263

# SCHLUMBERGER

# BOREHOLE COMPENSATED SONIC LOG (WITH CALIPER)

COMPANY Shell Oil Company

CONFIDENTIAL

WELL Shell-Trambitas 1-28 (Strat test 14)

FIELD Ocean City Area

COUNTY Grays Harbor STATE Washington

COUNTY / FIELD or LOCATION / WELL / COMPANY

LOCATION NE/4, SE/4 of

Sec. 28 Twp. 19N Rge. 12W

Other Services:

Permanent Datum: GL, Elev. 12

Log Measured From KB, 12 Ft. Above Perm. Datum

Drilling Measured From KB

Elev.: K.B. 24

D.F.

G.L. 12

| | | | | |
|---|---|---|---|---|
| Date | 5-29-70 | | | |
| Run No. | 1 | | | |
| Depth—Driller | 3111 | | | |
| Depth—Logger | 3120 | | | |
| Btm. Log Interval | 3119 | | | |
| Top Log Interval | 1035 | | | |
| Casing—Driller | 9 5/8 @ 1035 | @ | @ | @ |
| Casing—Logger | 1035 | | | |
| Bit Size | 8 3/4 | | | |
| Type Fluid in Hole | Fresh Lignosulfate | | | |
| Dens. / Visc. | 10.3 / 55 | | | |
| pH / Fluid Loss | 10 / 9.4 ml | ml | ml | ml |
| Source of Sample | Circulated | | | |
| $R_m$ @ Meas. Temp. | 4.11 @ 63 °F | @ °F | @ °F | @ °F |
| $R_{mf}$ @ Meas. Temp. | 2.26 @ 63 °F | @ °F | @ °F | @ °F |
| $R_{mc}$ @ Meas. Temp. | 5.87 @ 63 °F | @ °F | @ °F | @ °F |
| Source: $R_{mf}$ $R_{mc}$ | M M | | | |
| $R_m$ @ BHT | @ 105 °F | @ °F | @ °F | @ °F |
| Time Since Circ. | 4 | | | |
| Max. Rec. Temp. | 105 °F | °F | °F | °F |
| Equip. / Location | 3716 / SAC | | | |
| Recorded By | Andersen | | | |
| Witnessed By | Dyer | | | |

SWS—1384-C

The well name, location and borehole reference data were furnished by the customer.

FOLD HERE

REMARKS

Changes in Mud Type or Additional Samples

| Date | Sample No. | Depth—Driller | Type Fluid in Hole | Dens. / Visc. | ph / Fluid Loss | Source of Sample | $R_m$ @ Meas. Temp. | $R_{mf}$ @ Meas. Temp. | $R_{mc}$ @ Meas. Temp. | Source: $R_{mf}$ $R_{mc}$ | $R_m$ @ BHT | $R_{mf}$ @ BHT | $R_{mc}$ @ BHT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | ml | | @ °F | @ °F | @ °F | | @ °F | @ °F | @ °F |

Scale Changes

| Type Log | Depth | Scale Up Hole | Scale Down Hole |
|---|---|---|---|
| | | | |

Equipment Data

| Run No. | Tool Type | Tool Position | Other |
|---|---|---|---|
| 1 | BHC | Centered | |

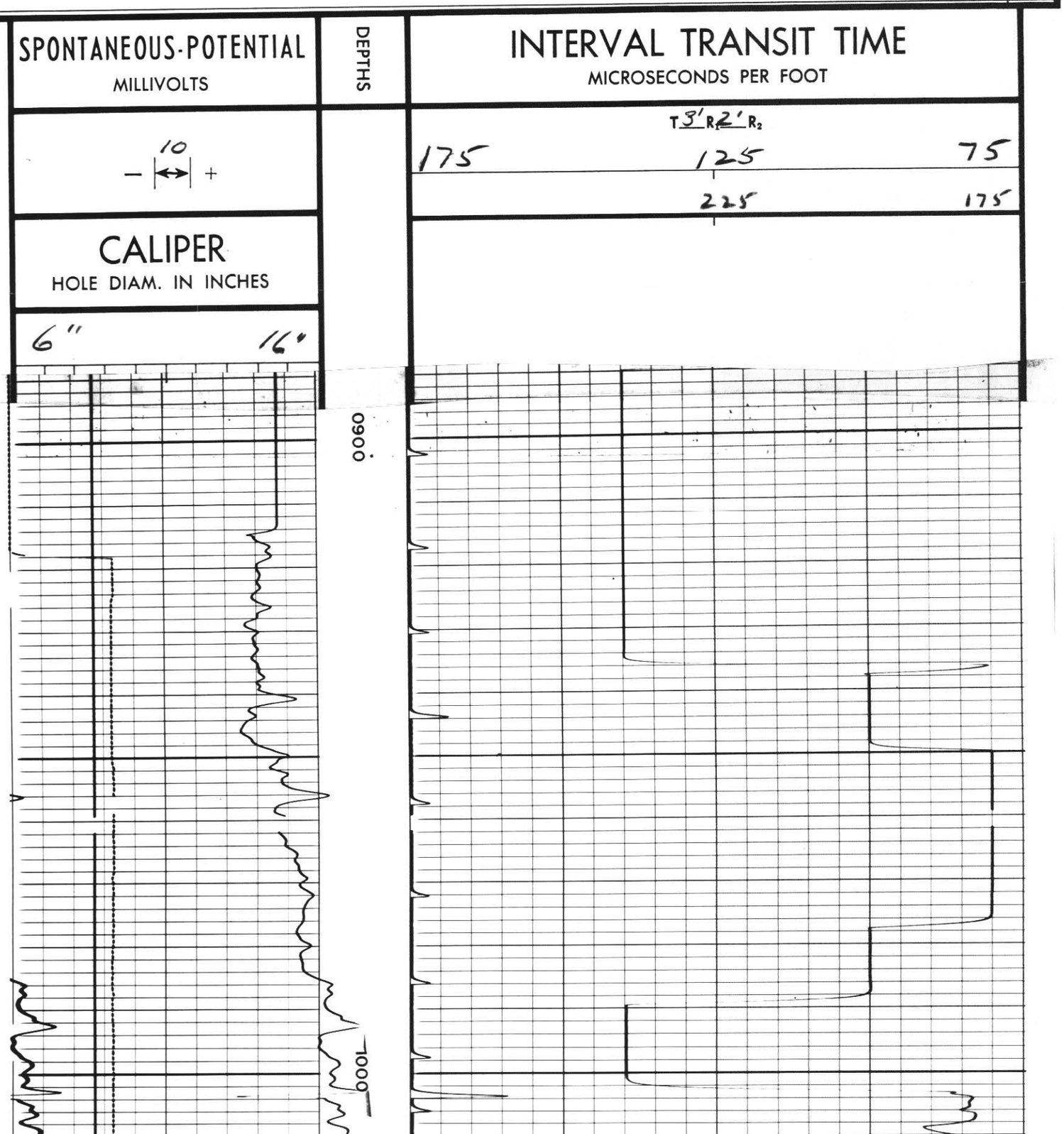
C.D.: Usual S.O.:

