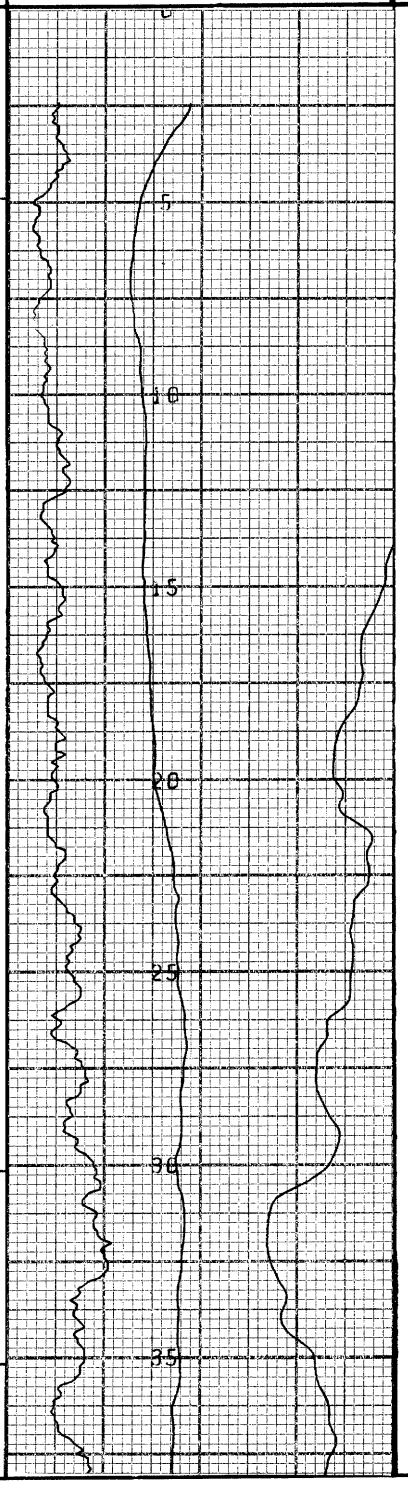
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-01

PROJECT	Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 5	
CLIENT	Betz Converse Murdoch, Inc.	PROJ. NO.	80-07203-01
CONTRACTOR	A. C. Schultes and Sons, Inc.	ELEVATION	10.0
		DATUM	City of V.B.
		DATE START	2/24/81
		DATE FINISH	2/25/81
		DRILLER	J. Kramer
		CWDD REP.	R. Landle

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

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
2, 4					Grayish brown sandy Clay, trace roots (CL)
					5.0'
6, 8, 10, 12, 14, 16, 18, 20, 22, 24, 26, 28, 30					Light gray silty coarse to fine Sand, clayey upward and downward (SM)
					30.0'
32, 34, 36, 38					Bluish gray sandy Silt, trace shells (ML)
					35.0'

