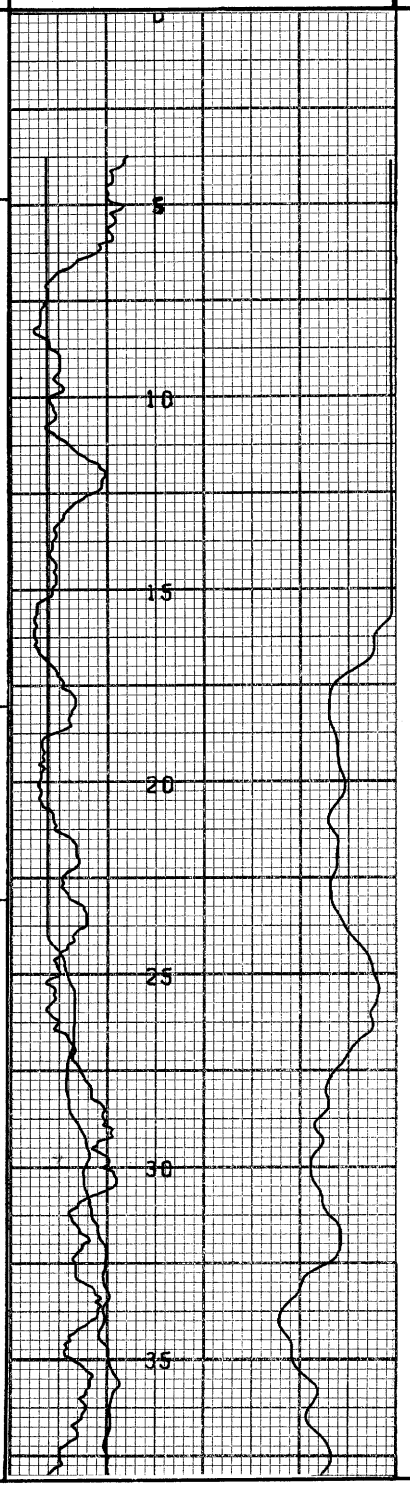
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OII-M2

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 17.2	
GROUND WATER		DATUM City of V.B.	
DATE START 1/21/81			
DATE FINISH 1/23/81			
DRILLER J. Kramer			
CWDD REP. L. Rosovsky			

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

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY
2					Dark brown sandy Silt (ML)
4					
					5.0'
6					Light gray silty fine Sand (SM)
8					
10					
12					
14					
16					
18					18.0'
20					Dark gray sandy Silt (ML)
22					23.0'
24					Gray fine to medium Sand, silty downward, intercalated layers of clayey Silt with some shells (SM)
26					
28					
30					
32					
34					
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-M2
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 2 OF 5
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

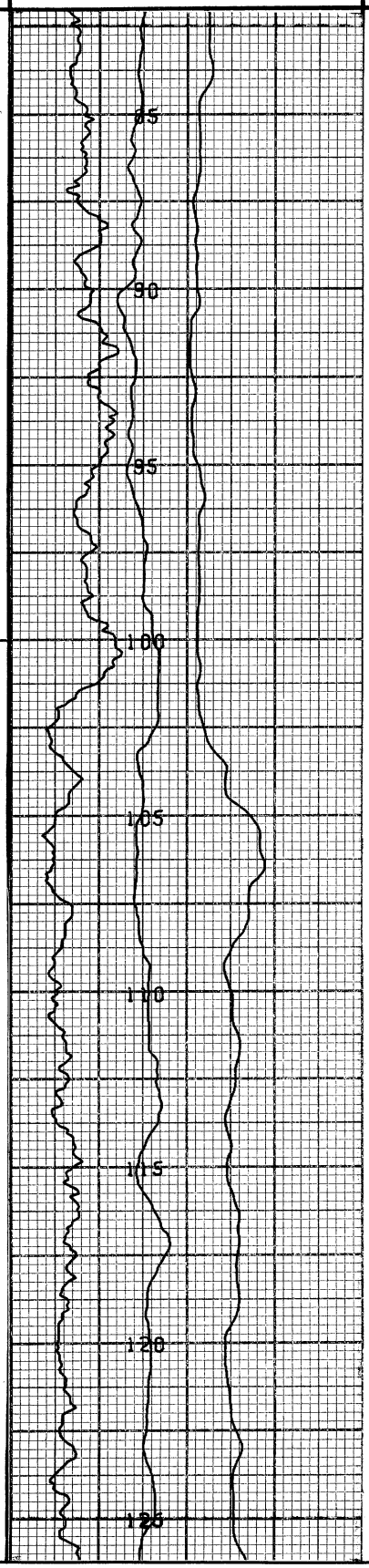
DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
40					40.0'	40	
42							
44							
46						45	
48					Bluish gray silty Clay, trace shells (CL)		
50						50	
52							
54							
56						55	
58							
60					60.0'	60	
62							
64							
66						65	
68					Greenish gray silty fine to medium Sand, intercalated layers of Clay with trace mica (SP)		
70						70	
72							
74							
76						75	
78							
80					80.0'	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. OII-M2
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					Grayish blue silty Clay, trace mica (CL)
86					
88					
90					
92					
94					
96					
98					
100					100.0'
102					Dark green to grayish blue silty fine to medium Sand, clayey downward, some shells, intercalated layers of fine to coarse Sand (SM)
104					
106					
108					
110					
112					
114					
116					
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.

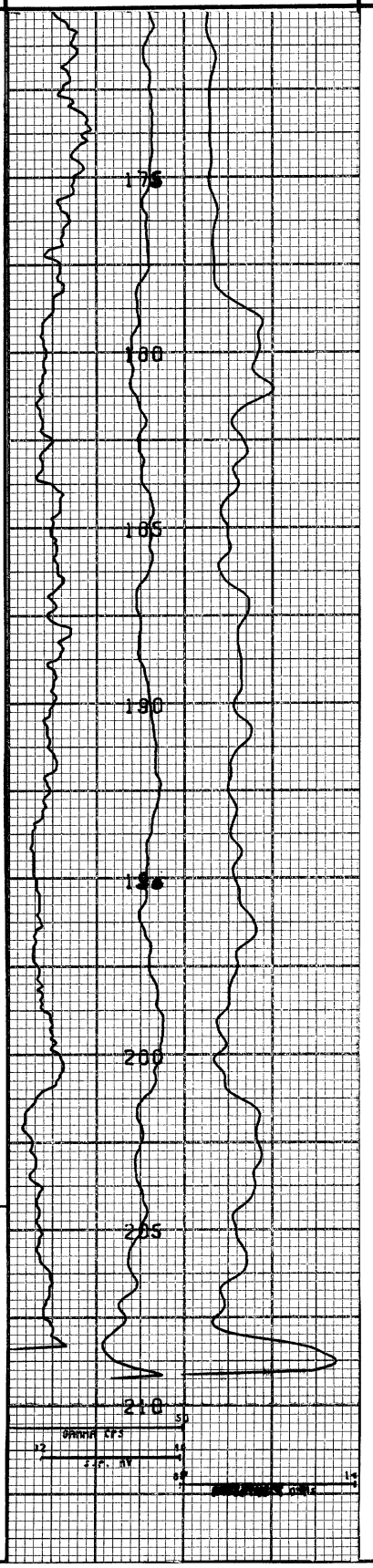
Converse Ward Davis Dixon, Inc. Geotechnical Consultants	WELL LOG	WELL NO. OII-M2
PROJECT Virginia Beach Groundwater Development Project (Phase I)		SHT. NO. 4 OF 5
CLIENT Betz Converse Murdoch, Inc.		PROJ. NO. 80-07203-01

