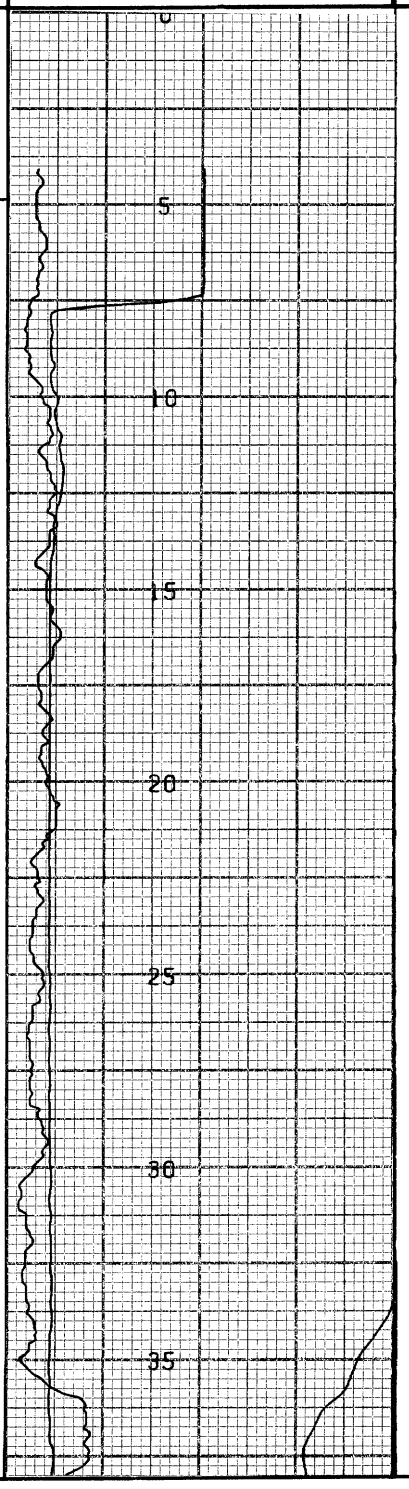
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. HC-01

PROJECT Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 5
CLIENT Betz, Converse, Murdoch, Inc.	PROJ. NO. 80-07203-01
CONTRACTOR Warren George, Inc.	ELEVATION 15.0'±
	DATUM Nat'l Geodedic
	DATE START 2/14/81
	DATE FINISH 2/17/81
	DRILLER B. Muh
	CWDD REP. R.E.S.

GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE
DATE	TIME	DEPTH	CASING	TYPE	Mud	S.S.		
				DIA.		2"		
				WT.		140#		
				FALL		30"		

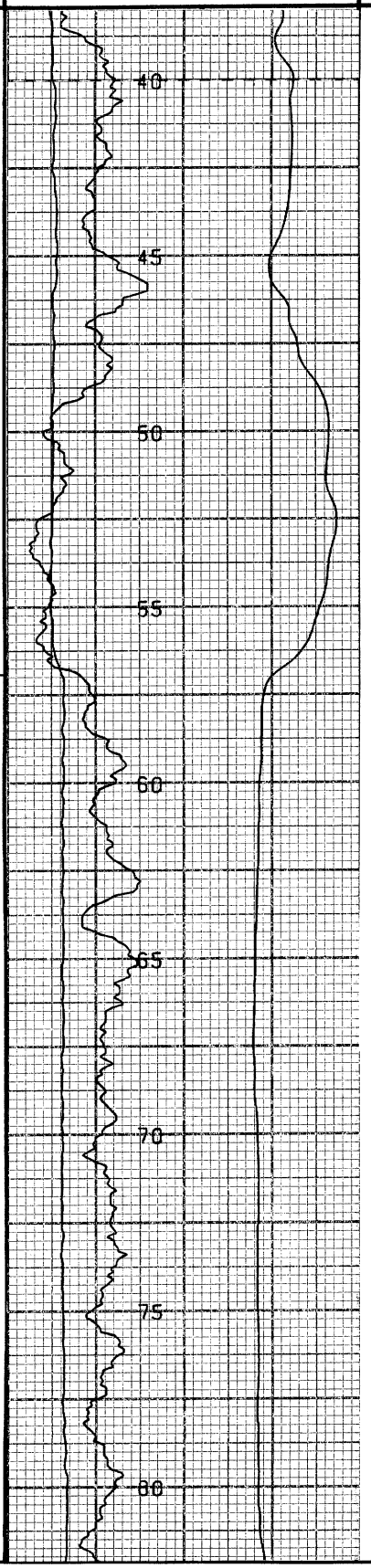
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2, 4					Brown silty fine to medium Sand, trace roots (SM) 5.0		
6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38					Brown to gray silty fine to coarse Sand, intercalated layers of sandy silt (SP)		



FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. HC-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 5
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

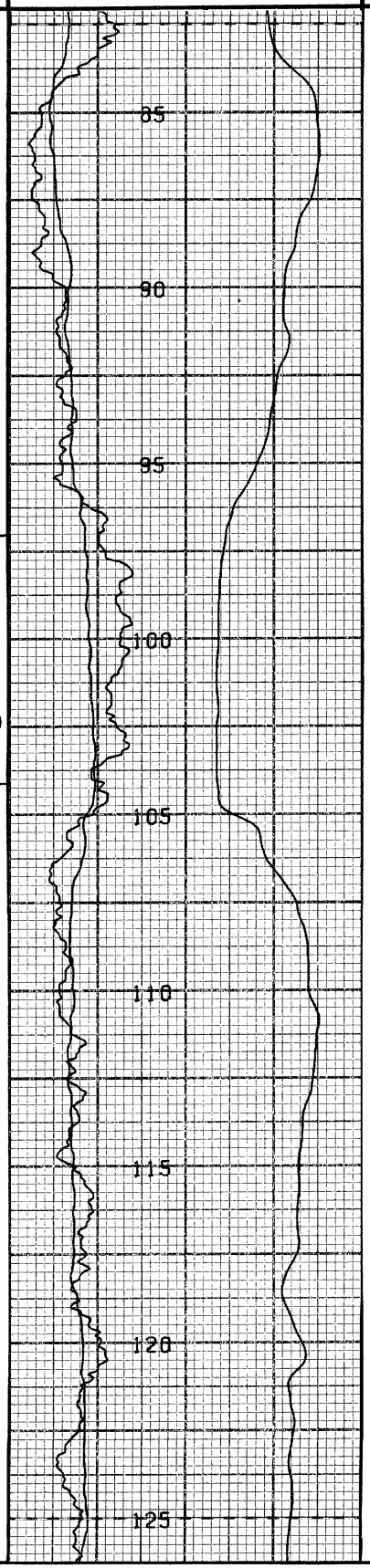
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
40							
42							
44							
46							
48							
50							
52							
54					Brown to gray silty fine to coarse Sand, inercalated layers of sandy silt (SP) 57.0		
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78					Gray to grayish green clayey silt, intercalated layers of fine Sand, trace mica, shells (MH) 83.0		
80							
82							

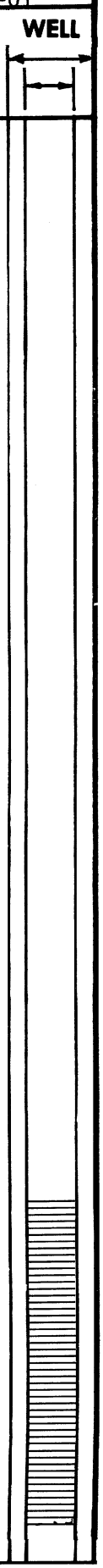


FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. HC-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 5
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
84					
86					
88					
90					
92					
94					Grayish green silty fine to medium Sand, little shells (SP) 97.0
96					
98					
100					
102					Gray clayey silt, trace mica, trace shells 104.0
104					
106					
108					
110					
112					
114					
116					
118					
120					
122					
124					
126					





FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

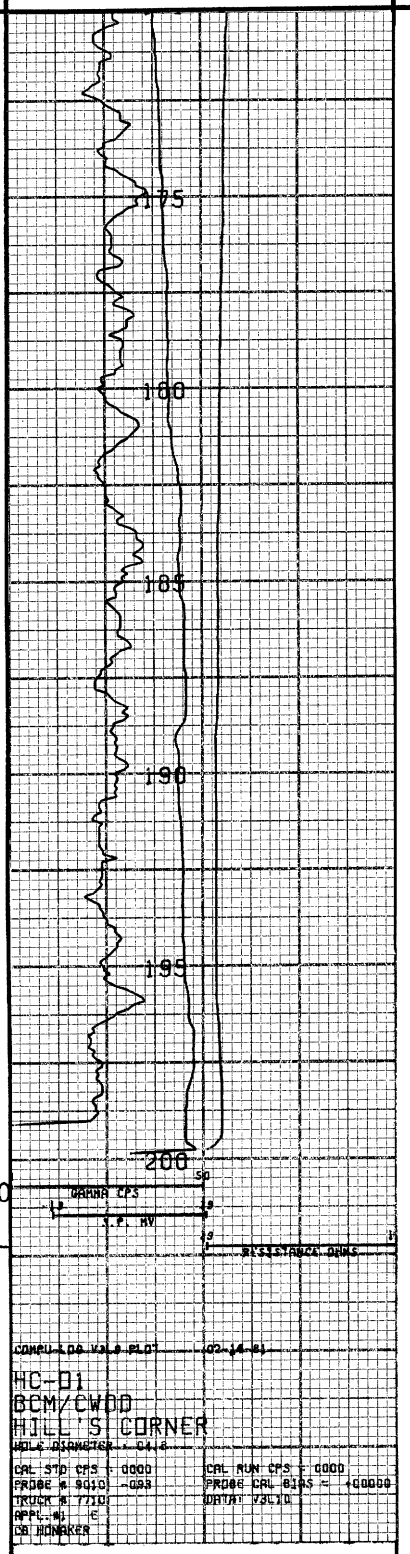
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. HC-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 5
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
128							
130						130	
132							
134						135	
136							
138							
140						140	
142							
144						145	
146							
148					Greenish gray silty fine to medium Sand, clayey downward, little shells (SM)		
150						150	
152					155.0		
154							
156						155	
158					Gray clayey medium Sand 160.0		
160						160	
162							
164						165	
166							
168							
170						170	

FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. HC-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 5 OF 5
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
172							
174							
176							
178							
180							
182							
184							
186							
188							
190							
192							
194							
196							
198							
200					Gray clayey silt, intercalated layers of fine Sand, trace shells (MH)		
202.0							
202							
204							
206							
208							
210							
212							
214							



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CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
HC-01	16 FEB 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: HC-01

AREA: HILL'S CORNER

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	200'	BIT SIZE	4 3/4"
TOTAL DEPTH — LOGGER	200'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	200'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	23.2 @62°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1342		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1406		TP 7-TK3	

REMARKS:

EQUIPMENT DATA

		9010	9030	9050/55	9060
PROBE MODEL		9010	9030	9050/55	9060
PROBE DIAMETER		1.87"	2.0"	1.87"	1.4"
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI	NaI	NaI
	DETECTOR SIZE	.875" x 1.25"	1.125" x 4.5"	.875" x 4.0"	.5" x 3.0"
	STD. K-FACTOR	1.59×10^{-5}	—	$.558 \times 10^{-5}$	1.62×10^{-5}
	STD. DEADTIME	1 μsec	—	1.18 μsec	1 μsec
	CALIB. MODEL LOC.		—		
	CALIB DATE		—		
	K-FACTOR $\times 10^{-5}$		—		
	DEADTIME μsec		—		
	TEST READING		—		
	WATER FACTOR		—		
	CASING FACTOR		—		
DENSITY	DETECTOR TYPE	—	NaI	—	NaI
	DETECTOR SIZE	—	.5" x 1.5"	—	.5" x 3.0"
	SOURCE TYPE	—	Cs^{137}	—	Cs^{137}
	SOURCE NO.	—		—	
	SOURCE STRENGTH	—		—	
	SOURCE SPACING	—		—	
NEUTRON	DETECTOR TYPE	—	—	He^3	—
	DETECTOR SIZE	—	—	1.0" x 6.0"	—
	SOURCE TYPE	—	—	AmBe	—
	SOURCE NO.	—	—		—
	SOURCE STRENGTH	—	—		—
	SOURCE SPACING	—	—		—
SNGL. PT RESISTANCE		1.4"D x 2.5"L	—	1.4"D x 2.5"L	1.1"D x 2.5"L
RESISTIVITY		—	6" FOCUSED	—	—
SELF POTENTIAL		YES	—	YES	YES
TEMPERATURE		—	—	YES	—
DEVIATION		—	—	NO / YES	—
CALIPER		—	YES	—	—

