



Dual Induction Focused Log

WITH LINEAR CORRELATION LOG

FILE NO. 541
 COMPANY E. G. & G. IDAHO INC.
 WELL R.R.G.I. #7
 FIELD RAFT RIVER GEOTHERMAL
 COUNTY CASSIA STATE IDAHO
 LOCATION:
 SEC 23 TWP 15S RGE 26E
 Other Services
 CNL/GR
 BHC/CAL/GR
 DIFF. TEMP.

Permanent Datum G.L. Elev. 4855 KB 4871
 Log Measured from K.B. 16 Ft. Above Permanent Datum DF 4870
 Drilling Measured from K.B. GL 4855

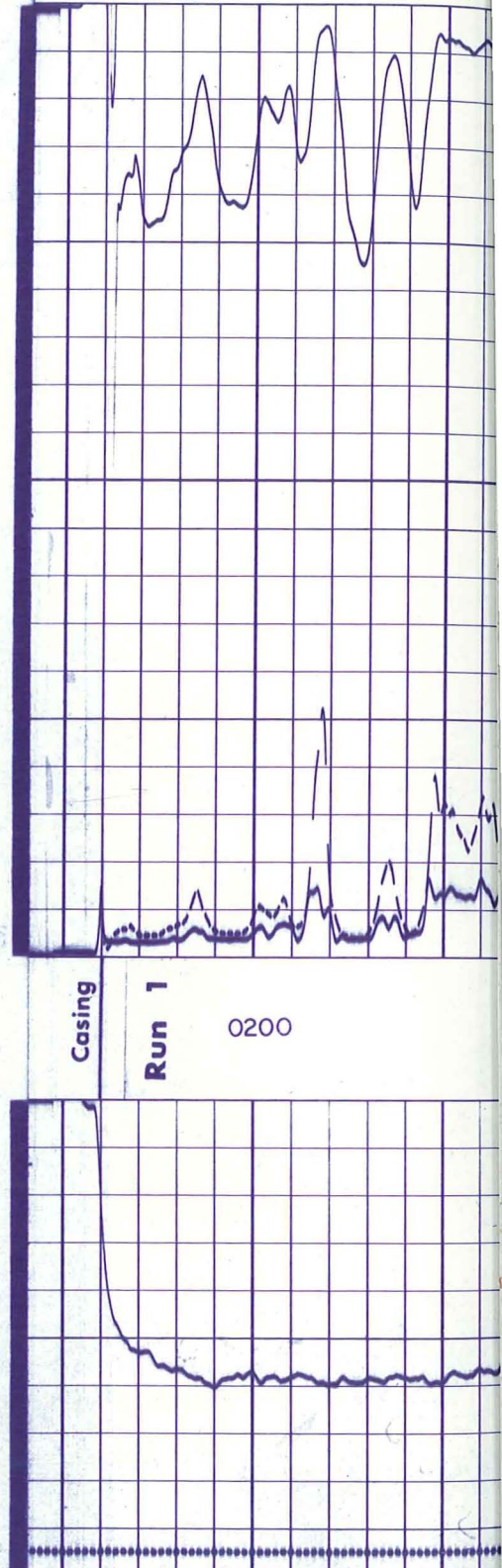
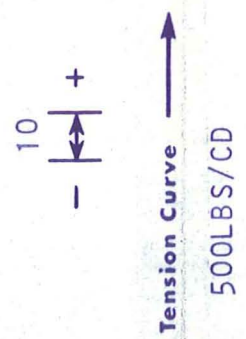
Date	7/23/78	8/1/78		
Run No.	ONE	TWO		
Depth—Driller	2050	3858		
Depth—Logger	2052	3791		
Bottom Logged Interval	2050	3789		
Top Logged Interval	150	2040		
Casing—Driller	20" @ 150 13 3/8 @ 2044	@	@	
Casing—Logger	160			
Bit Size	17 1/2"	12 1/4		
Type Fluid in Hole	FRESH GEL	WATER		
	@	@	@	@
Density and Viscosity	9.1 39			
pH and Fluid Loss	10.5 6.4 cc		cc	cc
Source of Sample	FLOWLINE	FLOWLINE		
Rm @ Meas. Temp.	2.76 @ 70 °F	4.6 @ 92 °F	@ °F	@ °F
Rmf @ Meas. Temp.	2.49 @ 70 °F	@ °F	@ °F	@ °F
Rmc @ Meas. Temp.	3.01 @ 72 °F	@ °F	@ °F	@ °F
Source of Rmf and Rmc	MEAS MEAS			
Rm @ BHT	1.53 @ 126 °F	2.84 @ 149 °F	@ °F	@ °F
Time Since Circ.	4 HRS	13 HRS		
Max. Rec. Temp. Deg. F.	126 °F	149 °F		°F
Equip. No. and Location	6159 RSVT	6159 RSVT		
Recorded By	PERESSINI	PERESSINI - TORGERSON		
Witnessed By	GOLDMAN	PRESTWICH		

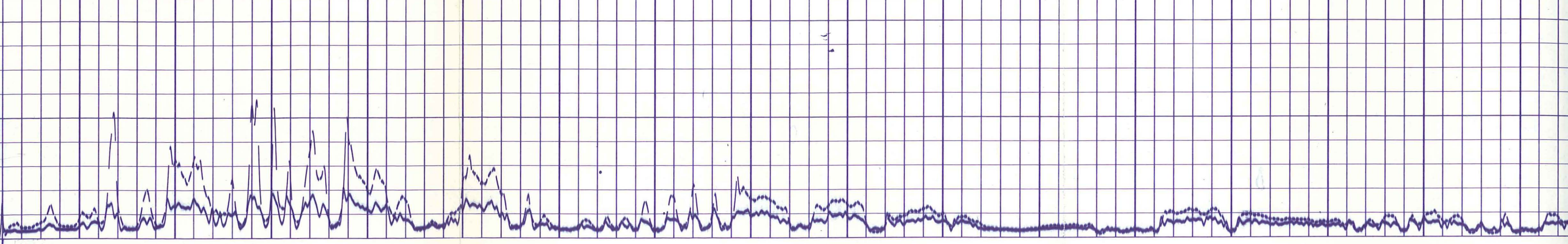
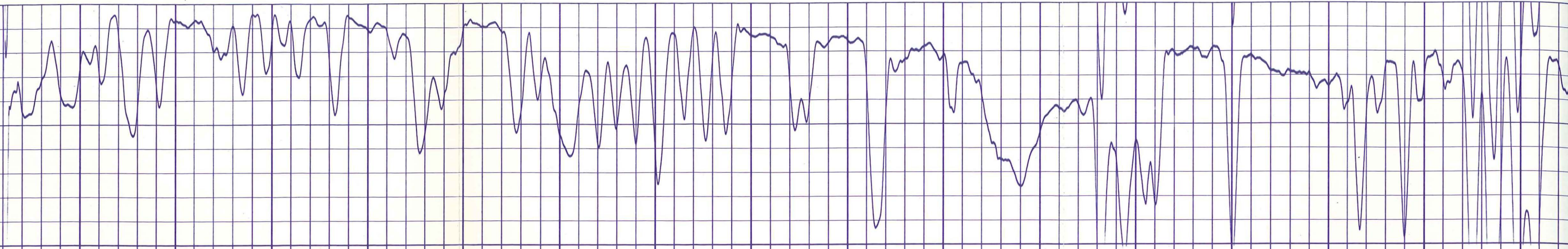
THIS HEADING AND LOG CONFORMS TO API RECOMMENDED STANDARD PRACTICE RP-31

Equipment Used			
Series No.	Run No.	S.O.	Tool No.
1503	ONE	87800	37795
	TWO	87803	87795
			37795
			34820
			160
			160
Scale Changes			
Scale Up Hole		Scale Down Hole	
Equipment Data			
Run No.	Tool Type	Pad Type	Tool Position
ONE	DIFL 1503		1 1/2" S.O.
TWO	DIFL 1503		1 1/2" S.O.
Changes in Mud Type or Additional Samples			
Date	Sample No.	Type Log	Depth
Type Fluid in Hole			
Dens. Visc. Fluid Loss			
Source of Sample			
Rm @ Meas. Temp.			
Rmf @ Meas. Temp.			
Rmc @ Meas. Temp.			
Source Rmf Rmc			
Rm @ BHT			
Rmf @ BHT			
Rmc @ BHT			

REMARKS

SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY Ohms m ² /m	CONDUCTIVITY Millimhos/m
		SHALLOW FOCUSED LOG	INDUCTION CONDUCTIVITY
		DEEP INDUCTION LOG	DEEP INDUCTION LOG
		0 100 1000	0 500 1000 500
		0 100 1000	0 1000 1000 500





Casing

Run 1

0200

0300

0400

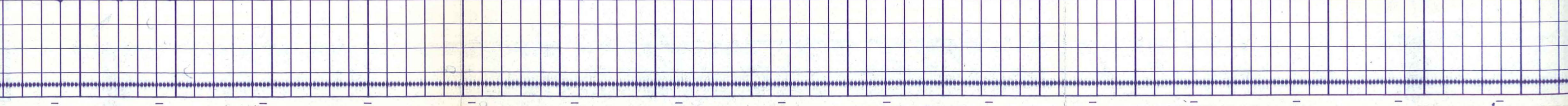
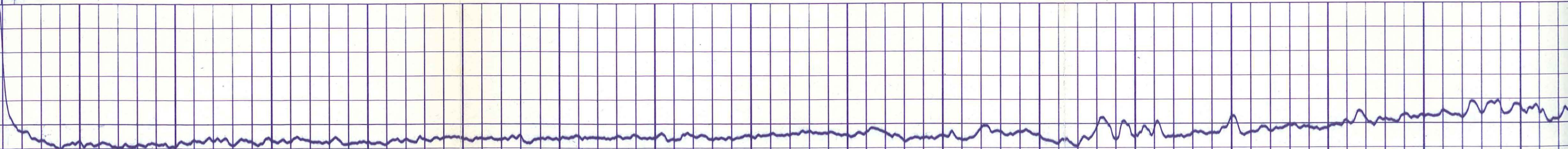
0500

