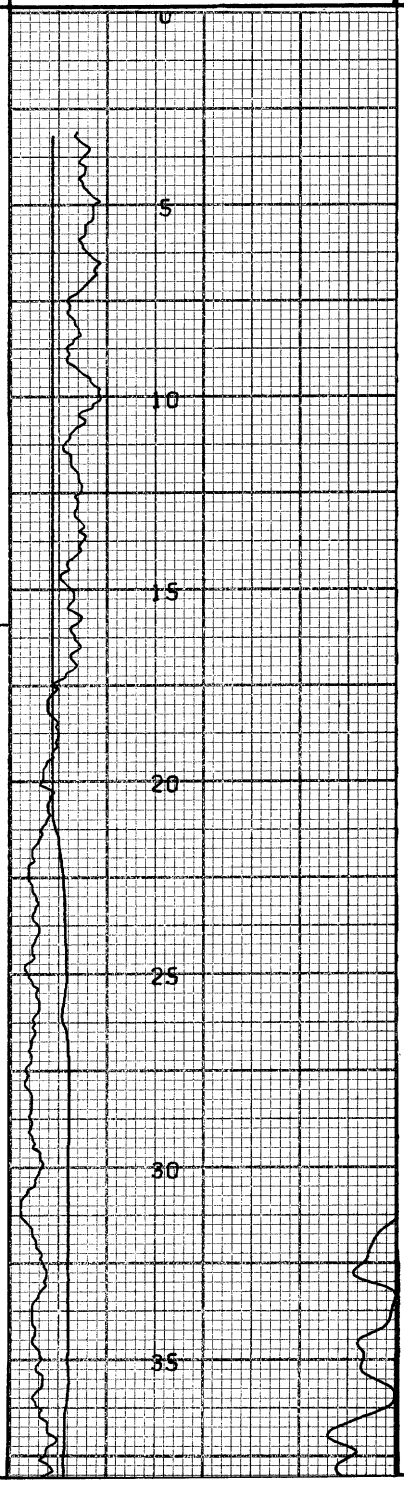
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. CM-T7P1

PROJECT Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 3
CLIENT Betz, Converse, Murdoch, Inc.	PROJ. NO. 80-07203-01
CONTRACTOR Warren George, Inc.	ELEVATION 13.2
	DATUM City of V.B.
	DATE START 3/3/81
	DATE FINISH 3/4/81
	DRILLER E. Tomkins
	CWDD REP. R. Bedone

GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE
DATE	TIME	DEPTH	CASING	TYPE				
				DIA.				
				WT.				
				FALL				

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2							
4							
6							
8							
10							
12							
14					Brown sandy silt (ML) 16.0		
16							
18							
20							
22							
24							
26							
28							
30							
32							
34							
36							
38							