CT-112 REV. 2/11/80

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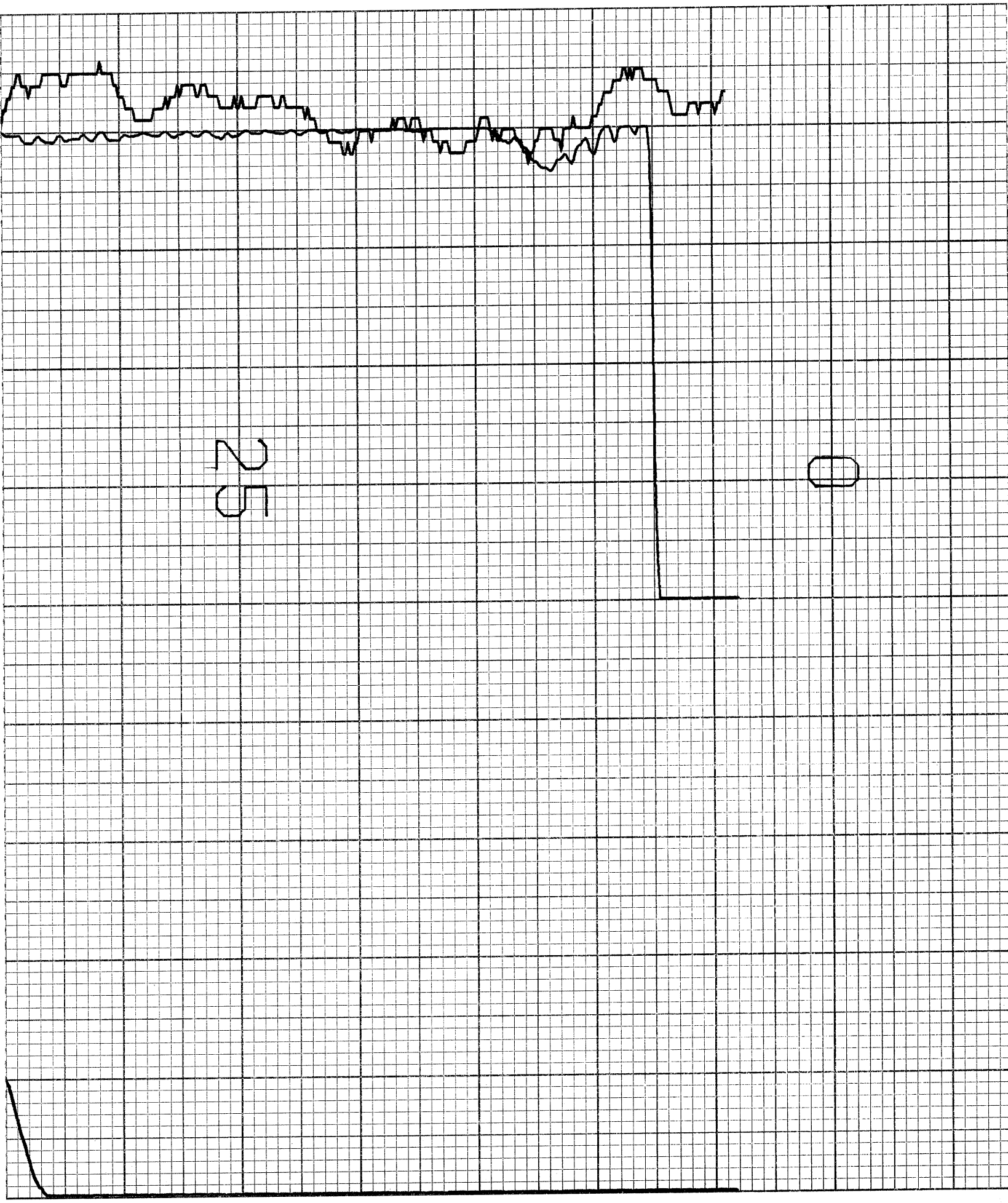