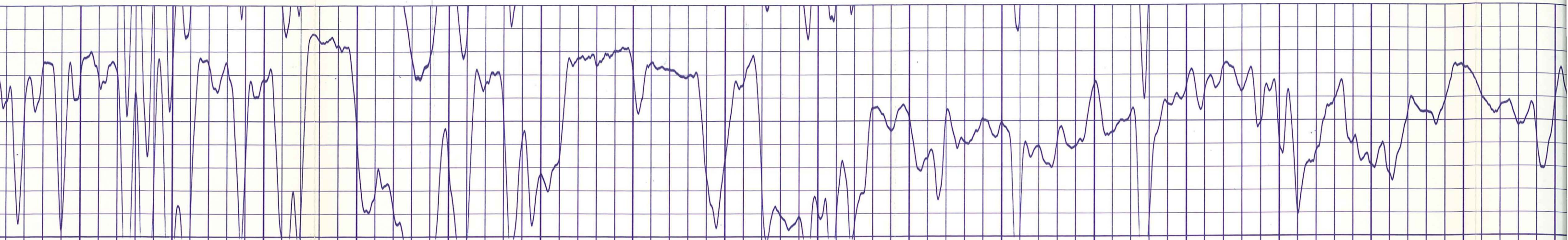
0600

0700

0800

0900





0900

1000

1100

1200

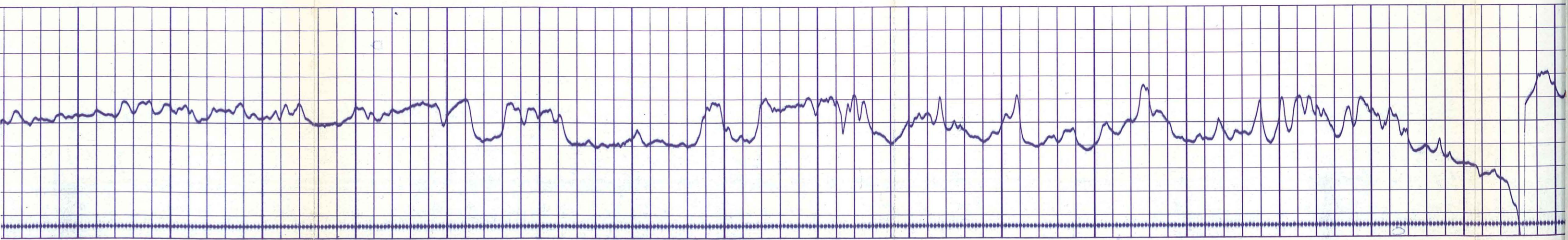
1300

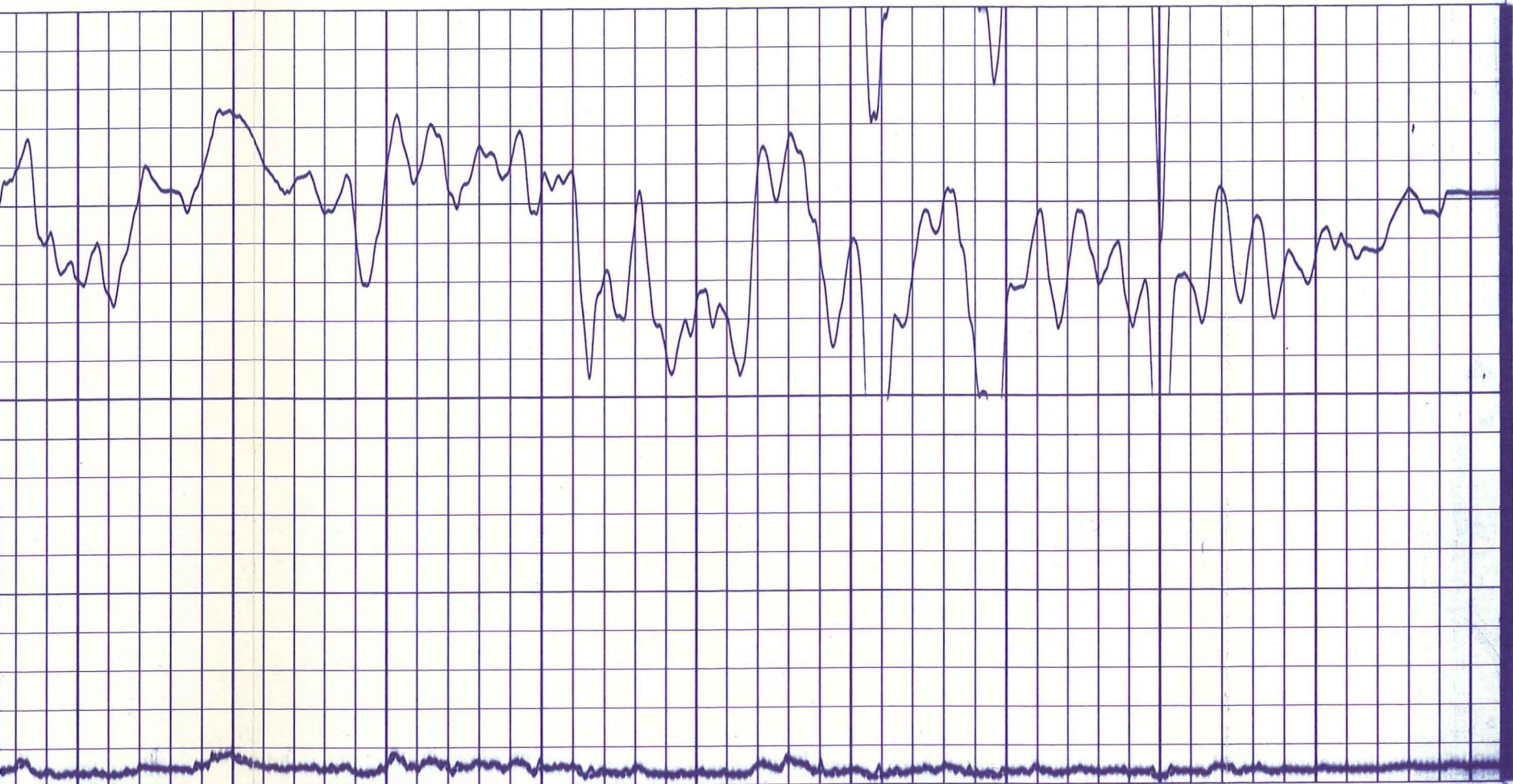
1400

1500

1600

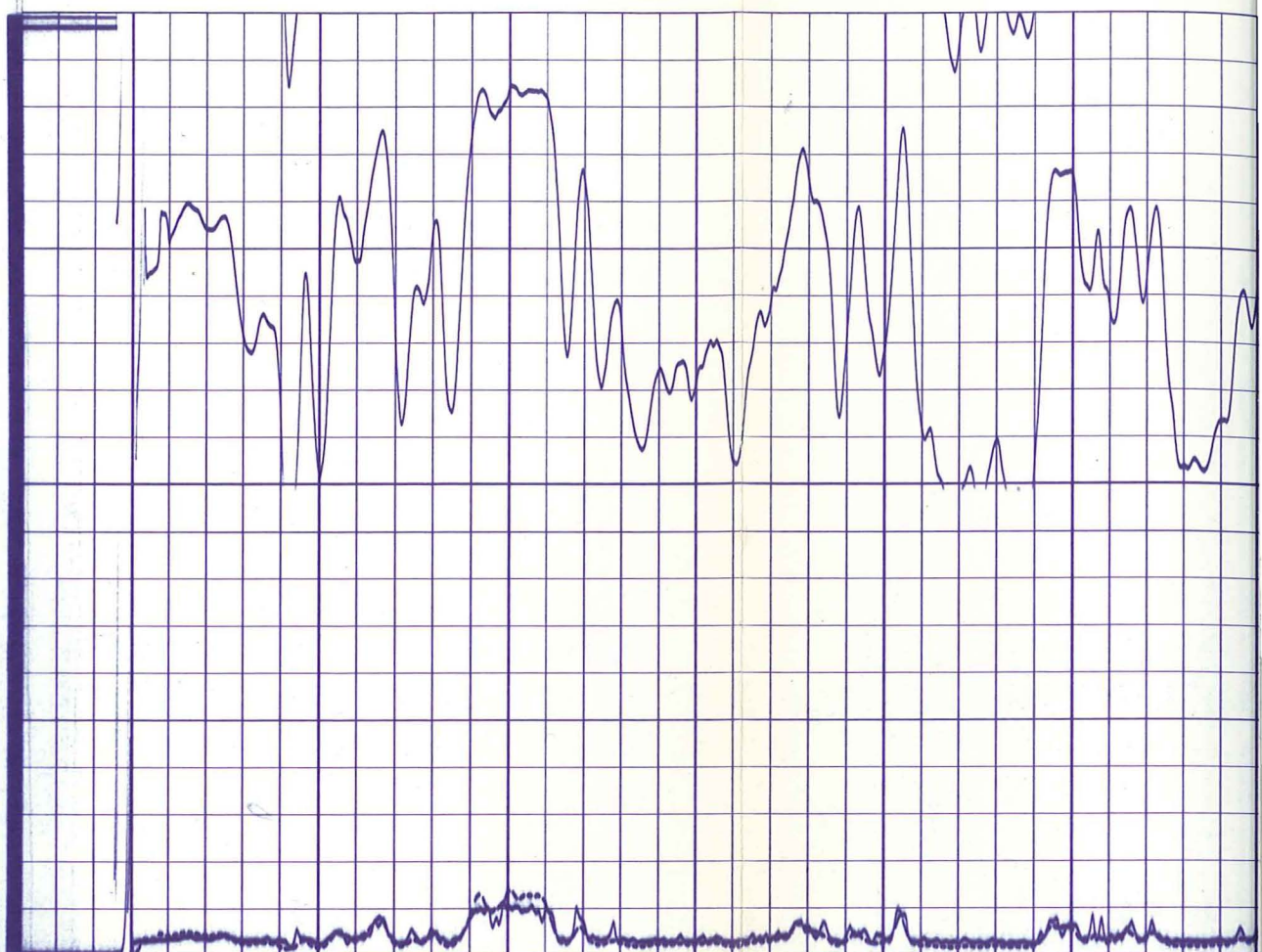
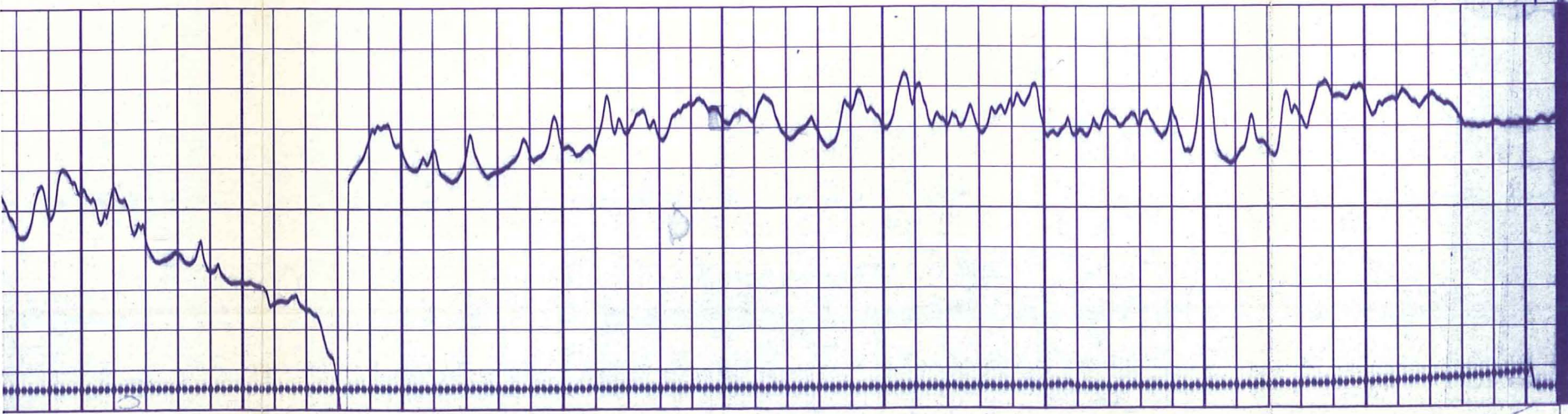
1700





1600 1700 1800 1900 2000

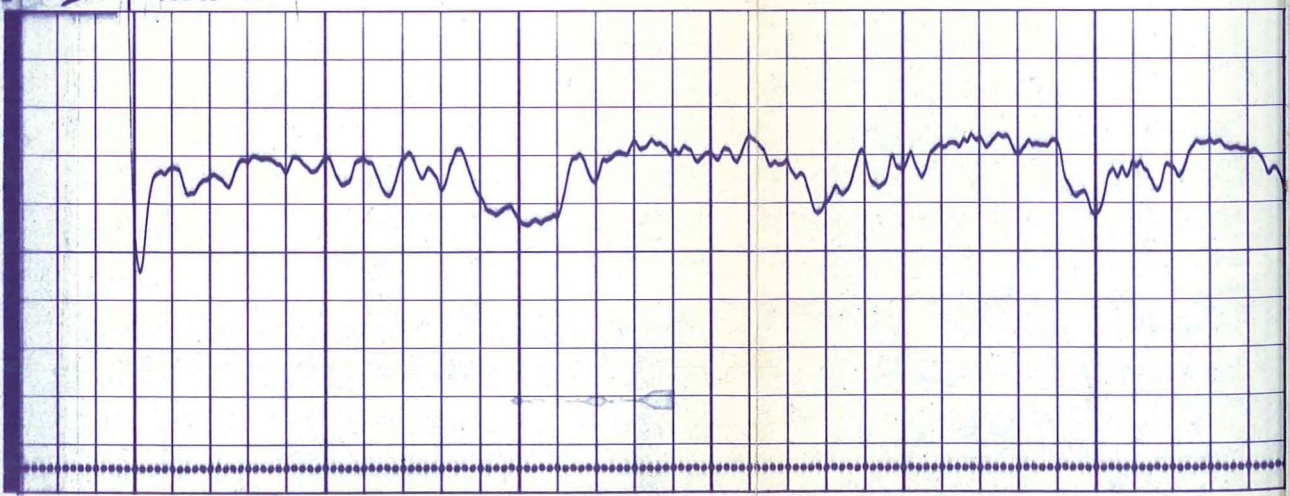
Run 1
Log T. D.

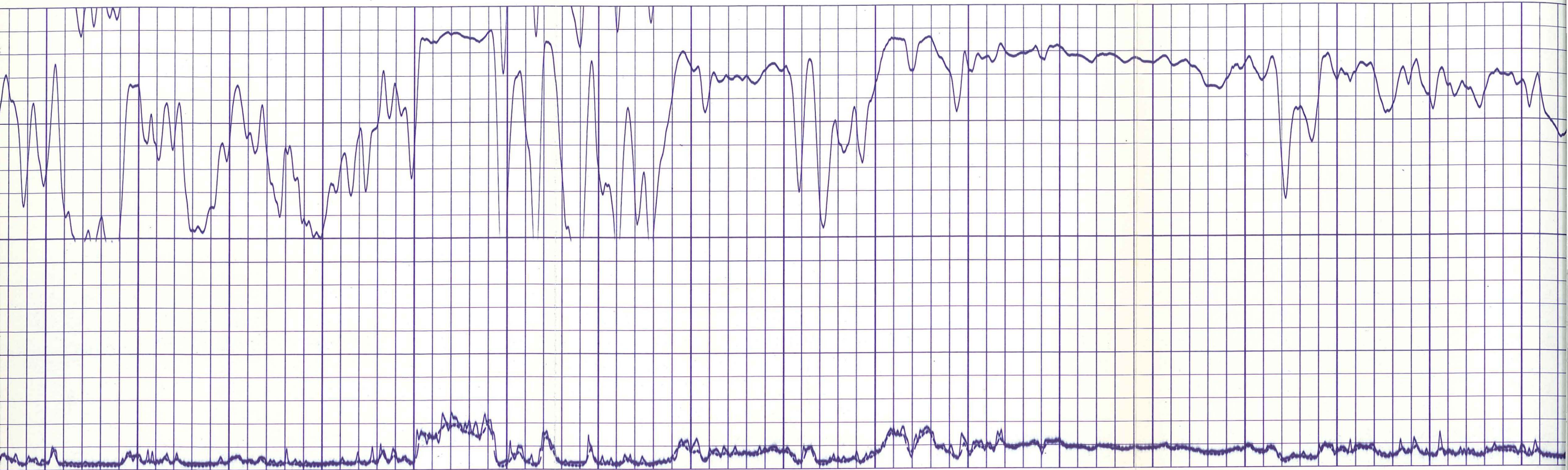


2100 2200 2300

Casing

Run 2





2300

2400

2500

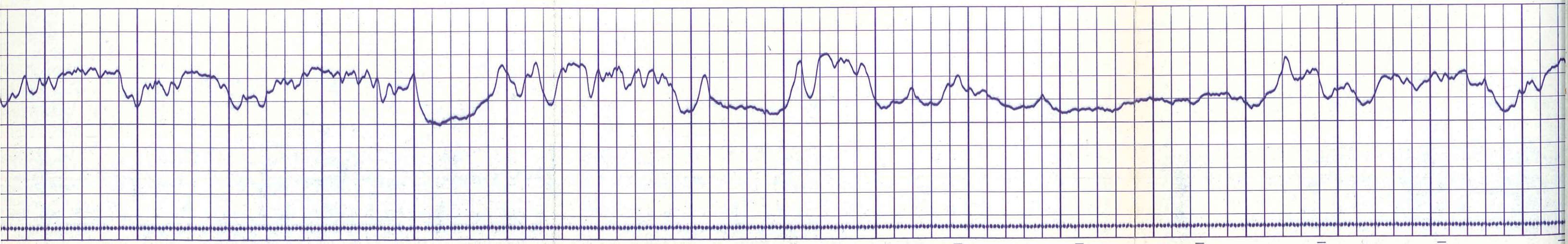
2600

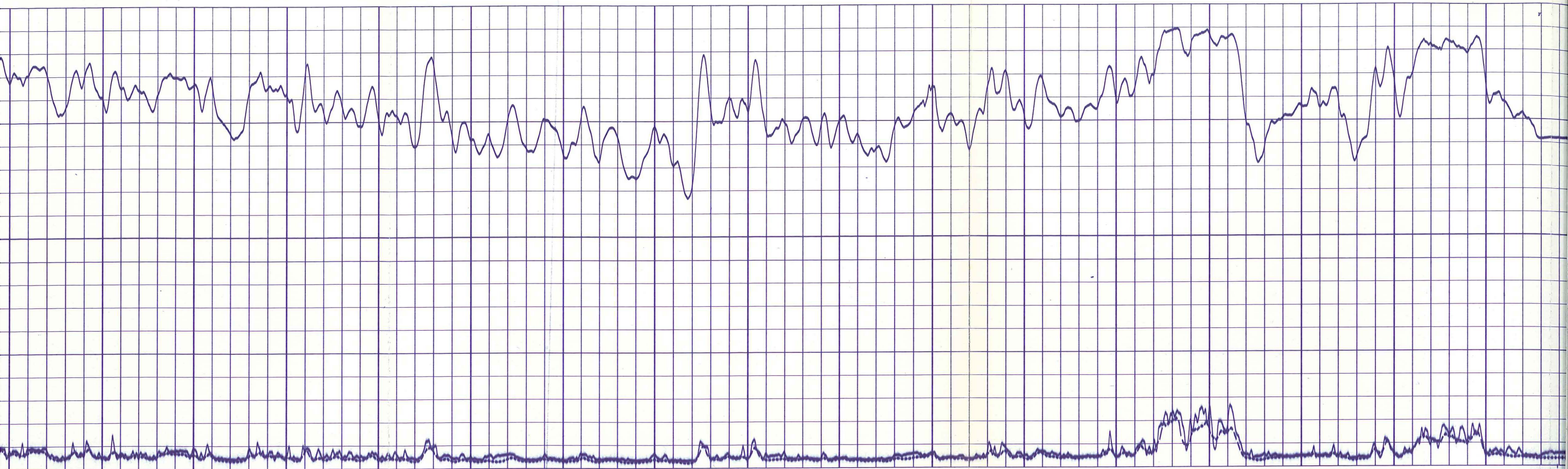
2700

2800

2900

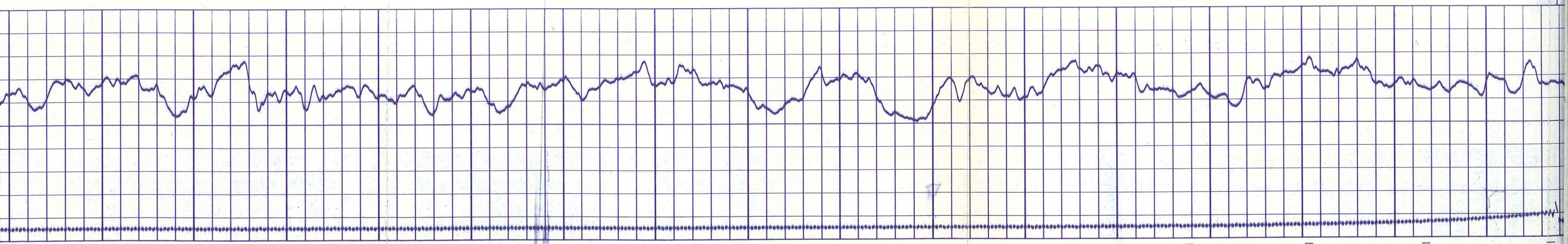
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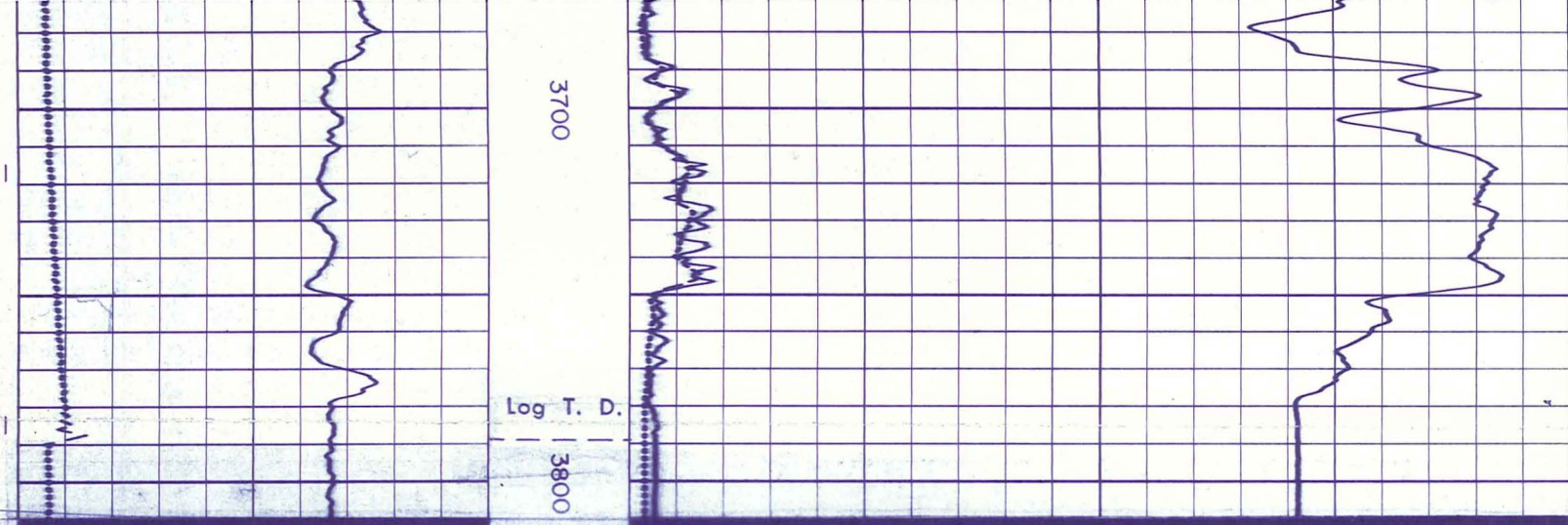




3000 3100 3200 3300 3400 3500 3600 3700

Log T. D.





