

BRAD HUTCHINSON

116 EVES DRIVE
RUSSELL, KANSAS 67665

785-483-0492

GEOLOGIST'S REPORT

DRILLING TIME AND SAMPLE LOG

| | |
|--|--|
| COMPANY <u>Prospect Oil & Gas, Inc.</u> LEASE <u>West Beaver Creek #3</u> FIELD <u>Hall - Gurney</u> LOCATION <u>SW NW NE SW</u> SEC <u>29</u> TWSP <u>15S</u> RGE <u>12W</u> COUNTY <u>Russell</u> STATE <u>Kansas</u> | ELEVATIONS KB <u>1882'</u> DF _____ GL <u>1875'</u> Measurements Are All From <u>Kelly Bushing</u> |
| CONTRACTOR <u>Royal Drilling, Inc.</u> SPUD <u>6-7-12</u> COMP <u>6-13-12</u> RTD <u>3430 (-1548)</u> LTD <u>3430 (-1548)</u> MUD UP <u>2500'</u> TYPE MUD <u>CHEMICAL</u> | CASING SURFACE <u>8 5/8" @ 571'</u> PRODUCTION <u>5 1/2" @ 3426'</u> ELECTRICAL SURVEYS DIL CNL/CDL MEL |

SAMPLES SAVED FROM _____ 2650' TO _____ RTD
 DRILLING TIME KEPT FROM _____ 2650' TO _____ RTD
 SAMPLES EXAMINED FROM _____ 2700' TO _____ RTD
 GEOLOGICAL SUPERVISION FROM _____ 2700' TO _____ RTD
 GEOLOGIST ON WELL BRAD J HUTCHINSON

| FORMATION TOPS | LOG | SAMPLES | |
|-------------------------|--------------------|--------------------|---|
| <u>Anhydrite</u> | <u>816 +1066</u> | <u>817 +1065</u> | <div style="border: 1px solid black; width: 80px; height: 100px; margin: auto; display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;"> <p>29</p> <p>o</p> <p>wbc-3</p> </div> </div> |
| <u>Topeka</u> | <u>2700 - 818</u> | <u>2699 - 817</u> | |
| <u>Hebbner</u> | <u>2976 - 1094</u> | <u>2976 - 1094</u> | |
| <u>Toronto</u> | <u>2996 - 1114</u> | <u>2996 - 1114</u> | |
| <u>Lansing</u> | <u>3073 - 1191</u> | <u>3075 - 1193</u> | |
| <u>Base Kansas City</u> | <u>3314 - 1432</u> | <u>3314 - 1432</u> | |
| <u>Arbuckle</u> | <u>3344 - 1462</u> | <u>3344 - 1462</u> | |
| | | | |
| | | | |
| | | | |

RECOMMENDATIONS: The WBC-3 was drilled via a 3-D survey. It was recommended based on the one (1) positive drillstem test, that 5 1/2" production casing be set and cemented at 3426', four (4) feet off bottom, and the following zone to be tested.

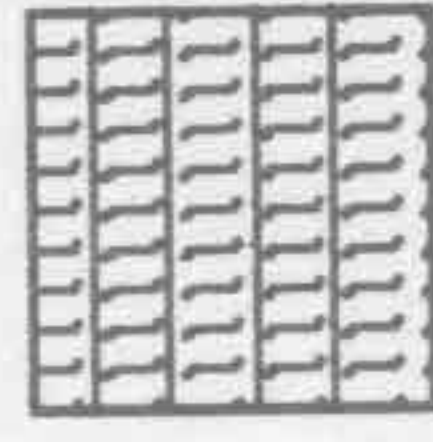
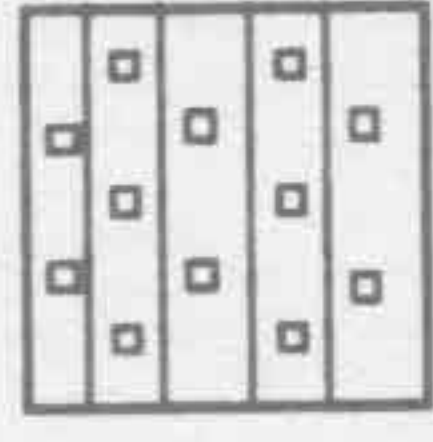

