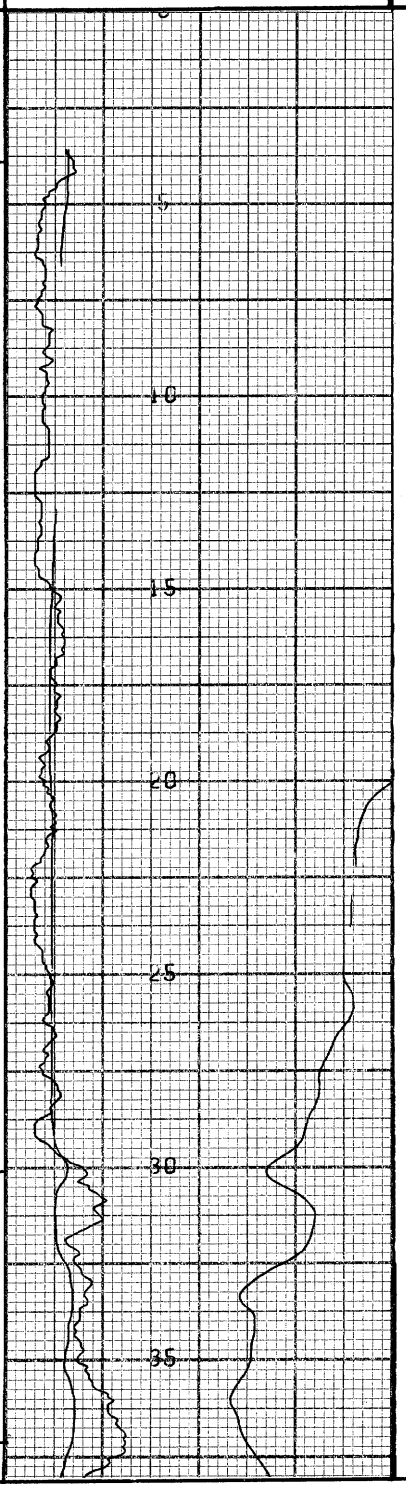
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-05
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 1 OF 4
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01
CONTRACTOR Warren George, Inc.		ELEVATION 10±

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

DATUM Nat'l. Geodedic
DATE START 2/24/81
DATE FINISH 2/25/81
DRILLER B. Muh
CWDD REP. R. Shine

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2					Dark brown sandy Silt (ML)		
4					4.0'		
6							
8							
10							
12							
14							
16					Brown to gray silty fine to medium Sand, intercalated layers of silty fine Sand (SP)		
18							
20							
22							
24							
26							
28							
30					30.0'		
32					Gray silty Clay (CL)		
34							
36							
38					37.0'		



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. LC-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					Gray coarse to fine Sand, gravelly, intercalated layers of silty fine Sand (SW)	40	
42							
44						45	
46							
48							
50						50	
52							
54							
56						55	
					57.0'		
58					Gray clayey Silt, clay downward, trace shells, mica (MH)		
60						60	
62							
64							
66						65	
68							
70							
72						70	
74							
76						75	
78							
80					80.0'		
82						80	

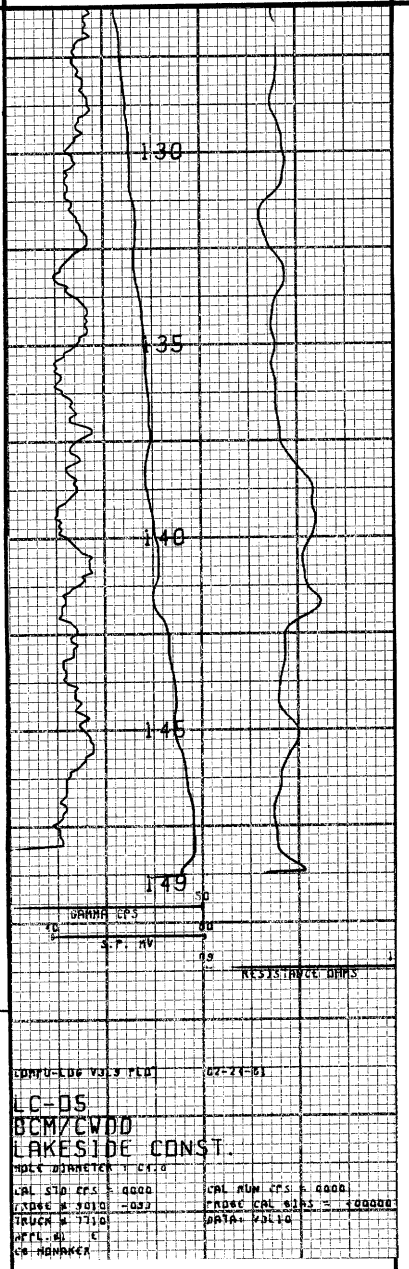
FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-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					Grayish green sandy Silt, little shells (ML)	85	
86							
88							
90						90	
92							
94						95	
96							
98							
100						100	
102					103.0'		
104					Gray silty fine to medium Sand, clayey upward, little shells (SM)	105	
106							
108							
110						110	
112							
114						115	
116							
118							
120						120	
122					122.0'		
124						125	
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. LC-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					Gray sandy Silt, clayey upward, some shells (ML)		
130							
132							
134							
136							
138							
140							
142							
144							
146							
148							
150							
152					152.0'		

