



52E11SE9108 63.2045 SNOWSHOE BAY (SHOAL)

010

INTRODUCTION

The airborne magnetic survey to be described herein was done at the request of Mr. Ross Kidd, Consulting Engineer for Salem Exploration Limited, Toronto, the claim owner. The survey was done August 18, 1966, by Dominion Exploration Syndicate, Winnipeg, Manitoba. The undersigned conducted the survey. H.M.Linnell, Kenora, Ontario, was pilot.

The survey was conducted, and the accompanying maps prepared, in accordance with The Mining Act of Ontario in order to qualify the work as assessment work.

Illustrations:

1. A disposition map, scale 1" to 2640', showing the property and official claim numbers, is attached (page 8).

The following maps are submitted separately:

2. A coloured ozalid print, scale 1" to 1320', showing flight lines, magnetic contours, topographic features, key map and survey data.
3. An overlay (transparency) showing values in gammas measured at intervals of 330 feet along the flight lines.
4. A second overlay, coloured, showing geological data.

The original tape recorded in the course of the survey is also enclosed.

INSTRUMENT AND SURVEY DATA

The instrument used was a Dominion Exploration Syndicate Vertical Flux-Gate Magnetometer, #582-4. This instrument was secured to the floor of the Cessna 180 airplane immediately behind the pilot's seat. The vertical, gyro-stabilized probe was mounted on a padded, athwartship wooden shelf near the rear of the cabin. It was operated by a hose

connected to the airplane's vacuum system and was connected to the instrument by electrical cable. A continuous strip recorder was carried forward of the co-pilot's seat.

The instrument is so designed that it measures changes in gammas in the vertical component of the earth's field so long as the probe is maintained close to the vertical. The instrument can be balanced to eliminate the effect of the earth's field and all but a small residue of the vertical effect due to the airplane engine, the recorder and other magnetic elements. That residue is index error, or wind/heading error, and is constant for a given heading of the airplane during the short periods of time involved. Changes in wind direction and/or speed cause corresponding changes in index error.

In the case of the present survey, where flight lines were close to true north and south, the index error was positive on northerly courses and negative on southerly ones. The wind varied from 320°/13 mph to 330°/16 mph. Index error varied from 250 to 350 gammas.

Index error was corrected for each flight line on the tape by choosing a zero line such that the general level of the trace is the same as those of the two adjacent lines which were flown in the opposite direction.

The instrument was zeroed by balancing it to read 1000 gammas while on a westerly course over a granite area east of Bag Bay, six miles east of the surveyed area. Here and throughout the survey, flight altitude was 500 feet above lake level.

Flight lines were previously laid out at 660-foot intervals on a map prepared for that purpose. They were flown with a good degree of accuracy by lining on topographic points.

Pre-determined points A, B, C, D, E and F, as they applied, were marked on the flight lines on the map used for flying and are also shown on the accompanying contour map. On a given line, when the operator was directly over, say, point D, he marked "D" on the recorder tape with a felt-point pen. This provided good ground control at the slow speed and low altitude used. The airplane was throttled back to give indicated airspeed of 95 mph. True airspeed was 100 mph, or 147 feet per second. True heading/groundspeed for northerly courses varied from 355°/90 mph to 355°/86 mph and for southerly courses from 185°/110 mph to 185°/114 mph.

A scale division on the tape reads 100 gammas. Readings were to 25 gammas by interpolation. The readings obtained on the survey ranged from 700 to 1800 gammas. Recorder feed was set at such a rate that longitudinal scale on the tape is 800 to 900 feet per inch.

The area mapped is an isolated one, surveyed for the purpose of exploring the claims in question. Net line miles, on the subject claims only, totalled 81.8. That total includes 56.1 miles on the north group of claims and 25.7 miles on the south group (see section immediately below).

PROPERTY, LOCATION

The property consists of 140 entry mining claims divided into two groups, a north group of 93 claims and a south group of 47 claims. Their disposition is shown on the attached map (page 8). Official

locations are shown on Ontario Department of Mines Plan No. M.2704.

Official claim numbers are as follows:

South Group:

K 36404 - 36439	36 claims
K 36450 - 36455	6 "
K 36808 - 36812	5 "

47 claims

North Group:

K 36341 - 36371	31 claims
K 36440 - 36449	10 "
K 36458 - 36493	36 "
K 36800 - 36807	8 "
K 37656 - 37663	8 "

93 claims

As the maps show, the claims are disposed in an irregular rather than a compact manner. The two groups are about one and one-half miles apart. For these reasons, the actual instrument miles flown was 126 miles rather than the 81.8 miles reported above (page 3).

Results obtained in surveying the larger area are reported.

The claims are located at Shoal Lake, 30 miles southwest of Kenora, Ontario, and close to the Manitoba boundary. Summer access is by airplane or boat from Kenora. The nearest railhead is Waugh, Manitoba, five miles by water to the west.

SOURCES OF INFORMATION

1. Greer, L.: "Shoal Lake Area", District of Kenora, Ont. Dep't. of Mines Map 39e (geological), 1930.
2. Thompson, Jas. E.: "Gold Deposits on Shoal Lake (West)", Ont. Dep't. of Mines Ann. Rep't., 1936, Pt. III, pp. 44-53.

SURVEY RESULTS AND INTERPRETATION

Areas with readings over 1500 gammas, that is 500 gammas above background, are considered to be significant anomalies. They are coloured red on the contour map.

Seventeen such anomalies were found by the survey, seven of them on or partly on the subject claims. Since these anomalies are all in the southern part of the surveyed area, it is convenient to subdivide this section of the report in order to deal with the south and north groups of claims separately.

South Group

The seventeen anomalies constitute the highs within a generally anomalous zone trending northeast. If the zone's limits are taken to be the 1200-gamma contours, then it is $1\frac{1}{2}$ miles wide and has been traced by the present survey for a length of three miles. The former gold-producing Duport Mine (see contour map) lies on the strike of this zone an additional three miles to the northeast. It is known that a magnetic anomaly extends from the vicinity of the mine for about one-half mile westward. The latter anomaly is not a result of the present survey although an expression of it is seen at the south end of line 26.

The corresponding geology is shown in Map 39e (reference 1, page 4) and in the accompanying overlay showing geological data. The northwest boundary (1200-gamma contour) of the broad anomalous zone corresponds approximately with the northwest contact of a northeast-striking belt of basic volcanic rocks. The latter belt seems to be some $3\frac{1}{2}$ miles wide, so that the anomalous zone, as now known, occupies only the northwesterly $1\frac{1}{2}$ miles of the width of the belt. The belt of

basic rock and the anomalous zone are almost entirely under Shoal Lake except for two large islands, Dominique and Stevens Islands, to the northeast of the south group of claims. Stevens Island lies just south of the small Cameron Island, site of the Duport Mine.

Thompson (reference 2, his page 44) has mapped the vicinity of the three islands named above in considerable detail on a scale close to 1000 feet to one inch. The basic lava, undifferentiated in Map 39e, is shown to include four groups of intrusive rocks: basic intrusives (diorite, gabbro and amphibolite), granodiorite, granite and relatively small dykes of felsite and quartz porphyry. It is a reasonable assumption that bodies of these intrusive rocks also occur along the belt, under the lake, to the southwest. The interpretation follows that the anomalies over 1500 gammas may reflect bodies of basic intrusive within the generally anomalous zone caused by the basic lava itself.

The gold orebodies of the Duport Mine were, according to Thompson, associated with heavy arsenopyrite mineralization in the vicinity of dykes of felsite and associated rocks. A body or bodies of diorite and amphibolite form part of the country rock near the mine and may bear a relationship to the anomaly that has been mentioned. No direct relationship between the magnetic anomaly and the ore can be postulated. Nevertheless, it may well be that the variety of basic lavas and intrusive rocks underlying and presumably causing the anomalous zone was structurally favourable for localization of mineralization. In that case, the anomalous zone generally can be considered a favourable zone for further exploration and gold the most likely metal to be found.

Judging from Thompson's description, heavy arsenopyrite mineralization, similar to that carrying the best gold values, would constitute detectable electromagnetic conductors. These would not necessarily correlate with the strongest magnetic anomalies. Depth of water would be a factor in detecting such conductors.

North Group

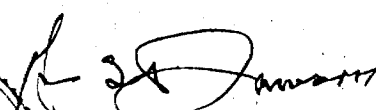
Magnetic readings obtained over the north group of claims are "flat" - slightly below or above background. The magnetic contours are widely spaced and their configuration probably has no significance as a guide to further exploration. The ground may be favourable for the occurrence of certain ores but, if so, these must be ores that give no direct or indirect magnetic expression.

RECOMMENDATIONS

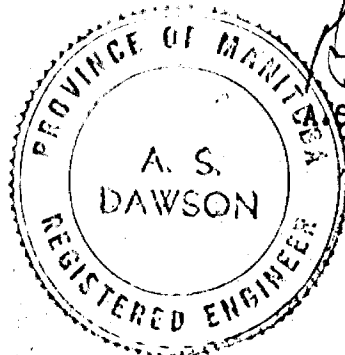
An electromagnetic survey in winter is recommended for the south group of claims, particularly the southern part of that group. The claims of most particular interest form a "U" extending east from the mainland and are 22 in number.

No specific recommendation based on the results reported herein can be made for the north group of claims.

Respectfully submitted,


A.S. Dawson, P.Eng.

405 Waverley St.,
Winnipeg 9, Man.,
September 9, 1966



12N

11AM



No. 4305-D

275

10AM

9AM

500

1000

1175
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 1250
 1250

No. 4305-D

No. 4305-D

35

1075

1100

1050

1125

1075

1100

(1175)

1125

1025

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1050

1075

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1075

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1025

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1075

1100

1100

1125

1075

1100

1050

1000

1025

4PM

3PM

7-12

No. 4305-D

No. 4305-D

No. 4305-D

1125
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 1100
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 1125
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 1425
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 (1575)
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 1350

B

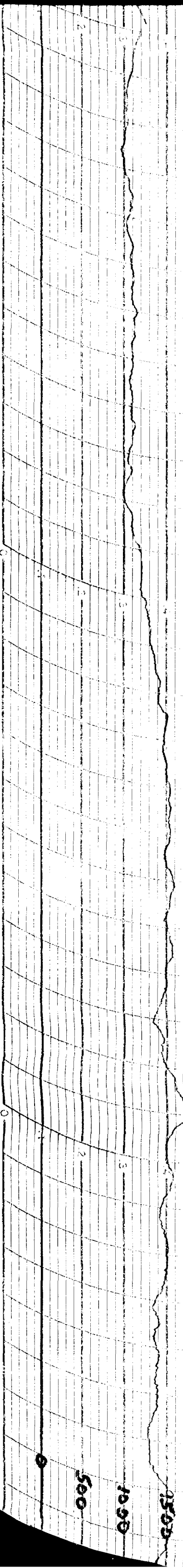
A

94

2/12

2 PM

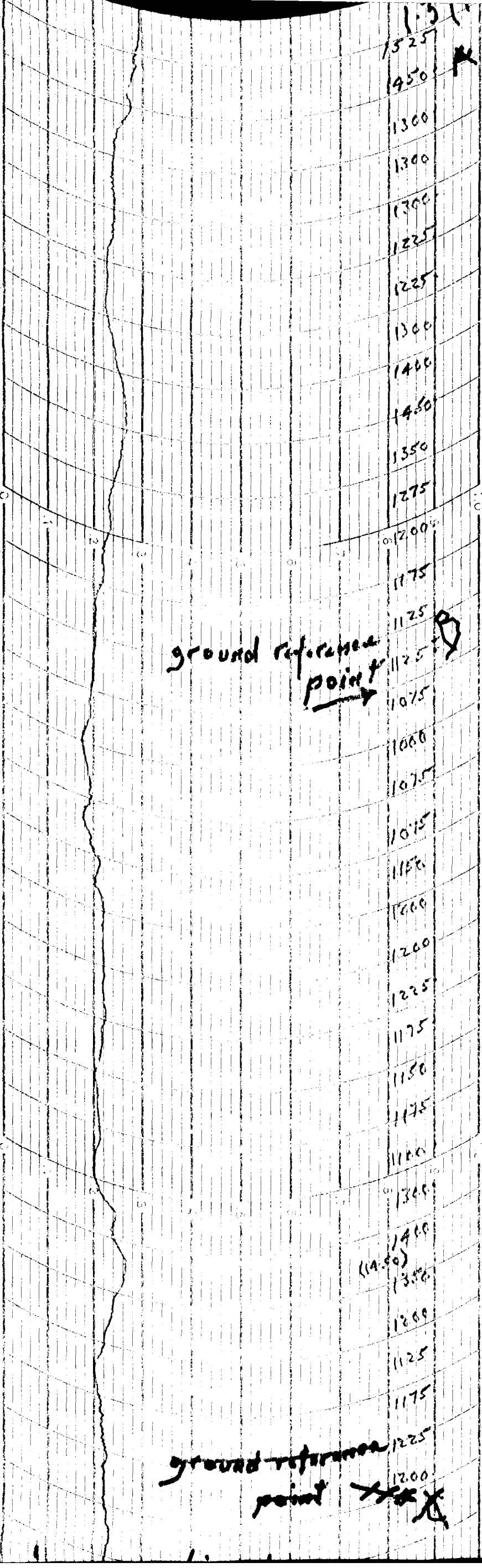
1 PM



A-B 69

4AM

3AM



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1200

1175

1125

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1075

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1075

1150

1000

1200

1225

1175

1150

1175

1100

1300

1400

(14.50)

1350

1200

1125

1175

1225

1020

No. 4305-D

No. 4305-D

No. 4305-D

ground reference point

ground reference point

(14.50)
1350
1300
1225
1175
1225
1200

No. 4305-D

ground reference point ~~XXXX~~

line 1 southbound → S

gamma

-500
-1000

Claims of Saline Exp. 1971
Shoal L., Ont.

Aug. 18/66

Crossh 180

Alt. 500'

TAS 100 mph

Probe on gyro

29 N-S lines

660' apart

Flux-Gate Magnetometer

Operator A.S. Dawson P. Egg.

2AM

1AM

No. 4805-D

No. 4805-D

1075

1125

1075

1100

1125

1125

1150

1050

1150

1075

1050

950

900

875

1000

1200

1250

1300

1200

1100

1175

1100

1100

1075

1100

1125

1200

(1300)

1100

1250

1200

8AM

7AM

21

SAM

GAM

line 2, Northbound to 2H

500
1000

No. 4805-D

No. 4805-D

1125
1150
1075
1100
1125
1125
1100
1225
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1350
1350
1375
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1450
1525
1475
1425
1375
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1275
1350
1400
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1350
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1225
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1100
1125
1125
1100
1075
1150
1125
1125

No. 4305-D

No. 4305-D

1330
 1400
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 1475
 1400
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 1250
 1200
 1275
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 1400
 1425
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 1300
 1350
 1400
 1350
 1375
 1200
 1150
 1175
 1200
 1175
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 1125
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 1175
 1175
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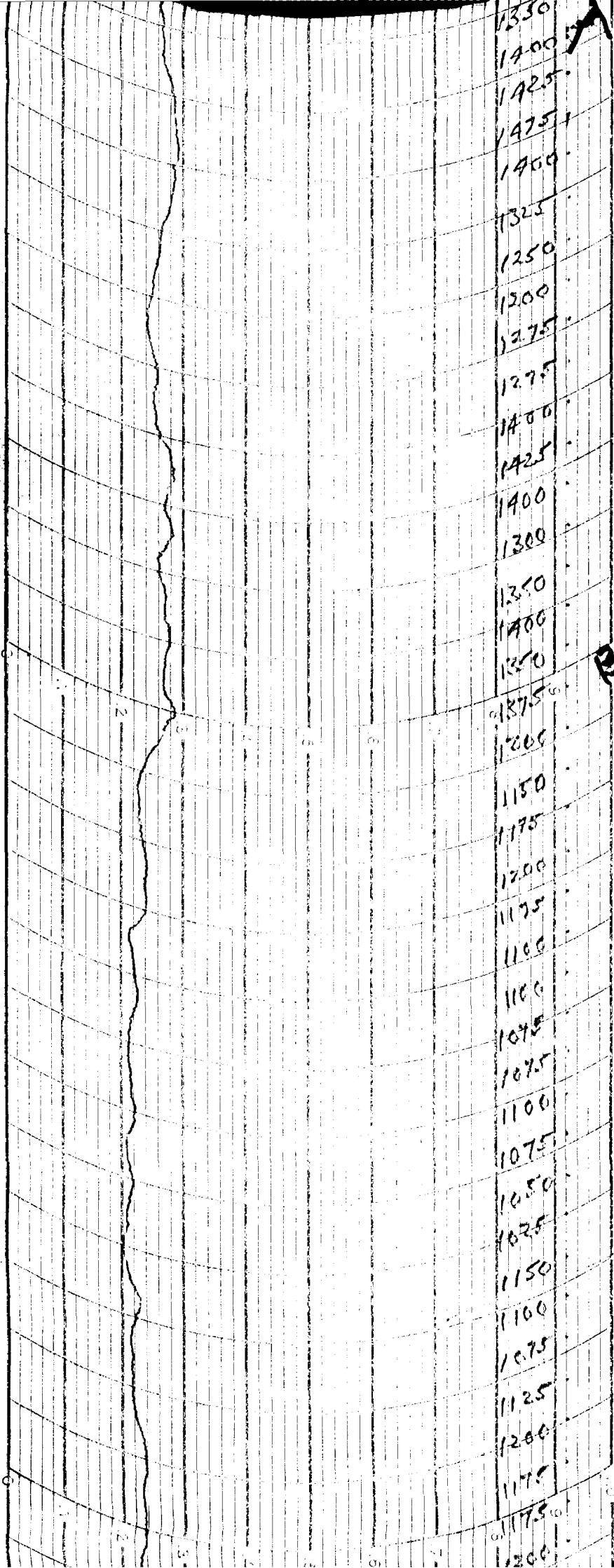
A

B

7PM

6PM

276

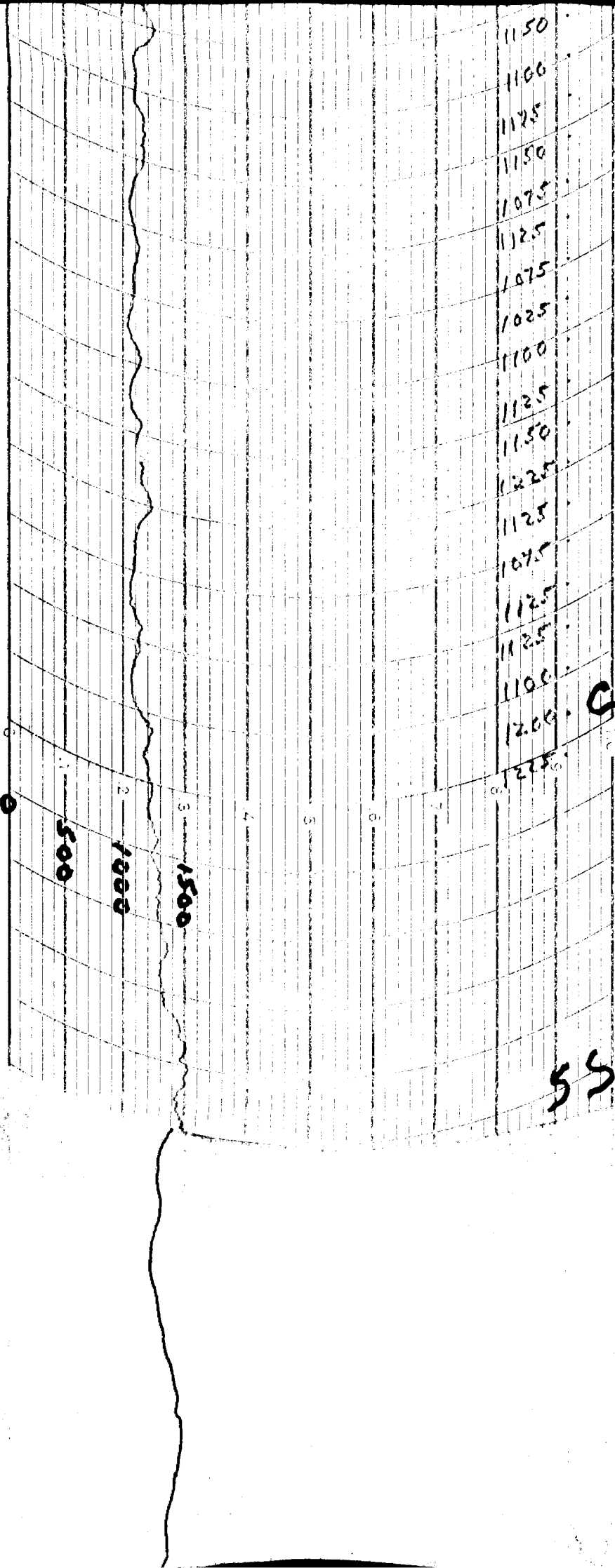


No. 4305-D

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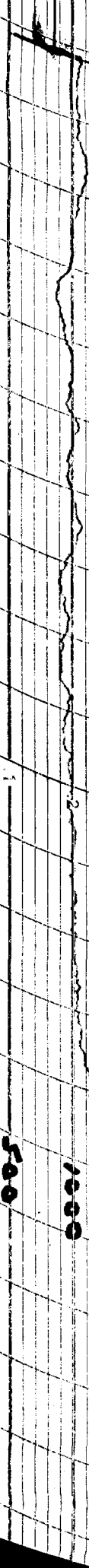
C

SS



6PM

Vert. Flux-Gate Magnetometer
Finish
3:49PM



1050
1040
1030
1025
900
925
1000
975
1050

No. 4305-D

E

Claims of Salem Expl.

Shon L. Out

Aug. 18/66

Cassia 180

Alt. 500'

TAS 100 mph

Probe on gyro

29 N-S lines

660' apart

A.S.D.