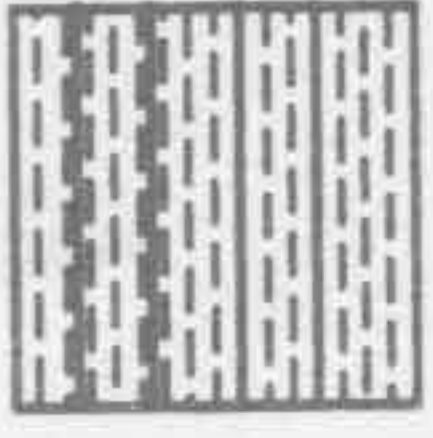

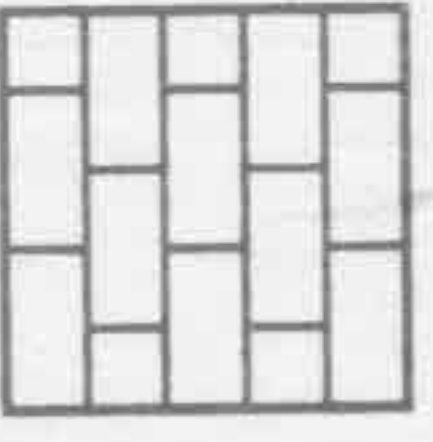
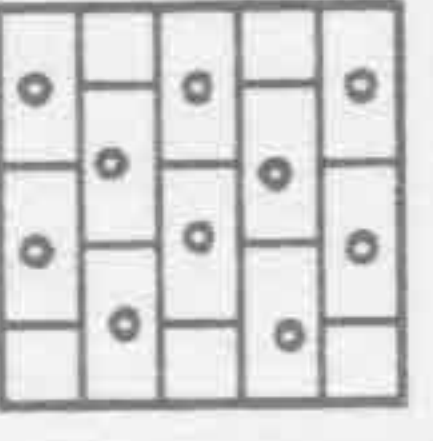
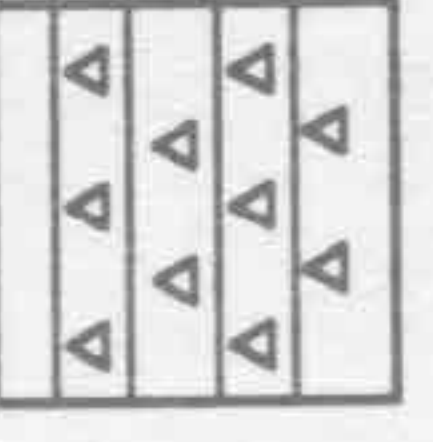
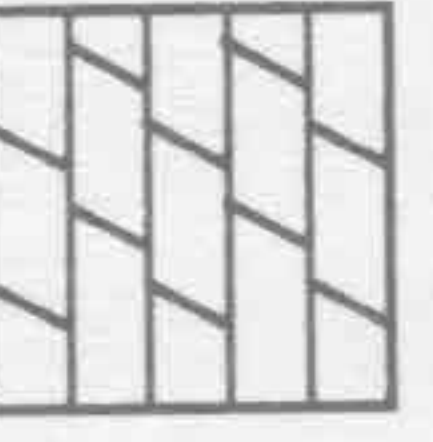
1. Arbuckle - 3353-3355

