



COMPENSATED

Densilog

FILE NO. COMPANY E. G. & G. IOANO INC.

WELL RRGP - 4A

FIELD RAFT RIVER GEOTHERMAL

COUNTY CASSIA STATE IDAHO

*Thank You!*

LOCATION: SEC 23 TWP 15 S RGE 26 E

Other Services  
DIPLOG  
CNL/GR  
BNC/CAL  
4 ARM CAL  
DIFF. TEMP.  
DIPLOG

Permanent Datum G.L. Elev. 4840  
Log Measured from K.B., 16 Ft. Above Permanent Datum  
Drilling Measured from K.B.

Elevations:  
KB 4856  
DF 4855  
GL 4840

Date 10/20/78  
Run No. 720  
Depth-Driller 5212  
Depth-Logger 5222  
Bottom Logged Interval 5221  
Top Logged Interval 3471  
Casing-Driller 9 5/8" @ 3457 @  
Casing-Logger 3471 @  
Bit Size 8 3/4"  
Type Fluid in Hole WATER

Density and Viscosity  
pH and Fluid Loss  
Source of Sample  
Rm @ Meas. Temp. @ °F  
Rmf @ Meas. Temp. @ °F  
Rmc @ Meas. Temp. @ °F  
Source of Rmf and Rmc  
Rm @ BHT @ °F  
Time Since Circ. 17 HRS.  
Max. Rec. Temp. Deg. F. 266 °F  
Equip. No. and Location 6159 RSVT.  
Recorded By WAKELAND - PERESSINI  
Witnessed By

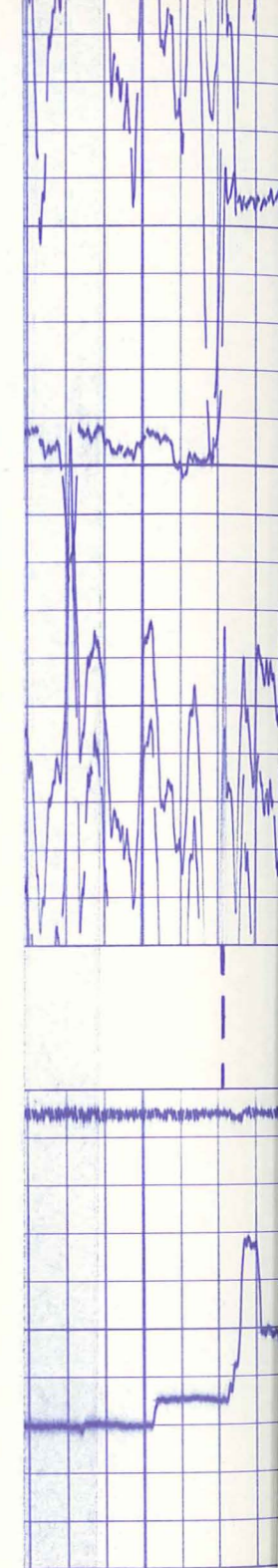
FIELD DATA

FOLD HERE

Remarks:

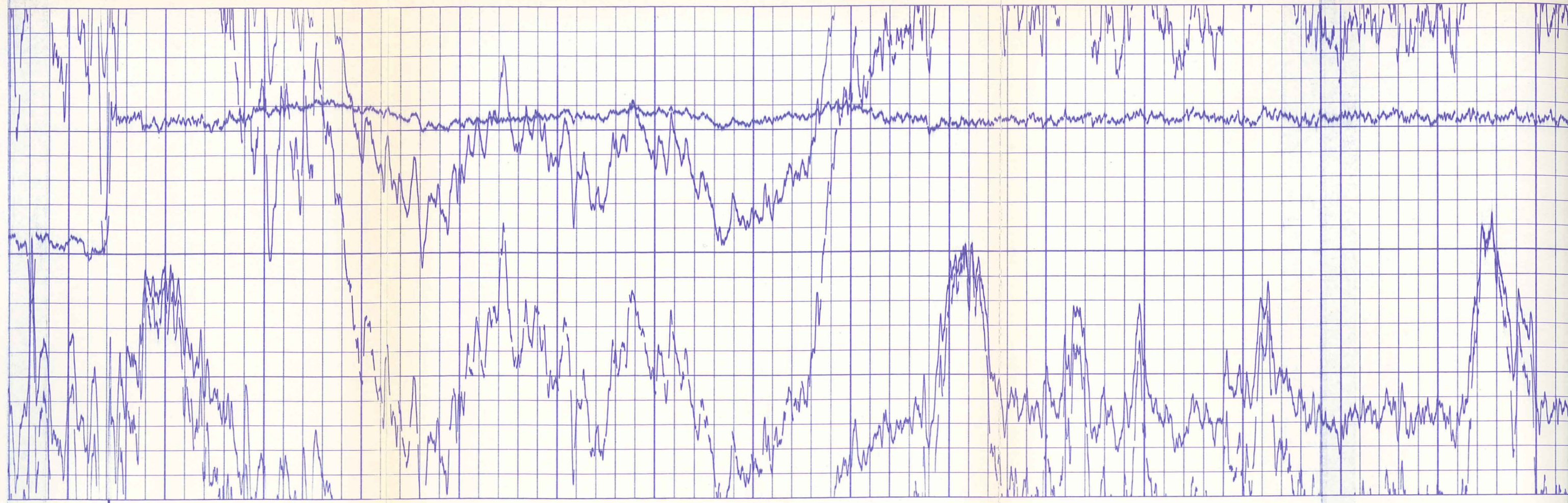
Equipment Used		Gamma Ray		Densilog		Logging Data		Gamma Ray	
Series No.	Run No.	Run No.	Tool Model No.	Run No.	Tool Model No.	Density Scale	Correction Scale	T.C. Sec.	Porosity Scale Data
2208	720	720	2208			20 → 3.0	-0.5 → +0.5	2	0 - 30 %
	87825		29226						
	29226		3"						
	29226		3457						
	37004		37004						
			53420						
			C-116						
Computer Data									
General		Hoist Truck No. <u>ML-6159</u>							
		Auxiliary Equipment							
General		Speed Ft./Min. <u>30</u>							
Depths		From To							
Run No. <u>2</u>									

CALIPER	DEPTH	BULK DENSITY GRAMS/CC	
		DEPTH	BULK DENSITY
TENSION 500 #/20	6	20	2.5
		1.0	1.5
HOLE SIZE - INCHES	16	30	2.68
		70	DENSILOG



