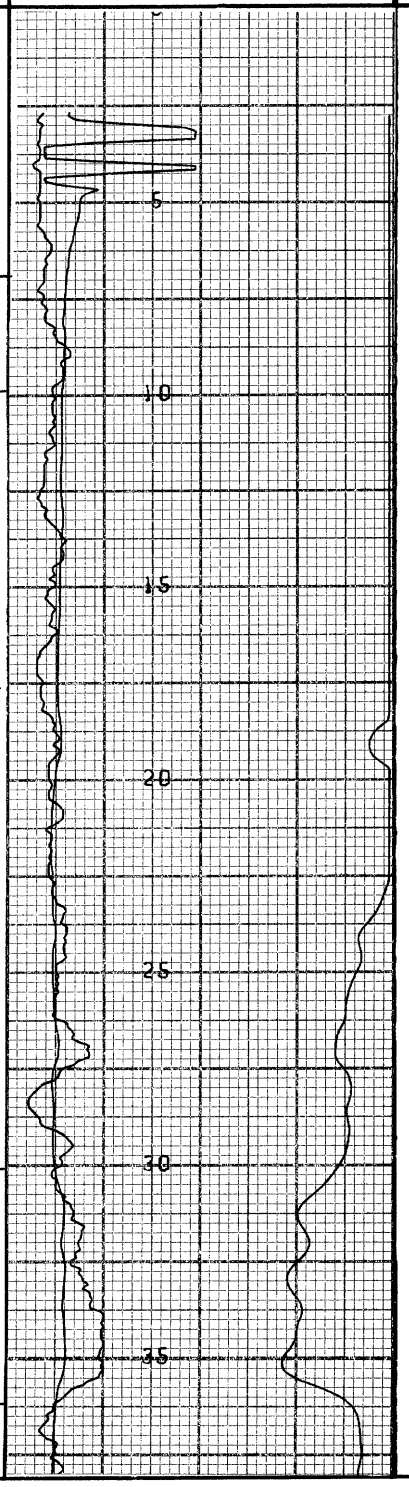
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-02

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 10±
GROUND WATER		DATUM Nat'l. Geodedic
		DATE START 2/18/81
		DATE FINISH 2/19/81
		DRILLER E. Tomkins
		CWDD REP. R. Badone

DATE	TIME	DEPTH	CASING
		5.33	

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

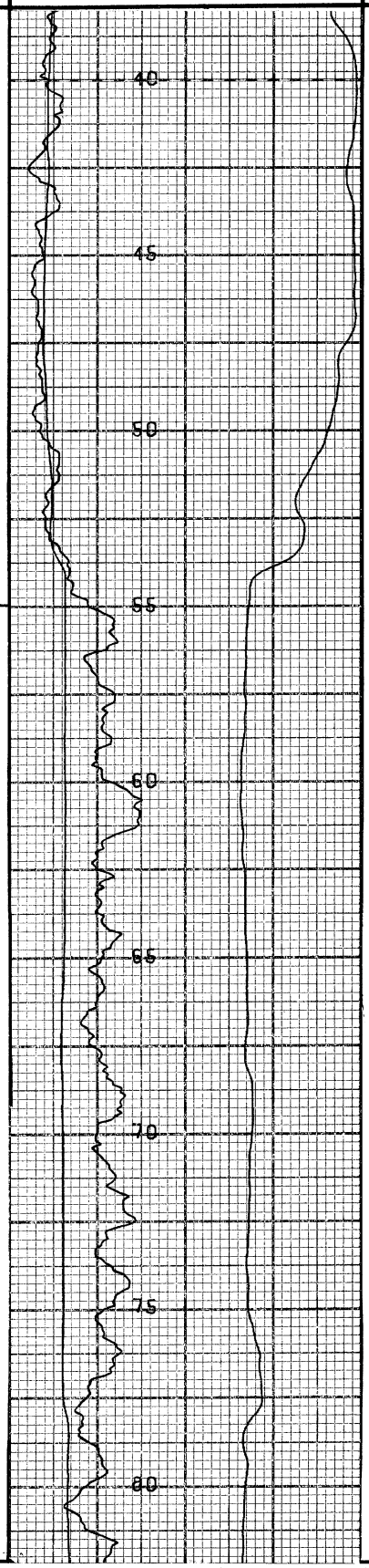
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2, 4, 6					Brown silty fine to medium Sand, some roots (SM) 7.0'		
8, 10					Brown sandy Silt (MC) 10.0'		
12, 14, 16, 18, 20, 22, 24, 26, 28, 30					Light gray silty fine to medium Sand (SM) 30.0'		
32, 34, 36, 38					Gray sandy Clay (CL) 36.0'		



