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

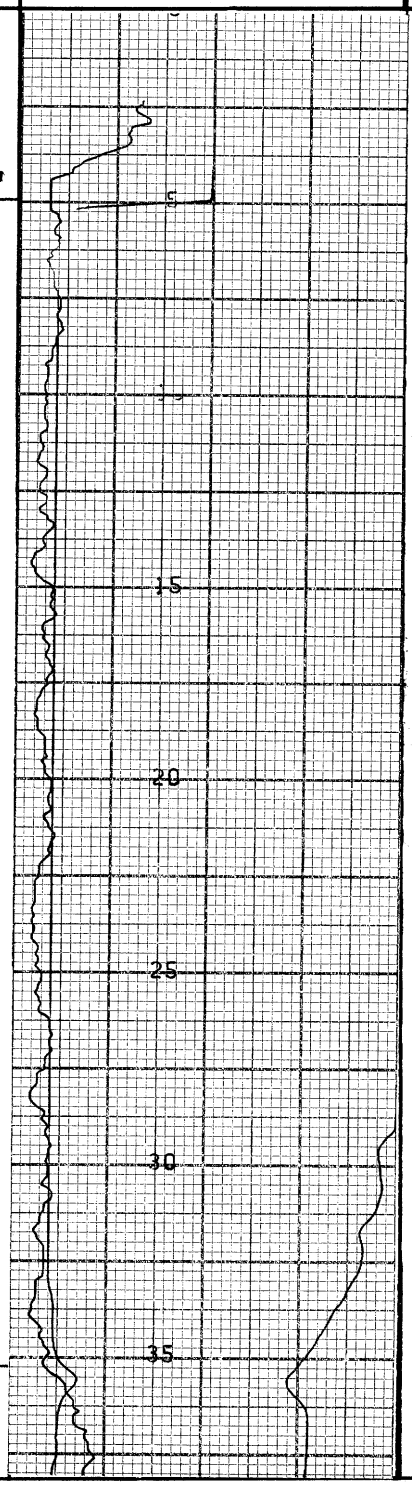
PROJECT	Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 4	
CLIENT	Betz Converse Murdoch, Inc.	PROJ. NO.	80-07203-01
CONTRACTOR	Warren George, Inc.	ELEVATION	12.0
GROUND WATER		DATUM	City of V.B.
DATE		DATE START	2/20/81
		DATE FINISH	2/23/81
		DRILLER	V. Aimar
		CWDD REP.	J. Durcan

Boring	CAS.	SAMP.	CORE	TUBE
TYPE	MUD	S.S.		
DIA.		2"		
WT.		140#		
FALL		30"		

TIME	DEPTH	CASING

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
2					Light brown clayey fine Sand (ML)
4					
					5.0'
6					Light brown to gray coarse to fine Sand, intercalated layers of silty Sand (SW)
8					
10					
12					
14					
16					
18					
20					
22					
24					
26					
28					
30					
32					
34					
					35.0'
36					Gray clayey fine Sand (ML)
38					