DEPTH FT.	CASING BLOWS	SAMPLE NO.	BLOWS ON SAMPLE SPOON PER 6"	SYMBOL	STRATIGRAPHY	E - LOG	WELL
128							
130						130	
132							
134							
136						135	
138							
140						140	
142							
144							
146						145	
148							
150						150	
152							
154							
156						155	
158							
160					160.0'	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. OII-M2
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					Bluish gray clayey fine to medium Sand, some shells, intercalated layers of sandy Clay (SC)		
174							
176							
178							
180							
182							
184							
186							
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-M2	22 JAN 81
UNIT/OPERATOR	**FIELD OFFICE**
7710/HONAKER	LEXINGTON

COMPANY: BCM/CWDD

BOREHOLE: OTT-M2

AREA: OCEANA TT

ELEVATION:

COUNTY: VA. BEACH CITY

STATE: VA

SECTION:

TOWNSHIP:

RANGE:

HOLE DATA

TOTAL DEPTH — DRILLER	210	BIT SIZE	6"
TOTAL DEPTH — LOGGER	210	CASING — TYPE & SIZE	NA
TOTAL FOOTAGE LOGGED	210	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: 1600		SCALE SELECTION	☒ OPERATOR ☒ CLIENT
TIME OUT: 1630			

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	—	—

CENTURY GEOPHYSICAL CORP. PART NO. 786-0022

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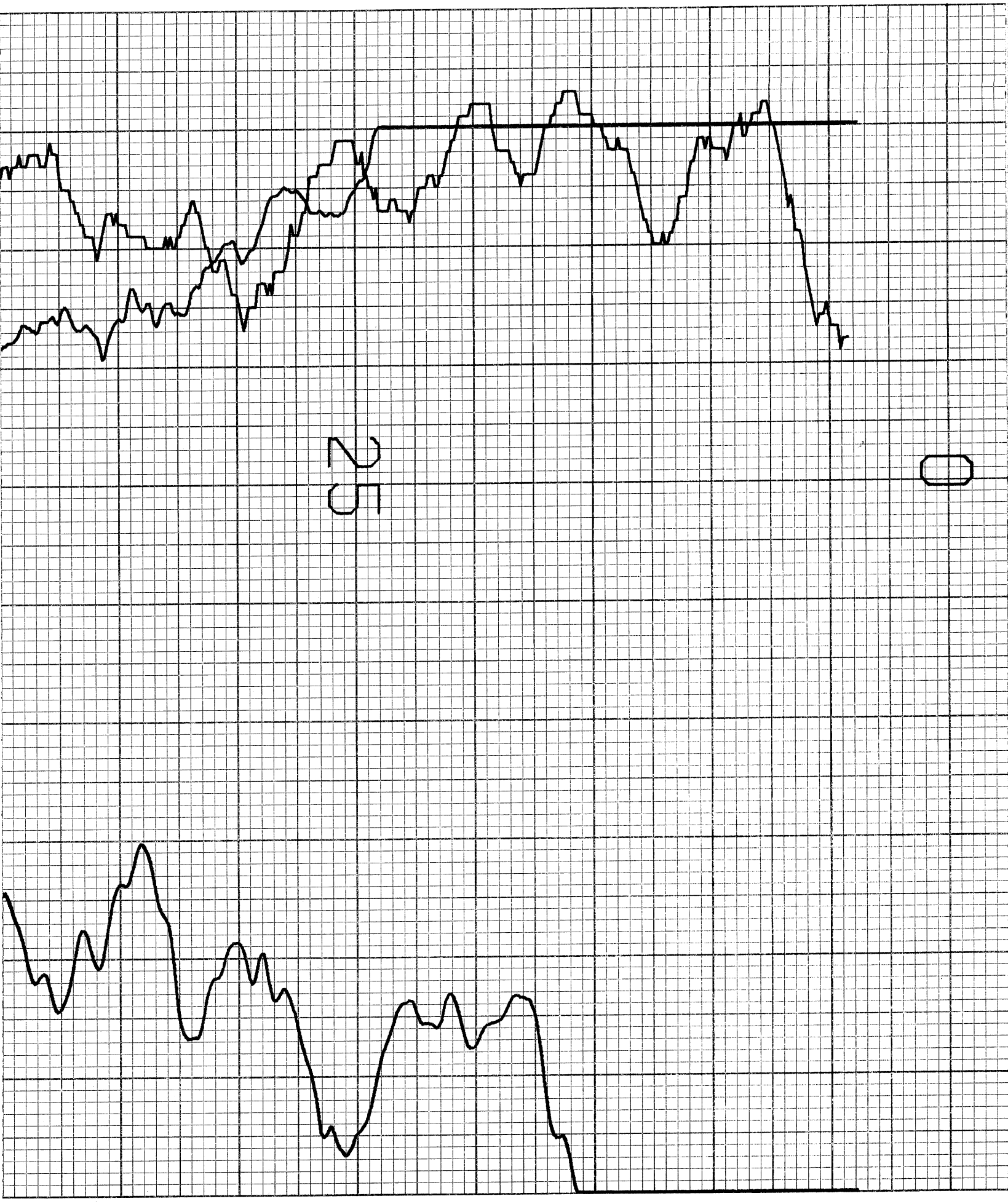

