



Compensated Neutron

FILE NO. **GL02619**

COMPANY **E. G. 9 G. IDAHO INC.**

WELL **RRGP - 4A**

FIELD **RAFT RIVER GEOTHERMAL**

COUNTY **CASSIA** STATE **IDAHO**

LOCATION: SEC **23** TWP **15 S** RGE **26 E**

Other Services
 OIFL/SP
 COIL
 BNC/CAL
 DIFF. TEMP.
 4 ARM CAL.
 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.	TWO		
Type Log	CNLOG		
Depth-Driller	5212		
Depth-Logger	5224		
Bottom Logged Interval	5220		
Top Logged Interval	3474		
Type Fluid in Hole	WATER		
Salinity Ppm Cl.	-		
Density Lb./Gal.	-		
Level	FULL		
Max. Rec. Temp. Deg. F	266 °F		
Opr. Rig Time			
Equip. No. and Location	6159 RSUT.		
Recorded By	PERESSINI		
Witnessed By			

Run No.	Bore Hole Record			Casing Record			
	Bit	From	To	Size	Wgt.	From	To
2	8 3/4"	3457	T.D.	9 5/8"	-	1512	3457
				13 3/8"	-	SURFACE	1512

FOLD HERE ↓

Run No.	Tool Model No.	Diam.	Detect. Model No.	Type	Length	Dist. to N. Source	Equipment Used	
							Series No.	Panel No.
							2413	1306
							TWO	TWO
							87825	87825
							29364	24543
							29364	24543
							37004	34481

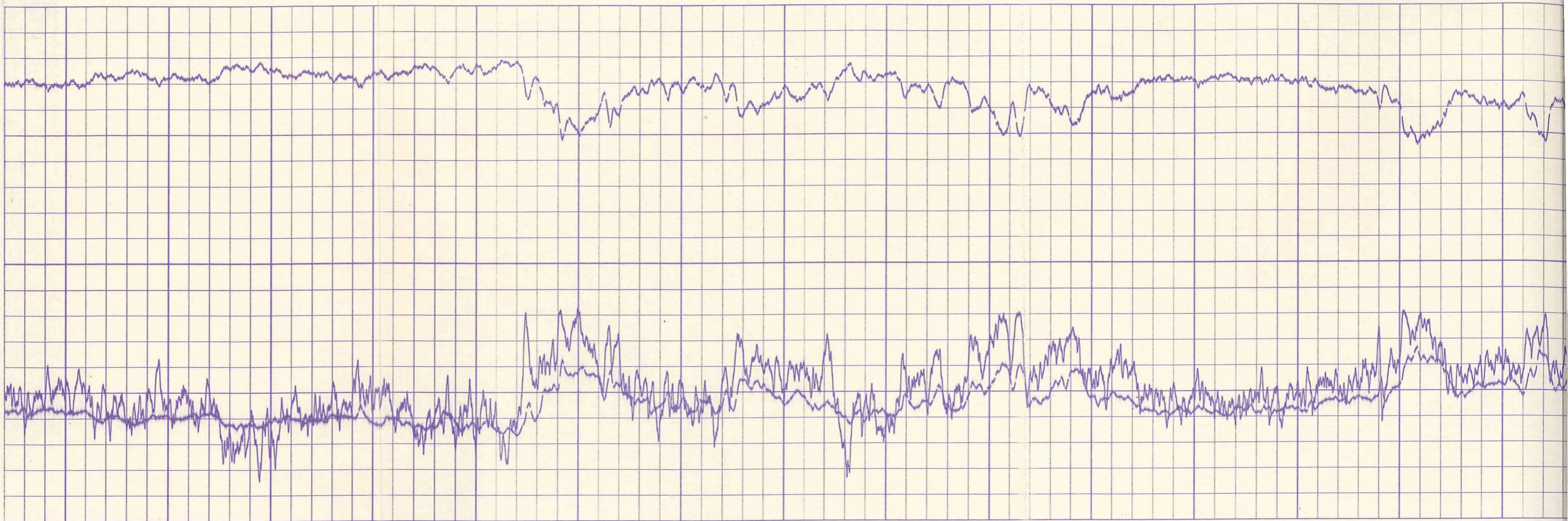
Run No.	Tool Model No.	Diam.	Detect. Model No.	Type	Length	Dist. to N. Source	Equipment Data	
							Run No.	Log Type
							TWO	CNLOG
							2413	29364
							3 5/8"	06N3
							06N3	06N3
							S17520	30431
							AM-Bo	

Run No.	Speed Ft./Min.	General		Compensated Neutron		Gamma Ray	
		From	To	T.C.	Sens.	Zero	API G.R. Units/Div.
2	30			SS	LS	Zero <td>15</td>	15
				SS	LS	Div. L or R	
				SS	LS	Sens. Settings	
				SS	LS	T.C. Sec.	
				SS	LS	Scale	
				SS	LS	Porosity Units/Div	
				SS	LS	Zero	
				SS	LS	Div. L or R	
				SS	LS	Sens. Settings	
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				SS	LS	Div. L or R	
				SS	LS	Sens. Settings	
				SS	LS	T.C. Sec.	
				SS	LS	Scale	
				SS			

SHORT SPACE

SANDSTONE ρ
COMPENSATED NEUTRON POROSITY

30 40 50 60 70
30 40 50 60 70



3300

3400

3500

3600

3700

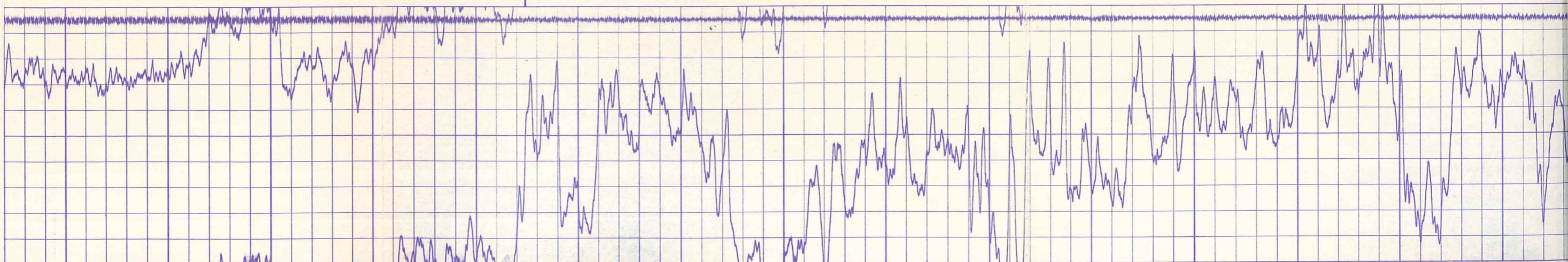
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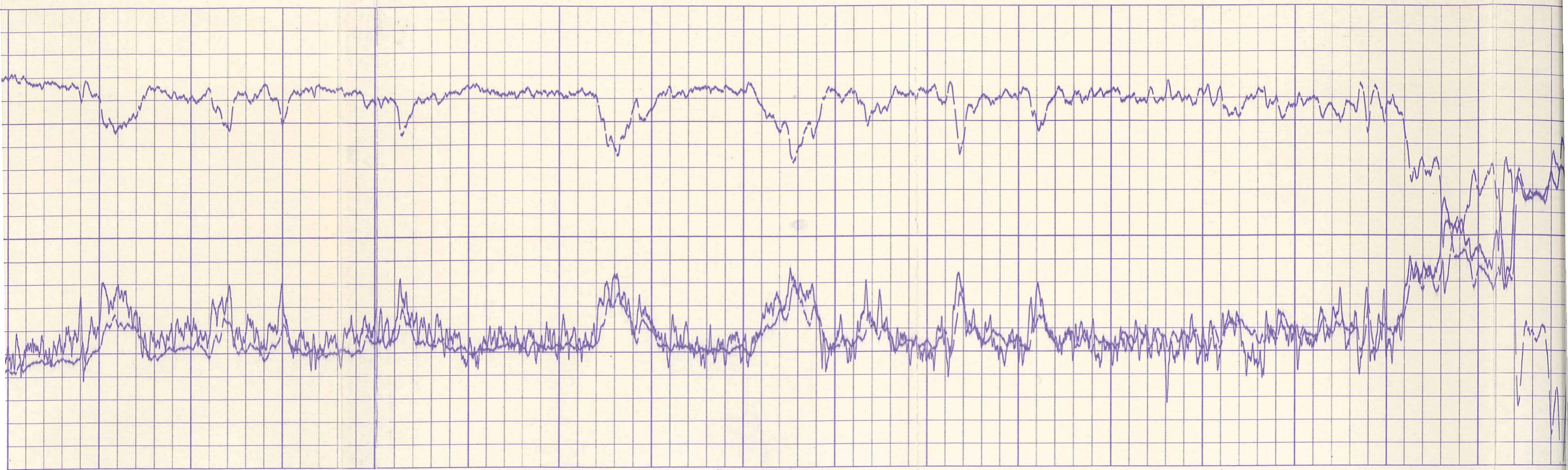
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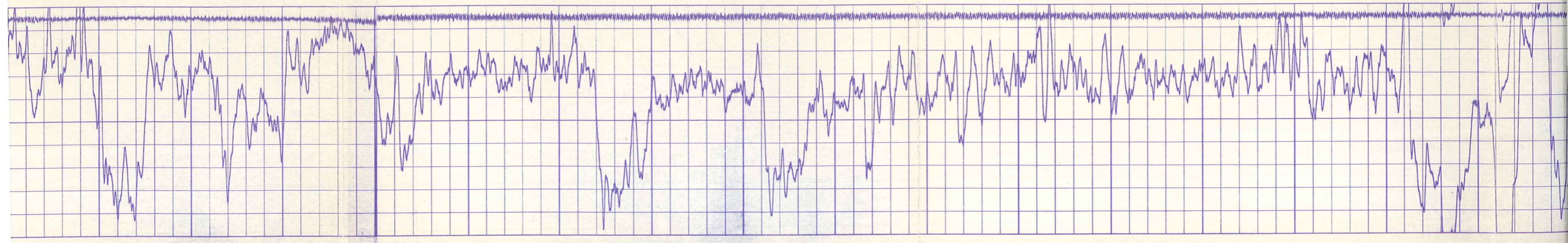
TENSION
500 ψ /in

