

JAPAN INTERNATIONAL COOPERATION AGENCY
MINISTRY OF RURAL DEVELOPMENT, CAMBODIA

THE STUDY ON GROUNDWATER DEVELOPMENT
IN
SOUTHERN CAMBODIA

FINAL REPORT

DATA BOOK

JANUARY 2002

KOKUSAI KOGYO CO., LTD.

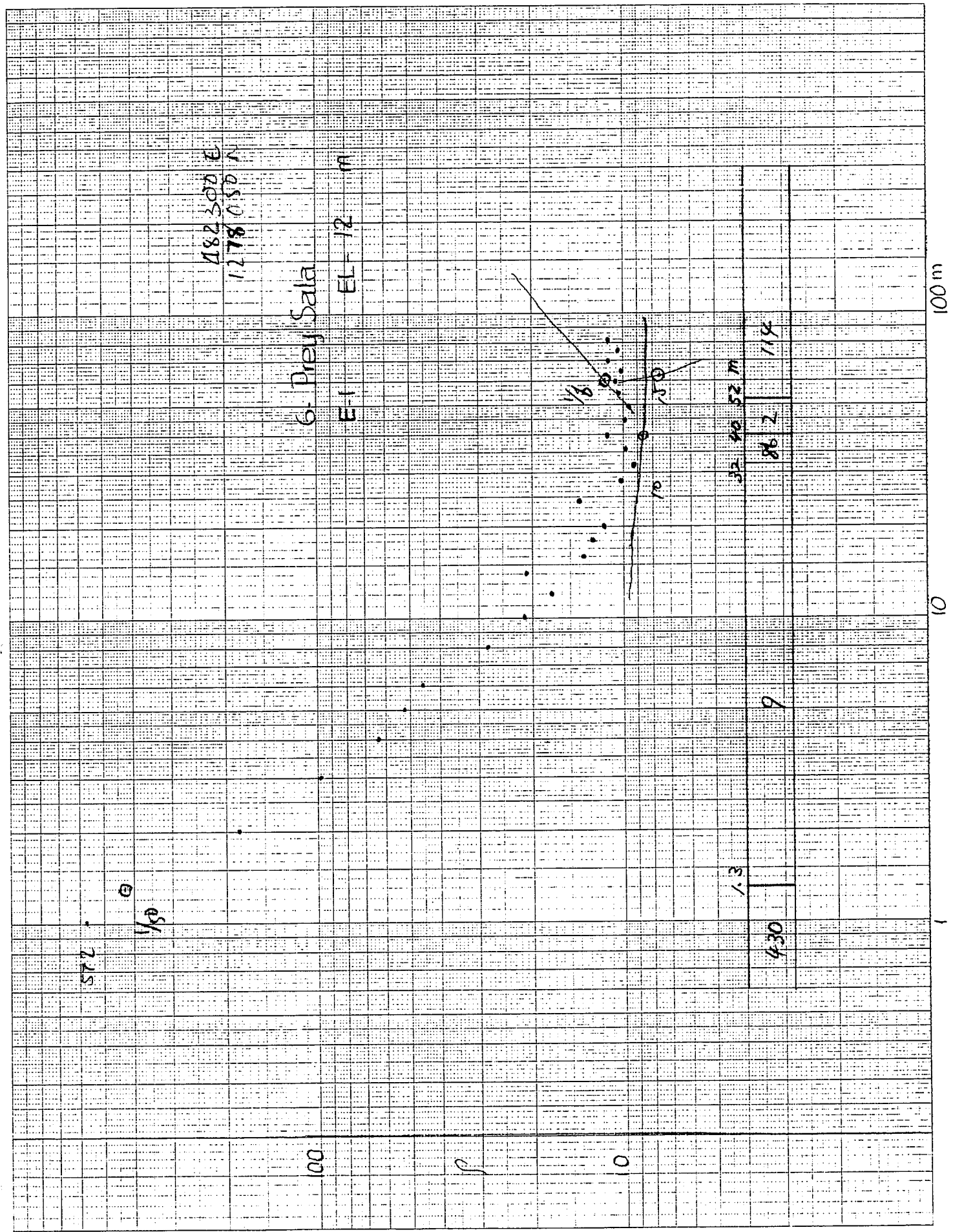
SSS
JR
02-02

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1. Resistivity Data (ρ -a Curve)
2. Resistivity Profile

