Schlumberger

BOREHOLE COMPENSATED SONIC LOG (WITH CALIPER)

COUNTY KITSAP
FIELD or LOCATION WILDCAT
WELL KINGSTON NO. 1
COMPANY MOBIL OIL CORP.

COMPANY MOBIL OIL CORPORATION
#269

WELL KINGSTON NO. 1 (BALLOON SCALE)

FIELD WILDCAT

COUNTY KITSAP STATE WASHINGTON

LOCATION 360' SOUTH AND 330' WEST FROM NORTHEAST CORNER

Sec. 26 Twp. 27N Rge. 2E

Other Services: IES, FDC, SNP, HDT, T, ST

Permanent Datum: GL, Elev. 283
Log Measured From KB 20.7 Ft. Above Perm. Datum
Drilling Measured From KB

Elev.: K.B. 303.7
D.F.
G.L. 283.0

Date	2-24-72	3-13-72		
Run No.	ONE	TWO		
Depth—Driller	1509	5093		
Depth—Logger	1511	5094		
Btm. Log Interval	1500	5093		
Top Log Interval	566	1498		
Casing—Driller	20" @ 268	13 3/8" @ 1492	@	@
Casing—Logger	566	1498		
Bit Size	12 1/4"	12 1/4"		
Type Fluid in Hole	FWG-LIGNO	FWG		
Dens. / Visc.	74 / 50	94.5 / 51		
pH / Fluid Loss	10.0 / 9.0 ml	9.5 / 5.0 ml	ml	ml
Source of Sample	CIRCULATED	CIRCULATED		
R_m @ Meas. Temp.	5.70 @ 70 °F	0.64 @ 62 °F	@ °F	@ °F
R_{mf} @ Meas. Temp.	5.30 @ 60 °F	0.43 @ 62 °F	@ °F	@ °F
R_{mc} @ Meas. Temp.	6.20 @ 60 °F	1.10 @ 62 °F	@ °F	@ °F
Source: R_{mf} / R_{mc}	M / M	M / M		
R_m @ BHT	4.40 @ 92 °F	0.40 @ 114 °F	@ °F	@ °F
Time Since Circ.	1 1/2 HOURS	6 HOURS		
Max. Rec. Temp.	92 °F	114 °F	°F	°F
Equip. / Location	C 346 / VTA	C 346 / VTA		
Recorded By	MONTGOMERY	MONTGOMERY		
Witnessed By	MR. SPRAGUE	MR. SPRAGUE		

SWS-1384-D

FOLD HERE

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

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

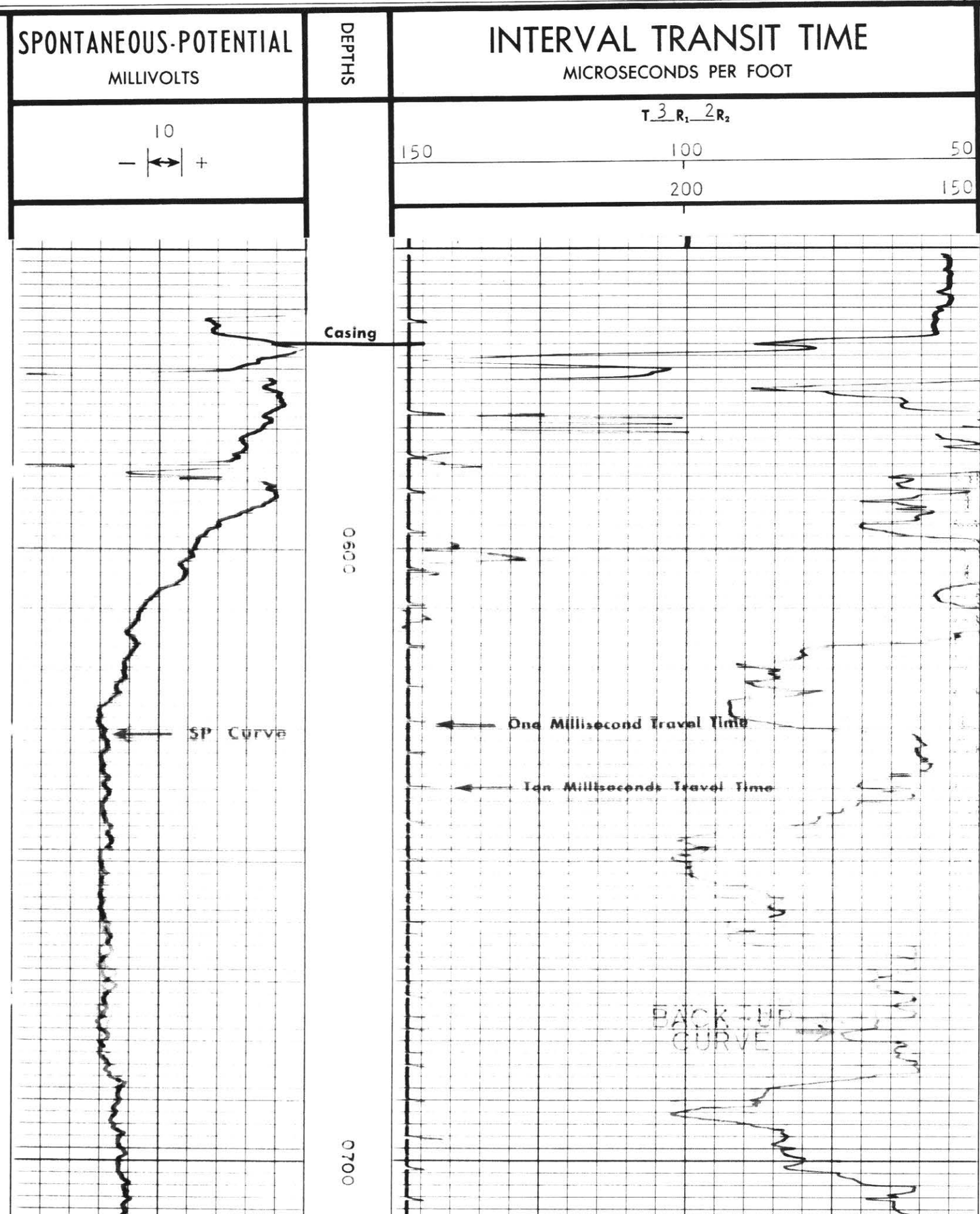
Run No.	Tool Type	Tool Position	Other
ONE	BHC	ECCENTERED	
TWO	BHC	CENTERED	

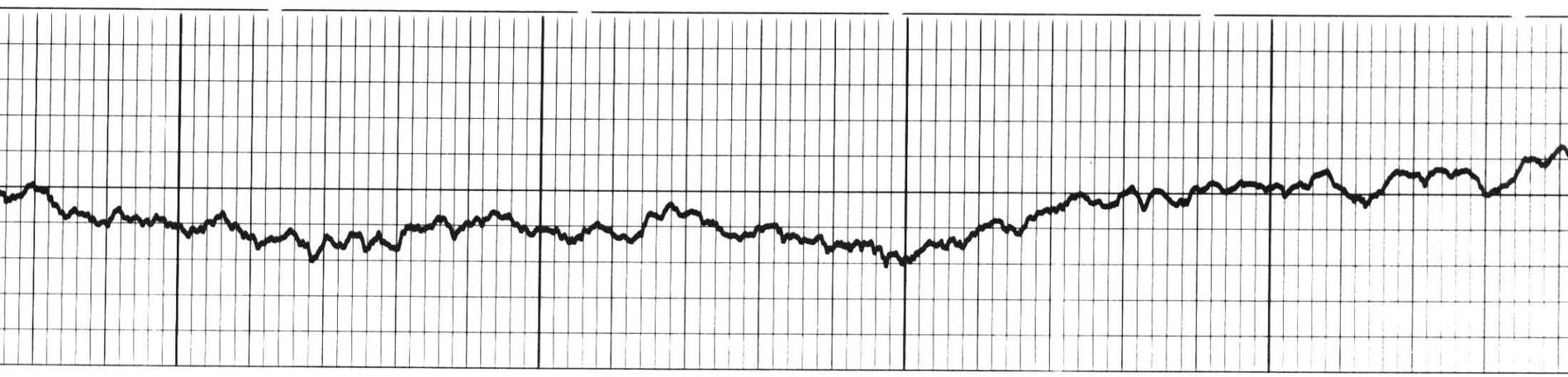
RUN ONE
TOOL X-CENTERED

RUN TWO

Equip. Used: CART. No.	SLC-A-293	SLC-A-212
PANEL No.	SLP-A-217	SLP-A-217
SONDE No.	SLS-D-512	SLS-D-280
CALIPER No.	VCD-D-949	VCD-D-948
MEMORY PANEL No.	MMP-B-262	MMP-B-249

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





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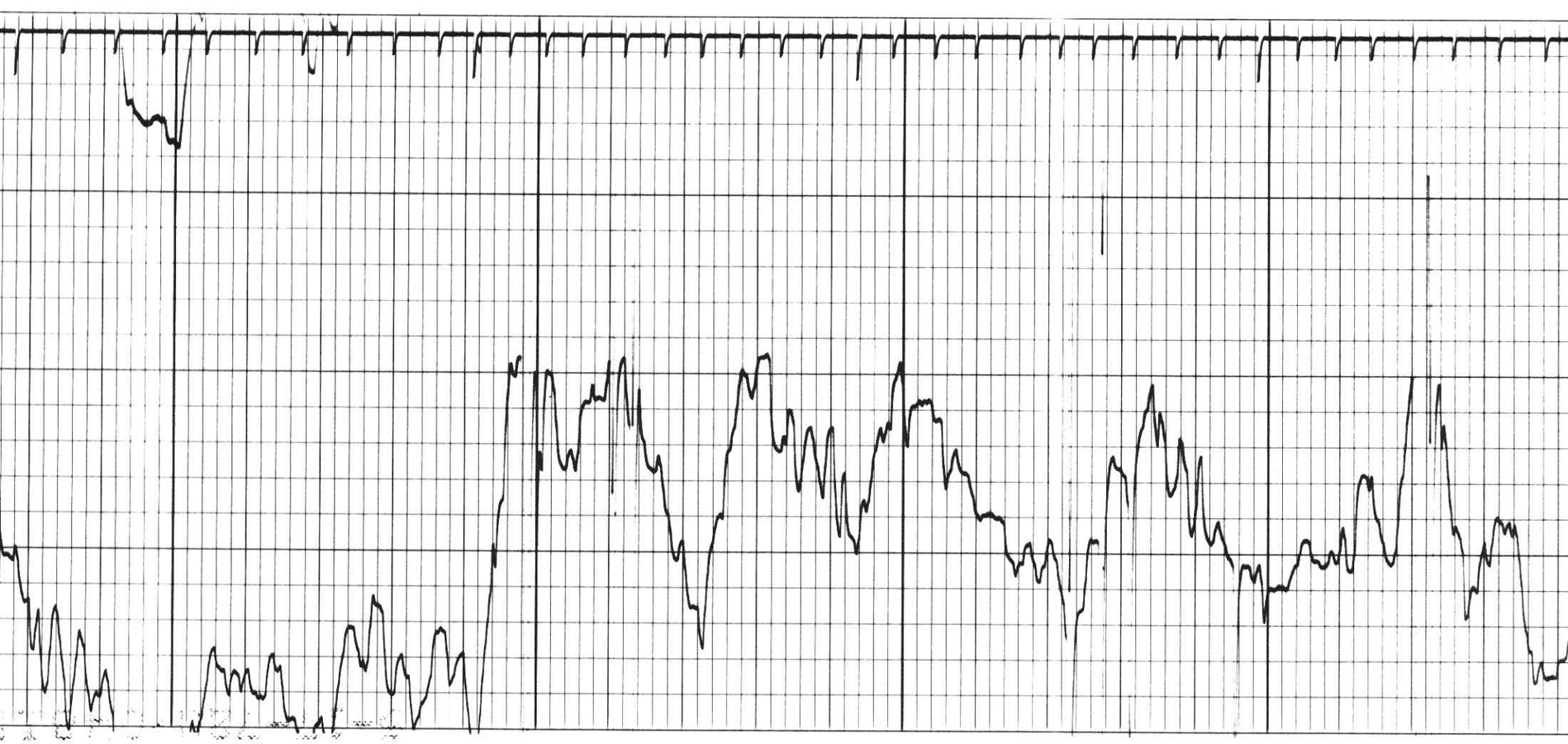
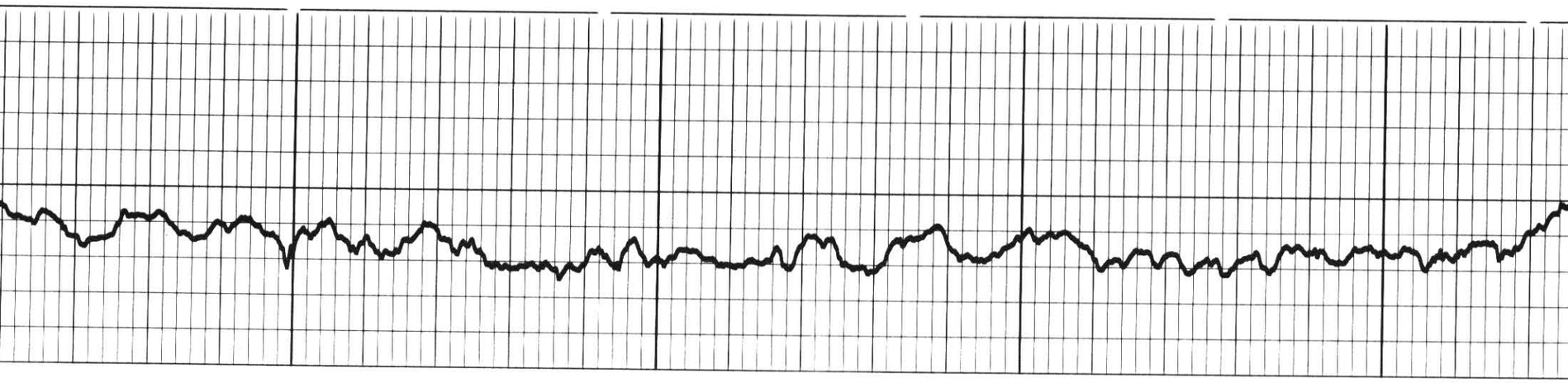
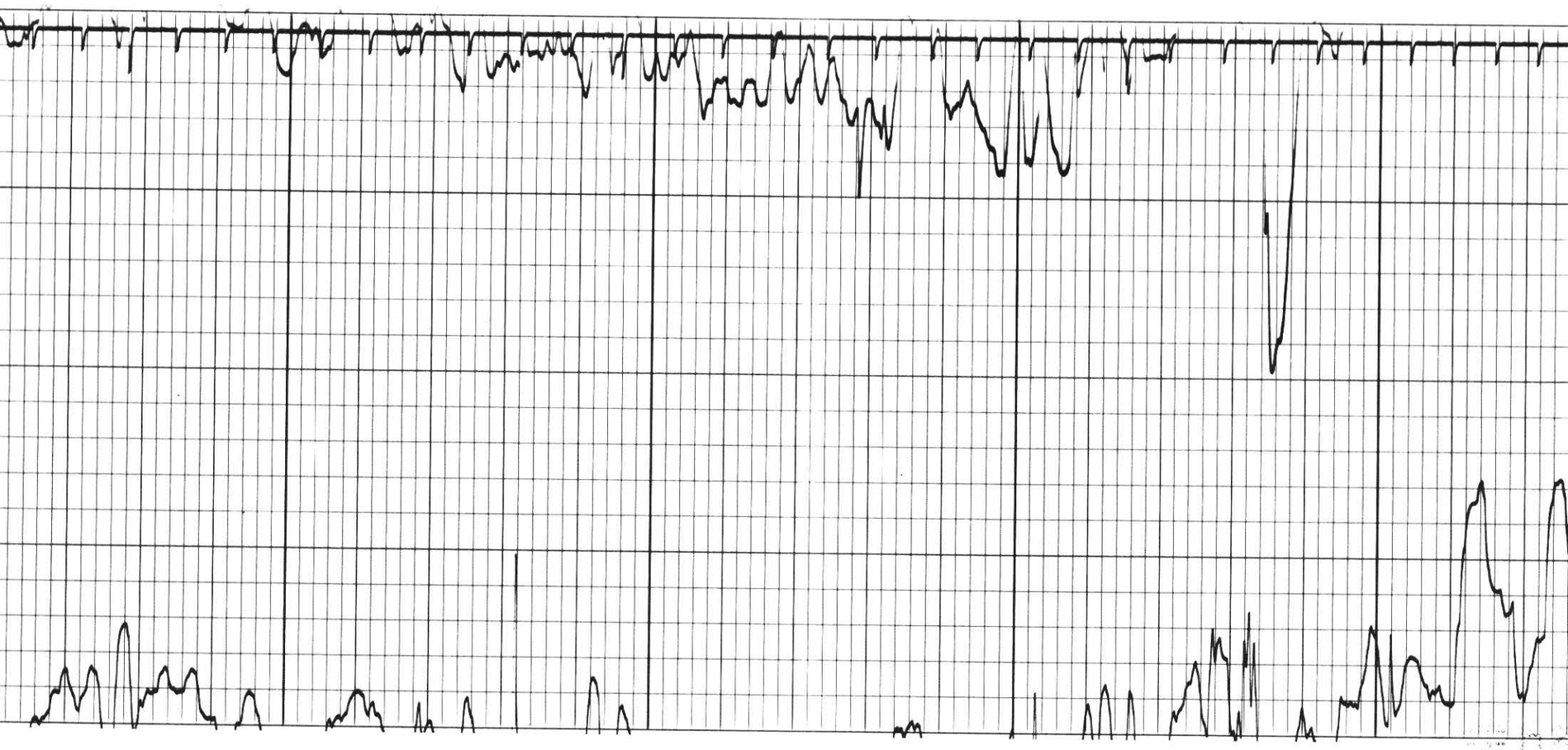
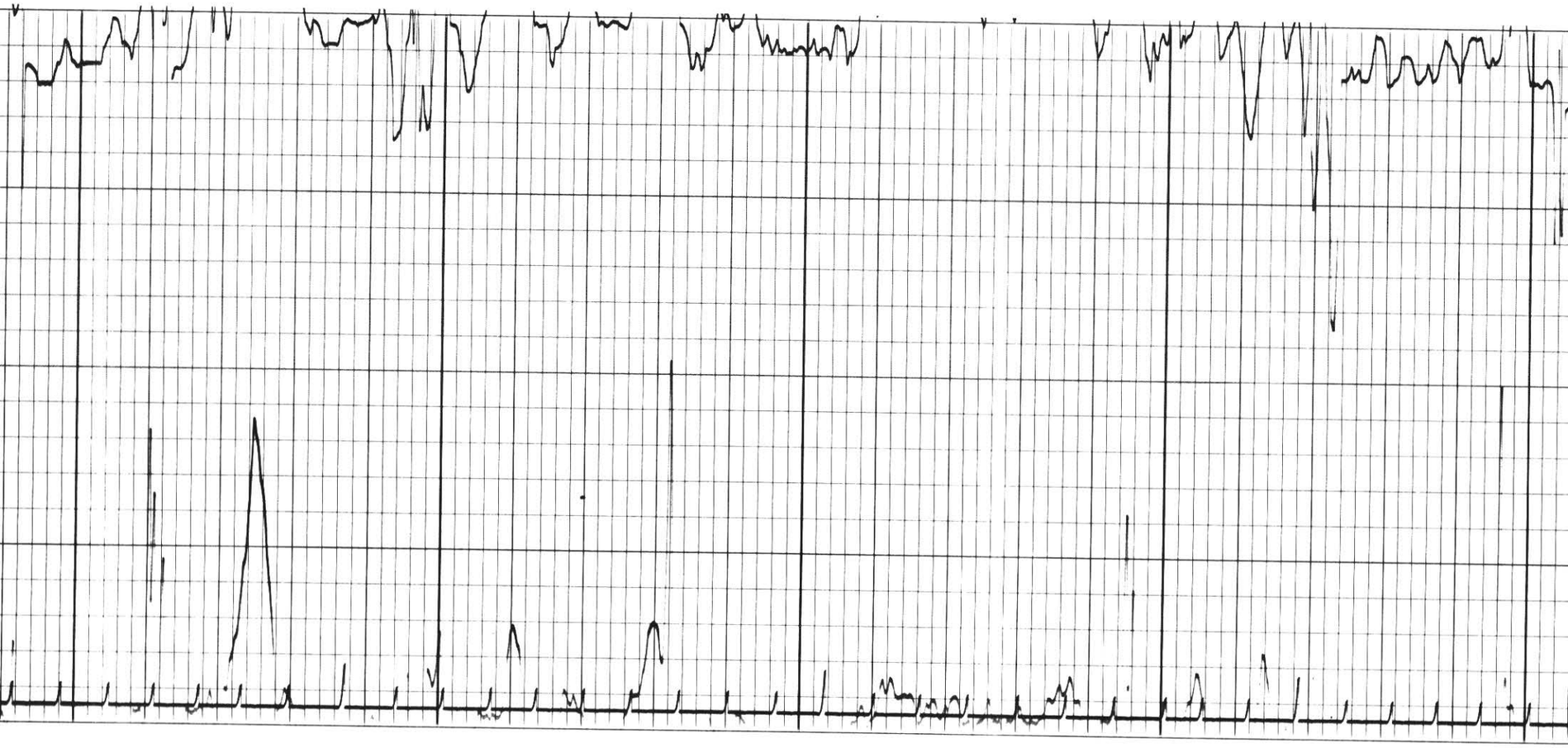




