SCHLUMBERGER

COMPENSATED FORMATION DENSITY LOG

Gamma-Gamma

COUNTY
FIELD or LOCATION
WELL
COMPANY

COMPANY STANDARD OIL COMPANY OF CALIFORNIA

WELL SCHROEDER #1

FIELD BRIER - PUGET SOUND AREA

COUNTY SNOHOMISH STATE WASHINGTON

Location: 704.05'N 0°24'43" E Along WEST SEC LINE THENCE 1327.93' S 87°19'03" E of the SW Corner of Sec. 26 Twp. 27N Rge. 4E

Other Services:

Permanent Datum: GL ; Elev.: 366.17
Log Measured From DF, 19 Ft. Above Perm. Datum
Drilling Measured From DF

Elev.: K.B.
D.F. 385.17
G.L.

Date	7-4-72
Run No.	1
Type Log	GR-FDC
Depth—Driller	4252
Depth—Logger	4263
Bottom logged interval	4262
Top logged interval	1350
Type fluid in hole	LIGNOSULFONATE
Salinity, PPM Cl.	—
Density	90
Level	FULL
Max rec. temp., deg F.	116
Operating rig time	2 HR
Recorded by	ANDERSON
Witnessed by	JOHNSON

RUN No.	BORE-HOLE RECORD Bit	From	To	CASING RECORD Size	Wgt.	From	To
1	12¼	1348	4252	13⅜	68	0	1348

SWS-1381-D

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-	SFT-106 Source No.	SGH	Logging Unit	Location
1	ED 372	D601	290	E 318	2662	D 141	5106	SACTO
2								
3								

CALIBRATION DATA

Run No.	Gamma Ray API Scale	Background CPS	FDC — Before Log — ACPS P1	FDC — After Log — ACPS P1	FDC — After Log — ACPS P2	Total CPS
1	100	20	744	424	224	360
2						
3						

LOGGING DATA

Run No.	General Depths From	To	Tc	Speed Ft./Min.	Gamma Ray API Scale	FDC Selectors Liquid Density	Grain Density	Hole Fluid	Porosity Scale
1	1350	4262	2	30	100	1.0	2.65	Liquid	60-30-0

MUD DATA

Run No.	Rm. @ °F	% Solids by Vol.	% Oil by Vol.	% Water by Vol.	Viscosity, Sec/Qt @ °F	Solids, Av. Sp. Gr.
1	0.72 @ 102 °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.

CALIPER
HOLE DIAM. IN INCHES

6" — 16"

DEPTHS

GAMMA RAY
API UNITS

0 — 100

100 — 200

CORRECTION
GRAMS/CC.

−.25 — 0 — +.25

BULK DENSITY
GRAMS/CC.

