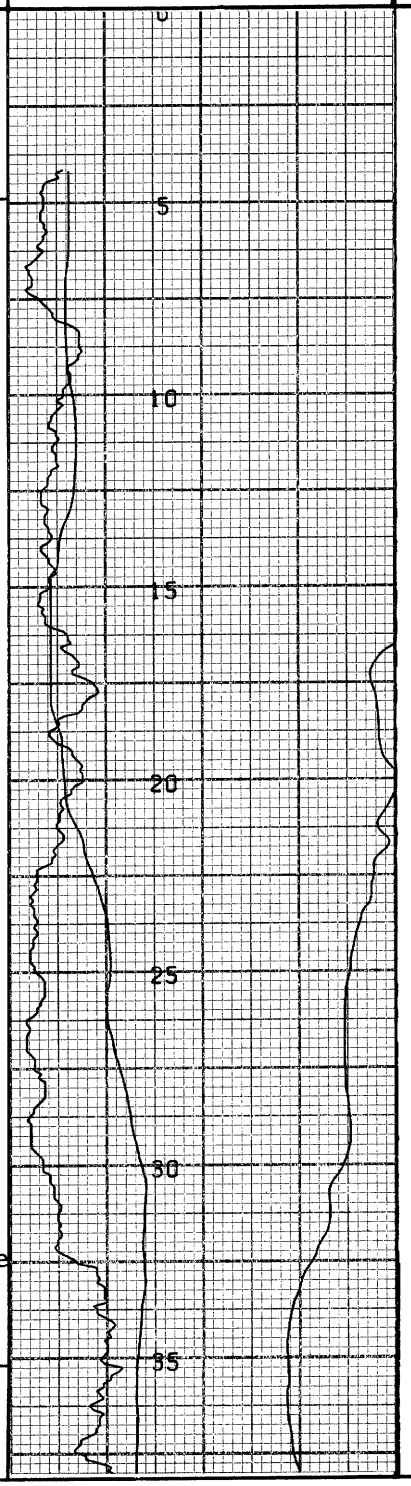
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OIII-01

PROJECT Virginia Beach Groundwater Development Project (Phase I)	SHT. NO. 1 OF 5
CLIENT Betz, Converse, Murdoch, Inc.	PROJ. NO. 80-07203-01
CONTRACTOR Warren George, INc.	ELEVATION 20'±
GROUND WATER	DATUM Nat'l Geodedic
	DATE START 2/6/81
	DATE FINISH 2/9/81
	DRILLER B. Muh
	CWDD REP. R.E.S.

