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

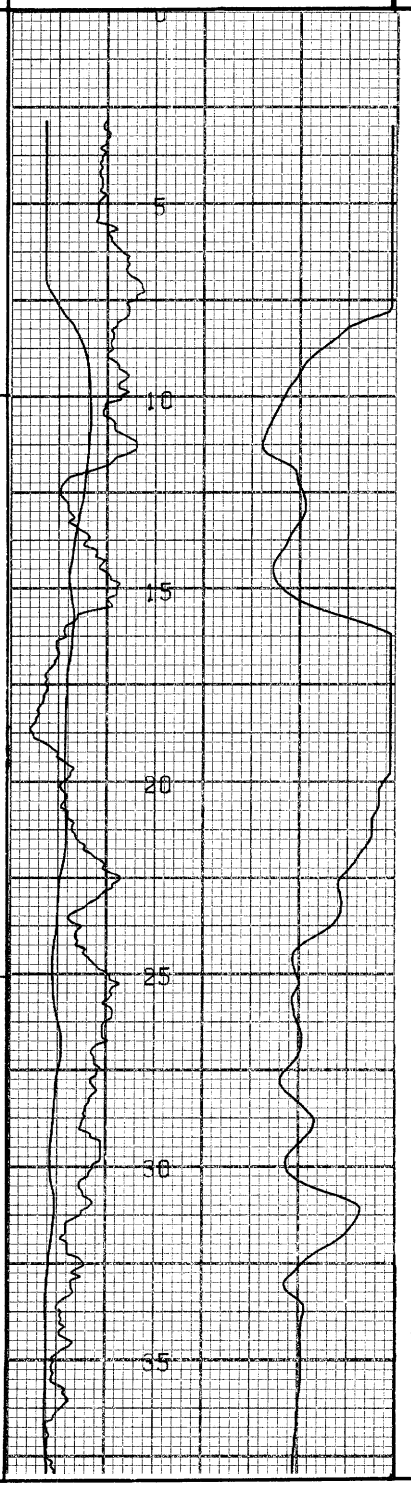
PROJECT Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 3
CLIENT Betz, Converse, Murdoch, Inc.	PROJ. NO 80-07203-01
CONTRACTOR A. C. Shultes and Sons, Inc.	ELEVATION 5.0' ±
GROUND WATER	DATUM Nat'l Geodedic
	DATE START 2/3/81
	DATE FINISH 2/4/81
	DRILLER Ed Kelly
	CWDD REP. S.D.O.

DATE	TIME	DEPTH	CASING

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					
4					
6					
8					Light brown clayey fine Sand, trace roots (ML) 10.0
10					
12					
14					
16					
18					
20					
22					Gray silty fine to medium Sand, clayey upward (SP) 25.0
24					
26					
28					
30					
32					
34					
36					
38					

E - LOG



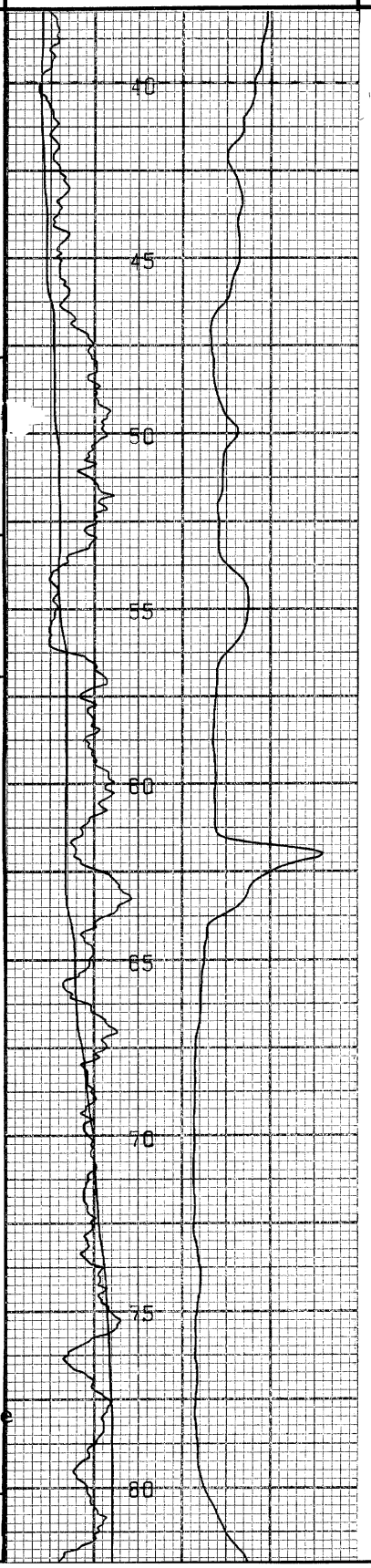
WELL

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

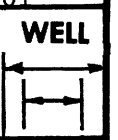
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LM-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 3
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
40					
42					
44					Gray silty coarse to fine Sand, intercalated layers of clayey silt, trace shells (SM) 48.0
46					
48					
50					Gray clayey silt, trace mica (MH) 53.0
52					
54					Gray silty fine to medium Sand, trace shells (SM) 57.0
56					
58					
60					
62					
64					
66					
68					
70					
72					
74					
76					
78					Gray to graish green silt, sandy upward and downward, trace mica, trace shells (ML) 80.0
80					
82					