950
920
900
950
975
1000
1000
1000
1020
1025
1075
1125
1170
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1250
1300
1350

102

5PM

gamma

500

1000

730

Line 29, southbound
→ 29S

F

No. 4305-D

No. 4305-D

950
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D

28 H

1PM

12N



1000
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11 PM

C-D 124

10 PM

9 PM

D-E 22

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975

950

800

850

975

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1050

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1025

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1125

1100

1075

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1150

1200

1200

1250

1200

1075

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925

975

1000

1025

D

D

No. 4805-D

No. 4805-D

9PM

D-E 220

8PM

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No. 4305-D

No. 4305-D

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95

No. 4305-D

No. 4305-D

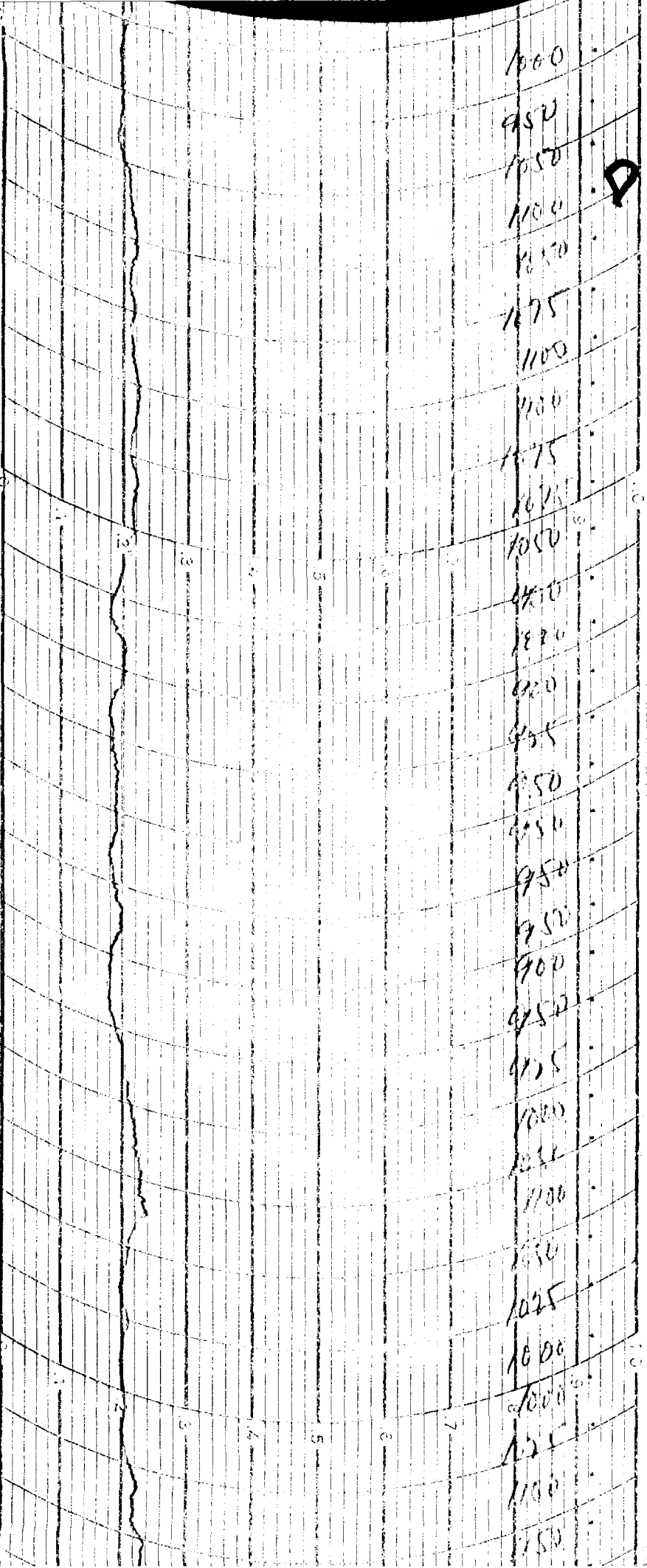
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11 AM

10 AM

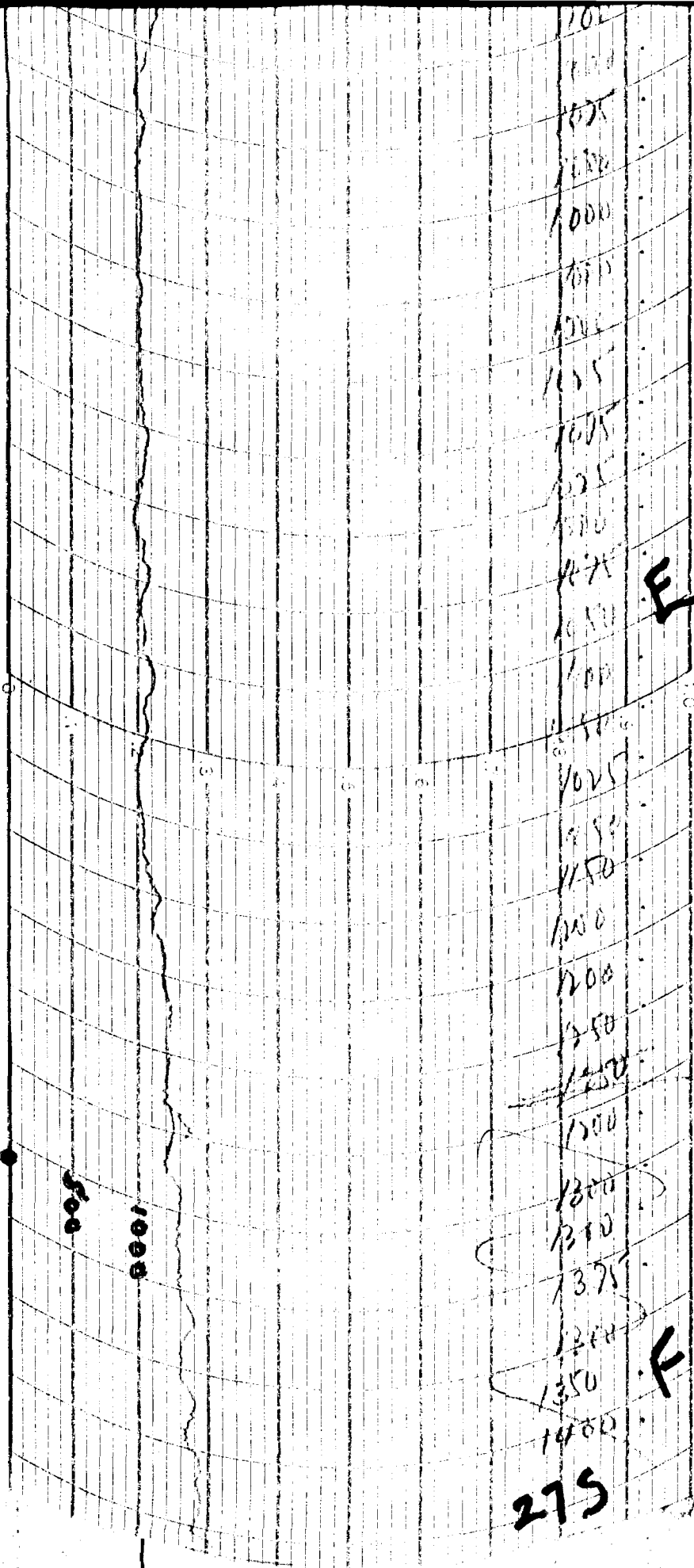
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No. 4305-D

No. 4305-D

9 AM



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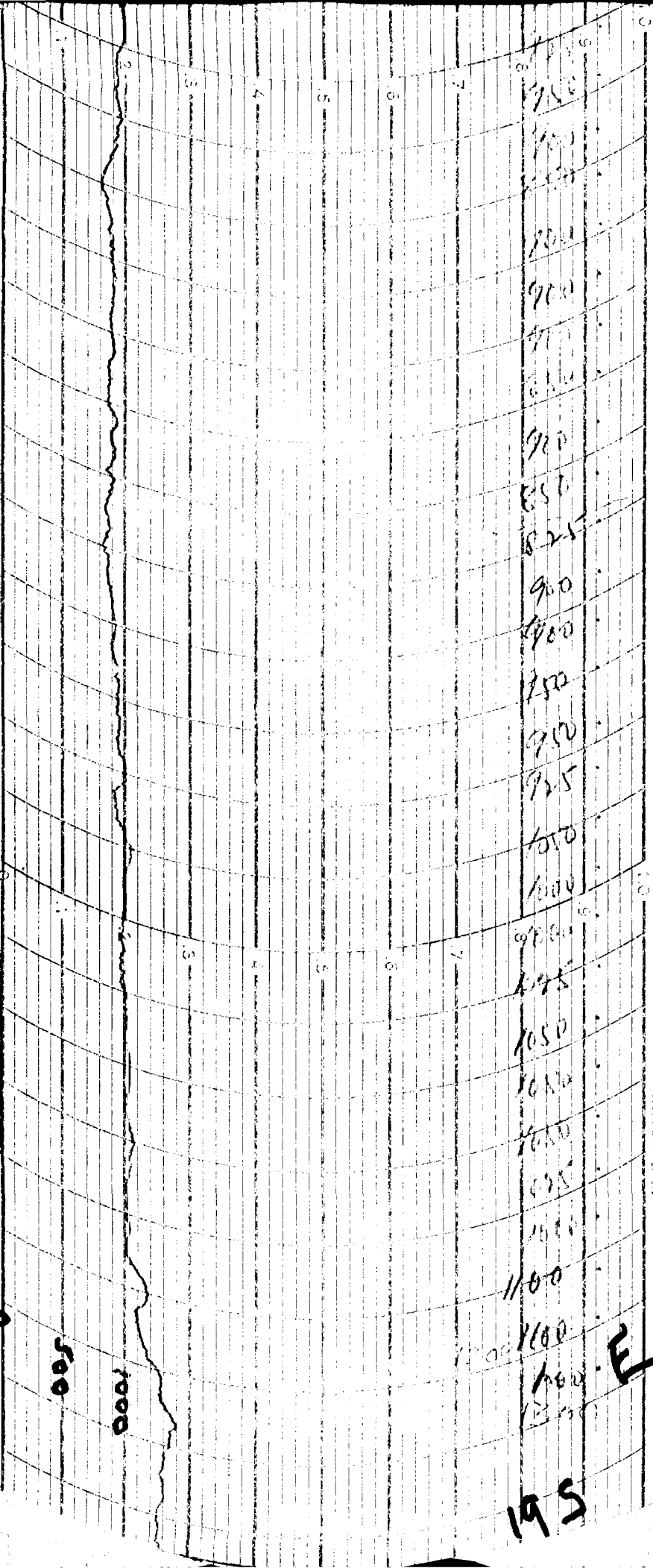
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12 MIN

266

0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 1000

11 PM



No. 4305-D

No. 4305-D

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No. 4305-D

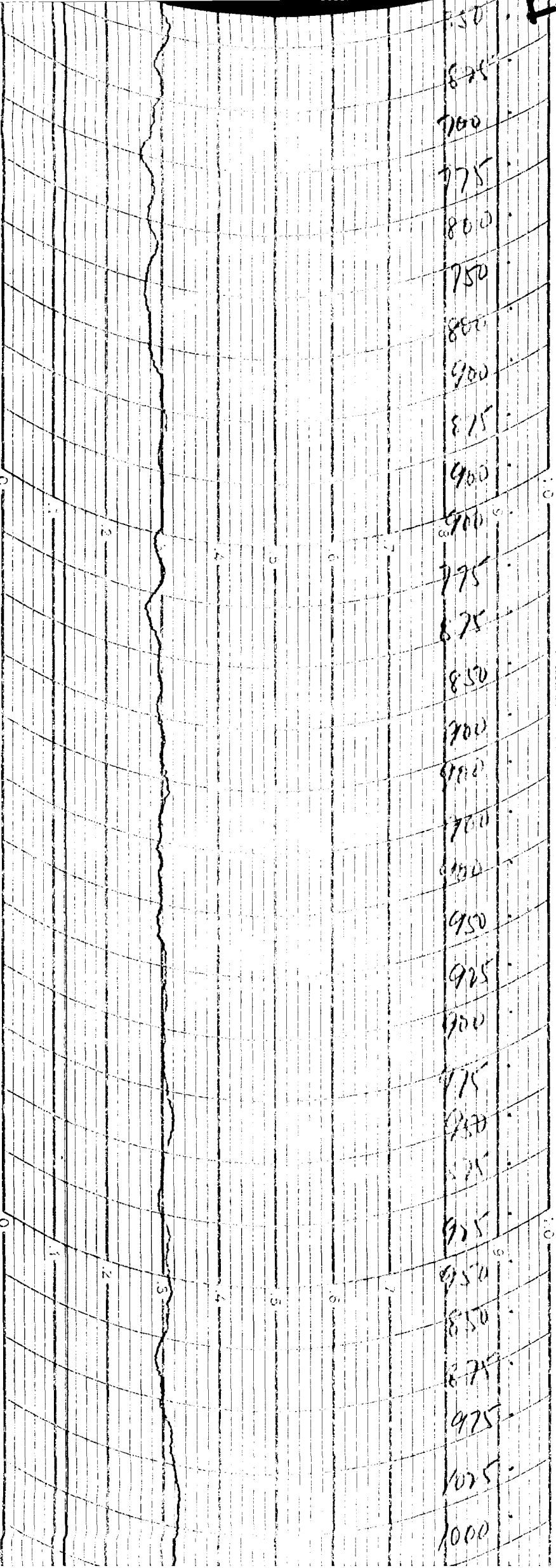
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 625
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 575
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 525
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 475
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 425
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 1000

5AM

4AM

D-E 230



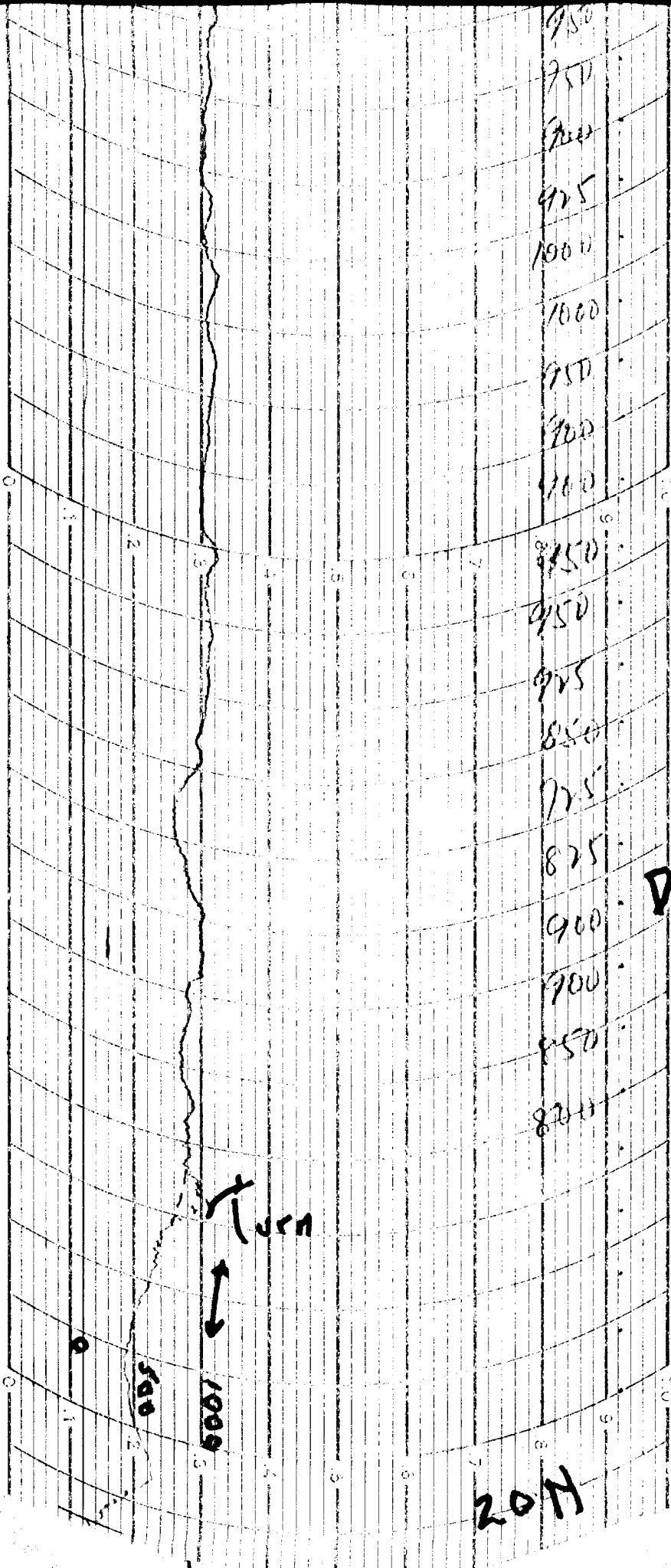
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No. 4305-D

950
 950
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 900
 900
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 950
 975
 850
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 825
 900
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 850
 800

3AM

2AM



270

7AM

500

1000

975
 980
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 995
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 1010
 1015
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No. 4305-D

No. 4305-D

E

F

219

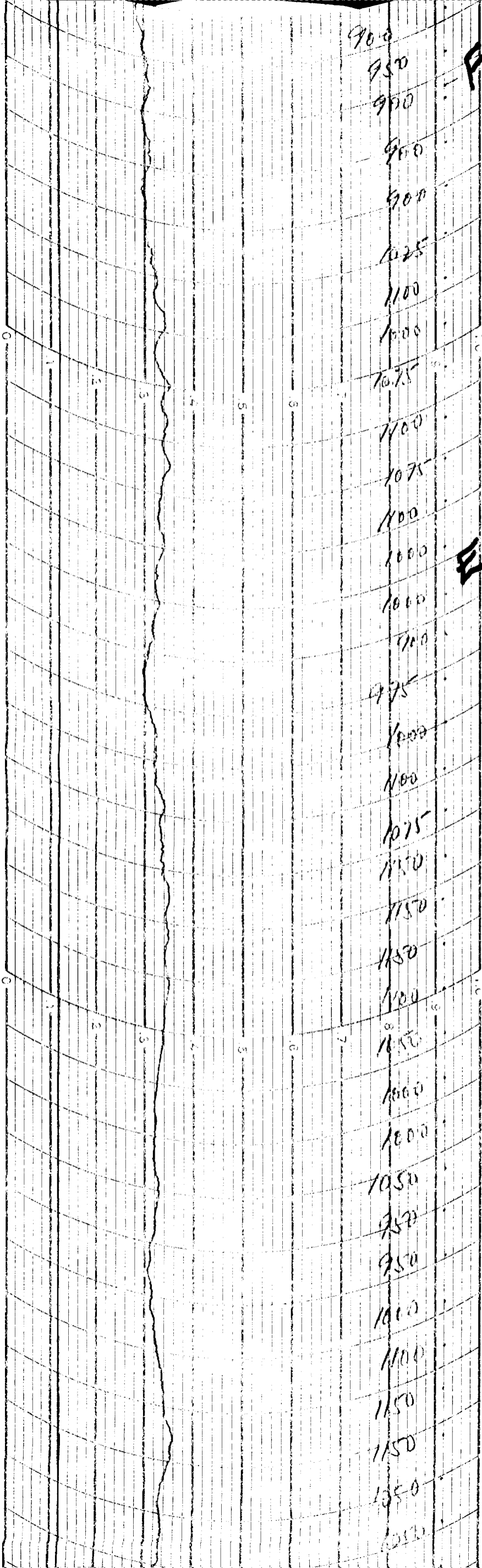
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 1050

F

E

2PM

1PM

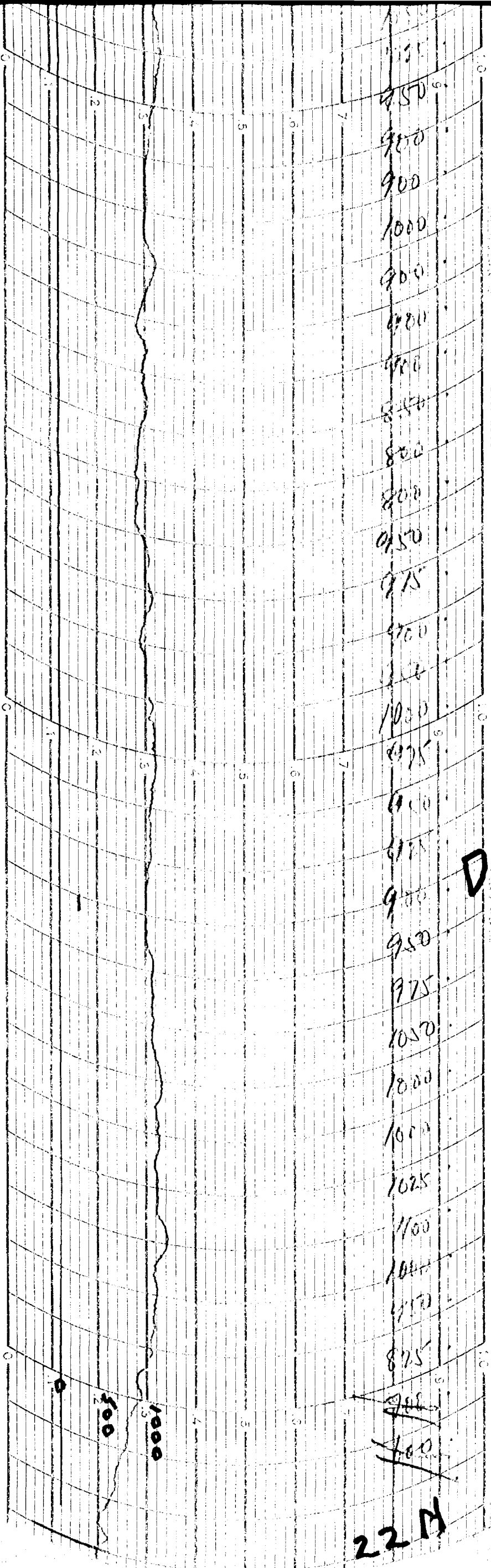


12N

267

11AM

10AM



No. 4305-D

No. 4305-D

22A

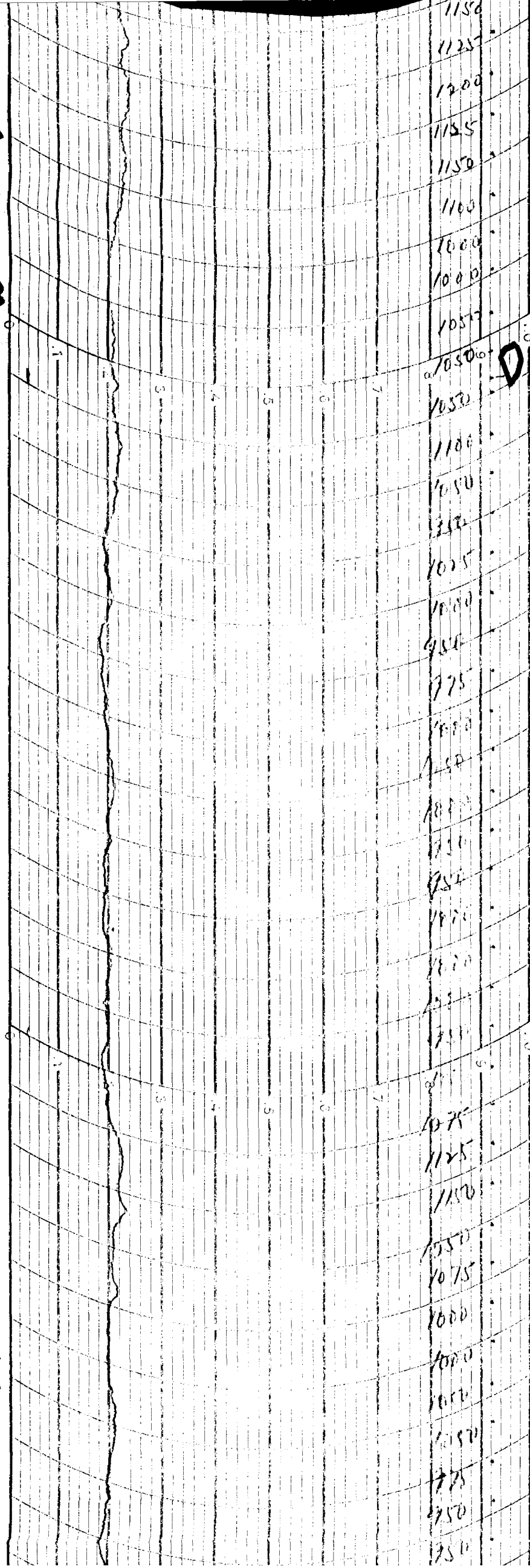
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 1050
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 1050

