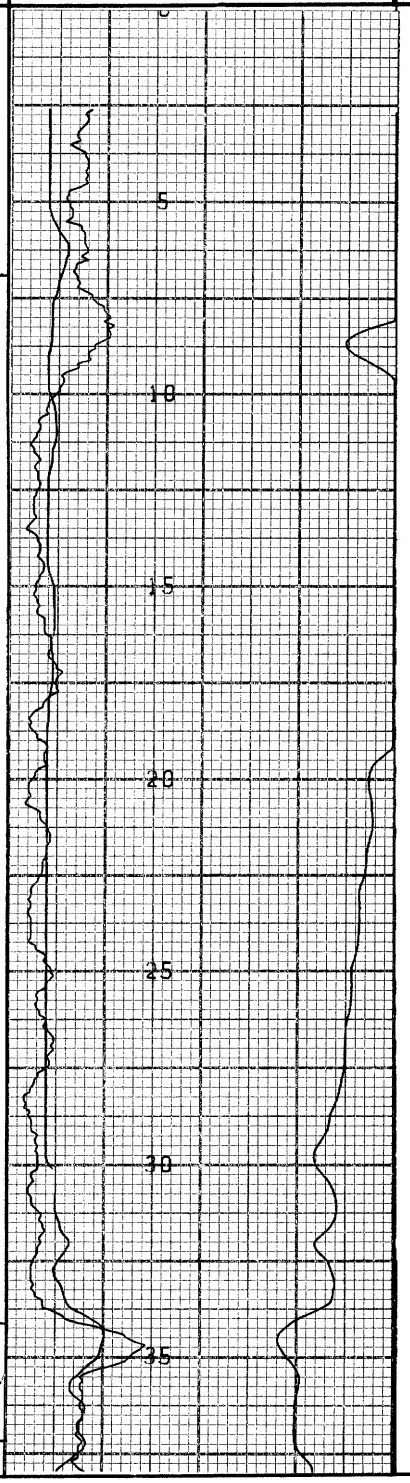
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. MA-05

PROJECT	Virginia Beach Groundwater Development Project (Phase I)								SHT. NO. 1 OF	4
CLIENT	Betz Converse Murdoch, Inc.								PROJ. NO.	80-07203-01
CONTRACTOR	Warren George, Inc.								ELEVATION	11.4
GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE	DATUM	City of V.B.
DATE	TIME	DEPTH	CASING	TYPE	MUD	S.S.			DATE START	2/24/81
3/12/81		6.0		DIA.		2"			DATE FINISH	2/25/81
				WT.		140#			DRILLER	V. Aimar
				FALL		30"			CWDD REP.	J. Durcan

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2					Light gray clayey Silt (ML)		
4							
6							
					7.0'		
8							
10							
12							
14							
16							
18					Gray coarse to fine Sand (SW)		
20							
22							
24							
26							
28							
30							
32							
34							
					34.0'		
36							
					37.0'		
38							



