



Dual Induction Focused Log

WITH LINEAR CORRELATION LOG

FILE NO. R-539 COMPANY E. G. & G. IDAHO INC.
 WELL R.R.G.P. #5
 FIELD RAFT RIVER GEOTHERMAL
 COUNTY CASSIA STATE IDAHO
 LOCATION: SEC 22 TWP 25S RGE 26E Other Services _____

Permanent Datum G.L. = Elev. 5008 KB 5008
 Log Measured from K.B. 20 Ft. Above Permanent Datum DF 5007
 Drilling Measured from K.B. GL 4988

Date	<u>7/23/78</u>				
Run No.	<u>TWO</u>				
Depth—Driller	<u>4920</u>				
Depth—Logger	<u>4920</u>				
Bottom Logged Interval	<u>4918</u>				
Top Logged Interval	<u>1515</u>				
Casing—Driller	<u>13 3/8 @ 1510</u>	@	@	@	@
Casing—Logger	<u>1515</u>				
Bit Size	<u>12 1/2</u>				
Type Fluid in Hole	<u>SALT WATER</u>				
	@	@	@	@	@
Density and Viscosity					
pH and Fluid Loss		cc	cc	cc	cc
Source of Sample					
Rm @ Meas. Temp.	<u>5.1 @ 96 °F</u>	@	°F	@	°F
Rmf @ Meas. Temp.	@ °F	@	°F	@	°F
Rmc @ Meas. Temp.	@ °F	@	°F	@	°F
Source of Rmf and Rmc					
Rm @ BHT	<u>1.8 @ 271 °F</u>	@	°F	@	°F
Time Since Circ.					
Max. Rec. Temp. Deg. F.	<u>271 °F</u>		°F		°F
Equip. No. and Location	<u>HL6159 RSVT</u>				
Recorded By	<u>PERESSINI</u>				
Witnessed By	<u>GOLDMAN</u>				

THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-31

FOLD HERE 1 *RE* REMARKS REPEAT SECTION RECORDED 5' DEEP.

Equipment Used

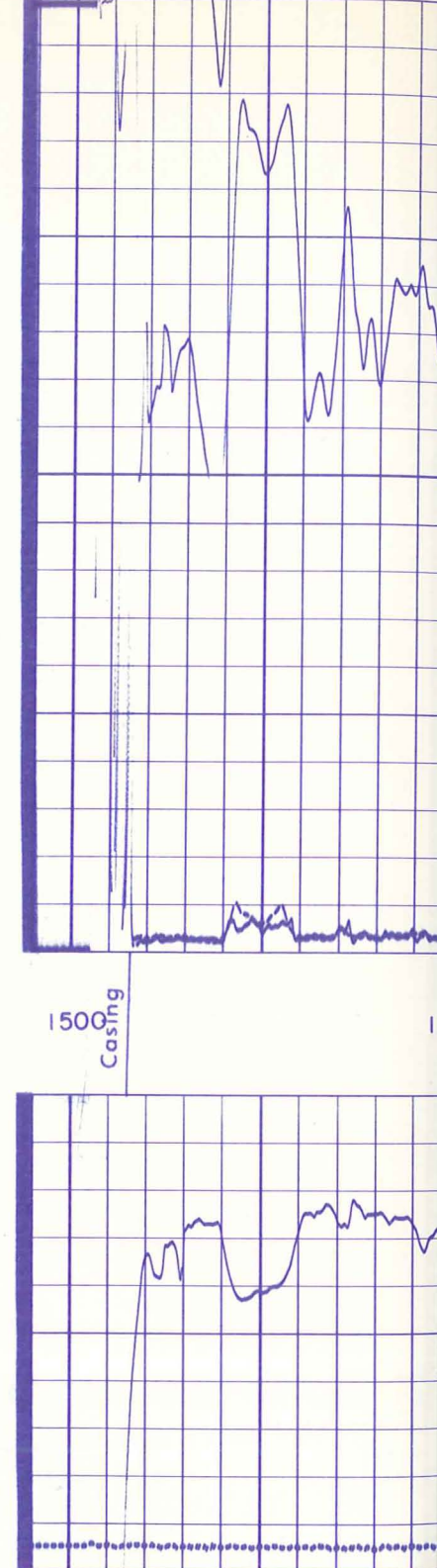
Series No.	<u>1503</u>
Run No.	<u>ONE</u>
S.O.	<u>87799</u>
Tool No.	<u>37795</u>
Elec. No.	<u>37795</u>
Panel No.	<u>34826</u>
C.S.	<u>160</u>

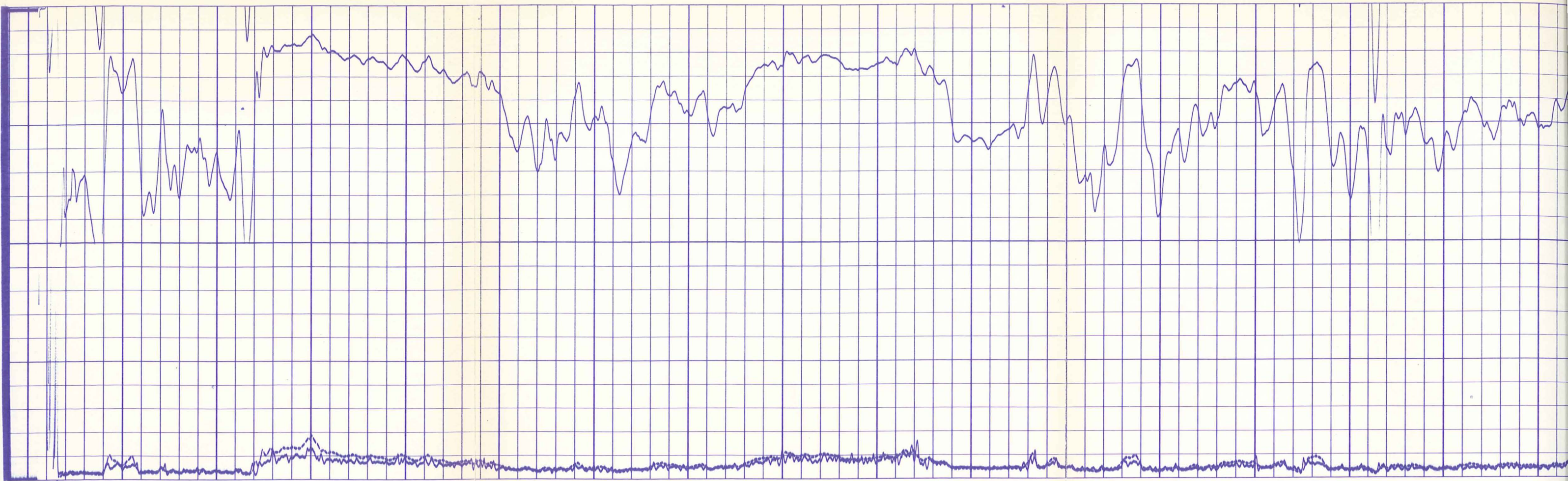
Scale Changes

Type Log		Depth		Scale Up Hole		Scale Down Hole	
Changes in Mud Type or Additional Samples							
Date	Sample No.	Depth-Driller	Type Fluid in Hole	Dens.	Visc.	pH	Fluid Loss

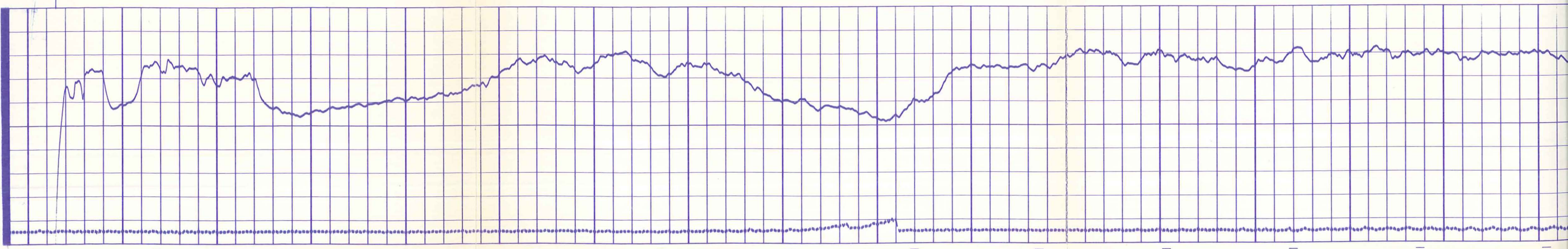
Run No.	<u>TWO</u>	Tool Type	<u>DIFL 1503</u>	Pad Type	<u>1 1/2" S.O.</u>	Other	
°F	@	°F	@	°F	@	°F	@
°F	@	°F	@	°F	@	°F	@
°F	@	°F	@	°F	@	°F	@
Source Rmf / Rmc							
Rm @ BHT							
Rmf @ BHT							
Rmc @ BHT							

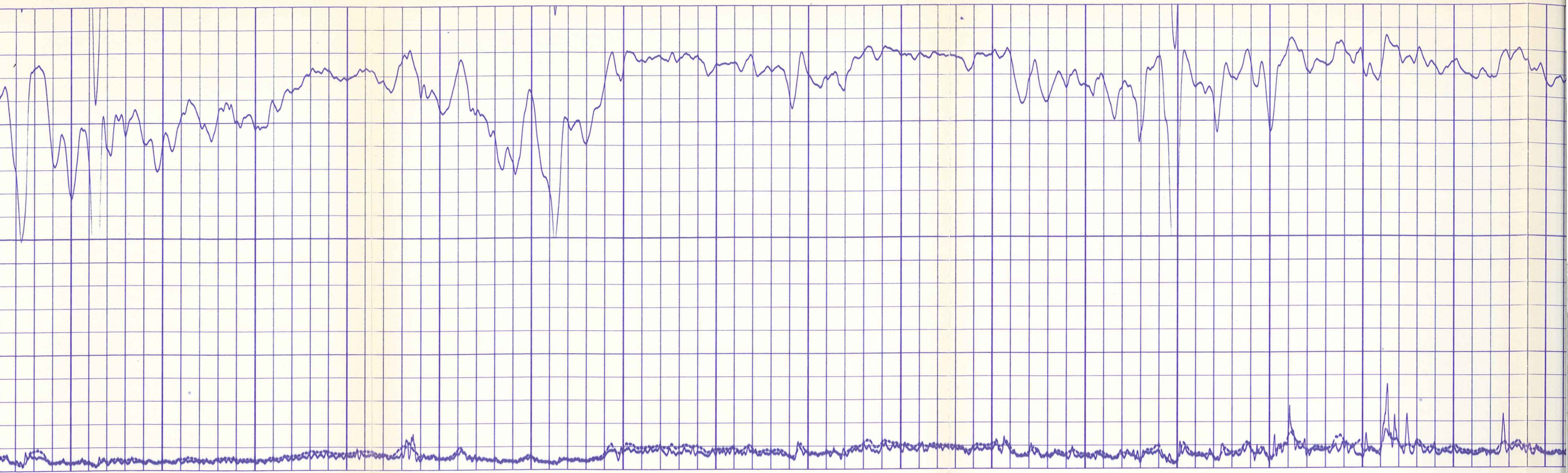
SPONTANEOUS POTENTIAL Millivolts	10 — — — — — + 500LBS/CD Tension Curve ↑	DEPTH	CONDUCTIVITY Millimhos/m
			RESISTIVITY Ohms m ² /m
SHALLOW FOCUSED LOG 0 100 1000 DEEP INDUCTION LOG 100 1000		INDUCTION CONDUCTIVITY DEEP INDUCTION LOG 0 500 1000 5000	