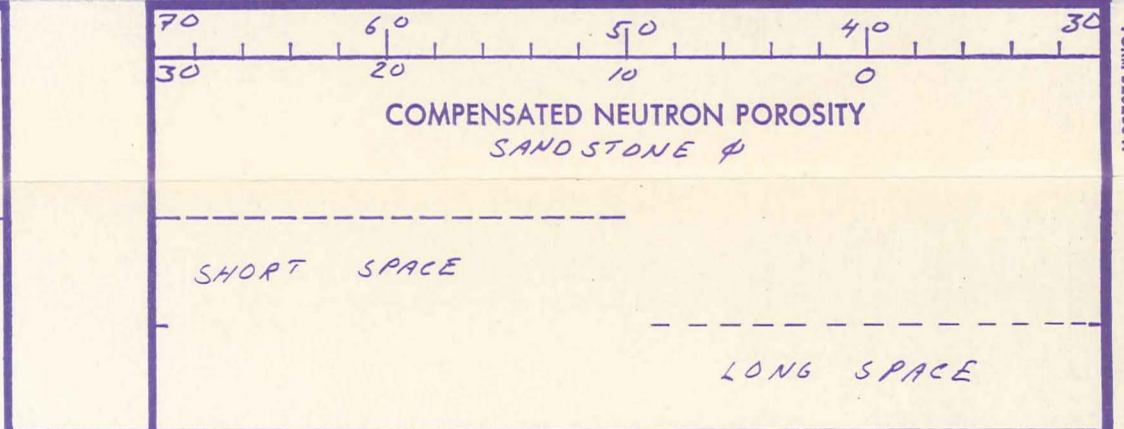
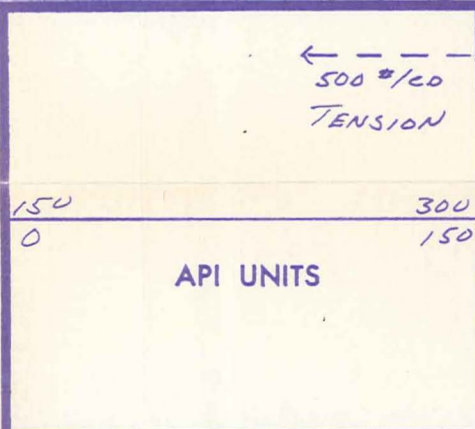
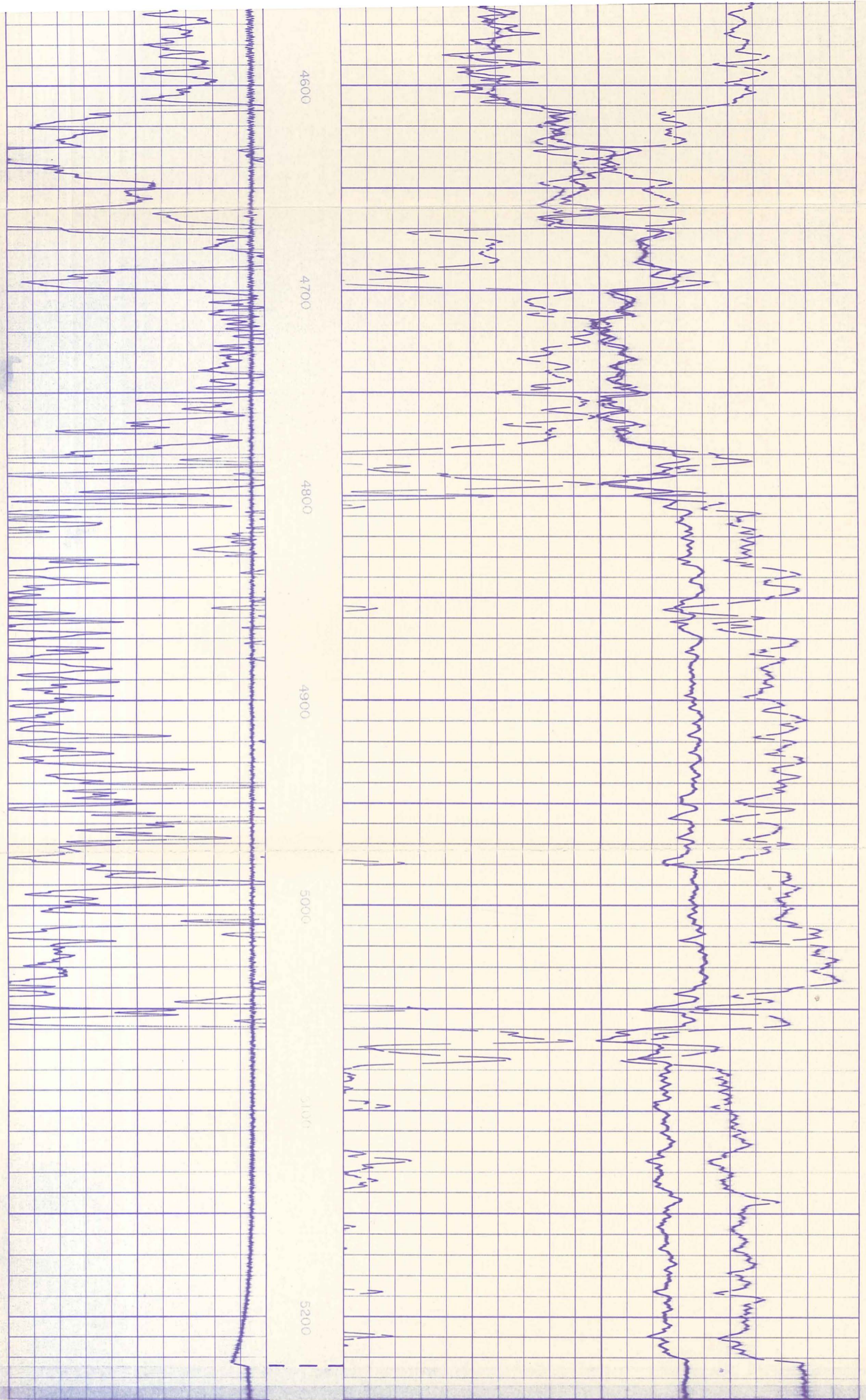
150 300
0 150





