19-187

FORMATION DENSITY Run 1 5"

SCHLUMBERGER

COMPENSATED FORMATION DENSITY LOG

Gamma-Gamma

COUNTY / FIELD or LOCATION / WELL / COMPANY

COMPANY SHELL OIL CO.

CONFIDENTIAL

WELL SHELL MINARD OCA 1-34 (STRAT TEST 3A)

FIELD OCEAN CITY AREA

COUNTY GRAYS HARBOR STATE WASHINGTON

Location: NE/4 OF NE/4

Sec. 34 Twp. 18N Rge. 12W

Other Services:

Permanent Datum: GL ; Elev.: 15.1

Log Measured From DF , 12 Ft. Above Perm. Datum

Drilling Measured From DF

Elev.: K.B. ____

D.F. 27.1

G.L. ____

Date	5-17-70		
Run No.	1		
Type Log	GR-GR		
Depth—Driller	4600		
Depth—Logger	4598		
Bottom logged interval	4597		
Top logged interval	517		
Type fluid in hole	FGM		
Salinity, PPM Cl.			
Density	84		
Level	FULL		
Max rec. temp., deg F.	105		
Operating rig time	3 HRS		
Recorded by	ANDERSON		
Witnessed by			

RUN No.	BORE-HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To
1	8 3/4	517	4600	9 5/8		0	517

FOLD HERE

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

EQUIPMENT DATA

Run No.	PG P-	PDH-A	PGH-A	PGS-	Source No.	SFT-106	SGH	Logging Unit	Location
1	0	156	138	E	2427	213	394	3716	SAC
2				179					
3									

CALIBRATION DATA

Run No.	Gamma Ray API Scale	Gamma Ray Background CPS	Total CPS	FDC — Before Log — ACPS P1	FDC — Before Log — ACPS P2	FDC — After Log — ACPS P1	FDC — After Log — ACPS P2
1	0-100	160	488	348	672	348	672
2							
3							

LOGGING DATA

Run No.	Depths From	Depths To	Speed Ft./Min.	Tc	FDC Selectors: Gamma Ray API Scale	Liquid Density	Grain Density	Hole Fluid	Porosity Scale
1	517	4597	30	2	0-100	1.0	2.65	LIQUID	—
2									
3									