1500 Casing 1600 1700 1800 1900 2000 2100 2200 2300





2200

2300

2400

2500

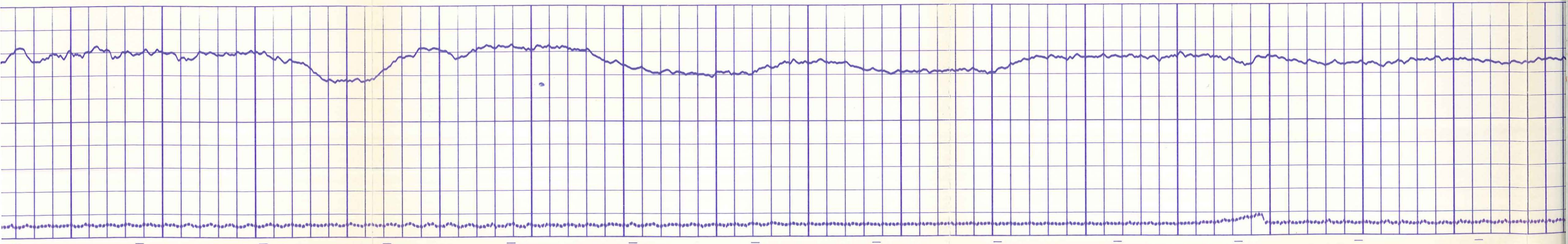
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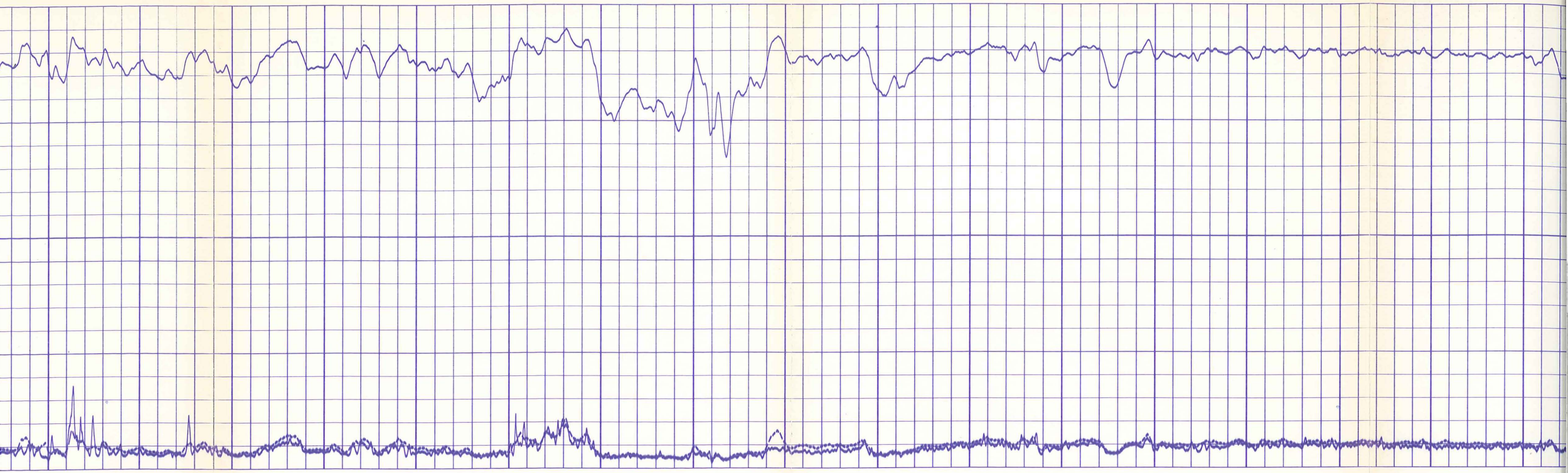
2700

2800

2900

3000





2900

3000

3100

3200

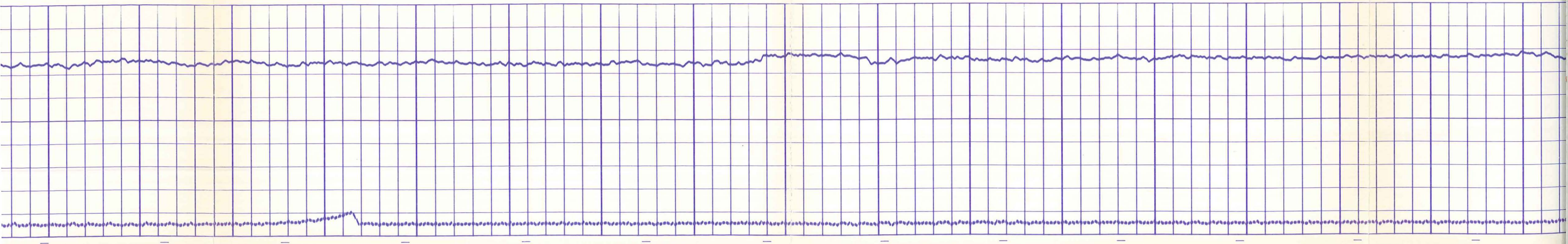
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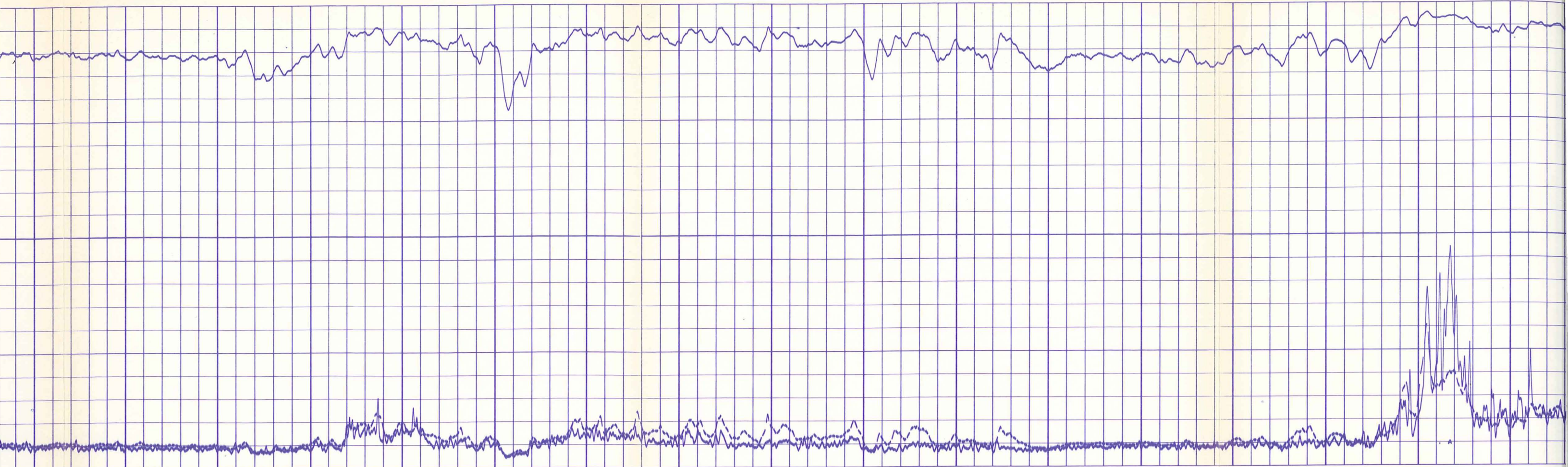
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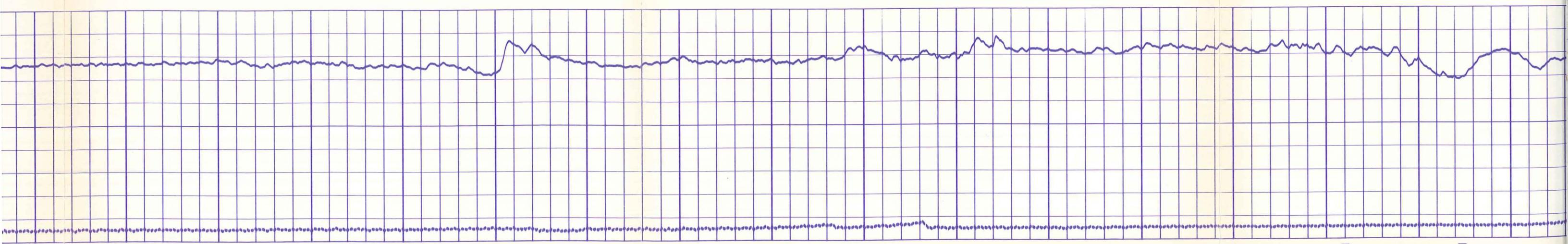
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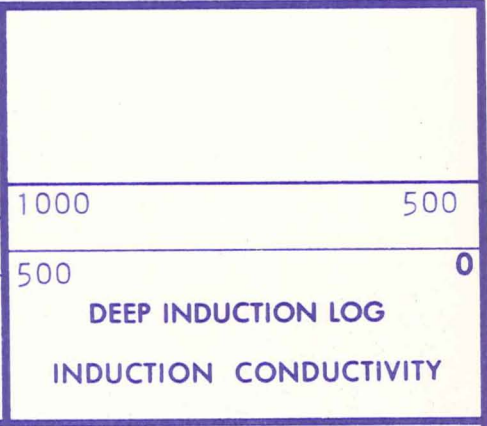
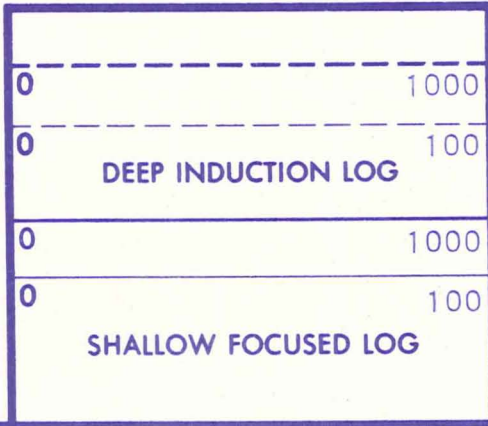
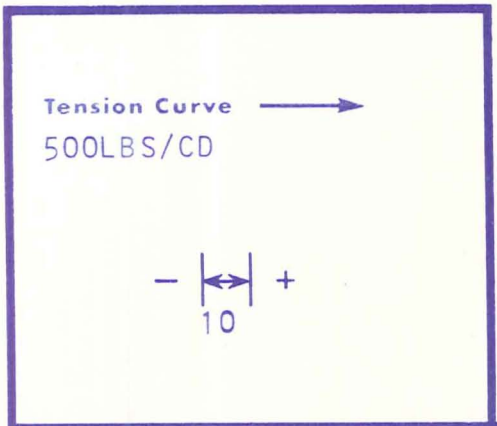
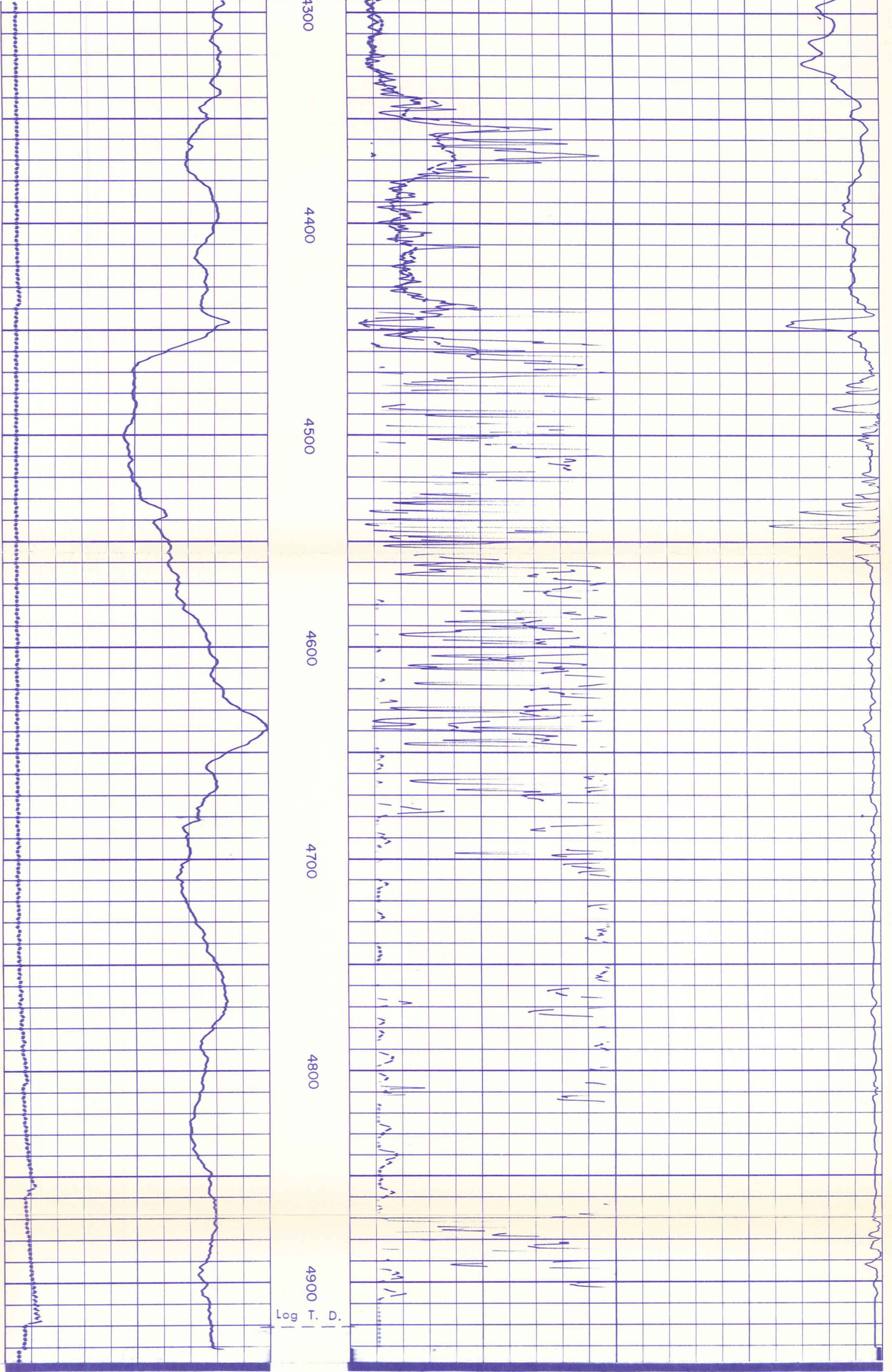
3700