D

6PM

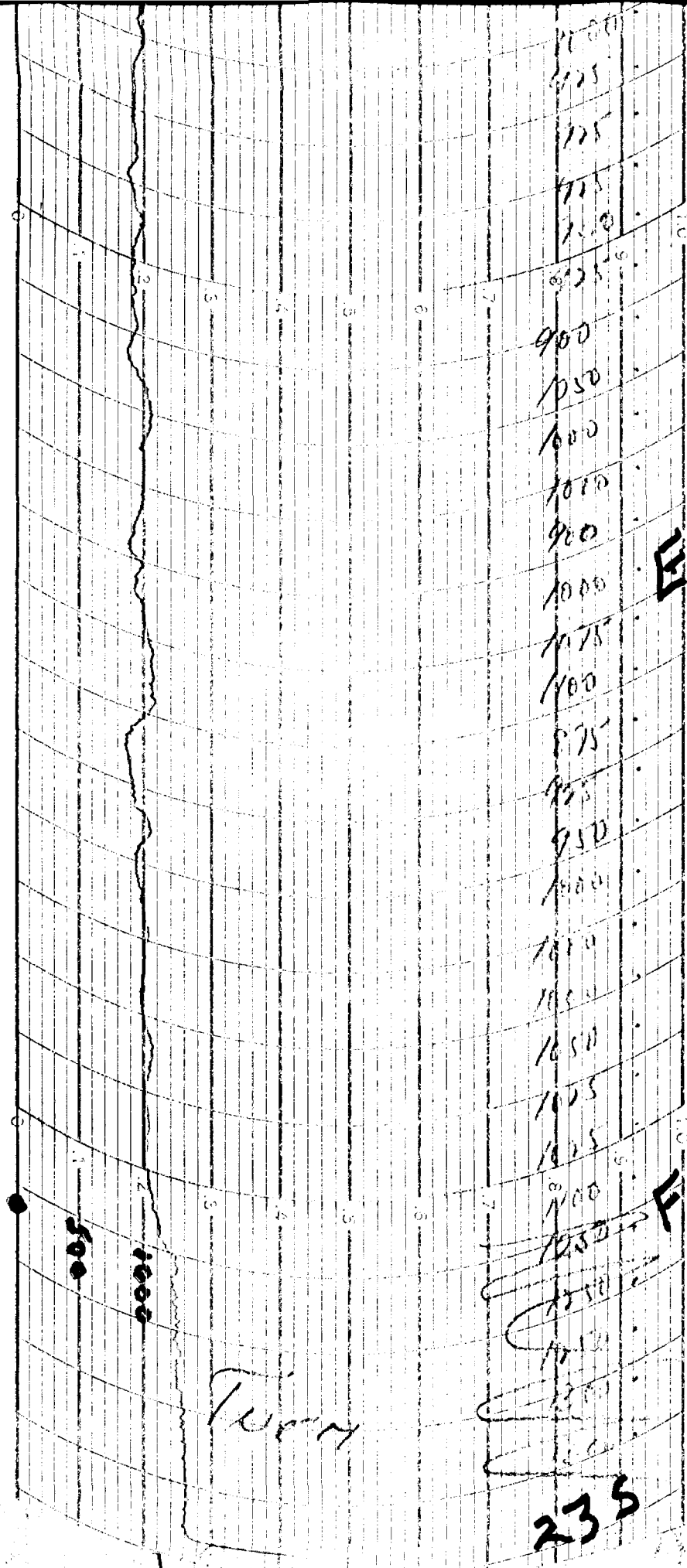
5PM

272



4PM

3PM



1100
 1075
 1050
 1025
 1000
 975
 950
 925
 900
 875
 850
 825
 800
 775
 750
 725
 700
 675
 650
 625
 600
 575
 550
 525
 500
 475
 450
 425
 400
 375
 350
 325
 300
 275
 250
 225
 200
 175
 150
 125
 100
 75
 50
 25
 0

E

No. 4305-D

Turn

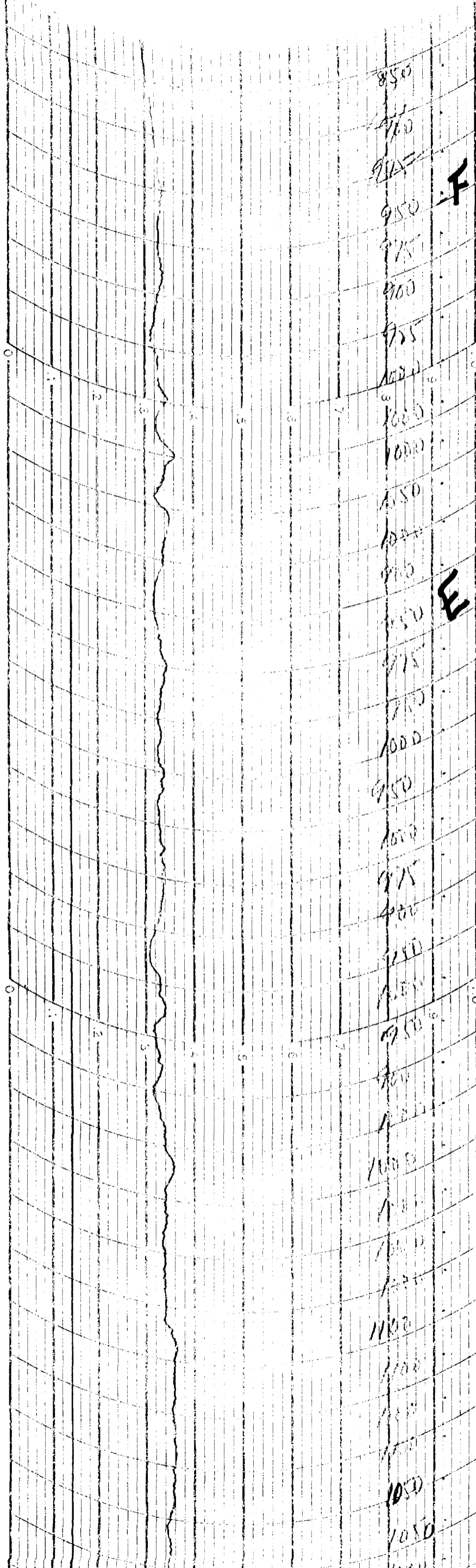
1100
 1075
 1050
 1025
 1000
 975
 950
 925
 900
 875
 850
 825
 800
 775
 750
 725
 700
 675
 650
 625
 600
 575
 550
 525
 500
 475
 450
 425
 400
 375
 350
 325
 300
 275
 250
 225
 200
 175
 150
 125
 100
 75
 50
 25
 0

235

850
900
950
950
975
900
975
1000
1000
1050
1050
1075
1075
1000
950
1050
975
900
975
1000
1050
1050
1075
1075
1000
1050
1050
1075
1075
1000
1050
1050

F

E



11PM

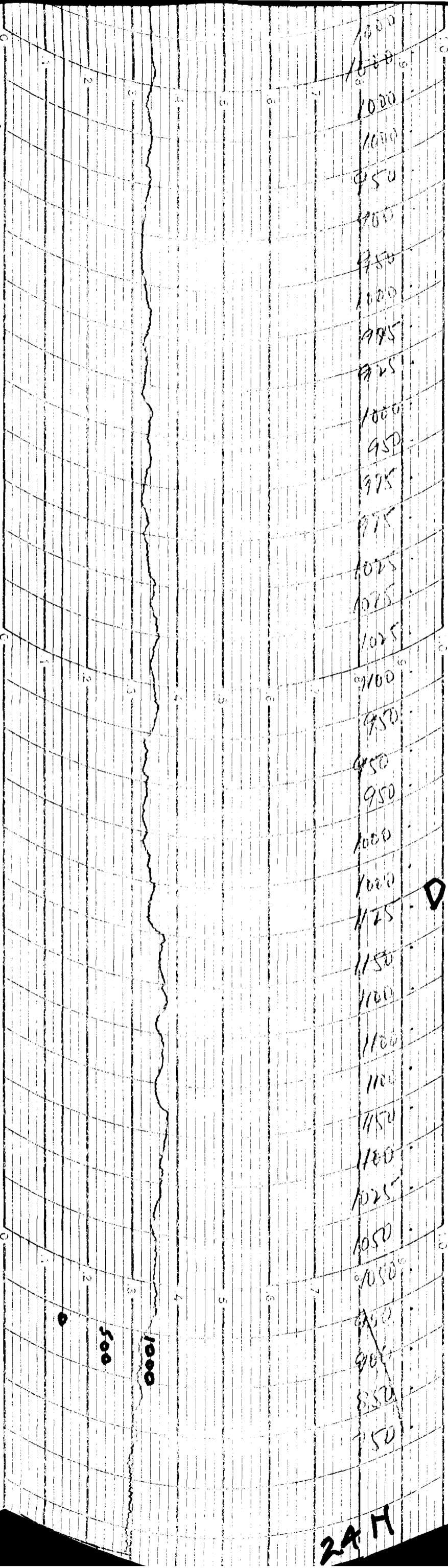
10

9PM

285

8PM

7PM



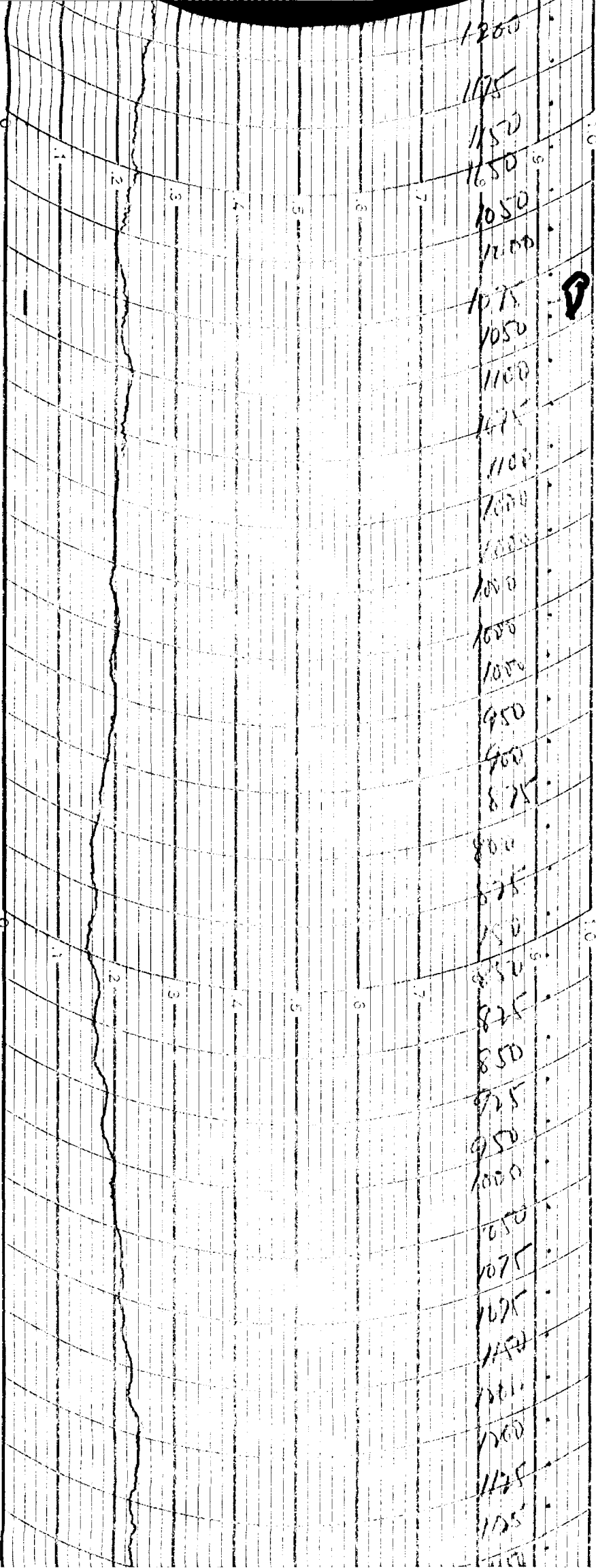
1000
~~1000~~
 1000
 950
 900
 850
 800
 750
 700
 650
 600
 550
 500
 450
 400
 350
 300
 250
 200
 150
 100
 50
 0

No. 4305-D

No. 4305-D

D

24 H



No. 4305-D

No. 4305-D

1AM

12MN

500

1000

Turn

255

1015
 1025
 1030
 1040
 1050
 1100
 1110
 1120
 1130
 1140
 1150
 1200
 1210
 1220
 1230
 1240
 1250
 1300
 1310
 1320
 1330
 1340
 1350
 1360
 1370
 1380
 1390
 1400
 1410
 1420
 1430
 1440
 1450
 1460
 1470
 1480
 1490
 1500
 1510
 1520
 1530
 1540
 1550
 1560
 1570
 1580
 1590
 1600
 1610
 1620
 1630
 1640
 1650
 1660
 1670
 1680
 1690
 1700
 1710
 1720
 1730
 1740
 1750
 1760
 1770
 1780
 1790
 1800
 1810
 1820
 1830
 1840
 1850
 1860
 1870
 1880
 1890
 1900
 1910
 1920
 1930
 1940
 1950
 1960
 1970
 1980
 1990
 2000

E

F

No. 4305-D

8AM

7AM

6AM

9:50

10:00

9:45

9:35

10:15

10:00

10:50

11:00

11:00

10:00

9:50

10:00

10:00

10:00

10:00

9:45

10:00

9:40

10:00

10:00

10:50

10:00

10:15

10:00

10:00

10:15

10:00

10:00

10:15

10:15

10:00

10:50

11:00

11:00

F

E

No. 4305-D

No. 4305-D

No. 4305-D

No. 4305-D

No. 4305-D

100

10

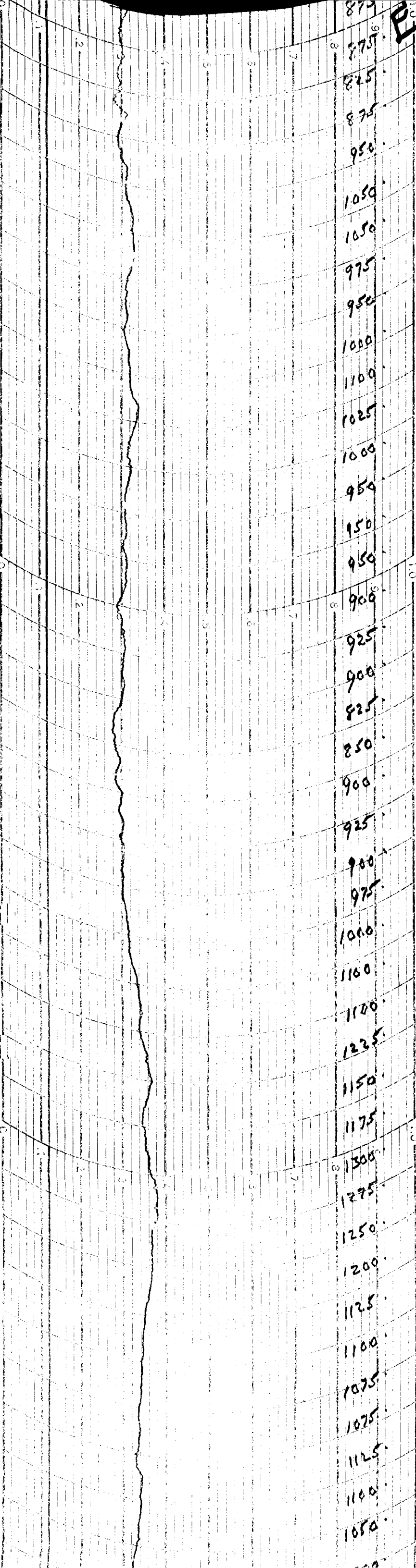
12

875
875
825
875
950
1050
1050
975
950
1000
1100
1025
1000
950
950
900
925
900
825
850
900
925
900
975
1000
1100
1100
1225
1150
1175
1300
1275
1250
1200
1125
1100
1075
1075
1125
1100
1050

6PM

5PM

D-E 216



4PM

Q.D 137

3PM

117

2PM

925
 1000
 1000
 975
 1000
 1000
 1025
 1075
 1050
 1000
 1000
 1000
 900
 825
 750
 800
 875
 875
 975
 1025
 1000
 1075
 1050
 975
 975
 1000
 1025
 1000
 1000
 950
 925
 900
 875
 925
 975
 1000
 1025

ump

No. 4305-D

No. 4305-D

No. 4305

1PM

A-C 257

12N

975

975

900

875

975

975

1000

1000

1025

1050

1050

1050

1050

1125

1150

1225

1300

1300

1300

1425

1475

1625

1800

1650

1550

1425

(1625)

1600

1300

No. 4805-D

B

1300
1300
1400
1375
1450
1425
1325
1375
1350
1300
1300
1375
1300
1400
1575

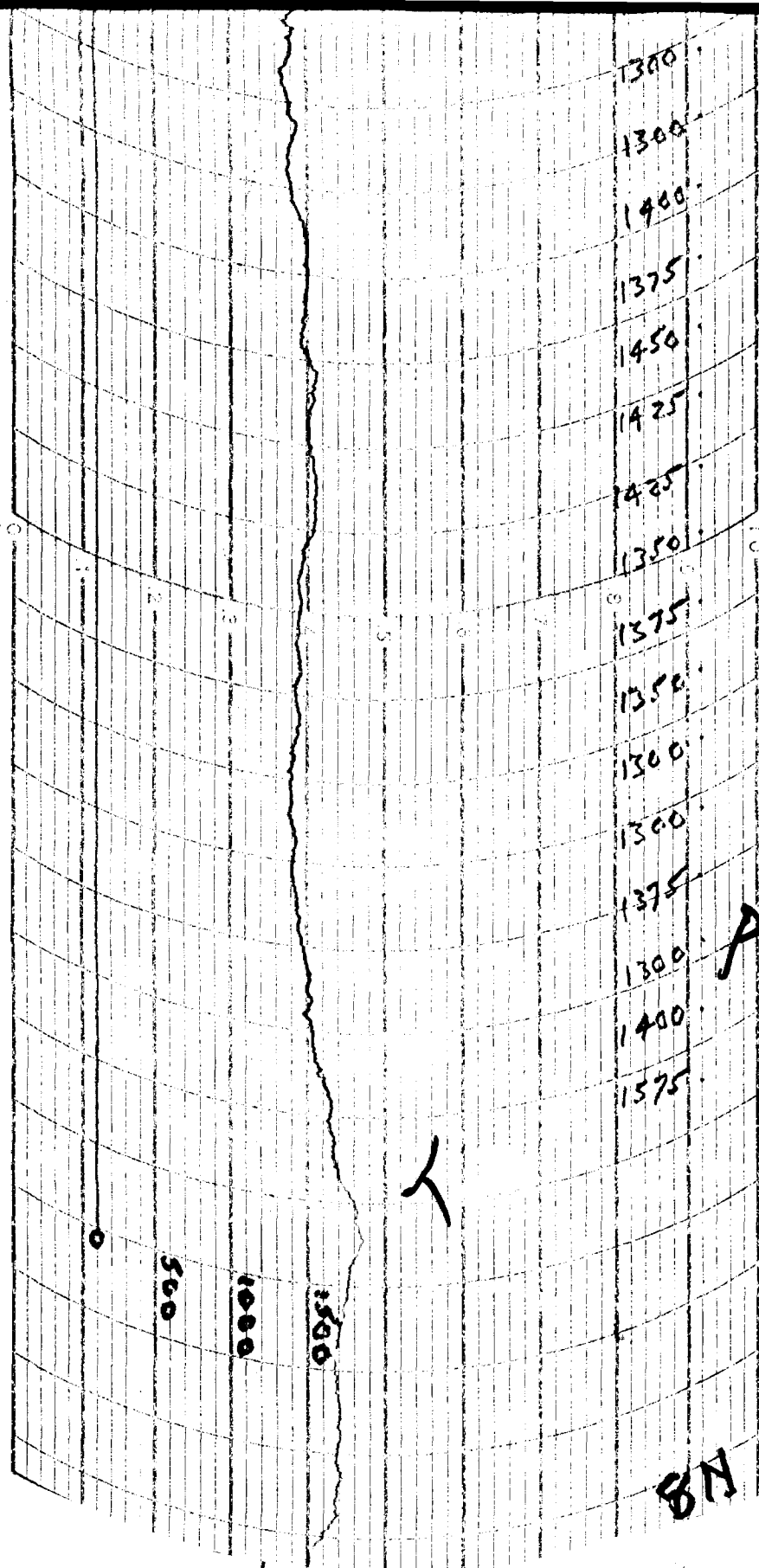
A

BA

11 AM

500
1000
1500

Y



No. 4805-D

No. 4805-D

1375
 1350
 1325
 1250
 1225
 1275
 1350
 1425
 1500
 1500
 1475
 1475
 1500
 1475
 1450
 1550
 1525
 1525
 1475
 1325
 1300
 1200
 1200
 1150
 1100
 1075
 1025
 1025
 1025
 1050
 1050
 1050
 1050
 950
 1050
 950
 950

