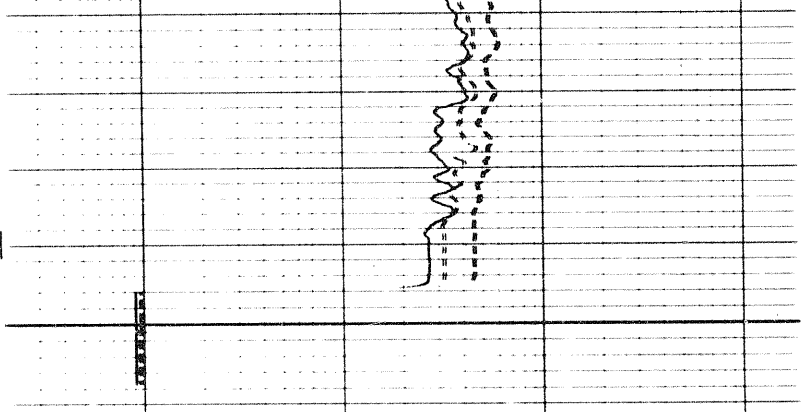


1

12 of



FR
2000



Speed in FPM

15

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

Speed in FPM

15

1 10 100 1000
LATEROLOG-8

1 10 100 1000
MEDIUM INDUCTION LOG

1 10 100 1000
DEEP INDUCTION LOG

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

1800

Calibration after Survey



Speed in FPM

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

Speed in FPM

15

MEDIUM INDUCTION LOG

1 10 100 1000

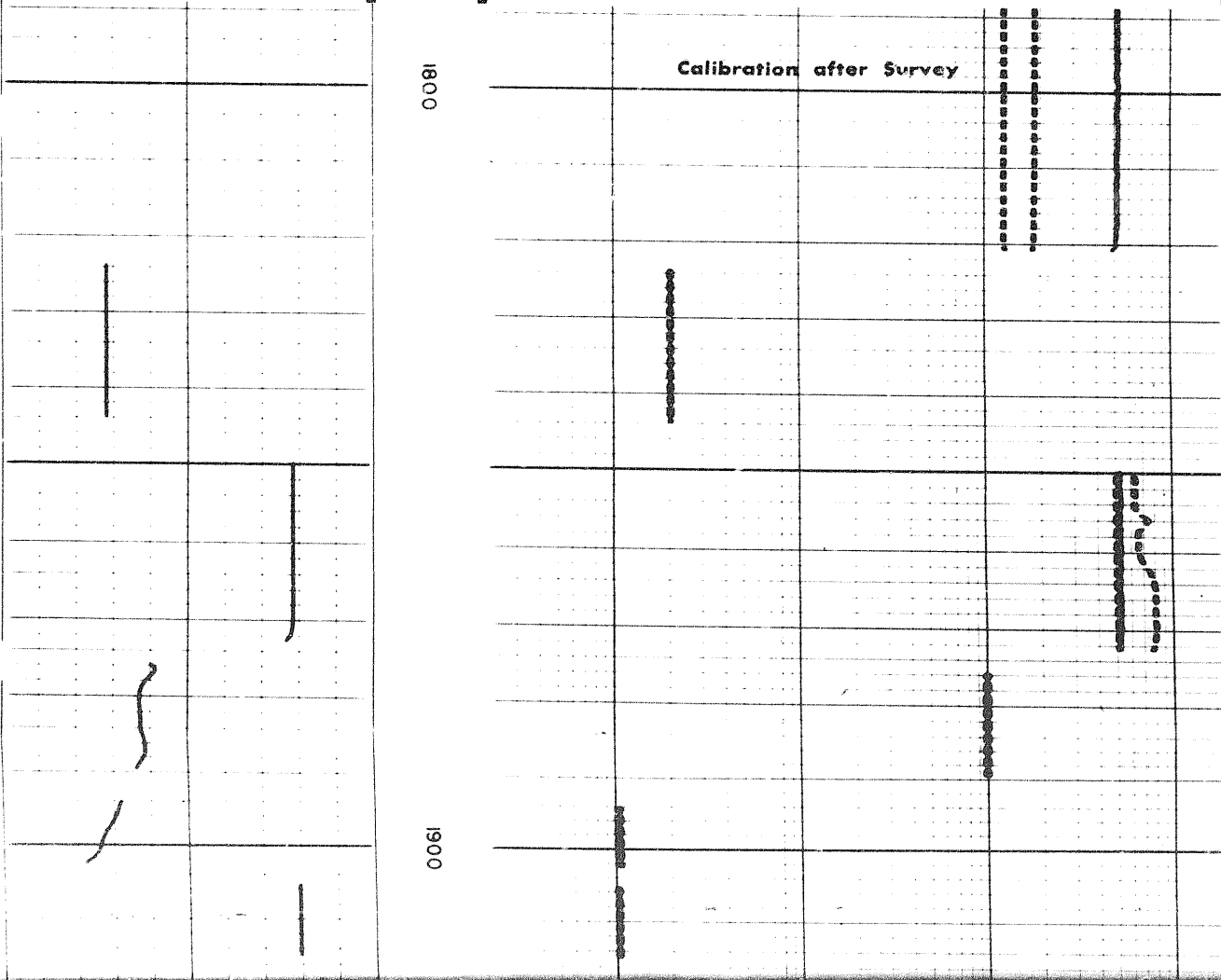
DEEP INDUCTION LOG

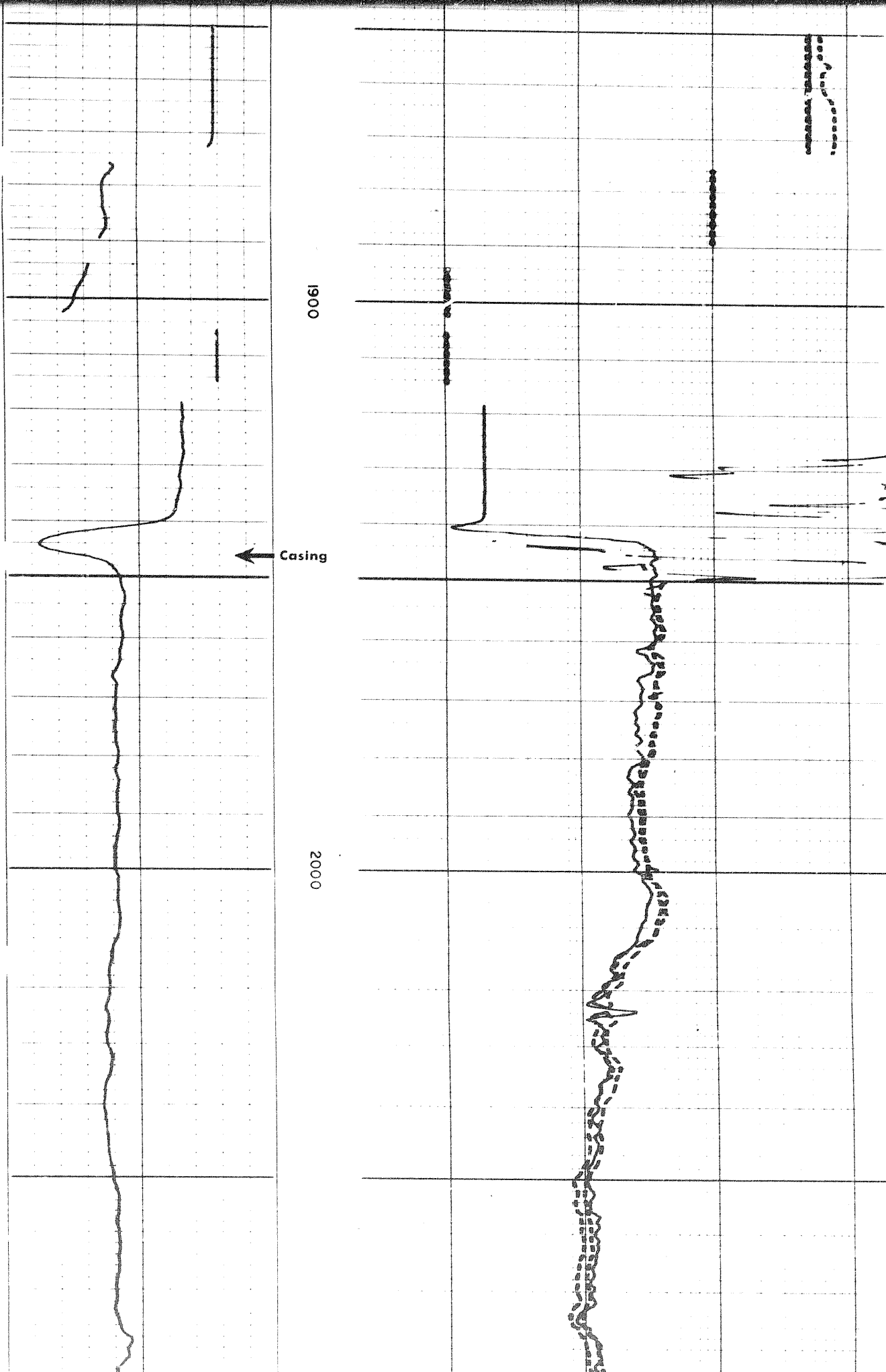
1 10 100 1000

Calibration after Survey

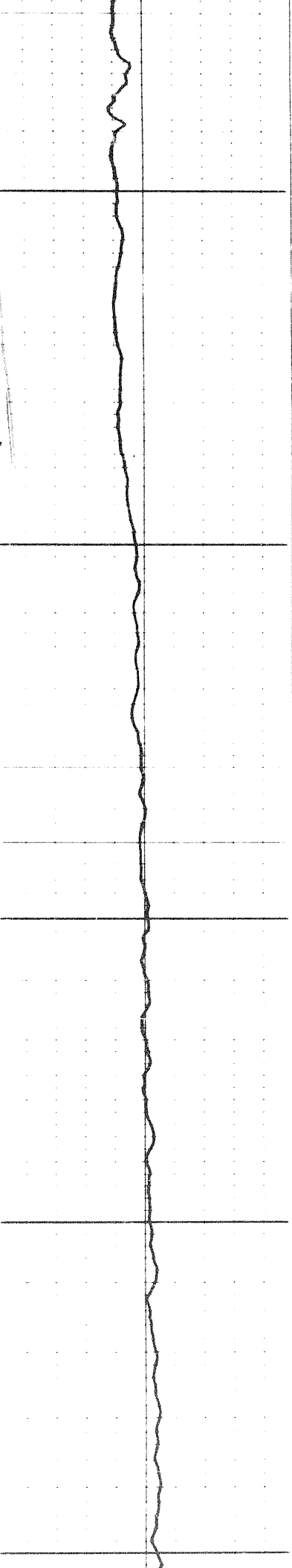
1800

1900





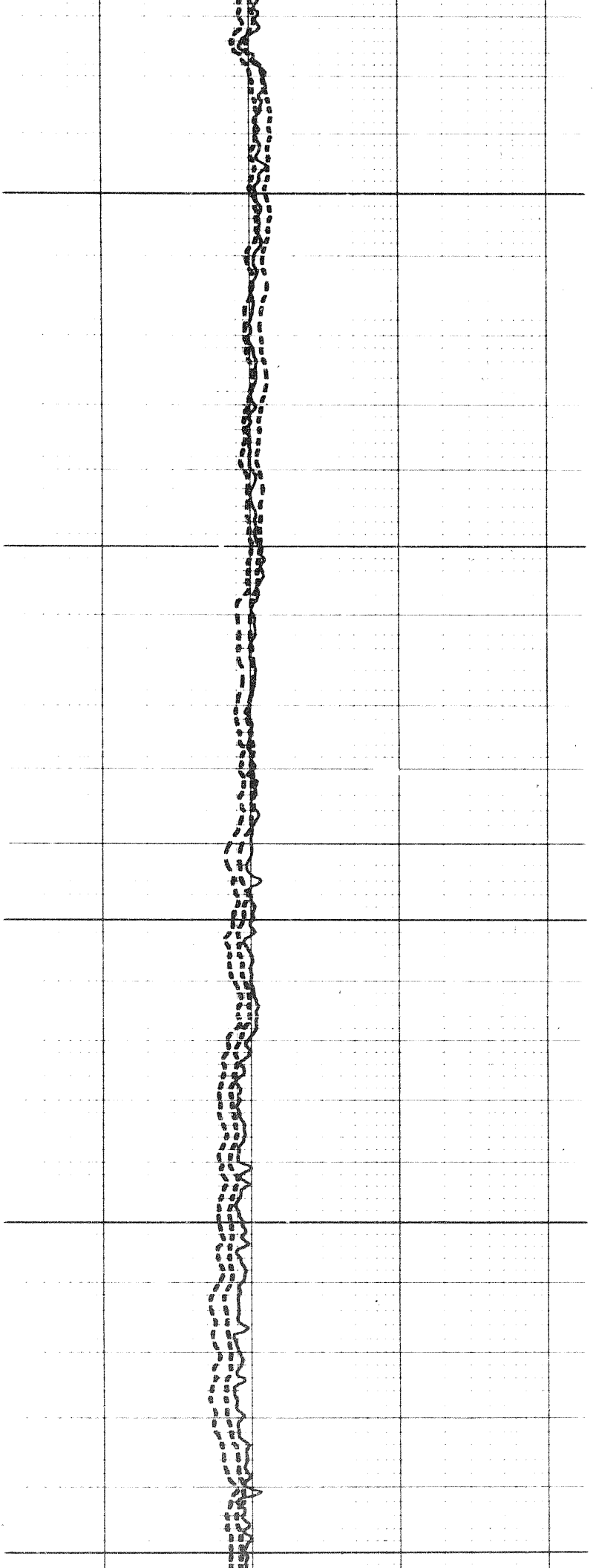
1307

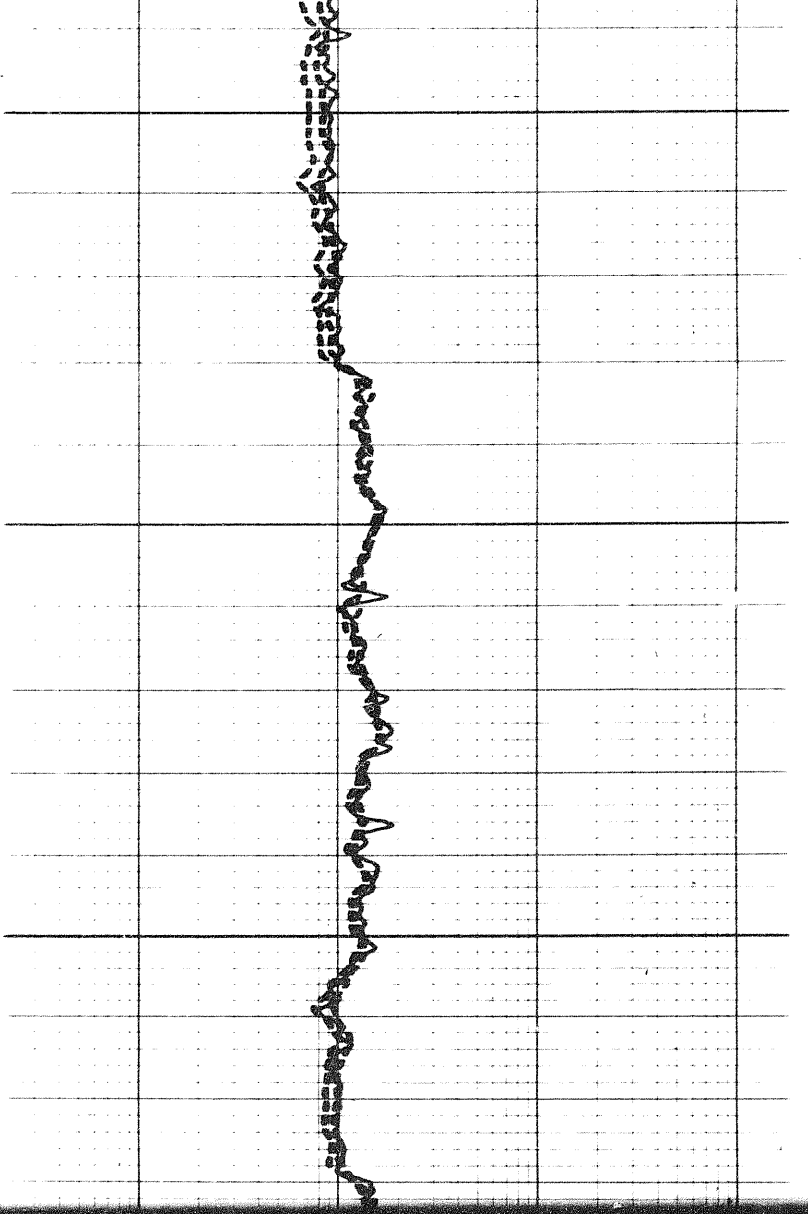


2100

2200

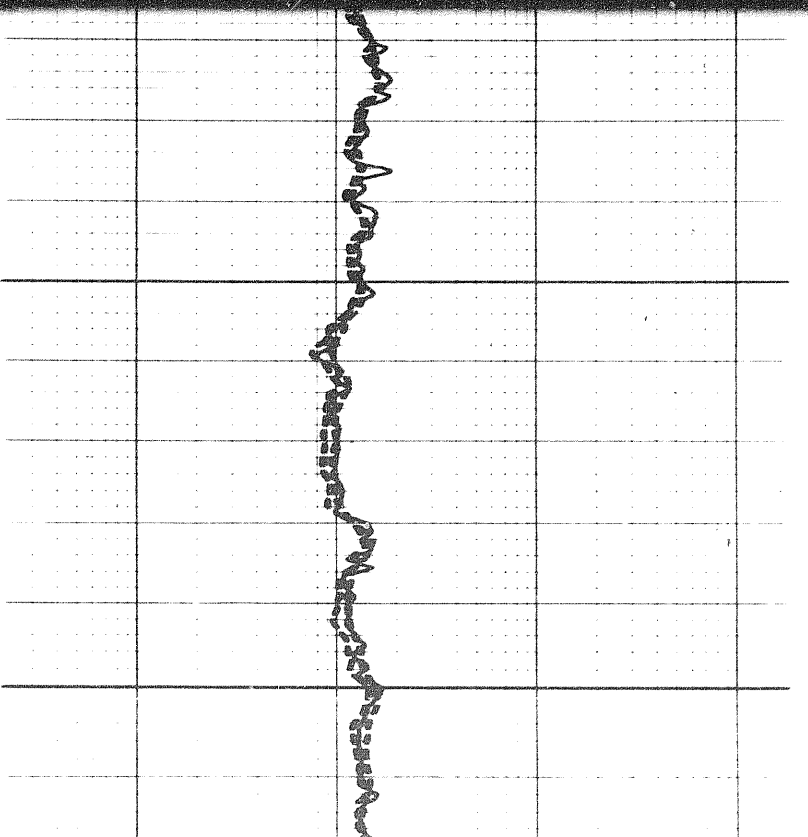
2300



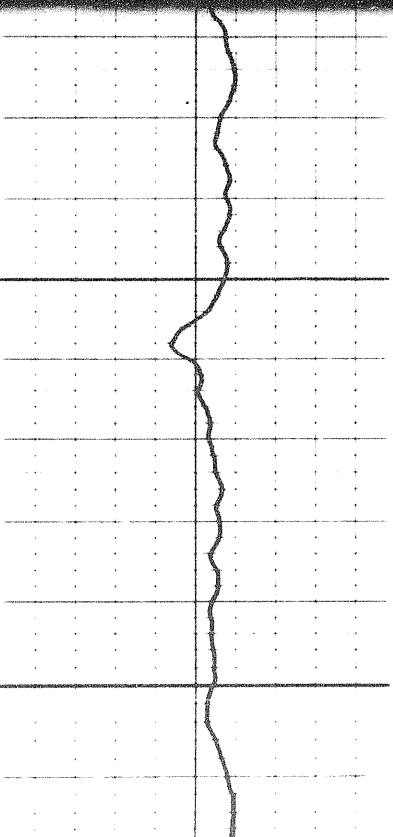
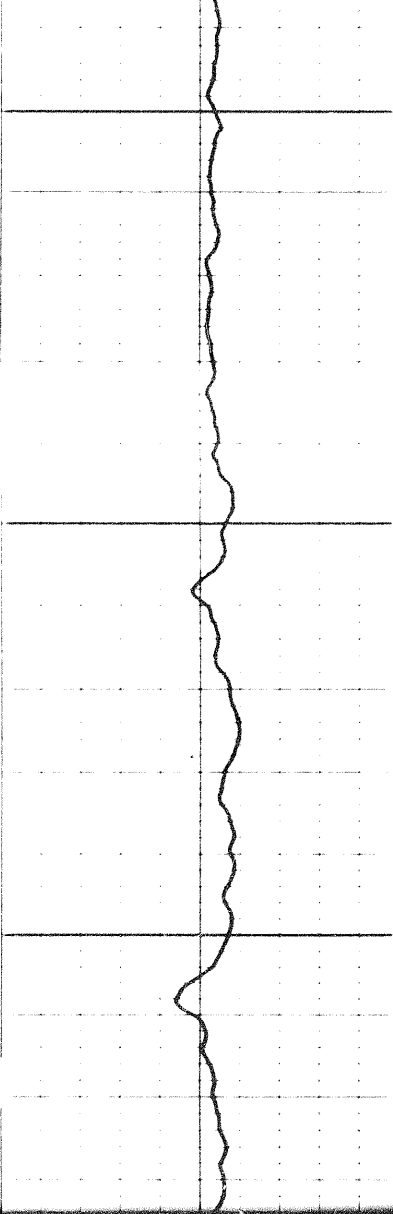