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-02
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					Light gray coarse to fine Sand, intercalated layers of silty fine Sand (SW)		
42							
44							
46							
48							
50							
52							
54					55.0'		
56					Greenish gray clayey Silt, trace shells, mica, sandy downward (MH)		
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80							
82					82.0'		

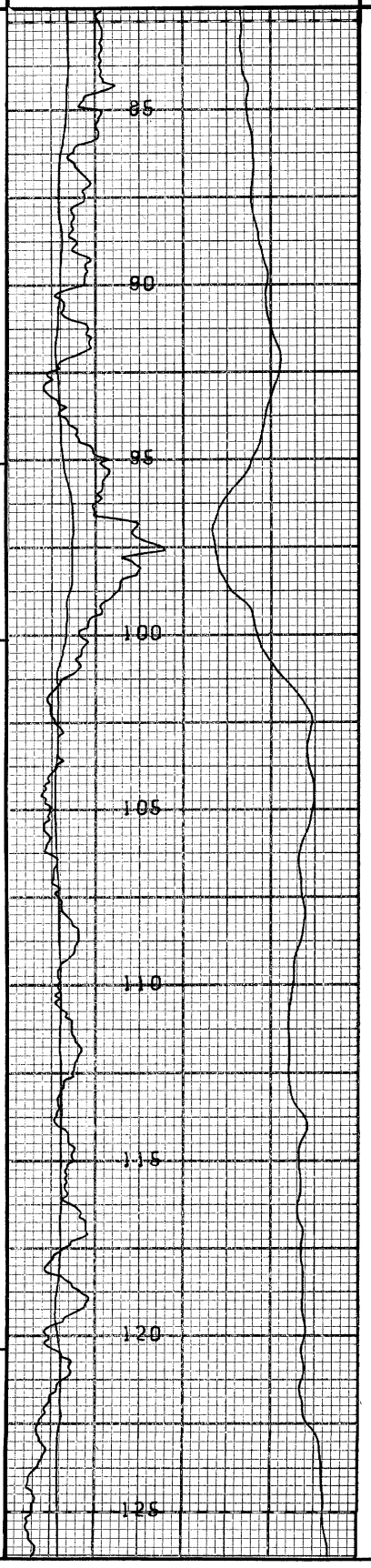


FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-02
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					Greenish gray clayey fine Sand, little shells (SC)
86					
88					
90					
92					
94					
					95.0'
96					Gray silty Clay, trace mica (CH)
98					
					100.0'
100					Dark gray silty fine to medium Sand, clayey downward (SM)
102					
104					
106					
108					
110					
112					
114					
116					
118					
120					
					120.0'
122					Greenish gray coarse to fine Sand, trace shells, intercalated layers of silty fine Sand and shells (SP)
124					
126					