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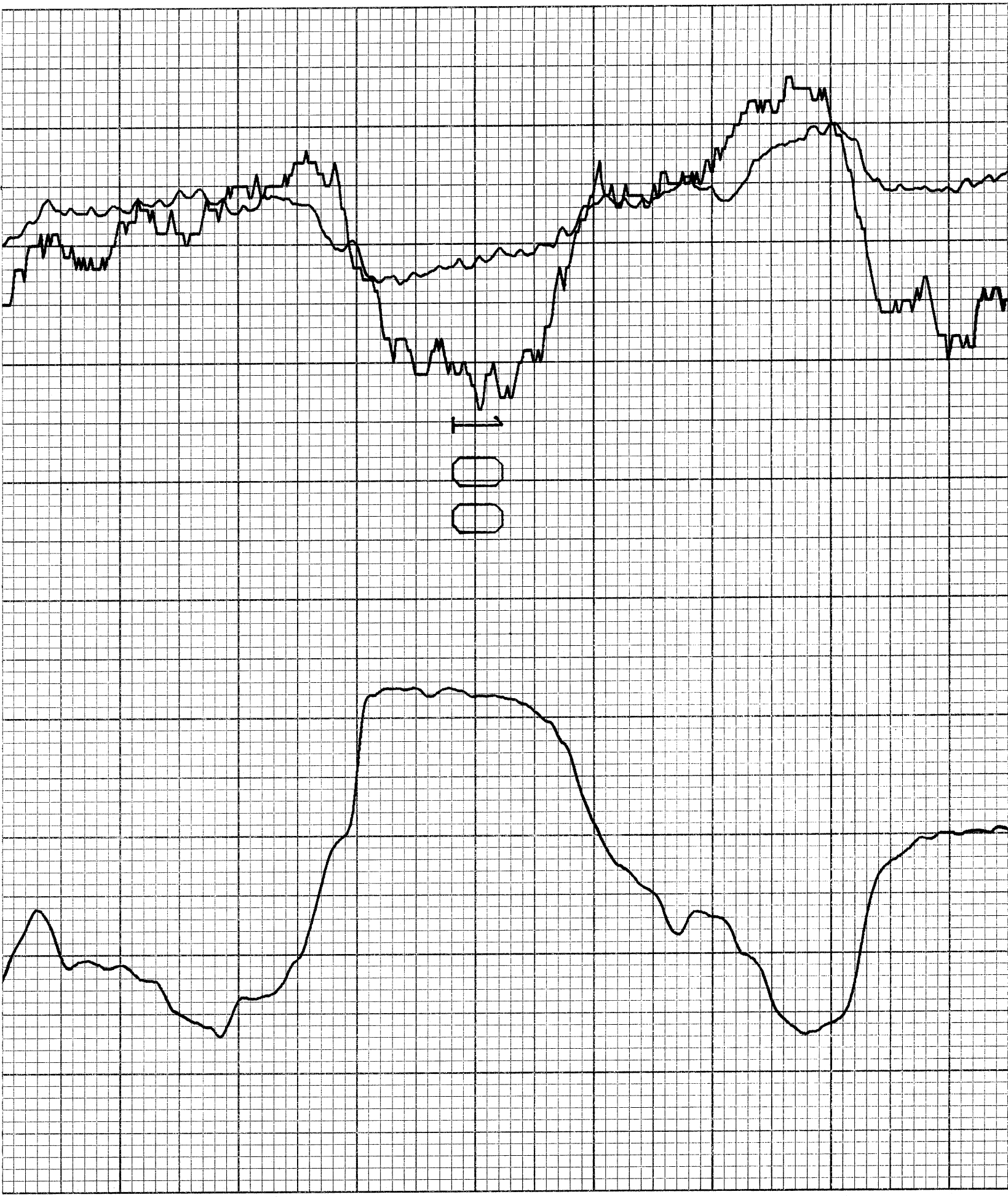

