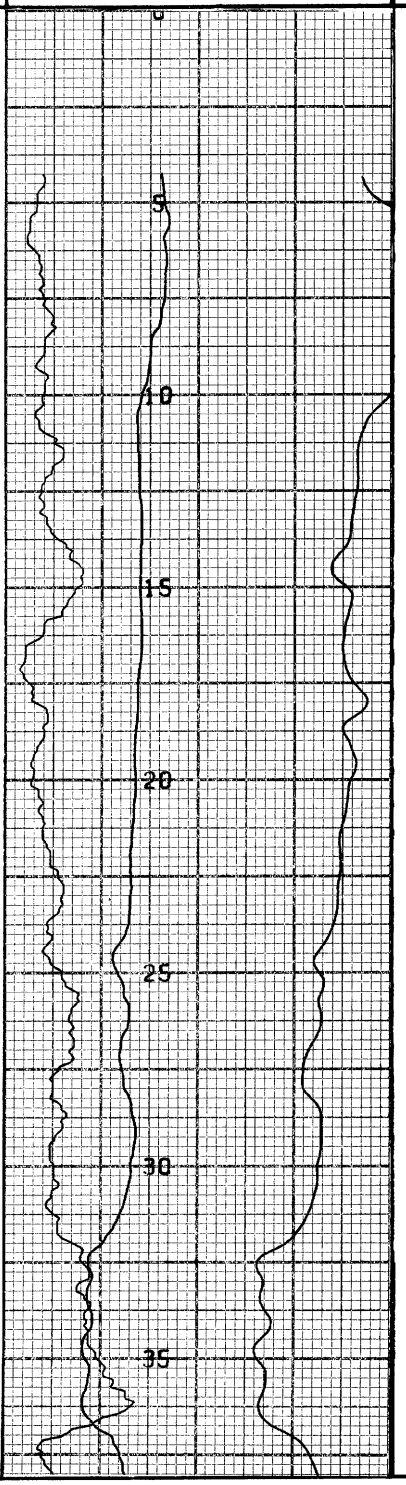
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 1 OF 6
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01
CONTRACTOR Warren George, Inc.		ELEVATION 12±

GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE
DATE	TIME	DEPTH	CASING	TYPE	MUD	S.S.		
				DIA.		2"		
				WT.		140#		
				FALL		30"		

DATUM Nat'l. Geodedic
DATE START 2/27/81
DATE FINISH 2/27/81
DRILLER B. Muh
CWDD REP. R. Shine

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
2, 4, 6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38					No samples taken Interpretation of E-log only		

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-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 6
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						40	
42							
44							
46						45	
48							
50					50.0'	50	
52					Gray coarse to fine Sand (SW)		
54							
56					57.0'	55	
58							
60						60	
62							
64							
66					Gray clayey Silt, trace mica (MH)	65	
68							
70						70	
72							
74							
76					77.0'	75	
78							
80						80	
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-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 6
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 silty fine Sand, some shells (SM)	85	
86							
88							
90						90	
92							
94							
96						95	
98							
100						100	
102							
104							
106						105	
108							
110						110	
112							
114							
116						115	
118							
120						120	
122							
124							
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.