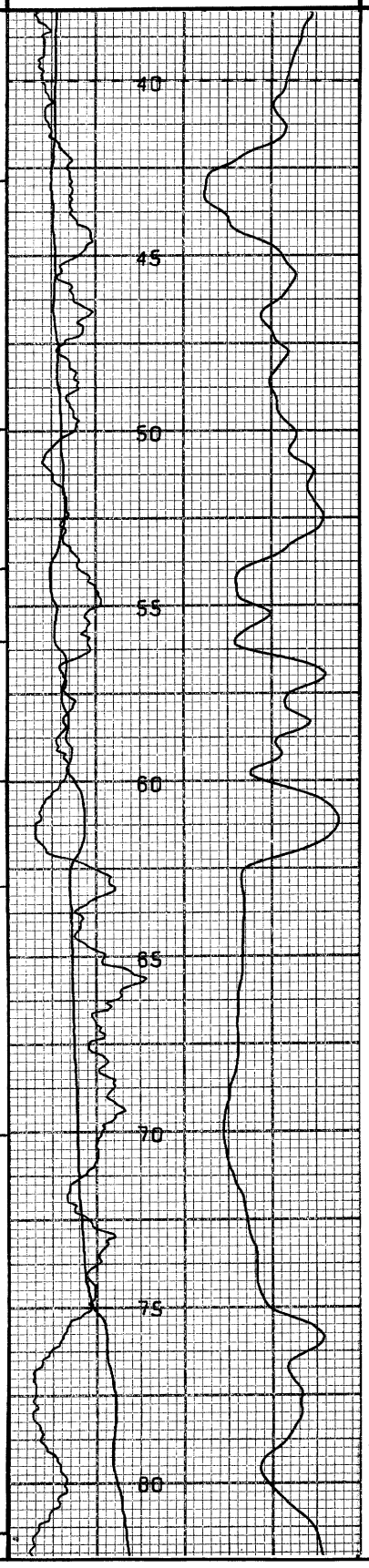


FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

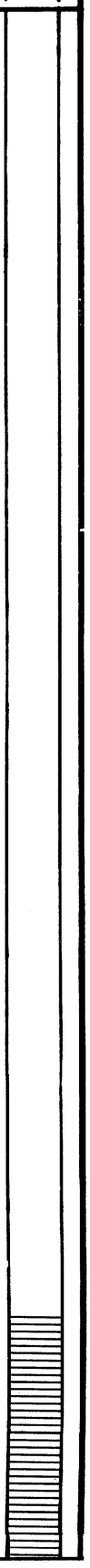
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. CM-T/P1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 3
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
40					Gray silty fine to medium Sand (SP) 43.0
42					
44					
46					
48					Gray silty fine to medium Sand (SM) 50.0
50					
52					Light gray fine to medium Sand (SP) 54.0
54					Gray sandy clay (CL) 56.0
56					
58					Gray silty fine to coarse Sand trace shells (SM) 60.0
60					Gray fine to coarse Sand (SP) 63.0
62					
64					
66					
68					Greenish gray sandy silt (ML) 70.0
70					
72					
74					
76					
78					Greenish gray silty fine to medium Sand, little shells (SM)
80					80.0
82					

E - LOG



WELL



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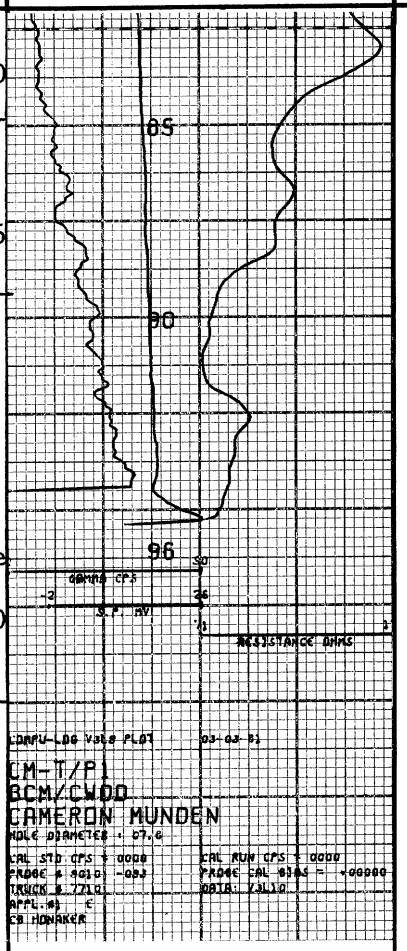
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. CM-T/P1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 3
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
84					Greenish gray coarse to fine Sand, some shells (SW) 85.0		
86					Greenish gray silty fine to medium Sand, some shells (SM) 89.6		
88							
90							
92							
94							
96					Grayish green sandy silt, trace shells (ML) 100.0		
98							
100							
102							
104							
106							
108							
110							
112							
114							
116							
118							
120							
122							
124							
126							



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CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
CM-T/P1	3 MAR 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: CM-T/P1

