Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OII-06

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 19.0	
GROUND WATER		DATUM City of V.B.	

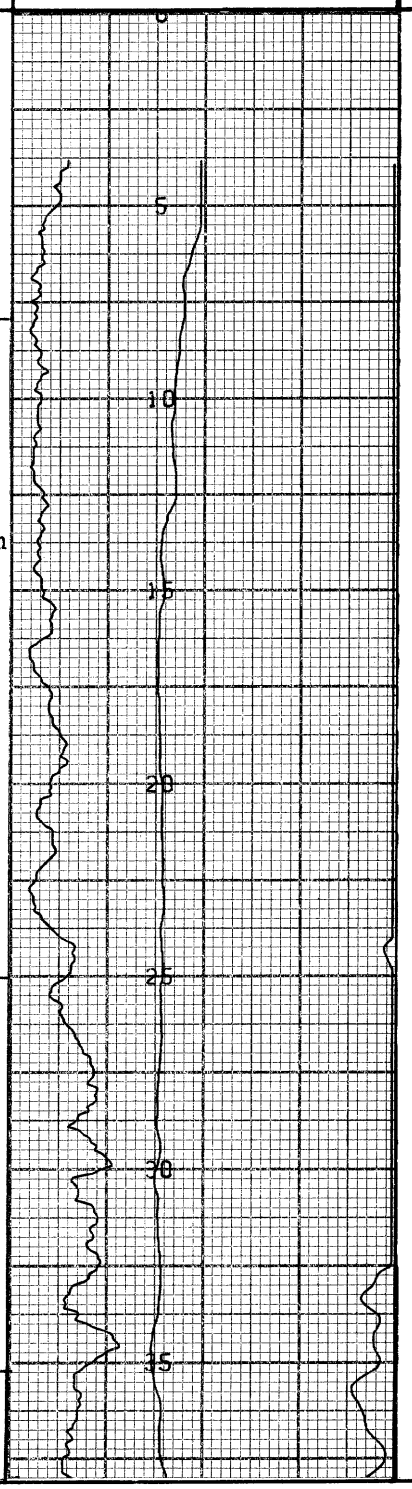
DATE	TIME	DEPTH	CASING
		7.76	

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

DATE START	1/26/81
DATE FINISH	1/27/81
DRILLER	J. Kramer
CWDD REP.	L. Rosovsky

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
2					Dark yellow sandy Silt (ML)
4					
6					
8					8.0'
10					
12					
14					Light gray silty fine to medium Sand (SP)
16					
18					
20					
22					
24					25.0'
26					
28					Dark gray sandy Silt (ML)
30					
32					
34					35.0'
36					
38					