2300

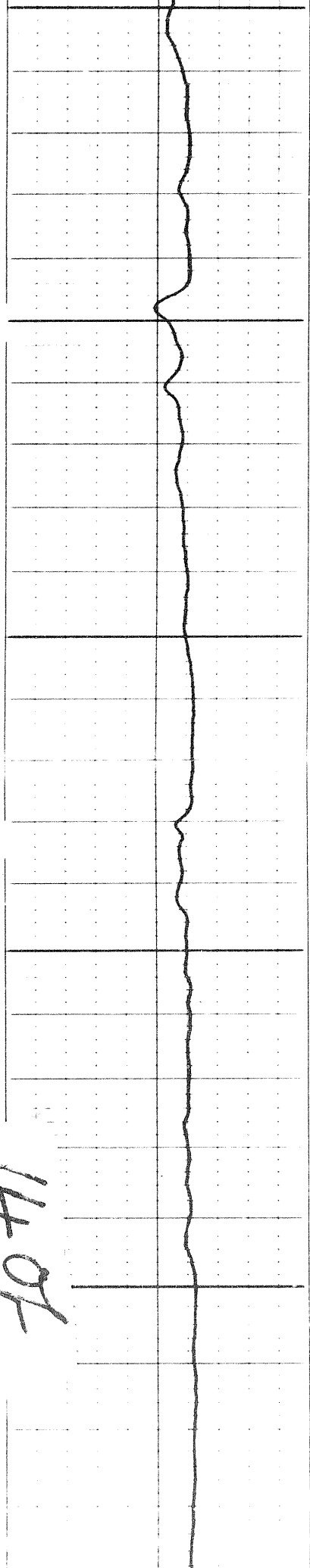
2400



2400

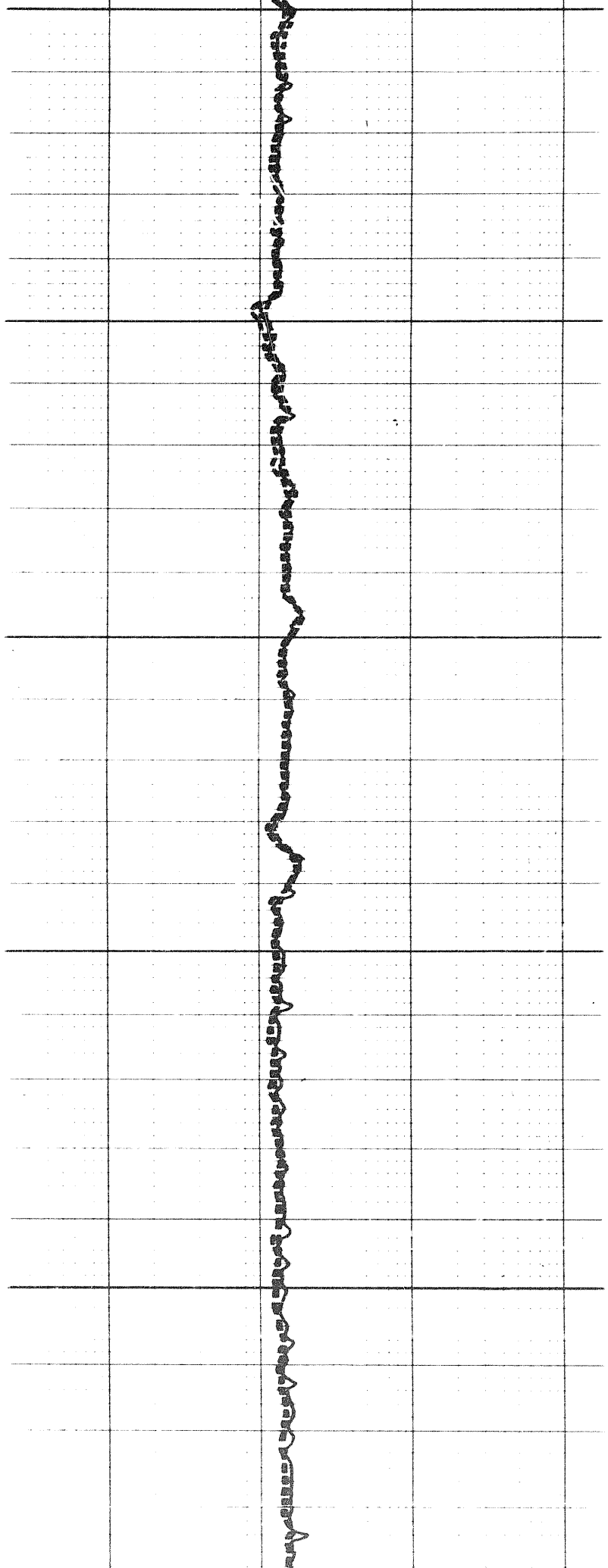


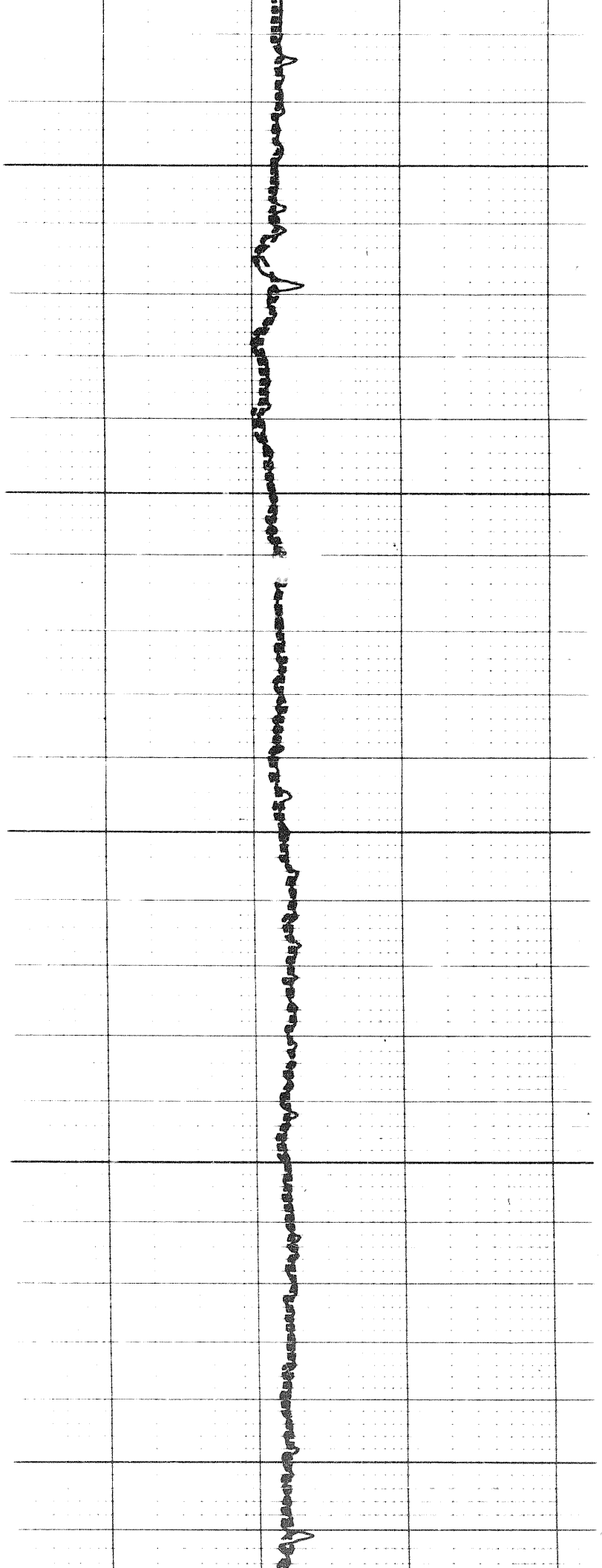
14 of



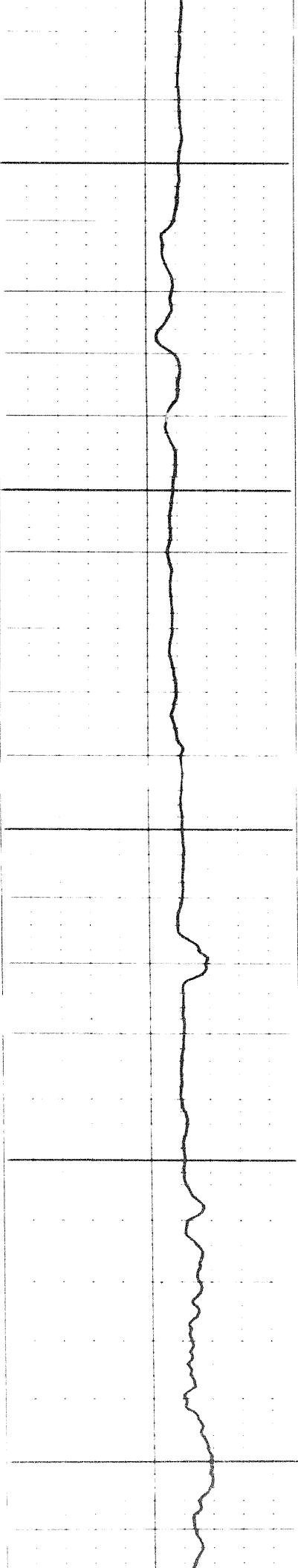
2500

2600



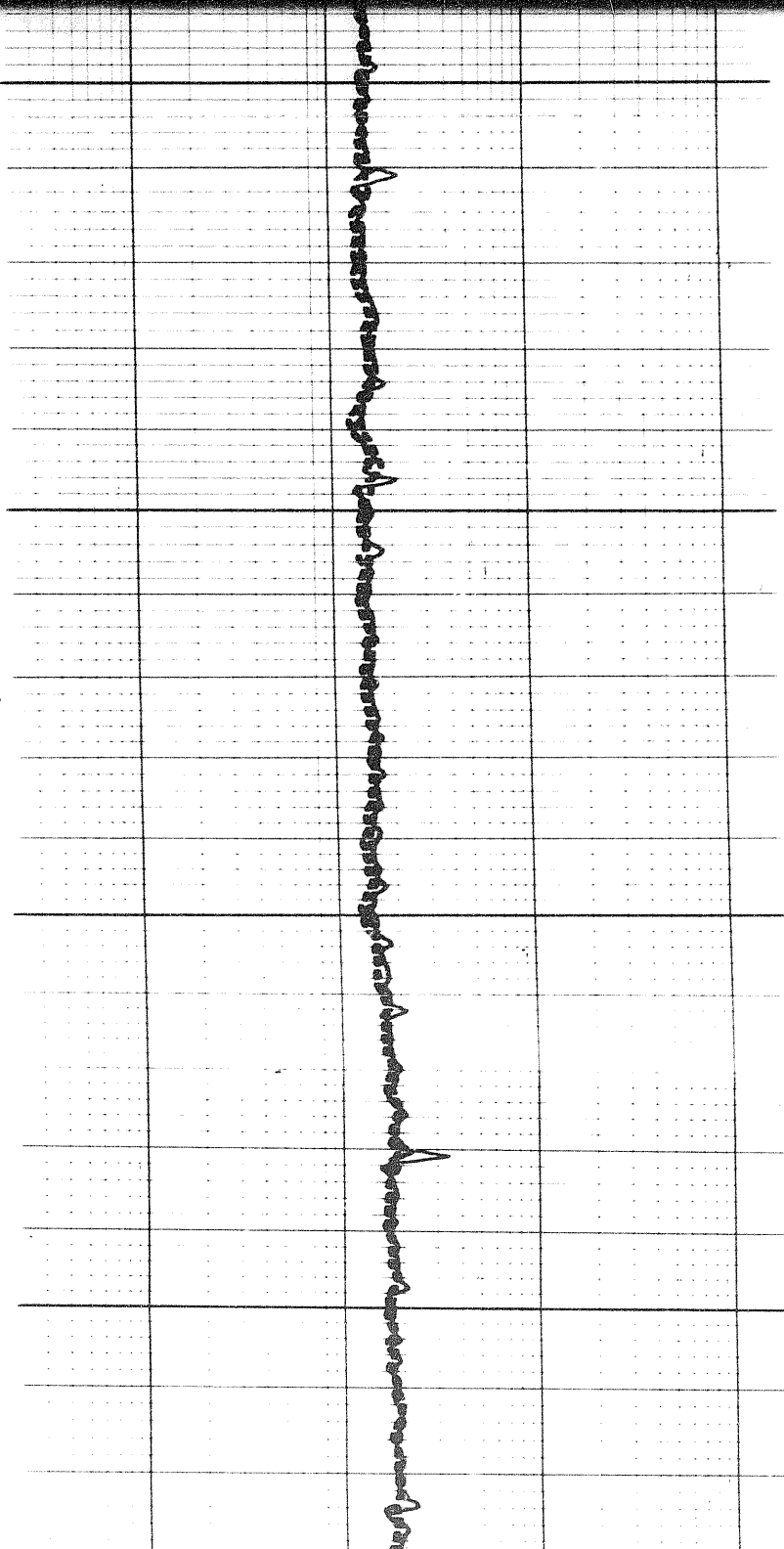
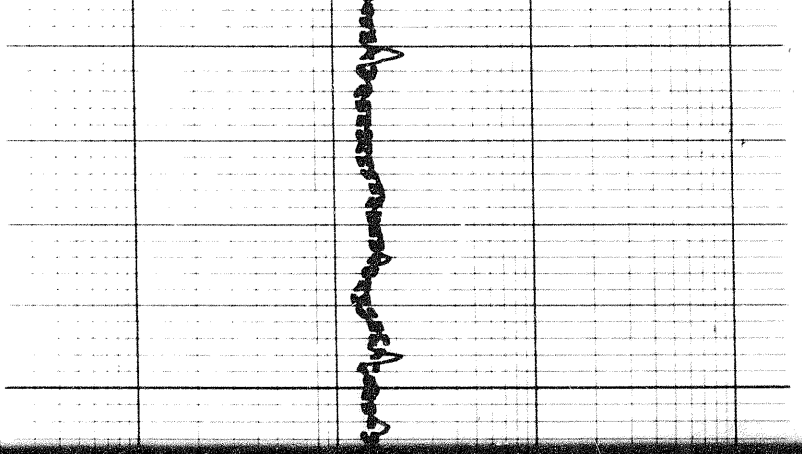


2700



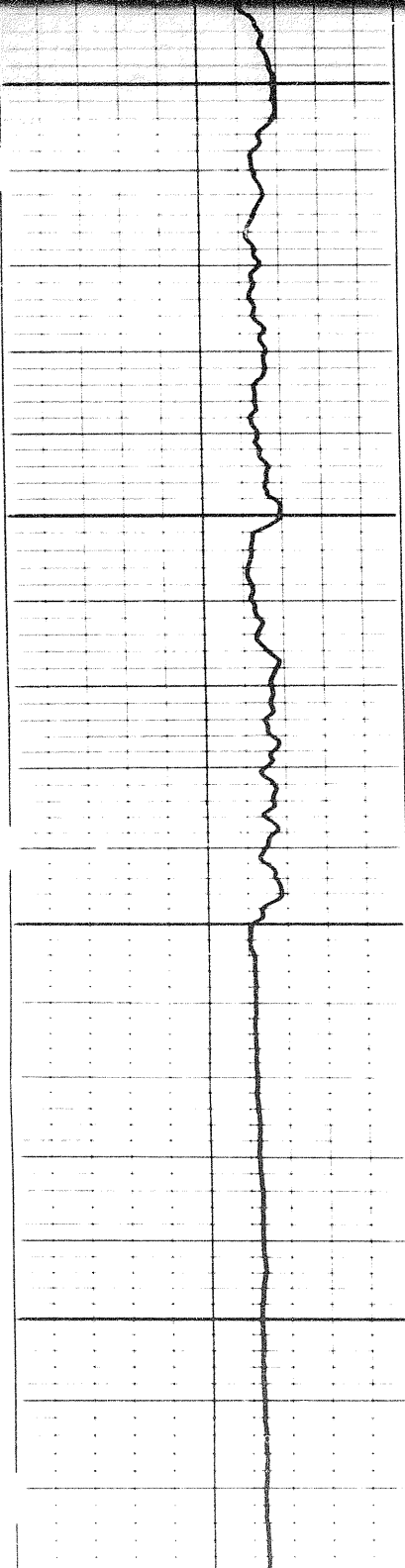
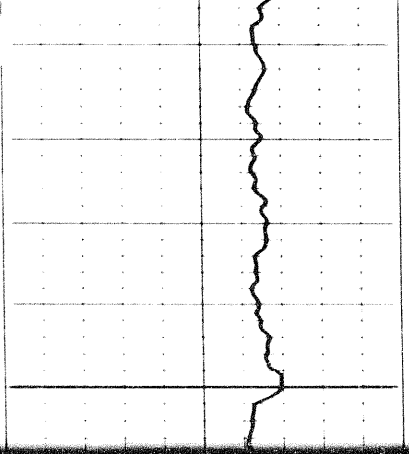
2800

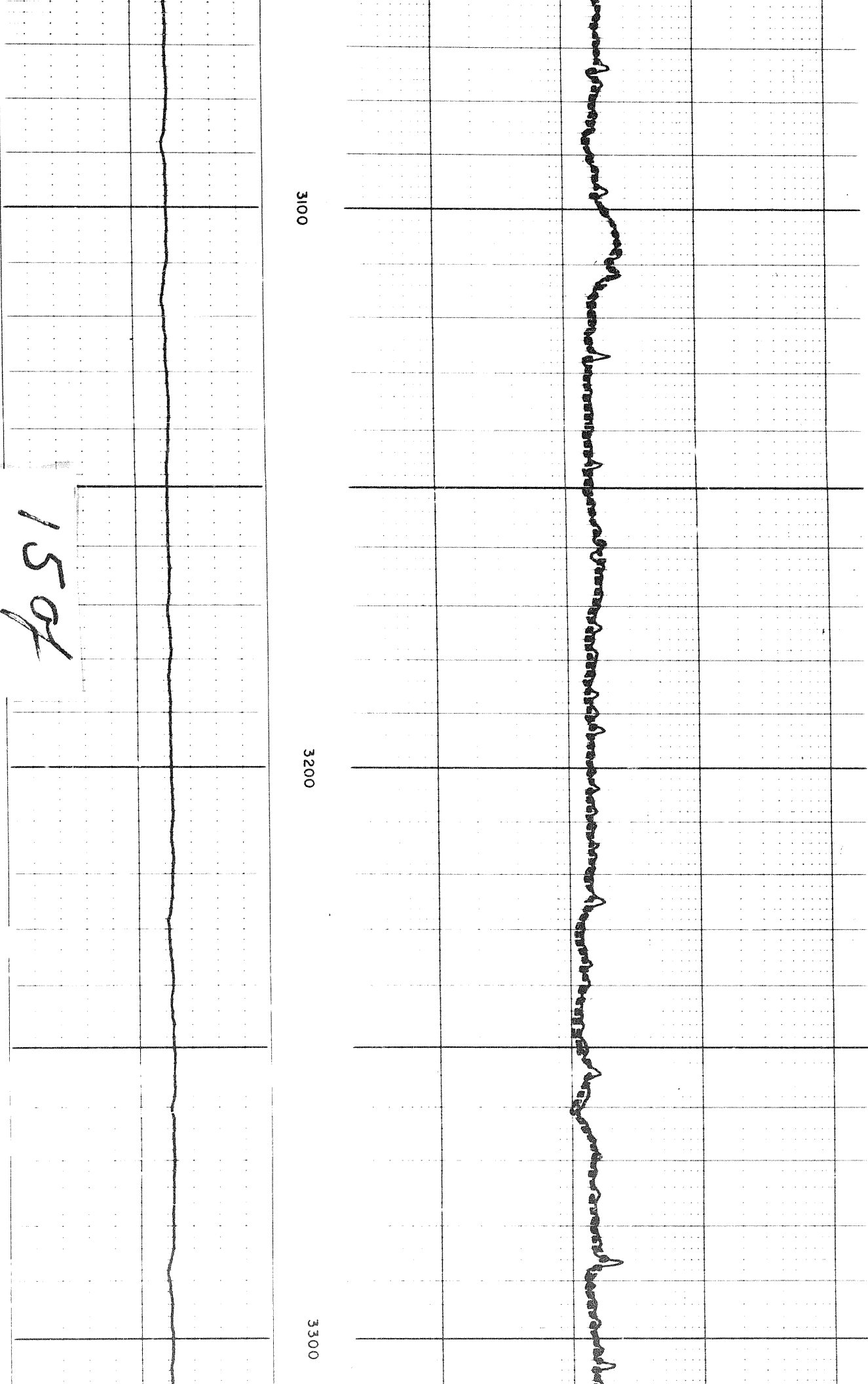
2900



2900

3000



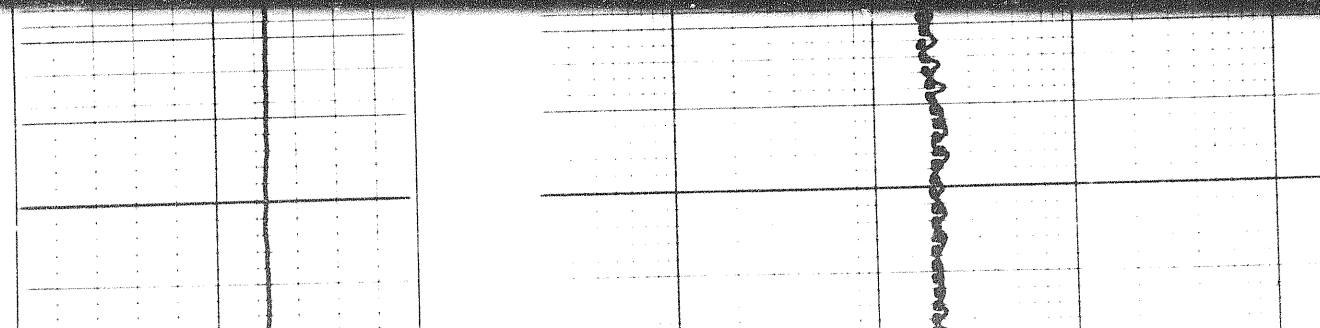
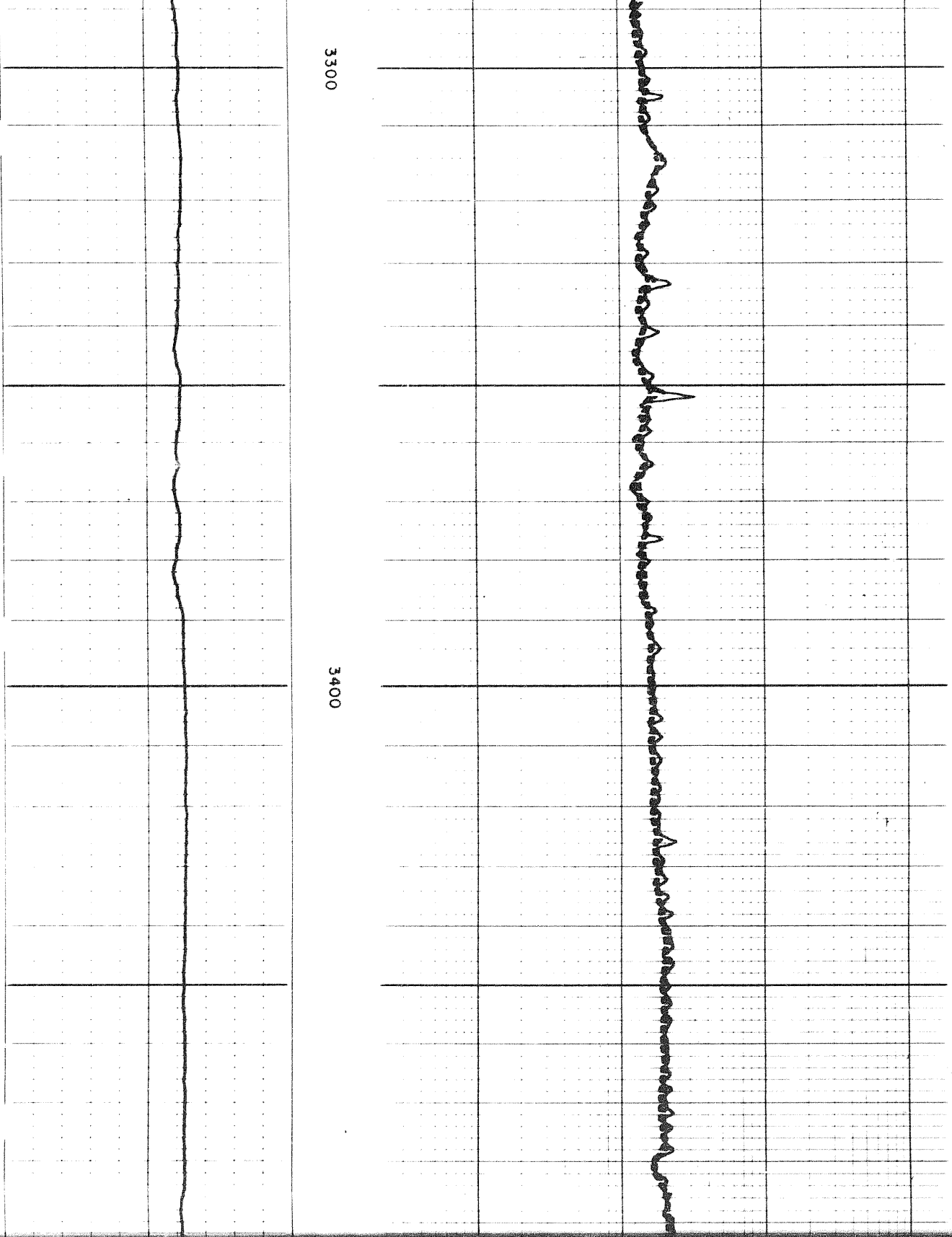