| DATE | DEPTH | DEVIATION |
|--------|-------|-----------|
| 6-7-12 | 571' | 1 1/4° |
| 6-8-12 | 3020' | 1 1/2° |

| DATE | DEPTH | DEVIATION |
|--------|-------|-----------|
| 6-7-12 | 571' | 1 1/4° |
| 6-8-12 | 3020' | 1 1/2° |

7505

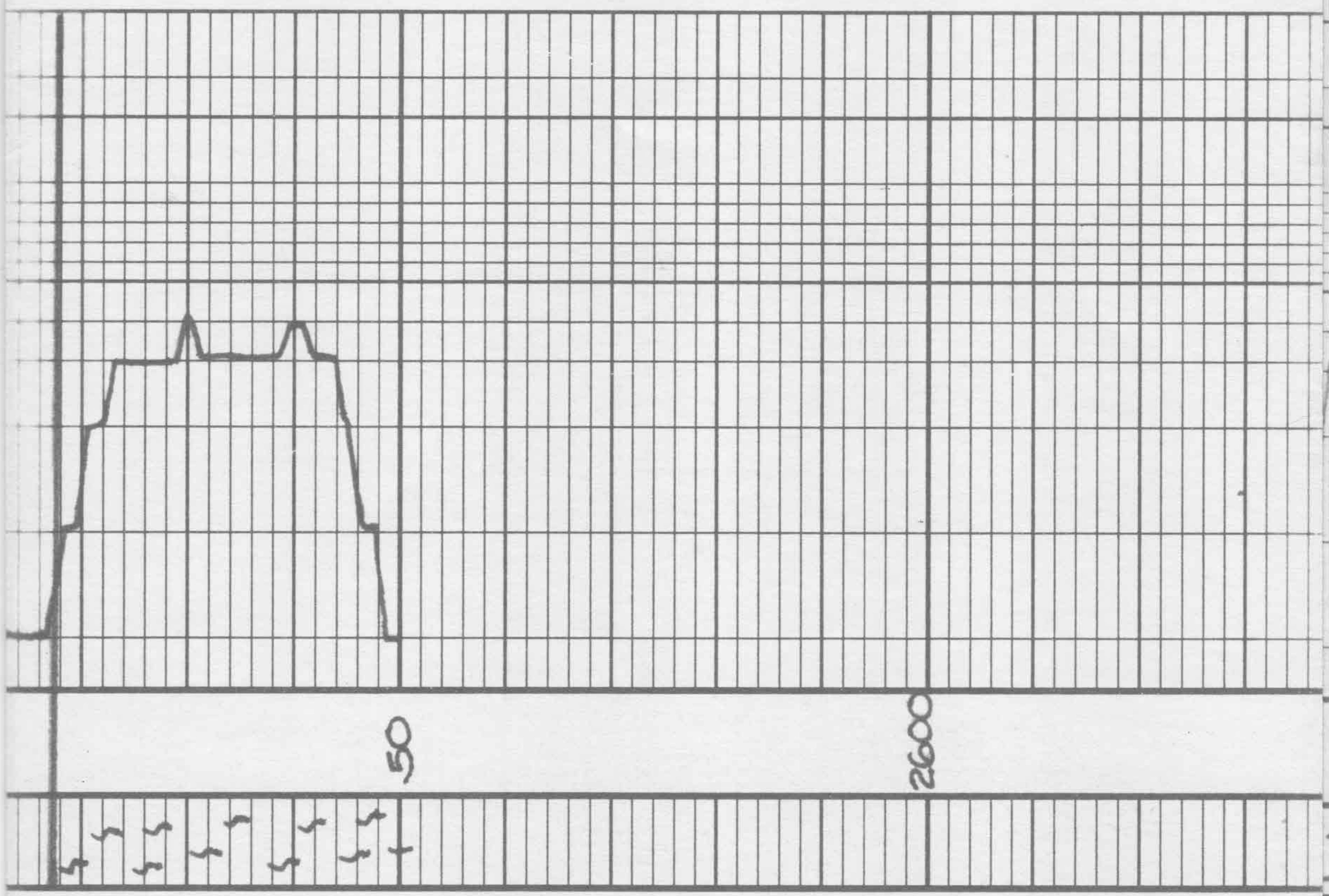
LEGEND

| | | | | | | | | | | | | | | | | | |
|---|-----------|---|------|---|-----------|---|-------|---|---------|--|-----------|---|-----------|---|-------|---|----------|
|  | Anhydrite |  | Salt |  | Sandstone |  | Shale |  | Carb sh |  | Limestone |  | Ool. Lime |  | Chert |  | Dolomite |
|---|-----------|---|------|---|-----------|---|-------|---|---------|--|-----------|---|-----------|---|-------|---|----------|

LOG 7702

| LITHOLOGY | DEPTH | DRILLING TIME (Logarithmic Scale) | SAMPLE DESCRIPTIONS | REMARKS |
|-----------|-------|--------------------------------------|---------------------|---------|
| | 800 | .5 | | |
| | | 1 | | |
| | | 2 | | |
| | | 3 | | |
| | | 4 | | |
| | | 5 | | |
| | | 10 | | |
| | | 15 | | |
| | | 20 | | |
| | | 30 | | |

ANHY 817 (+1065)



