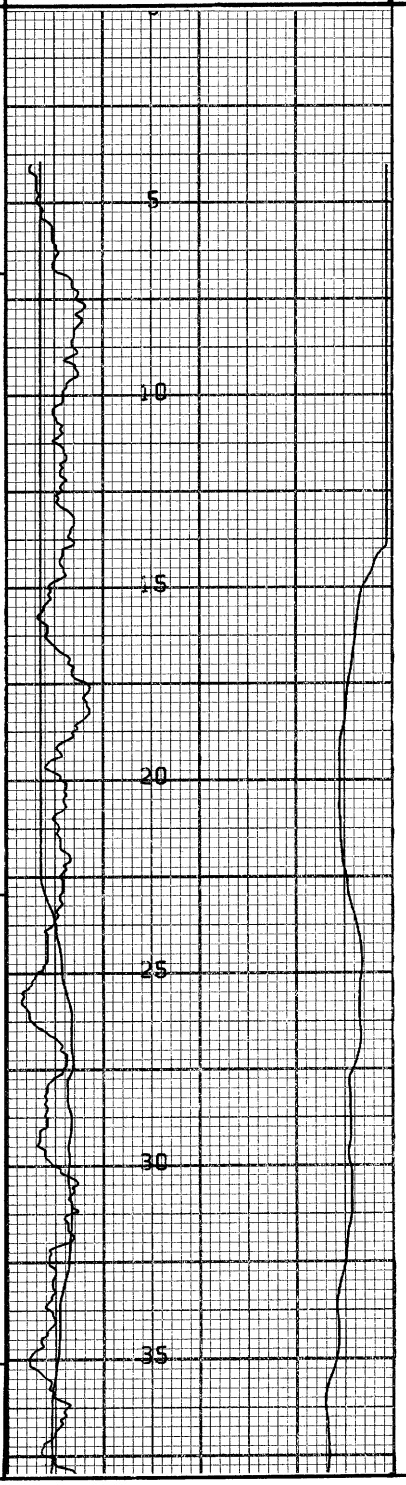
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OI-01

PROJECT Virginia Beach Groundwater Development Project (Phase I)
CLIENT Betz, Converse, Murdoch, Inc.
CONTRACTOR A. C. Shultes and Sons, Inc.

SHT. NO. 1 OF 5
PROJ. NO. 80-07203-01
ELEVATION 15'±
DATUM Nat'l Geodedic
DATE START 1/27/81
DATE FINISH 1/29/81
DRILLER Ed Kelly
CWDD REP. S. Oppenheimer

GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE
DATE	TIME	DEPTH	CASING	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					Gray clayey fine Sand (SC)		
4							
6					7.0		
8							
10							
12							
14							
16							
18					Gray silty fine Sand (ML)		
20					23.0		
22							
24							
26							
28							
30							
32					Gray silty medium to fine Sand intercalated layers of sandy silt (SM)		
34					3550		
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. OI-01
PROJECT Virginia Beach Groundwater Development Projedt (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					Gray clayey silt, intercalated layers of silty Sand (ML) 45.0	40	
42							
44							
46						45	
48							
50						50	
52							
54							
56						55	
58							
60						60	
62					Dark gray silty coarse to fine Sand, intercalated layers of sandy silt (SM) 65.0		
64							
66						65	
68							
70						70	
72							
74							
76						75	
78							
80						80	
82							

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Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OI-01
PROJECT Virginia Beach Goundwater 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	E - LOG	WELL
84					Gray clayey silt, some shells intercalated layers of silty Sand, trace mica (MH) 92.0	85	
86							
88							
90						90	
92							
94							
96						95	
98							
100						100	
102							
104							
106						105	
108							
110						110	
112							
114							
116						115	
118							
120						120	
122							
124							
126						125	

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. OI-01
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						135	
136							
138							
140					Gray to grayish green silty fine Sand and shells intercalated layers of sandy silt (SM)	140	
142							
144						145	
146							
148							
150						150	
152							
154							
156						155	
158							
160						160	
162							
164							
166						165	
168							
170						170	