E - LOG



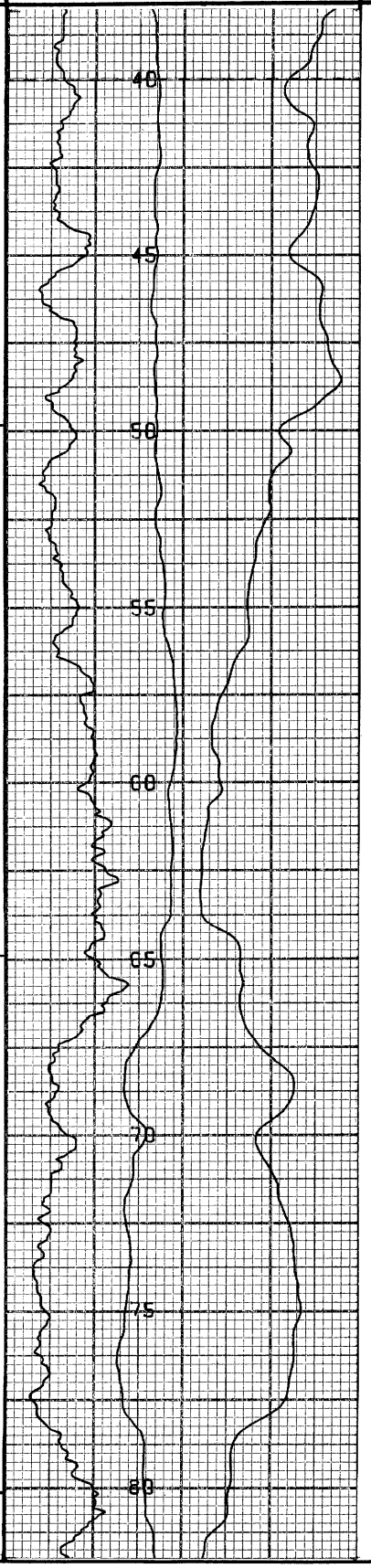
WELL

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. OII-06
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
40					Dark gray silty fine to medium Sand, intercalated layers of sandy Clay, trace shells (SP)
42					
44					
46					
48					
50					50.0'
52					Dark blue sandy Clay, trace organic (CL)
54					
56					
58					
60					
62					
64					65.0'
66					Dark blue silty fine to medium Sand, intercalated layers of sandy Clay, some shells (SP)
68					
70					
72					
74					
76					
78					
80					80.0'
82					

E - LOG



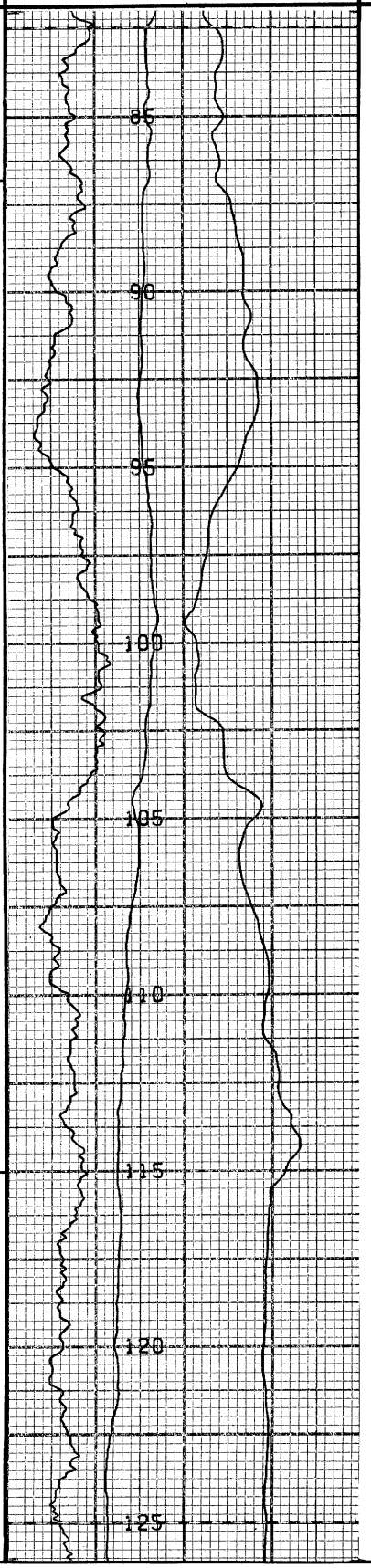
WELL

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

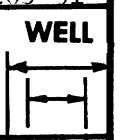
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. ØII-06
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 3 OF 5
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
84					Dark blue sandy Clay (CL)
86					
					87.0'
88					Dark blue silty fine Sand, clayey downward, some shells, intercalated layers of sandy Clay (SC)
90					
92					
94					
96					
98					
100					
102					
104					
106					
108					
110					
112					
114					
					115.0'
116					Dark green sandy Silt, intercalated layers of clay and shells (ML)
118					
120					
122					
124					
126					