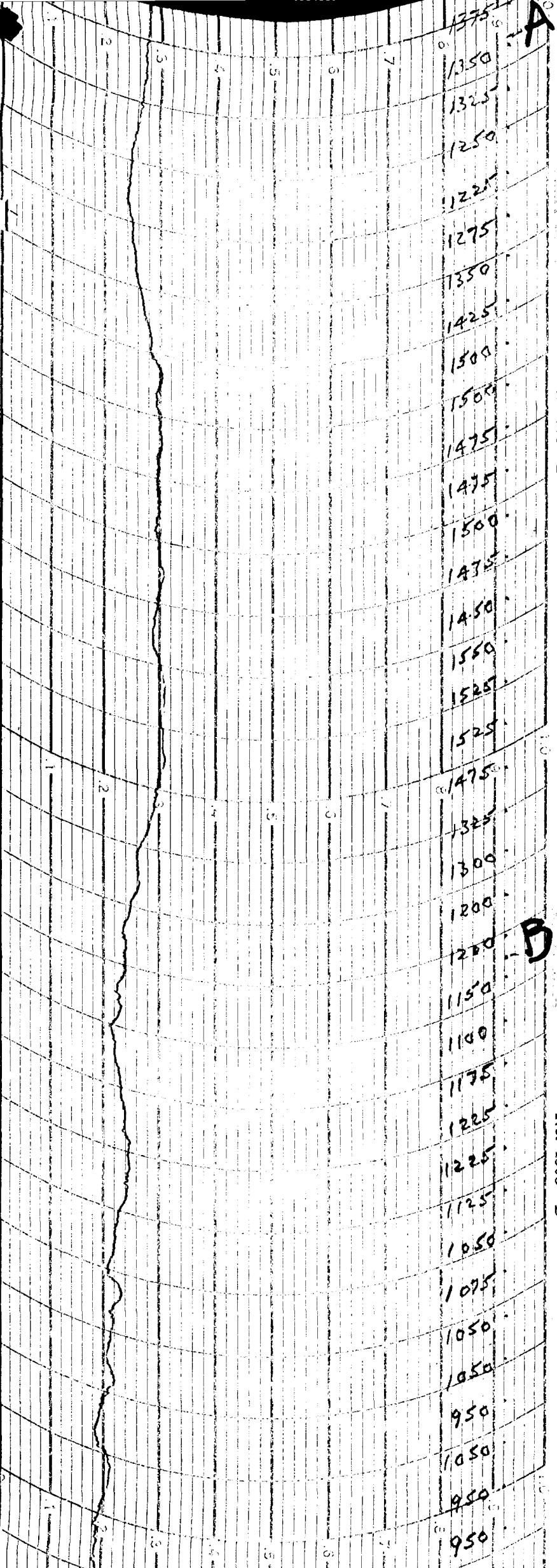
A

B

9AM

8AM

A-C 266



No. 4805-D

10

No. 4805-D

10

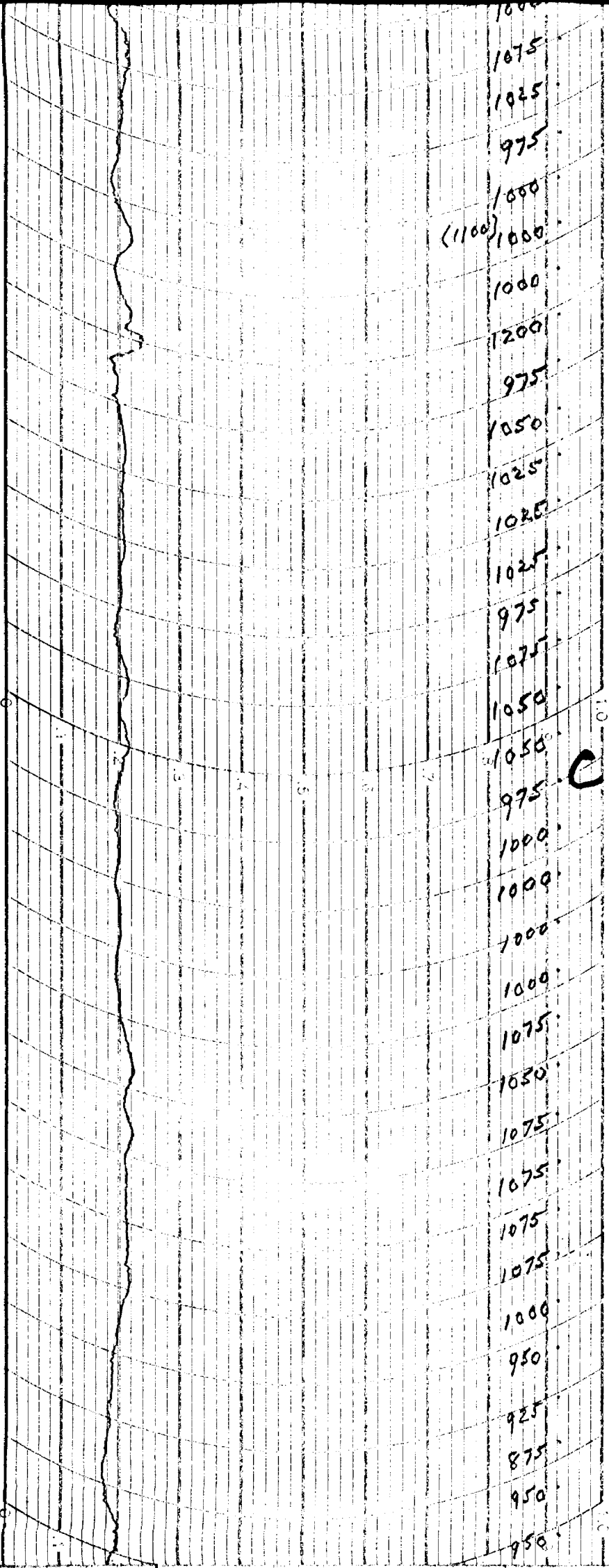
1000
 1075
 1025
 975
 1050
 (1100) 1000
 1000
 1200
 975
 1050
 1025
 1025
 975
 1075
 1050
 1050
 975
 1000
 1000
 1000
 1000
 1075
 1030
 1075
 1075
 1075
 1075
 1000
 950
 925
 875
 950
 950

C

7AM

6.1

C.D 128



1250

975
925
875
925
925
1000
900
925
900
950
925
975
1050
1100
1075
1050
1025
1075
1225
1175
1150
1150
1175
1150
1125
1125
1075
1000
950
900
850
850
825

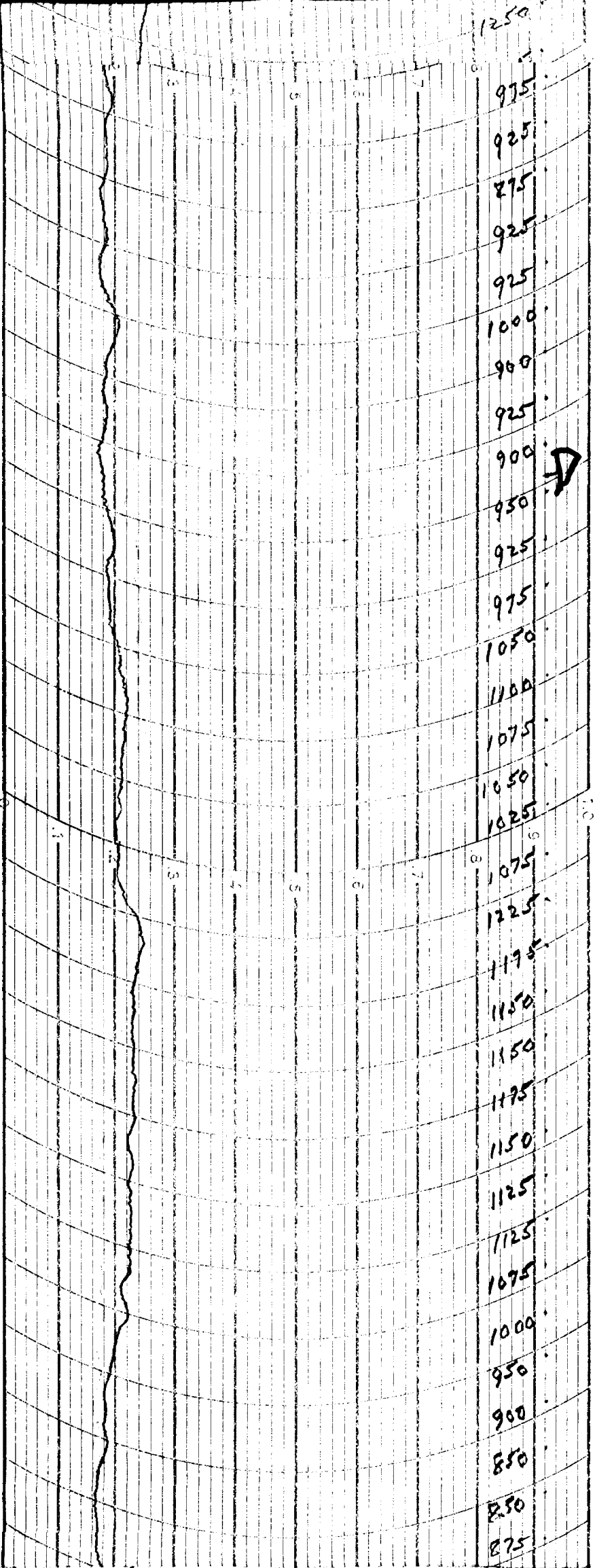
No. 4305-D

No. 4305-D

D

5AM

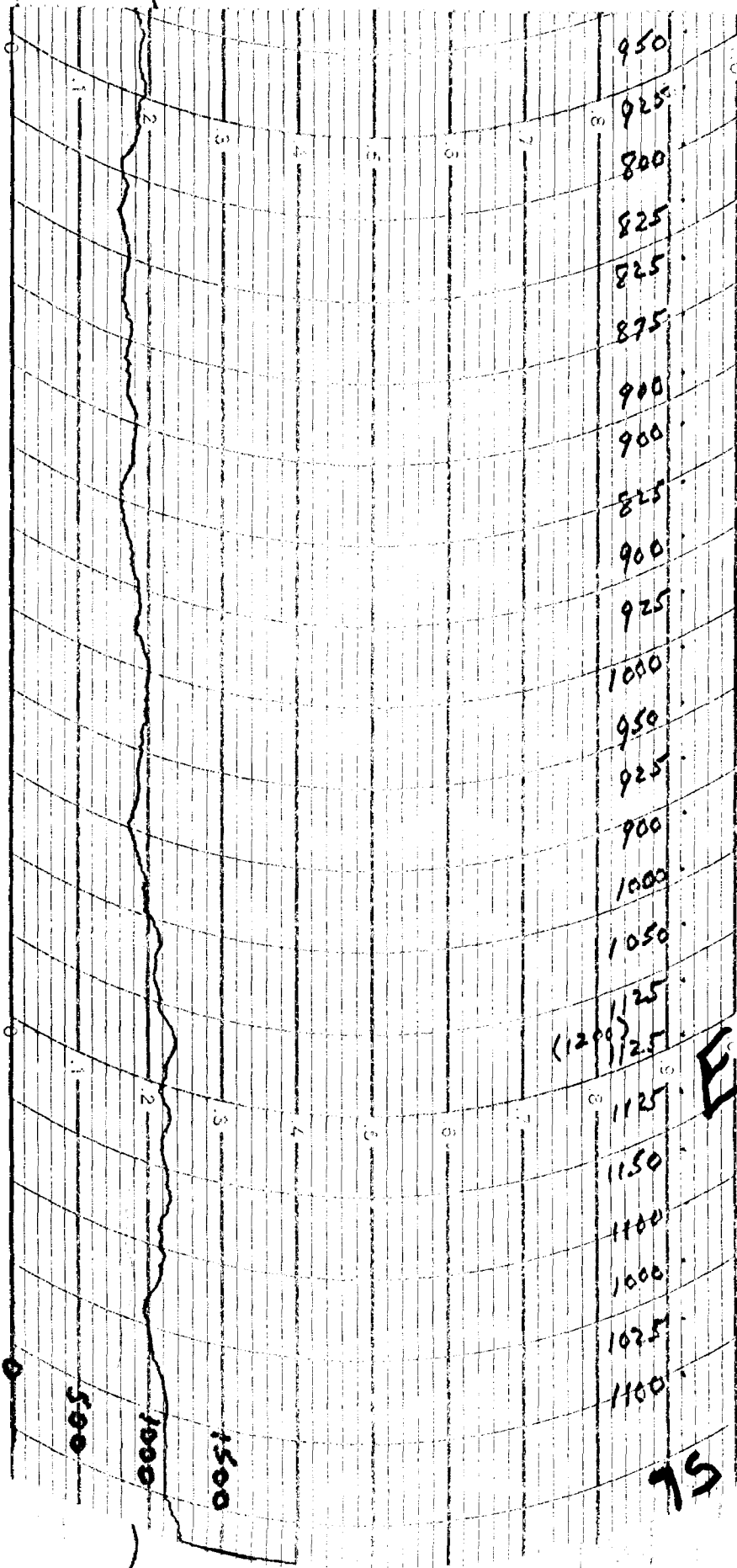
D-E 217



8AM

4AM

3AM



No. 4805-D

950
 925
 800
 825
 825
 875
 900
 900
 825
 900
 925
 1000
 950
 925
 900
 1000
 1050
 (1200)
 1125
 1125
 1125
 1150
 1100
 1000
 1025
 1100

E

75

10

1050
 1075
 1100
 1075
 1125
 1125
 1150
 1175
 1150
 1150
 1100
 1075
 1050
 1075
 1075
 1025
 1025
 1000
 1025
 925
 975
 925
 950
 1050
 1075
 1050
 1075
 1100
 1075
 1025
 1025
 1025
 1050
 975
 800
 975
 825
 1000
 925
 950

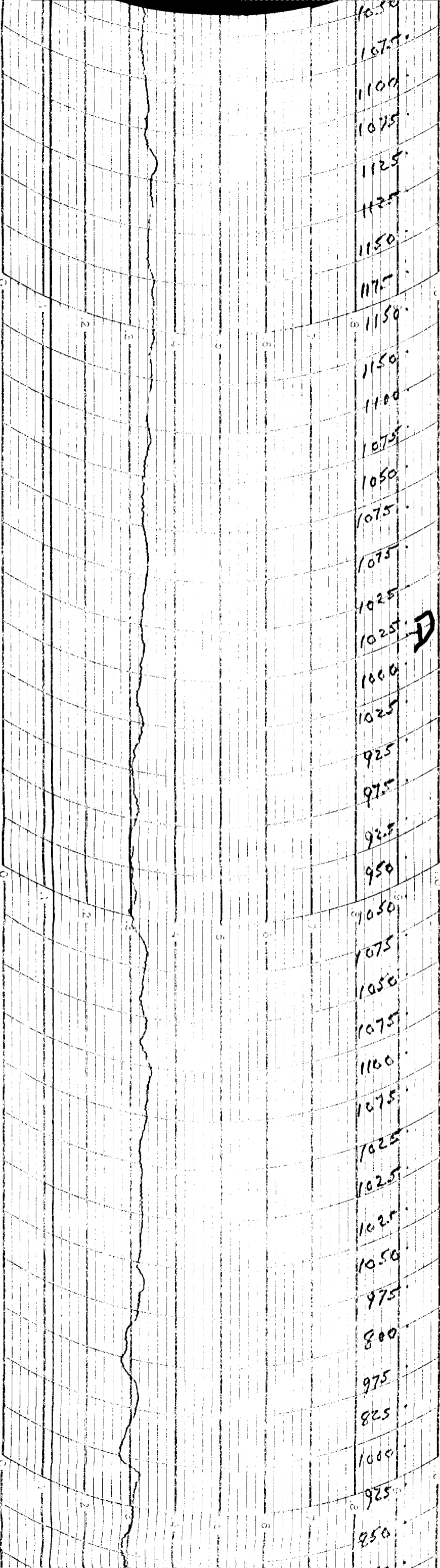
D

2AM

1AM

12MN

C.D. 123



No. 4305-D

No. 4305-D

No. 4305-D

850
 875
 900
 925
 950
 975
 1000
 1025
 1050
 1075
 1100
 1125
 1150
 1175
 1200
 1225
 1250
 1275
 1300
 1325
 1350
 1375
 1400
 1425
 1450
 1475
 1500
 1525
 1550

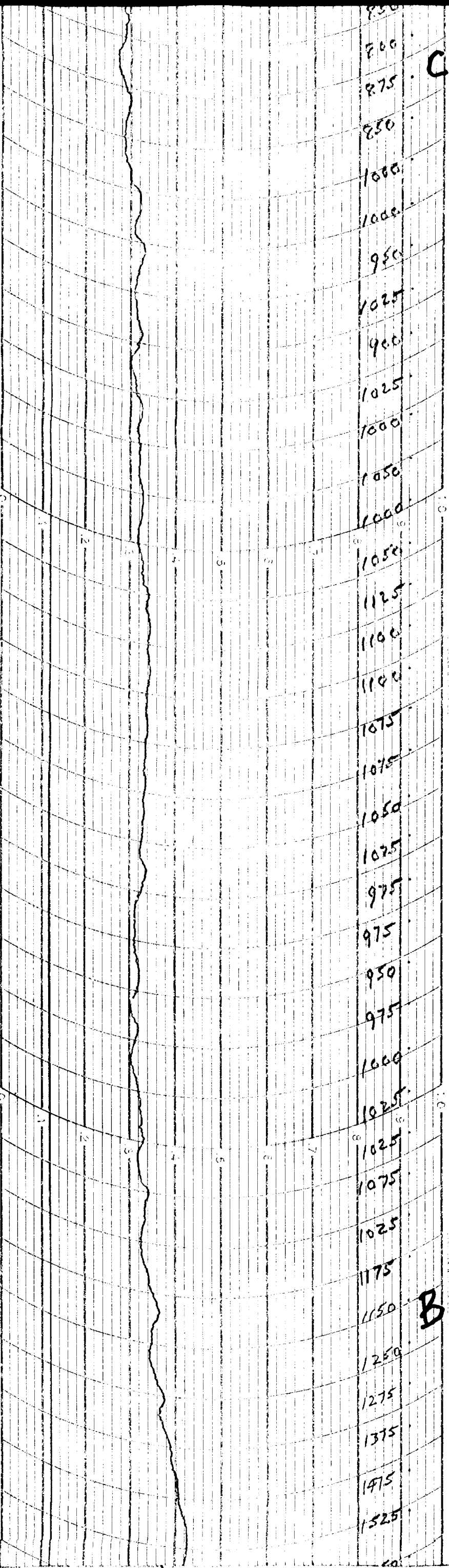
C

B

11 AM

10 PM

A.C. 260

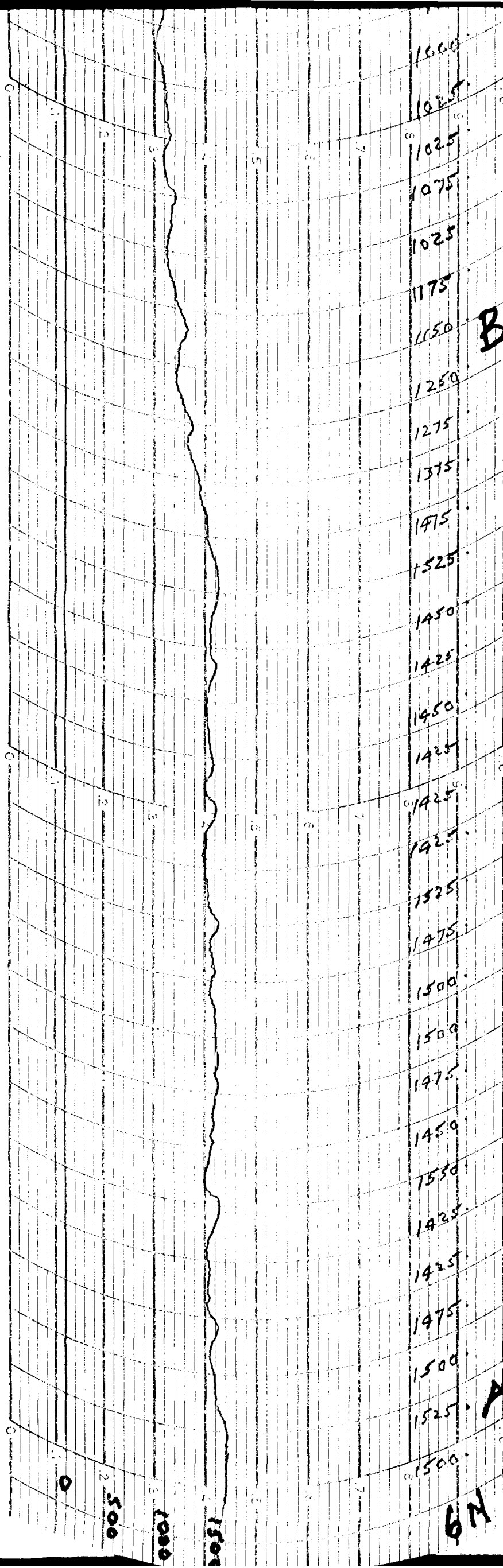


10PM

A.C. 260

9PM

8PM



1600
 1025
 1025
 1075
 1025
 1175
 1150
 1250
 1275
 1375
 1475
 1525
 1450
 1425
 1450
 1425
 1425
 1425
 1525
 1475
 1500
 1500
 1475
 1450
 1530
 1425
 1425
 1475
 1500
 1525
 1500

B

No. 4305-D

No. 4305-D

6A

1025
1100

1150
(1200)
1100

1075

1075

1075

1050

1000

1000

1050

1000

1000

1000

1025

1000

950

975

925

900

900

875

900

975

850

925

950

1000

1050

1025

1000

1000

1025

1075

1025

1000

1000

950

900

900

900

No. 4305-D

No. 4305-D

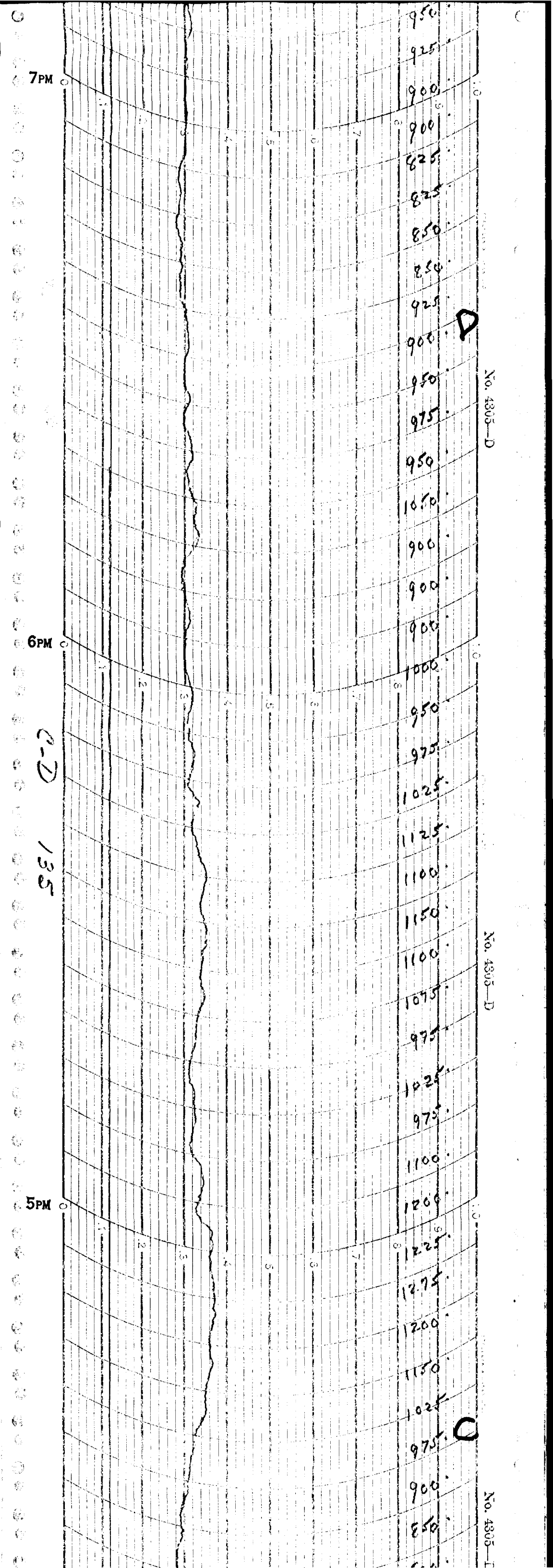
No.