1. Resistivity Data (ρ -a Curve)

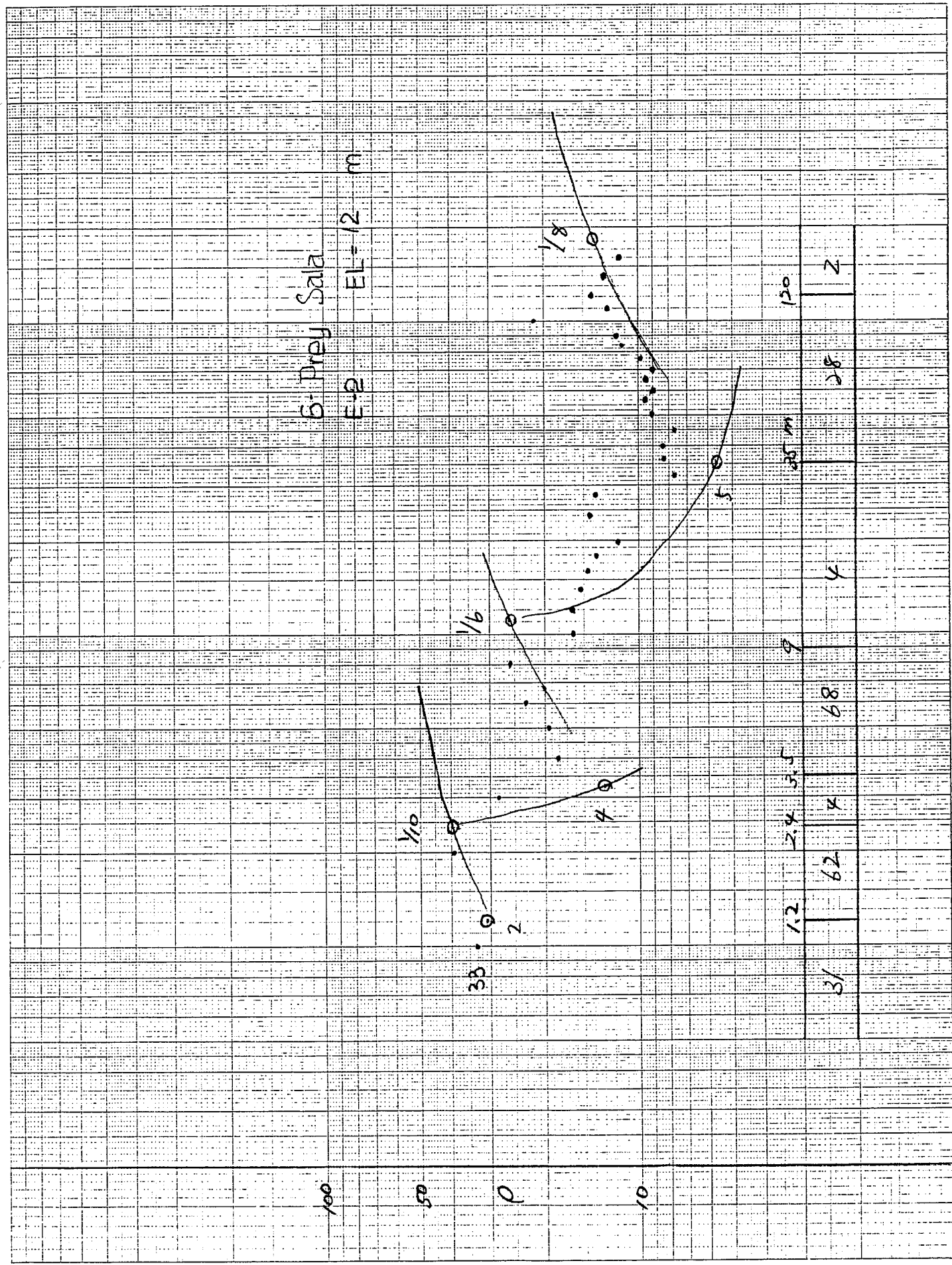
Peri-Urban Area



6-Prey Sala

E-8 EL-12 m

100
50
0
10



6. Pray Sala

m

EL = 12

E 3

106

4

120

100

P

10

1.4

2.3

3.0

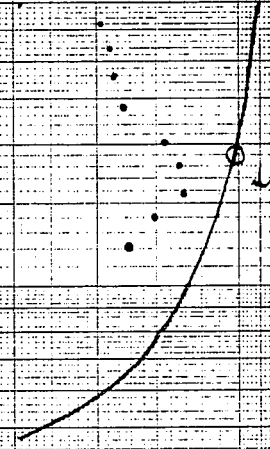
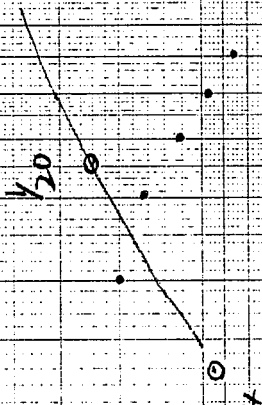
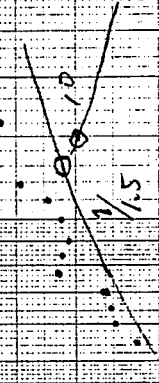
8