E - LOG



WELL

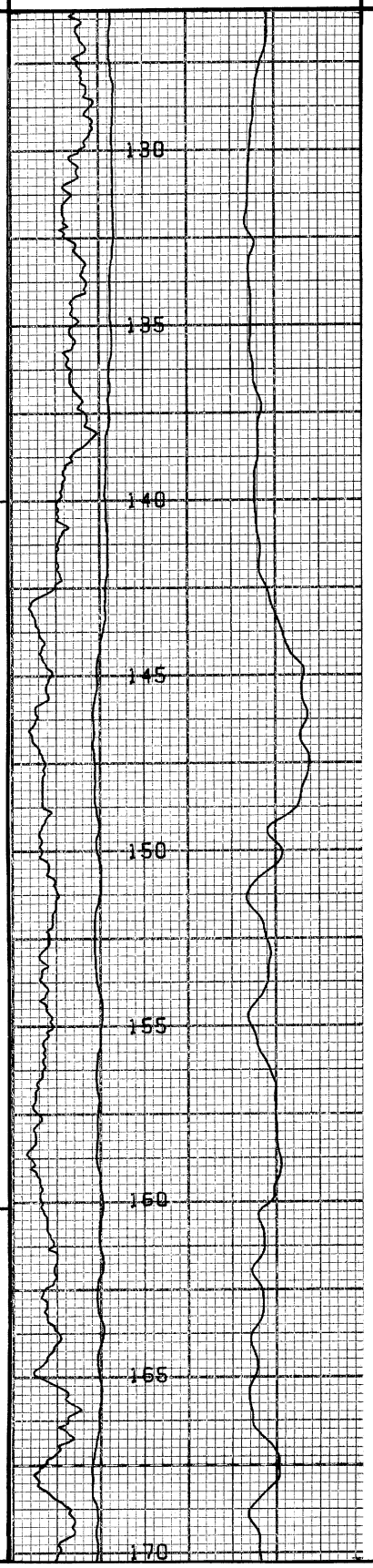


FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OII-06
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
128					
130					
132					
134					
136					
138					
140					140.0'
142					Greenish blue silty fine to medium Sand, intercalated layers of silty Clay and shells (SM)
144					
146					
148					
150					
152					
154					
156					
158					
160					160.0'
162					Greenish blue sandy Clay, some shells, intercalated layers of silty fine Sand (CL)
164					
166					
168					
170					

E - LOG

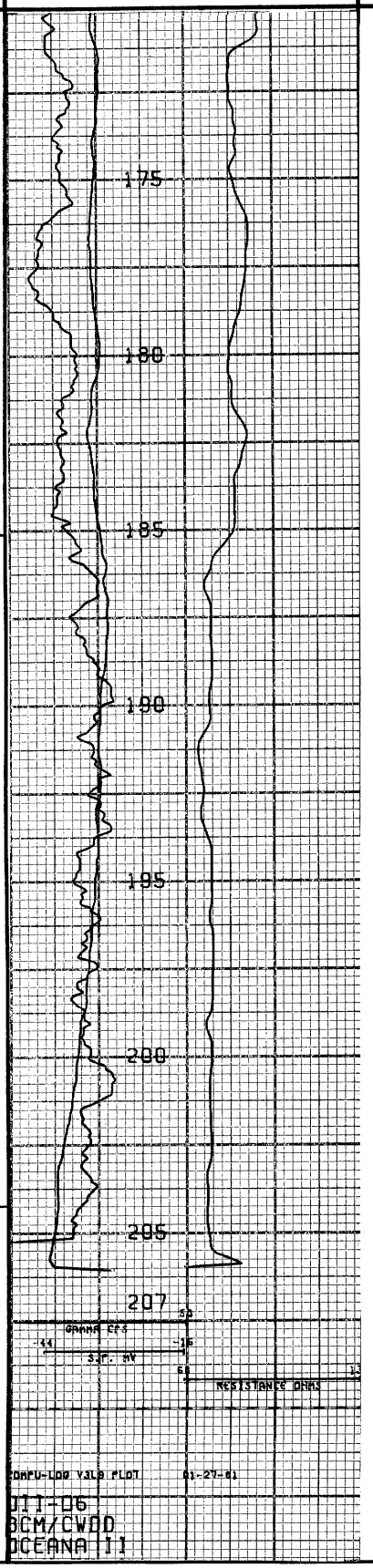


WELL

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. OII-06
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					185.0'		
186					Bluish green silty Clay, some shells (CH)		
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
OTT-06	27 JAN 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: OTT -06