2600

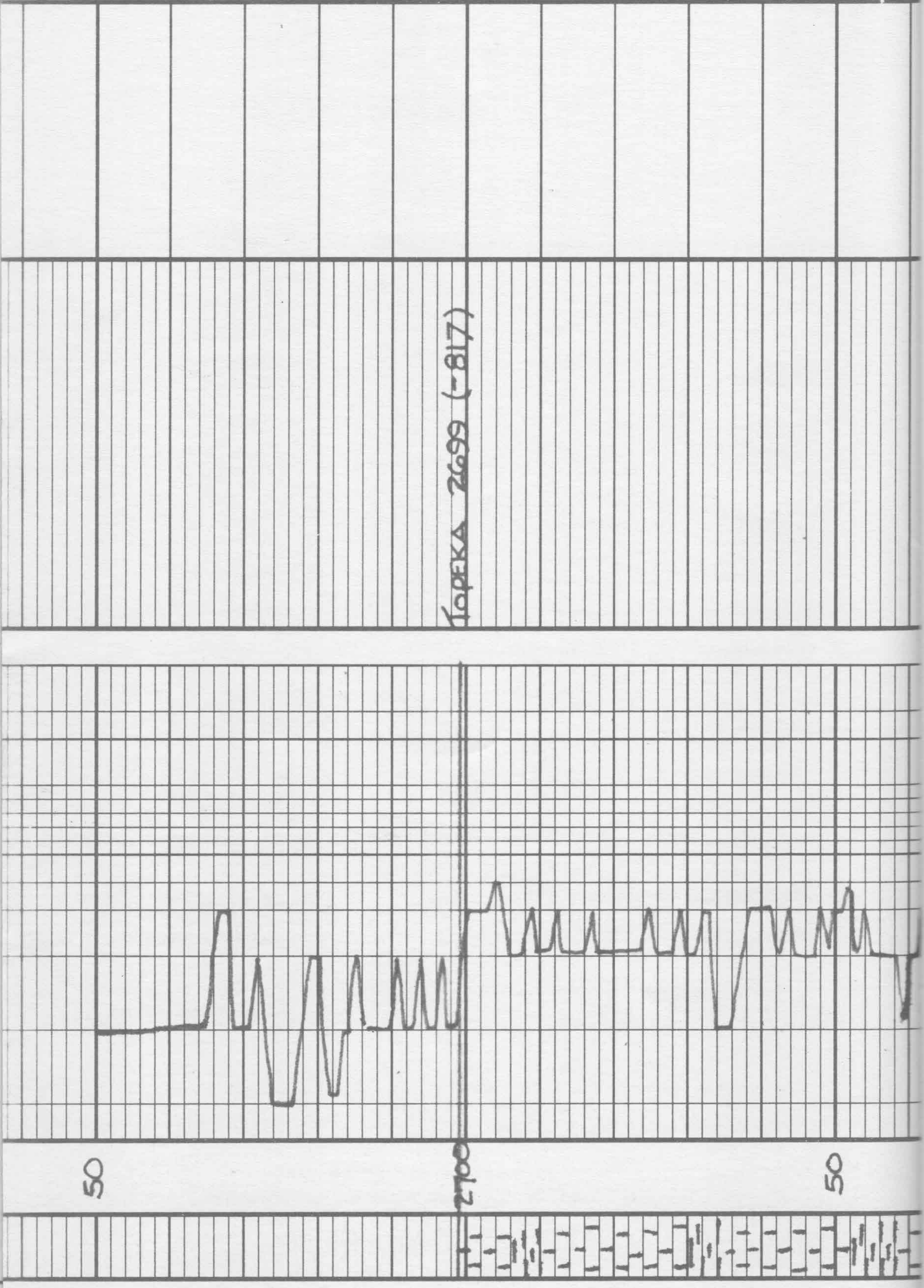
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