3100

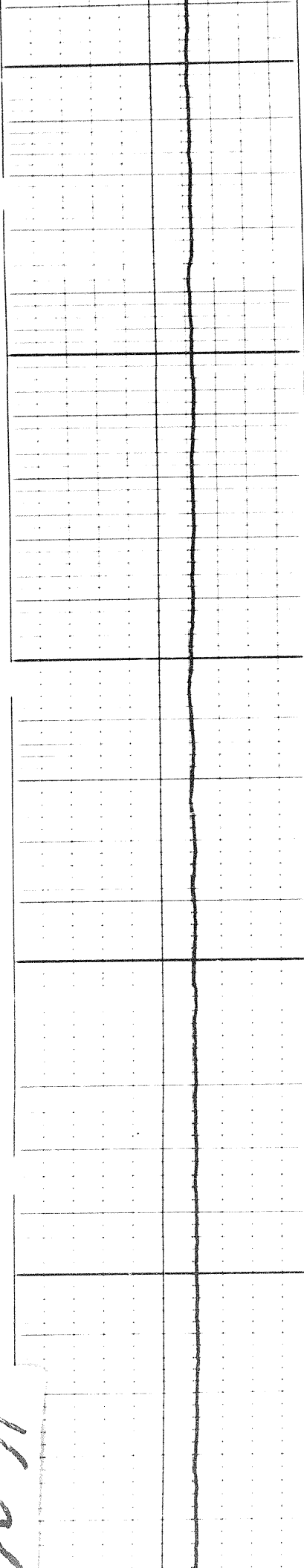
3200

3300

150 bpm



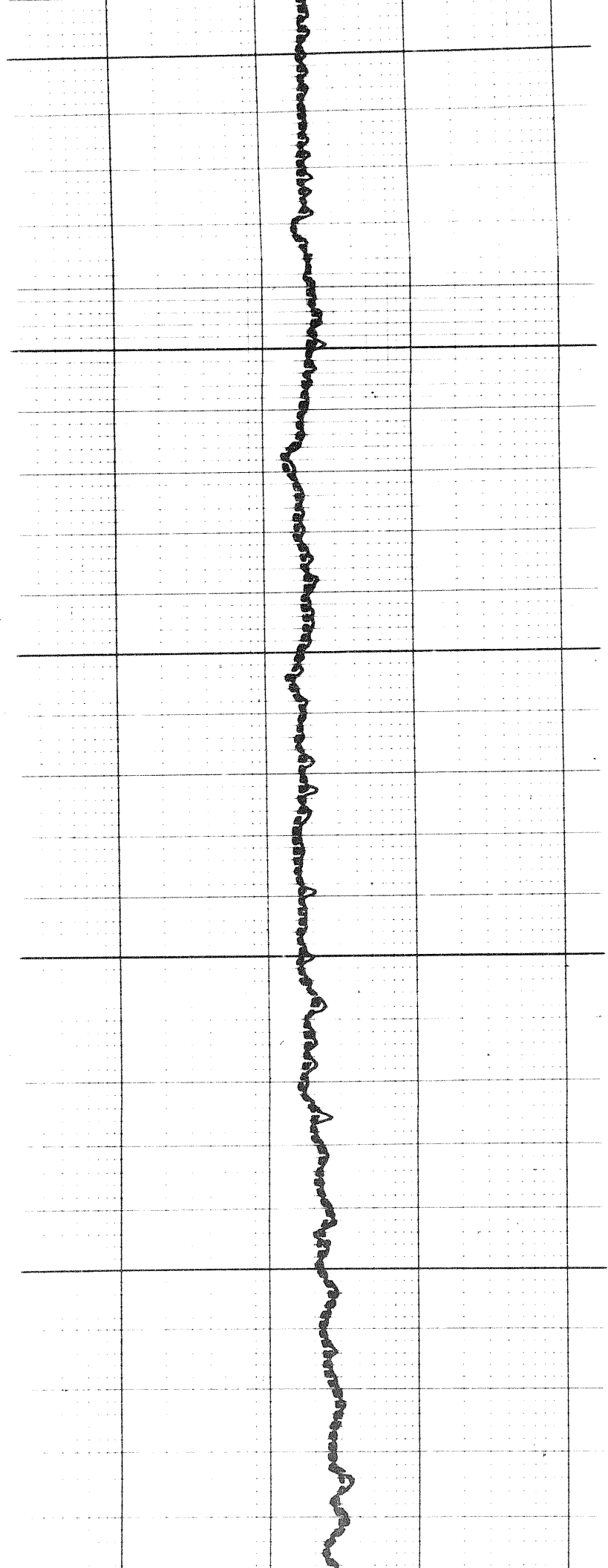
16 of



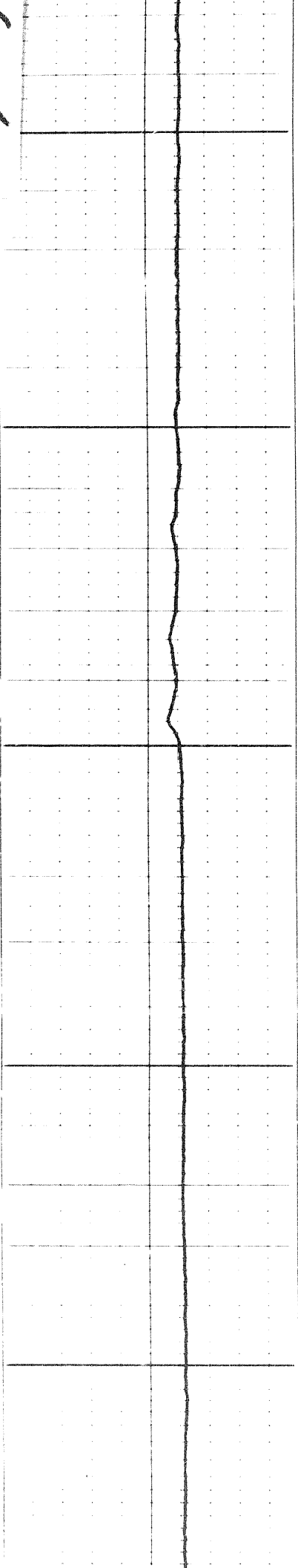
3500

3600

3



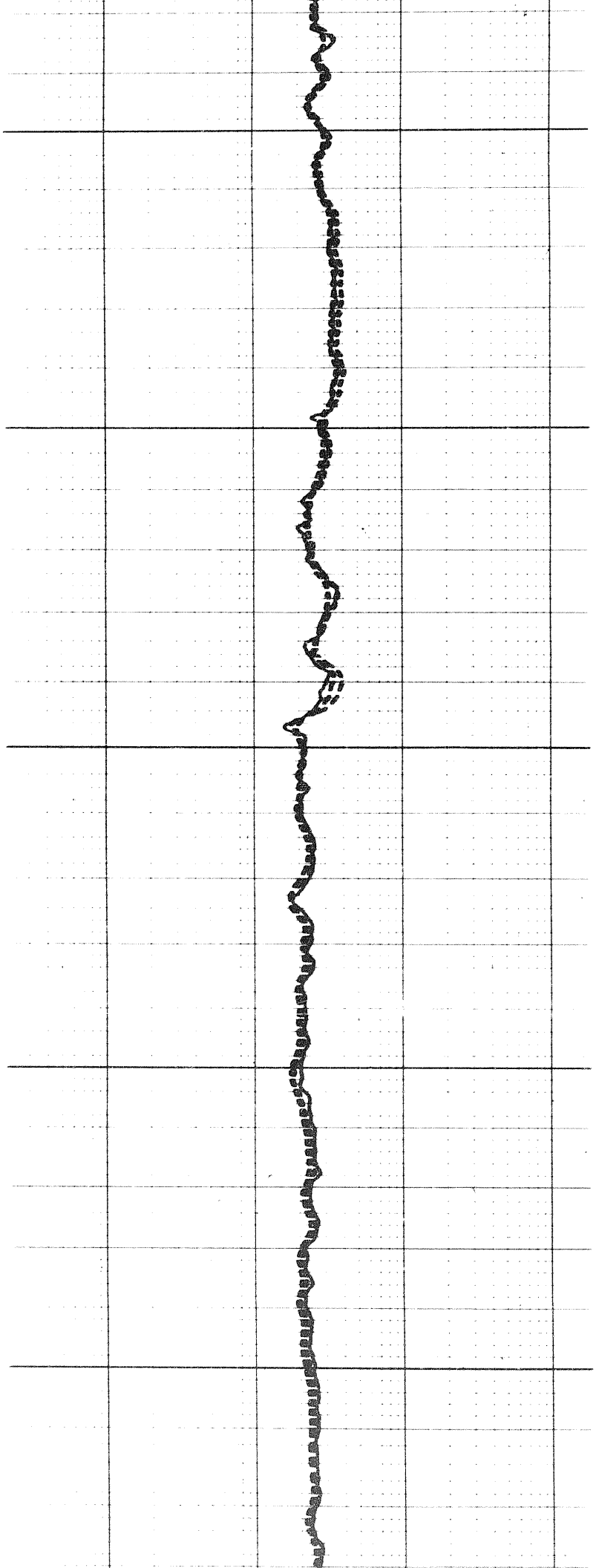
6 of

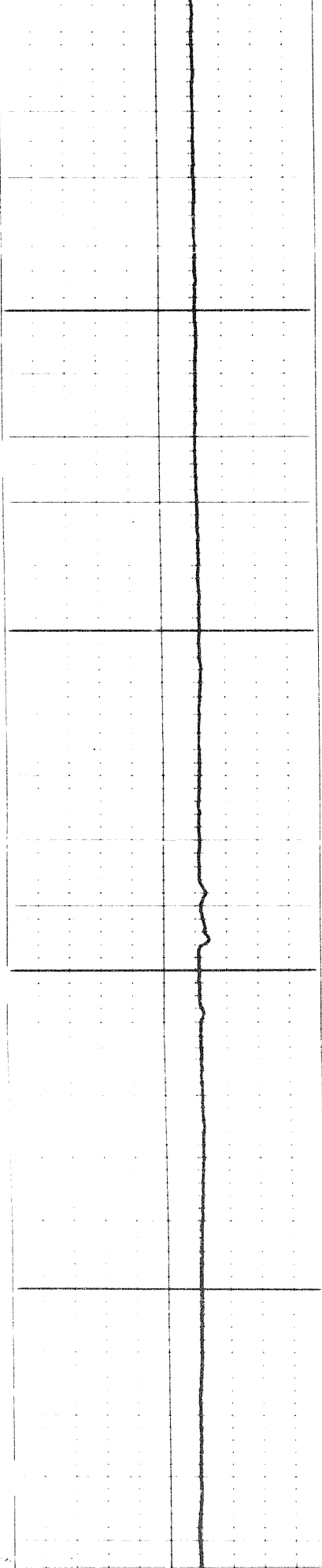


3700

3800

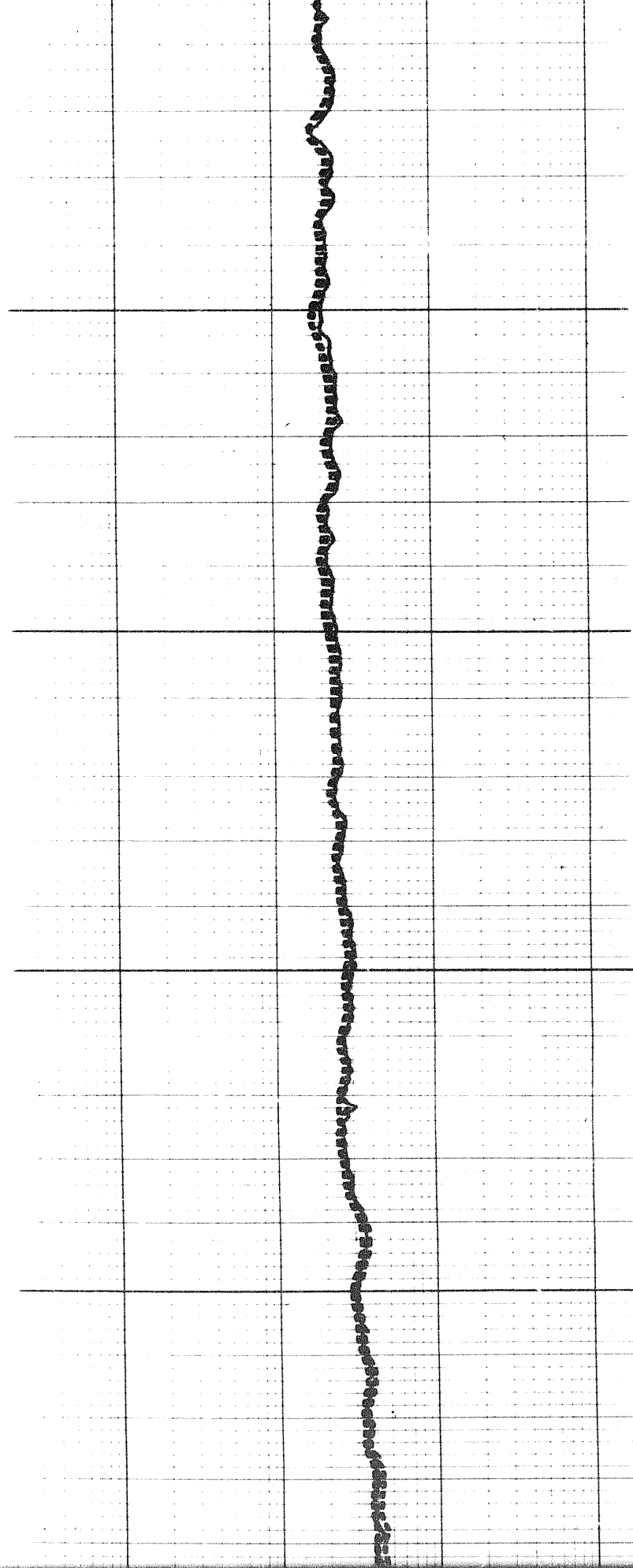
3900

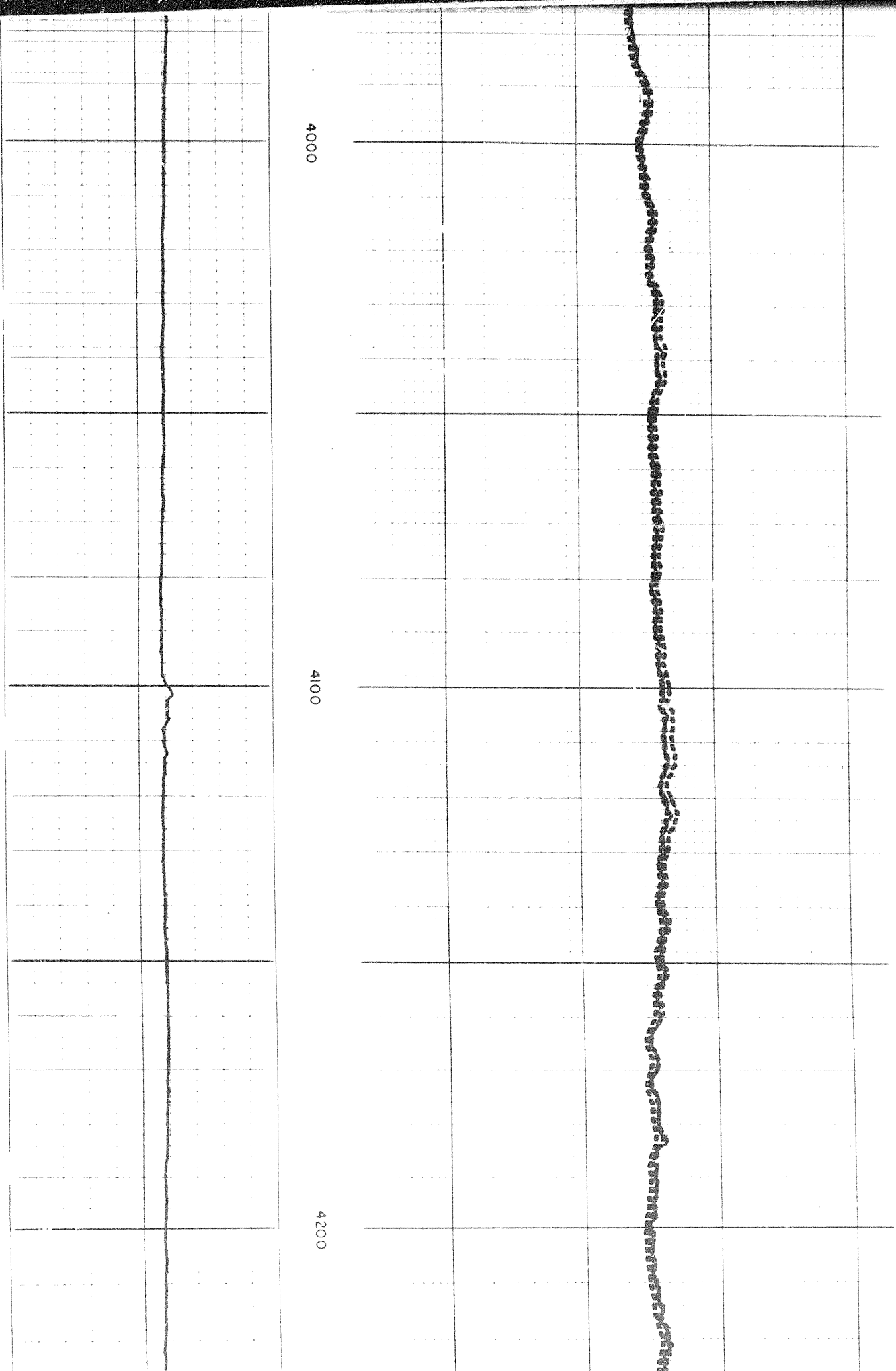




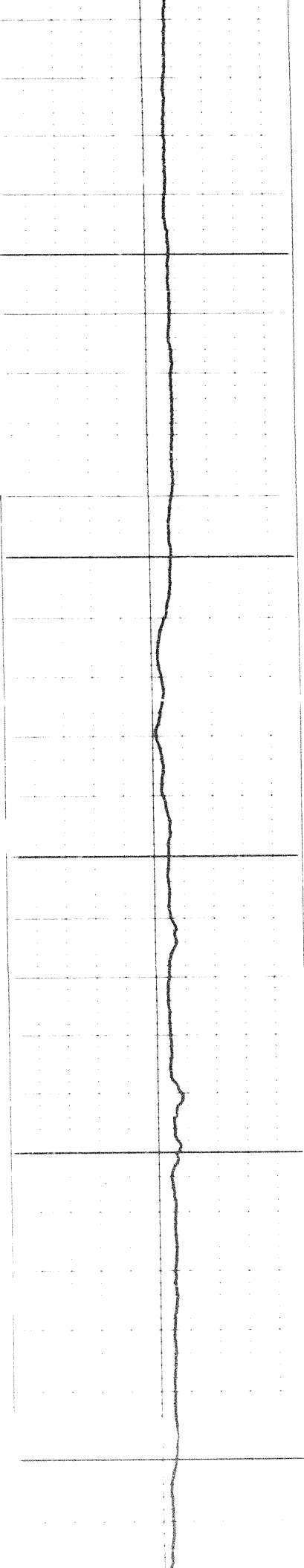
3900

4000



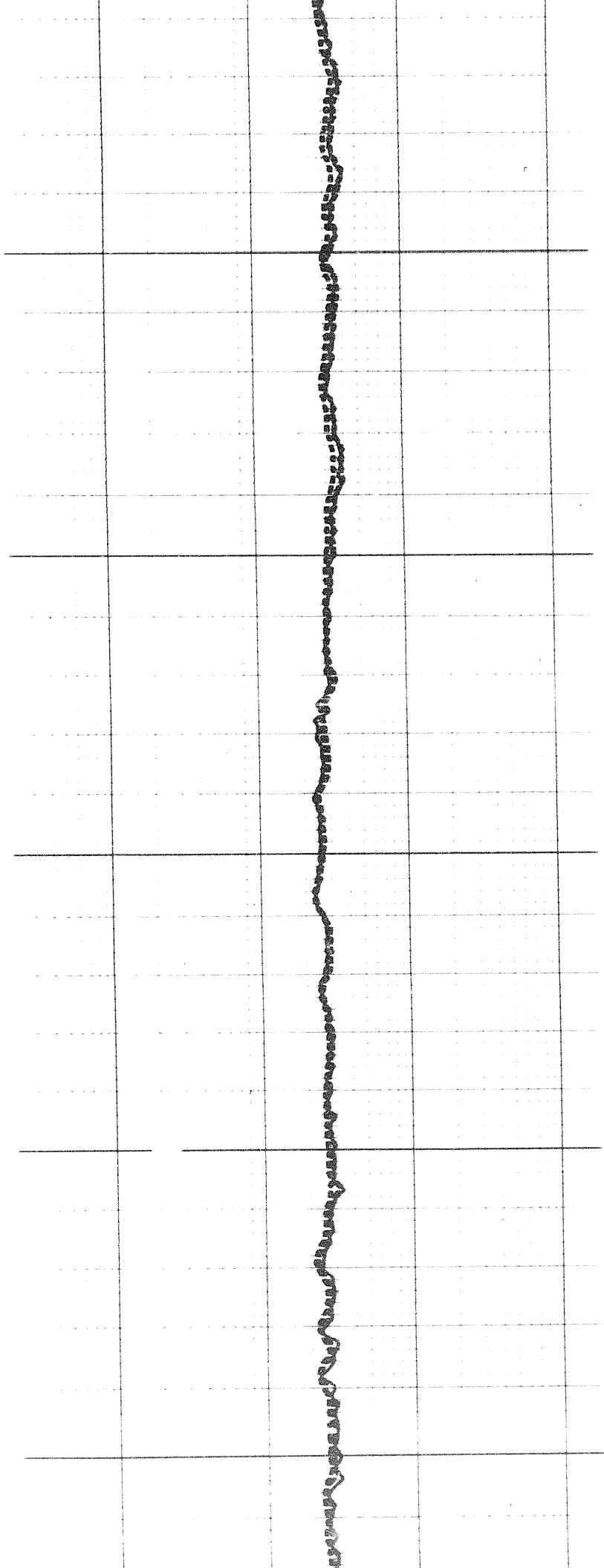


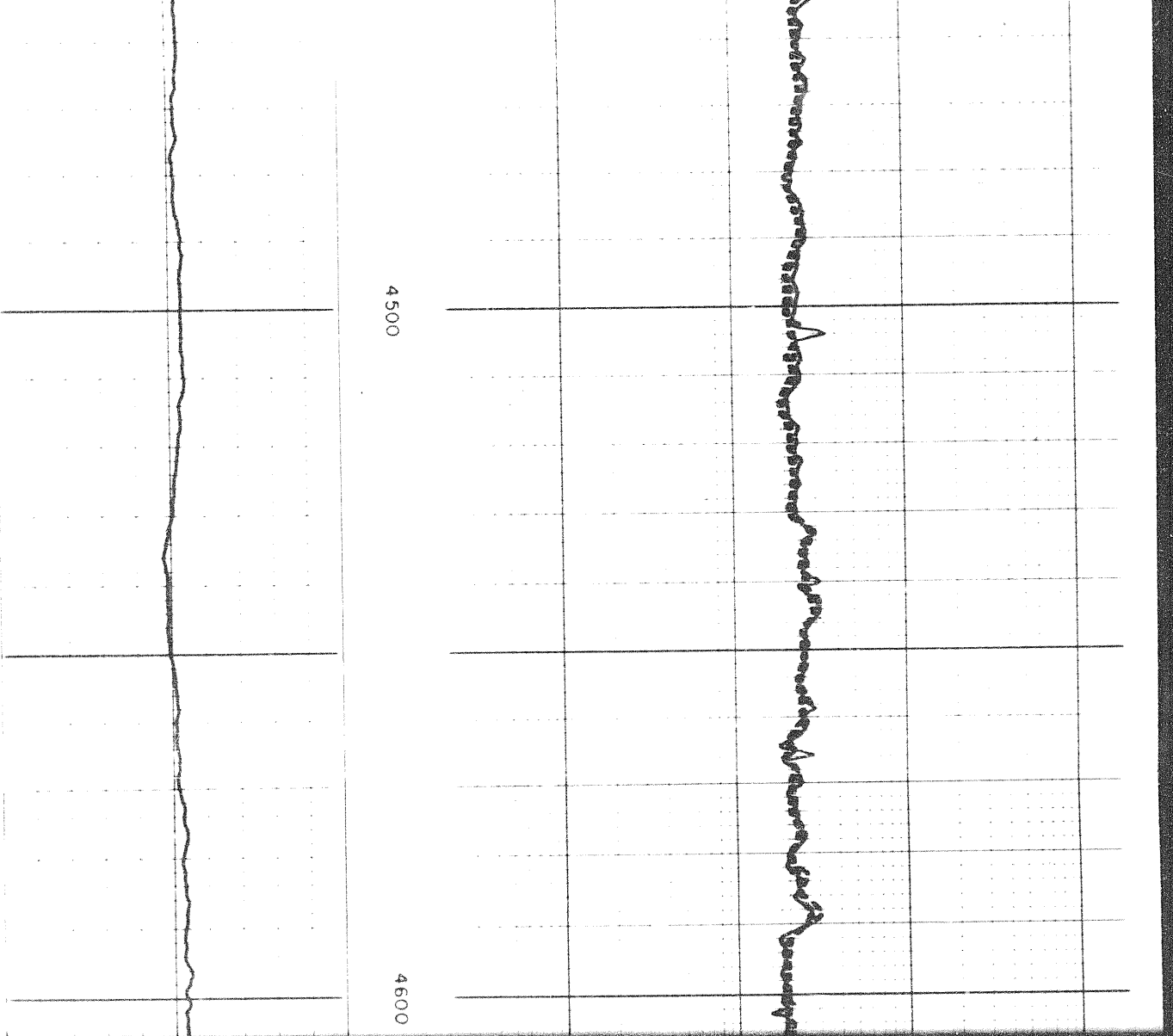
17-2



4300

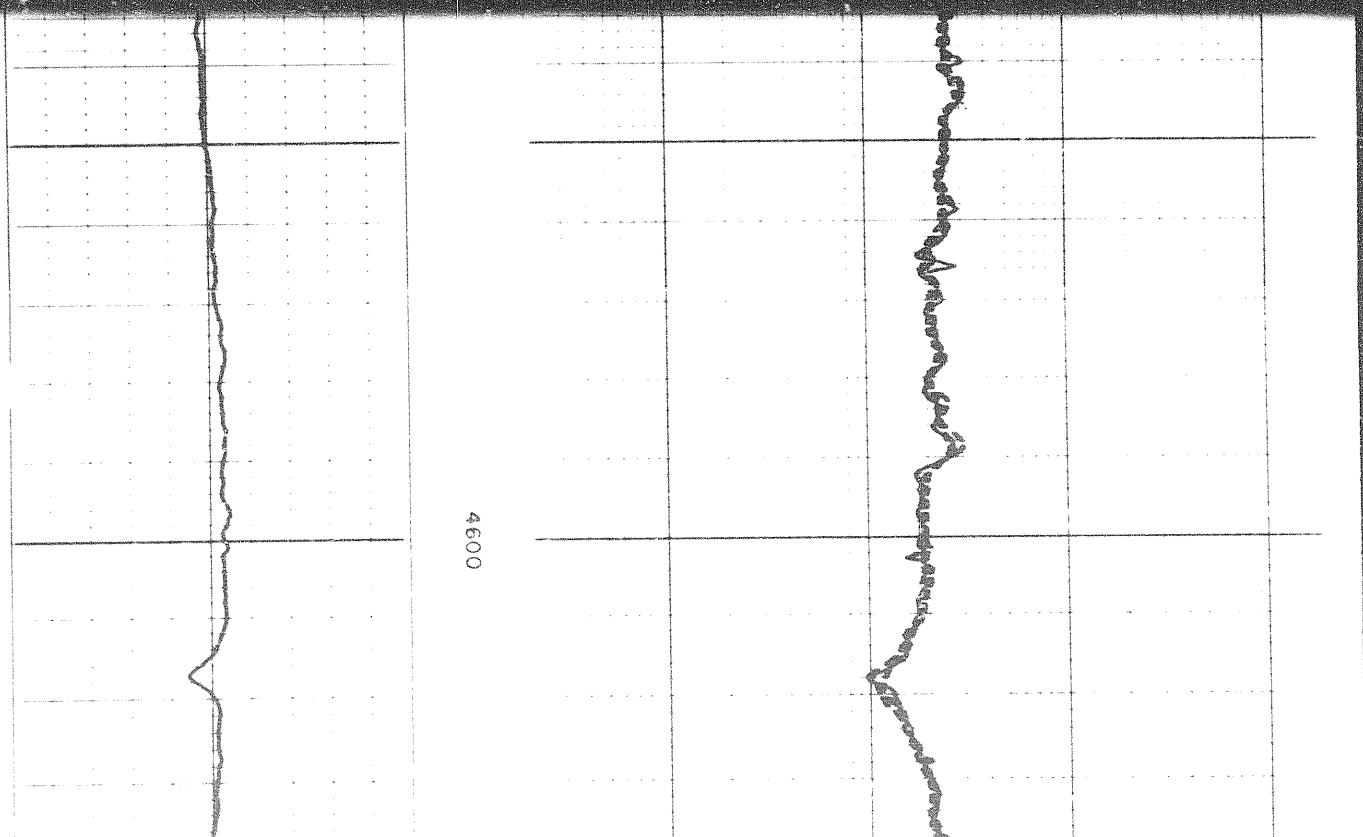