AREA: OCEANA II

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	212'	BIT SIZE	8 3/4"
TOTAL DEPTH — LOGGER	207'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	207'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	— @ —°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 1236		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 1300		TP 3-TK3	

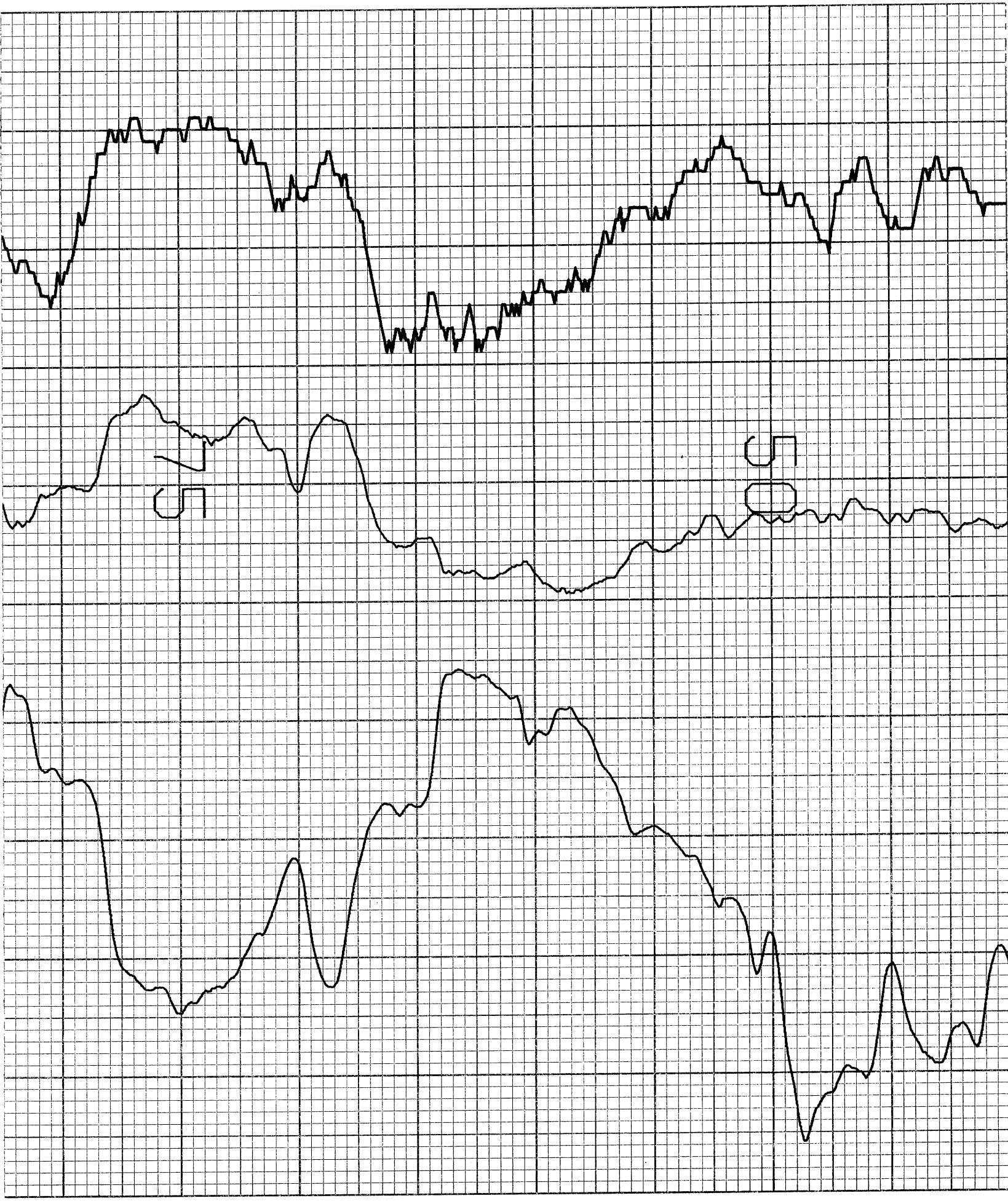
REMARKS:

