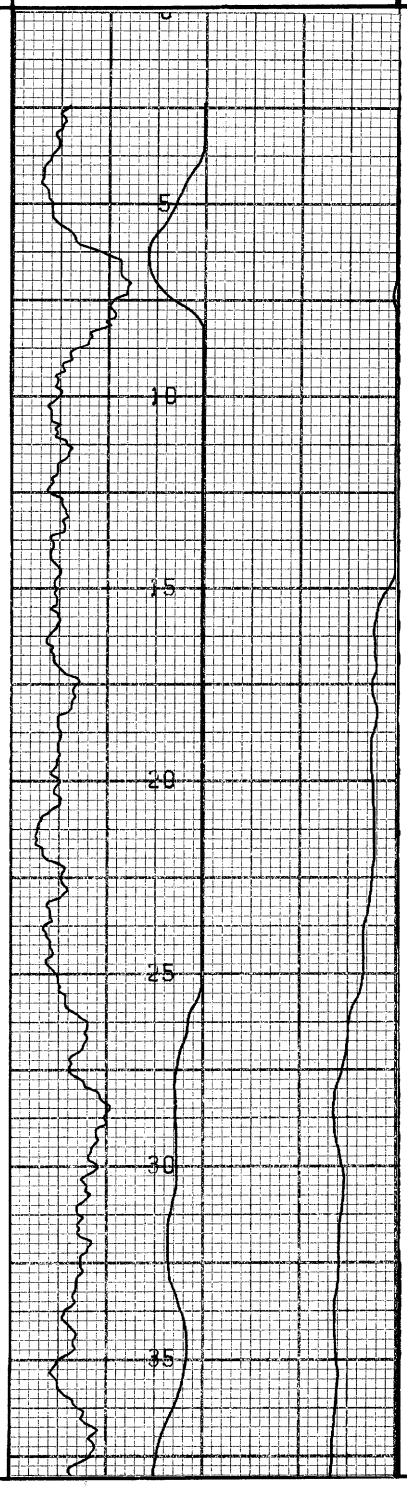
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-M1

PROJECT	Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 6	
CLIENT	Betz Converse Murdoch, Inc.	PROJ. NO. 80-07203-01	
CONTRACTOR	A. C. Schultes and Sons, Inc.	ELEVATION 10.9	
GROUND WATER		DATUM City of V.B.	
DATE	TIME	DEPTH	CASING

Boring	CAS.	SAMP.	CORE	TUBE
TYPE	REVERT	S.S.		
DIA.		2"		
WT.		140#		
FALL		30"		

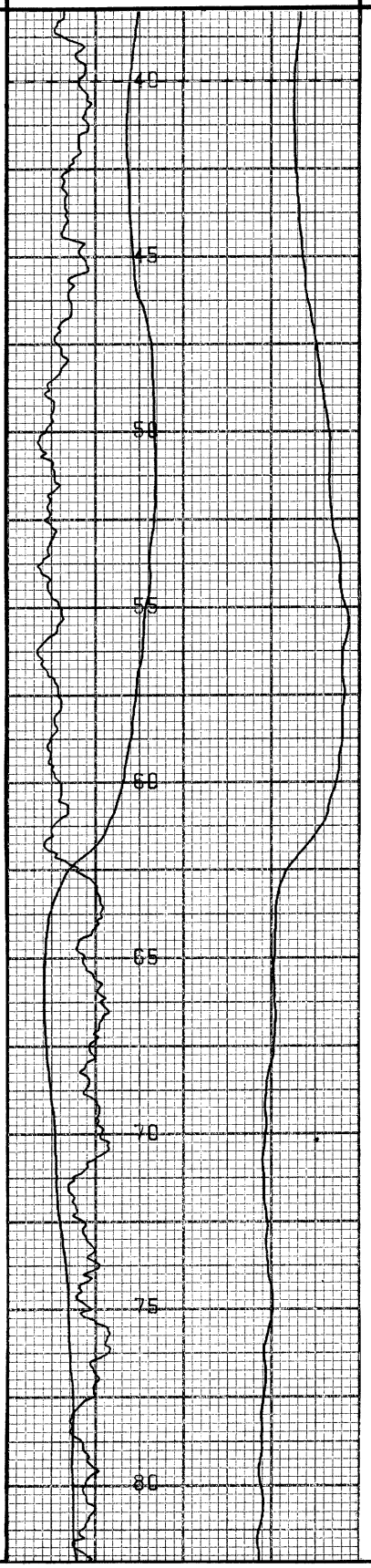
DATE START	3/06/81
DATE FINISH	3/08/81
DRILLER	E. Kelly
CWDD REP.	S. Oppenheimer