Tension Curve →
500LBS/CD

— | | +
10

0 1000
0 100
DEEP INDUCTION LOG

0 1000
0 100
SHALLOW FOCUSED LOG

1000 500
500 0
DEEP INDUCTION LOG
INDUCTION CONDUCTIVITY

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.	3858
Well	R.R.G.I. #7	Log F.R.	3789
Field	RAFT RIVER GEOTHERMAL	Log T.D.	3791
County	CASSIA	Elevations:	
State	IDAHO	K.B.	4871
		D.F.	4870
		G.L.	4855

SPONTANEOUS POTENTIAL
Millivolts

10
— → | | ← +

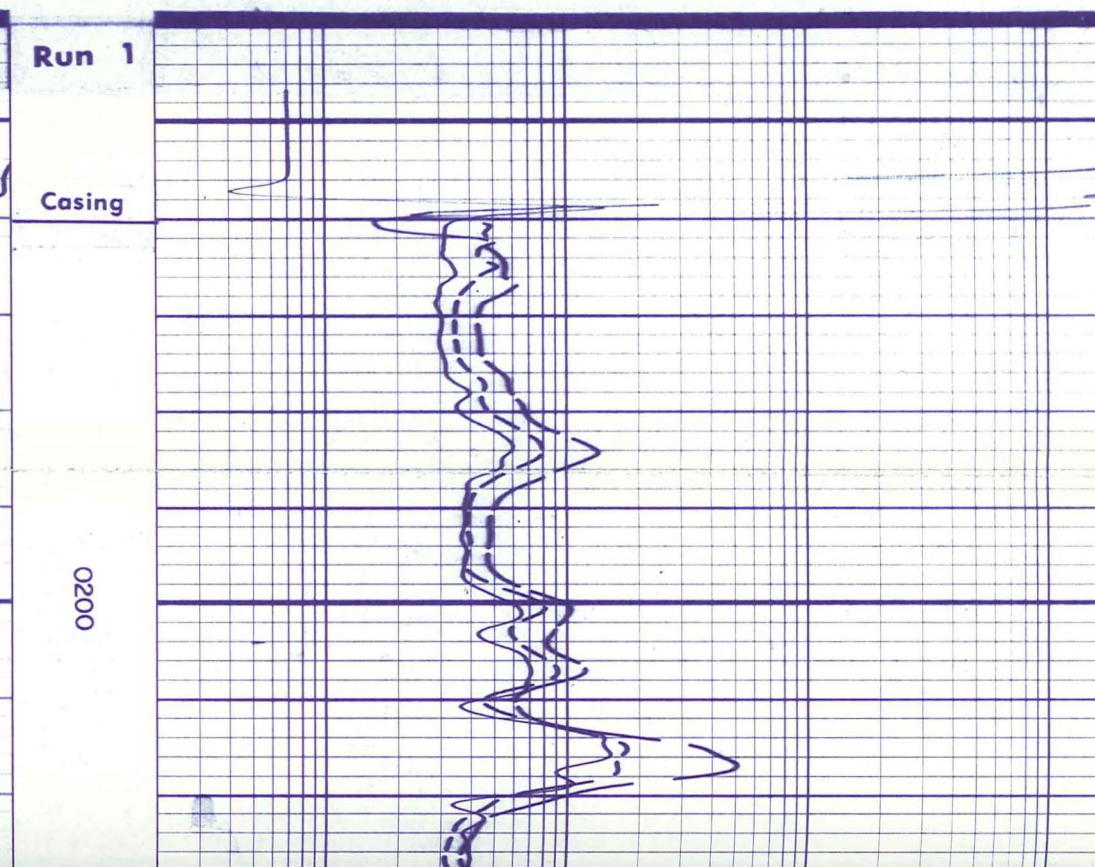
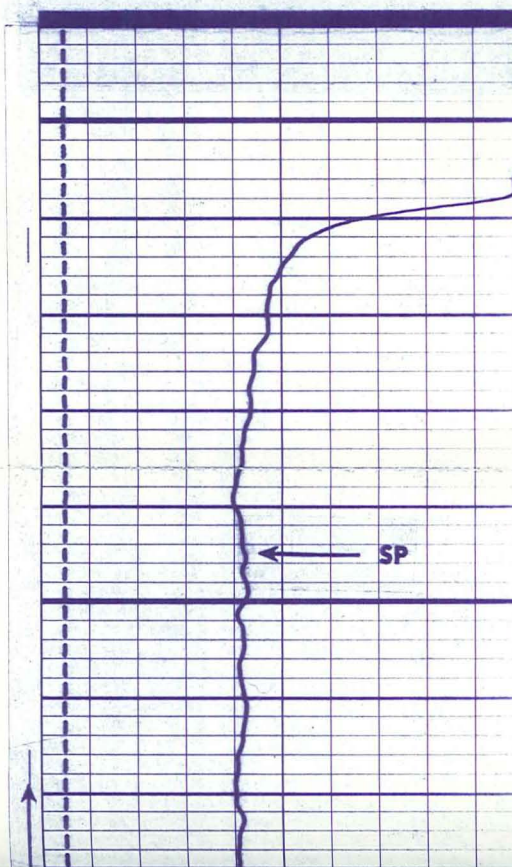
500LBS/CD
Tension Curve →