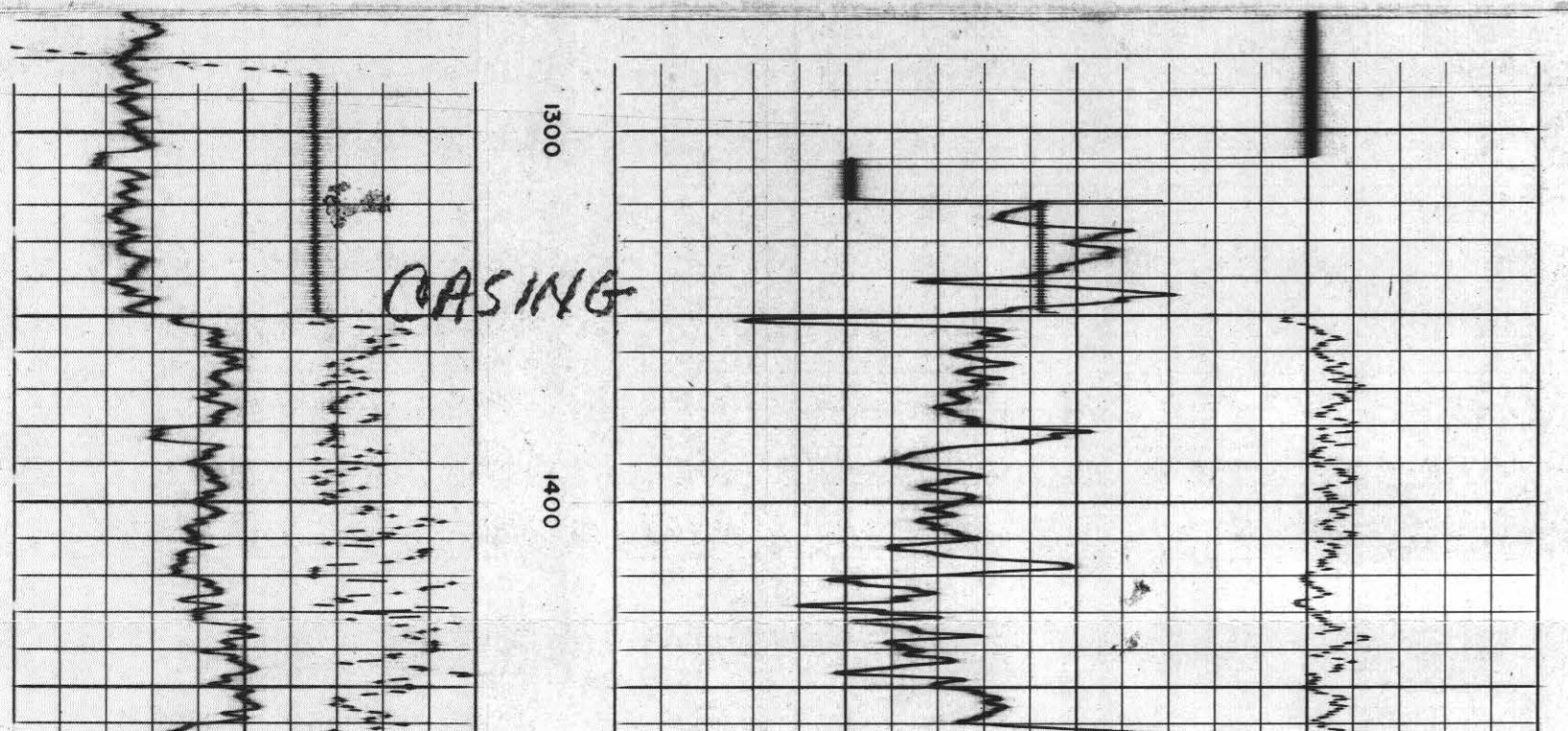
2.0 — 2.5 — 3.0

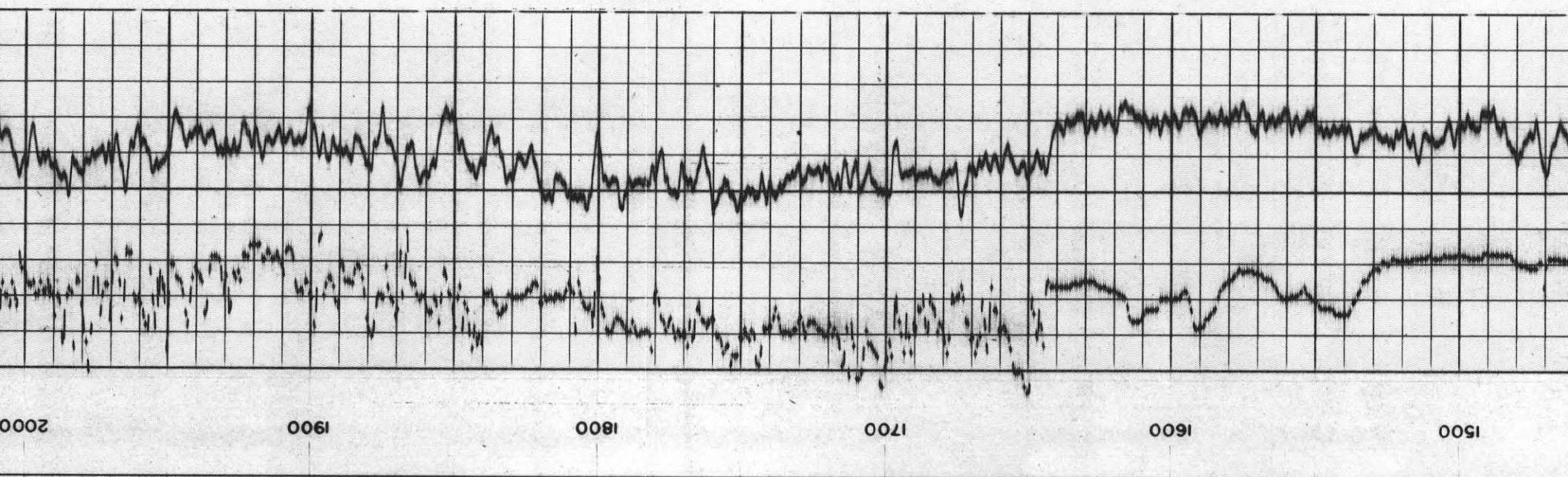
FDC SANDSTONE POROSITY