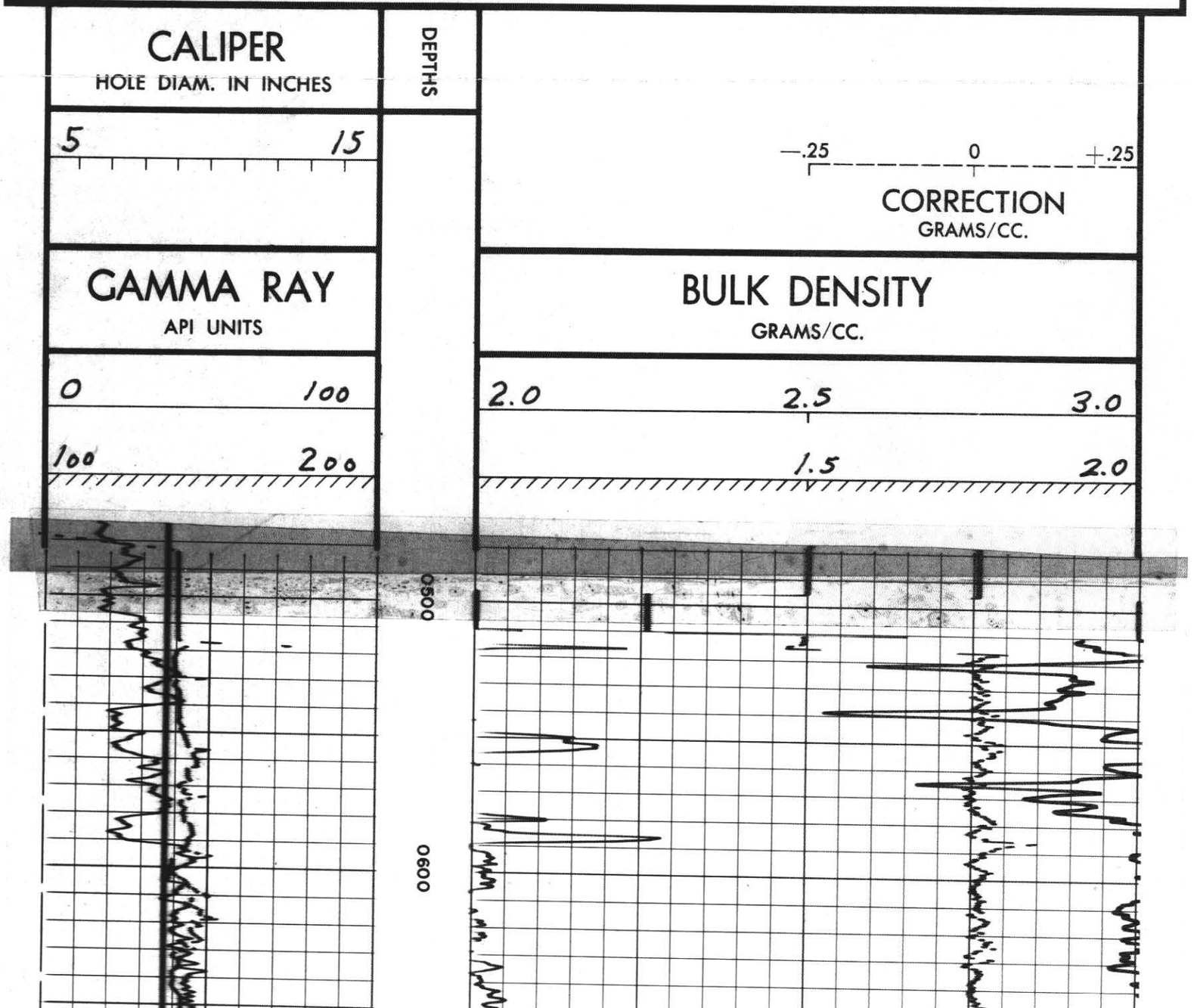
SWS—1381-D

MUD DATA

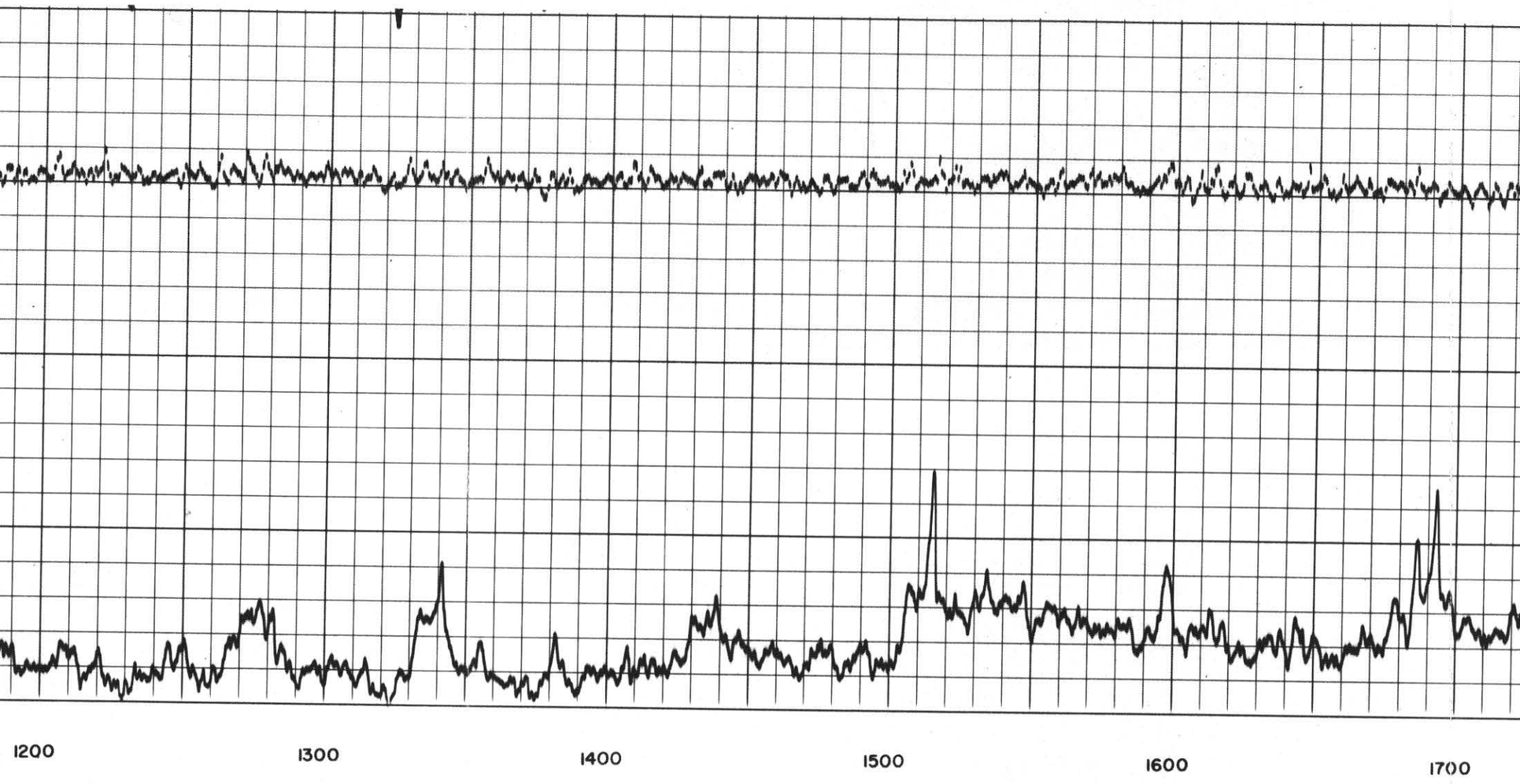
Run No.	Rm. @ °F	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @ °F	Solids, Av. Sp. Gr.
1	1.96 @ 67 °F				@ °F	
2	@ °F				@ °F	
3	@ °F				@ °F	