10PM

9PM

D-E 290

8PM



4PM

3PM

2PM

1-D 135

1125

1150

1150

1200

1250

1200

1200

1250

1225

1250

1175

1175

1175

1175

1125

1100

1100

1050

1025

1025

1000

1000

925

900

925

825

825

925

1000

1000

1000

1075

1000

1000

1050

1000

1000

975

950

950

925

975

925

950

No. 4305-D

No. 4305-D

10

D

10

No. 4305-D

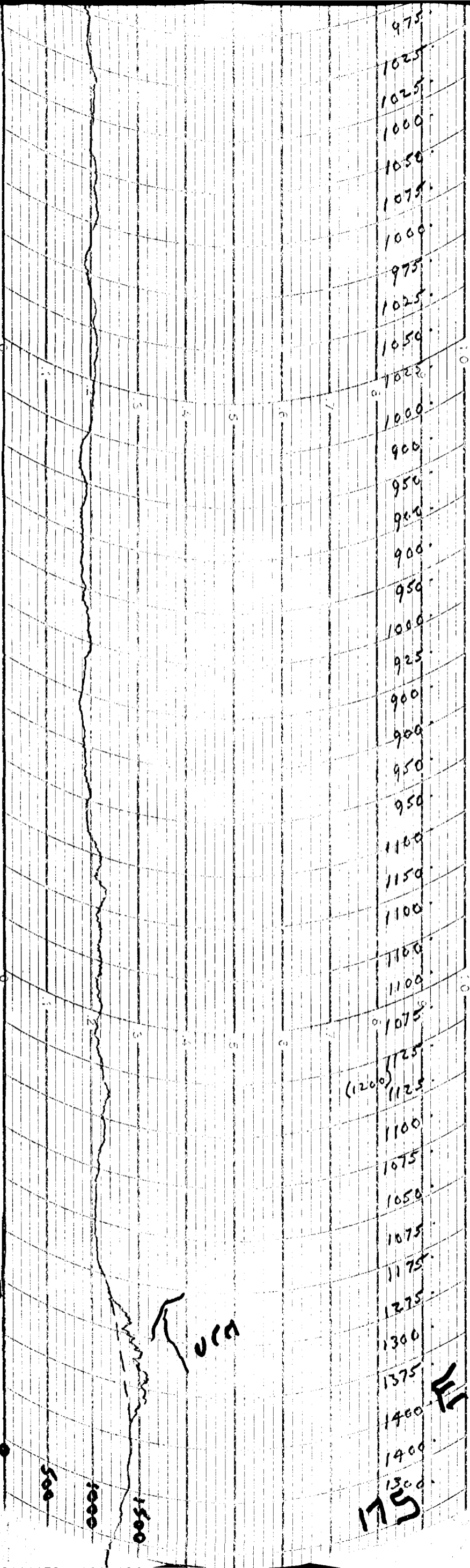
No. 4305-D

No. 4305-D

D-E 275

1PM

12N



975.
 1025.
 1000.
 1050.
 1075.
 1000.
 975.
 1025.
 1050.
 1025.
 1000.
 900.
 950.
 900.
 900.
 950.
 1000.
 925.
 900.
 900.
 950.
 950.
 1100.
 1150.
 1100.
 1100.
 1100.
 1100.
 1075.
 1125.
 (1200) 1125.
 1100.
 1075.
 1050.
 1075.
 1175.
 1275.
 1300.
 1375.
 1400. **E**
 1400.
 1300.
175

500

1000

1500

uca

(1200)

E

175

11 AM

10 AM

9 AM

D-F 278

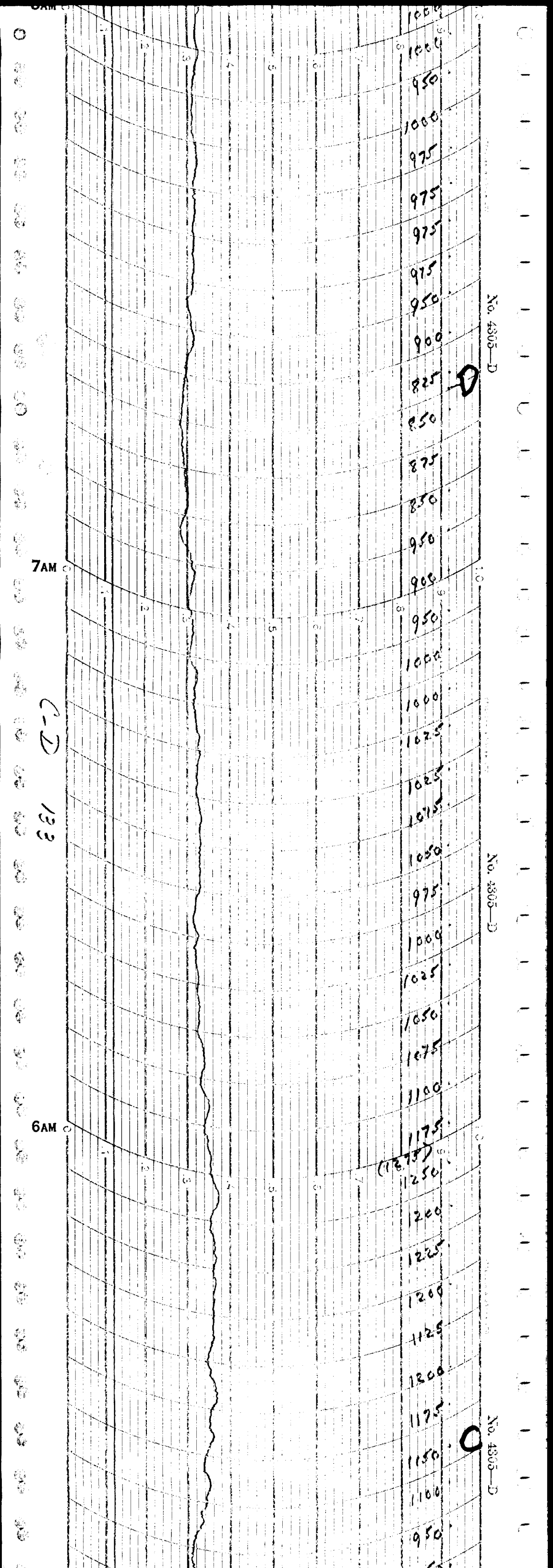
1200
1100
1125
1050
1025
950
925
975
1000
1000
1025
1025
1000
1000
1025
1000
950
850
875
950
1000
1000
1050
1025
975
950
1000
1050
1000
950
925
925
900
1000
900
975
1000
1000
1025
925

E

No. 4805-D

No. 4805-D

No. 4805-D



No. 4305-D

No. 4305-D

No. 4305-D

1000
1000
950
1000
975
975
975
975
950
900
825
850
875
850
950
900
950
1000
1000
1025
1025
1075
1050
975
1000
1025
1050
1075
1100
1175
1250
1200
1225
1200
1125
1200
1175
1150
1100
950

D

D

7AM

6AM

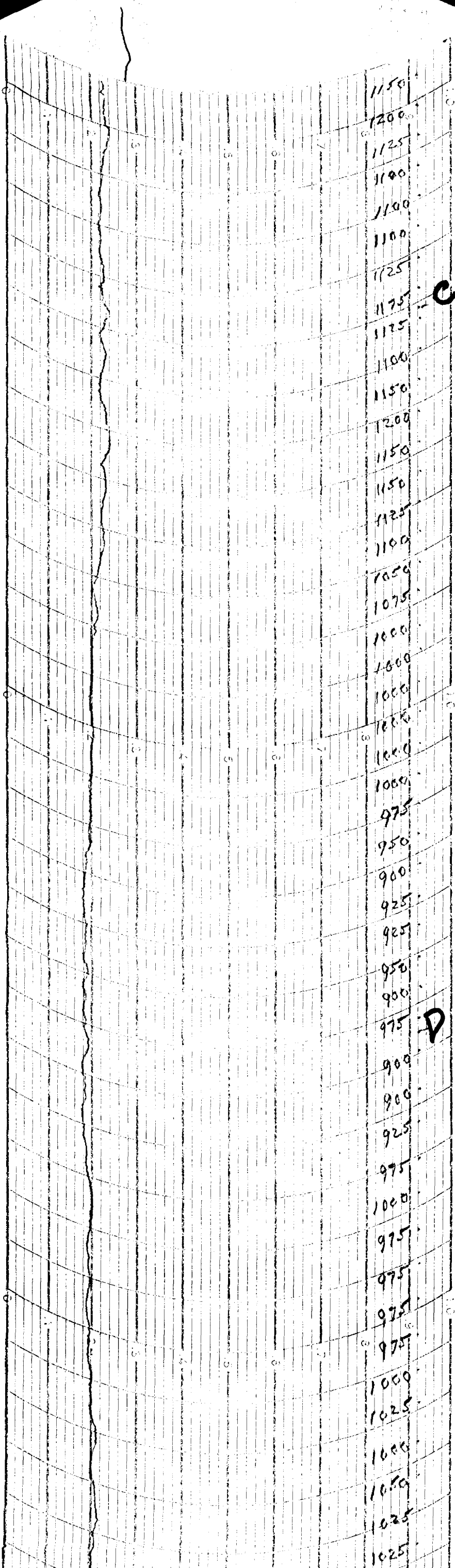
C-D 133

5AM

4AM

3AM

C-D 119



No. 4305-D

No. 4305-D

No. 4305-D

No. 4305-D

No. 4305-D

1075
 1000
 1050
 1000
 1100
 1075
 1075
 1000
 1050
 1000
 1000
 975
 1000
 1000
 1000
 1000
 925
 975
 900
 950
 900
 950
 950
 900
 925
 925
 900
 925
 1025
 1100
 1025
 1000
 1075
 1025
 1025
 1050
 1100
 1200
 1175
 1200
 1300
 (1425)
 1400
 1350
 1350
 1300

E
155

2AM

1AM

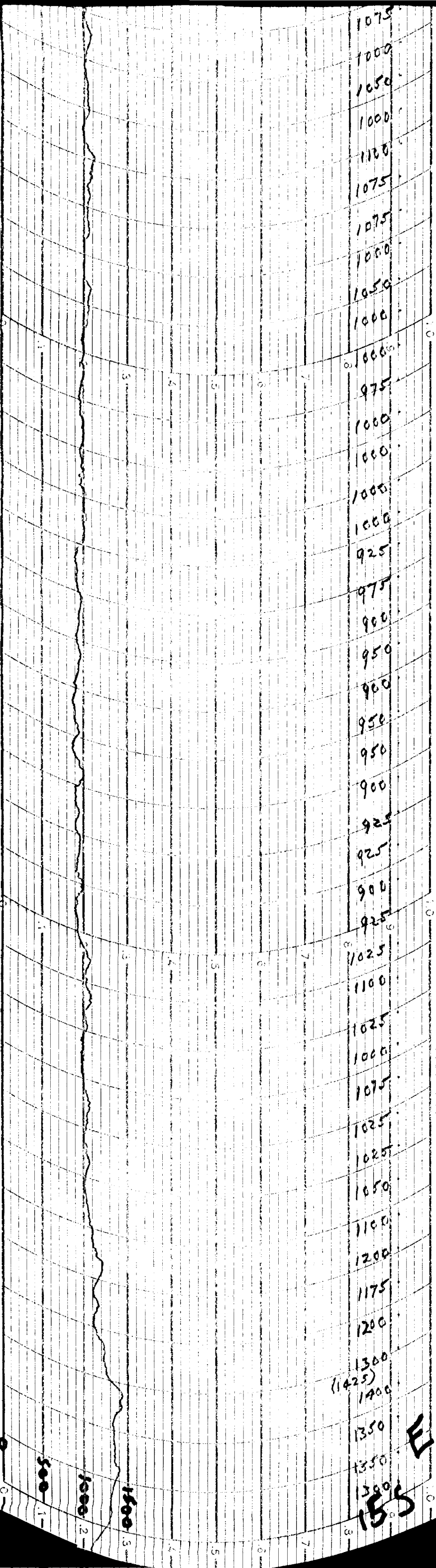
12MN

D-E 293

500 1

1000 2

1500 3



No. 4805-D

No. 4805-D

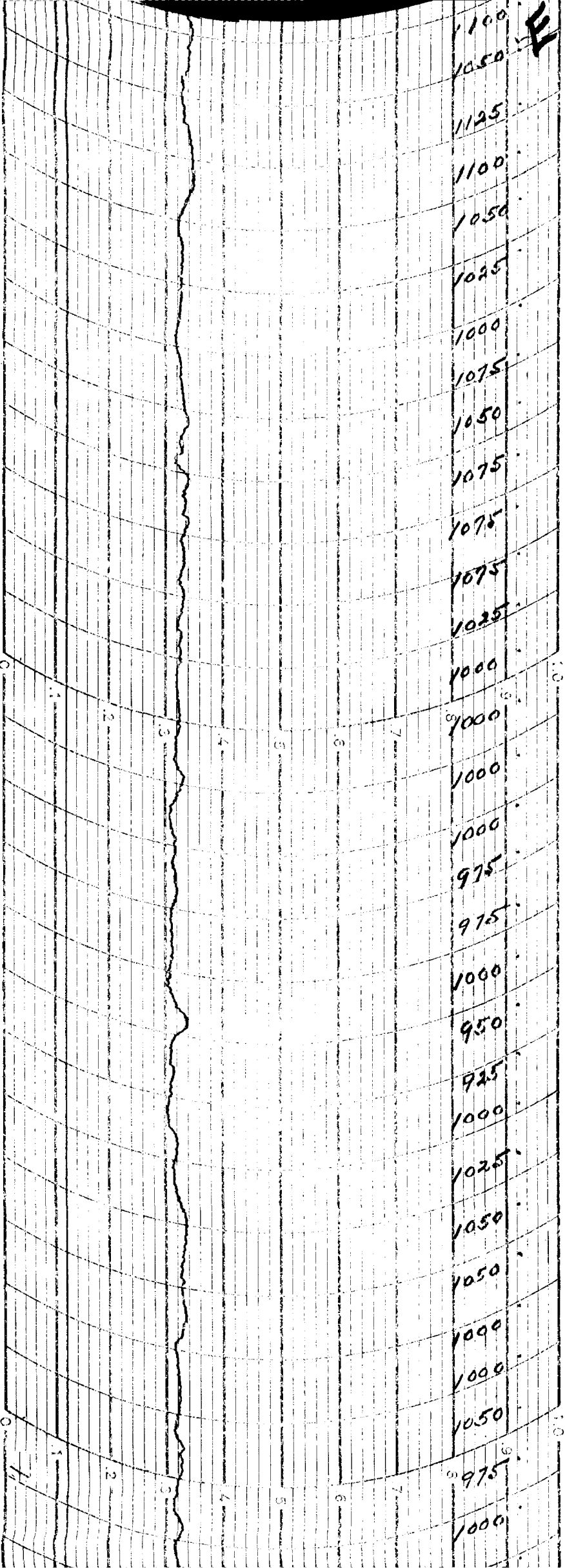
E

1100
 1050
 1125
 1100
 1050
 1025
 1000
 1075
 1050
 1075
 1075
 1075
 1025
 1000
 1000
 1000
 975
 975
 1000
 950
 925
 1000
 1025
 1050
 1050
 1000
 1000
 1050
 975
 1000