RESISTIVITY
ohms - m²/m

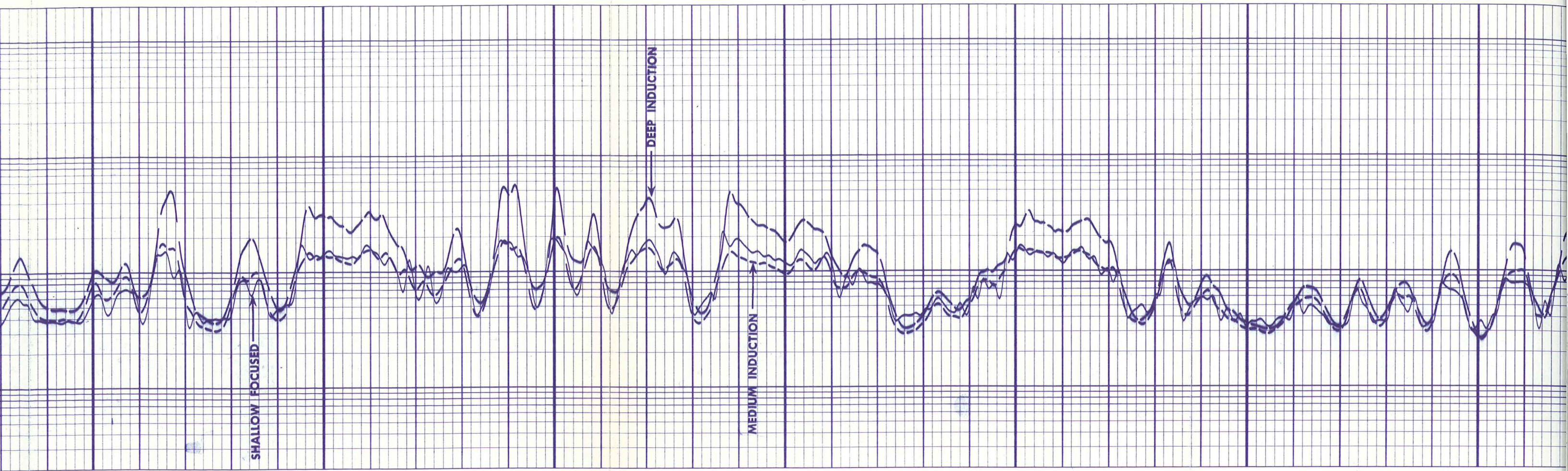
SHALLOW FOCUSED LOG
.2 1.0 10 100 1000

MEDIUM INDUCTION LOG
.2 1.0 10 100 1000

DEEP INDUCTION LOG
.2 1.0 10 100 1000



FORM 923244 A

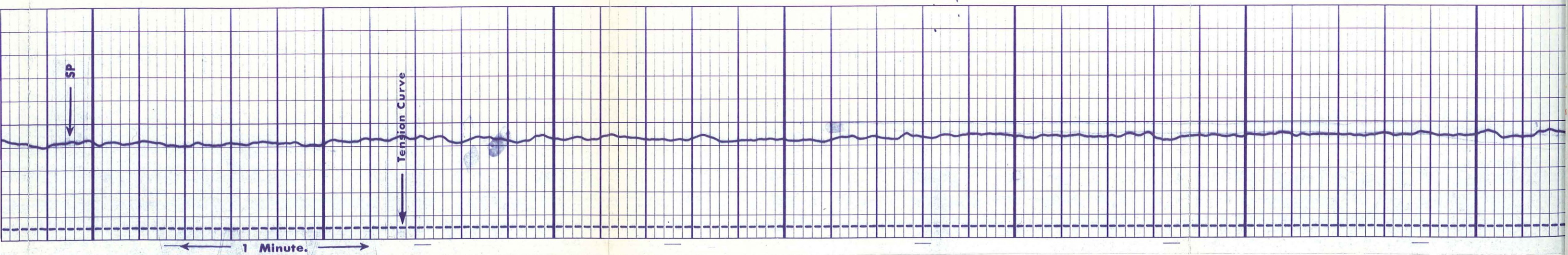


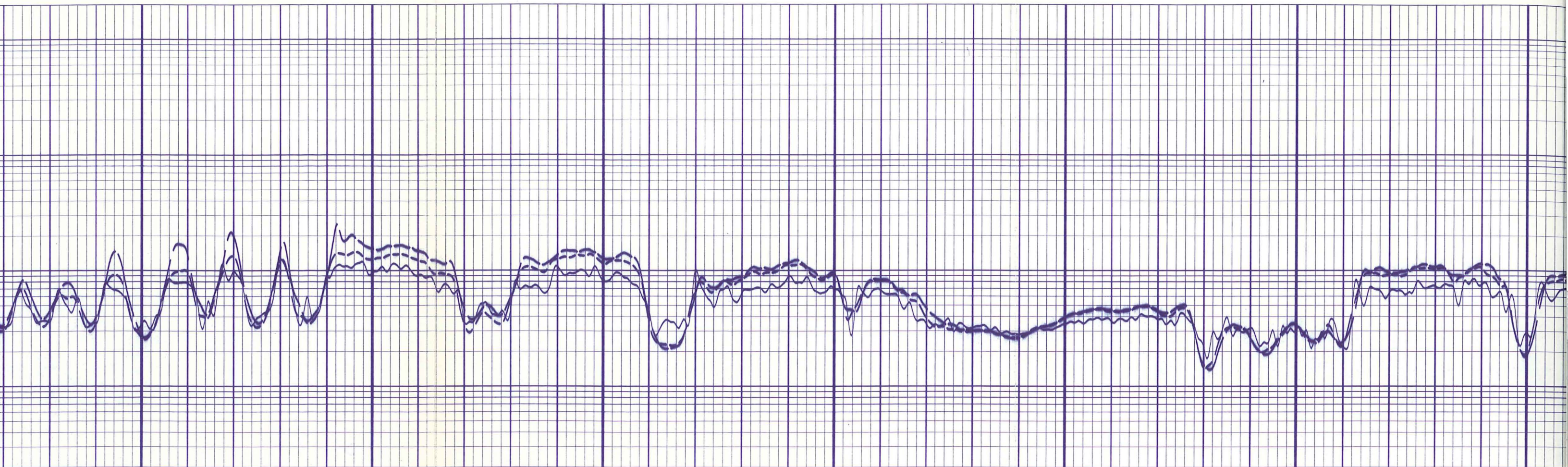
0200

0300

0400

0500



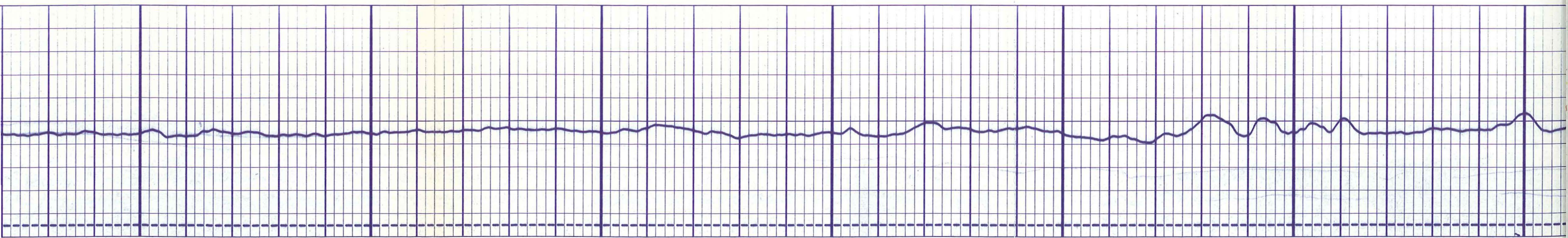


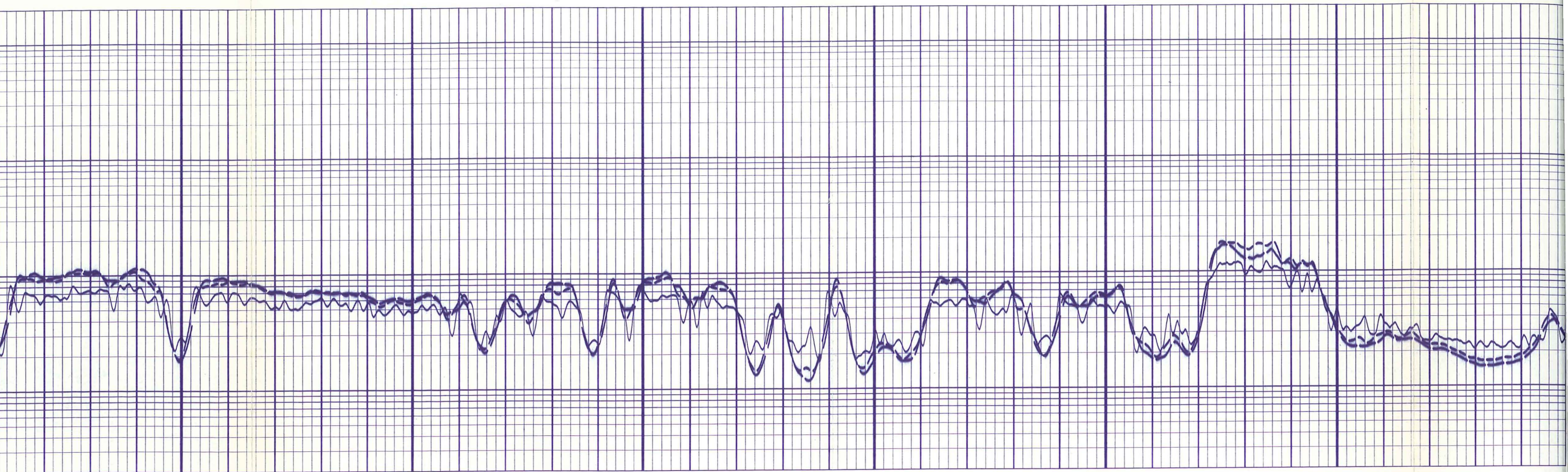
0500

0600

0700

0800



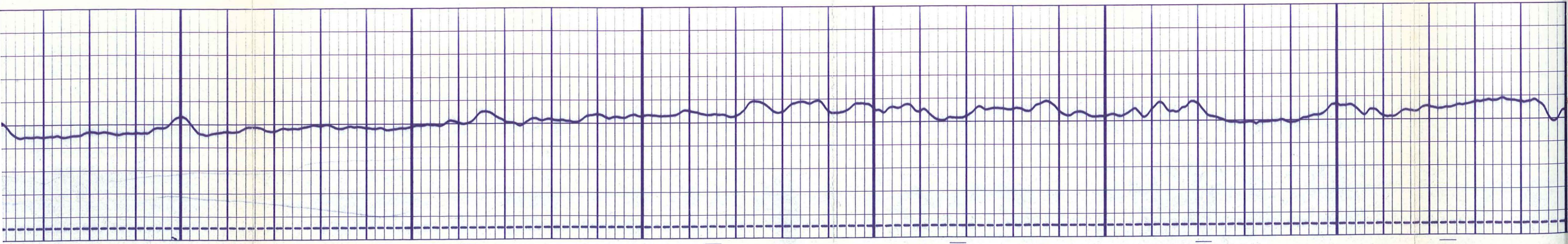


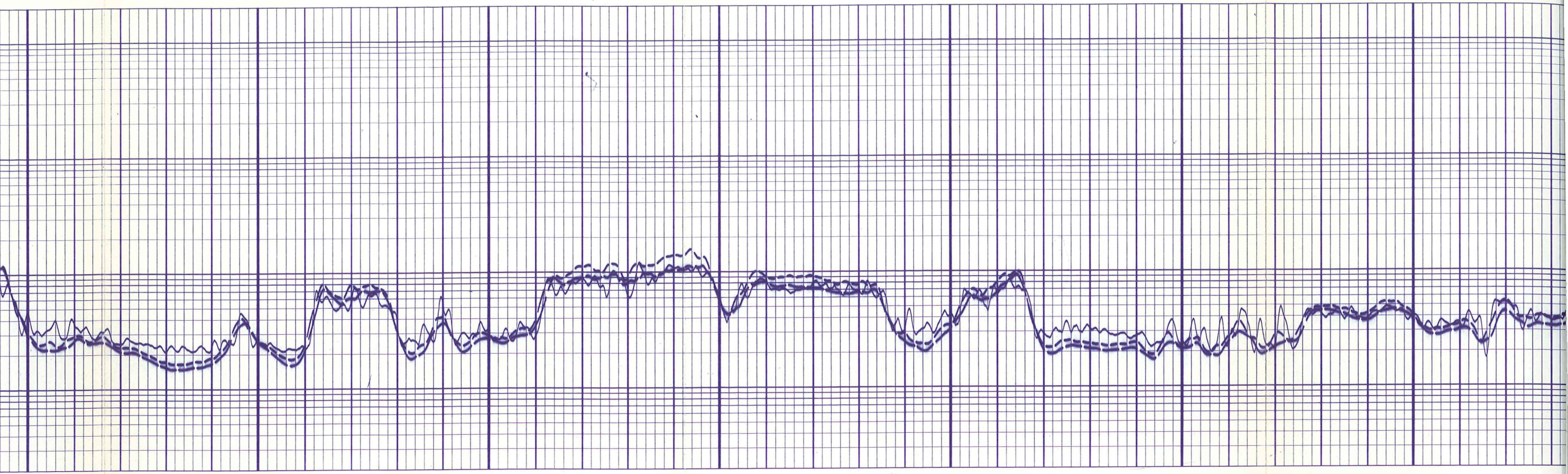
0800

0900

1000

11

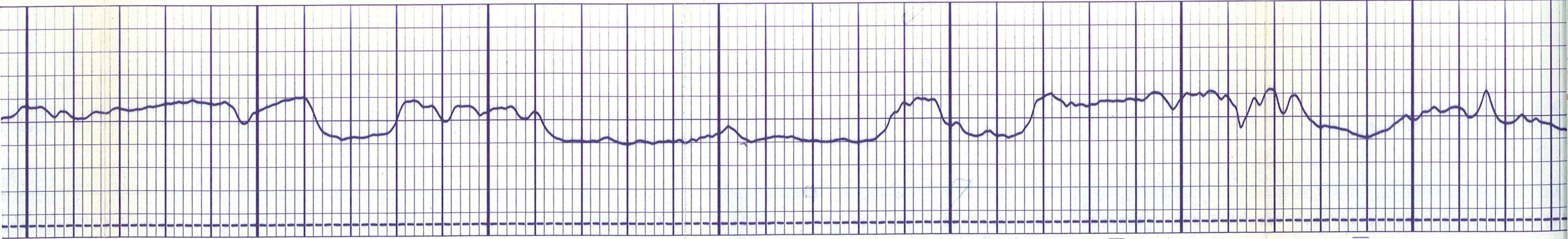


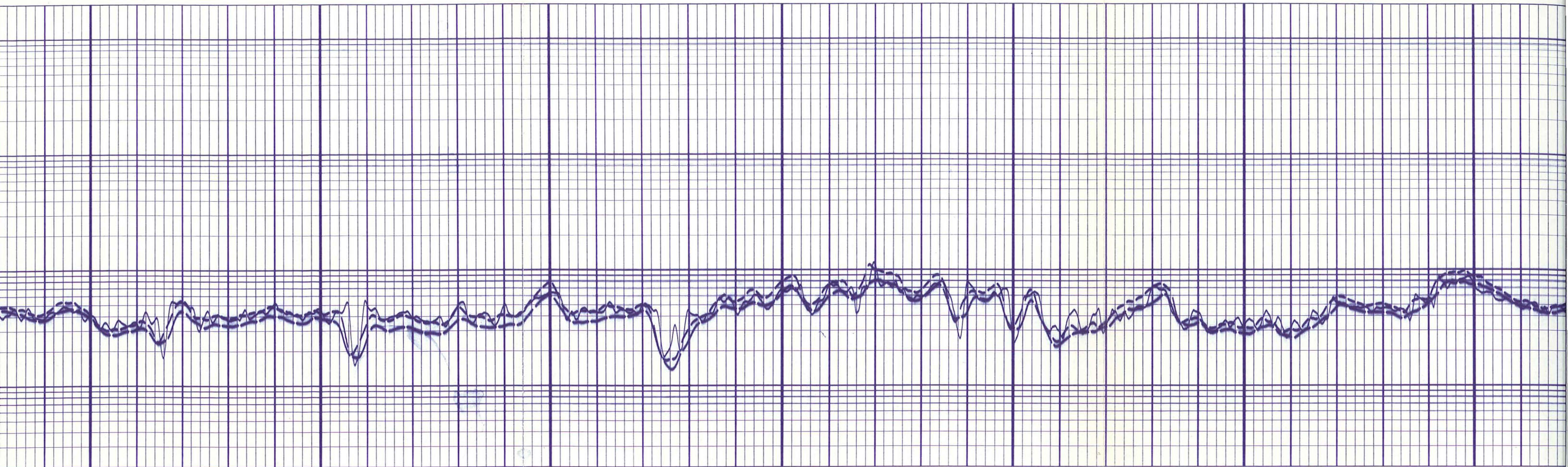


1100

1200

1300

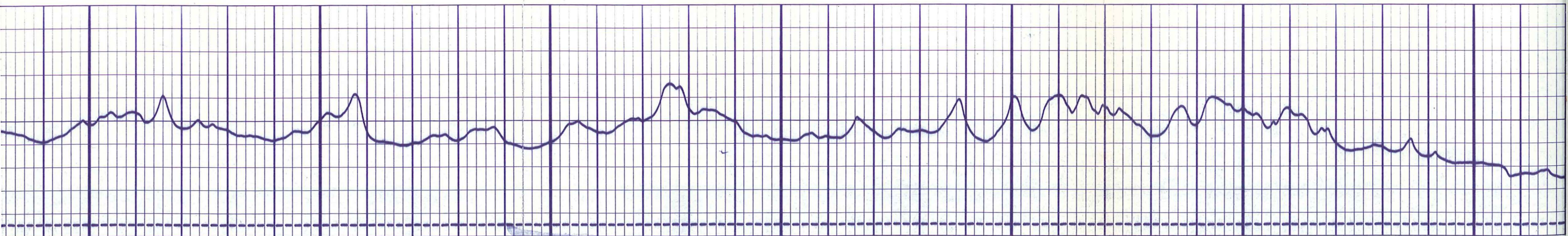


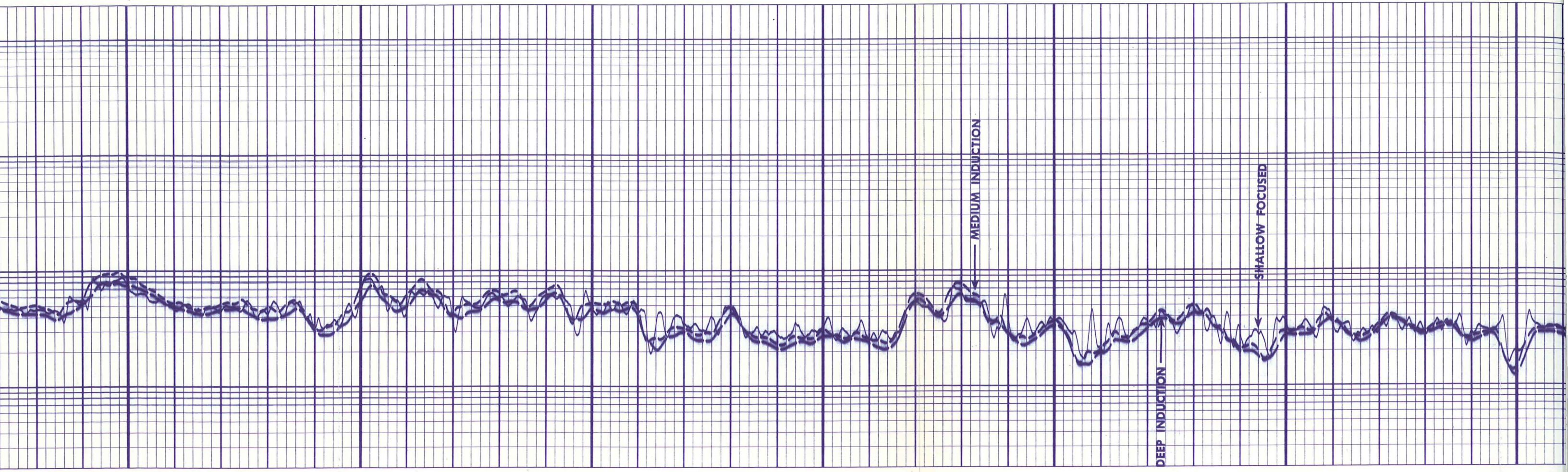


1400

1500

1600

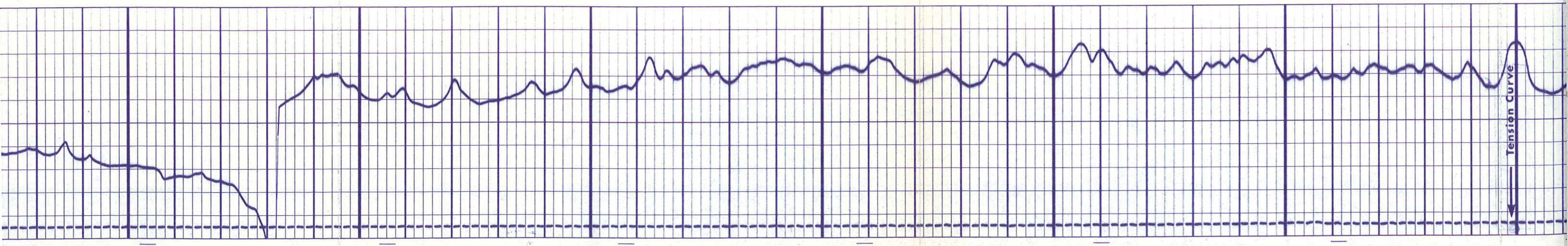




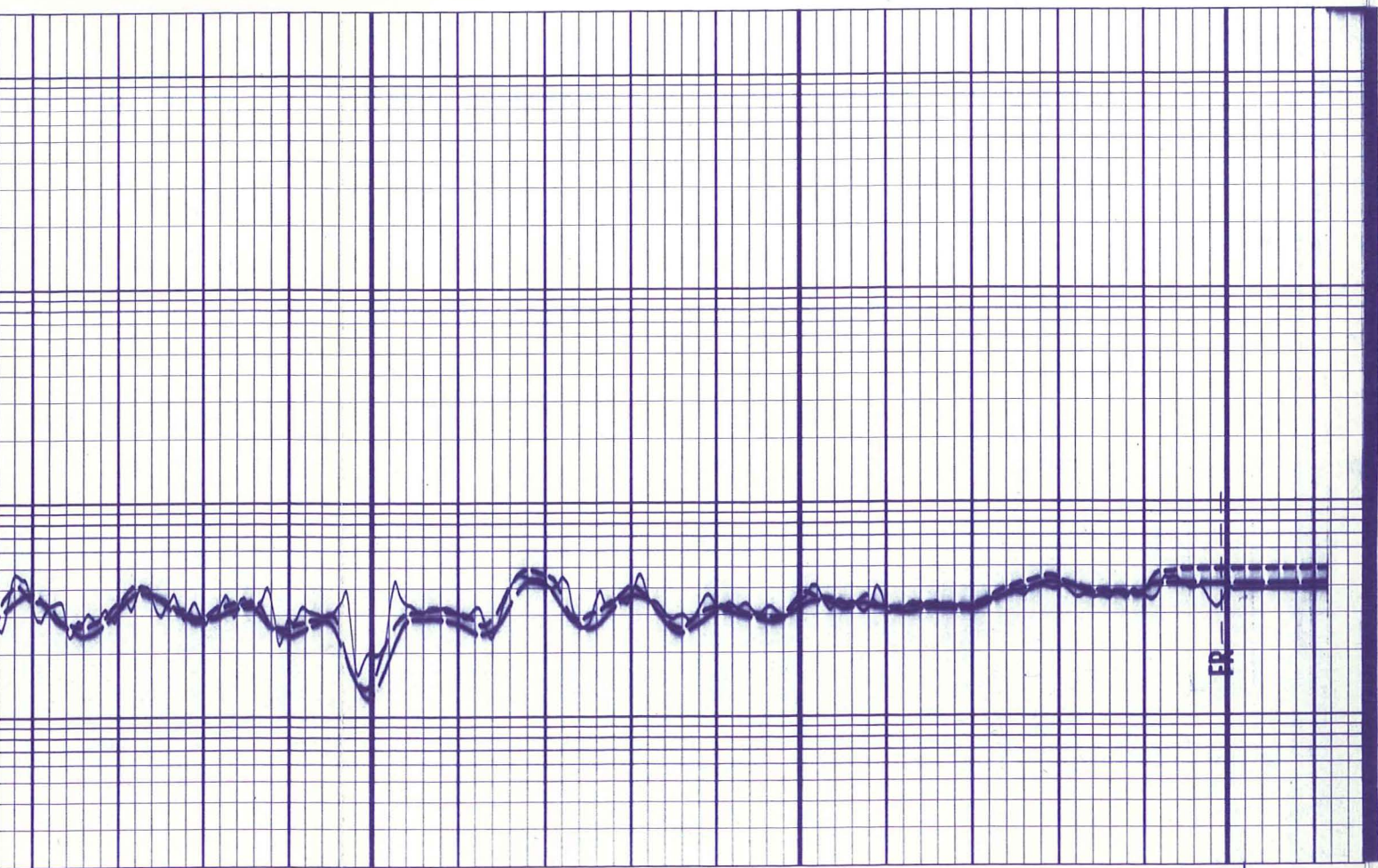
1700

1800

1900



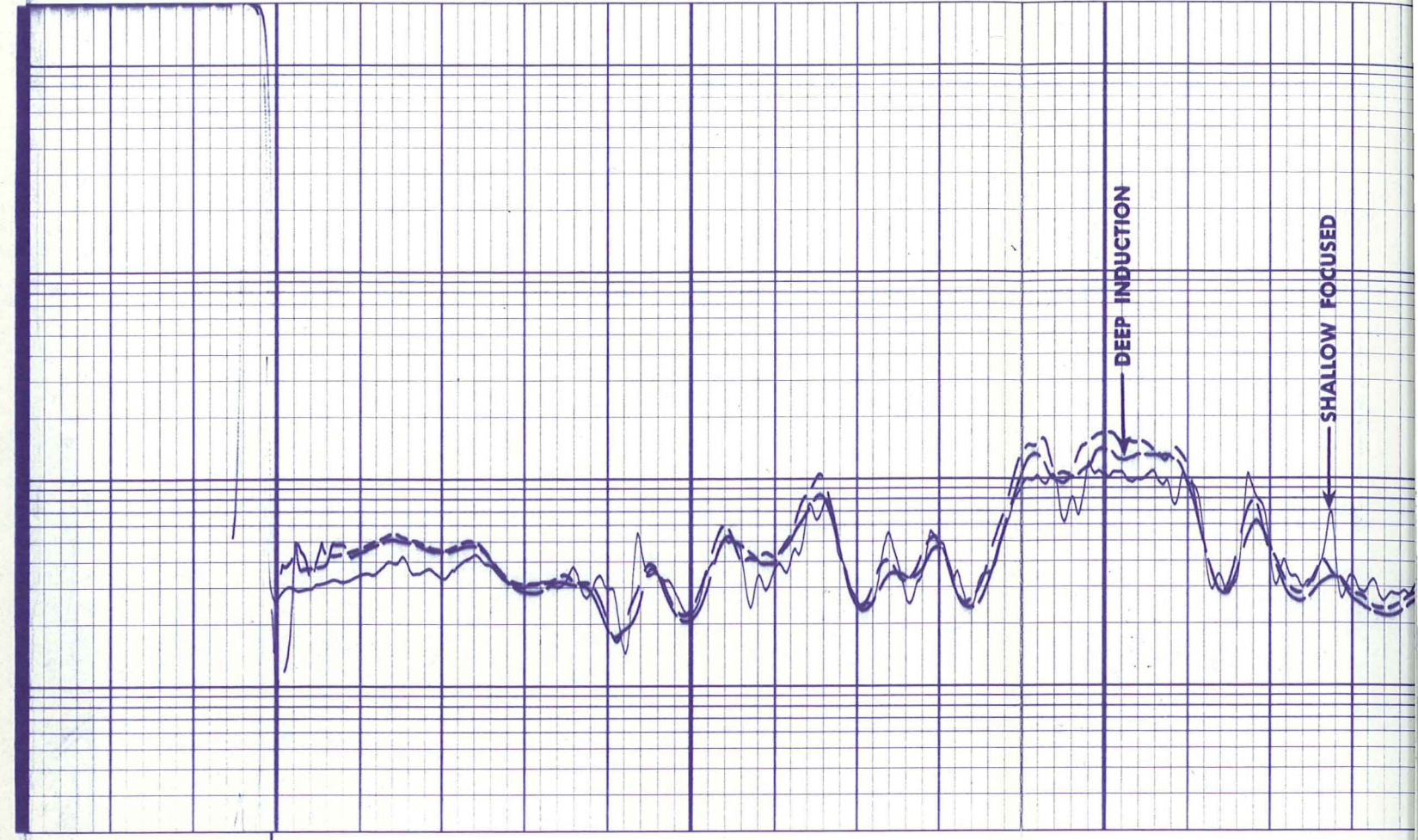
Tension Curve



2000

Log T. D.