EQUIPMENT DATA

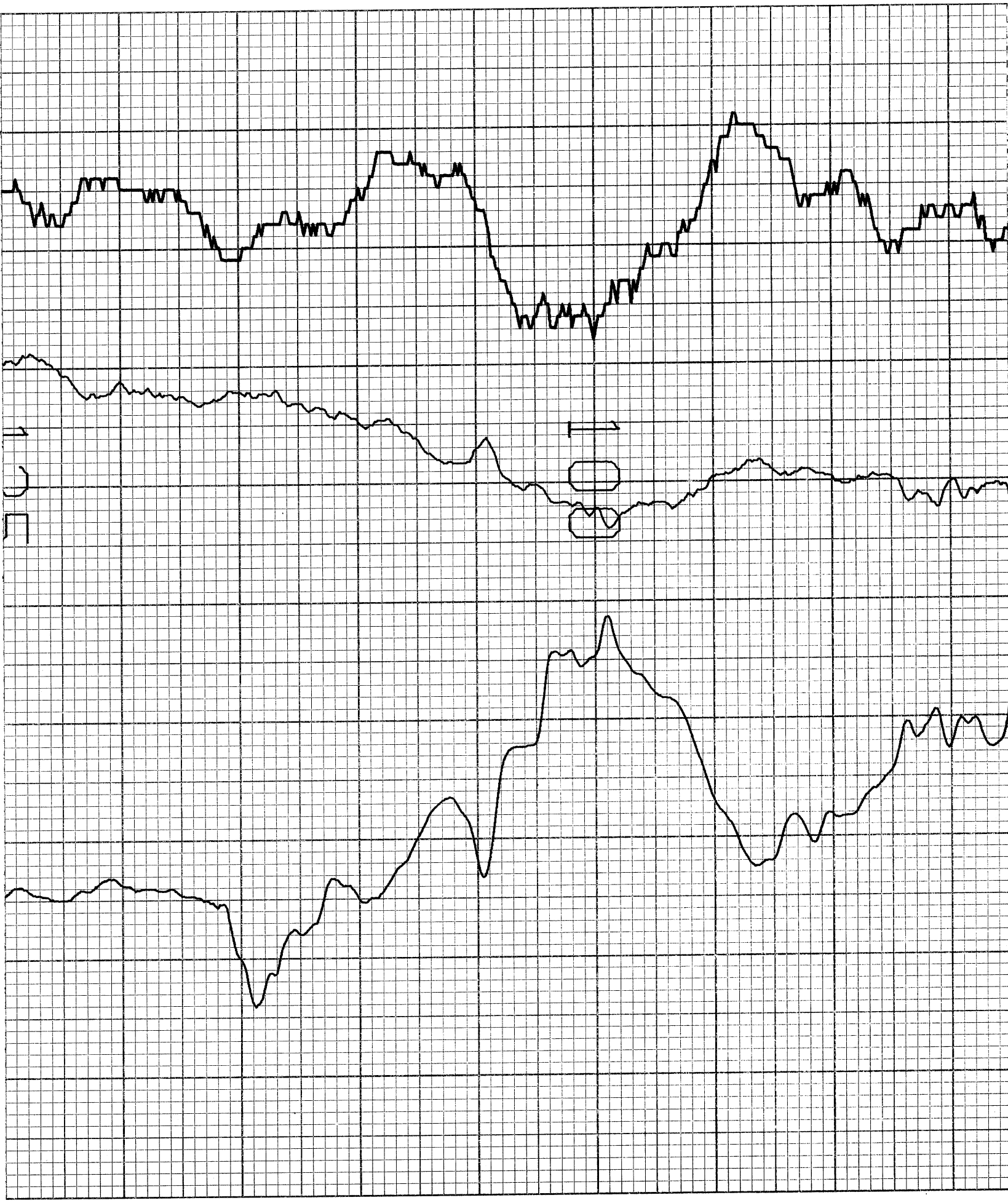
		9010	9030	9050/55	9060
PROBE MODEL		9010	9030	9050/55	9060
PROBE DIAMETER		1.87"	2.0"	1.87"	1.4"
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI	NaI	NaI
	DETECTOR SIZE	.875" x 1.25"	1.125" x 4.5"	.875" x 4.0"	.5" x 3.0"
	STD. K-FACTOR	1.59×10^{-5}	—	$.558 \times 10^{-5}$	1.62×10^{-5}
	STD. DEADTIME	1 μsec	—	1.18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

