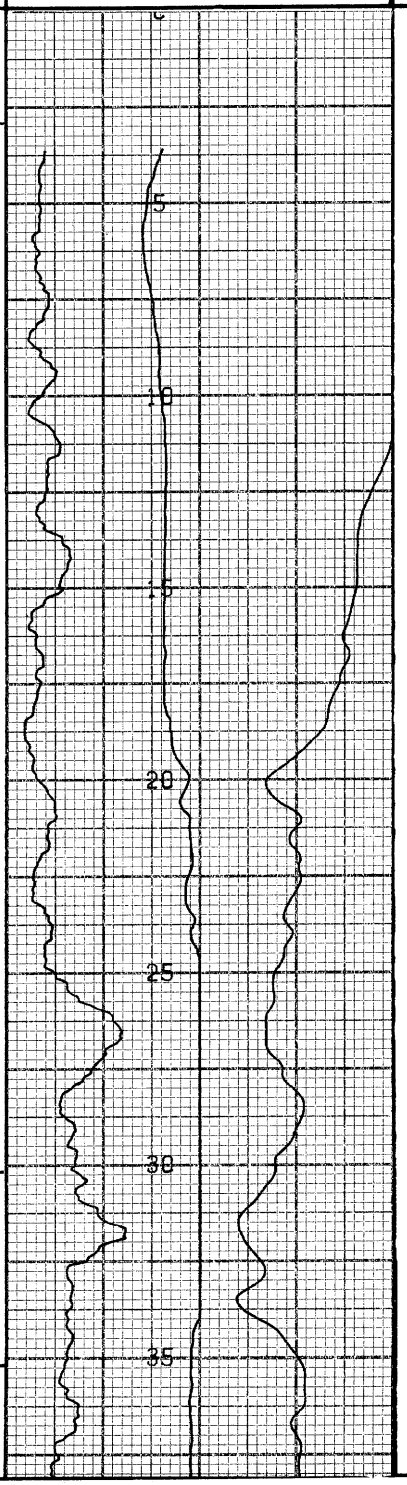
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-03

PROJECT	Virginia Beach Groundwater Development Project (Phase I)								SHT. NO. 1 OF 4
CLIENT	Betz Converse Murdoch, Inc.								PROJ. NO. 80-07203-01
CONTRACTOR	A. C. Schultes and Sons, Inc.								ELEVATION 8.8
GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE	DATUM City of V.B.
DATE	TIME	DEPTH	CASING	TYPE	MUD	S.S.			DATE START 2/26/81
		5.0		DIA.		2"			DATE FINISH 2/26/81
				WT.		140#			DRILLER J. Kramer
				FALL		30"			CWDD REP. R. Landle

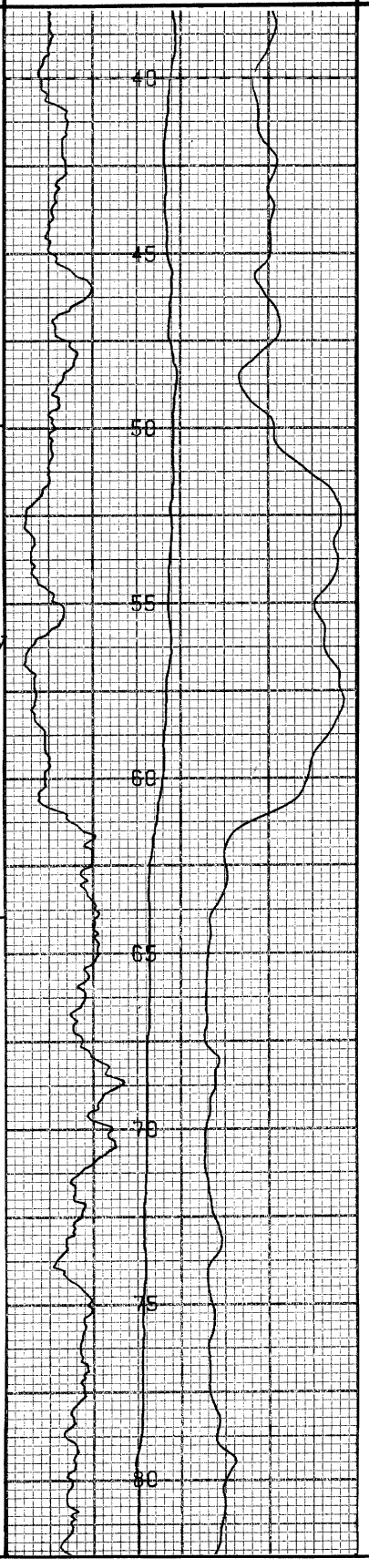
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2					Grayish brown sandy Clay (CL) 3.0'		
4							
6							
8							
10							
12					Light gray to dark gray coarse to fine Sand, silty upward, clayey downward (SP)		
14							
16							
18							
20							
22							
24							
26							
28							
30					30.0'		
32					Bluish gray Clay, trace shells, mica (CH)		
34							
36					35.0'		
38							



