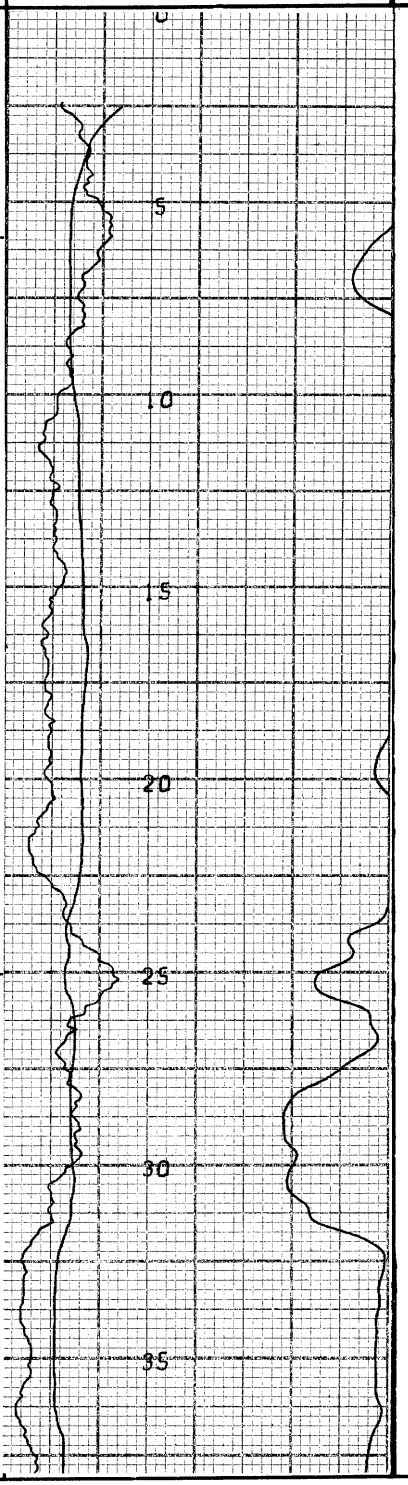
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LM-02

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. Shultes and Sons, Inc.	ELEVATION 5.0'±
	DATUM Nat'l Geodedic
	DATE START 3/3/81
	DATE FINISH 3/4/81
	DRILLER J. Kramer
	CWDD REP. R. Landle

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					Brown clayey fine Sand, trace roots (ML) 6.0		
4							
6							
8							
10							
12							
14							
16							
18							
20					Light gray silty medium to fine Sand (SP) 25.0		
22							
24							
26							
28							
30							
32							
34							
36							
38							