0011

0001





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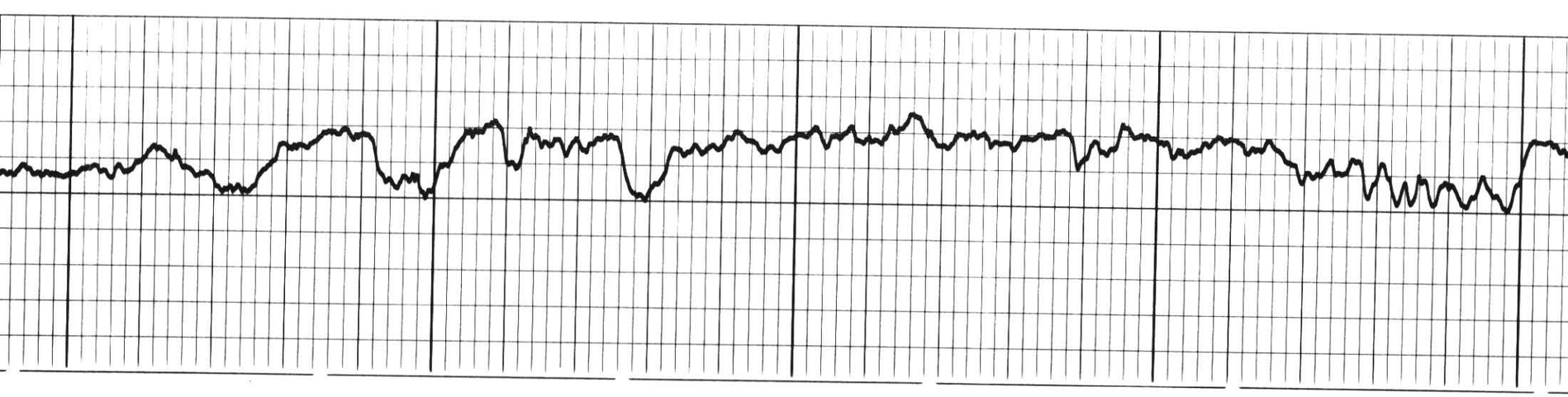
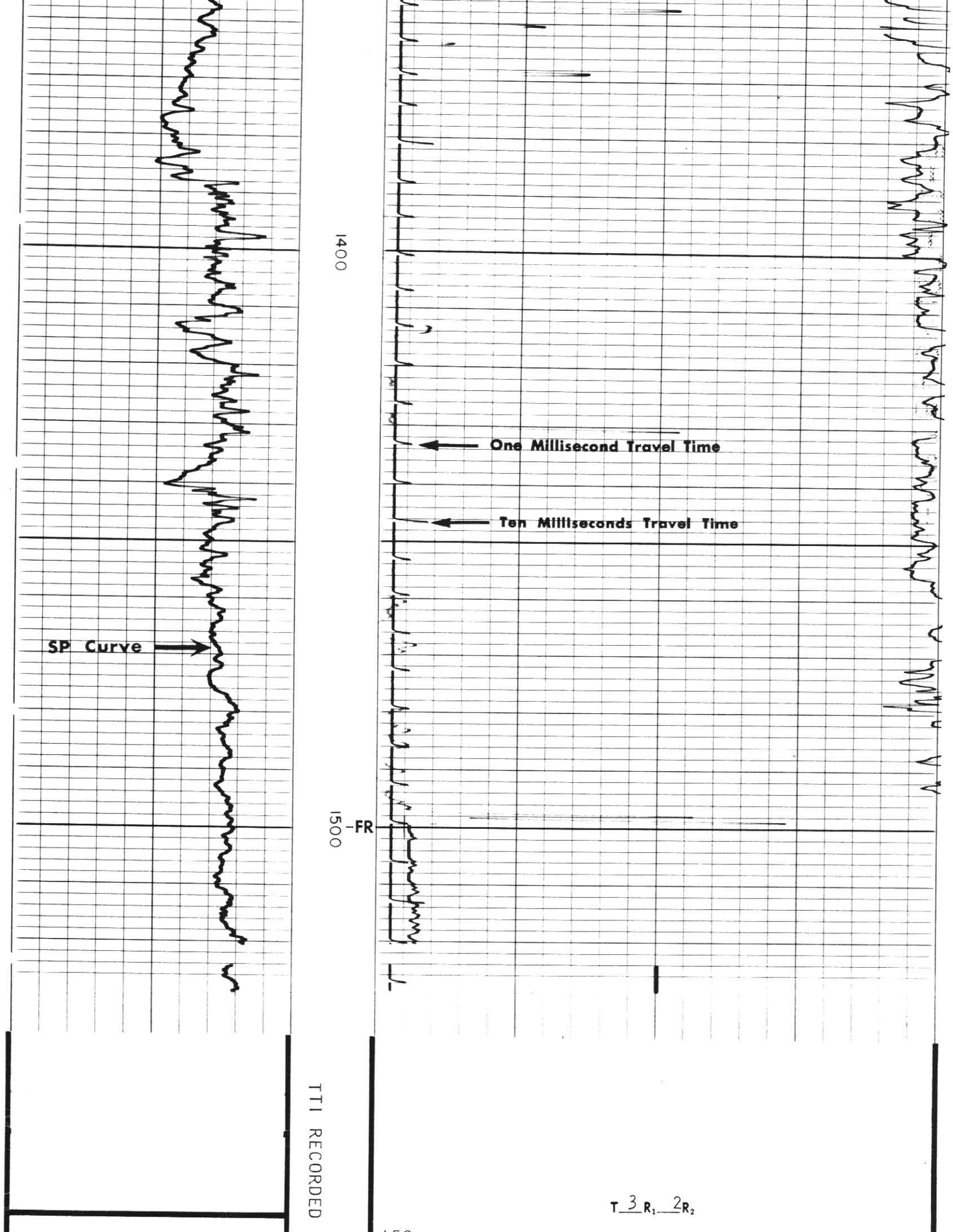
1300




1400
1500
-FR
One Millisecond Travel Time
Ten Milliseconds Travel Time
SP Curve
TTI RECORDED
T 3 R1 2R2

10

— |↔| +

TTI RECORDED 10' DEEP

150 100 50

200 150

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT

COMPANY MOBIL OIL CORPORATION

WELL KINGSTON NO. 1

FIELD WILDCAT

COUNTY KITSAP STATE WASHINGTON

SCHL. FR 1500
SCHL. TD 1511
DRLR TD 1509
Elev:
KB 303.7
DF
GL 283.0

DETAIL LOG

5" = 100'

