

GL02651

Schlumberger

SIMULTANEOUS
COMPENSATED NEUTRON-
FORMATION DENSITY

COUNTY _____
FIELD _____
LOCATION _____
WELL _____
COMPANY _____

COMPANY E G & G IDAHO, INC.
WELL RRGP # 4B
FIELD RAFT RIVER
COUNTY CASSIA STATE IDAHO

API SERIAL NO. 23 SEC. 155 TWP. 26E RANGE

Other Services:
HRT _____
DIL _____
FDC-GNL _____
BHC _____
HDT _____

Permanent Datum: GL ; Elev.: 4840
Log Measured From KB ; 16 Ft. Above Perm. Datum
Drilling Measured From KB ; Elev.: 4856
D.F. 4855
G.L. 4840

Date	11/13/78			
Run No.	ONE			
Depth-Driller	5115			
Depth-Logger	5123			
Btm. Log Interval	5120			
Top Log Interval	3470			
Casing-Driller	95/8 @ 3457			
Casing-Logger	3470			
Bit Size	8.75			
Type Fluid in Hole	FORMATION WATER (FLOWING)			
Dens. Visc.				
pH	7.2	ml	ml	ml
Source of Sample	FLOWLINE			
Rm @ Meas. Temp.	2.38 @ 66 °F			
Rmf @ Meas. Temp.	2.05 @ 42 °F			
Rmc @ Meas. Temp.	@ °F			
Source: Rmf Rmc	M			
Rm @ BHT	62 @ 250 °F			
Circulation Stopped	N/A			
Logger on Bottom	2250			
Max. Rec. Temp.	254 °F			
Equip. Location	8060 LEVSTN			
Recorded By	ROONEY/CHR STENSEN			
Witnessed By Mr.	STEADHAM/NELSON			

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

RUN NO.	ONE	
Service Order No.	10964	
Fluid Level	FULL	
Salinity, PPM CL.	1740	
Speed - F.P.M.	30	
EQUIPMENT DATA		
Dens. Panel	NLM BB-178	
Dens. Cart.	J-89	
Dens. Skid.	M-101	
Dens. Sonde	HB-76	
Dens. Source	J-5292	
Dens. Calibrator	136-17	
Neut. Panel	NLM BB-178	
Neut. Cart.	1278	
Neut. Source	FA-1281	
Neut. Calibrator	AB-1342	
GR Cart.	JAA-684	
Memorizer Panel	CSU	
Tape Recorder (TTR)	CSU	
Depth Encoder (DRE)	CSU	
Pressure Wheel (CPW)	CSU	
Centralizers: Enter Spring, Standoffs, In-line, or None	Type: ECC No. _____ S. O. - Inches _____	
CALIBRATION DATA		
GR	BKG. CPS	57
	Source CPS	207
	Sens. - Cal	165
	T. C. - Cal	N/A
NNG	Short Spacing - Before Log	RATIO CAL
	Long Spacing - Before Log	= 2.21
	Short Spacing - After Log	RATIO CAL
	Long Spacing - After Log	= 2.21
FDC	P1 - Before Log	336
	P2 - Before Log	527
	P1 - After Log	338
	P2 - After Log	525

REMARKS:

2-05-79 010964

LOGGING DATA												
DEPTH		CNP			FDC				GR			
Top	Bottom	Porosity Scale	Matrix	Auto Corr. or Hole Size Setting	Porosity Scale	Grain Density	Liquid Density	Hole Fluid	Sens. Logged	T. C.	Zero. Div. Left	Scale Per 100 Div.
3470	5120	20/TK	S.S.	AUTO	20/TK	2.65	1.0	L10	165		0	150

All interpretations are opinions based on inferences from electrical or other measurements and we cannot, and do not guarantee the accuracy or correctness of any interpretations, and we shall not, except in the case of gross or willful negligence on our part, be liable or responsible for any loss, costs, damages or expenses incurred or sustained by anyone resulting from any interpretation made by any of our officers, agents or employees. These interpretations are also subject to Clause 4 of our General Terms and Conditions as set out in our current Price Schedule.

CALIB (IN)	0.7000	TENS(LB)	10000.	0.0
		NPHIC		0.3000

3470	5120	20/TK	S.S.	AUTO	20/TK	2.65	1.0	L10	165	0	150
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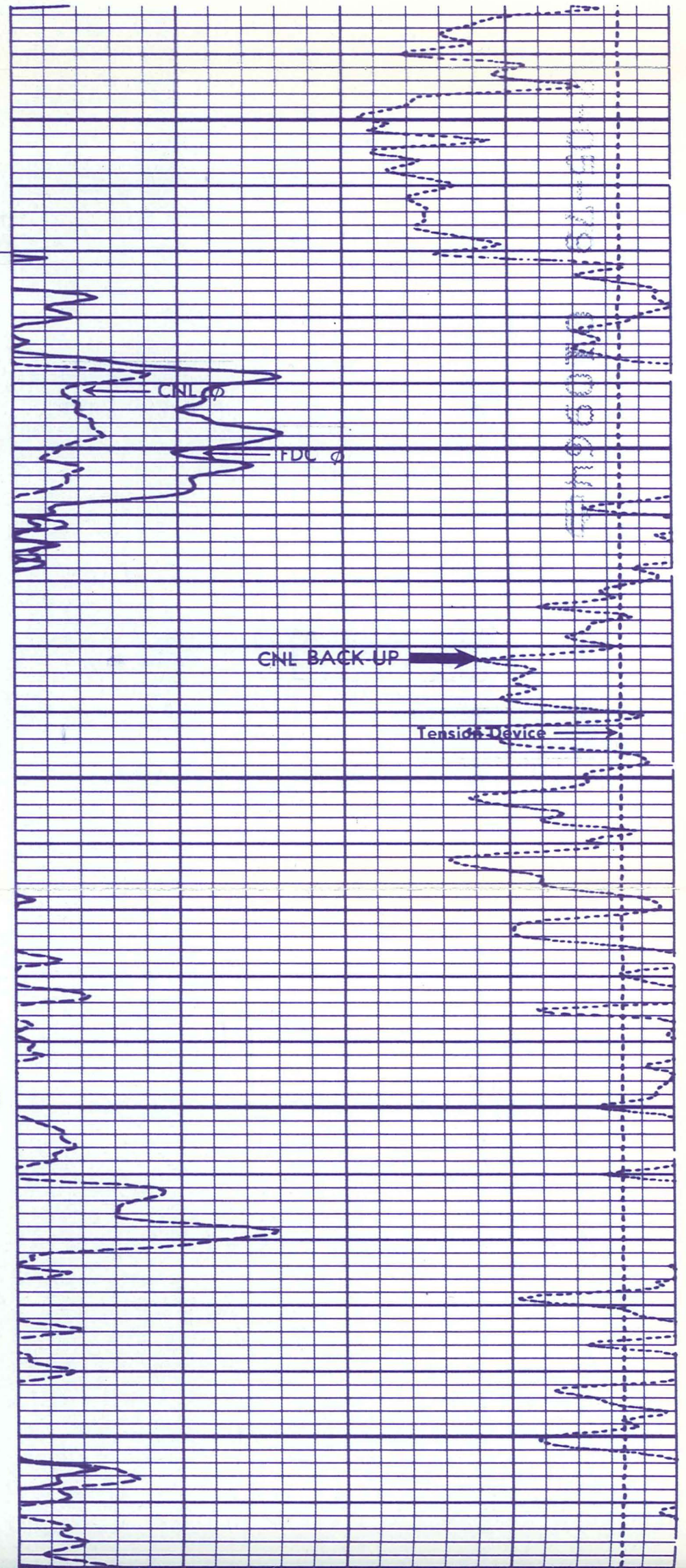
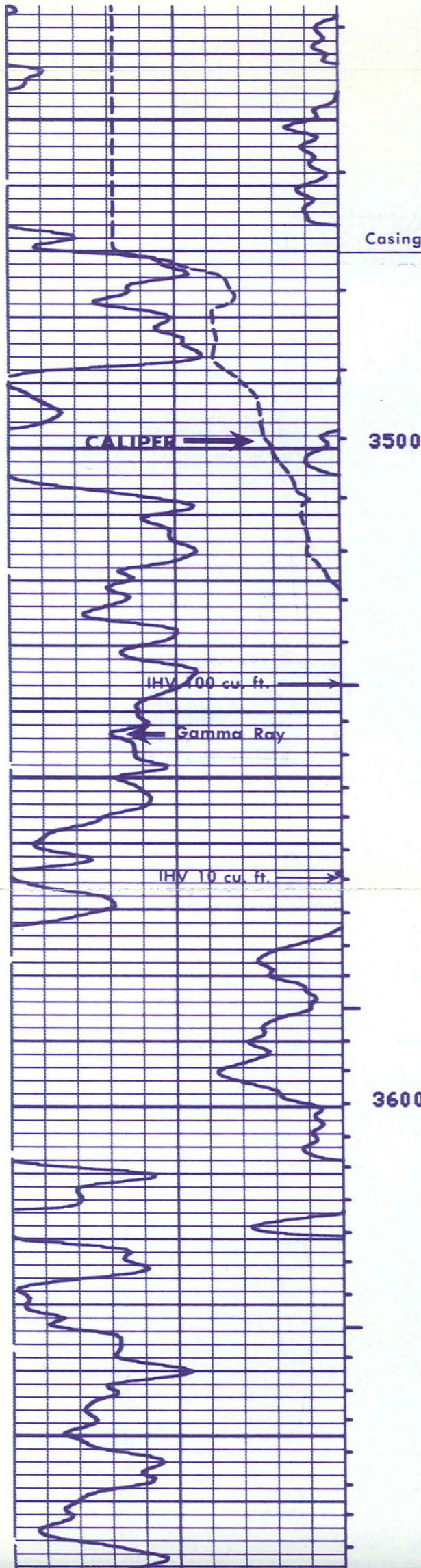
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2
2