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. WO-03
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 4
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					Dark gray clayey fine Sand, trace shells, mica (SC)		
42							
44							
46							
48							
50					50.0'		
52					Greenish gray silty coarse to fine Sand, clayey upward, silty downward (SP)		
54							
56							
58							
60							
62							
64					64.0'		
66					Grayish green sandy Silt, trace shells, trace mica (ML)		
68							
70							
72							
74							
76							
78							
80							
82							



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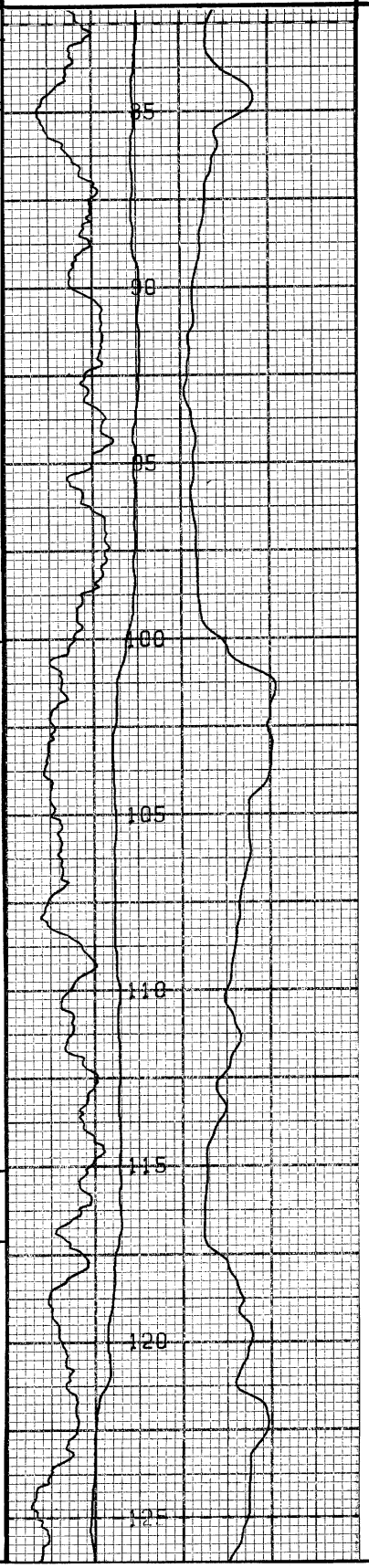
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. W0-03
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 4
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
					83.0'		
84					Grayish green silty fine Sand (SM) 85.0'		
86							
88							
90					Grayish green clayey Silt, trace mica, trace shells (MH)		
92							
94							
96							
98							
100					100.0'		
102					Grayish green silty coarse to fine Sand (SM)		
104							
106							
108							
110							
112							
114					115.0'		
116					Grayish green sandy Silt (ML) 117.0'		
118							
120					Grayish green clayey fine Sand, trace shells (SC)		
122							
124							
126							



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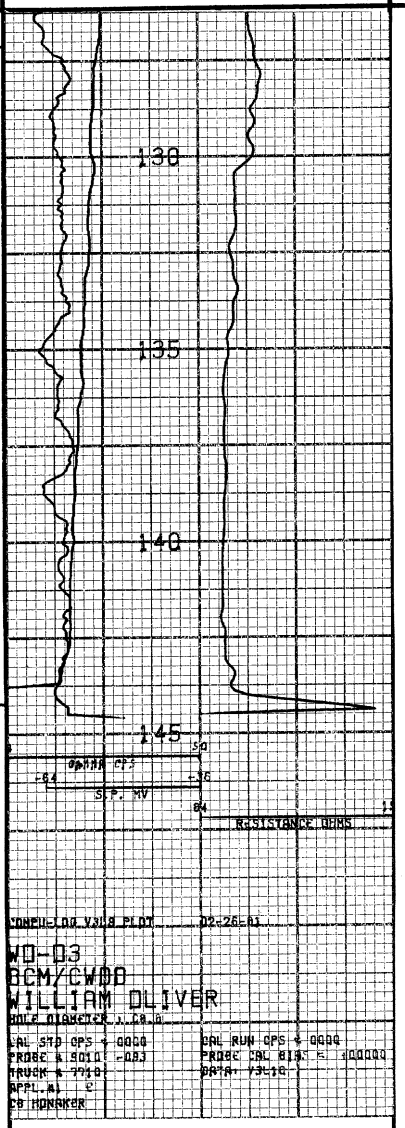
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-03
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 4
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
					127.0'		
128							
130							
132					Grayish green Silt, trace shells, intercalated layers of silty fine Sand (MH)		
134							
136							
138							
140							
142							
144					144.0'		



