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

PROJECT	Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 5
CLIENT	Betz Converse Murdoch, Inc.	PROJ. NO. 80-07203-01
CONTRACTOR	A. C. Schultes and Sons, Inc.	ELEVATION 10.0±
		DATUM Nat'l. Geodedic
		DATE START 1/29/81
		DATE FINISH 2/04/81
		DRILLER J. Kramer
		CWDD REP. L. Rosovsky

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						NO REDUCED E-LOG AVAILABLE	
4							
6					Dark yellow sandy Gravel (GP)		
8							
10							
12					12.0'		
14							
16							
18							
20							
22					Light yellow silty fine to medium Sand to bluish gray clayey fine Sand with shells downward (SP)		
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. PNG-01
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							
42							
44					45.0'		
46							
48							
50					Gray to grayish yellow coarse to fine Sand, little shells, silty upward, intercalated layers of silty fine Sand and sandy Clay (SW)		
52							
54							
56							
58							
60					61.0'		
62							
64							
66							
68							
70					Grayish blue clayey Silt, little mica (MH)		
72							
74							
76							
78							
80					81.0'		
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. PNG-01
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	E - LOG	WELL
84					Grayish blue clayey fine Sand and shells (SC)		
86							
88							
90					90.0'		
92					Greenish gray clayey Silt, little mica (MH)		
94							
96							
98							
100							
102							
104					105.0'		
106					Grayish green sandy Silt, some interspersed shells, intercalated layers of clayey Silt and shells (ML)		
108							
110							
112							
114							
116							
118							
120					120.0'		
122					Bluish gray medium Sand, gravelly, some shells (SP)		
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. PNG-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					130.0'		
132							
134							
136							
138							
140							
142							
144					Grayish green silty fine to medium Sand, intercalated beds of clayey fine Sand (SM)		
146							
148							
150							
152							
154							
156							
158							
160							
162							
164							
166							
168							
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. PNG-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							
182							
184							
186							
188							
190					190.0'		
192					Bluish gray sandy Silt, little shells (ML)		
194							
196					197.0'		
198					Bluish gray clayey fine Sand and shells (SC)		
200							
202							
204					204.0'		

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
PNG-01	3 FEB 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: PNG-01

AREA: DUNGO

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	210'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	210'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	210'	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: 1636		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1706		TP4-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	—	—	

CT-112 REV. 2/11/80

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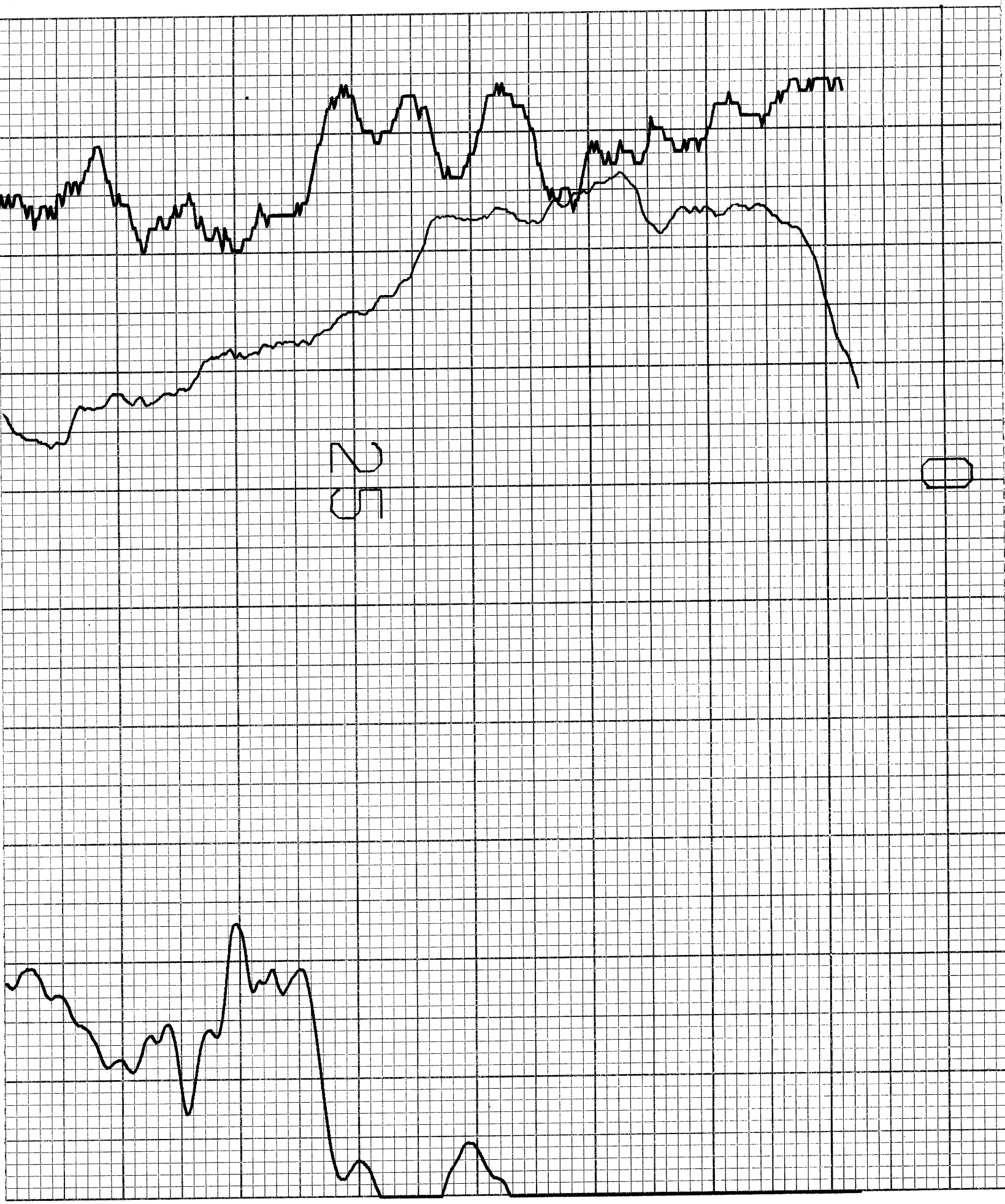