36% — 6%

36% — 6%

CNL SANDSTONE POROSITY

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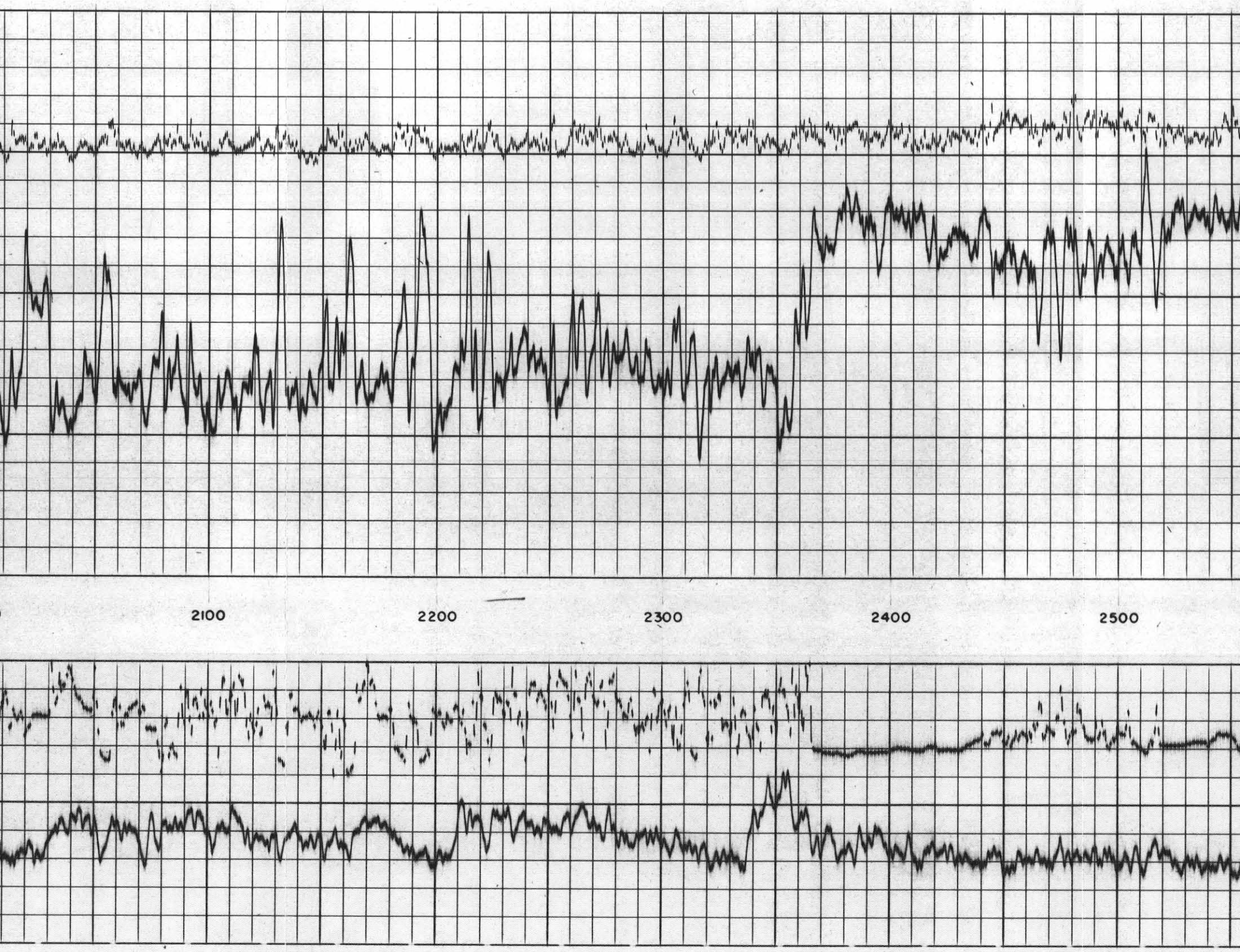
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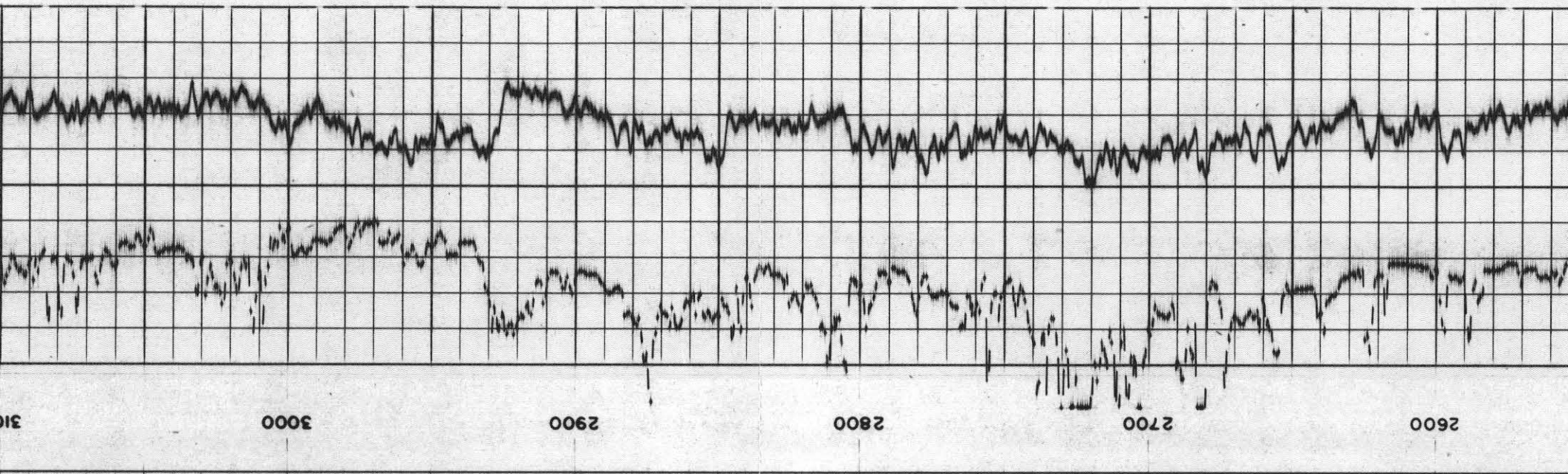