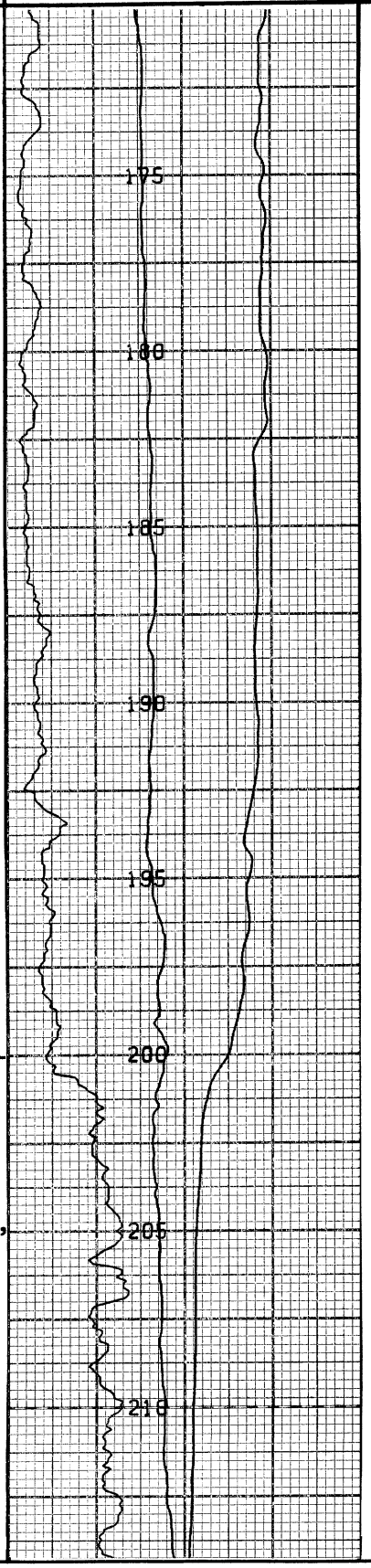
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 6
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
128							
130						130	
132							
134						135	
136							
138							
140					140.0'	140	
142							
144						145	
146							
148					Gray silty coarse to fine Sand and shells, intercalated layers of silty fine Sand (SP)		
150						150	
152							
154							
156						155	
158							
160						160	
162							
164							
166						165	
168							
170						170	

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

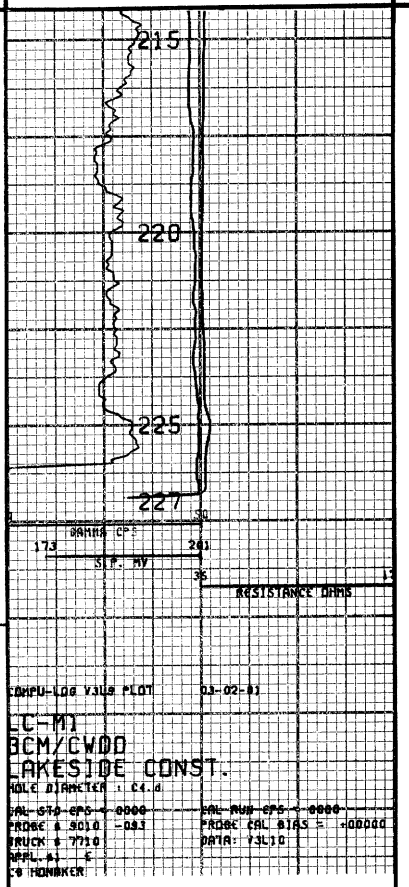
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. LC-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 5 OF 6
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
172							
174							
176							
178							
180							
182							
184							
186							
188							
190							
192							
194							
196							
198							
200					200.0'		
202							
204					Gray clayey Silt, trace shells, trace mica (MH)		
206							
208							
210							
212							
214							



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-M1
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 6 OF 6
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
216							
218							
220							
222							
224							
226							
228							
230					230.0'		

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

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE: LC	DATE: 2 MAR 81
UNIT/OPERATOR: 7710/HONAKER	FIELD OFFICE: LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: LC-M1