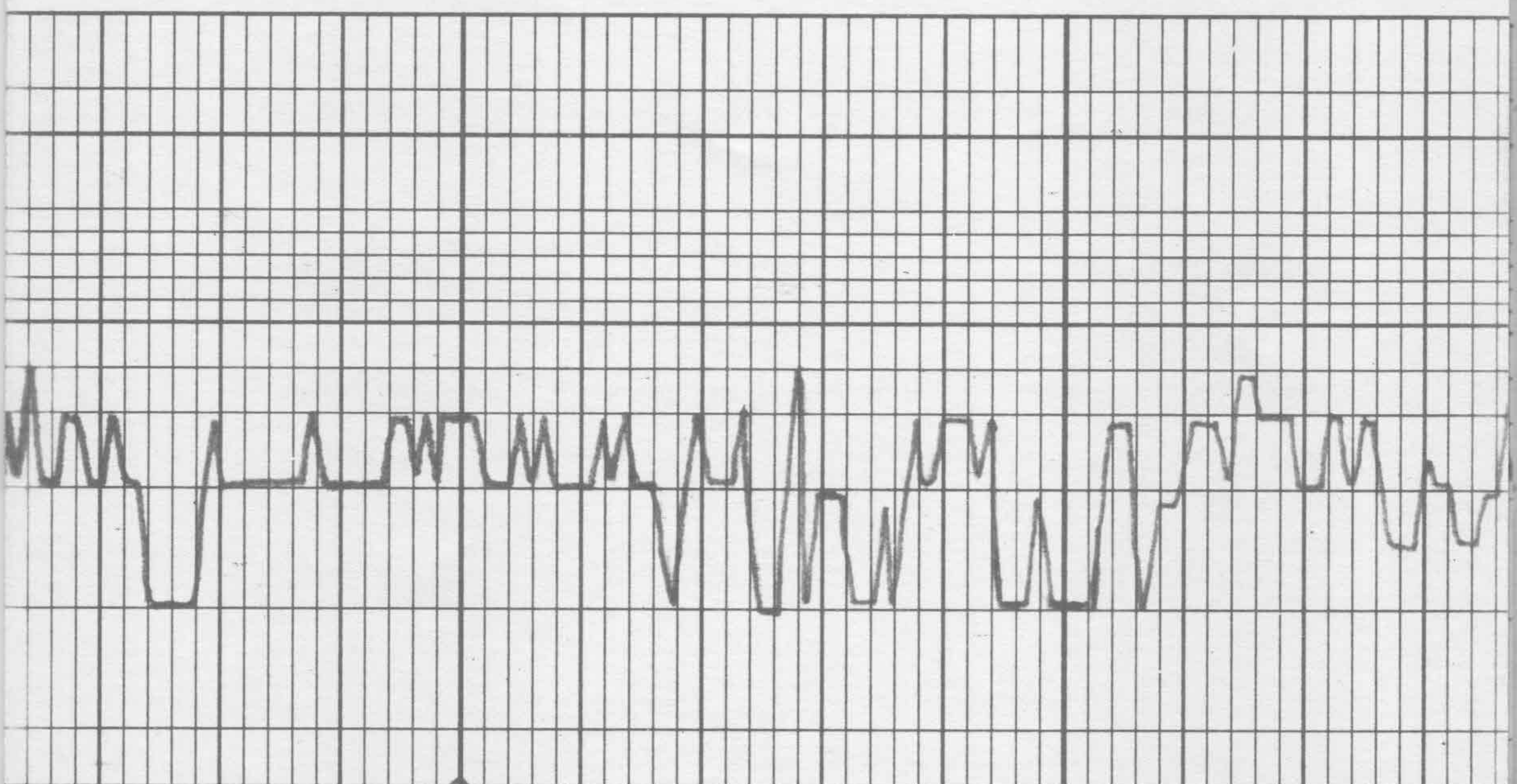
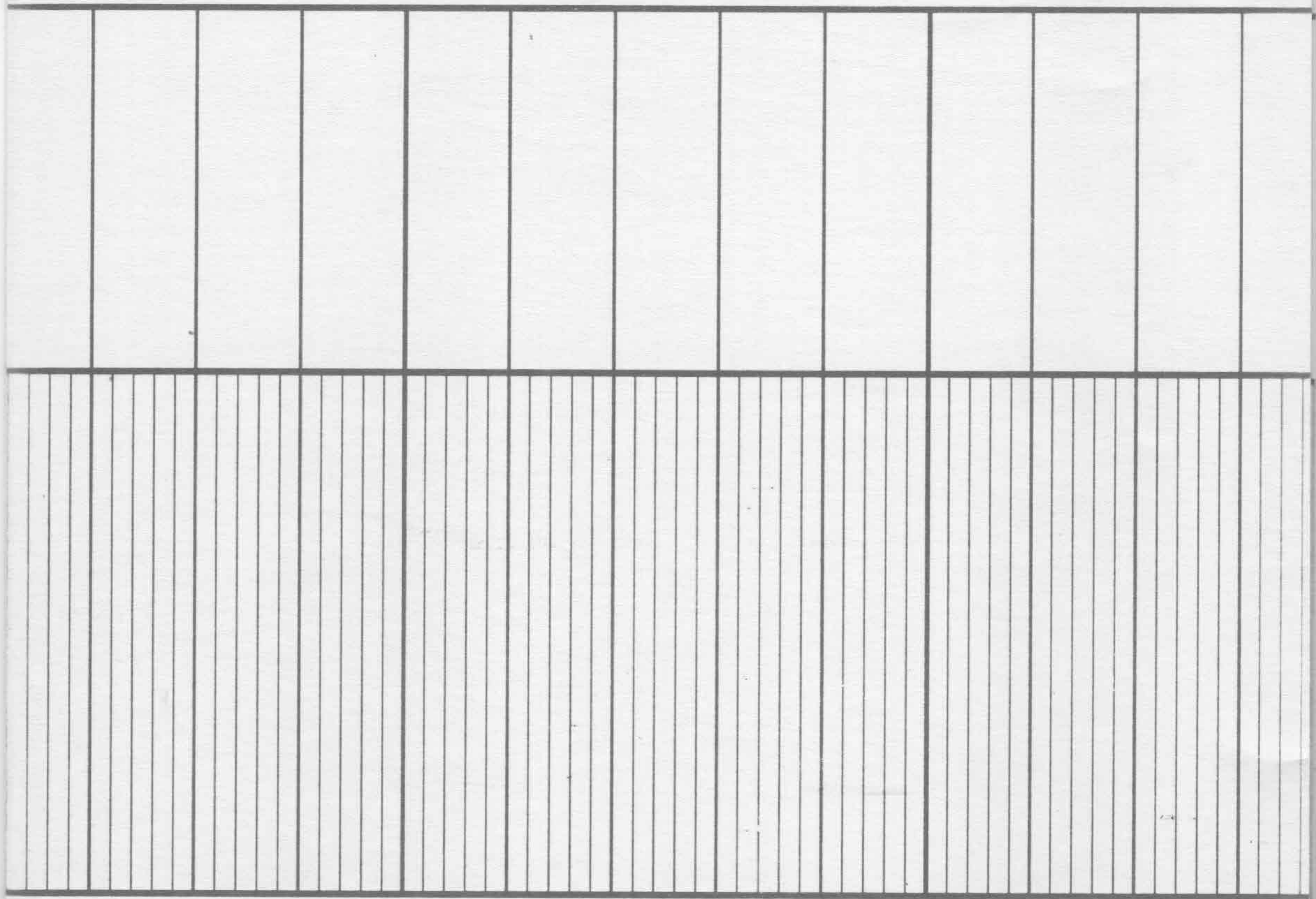
ГОРКА 2699 (-817)