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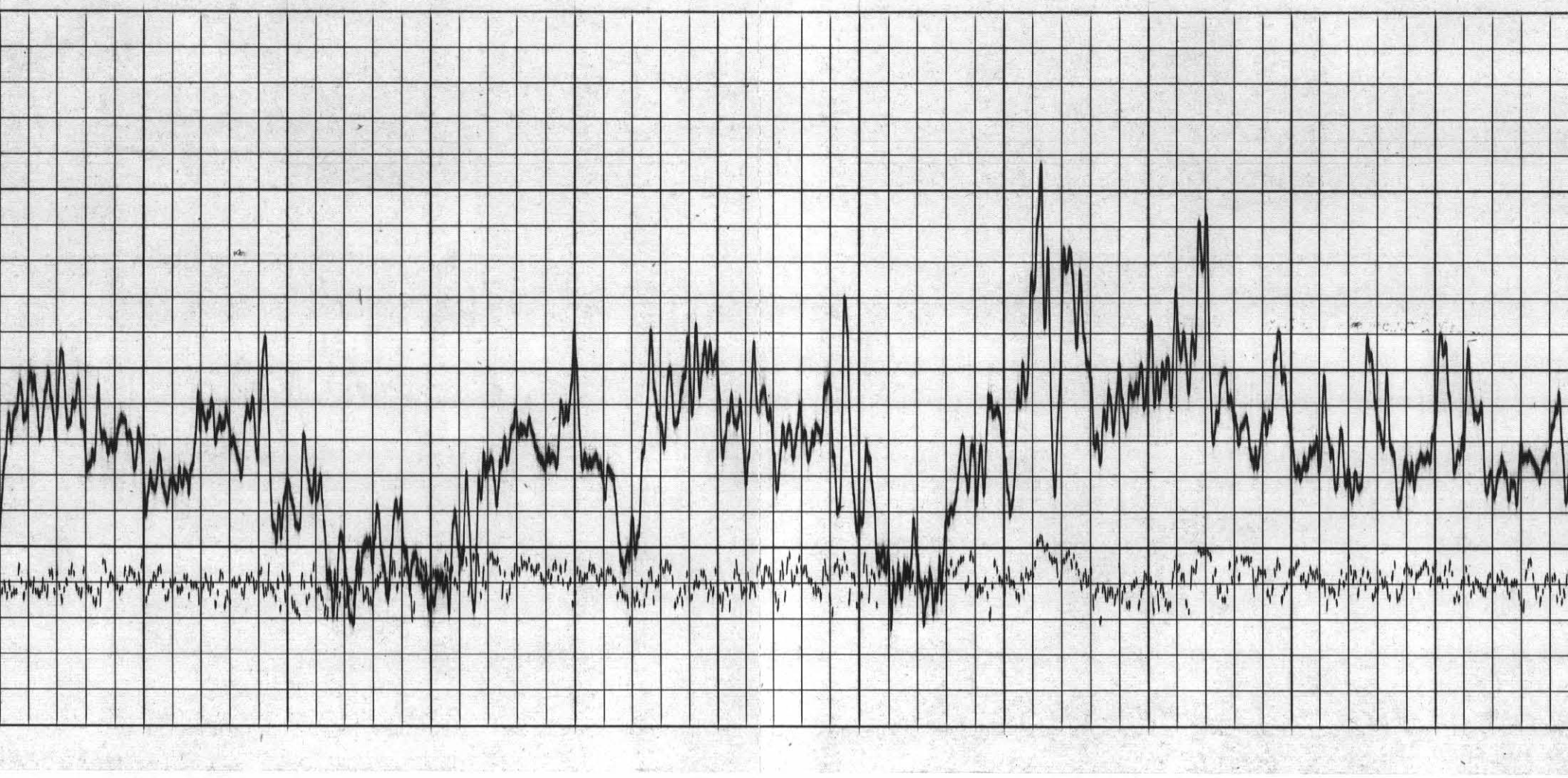