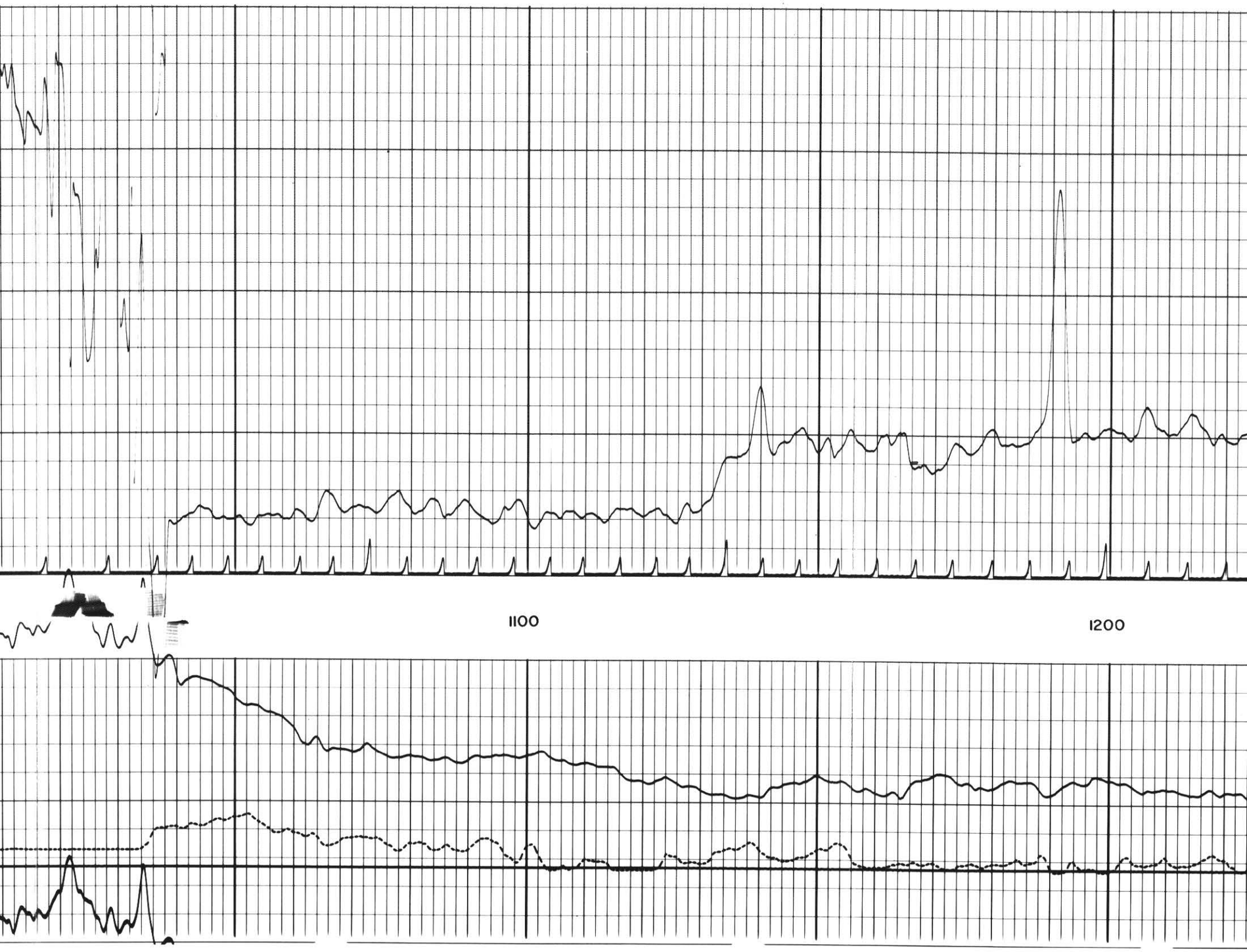
Equip. Used: CART. No. A 61

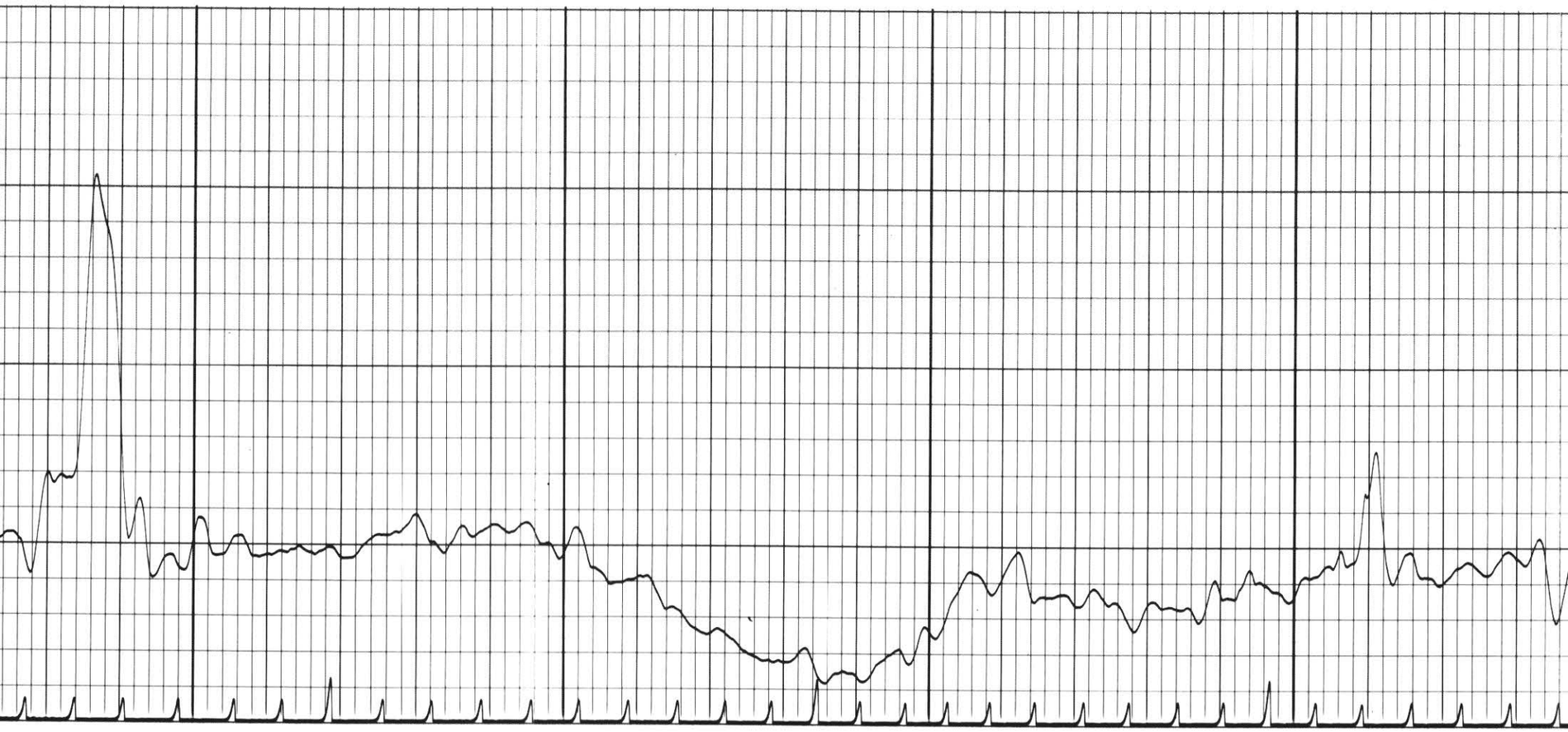
PANEL No. A 52

SONDE No. A 32

$$\text{Velocity (feet per second)} = \frac{1{,}000{,}000}{\text{Interval Transit Time (microseconds per foot)}}$$