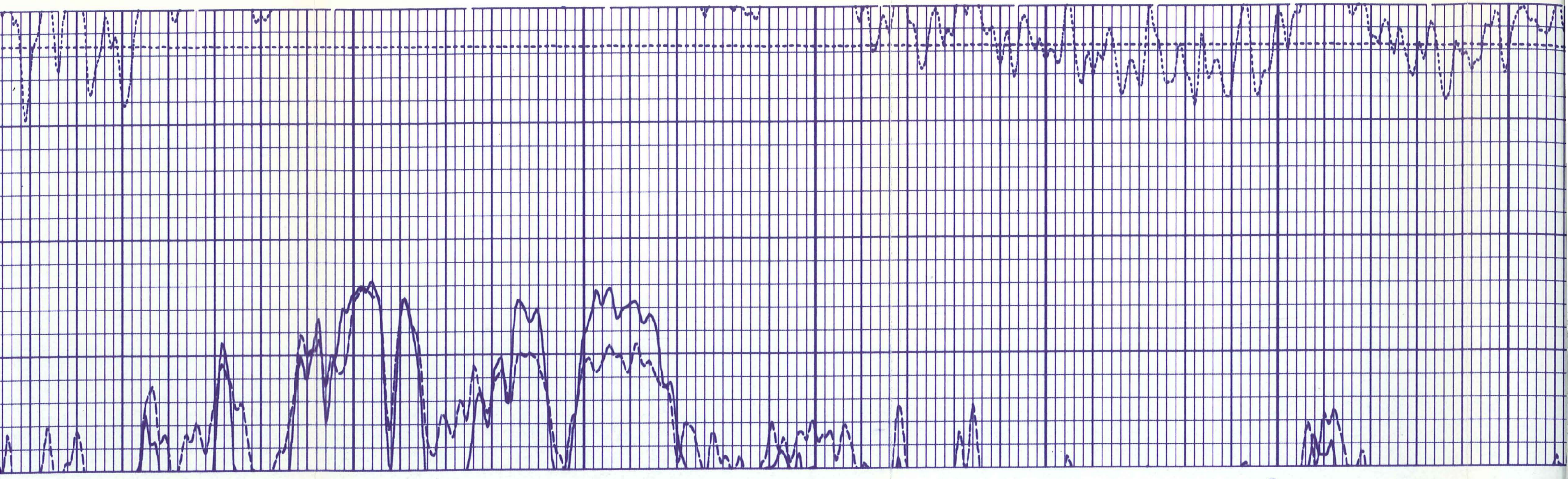
CALI(IN)	
6.000	16.00
GR (GAPI)	
0.0	150.0

TENS(LB)	
10000.	0.0
NPHI()	
0.7000	0.3000
DPHI()	
0.3000	-0.100
NPHI()	
0.3000	-0.100

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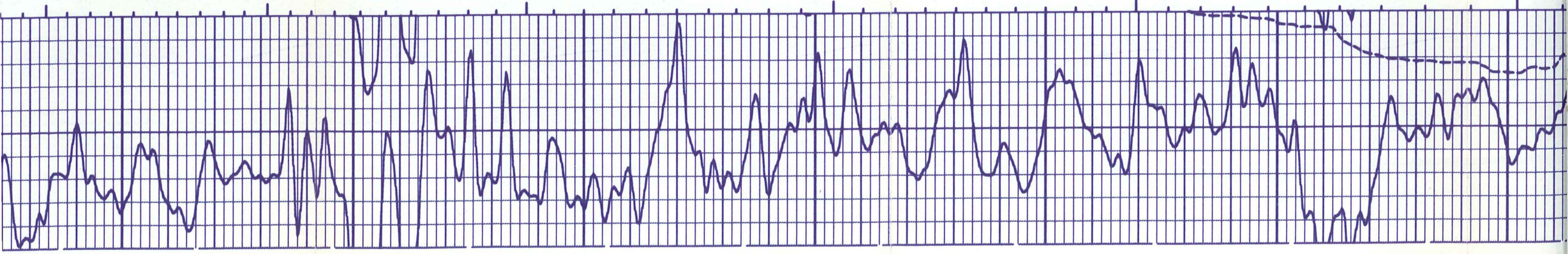
20-79 07094

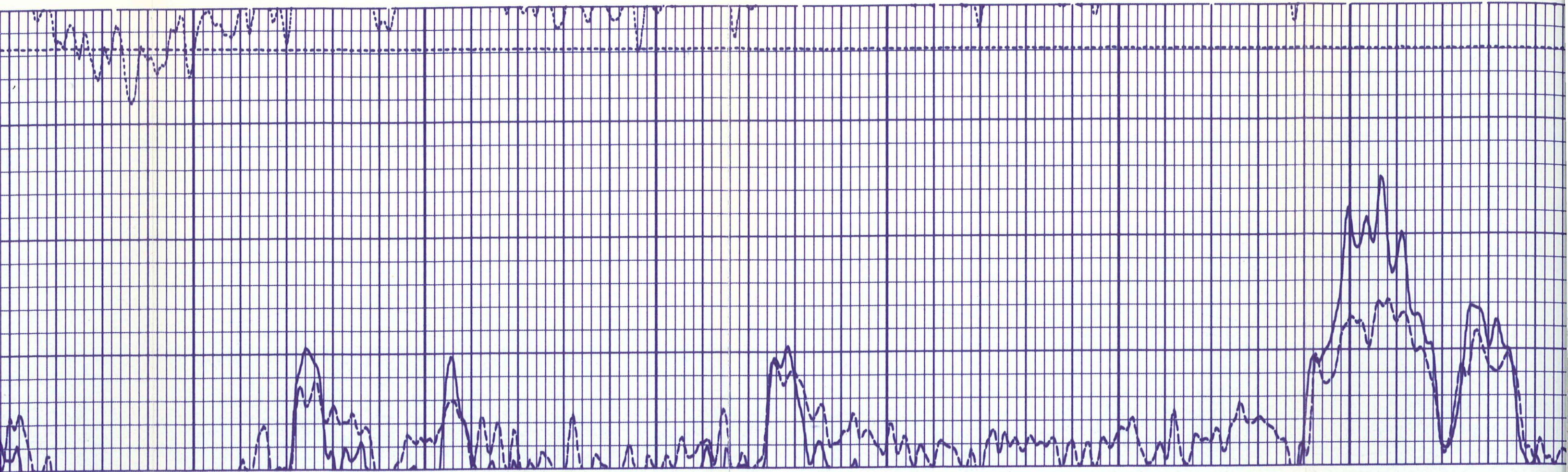


3700

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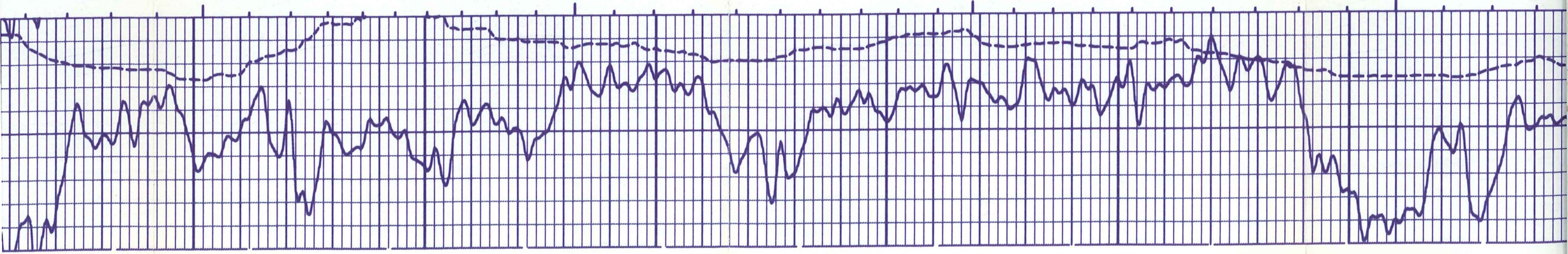


