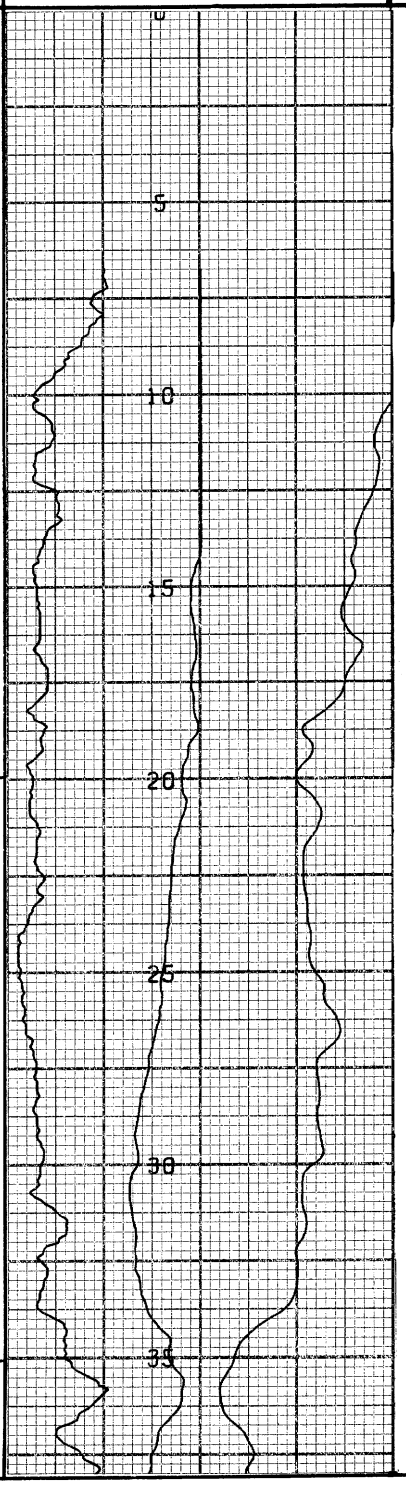
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-08

PROJECT	Virginia Beach Groundwater Development Project (Phase I)								SHT. NO. 1 OF 4
CLIENT	Betz Converse Murdoch, Inc.								PROJ. NO. 80-07203-01
CONTRACTOR	A. C. Schultes and Sons, Inc.								ELEVATION 15±
GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE	DATUM Nat'l. Geodedic
DATE	TIME	DEPTH	CASING	TYPE	MUD	S.S.			DATE START 2/19/81
				DIA.		2"			DATE FINISH 2/19/81
				WT.		140#			DRILLER E. Kelly
				FALL		30"			CWDD REP. S. Oppenheimer