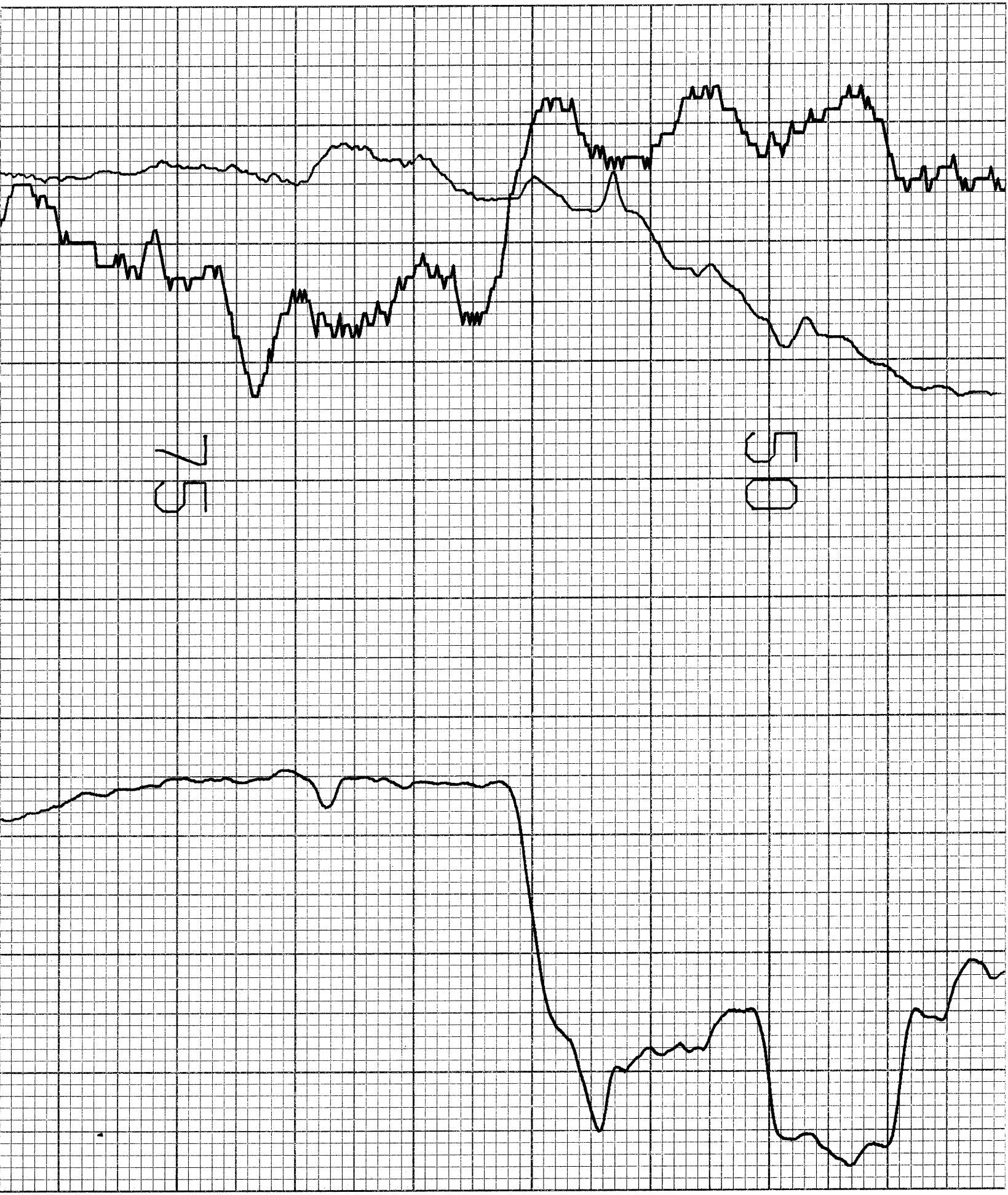