3600 3700 3800 3900 4000 4100 4200 4300 4400



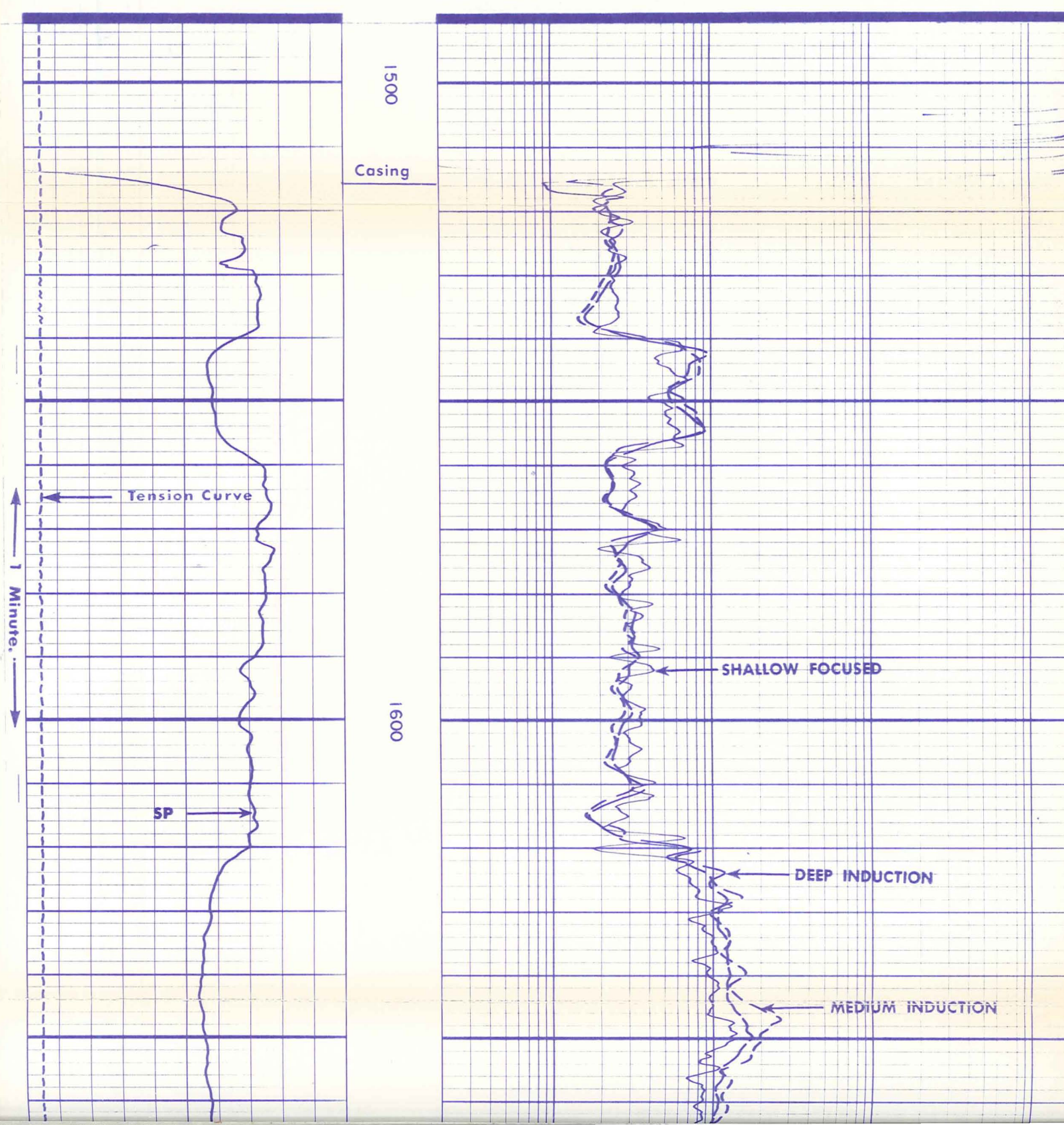


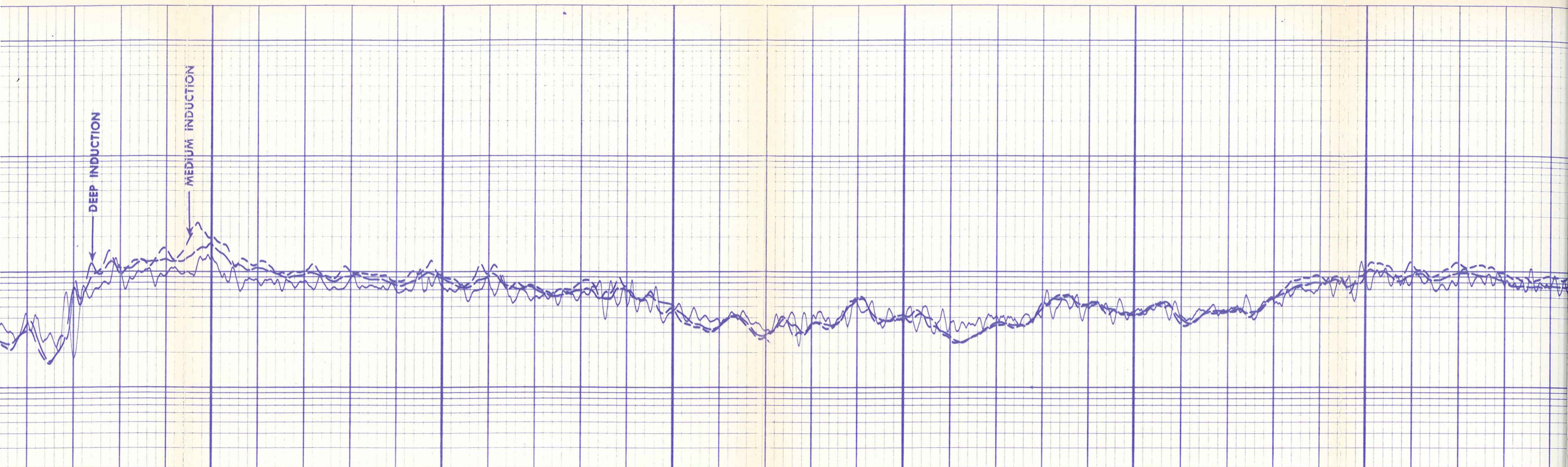
SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY Ohms m ² /m	CONDUCTIVITY Millimhos/m
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Company	E. G. & G. IDAHO INC.	Drillers T.D.	4920
Well	R.R.G.P. #5	Log F.R.	4918

		0 1000 0 100 SHALLOW FOCUSED LOG	500 0 DEEP INDUCTION LOG INDUCTION CONDUCTIVITY
SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY Ohms m ² /m	CONDUCTIVITY Millimhos/m
Company E. G. & G. IDAHO INC. Well R.R.G.P. #5 Field RAFT RIVER GEOTHERMAL County CASSIA State IDAHO		Drillers T.D. 4920 Log F.R. 4918 Log T.D. 4920 Elevations: K.B. 5008 D.F. 5007 G.L. 4988	

SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY ohms - m ² /m
SHALLOW FOCUSED LOG .2 1.0 10 100 1000		
MEDIUM INDUCTION LOG .2 1.0 10 100 1000		
DEEP INDUCTION LOG .2 1.0 10 100 1000		
500LBS/CD Tension Curve →		