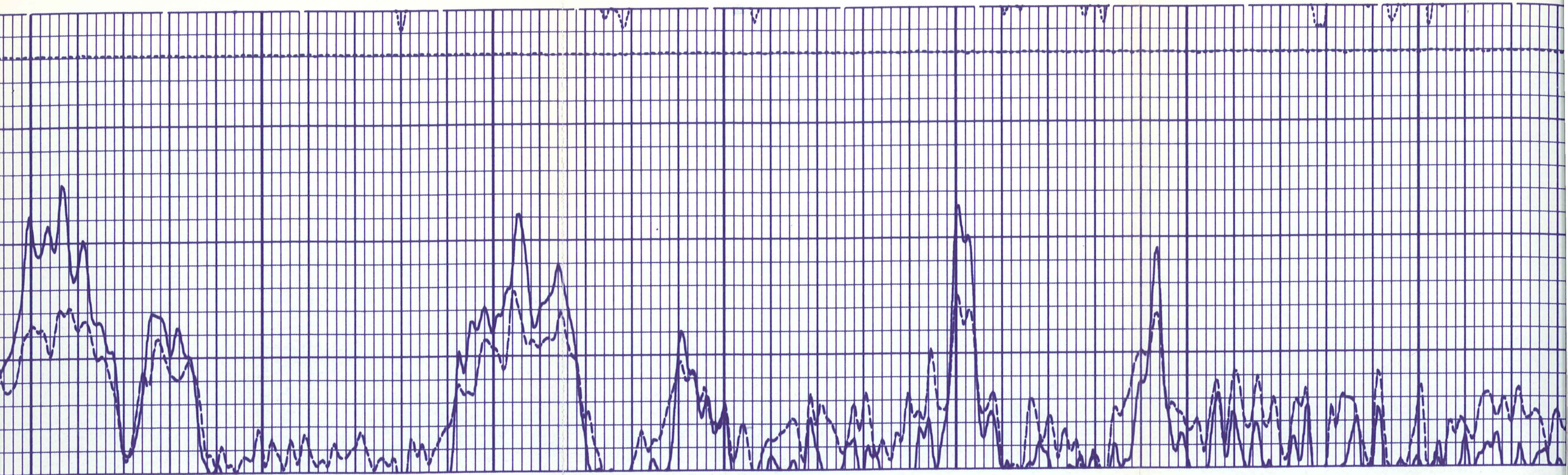


4000

4100

4200



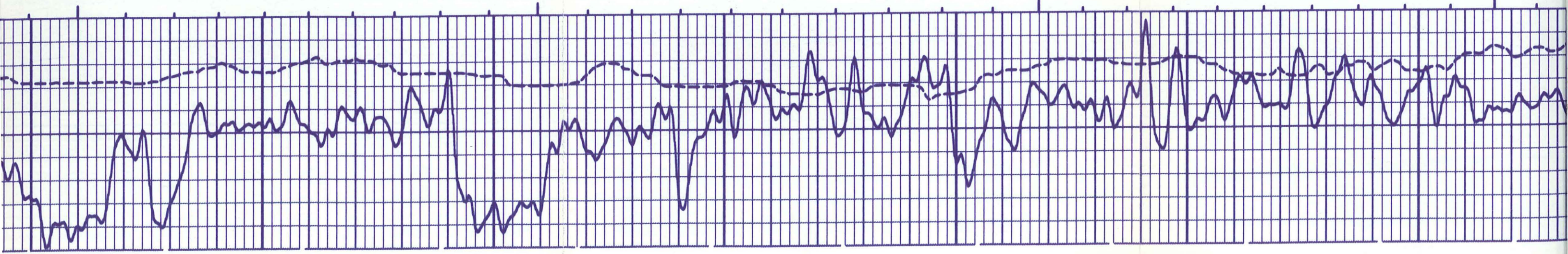


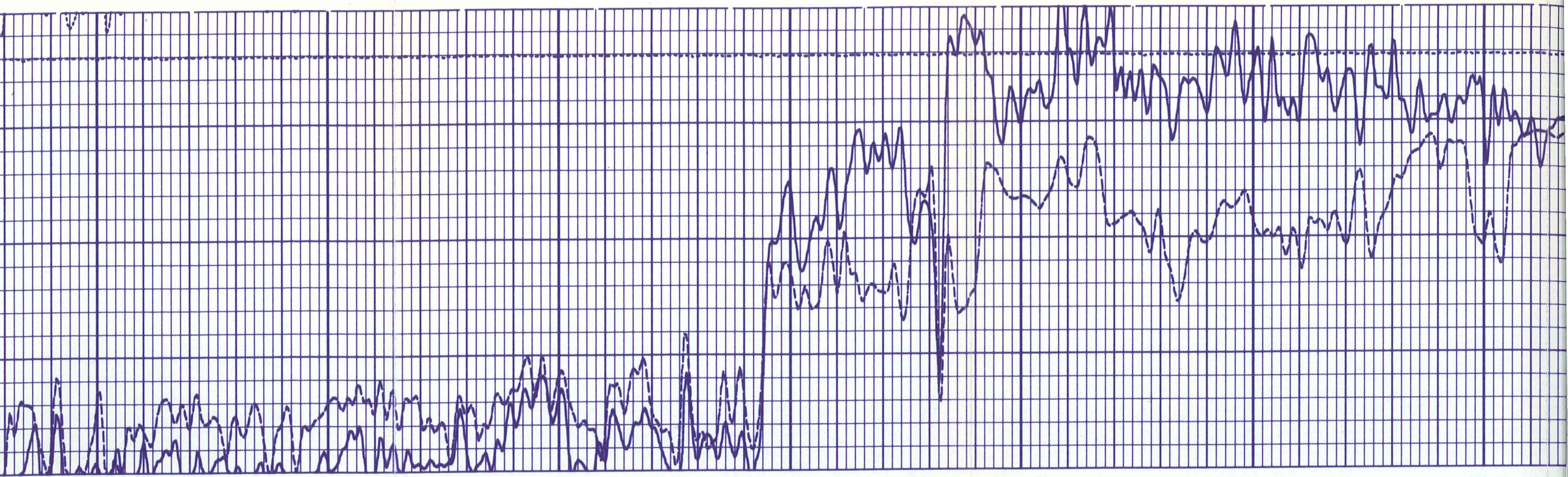
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4300

4400

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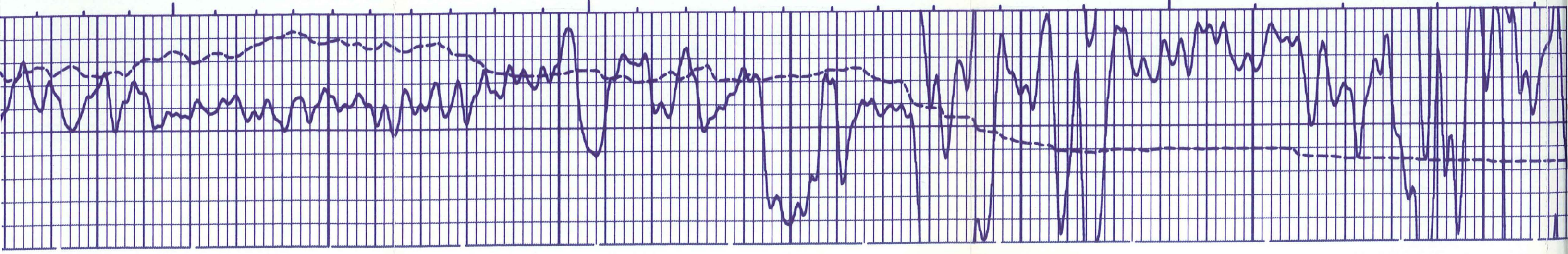


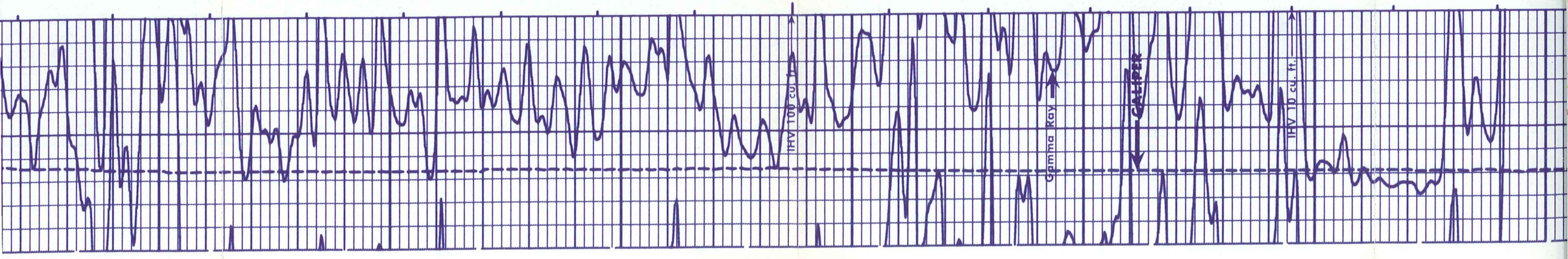
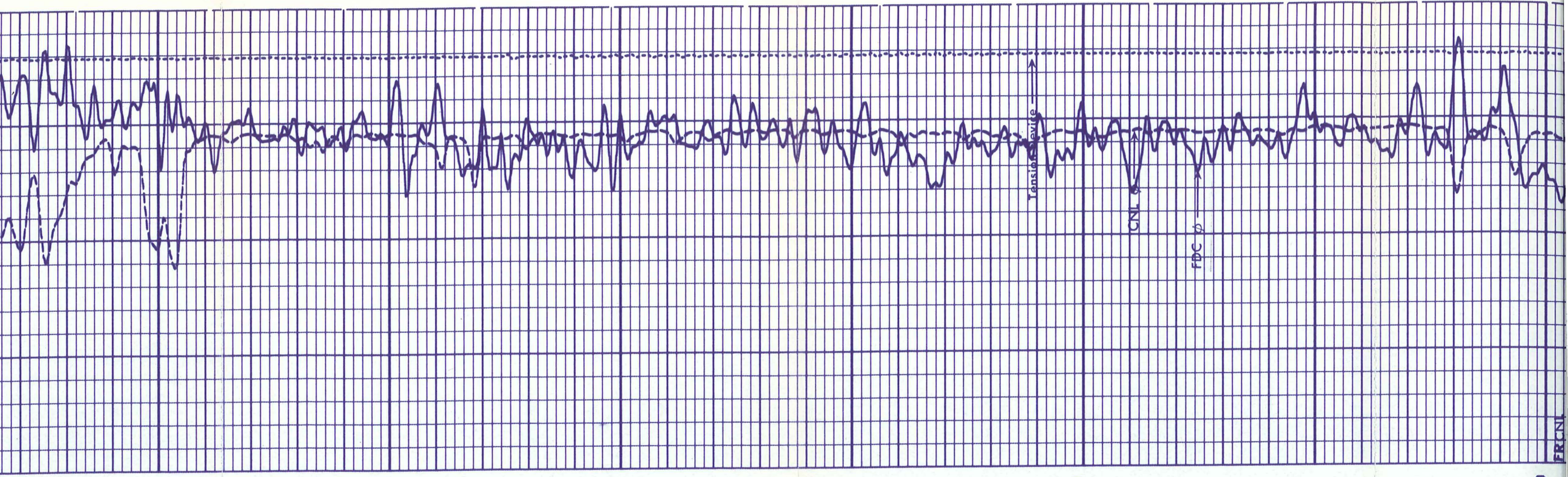
4500

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4800

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Tension device

CNI

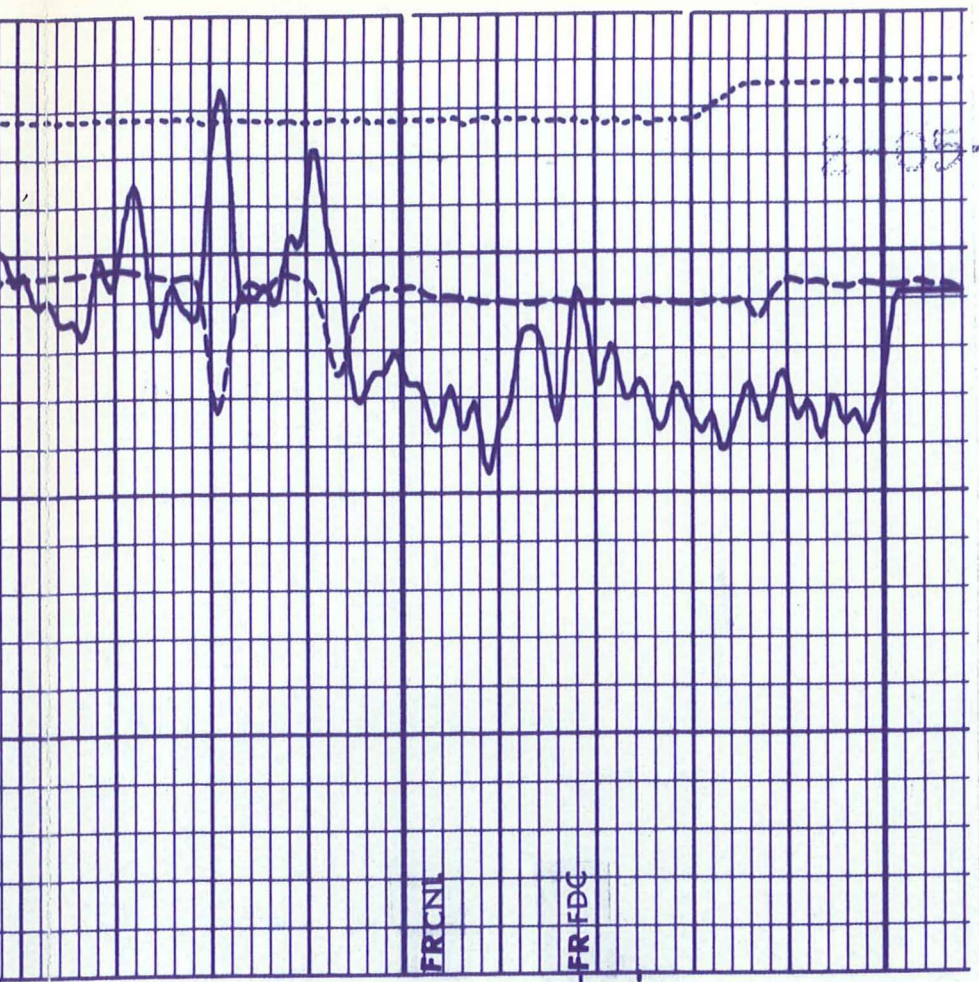
FDC

IHV 100 cu. ft.