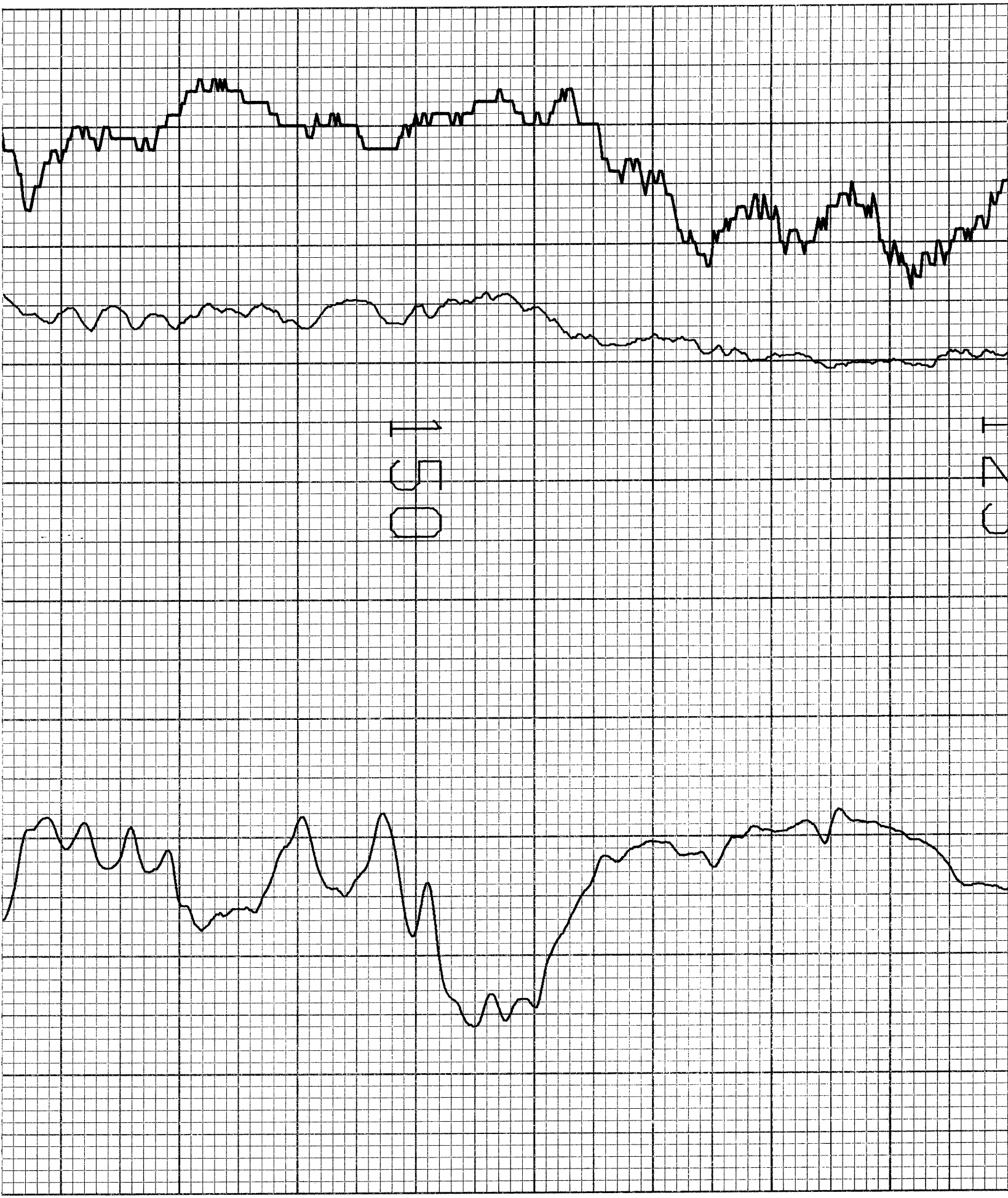
CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

PRINTED IN U.S.A.