RUN TWO

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT

10

— |↔| +

T 3 R_1 2 R_2

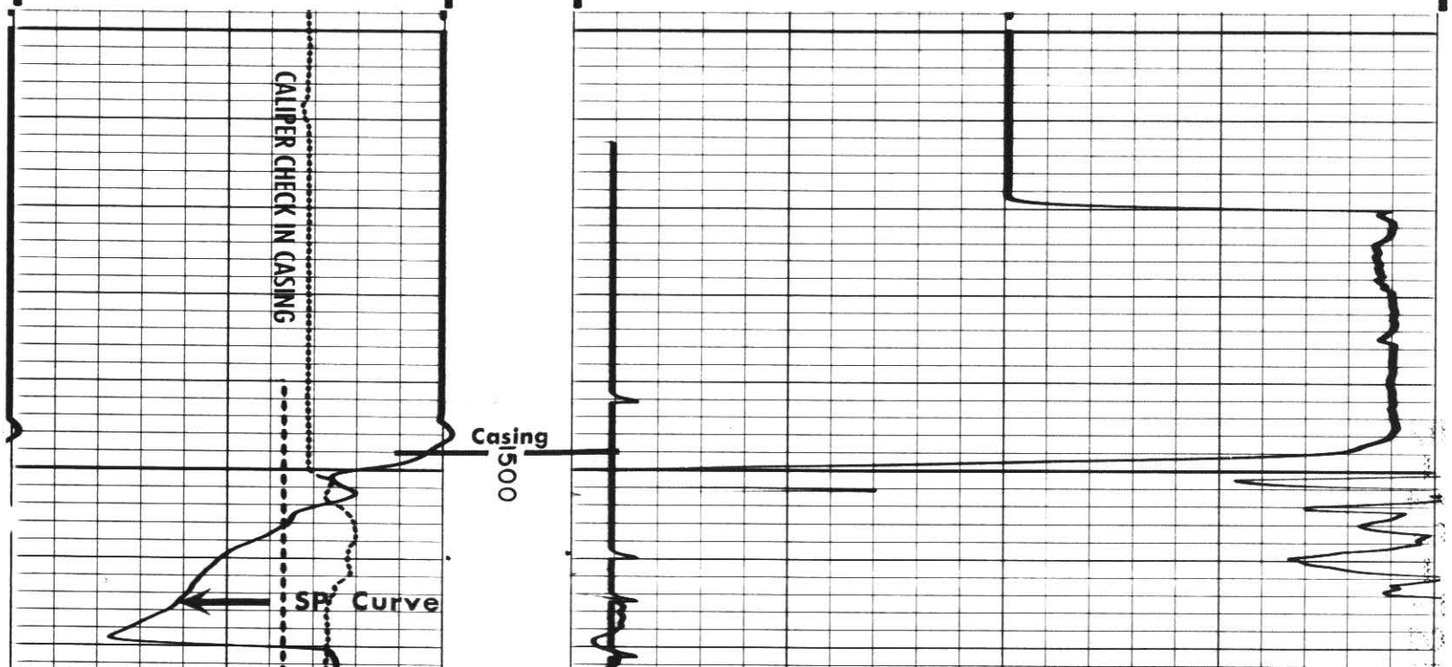
150 100 50

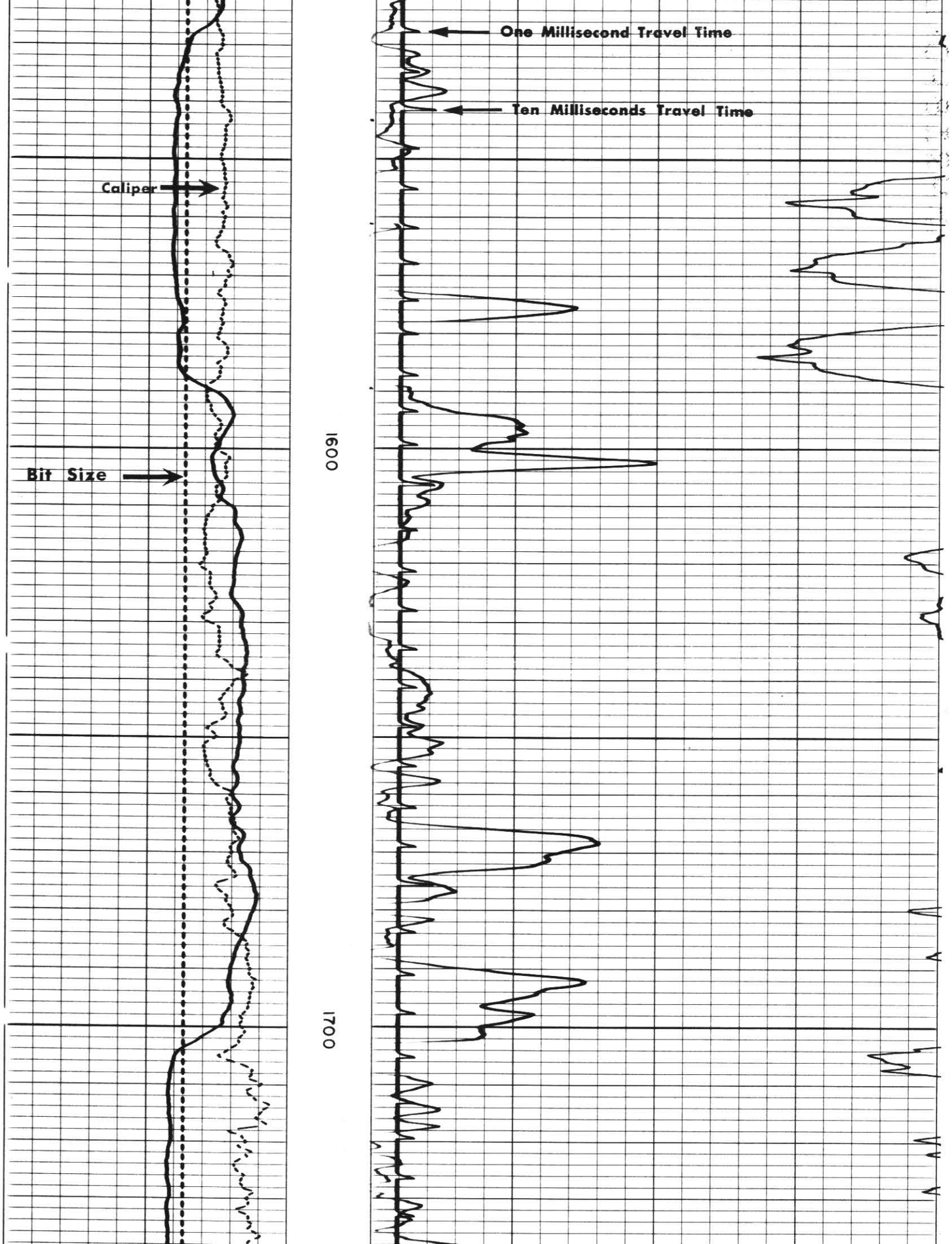
200 150

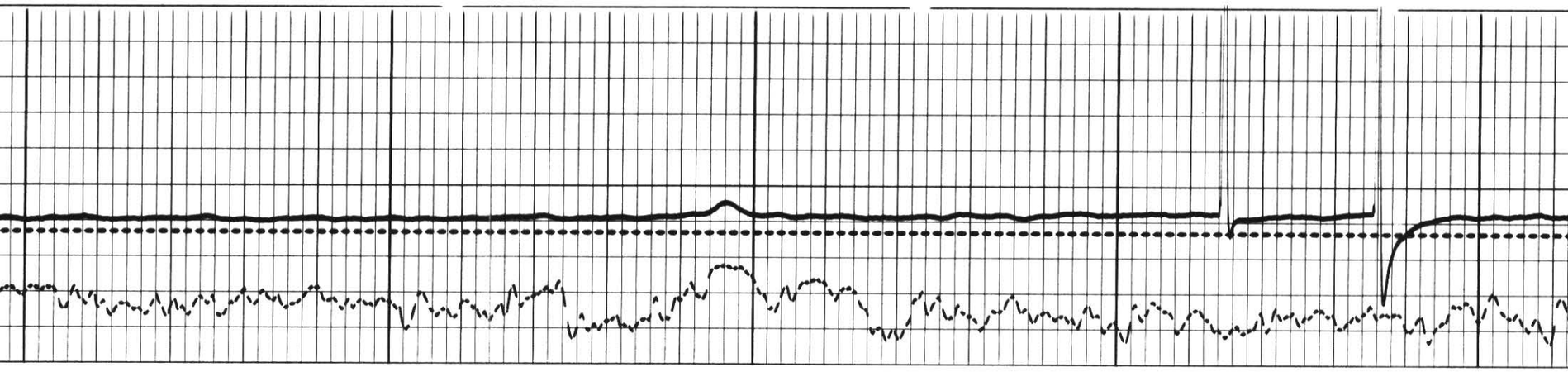
CALIPER

HOLE DIAM. IN INCHES

6 16




One Millisecond Travel Time
Ten Milliseconds Travel Time
Caliper
Bit Size
1600
1700



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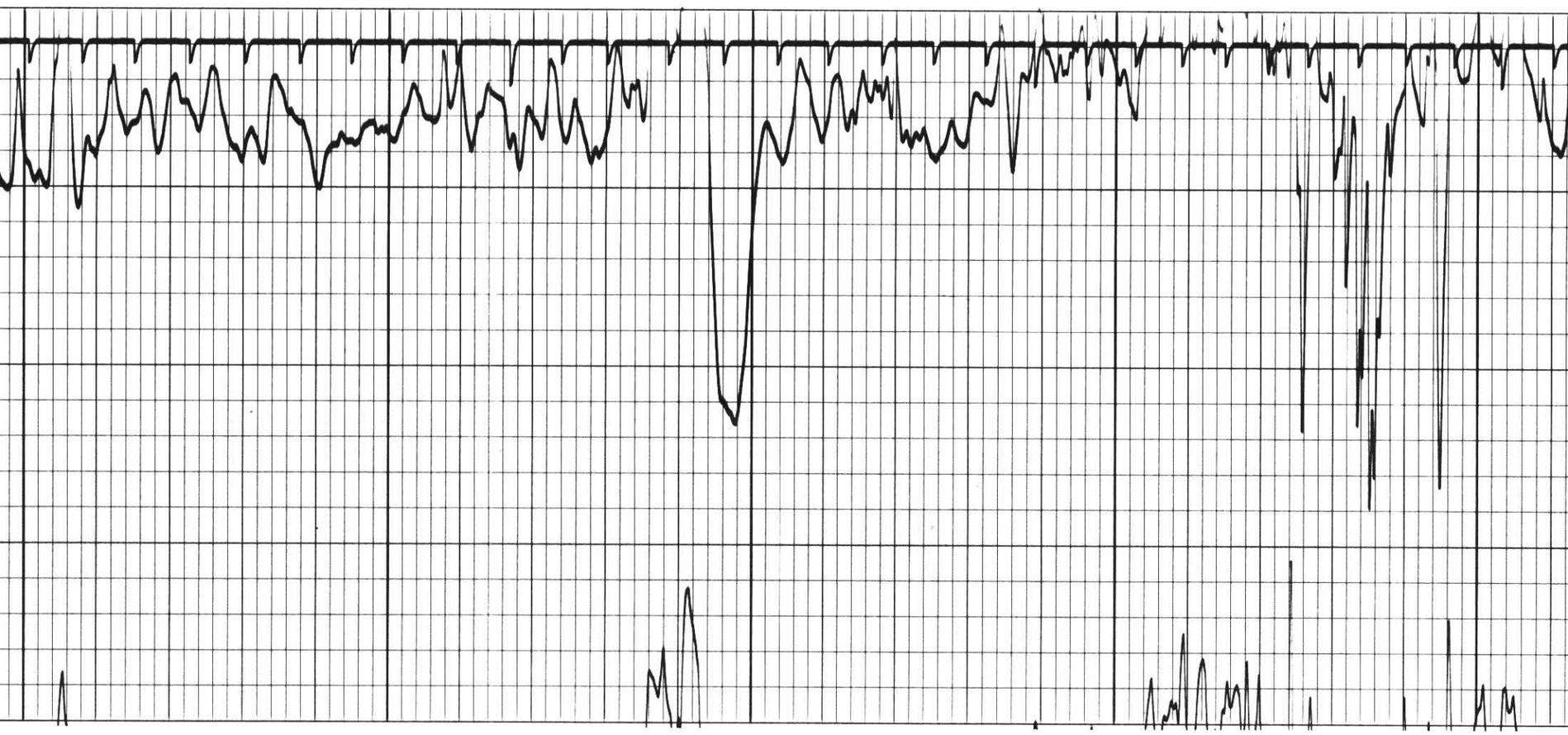