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

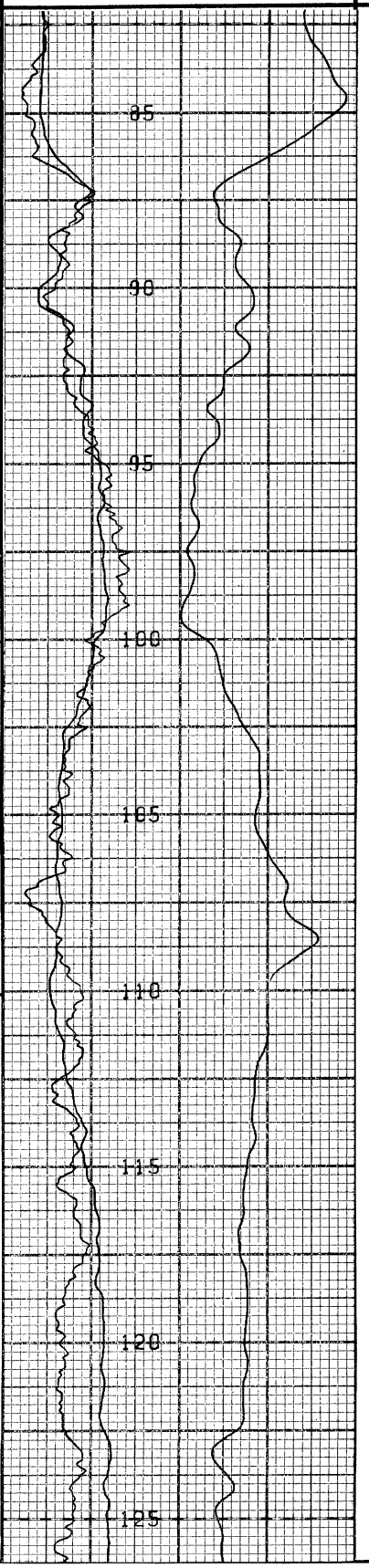
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. MA-05
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 4
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
40					Trace coarse to fine Sand, intercalated layers of silty Sand (SP)	40	
42							
44							
46						45	
48							
50						50	
52							
54							
56						55	
					57.0'		
58					Gray Silt, intercalated layers of sandy Silt, trace mica (MH)		
60						60	
62							
64							
66						65	
68							
70						70	
72							
74							
					75.0'	75	
76					Grayish green fine to coarse Sand, intercalated layers of silty fine Sand (SP)		
78							
80						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. MA-05
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 4
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

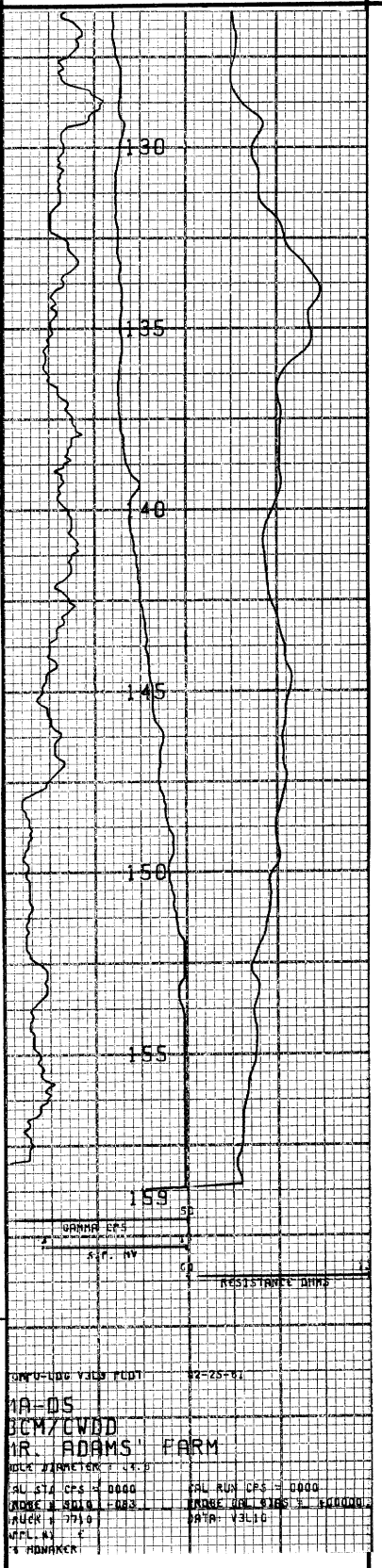
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
84							
86							
					87.0'		
88							
90					Grayish green sandy Silt, little shells, trace mica (ML)		
92							
94							
96							
98							
100					100.0'		
102					Grayish green silty fine to medium Sand (SM)		
104							
106							
108							
110					110.0'		
112					Grayish green sandy Silt, little shells, trace mica (ML)		
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. MA-05
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
128							
130					130.0'		
132							
134							
136							
138							
140							
142							
144					Grayish green silty medium to fine Sand, some shells (SM)		
146							
148							
150							
152							
154							
156							
158							
160							
162					162.0'		



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: MA-05	DATE: 25 FEB 81
UNIT/OPERATOR: 7710/HONAKER	FIELD OFFICE: LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: MA-05