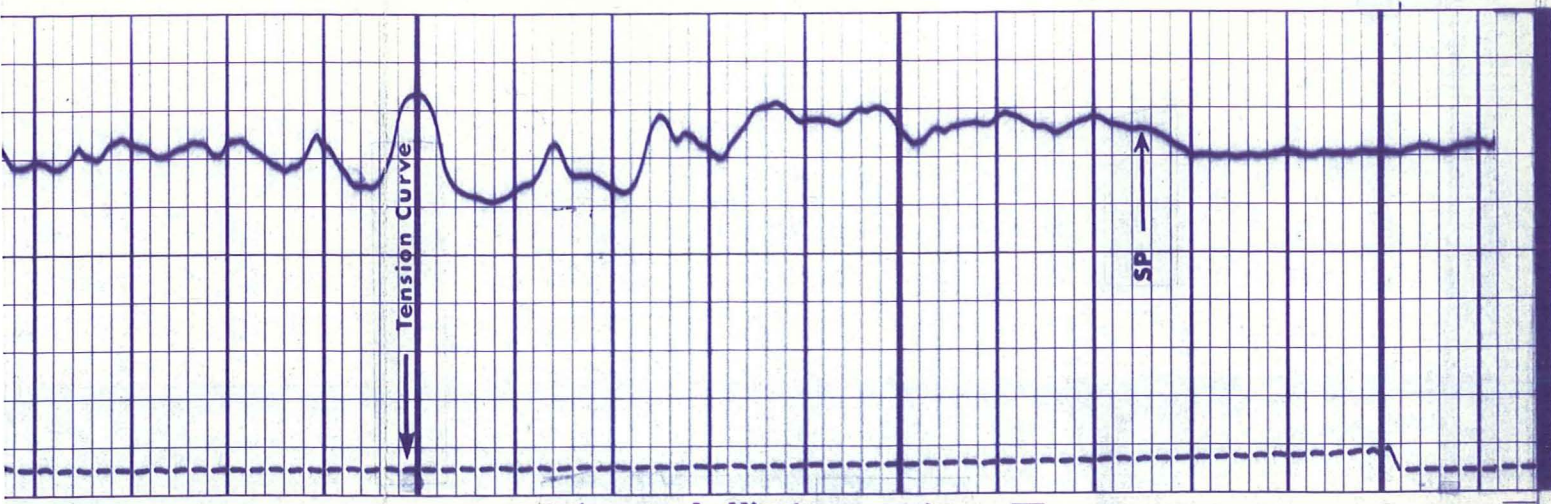
Run 1



2100

Casing

Run 2



Tension Curve

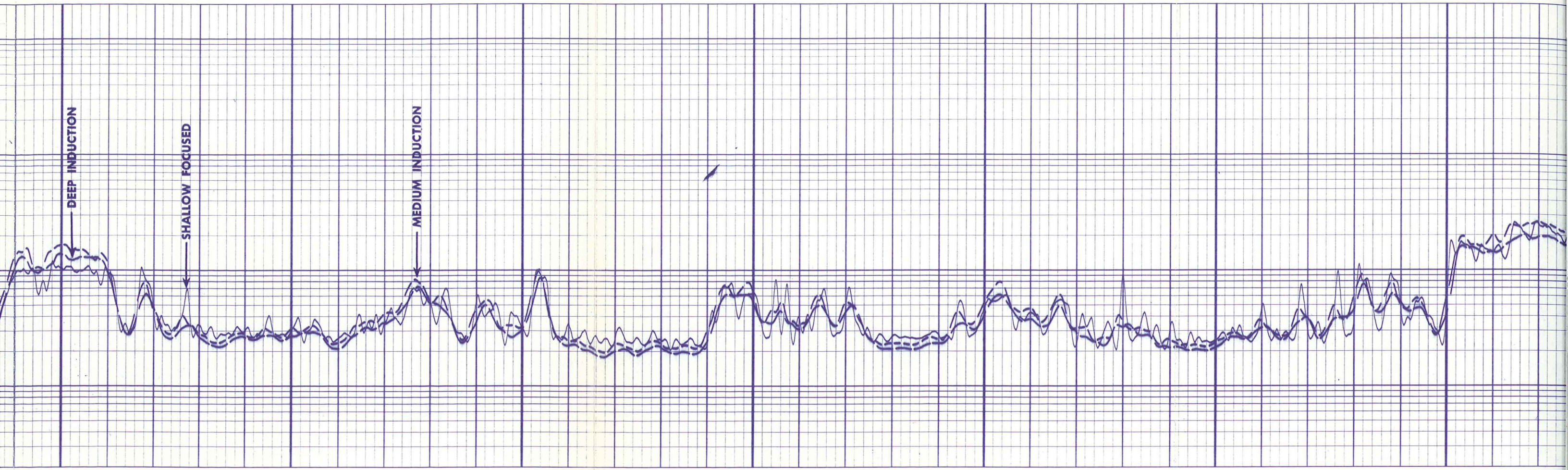
SP

1 Minute.



SP

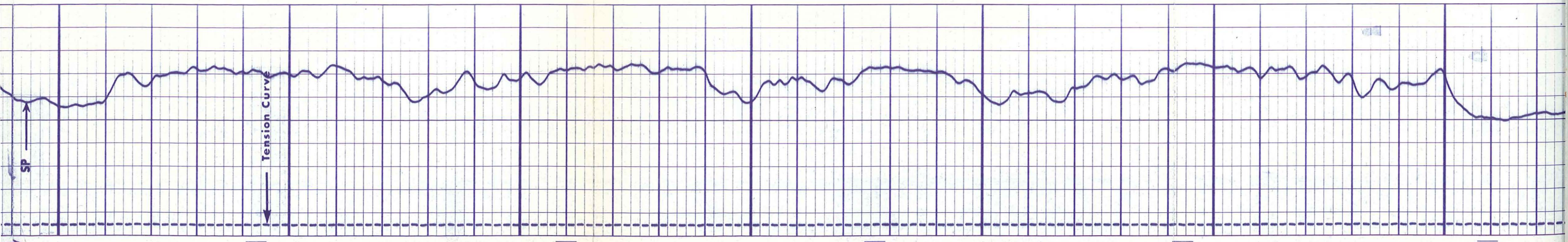
1 Minute.