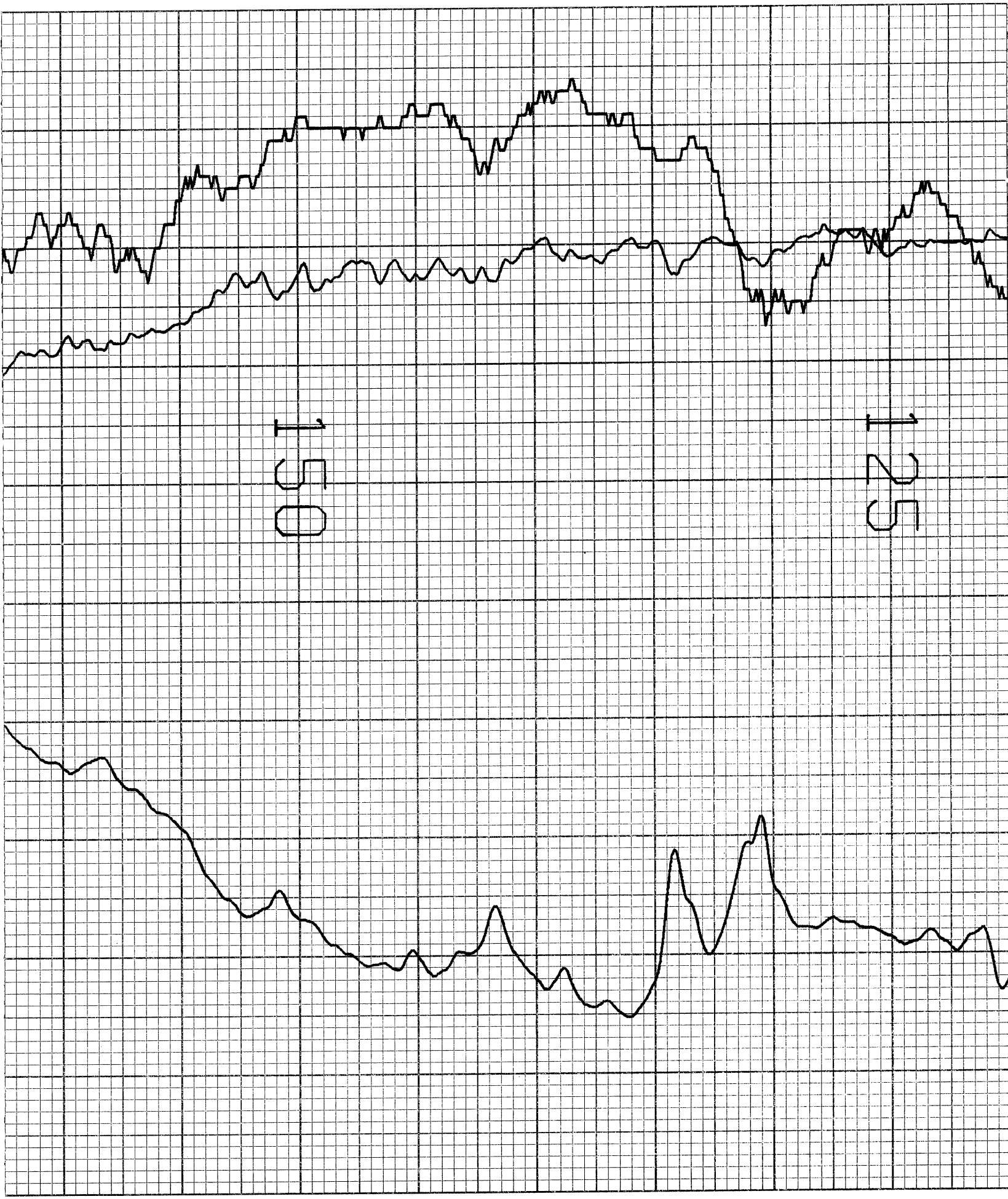