AREA: MR. ADAMS' FARM

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

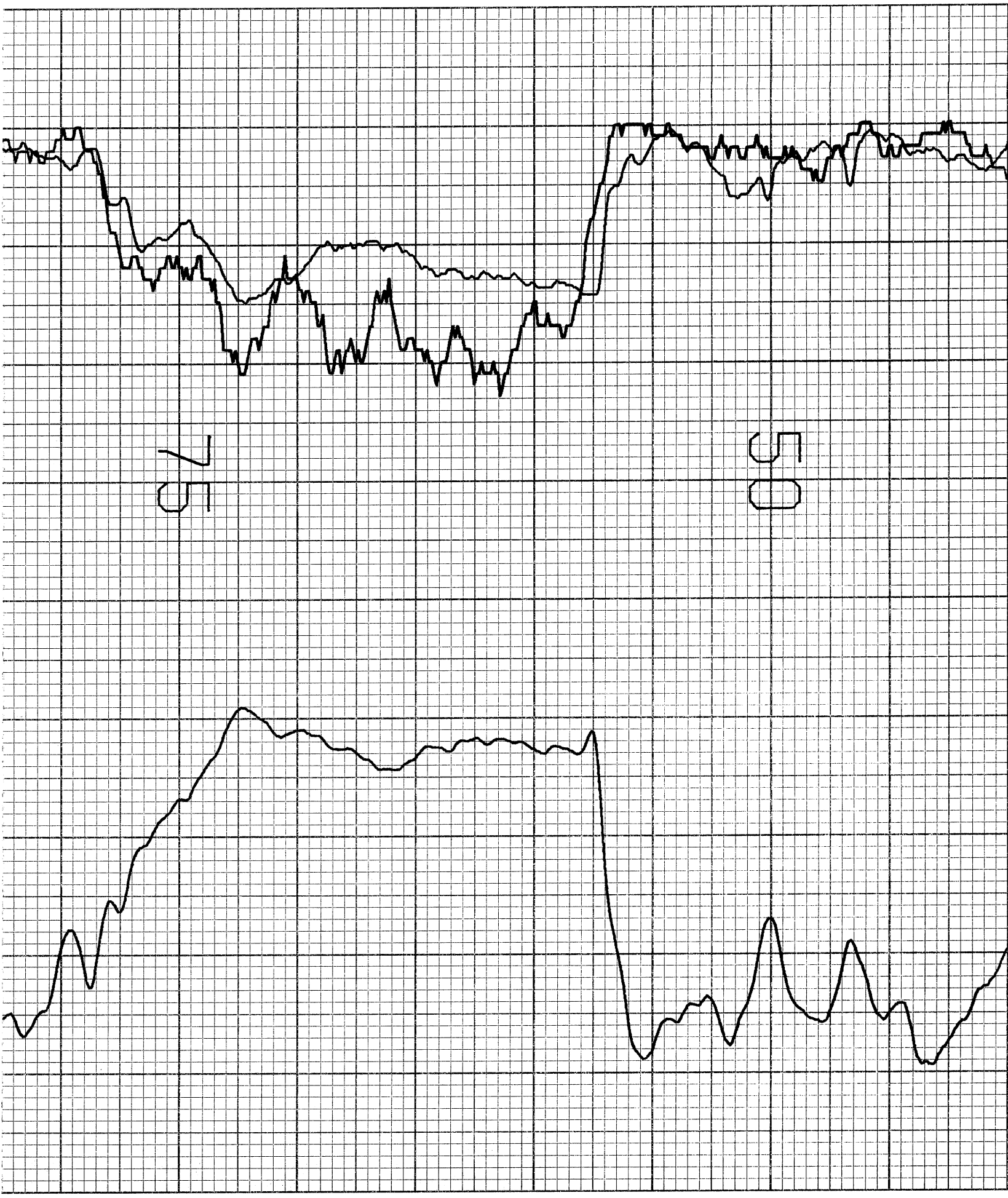
HOLE DATA

TOTAL DEPTH — DRILLER	: 160'	BIT SIZE	: 4 3/4"
TOTAL DEPTH — LOGGER	: 159'	CASING — TYPE & SIZE	: NA
TOTAL FOOTAGE LOGGED	: 159'	CASING DEPTH	: NA
LOGGING SPEED	: 30 FT/MIN	BOREHOLE FLUID	: HOH
REFERENCE LEVEL	: GL	FLUID RESISTIVITY	: — @ —°F
PROBE NO.	: 9010-093	SOFTWARE LEVEL	: V3L10
TIME IN: 1054		SCALE SELECTION	: ☒ OPERATOR ☐ CLIENT
TIME OUT: 1124		TD 11-TK4	