DENSITY LOG  $\rho$

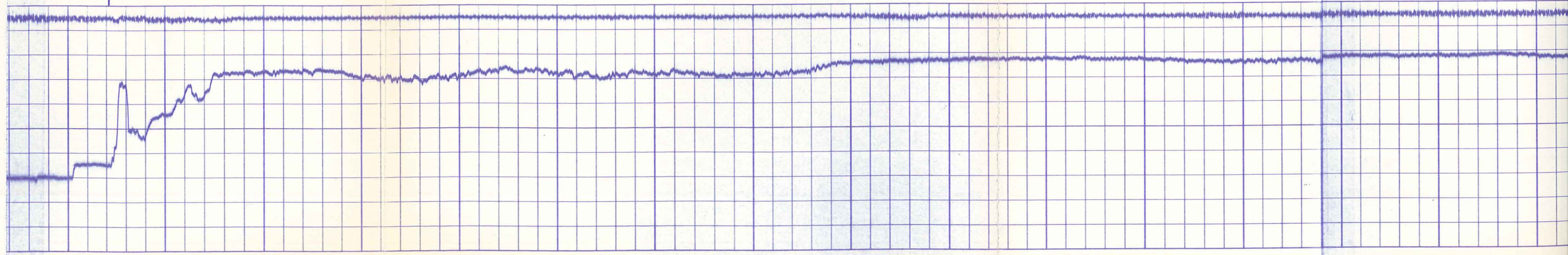
30  
20  
10  
0  
30  
40  
50

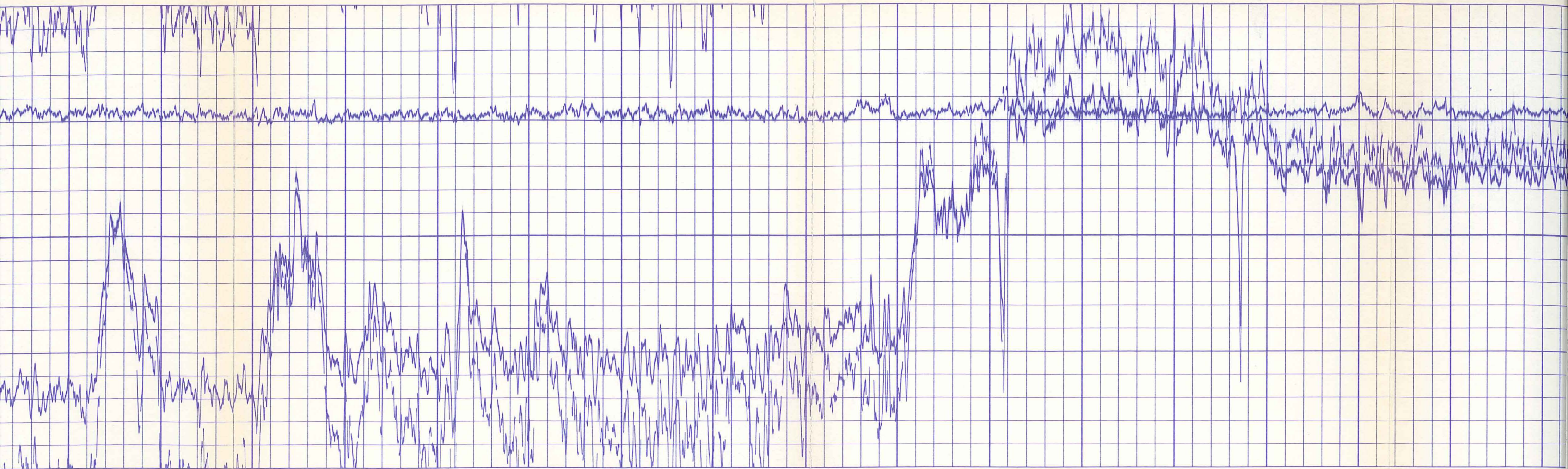


3500 3600 3700 3800 3900 4000 4100 4200

HOLE SIZE - INCHES

6  
16





4200

4300

4400

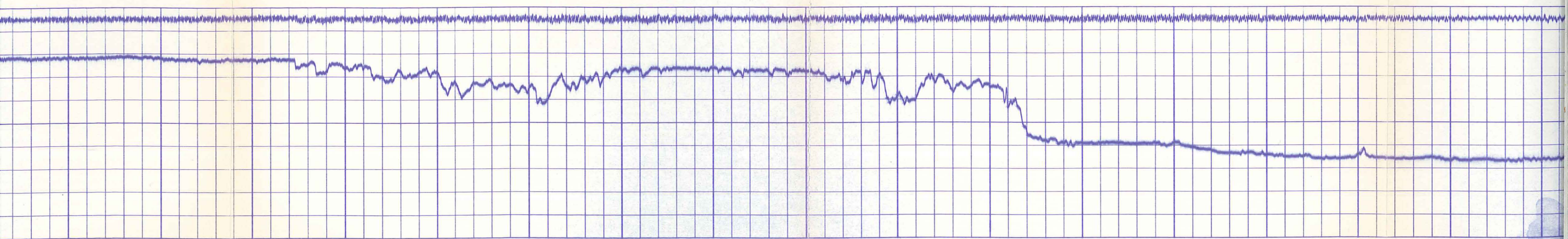
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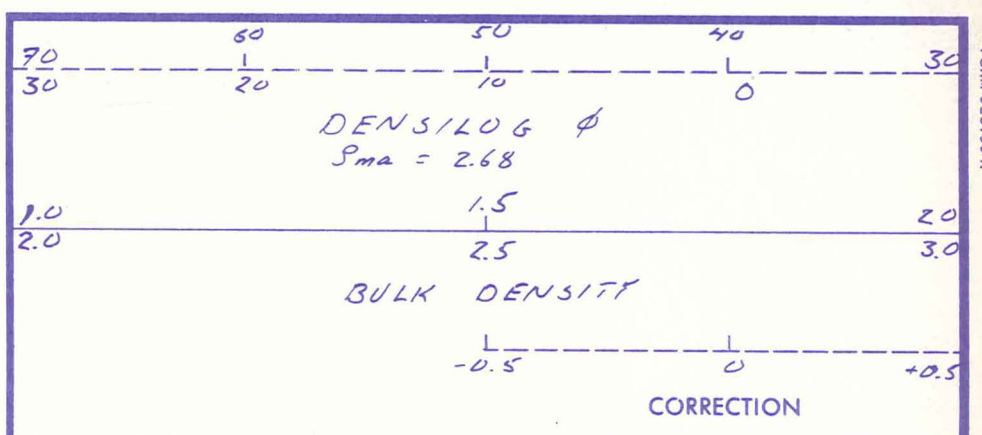
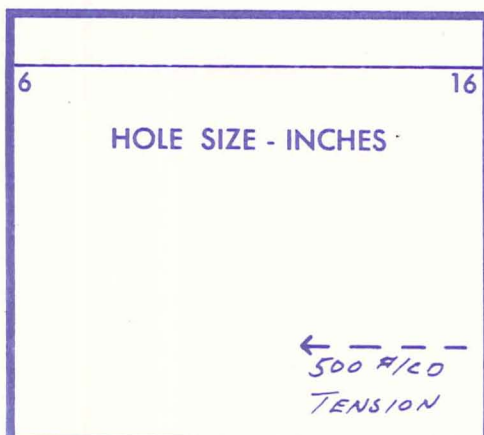
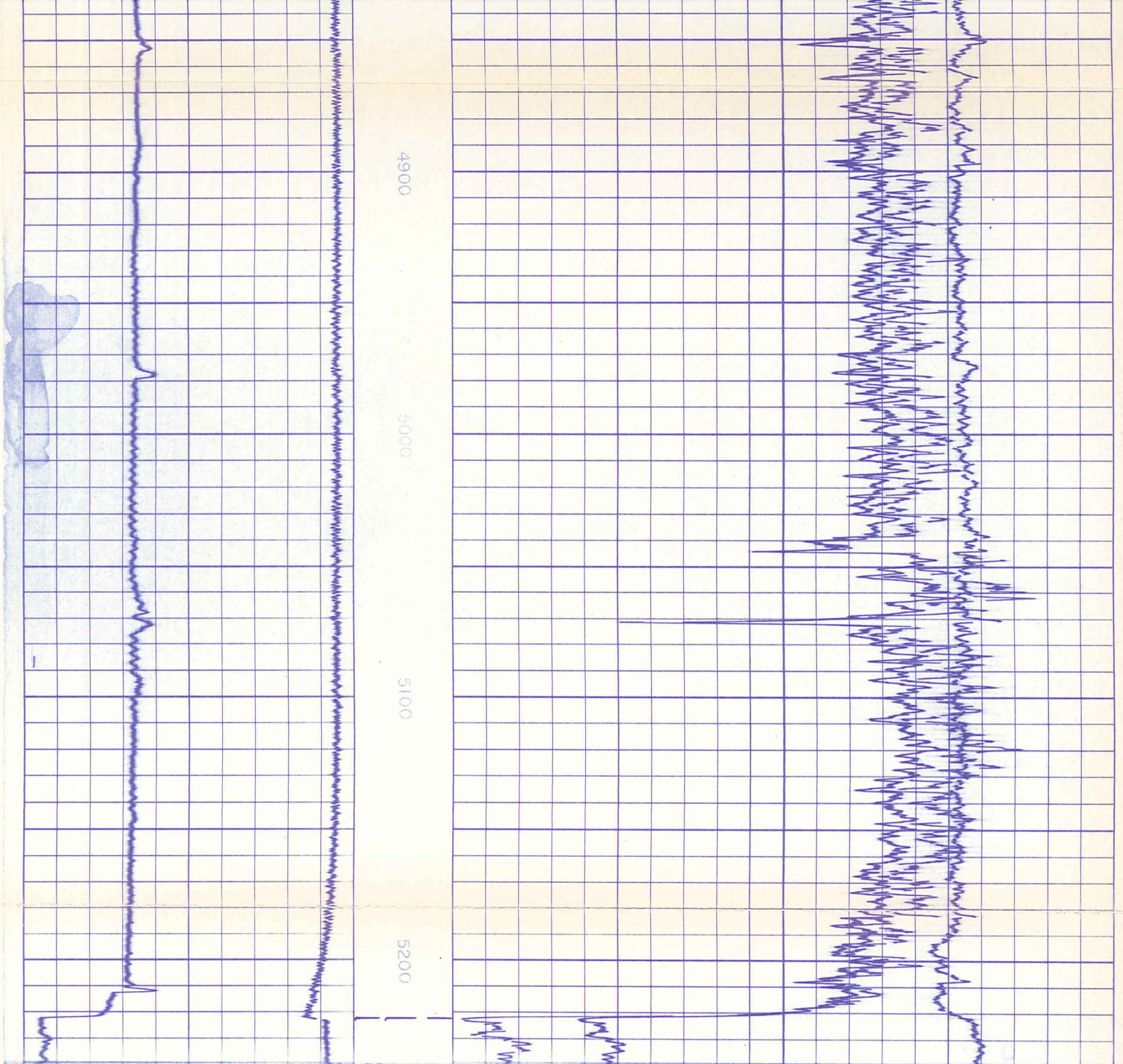
4600