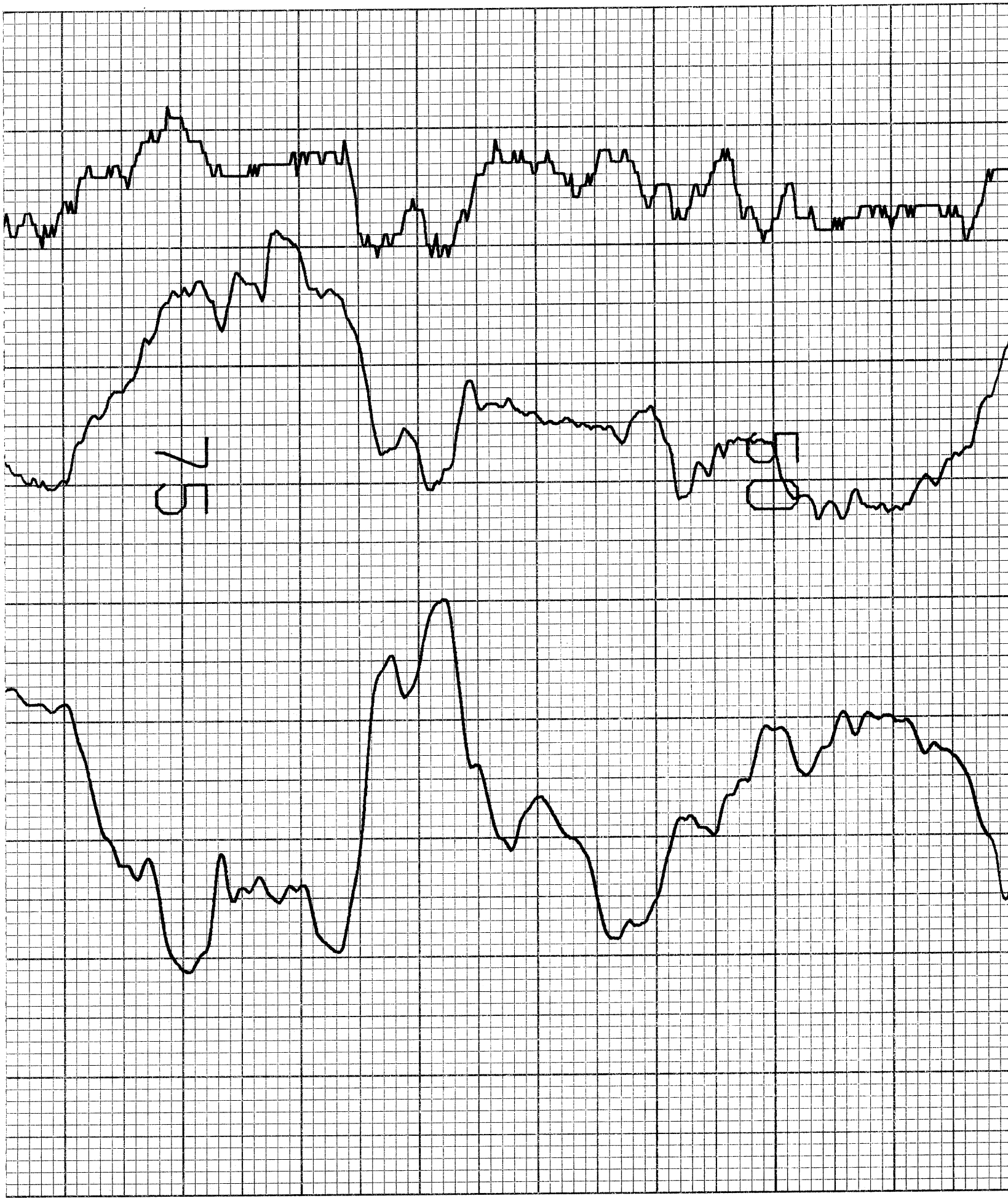
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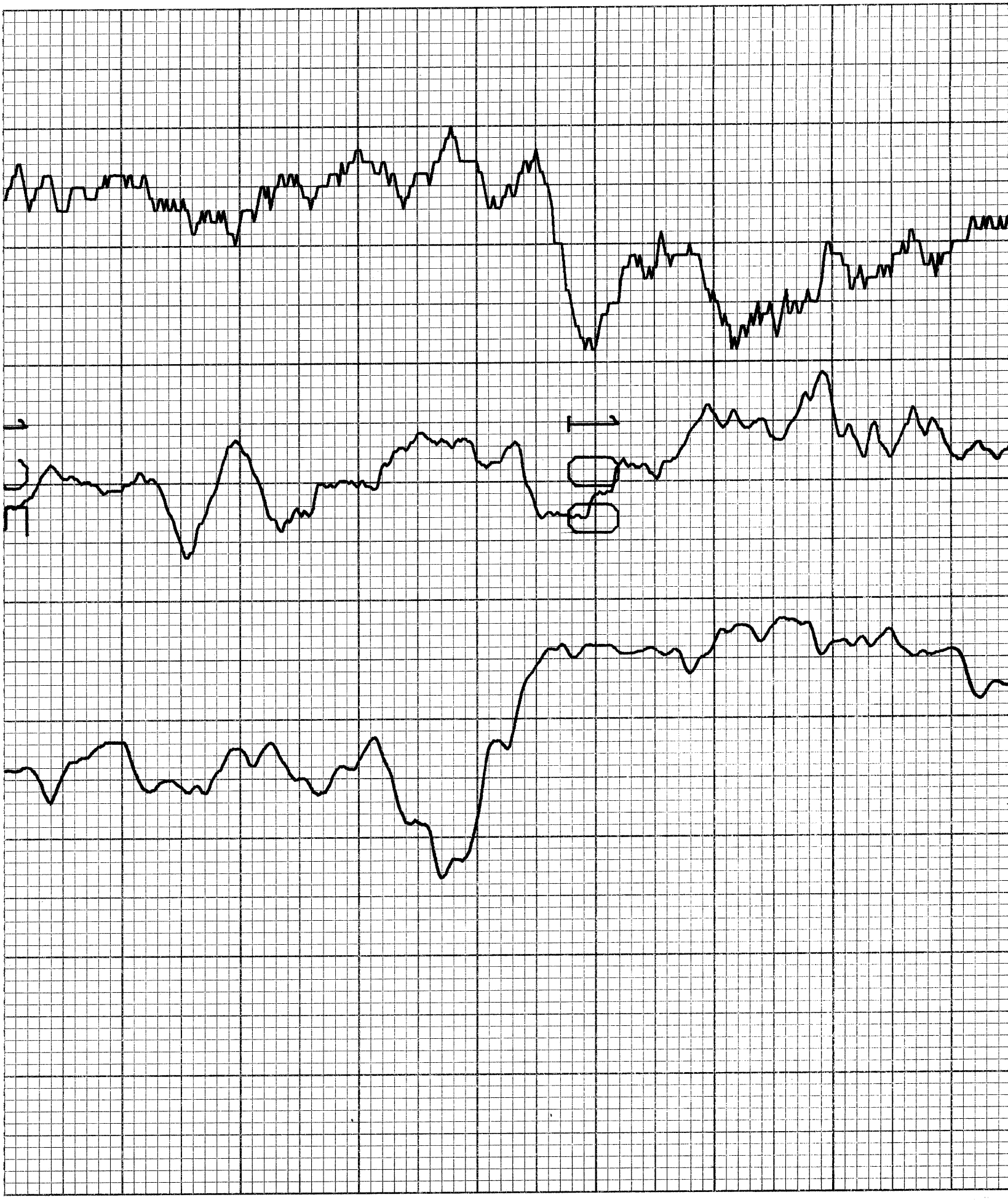