E - LOG



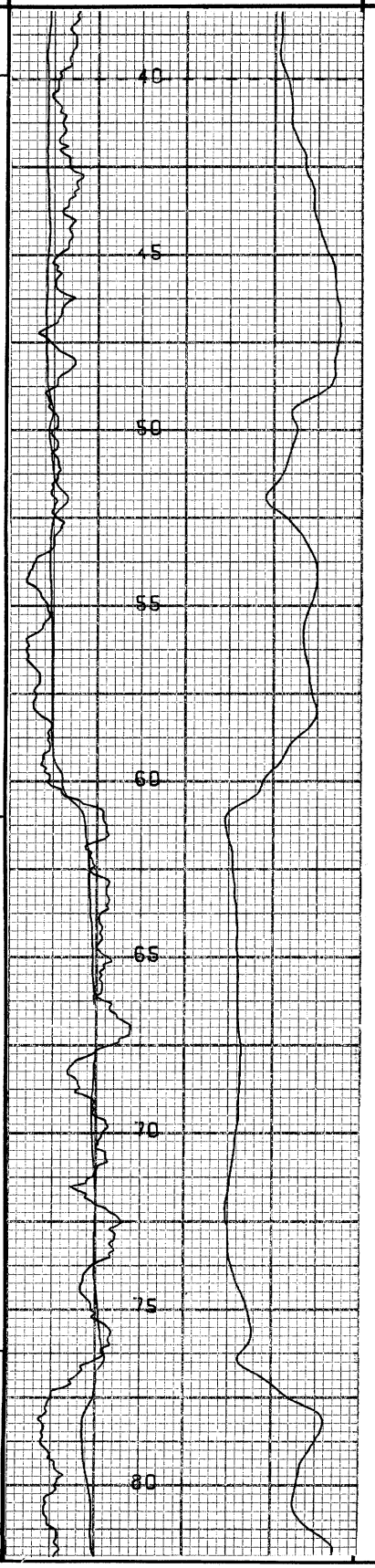
WELL

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. MA-01
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
40					40.0'
42					Gray fine to coarse Sand, trace intercalated layers of silty Sand (SW)
44					
46					
48					
50					
52					
54					
56					
58					
60					61.0'
62					Gray sandy Silt (MH)
64					
66					
68					
70					
72					
74					
76					76.0'
78					Gray green fine to medium Sand, intercalated layers of sandy Silt, some shells (SP)
80					
82					

E - LOG

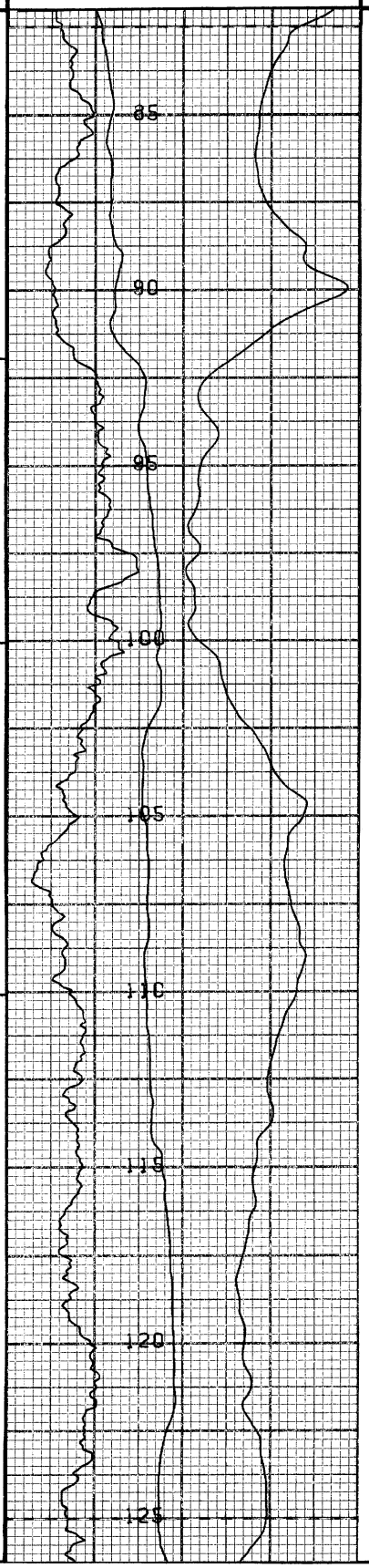


WELL

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

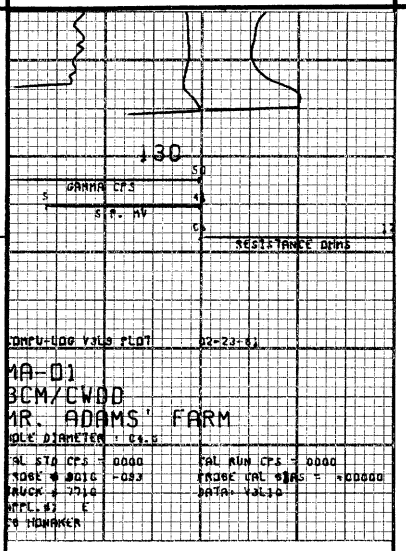
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. MA-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 4
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
84							
86							
88							
90							
92					92.0'		
94					Gray green Clay, trace mica (CH)		
96							
98							
100					100.0'		
102							
104					Grayish green silty medium to fine Sand, some shells (SM)		
106							
108							
110					110.0'		
112							
114							
116					Gray green clayey fine Sand, intercalated layers of sandy Silt (ML)		
118							
120							
122							
124							
126							