11 PM

10 PM

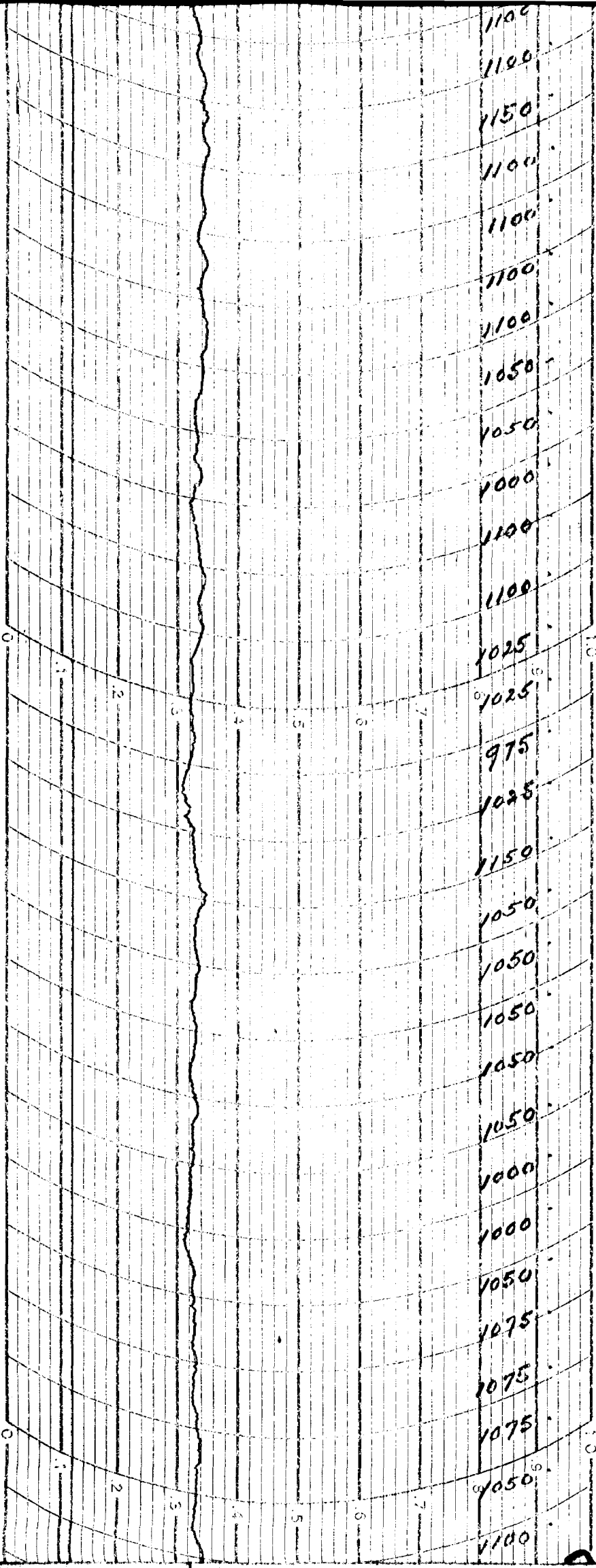
D-E



298

9PM

8PM



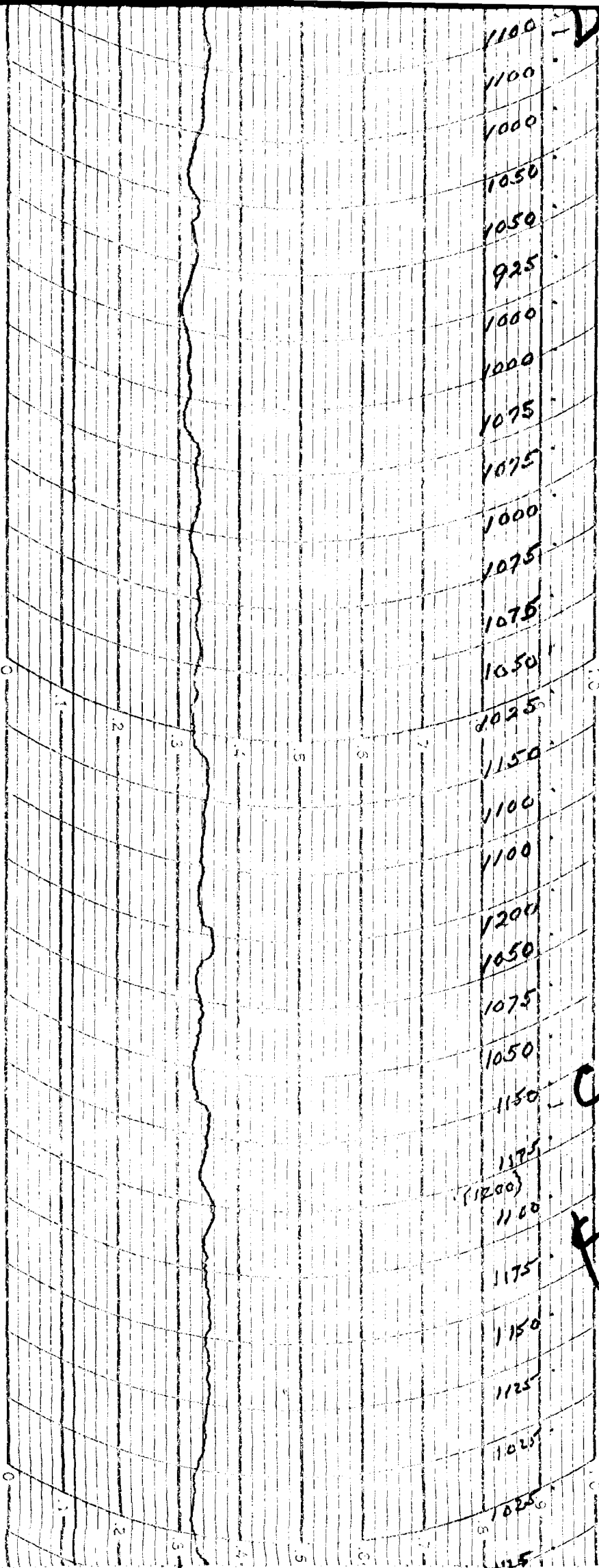
No. 4305-D

No. 4305-D

C-D 110

7PM

6PM



No. 1305-D

No. 1305-D

D

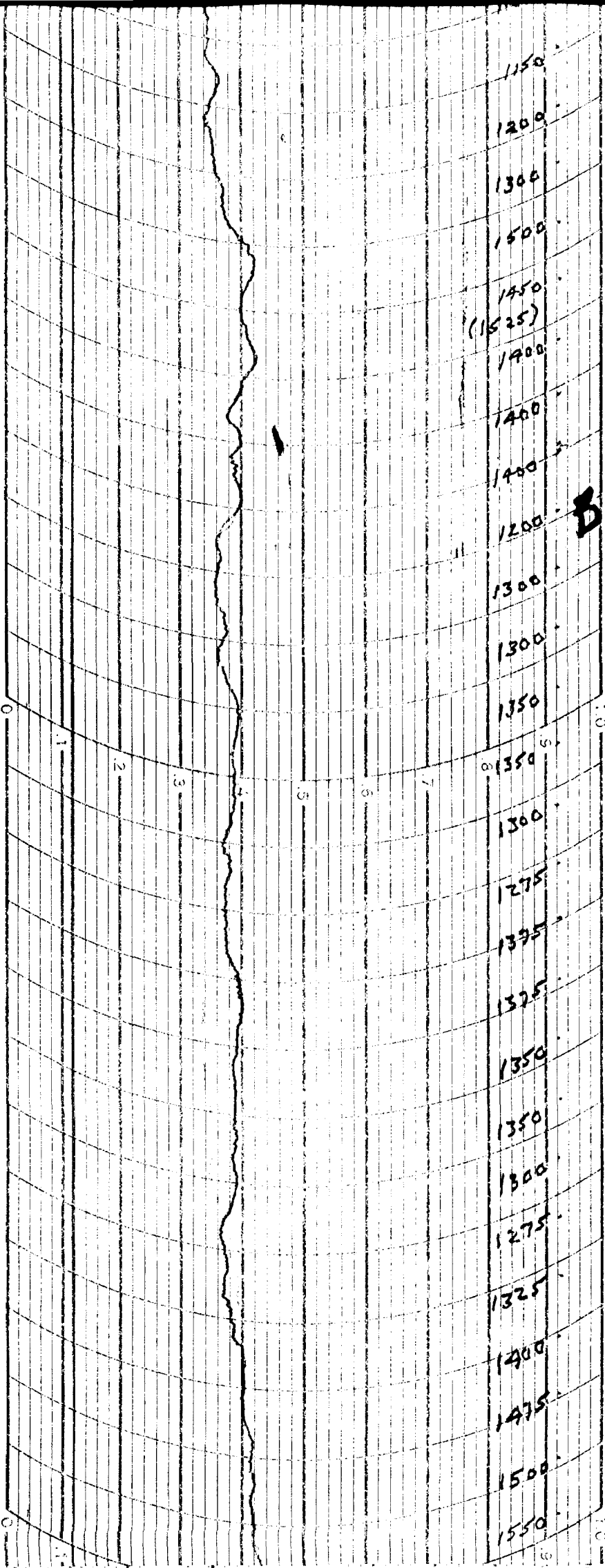
C

F

5PM

A-C 273

4PM



No. 4305-D

No. 4305-D

No. 4305-D

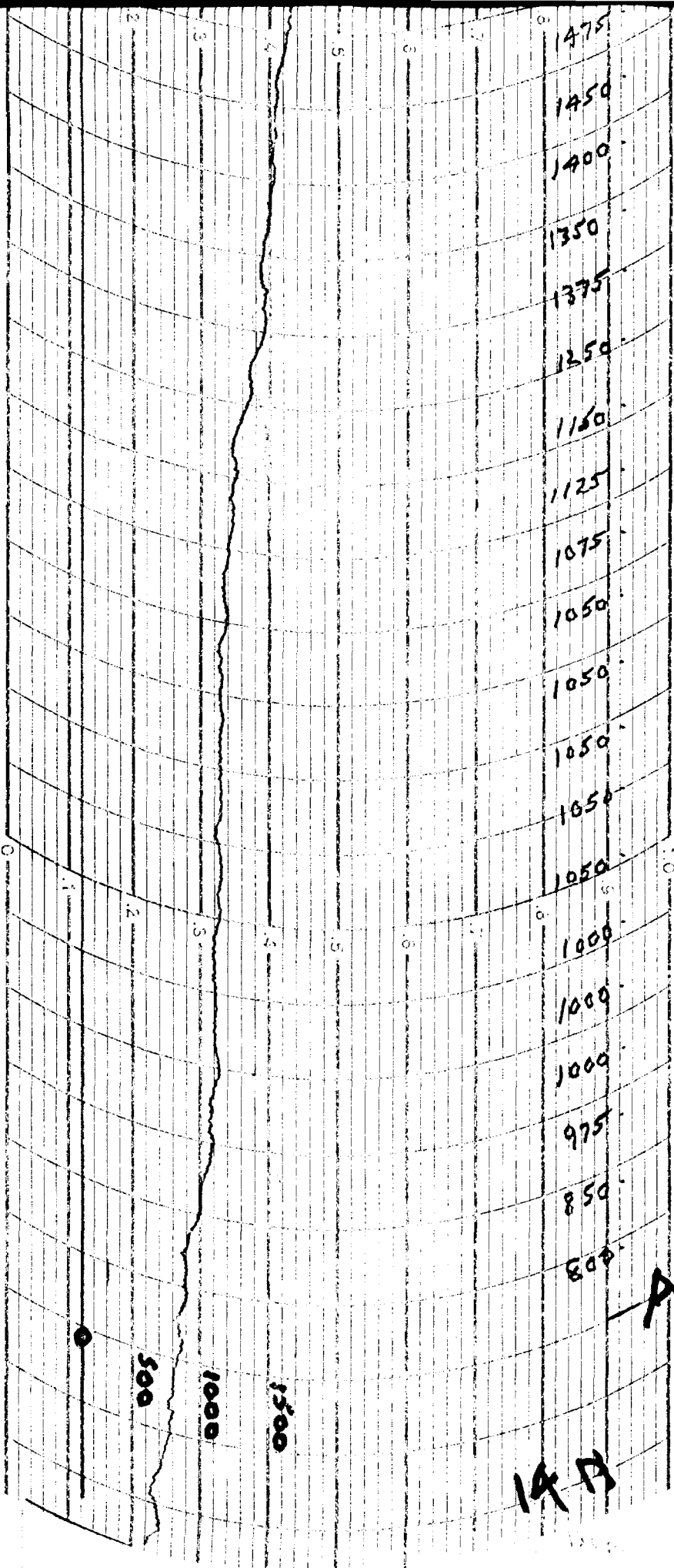
No. 4305-D

No. 4305-D

1475
 1450
 1400
 1350
 1375
 1350
 1160
 1125
 1075
 1050
 1050
 1050
 1050
 1050
 1000
 1000
 1000
 975
 850
 800

14 A

A



3PM

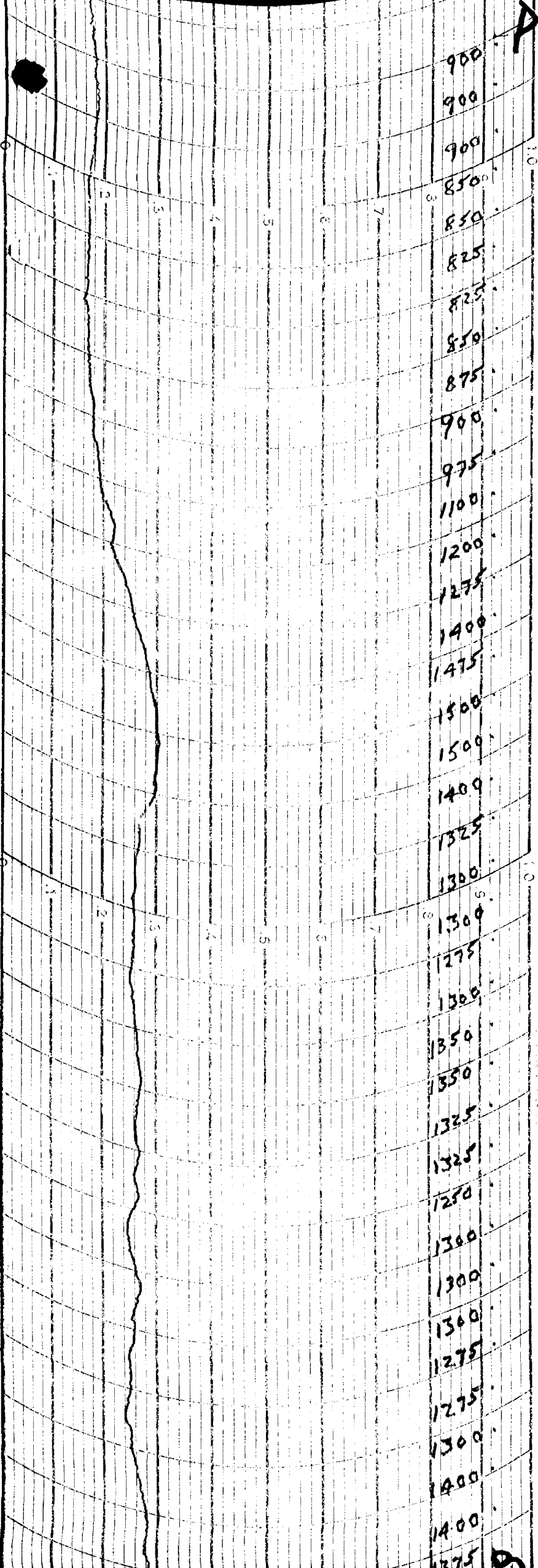
500
 1000
 1500

A

2PM

1PM

A.C. 288



No. 4305-D

No. 4305-D

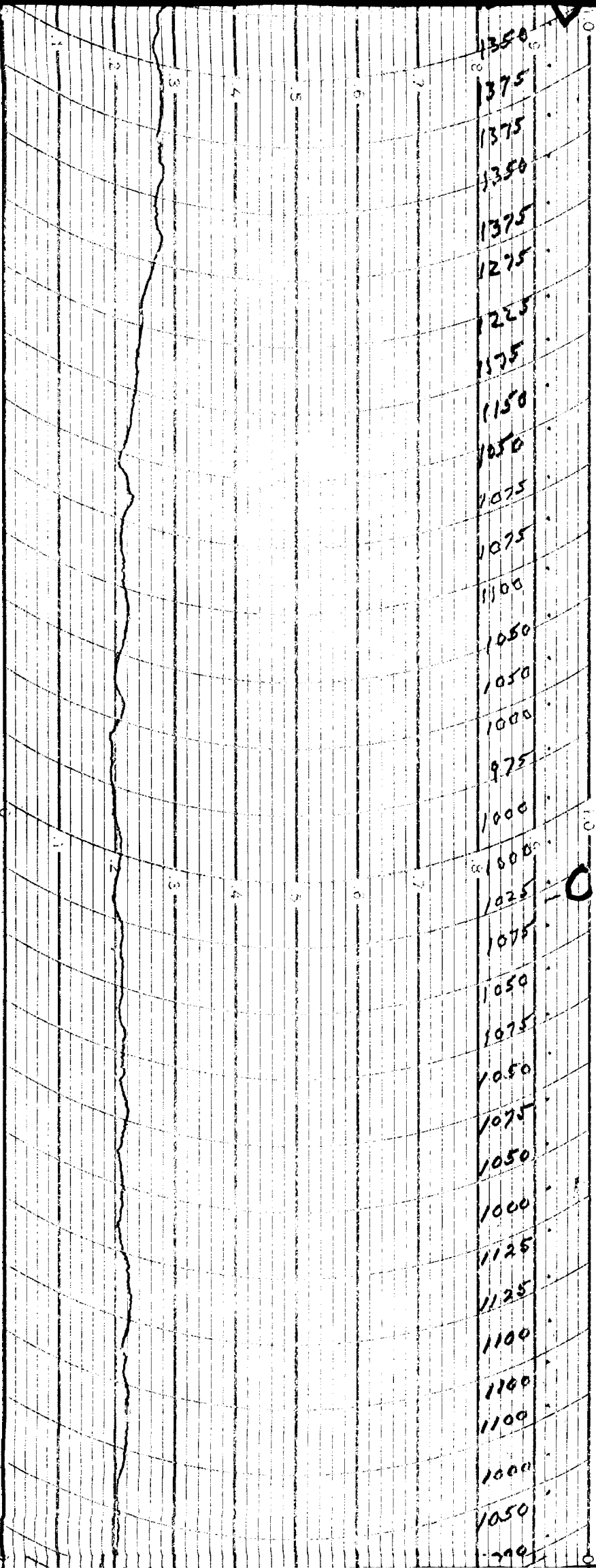
B

12N

800

11 AM

G-D 100



- 1350
- 1375
- 1375
- 1350
- 1375
- 1275
- 1225
- 1375
- 1150
- 1050
- 1075
- 1075
- 1100
- 1050
- 1050
- 1000
- 975
- 1000
- 1000
- 1025
- 1075
- 1050
- 1075
- 1050
- 1075
- 1050
- 1000
- 1125
- 1125
- 1100
- 1100
- 1100
- 1000
- 1050
- 1000

No. 4805-D

No. 4805-D

ZFM

10 AM

1050
 1000
 1000
 1050
 975
 925
 900
 900
 875
 925
 950
 900
 1000
 1075
 1000
 1050
 1025
 1050
 1075
 950
 950
 925
 950
 1000
 1000
 950
 1000
 1000
 950
 950
 975
 875
 850

P

No. 4305-D

No. 4305-D

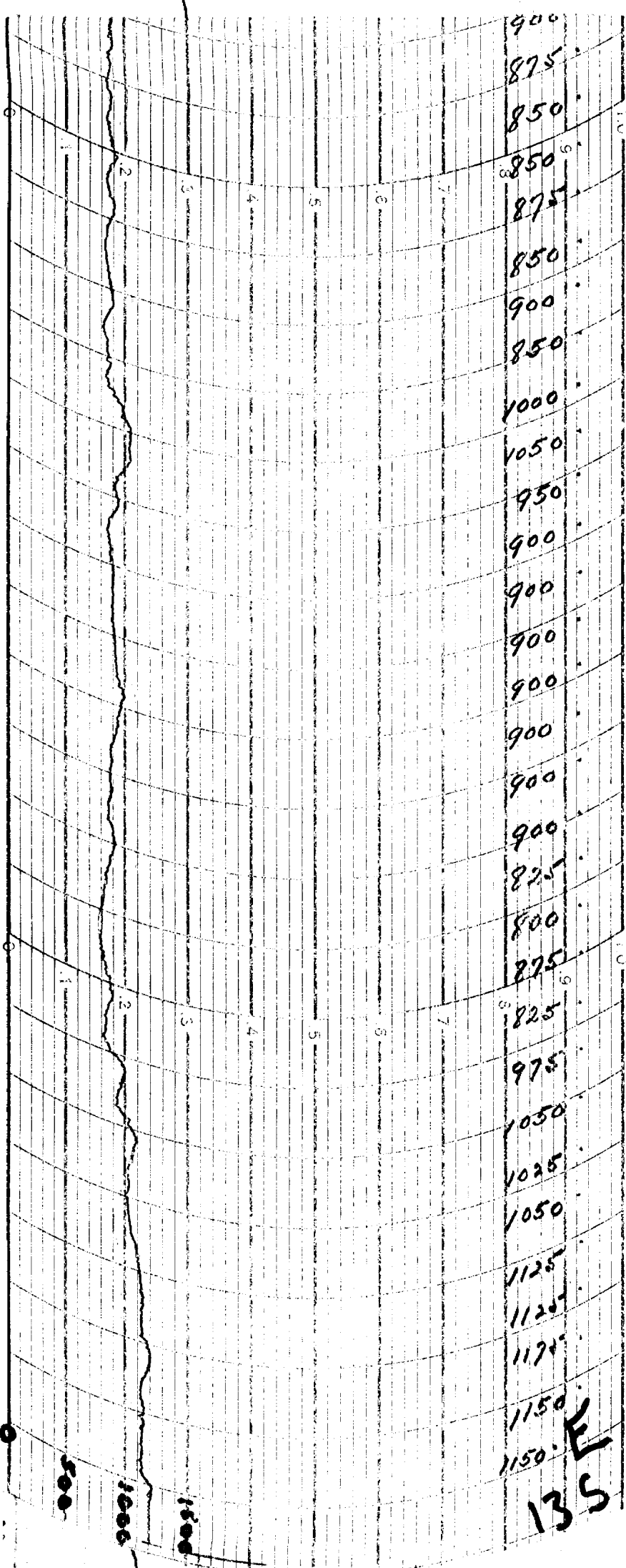
9 AM

D-E 293

15

8 AM

7 AM



900
 875
 850
 850
 875
 850
 900
 850
 1000
 1050
 950
 900
 900
 900
 900
 900
 900
 900
 825
 800
 875
 825
 975
 1050
 1025
 1050
 1125
 1125
 1175
 1150
 1150

No. 4305-D

No. 4305-D

135 E

10 AM

6AM

5AM

4AM

D-E 264

1050
1100
1050
1100

9100
950
925
925
925
900
850
900
875
925
925
950
950
975

950
950
1000
950
900
1000
900
875
850
1000
825
1000
900
950
900
850
1000
900

E

No. 4305-D

No. 4305-D

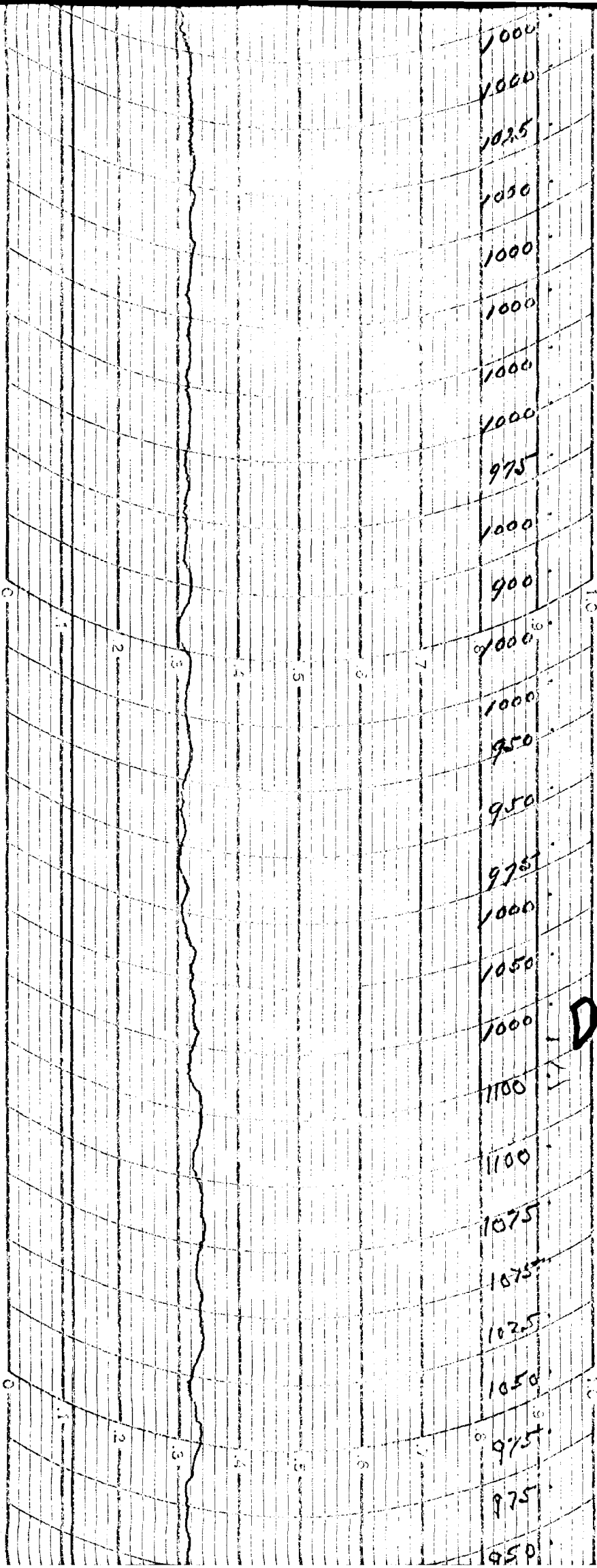
No. 4305-D

No. 4305-D

1000
 1000
 1025
 1050
 1000
 1000
 1000
 1000
 975
 1000
 900
 1000
 1000
 950
 950
 975
 1000
 1050
 1000
 1100
 1100
 1075
 1075
 1025
 1050
 975
 975
 950

3AM

2AM



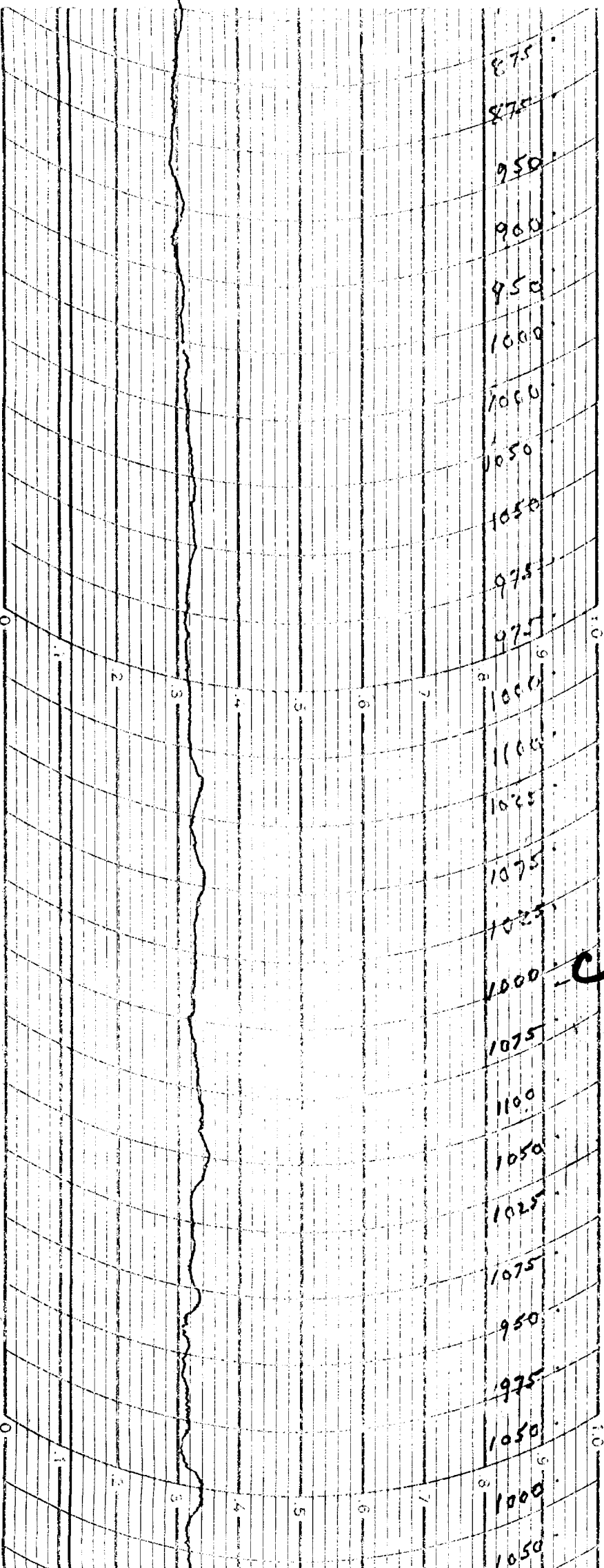
100

A-D

132

1 AM

12 MN



No. 4305-D

No. 4305-D

875
 875
 950
 900
 950
 1000
 1000
 1050
 1050
 975
 975
 1000
 1000
 1025
 1075
 1025
 1000
 1075
 1100
 1050
 1025
 1075
 950
 975
 1050
 1000
 1050