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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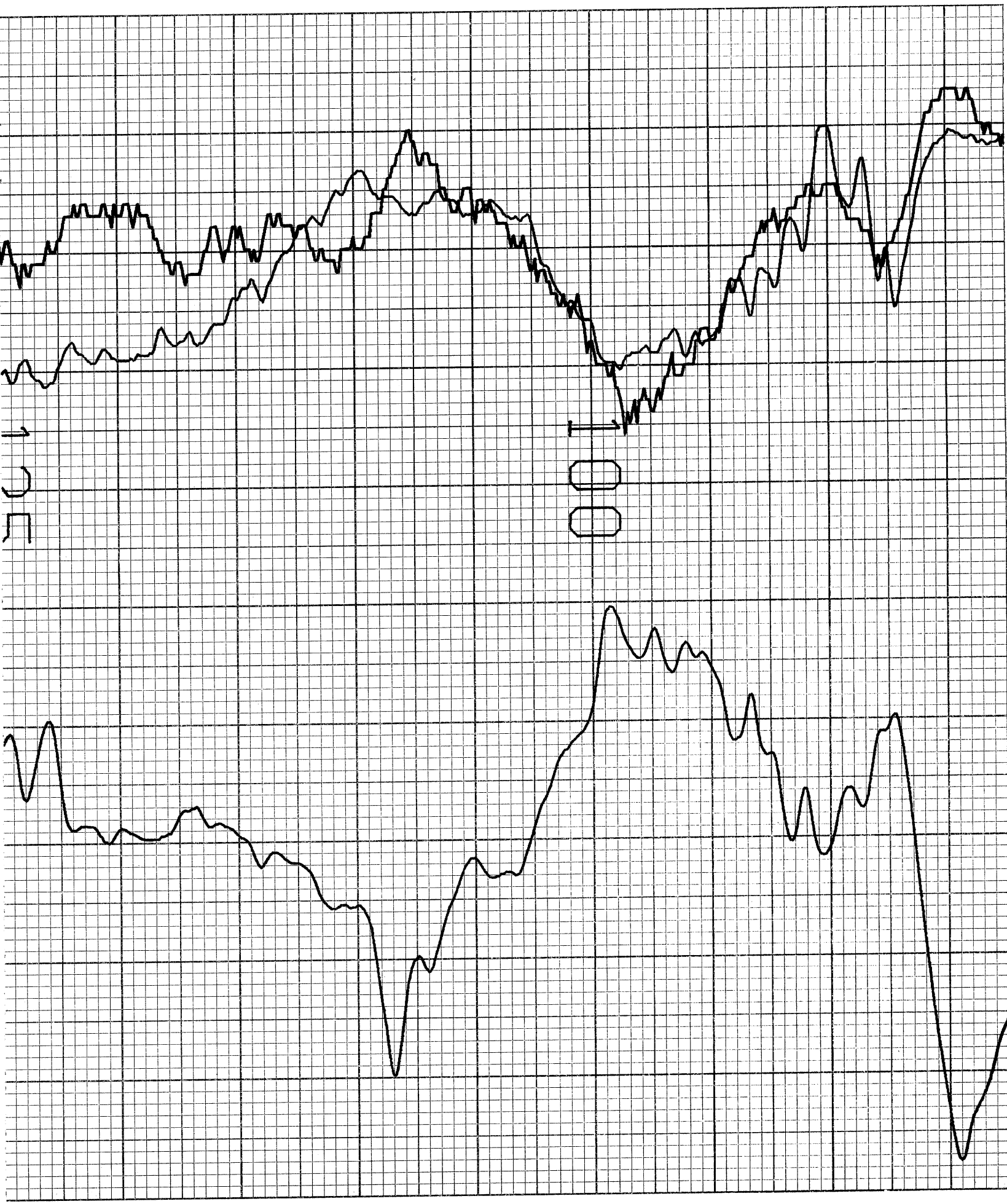
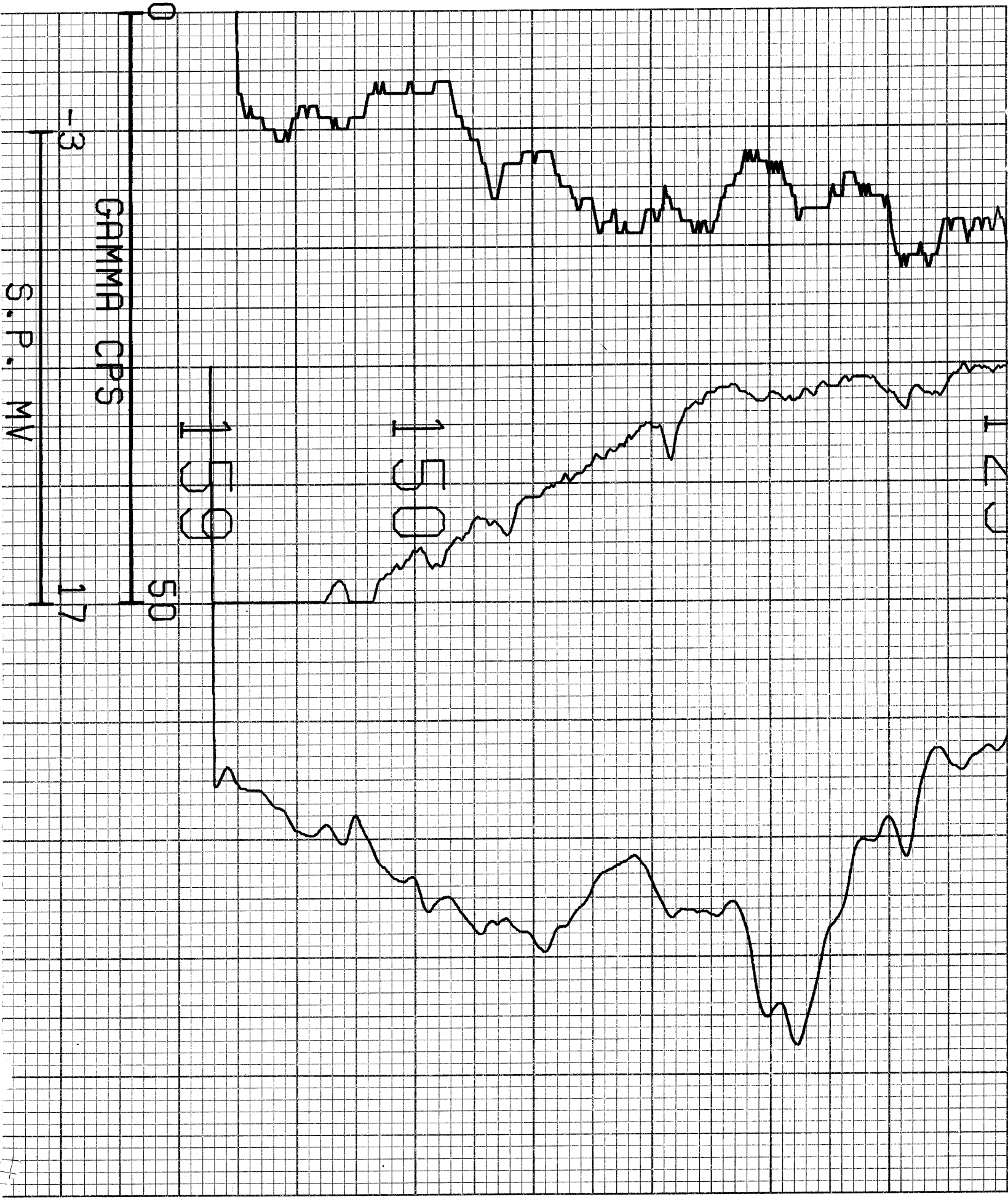