3900 4000 4100 4200 4300 4400 4500 4600 4700





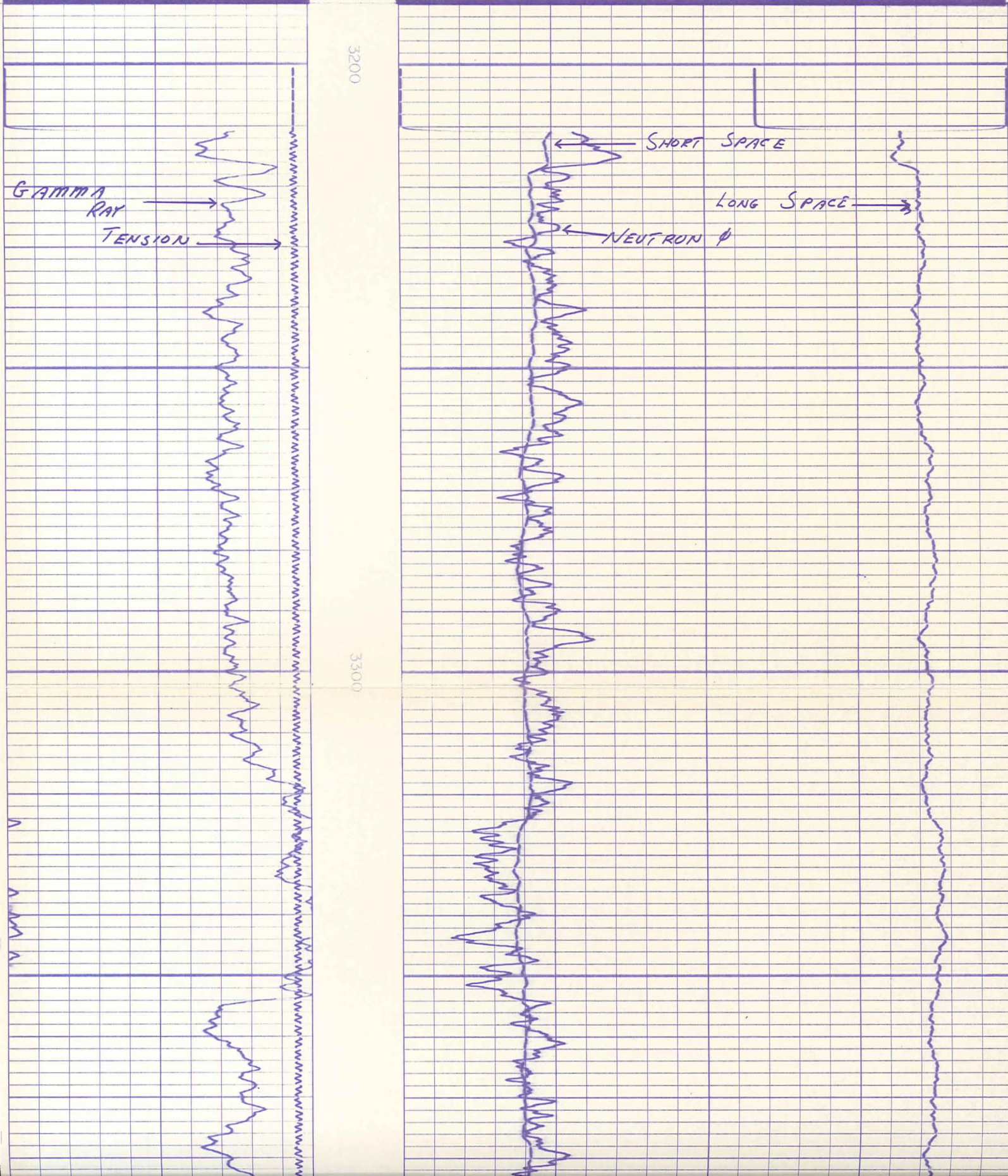
GAMMA RAY

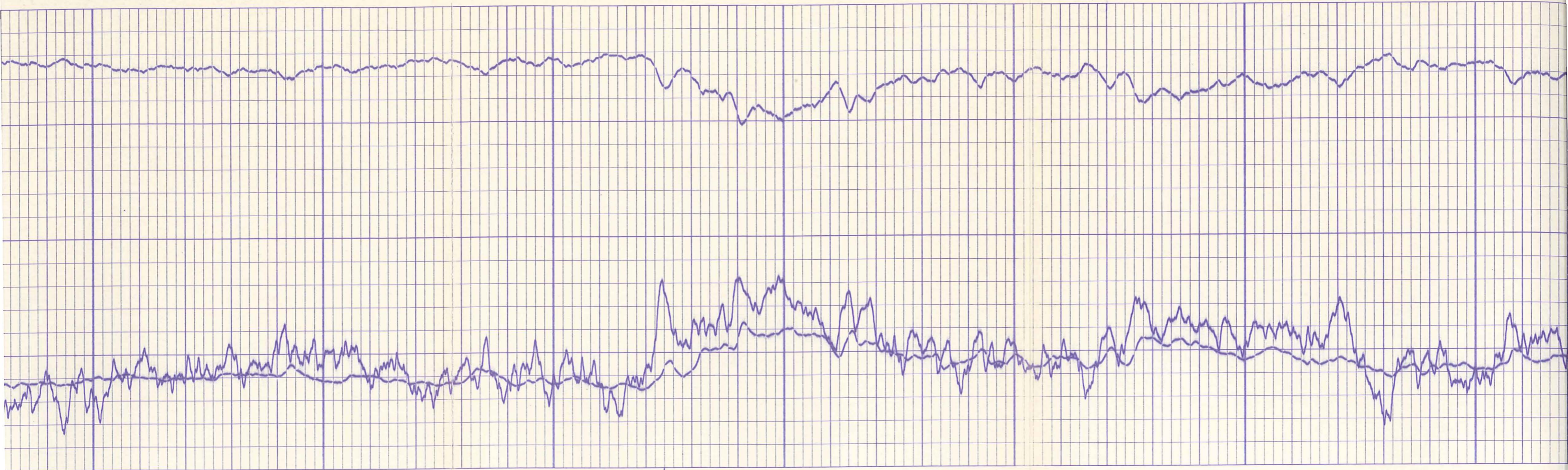
DEPTH

POROSITY %

TENSION		COMPENSATED NEUTRON POROSITY SANDSTONE ϕ	
150	300	SHORT SPACE	
0	150	LONG SPACE	
API UNITS			
GAMMA RAY		DEPTH	POROSITY %
Company E.G. & G. IDAHO INC.		Drillers T.D. 5212	
Well RRGP-4A		Log F.R. 5220	
Field RAFT RIVER GEOTHERMAL		Log T.D. 5224	
County CASSIA		Elevations:	
State IDAHO		K.B. 4856 D.F. 4855 G.L. 4840	

GAMMA RAY		DEPTH	POROSITY %	
API UNITS			LONG SPACE	
0	150		SHORT SPACE	
150	300			
TENSION 500 μ /CD			SANDSTONE ϕ COMPENSATED NEUTRON POROSITY	
			30	20
			70	60
			50	40
			0	30

