Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-04

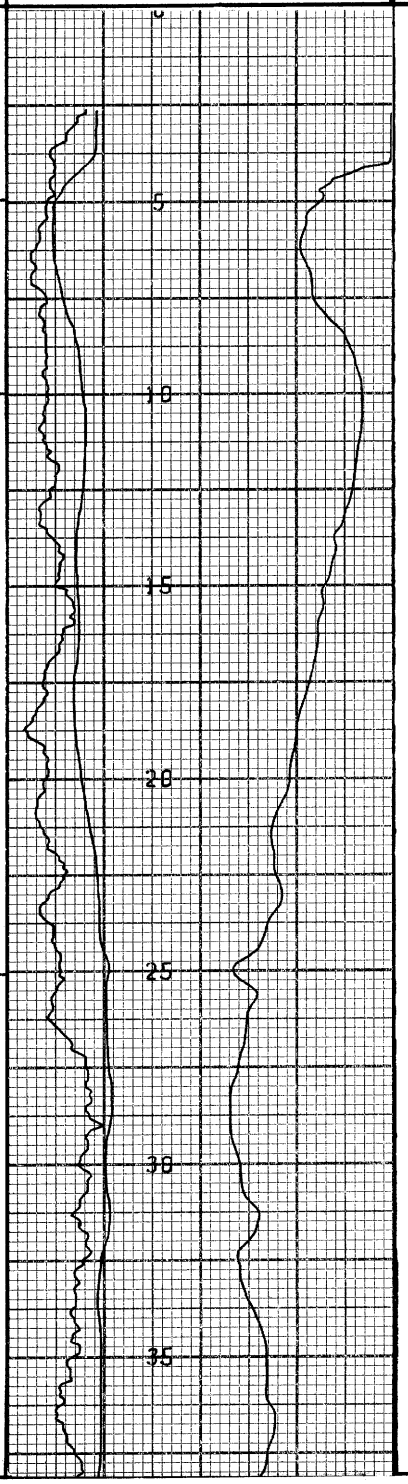
PROJECT	Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 3	
CLIENT	Betz Converse Murdoch, Inc.	PROJ. NO. 80-07203-01	
CONTRACTOR	A. C. Schultes and Sons, Inc.	ELEVATION 10.9	
GROUND WATER		DATUM City of V.B.	
DATE START 2/25/81			
DATE FINISH 2/25/81			
DRILLER E. Kelly			
CWDD REP. S. Oppenheimer			

DATE	TIME	DEPTH	CASING
		4.55	

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
2					Brown silty fine Sand (SM)
4					5.0'
6					Brown silty fine to medium Sand (SP)
8					
10					10.0'
12					
14					Gray clayey fine to medium Sand (SC)
16					
18					
20					
22					
24					25.0'
26					Gray clayey Silt, trace shells, trace mica, intercalated layers of silty fine Sand (MH)
28					
30					
32					
34					
36					
38					