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2					No samples taken Interpretation of E-log only		
4							
6							
8							
10							
12							
14							
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
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-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 6
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

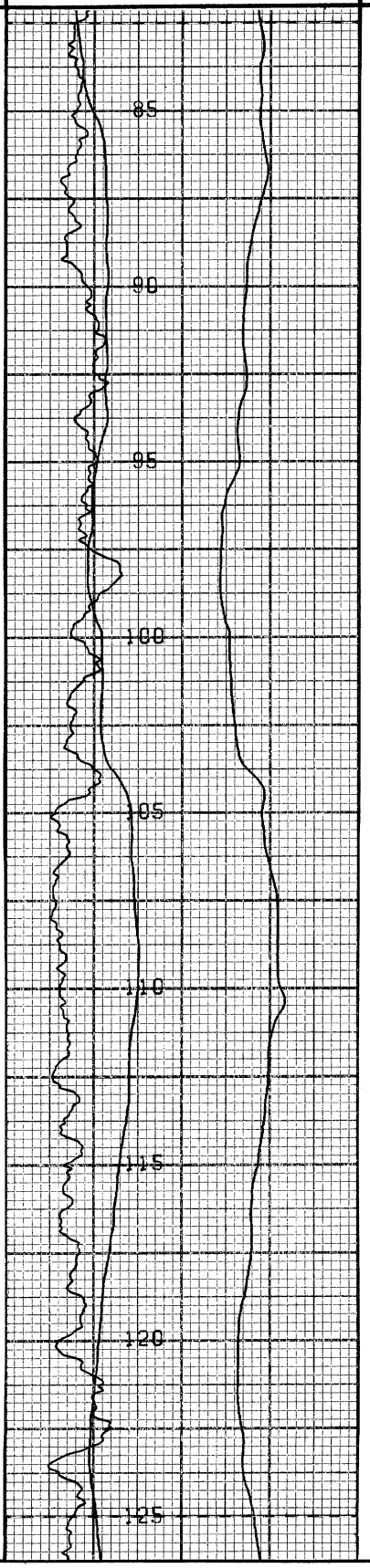
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
40							
42							
44							
46							
48							
50							
52							
54							
56							
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							
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. WO-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 6
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
84							
86							
88							
90							
92							
94							
96							
98							
100							
102							
104							
106							
108							
110							
112							
114							
116							
118							
120							
122							
124							
126							



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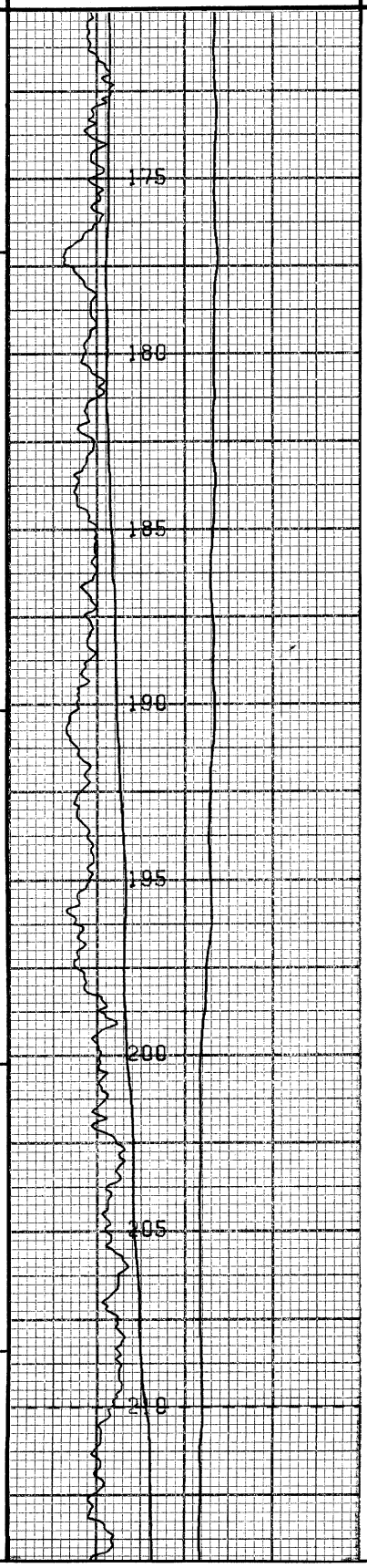
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 6
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
128							
130					130.0'	130	
132							
134							
136					Light gray silty coarse to fine Sand and shells (SP)	135	
138							
140						140	
142							
144							
146						145	
					147.0'		
148							
150						150	
152							
154						155	
156					Gray green clayey fine Sand and shells (SC)		
158							
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. WO-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 5 OF 6
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