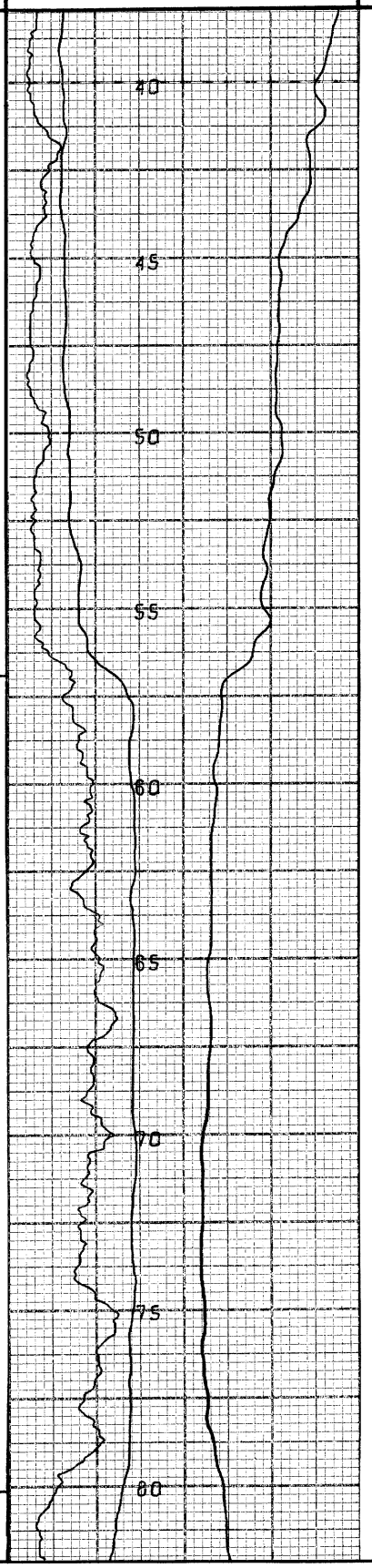


FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

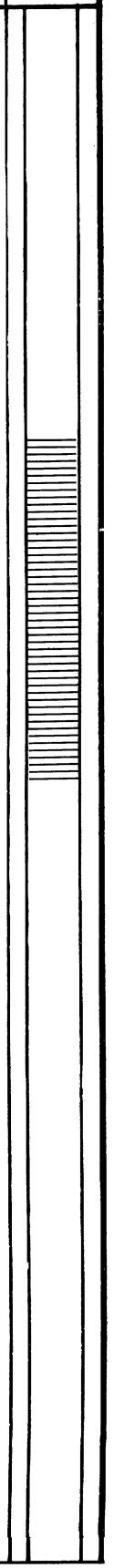
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LM-02
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 3
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
40					
42					
44					
46					
48					
50					
52					
54					Gray coarse to fine Sand, silty upward and downward, trace shells, intercalated layers of clayey silt (SM) 57.0
56					
58					
60					
62					
64					
66					
68					
70					
72					
74					
76					Greenish gray silt, sandy upward and downward, trace mica (ML) 80.0
78					
80					
82					

E - LOG



WELL



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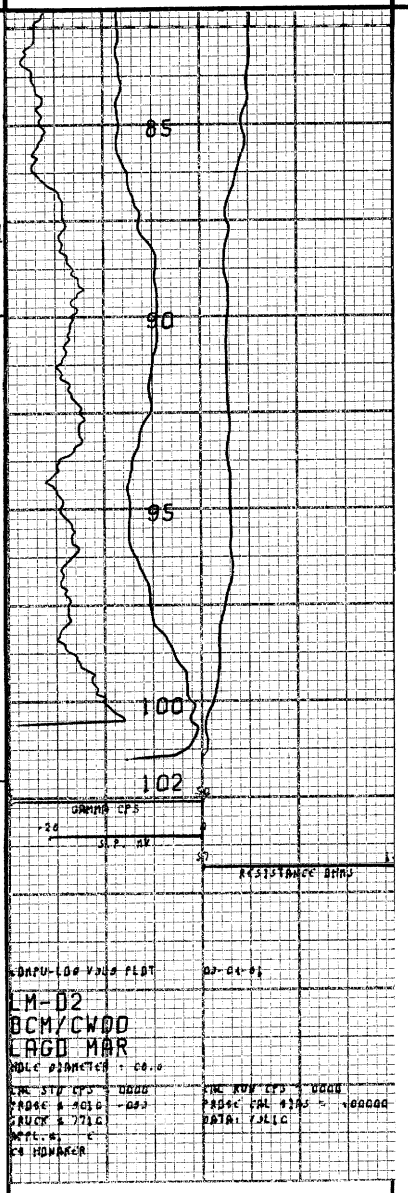
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LM-02
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 3
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
84							
86							
88					Dark gray silty coarse to fine Sand, trace shells, intercalated layers of sandy silt (SM) 90.0		
90							
92							
94							
96							
98					Bluish green sandy clay, some shells CL) 102.0		
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
LM-02	4 MAR 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: LM-02

AREA: LAGO MAR

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	102'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	102'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	102'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	23.2 @50°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1300		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1324		TP 15-TK2	