E - LOG

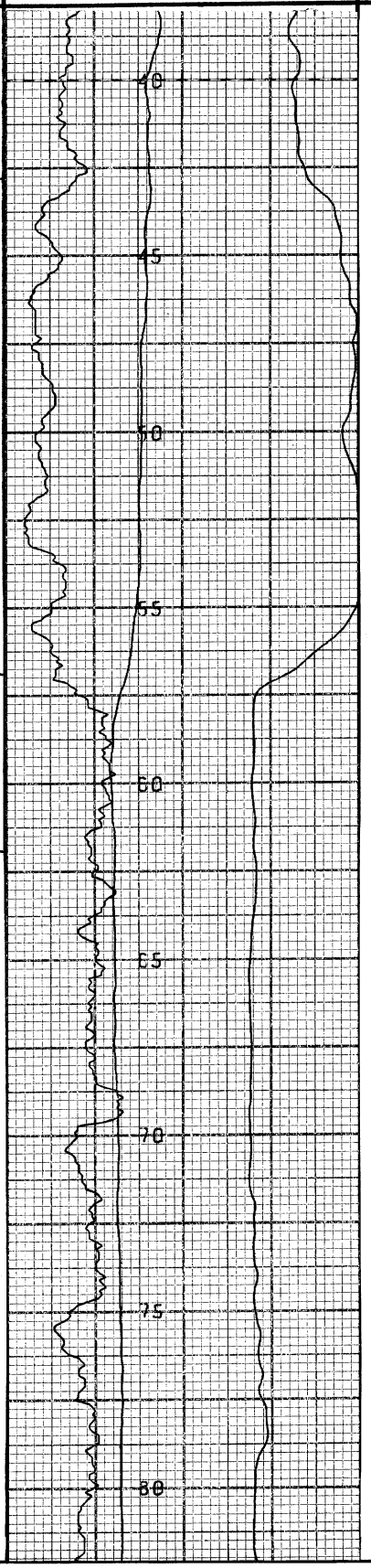


WELL

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. WO-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 5
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 clayey fine Sand, trace shells (SC)		
42					43.0'		
44							
46					Light gray coarse to fine Sand, intercalated layers of silty fine Sand, trace shells (SW)		
48							
50							
52							
54							
56					57.0'		
58					Grayish green Silt, trace shells, mica (MH)		
60					62.0'		
62							
64					Grayish green sandy Silt, intercalated layers of silty fine Sand, trace shells, mica (ML)		
66							
68							
70							
72							
74							
76							
78							
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. WO-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 5
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, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126					90.0' Grayish green Silt, trace mica, shells (MH) 100.0' Greenish gray silty coarse to fine Sand and shells (SM) 110.0' Greenish gray clayey Silt, trace shells (MH) 115.0' Gray clayey coarse to fine Sand, trace shells (SC) 125.0'	85, 90, 95, 100, 105, 110, 115, 120, 125	

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

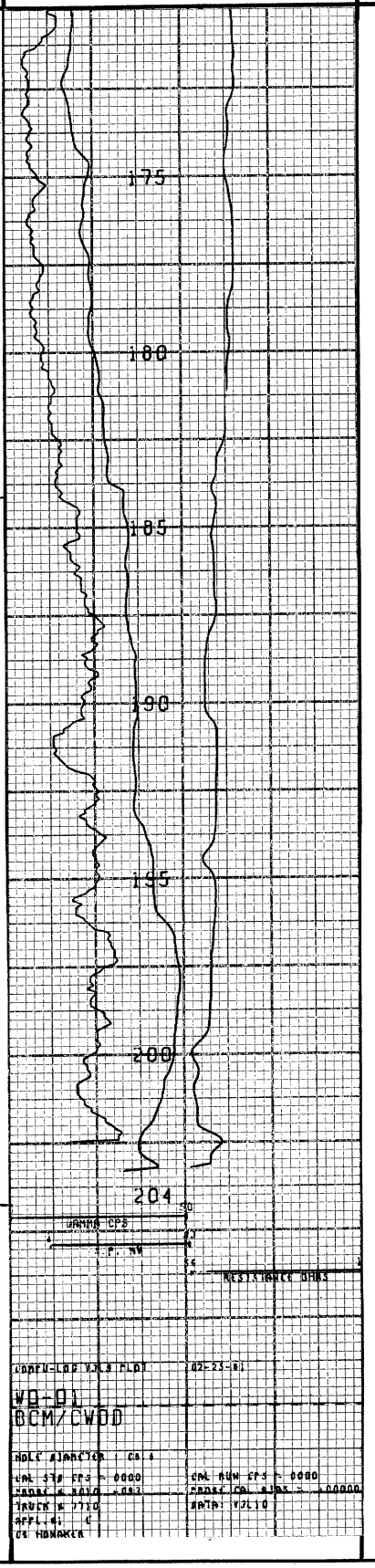
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. WO-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 5
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
128							
130						130	
132							
134					Green sandy Silt, trace shells (ML)		
136						135	
138							
140						140	
142							
144							
146						145	
148							
150					150.0'	150	
152							
154							
156						155	
158							
160					Green silty coarse to fine Sand, intercalated layers of Silt, trace Silt (SM)	160	
162							
164						165	
166							
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. WO-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 5 OF 5
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					184.0'		
186					Green Silt, trace shells (MH)		
188							
190							
192							
194							
196							
198							
200							
202							
204					204.0'		



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
WO-01	25 FEB 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: WO-01

AREA:

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	204'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	204'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	204'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	30.0 @50°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 0930		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1000		TP 11 - TK2	

REMARKS:

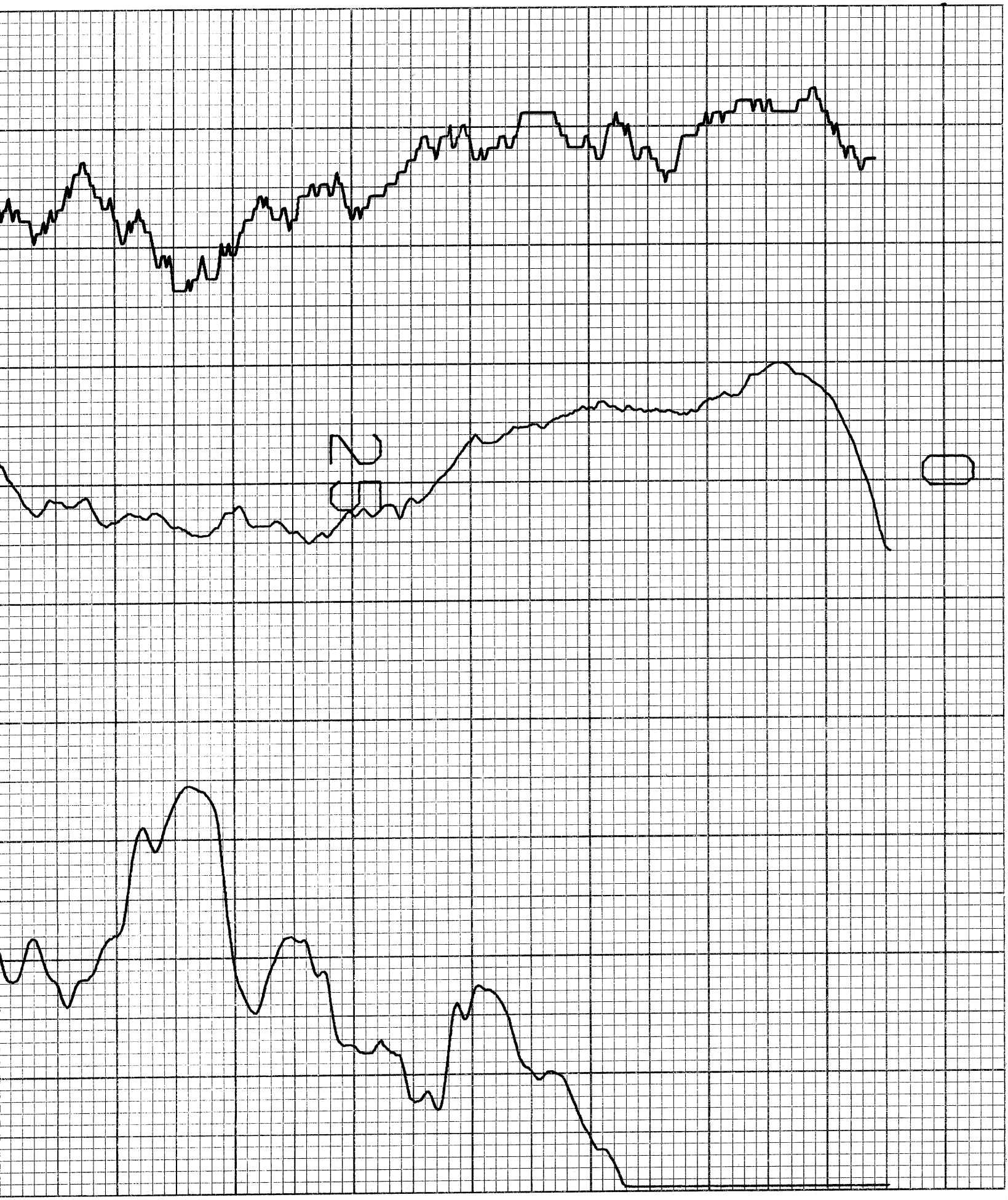
EQUIPMENT DATA

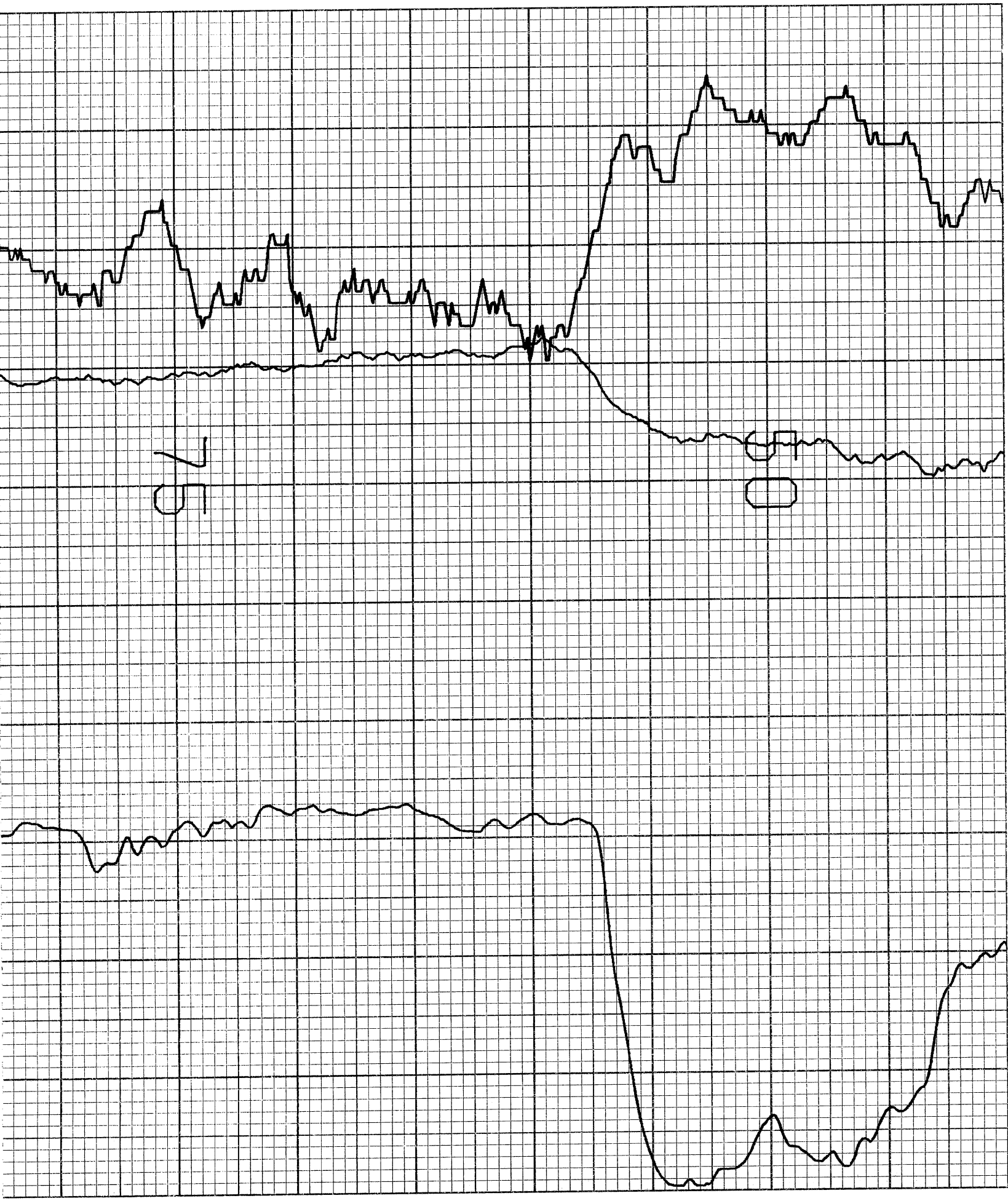
PROBE MODEL		9010	9030	9050/55	9060
PROBE DIAMETER		1.87"	2.0"	1.87"	1.4"
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI	NaI	NaI
	DETECTOR SIZE	.875" x 1.25"	1.125" x 4.5"	.875" x 4.0"	.5" x 3.0"
	STD. K-FACTOR	1.59×10^{-5}	—	$.558 \times 10^{-5}$	1.62×10^{-5}
	STD. DEADTIME	1 μsec	—	1.18 μsec	1 μsec
	CALIB. MODEL 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