4700

4800

4900

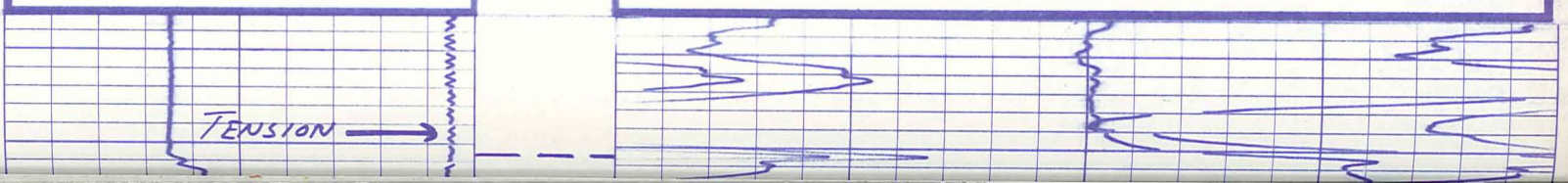
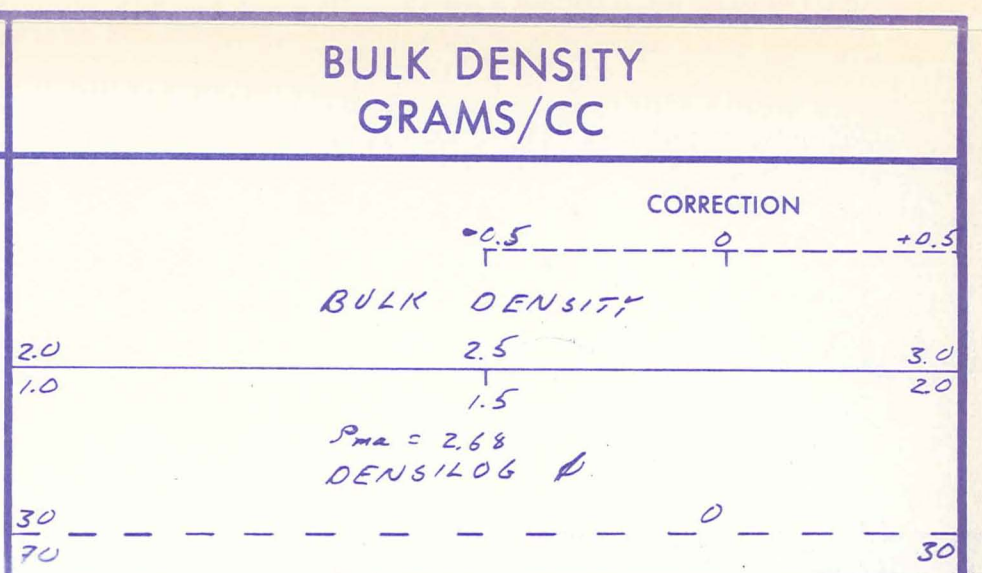
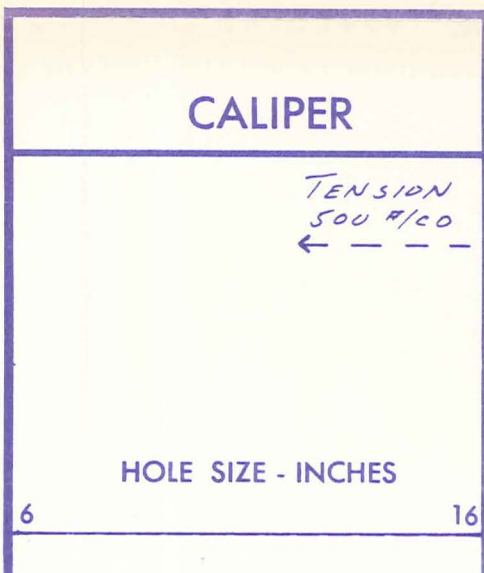




CALIPER	DEPTH	BULK DENSITY GRAMS/CC
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Company *E.G. & G. IDAHO INC.*  
 Well *RRGP-4A*  
 Field *RAFT RIVER GEOTHERMAL*  
 County *CASSIA*  
 State *IDAHO*

Drillers T.D. *5212*  
 Log F.R. *5221*  
 Log T.D. *5222*  
 Elevations:  
 K.B. *4856* D.F. *4850* G.L. *4840*

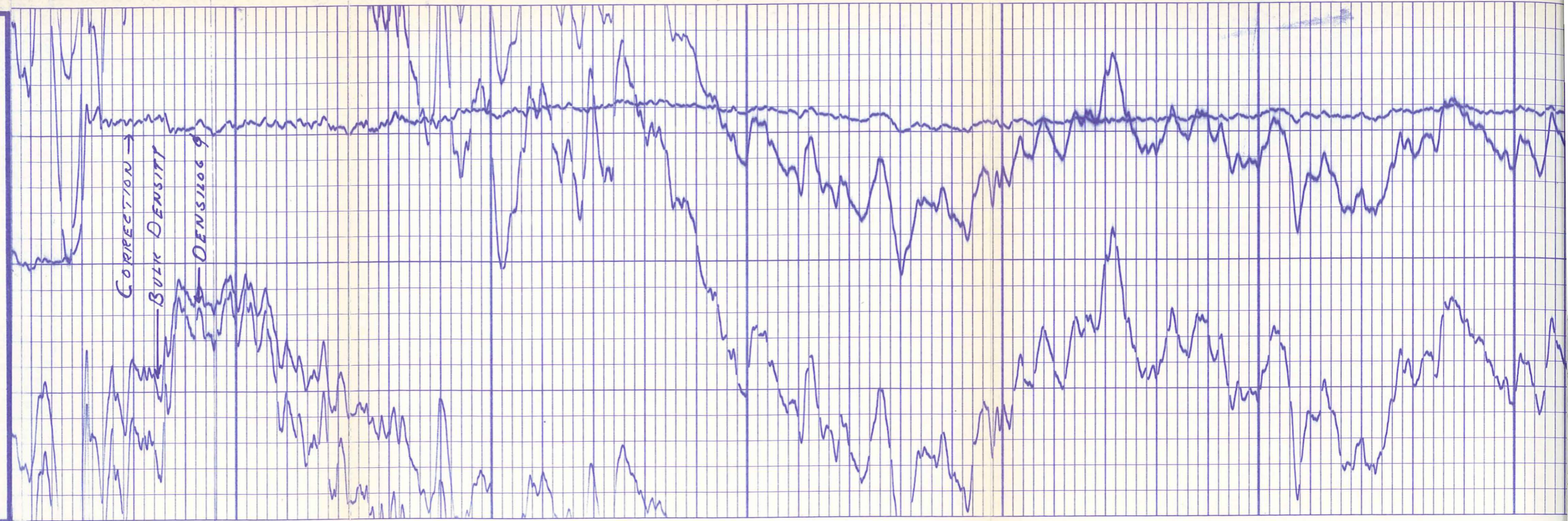


BULK DENSITY

3.0  
2.0  
2.5  
1.5  
2.0  
1.0  
3.0  
2.0

$\rho_{ma} = 2.68$   
DENSITY LOG  $\rho$

CORRECTION →  
BULK DENSITY  
DENSITY LOG  $\rho$



3500

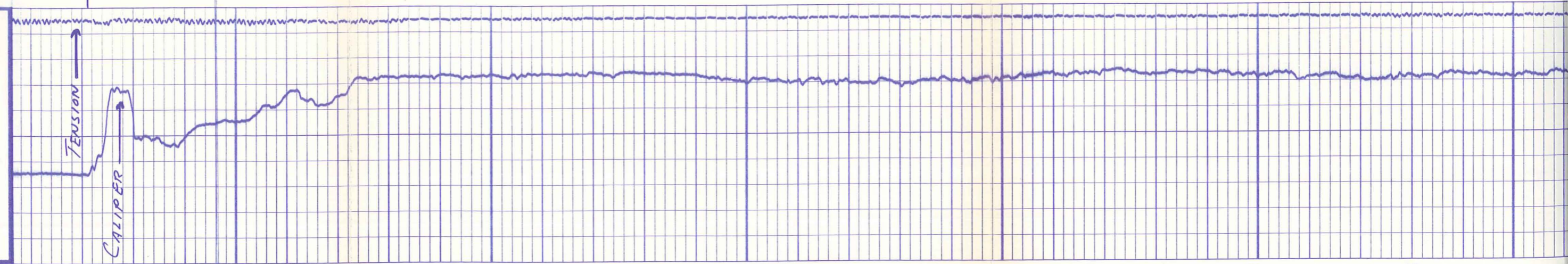
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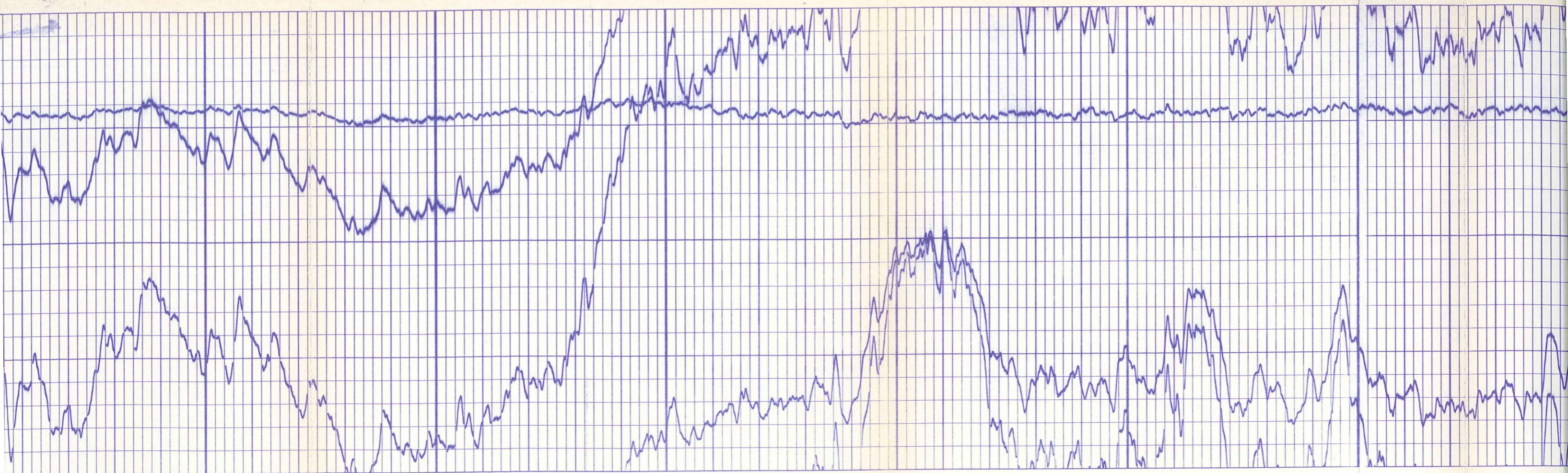
3700