E - LOG



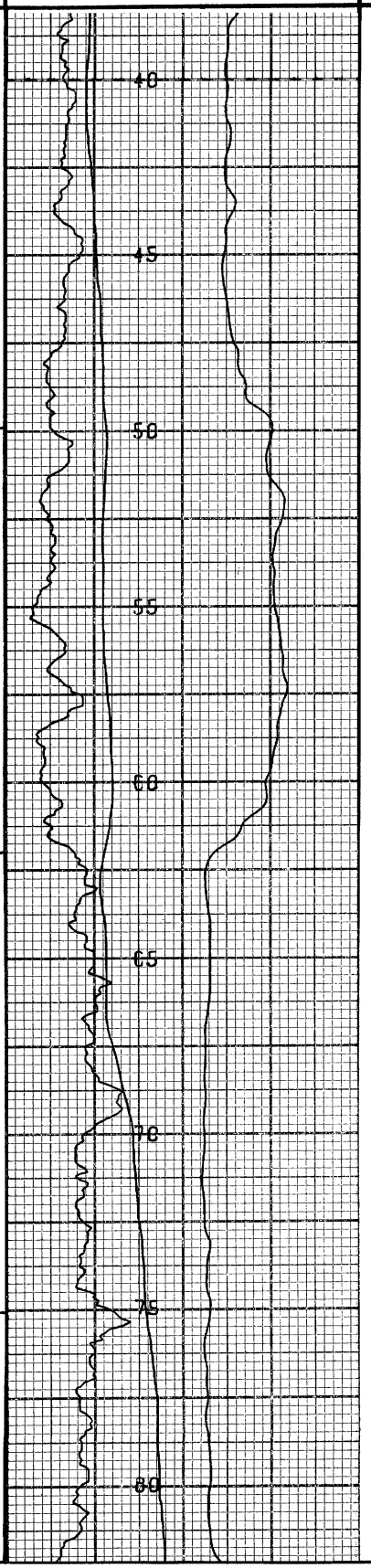
WELL

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

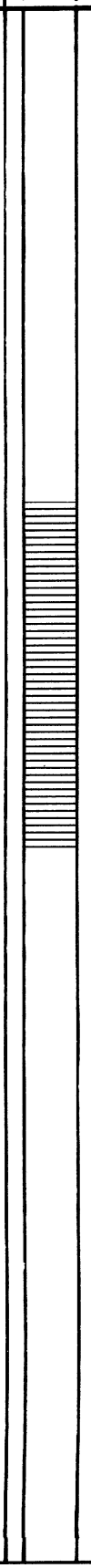
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. W0-04
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 3
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
40					
42					
44					
46					
48					
50					50.0'
52					Light gray coarse to fine Sand (SW)
54					
56					
58					
60					
62					62.0'
64					Gray Silt, trace mica, some shells (MH)
66					
68					
70					
72					
74					75.0'
76					Greenish gray sandy Silt, trace mica, trace shells (ML)
78					
80					
82					

E - LOG



WELL



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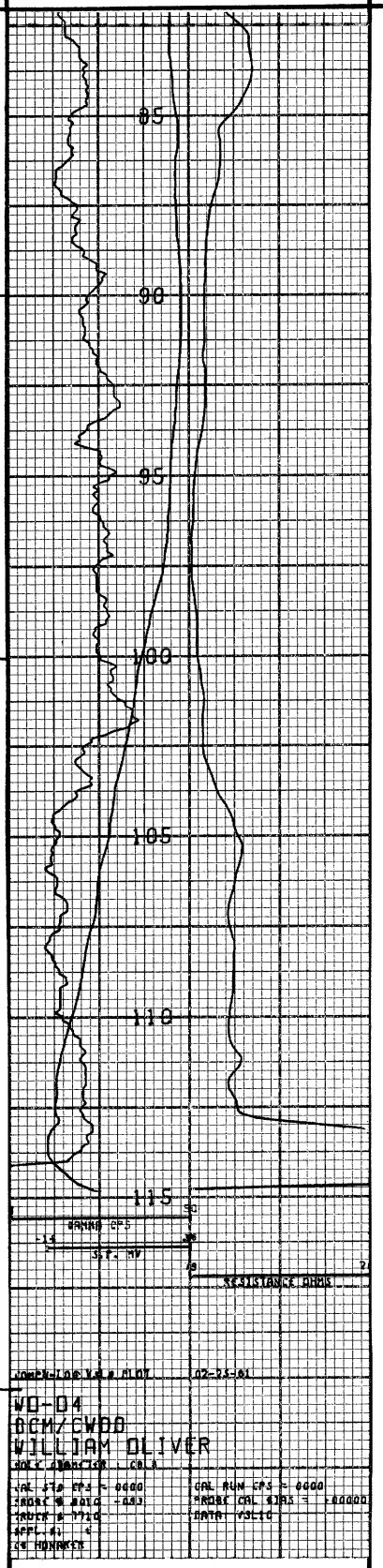
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-04
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 3
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
84							
86							
88							
90					90.0'		
92					Greenish gray clayey Silt, trace mica (MH)		
94							
96							
98							
100					100.0'		
102					Grayish green silty fine to medium Sand, some shells (SM)		
104							
106							
108							
110							
112							
114							
116							
118							
120					120.0'		



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CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
WO-04	25 FEB 81
UNIT/OPERATOR	FIELD OFFICE
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: WO-04