4400





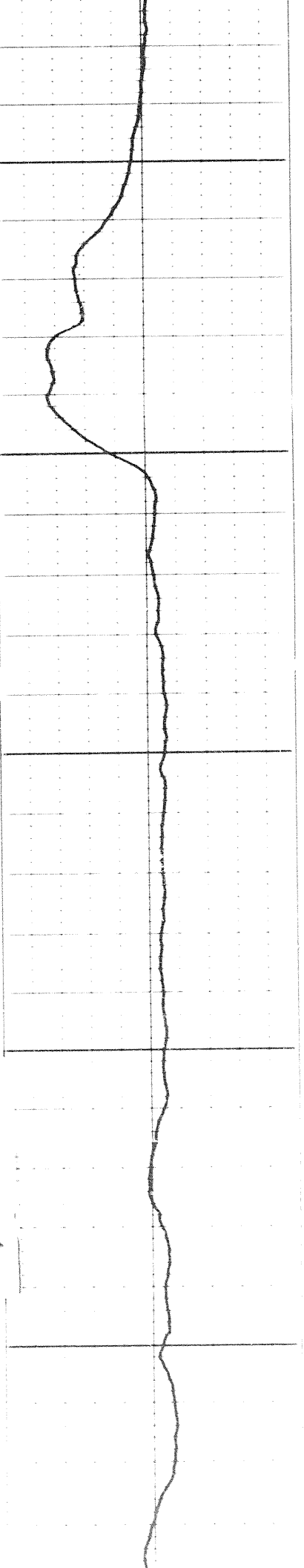
4500

4500



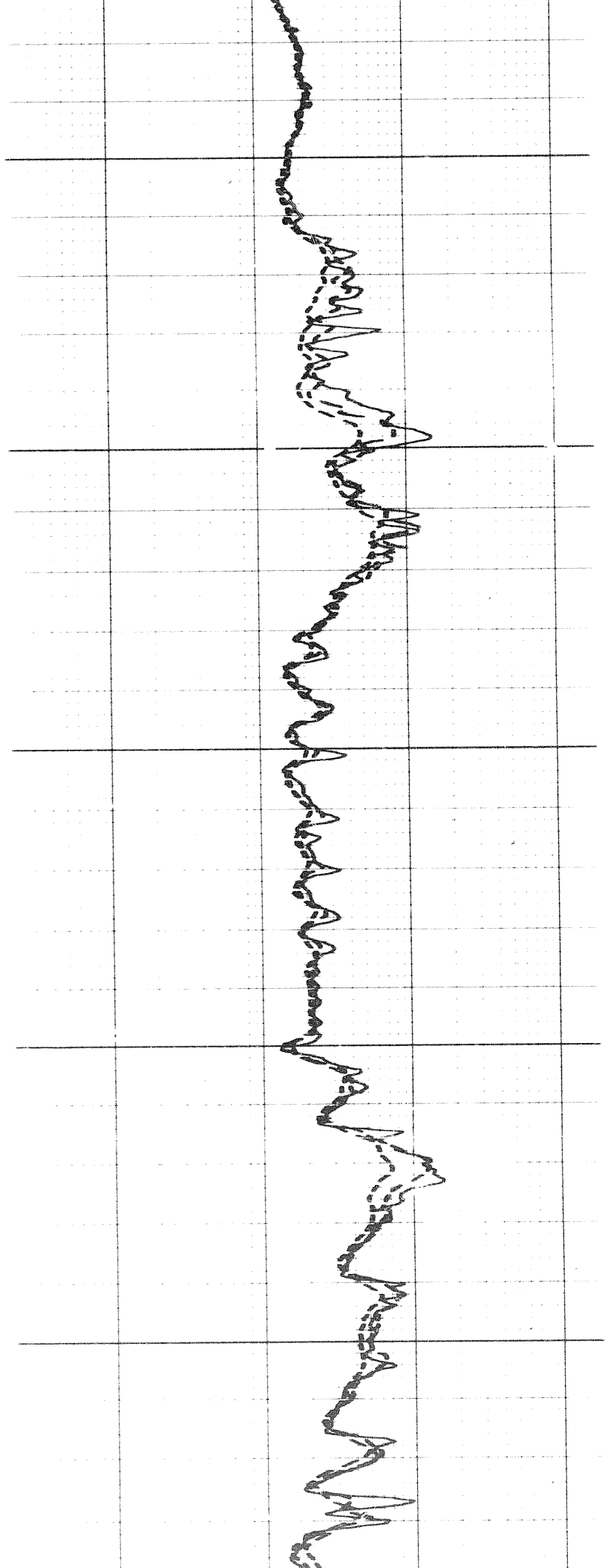
4600

1804

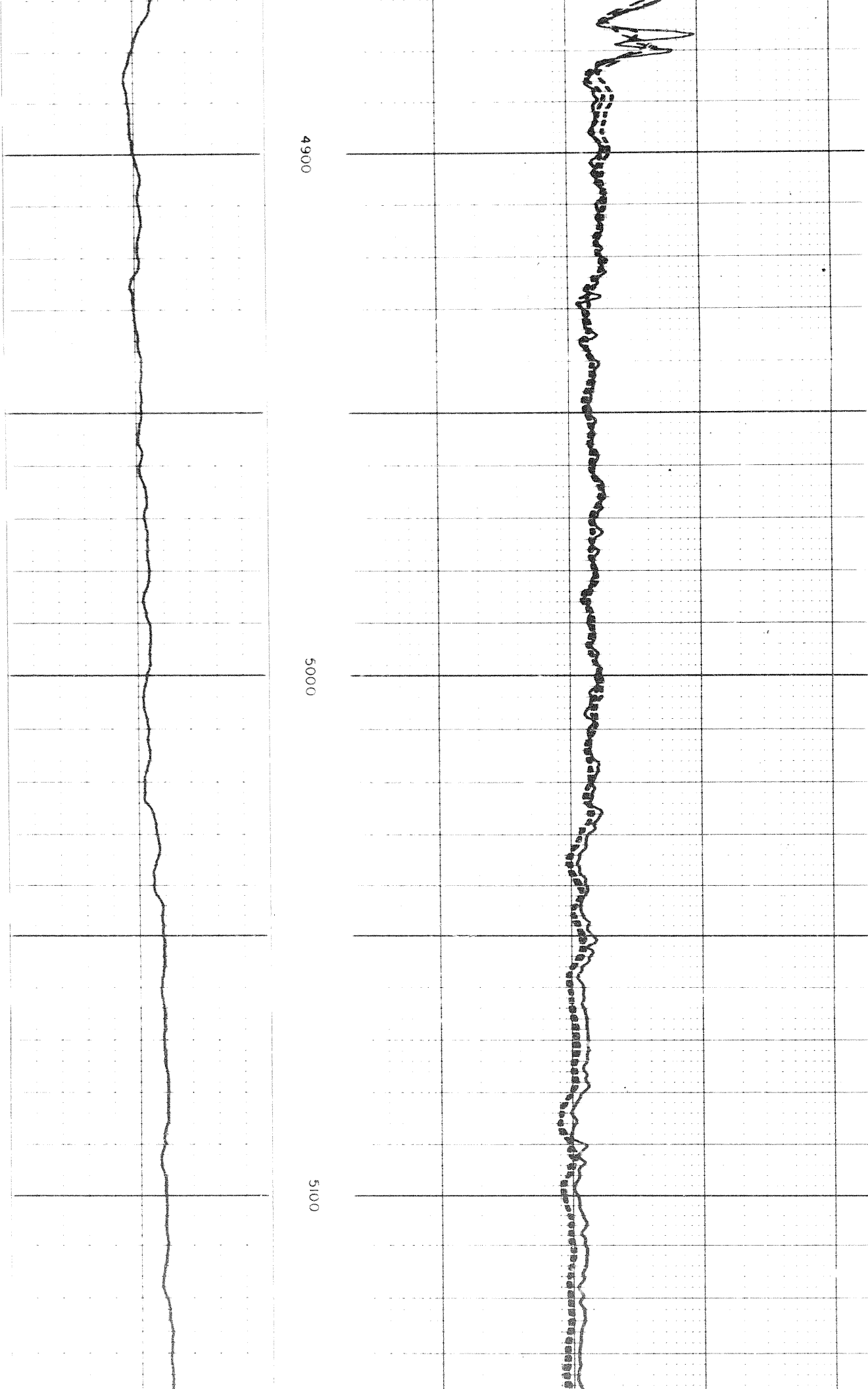


4700

4800



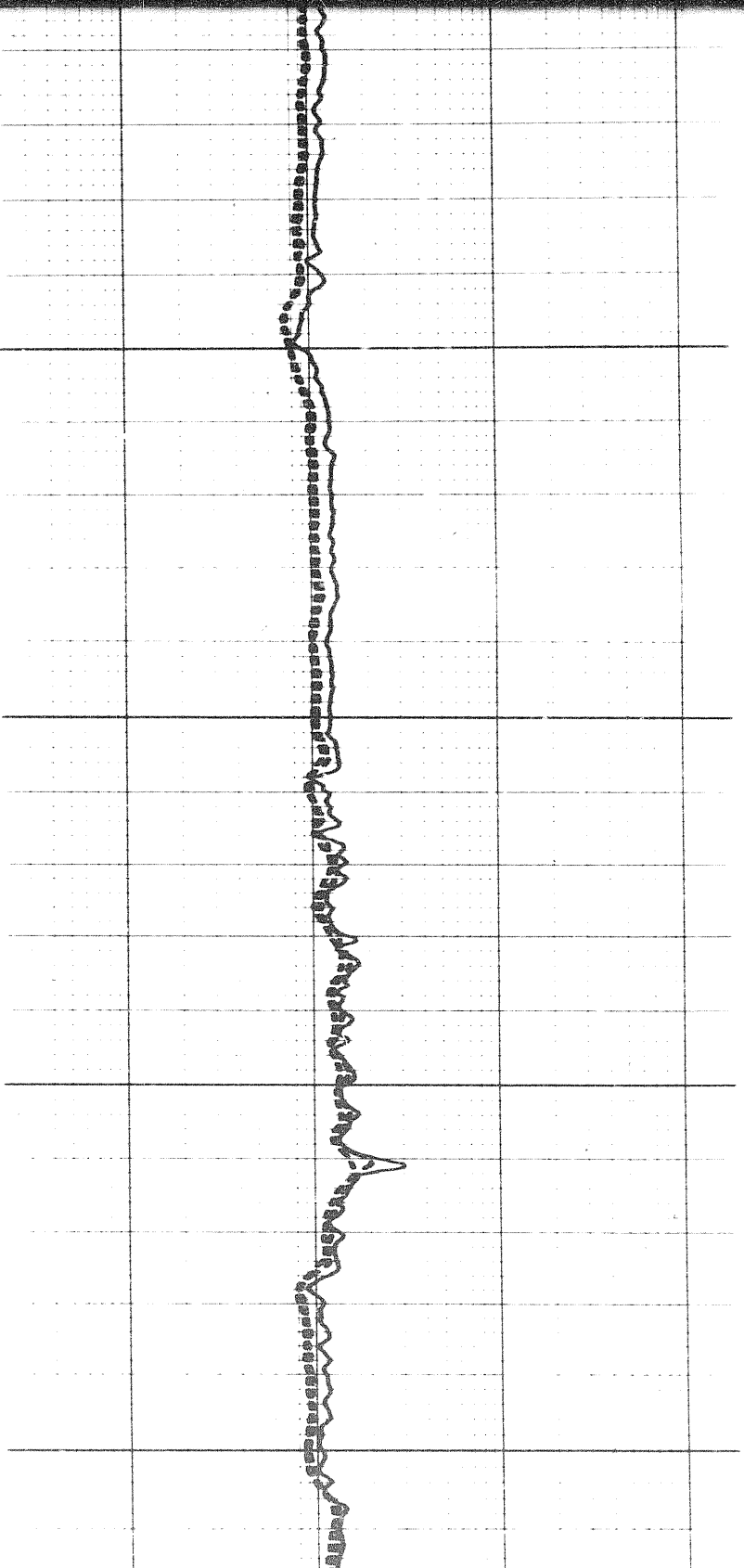
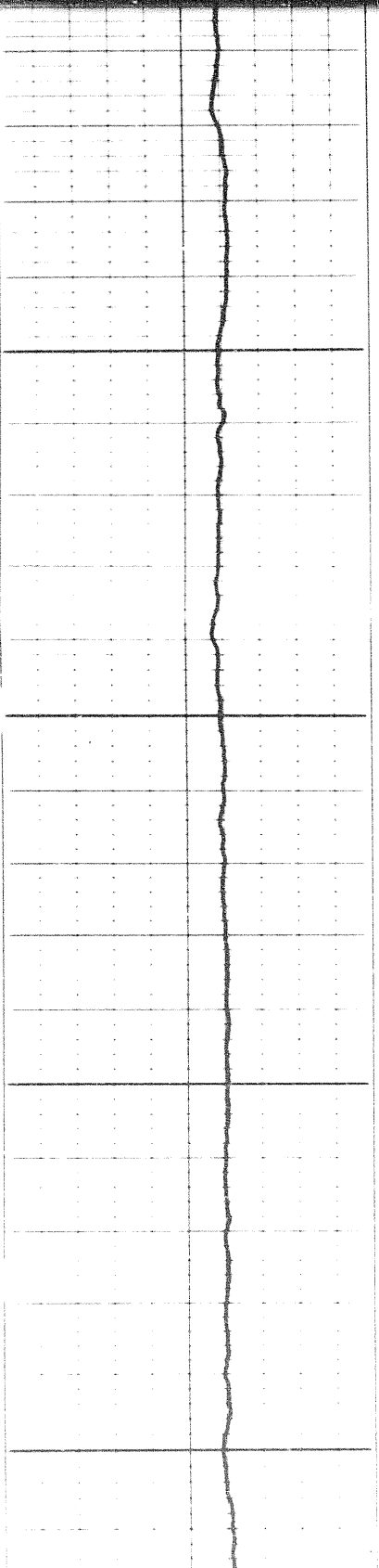
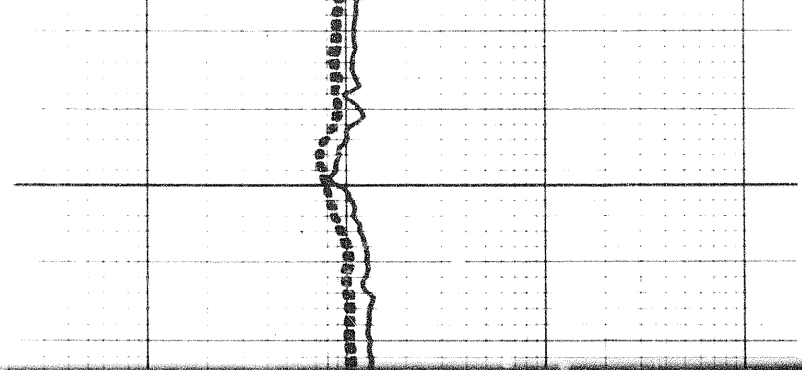
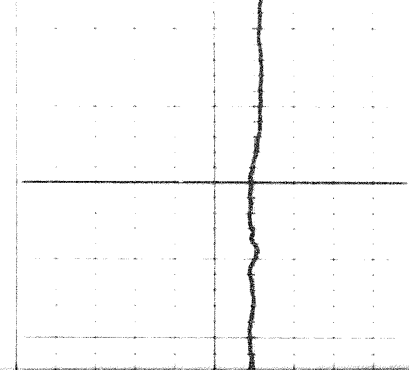
7



4900

5000

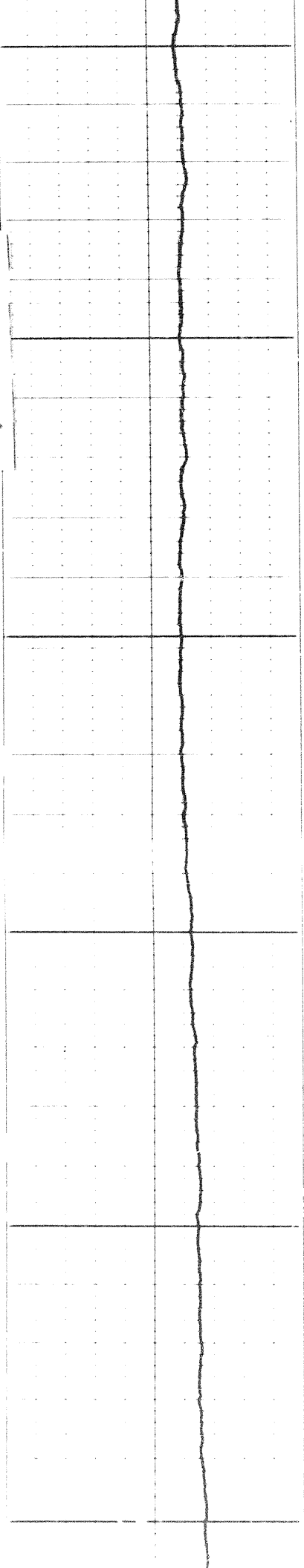
5100



5200

5300

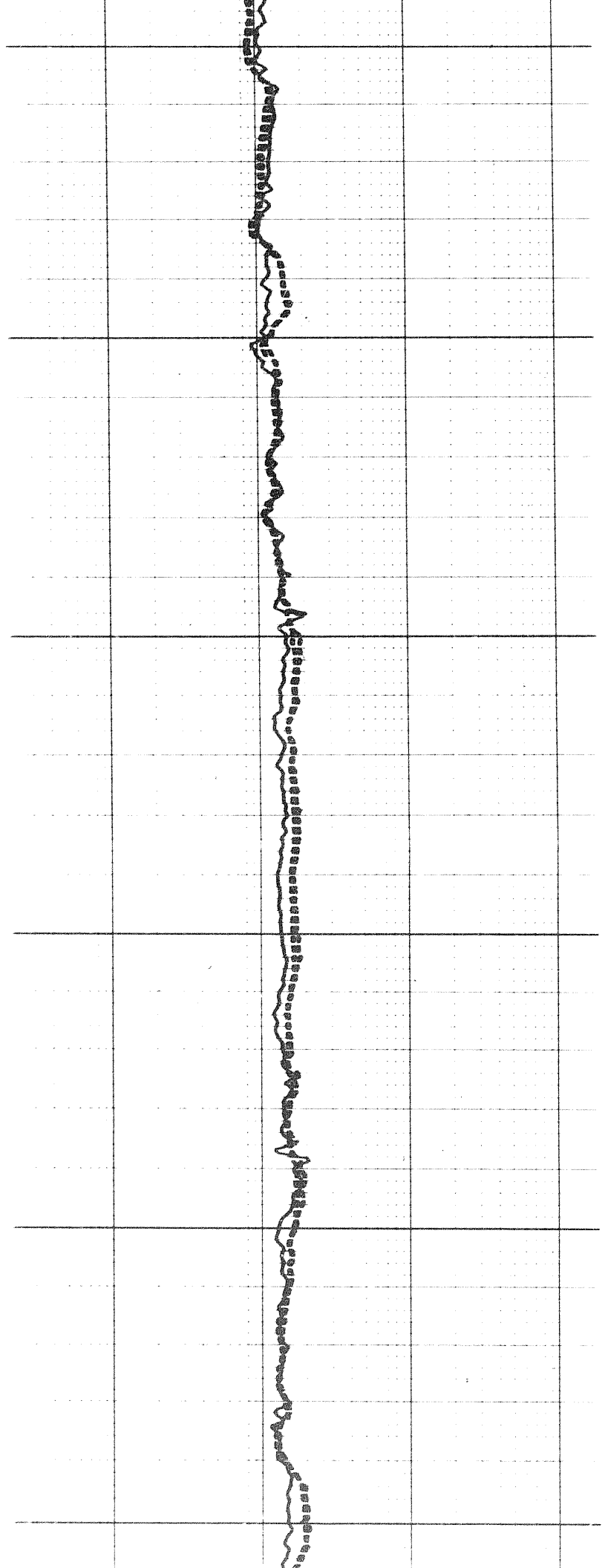
1904

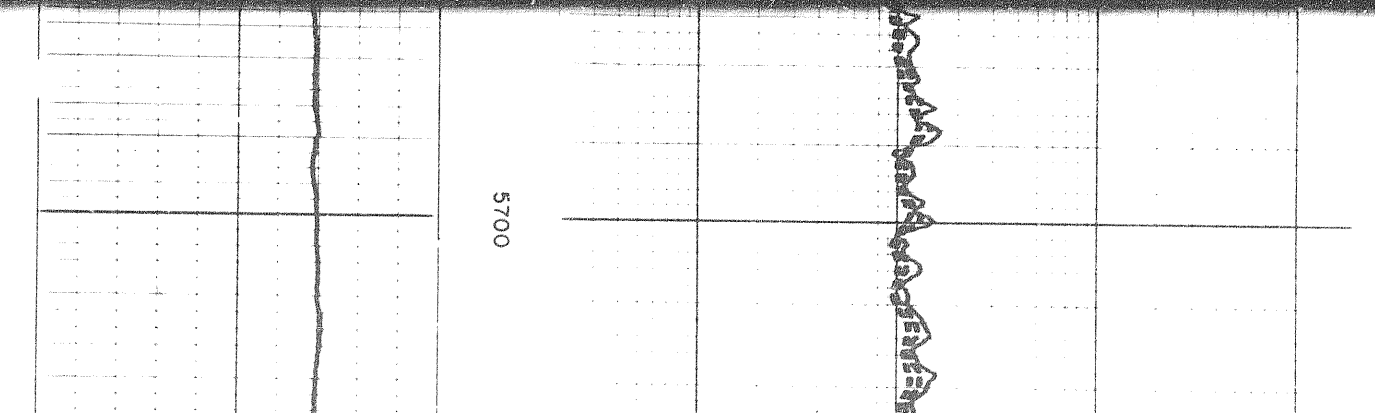
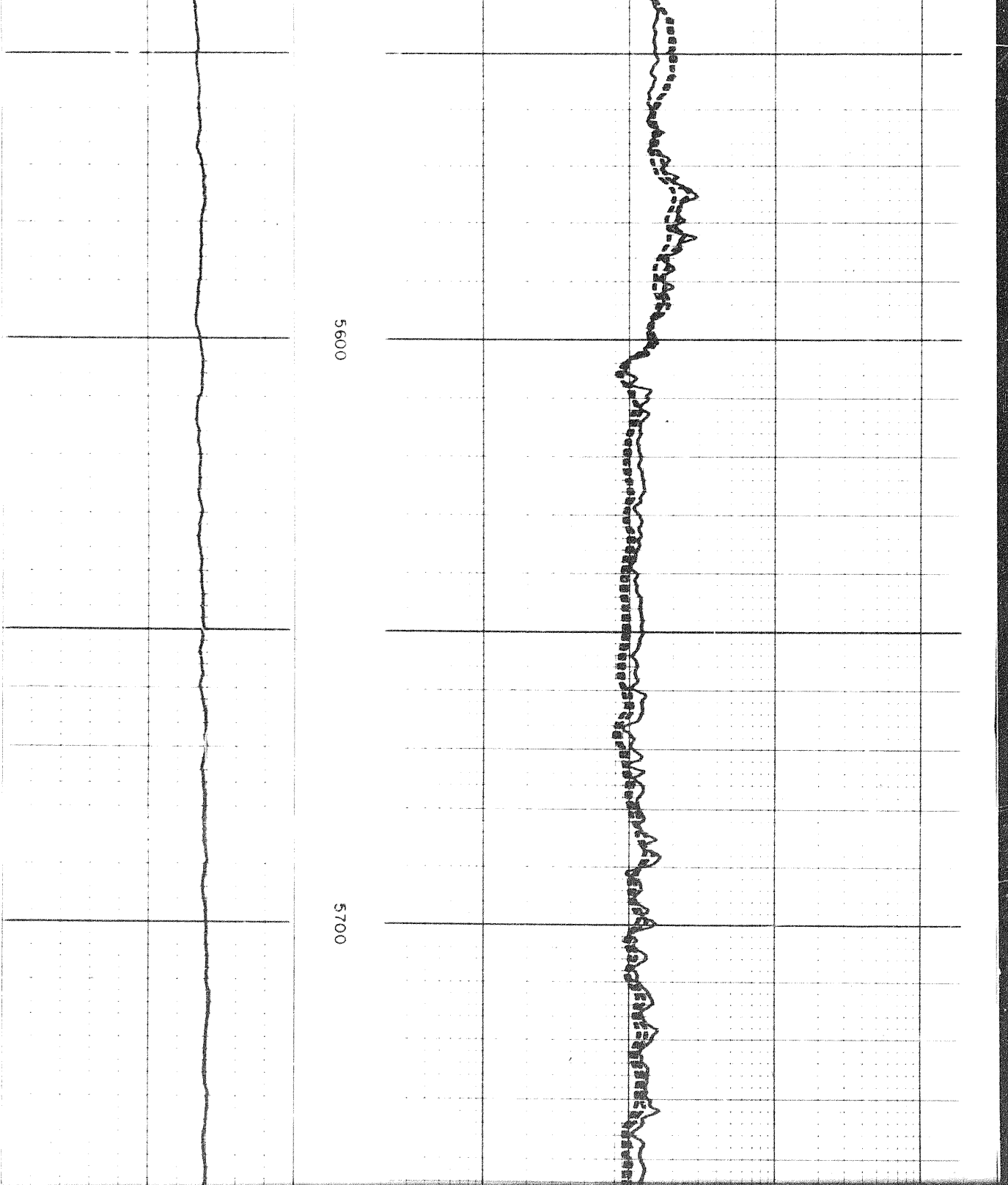