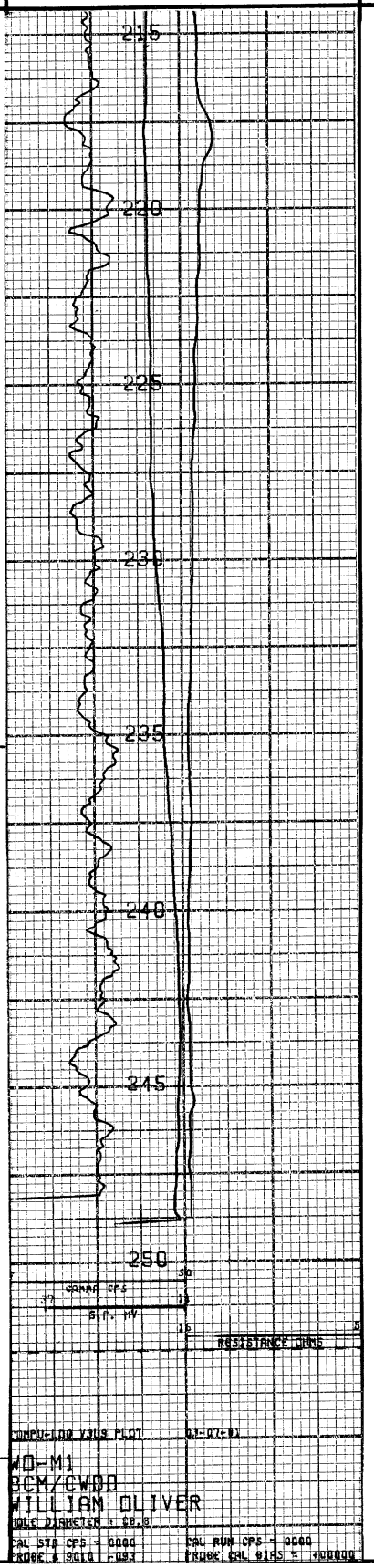
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
172							
174							
176					177.0'		
178							
180							
182					Gray green sandy Silt, some shells (ML)		
184							
186							
188							
190					190.0'		
192							
194					Gray green silty fine Sand, trace shells (SM)		
196							
198							
200					200.0'		
202							
204					Green sandy Silt, trace shells (MH)		
206							
208					208.0'		
210							
212							
214							



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-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 6 OF 6
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
216							
218							
220							
222					Green clayey fine Sand, trace shells (SC)		
224							
226							
228							
230							
232							
234					235.0'		
236							
238							
240							
242					Green sandy Clay, trace shells (CL)		
244							
246							
248							
250							
252							
254					255.0'		
256							



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

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
WO-M1	7 MAR 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: WO-M1

AREA: WILLIAM OLIVER

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	255'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	250'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	250'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	09.0 @60°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1536		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1406		TP 17-TK3	

REMARKS:

EQUIPMENT DATA

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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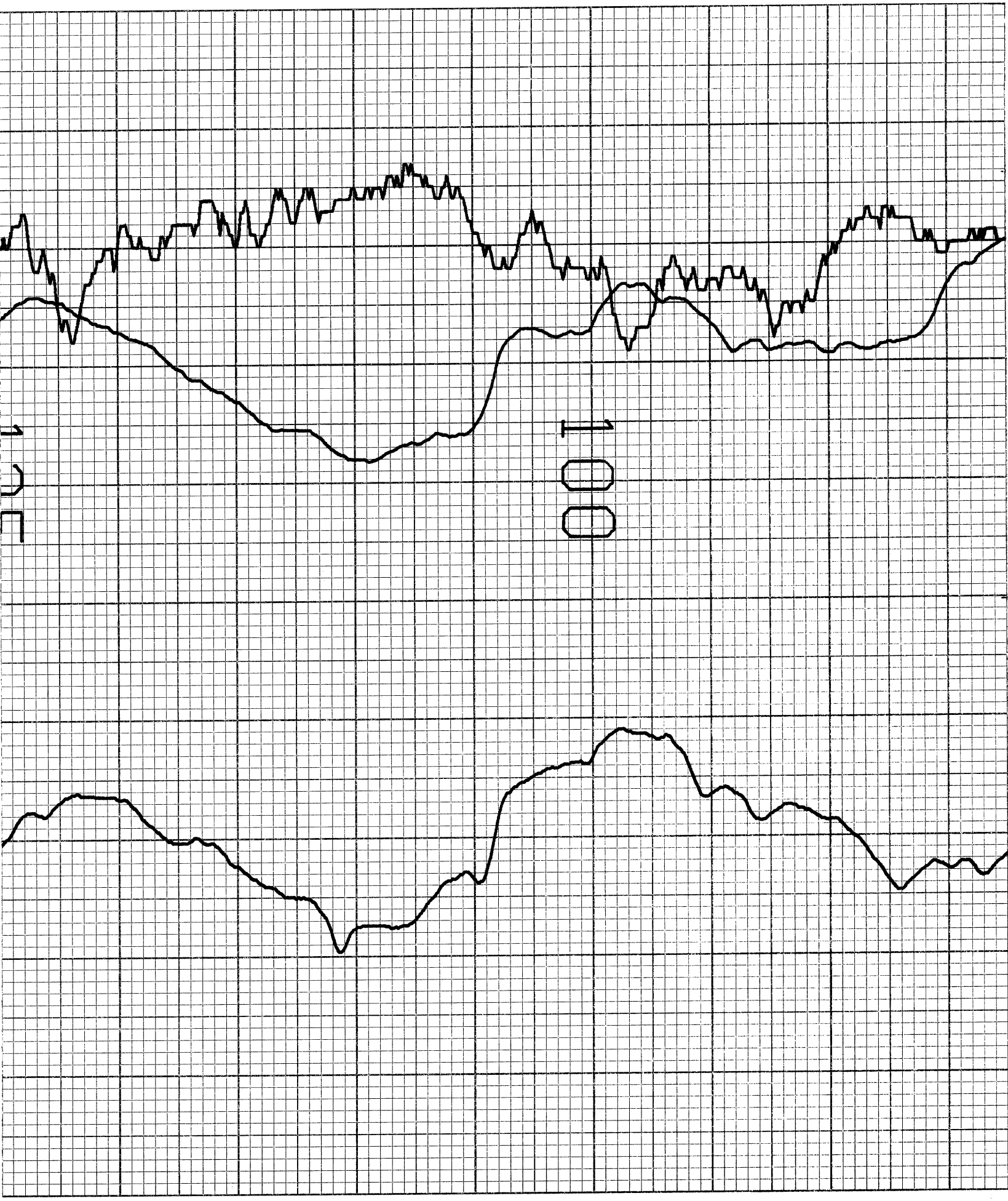