GROUND WATER				Boring	CAS.	SAMP.	CORE	TUBE
DATE	TIME	DEPTH	CASING	TYPE				
				DIA.				
				WT.				
				FALL				

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

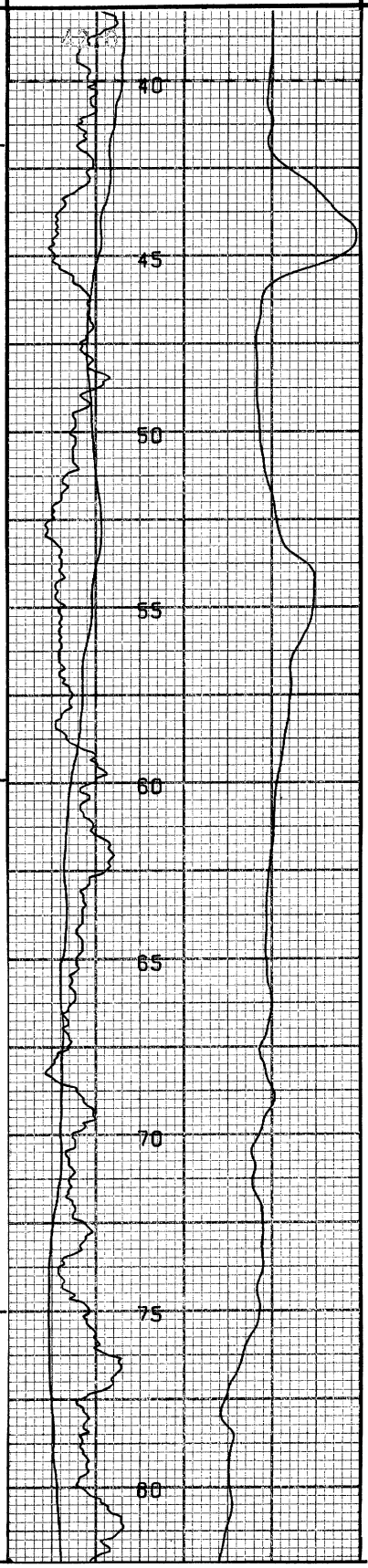


FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OIII-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
40					Gray clayey fine Sand (ML) 42.0
42					
44					
46					
48					
50					
52					
54					
56					Gray silty fine to medium Sand intercalated layers of sandy silt, trace shells (SP) 60.0
58					
60					
62					
64					
66					
68					
70					
72					Gray silty fine Sand (SM) 75.0
74					
76					
78					
80					
82					

E - LOG

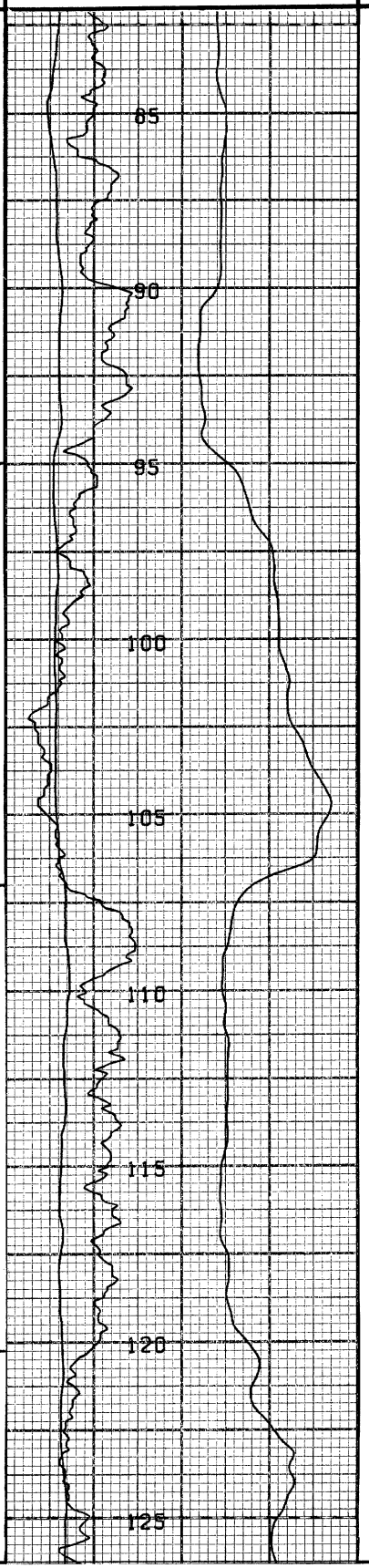


WELL

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. OIII-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					Grayish green clayey silt, trace mica (CL) 95.0		
94							
96							
98							
100							
102							
104					Grayish green silty fine to medium Sand (SP) 107.0		
106							
108							
110							
112							
114							
116					Gray clayey silt, trace mica (MH) 120.0		
118							
120							
122							
124							
126							