HOLE SIZE - INCHES

16  
6

TENSION →  
CALIPER →

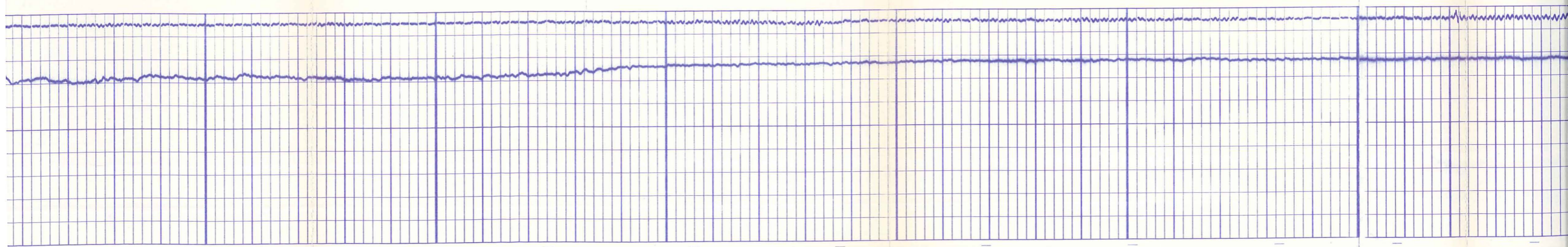


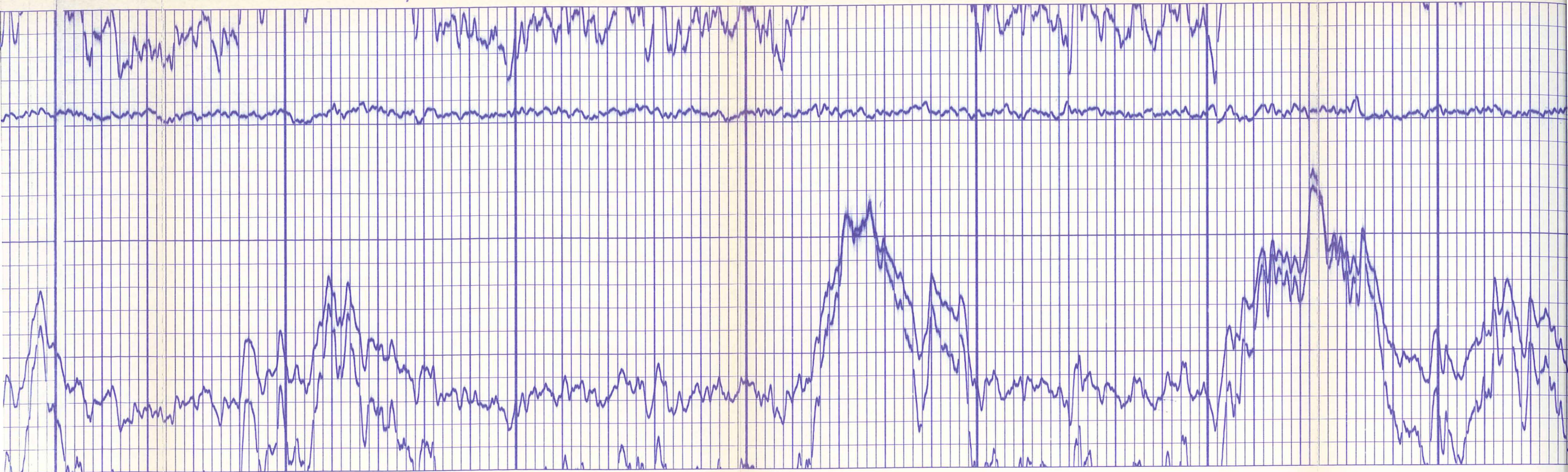


3800

1900

1000



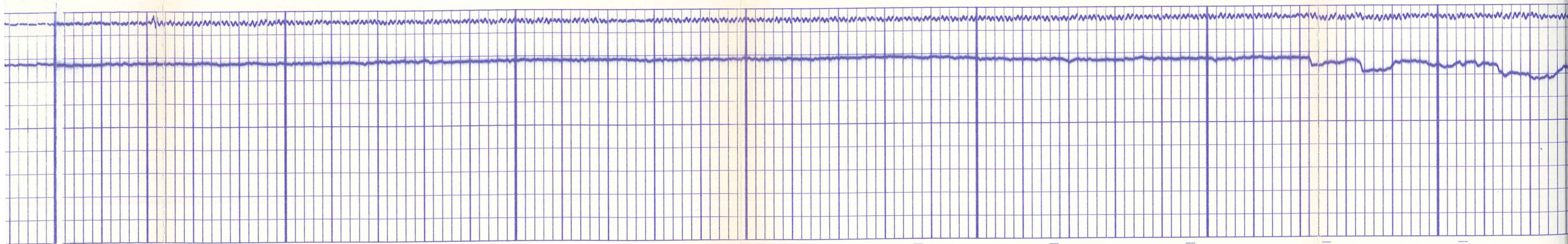


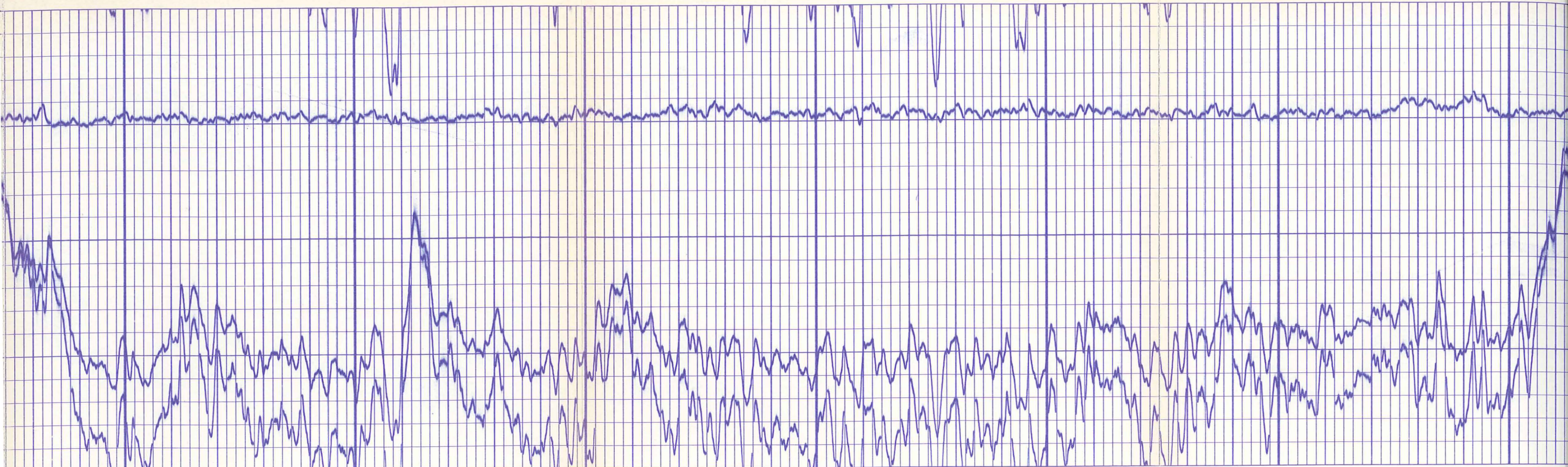
4000

4100

4200

4300



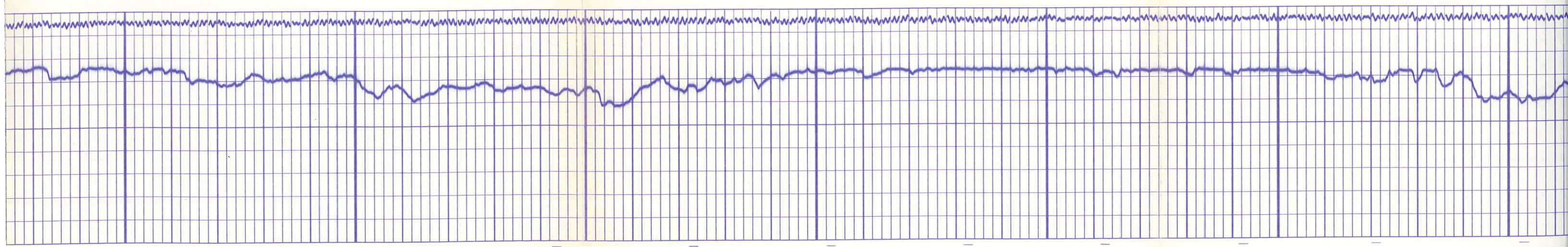


4300