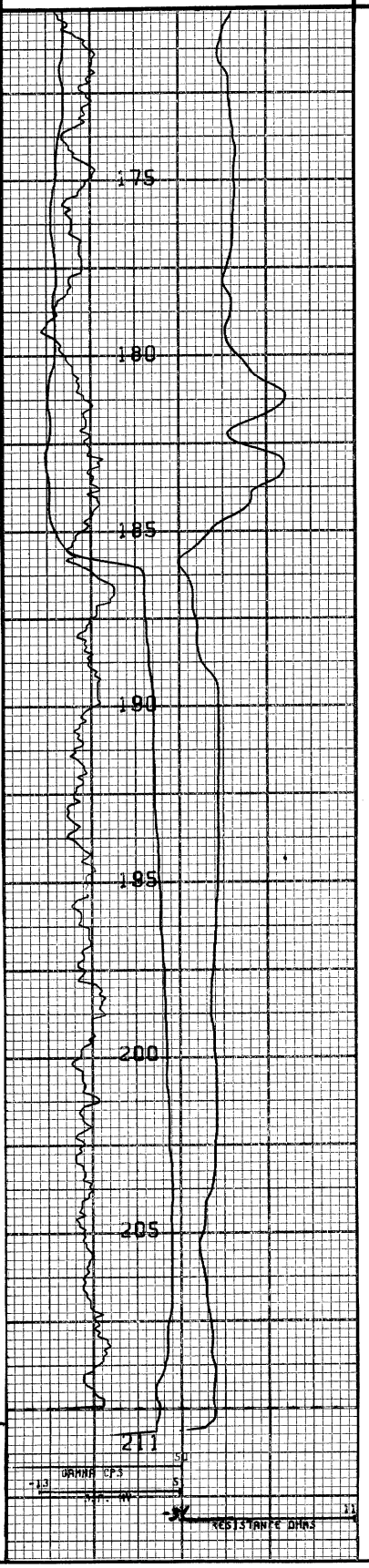
FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OI-01
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							
174							
176							
178							
180					Gray to grayish green silty fine Sand and shells intercalated layers of sandy silt (SM)		
182							
184							
186							
188							
190							
192							
194							
196							
198							
200							
202							
204							
206							
208					Grayish green clayey silt, some shells, trace mica (MH)		
210							
212							
214							

185.0

210.0



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CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
OI -01	28 JAN 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: OI -01

AREA: OCEANA I

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	: 210'	BIT SIZE	: 8 3/4"
TOTAL DEPTH — LOGGER	: 211'	CASING — TYPE & SIZE	: NA
TOTAL FOOTAGE LOGGED	: 211'	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: 1324		SCALE SELECTION	: ☒ OPERATOR ☐ CLIENT
TIME OUT: 1348		TD 4-TK1	