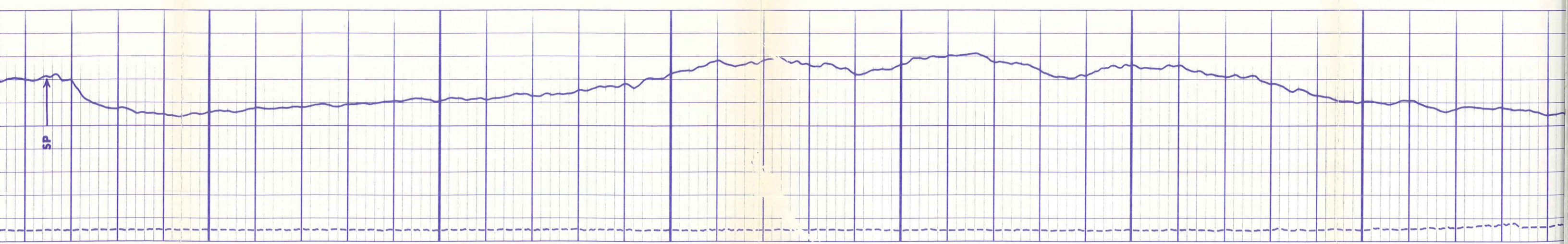


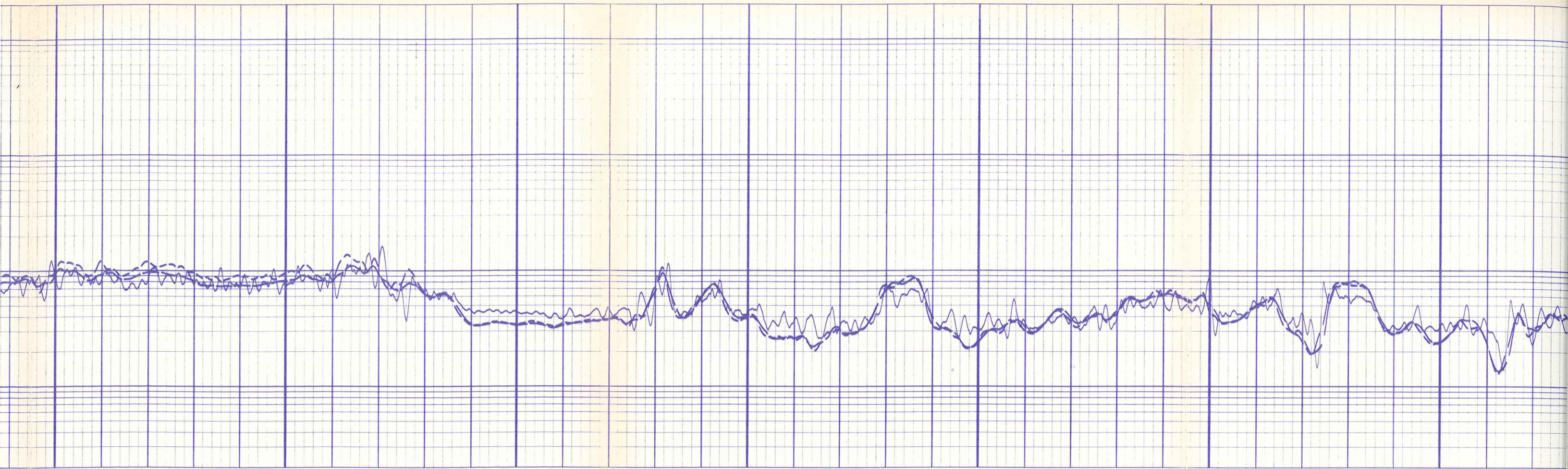


1700

1800

1900



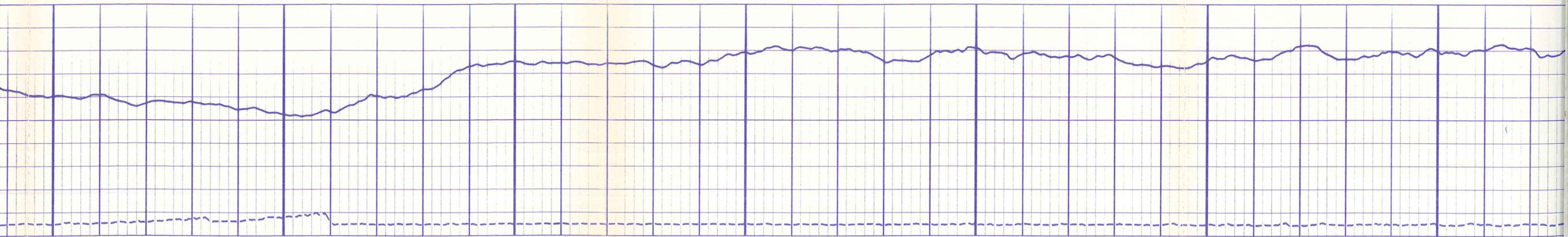


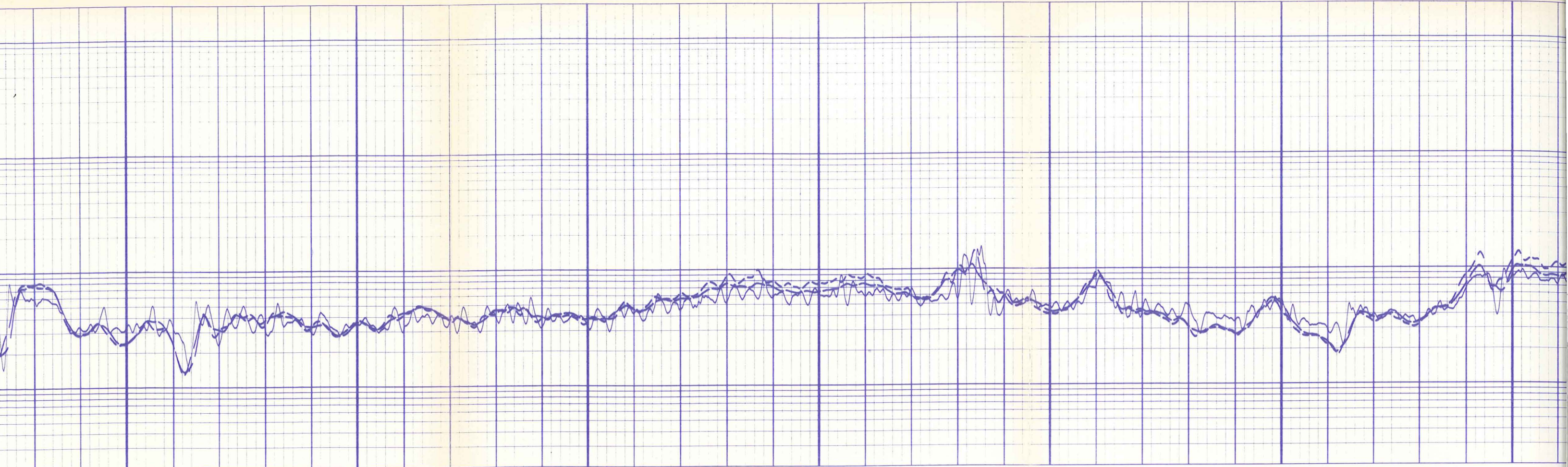
1900

2000

2100

2200



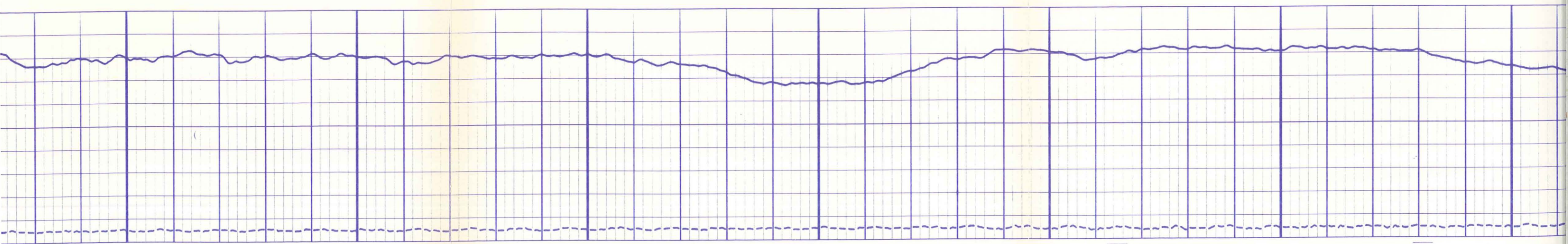


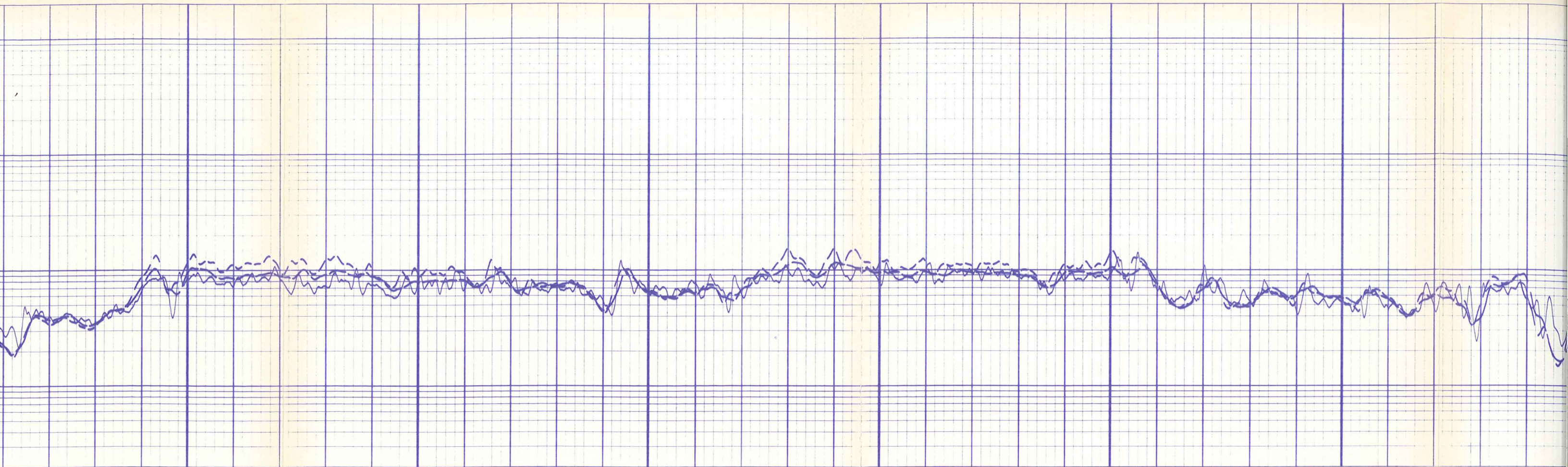
2200

2300

2400

2500



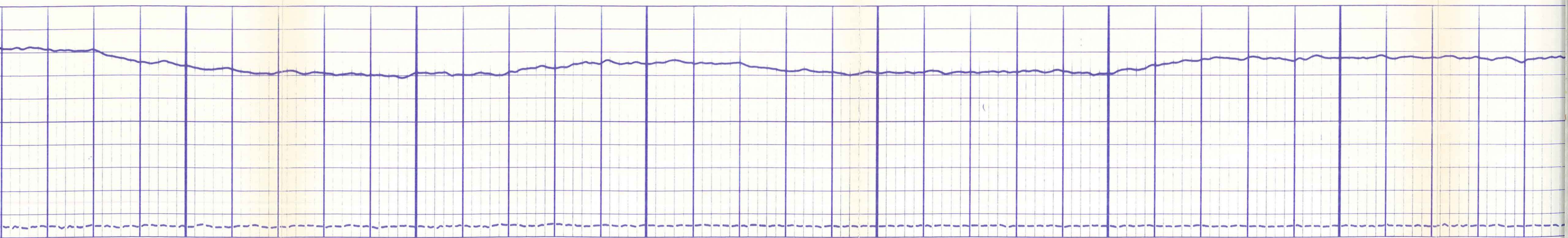


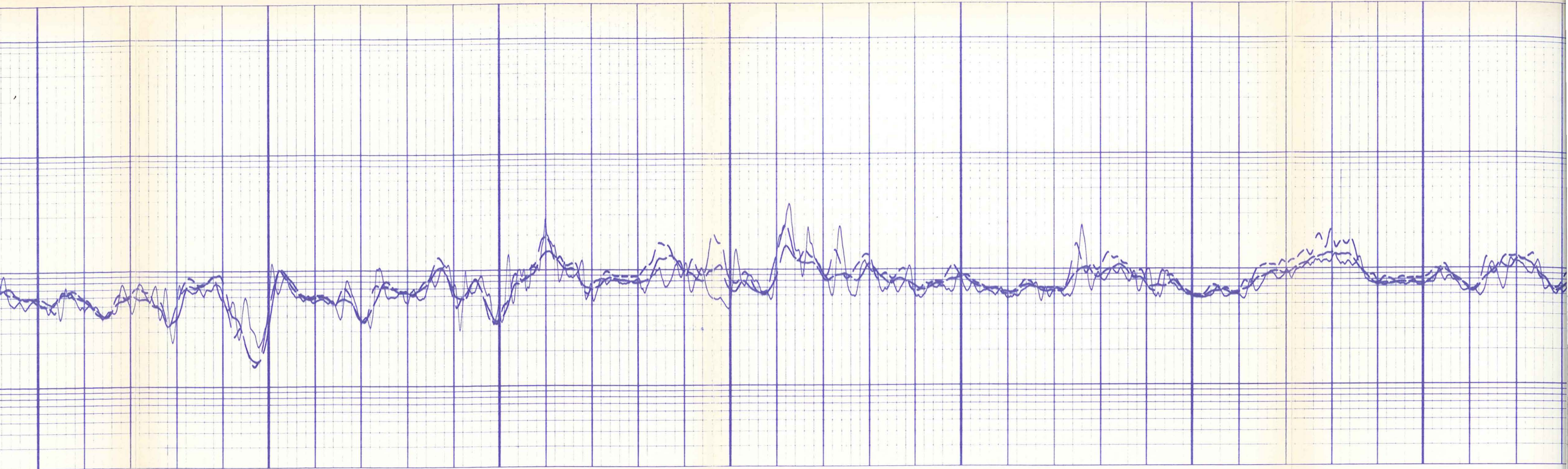