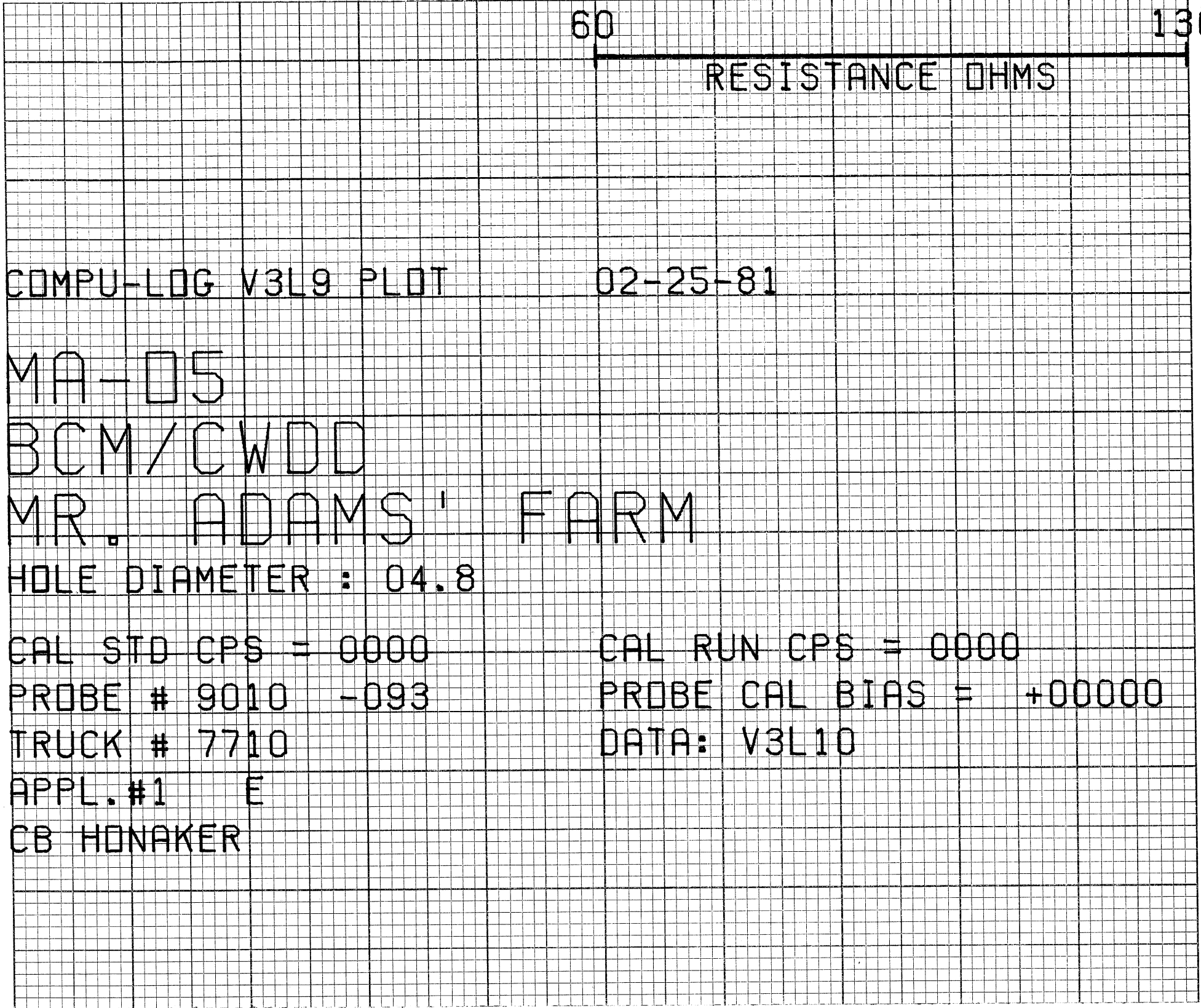



0
GAMMA CPS
150
-3
S.P. MV
17


60
130
RESISTANCE OHMS
COMPU-LOG V3L9 PLOT
02-25-81
MA-05
BCM/CWDD
MR. ADAMS' FARM
HOLE DIAMETER : 04.8
CAL STD CPS = 0000
PROBE # 9010 -093
TRUCK # 7710
APPL.#1 E
CB HONAKER
CAL RUN CPS = 0000
PROBE CAL BIAS = +00000
DATA: V3L10
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