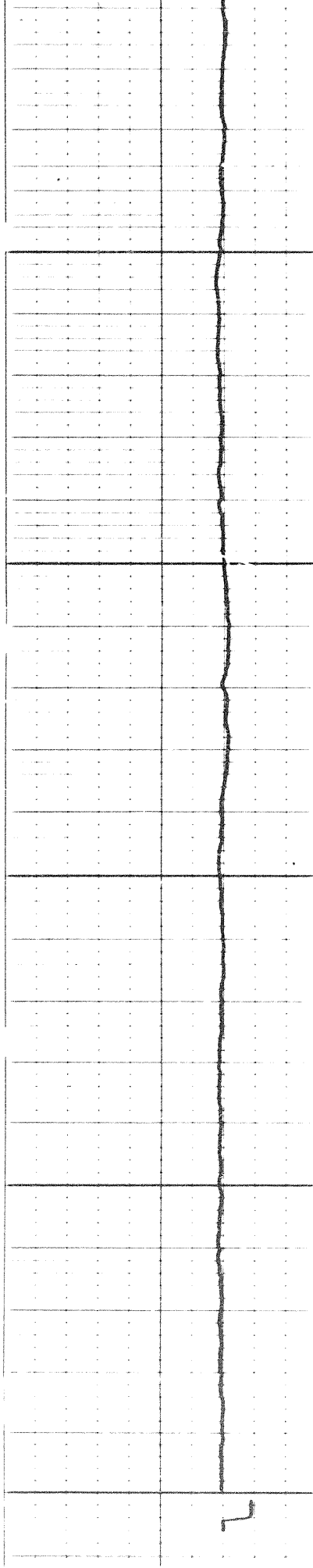
5300

5400

5500



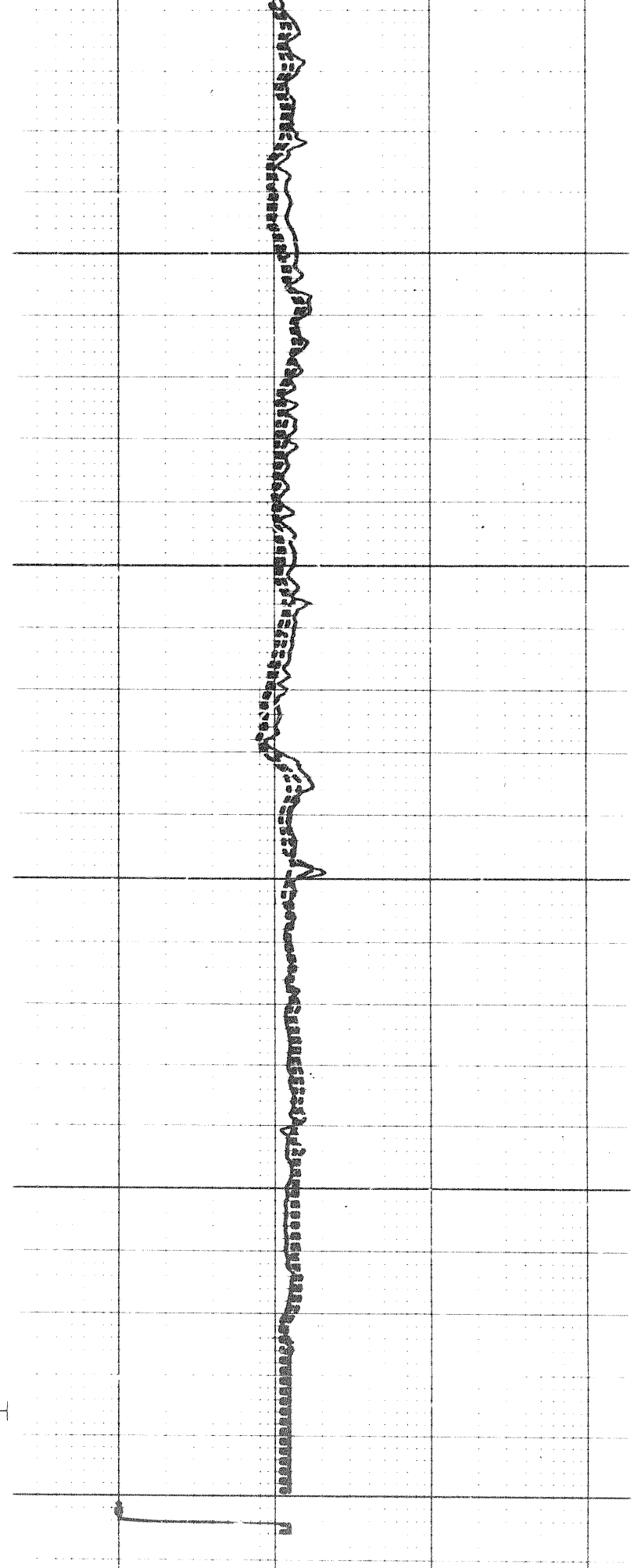




5800

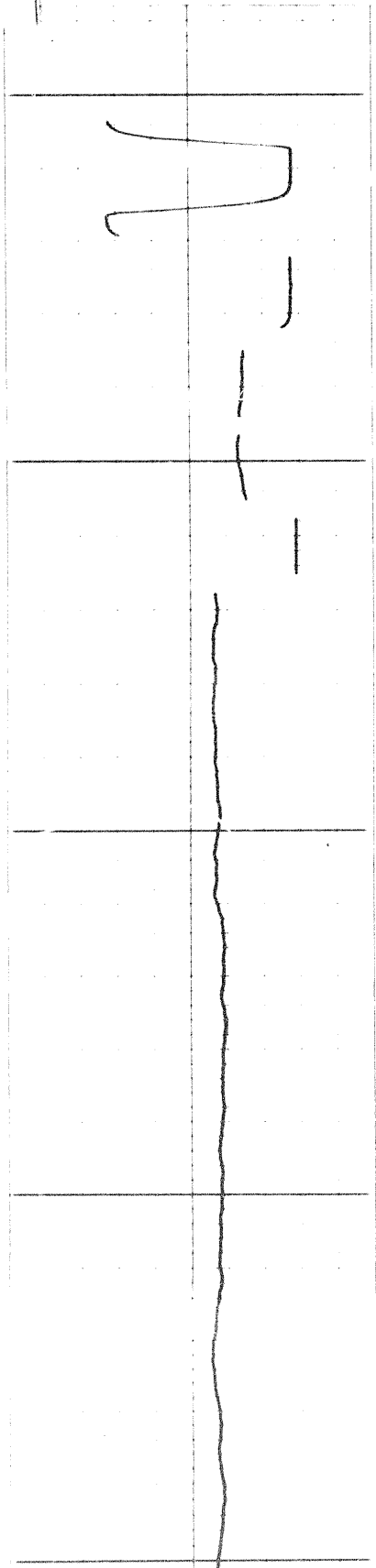
5900

FR



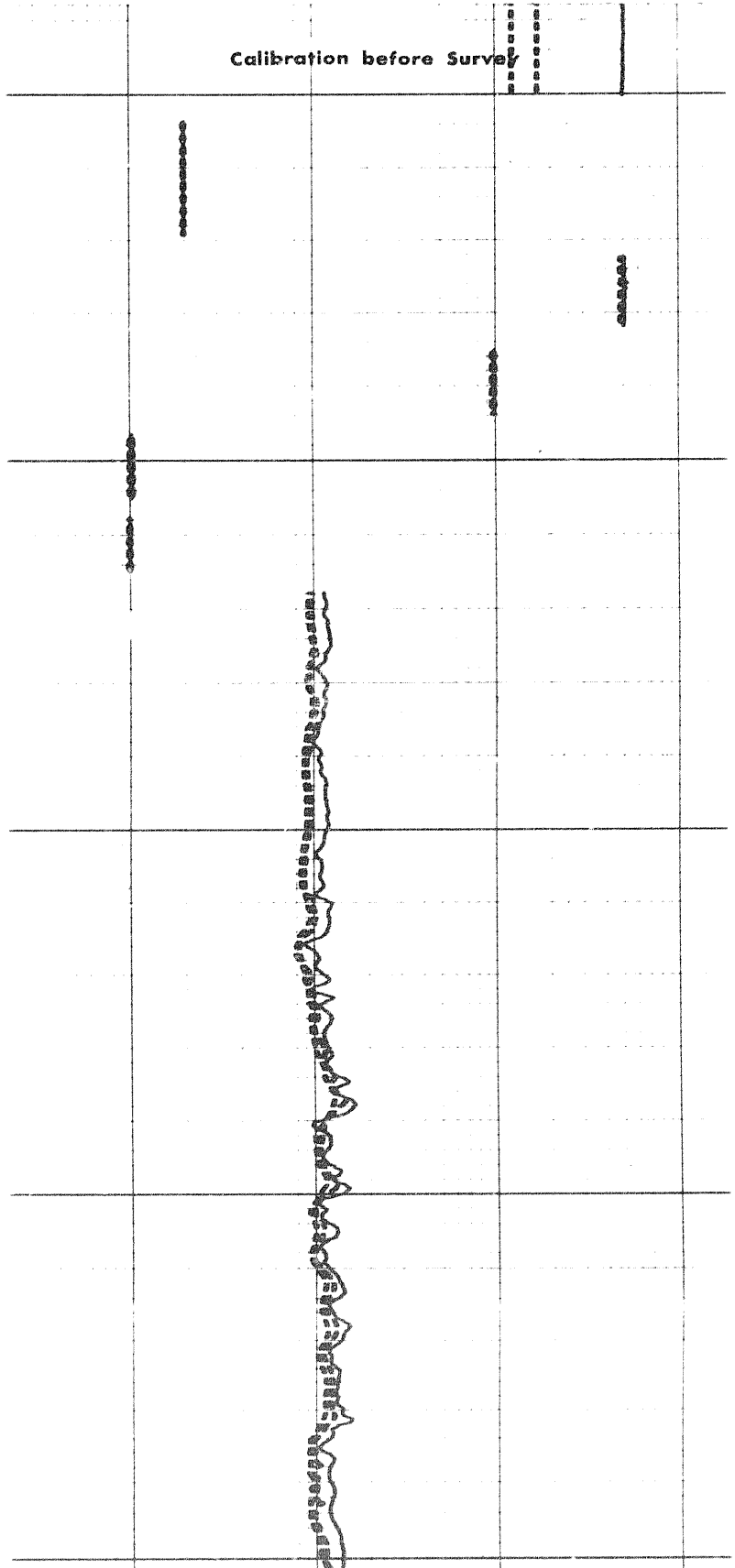
2007

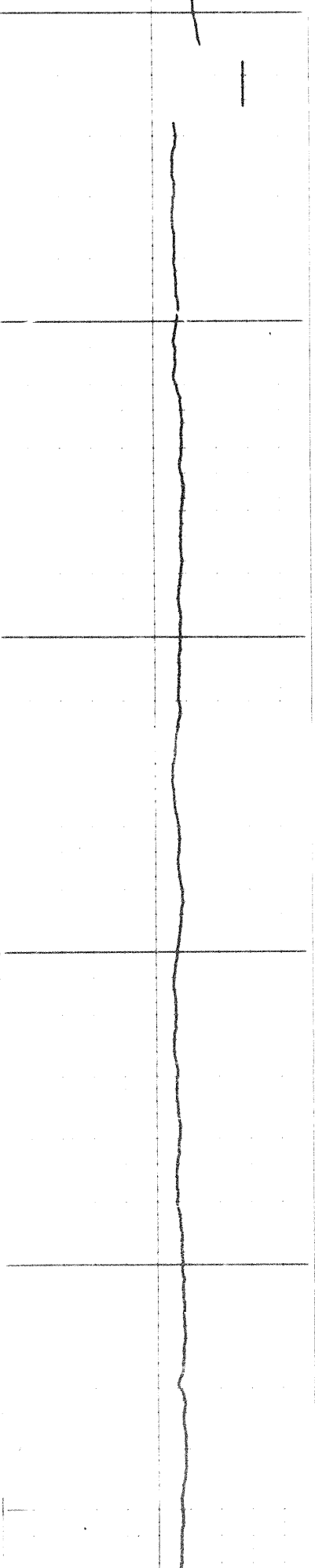
REPEAT SECTION



5600

5700

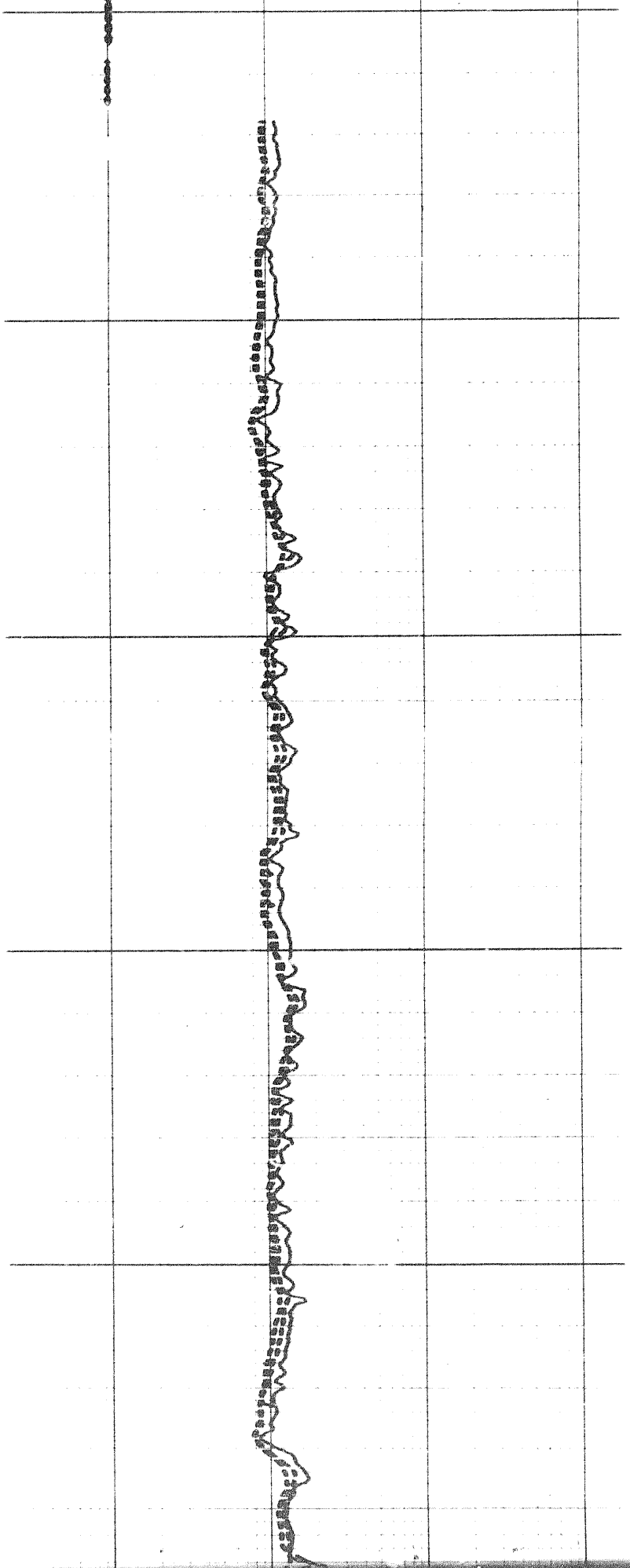


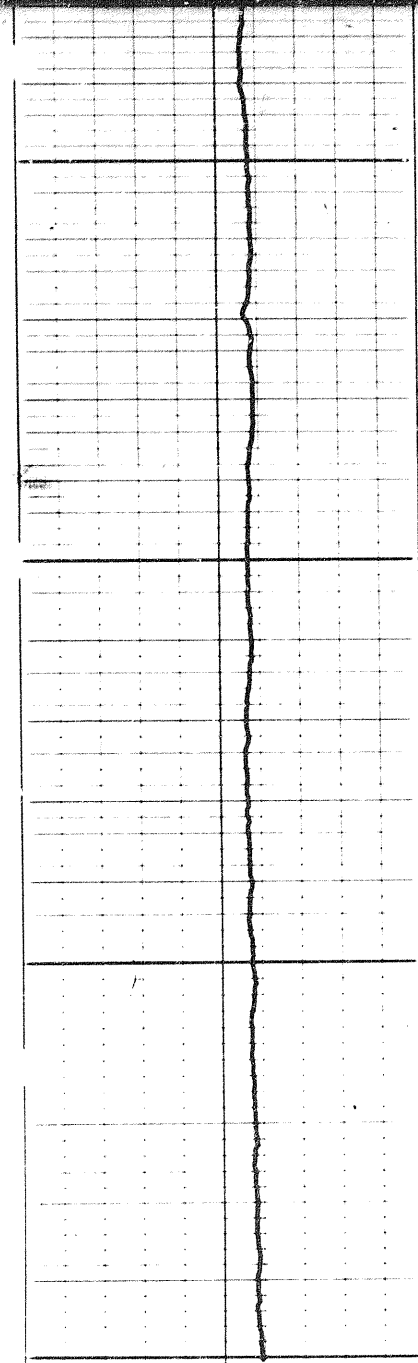


600

5700

5800

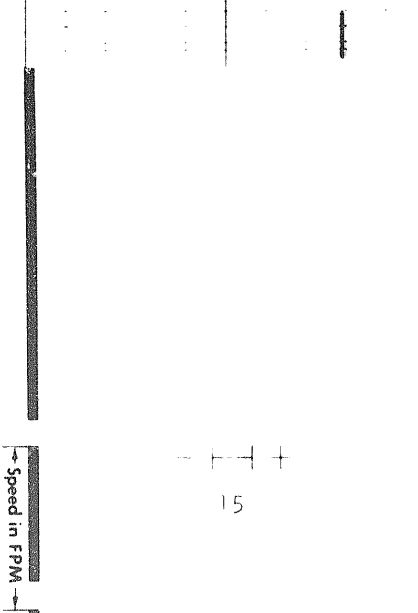
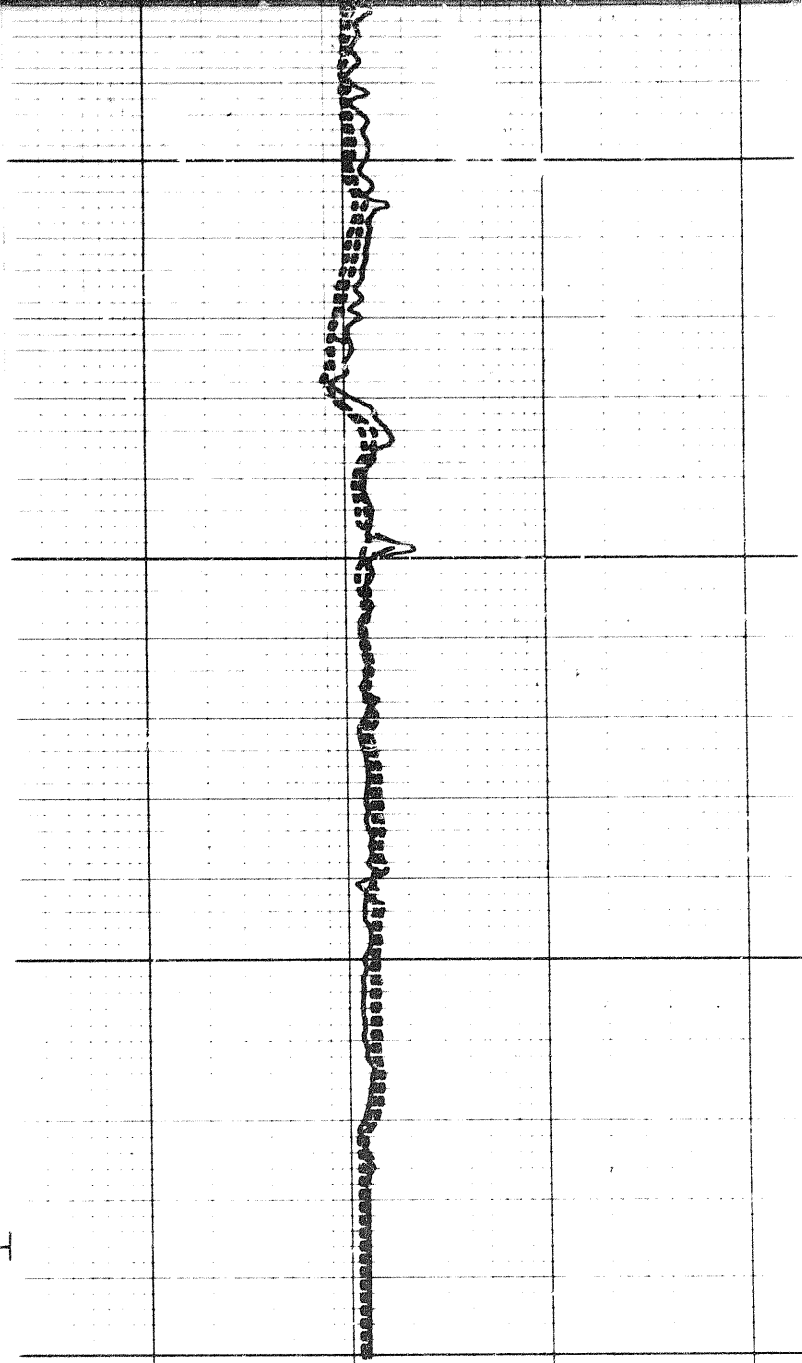




5800

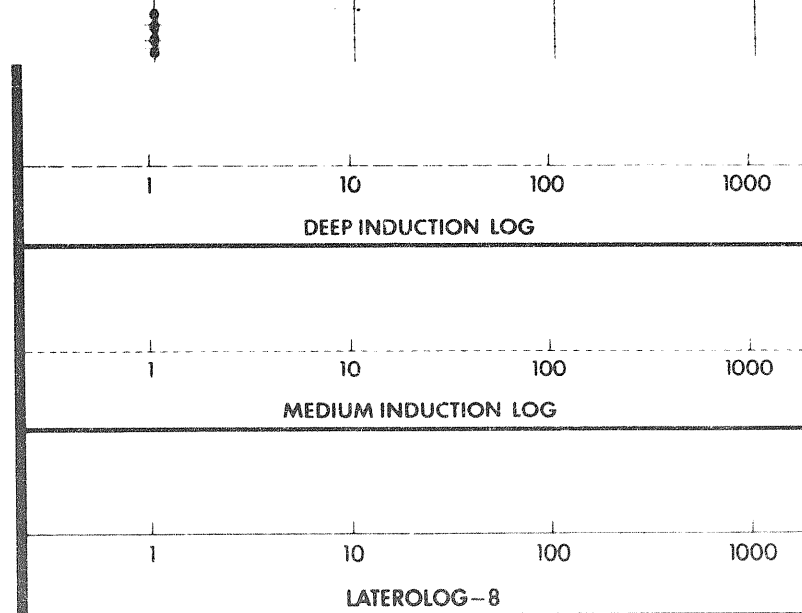
5900

FR



Speed in FPM

15



DEEP INDUCTION LOG

MEDIUM INDUCTION LOG

LATEROLOG-8

SPONTANEOUS - POTENTIAL

DEPT

RESISTIVITY
ohm-cm/cm

LATEROLOG-8

SPONTANEOUS - POTENTIAL
millivolts

DEPTHS

RESISTIVITY
ohms m/m

DETAIL LOG 5" = 100' RUN 3

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

15



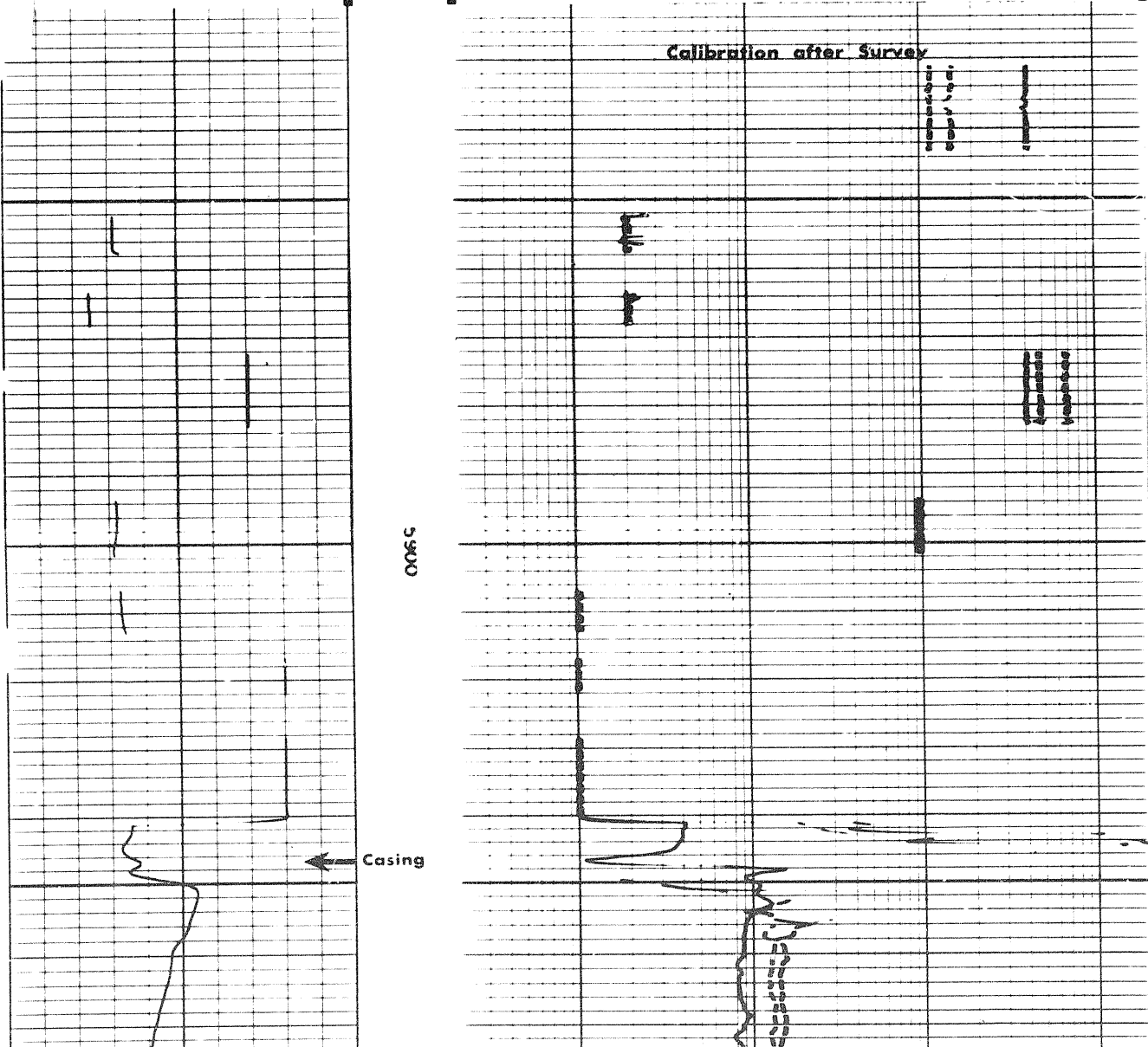
2107

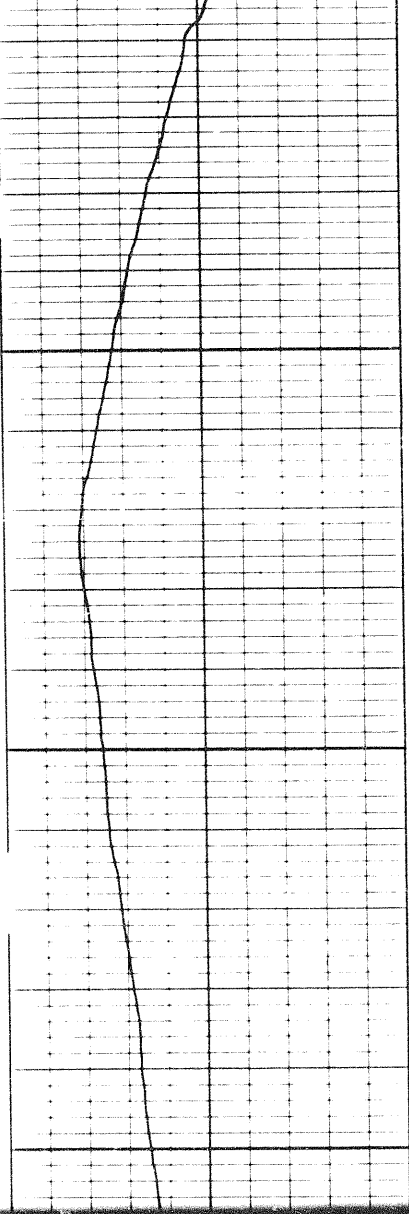
Calibration after Survey

Vertical text labels on the right side of the grid, possibly indicating depth or log type.

5900

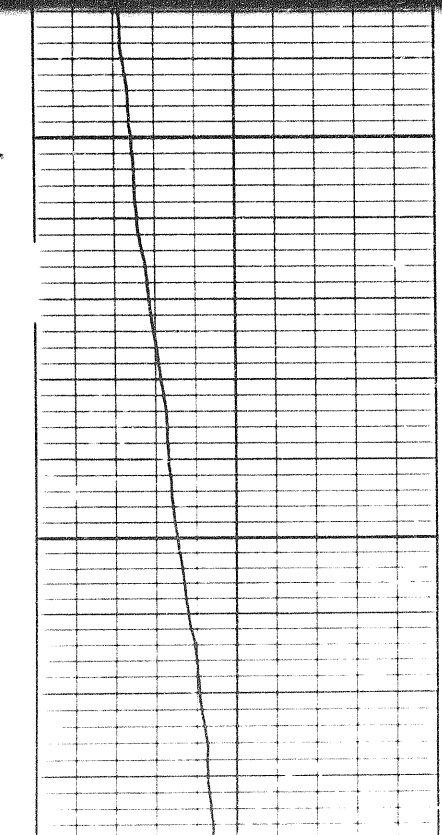
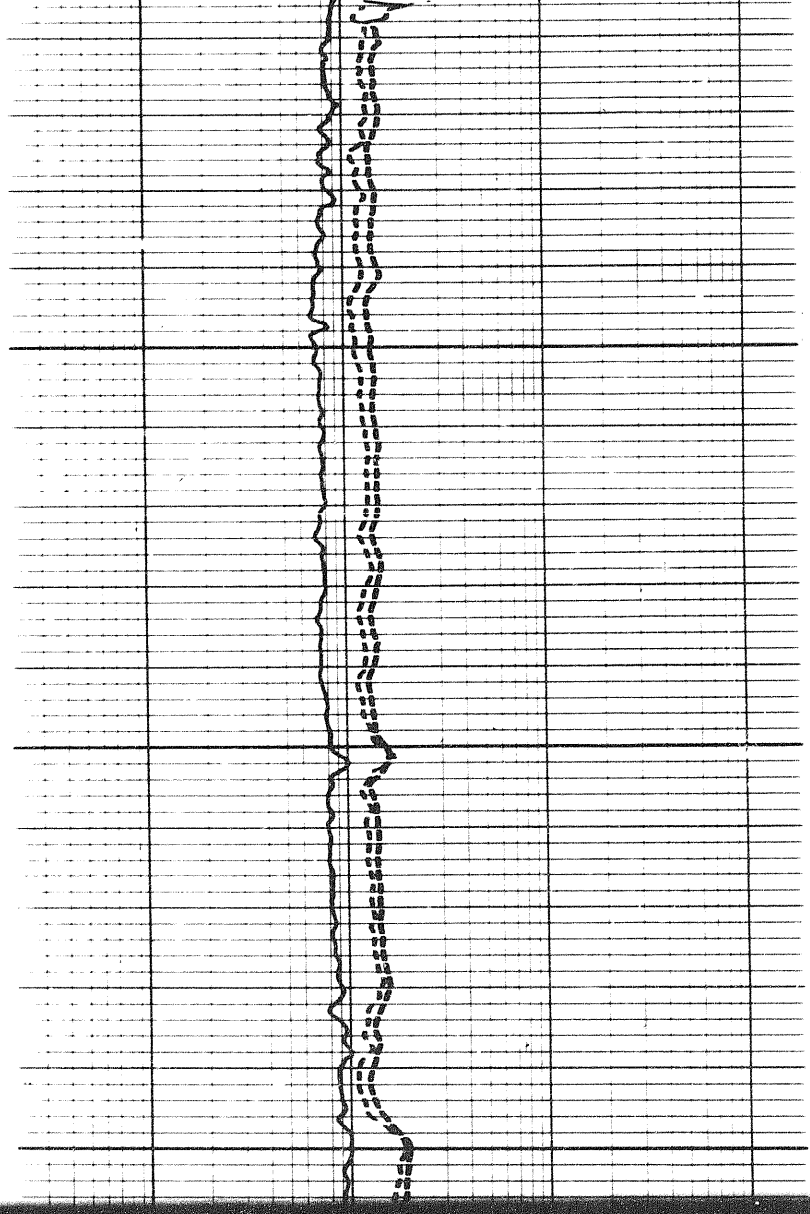
Casing