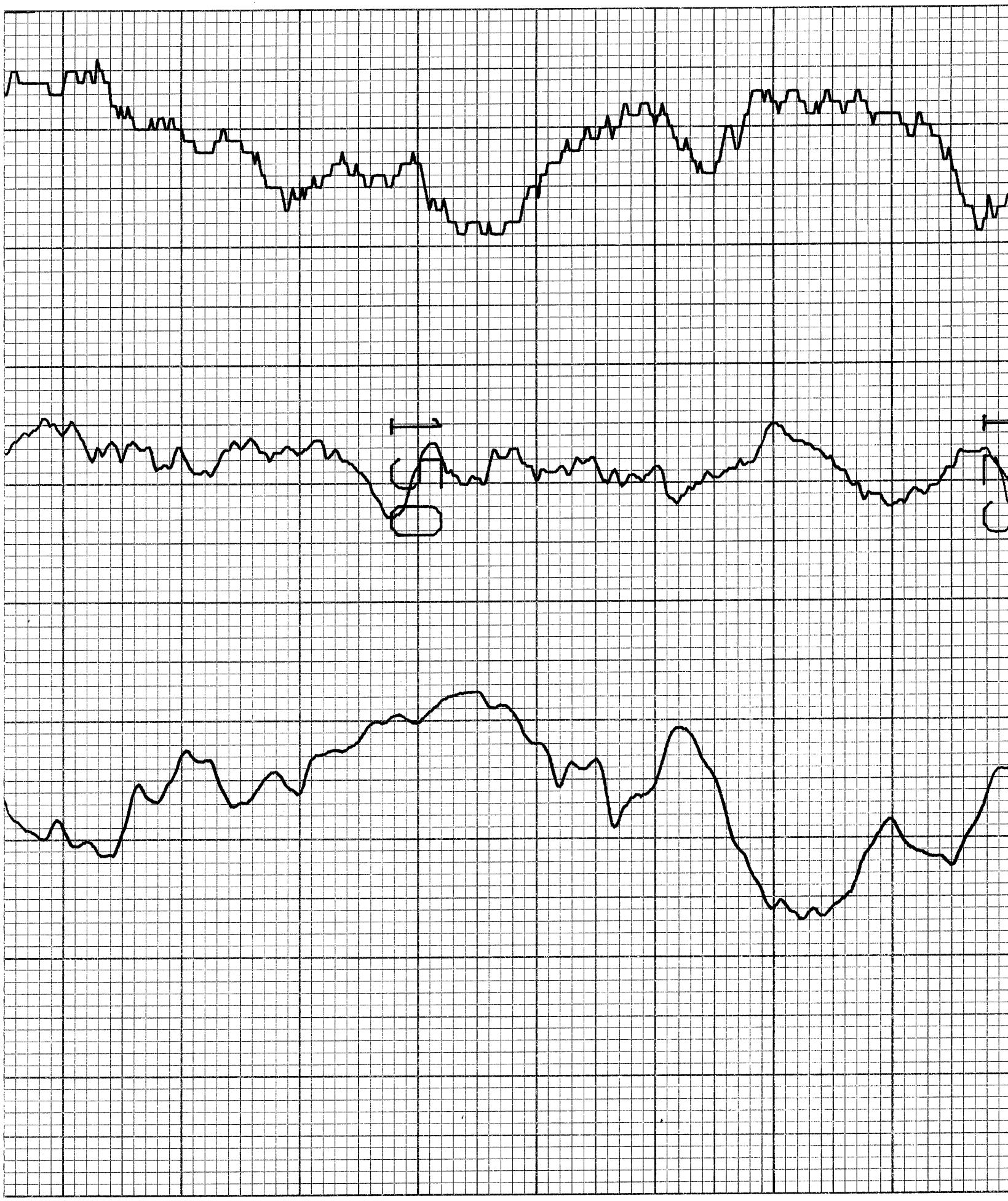
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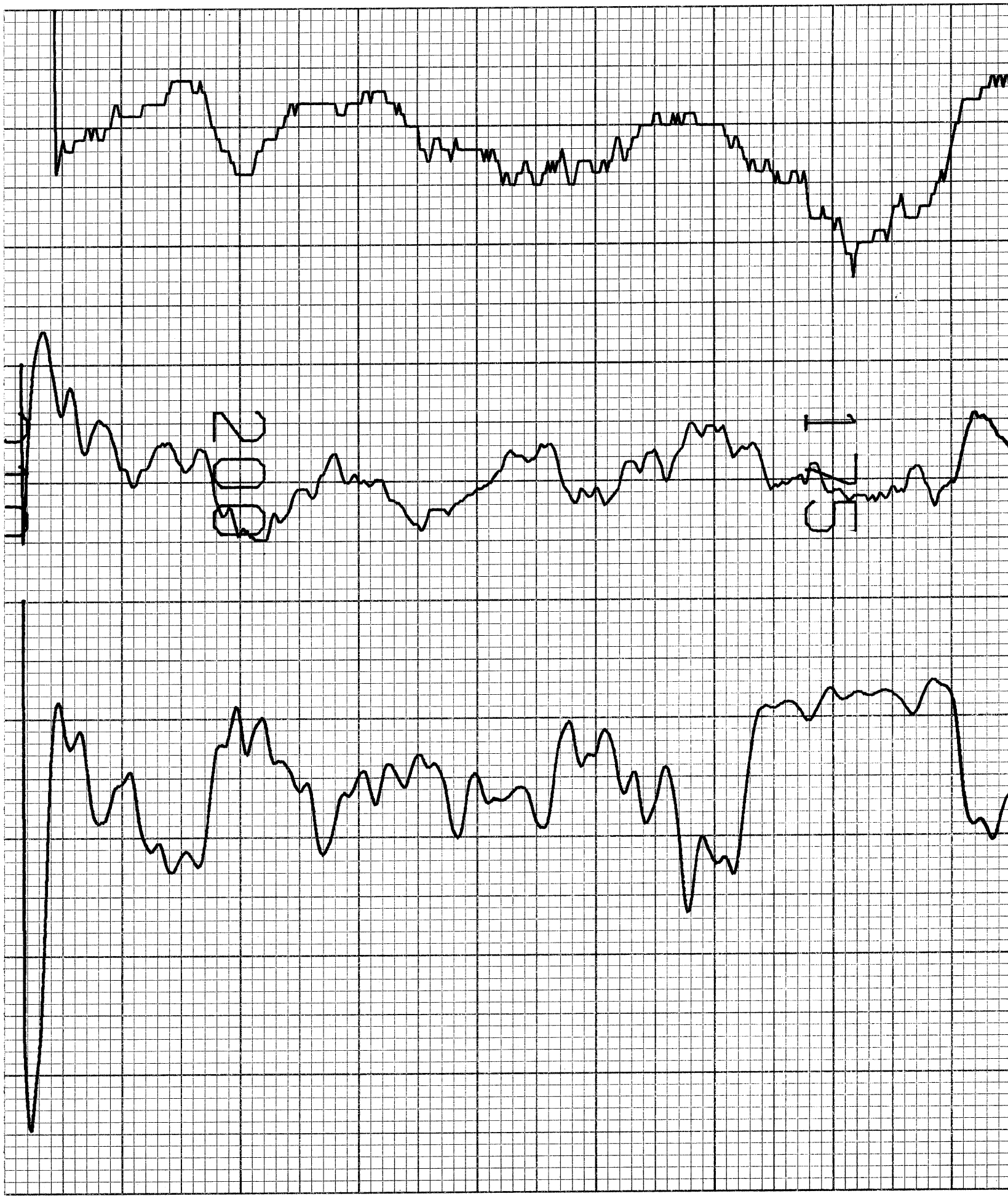