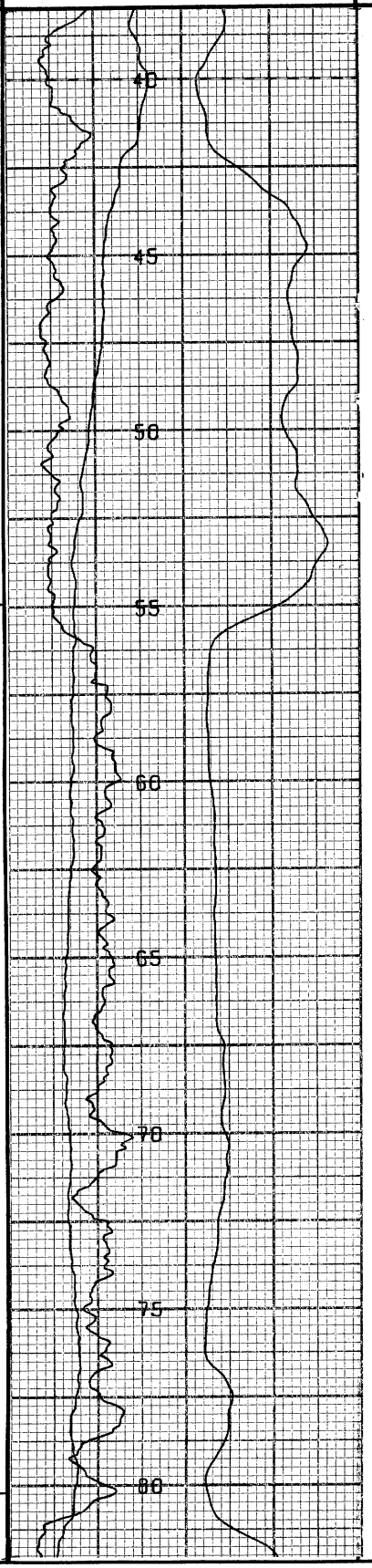
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2					Dark brown to light gray silty fine to medium Sand, clayey downward (SC)		
4							
6							
8							
10							
12							
14							
16							
18							
20					20.0'		
22					Gray silty coarse to fine Sand, intercalated layers of sandy Silt (SP)		
24							
26							
28							
30							
32							
34					35.0'		
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. LC-08
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 4
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					Gray sandy Silt, some wood fragments (ML)		
42					42.0'		
44					Gray coarse to fine Sand, intercalated layers of sandy Silt, some wood (SW)		
46							
48							
50							
52							
54					55.0'		
56					Greenish gray Silt, intercalated layers of sandy Silt (MH)		
58							
60							
62							
64							
66							
68							
70							
72							
74							
76							
78							
80					80.0'		
82							



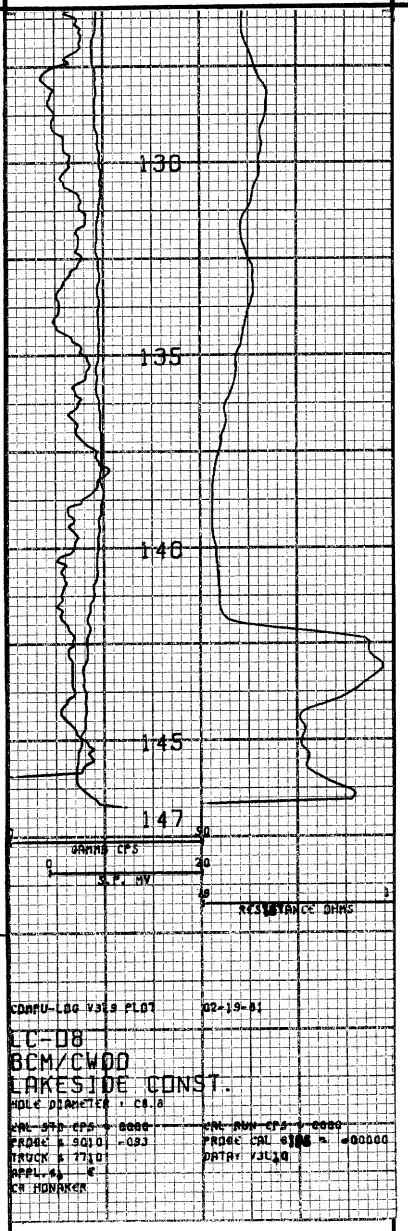
FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-08
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 4
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, and shells (SW)		
86					85.0'	85	
88							
90						90	
92					Greenish gray sandy Clay, intercalated layers of silty Sand (CL)		
94							
96						95	
98							
100						100	
102							
104					105.0'		
106						105	
108					Grayish green silty fine to medium Sand and shells (SP)		
110						110	
112							
114					115.0'		
116						115	
118					Gray sandy Silt, some shells (ML)		
120						120	
122							
124					125.0'		
126						125	

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. LC-08
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 4
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					Grayish green clayey fine Sand and shells (SC)		
130							
132							
134							
136							
138							
140							
142							
144							
146							
148							
150					150.0'		

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
LC-08	19 FEB 81
UNIT/OPERATOR	**FIELD OFFICE**
770/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: LC-08

AREA: LAKESIDE CONST.