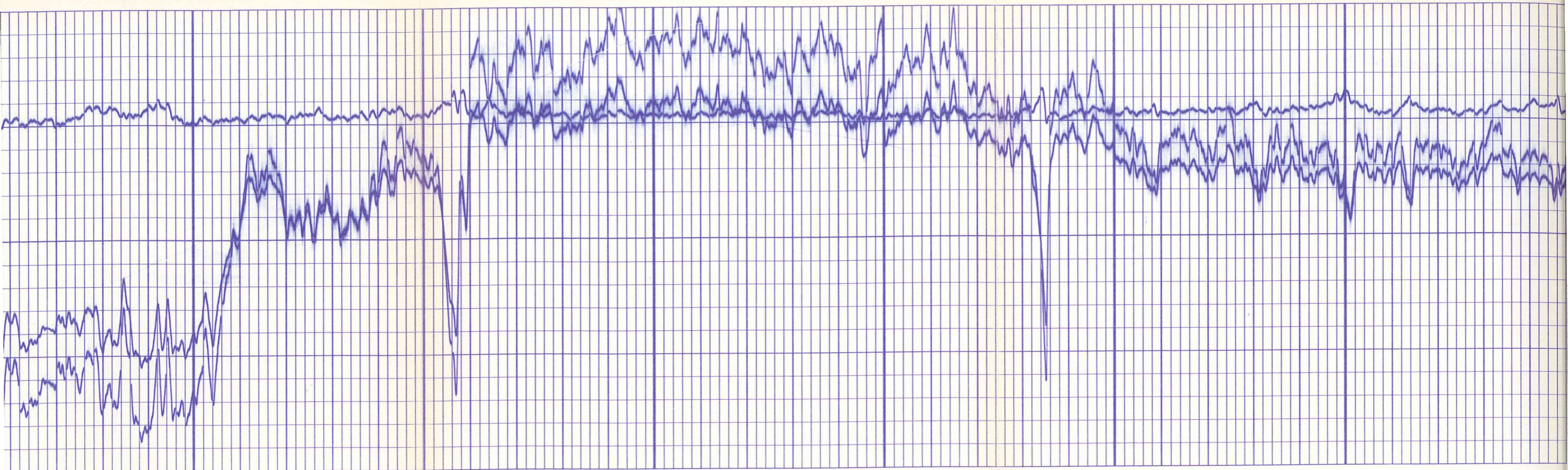
4400

4500

4600







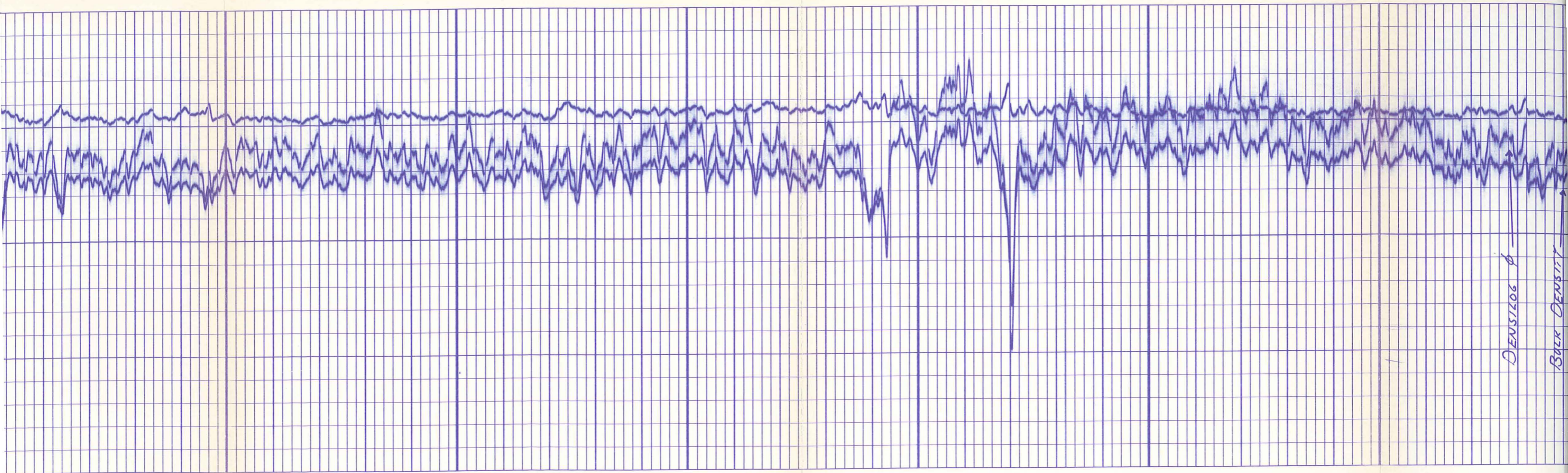
4600

4700

4800

4





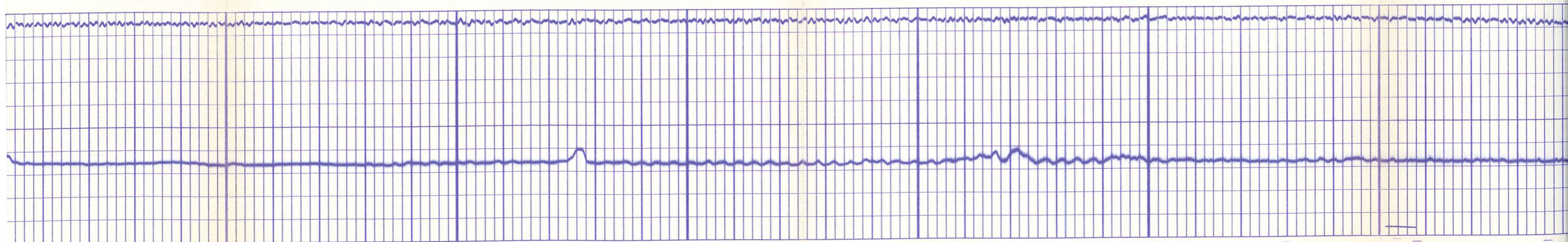
DENSITY LOG  $\rho$

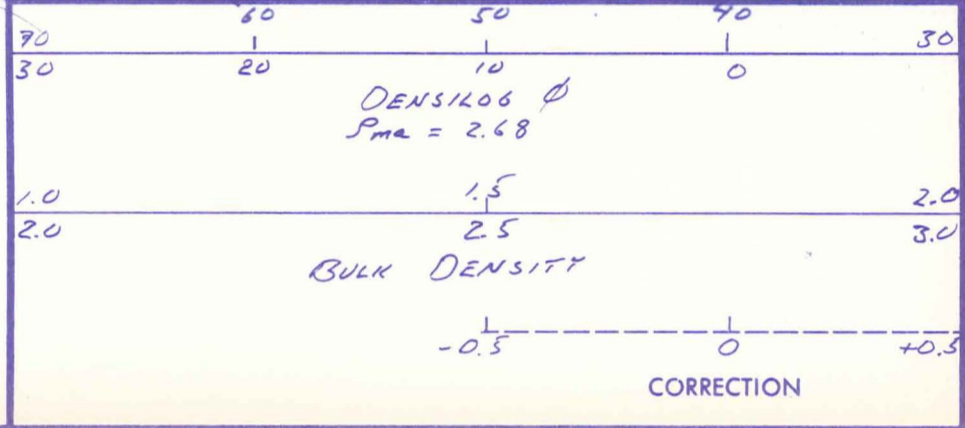
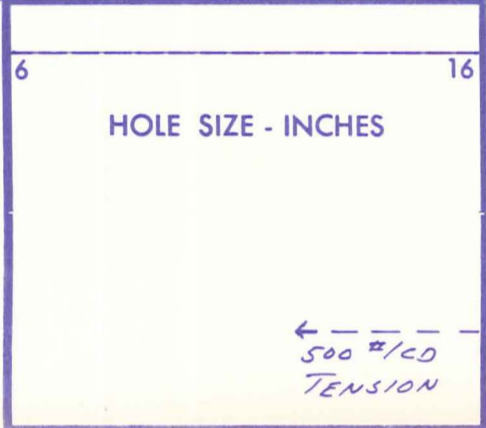
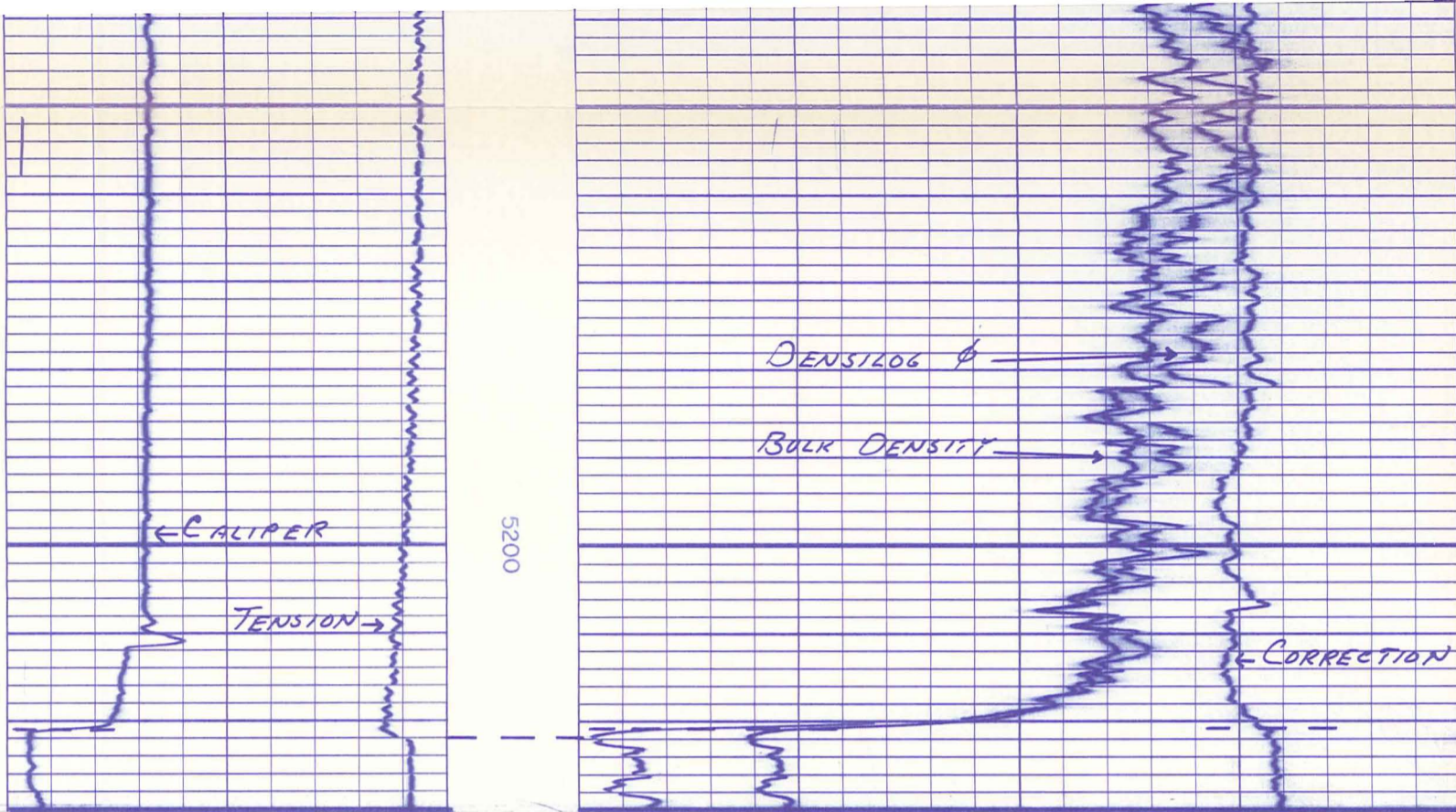
BULK DENSITY