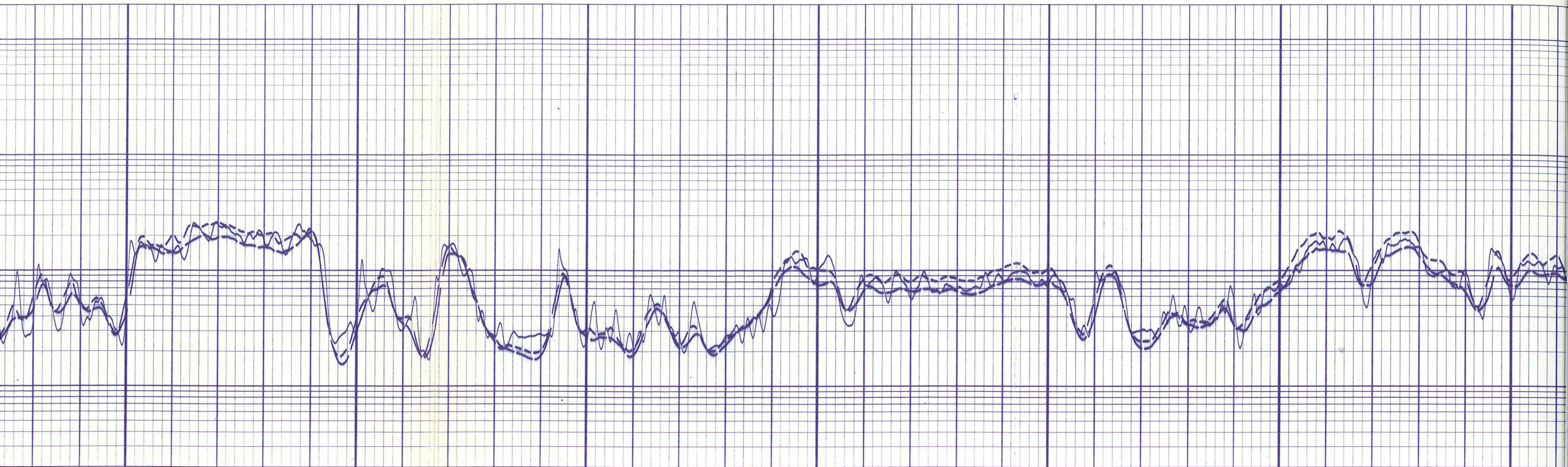


2200

2300

2400

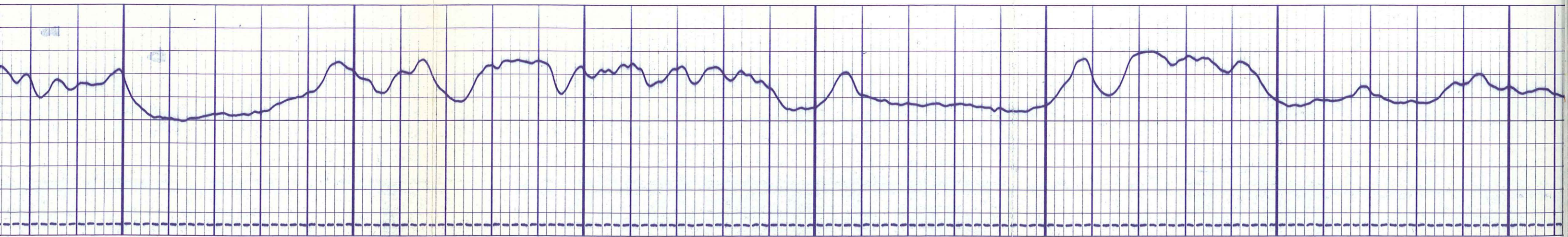


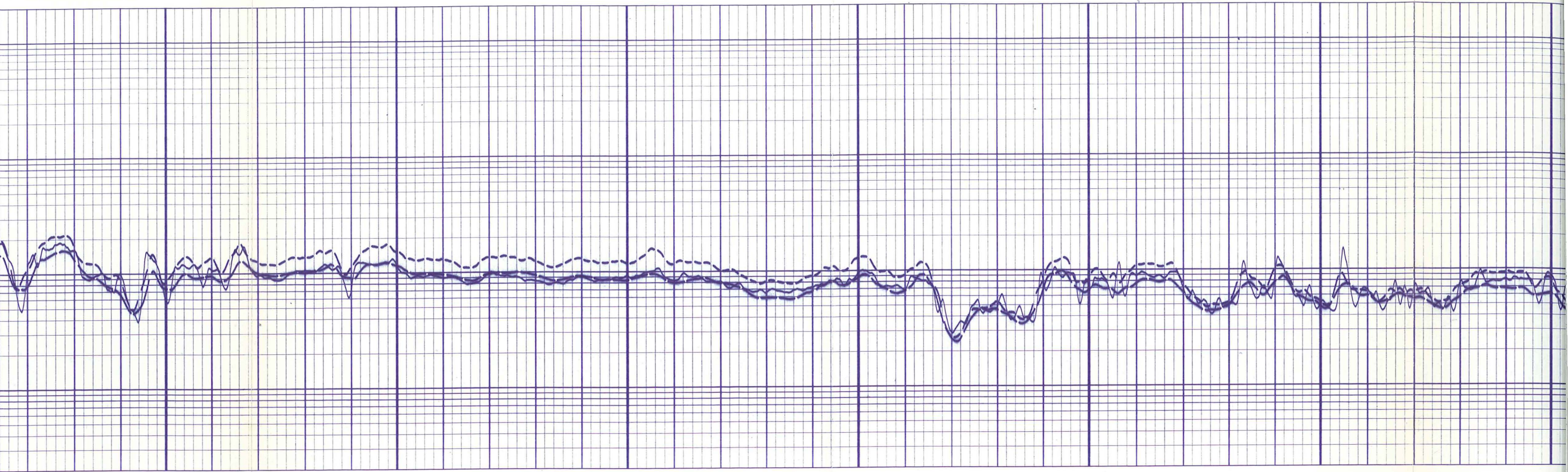


2500

2600

2700

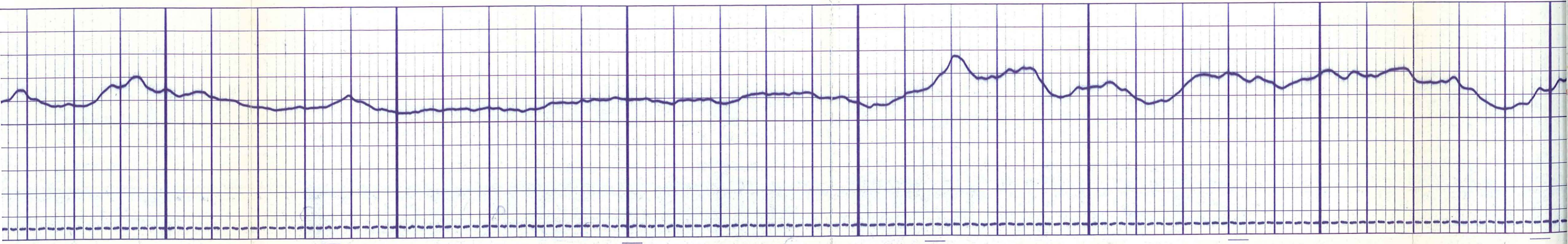


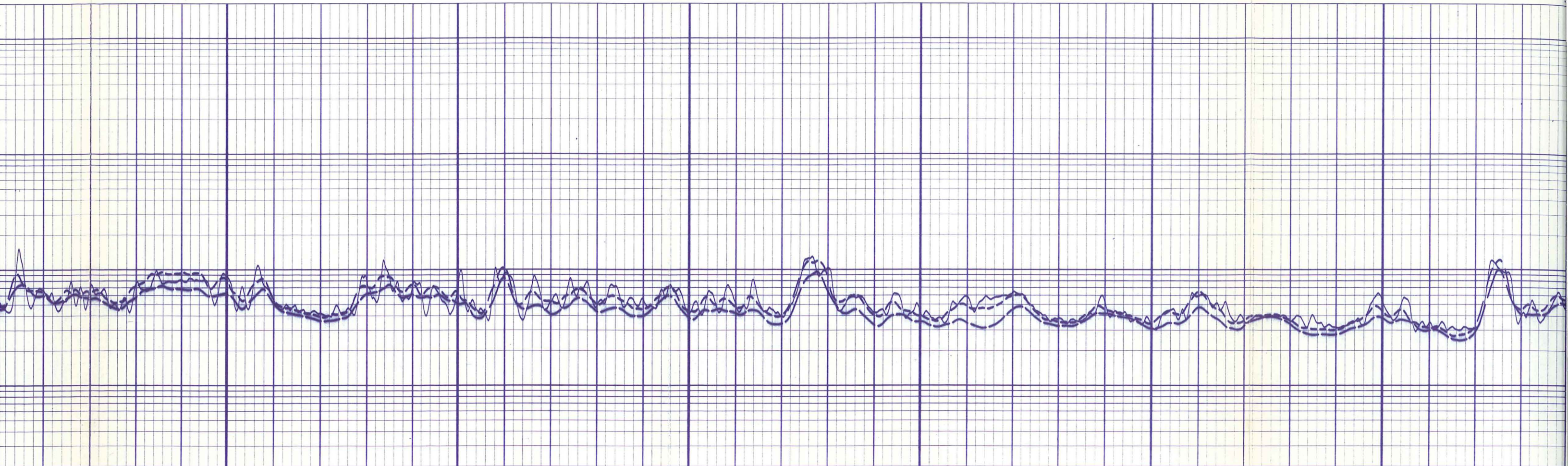


2800

2900

3000



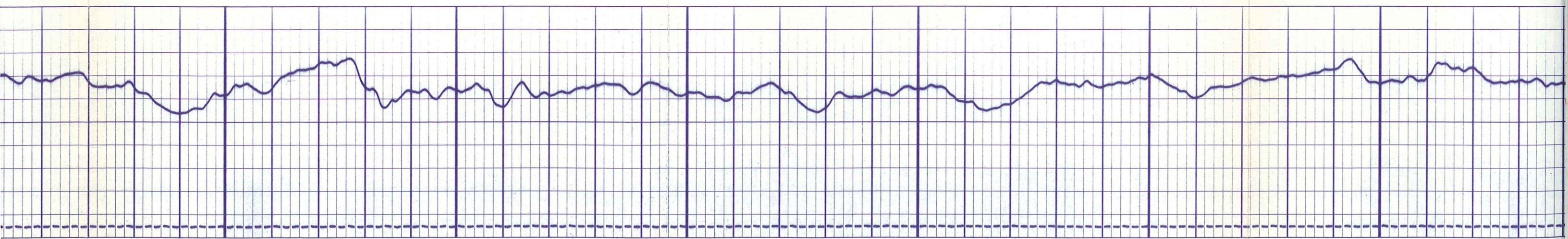


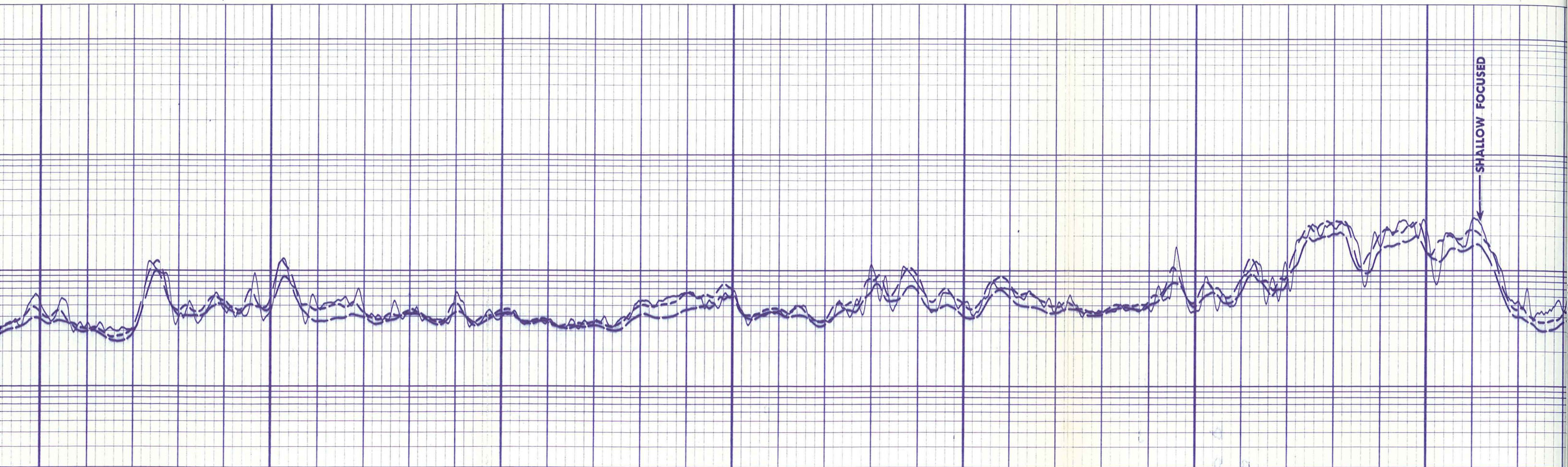
00

3100

3200

3300





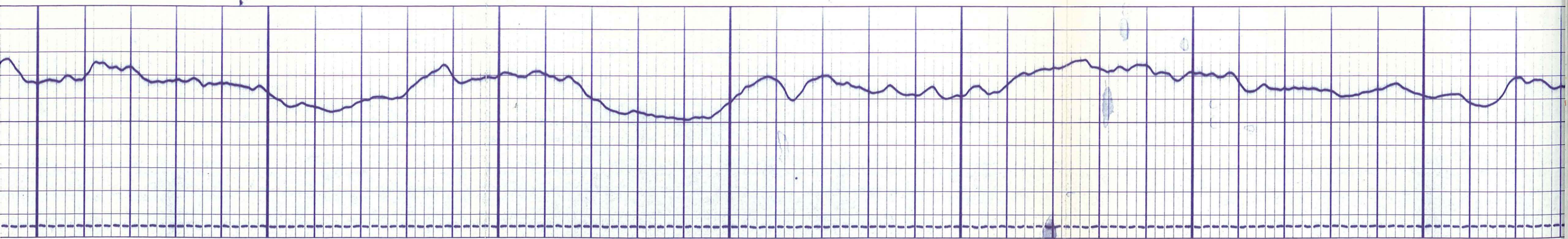
SHALLOW FOCUSED

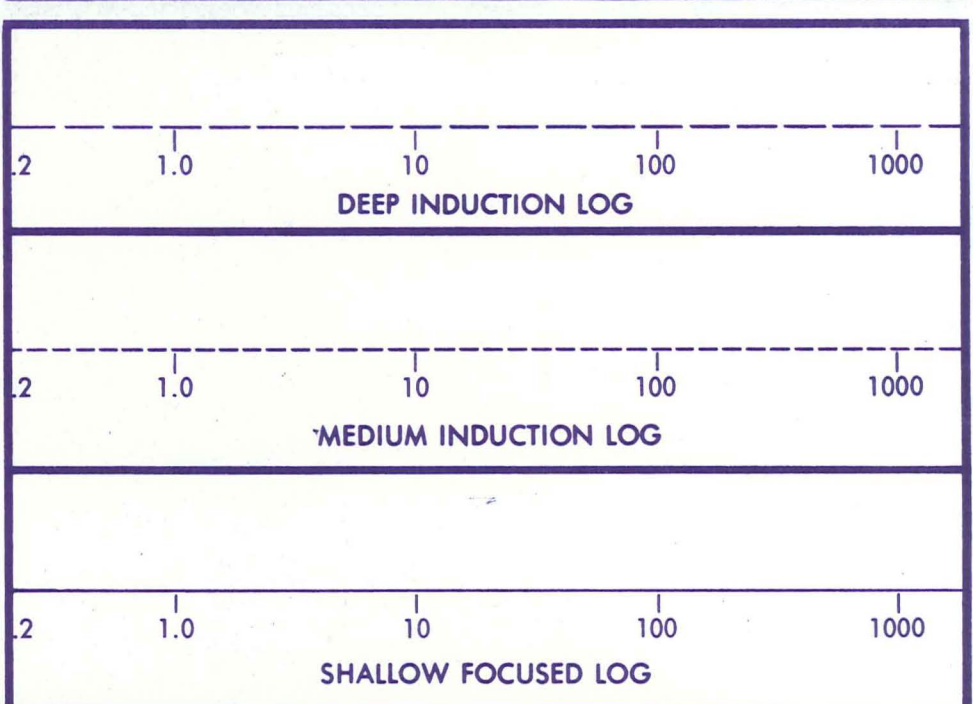
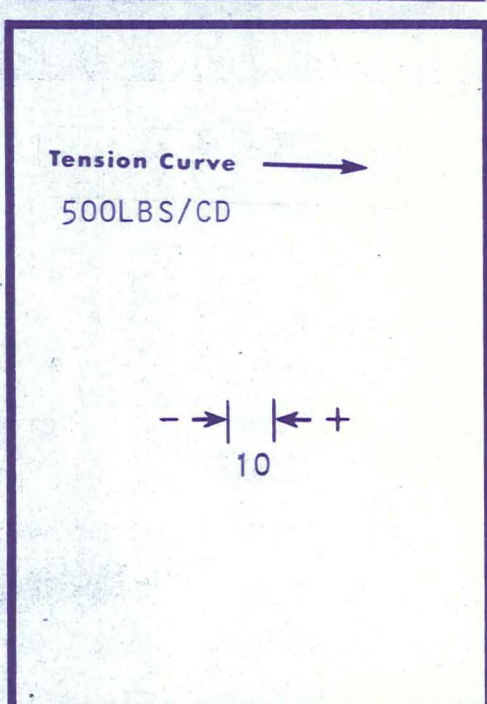
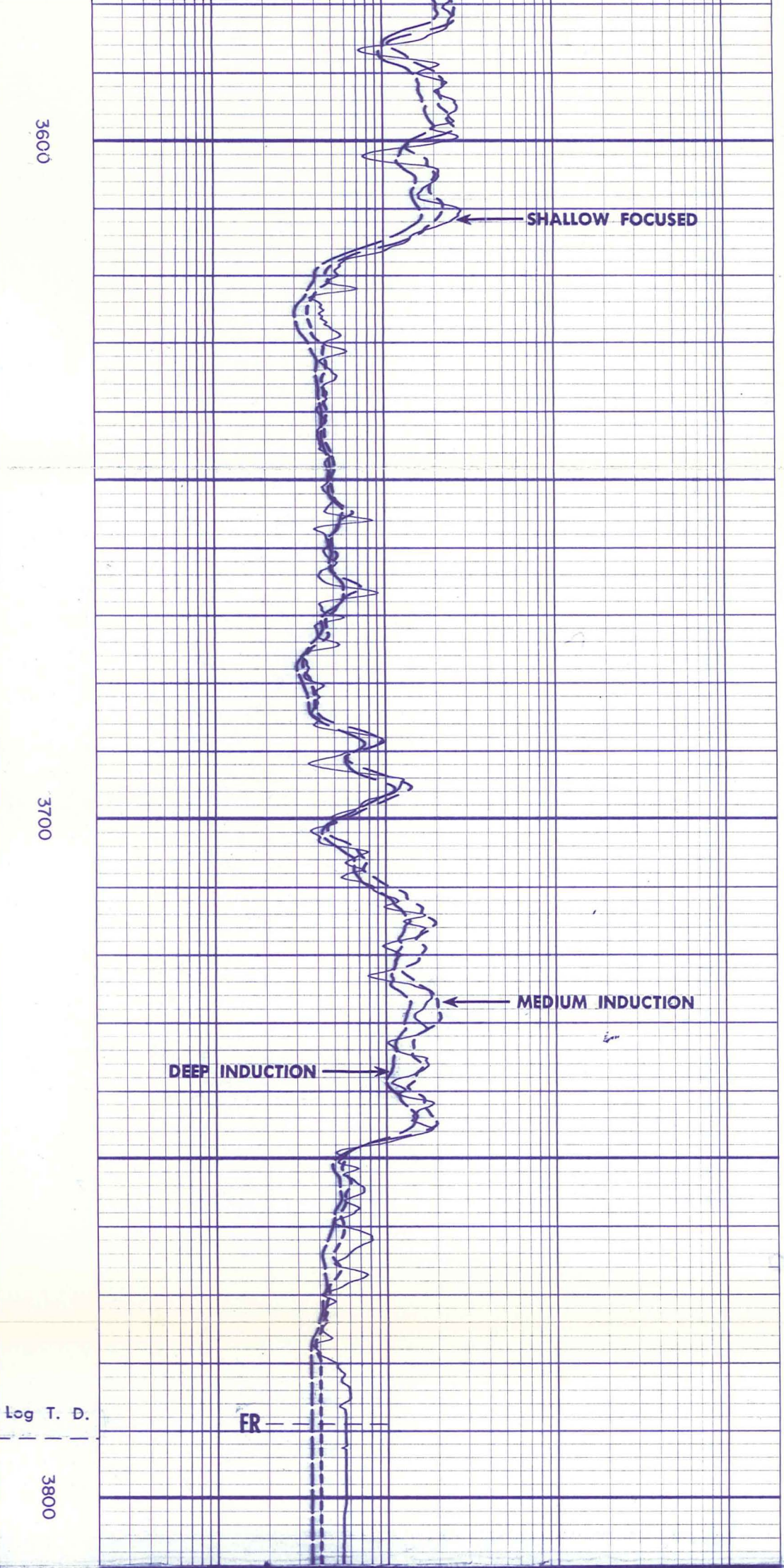
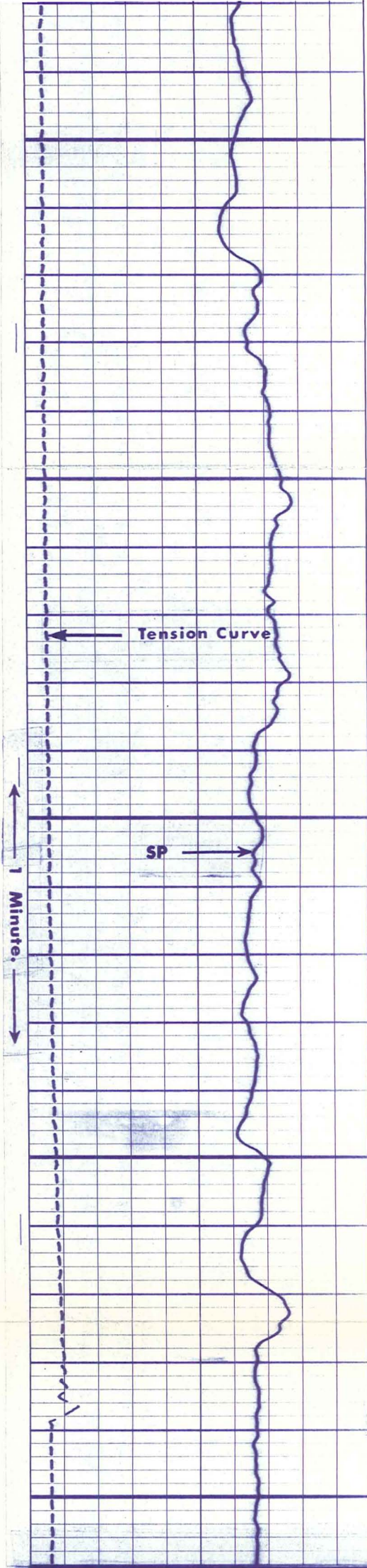
3300

3400

3500

3600





SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY ohms - m ² /m
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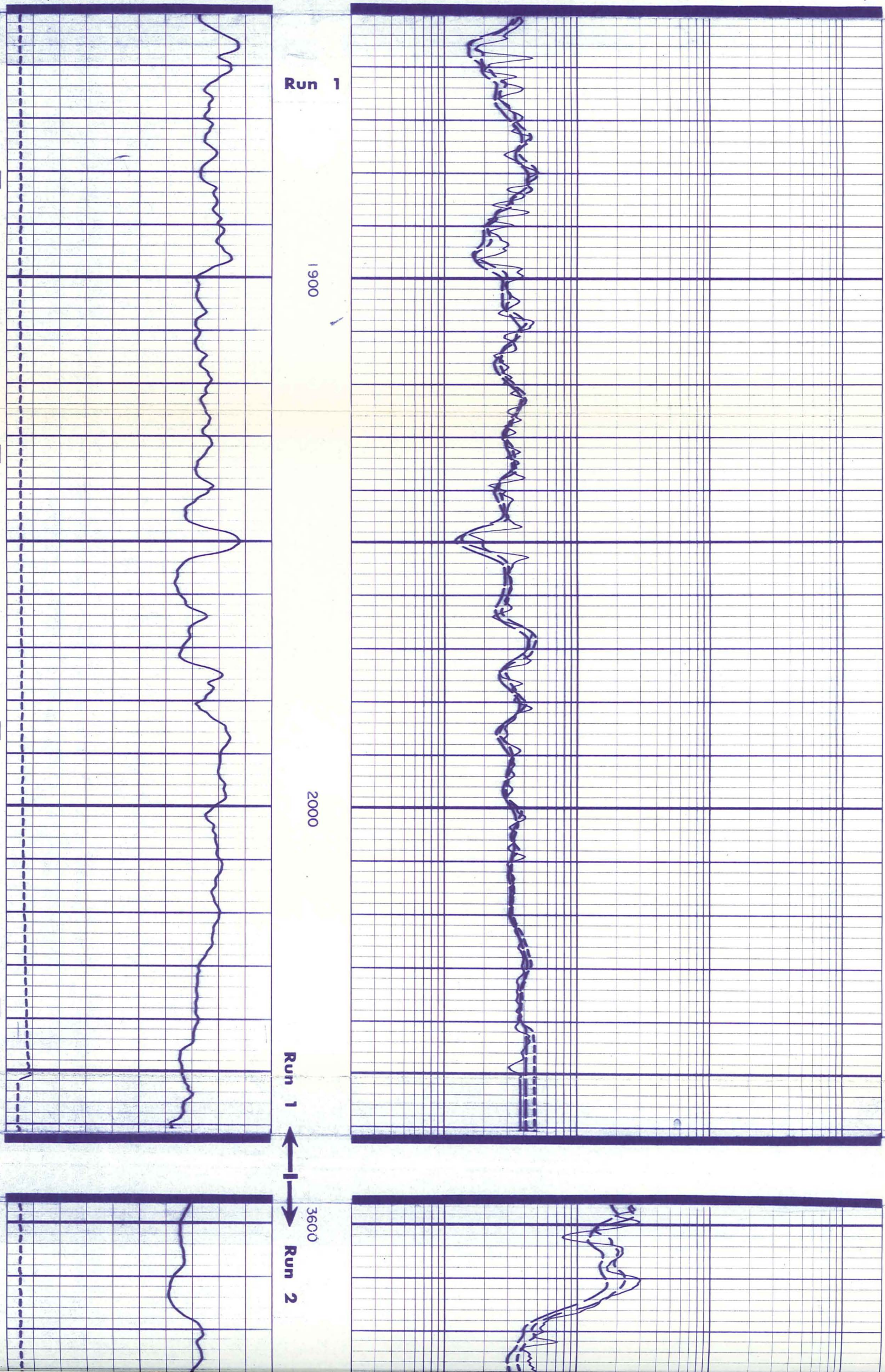
Company	E. G. & G. IDAHO INC.	Drillers T.D.	3858
Well	R.R.G.I. #7	Log F.R.	3789
Field	RAFT RIVER GEOTHERMAL	Log T.D.	3791

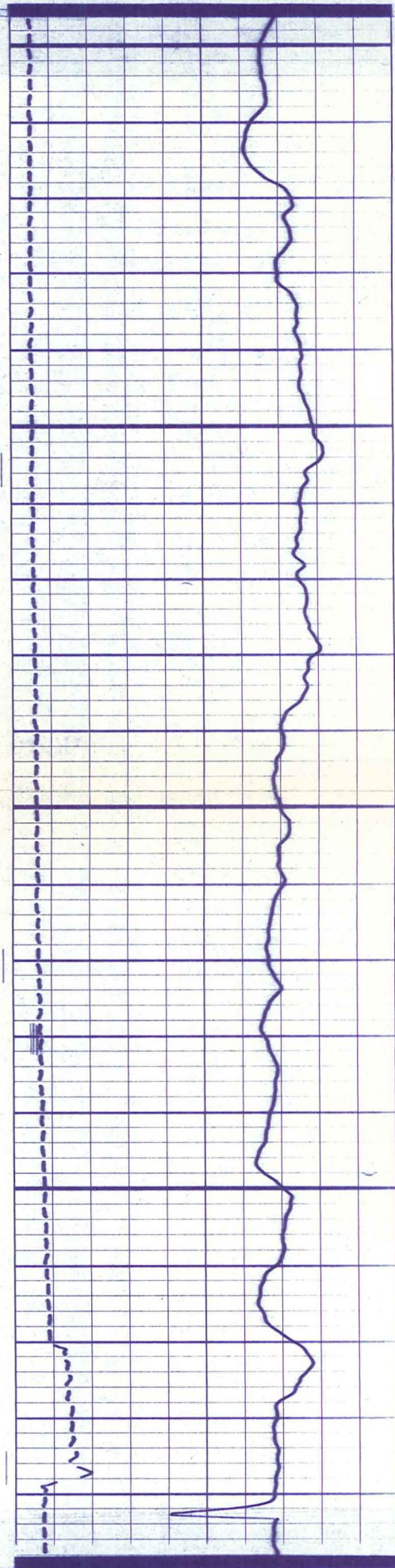
0.2 1.0 10 100 1000
 SHALLOW FOCUSED LOG

SPONTANEOUS POTENTIAL Millivolts	DEPTH	RESISTIVITY ohms - m ² /m
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Company	E. G. & G. IDAHO INC.	Drillers T.D.	3858
Well	R.R.G.I. #7	Log F.R.	3789
Field	RAFT RIVER GEOTHERMAL	Log T.D.	3791
County	CASSIA	Elevations:	
State	IDAHO	K.B.	4871
		D.F.	4870
		G.L.	4855