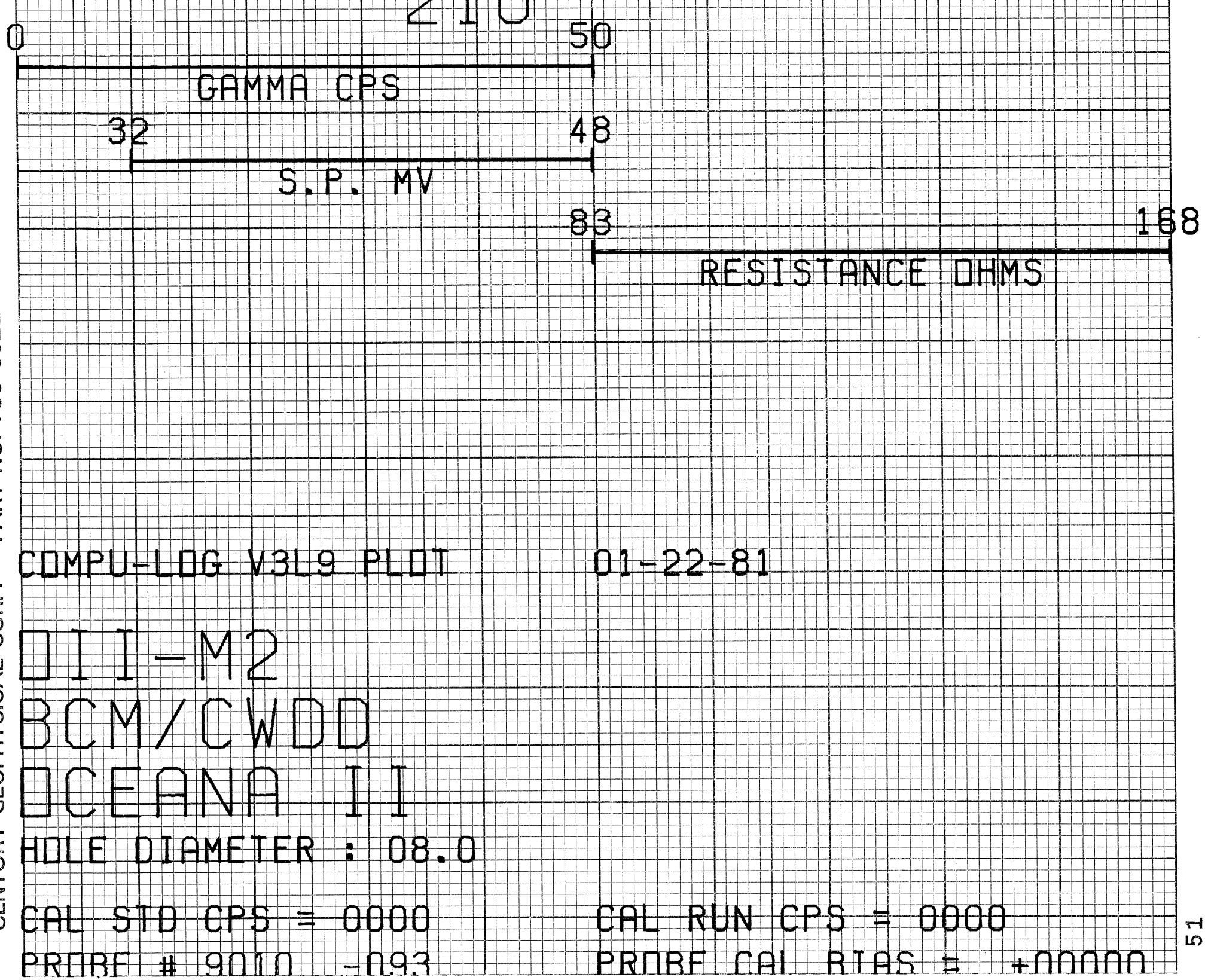

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TRUCK # 7710 DATA: V3L10

APPL. #1 E

CB HONAKER