4900

5000

5100

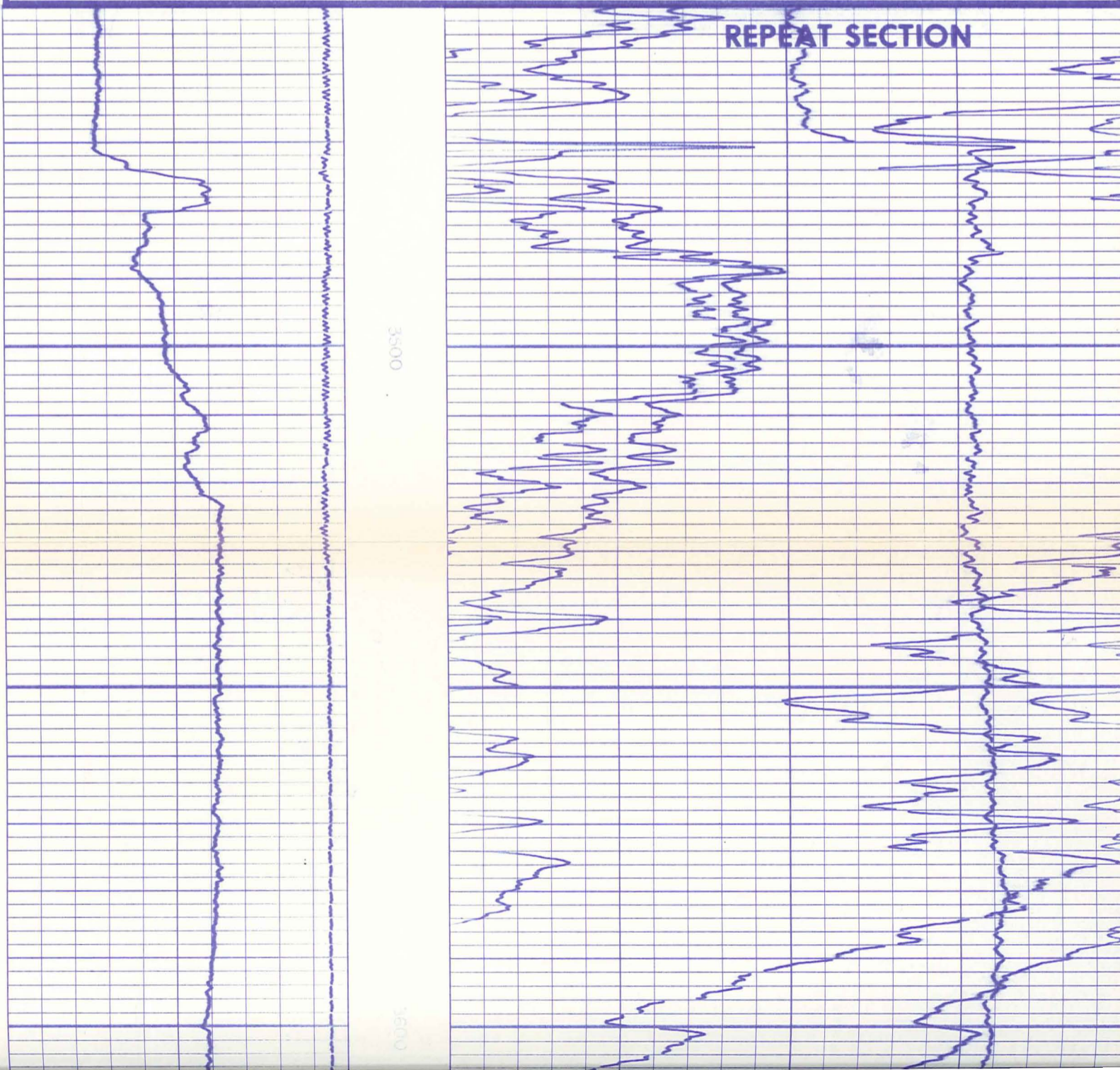




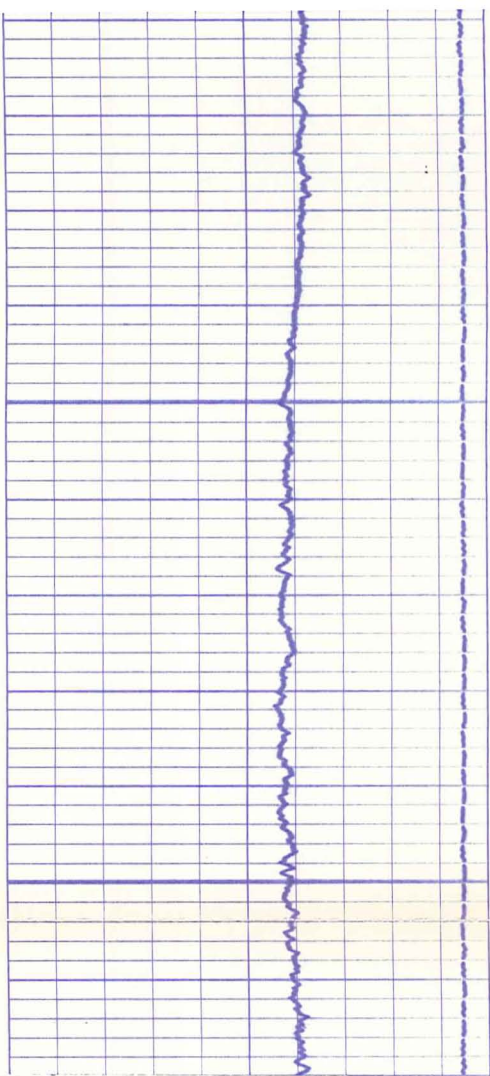
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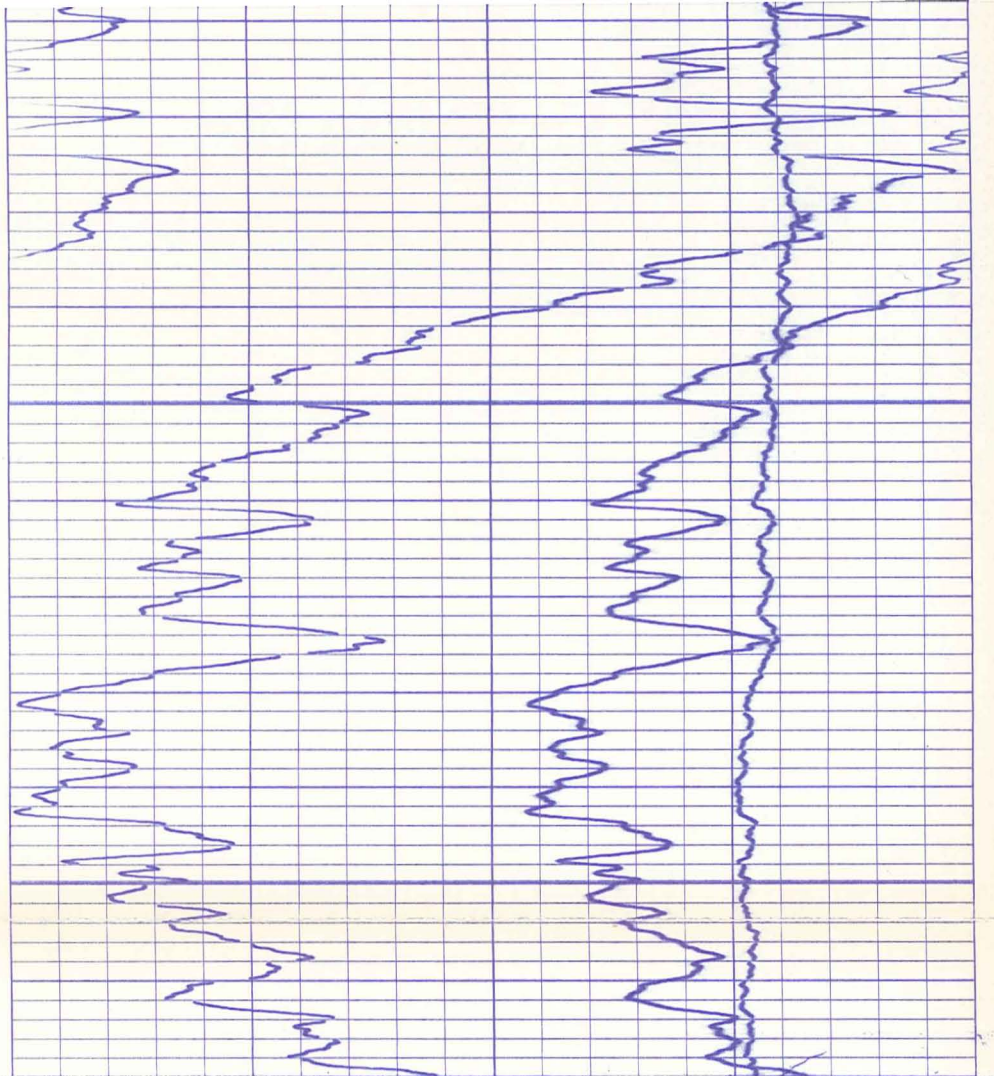
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FORM 925199 A