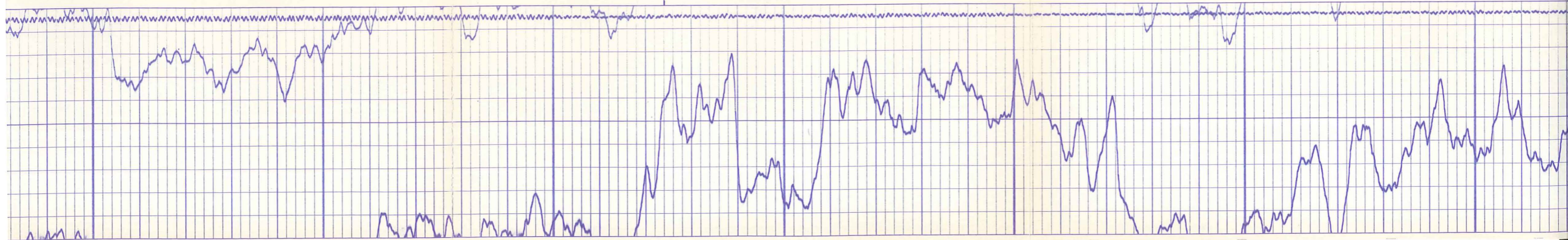


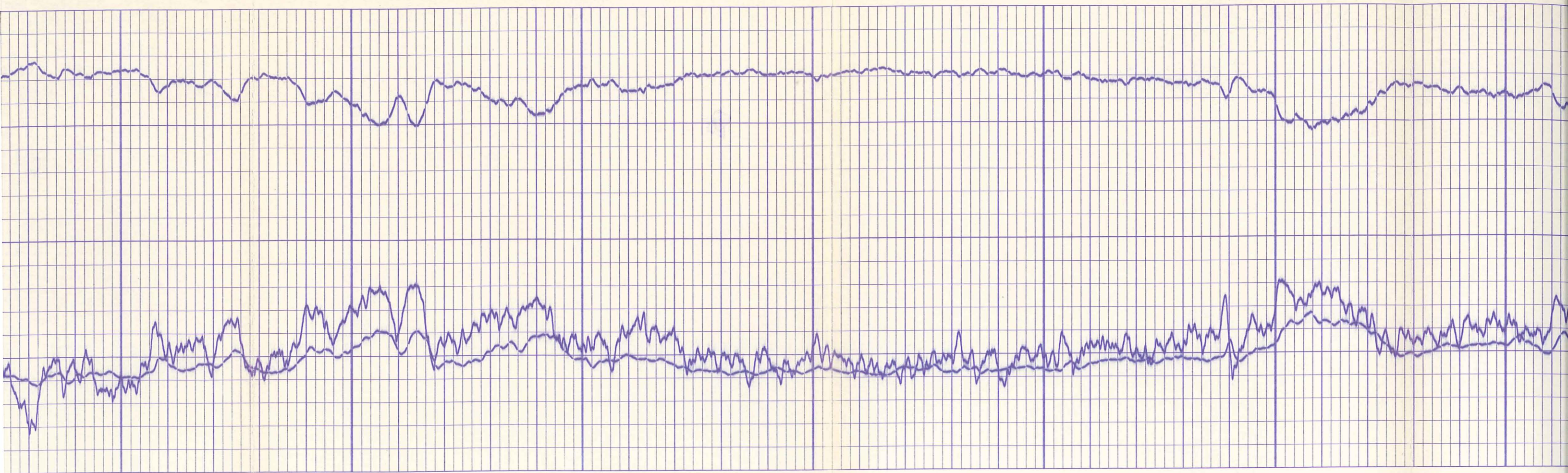


3400

3500

3600

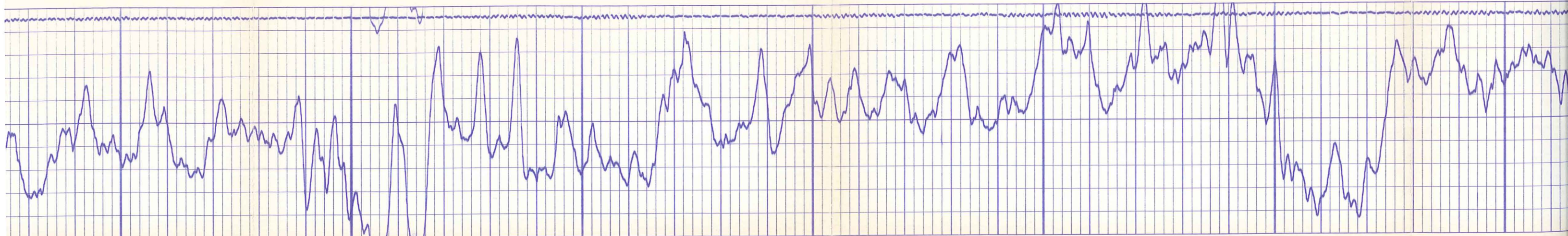


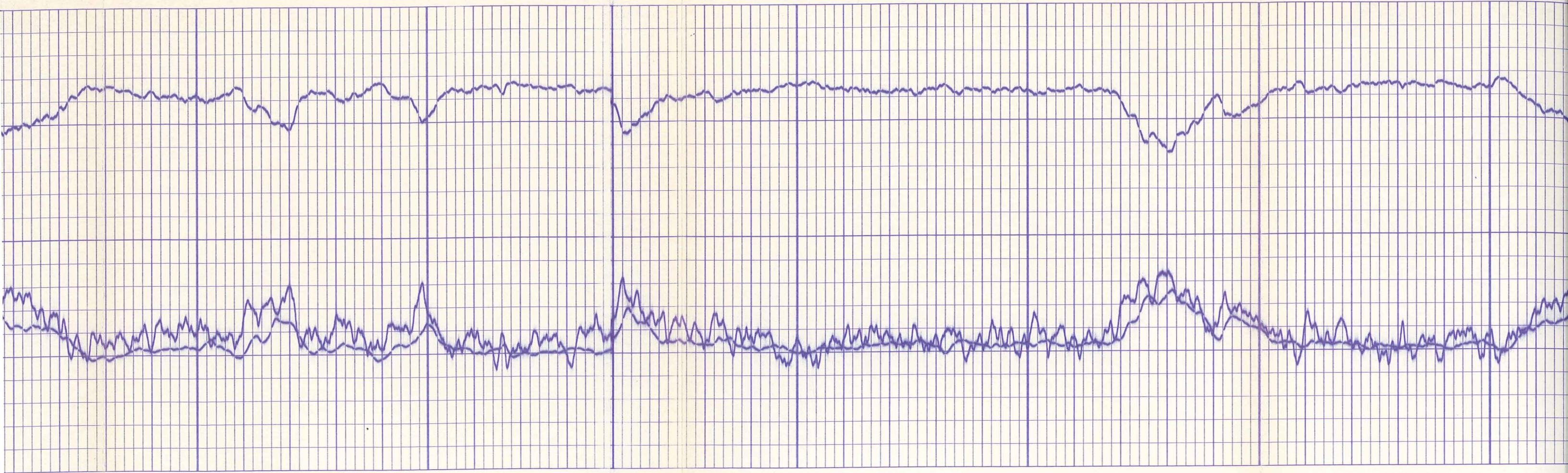


3700

3800

3900

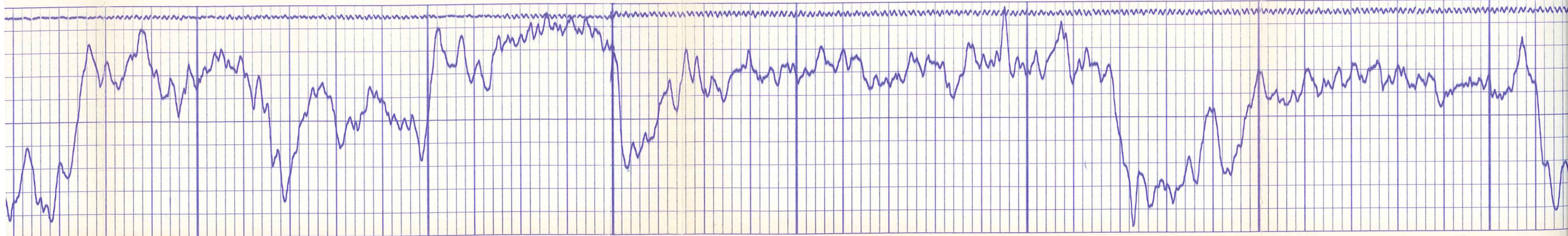


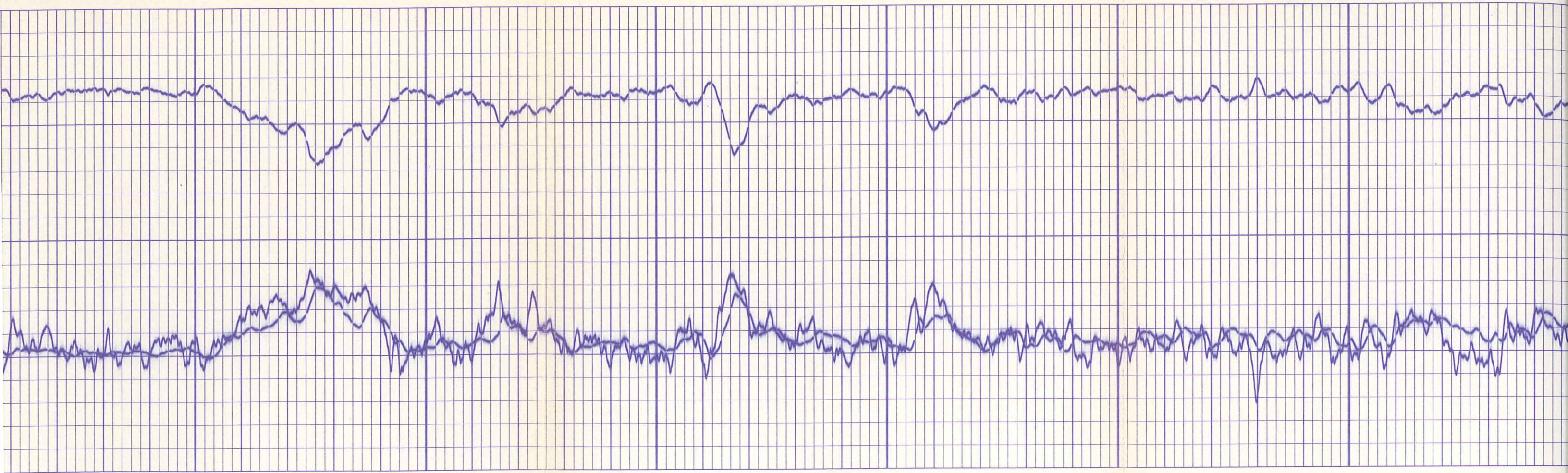