E - LOG



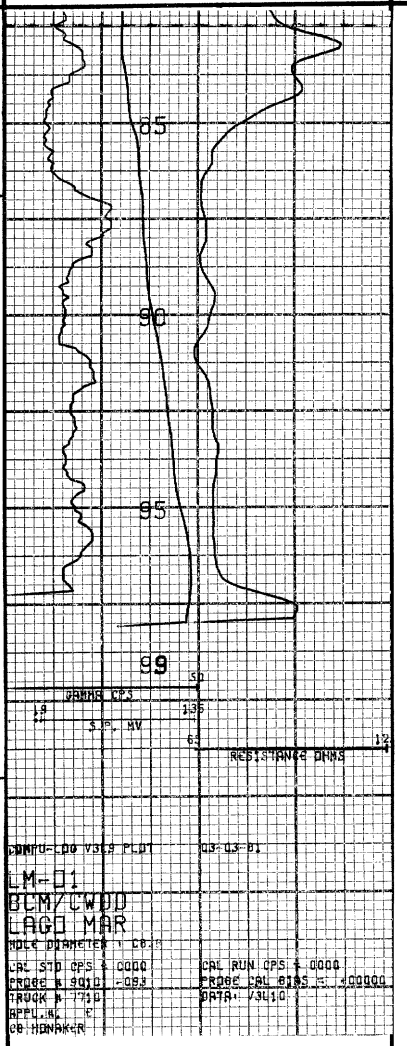
WELL



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. LM-01
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					Grayish green coarse to fine Sand and shells (SW) 97.0		
86							
88							
90							
92							
94							
96							
98					Greenish gray sandy silt, inter calated layers of Sand, trace shells, mica (ML) 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-01	3 MAR 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HOWAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: LM-01

AREA: LAGO MAR

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	100'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	99'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	99'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	220 @ 54°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1630		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1654		TD 15-TK1	

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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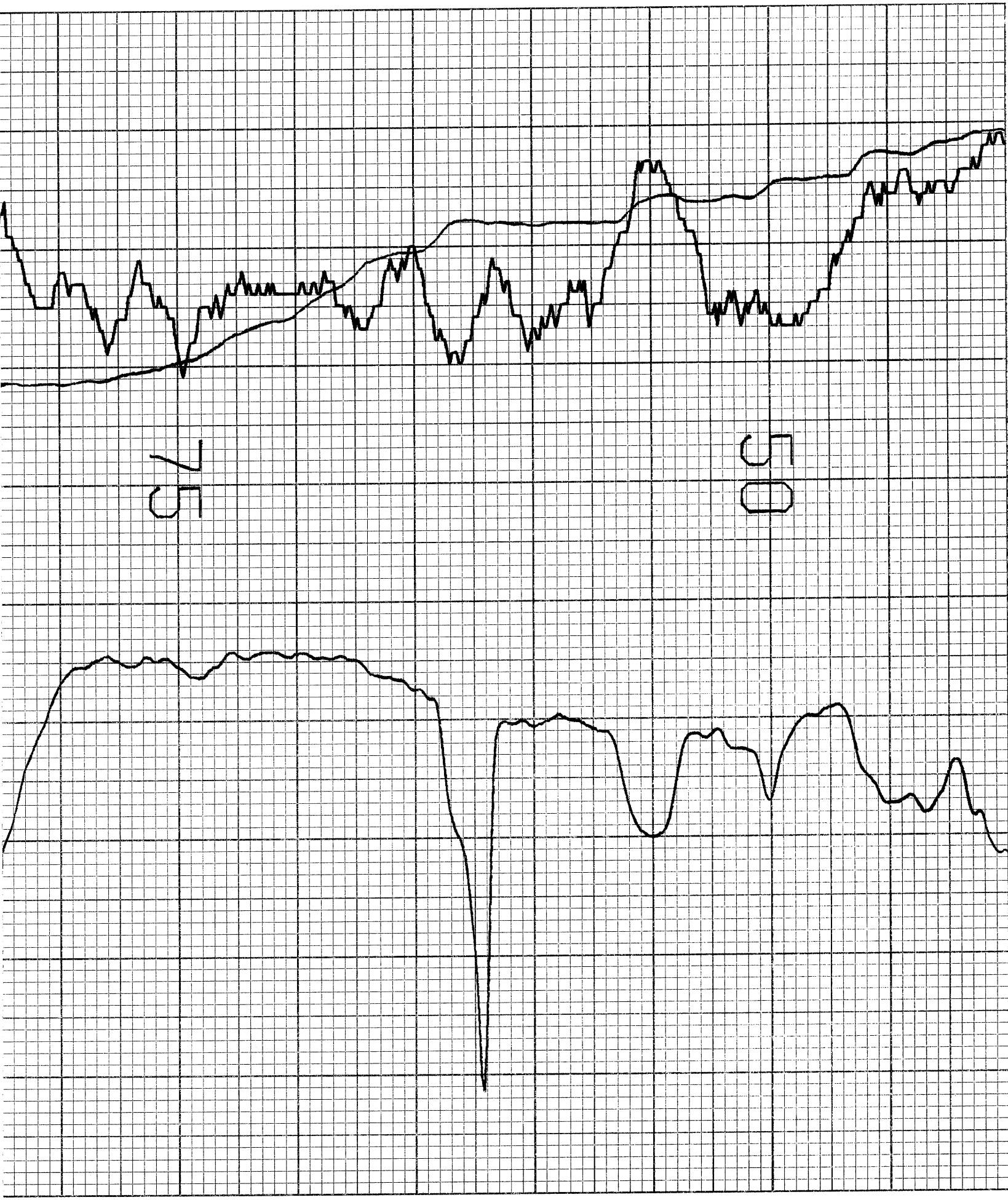