C

No. 4305-D

No. 4305-D

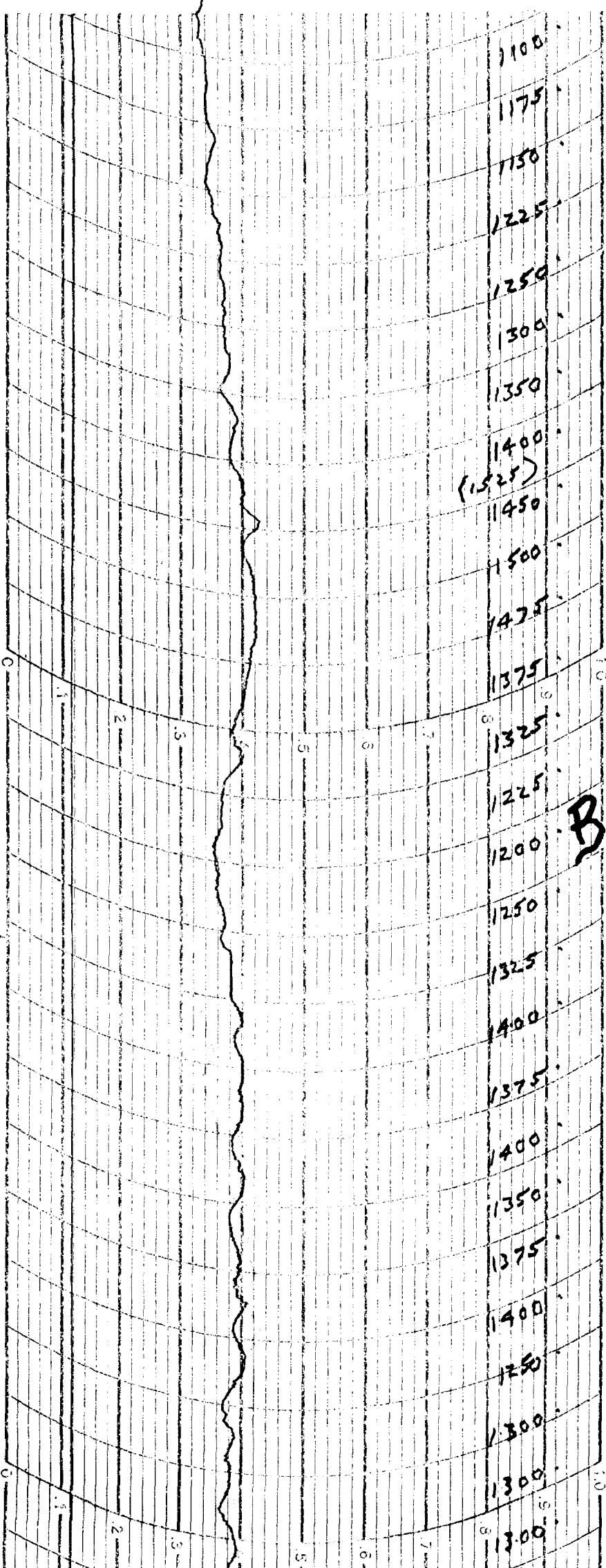
1100
 1175
 1150
 1225
 1250
 1300
 1350
 1400
 (1525)
 1450
 1500
 1475
 1375
 1325
 1225
 1200
 1250
 1325
 1400
 1375
 1400
 1350
 1375
 1400
 1250
 1300
 1300

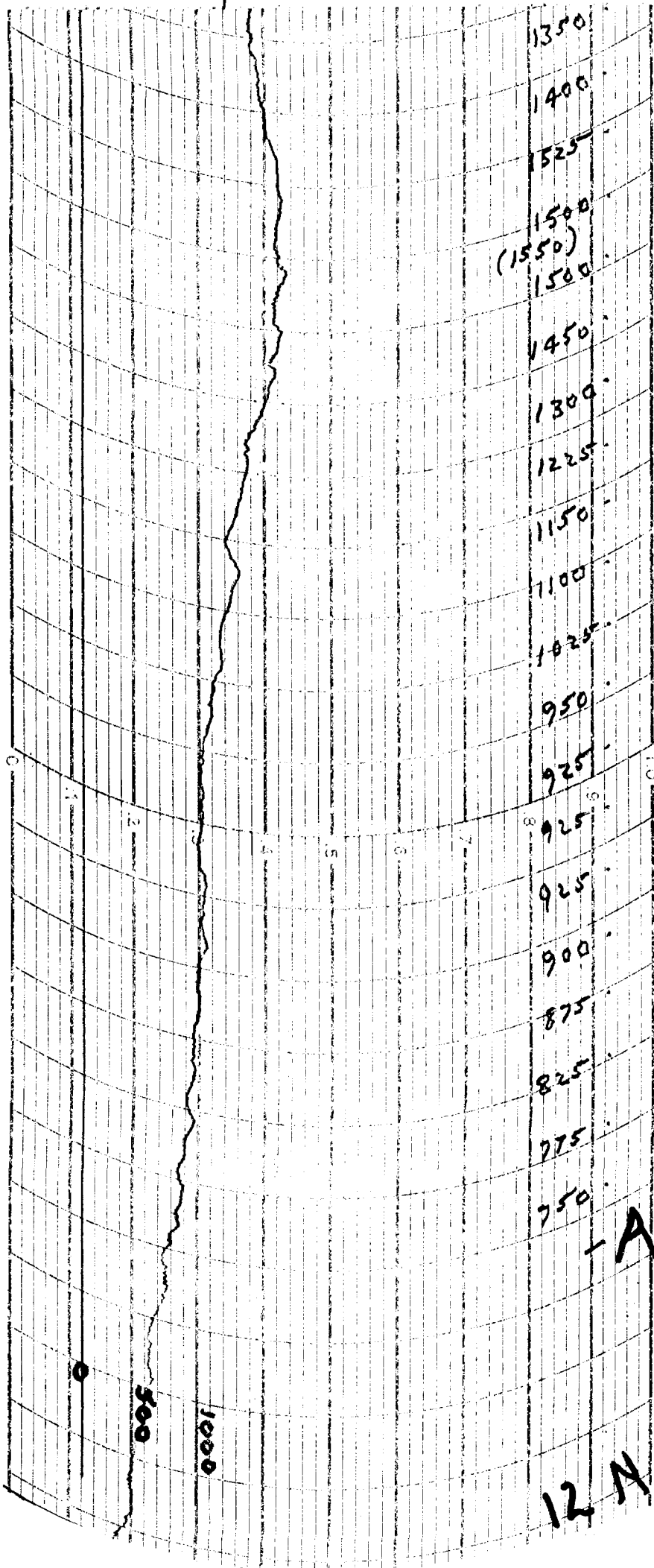
B

11 PM

10 PM

A-C 288





No. 4305-D

No. 4305-D

- A

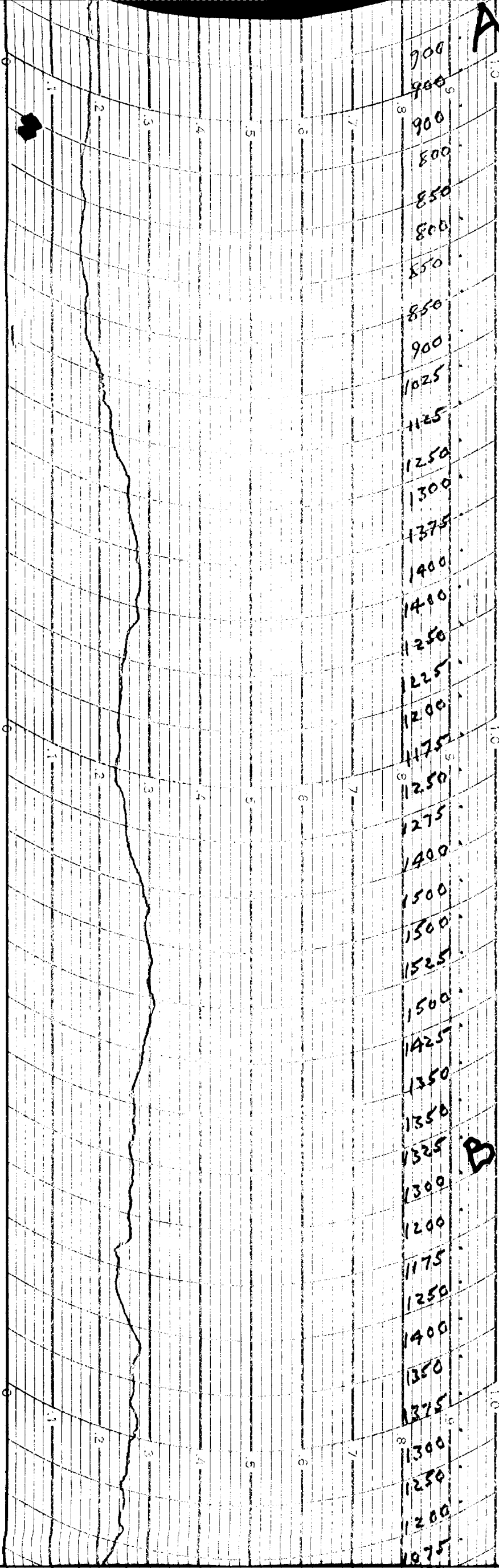
12 A

8PM

7PM

6PM

A-C 290



A

B

No. 4305-D

No. 4305-D

900
900
900
800
850
800
850
900
1025
1125
1250
1300
1375
1400
1400
1250
1225
1200
1175
1250
1275
1400
1500
1500
1525
1500
1425
1350
1350
1325
1300
1200
1175
1250
1400
1350
1375
1300
1250
1200
1075

No. 4305-D

No. 4305-D

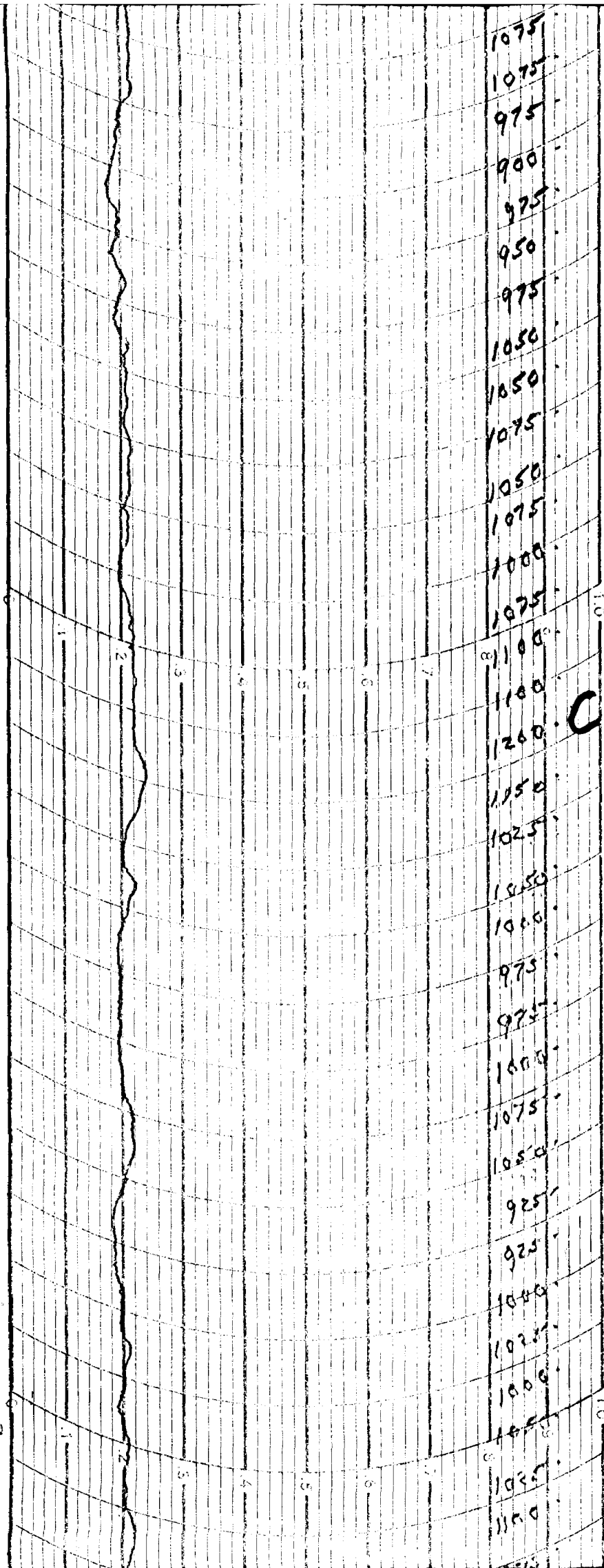
1075
 1075
 975
 900
 975
 950
 975
 1050
 1050
 1075
 1050
 1075
 1000
 1075
 1100
 1100
 1200
 1050
 1025
 1050
 1000
 975
 975
 1000
 1075
 1050
 925
 925
 1000
 1025
 1000
 1000
 1025
 1000

C

5PM

4PM

C-D 136



No. 4305-D

No. 4305-D

950.
 1000.
 1000.
 975.
 1025.
 1000.
 1000.
 975.
 900. **D**
 850.
 875.
 950.
 900.
 925.
 950.
 1025.
 1025.
 1050.
 1100.
 1075.
 1075.
 1125.
 1175.
 1150.
 1000.
 1025.
 1025.
 900.
 900.
 800.
 850.
 875.
 800.

3PM

2PM

1

2

3

4

5

6

7

10

1

2

3

4

5

6

7

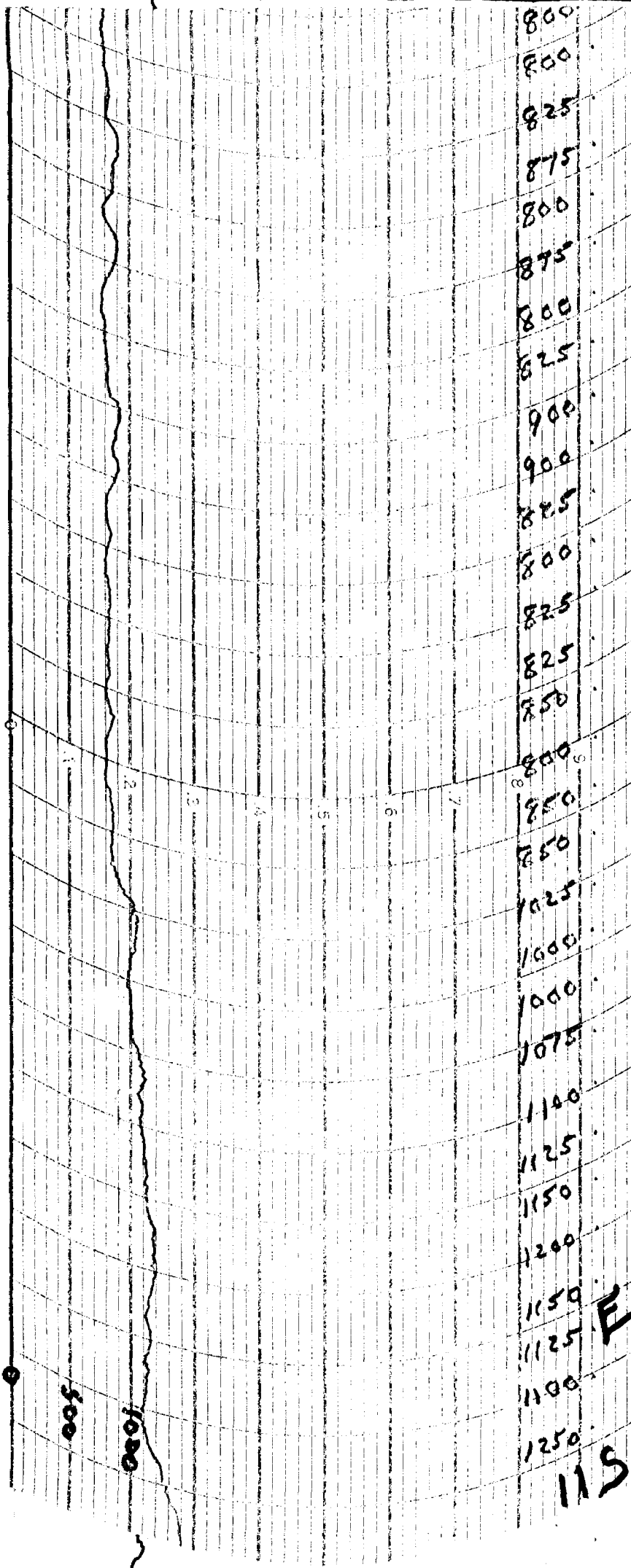
10

2

2

E 259

1 PM



500

1000

No. 4305-D

No. 4305-D

E

NS

12N

Test 1234

1050

E

975

875

875

900

920

875

775

900

925

900

950

1000

1000

900

800

850

850

875

900

875

875

900

825

850

900

925

925

975

1000

1050

1050

1050

1100

1100

1100

1100

1125

No. 4805-D

No. 4805-D

11AM

D-E 250

10AM

No. 4305-D

No. 4305-D

125

1150

1150

1125

1100

1075

1075

1025

1000

975

925

1000

1000

1000

900

975

900

1000

1000

1025

1000

1100

1000

1025

950

1000

1000

1000

D

9 AM

8 AM

1-D

14

No. 4305-0

1000
975
900
1050
1000
950
925

1000
1050
1100
1175
1200
1175

1200
1150
1150
1125
1100

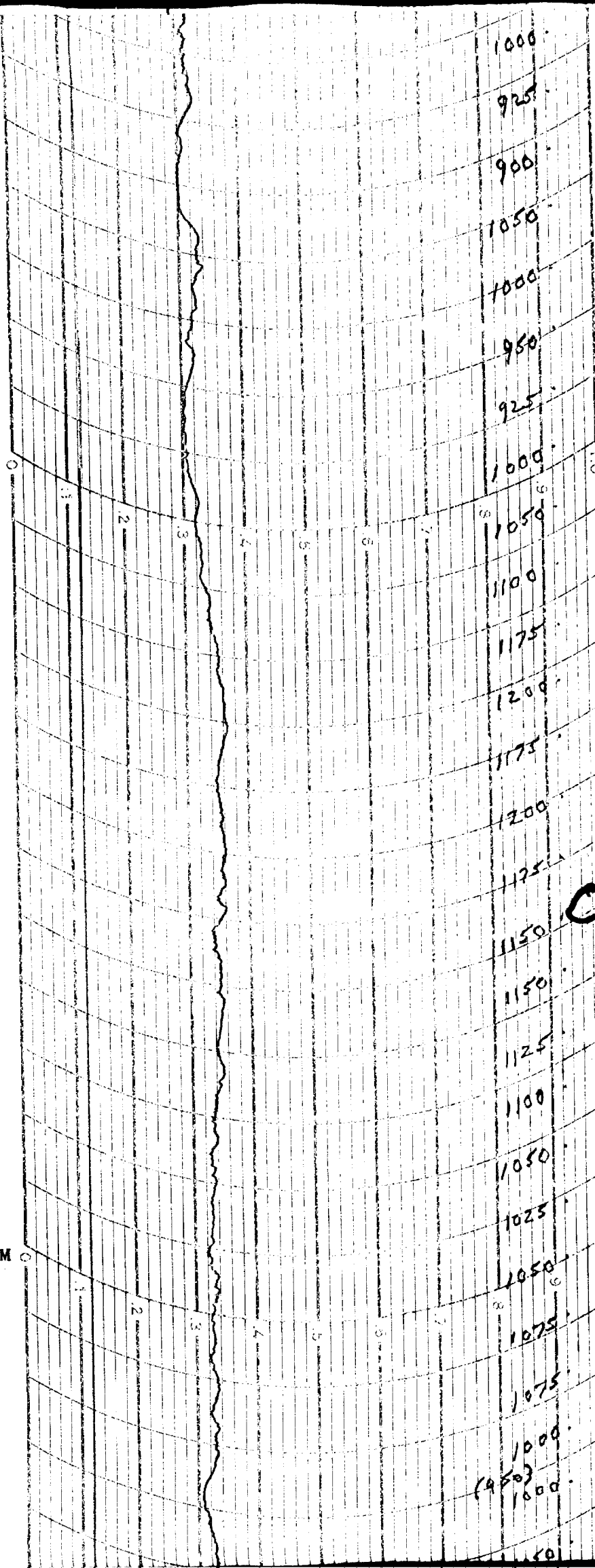
1050
1025
1050
1075
1075

1000
(950)
1000

No. 4305-D

7AM

6AM



No. 4305-D

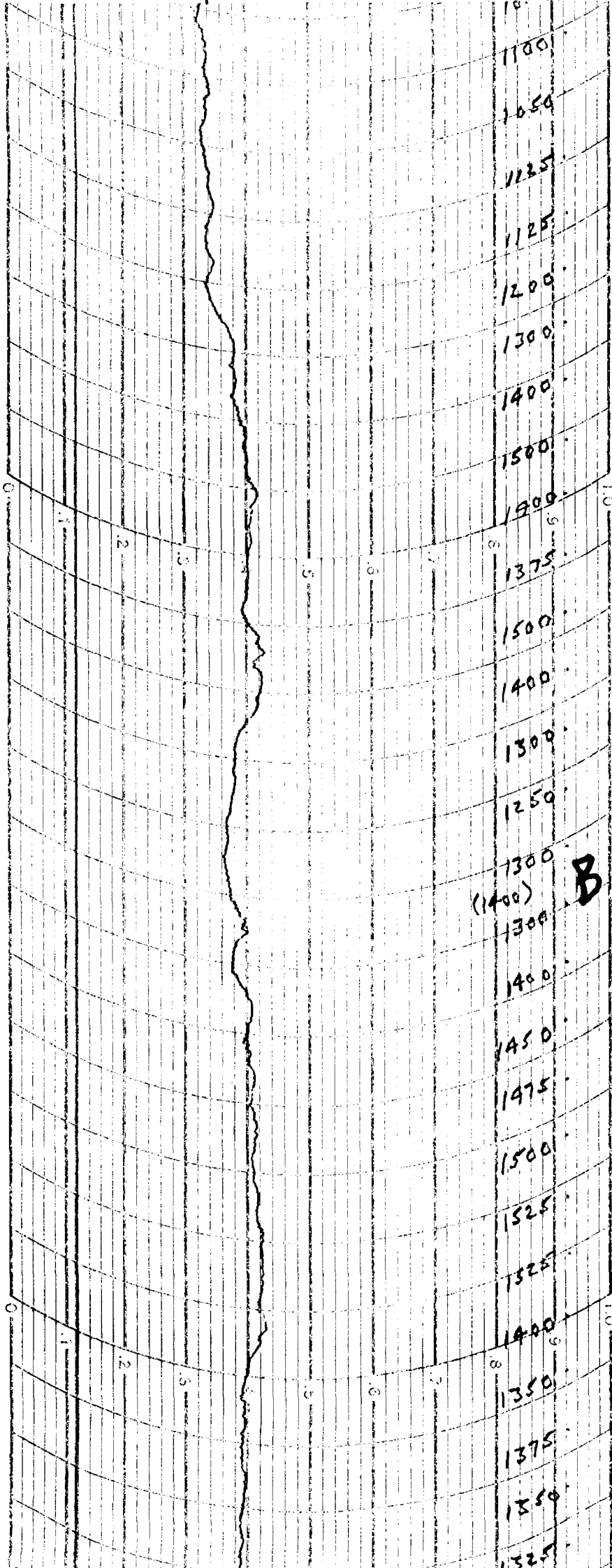
No. 4305-D

1100
 1050
 1025
 1025
 1200
 1300
 1400
 1500
 1700
 1375
 1500
 1400
 1300
 1250
 1300
 (1400) **B**
 1300
 1400
 1450
 1475
 1500
 1525
 1525
 1400
 1350
 1375
 1350
 1325

5AM

4AM

A-C 285



No. 4805-D

No. 4805-D

1350
 1500
 1525
 1525
 1475
 1450
 1375
 1300
 1300
 1250
 1225
 1225
 1175
 1125
 1075
 1000
 925
 900
 850
 800

A

107

3AM



Indian Bay

Shoal Lake Indian Reserve No. 39A

I.R.