Remarks:

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 interpreations, 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 7 of our General Terms and Conditions as set out in our current Price Schedule.



0700
0800
0900
1000
1100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1300
1400
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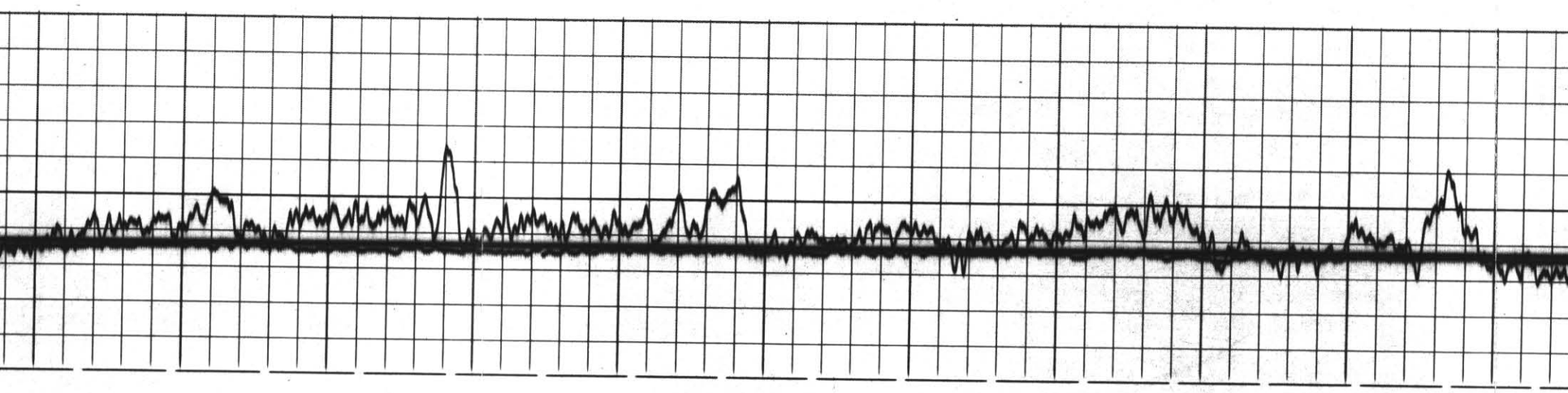