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. MA-01
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							
130							
132					132.0'		

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	DATE
MA-01	23 FEB 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: MA-01

AREA: MR. ADAMS' FARM

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	130'	BIT SIZE	4 3/4"
TOTAL DEPTH — LOGGER	130'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	130'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	19.6 @60°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1100		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1124		TP 10 - TK3	

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	—	—	

CT-112 REV. 2/11/80

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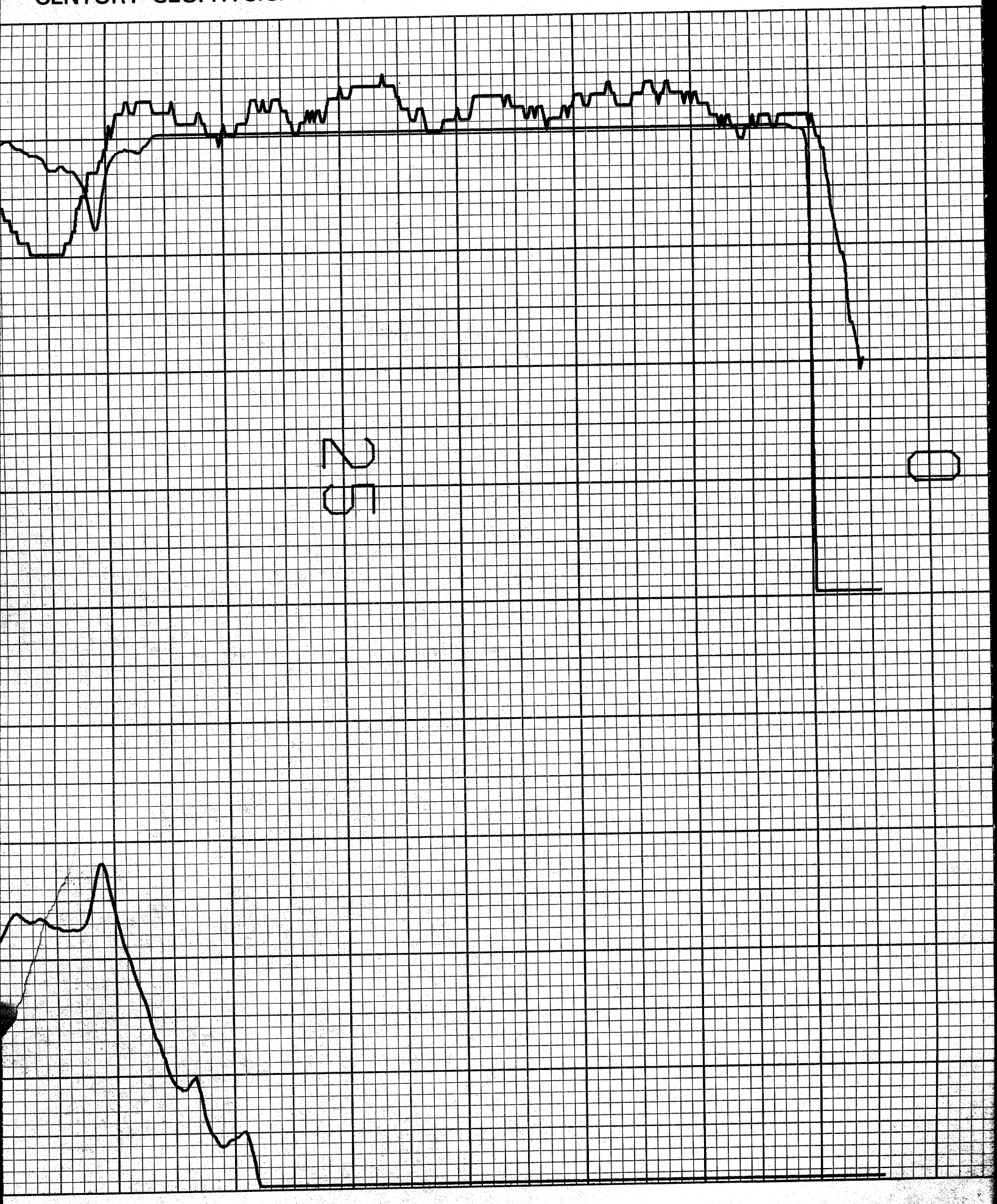