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION | TOWNSHIP | RANGE

HOLE DATA

TOTAL DEPTH — DRILLER	150'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	147'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	147'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	23.4 @ 58°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1518		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1548		TP 9-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 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	—	—

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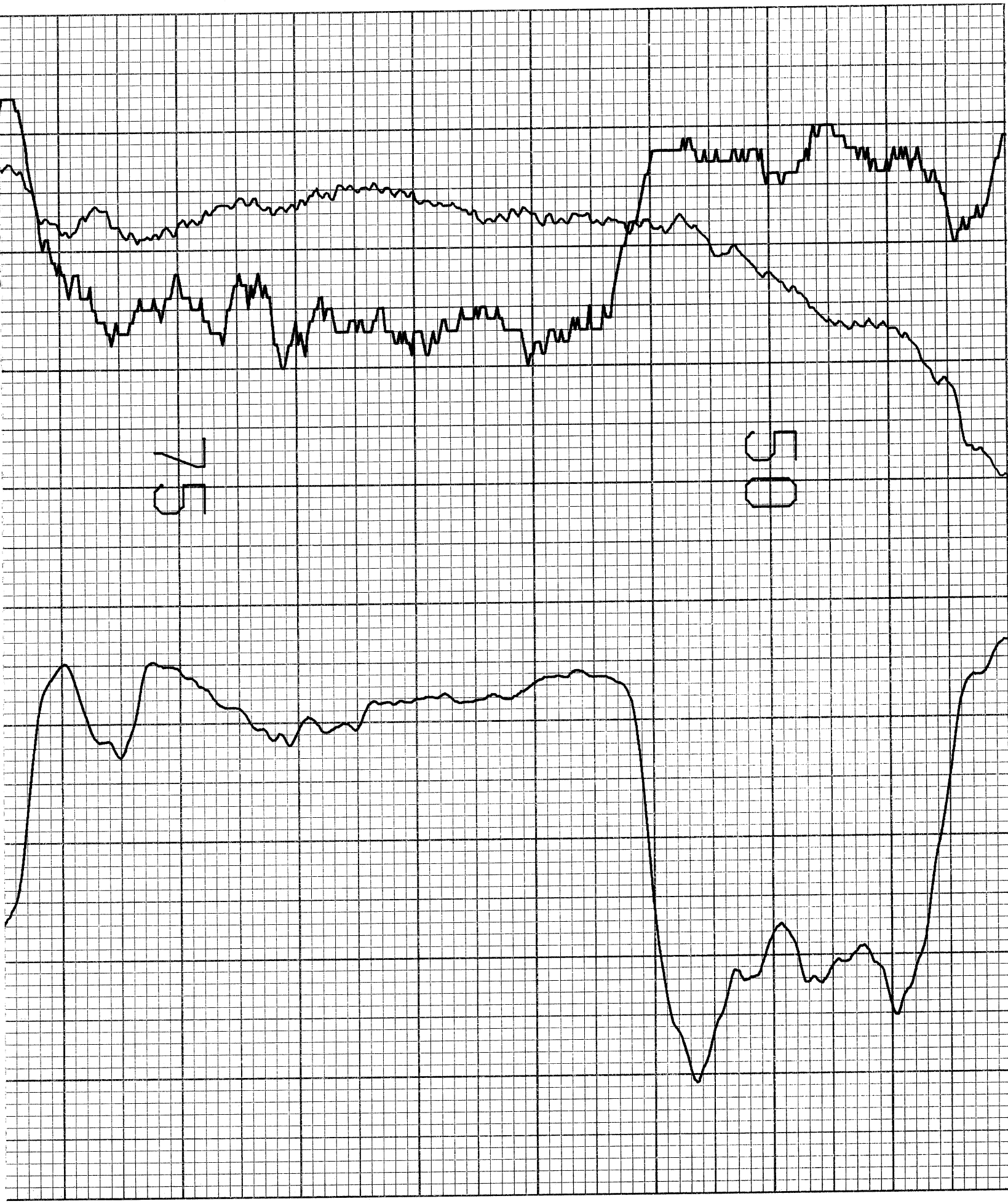