E - LOG



WELL

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

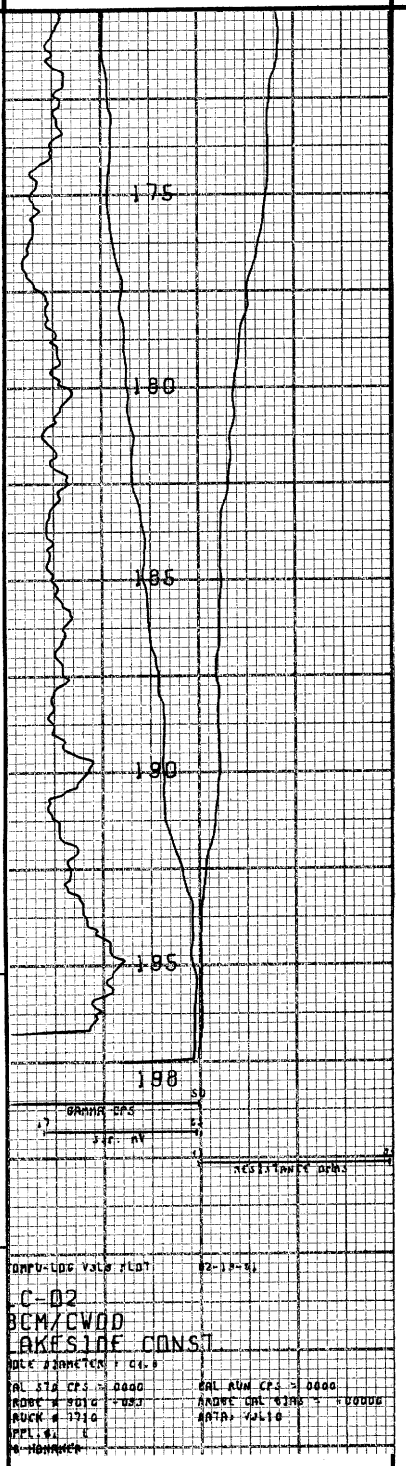
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-02
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 5
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
128							
130						130	
132							
134							
136						135	
138							
140						140	
142							
144							
146						145	
148							
150						150	
152							
154							
156						155	
158							
160						160	
162							
164					165.0'	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. LC-02
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					Gray clayey coarse to fine Sand (SC)		
174							
176							
178							
180							
182							
184							
186							
188							
190							
192							
194					195.0'		
196					Gray sandy Silt (ML)		
198							
200							
202					202.0'		



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	DATE
LC-02	19 FEB 81
UNIT/OPERATOR	FIELD OFFICE
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: LC-02

AREA: LAKESIDE CONST

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	200'	BIT SIZE	4 3/4"
TOTAL DEPTH — LOGGER	198'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	198'	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: 1706		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1736		TP9-TK4	

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 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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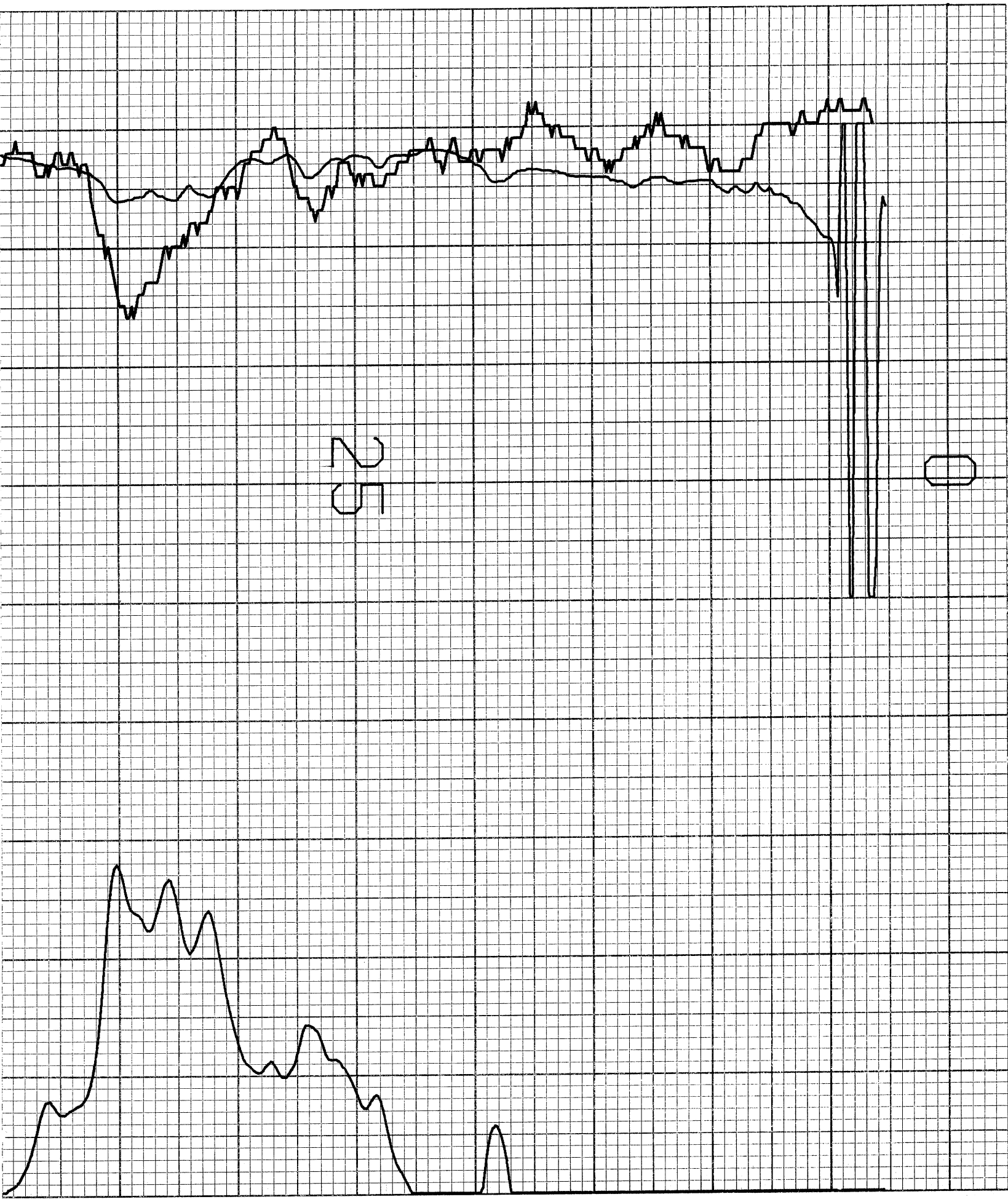