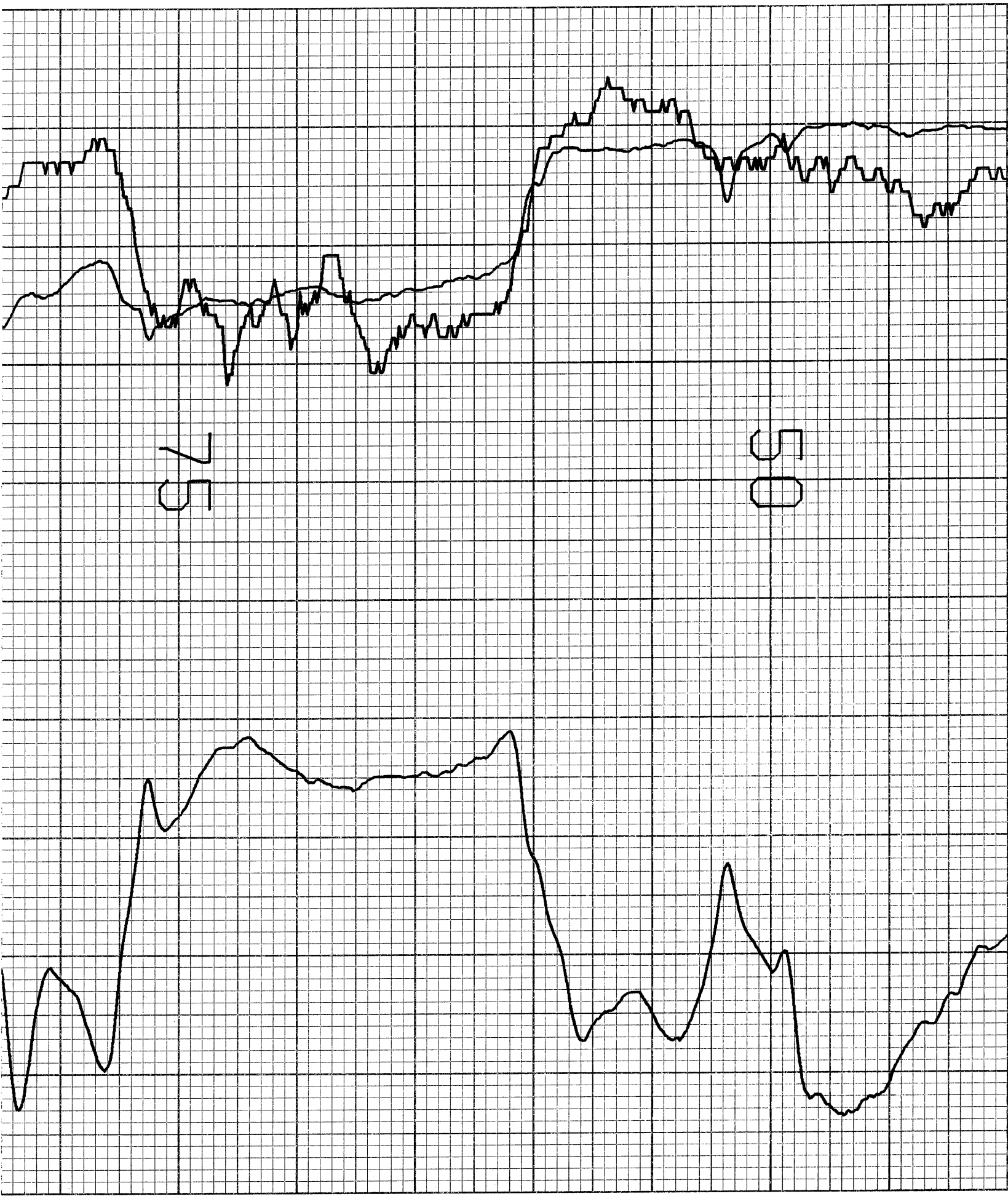