Gamma Ray

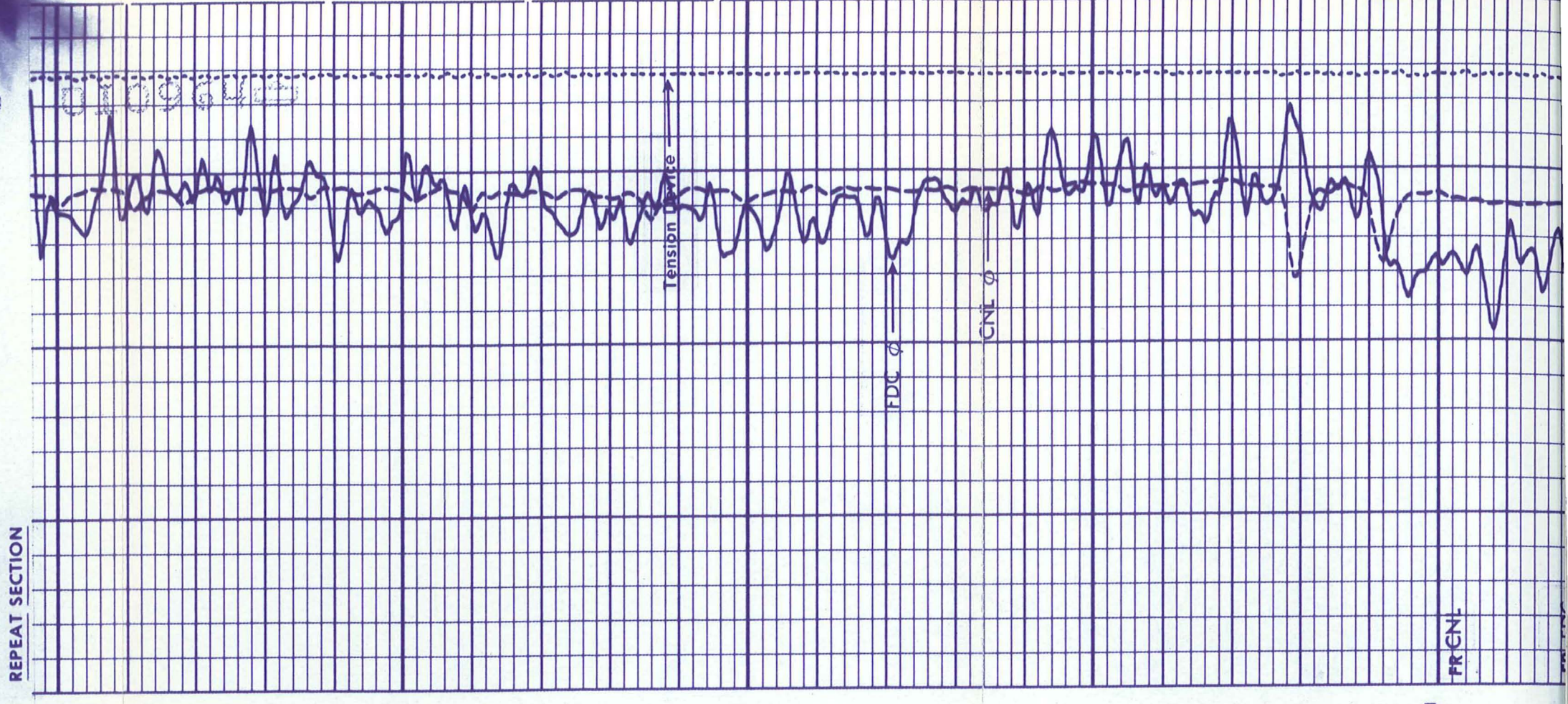
CALIPER

IHV 10 cu. ft.



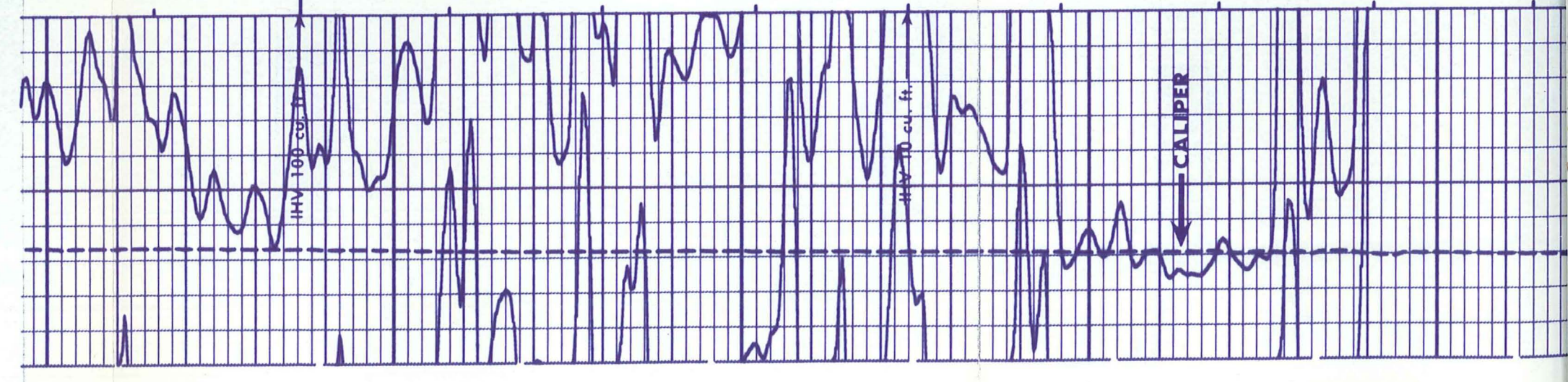
2-05-79

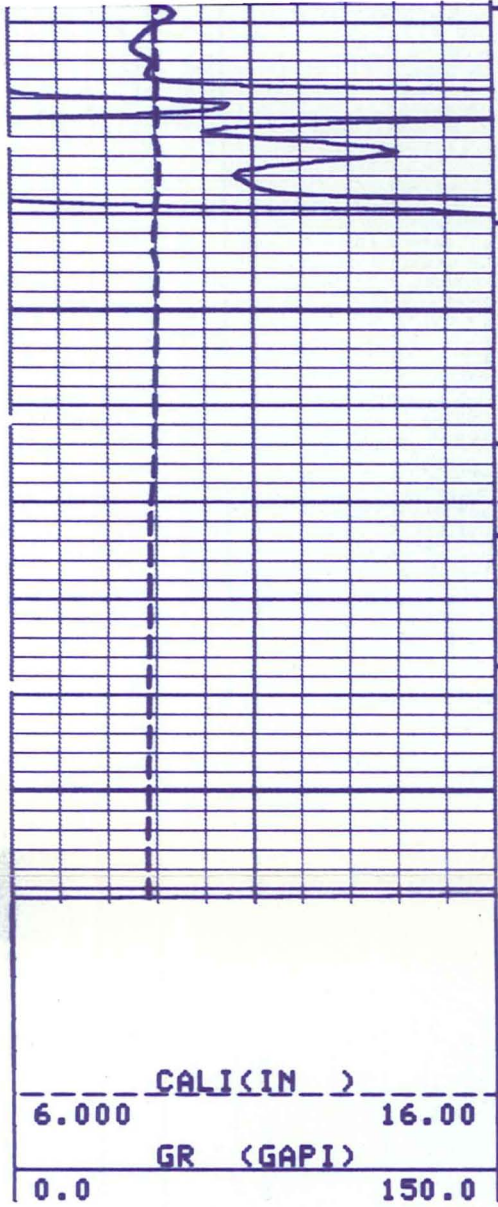
REPEAT SECTION



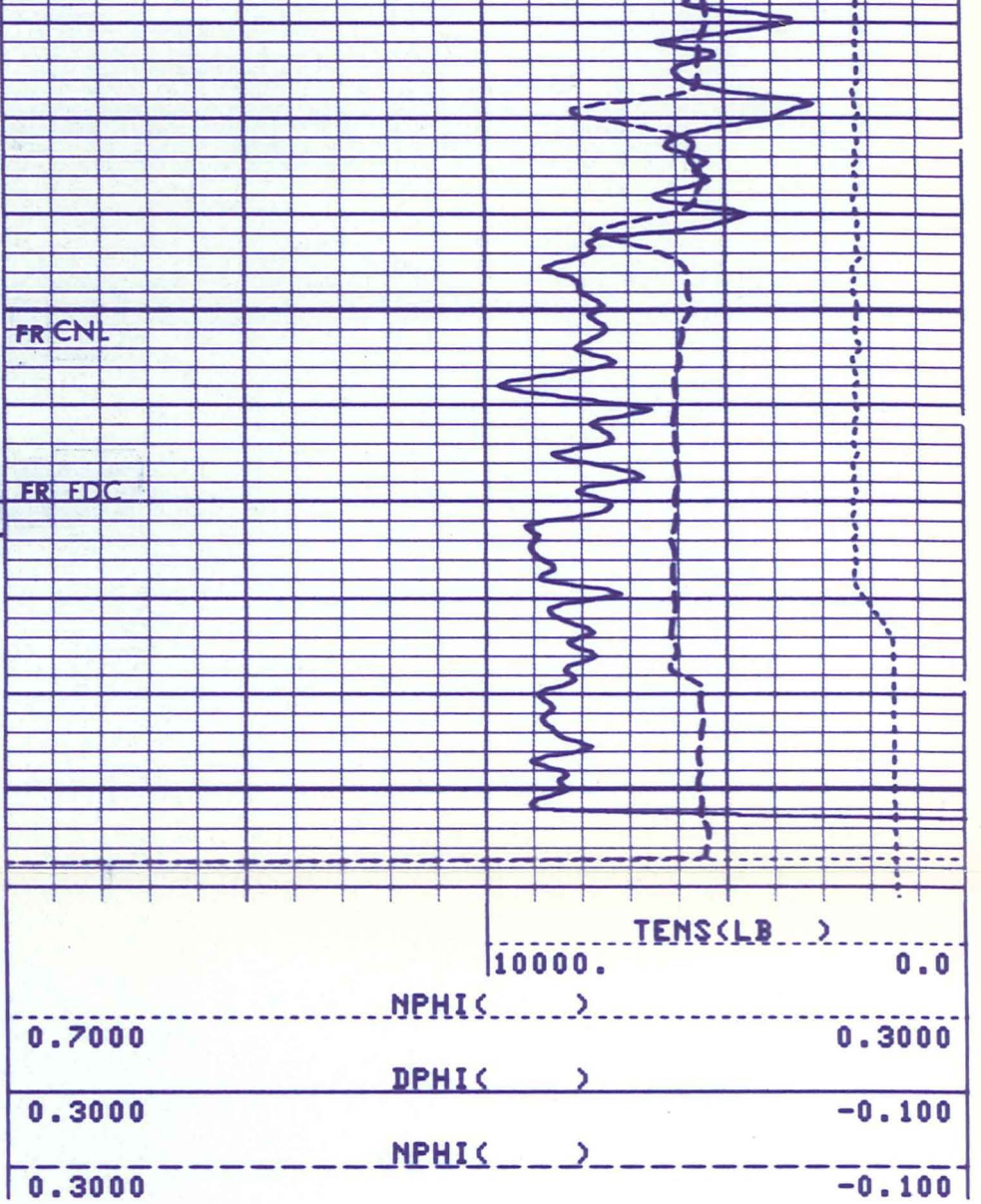
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5000
5100