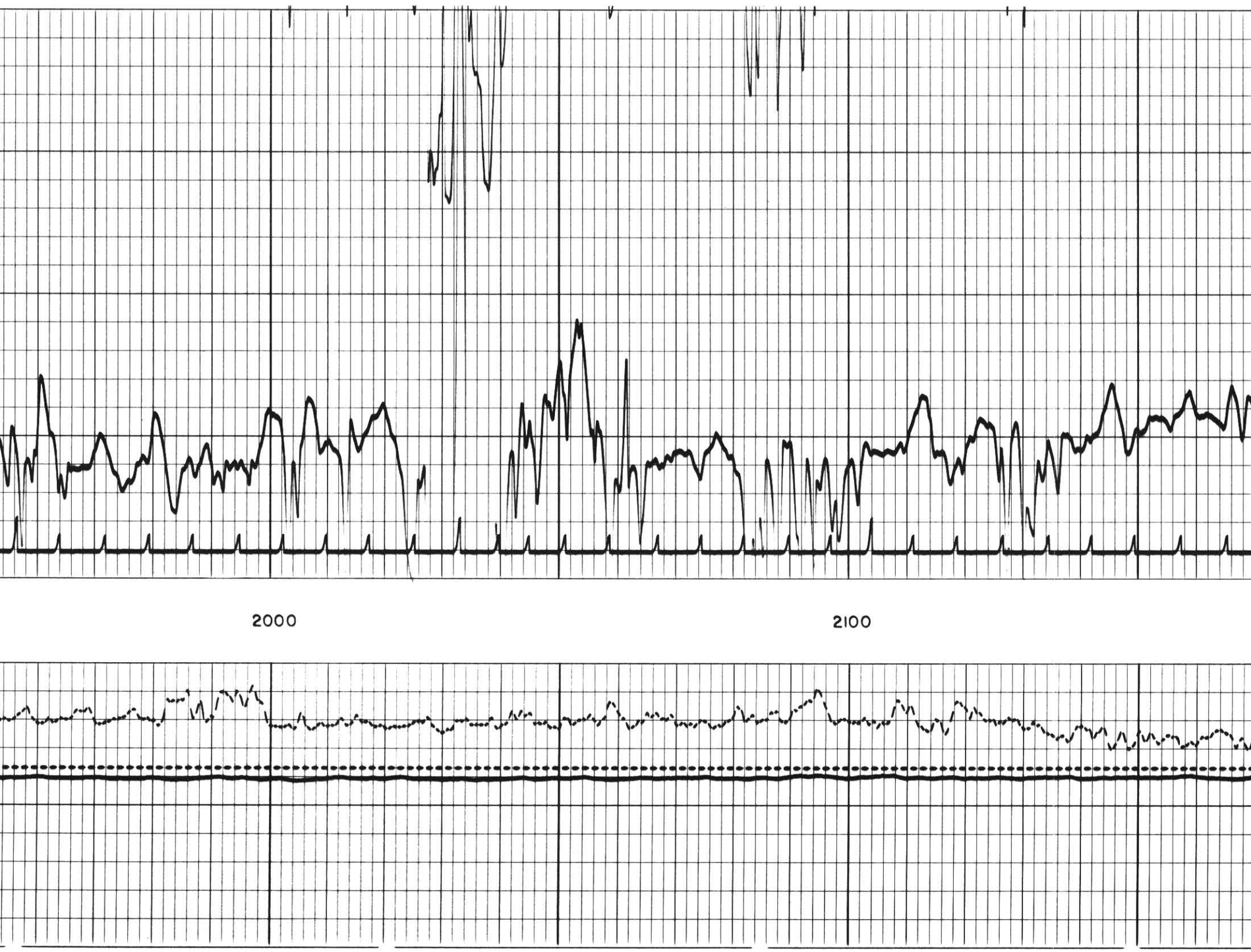
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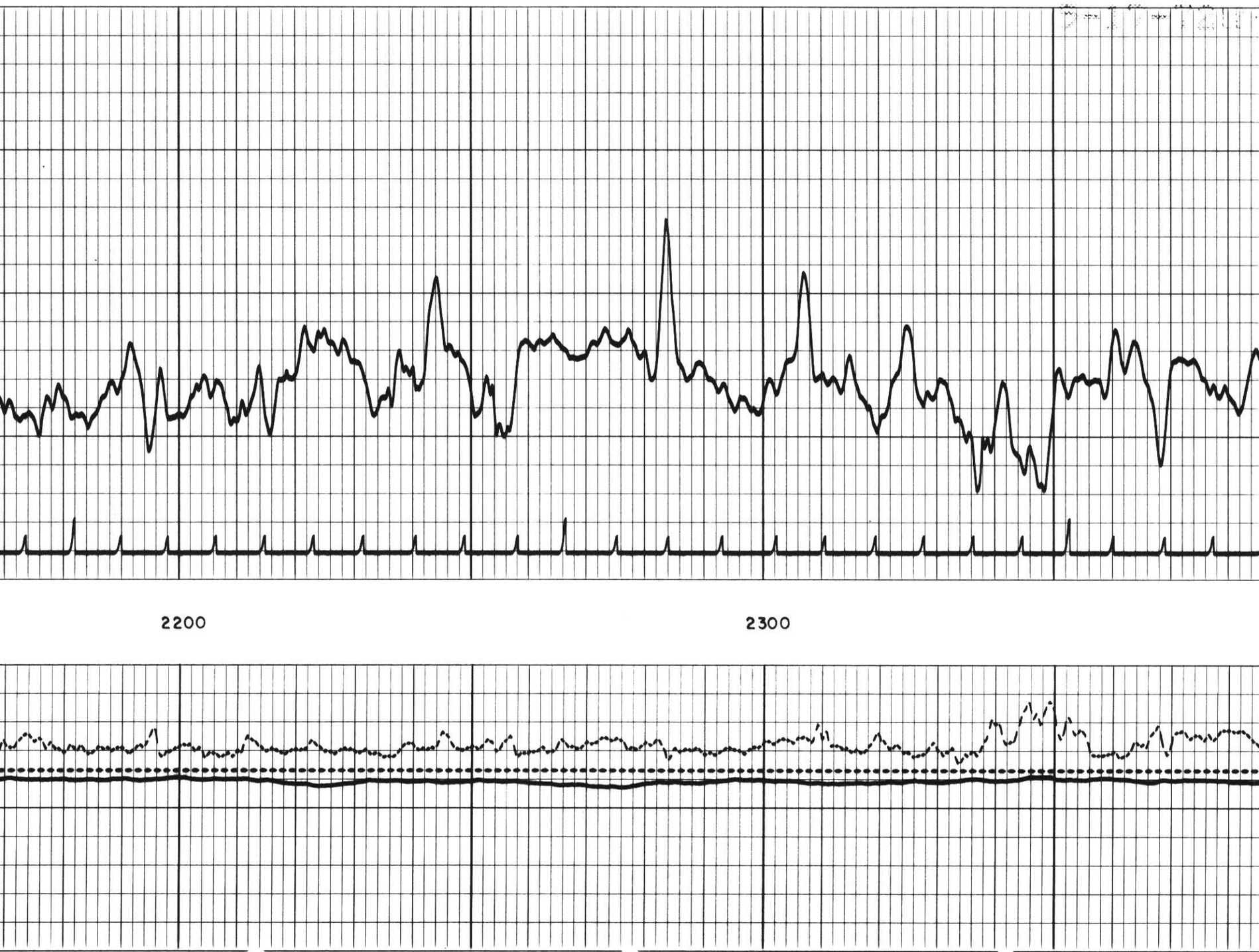
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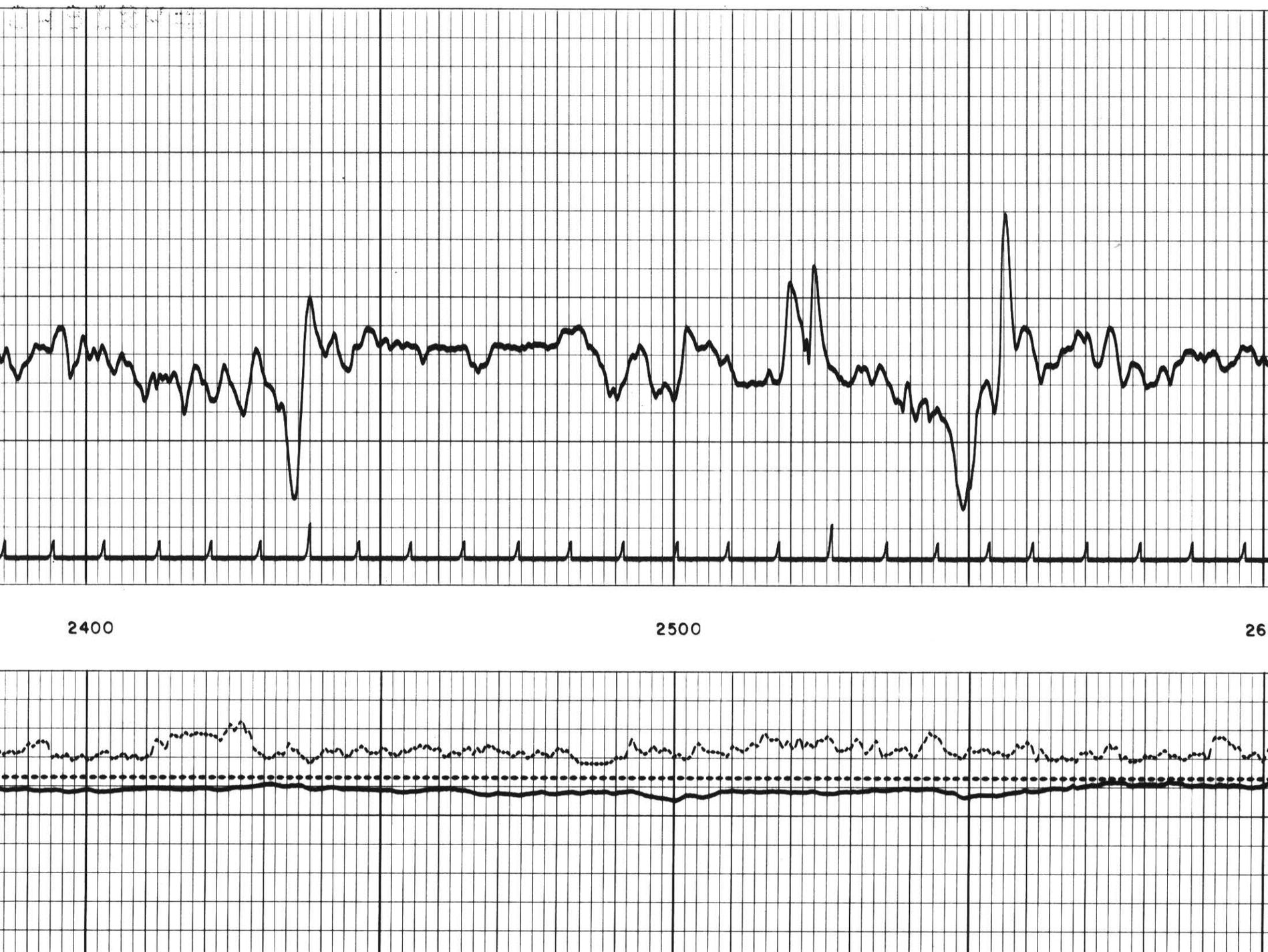
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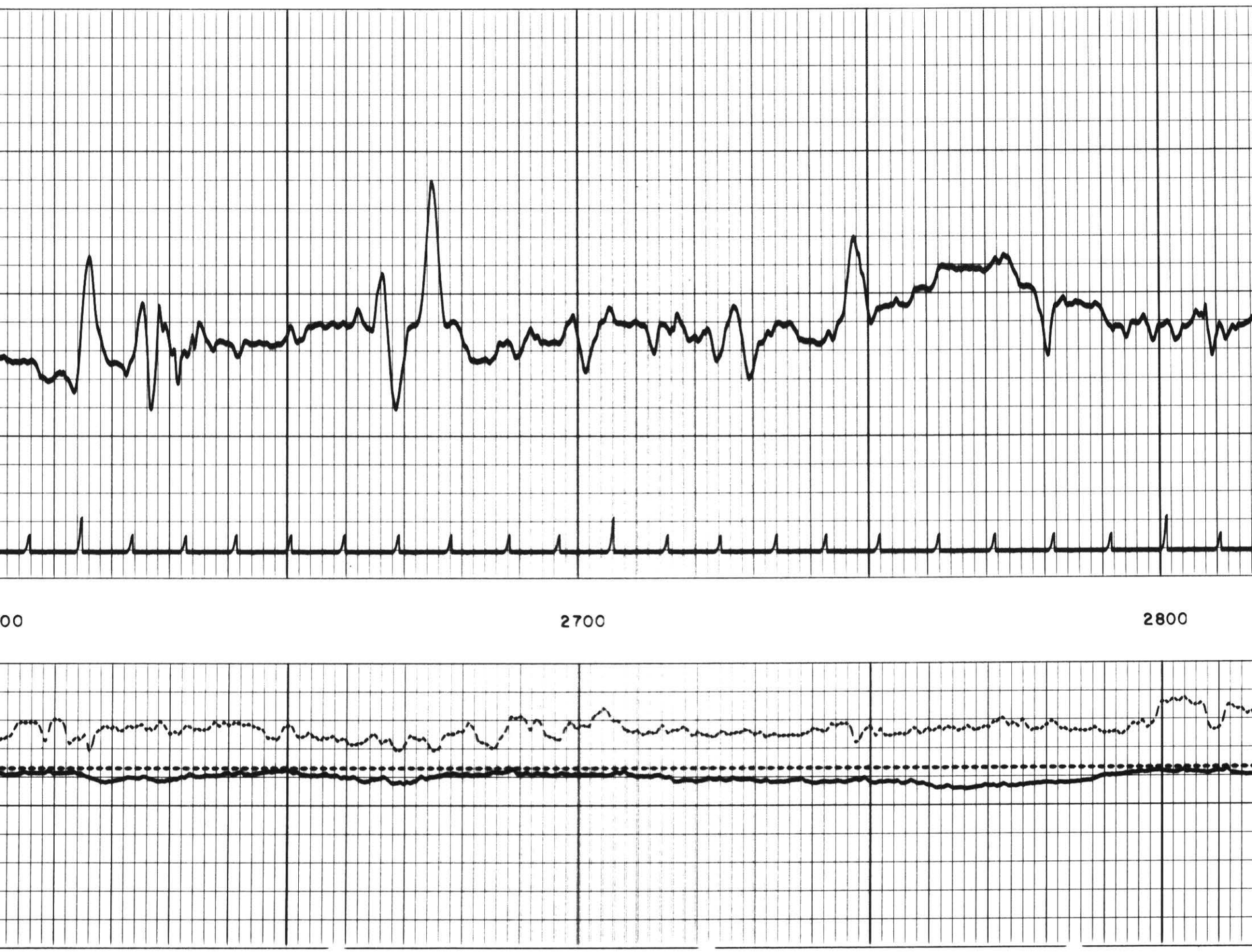
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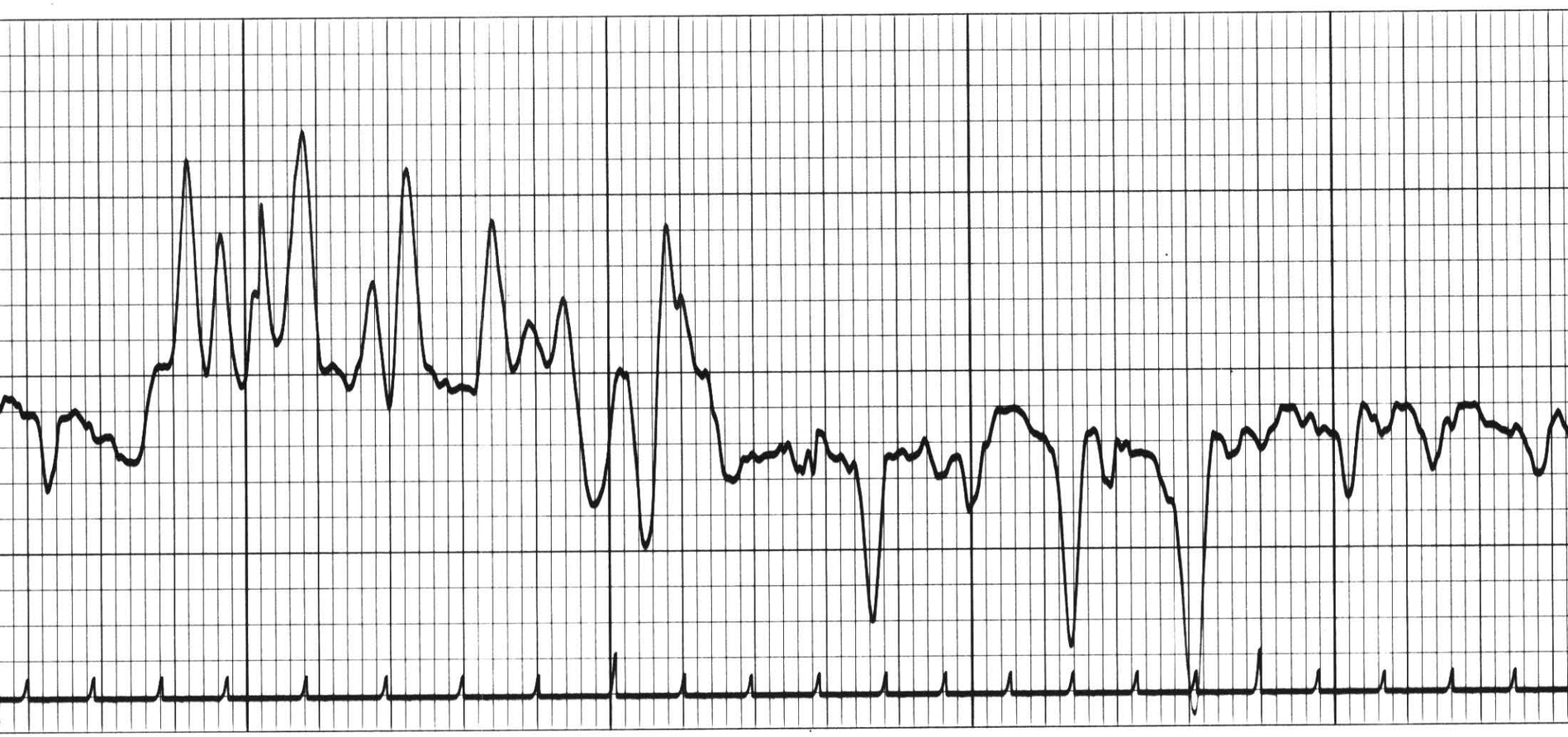

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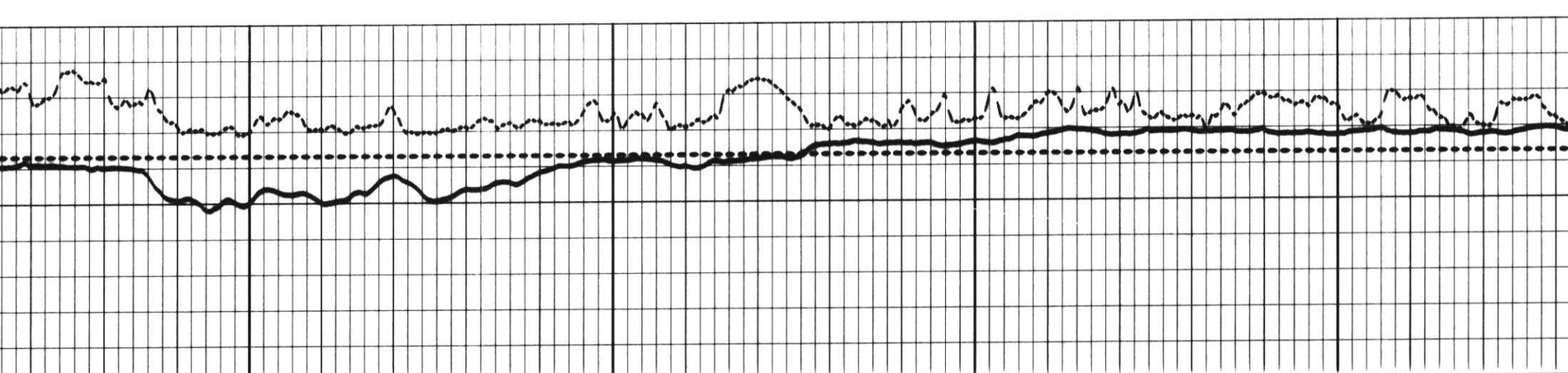