50

2700

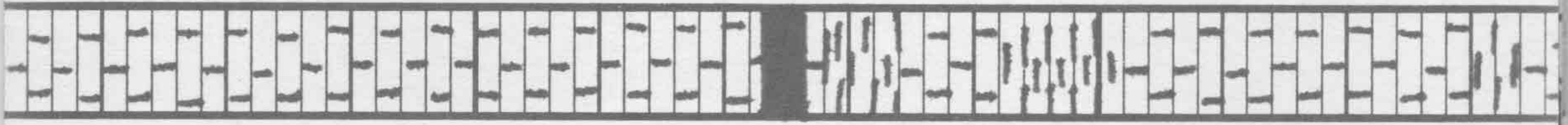
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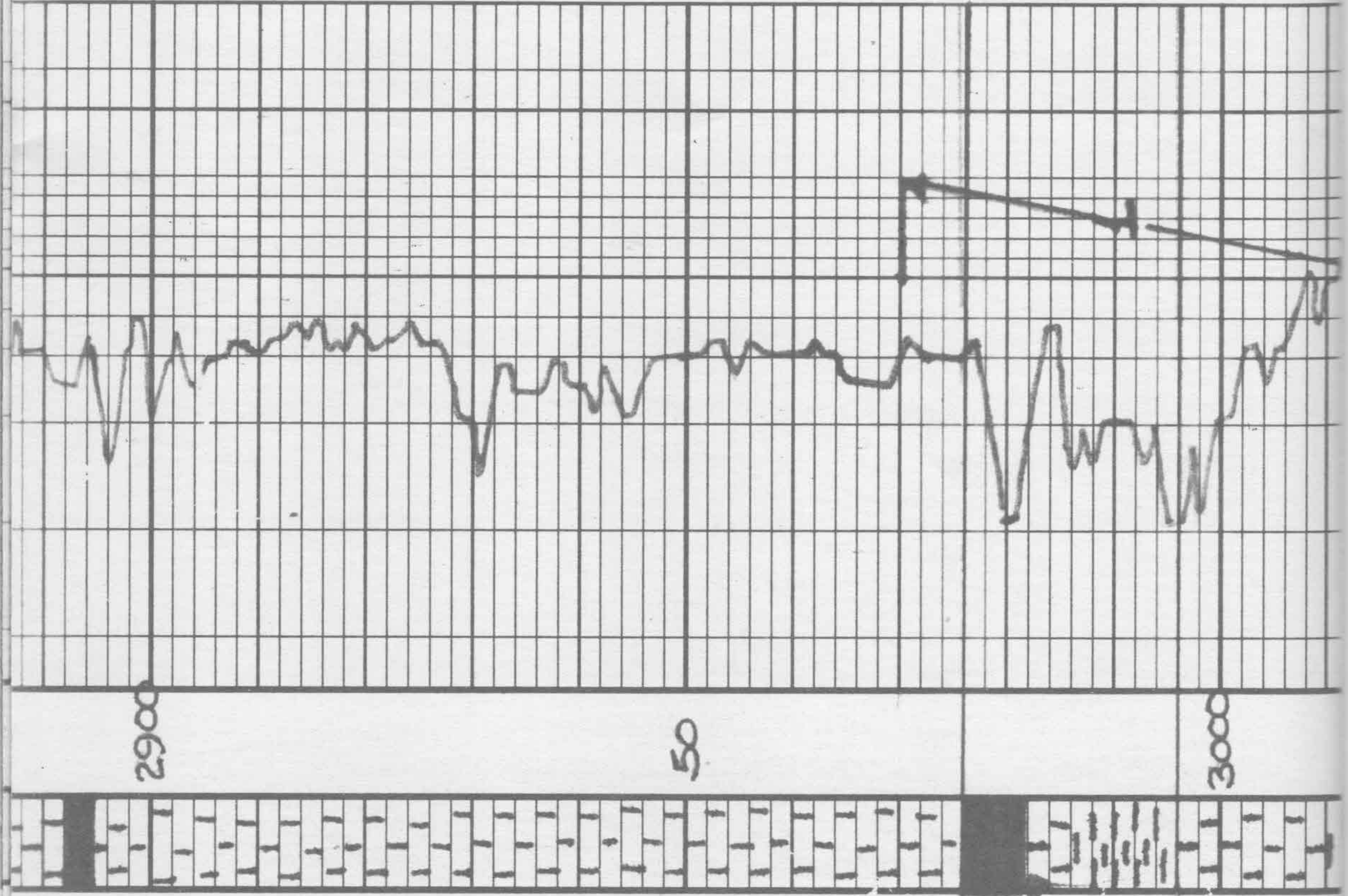




2800

50





ls lt gry - BUFF FNXL
FOSS - sub ool
NB

ls WLT - CLM ool - FOSS
DSE

AA

ls BUFF - lt GRY DSE

HEEBNER 2976 (-1094)

sh blk carb.

sh brick rd - pale grn

TORONTO 2996 (-1114)

DOLOMITE - WHI FN-MO XL
FR 50% 10% XL - 50% YAG
FR 50% 10% 90% 50% - 50%
FR 50% 10% 90% 50% - 50%

TRAP: 1.7' Long

DST-1 2970-3020 (Top)