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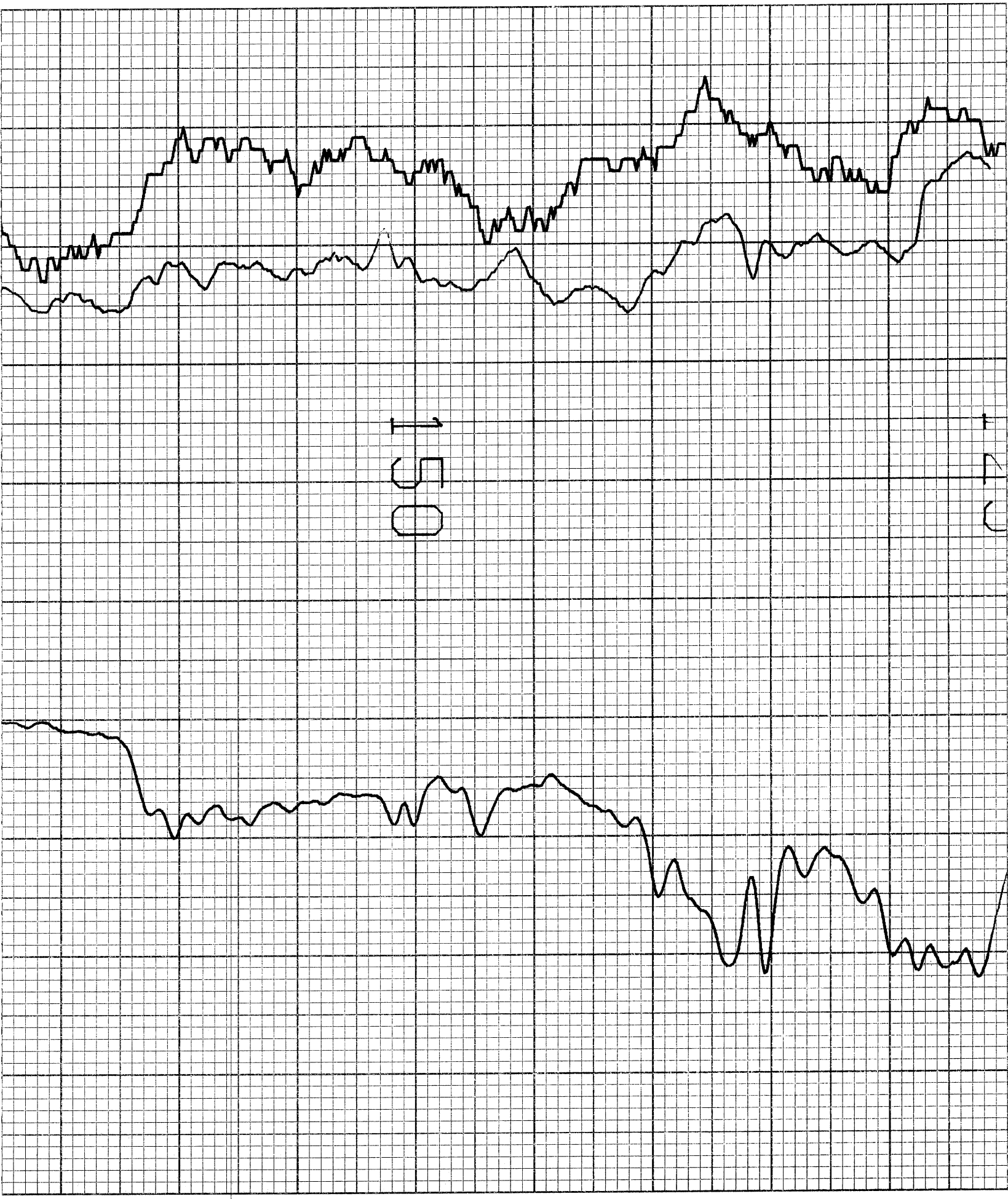