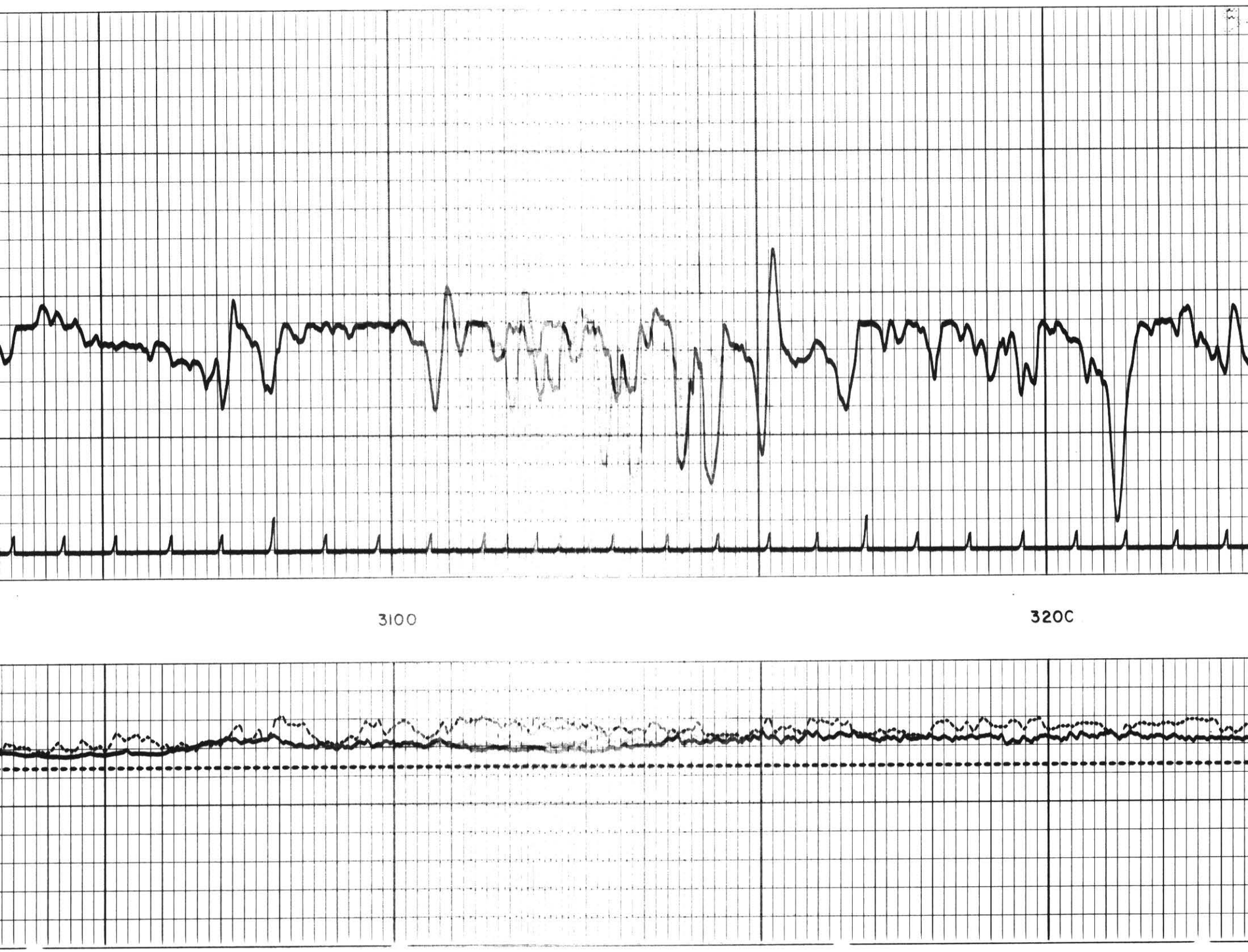
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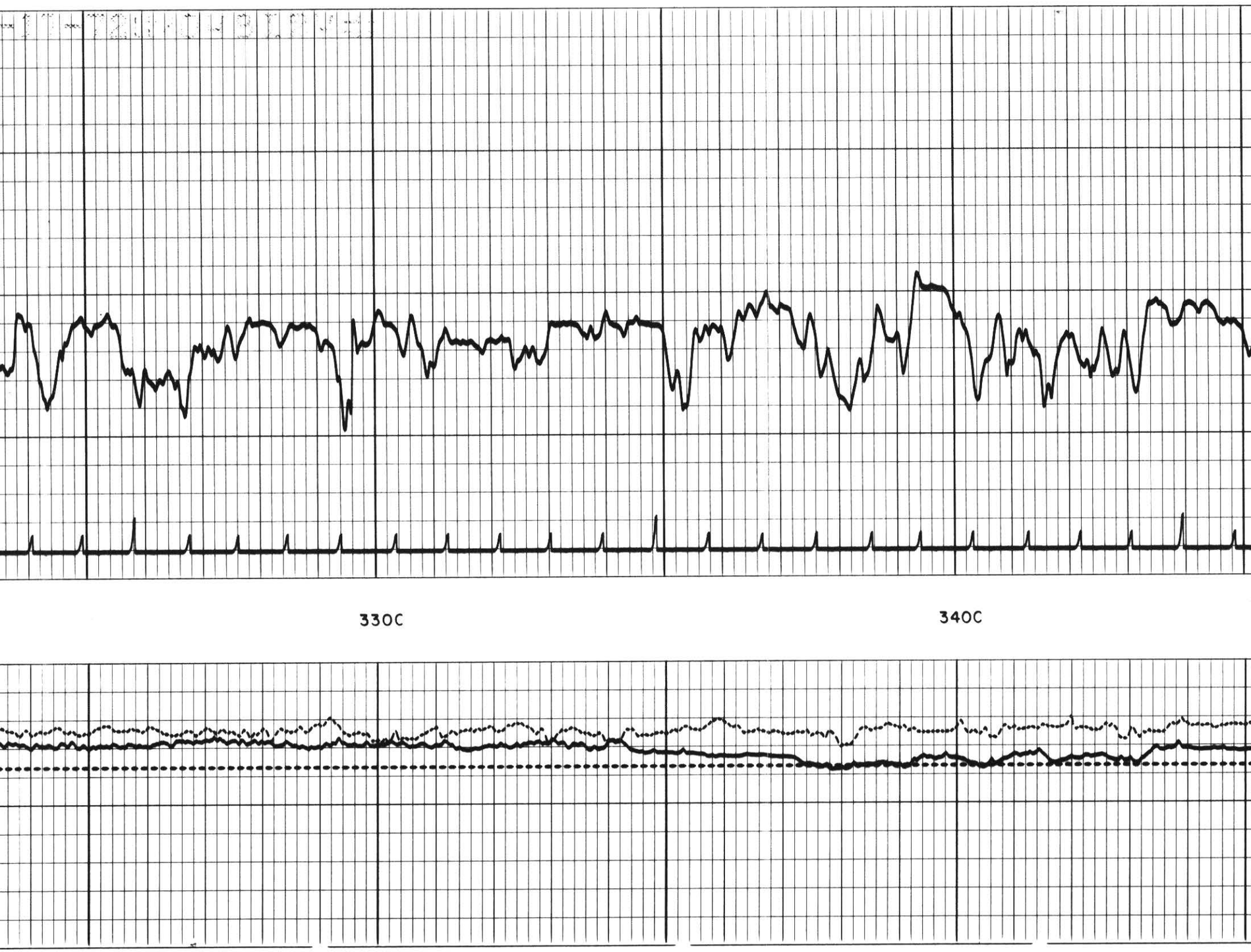
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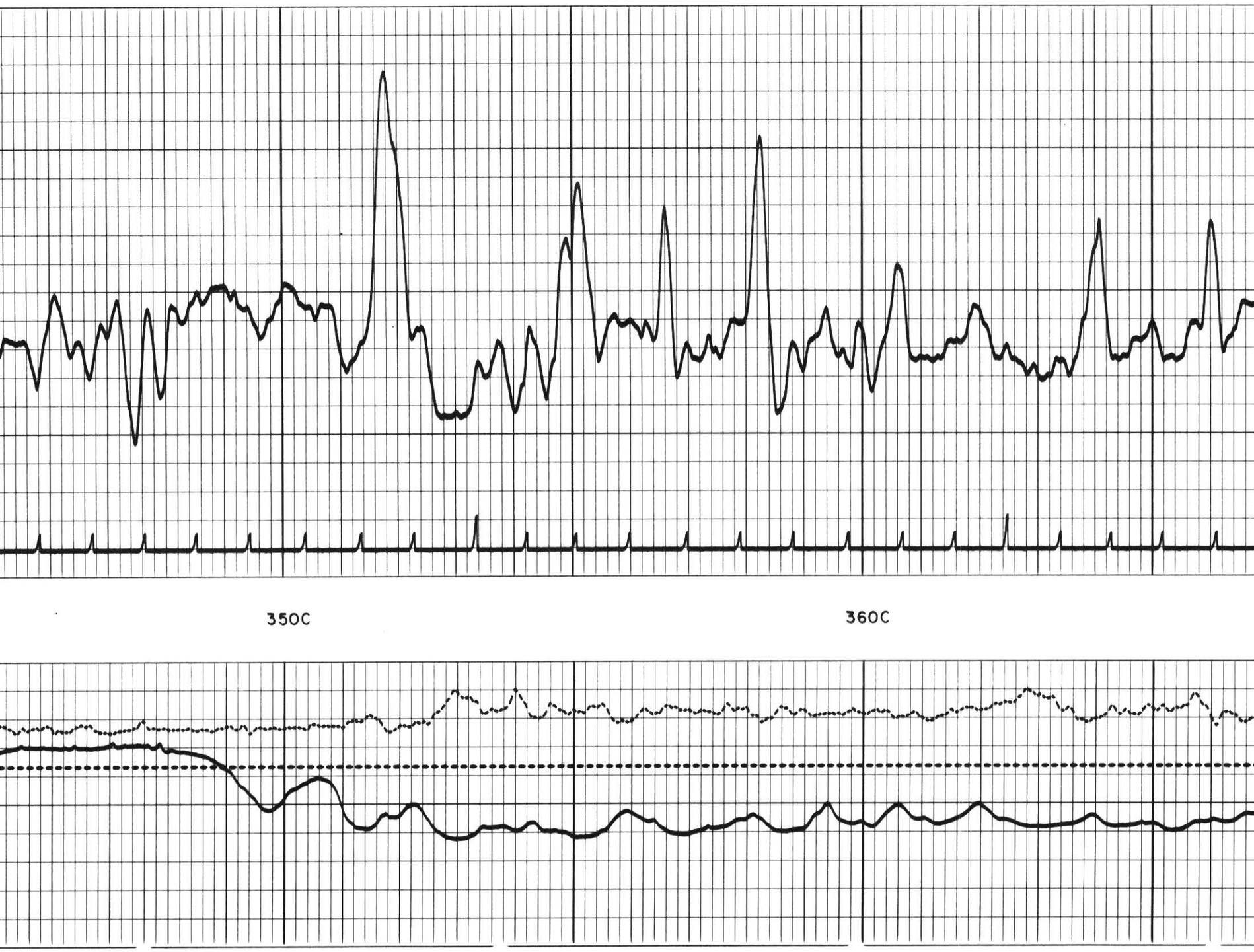
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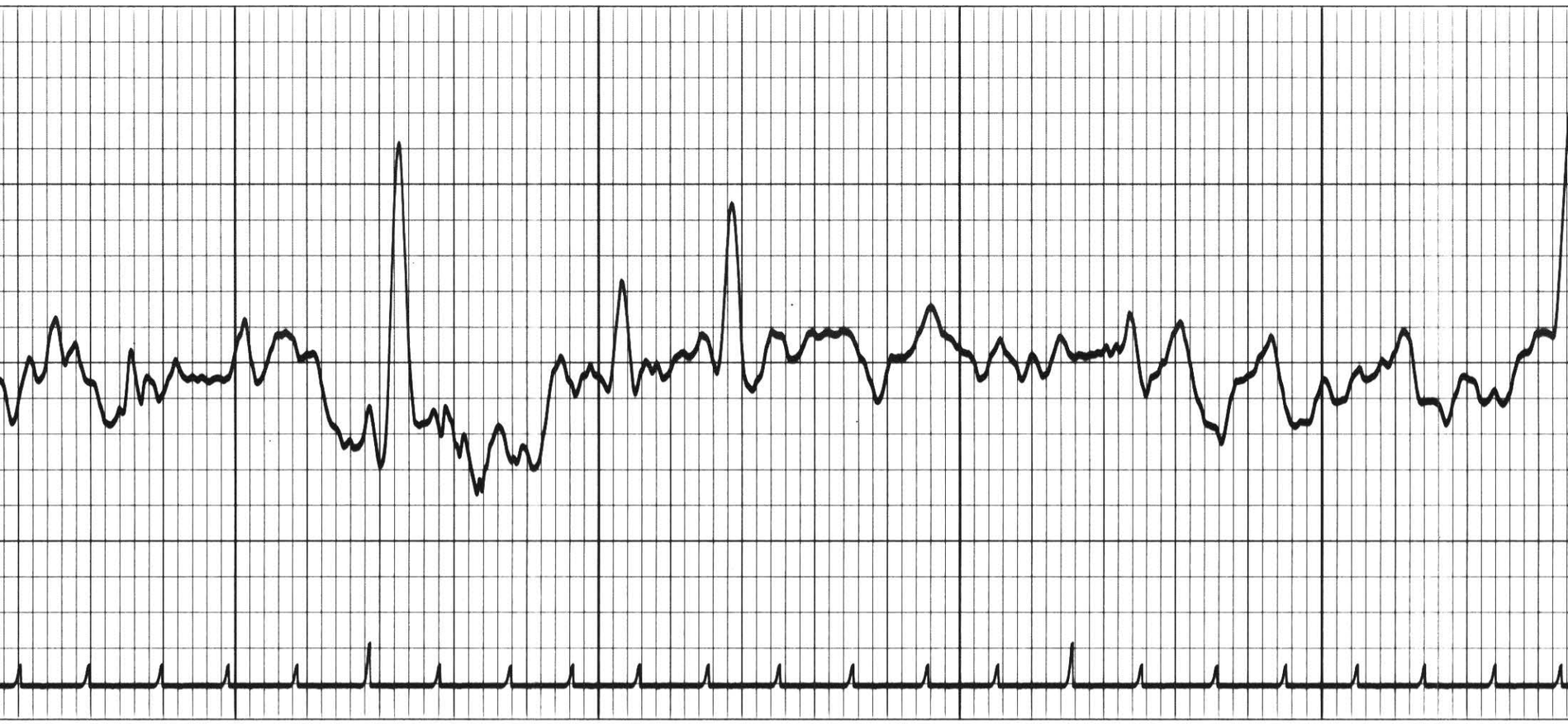
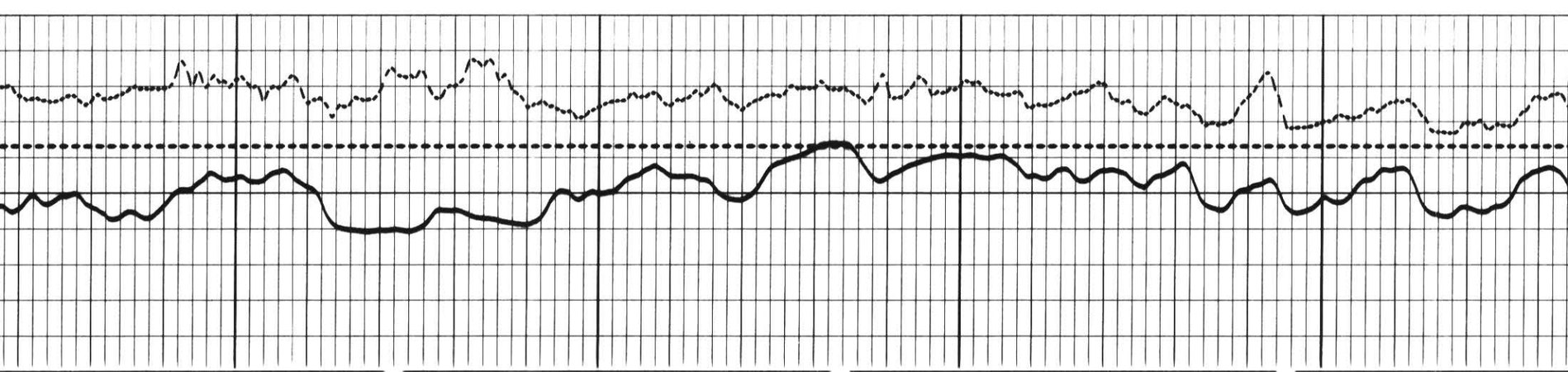
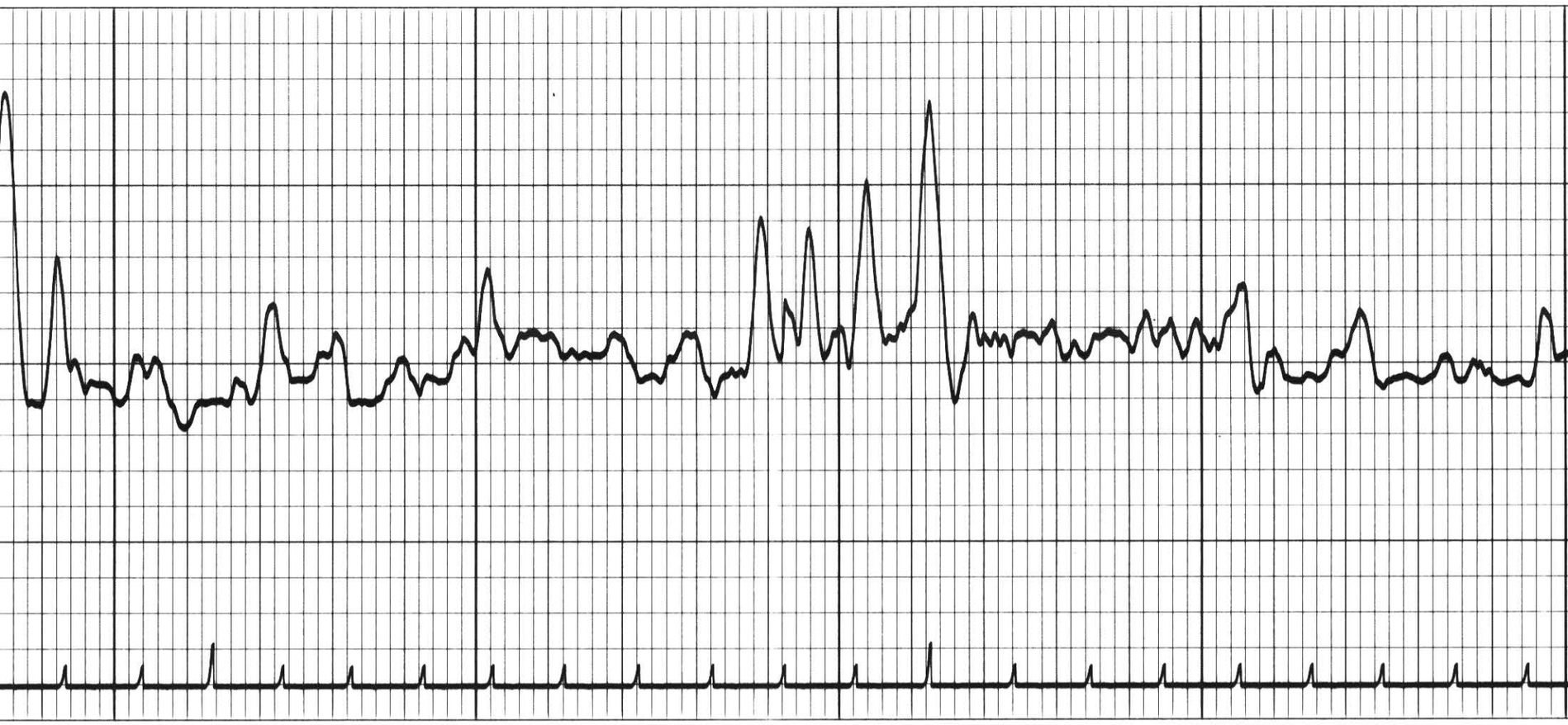