AREA: LAKESIDE CONST

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

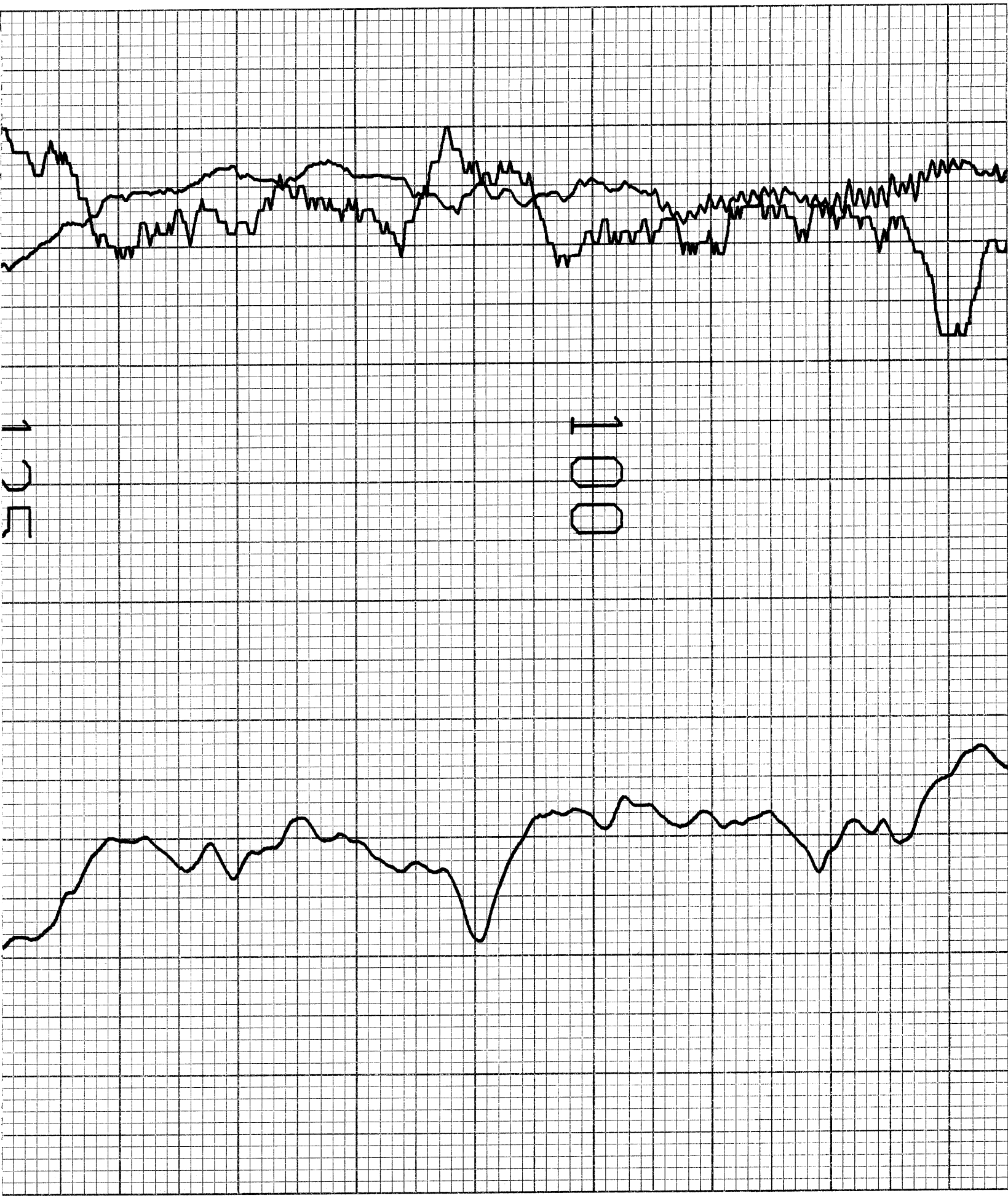
HOLE DATA

TOTAL DEPTH — DRILLER	230'	BIT SIZE	4 3/4"
TOTAL DEPTH — LOGGER	227'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	227'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	14.0 @ 56°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 0812		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 0842		TD 13-TK4	