17

50

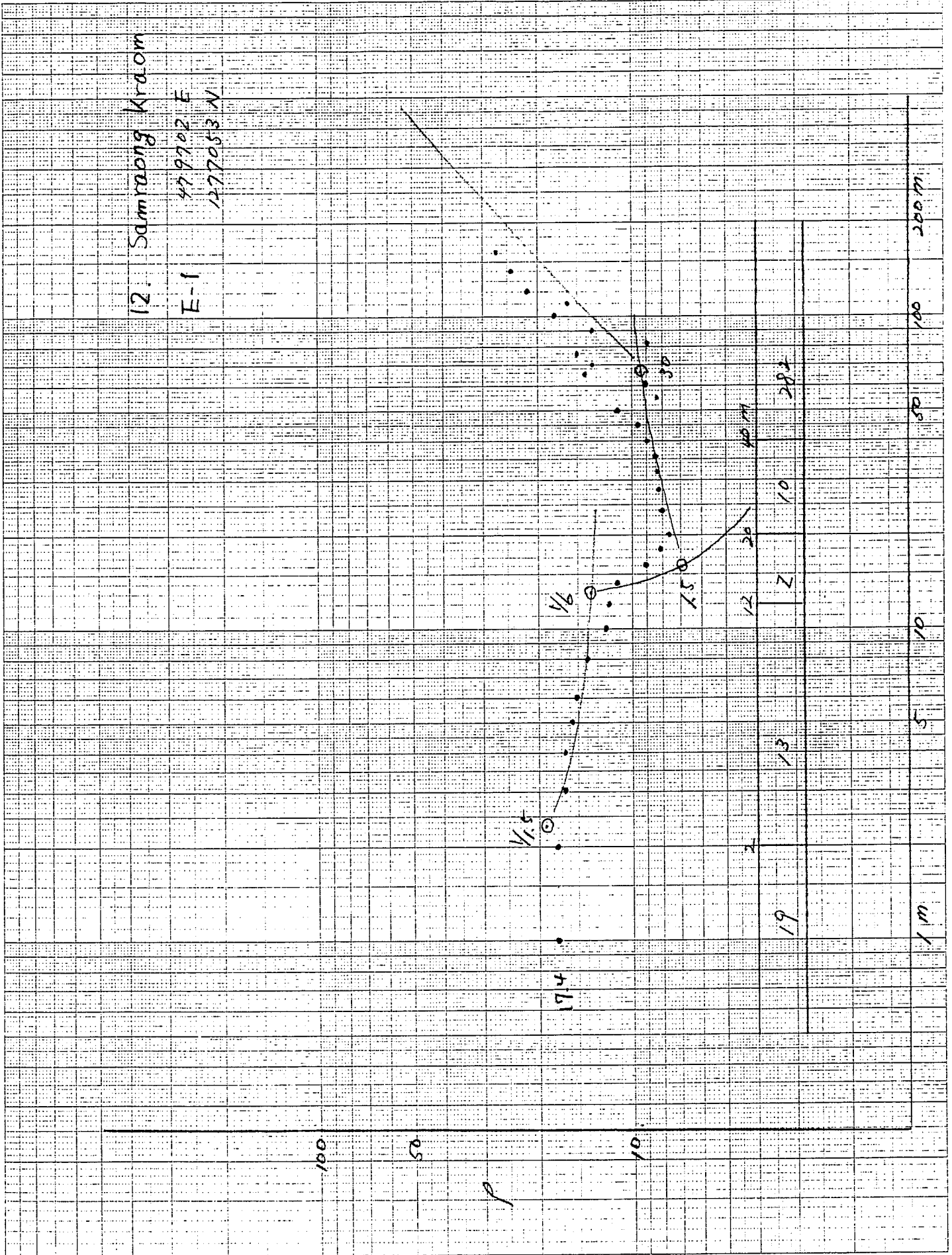
26.26

300



100m

100



12. Samraong Kraom

E-2
479429E
1277646N

100

50

10

P

35
1/3

1/2

1/6

1.5

4

4

50

2

4

12

24

33

56M

14

5

10

4

35

1.6

280

1M

5