Snowshoe Bay

I.R.

Silver Fox Is.

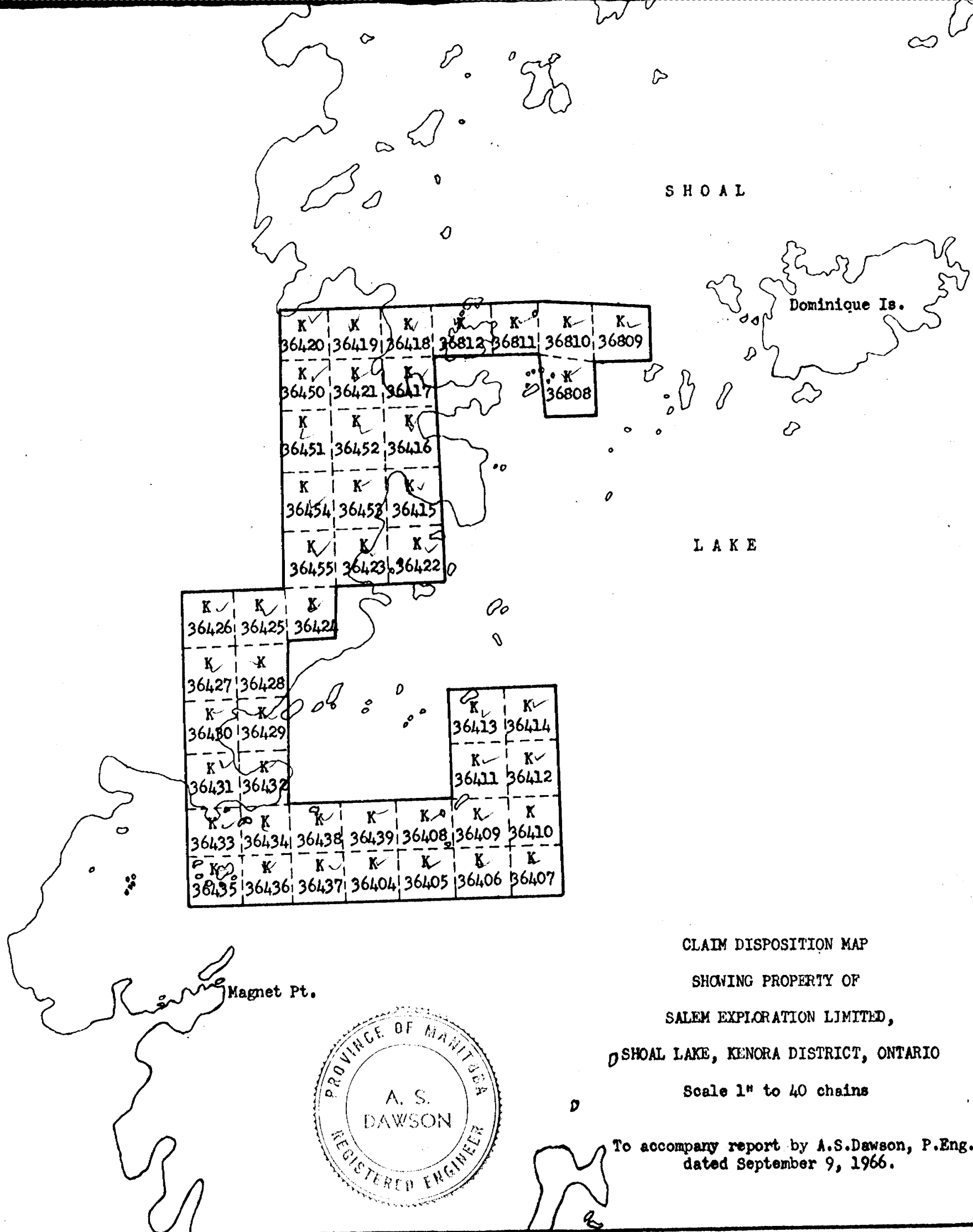
Cash Is.

SHOAL

Dominique Is.

K	K	K	K
37659	37660	36805	36806
K	K	K	K
37657	37658	36803	36804
K	K	K	K
37656	36800	36801	36802
K	K	K	
36341	36342	36343	
K	K	K	
36344	36345	36346	
K	K	K	
36347	36348	36349	36350
K	K	K	K
36363	36364	36365	36357
K	K	K	K
36368	36367	36366	36476
K	K	K	K
36369	36370	36371	36479
K	K		K
36807	36440		36480
K	K		K
36441	36442		36482
K	K	K	K
36458	36459	36460	36485
K	K	K	K
36464	36465	36466	36486
K	K	K	K
36470	36471	36472	36487
K	K	K	K
36461	36462	36463	36488
K	K	K	K
36464	36465	36466	36489
K	K	K	K
36470	36471	36472	36490
K	K	K	K
36473	36474	36475	36491
K	K	K	K
36476	36477	36478	36492
K	K	K	K
36479	36480	36481	36493

K	K	K	K	K	K	K
36420	36419	36418	36812	36811	36810	36809
K	K	K		K		
36450	36421	36417		36808		
K	K	K				
36451	36452	36416				



SHOAL

Dominique Is.

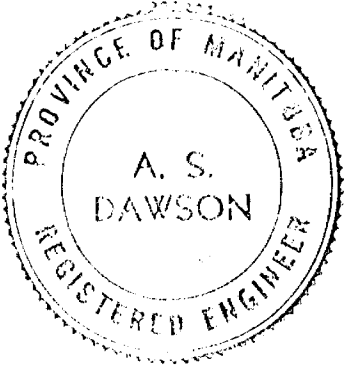
K✓	K✓	K✓	K✓	K✓	K✓	K✓
36420	36419	36418	36812	36811	36810	36809
K✓	K✓	K✓		K✓		
36450	36421	36417		36808		
K✓	K✓	K✓				
36451	36452	36416				
K✓	K✓	K✓				
36454	36453	36415				
K✓	K✓	K✓				
36455	36423	36422				

LAKE

K✓	K✓	K✓
36426	36425	36424
K✓	K✓	
36427	36428	
K✓	K✓	
36430	36429	
K✓	K✓	
36431	36432	
K✓	K✓	K✓
36433	36434	36438
K✓	K✓	K✓
36435	36436	36437

K✓	K✓
36413	36414
K✓	K✓
36411	36412
K✓	K✓
36408	36409
K✓	K✓
36406	36407

Magnet Pt.



CLAIM DISPOSITION MAP
 SHOWING PROPERTY OF
 SALEM EXPLORATION LIMITED,
 SHOAL LAKE, KENORA DISTRICT, ONTARIO
 Scale 1" to 40 chains

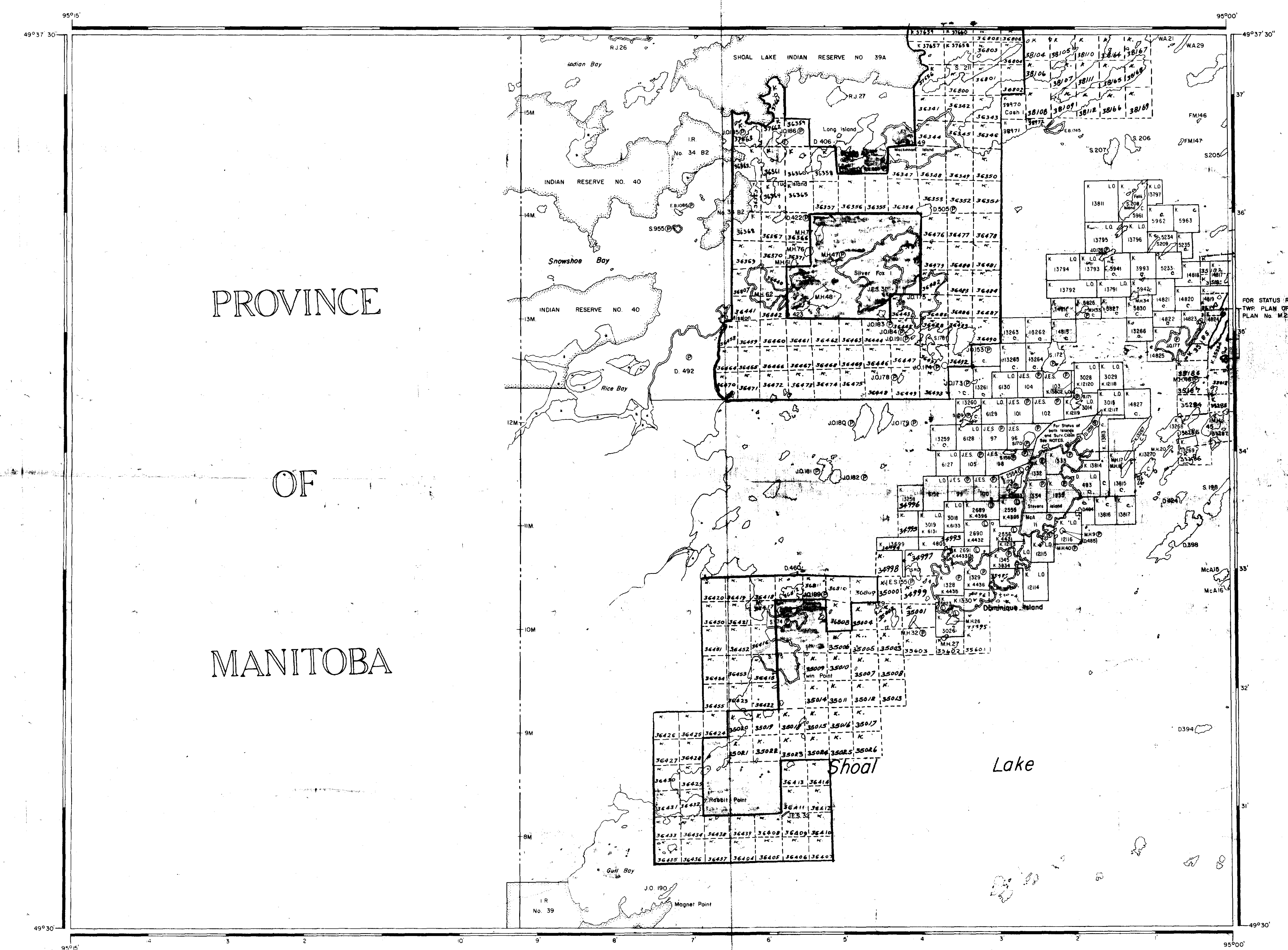
To accompany report by A.S. Dawson, P.Eng.,
 dated September 9, 1966.

405101

SNOWSHOE BAY SHOOT LAKE

405101

TRIM LINE



PROVINCE
OF
MANITOBA

AREA OF
SNOWSHOE BAY
SHOAL LAKE
DISTRICT OF
KENORA
KENORA
MINING DIVISION
SCALE: 1-INCH = 40 CHAINS

LEGEND

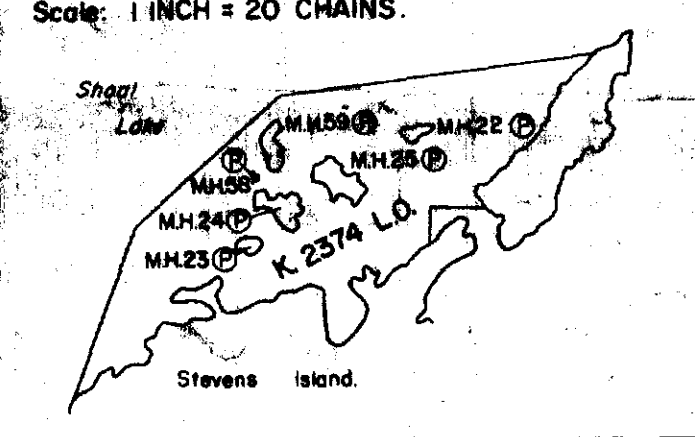
PATENTED LAND	⊙
CROWN LAND SALE	C.S.
LEASES	⊖
LOCATED LAND	LOC.
LICENSE OF OCCUPATION	L.O.
MINING RIGHTS ONLY	M.R.O.
SURFACE RIGHTS ONLY	S.R.O.
ROADS	—
IMPROVED ROADS	—
KING'S HIGHWAYS	—
RAILWAYS	—
POWER LINES	—
MARSH OR MUSKEG	—
MINES	—
CANCELLED	C.

NOTES

400' Reserve around all lakes & rivers to Dept. of Lands & Forests.

Flooding rights reserved up to 1064' above sea level.

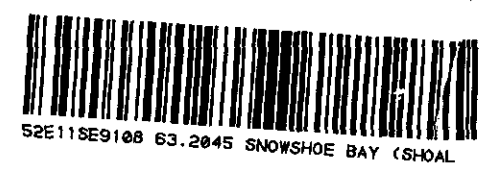
Scale: 1 INCH = 20 CHAINS.



ONT. DEPT. OF MINES
MINING LANDS BR.
THIS MAP FOR CHECKING
PURPOSES ONLY - MUST
NOT BE SOLD.

DATE OF ISSUE
JAN 17 1967
ONTARIO DEPT. OF MINES

PLAN NO. **M.2704**
DEPARTMENT OF MINES
— ONTARIO —



Indian Bay

Snowshoe Bay

PROVINCE OF MANITOBA

M G

7 8 9 10 11 12 13 14 15 16 17 18 19

20 21 22 23 24 25 26 27 28 29

2 3 4 5

15 16 17 18

Magnet Pl. 2 3 4 5 6 7 8 9

A 11 A 12 A 13 A 14 10

LAKE

SHOAL

FORMER DUPONT MINE

OVERLAY SHOWING GEOLOGICAL DATA:

Legend

- F Felsite & quartz porphyry
- G Granite
- Gd Granodiorite
- D Diorite, gabbro, amphibolite
- Gr Greenstone, aplomacrite
- M Massive basic lava, pillow lava, etc.

Sources of information:
 Ontario Dept. of Mines Map No. 30e,
 "Shoal Lake Area" (geological).
 Ontario Dept. of Mines Ann. Rept.,
 1936, Pt. III, map page 44.

John T. ...

DOMINION EXPLORATION SYNDICATE
 WINNIPEG, MANITOBA

Property: **SALEM EXPLORATION LIMITED**

Location: 140 Mining Claims, Shoal Lake, Kenora District, Ontario

Type of Survey: Vertical Flux-Gate Magnetometer

Date: August 30, 1966 Operator: A.S. Dawson, P.Eng.

Scale: 1" to 1320'

Drawn by: A.S.D. & A.M.E.

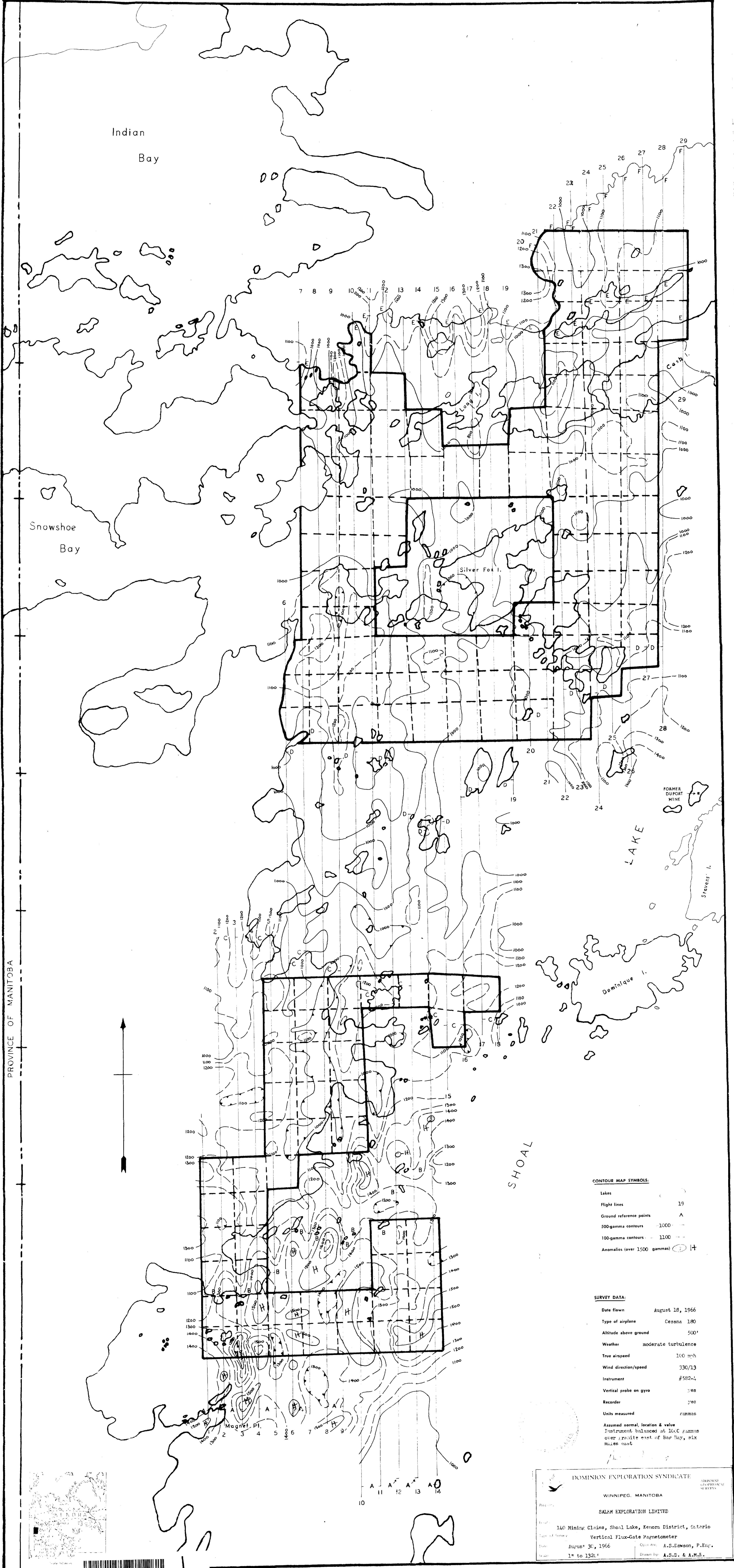


22	900	23	950	24	950	25	975	26	1000	27	1025	28	1050	29	1075
1	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
2	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025
3	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
4	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
5	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125
6	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
7	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
8	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025
9	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
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11	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125
12	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
13	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
14	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025
15	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
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17	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125
18	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
19	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
20	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025
21	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
22	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
23	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125
24	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075
25	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100	1100
26	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025	1025
27	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
28	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150	1150
29	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125	1125
30	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075	1075

OVERLAY SHOWING READINGS:
Readings in gammas, from tape

M. J. Dawson

DOMINION EXPLORATION SYNDICATE		PROPERTY SURVEYS
WINNIPEG, MANITOBA		
Property:	SALEM EXPLORATION LIMITED	
Location:	140 Mining Claims, Shoal Lake, Kenora District, Ontario	
Type of Survey:	Vertical Flux-Gate Magnetometer	
Date:	August 30, 1966	Operator: A.S. Dawson, P.Eng.
Scale:	1" = 1320'	Drawn by: A.S.D. & A.N.R.



CONTOUR MAP SYMBOLS:

Lakes	
Flight lines	19
Ground reference points	A
500-gamma contours	1000
100-gamma contours	1100
Anomalies (over 1500 gammas)	⊕

SURVEY DATA:

Date flown	August 18, 1966
Type of airplane	Cessna 180
Altitude above ground	500'
Weather	moderate turbulence
True airspeed	100 mph
Wind direction/speed	330/13
Instrument	#582-L
Vertical probe on gyro	yes
Recorder	yes
Units measured	gamma

Assumed normal, location & value
Instrument balanced at 10°C 500m over point east of Bar Bay, six miles east

DOMINION EXPLORATION SYNDICATE

WINNIPEG, MANITOBA

SALM EXPLORATION LIMITED

140 Miner Claims, Shoal Lake, Kenora District, Ontario

Vertical Flux-Gate Magnetometer

August 30, 1966

Checked by: A.S. Dawson, P.Eng.
Drawn by: A.S.D. & A.M.E.



52E115E9188 63.245 SNOWSHOE BAY SHOAL