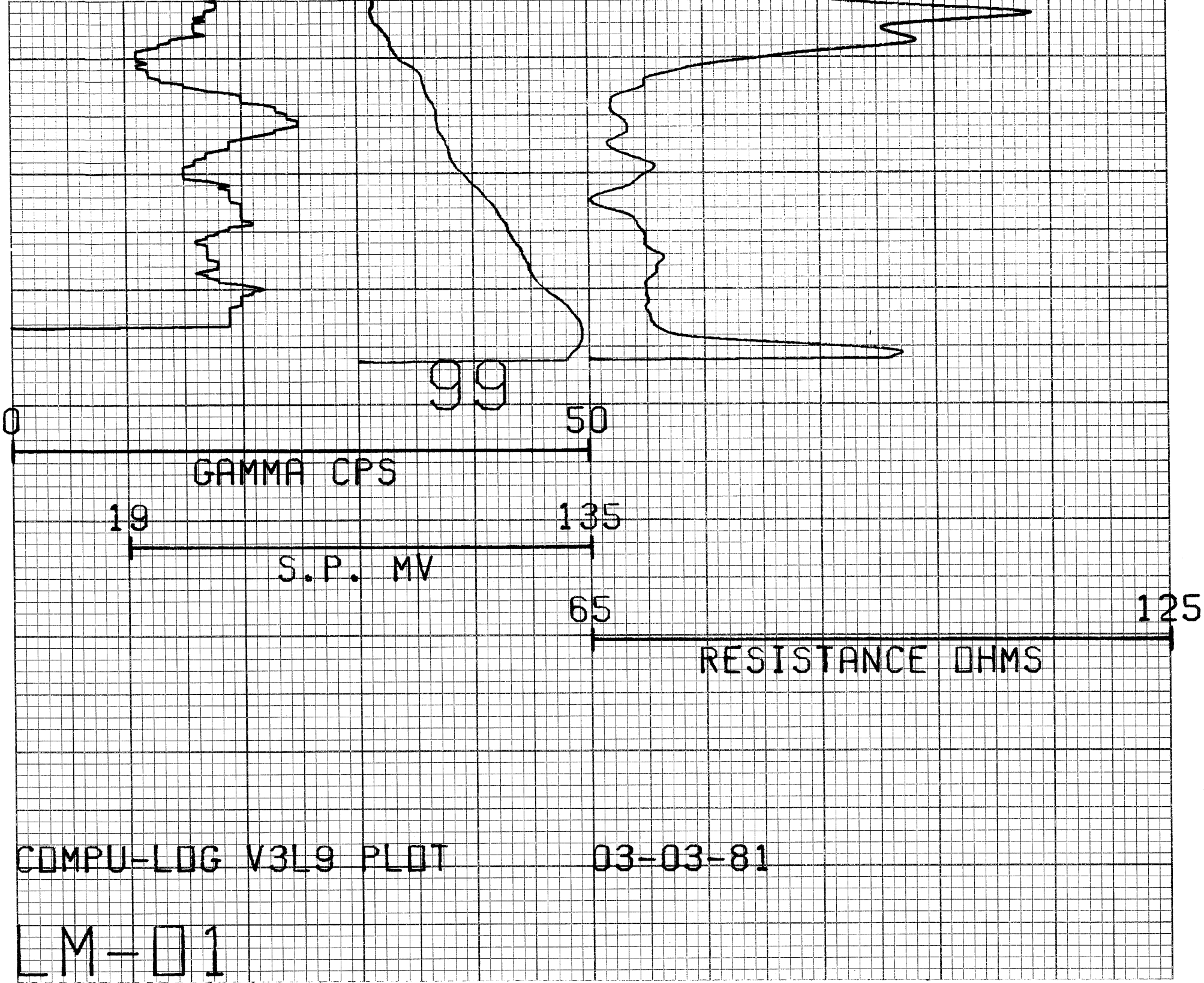

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BCM/CWDD
LAGO MAR

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

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