4000

4100

4200

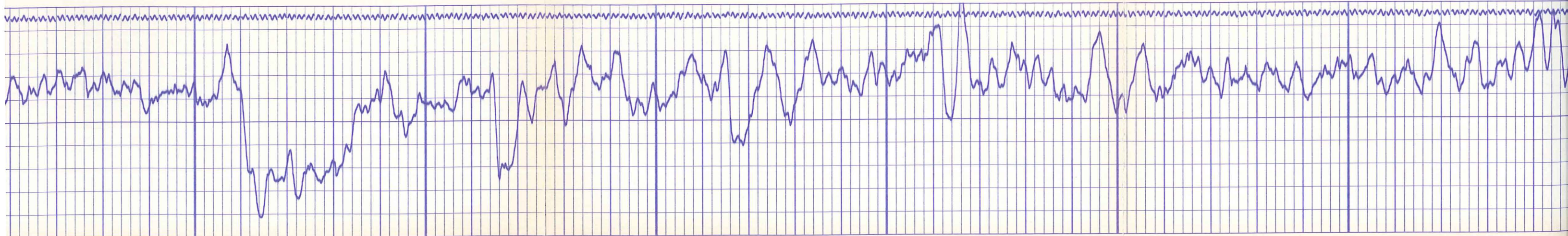


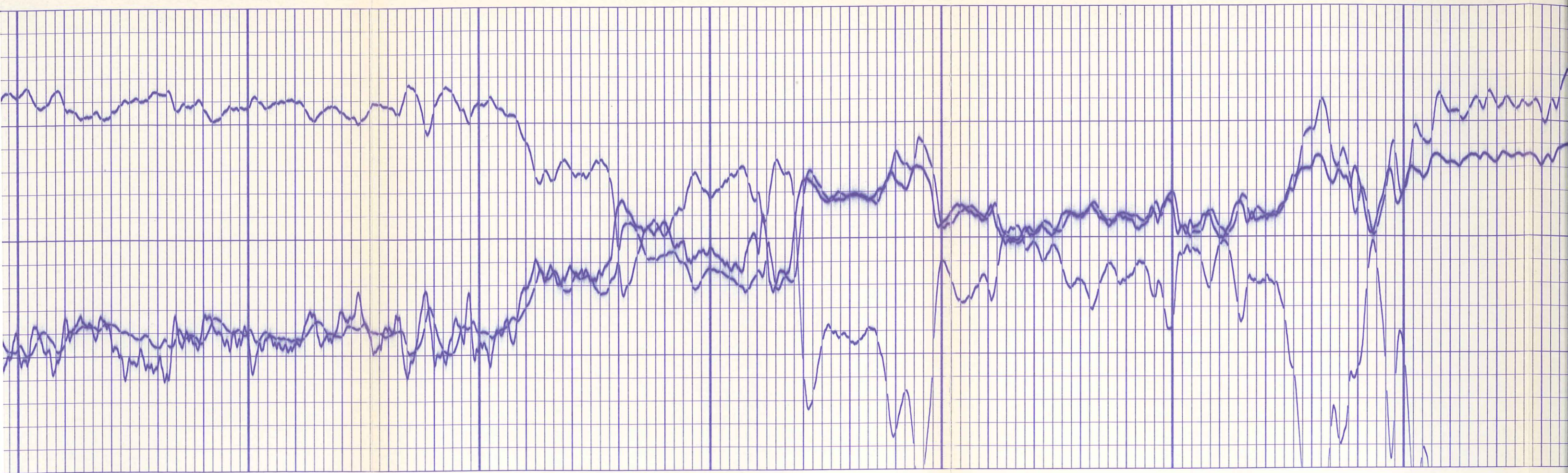


4300

4400

4500



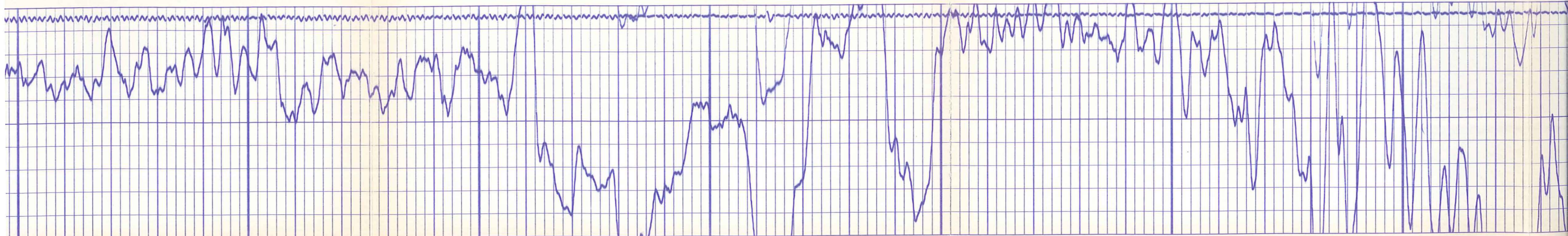


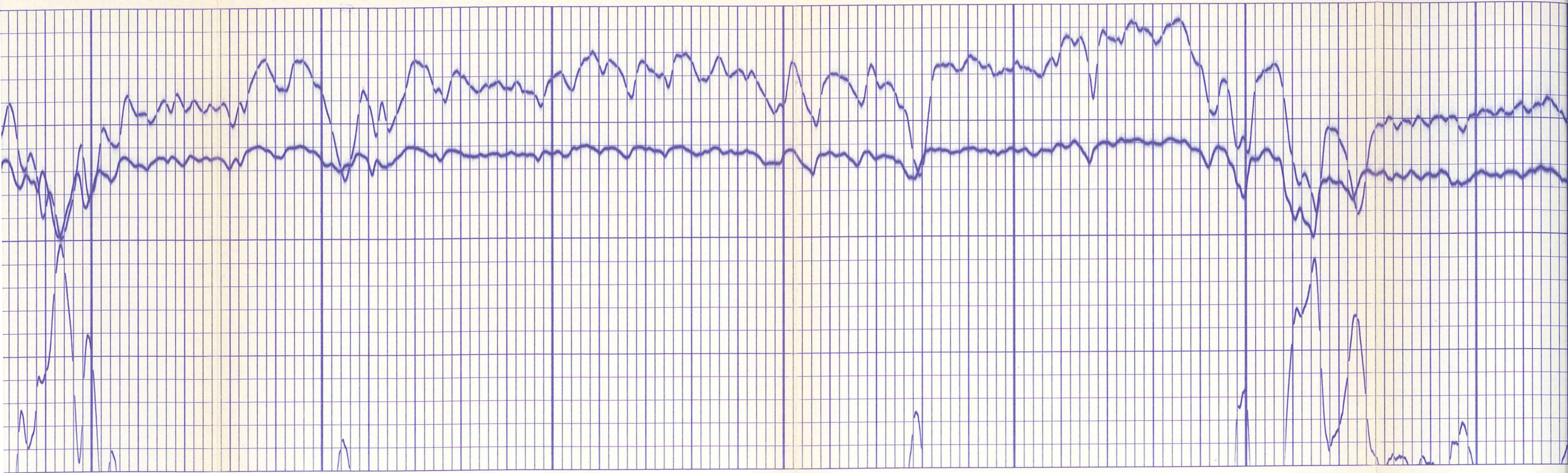
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4600