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CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
WO-03	26 FEB 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: WO-03

AREA: WILLIAM OLIVER

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	140'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	145'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	145'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	27.0 @ 54°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1100		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1148		TP 12-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 x 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	—	—

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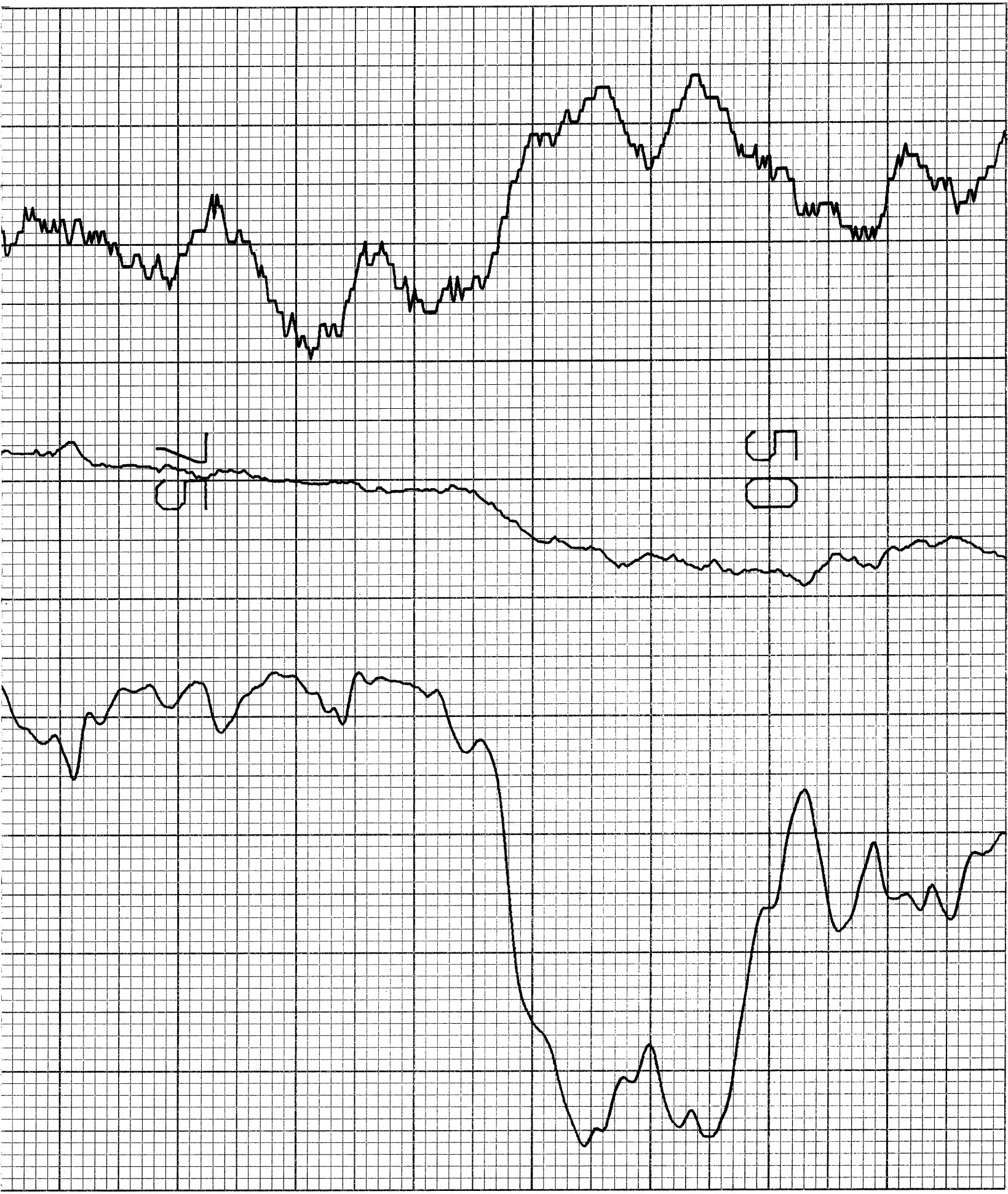