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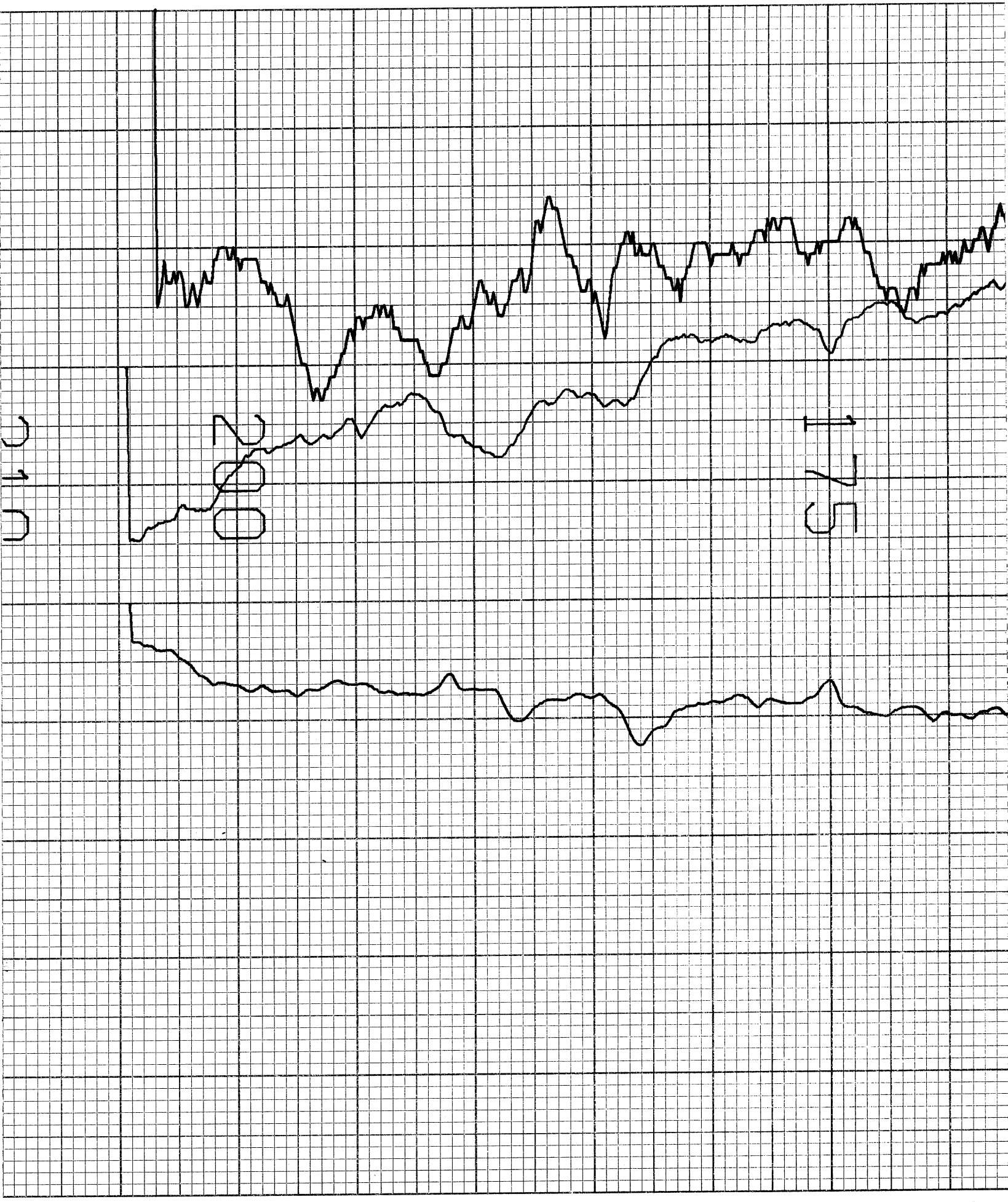