4700

4800



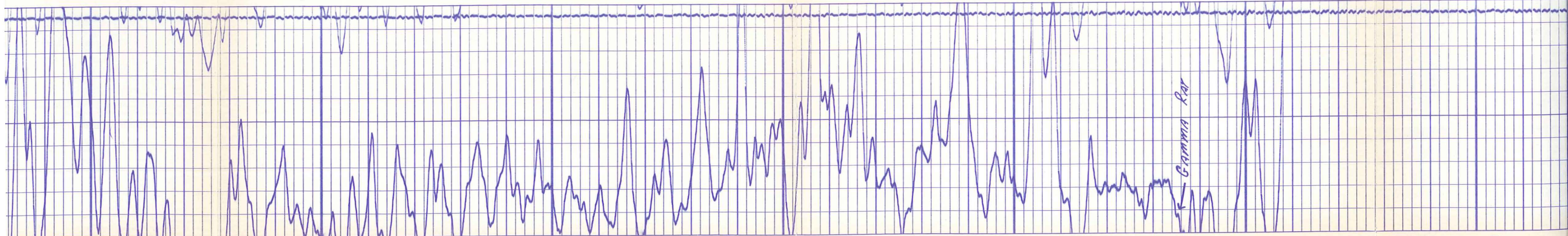


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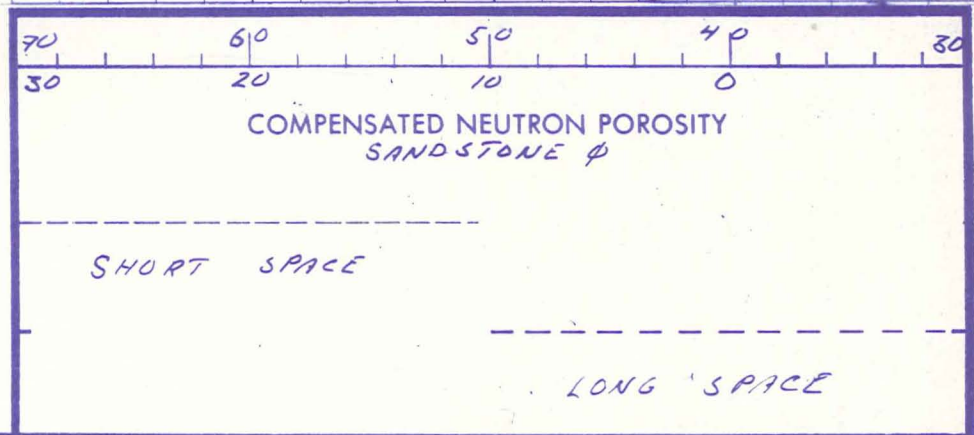
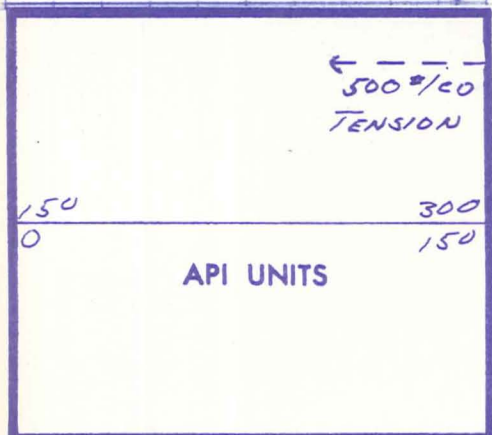
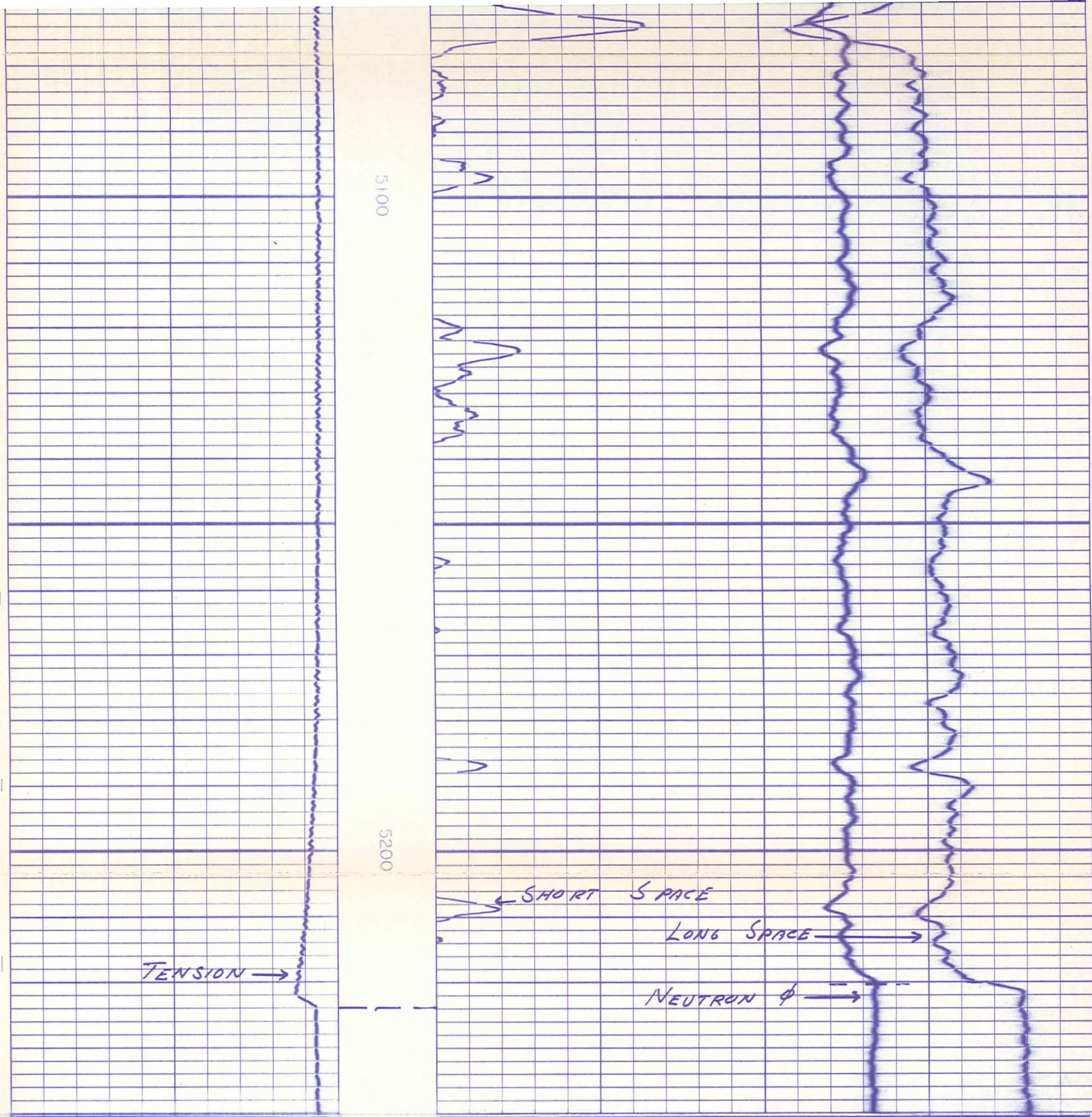
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5000

5100



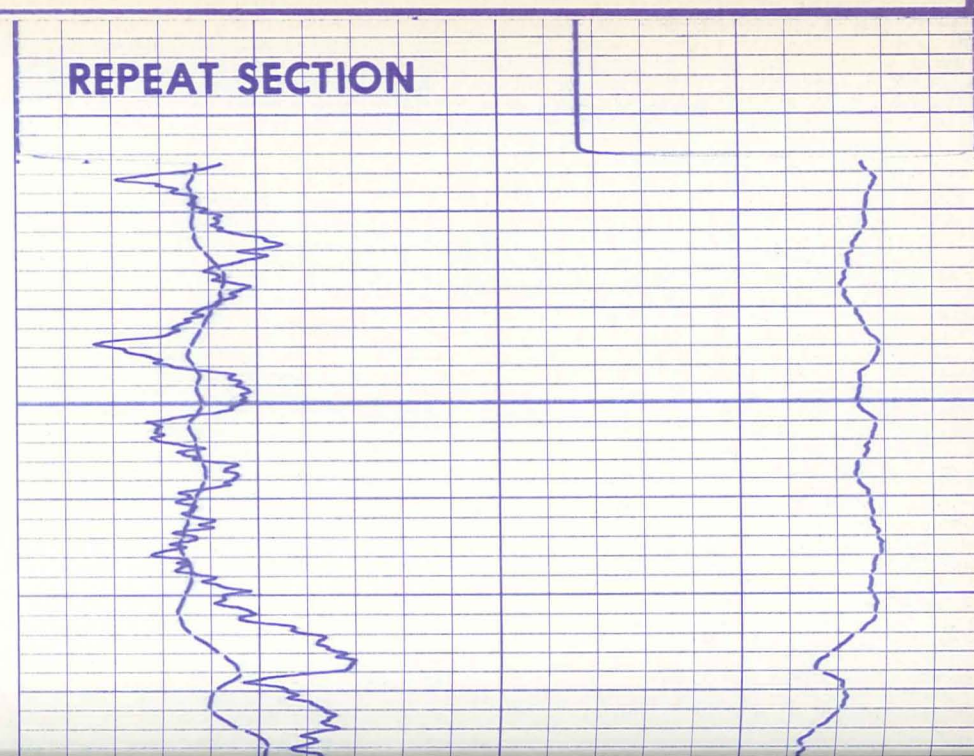
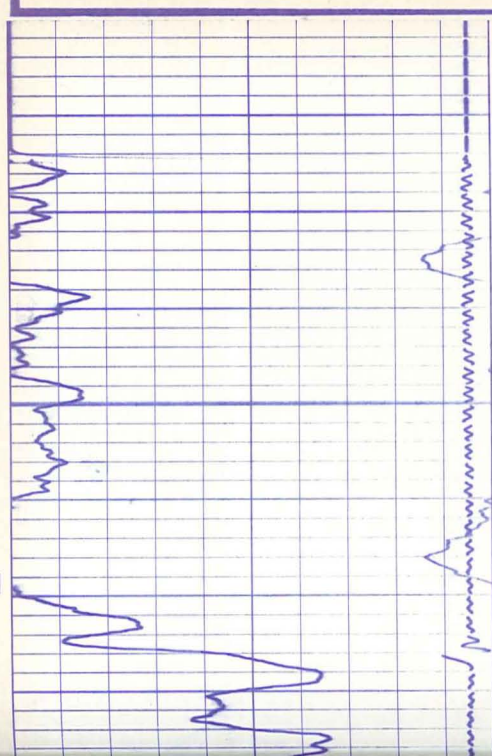
Gamma Ray