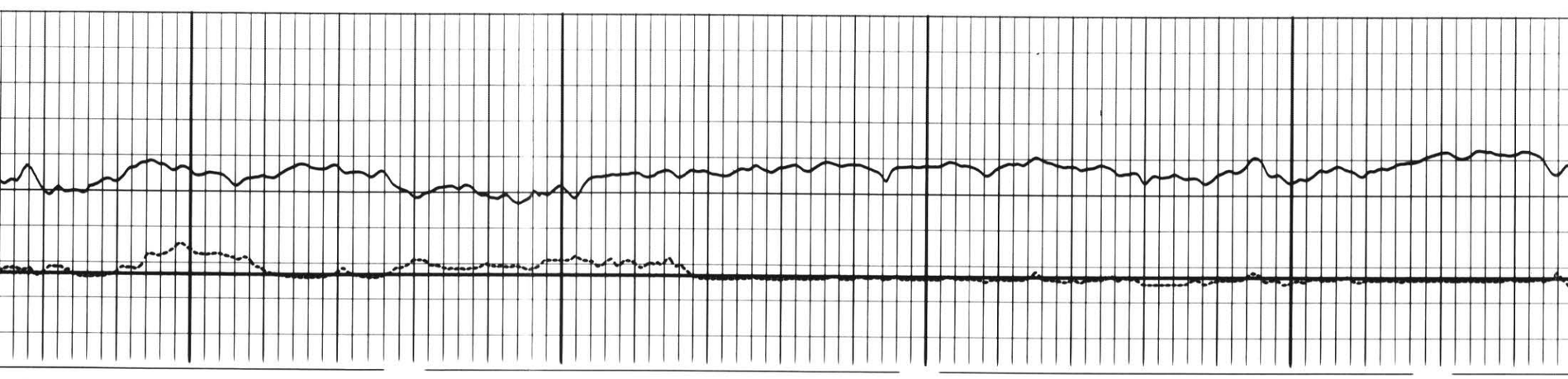


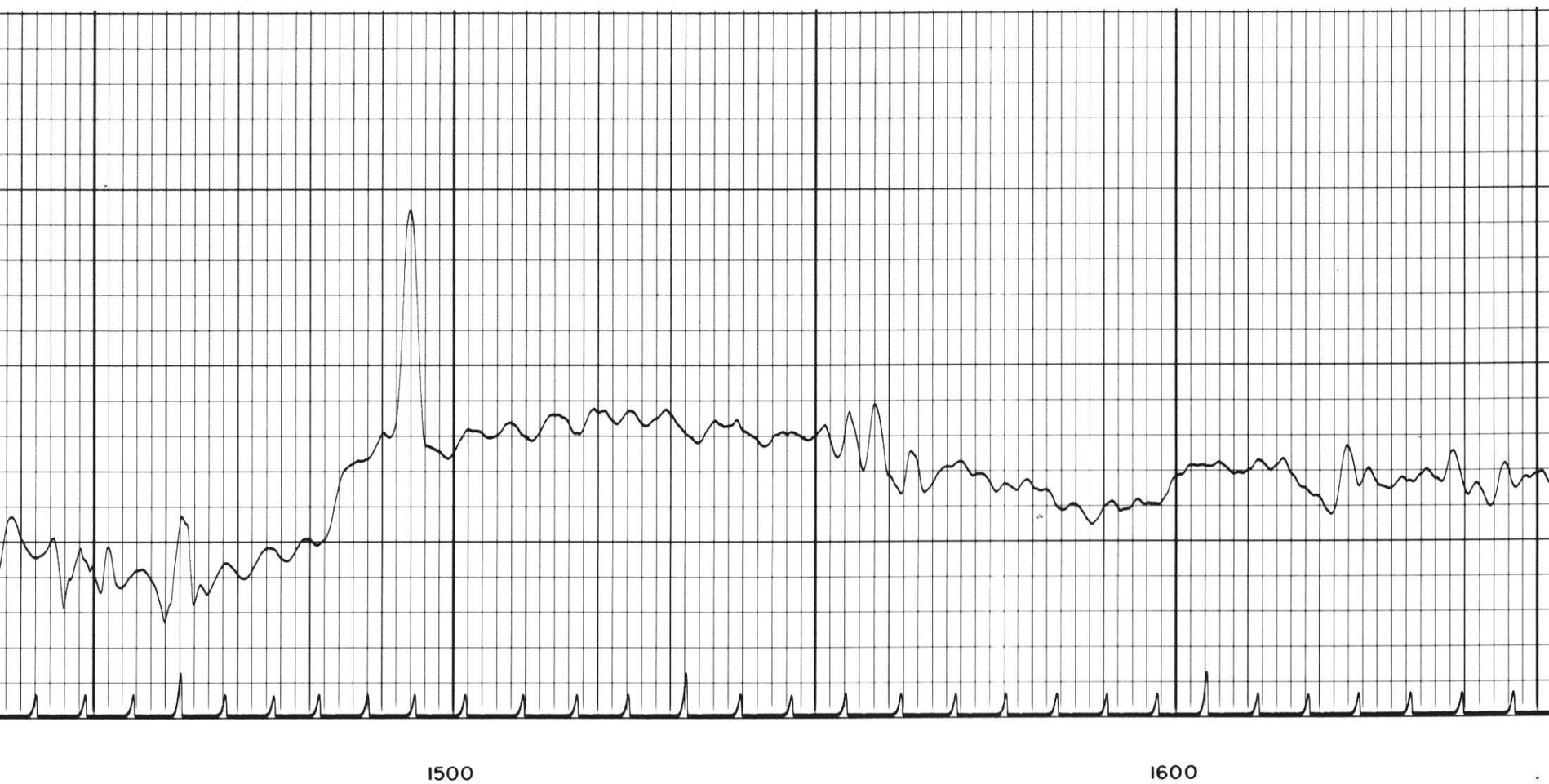

1100
1200



1300

1400

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