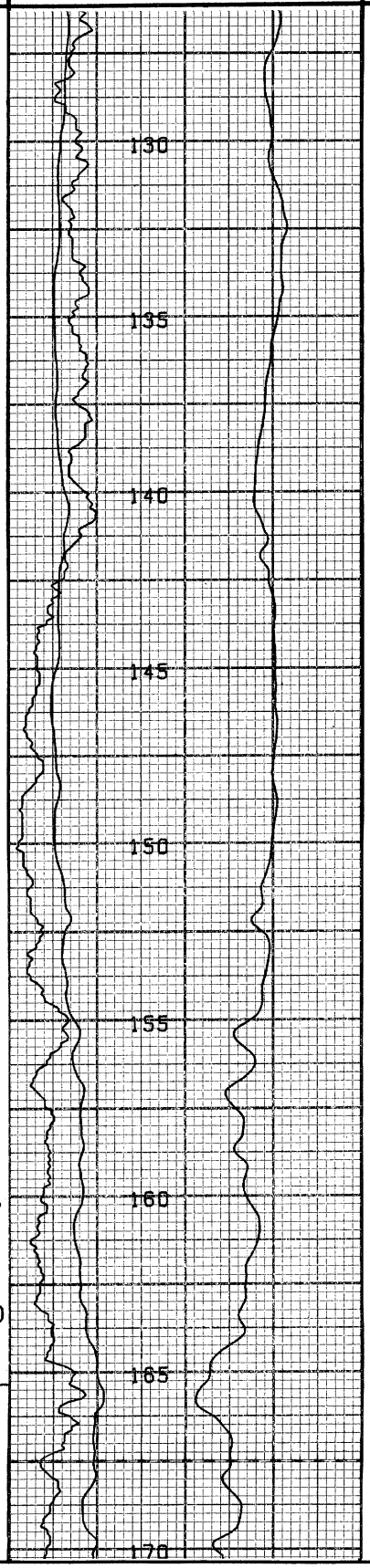


FOR INTERPRETATION OF SOIL, ROCK AND GROUNDWATER CONDITIONS, SEE TEXT OF CONVERSE WARD DAVIS DIXON REPORT, OF WHICH THIS LOG IS A PART.

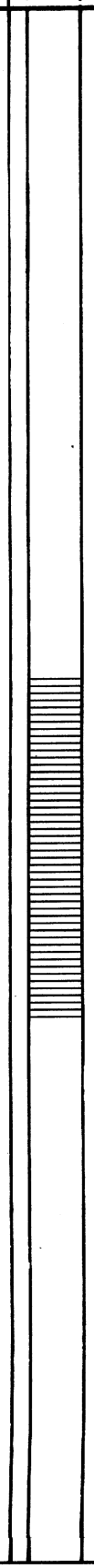
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OIII-01
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 5
CLIENT Betz, Converse, Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
128					
130					
132					
134					
136					
138					
140					
142					
144					
146					
148					
150					
152					
154					
156					
158					
160					Gray silty fine to coarse Sand, downward gravelly, clayey, little shells ($M)
162					
164					165.0
166					
168					
170					

E - LOG



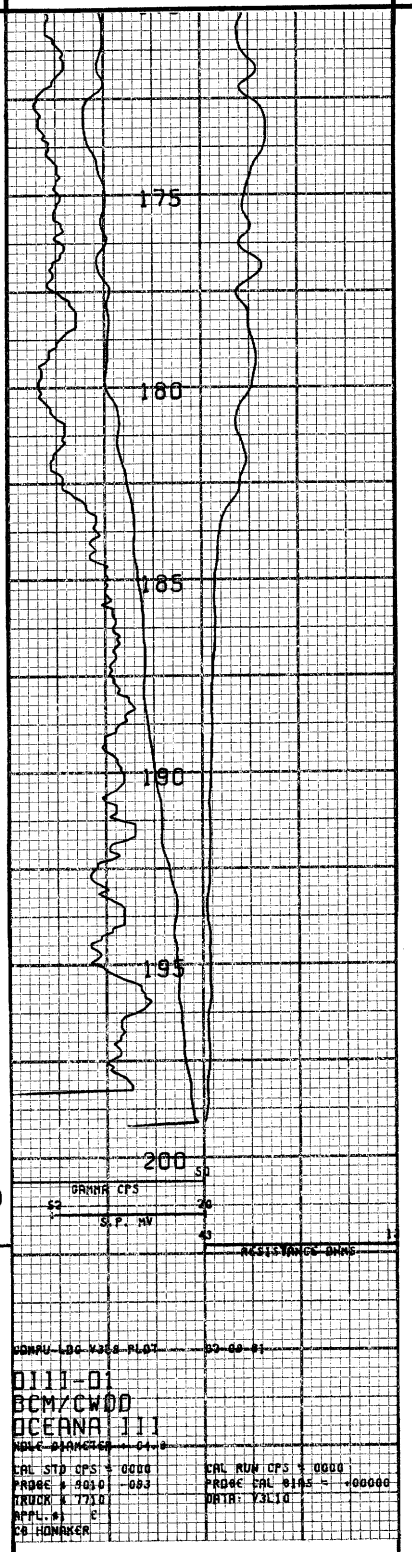
WELL



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. OIII-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							
186							
188							
190							
192							
194							
196							
198							
200					Gray sandy silt, clayey downward, trace mica (CL)		
202					202.0		
204							
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.