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 x 10^{-5}	—	.558 x 10^{-5}	1.62 x 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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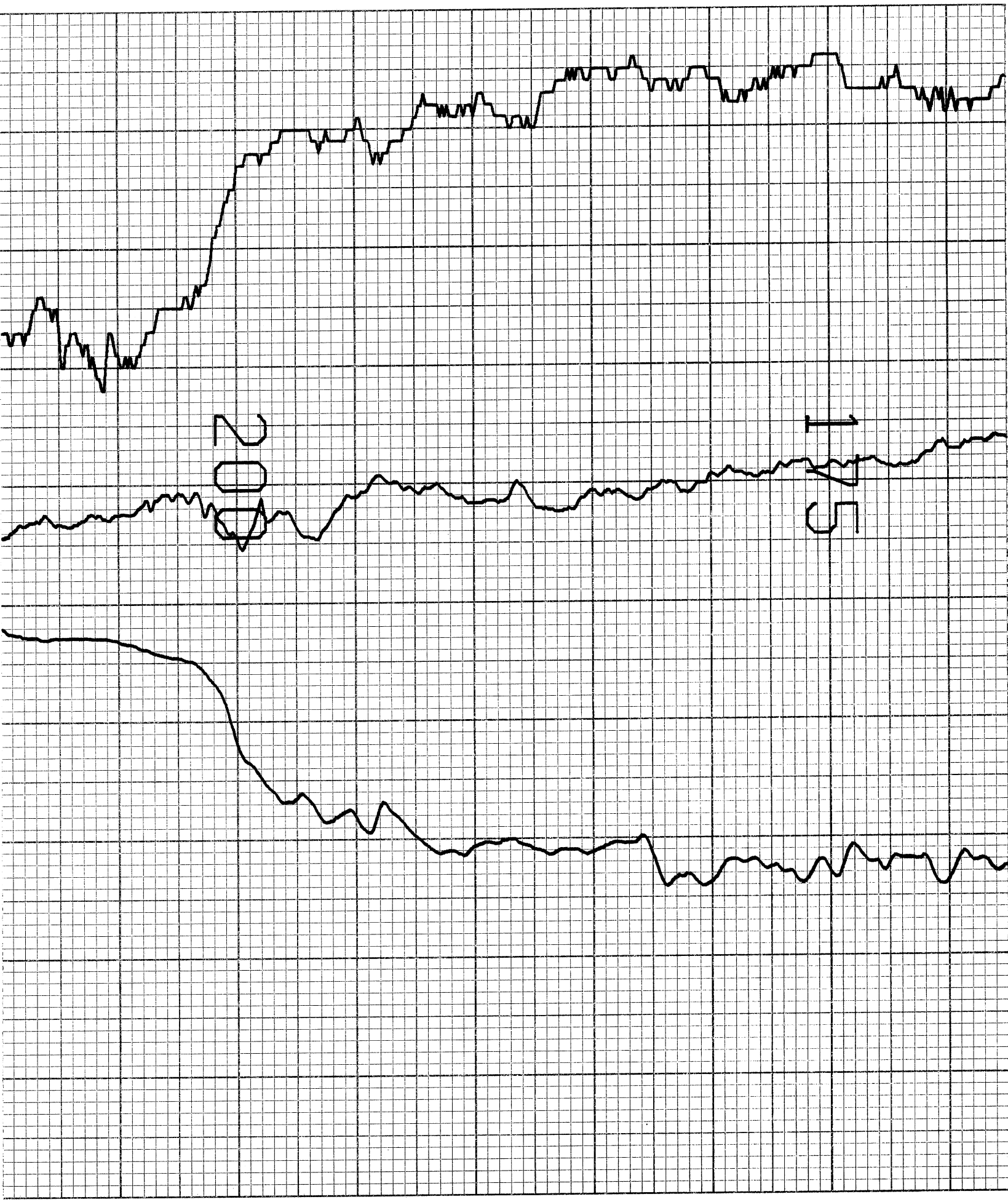