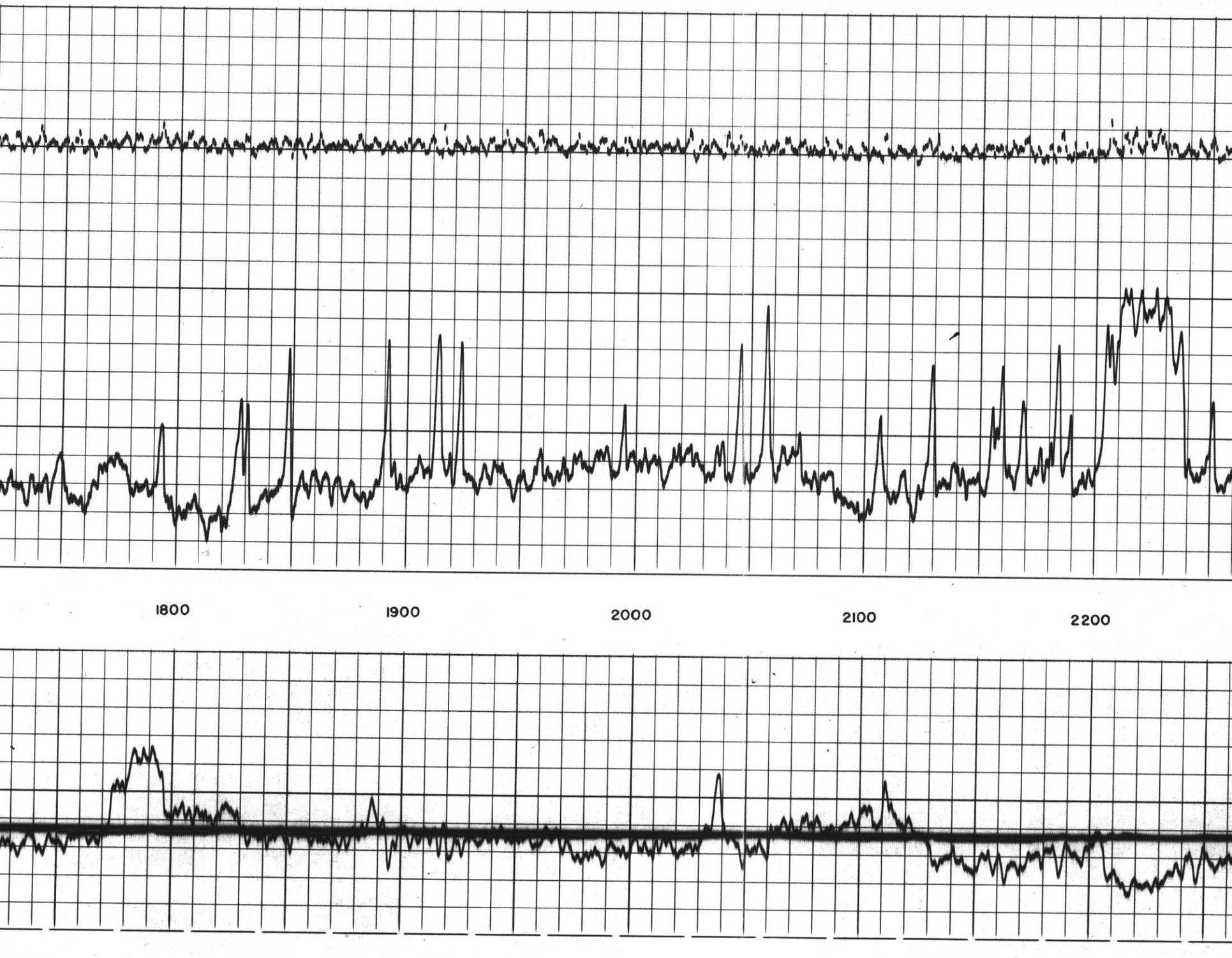
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2100