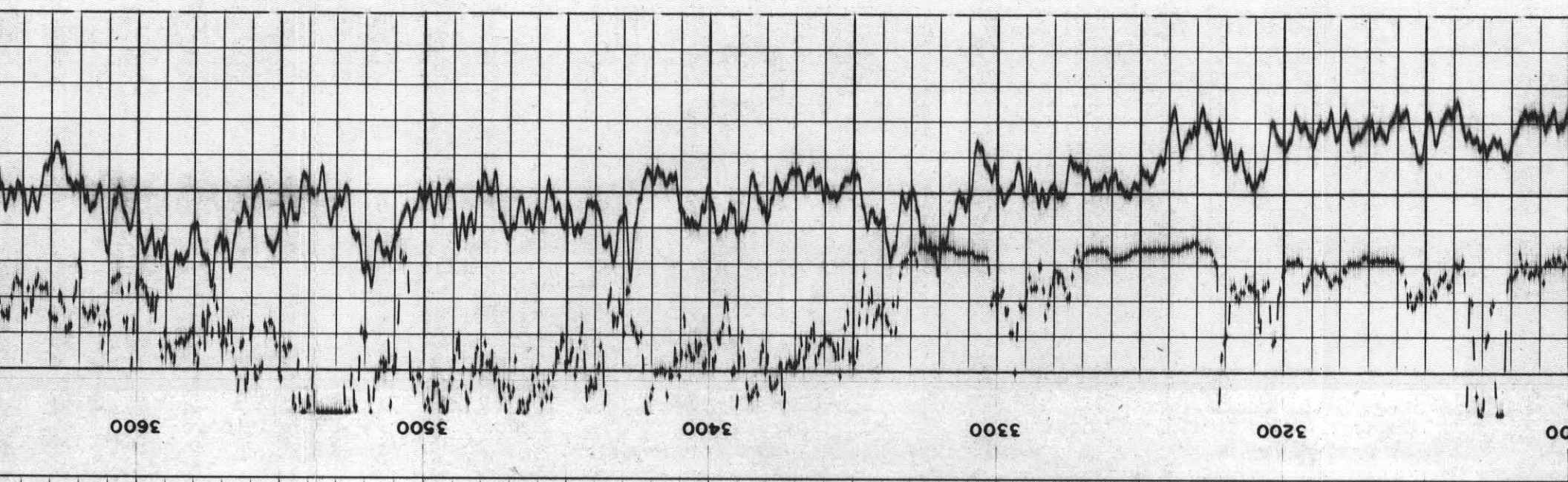
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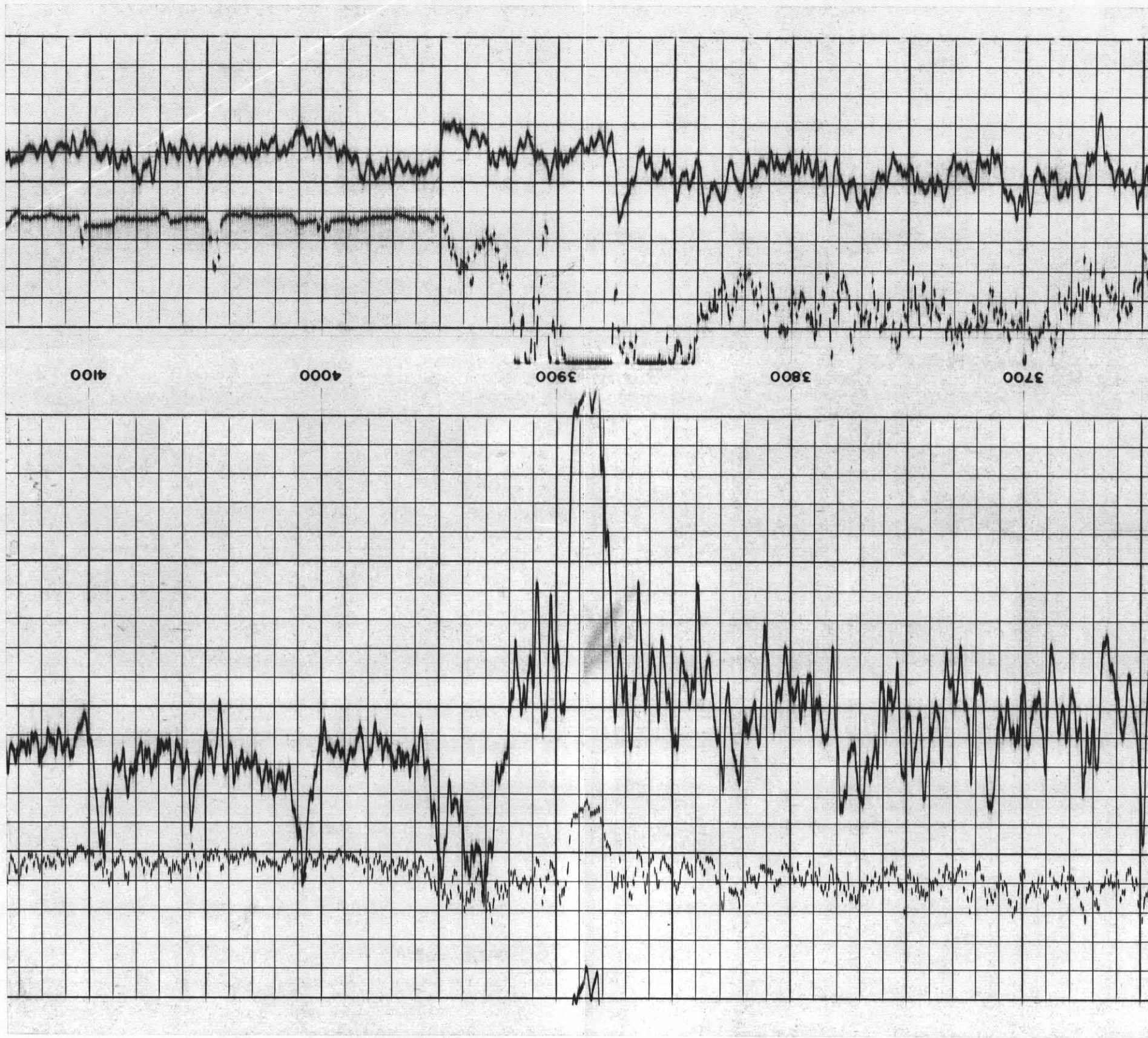
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