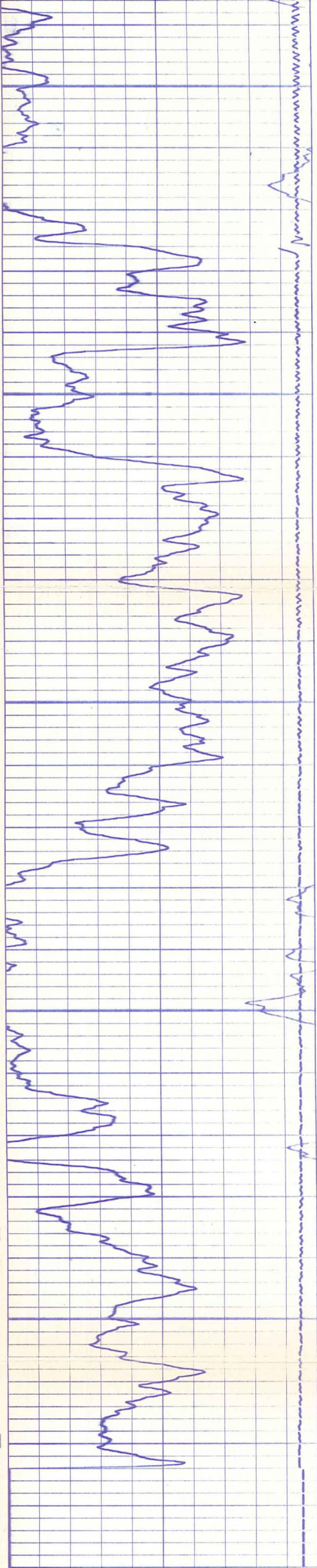


GAMMA RAY	DEPTH	POROSITY %
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Company *E.G. & G. IDAHO INC.*
 Well *RRGP-4A*
 Field *RAFT RIVER GEOTHERMAL*
 County *CASSIA*
 State *IDAHO*

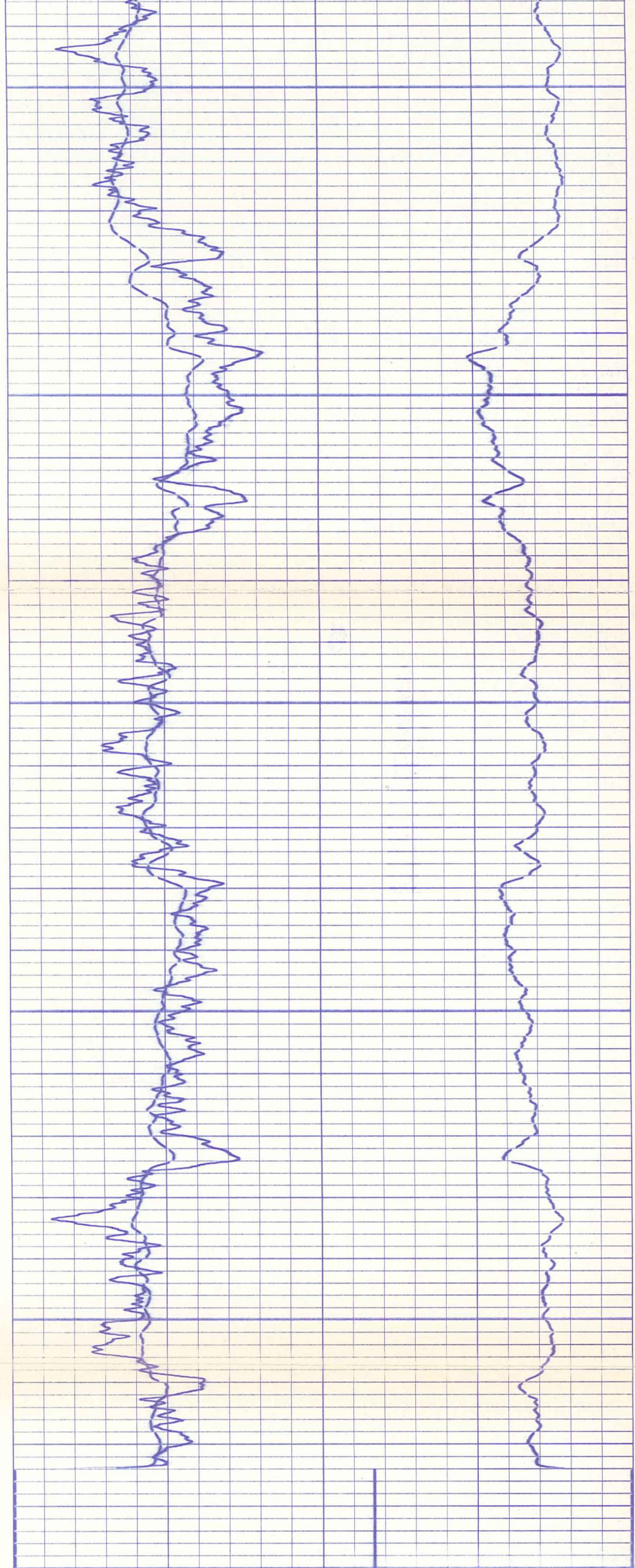
Drillers *T.D. 5212*
 Log *F.R. 5220*
 Log *T.D. 5224*
 Elevations:
K.B. 4856 D.F. 4855 G.L. 4840