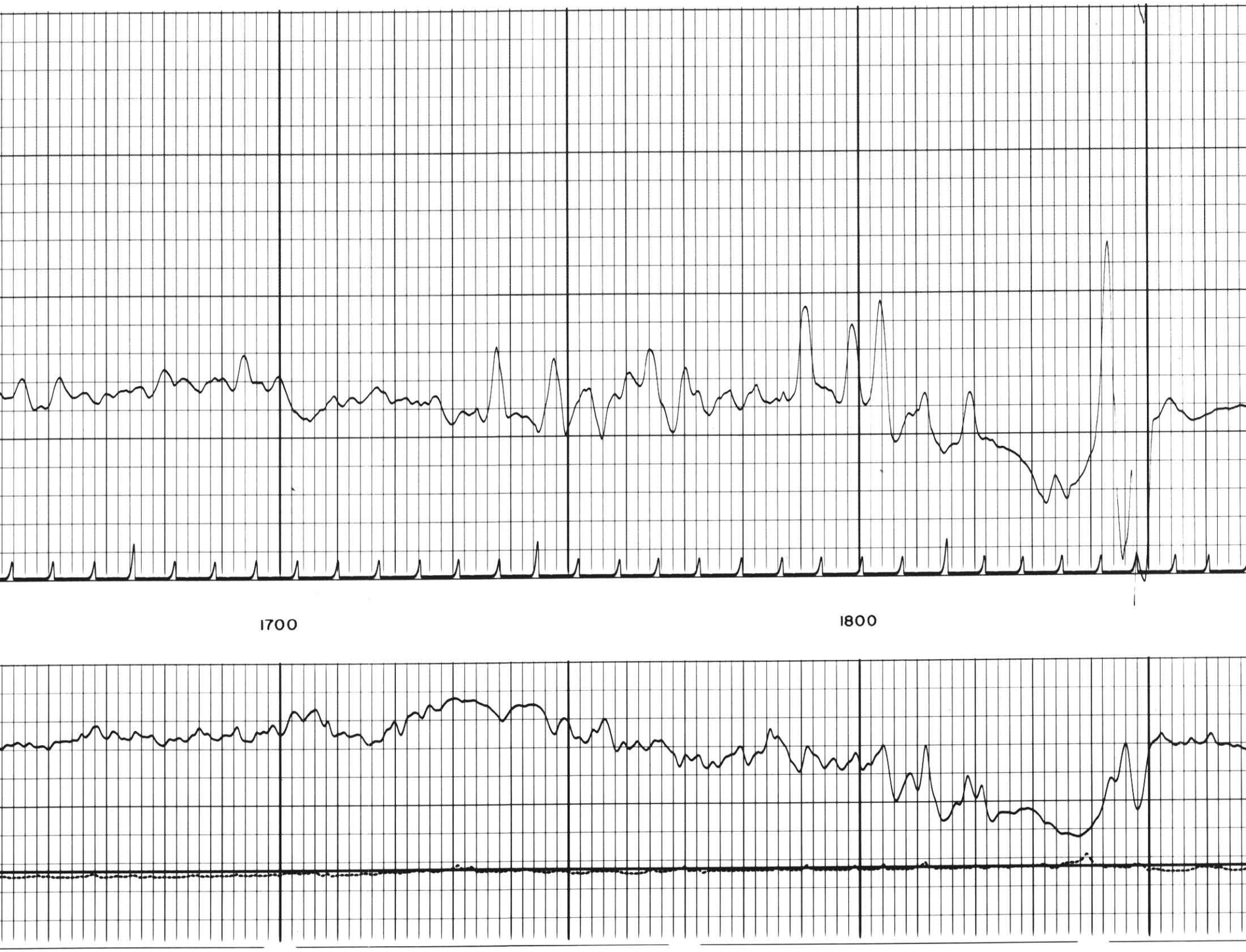
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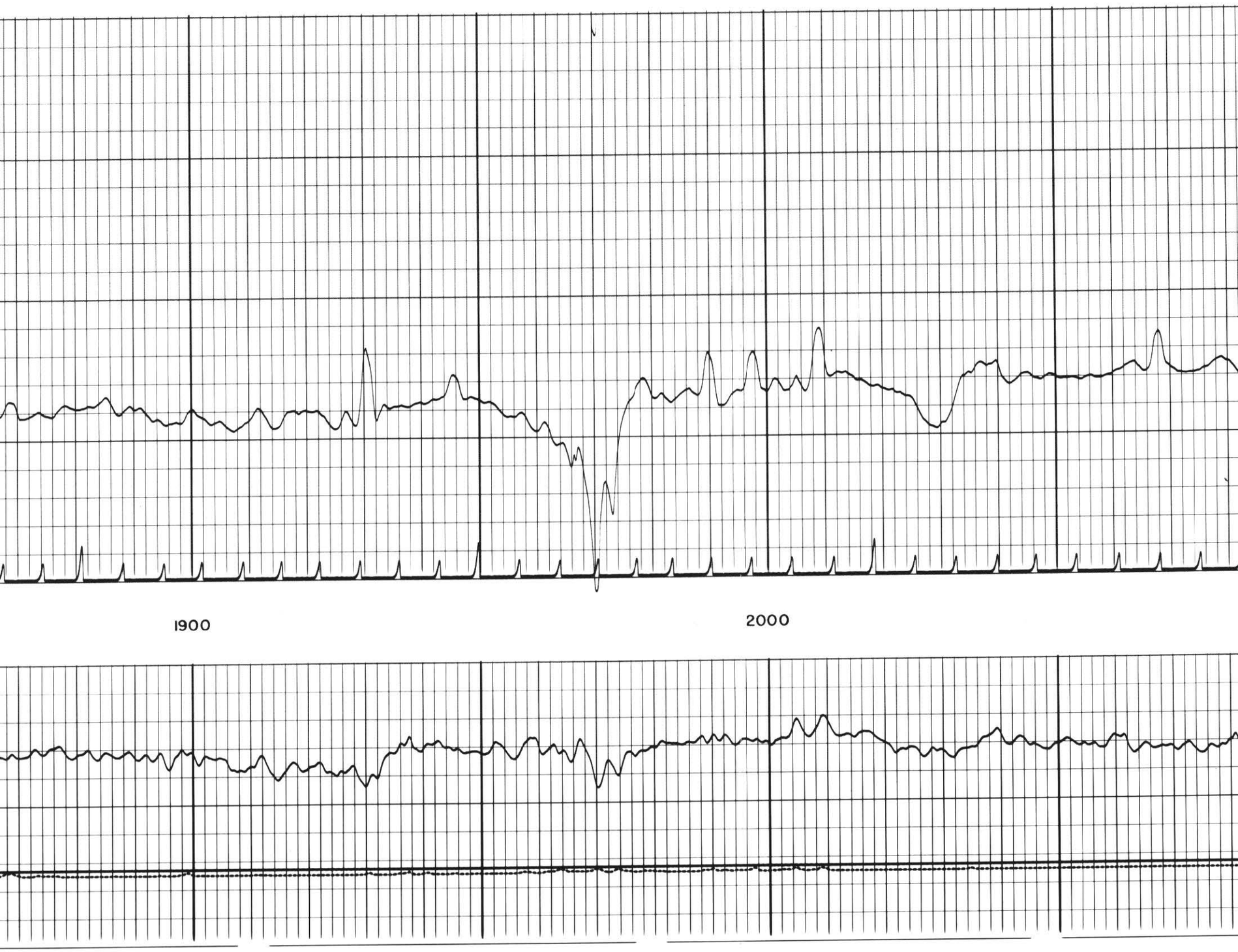