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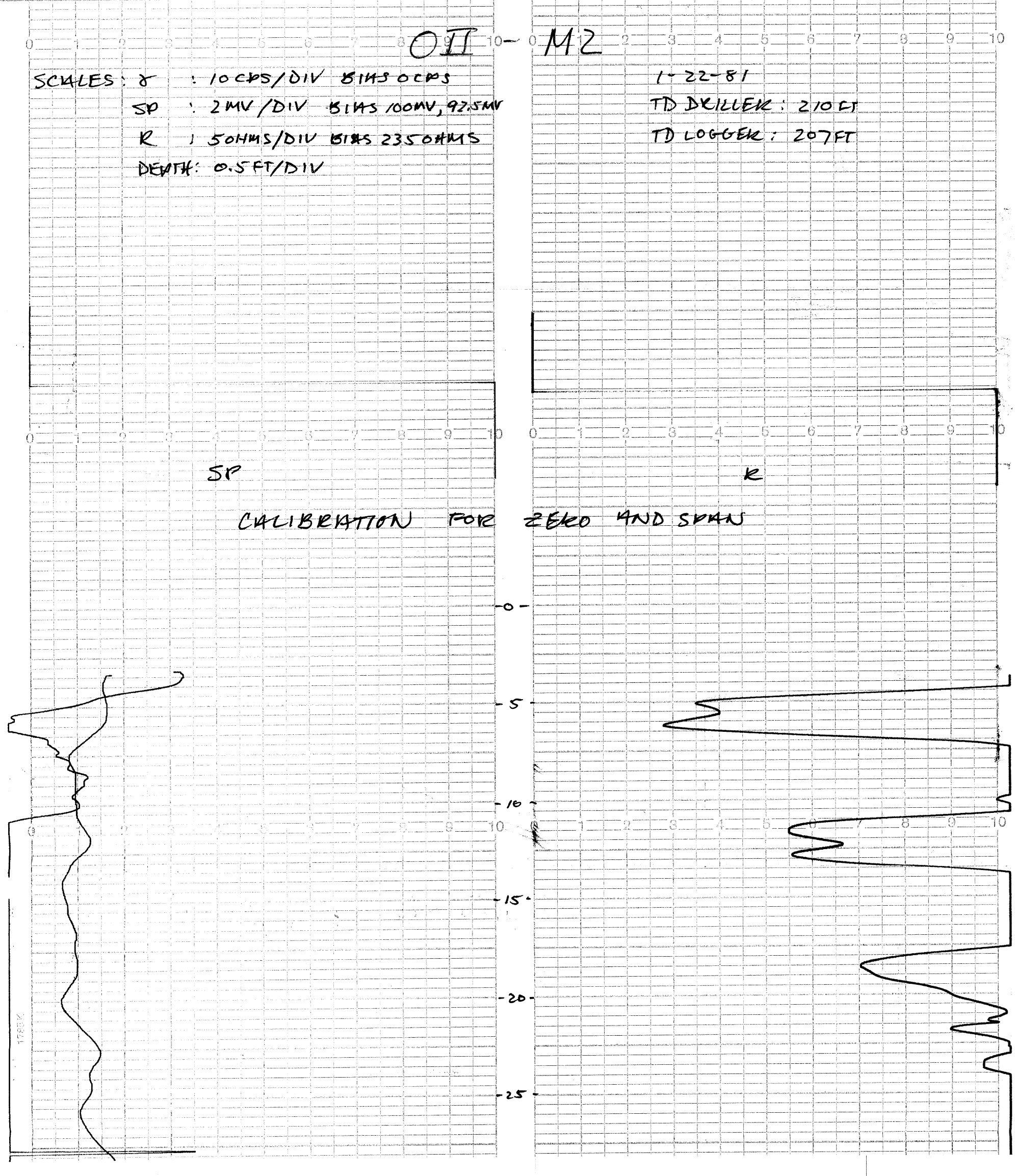
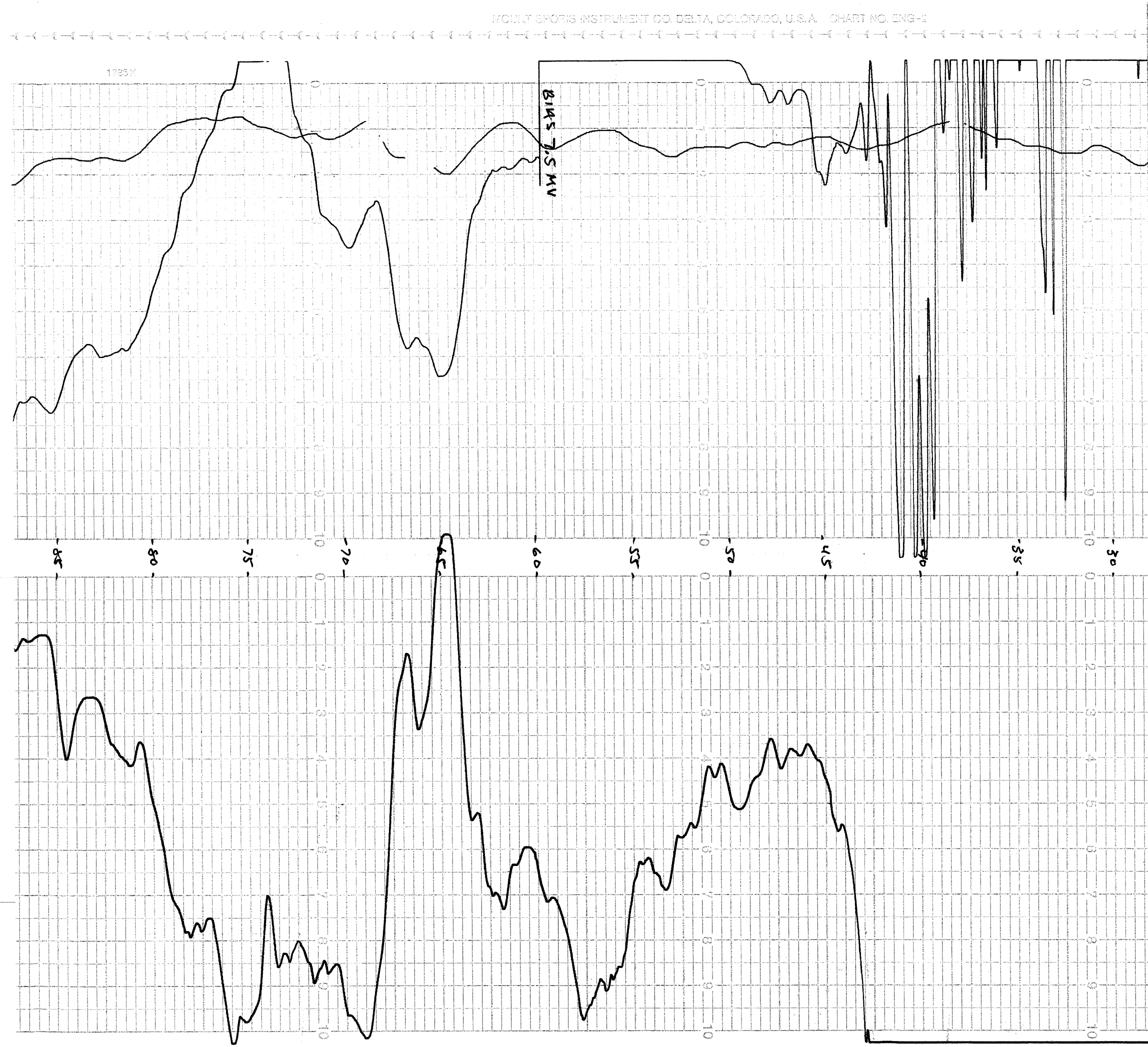