15 30 30 30
 IF Dred 15"
 FF no blow
 REC. 30' MUD
 DIP (59-46)
 FP (25-27) (28-32)
 HSH (1476-1445)
 BHT. 107°

sh pale grn-gry
 micaceous,

sh AA TR grgy dirty
 NS

sh y ss AA

NS

Brn. lim. 3065 (-1183)
 lb BRN DSE

LANSING 3075 (-1193)

lb GRN-BUFF DSE

lb BT BRN highly oolitic
 oolitic poorly clef. of abundant
 WHI oolitic = NS

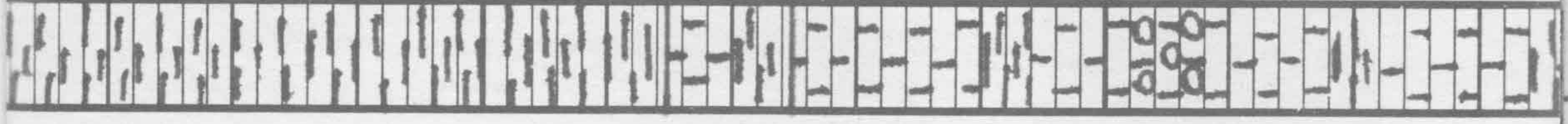
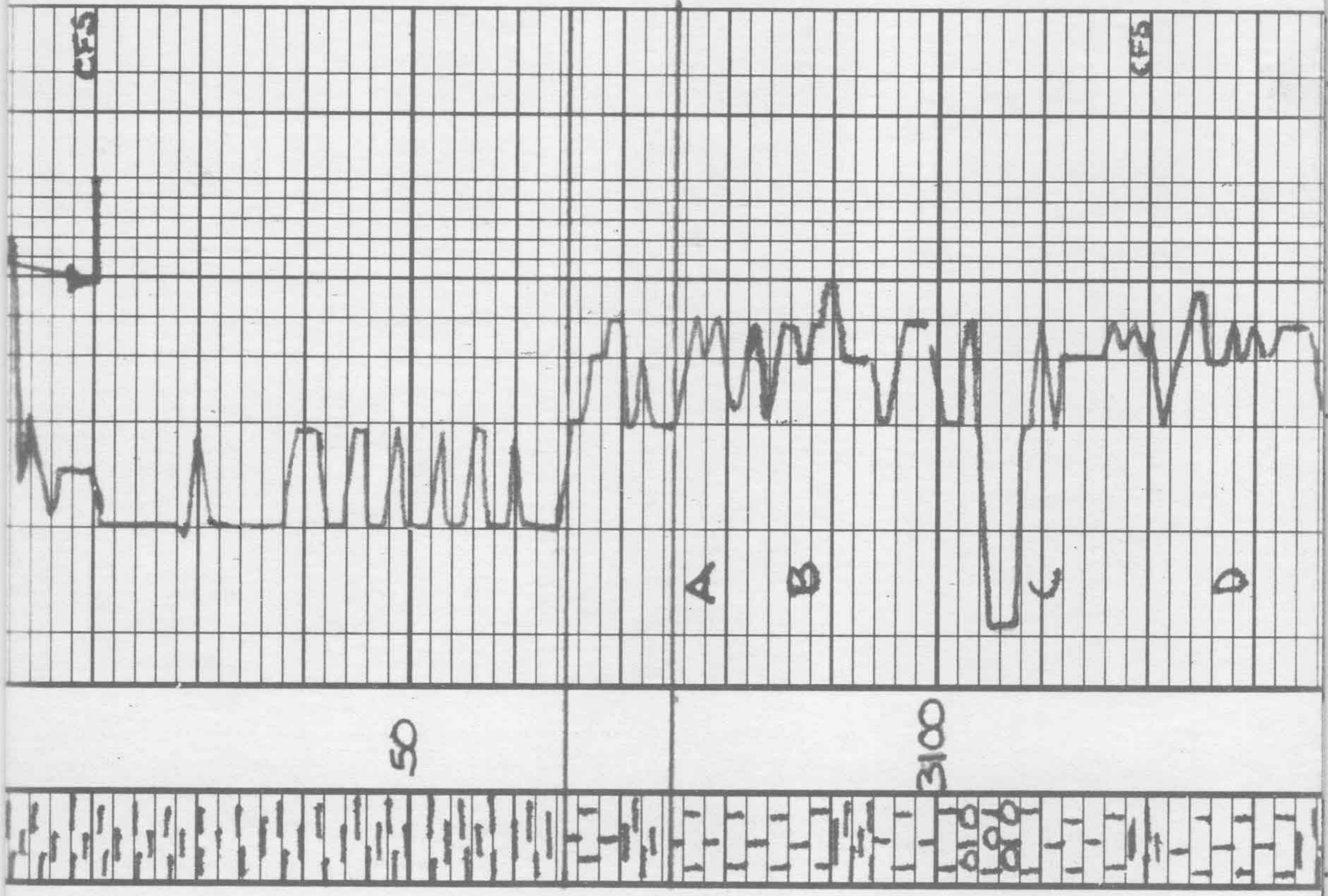
sh grgy