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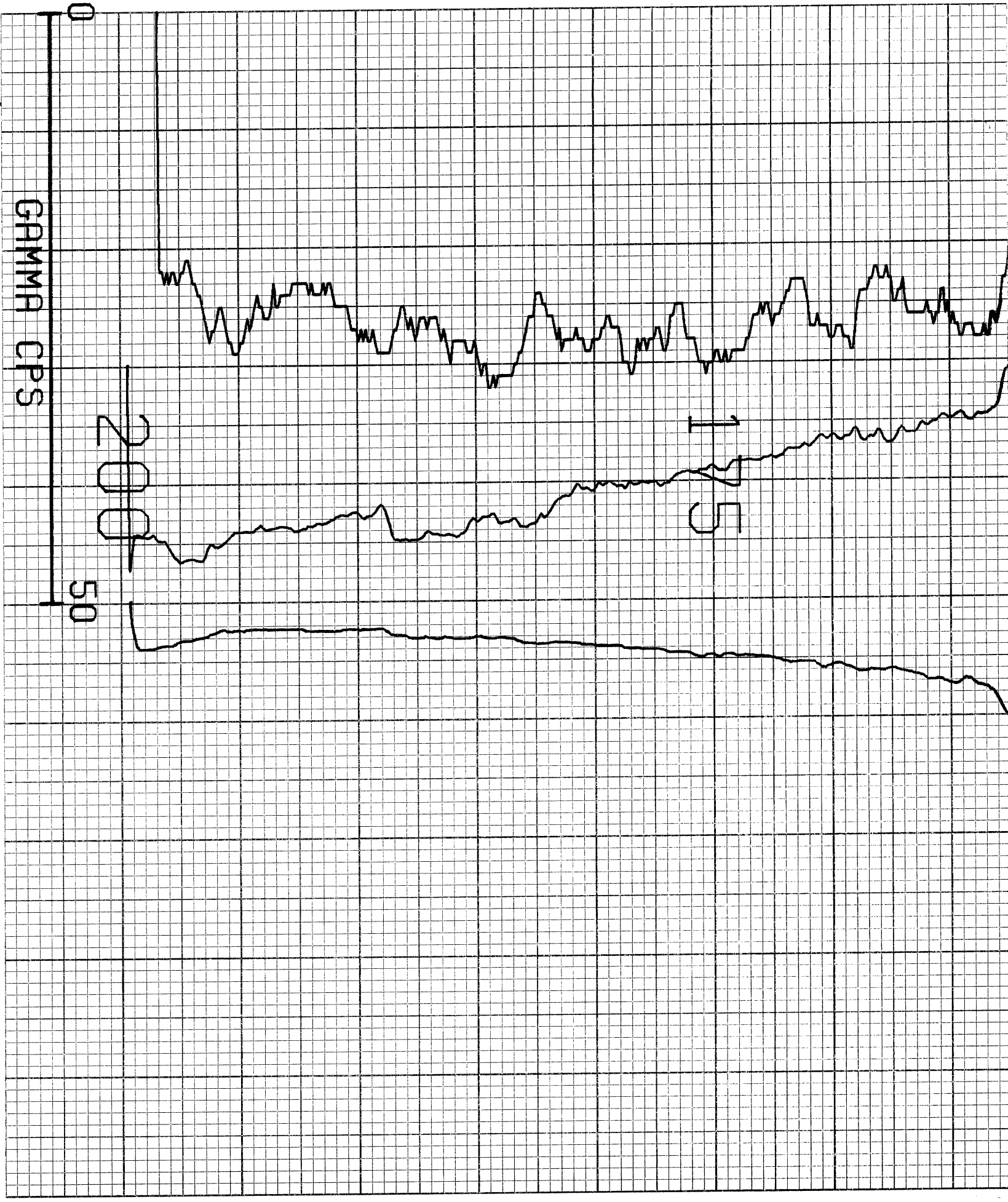