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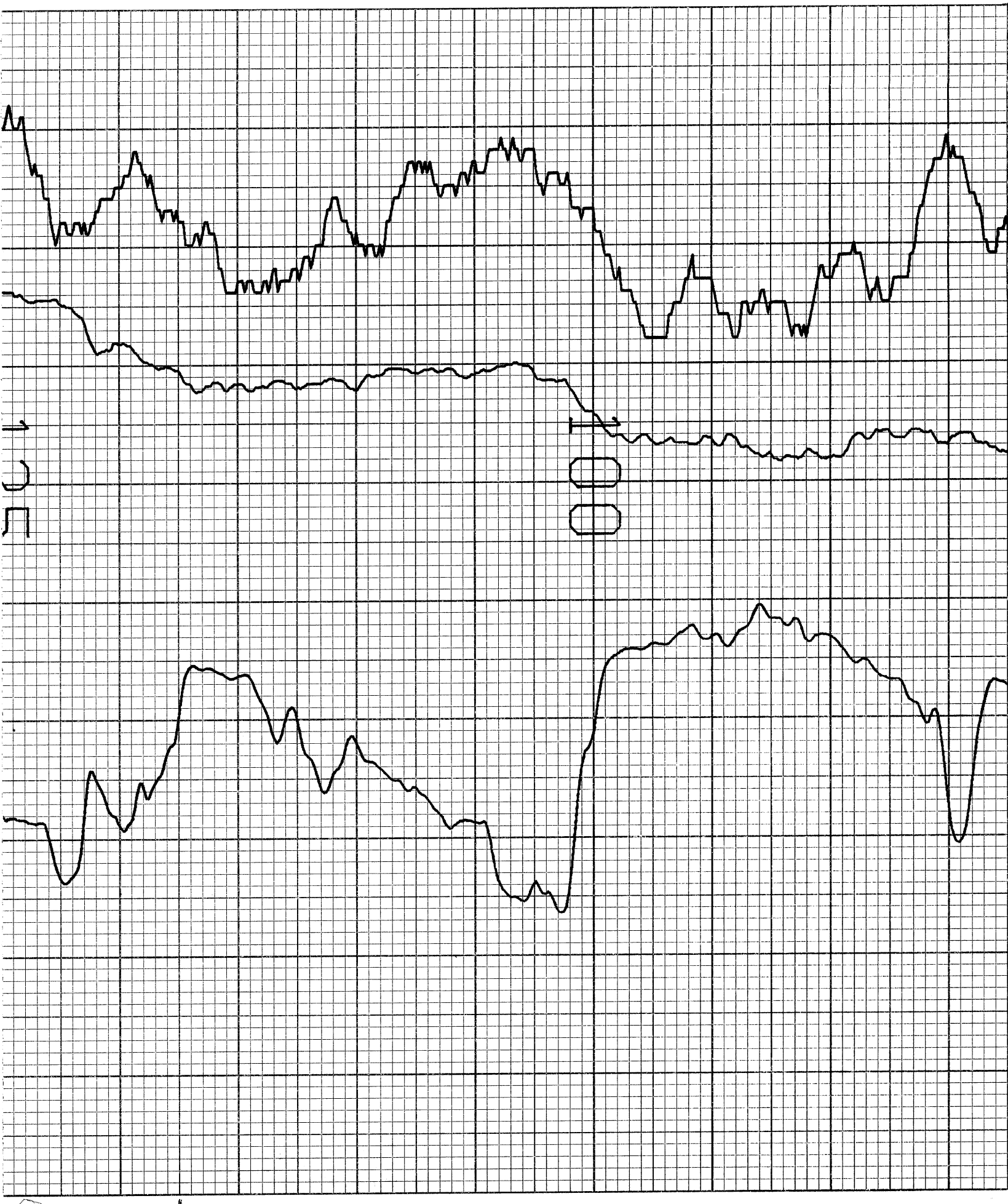