lb GRN-BUFF, LG GRY FINE
 oolitic occ. of (100000)
 NS

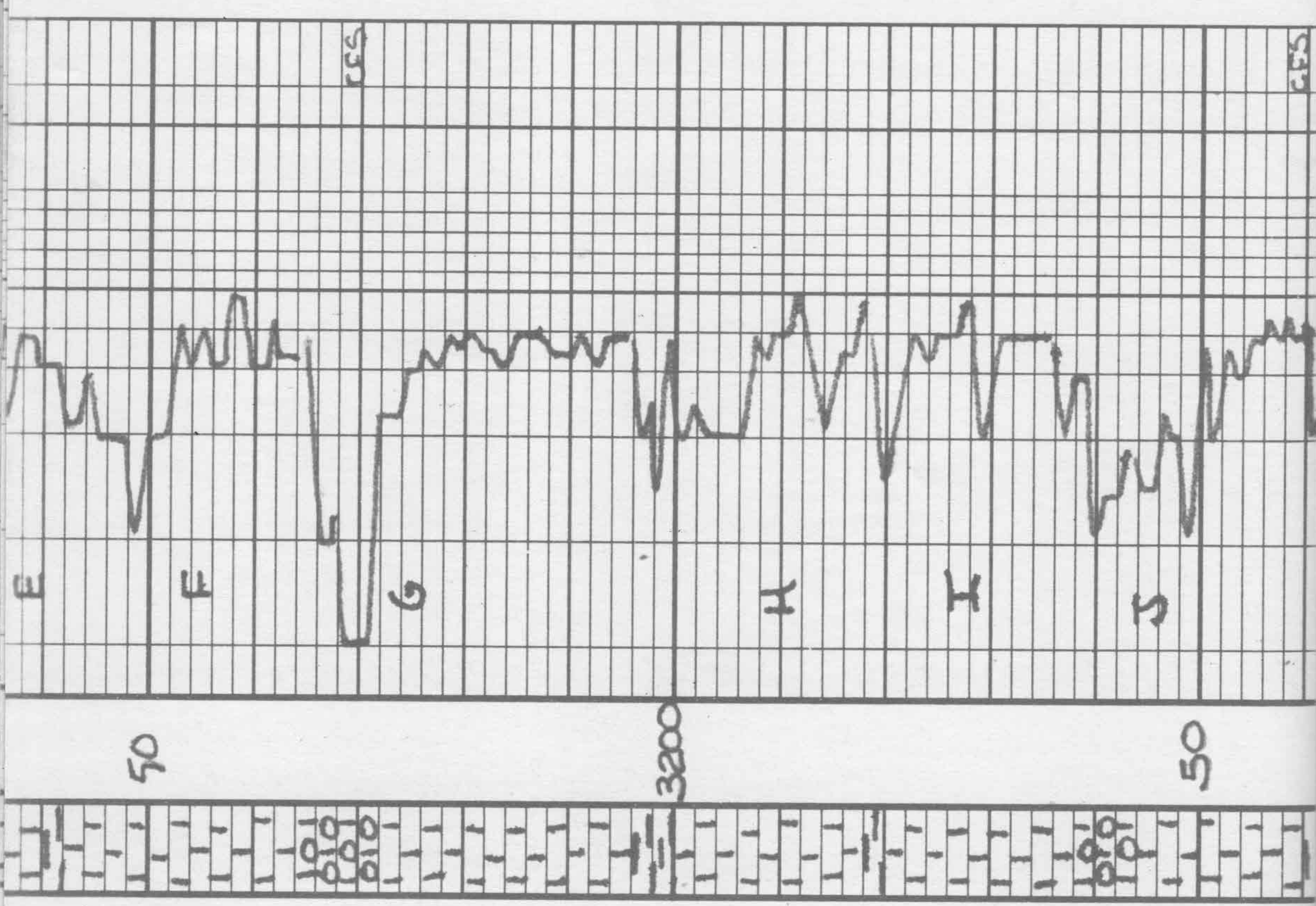
lb GRY DSE

lb MOLT GRY oolitic
 TR dirty

AA w/ inc grgy sh



| |
|--|
| sh gray |
| ls WHIT FNXL - chalky FOSS NS |
| ls BUFF DSE |
| ls BUFF FNXL OOL get ool (barren) to whit chalk |
| ls LT GRAY DSE |
| AA, PYRITIS |
| sh blk carb |
| ls BRN - LT GRAY DSE highly FOSS NS |
| ls A ₂ A ₁ INC GRM FNXL ls |
| ls GRM - BUFF FNXL OOL - FOSS NS |
| ls GRM: WHIT FNXL OOL - ool ool ool in str (1-2 pc) NS or odor |
| ls gray dse |
| sh gray |



50 3200 50