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE: LC-05	DATE: 24 FEB 81
UNIT/OPERATOR: 7710/HONAKER	FIELD OFFICE: LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: LC-05

AREA: LAKESIDE CONST. | ELEVATION:

COUNTY: VA BEACH CITY | STATE: VA

SECTION | TOWNSHIP | RANGE

HOLE DATA

TOTAL DEPTH — DRILLER	150'	BIT SIZE	4 3/4"
TOTAL DEPTH — LOGGER	149'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	149'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	18.2 @ 58°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V.3L10
TIME IN: 1548		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1624		TP11-TK2	

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	—	—

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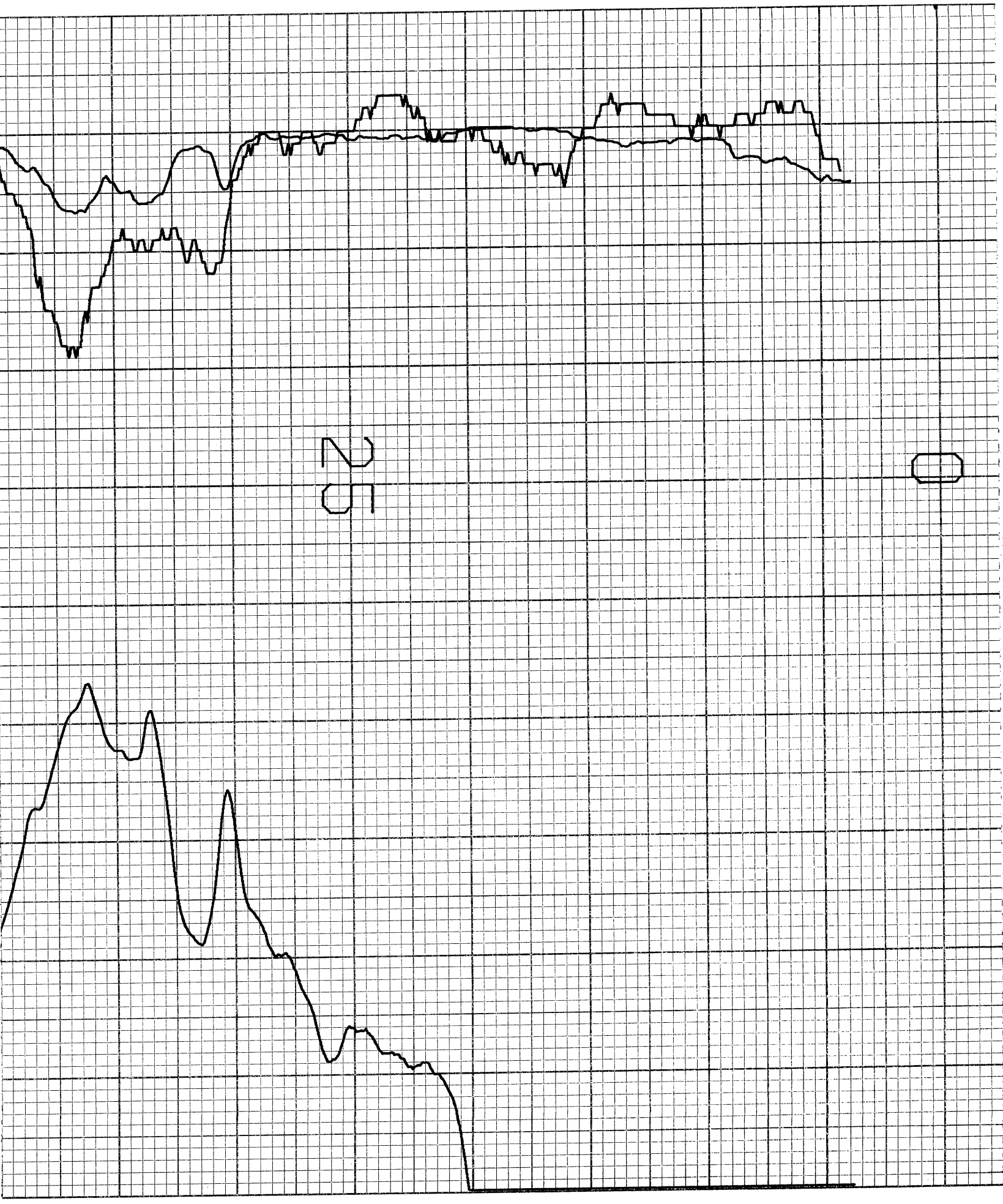