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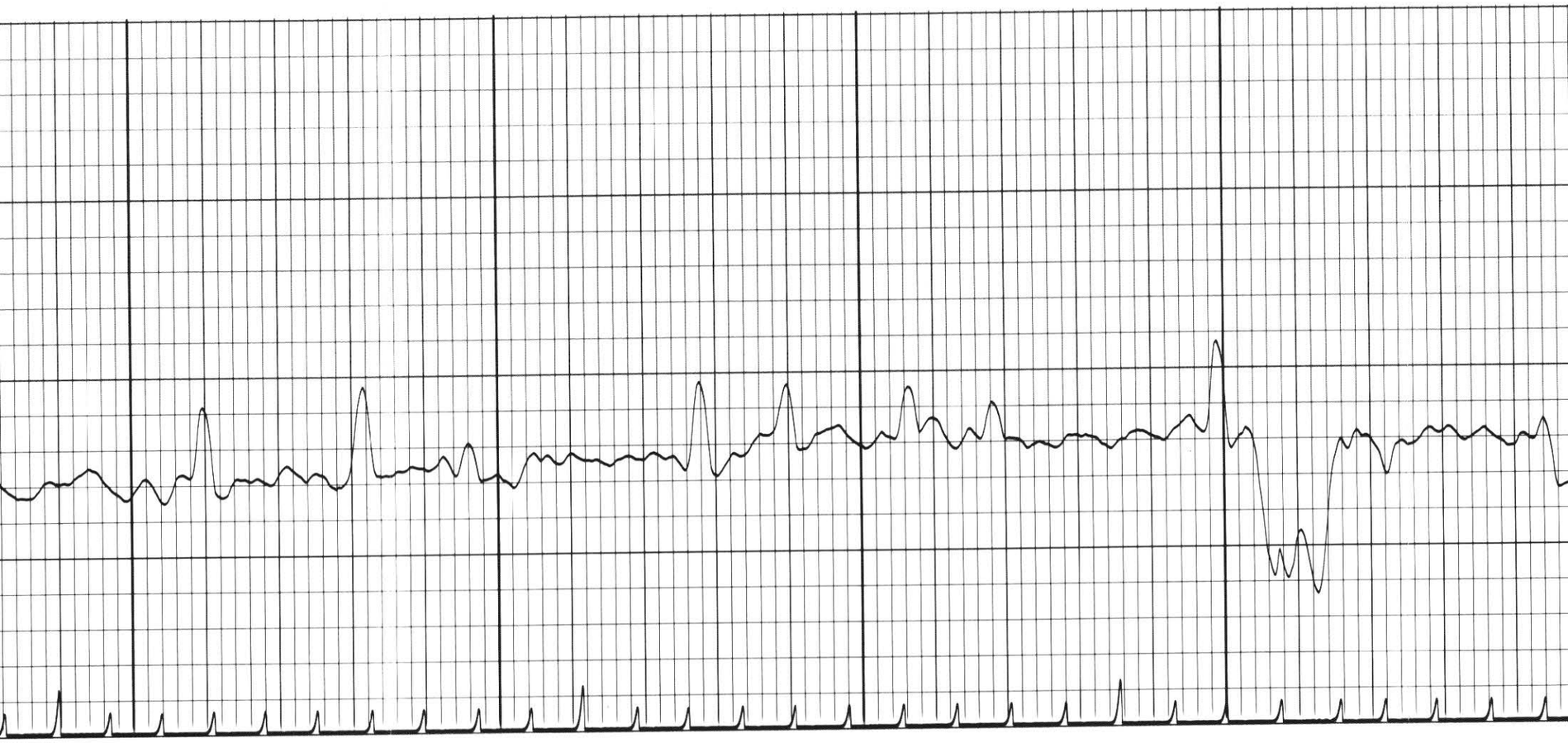
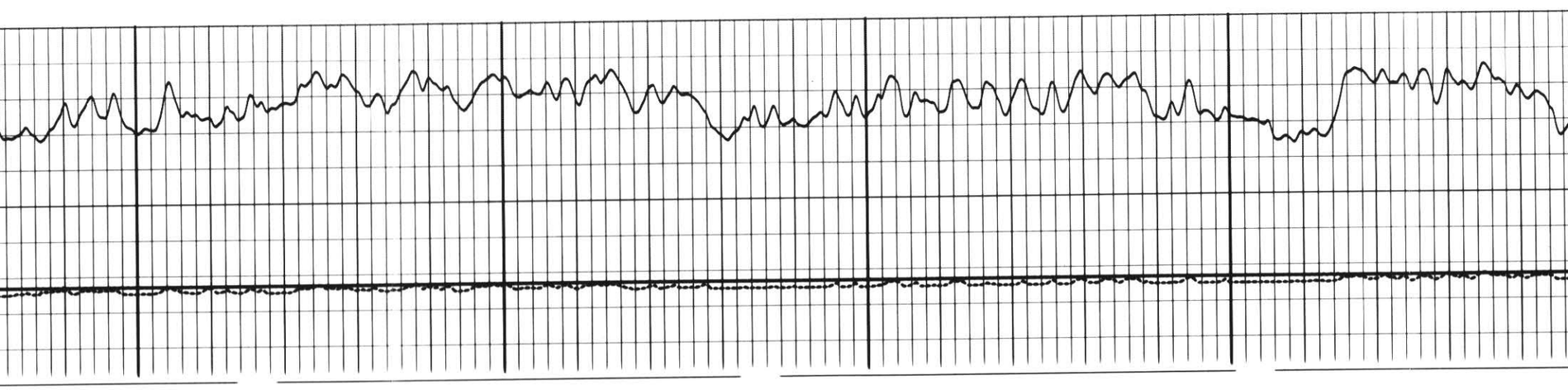