370C 380C





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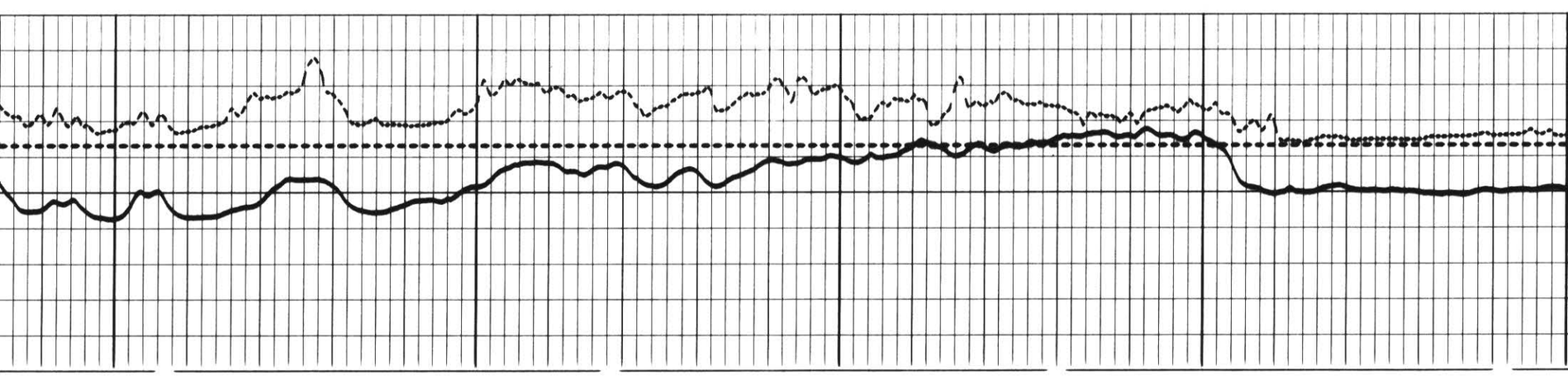

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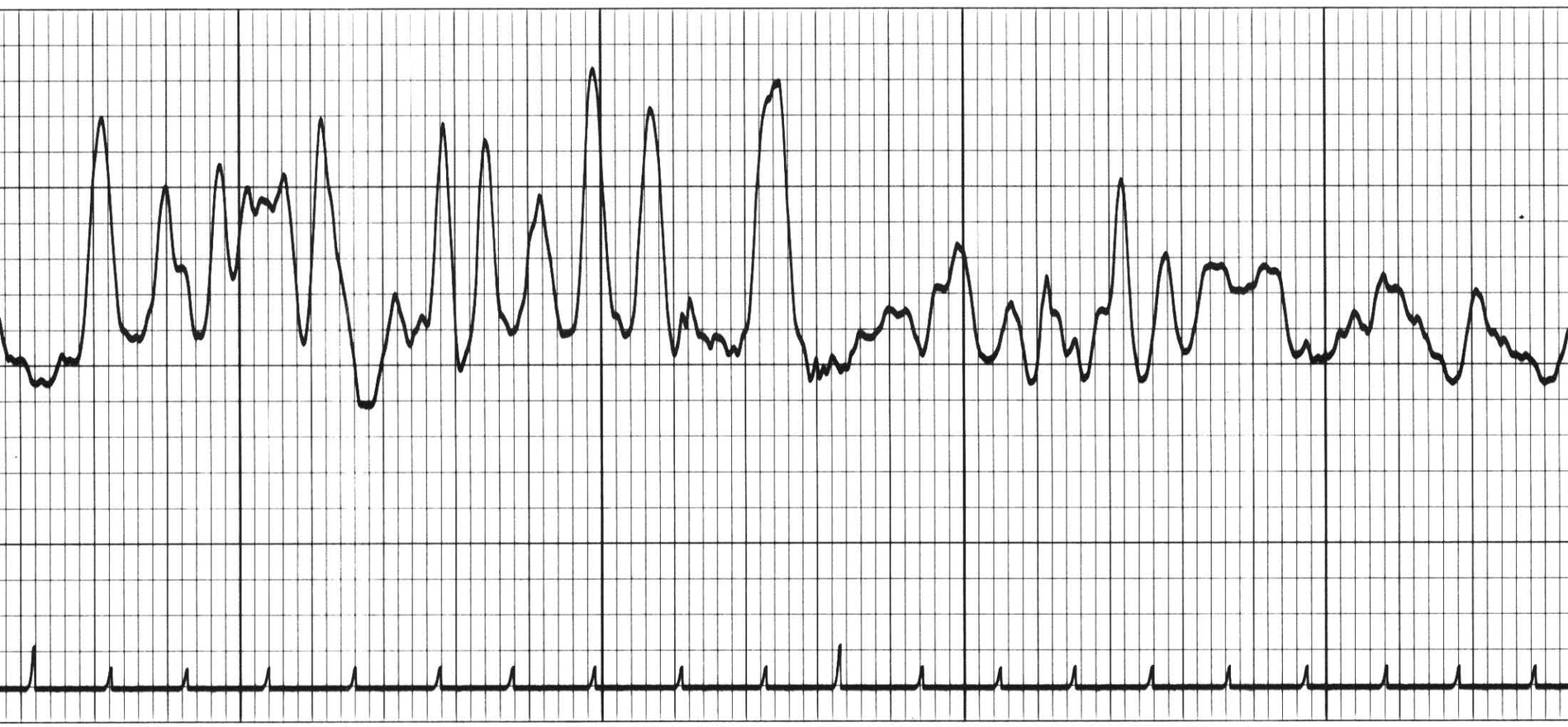
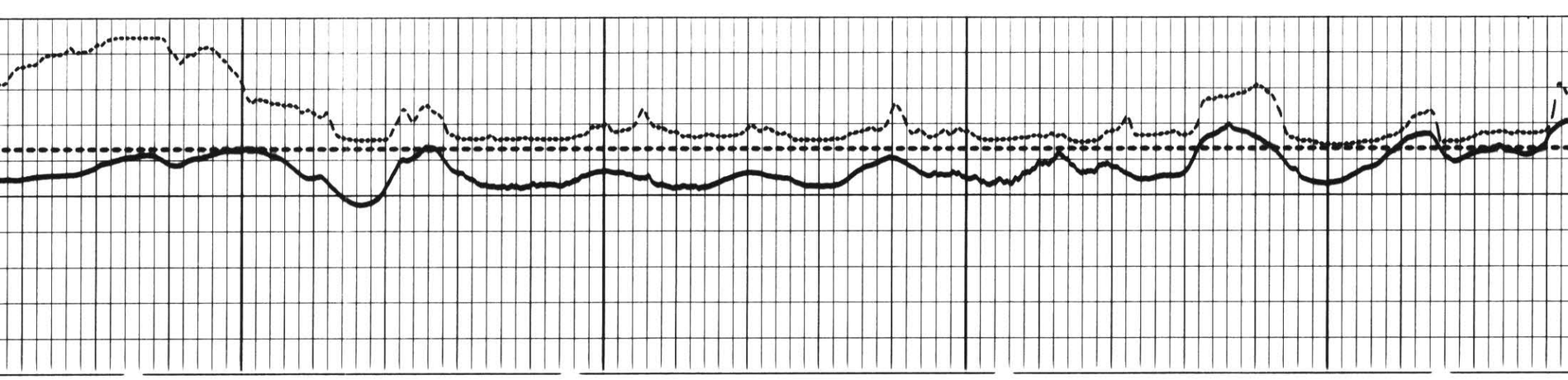
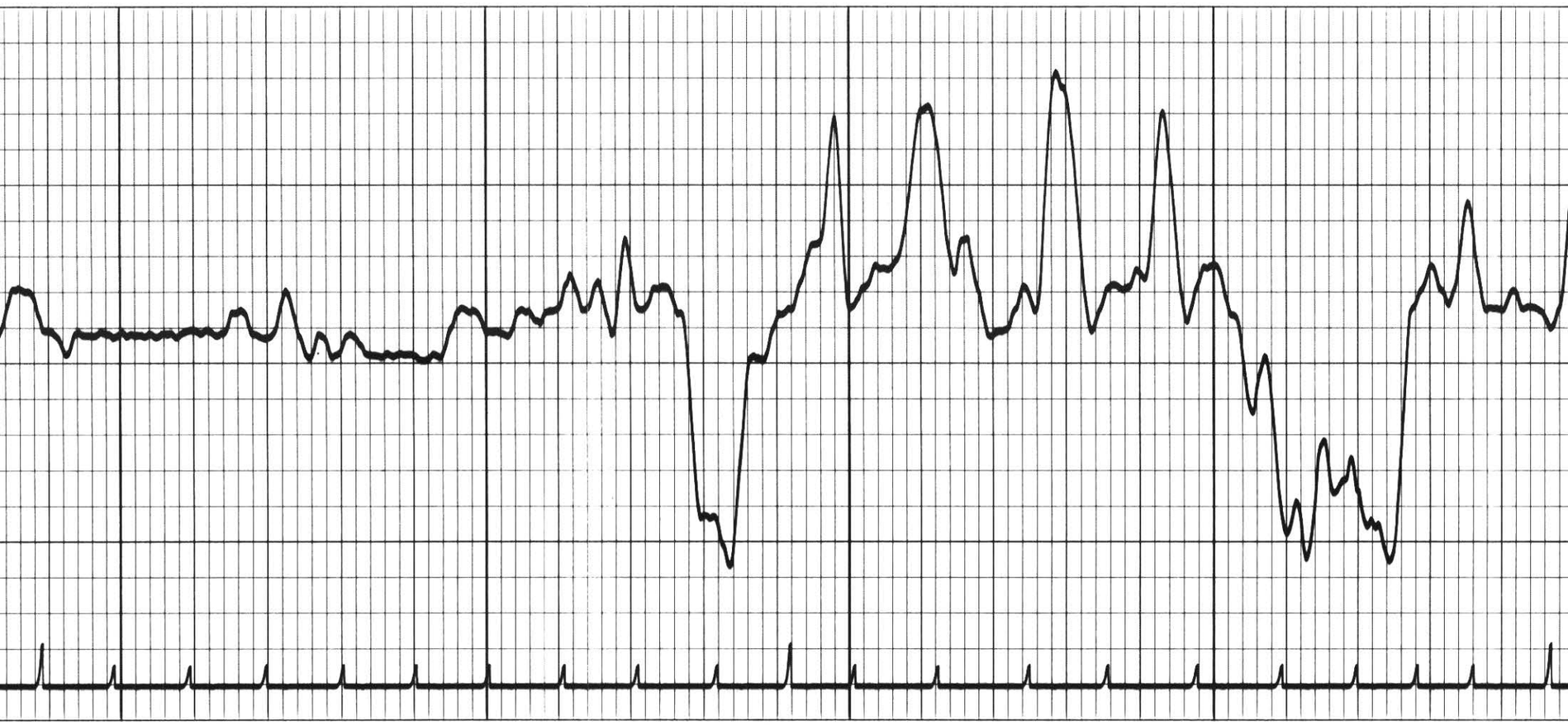