2500

2600

2700

2800



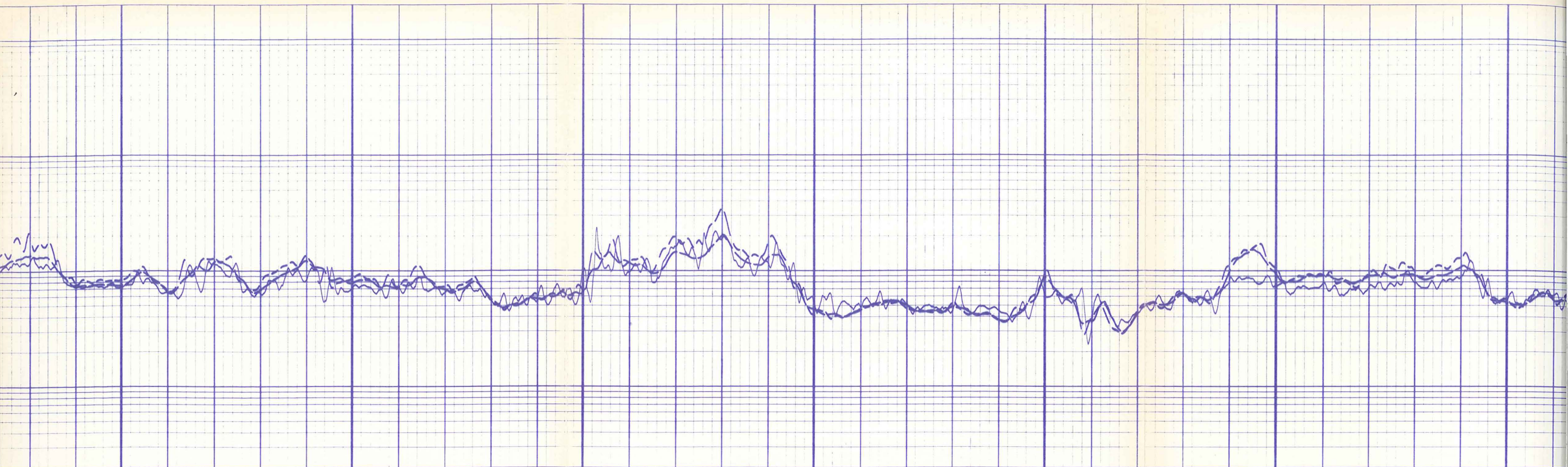


2800

2900

3000

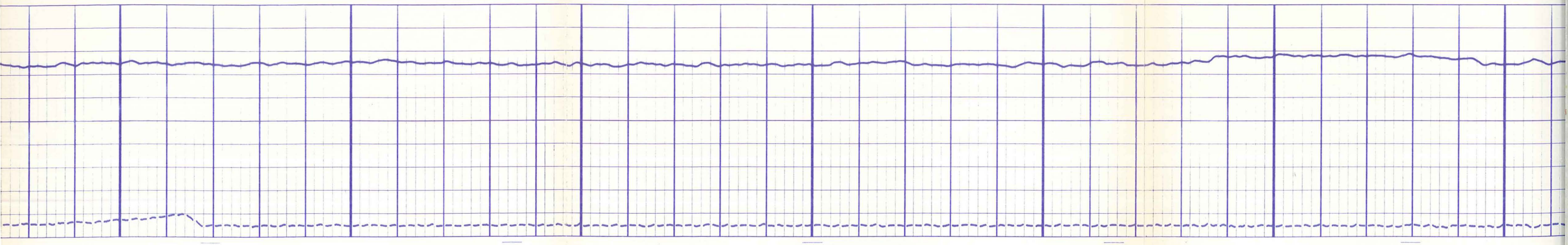


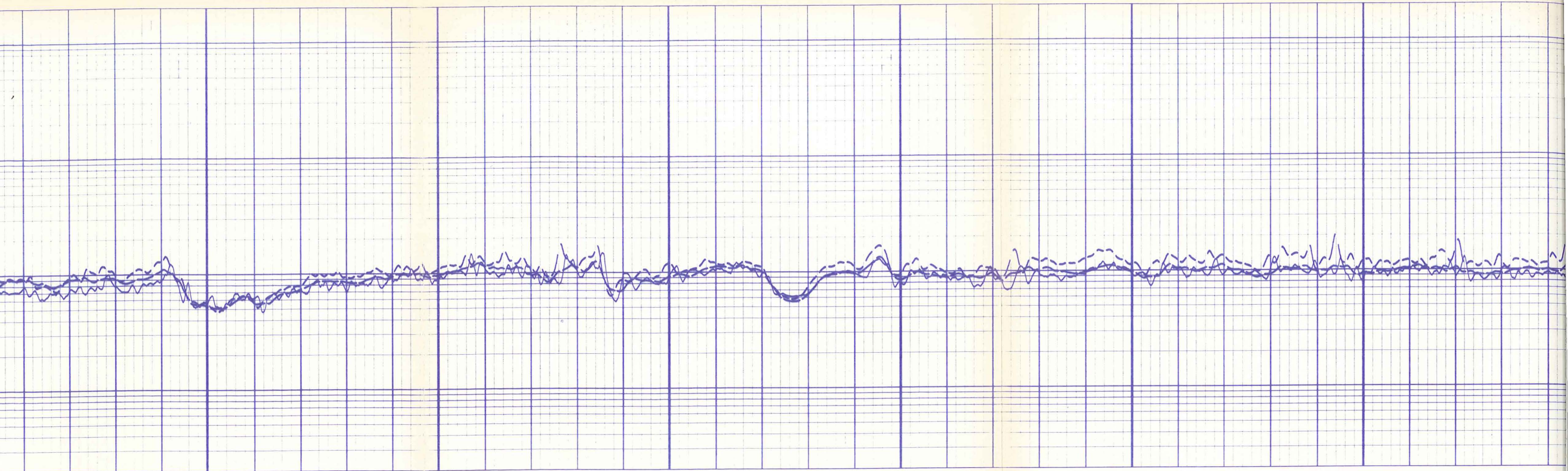


3100

3200

3300

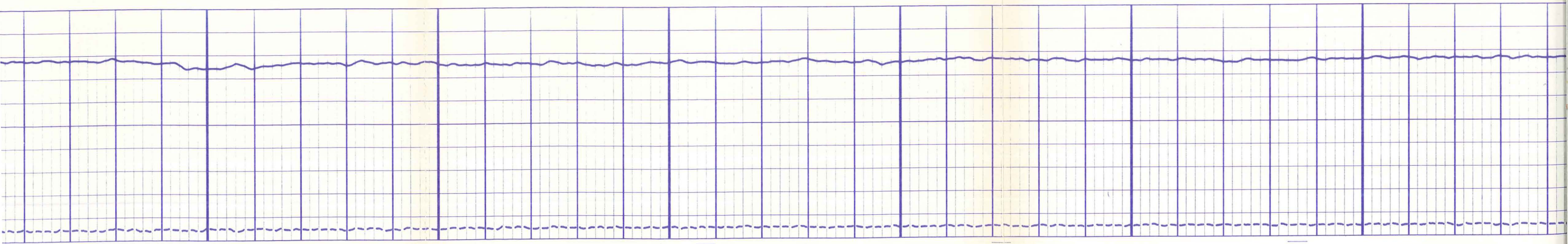


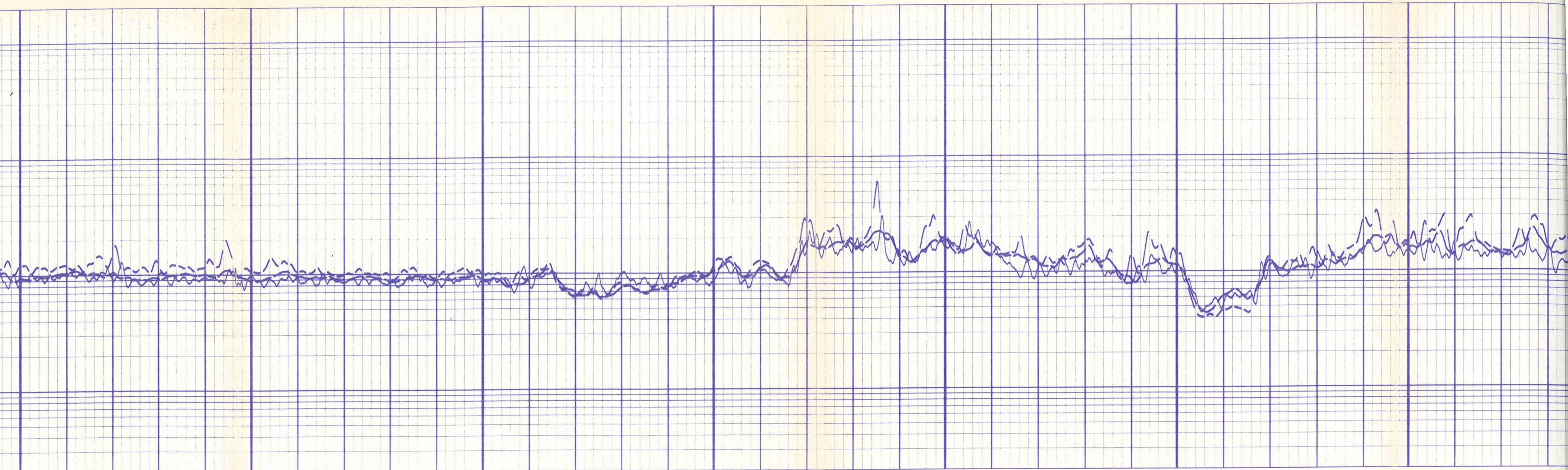


3400

3500

3600



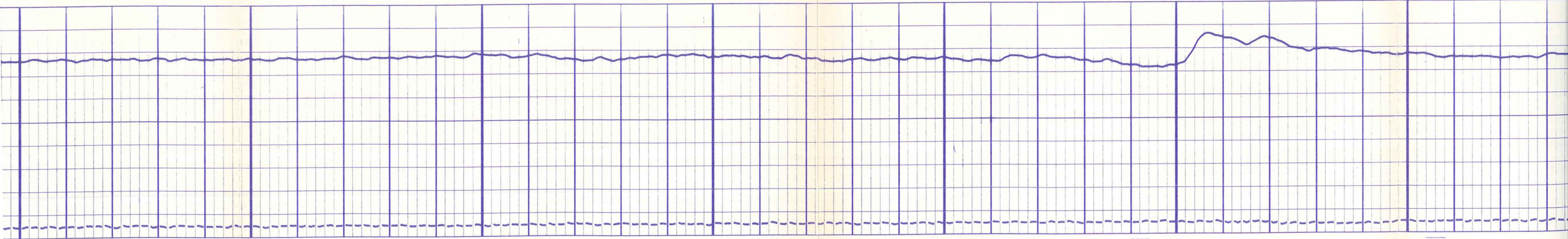


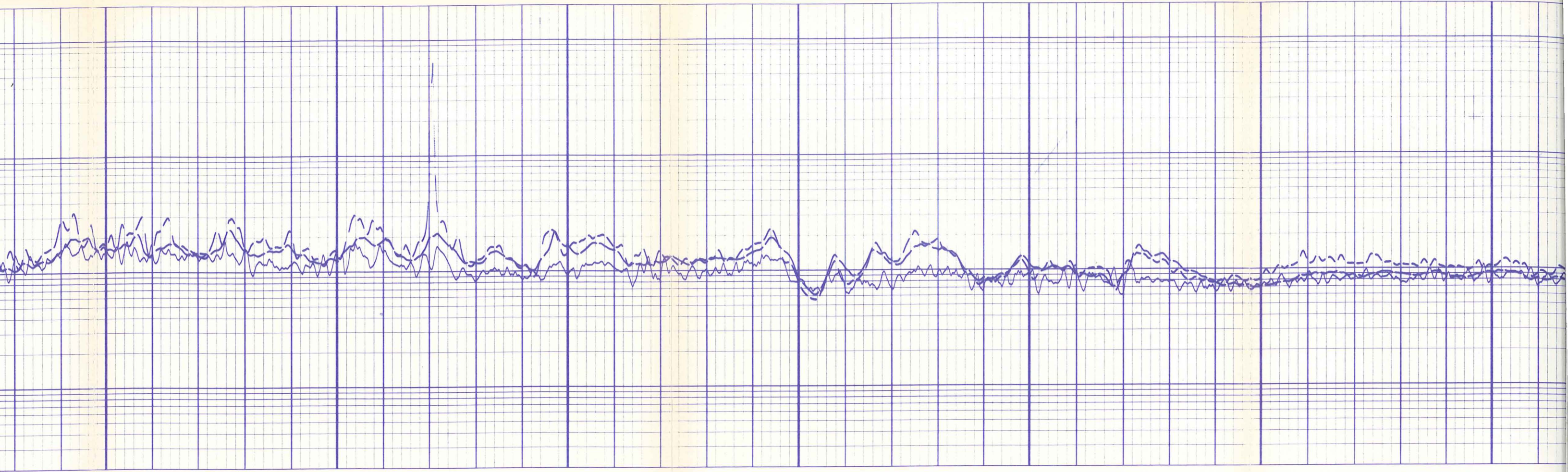
3600

3700

3800

3900