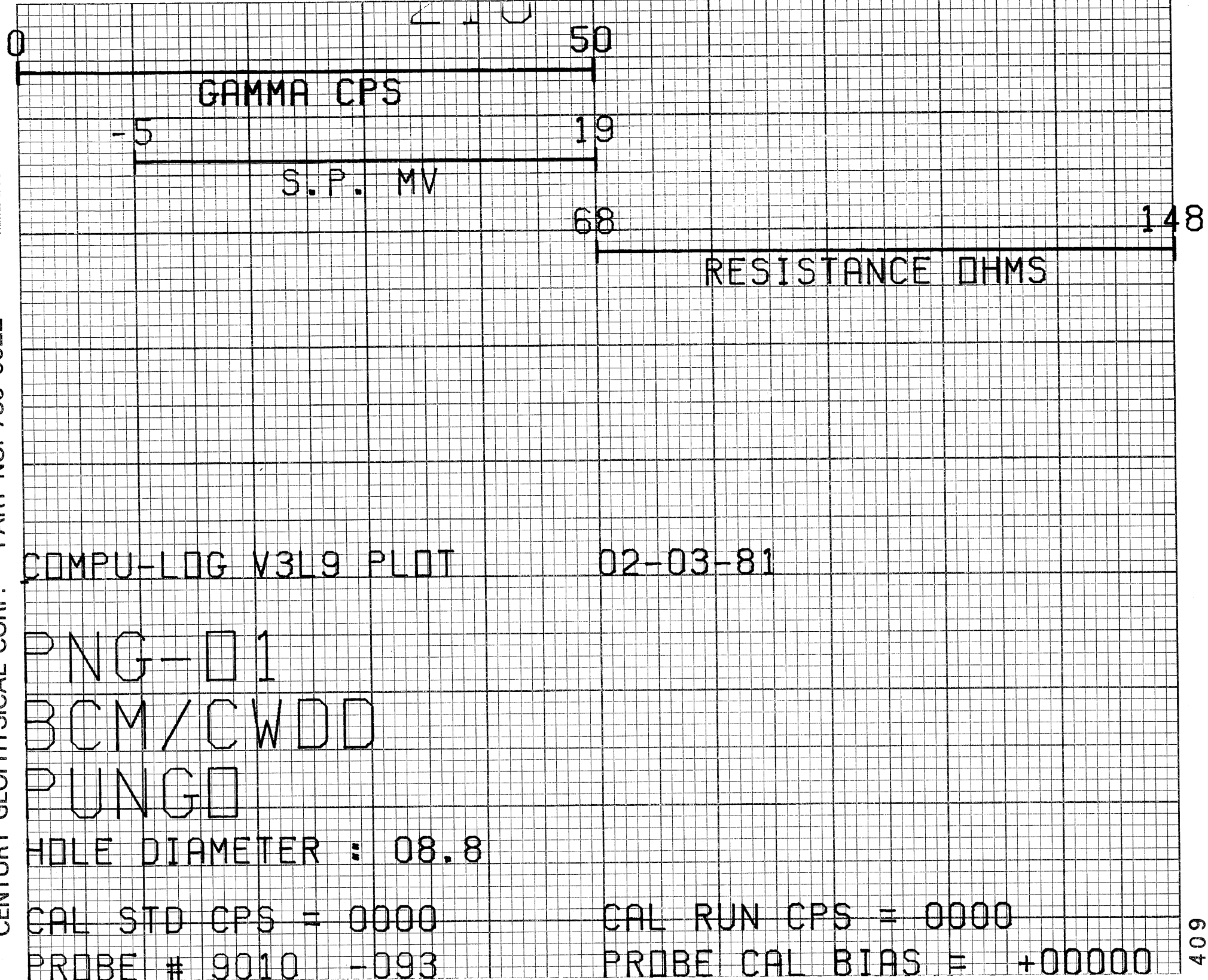

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TRUCK # 7710 DATA: V3L10

APPL. #1 E

CB HONAKER

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