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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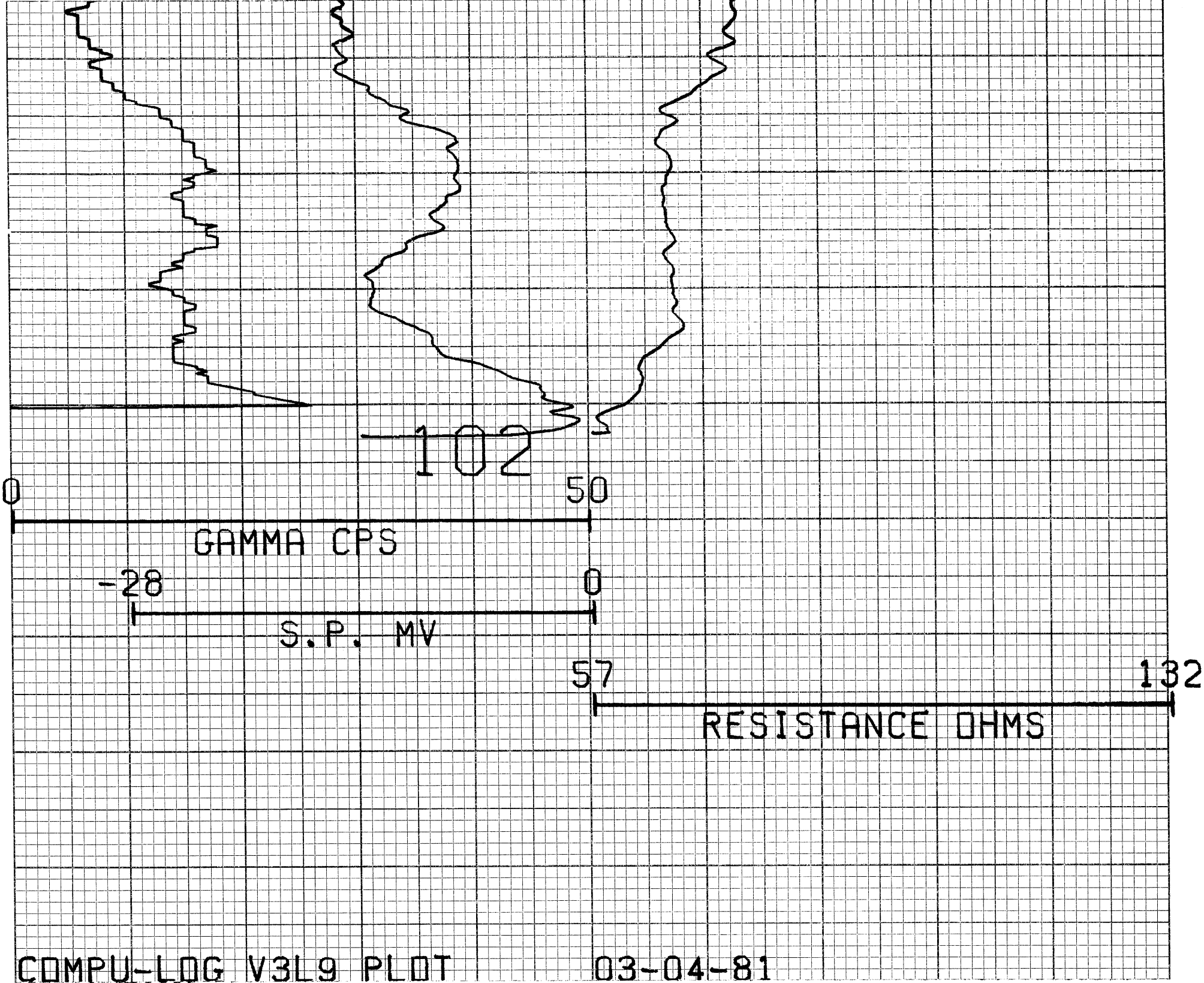

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LM-02
BCM/CWDD
LAGO MAR
HOLE DIAMETER : 08.8

CAL STD CPS = 0000
PROBE # 9010 -093
TRUCK # 7710
APPL.#1 E
CB HONAKER

CAL RUN CPS = 0000
PROBE CAL BIAS = +00000
DATA: V3L10

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