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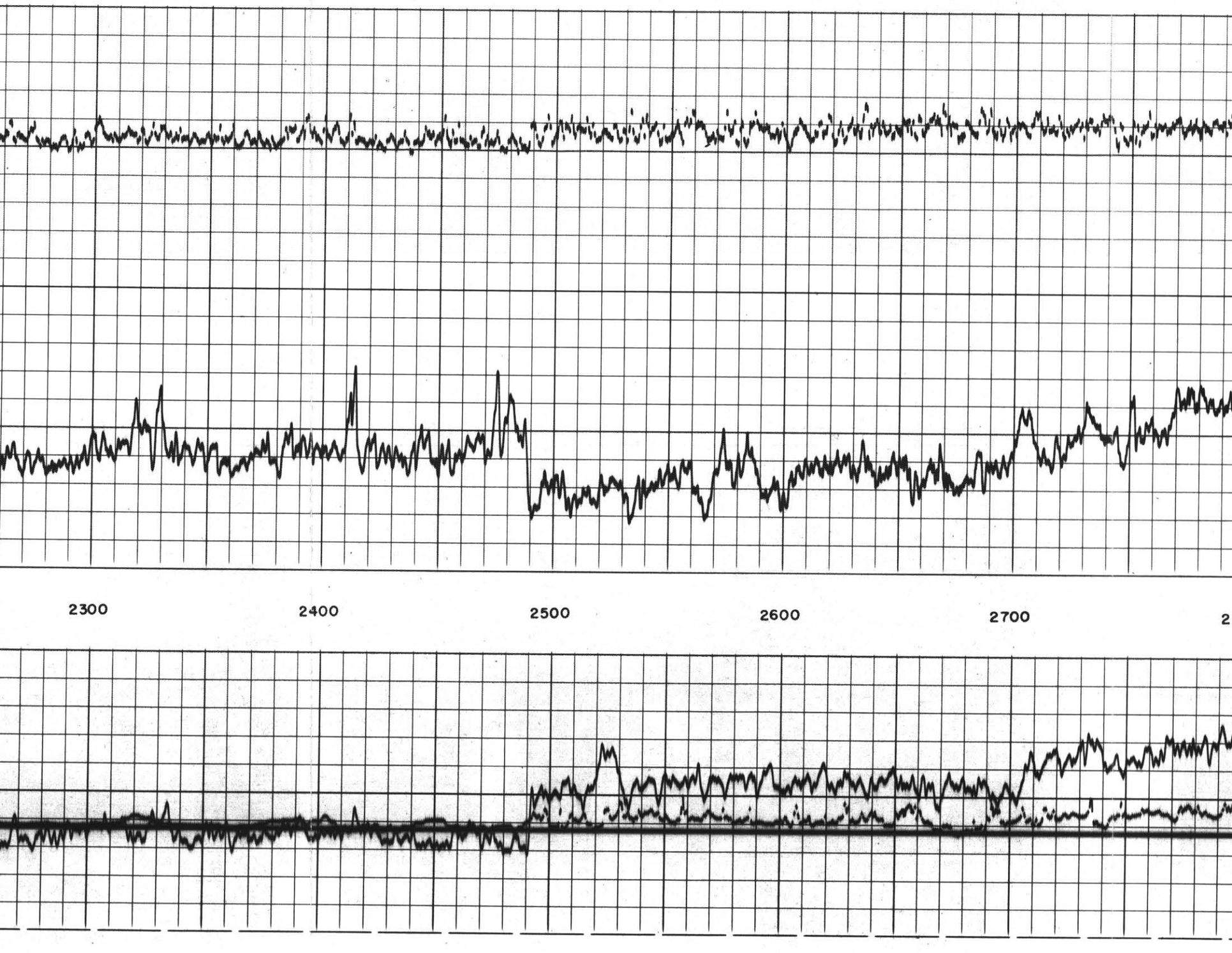
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