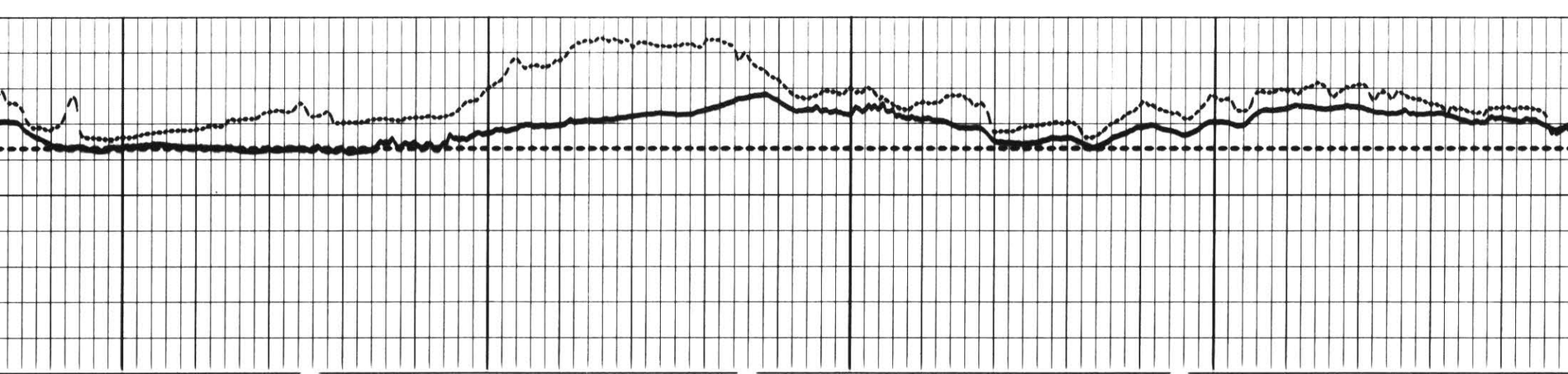
440C

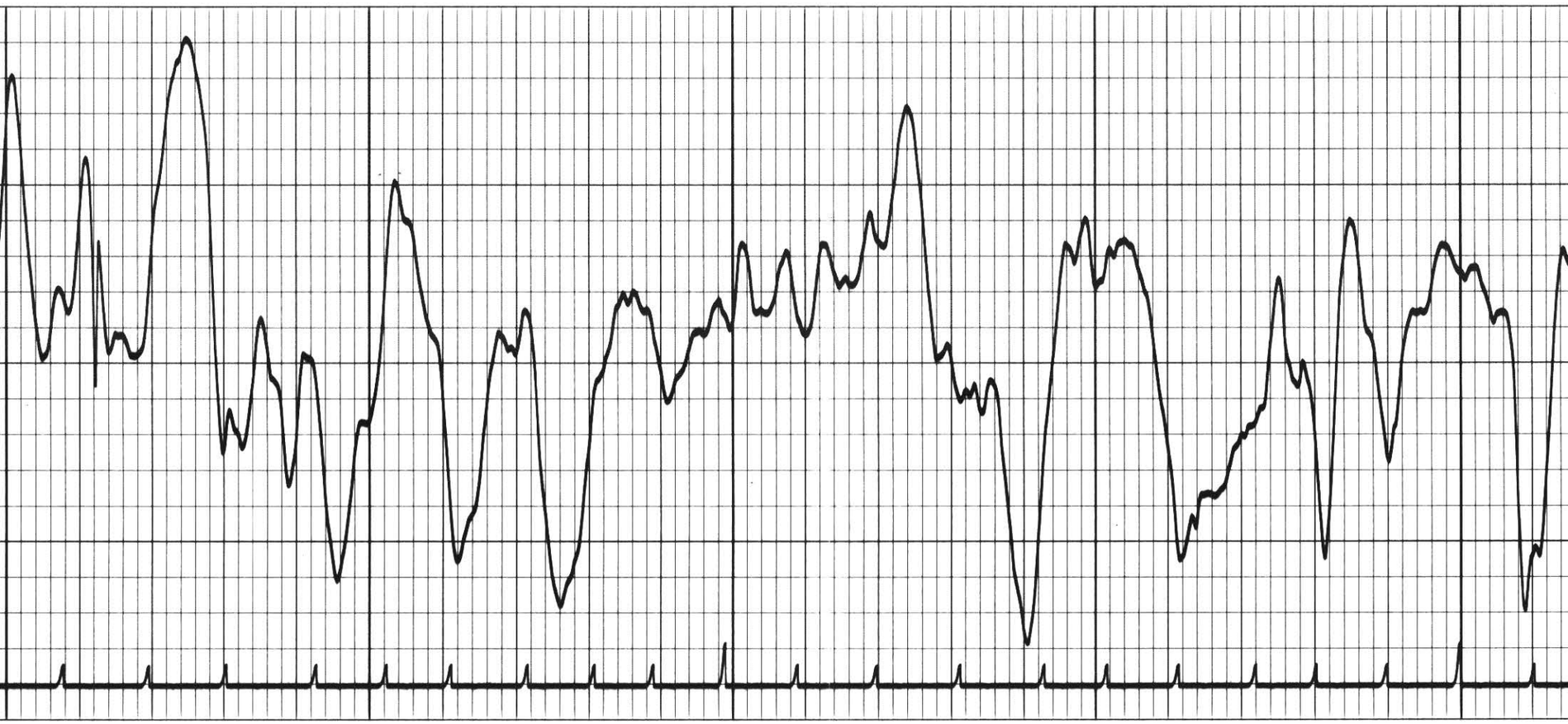
450C





460C 470C





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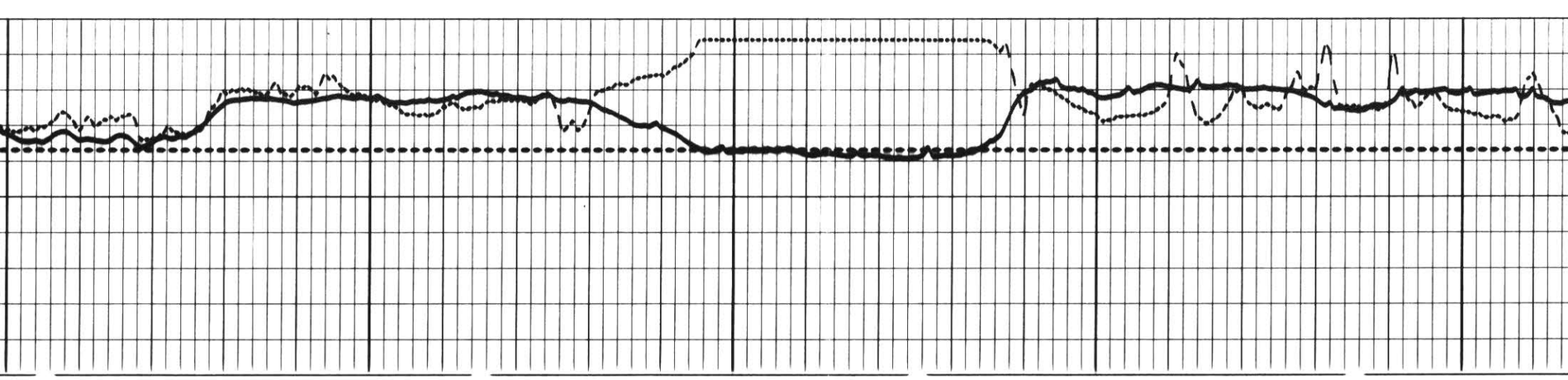
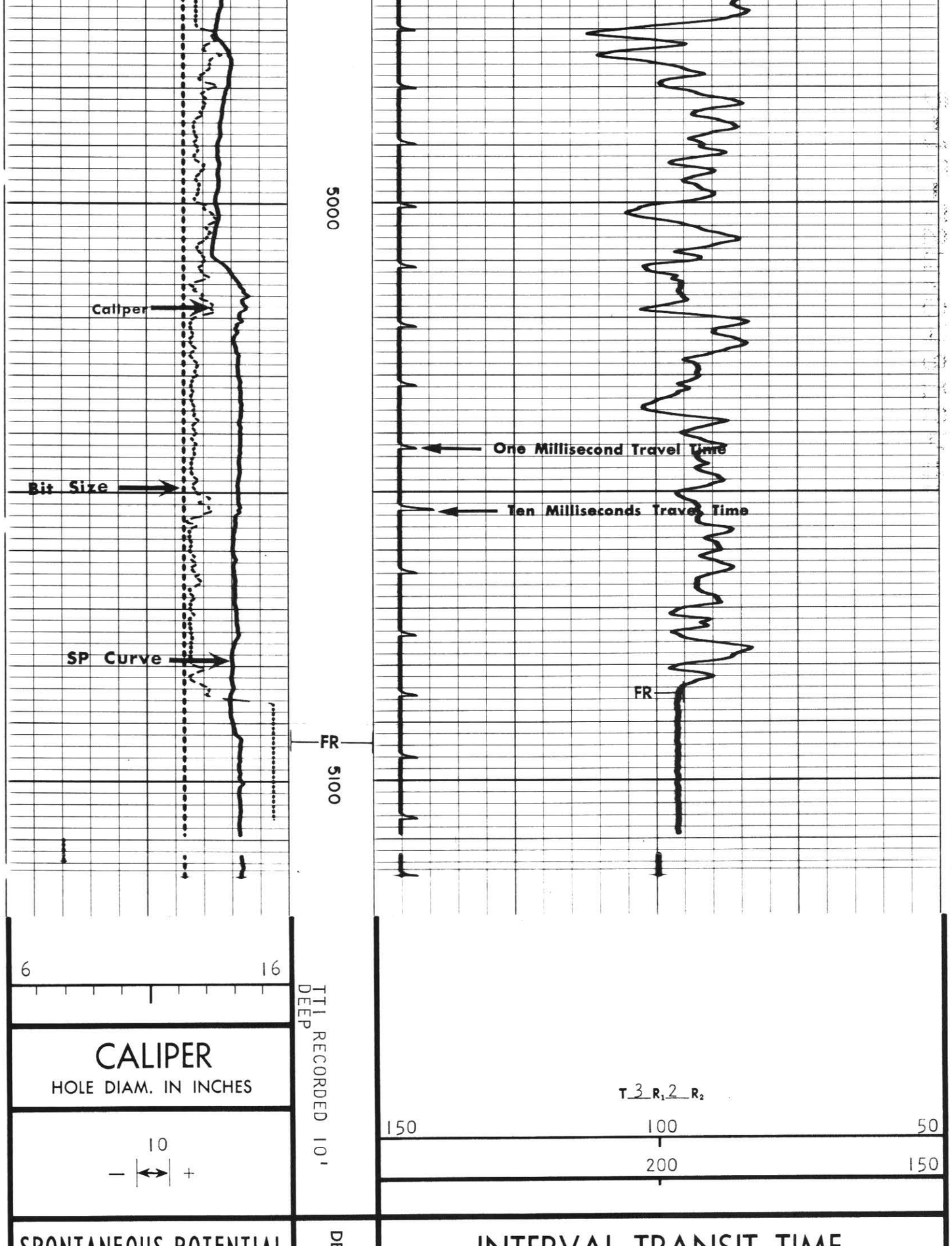



5000
Caliper
Bit Size
SP Curve
FR
5100
One Millisecond Travel Time
Ten Milliseconds Travel Time
FR
6
16
CALIPER
HOLE DIAM. IN INCHES
10
– ↔ +
SPONTANEOUS POTENTIAL
TTI RECORDED 10' DEEP
T 3 R1 2 R2
150
100
50
200
150
INTERVAL TRANSIT TIME