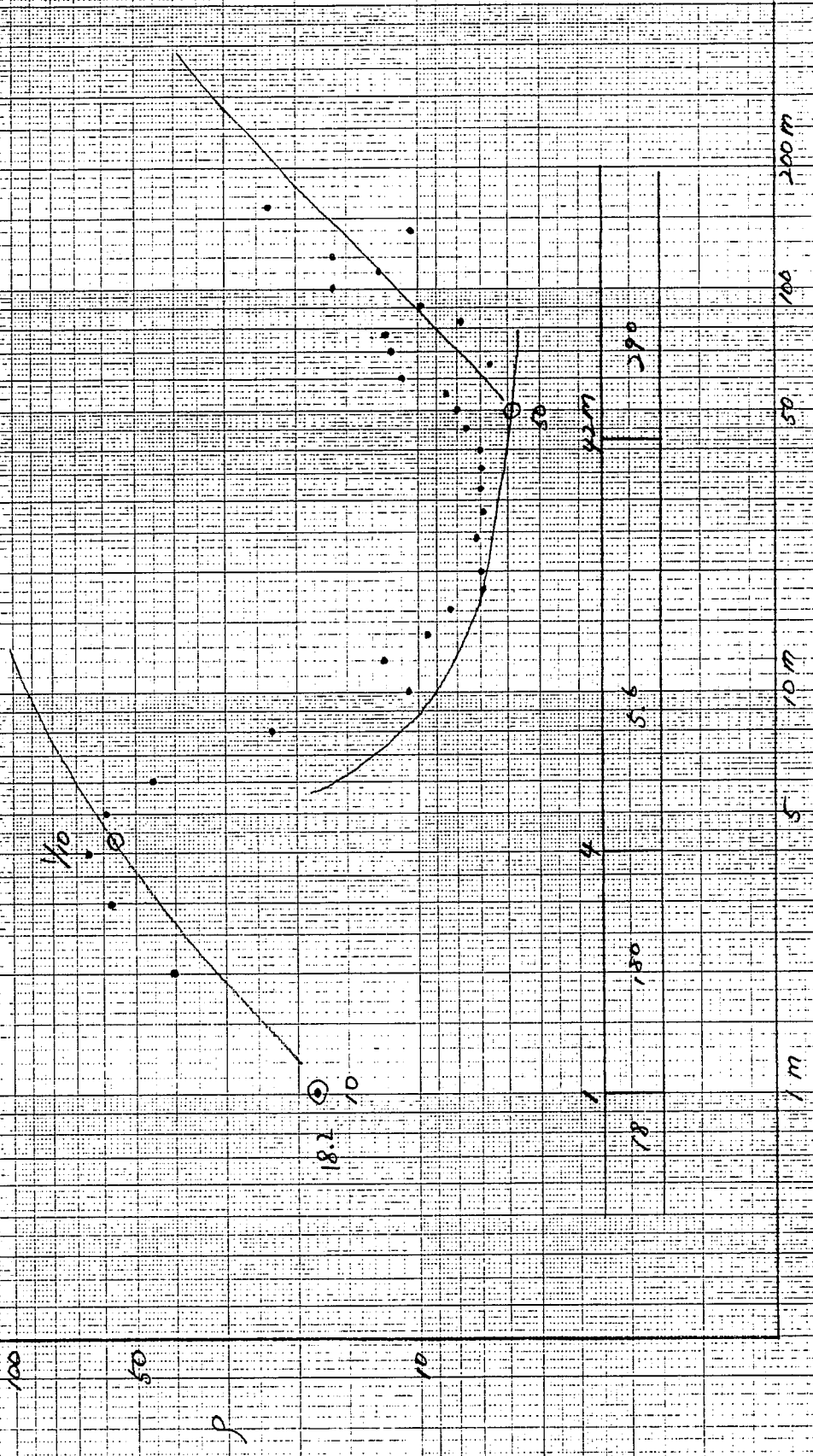
10M

50

100

200M

12 Samraong Kraom
 E-3
 479397 E
 1278752 N



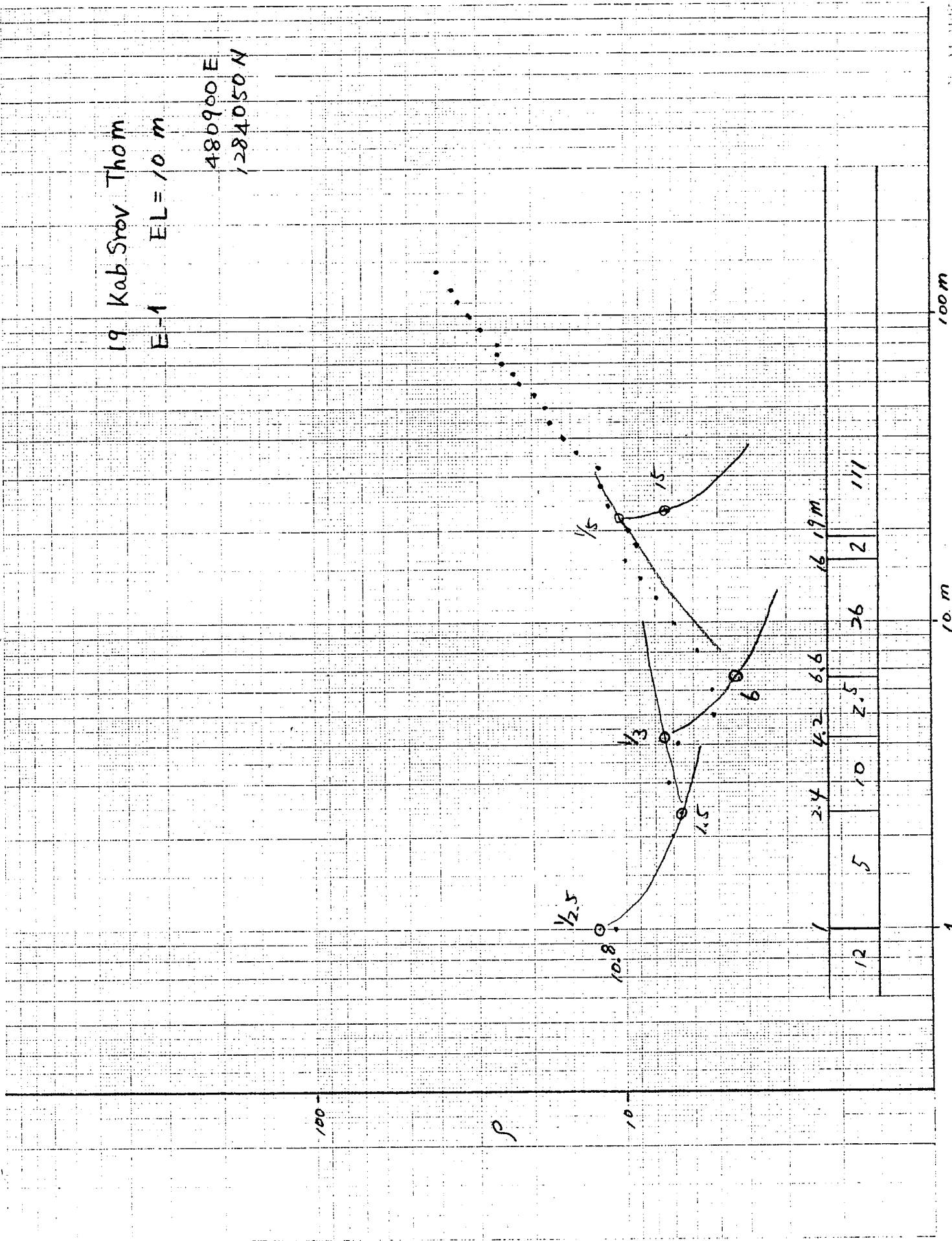
19 Kab Srov Thom

E-1 EL=10 m

480900E

1284050N

Log Log



100 m

10 m

1

100 m

No. A1 1145

FIG. A1 TRAPEZOIDAL CORNER 3 OF 4 LEVEL

19 Kab. Srov Thom
E-2 EL=10 m

100

P

10

1/3

14.6

1/2.5

2.0

1/2.5

0.5

15

1.8 M

1.8 M

24

6

117

17

6

17

5

24

6

117

100 m

10 m

1

1947 ... by ...