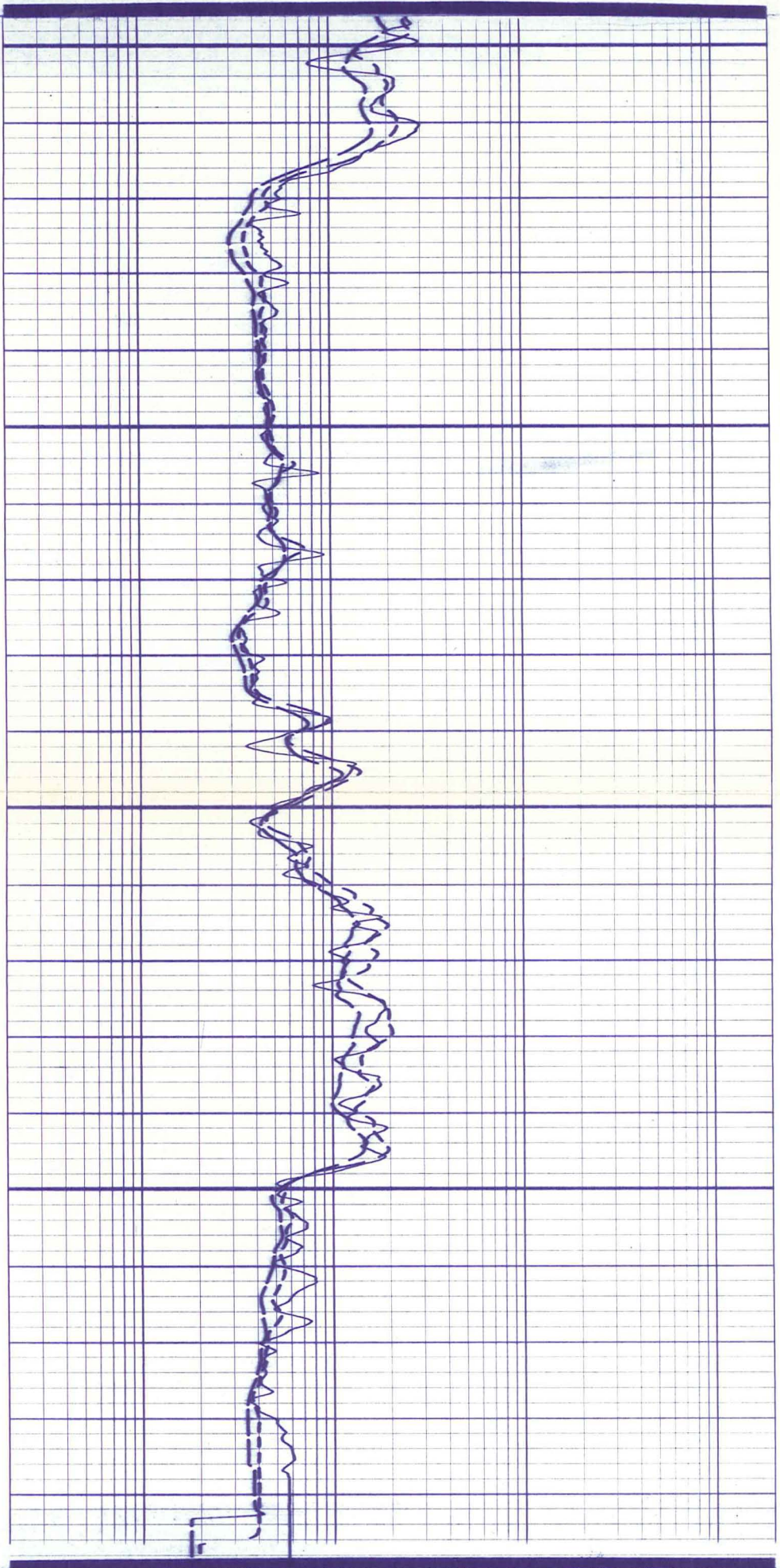
REPEAT SECTION





3600
Run 2

3700

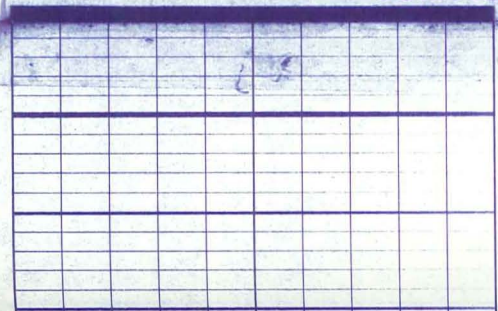


CALIBRATION

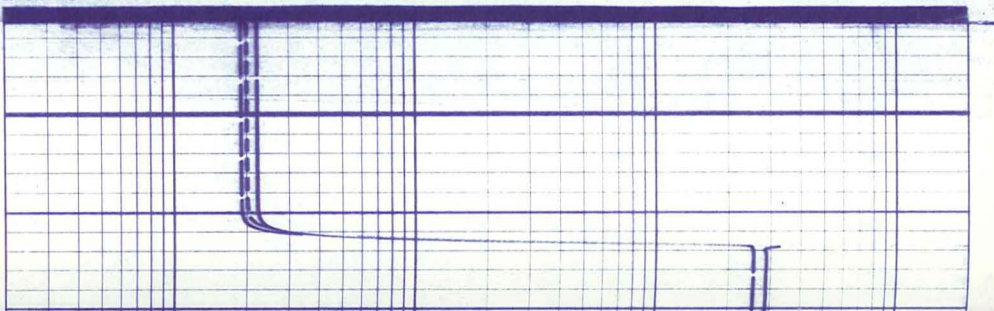
DUAL INDUCTION FOCUSED LOG (LOGARITHMIC)