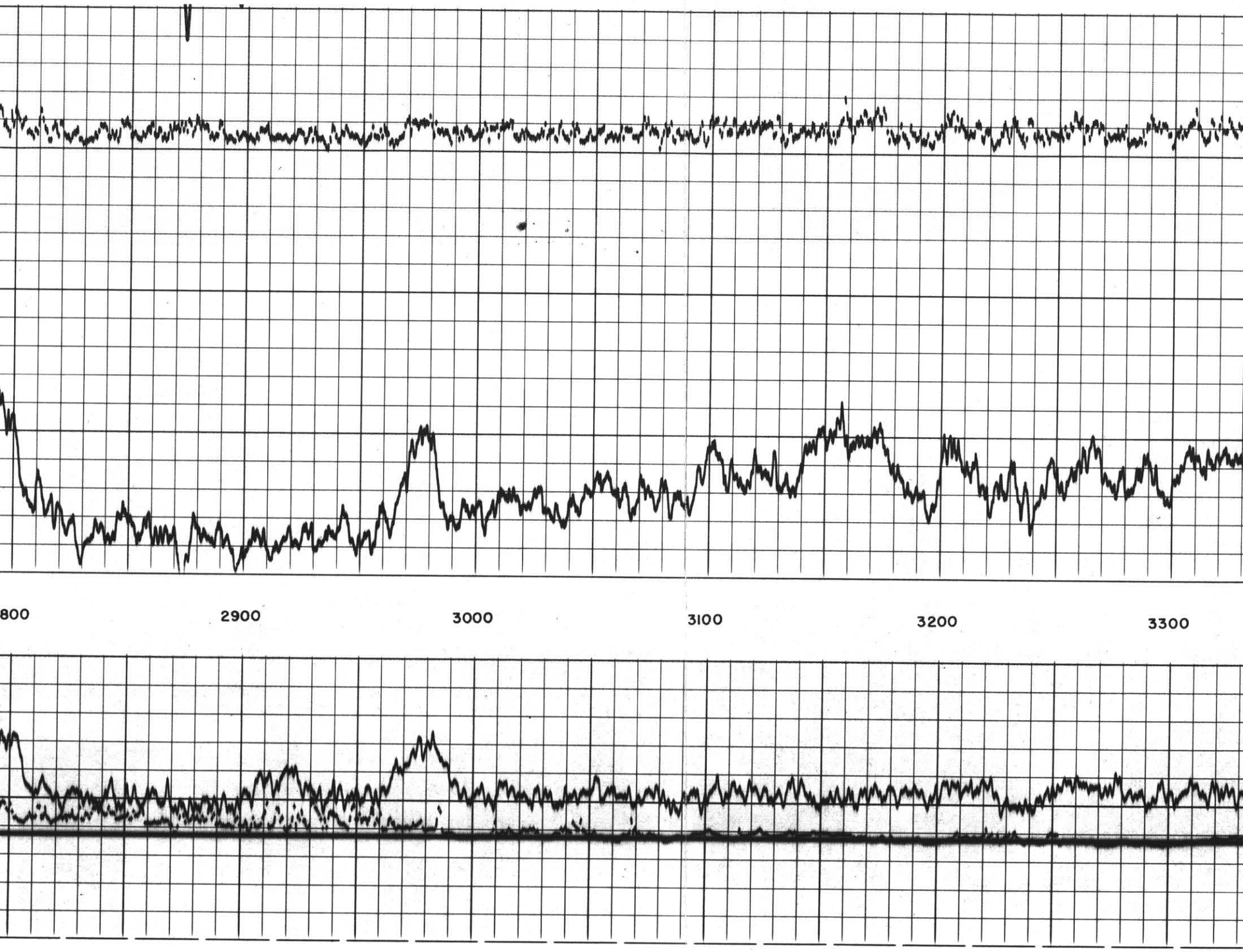
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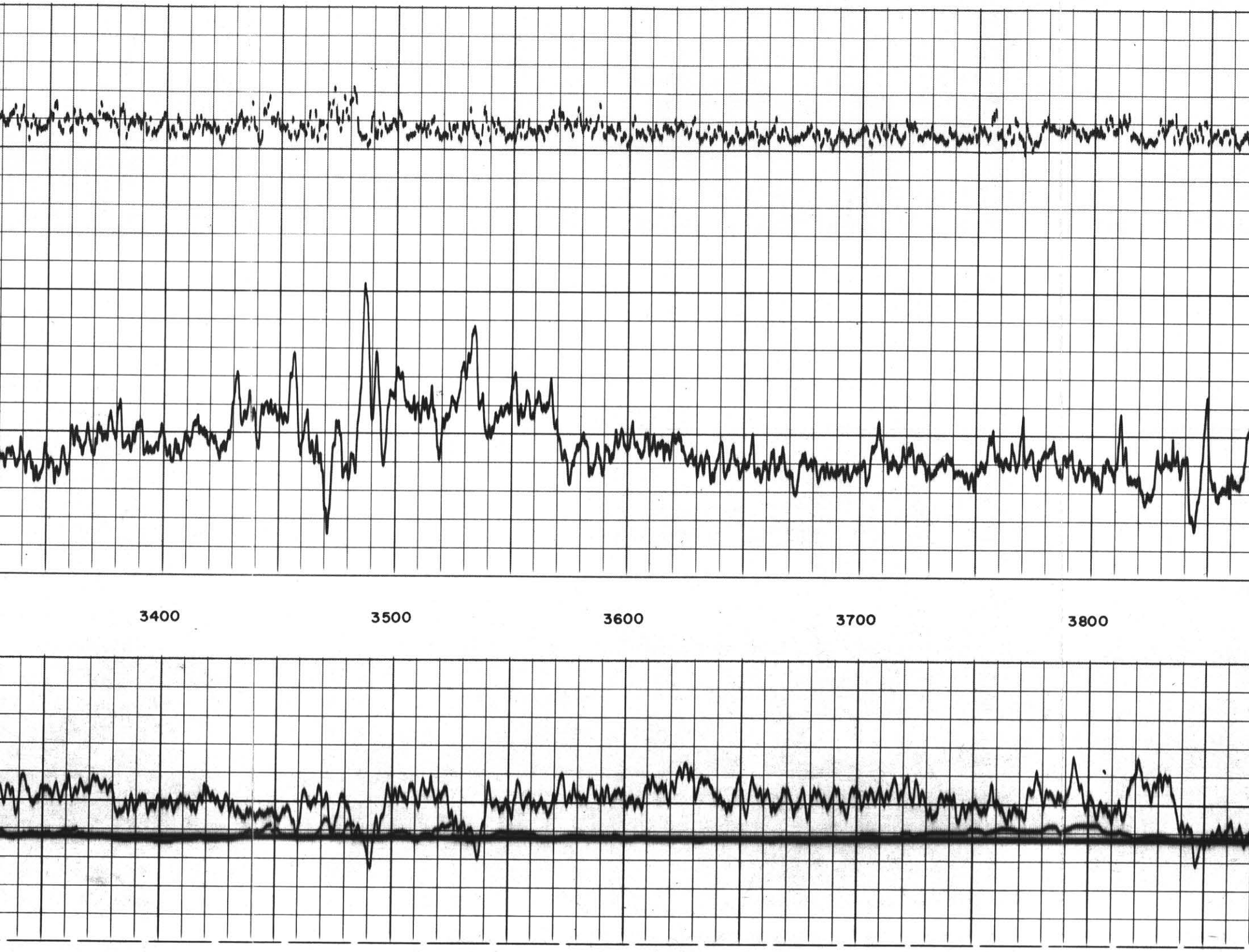