2100 2200



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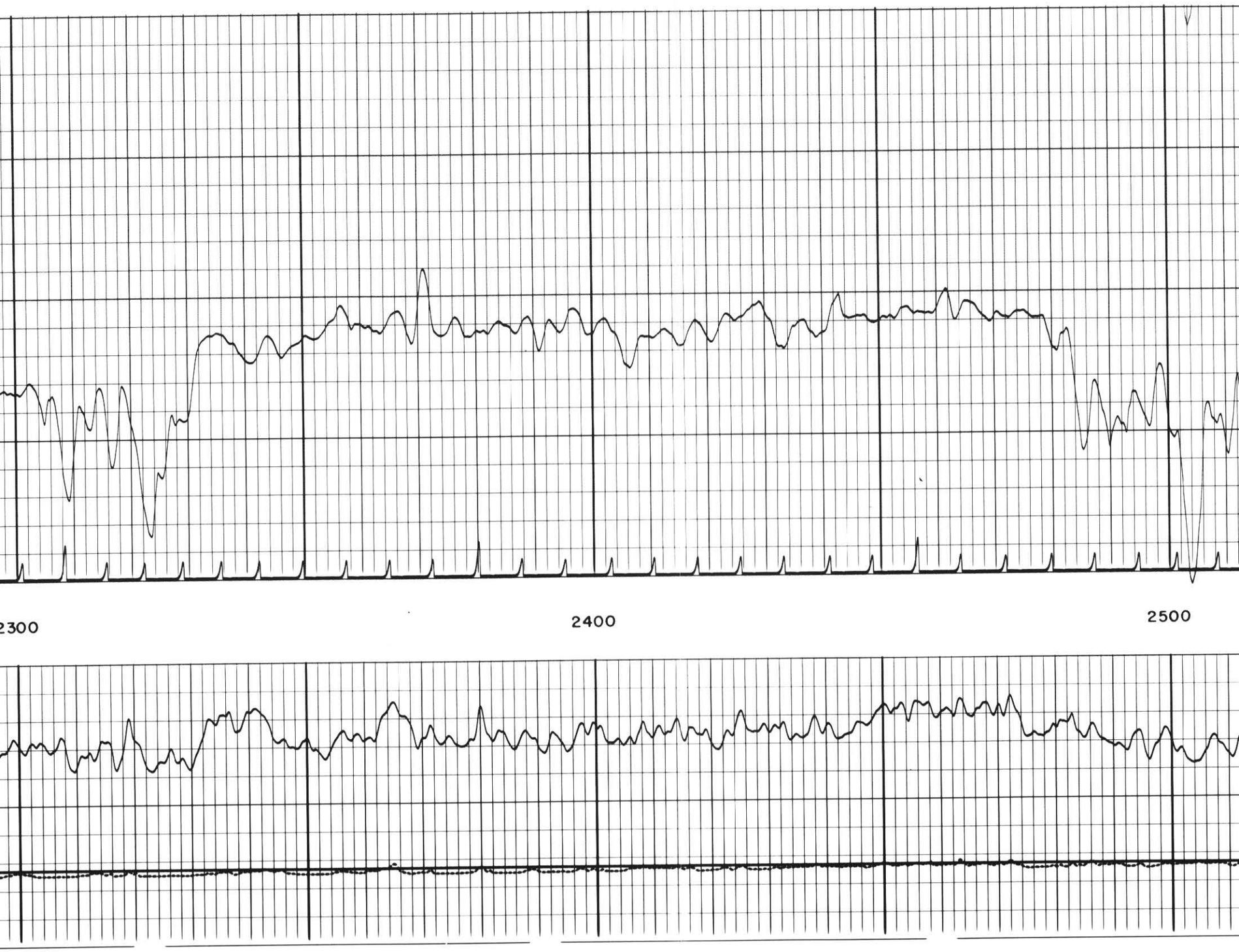
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2400
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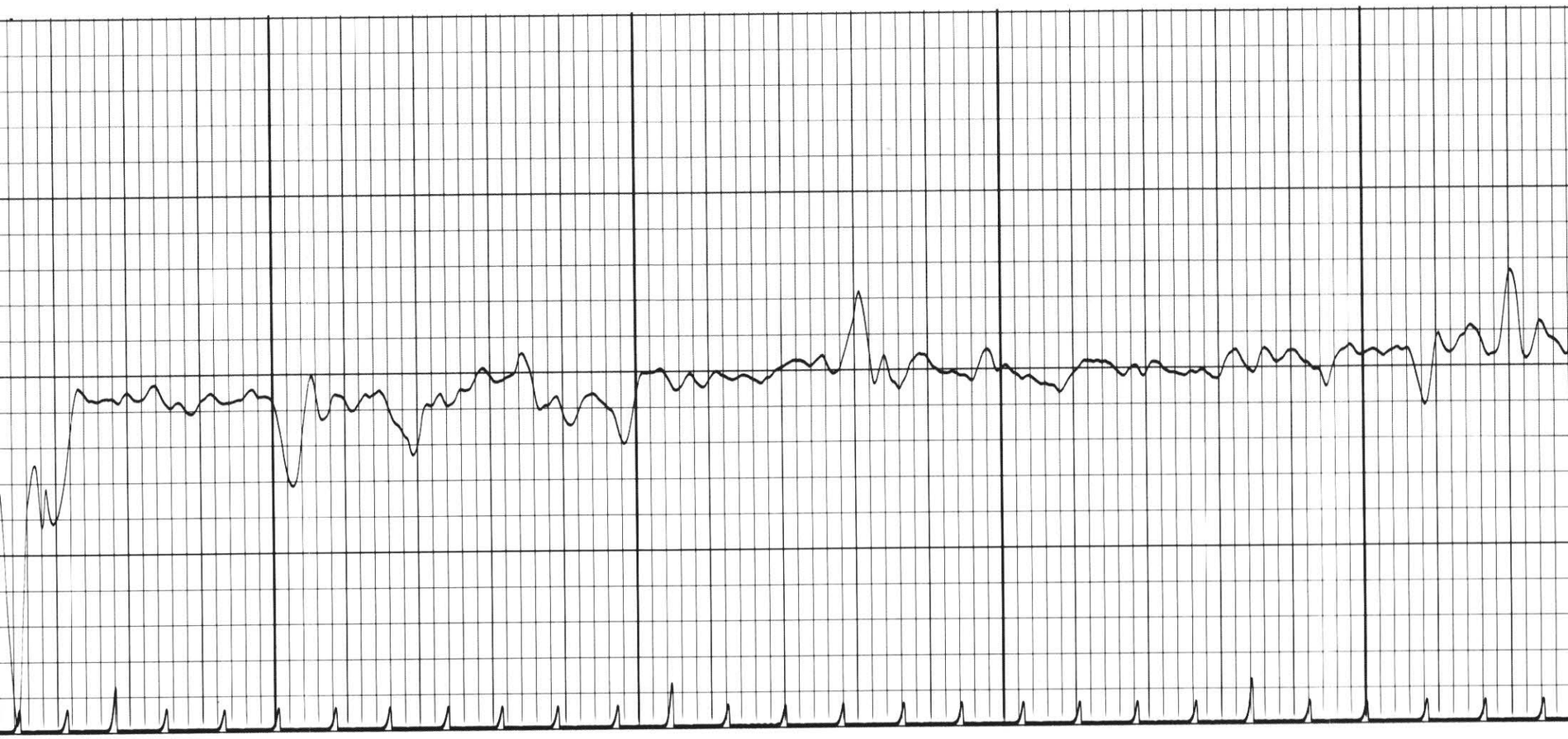