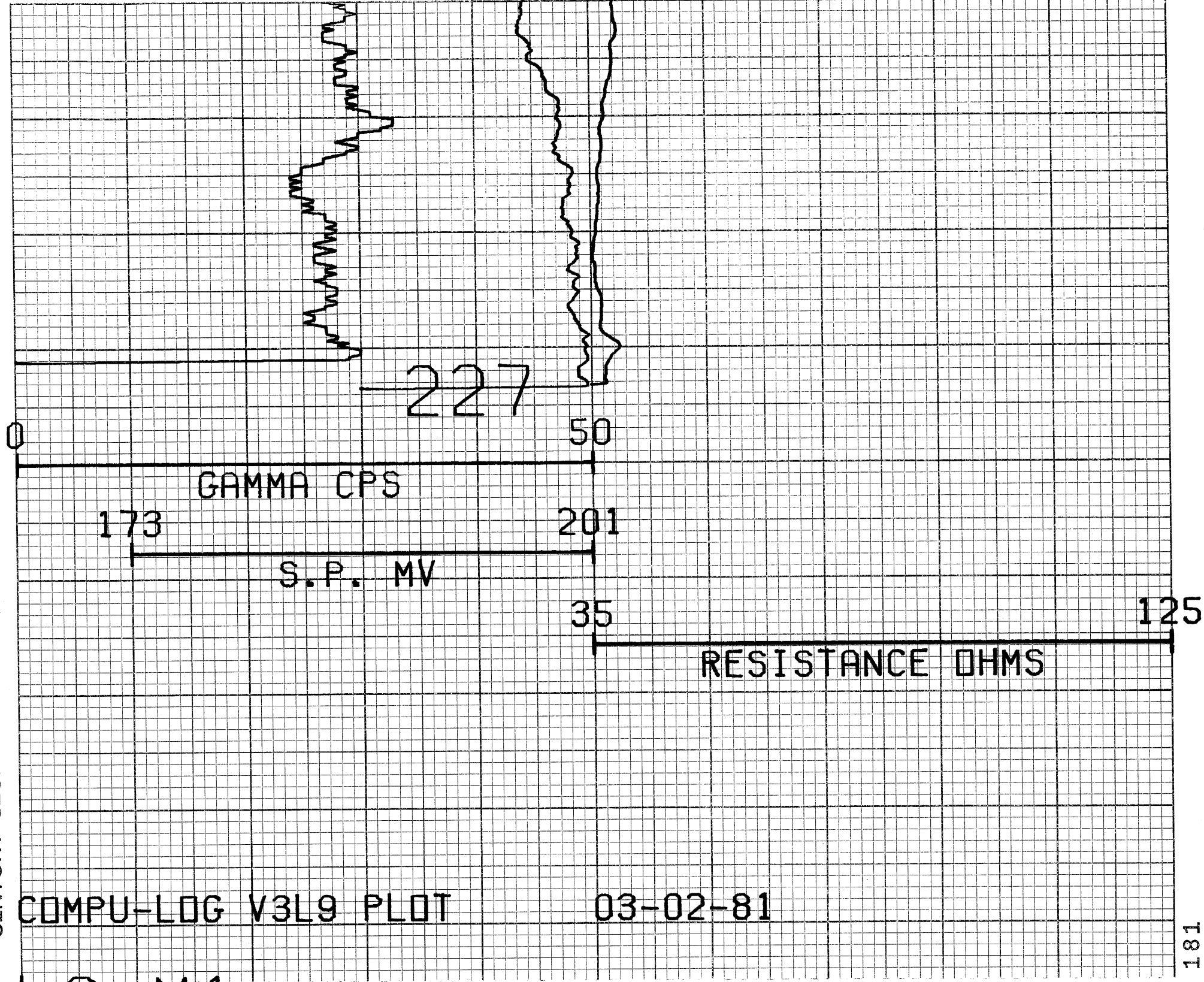

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03

LC-MI
BCM/CWDD
LAKESIDE CONST.
HOLE DIAMETER : 04.8

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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