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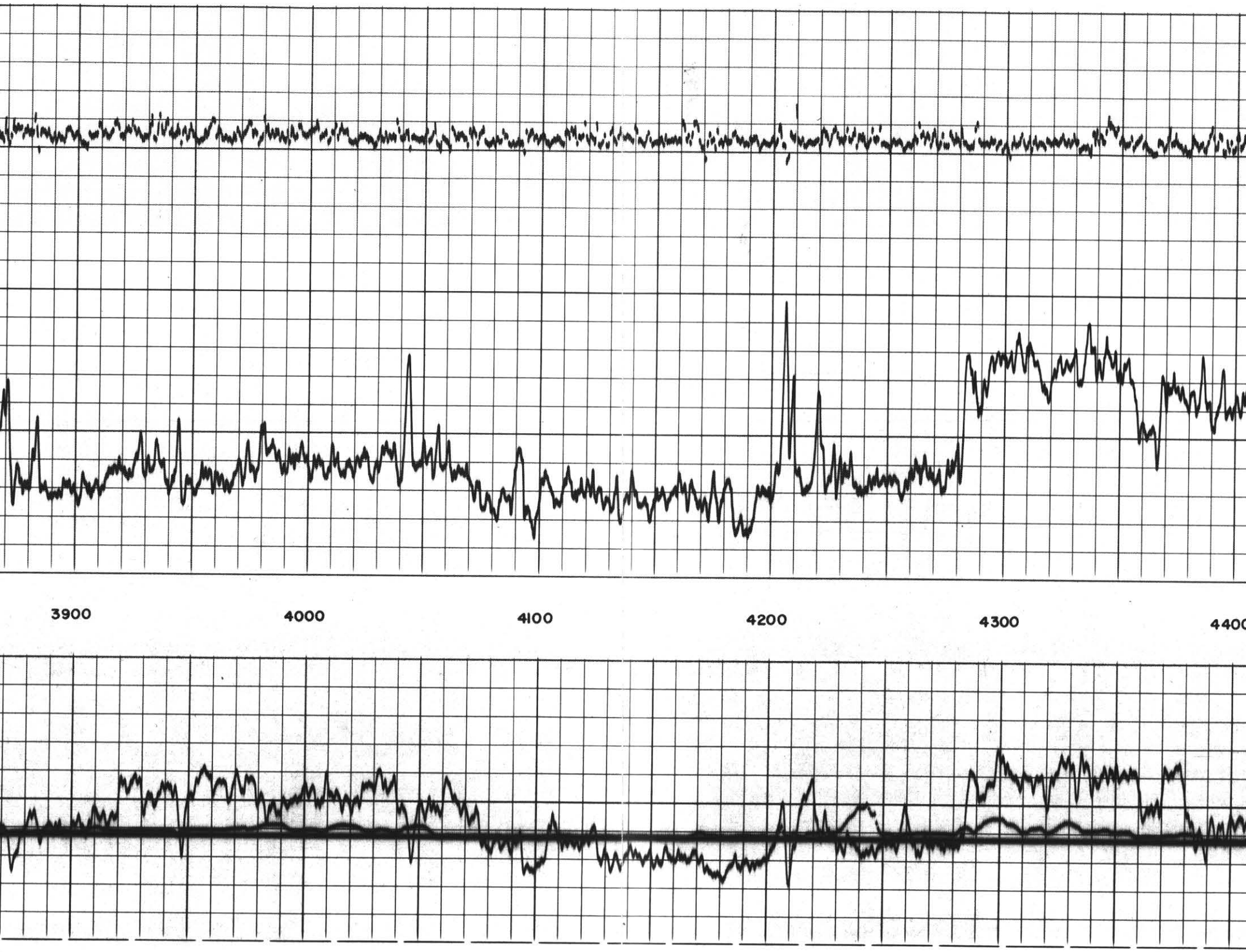