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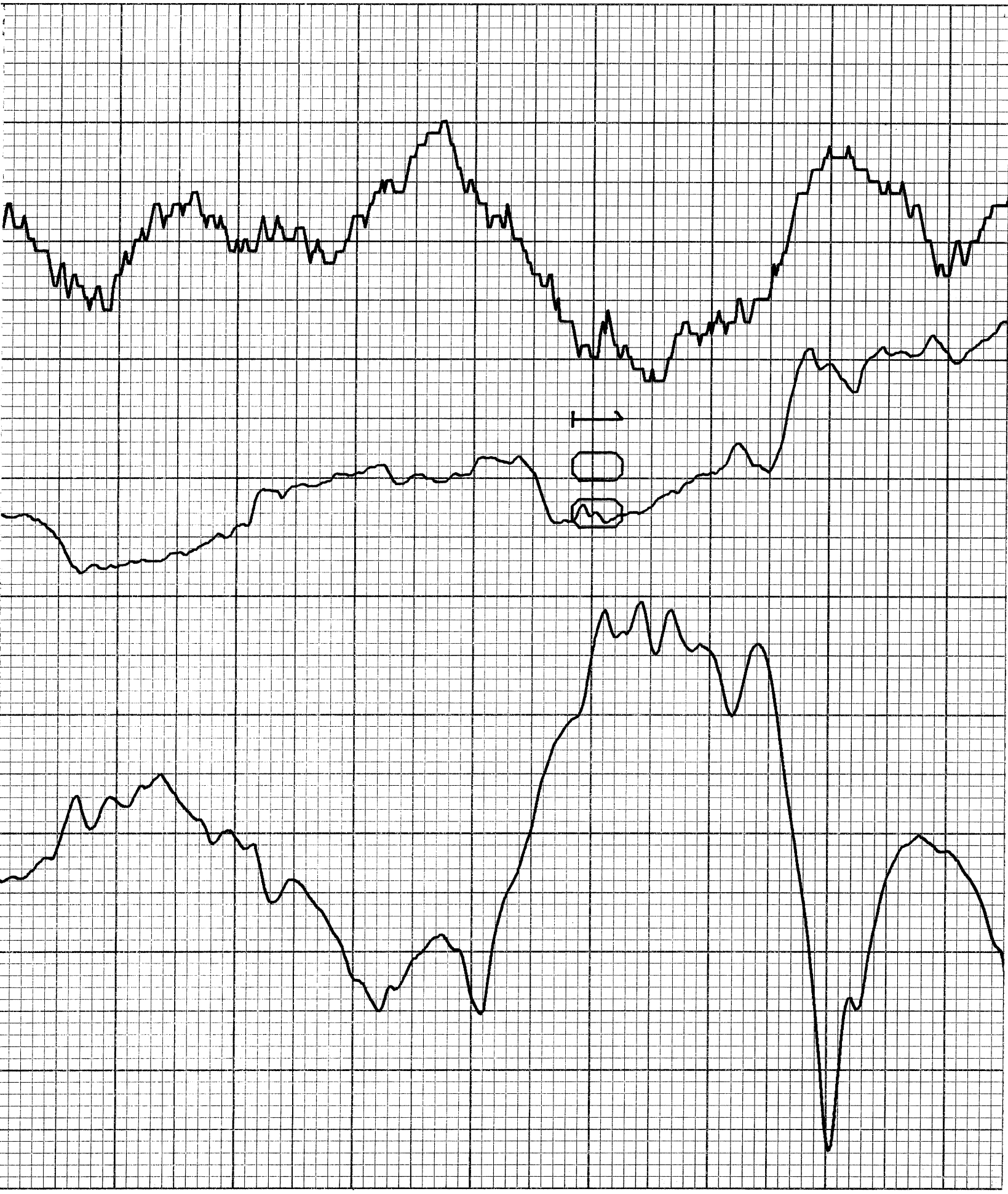