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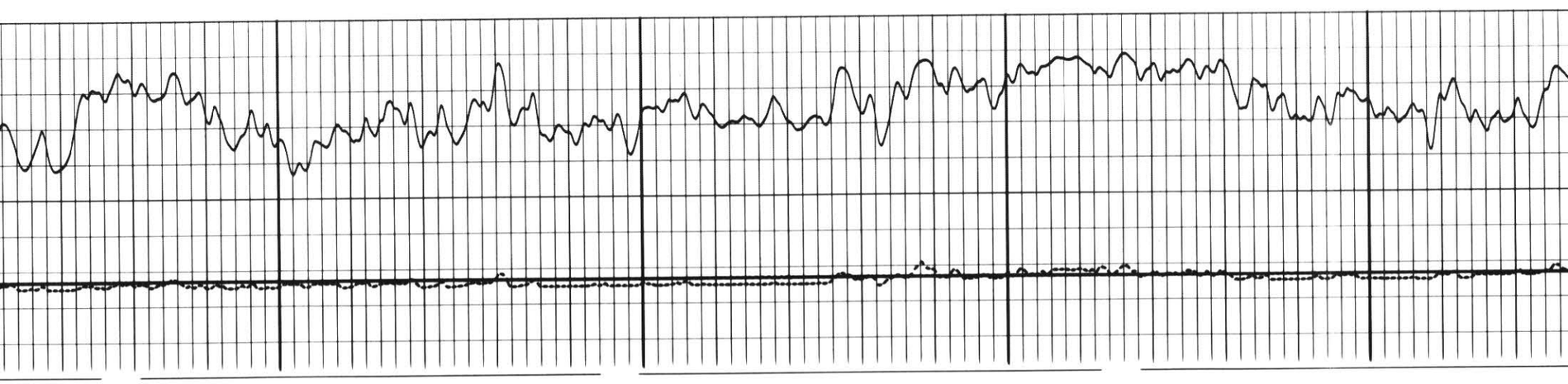
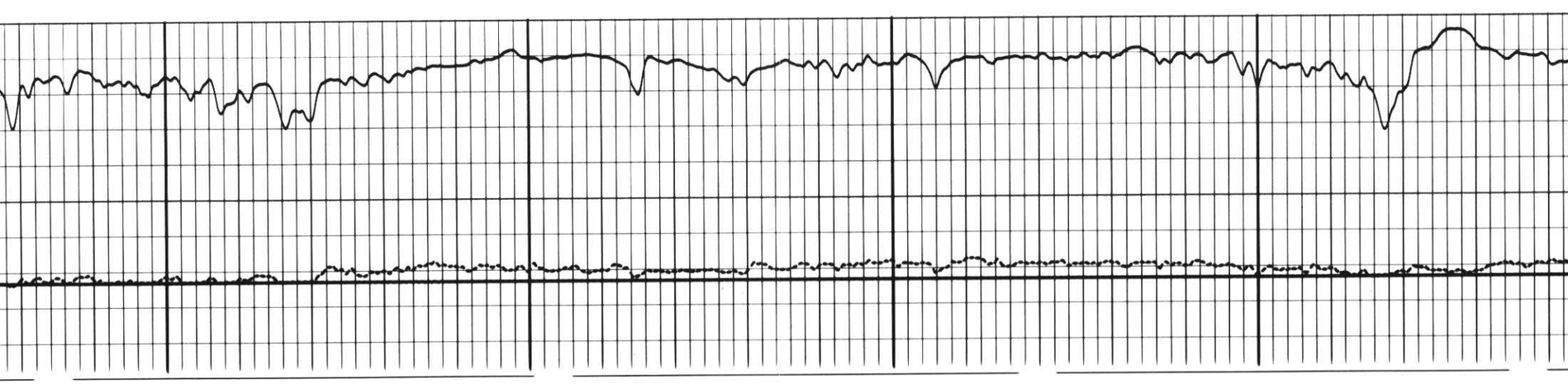
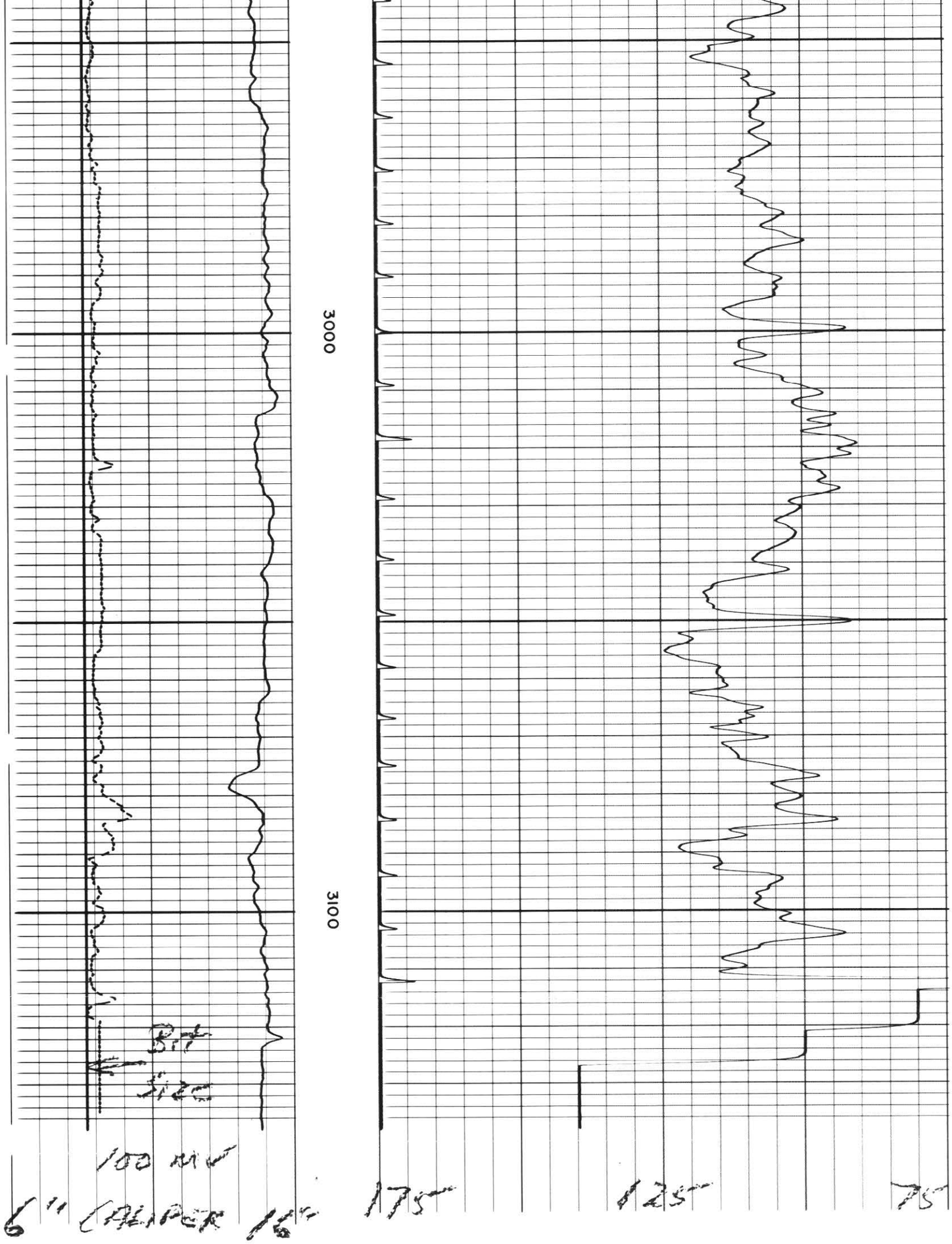
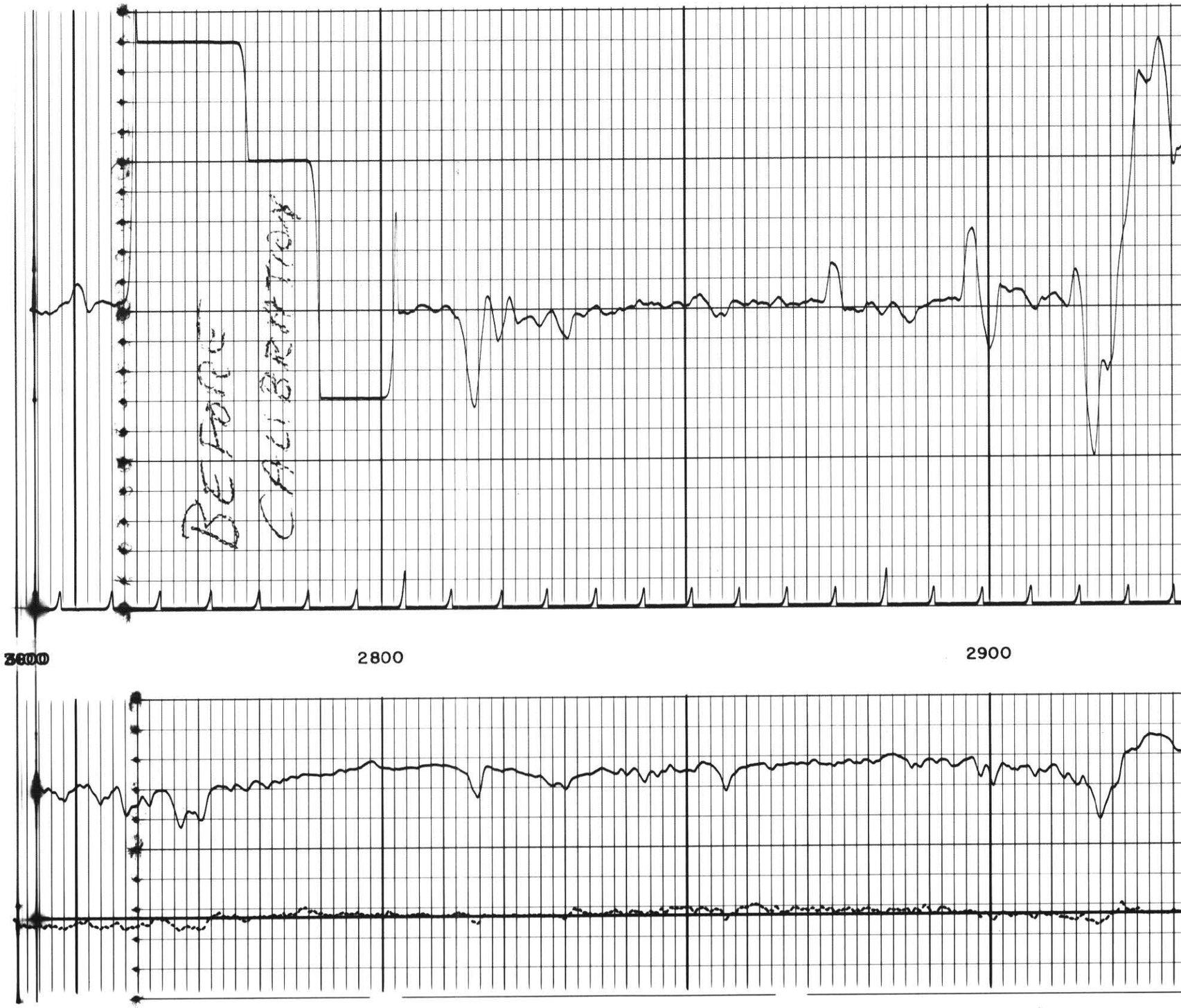