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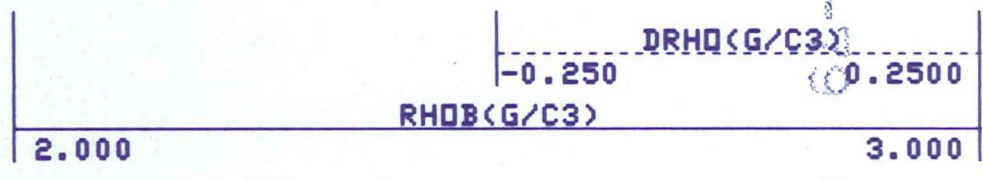
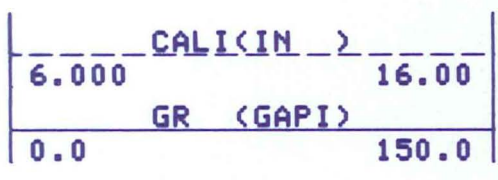




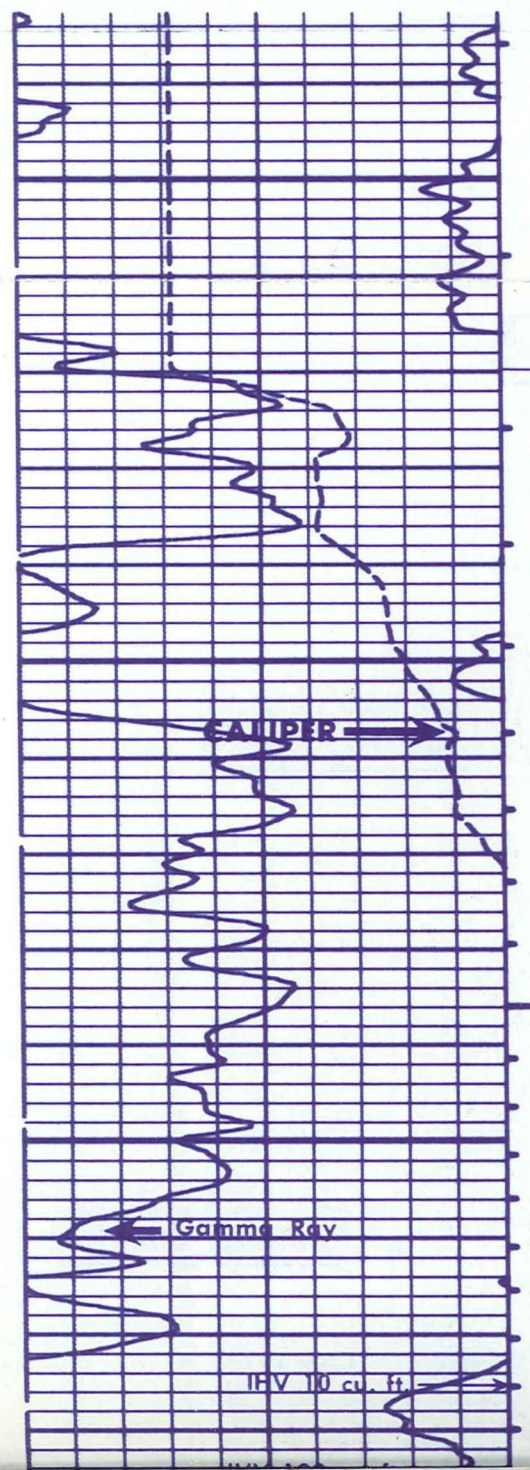
5100



33333

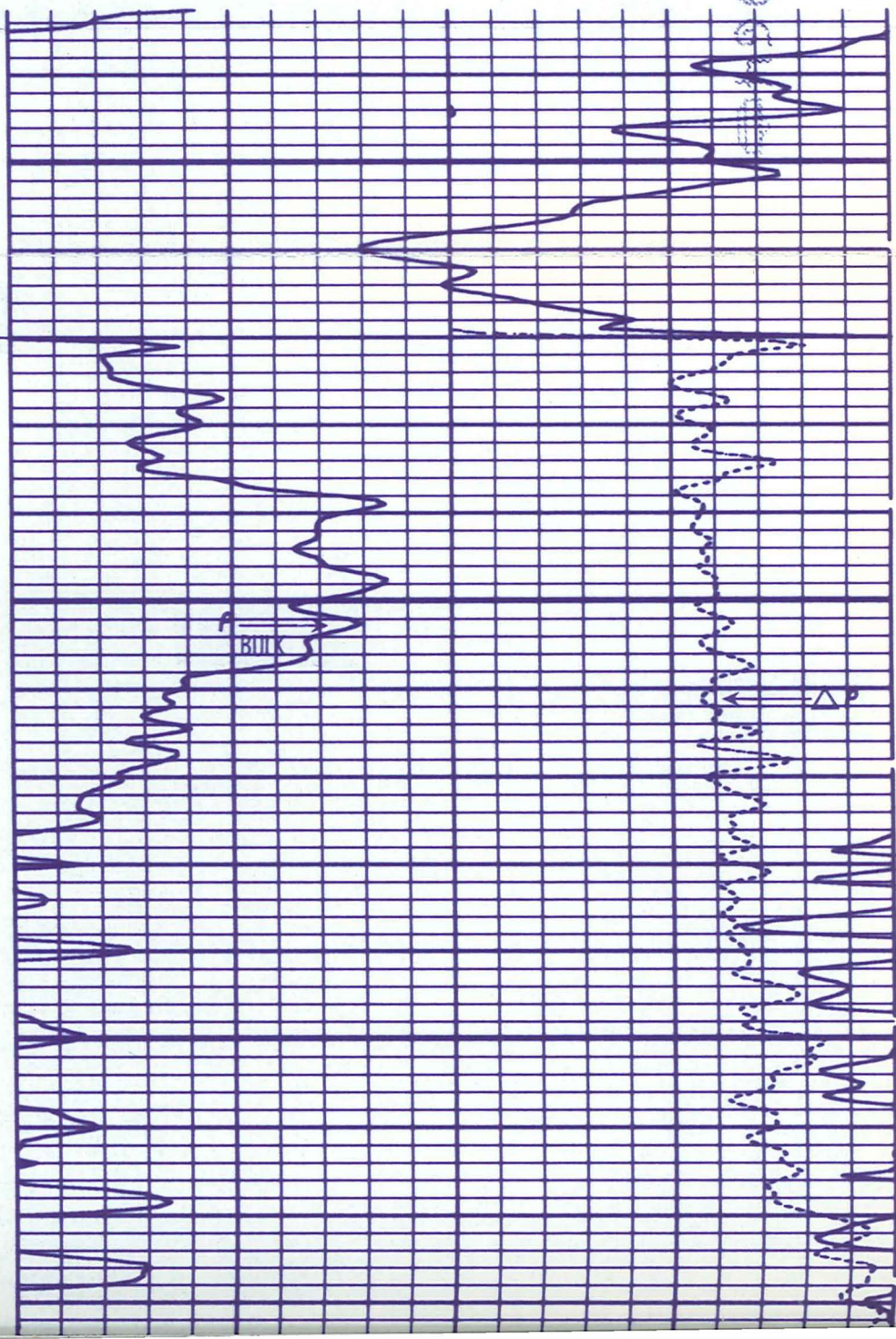


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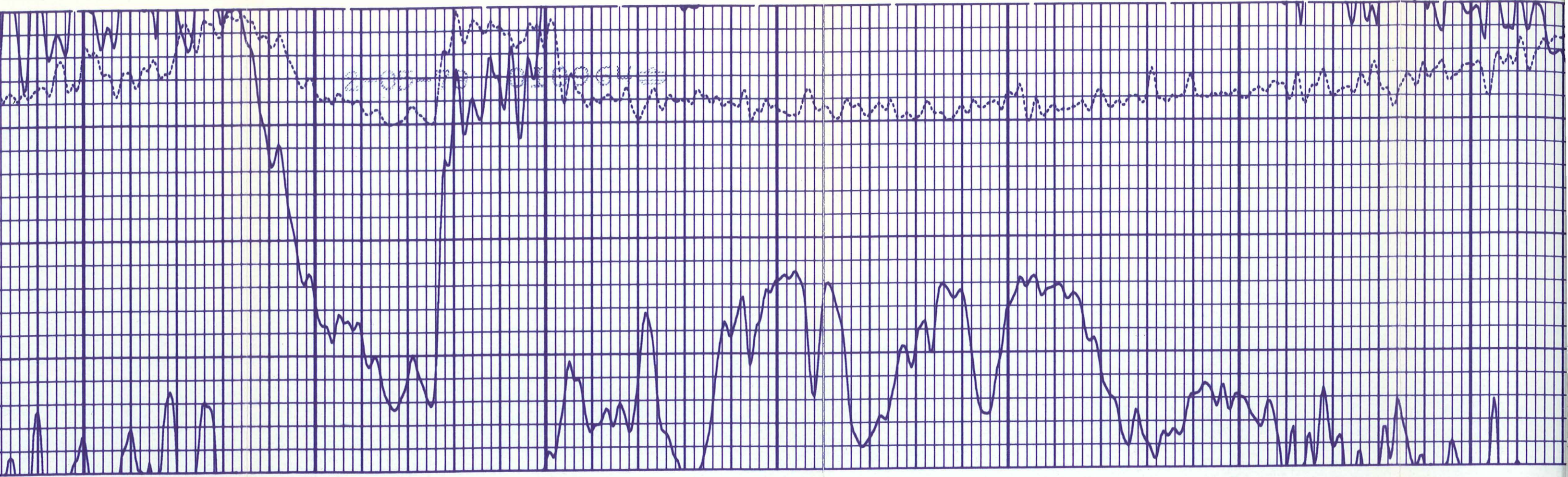