AREA: WILLIAM OLIVER

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	120'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	115'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	115'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	22.5 @ 54°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1148		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1212		TP 12-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 $\times 10^{-5}$		—		
	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	—	—

CT-112 REV. 2/11/80

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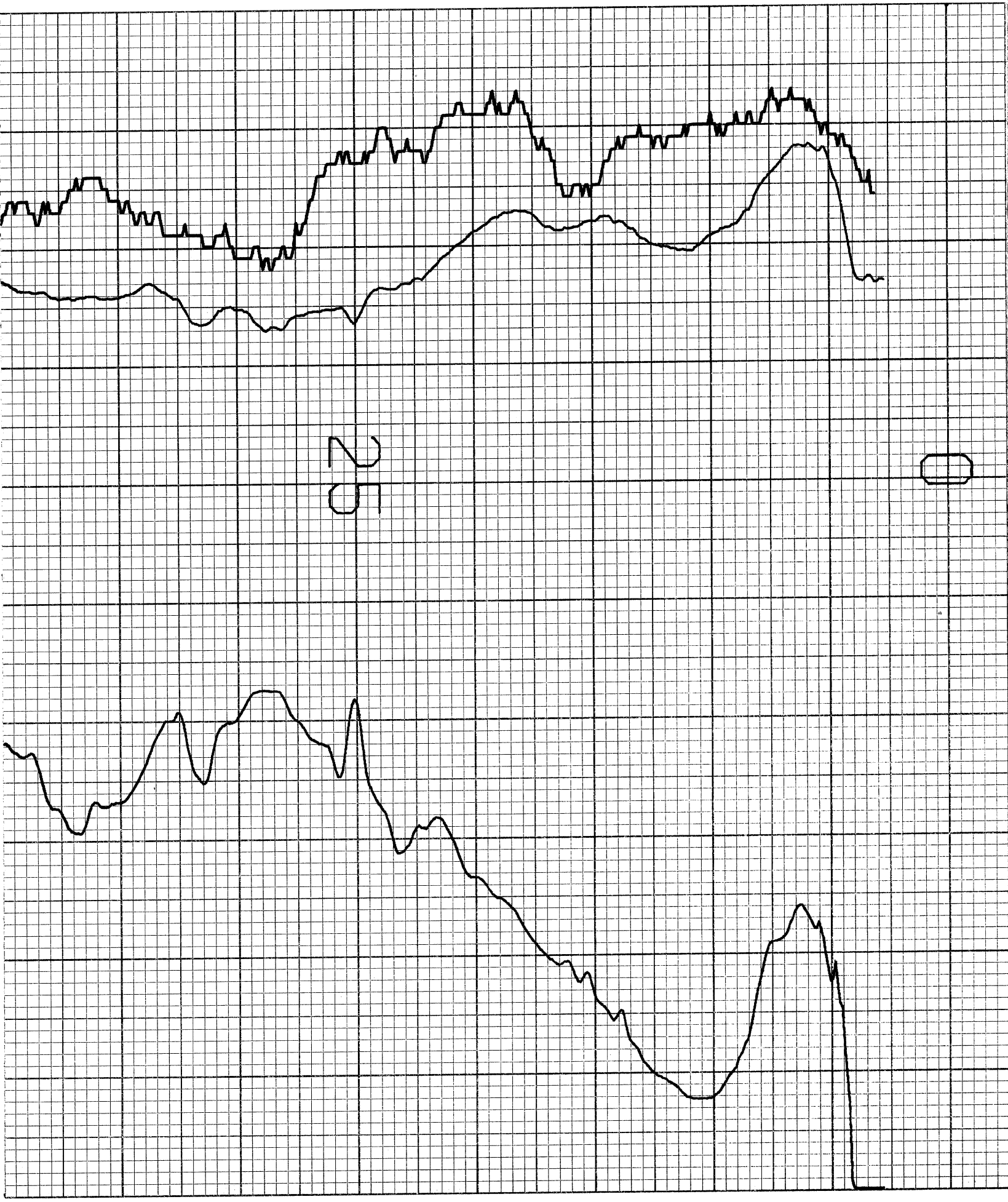