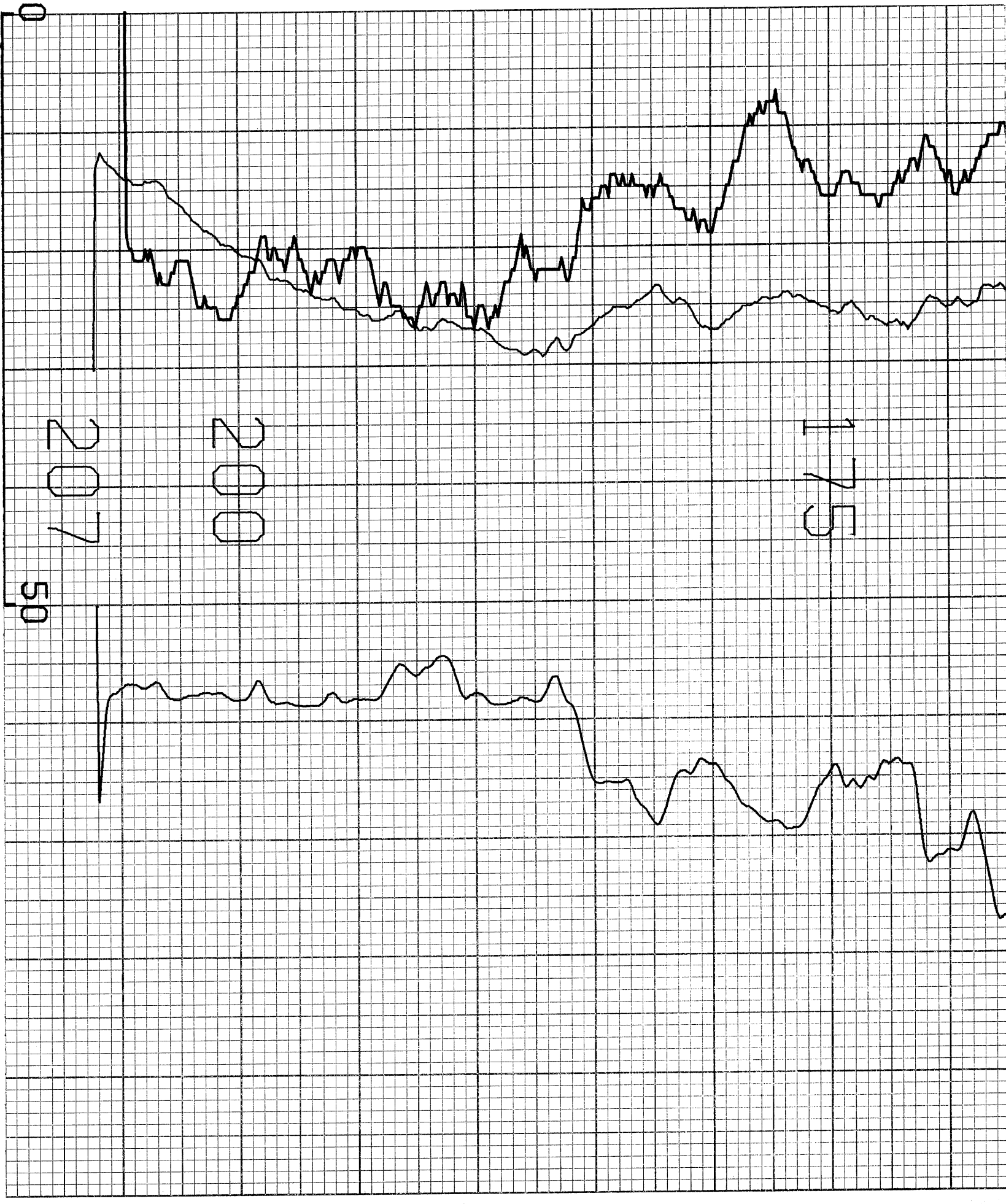


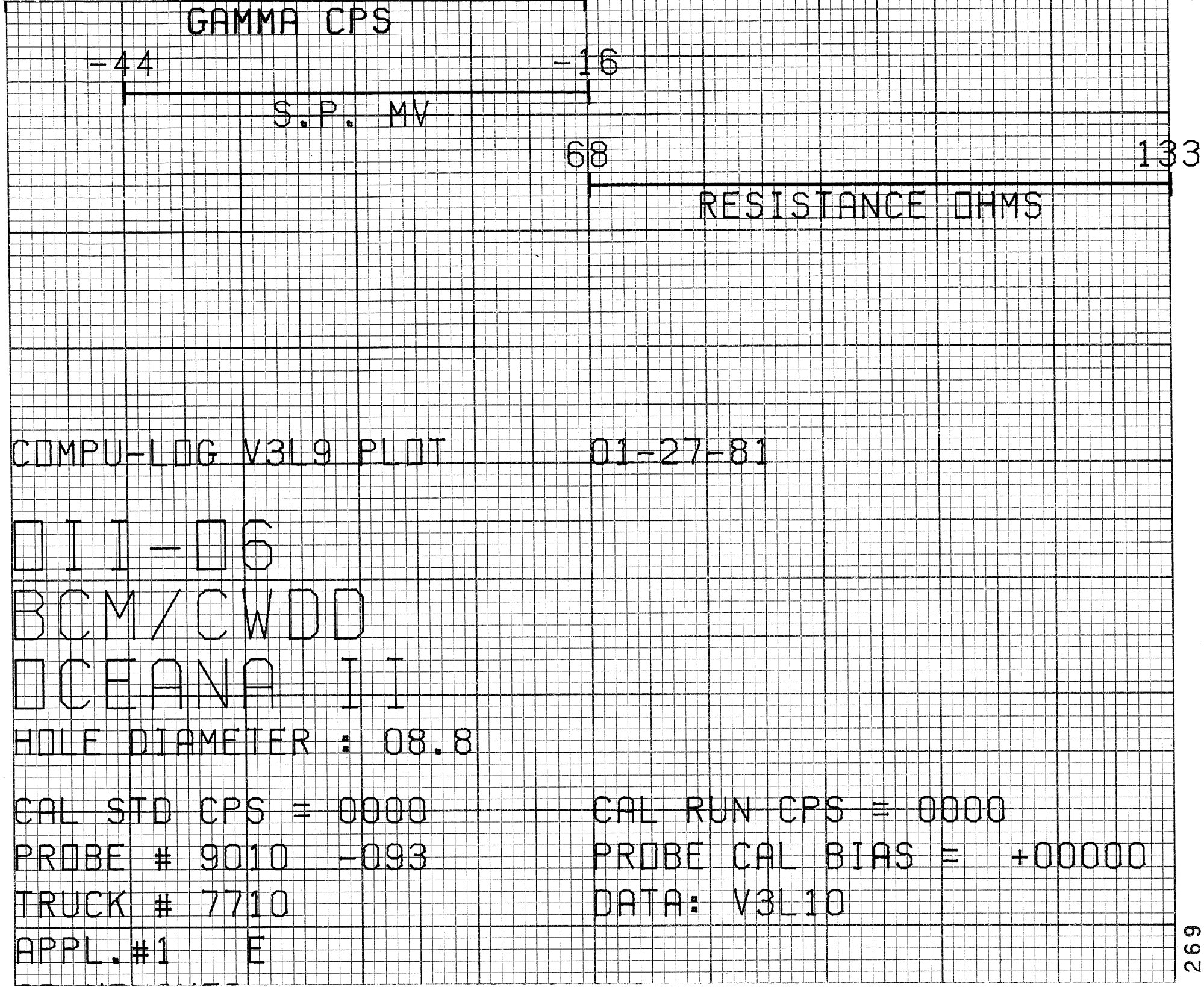
CENTURY GEOPHYSICAL CORP. PART NO. 786-0022 PRINTED IN U.S.A.





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

CB HUNAKER

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