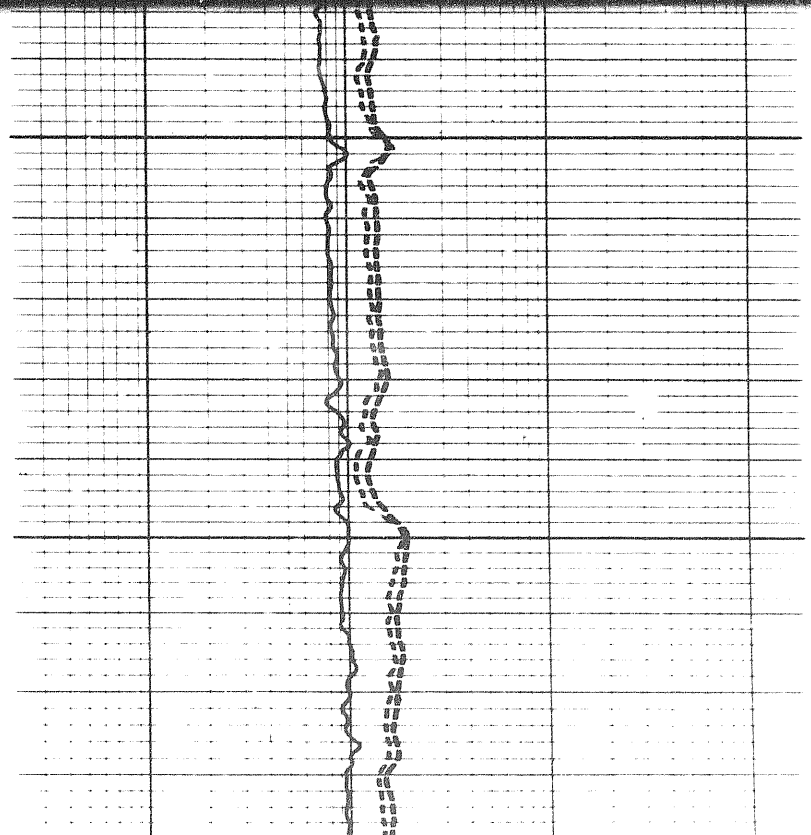
0009

6100

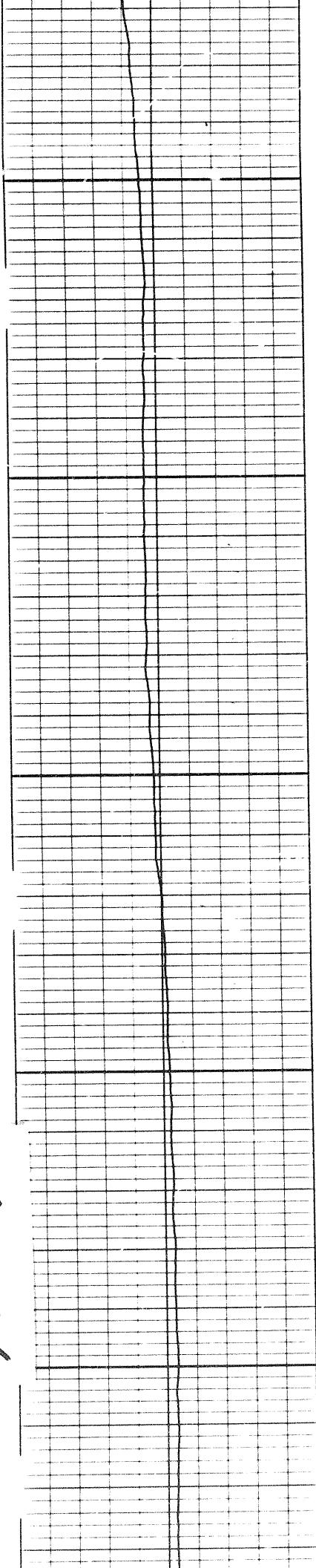


0019

6100

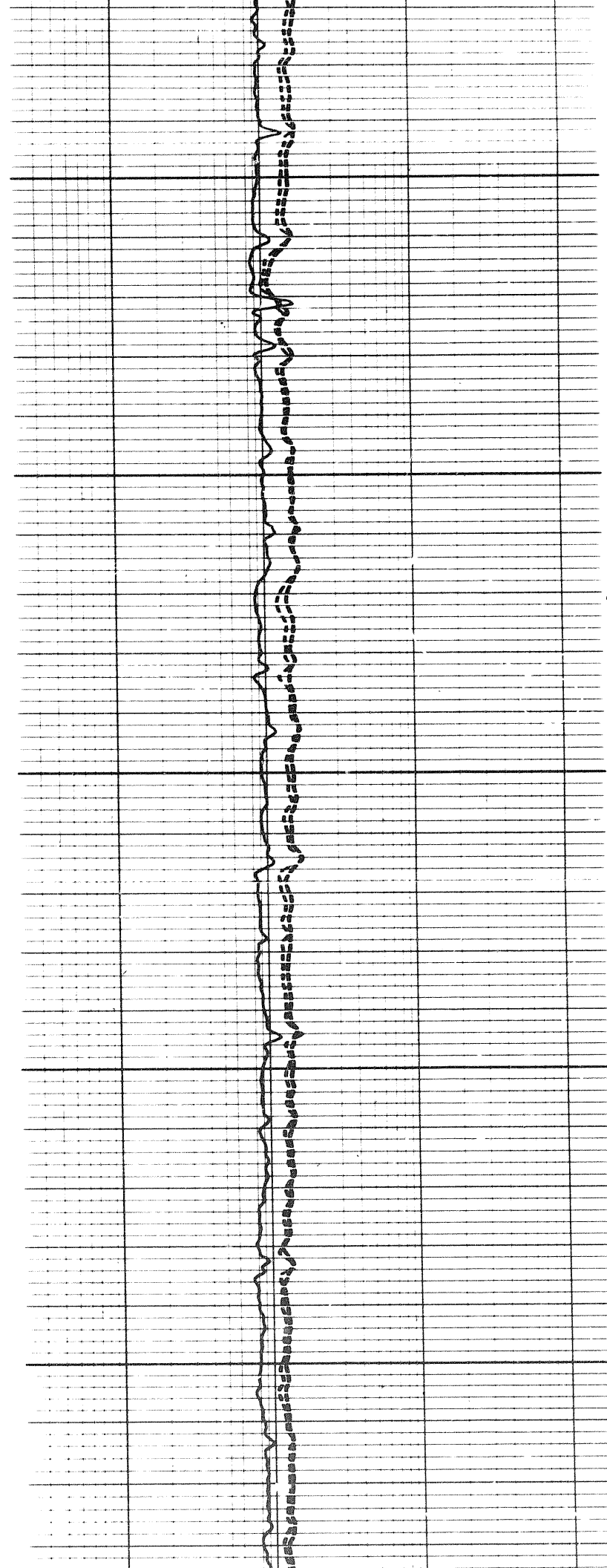


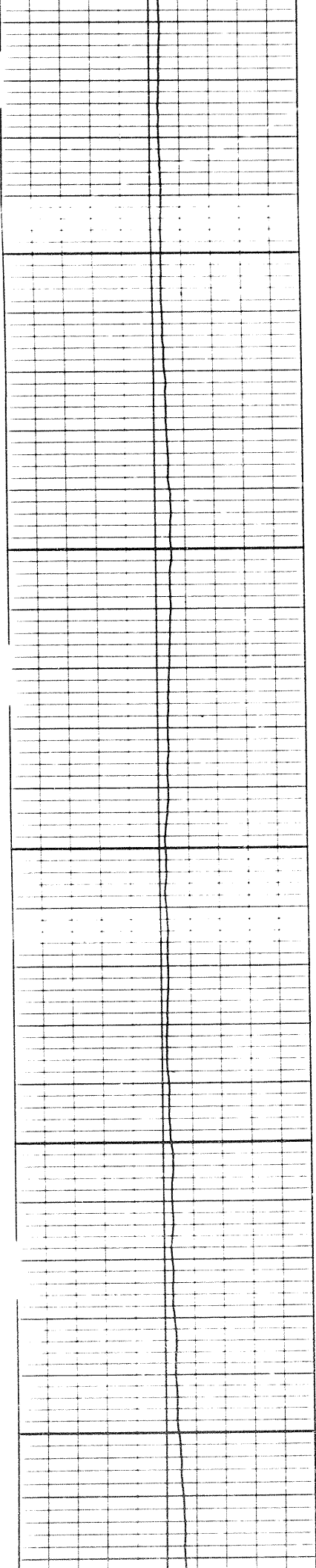
22 of



6200

6300

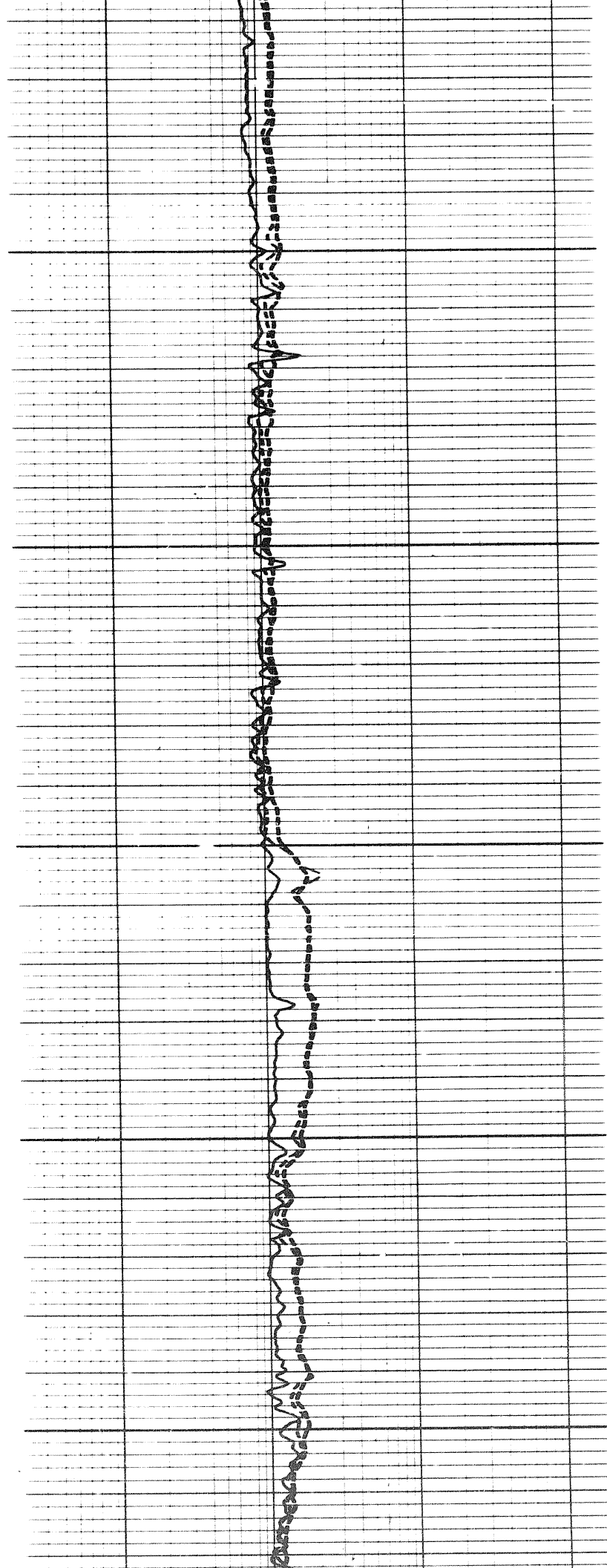




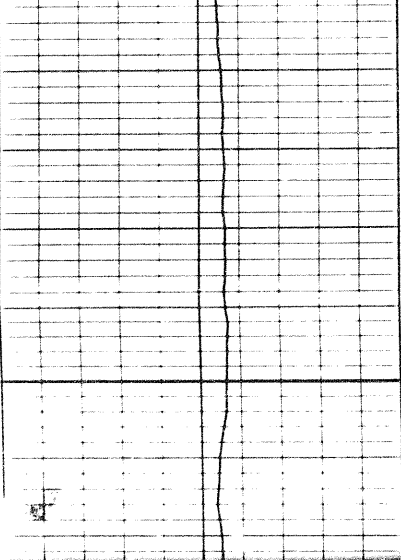
6400

6500

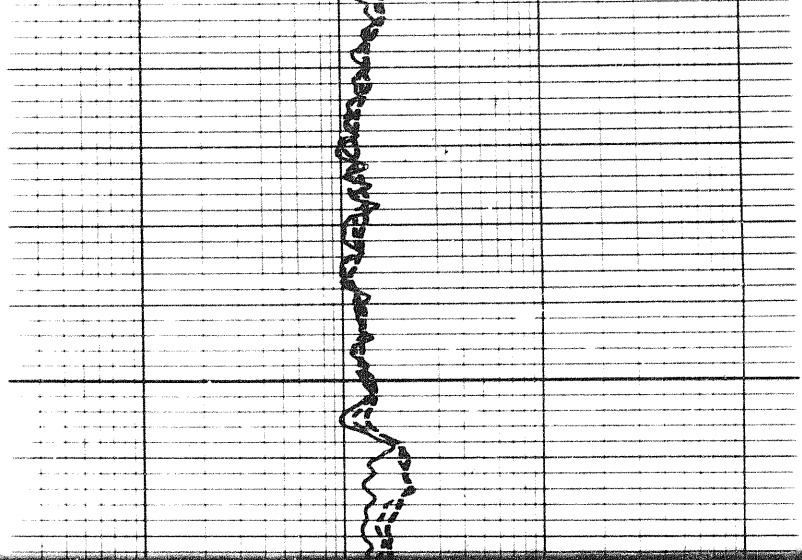
6600



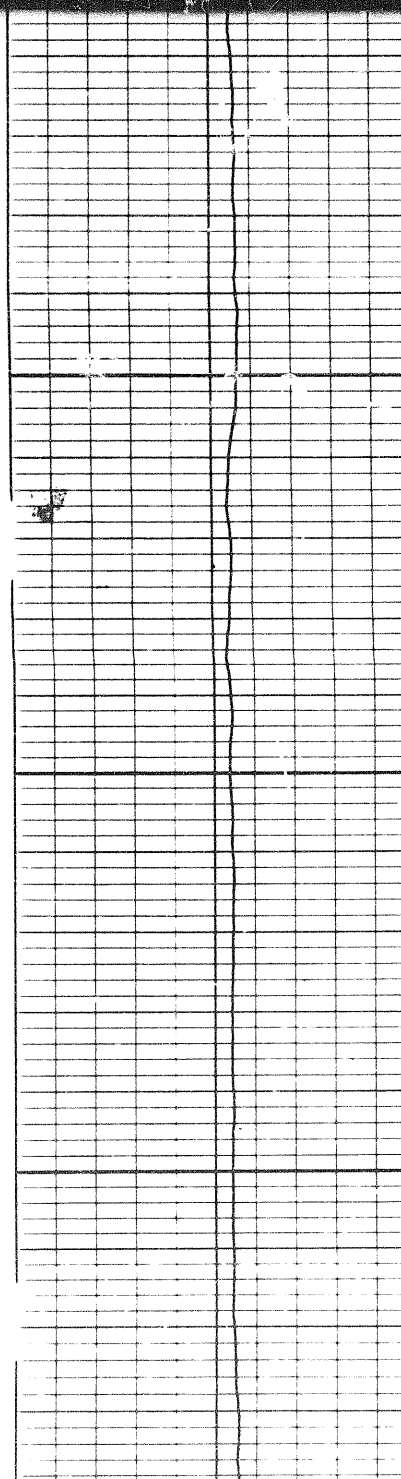
1



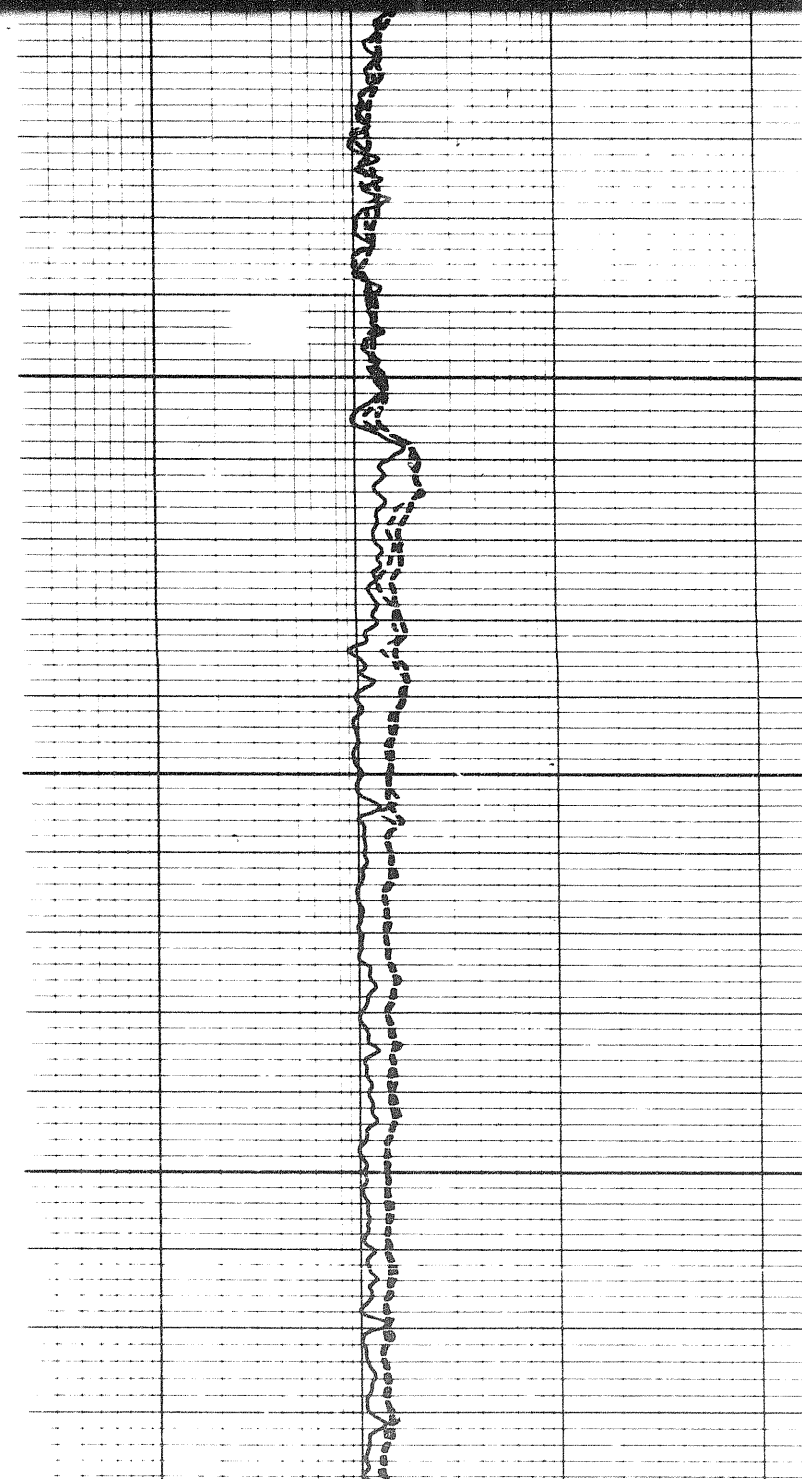
00



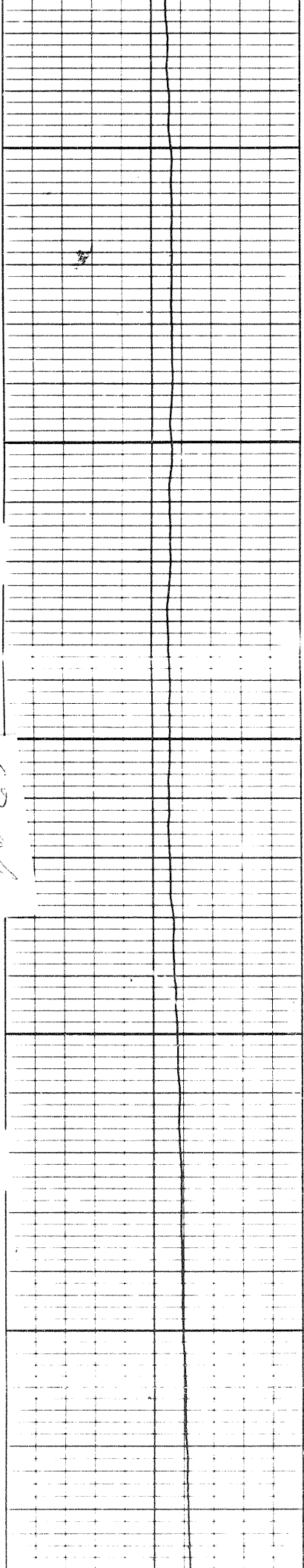
1



6700



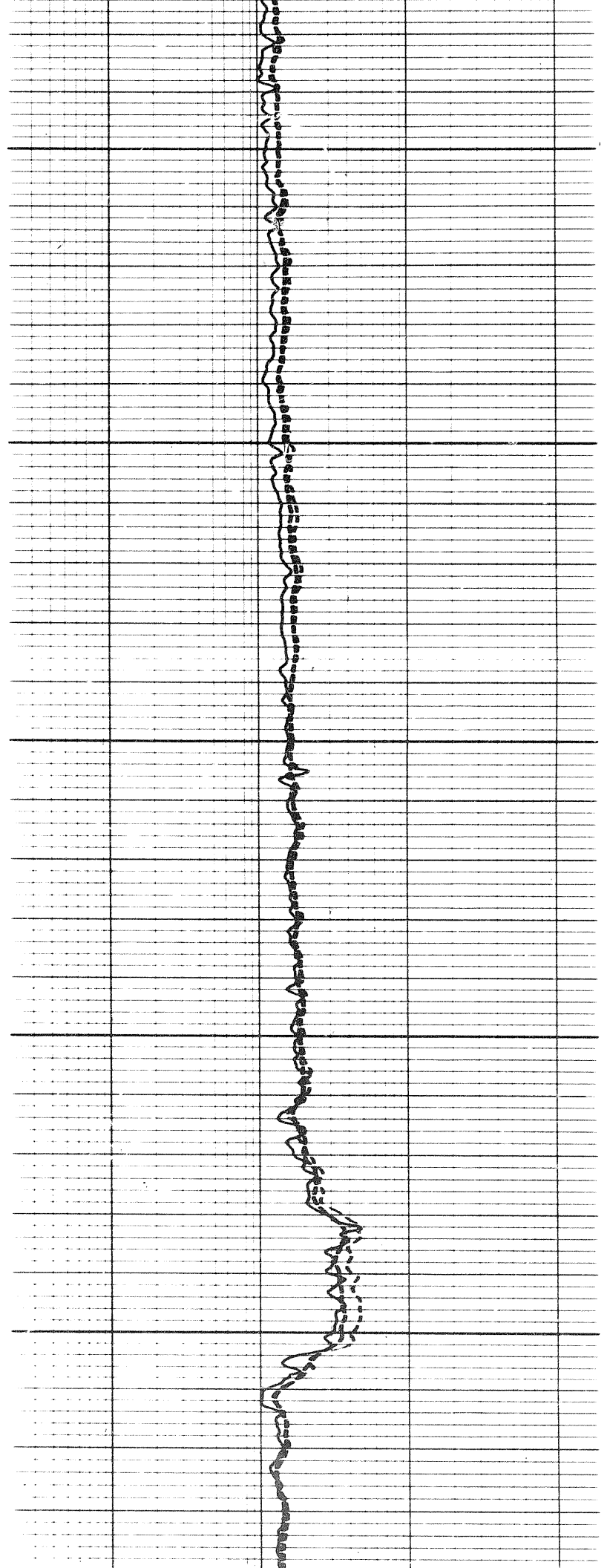
53 of

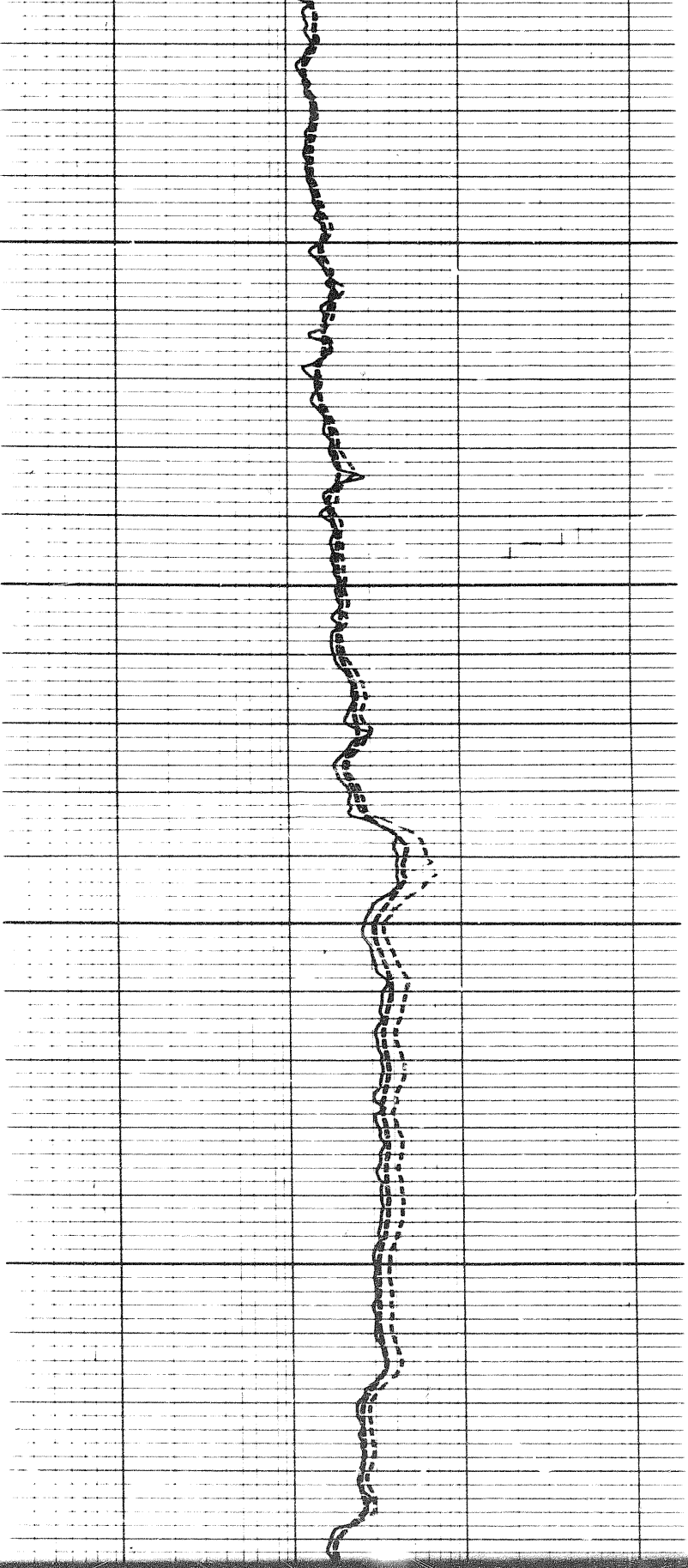


6800

6900

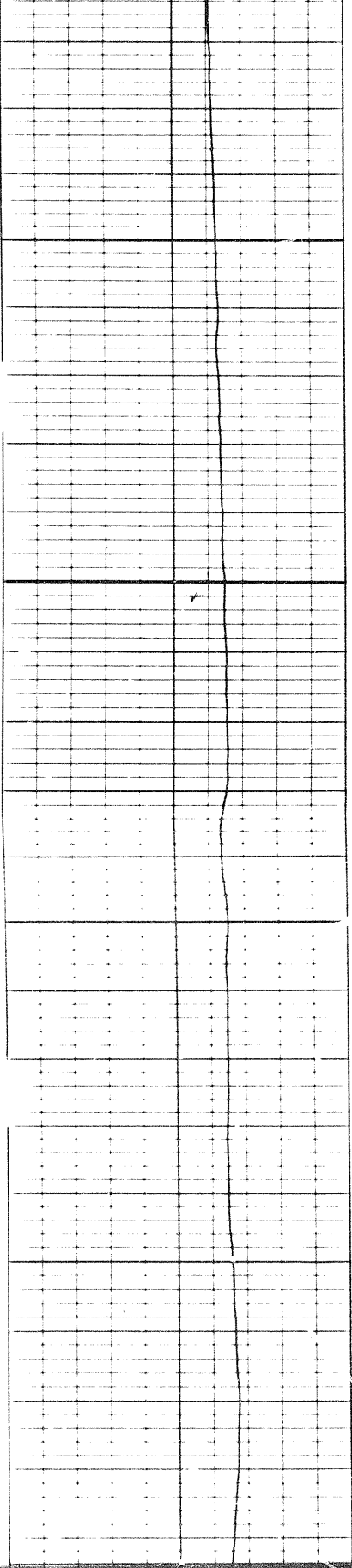
7000





7 100

7 200

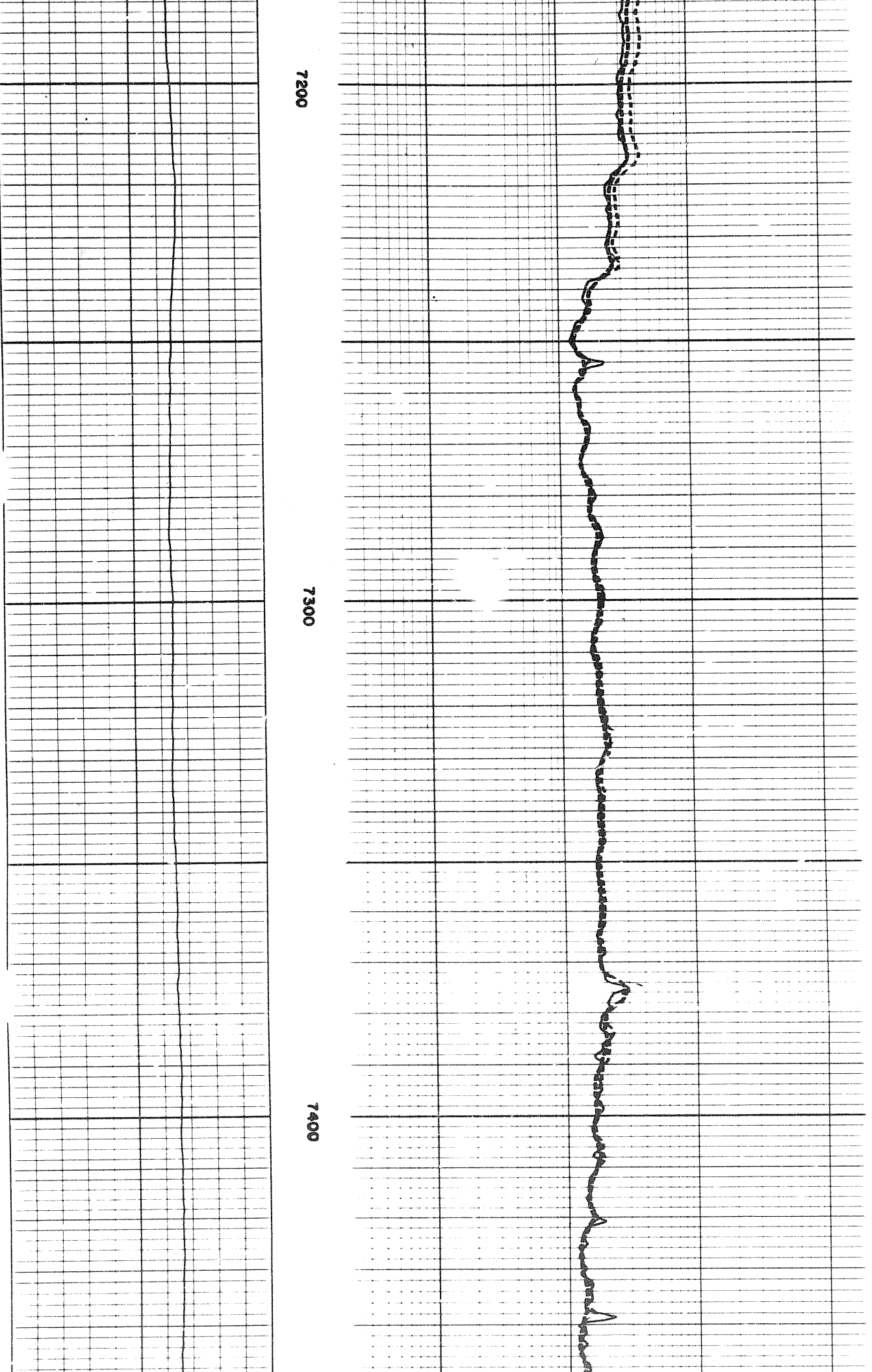