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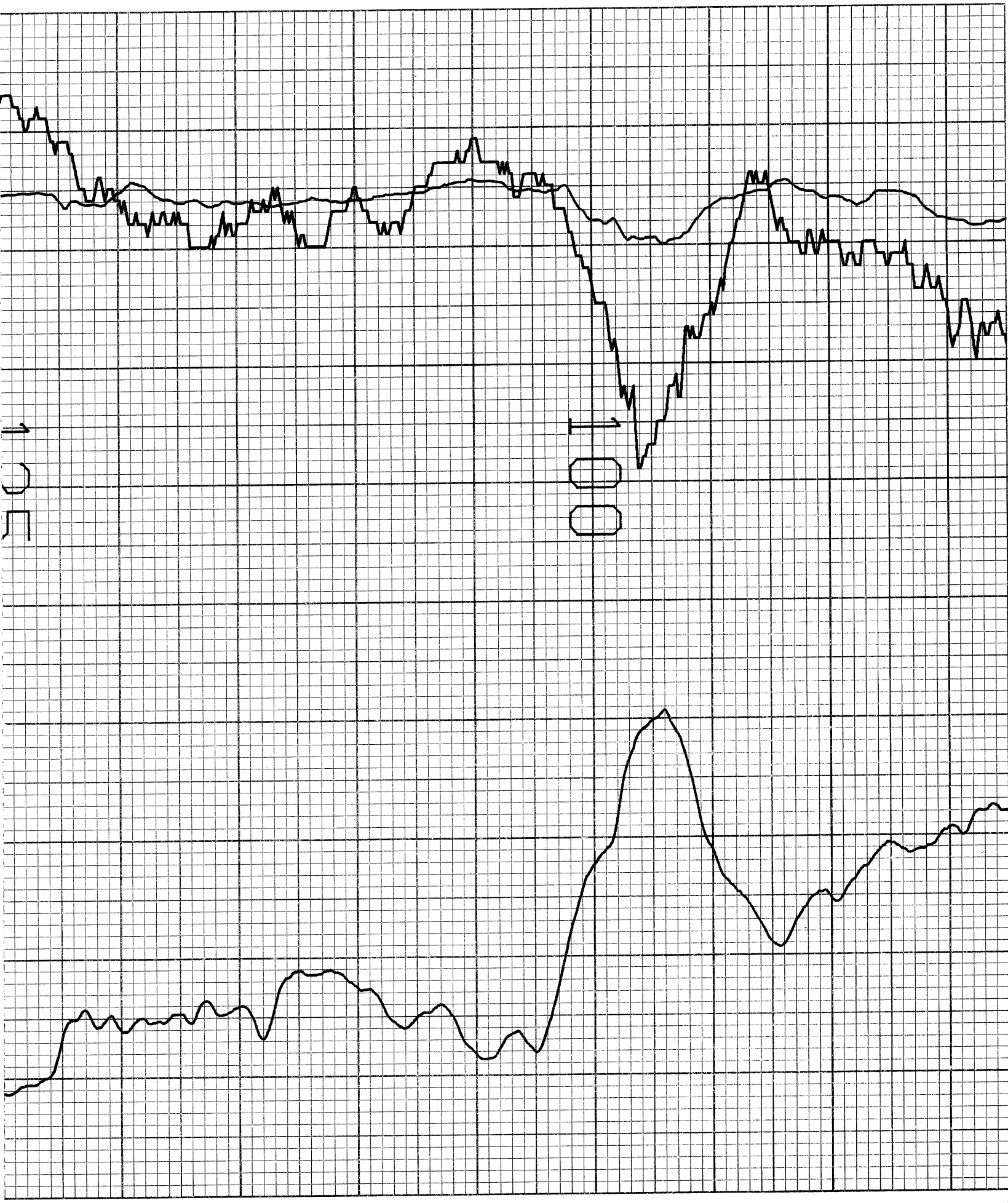