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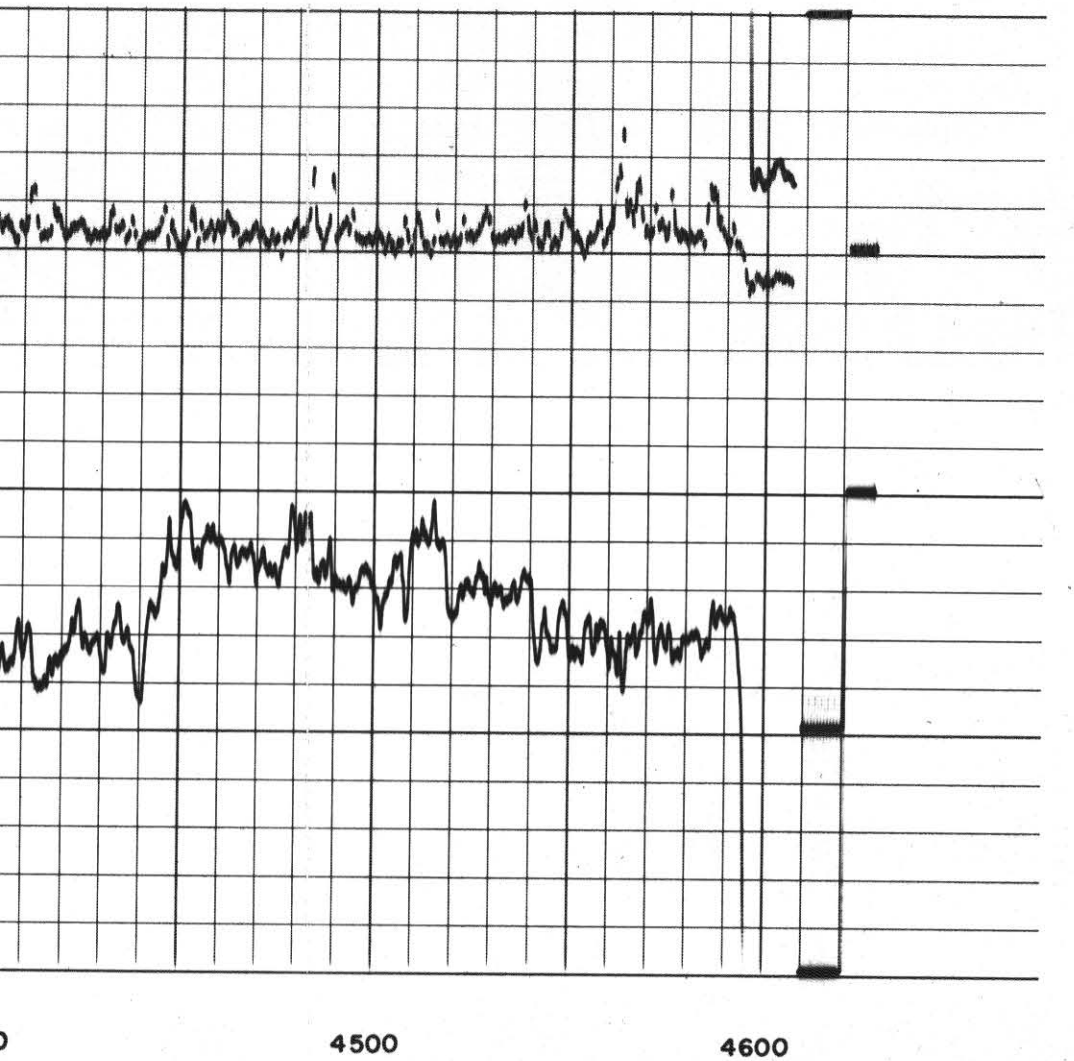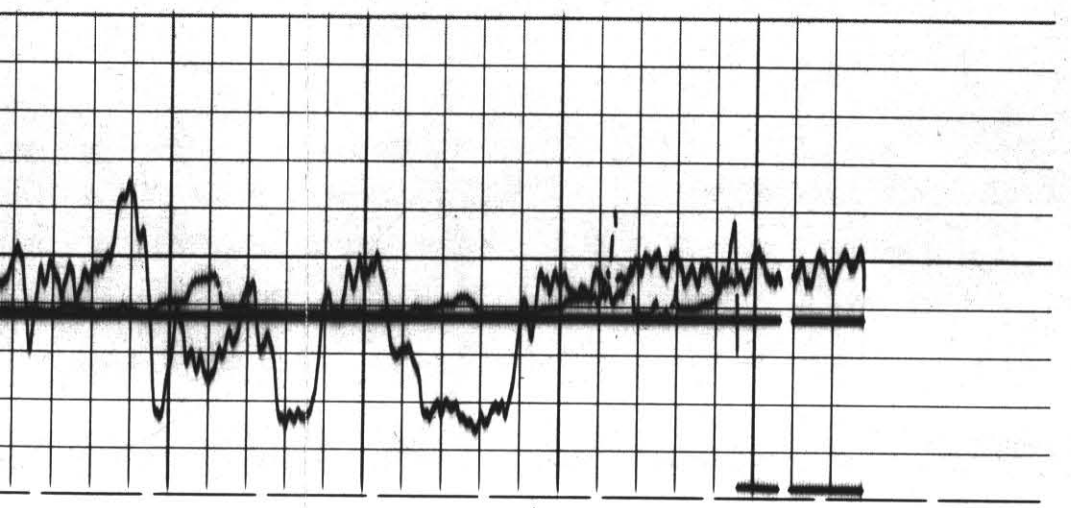
0
4500
4600