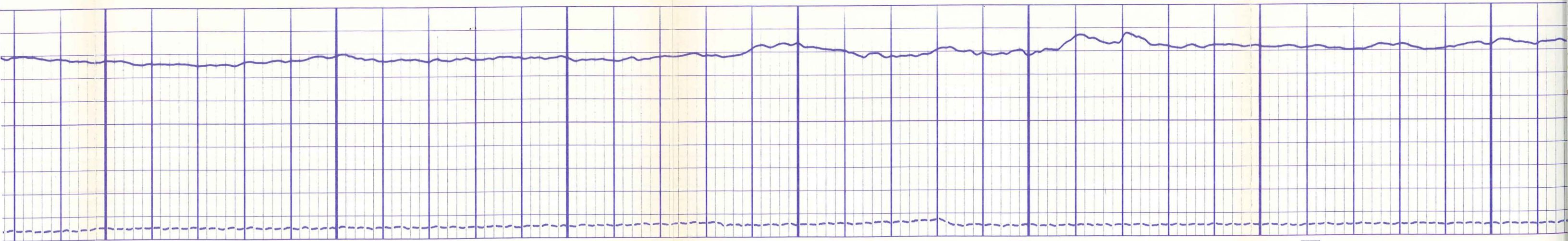


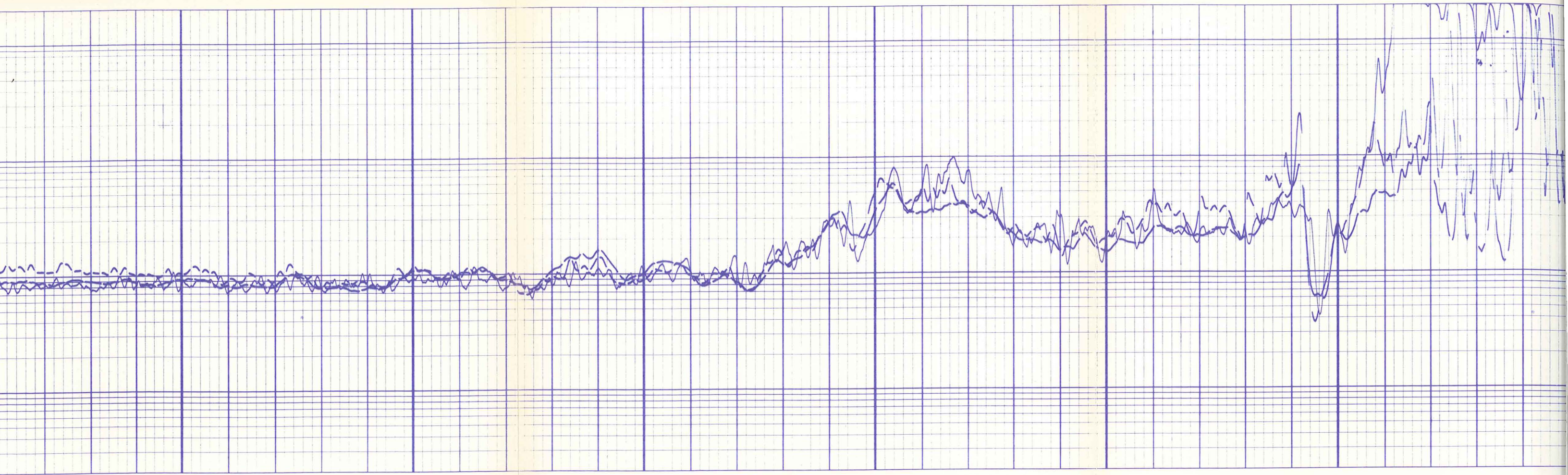
3900

4000

4100

4200



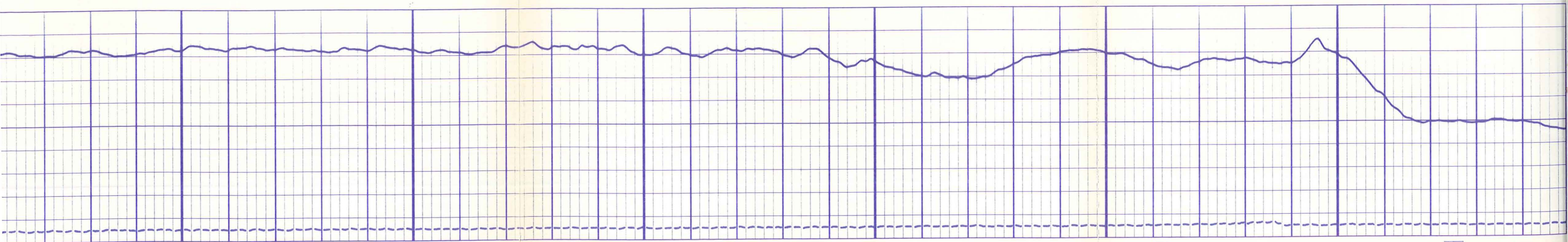


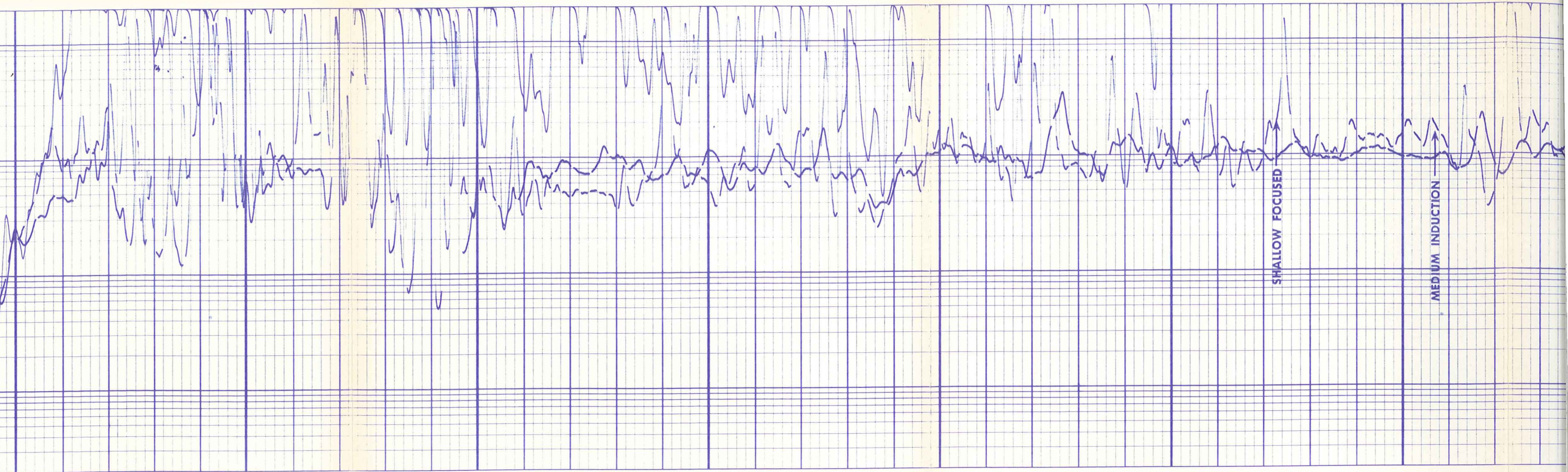
4200

4300

4400

45





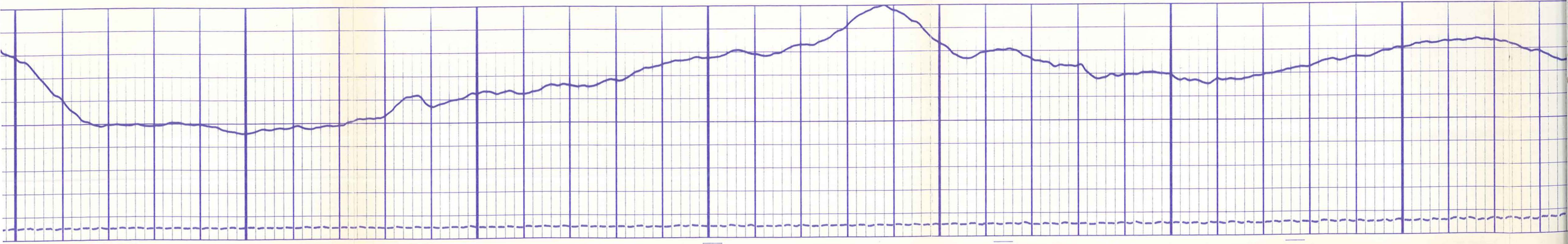
SHALLOW FOCUSED

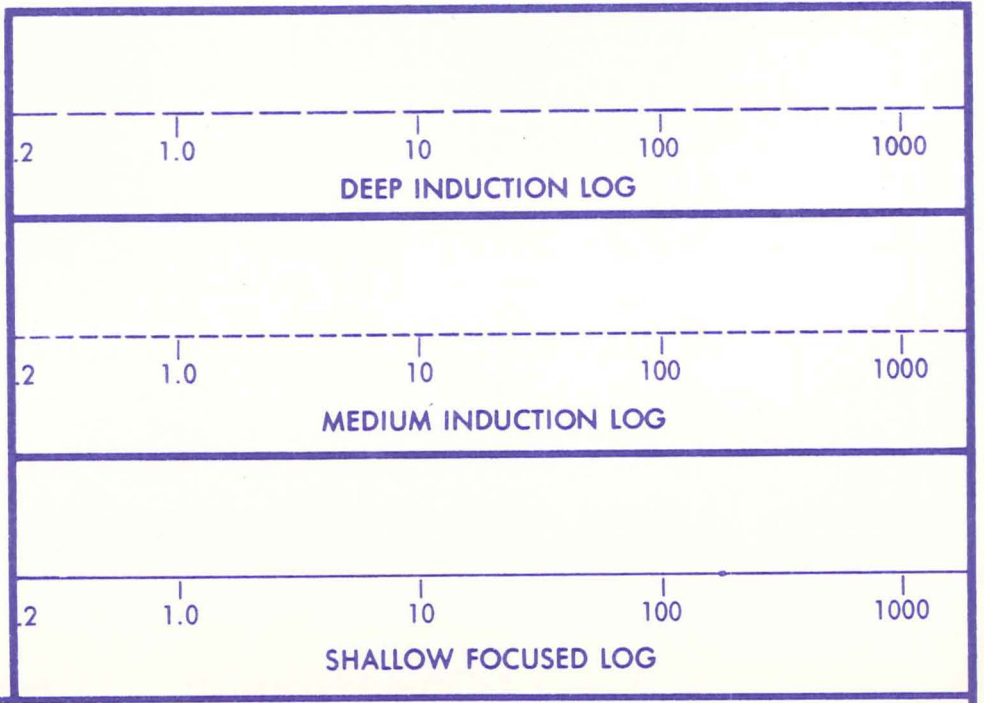
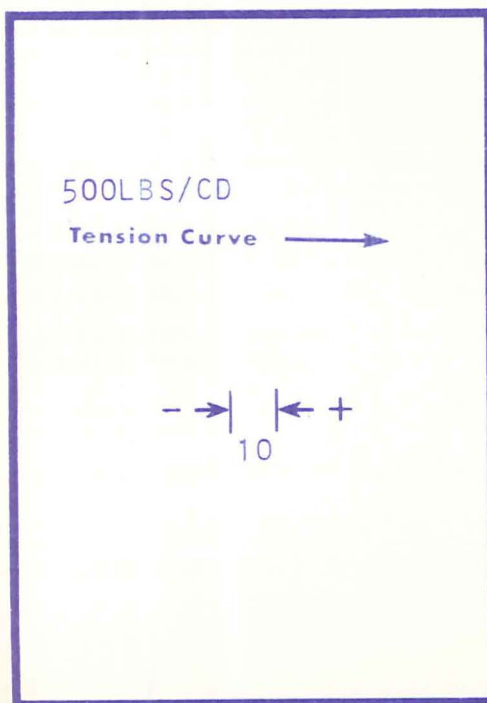
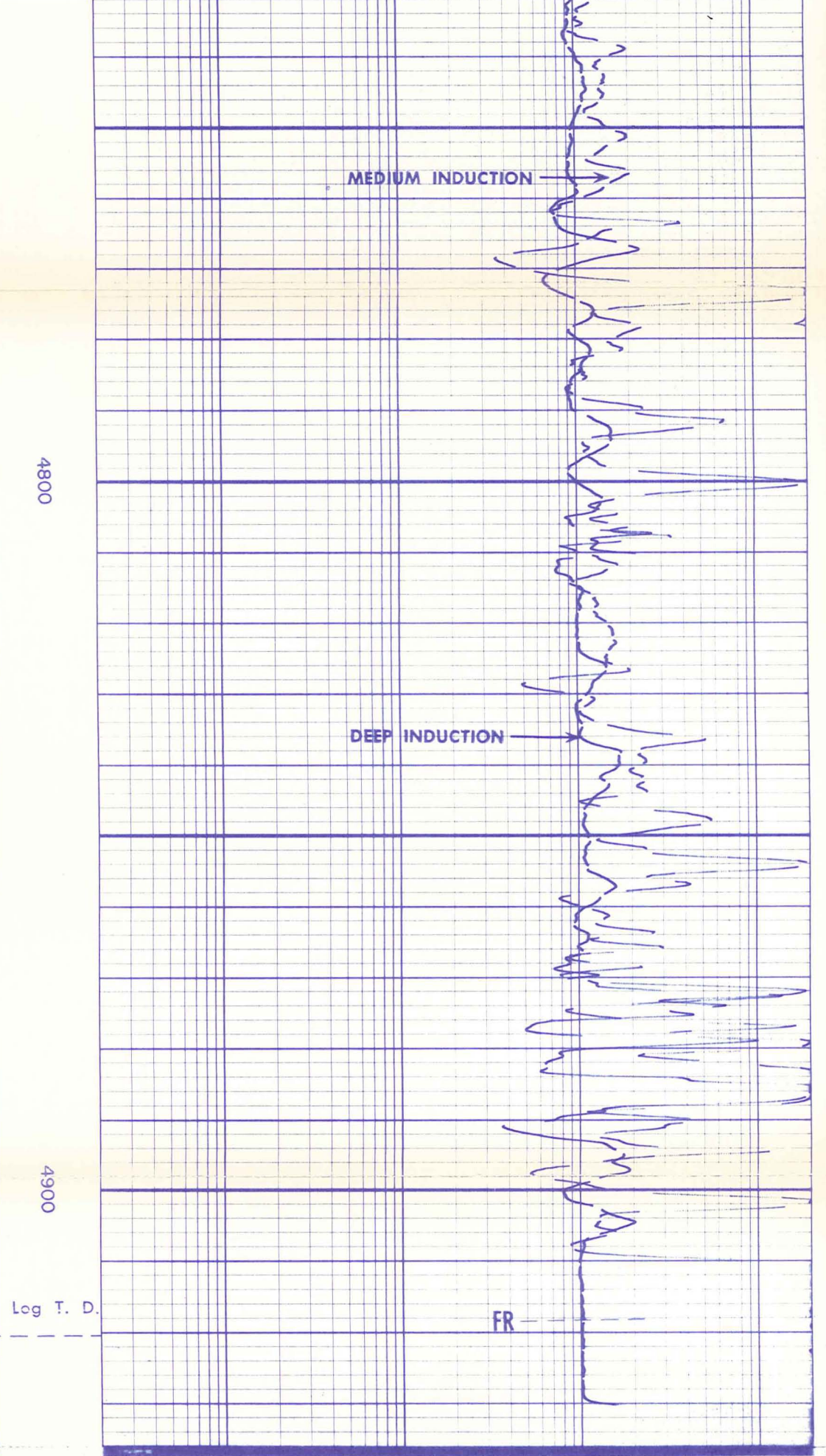
MEDIUM INDUCTION