INCHES

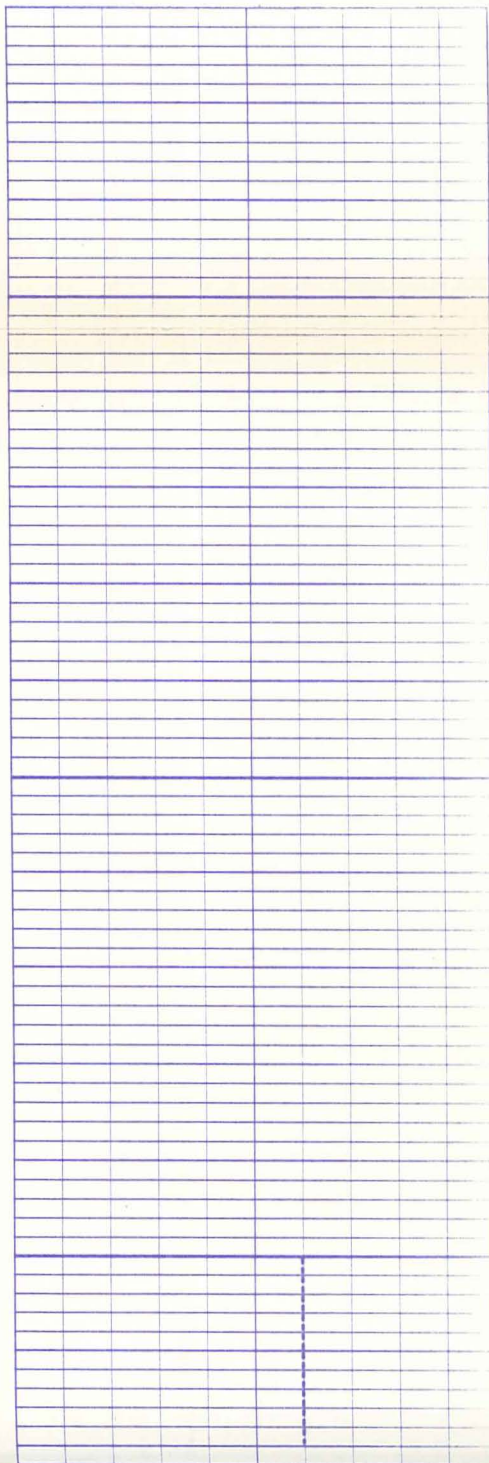


### CALIBRATION

#### COMPENSATED DENSIOLOG

1. MECHANICAL ZERO
2. PANEL—LOW
3. PANEL—HIGH
4. CALIPER—LOW
5. CALIPER—HIGH
6. DENSITY—LOW
7. DENSITY—HIGH
8. DENSITY—CORRECTION