Casing

3500



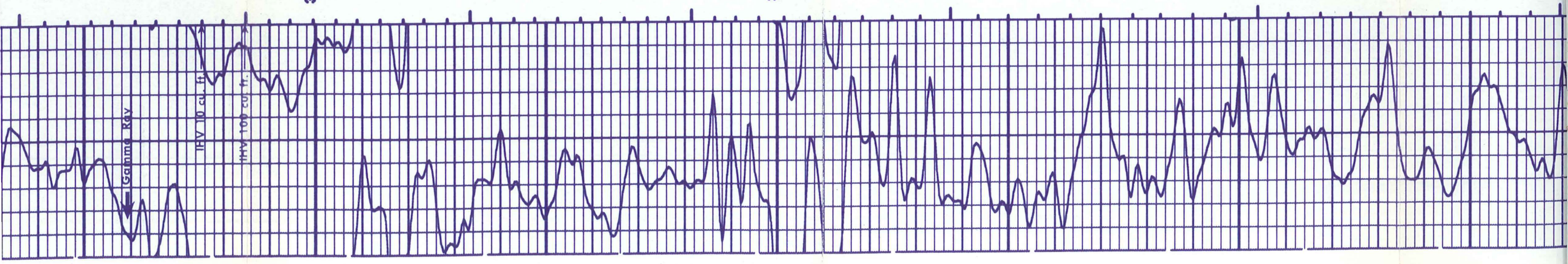
2-05-10 010961

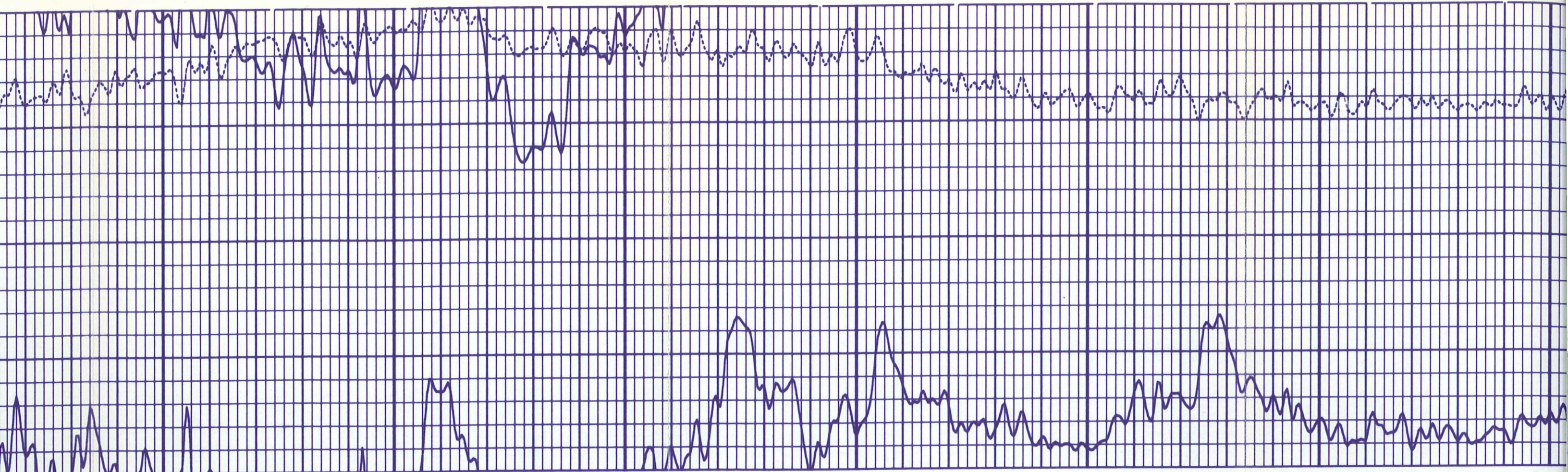


3600

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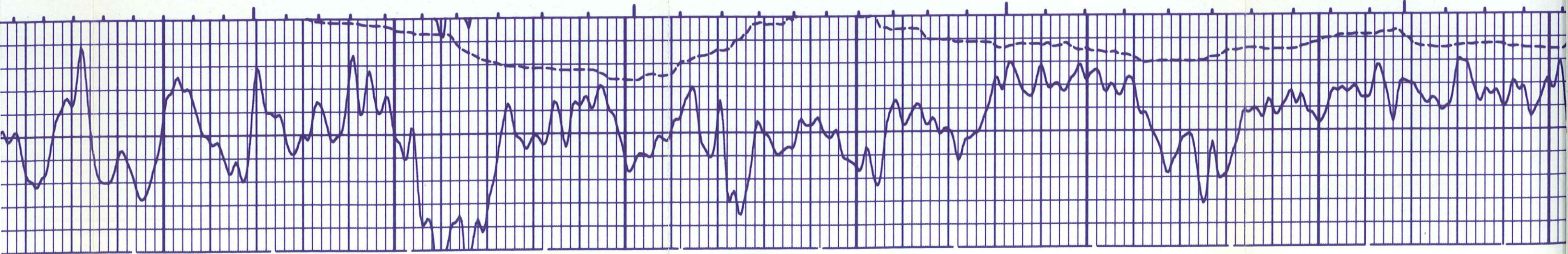