4500

4600

4700





SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY ohms - m ² /m
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Company	E. G. & G. IDAHO INC.	Drillers T.D.	4920
Well	R.R.G.P. #5	Log F.R.	4918
Field	RAFT RIVER GEOTHERMAL	Log T.D.	4920
County	CASSIA	Elevations:	
State	IDAHO	K.B. 5008	D.F. 5007 G.L. 4988

REPEAT SECTION

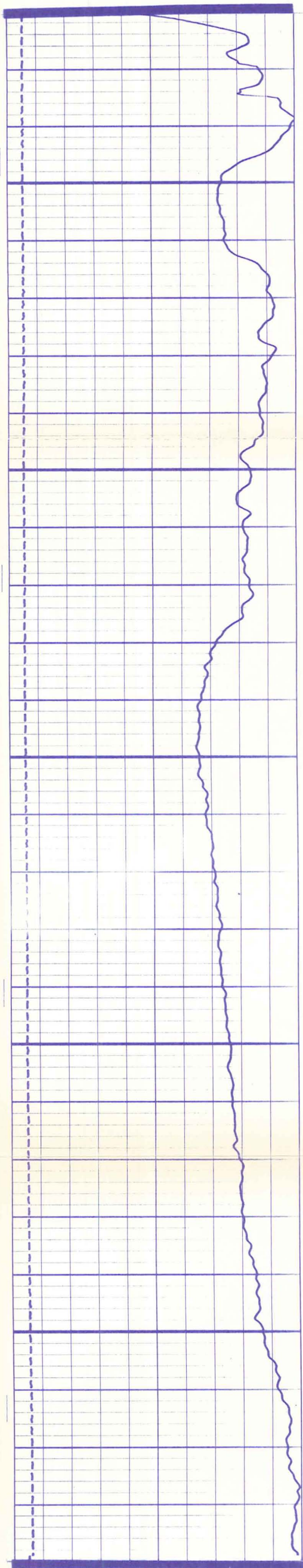
SPONTANEOUS POTENTIAL
Millivolts

DEPTH

RESISTIVITY
ohms - m²/m

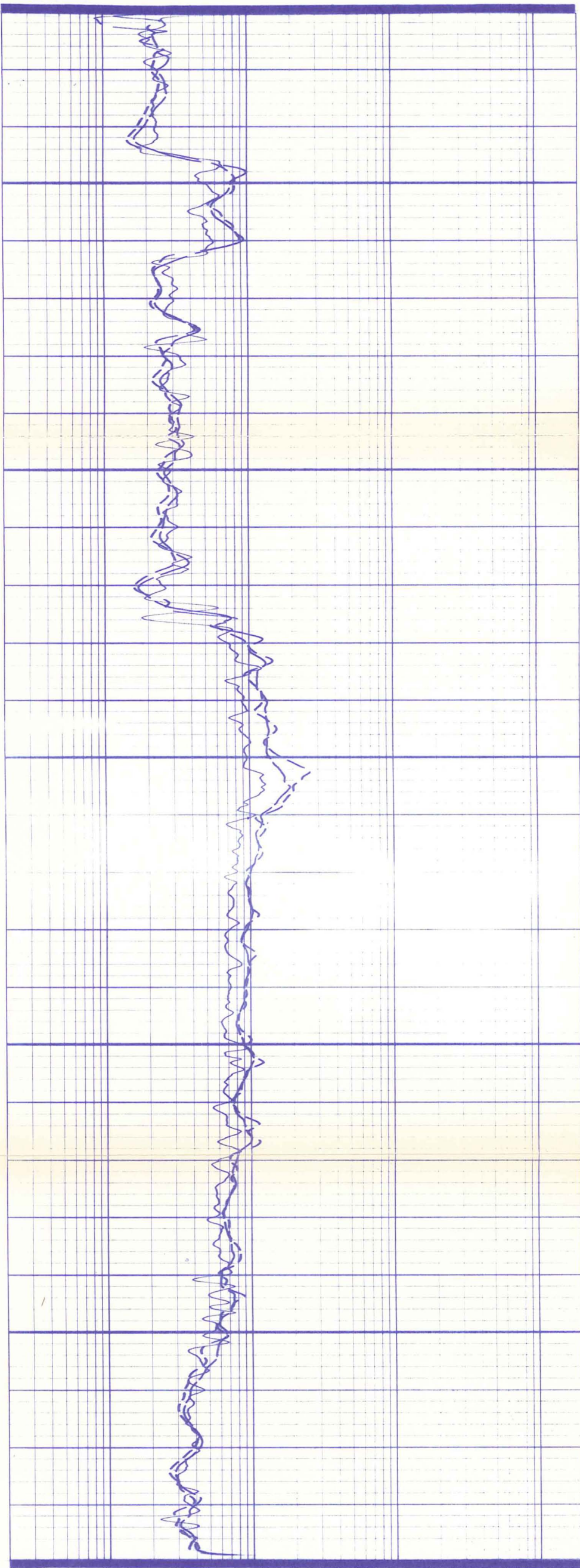
Company	E. G. & G. IDAHO INC.	Drillers T.D.	4920
Well	R.R.G.P. #5	Log F.R.	4918
Field	RAFT RIVER GEOTHERMAL	Log T.D.	4920
County	CASSIA	Elevations:	
State	IDAHO	K.B. 5008	D.F. 5007 G.L. 4988

REPEAT SECTION

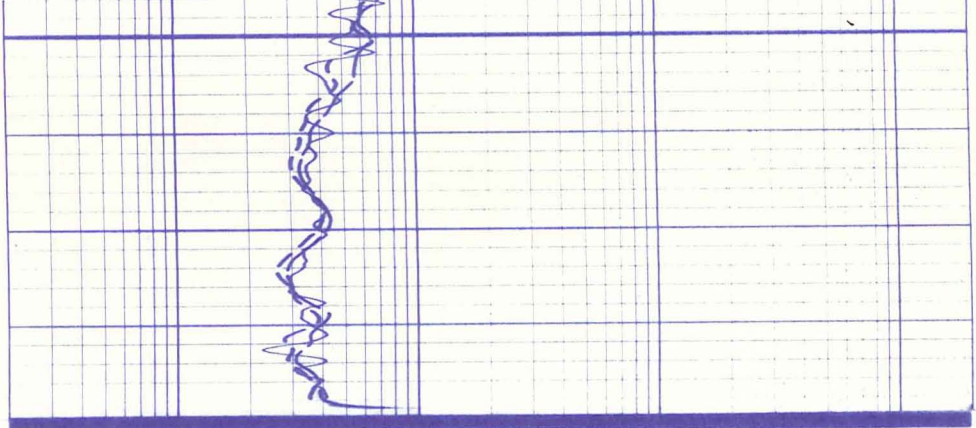
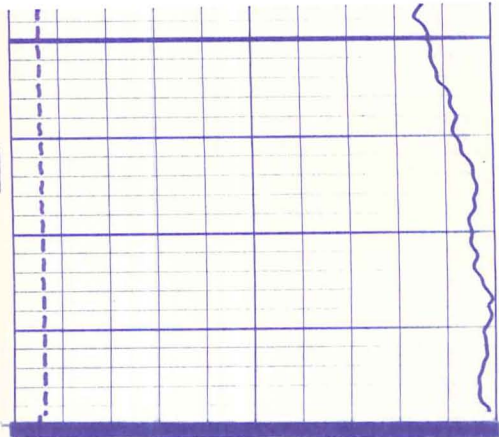