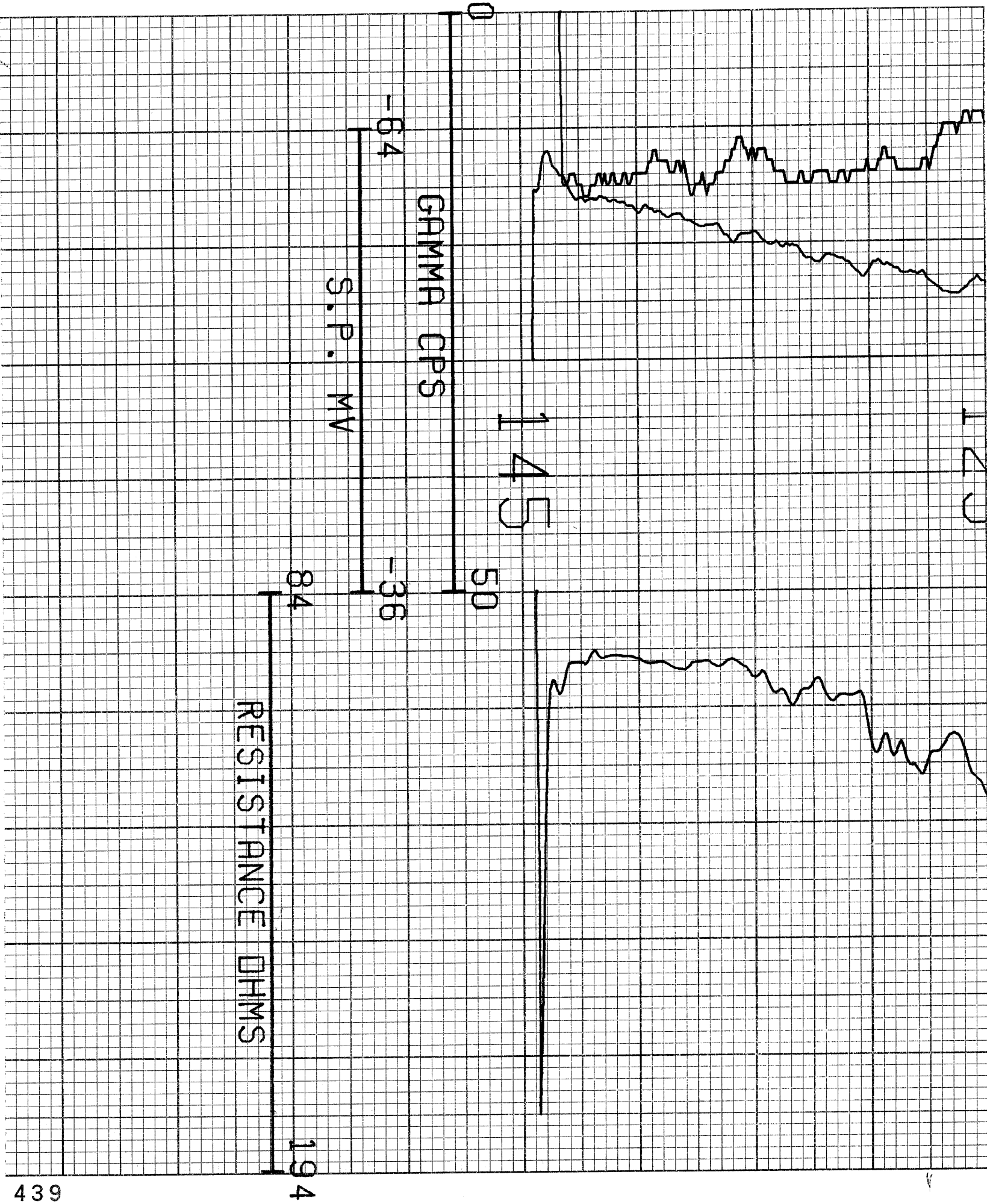
0
GAMMA CPS
50
-64
S.P. MV
-36
84
RESISTANCE OHMS
16
4
45

COMPU-LOG V3L9 PLOT 02-26-81

WO-03

BCM/CWDD

WILLIAM OLIVER

HOLE DIAMETER : 08.8

CAL STD CPS = 0000 CAL RUN CPS = 0000

PROBE # 9010 -093 PROBE CAL BIAS = +00000

TRUCK # 7710 DATA: V3L10

APPL.#1 E

CB HONAKER

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