OII
M2
SCALES: γ : 10 CPS/DIV BIAS 0 CPS
SP : 2 MV/DIV BIAS 100MV, 92.5MV
R : 5 OHMS/DIV BIAS 235 OHMS
DEPTH: 0.5 FT/DIV
1-22-81
TD DRILLER: 210 FT
TD LOGGER: 207 FT
SP
R
CALIBRATION FOR ZERO AND SPAN
0
5
10
15
20
25


MOULT SPORTS INSTRUMENT CO. DELTA, COLORADO, U.S.A. CHART NO. ENG-2
1785K
BMS 7.5 MV
85
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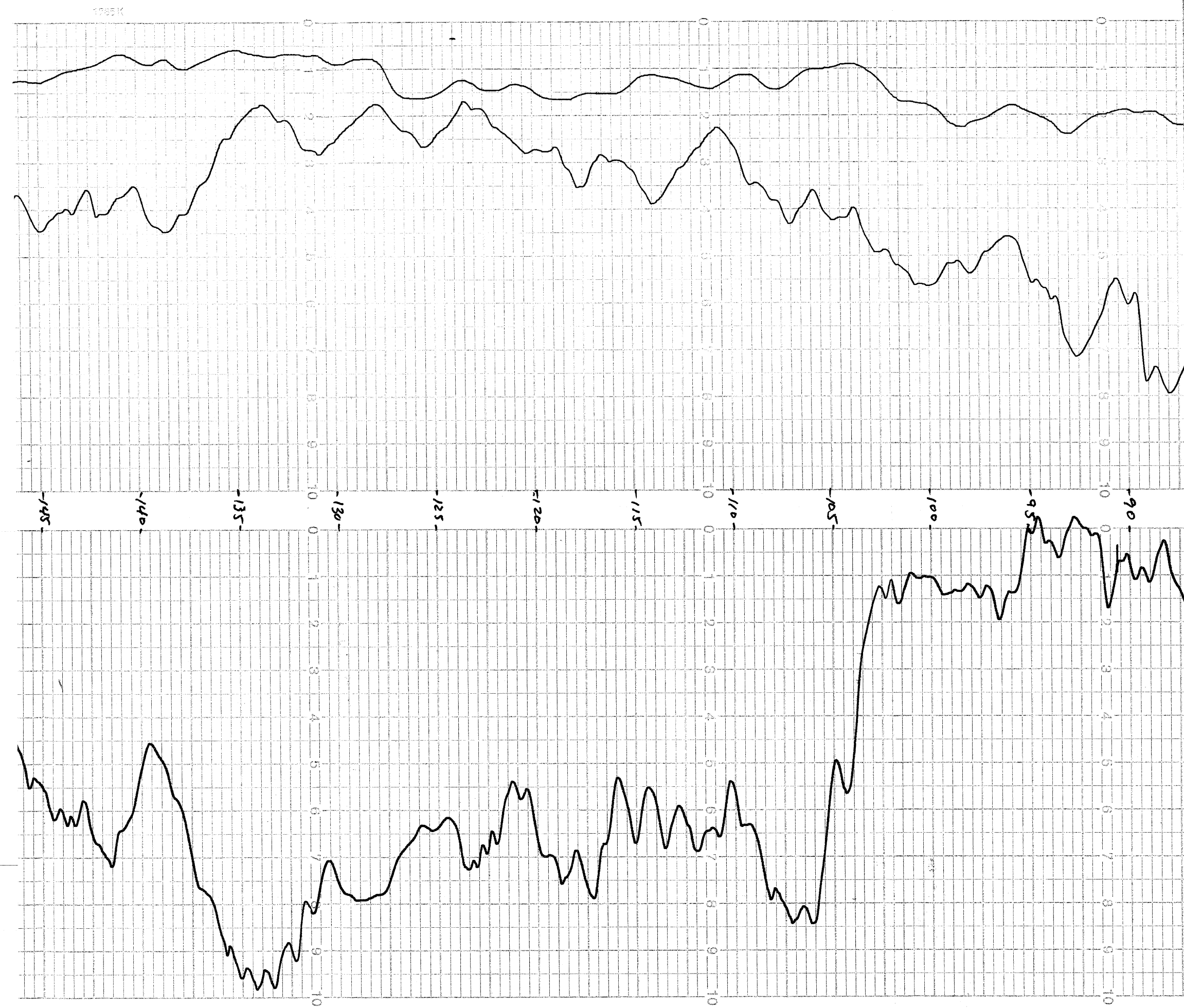