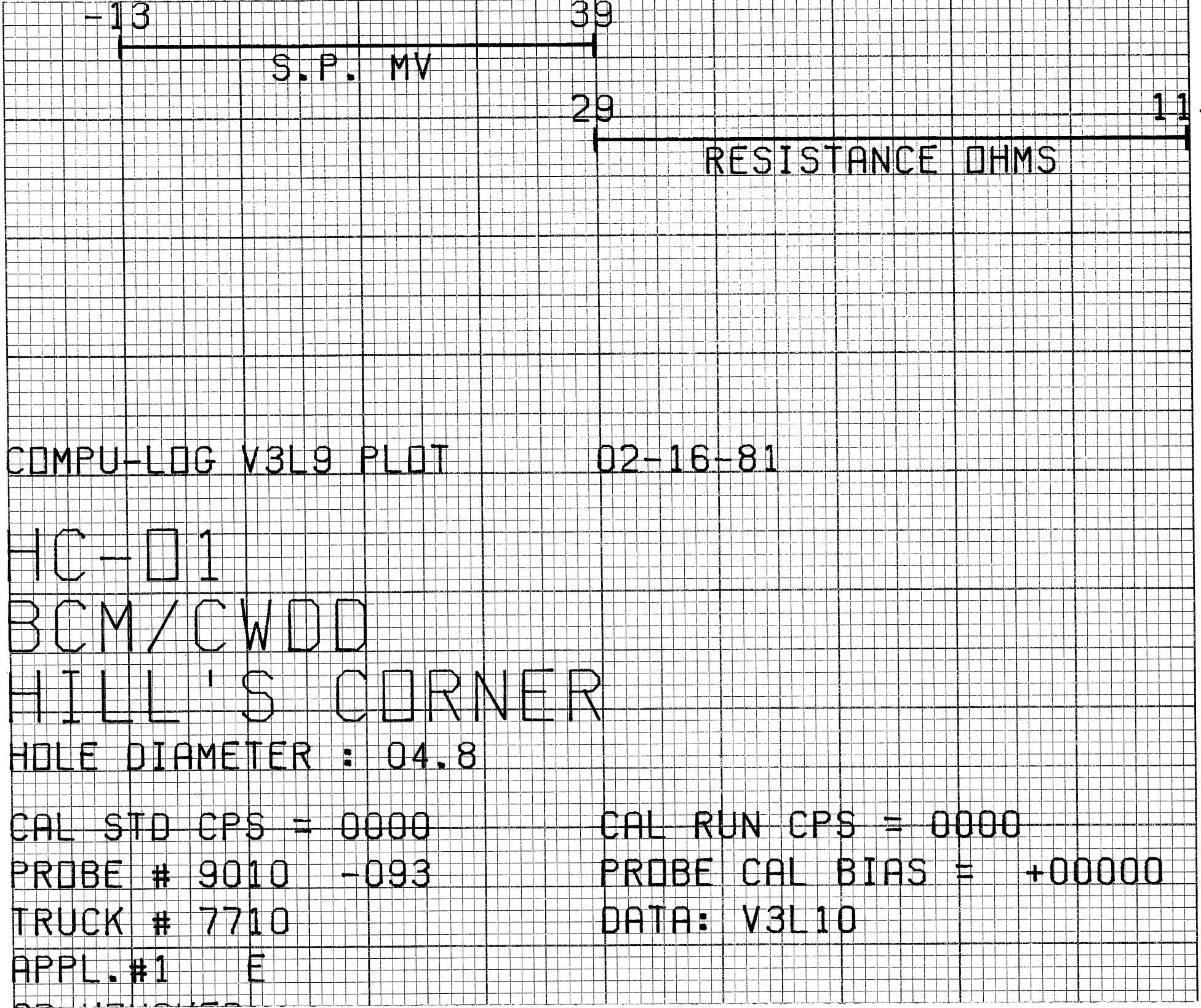

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