1600

1700



CALIBRATION

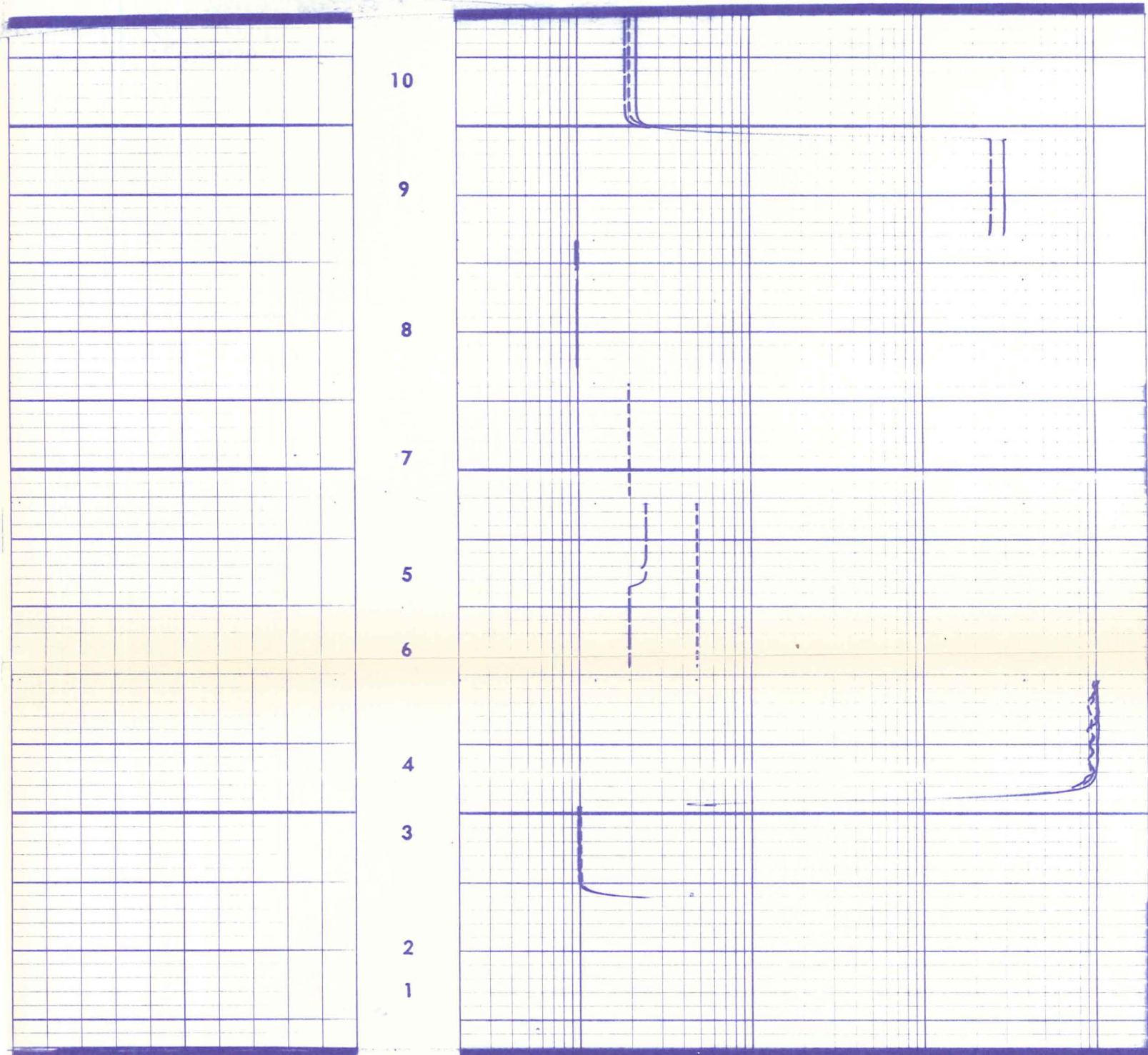


CALIBRATION

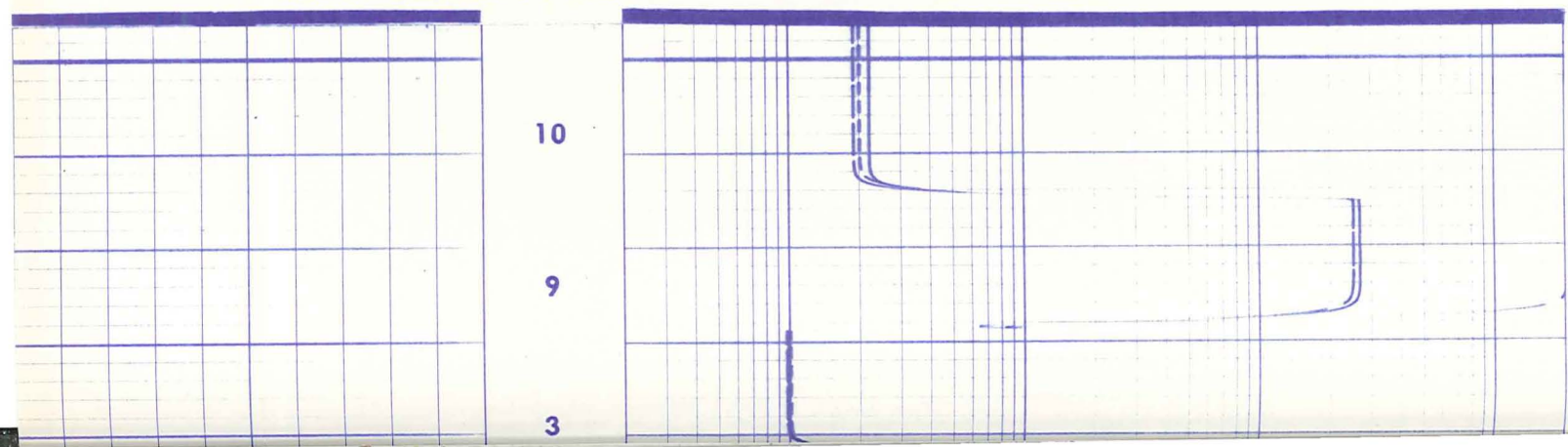
DUAL INDUCTION FOCUSED LOG (LOGARITHMIC)

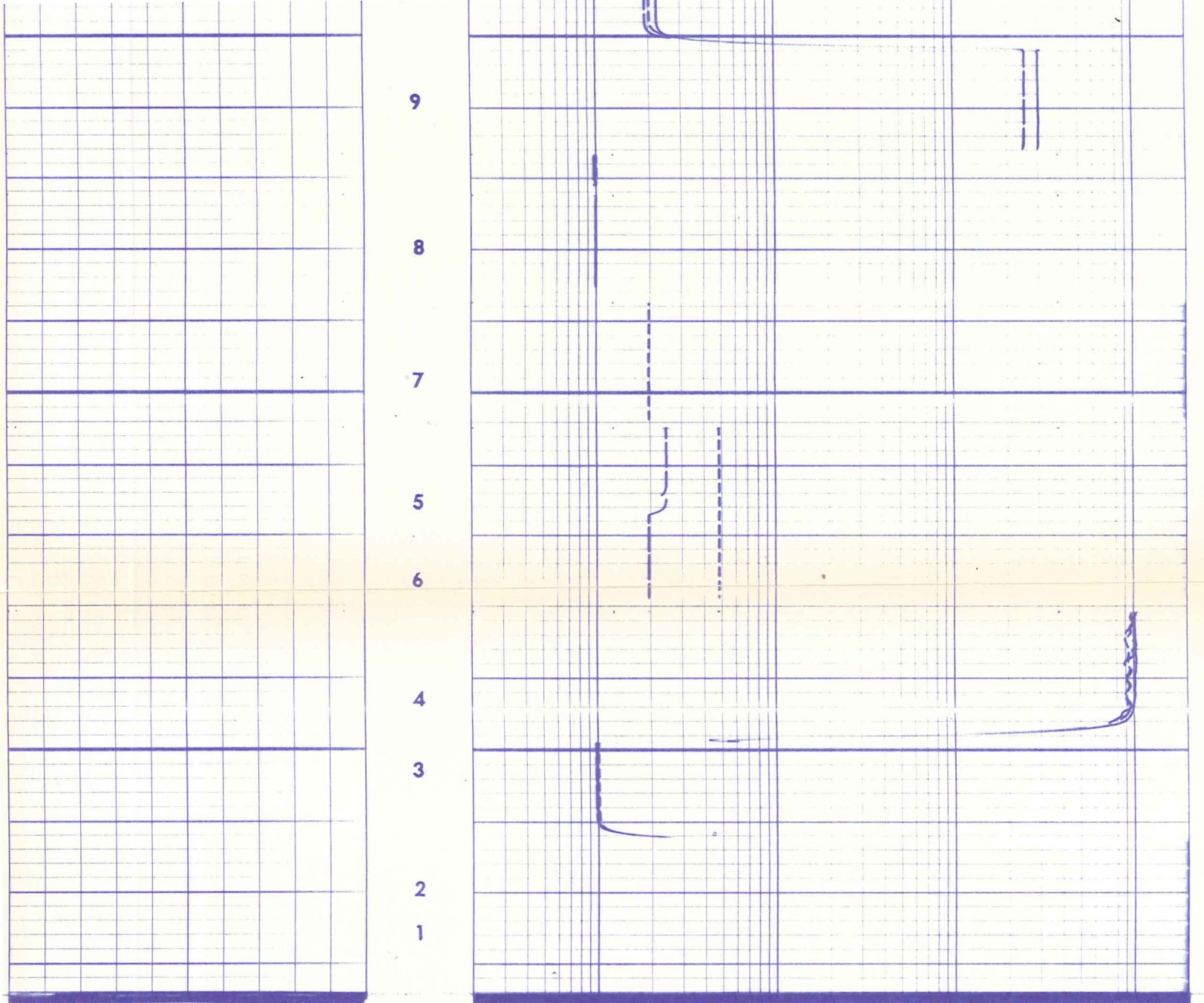
1. MECHANICAL ZERO
2. PANEL—LOW
3. PANEL—HIGH
4. ZERO CONDUCTIVITY—AIR
5. ILD TEST LOOP—SEC. OFF
6. ILD TEST LOOP—SEC. ON
7. ILM TEST LOOP
8. FL EXTERNAL
9. INTERNAL REFERENCE—LOW
10. INTERNAL REFERENCE—HIGH

SURFACE CALIBRATION

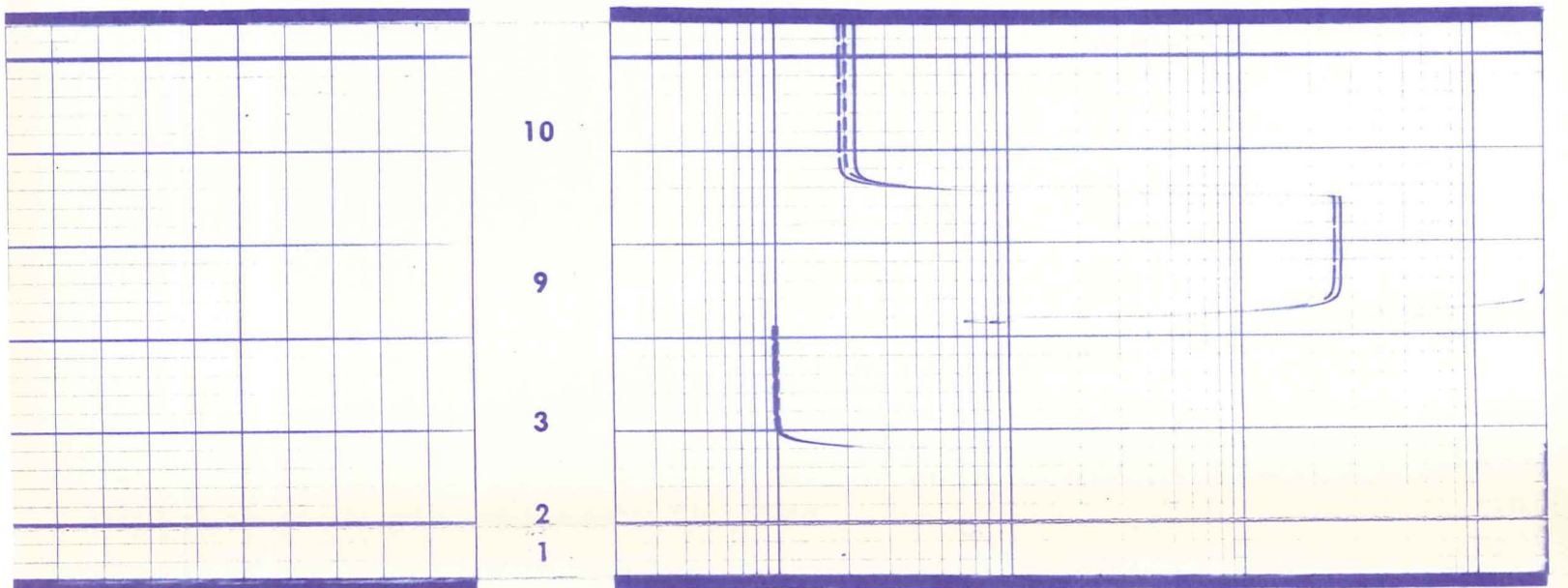


CALIBRATION AFTER SURVEY





CALIBRATION AFTER SURVEY



CALIBRATION BEFORE SURVEY