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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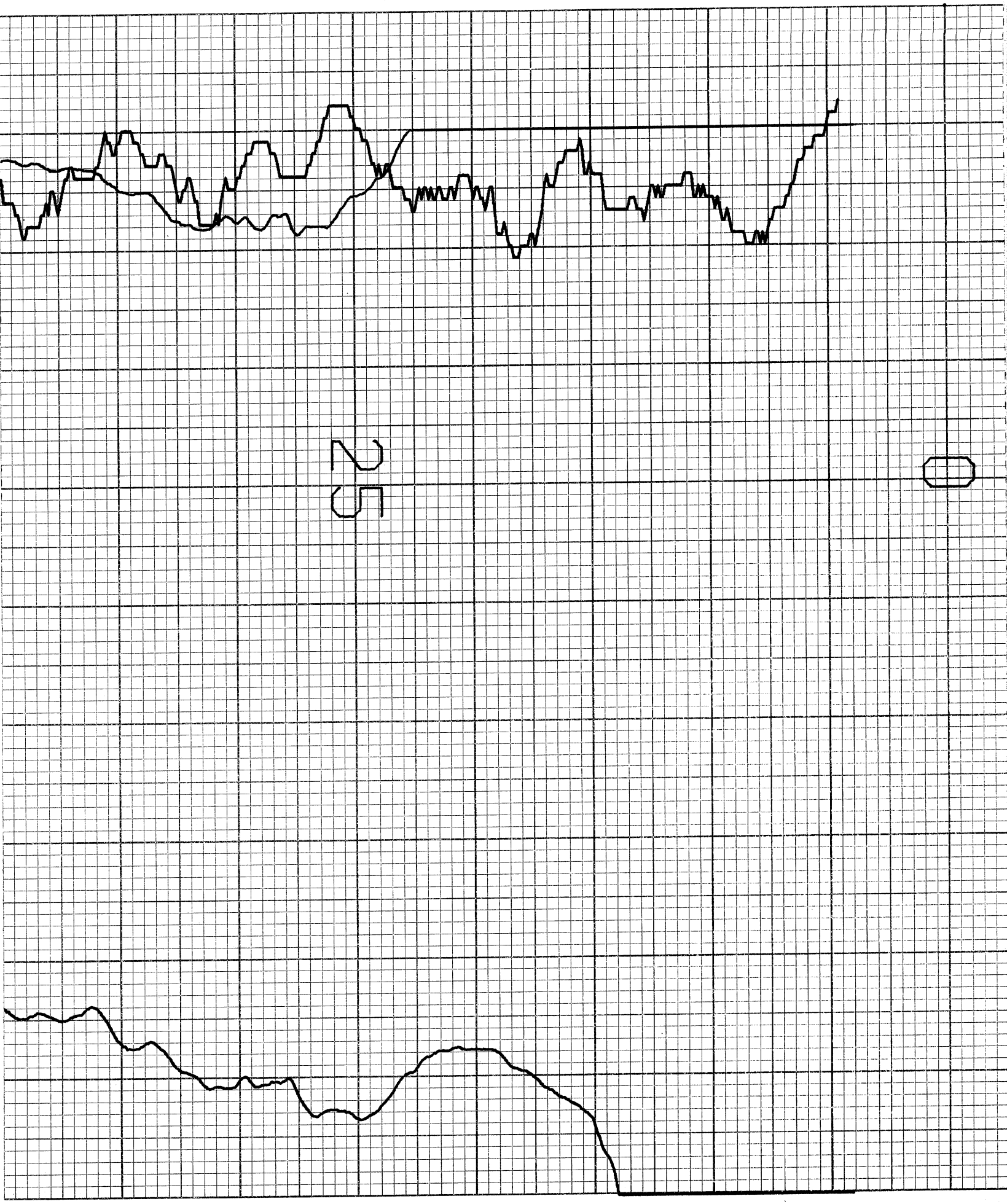