0000

3600



CALIBRATION

COMPENSATED NEUTRON

1. MECHANICAL ZERO
2. PANEL—LOW
3. PANEL—HIGH
4. COUNT RATE METER
5. COMPUTER CHECK
6. COMPENSATED NEUTRON

925273 CN LOG

CALIBRATION

GAMMA RAY

925275 G

- 2. PANEL—LOW
- 3. PANEL—HIGH
- 4. COUNT RATE METER
- 5. COMPUTER CHECK
- 6. COMPENSATED NEUTRON

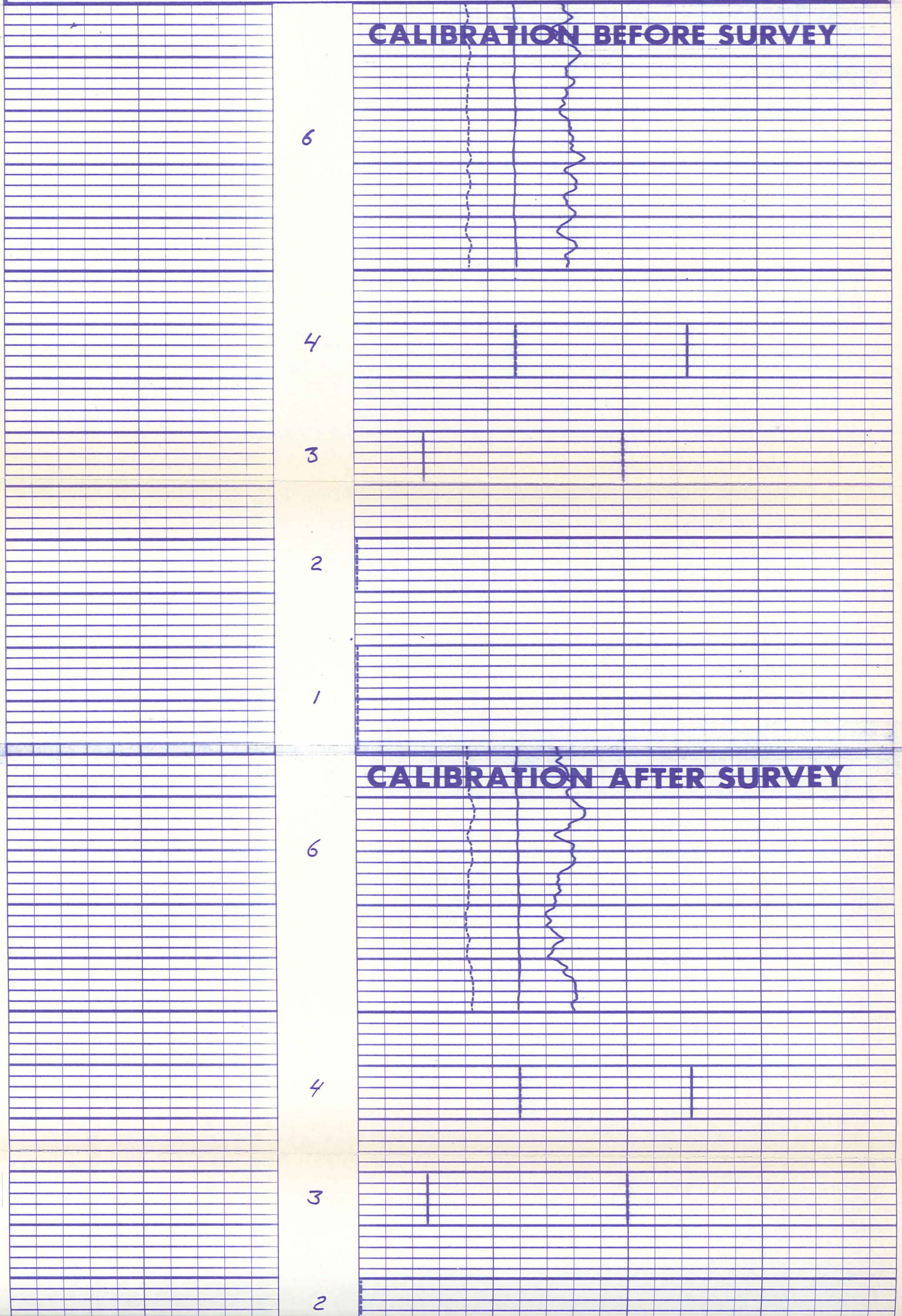
CALIBRATION

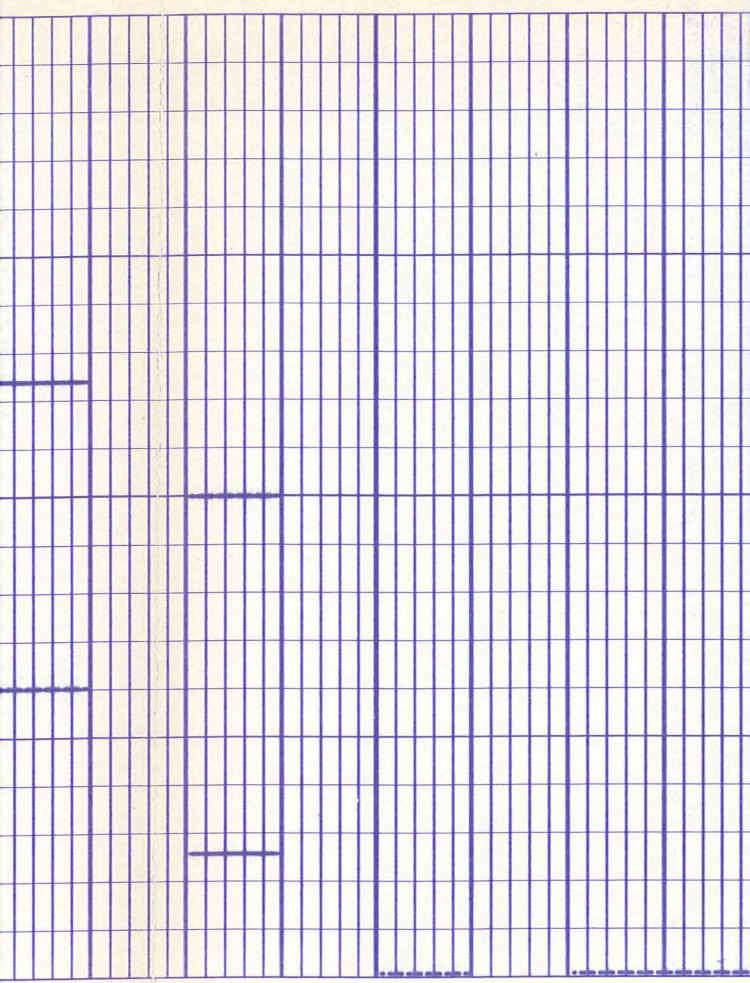
GAMMA RAY

- 1. MECHANICAL ZERO
- 2. PANEL—LOW
- 3. PANEL—HIGH
- 4. COUNT RATE METER
- 5. BACKGROUND READING
- 6. GAMMA RAY—HIGH

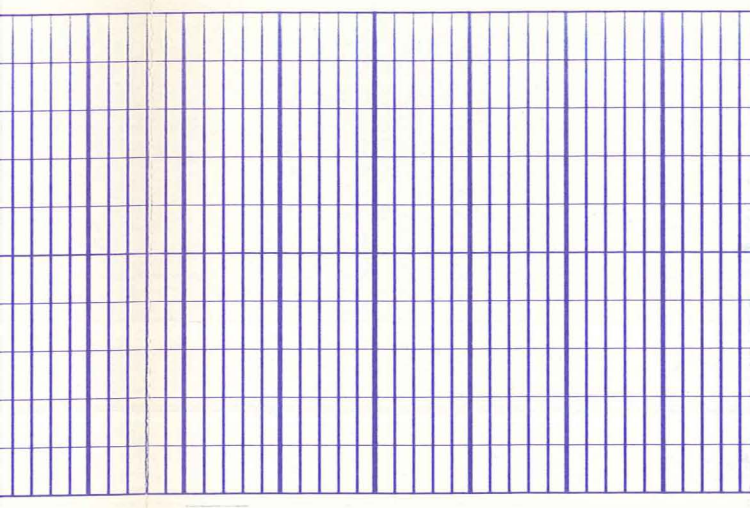
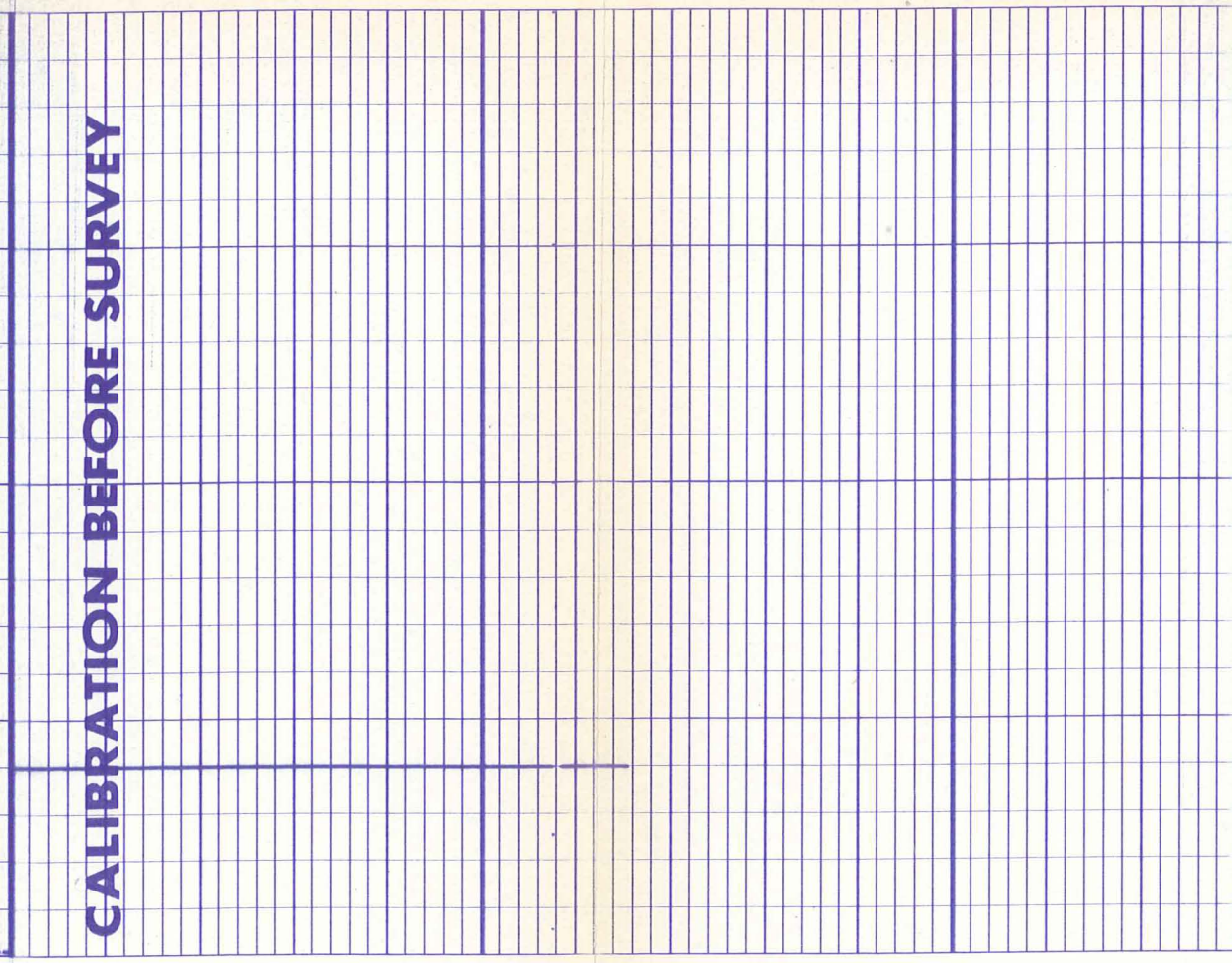
API UNITS OF CALIB. STD.	185
SENSITIVITY READING	200
MULTIPLIER	x 1
ZERO SUPPRESSION	0
TIME CONSTANT	2
MEASURED CHART DIVISIONS	3.75

928275 GR





CALIBRATION BEFORE SURVEY



CALIBRATION AFTER SURVEY