925276 CDL



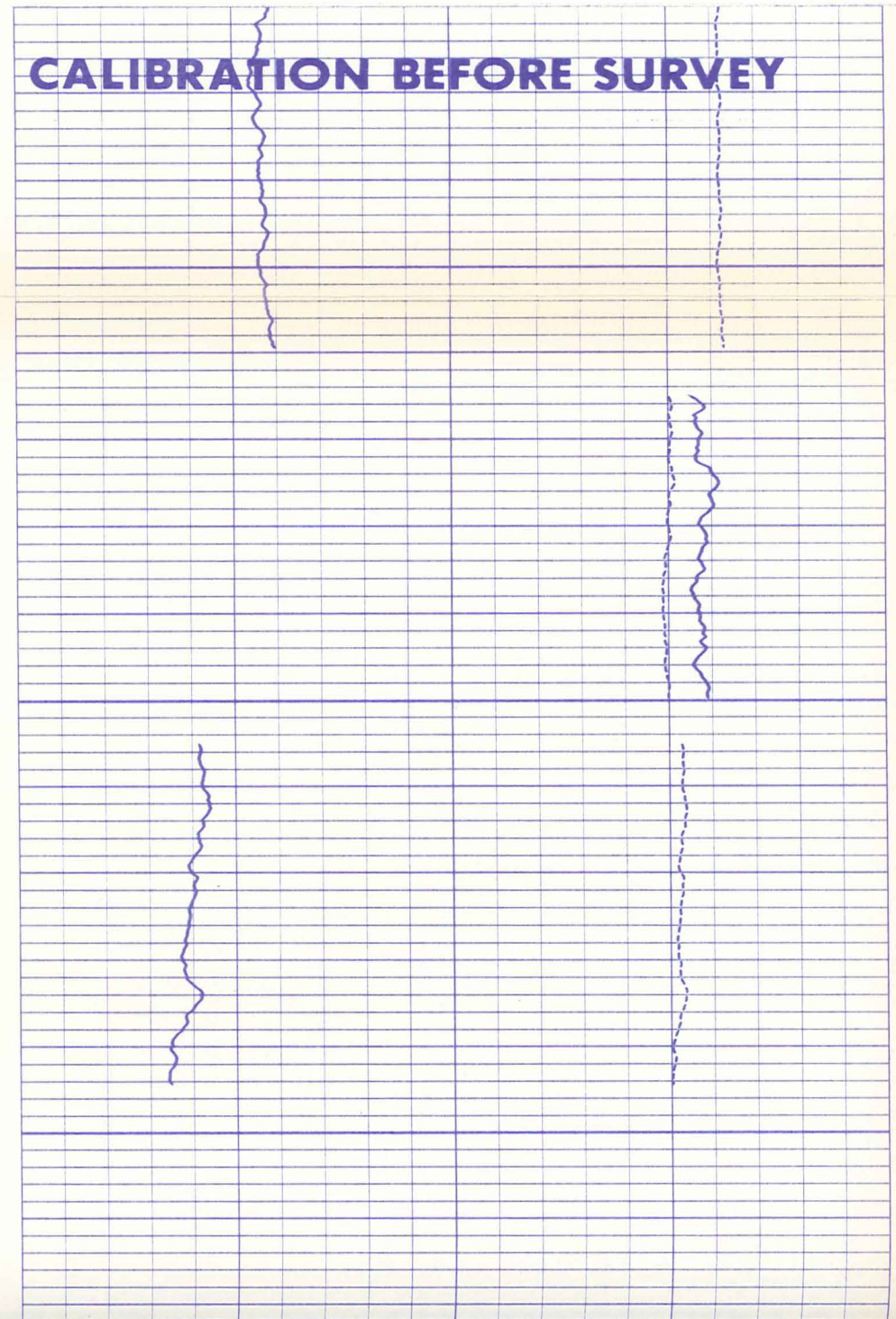
8

7

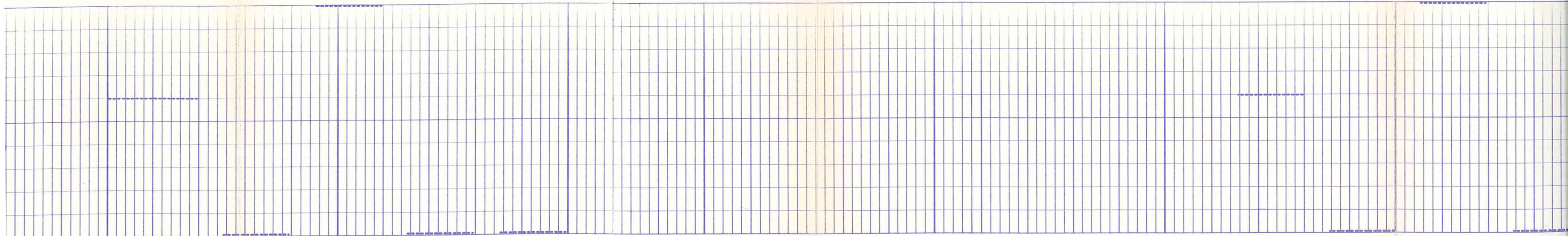
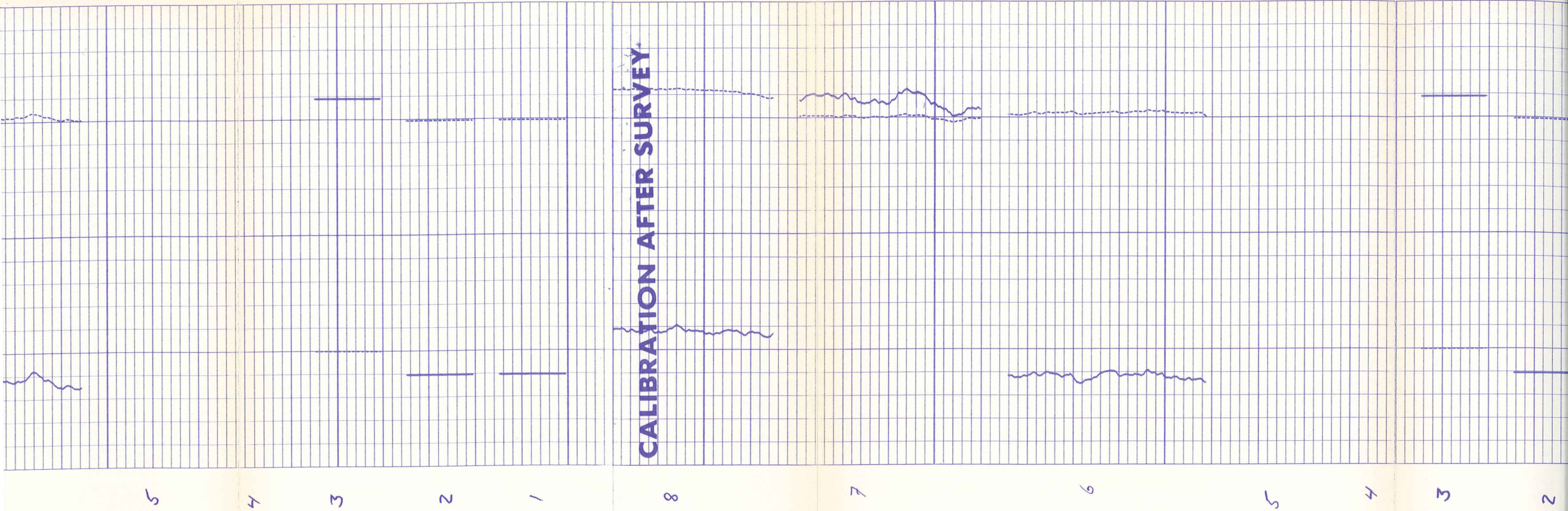
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5

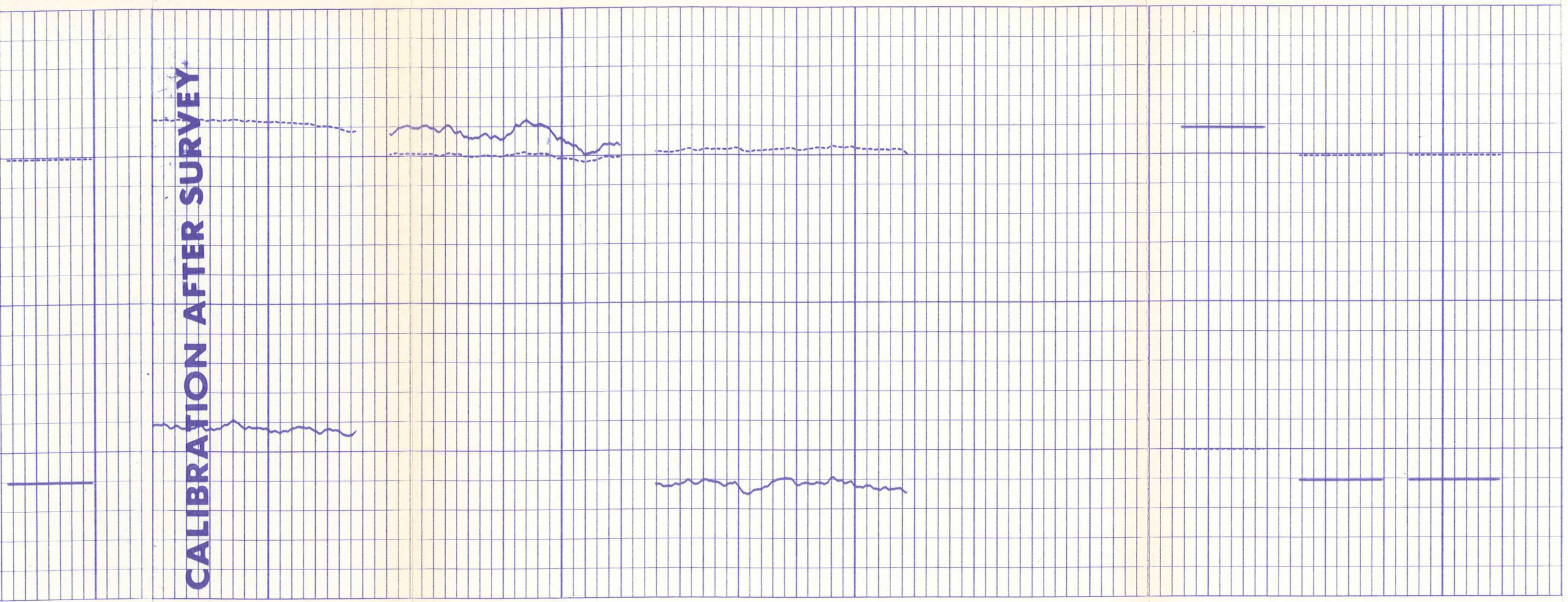
### CALIBRATION BEFORE SURVEY



**CALIBRATION AFTER SURVEY**



**CALIBRATION AFTER SURVEY**



1

8

7

6

5

4

3

2

1