SPONTANEOUS-POTENTIAL MILLIVOLTS	DEPTHS	INTERVAL TRANSIT TIME MICROSECONDS PER FOOT

COMPANY MOBIL OIL CORPORATION

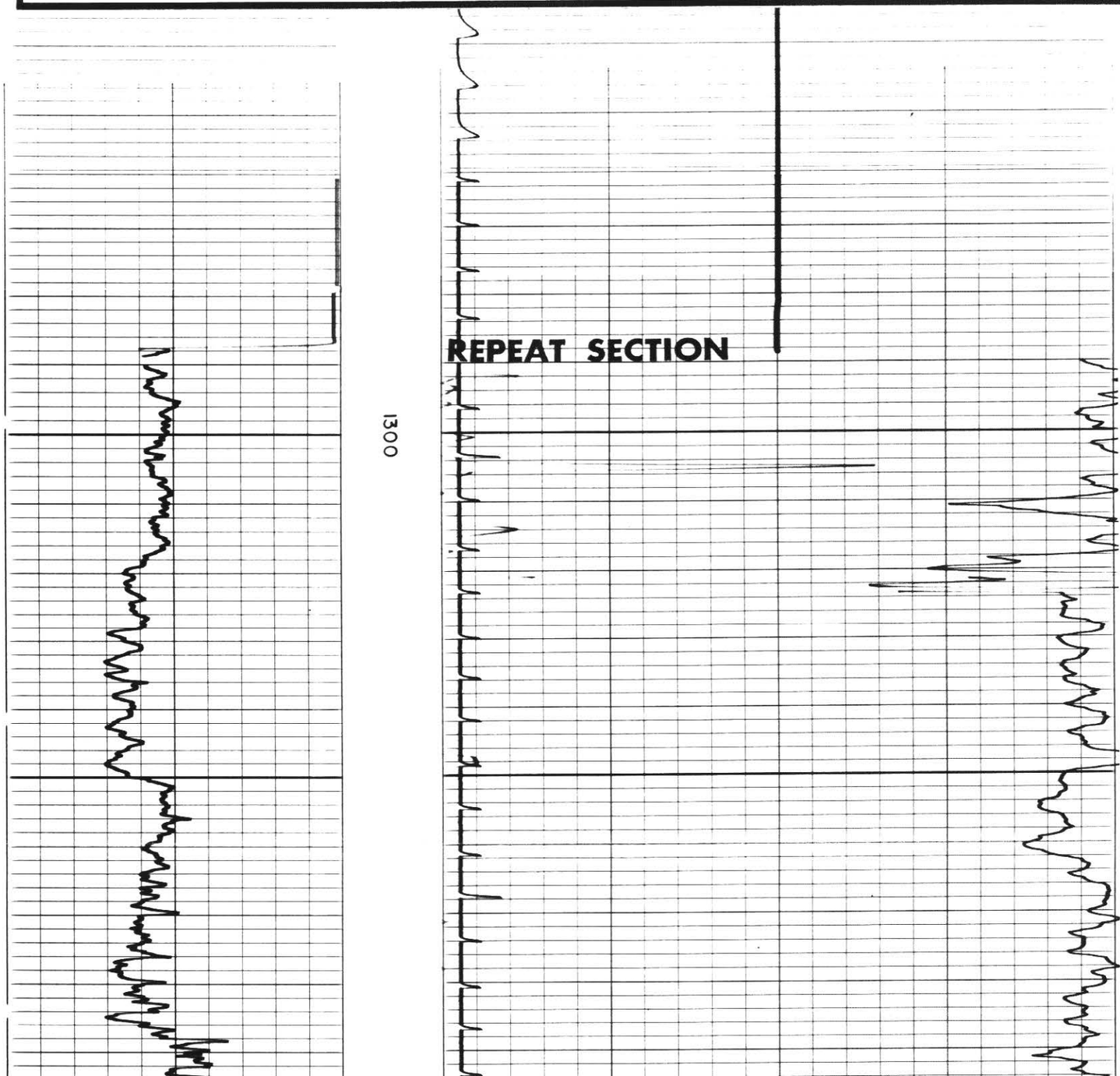
WELL KINGSTON NO. 1

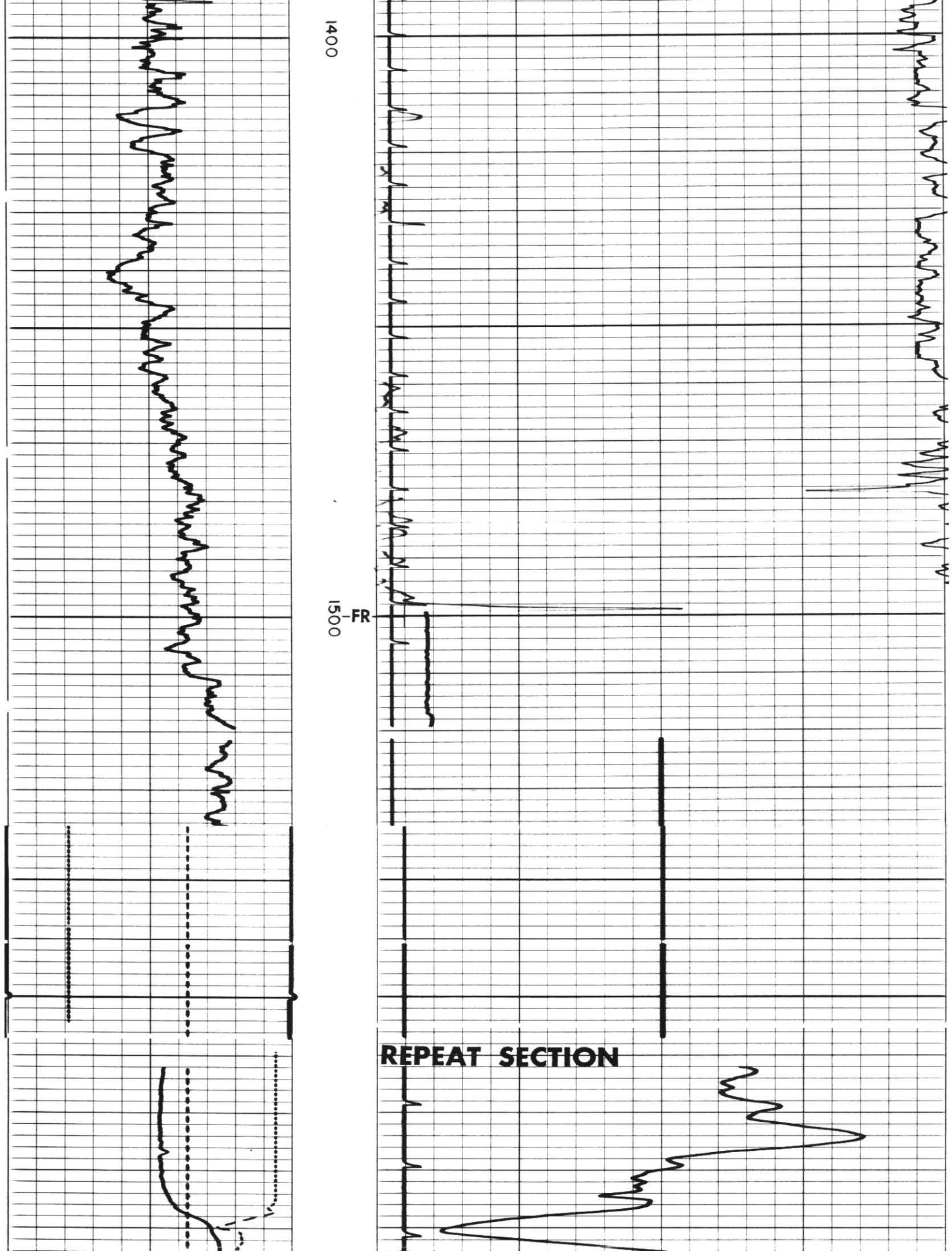
FIELD WILDCAT

COUNTY KITSAP STATE WASHINGTON

SCHL. FR 5093
SCHL. TD 5094
DRLR TD 5093
Elev:
KB 303.7
DF
GL 283.0

REPEAT SECTION

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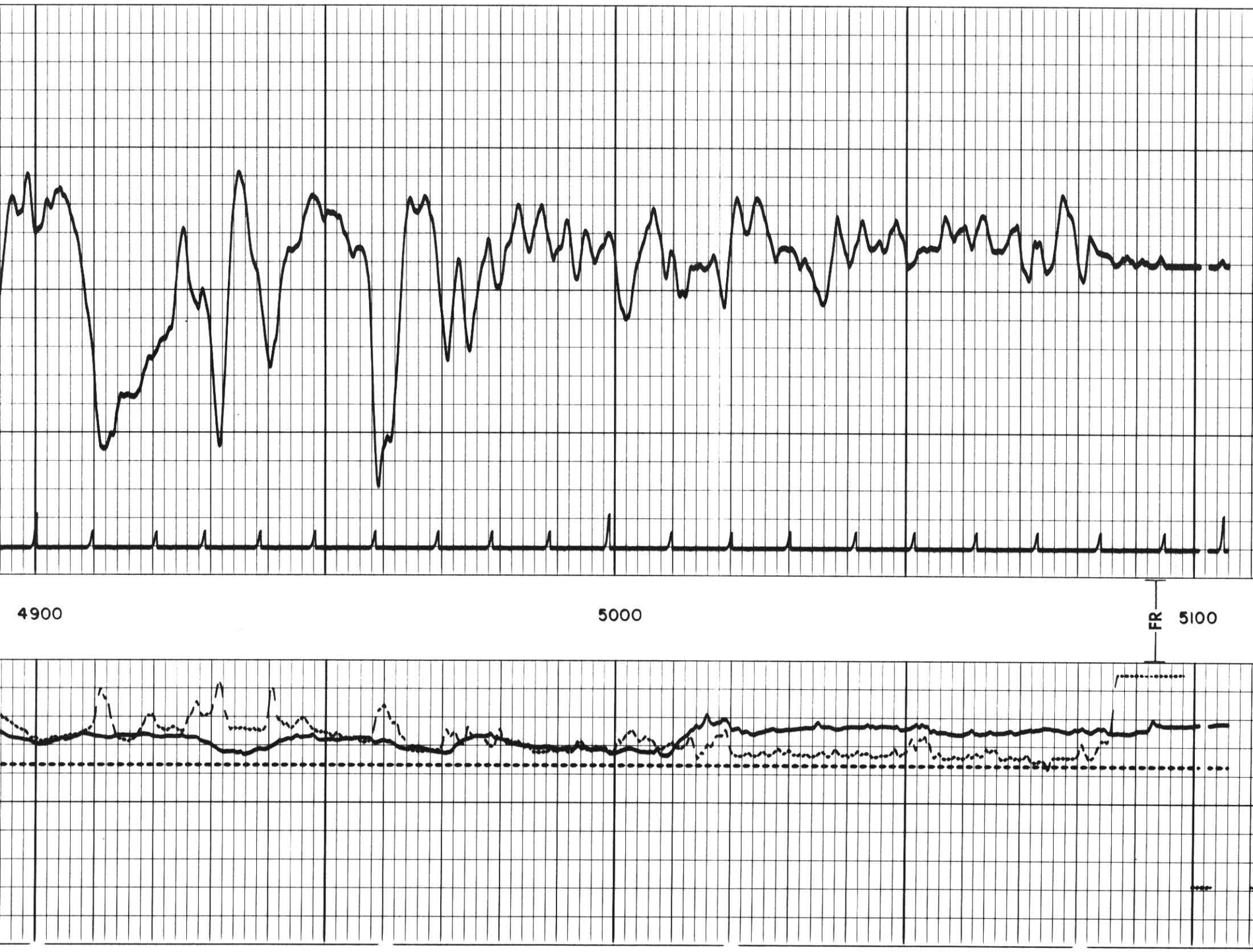
FR
REPEAT SECTION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FR
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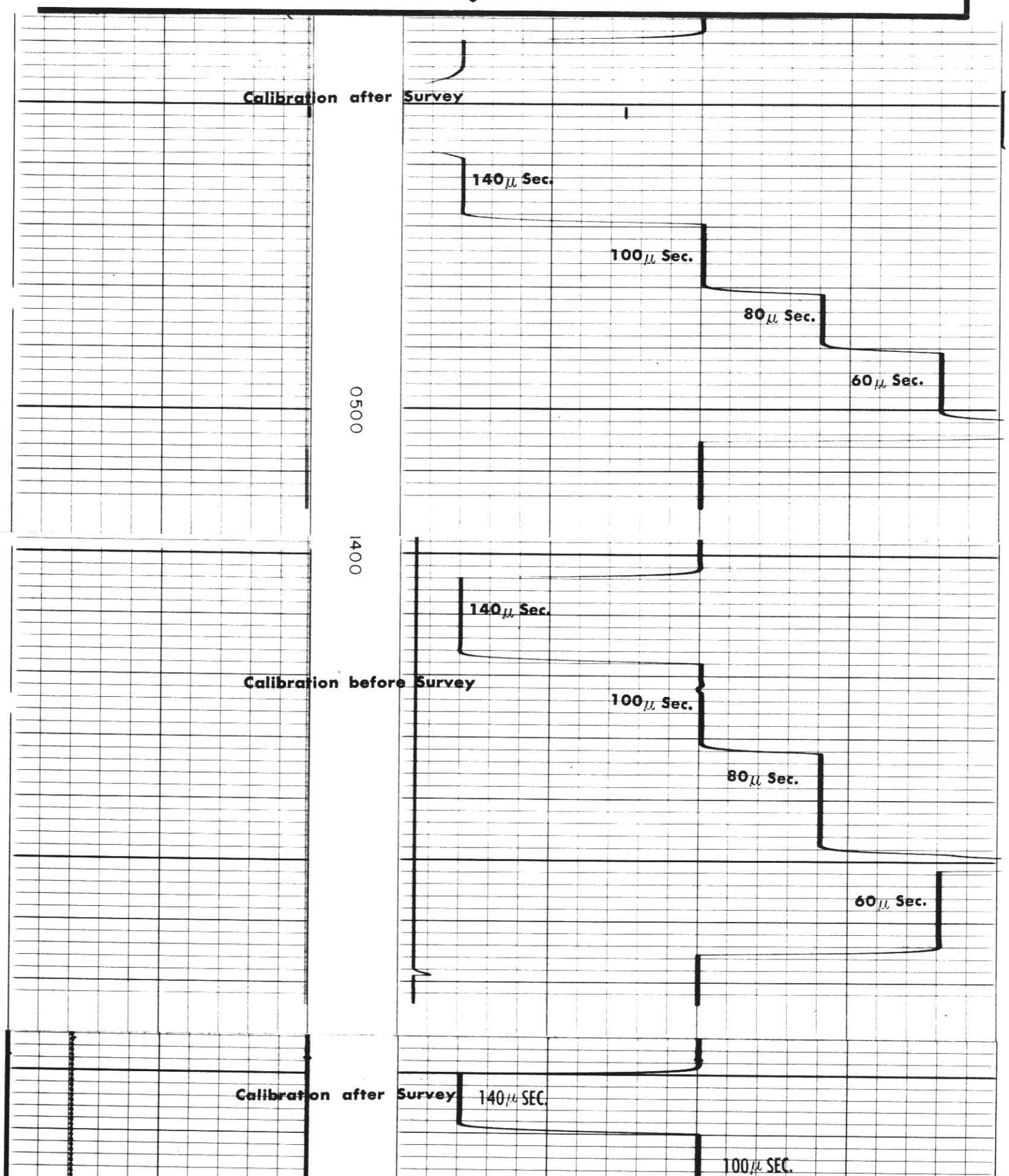
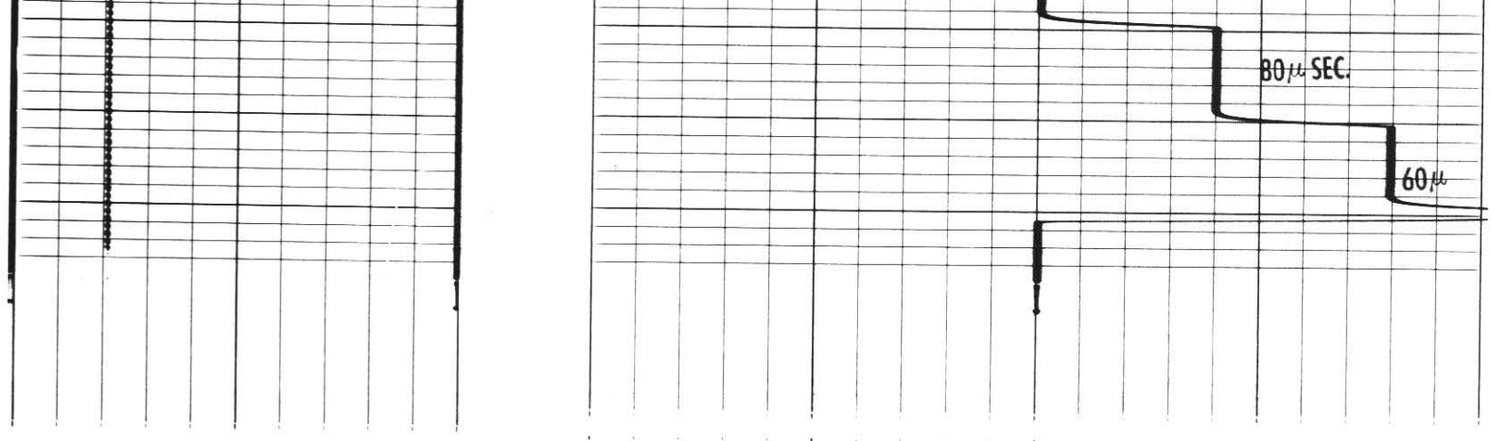
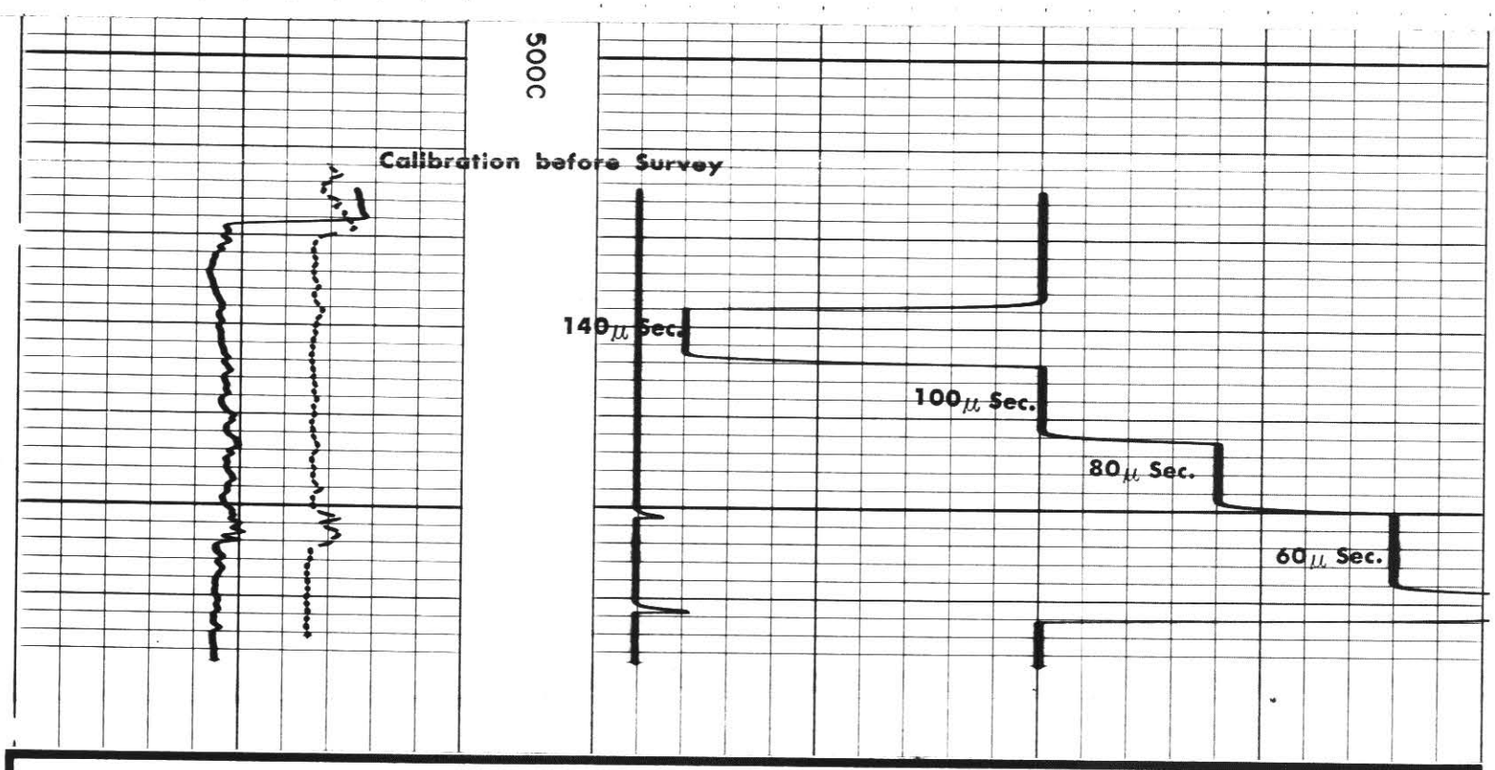
CALIBRATION DATA







CALIBRATION DATA

COMPANY MOBIL OIL CORPORATION

WELL KINGSTON NO. 1

FIELD WILDCAT

COUNTY KITSAP STATE WASHINGTON

SCHL. FR 5093
SCHL. TD 5094
DRLR TD 5093
Elev:
KB 303.7
DF
GL 283.0

SWS-1129-B