CENTURY GEOPHYSICAL CORPORATION

Tulsa, Oklahoma

BOREHOLE	DATE
OIII-01	9 FEB 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: OIII-01

AREA: OCEANA III

ELEVATION:

COUNTY: VA BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	200'	BIT SIZE	4 3/4"
TOTAL DEPTH — LOGGER	200'	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	200'	CASING DEPTH	NA
LOGGING SPEED	30 FT/MIN	BOREHOLE FLUID	HOH
REFERENCE LEVEL	GL	FLUID RESISTIVITY	24.0 @50°F
PROBE NO.	9010-093	SOFTWARE LEVEL	V3L10
TIME IN: 0906		SCALE SELECTION	☒ OPERATOR ☐ CLIENT
TIME OUT: 0936		TP 6 - TK 2	

REMARKS:

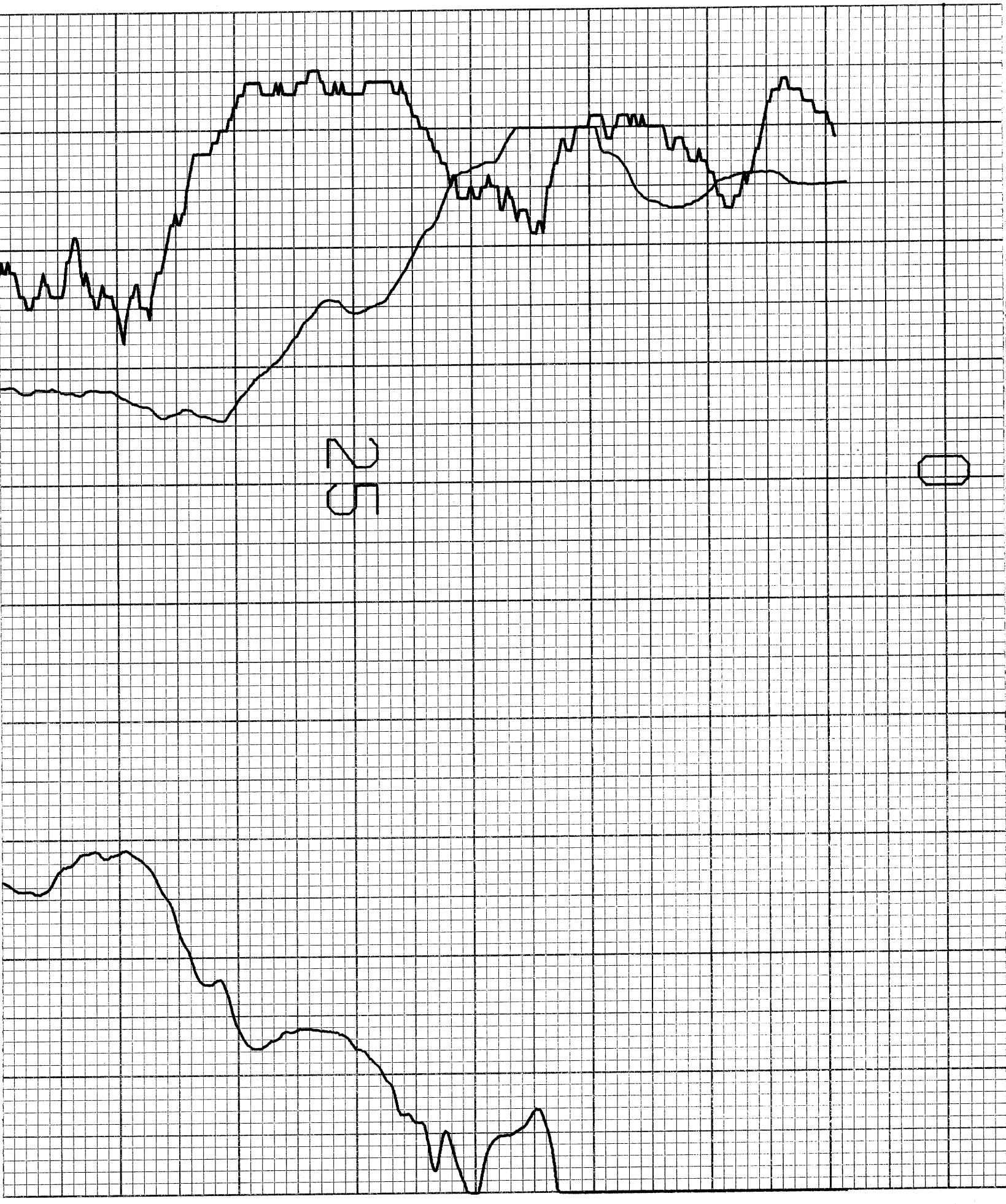
EQUIPMENT DATA

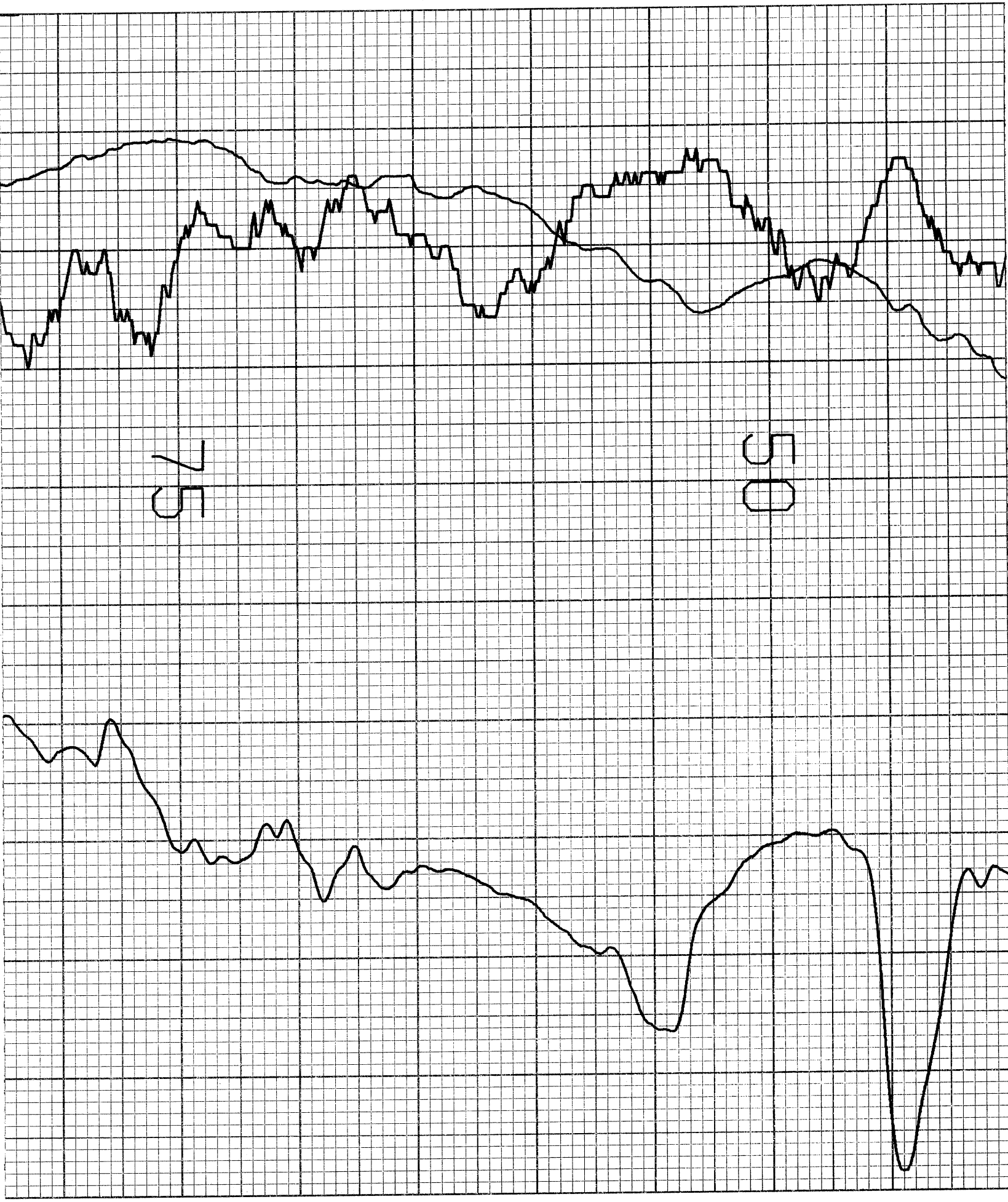
		9010	9030	9050/55	9060
PROBE MODEL		9010	9030	9050/55	9060
PROBE DIAMETER		1.87"	2.0"	1.87"	1.4"
NATURAL GAMMA	DETECTOR TYPE	NaI	NaI	NaI	NaI
	DETECTOR SIZE	.875" x 1.25"	1.125" x 4.5"	.875" x 4.0"	.5" x 3.0"
	STD. K-FACTOR	1.59×10^{-5}	—	$.558 \times 10^{-5}$	1.62×10^{-5}
	STD. DEADTIME	1 μsec	—	1.18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