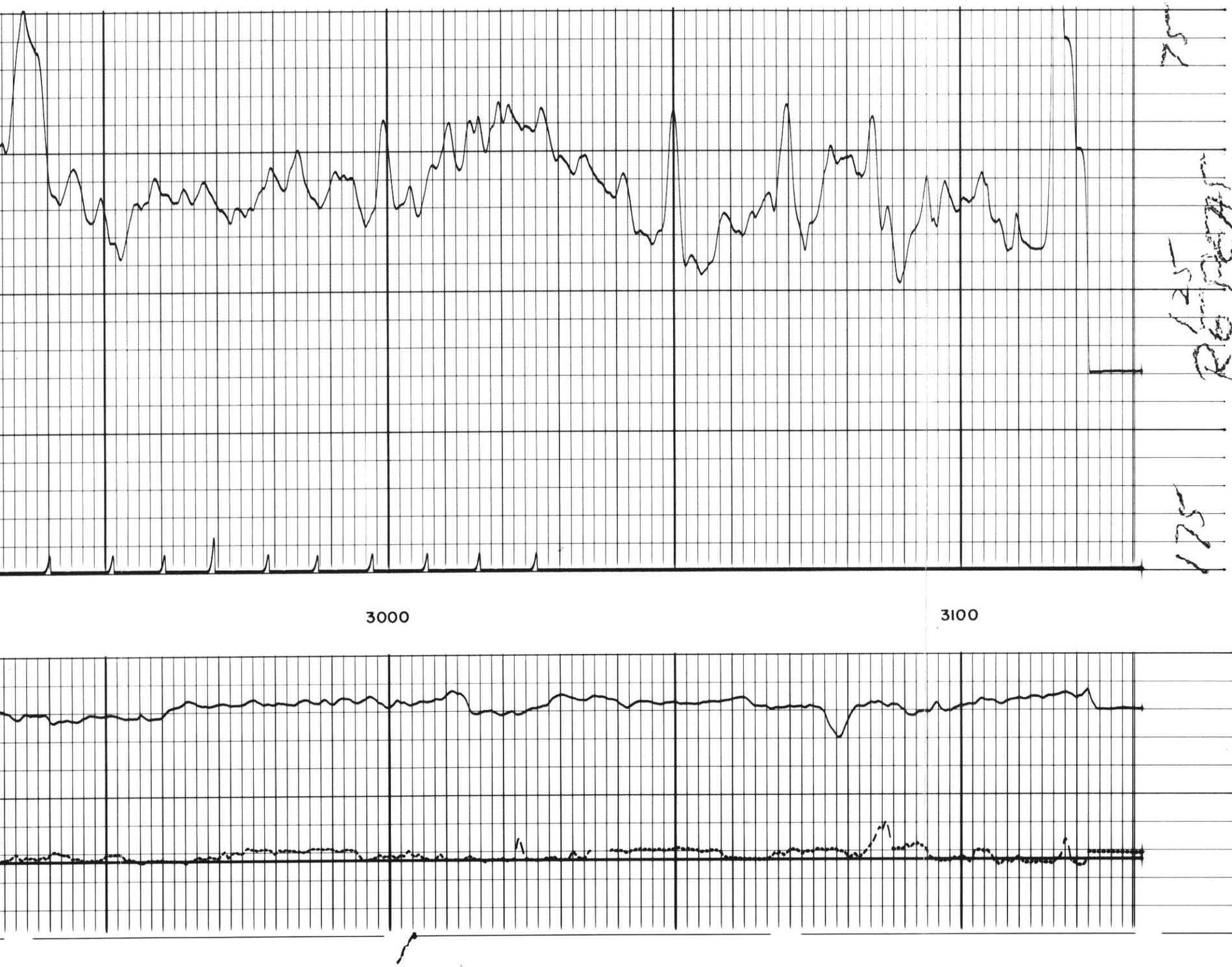
2800

2900




3000
3100
Bit Size
100 mV
6" CALIPER 16"
175
125
75


BEFORE
CALIBRATION
2800
2900


3000
3100

CSG CHECK
12"
6"