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

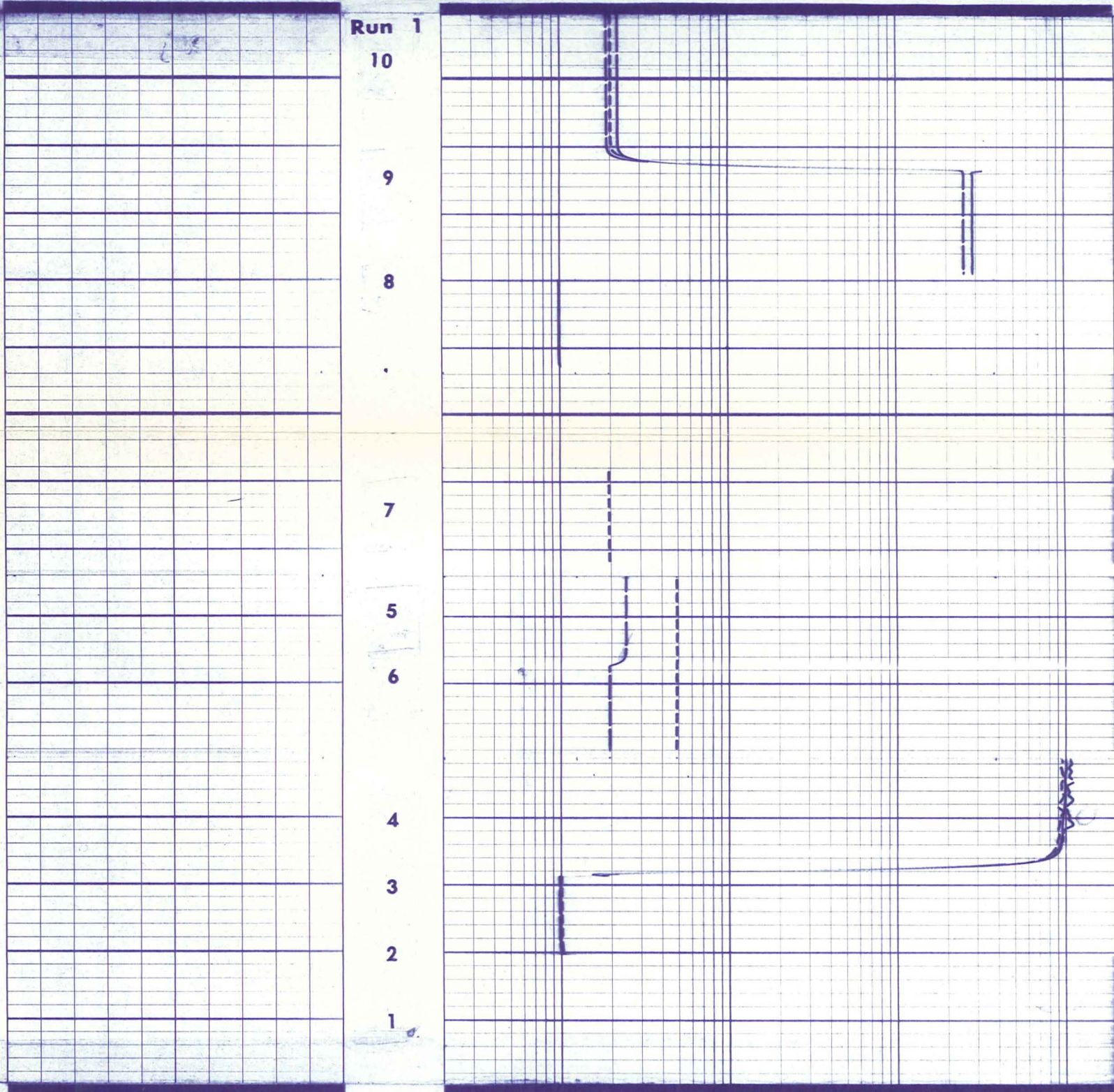
SURFACE CALIBRATION



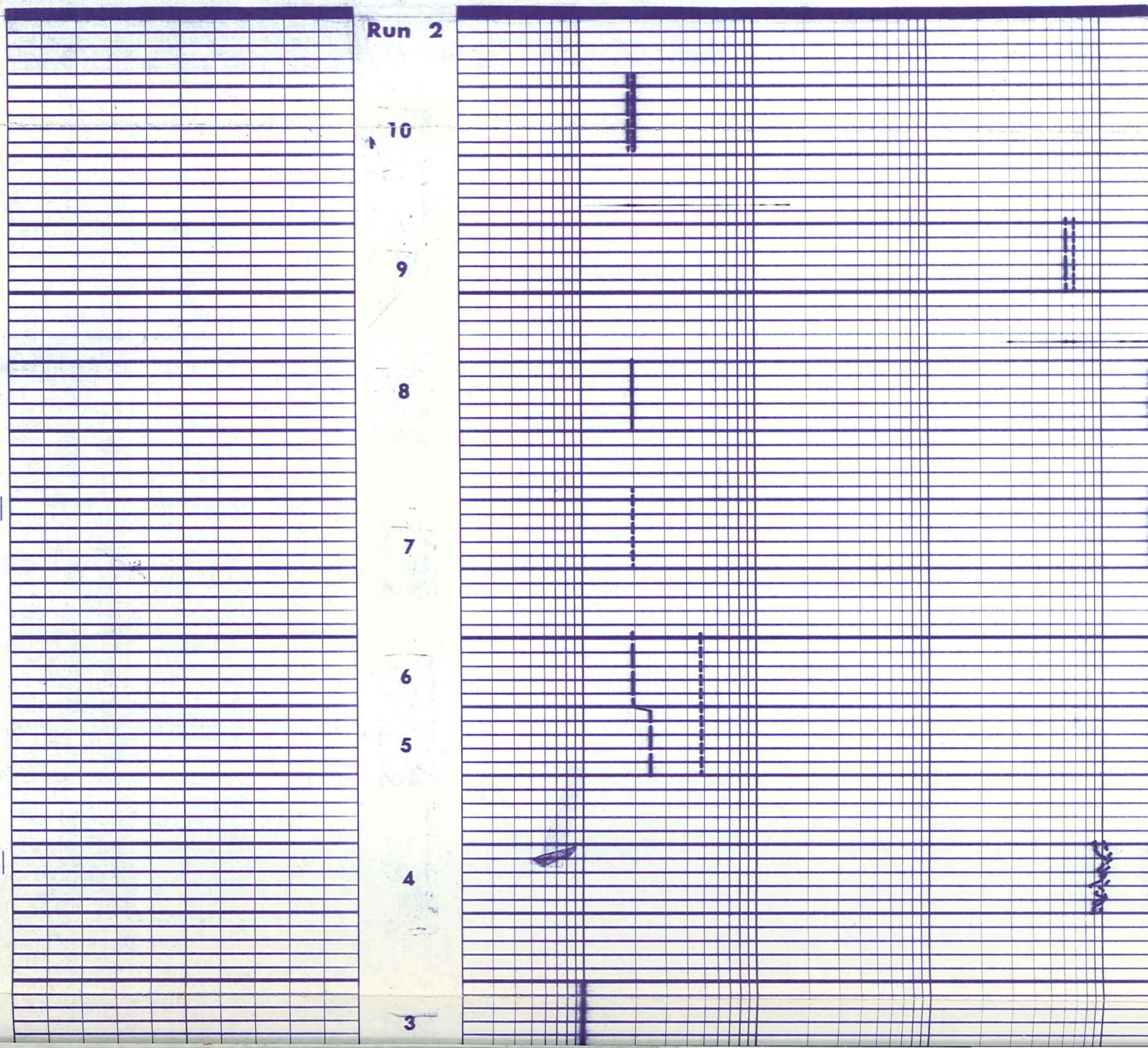
Run 1
10
9

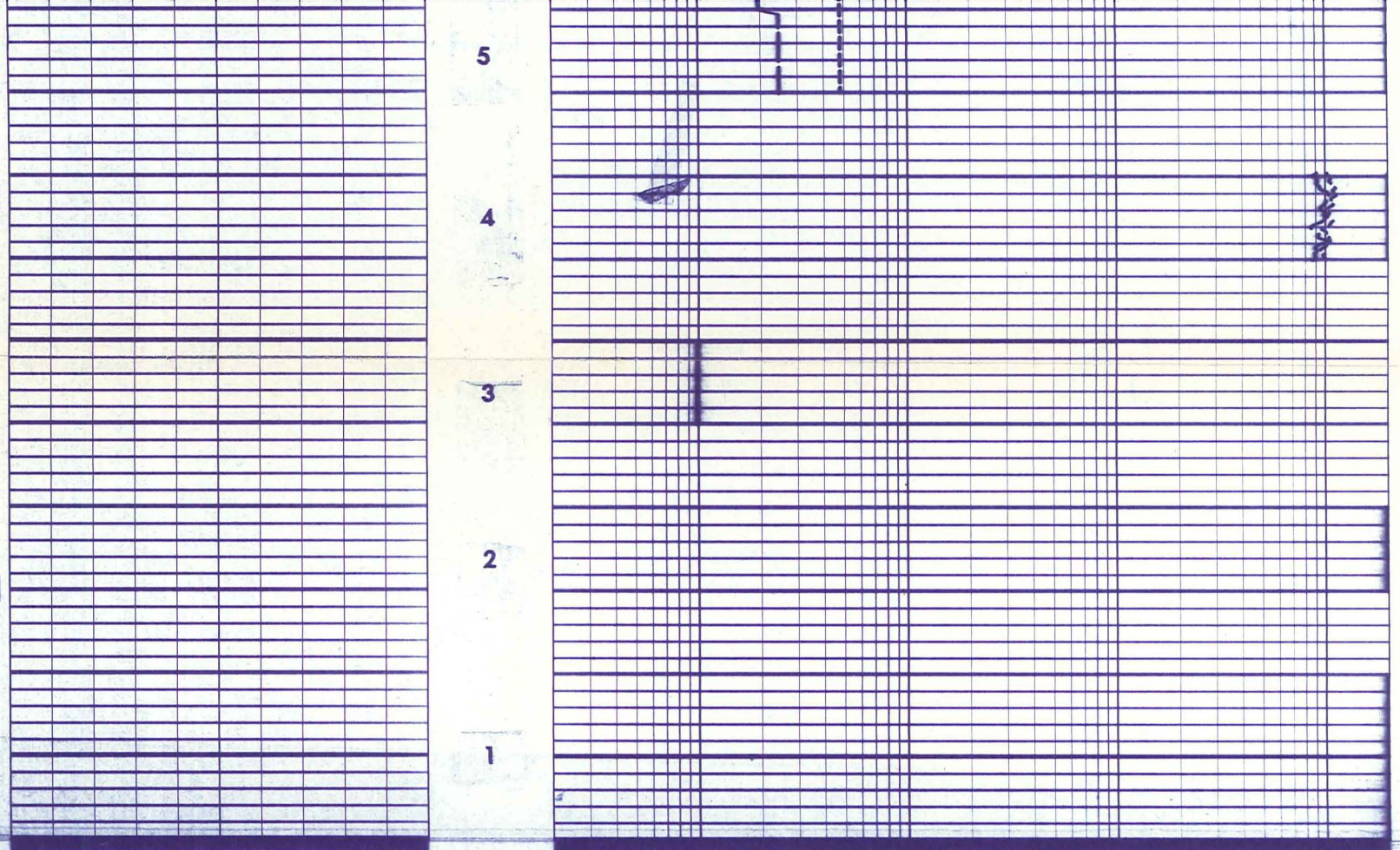


SURFACE CALIBRATION

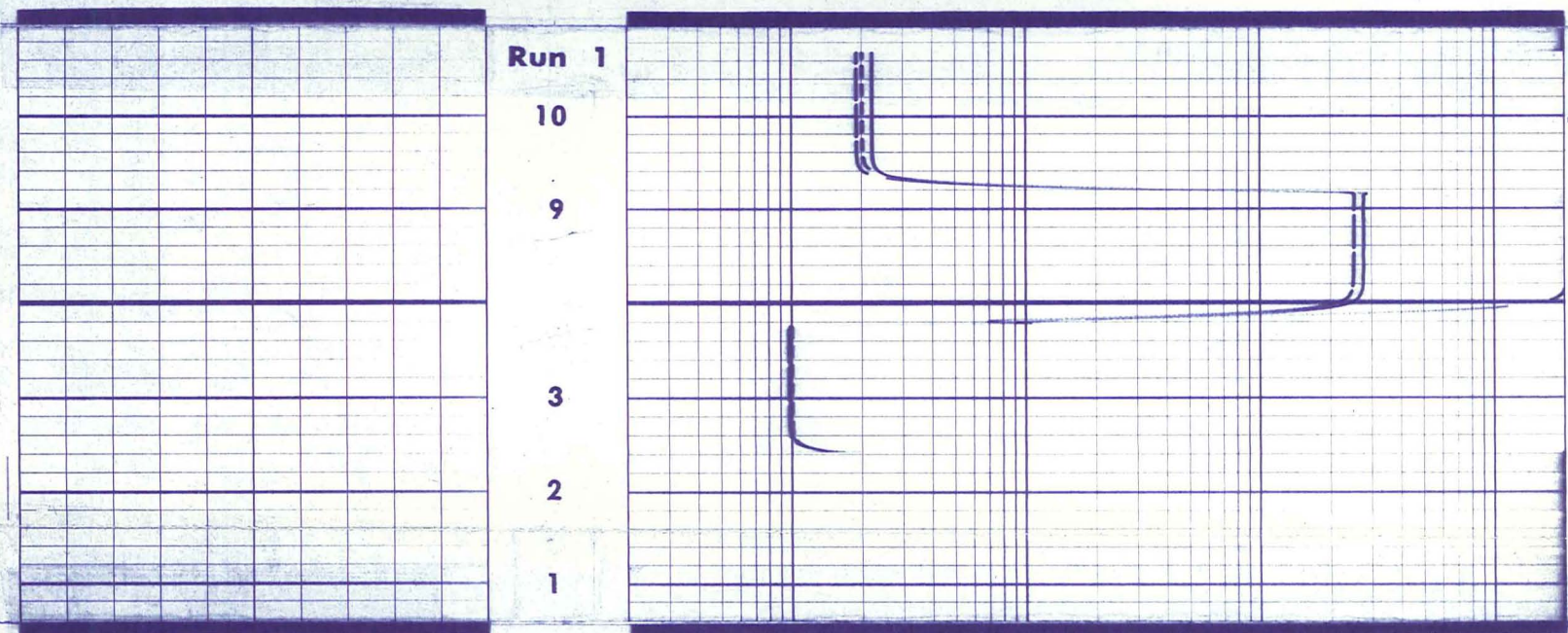


SURFACE CALIBRATION

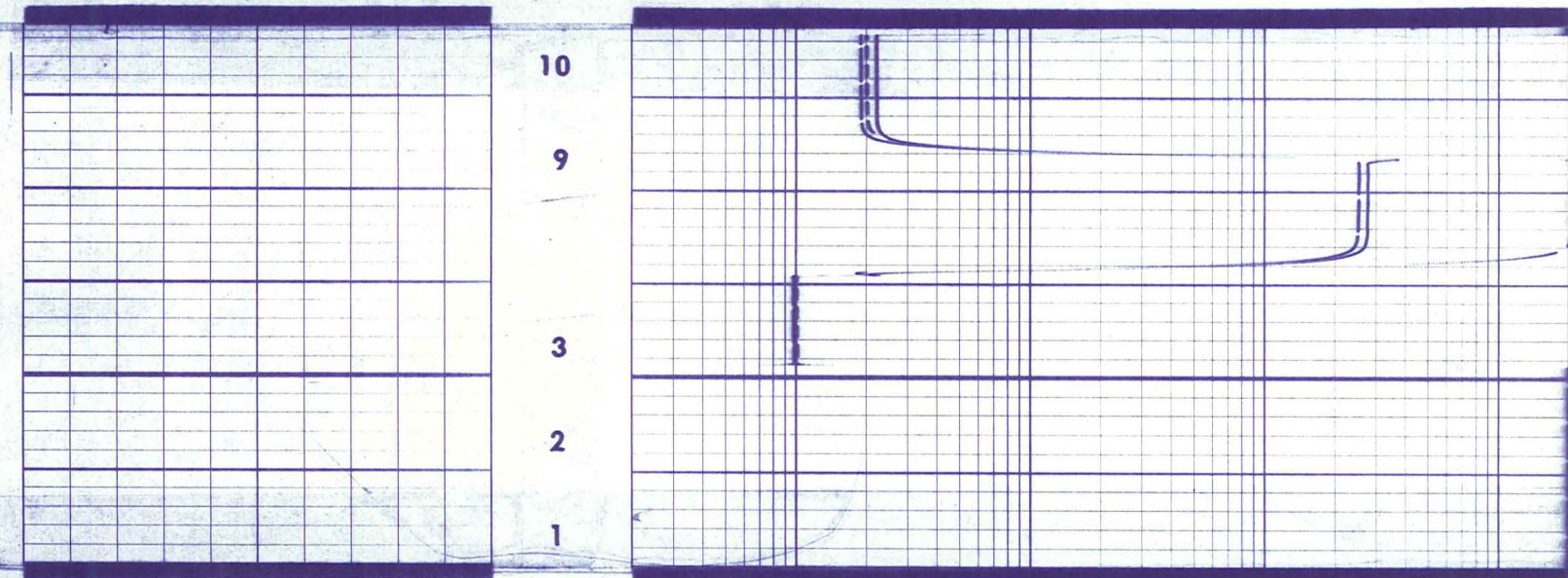




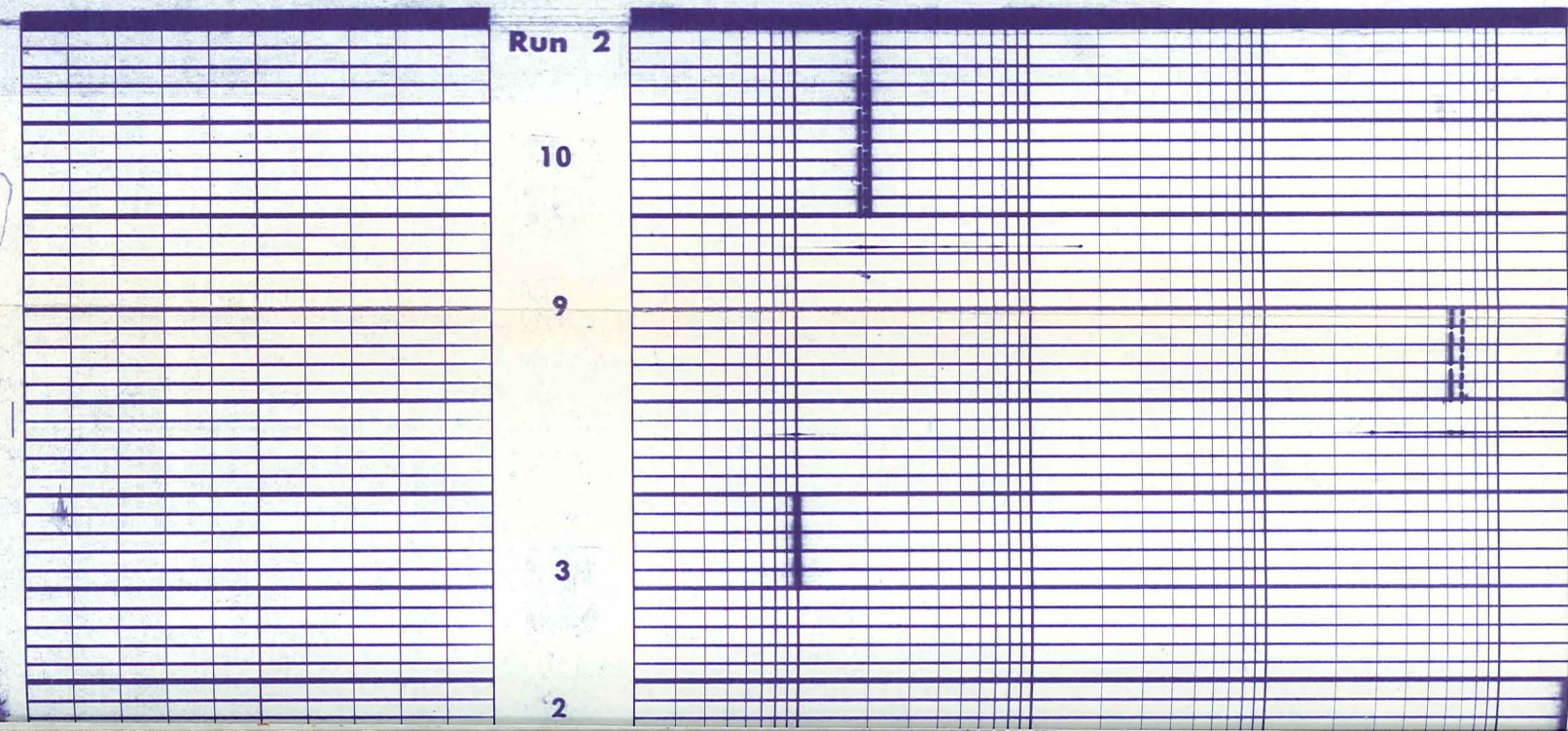
CALIBRATION AFTER SURVEY

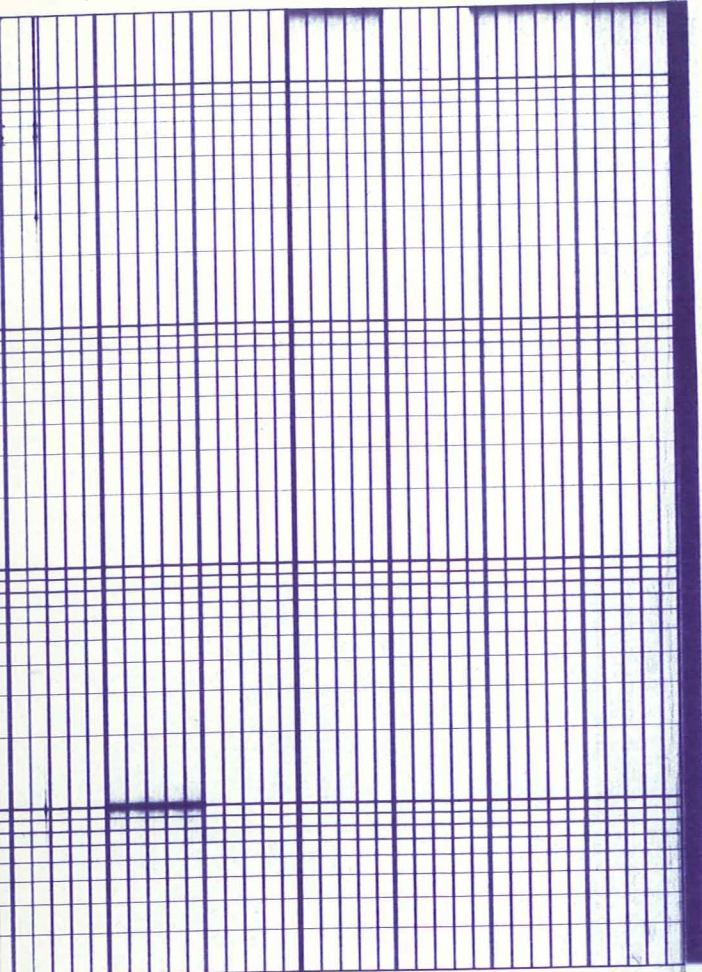


CALIBRATION BEFORE SURVEY

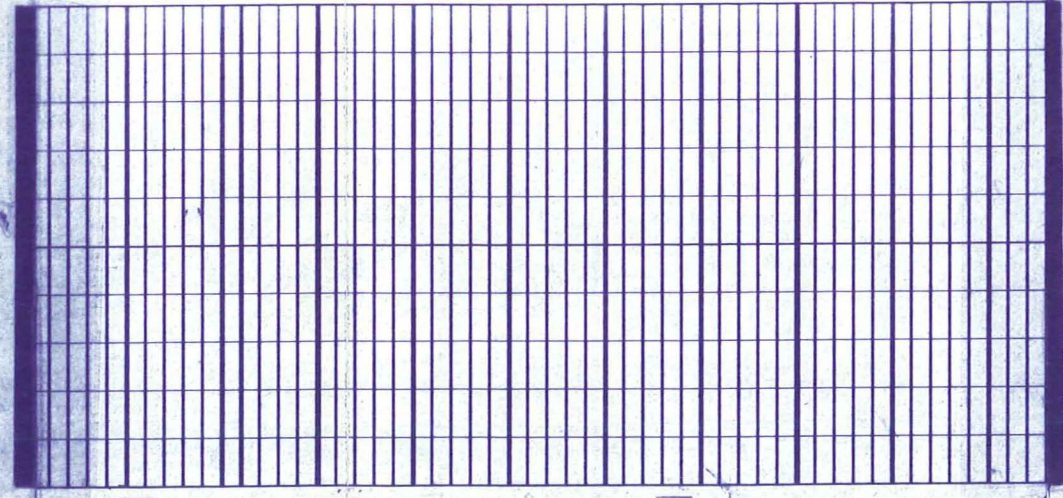
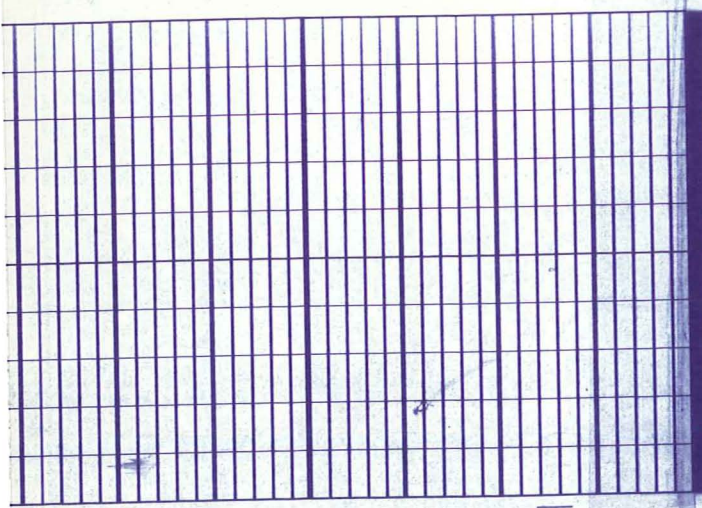
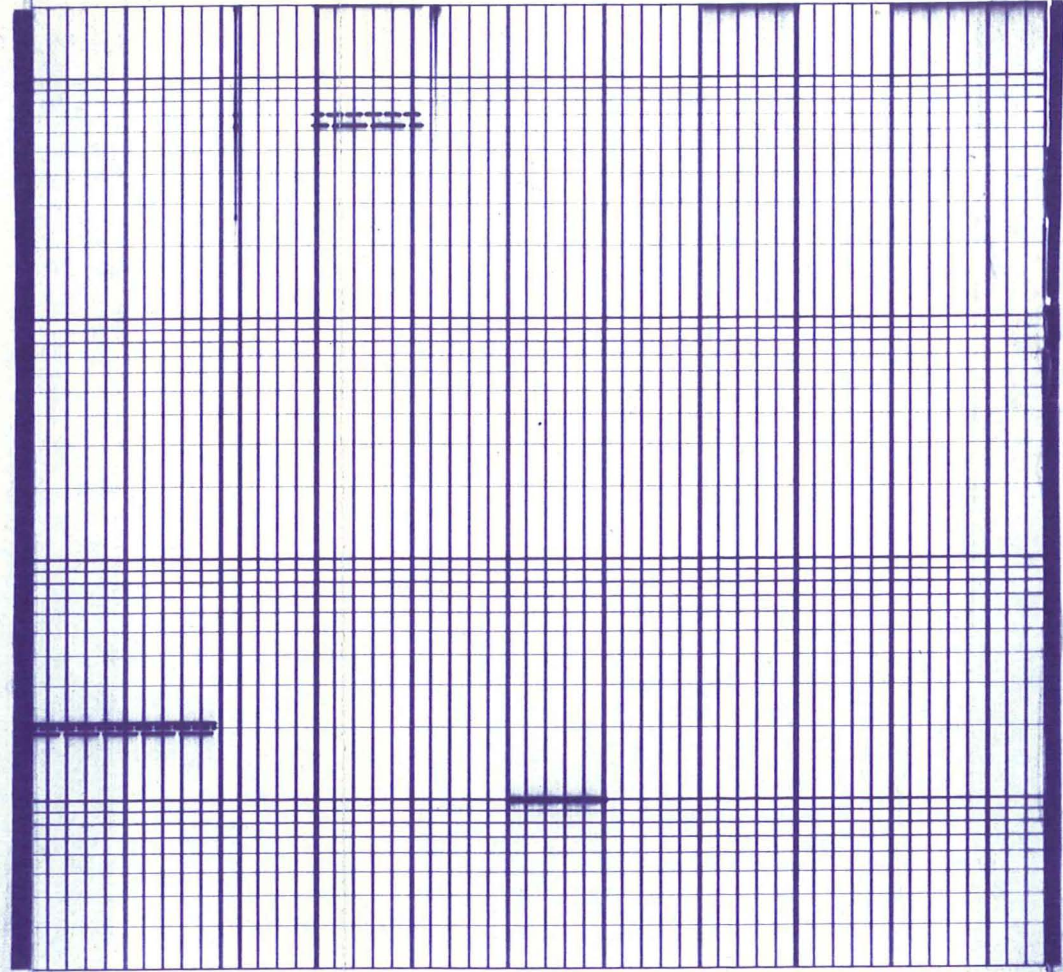


CALIBRATION AFTER SURVEY





CALIBRATION BEFORE SURVEY



Dresser Atlas
DIVISION OF DRESSER INDUSTRIES, INC.