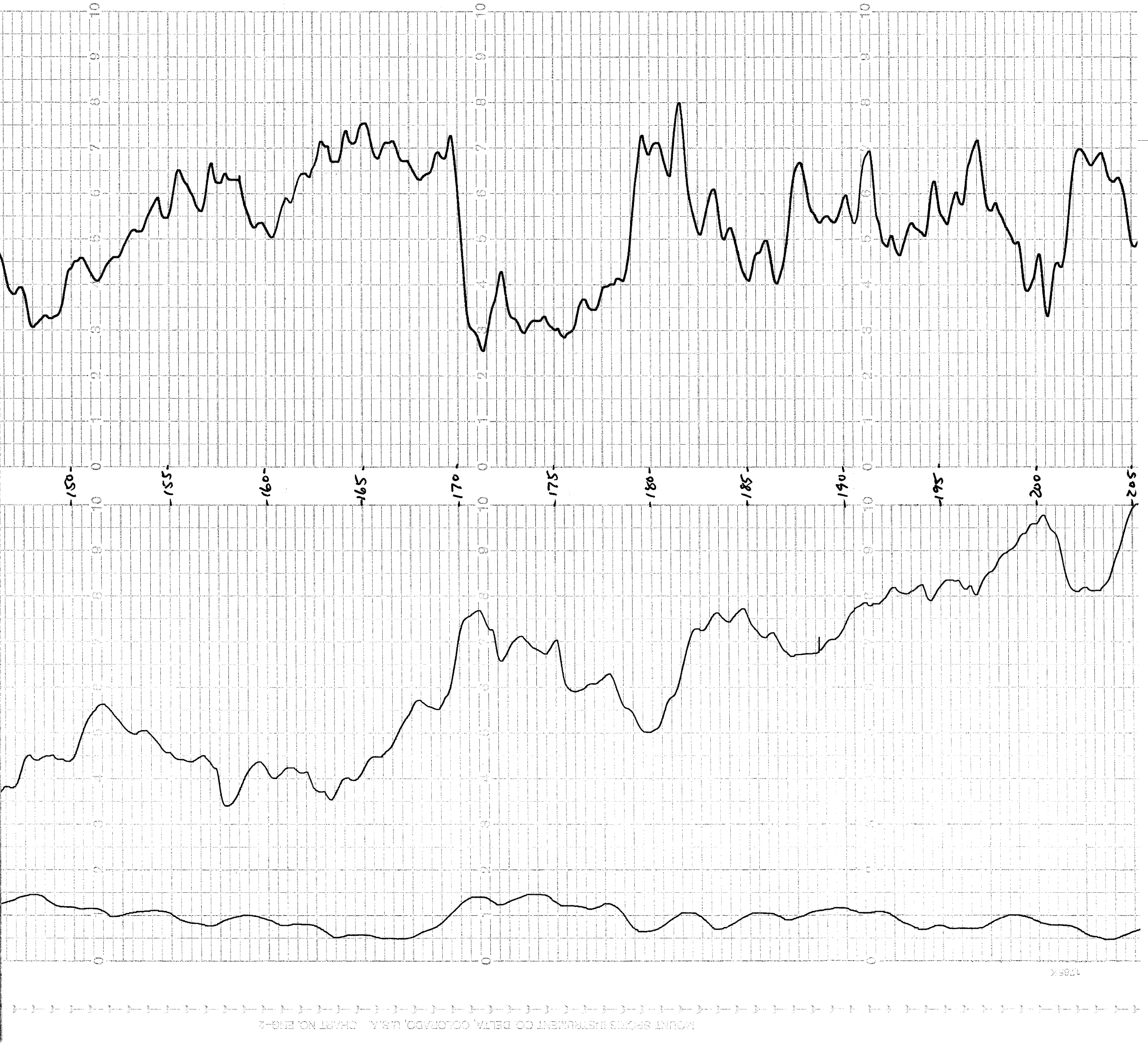
150
155
160
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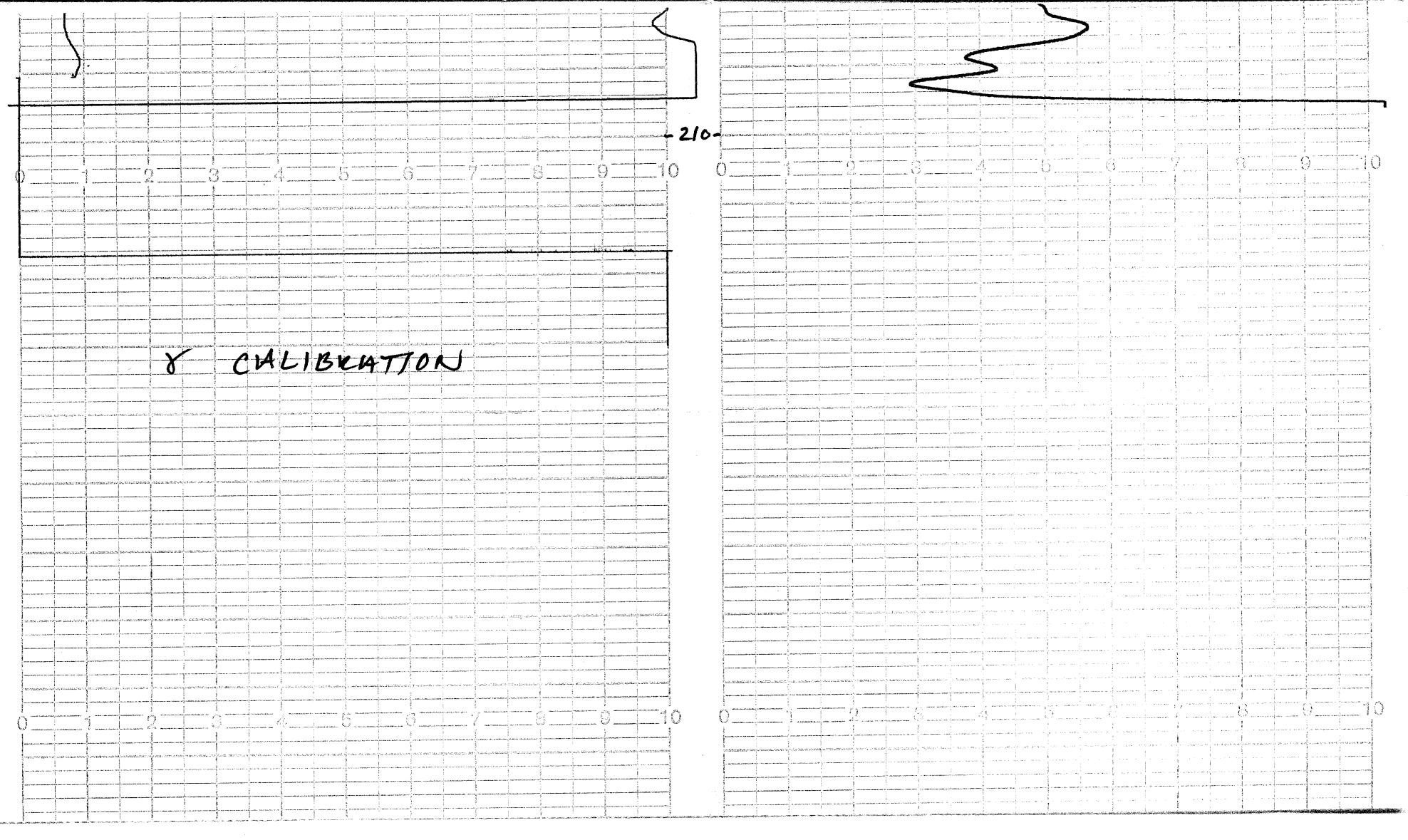

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