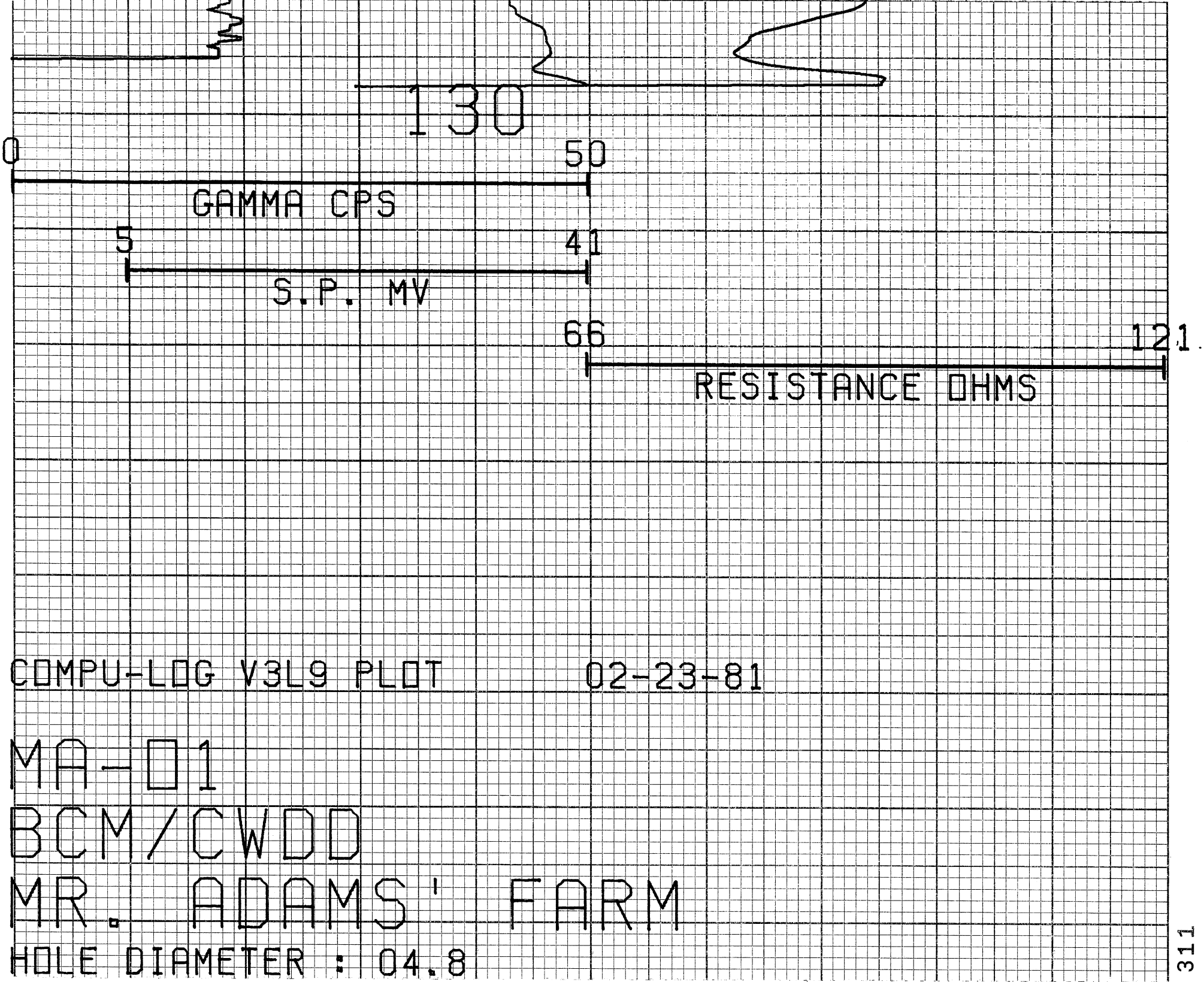

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CAL STD CPS = 0000

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

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