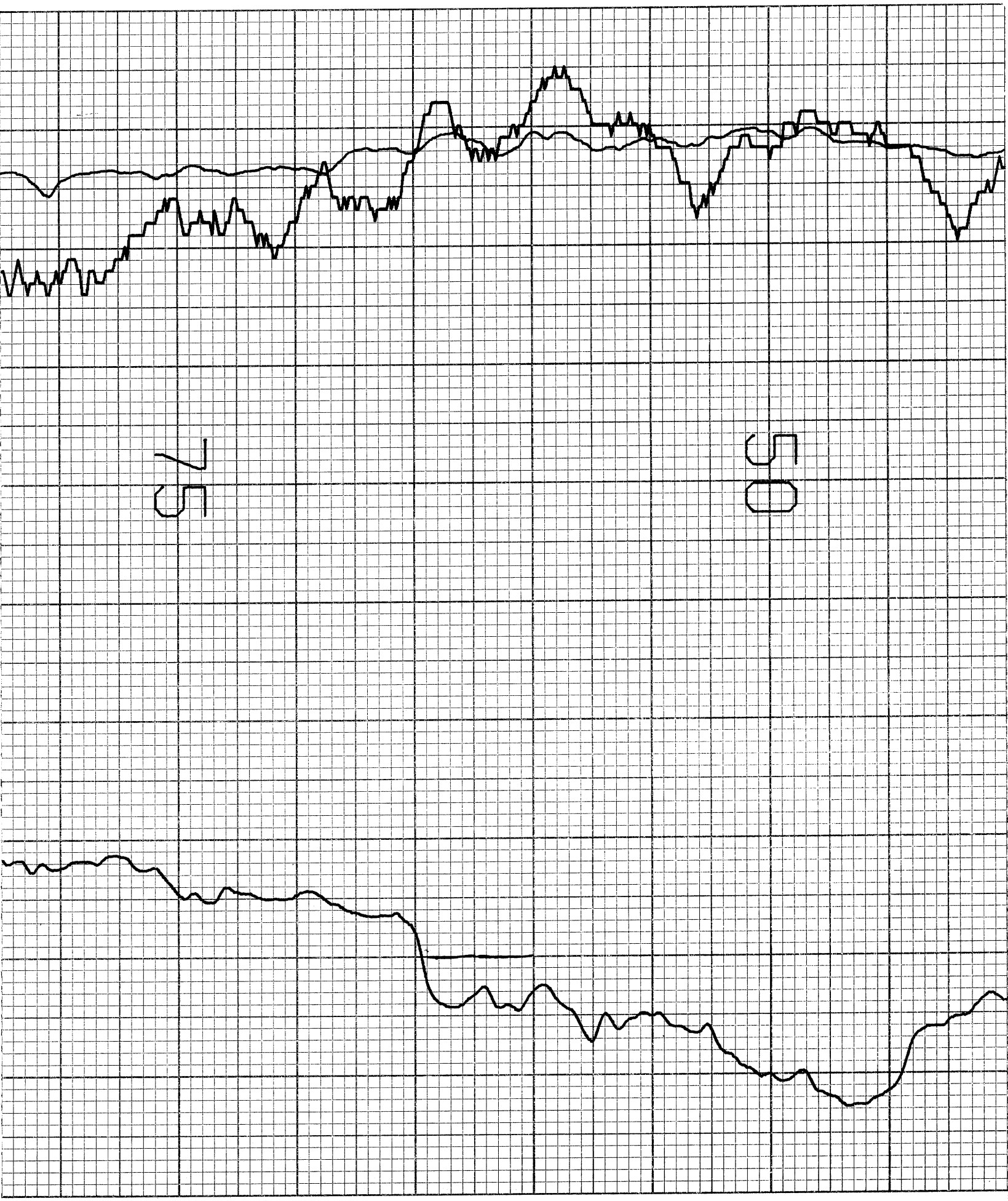

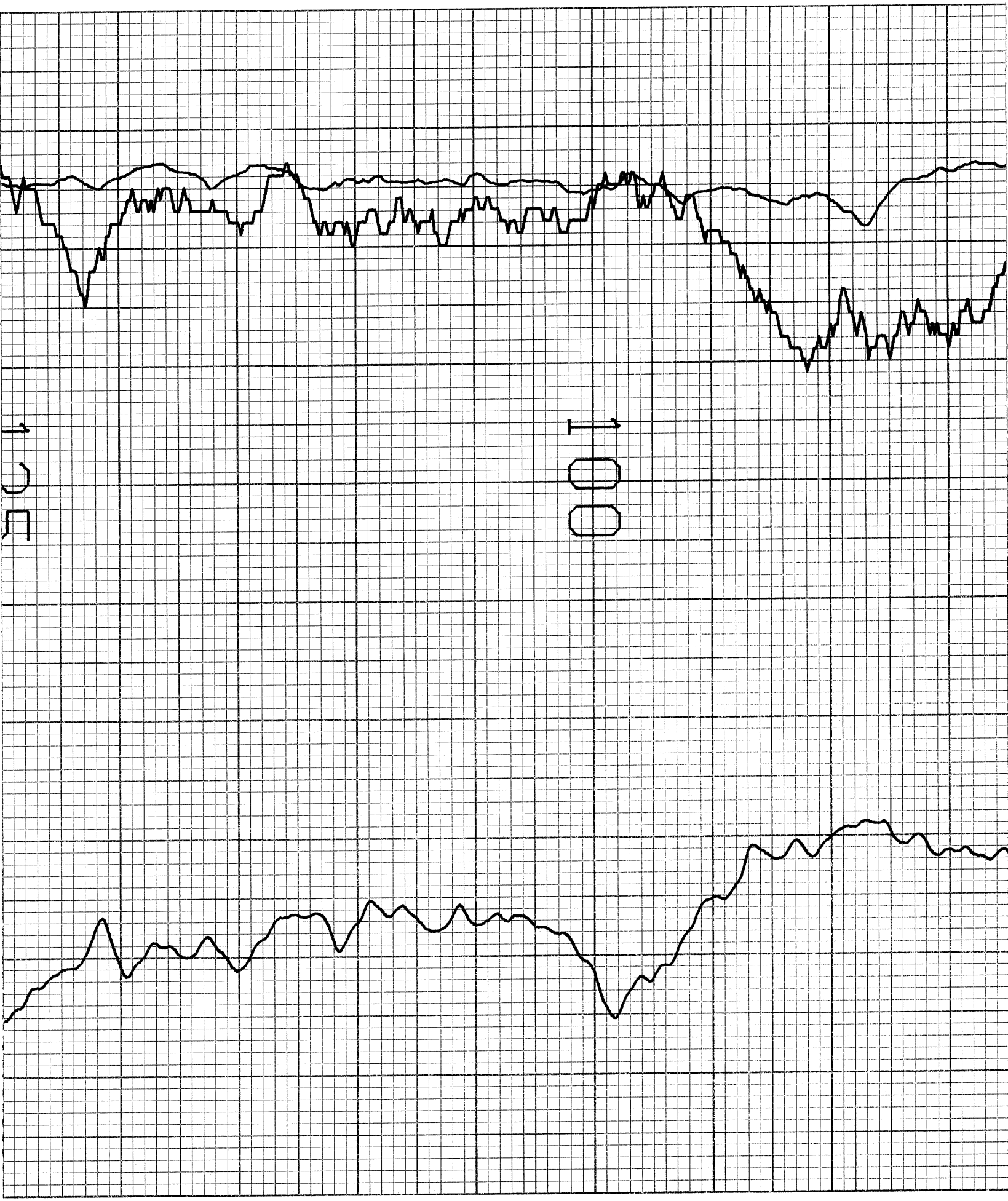

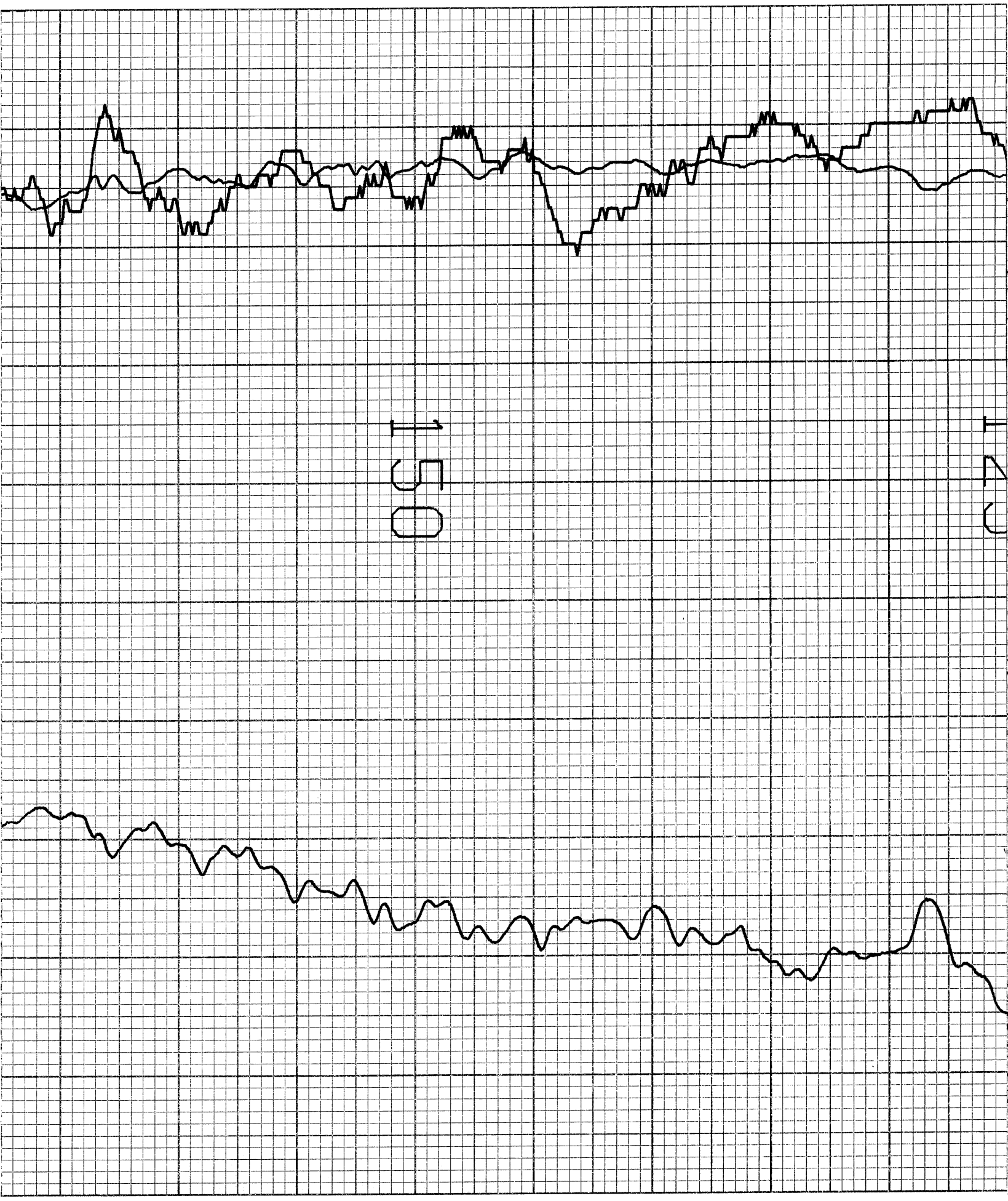