AREA: CAMERON MUNDEN

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	100'	BIT SIZE	7 3/4"
TOTAL DEPTH — LOGGER	96'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	96'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	20.0 @56°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1530		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1554		TP 14-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 $\times 10^{-5}$		—			
	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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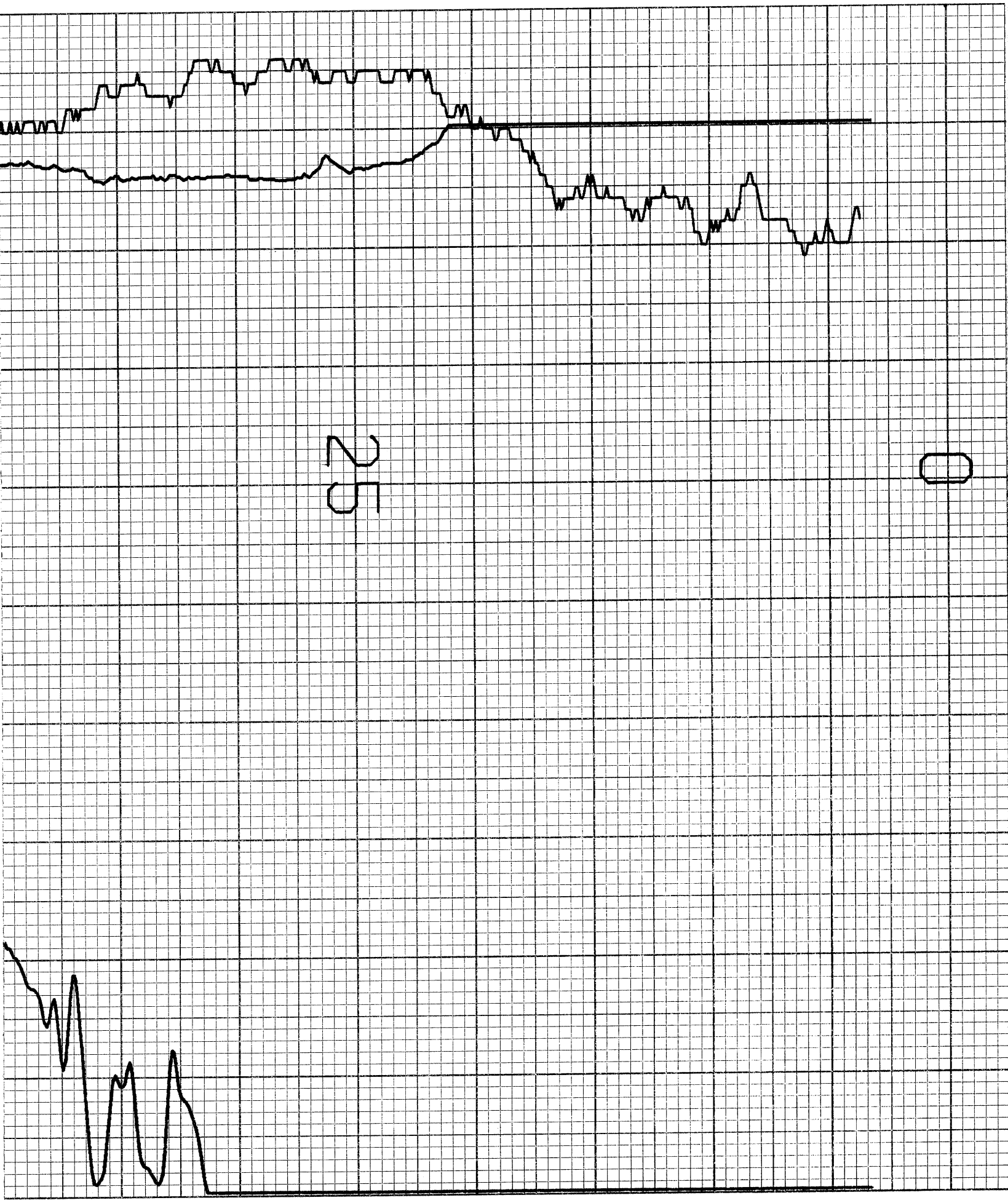
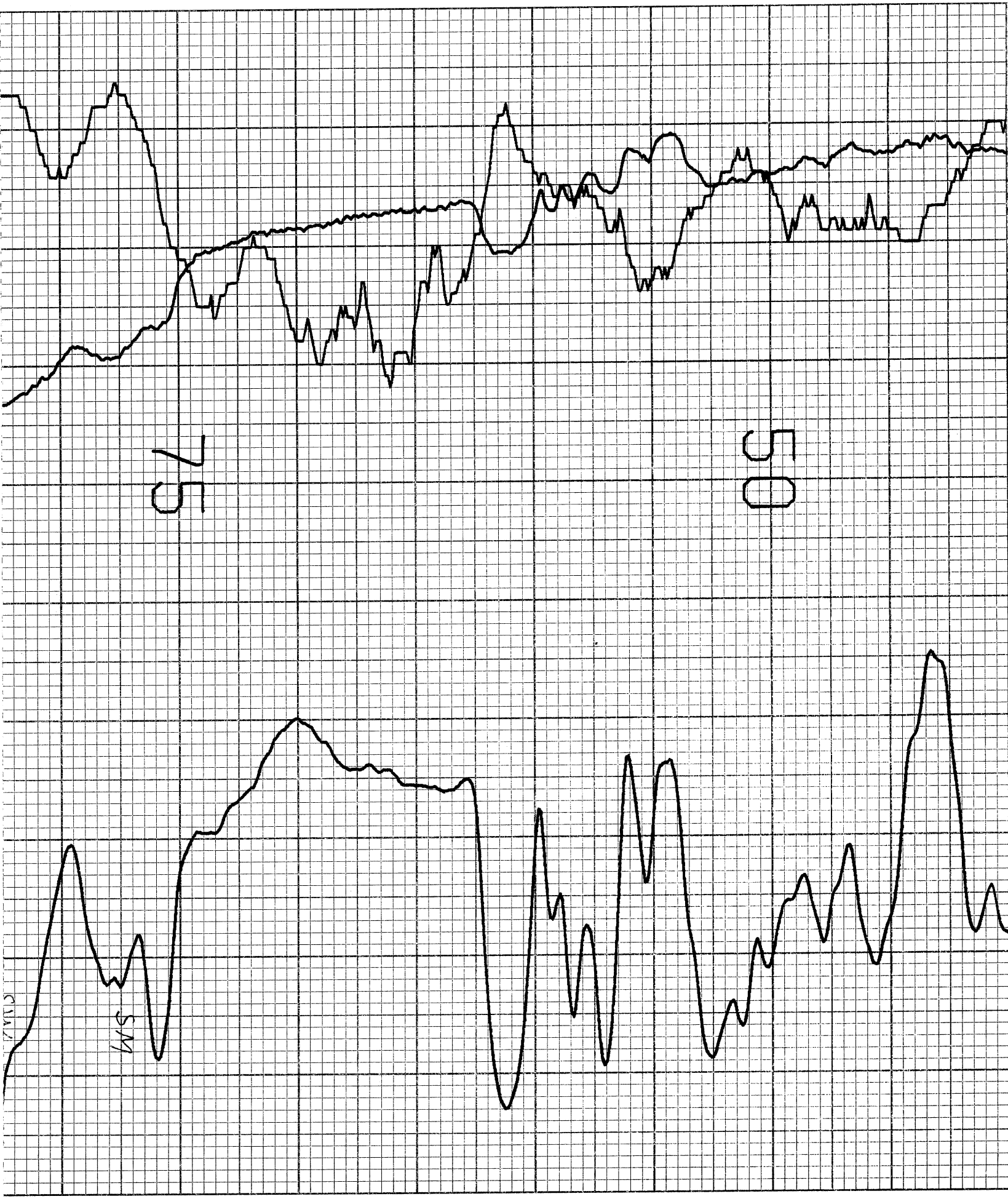