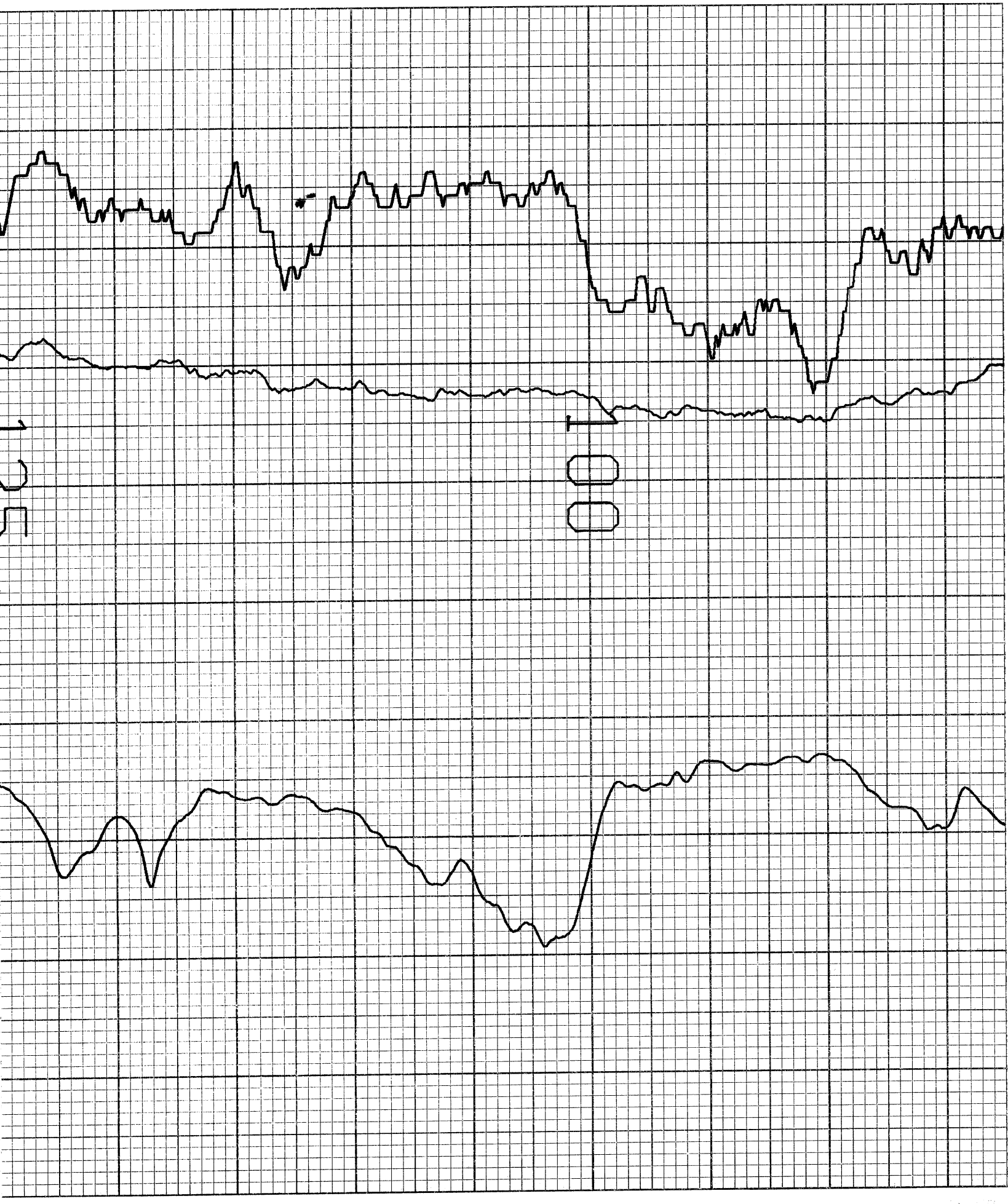
CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

PRINTED IN U.S.A.