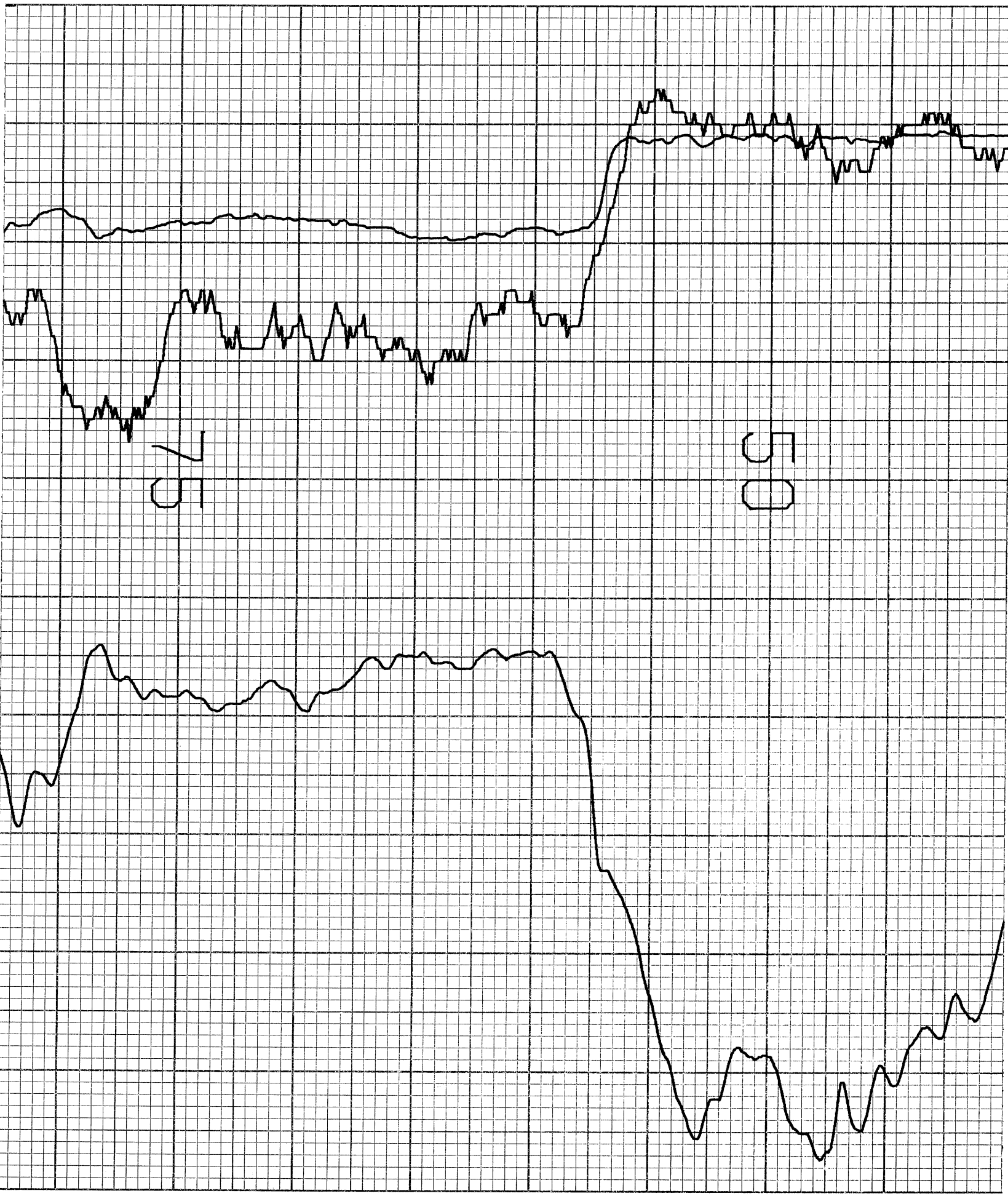

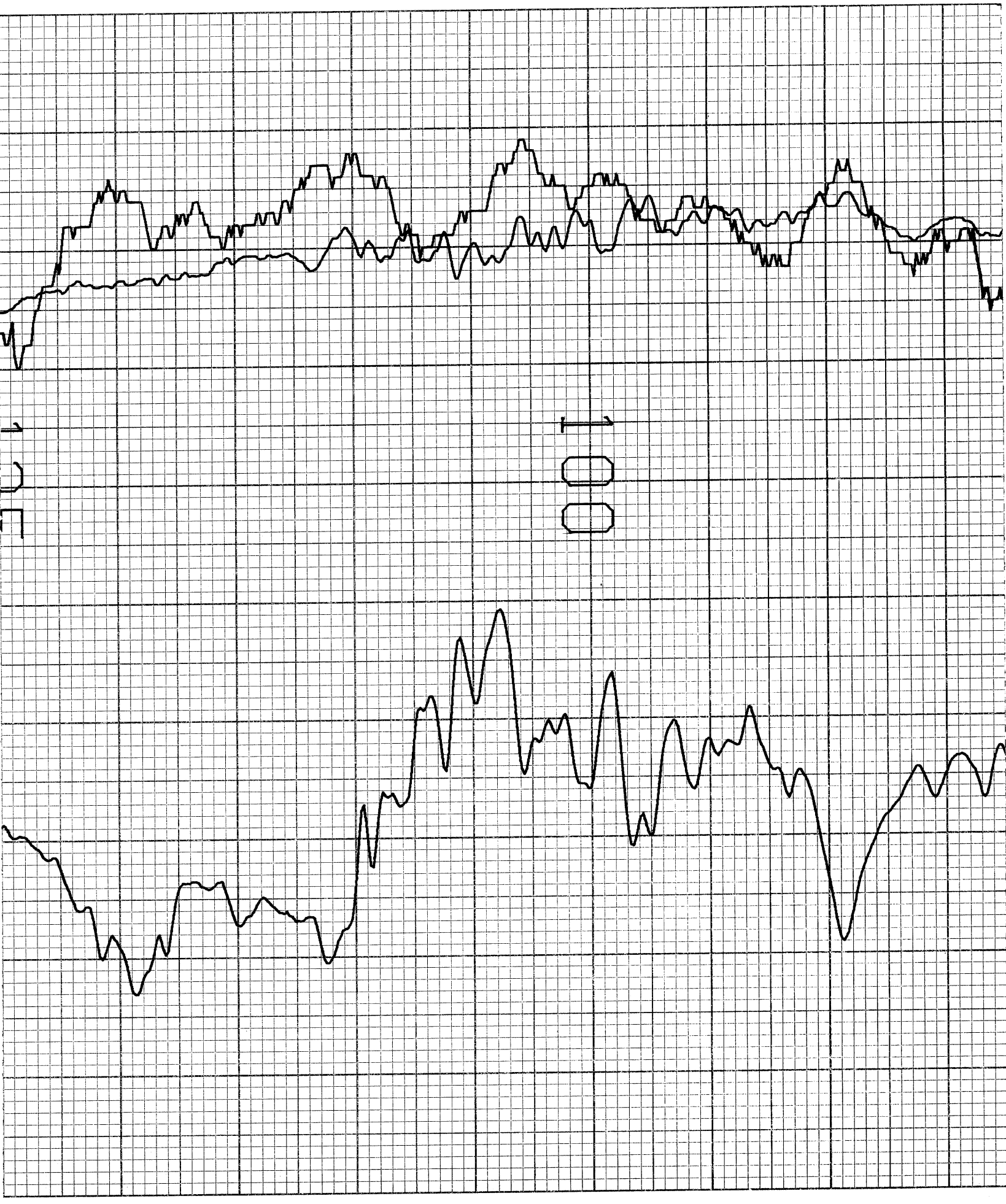

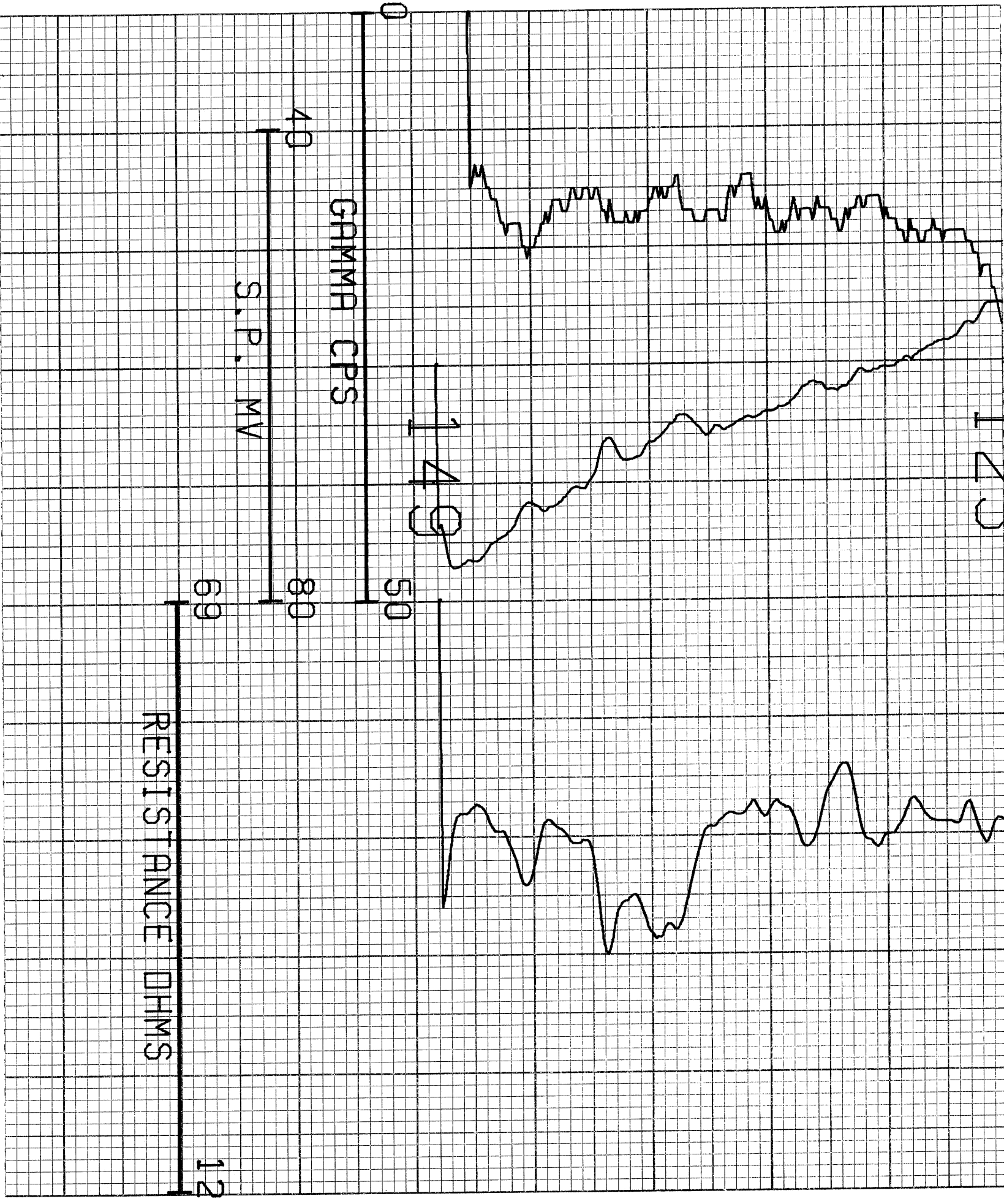
0
GRMMA CPS
40
S.P. MV
80
50
60
RESISTANCE OHMS
124

COMPU-LOG V3L9 PLOT 02-24-81

LC-05

BCM/CWDD

LAKESIDE CONST.

HOLE DIAMETER : 04.8

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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