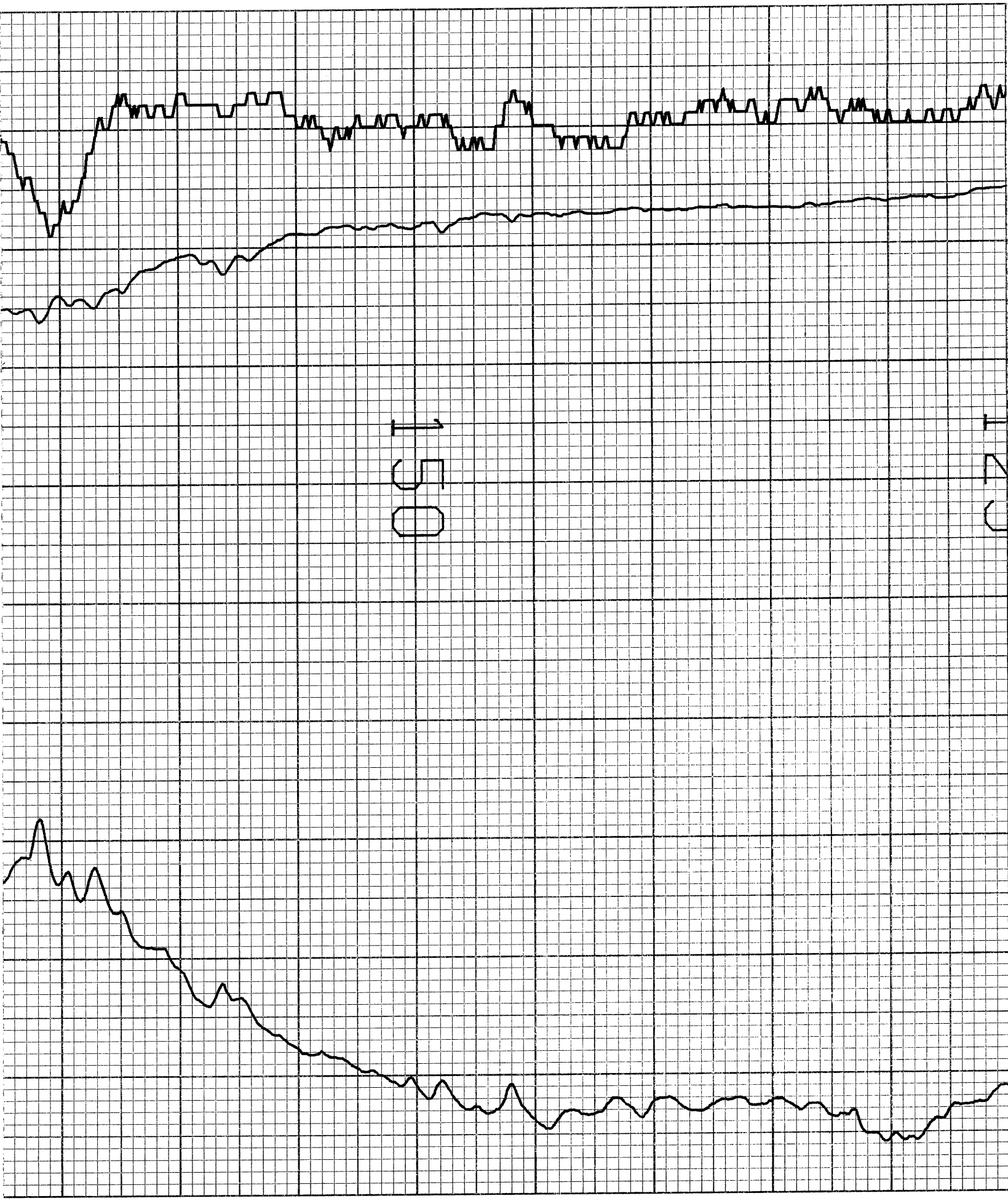

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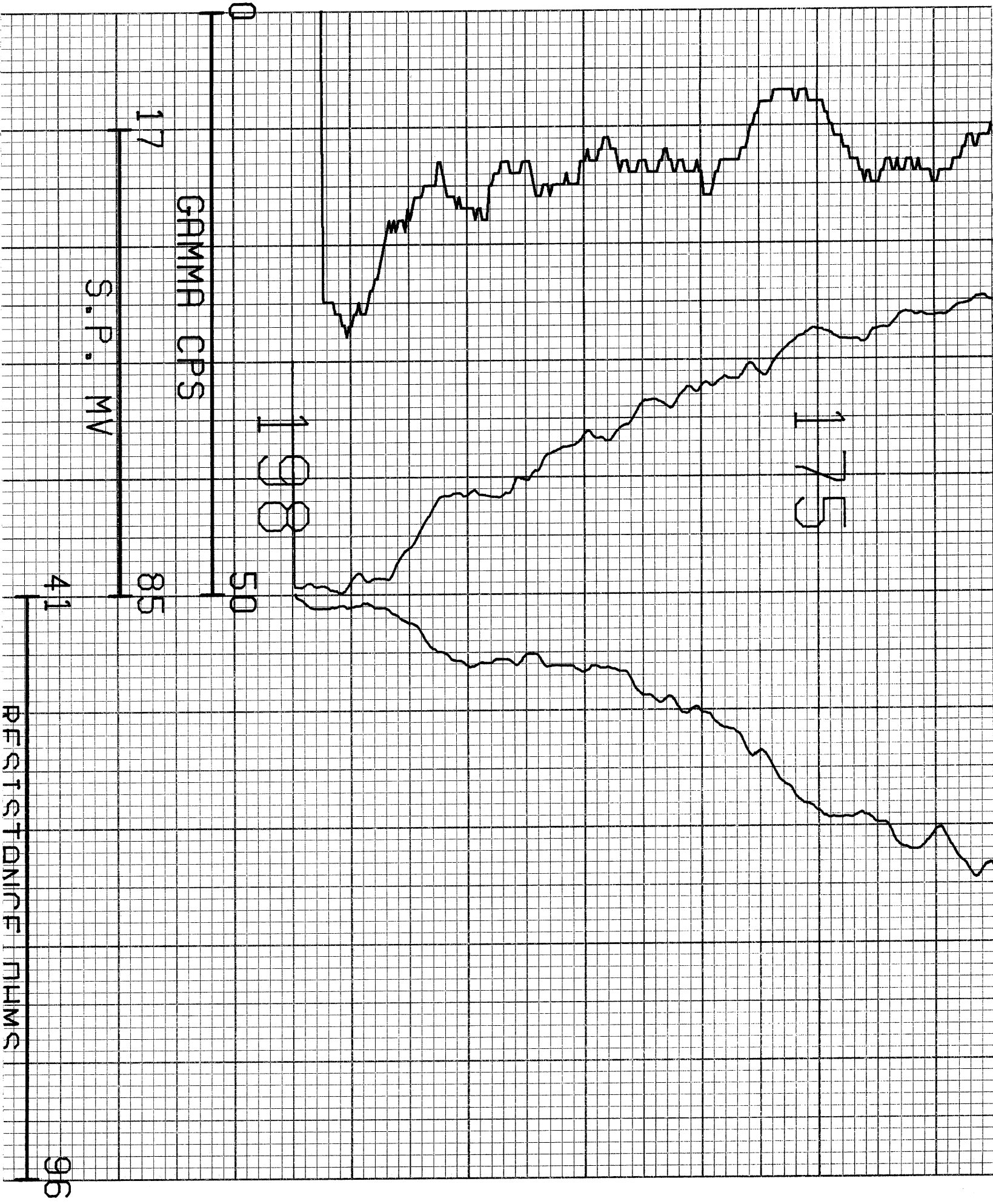

RESISTANCE OHMS

COMPU-LOG V3L9 PLOT 02-19-81

LC-02
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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