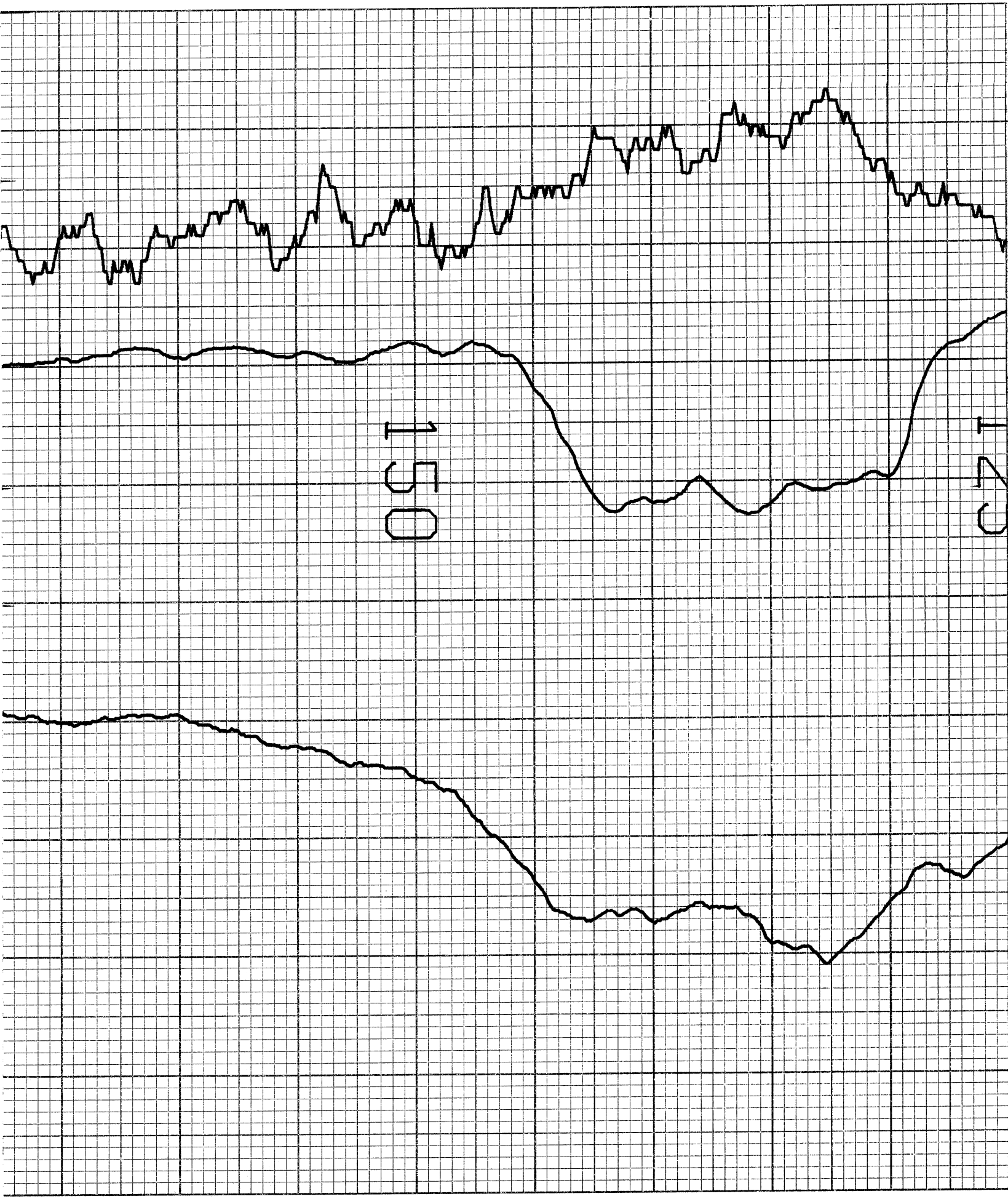

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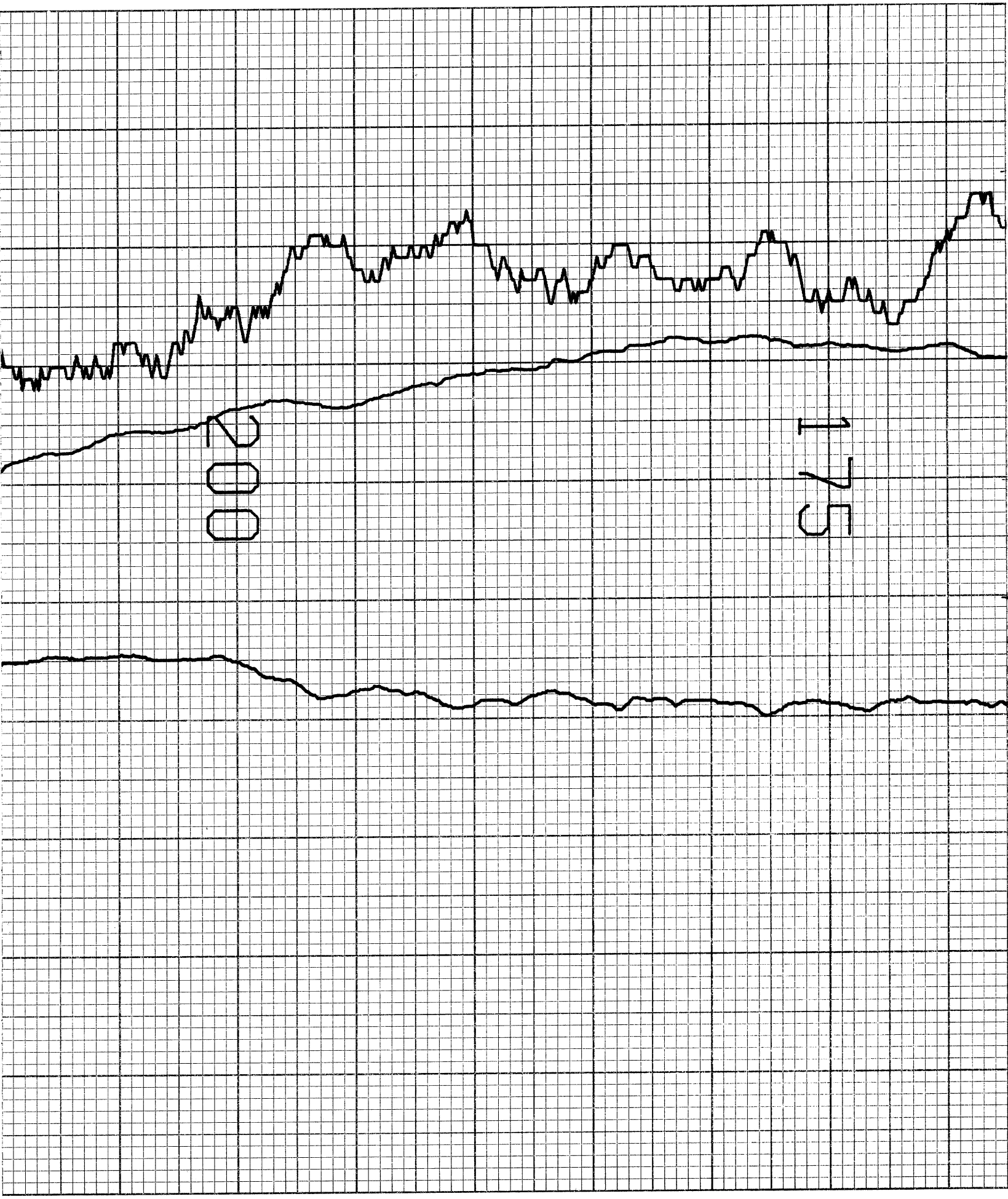
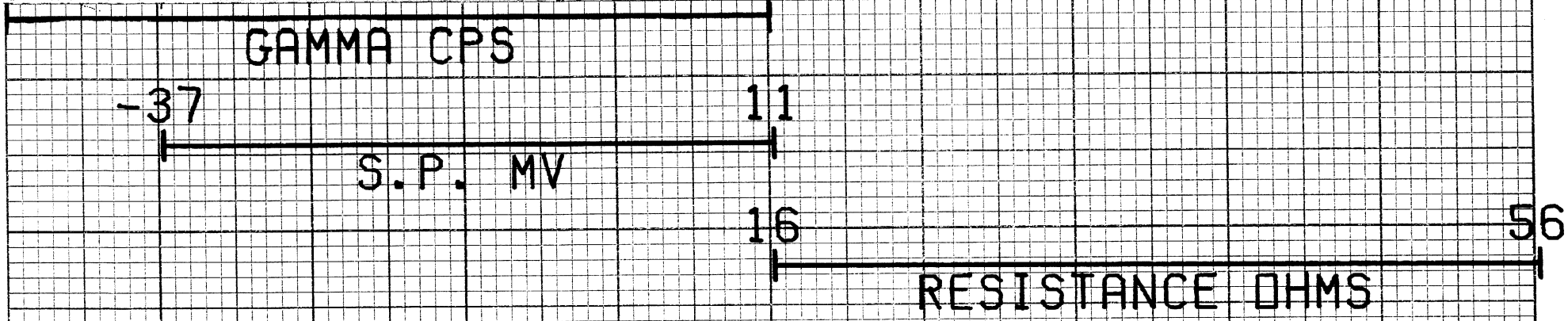


0
CPM
0
50
CPM



COMPU-LOG V3L9 PLOT 03-07-81

WO-M1

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

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APPL. #1 E

CB HONAKER

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