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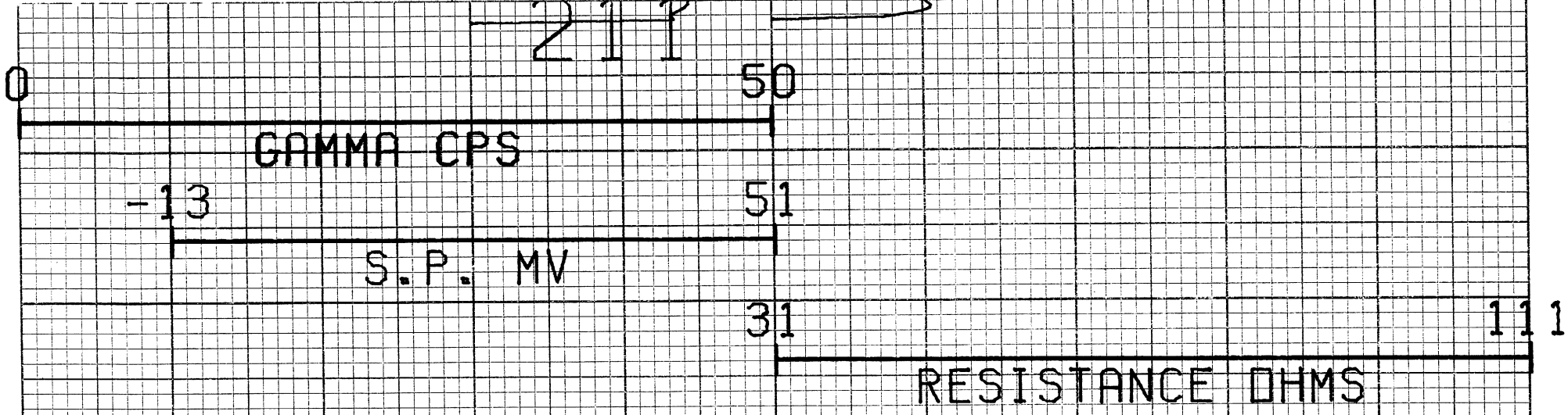

COMPU-LOG V3L9 PLOT 01-28-81

OI-01

BCM/CWDD

OCEANA I

HOLE DIAMETER : 08.8

CAL STD CPS = 0000 CAL RUN CPS = 0000

PROBE # 9010 -093 PROBE CAL BIAS = +00000

TRUCK # 7710
APPL. #1 E
CB HONAKER

DATA: V3L10