7 200

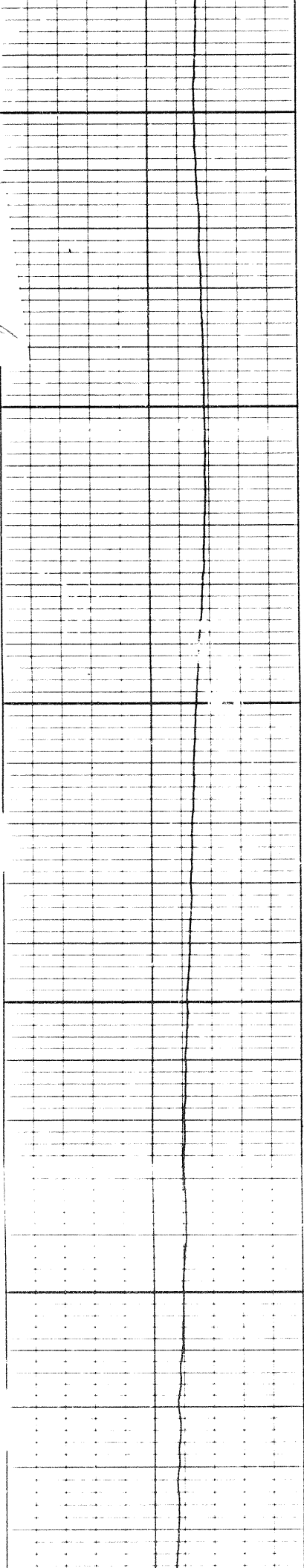
7200

7300

7400

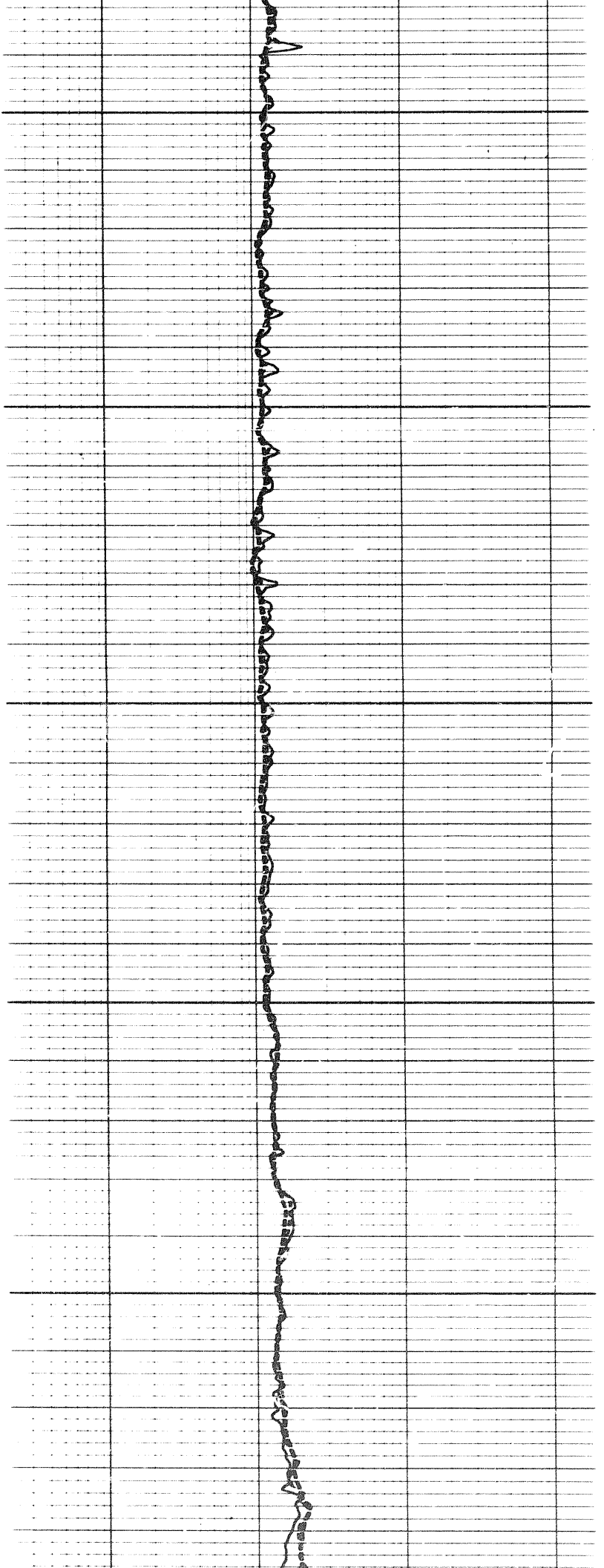


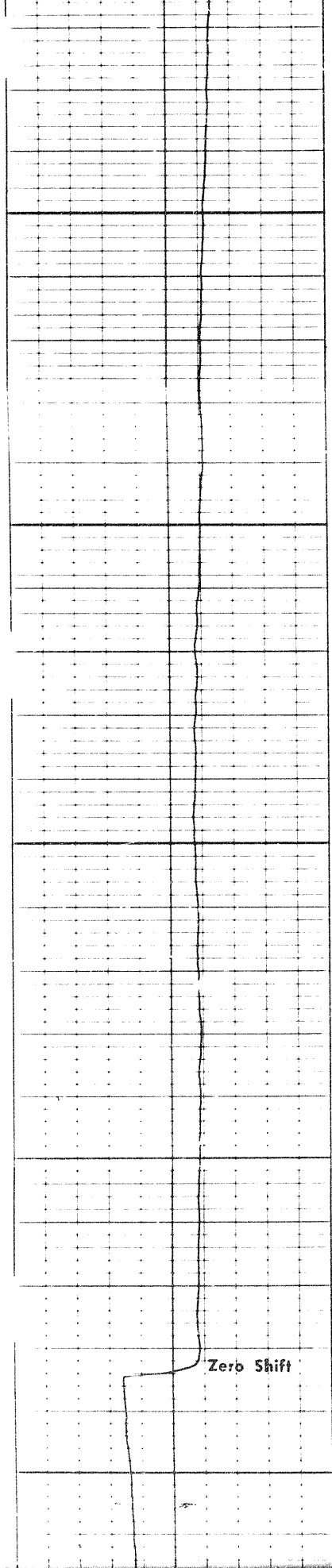
7046



7500

7600

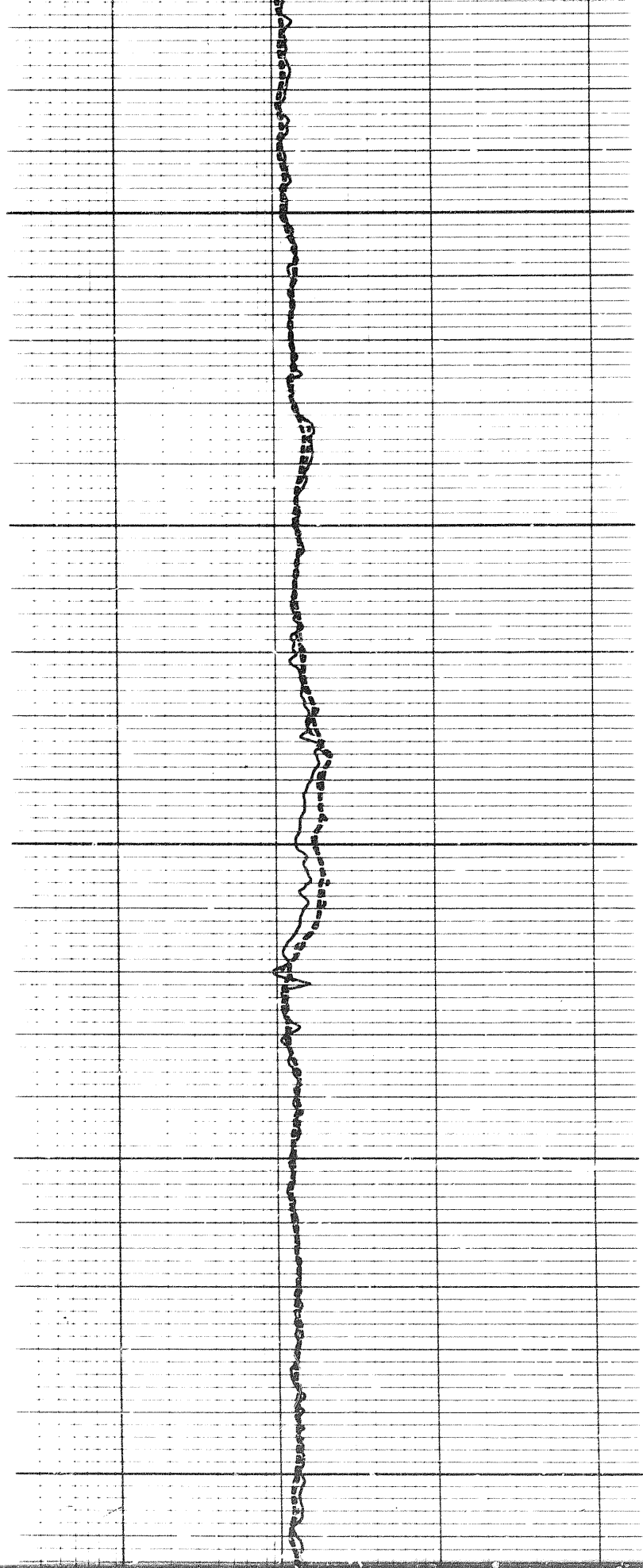


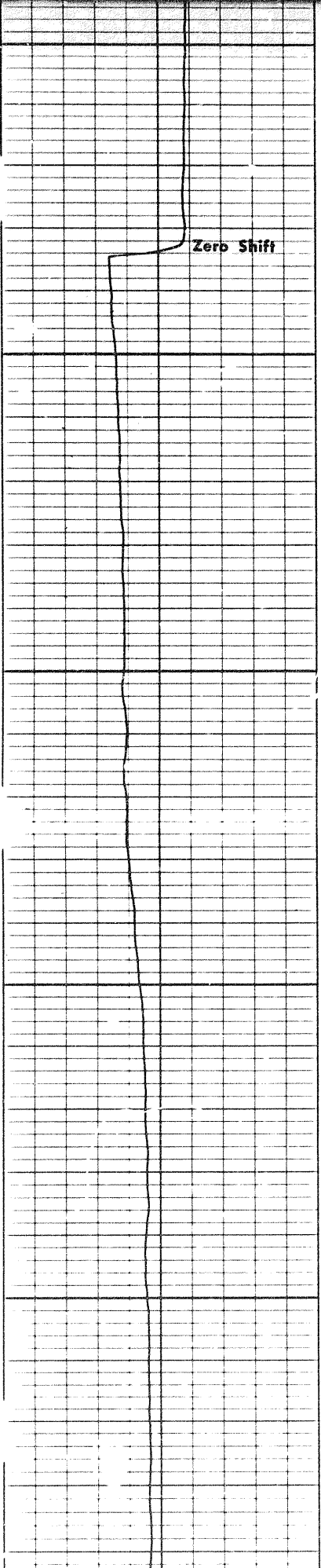


7600

7700

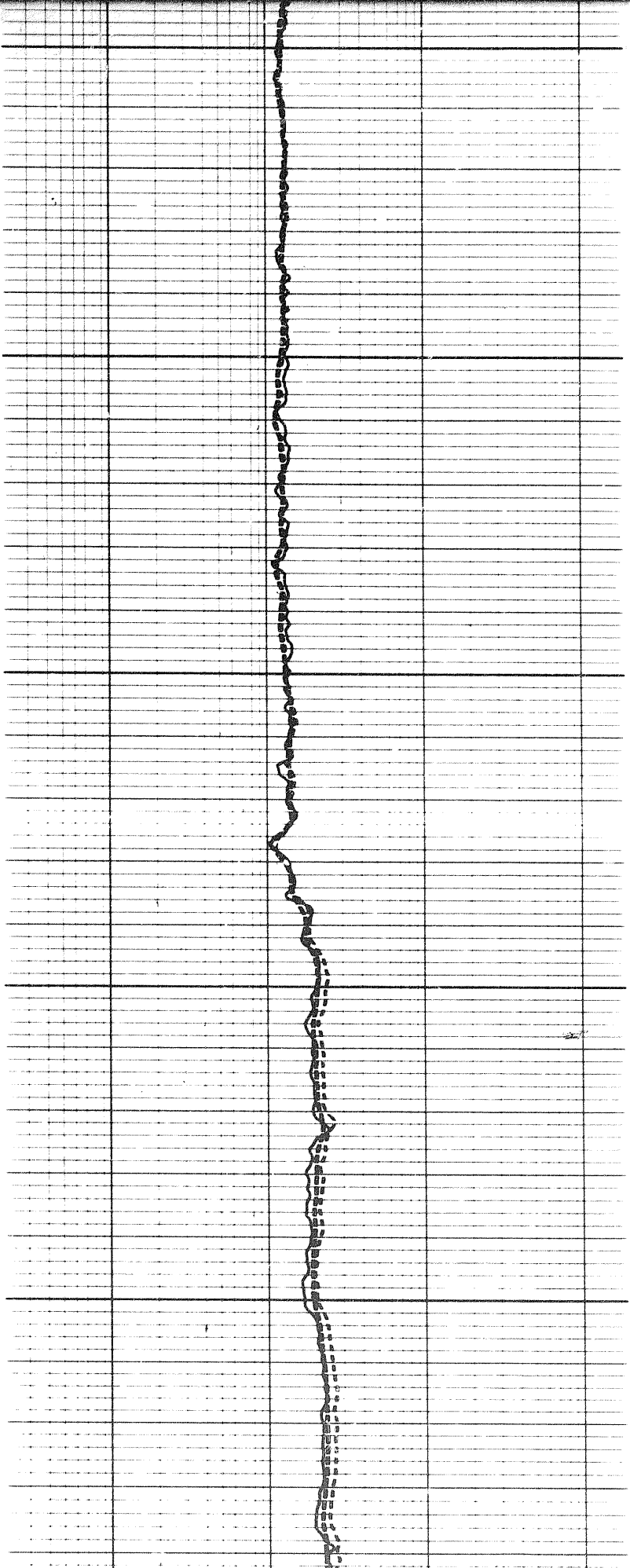
7800





7800

7900



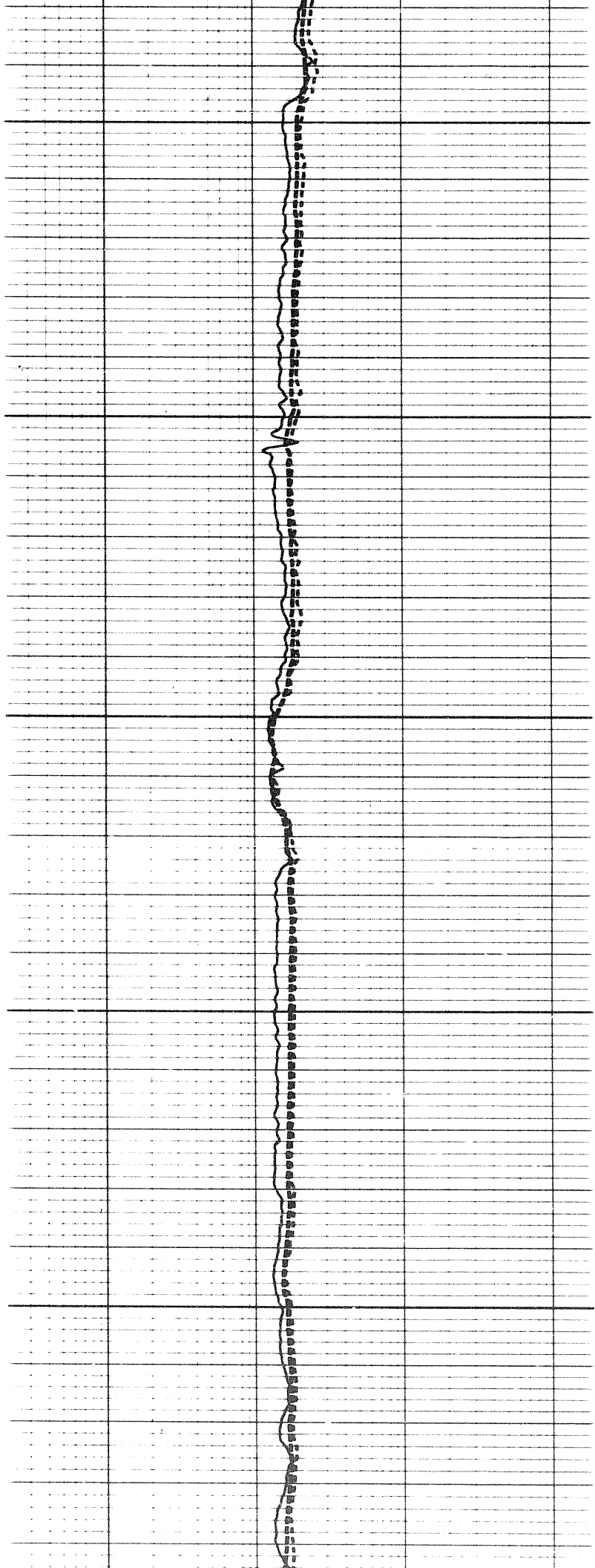
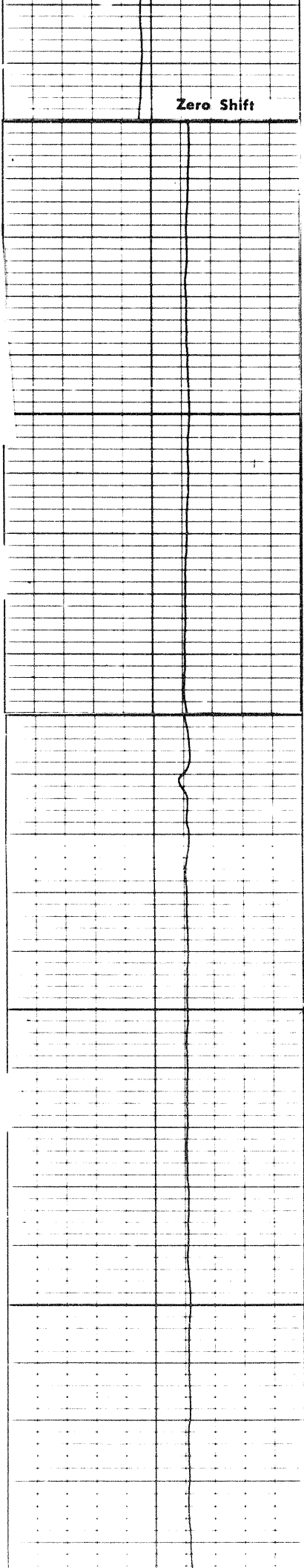
Zero Shift

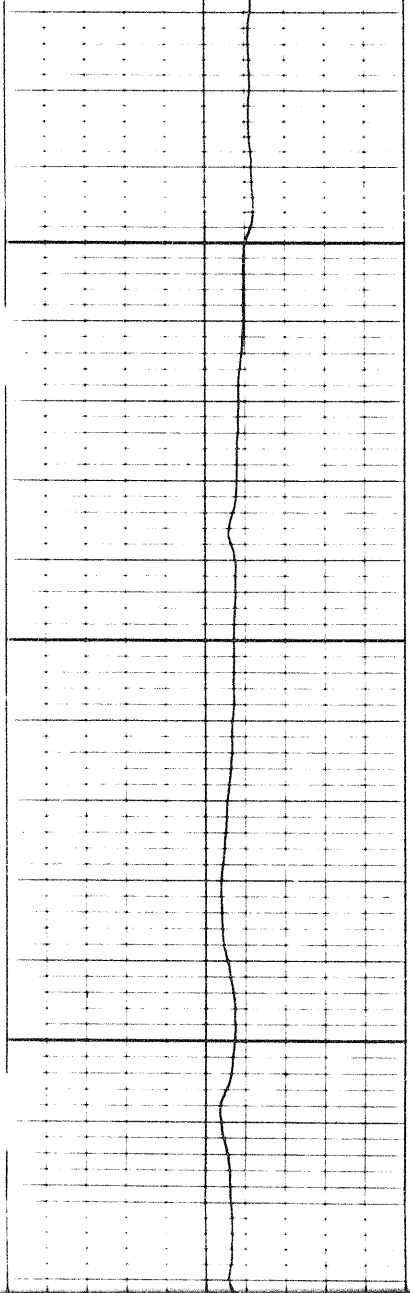
0000

0018

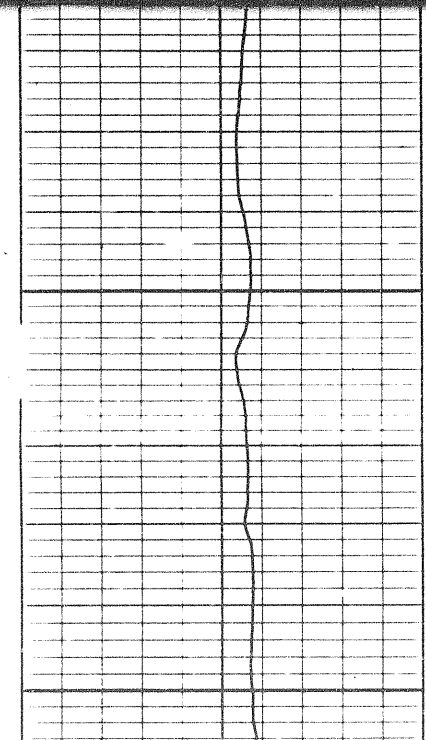
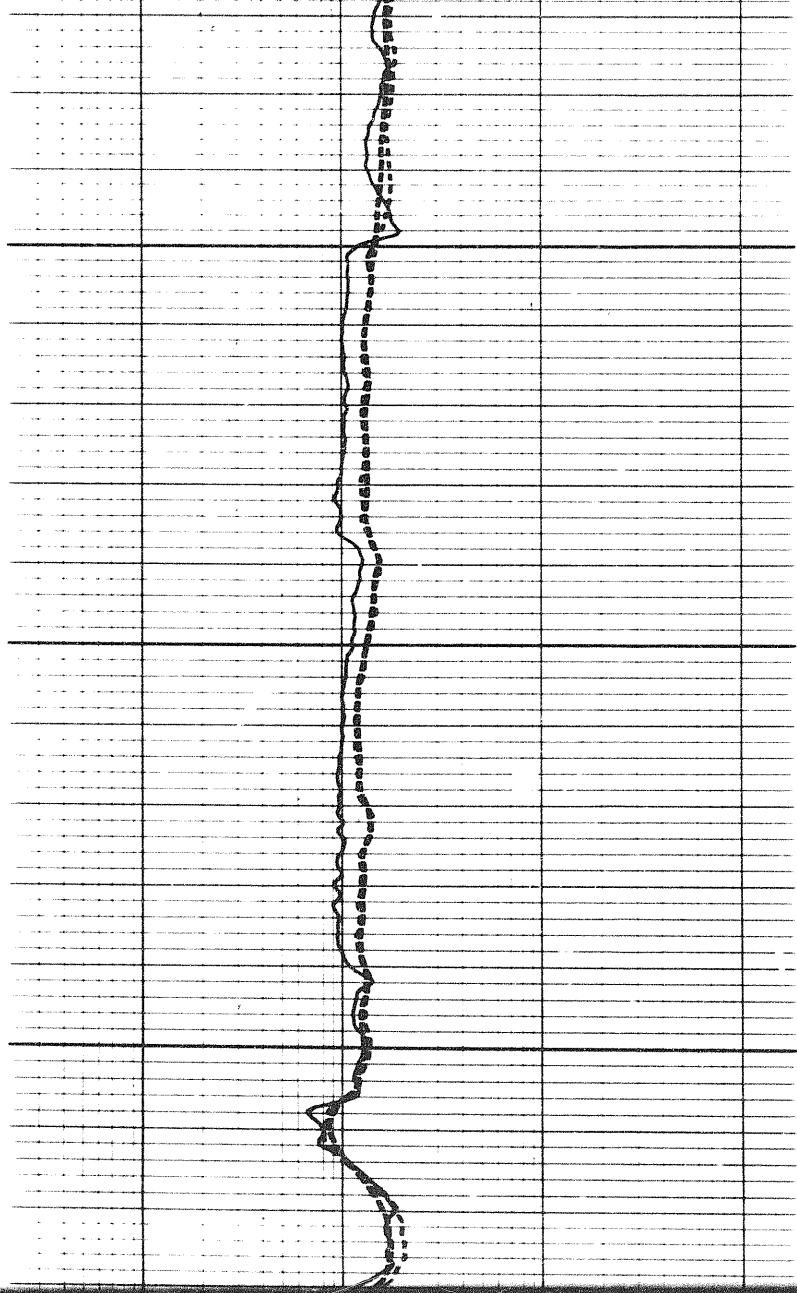
0028

2507

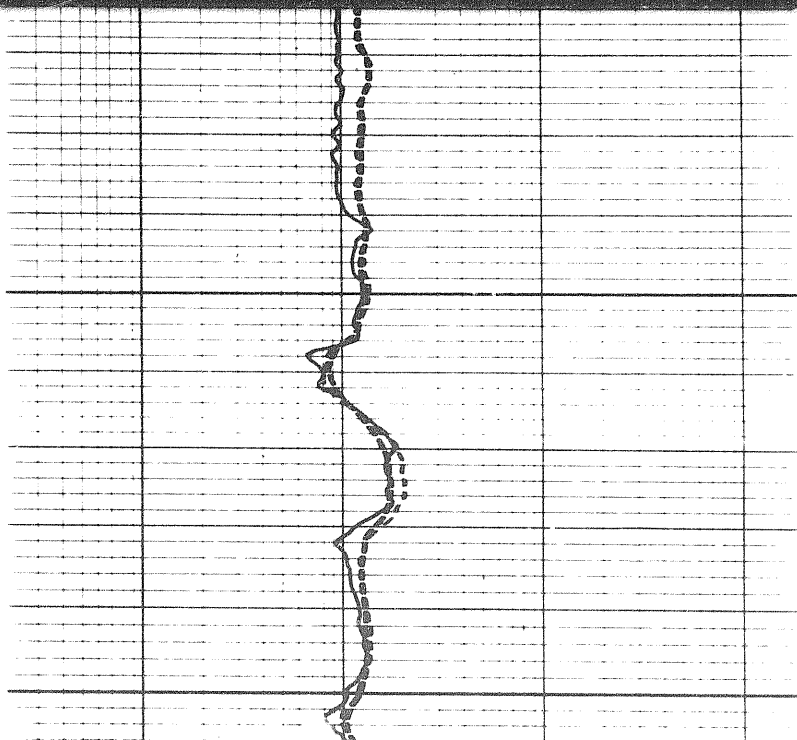




8300



8400

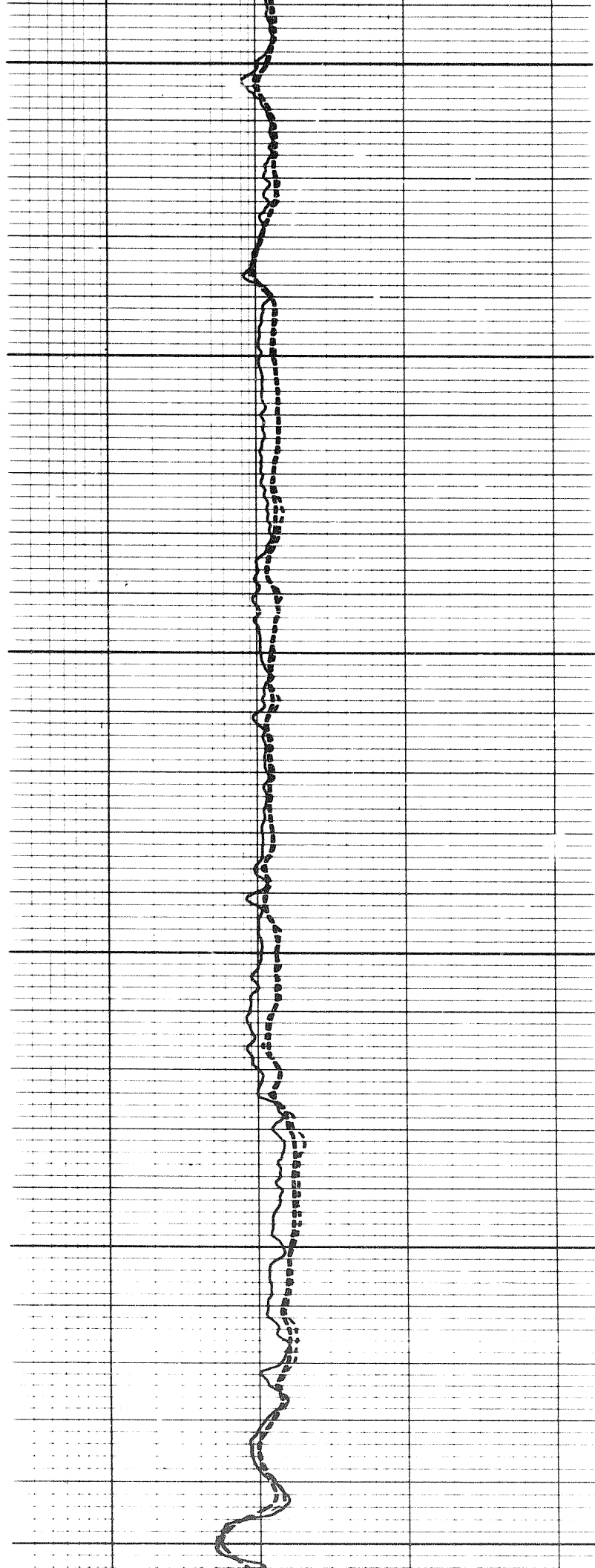
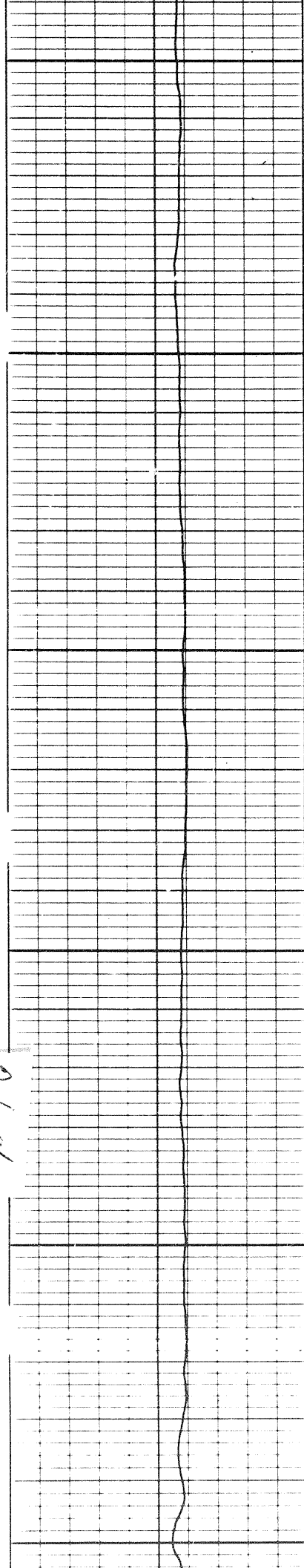