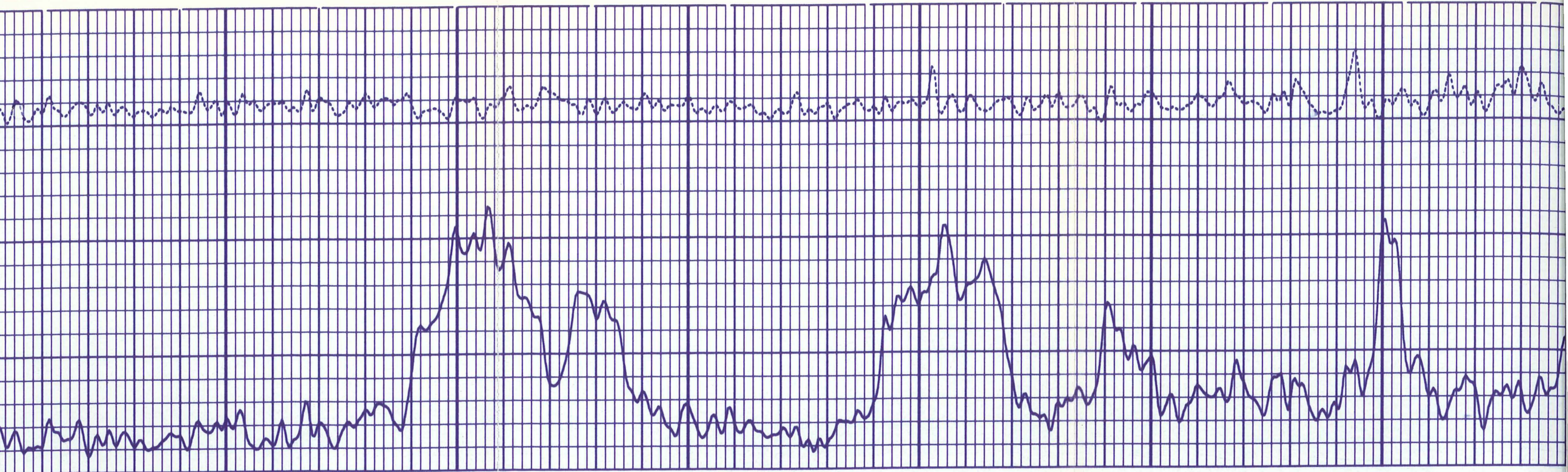


3900

4000

4100

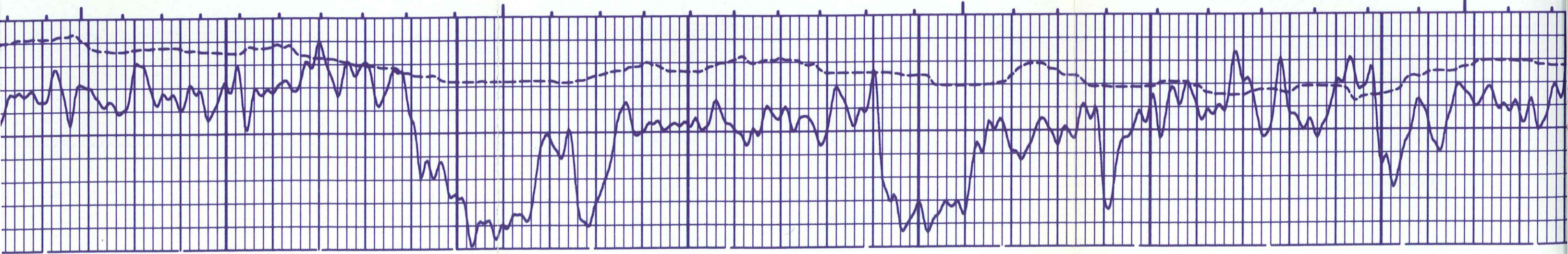


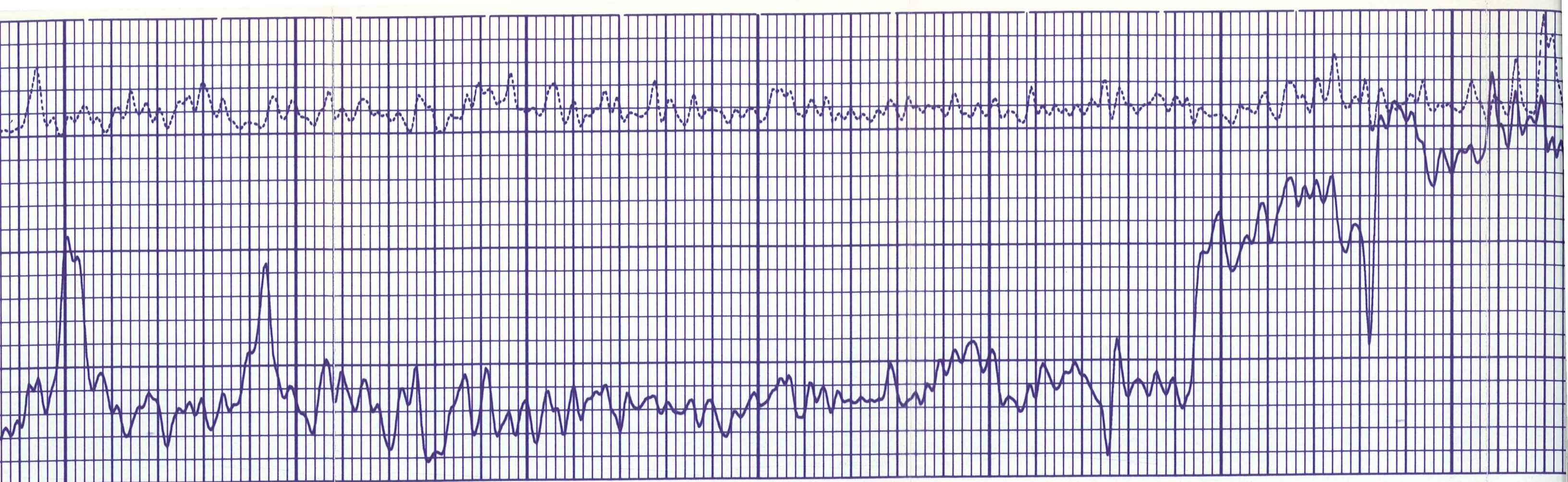


4200

4300

4400



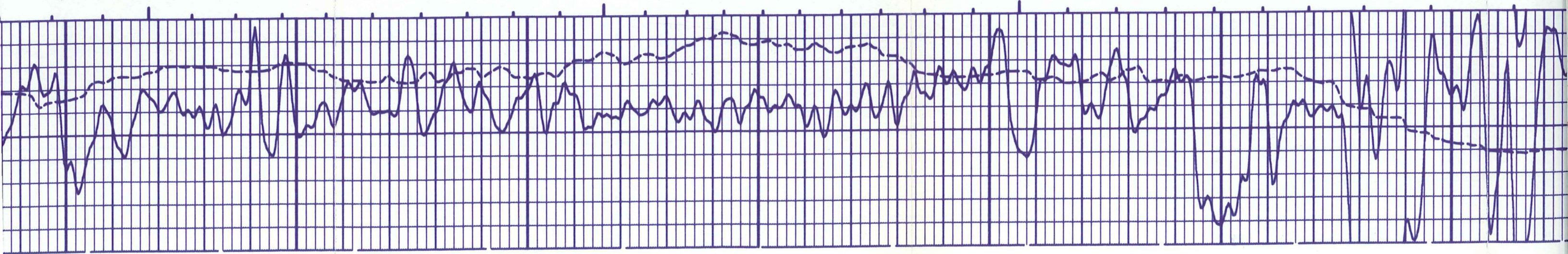


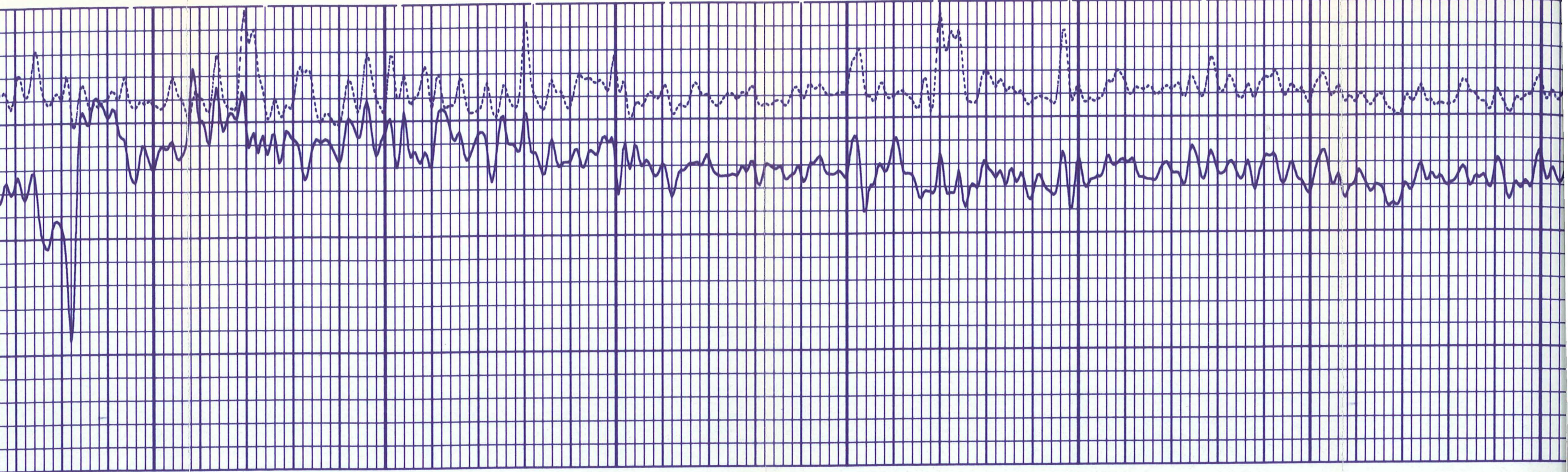
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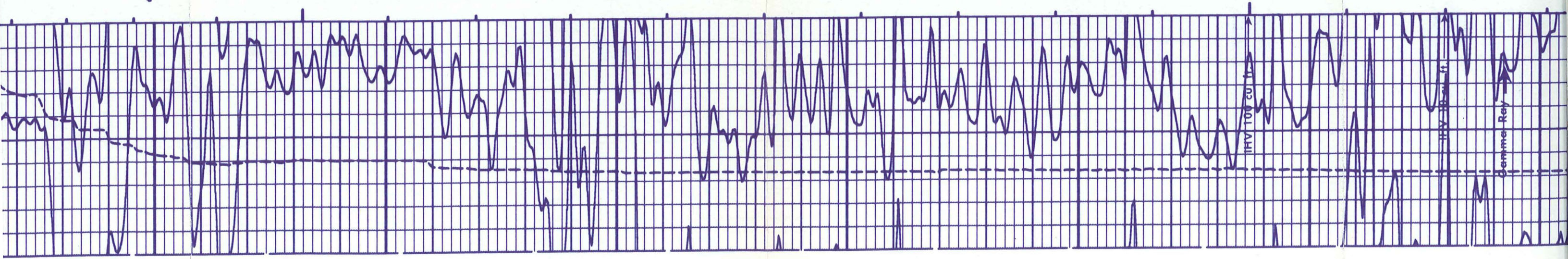


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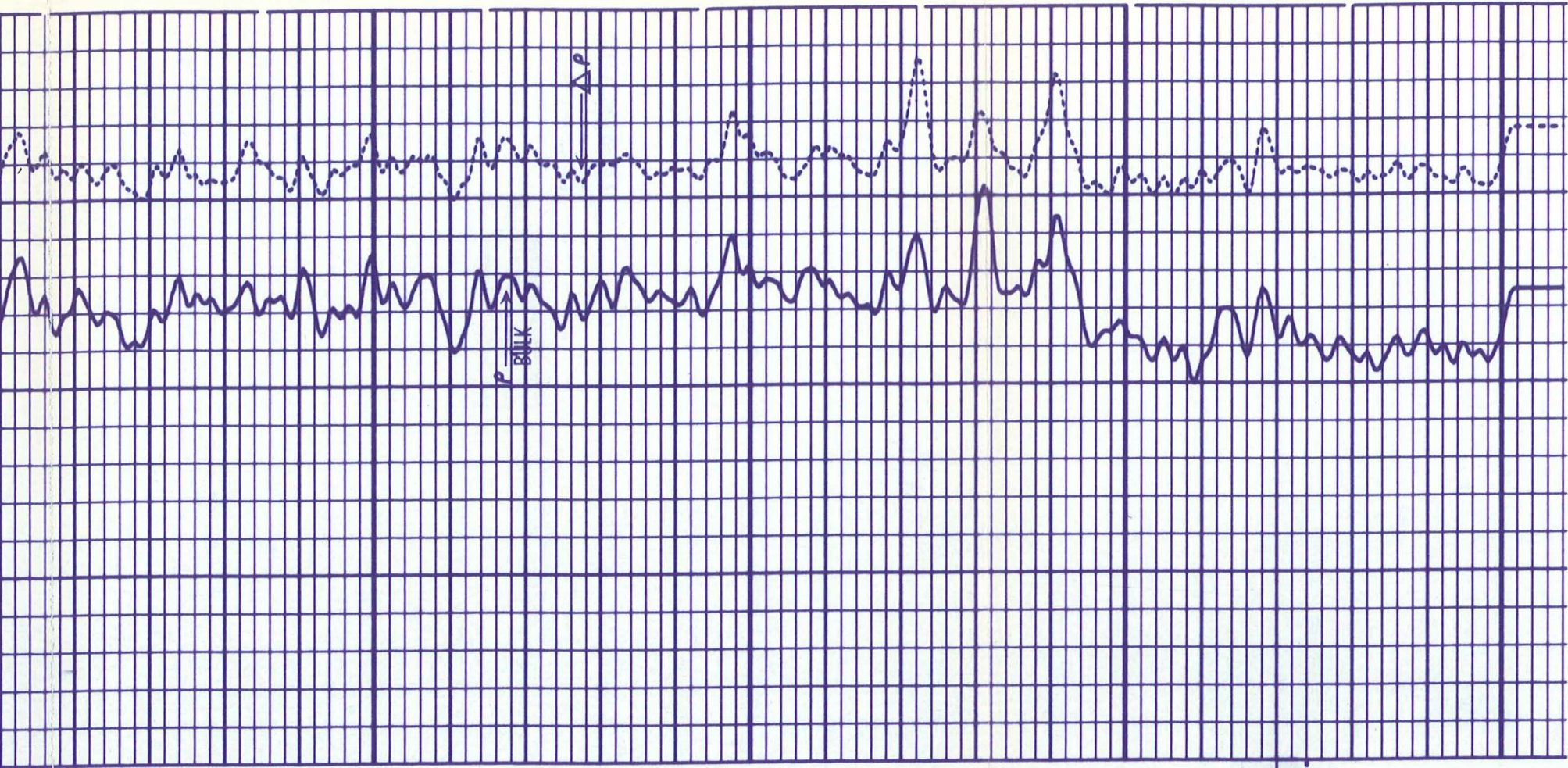
5000



HFV 100 cu ft

HFV 100 cu ft

Germer Ray



5000

5100

FR

44444



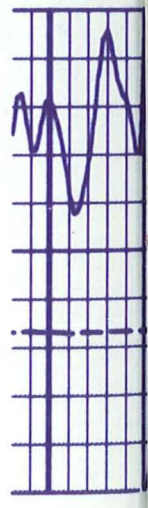
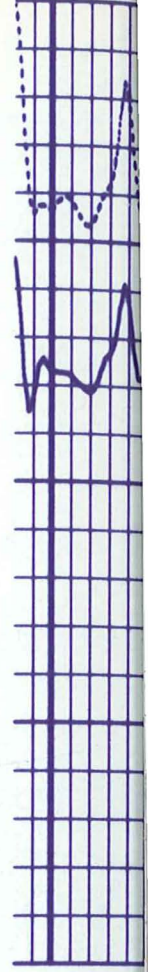
11V 10cm ft.