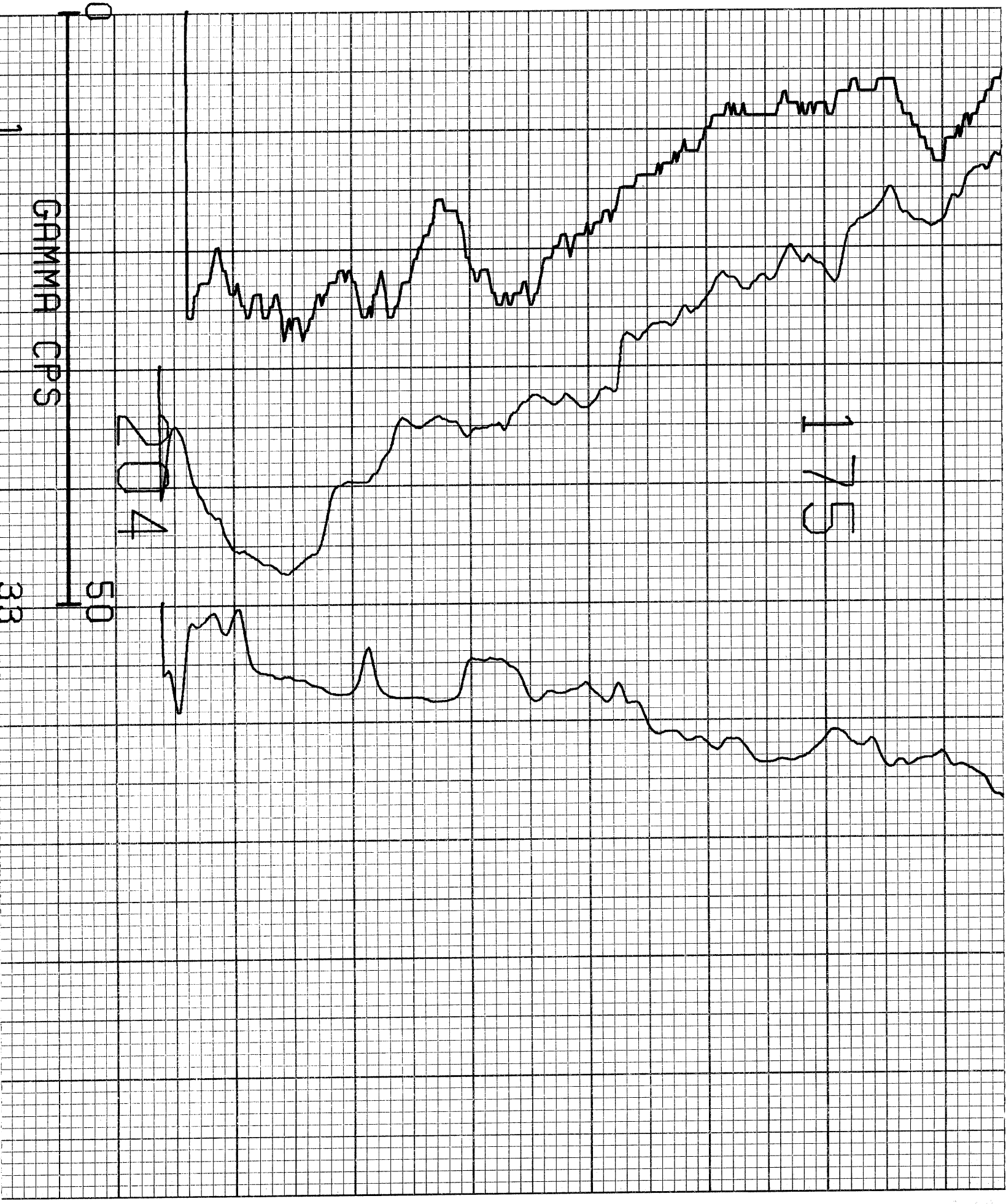




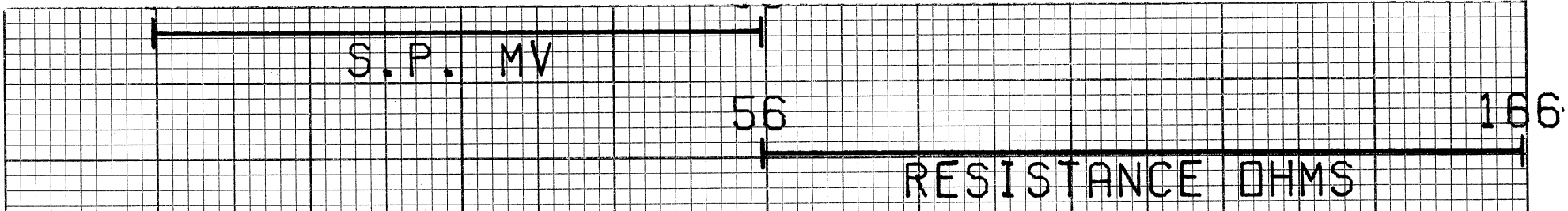
CENTURY GEOPHYSICAL CORP. PART NO. 786-0022 PRINTED IN U.S.A.



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



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



COMPU-LOG V3L9 PLOT 02-25-81

WO-01
BCM/CWDD

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