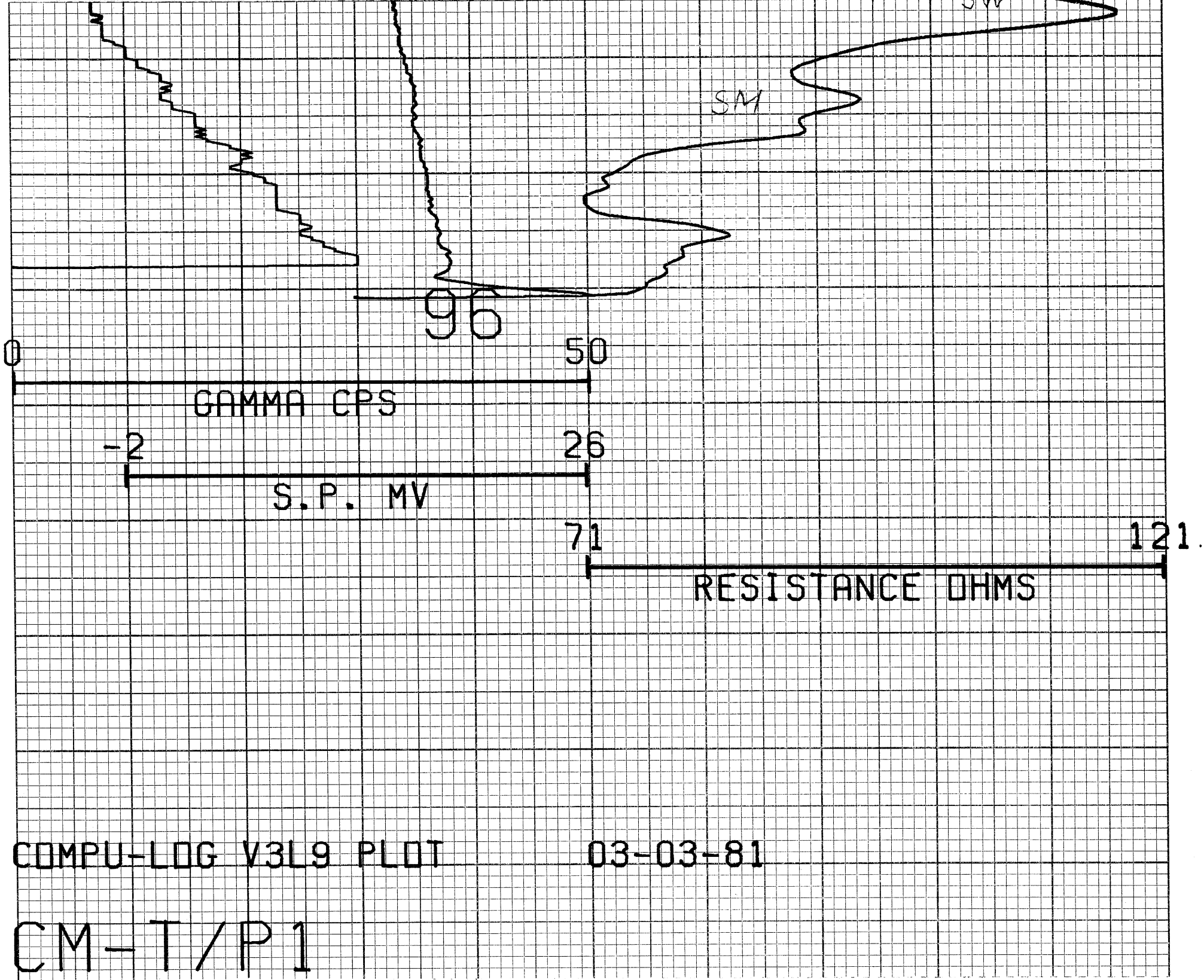



SM



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BCM/CWDD
CAMERON MUNDEN
HOLE DIAMETER : 07.8

CAL STD CPS = 0000 CAL RUN CPS = 0000
PROBE # 9010 -093 PROBE CAL BIAS = +00000
TRUCK # 7710 DATA: V3L10
APPL.#1 E
CB HONAKER

CENTURY GEOPHYSICAL CORP. PART NO. 786-0022 PRINTED IN U.S.A. 03