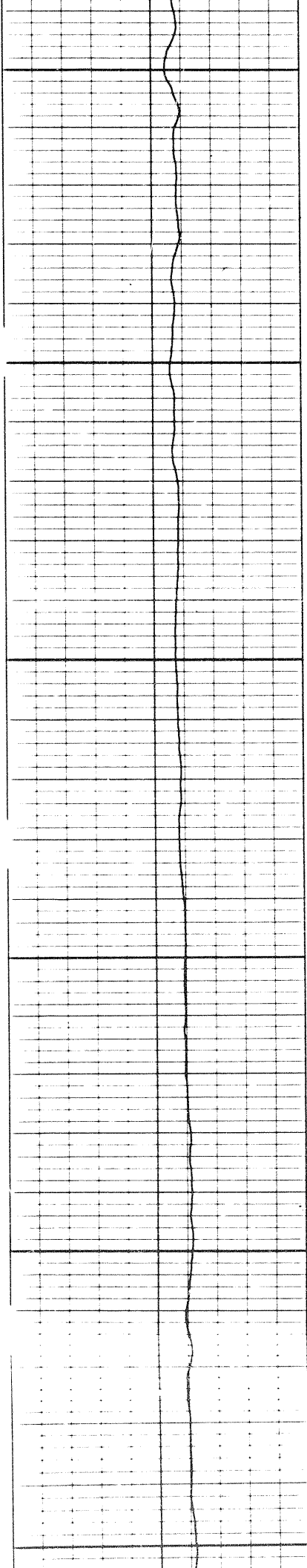
8400

8500

8600

26 of

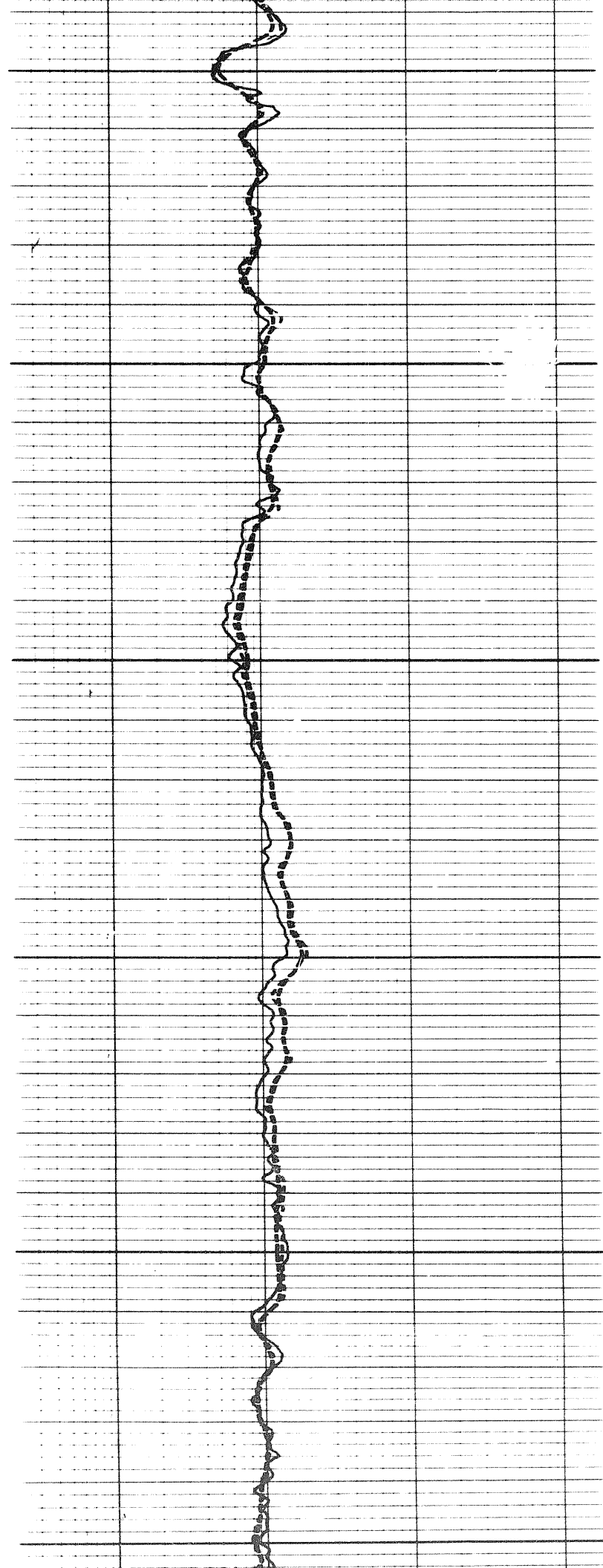




8700

0088

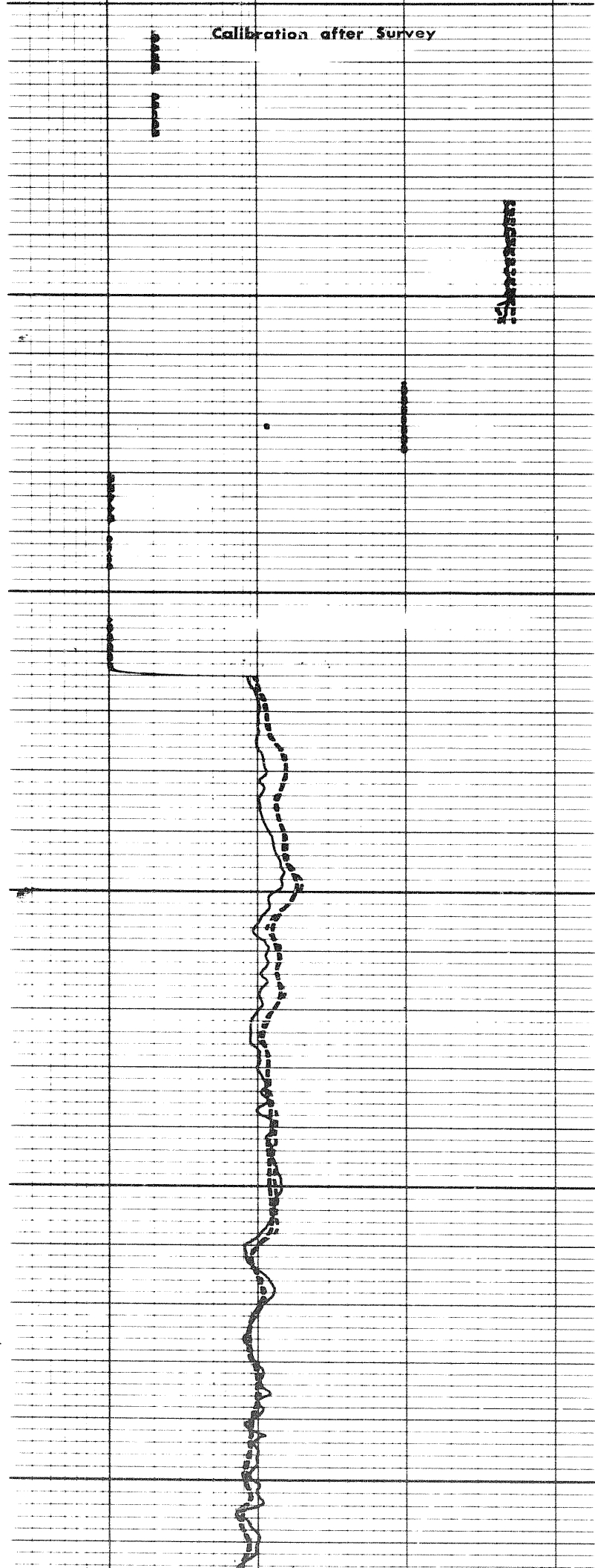
8500



Calibration after Survey

8800

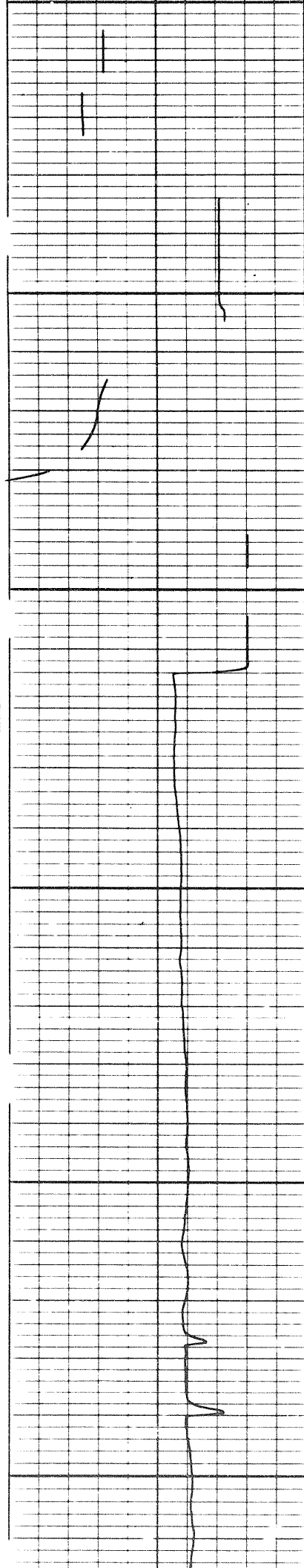
8700



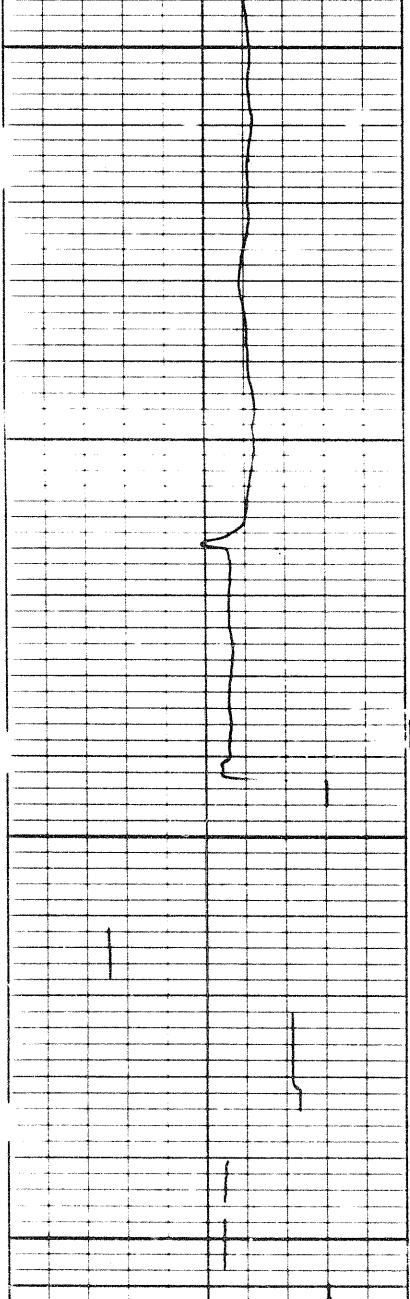
8700

8800

8900



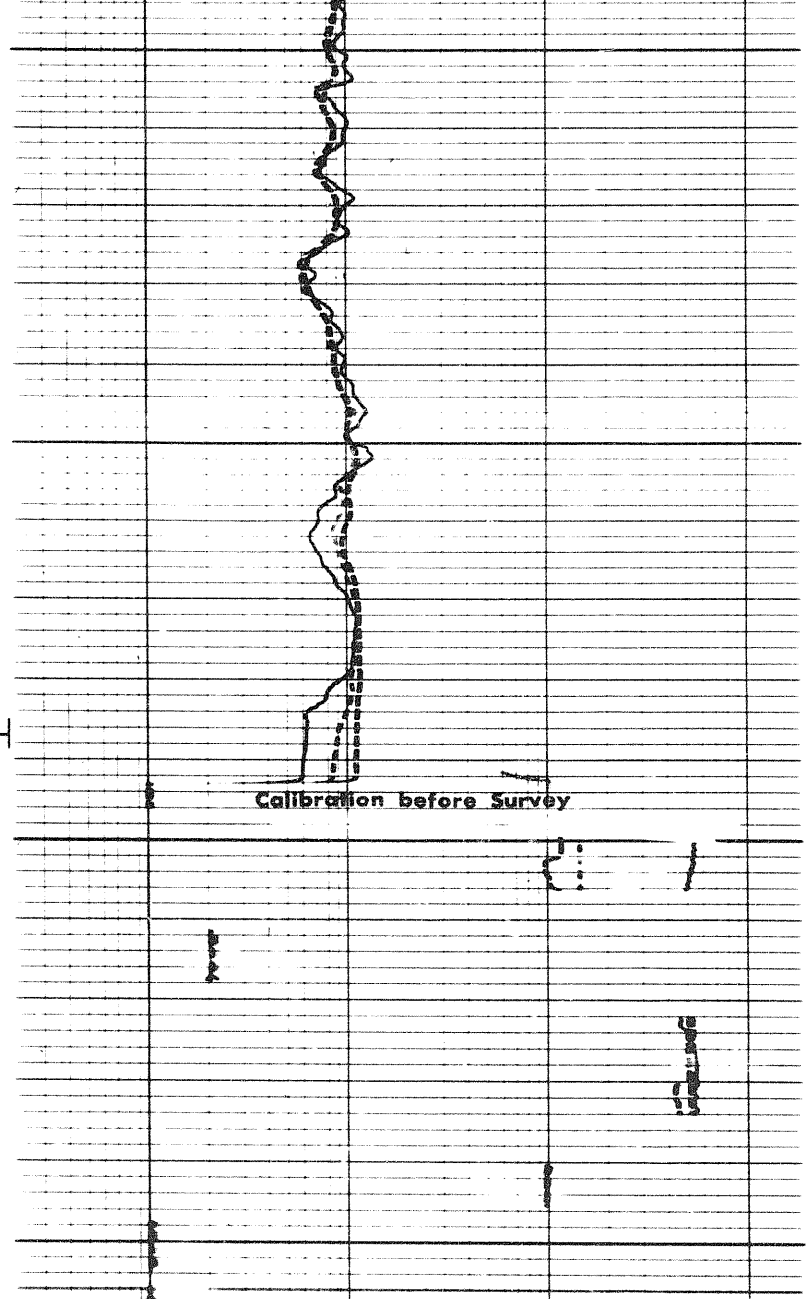
2794



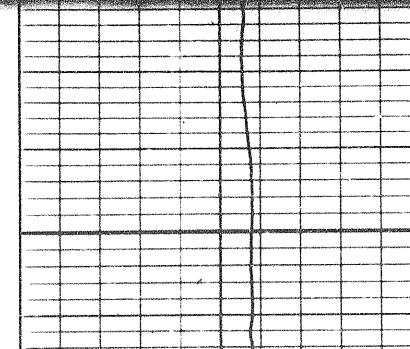
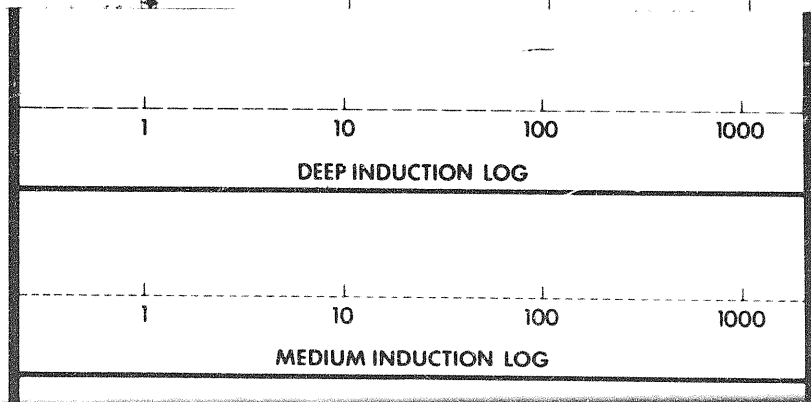
0.068

FR

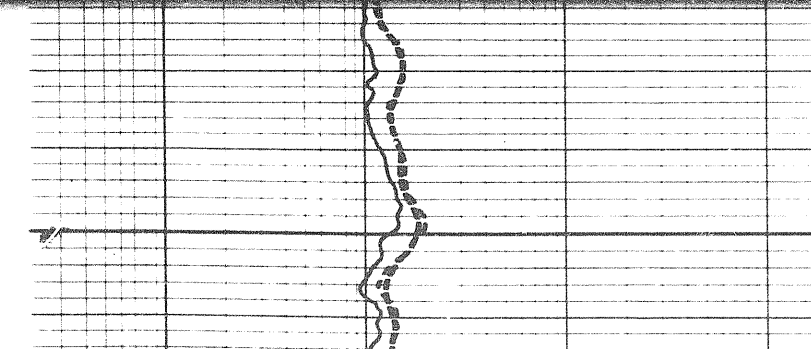
0006

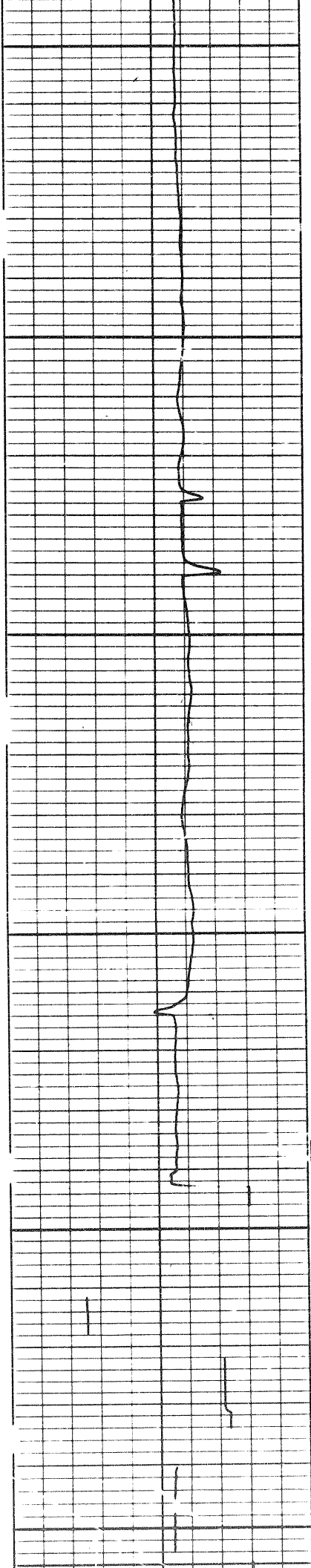


Calibration before Survey



0088



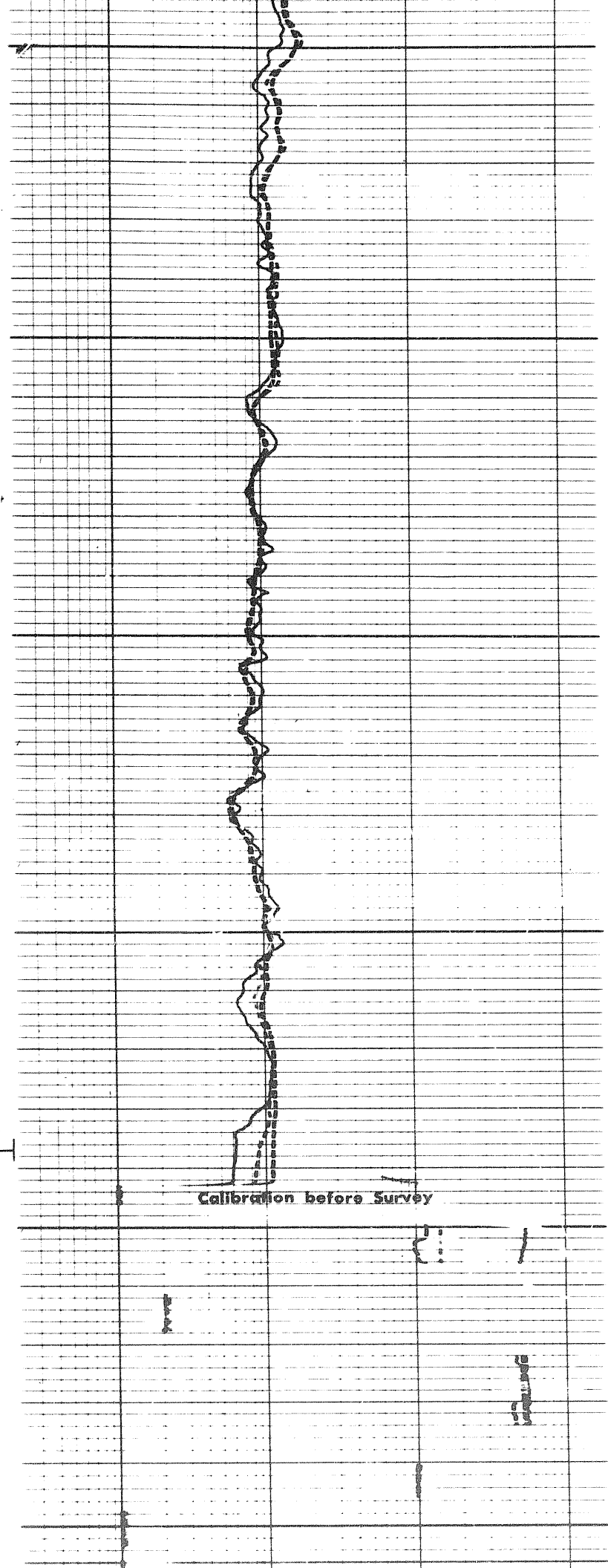


0068

0068

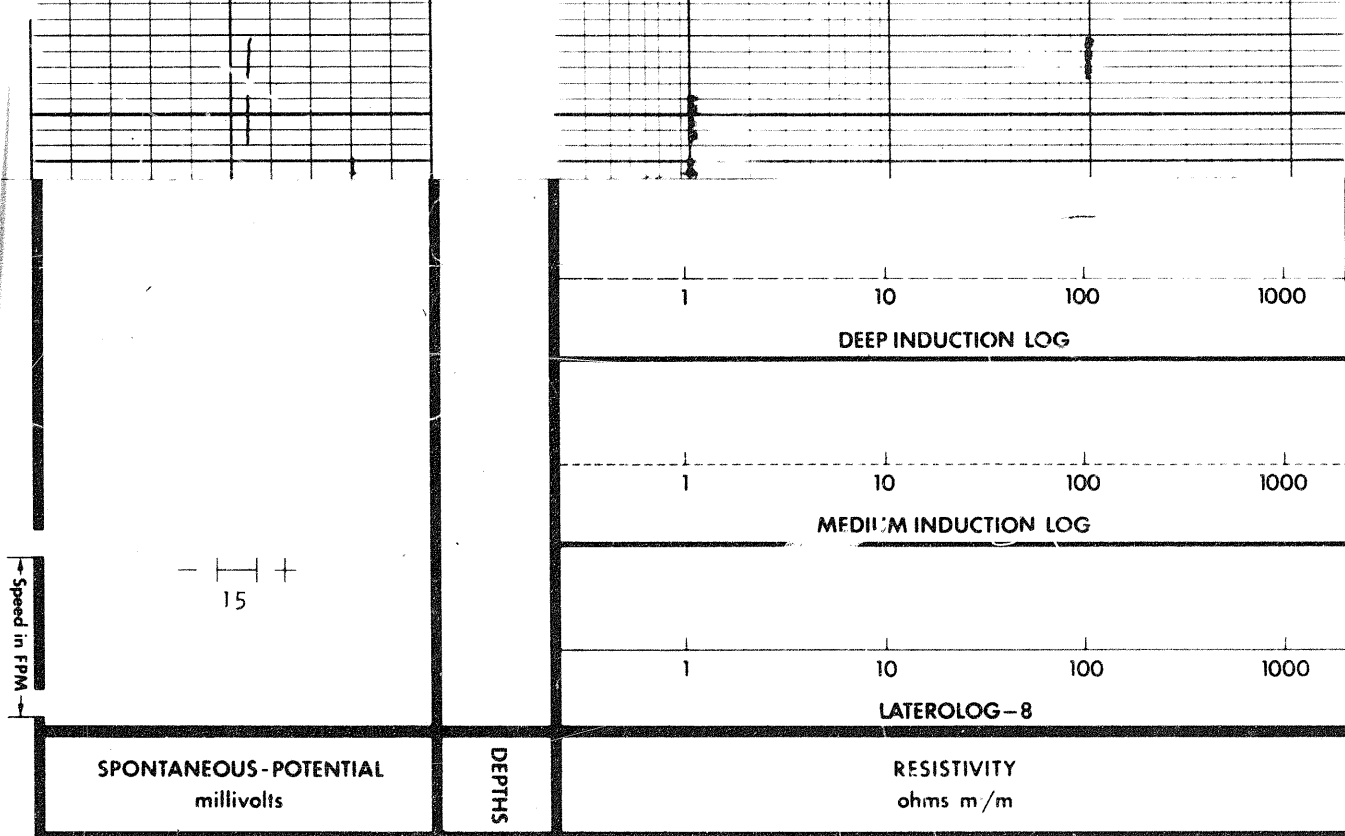
FR

0068

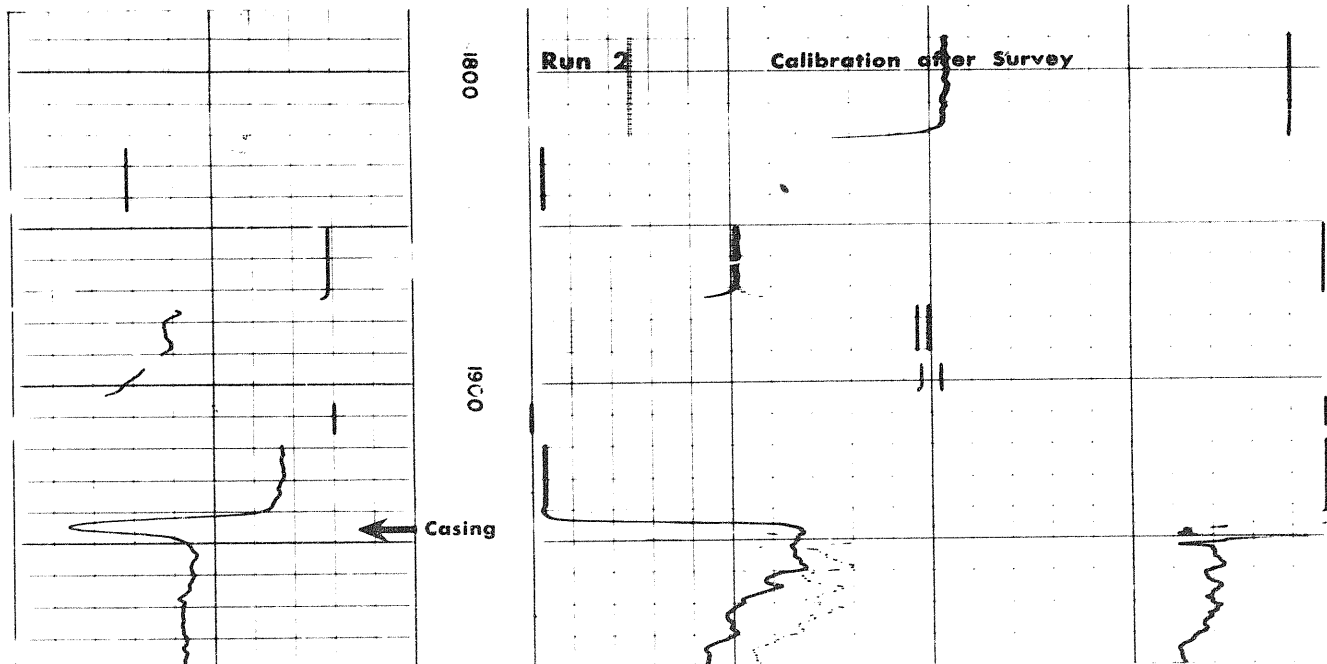


Calibration before Survey

28928



OVERLAP



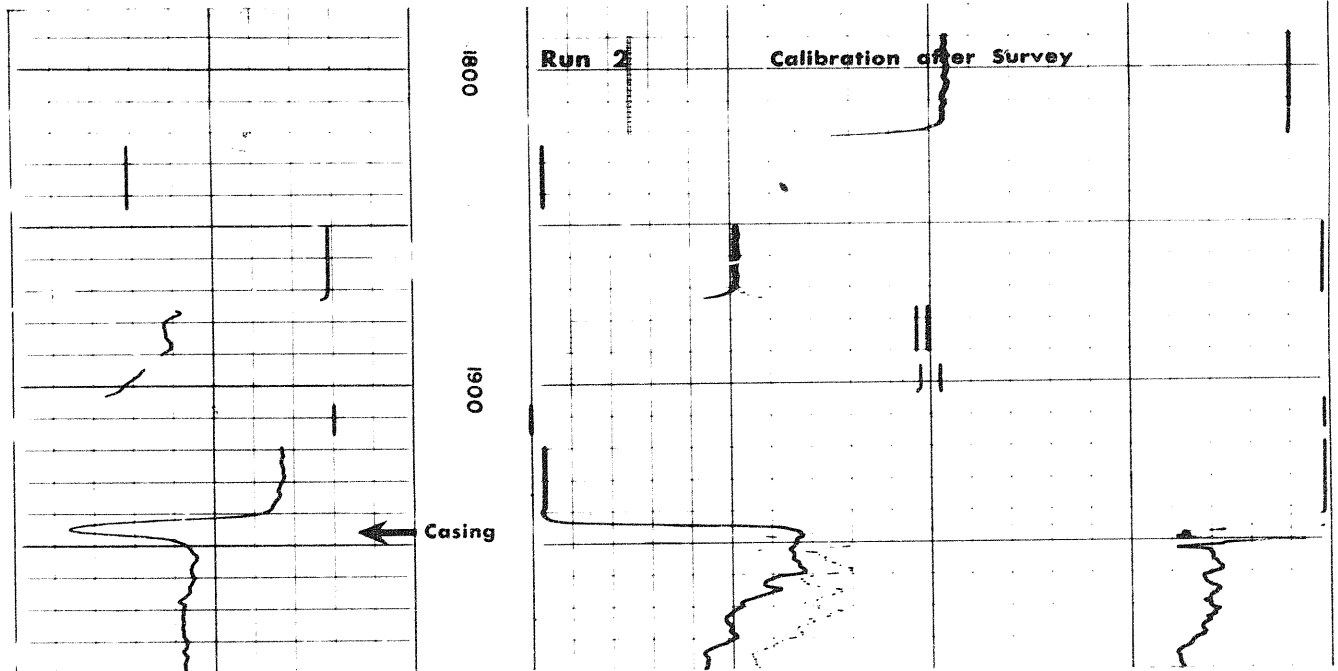
OVERLAP

millivolts

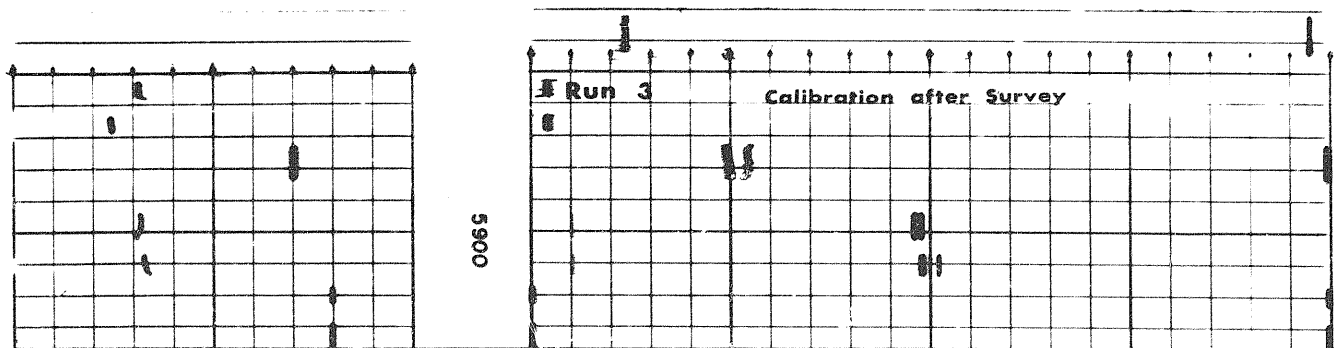
PHS

ohms m/m

OVERLAP



OVERLAP



COMPANY PACIFIC PETROLEUMS LTD.

WELL PACIFIC IMP ET AL ROLAND BAY YT L-41

FIELD WILDCAT PROVINCE YUKON TERRITORY