Gamma Ray

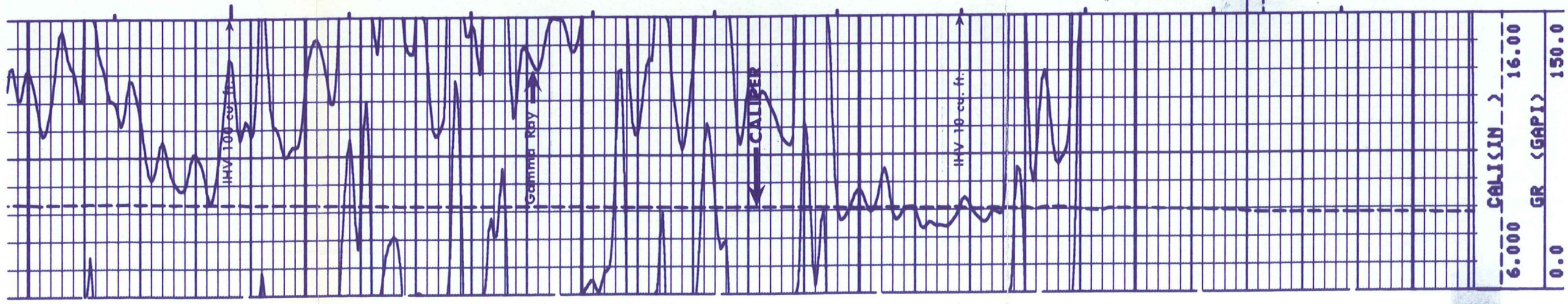
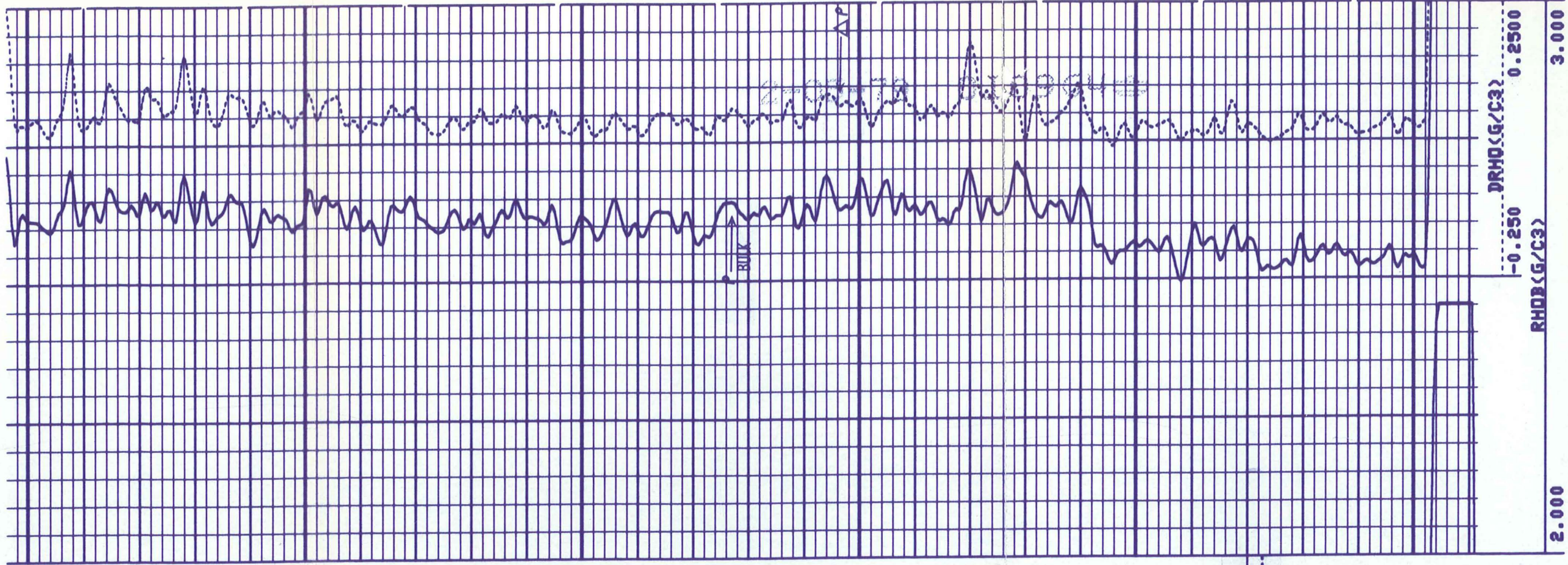
CALIPER

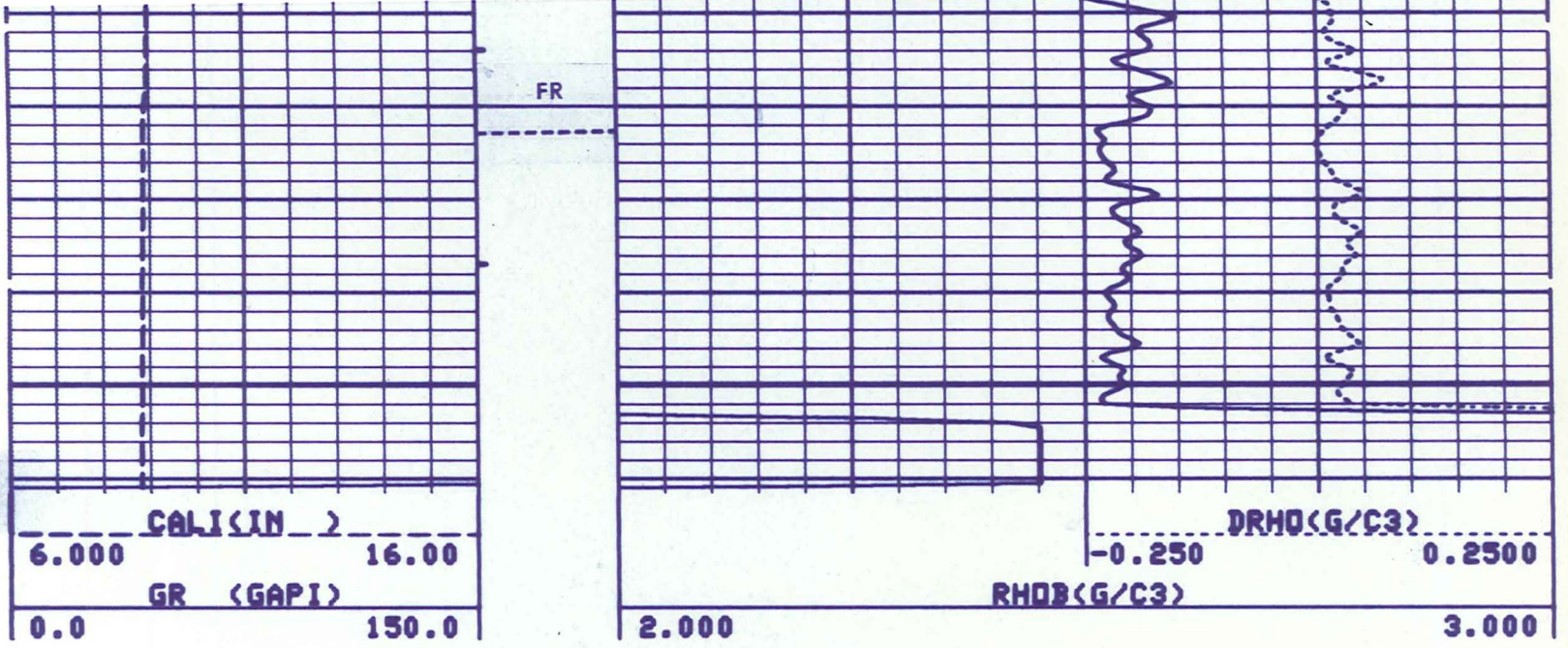
33333

4900



333333





4
4
4
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2

AFTER SURVEY TOOL CHECK SUMMARY

PERFORMED: 78/11/13
 PROGRAM FILE: NUC (VERSION 10.52 78/ 6/28)

CNTA TOOL CHECK

JIG

NRAT	BEFORE	AFTER
	2.22	2.11

POROSITY CHANGE (LIME): -0.015

PGTK TOOL CHECK

JIG

FFDC	BEFORE	AFTER	UNITS
NFDC	336	338	CPS
	527	525	CPS

4
4
4
4
4
4
4
2

BEFORE SURVEY CALIBRATION SUMMARY

PERFORMED: 78/11/13
 PROGRAM FILE: NUC (VERSION 10.52 78/ 6/28)

SGTE DETECTOR CALIBRATION SUMMARY

	MEASURED		CALIBRATED	UNITS
GR	BKGD	JIG	164	GAPI
	57	207		

CNTA DETECTOR CALIBRATION SUMMARY

	TANK		JIG	
NRAT	CALIBRATED	MEASURED	CALIBRATED	
	2.16	2.28	2.22	

PGTK DETECTOR CALIBRATION SUMMARY

	BLOCK		JIG		UNITS
FFDC	CALIBRATED	MEASURED	CALIBRATED	CPS	
NFDC	0	411	336	CPS	
	0	646	527	CPS	

PGTK CALIPER CALIBRATION SUMMARY

	MEASURED		CALIBRATED	UNITS	
CALI	SMALL	LARGE	SMALL	LARGE	IN
	9.1	12.7	8.0	12.0	

2
2
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2-05-79 010964
2-05-79 010964

SGTE DETECTOR CALIBRATION SUMMARY

GR	MEASURED		CALIBRATED	UNITS
	BKGD	JIG		
	57	207	164	GAPI

CNTA DETECTOR CALIBRATION SUMMARY

NRAT	TANK		JIG	
	CALIBRATED	MEASURED	CALIBRATED	MEASURED
	2.16	2.28	2.22	

PGTK DETECTOR CALIBRATION SUMMARY

FFDC NFDC	BLOCK		MEASURED	JIG		UNITS
	CALIBRATED	MEASURED		CALIBRATED	MEASURED	
	0	411	336		CPS	
	0	646	527		CPS	

PGTK CALIPER CALIBRATION SUMMARY

CALI	MEASURED		CALIBRATED		UNITS
	SMALL	LARGE	SMALL	LARGE	
	9.1	12.7	8.0	12.0	IN

2
2
2
2
2
2

PGTK CALIPER CALIBRATION SUMMARY

CALI	MEASURED		CALIBRATED		UNITS
	SMALL	LARGE	SMALL	LARGE	
	9.1	12.7	8.0	12.0	IN

2
2
2
2
2
2

33
33

SHOP SUMMARY

PERFORMED: 78/10/28
PROGRAM FILE: SHOP (VERSION 10.52 78/ 6/28)

CNTA DETECTOR CALIBRATION SUMMARY

NRAT	TANK		JIG	
	MEASURED	CALIBRATED	MEASURED	CALIBRATED
	2.21	2.15	2.21	2.16

(CNC:1278 , CNB:1342)

33
33

SHOP SUMMARY

PERFORMED: 78/10/28
PROGRAM FILE: SHOP (VERSION 10.52 78/ 6/28)

PGTK DETECTOR CALIBRATION SUMMARY

FFDC NFDC	BLOCK		MEASURED	JIG		UNITS
	MEASURED	CALIBRATED		CALIBRATED	MEASURED	
	413	336	413	336	CPS	
	635	527	635	527	CPS	

(PGS:76 , PGC:89 , SFT:17)

33
33

10964E

2-01-79 010964E