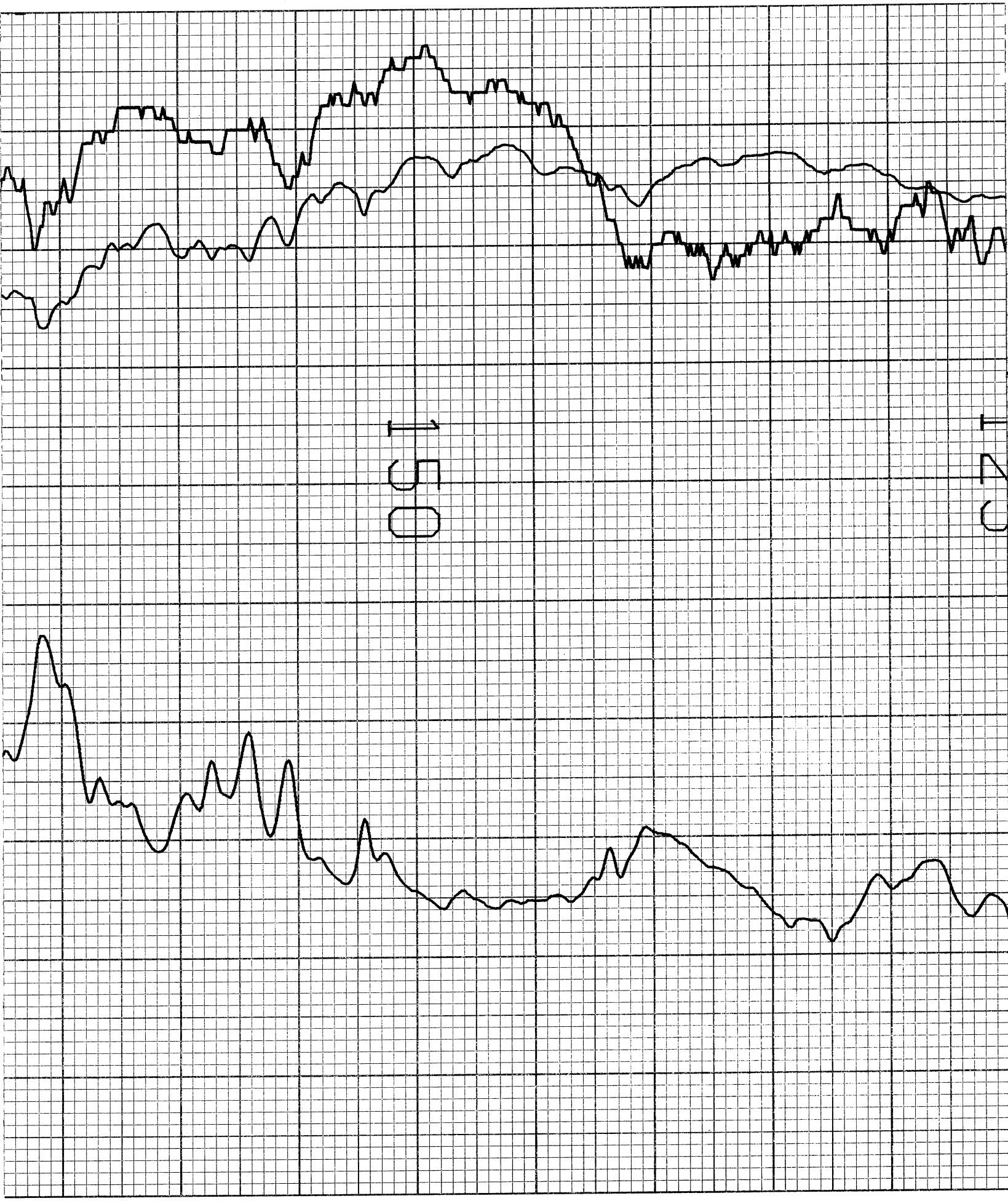
CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

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

RESISTANCE OHMS

COMPU-LOG V3L9 PLOT 02-09-81

OIII-01
BCM/CWDD
OCEANA III

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