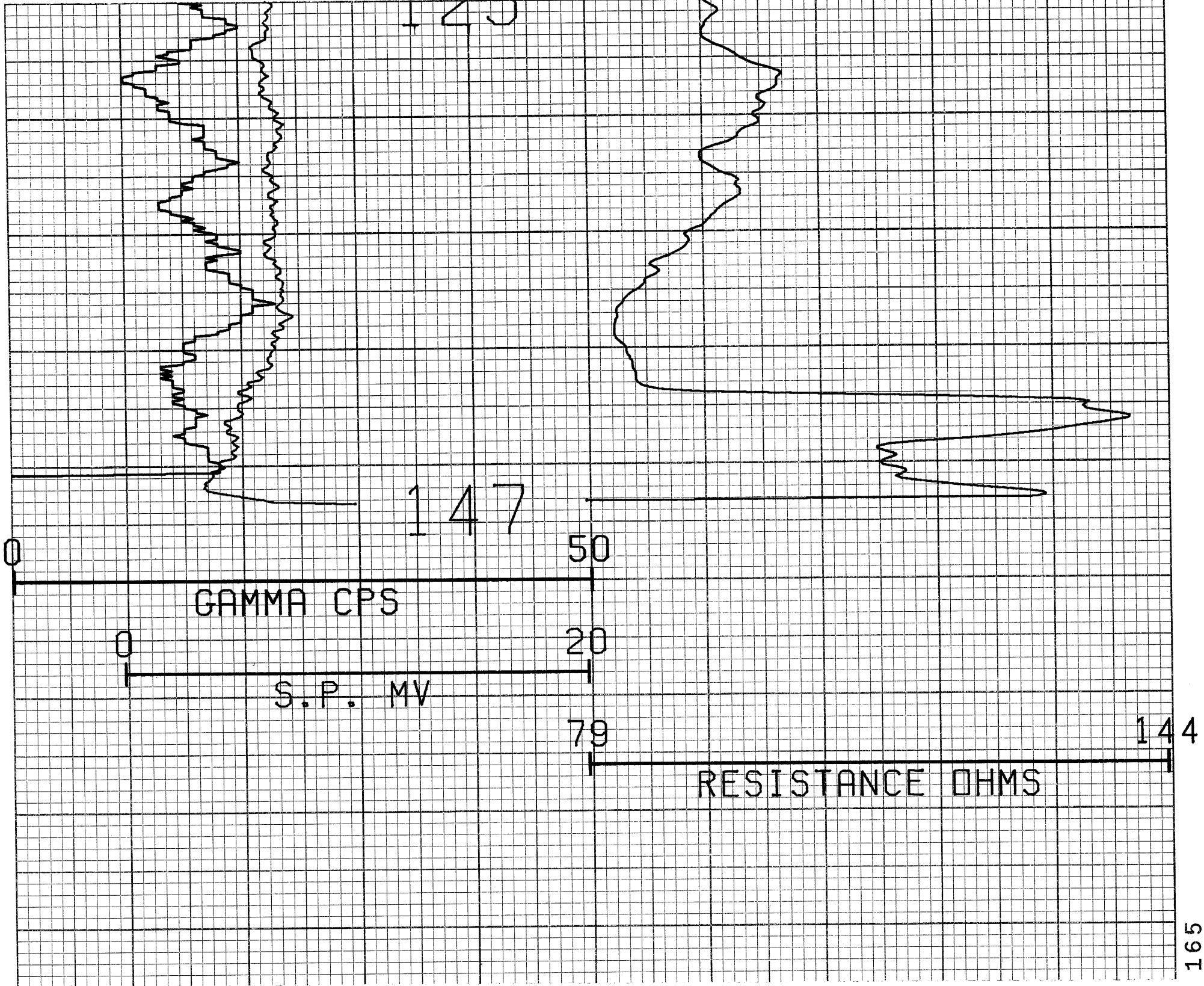

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03

COMPU-LOG V3L9 PLOT 02-19-81

LC-08

BCM/CWDD

LAKESIDE CONST.

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

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