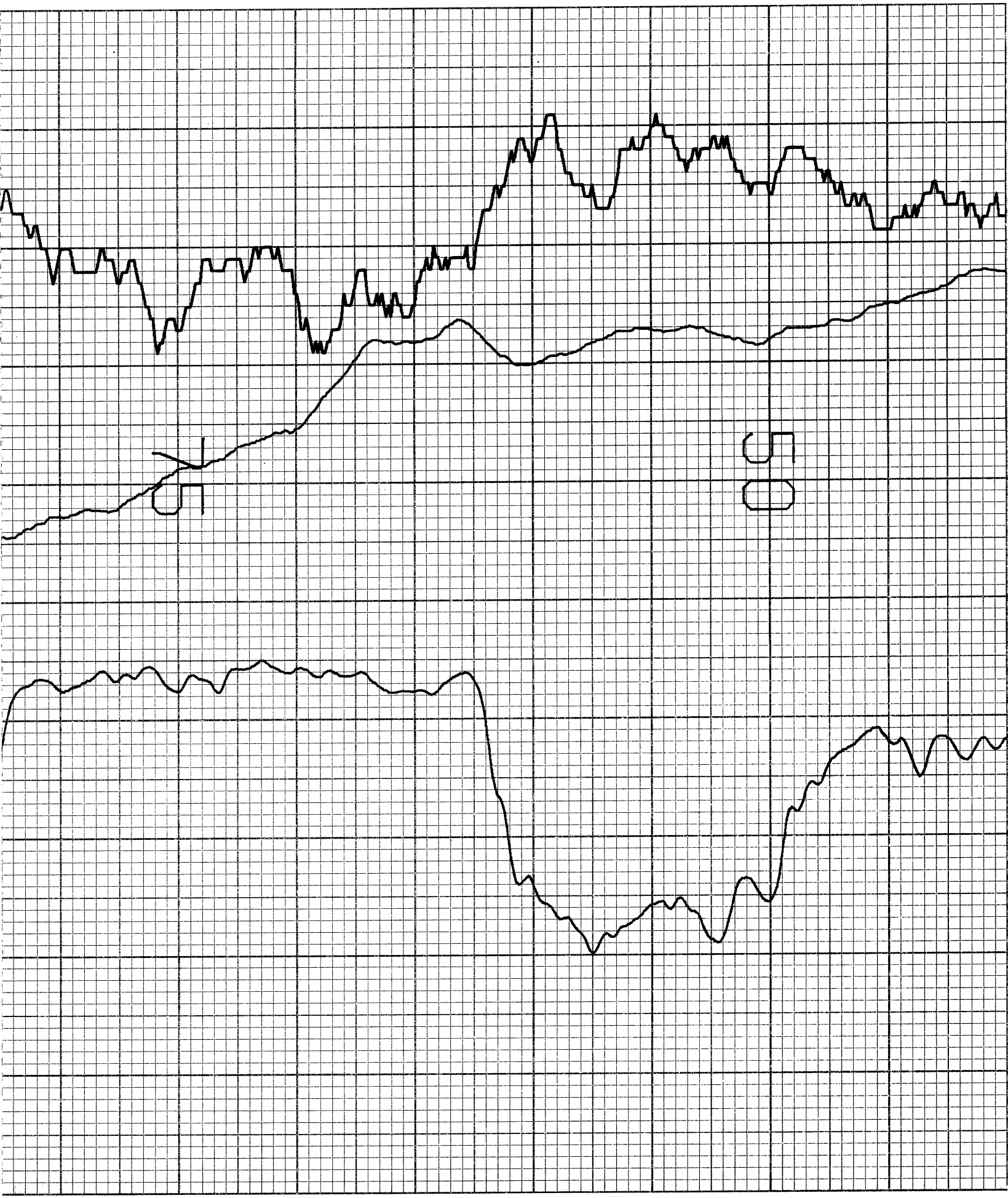

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RESISTANCE OHMS

COMPU-LOG V3L9 PLOT 02-25-81

WO-04

BCM/CWOD

WILLIAM OLIVER

HOLE DIAMETER : 08.8

CAL STD CPS = 0000 CAL RUN CPS = 0000

PROBE # 9010 -093 PROBE CAL BIAS = +00000

TRUCK # 7710 DATA: V3L10

APPL. #1 E

CB HONAKER