19: Kabisov Thom

E3 EL=10 m

100

P

10

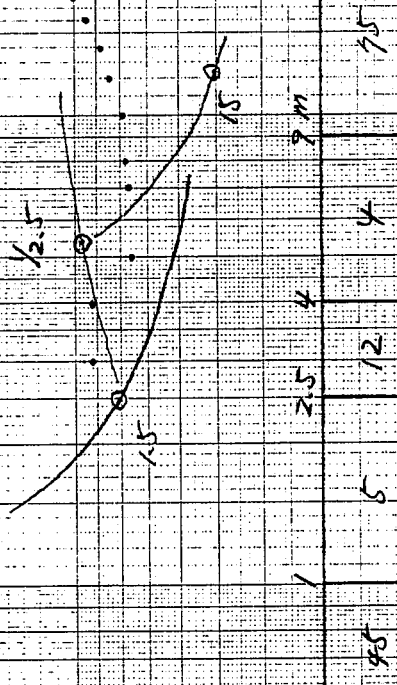
100 m

10

1/4

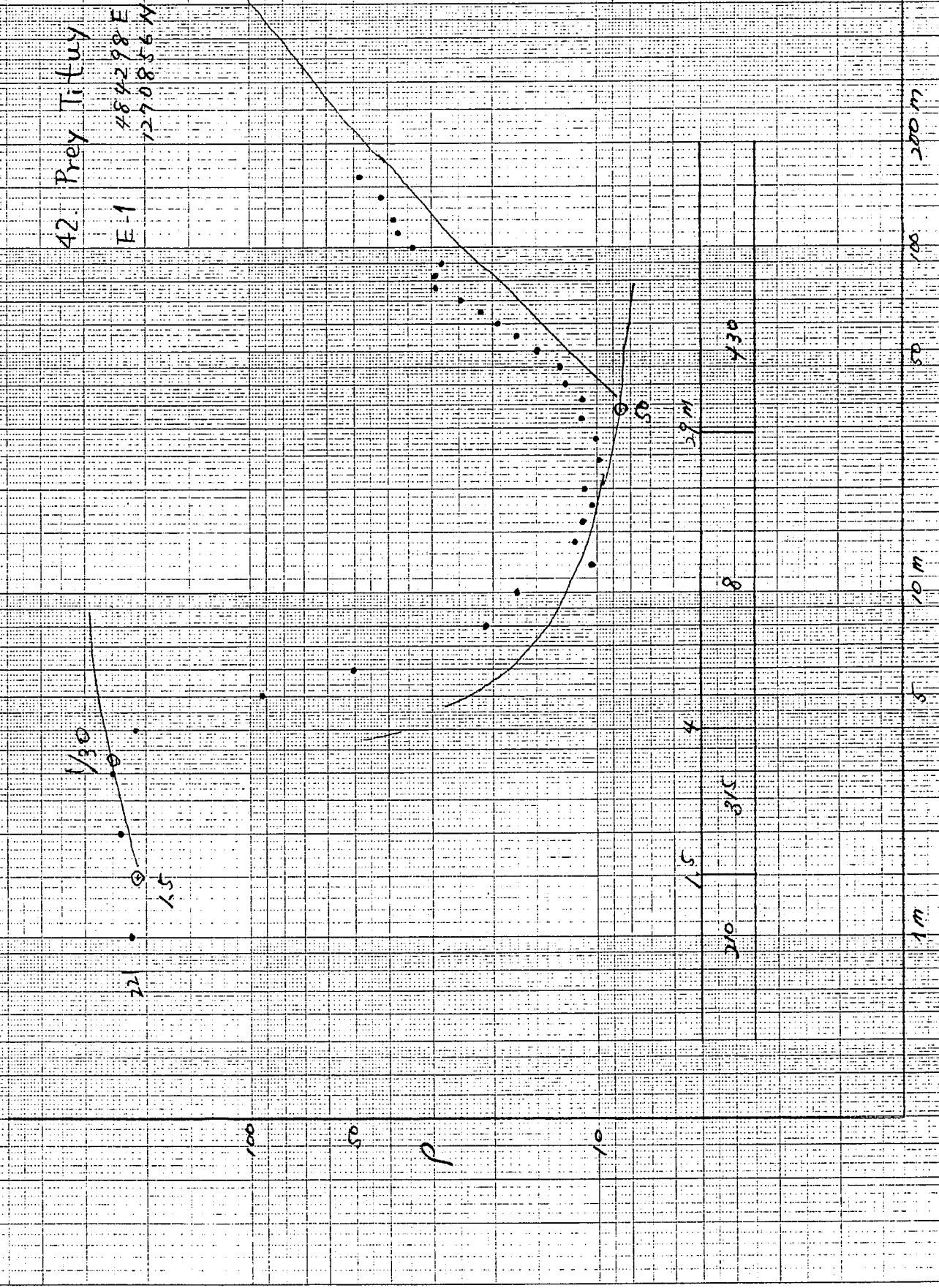
⊙

38.6

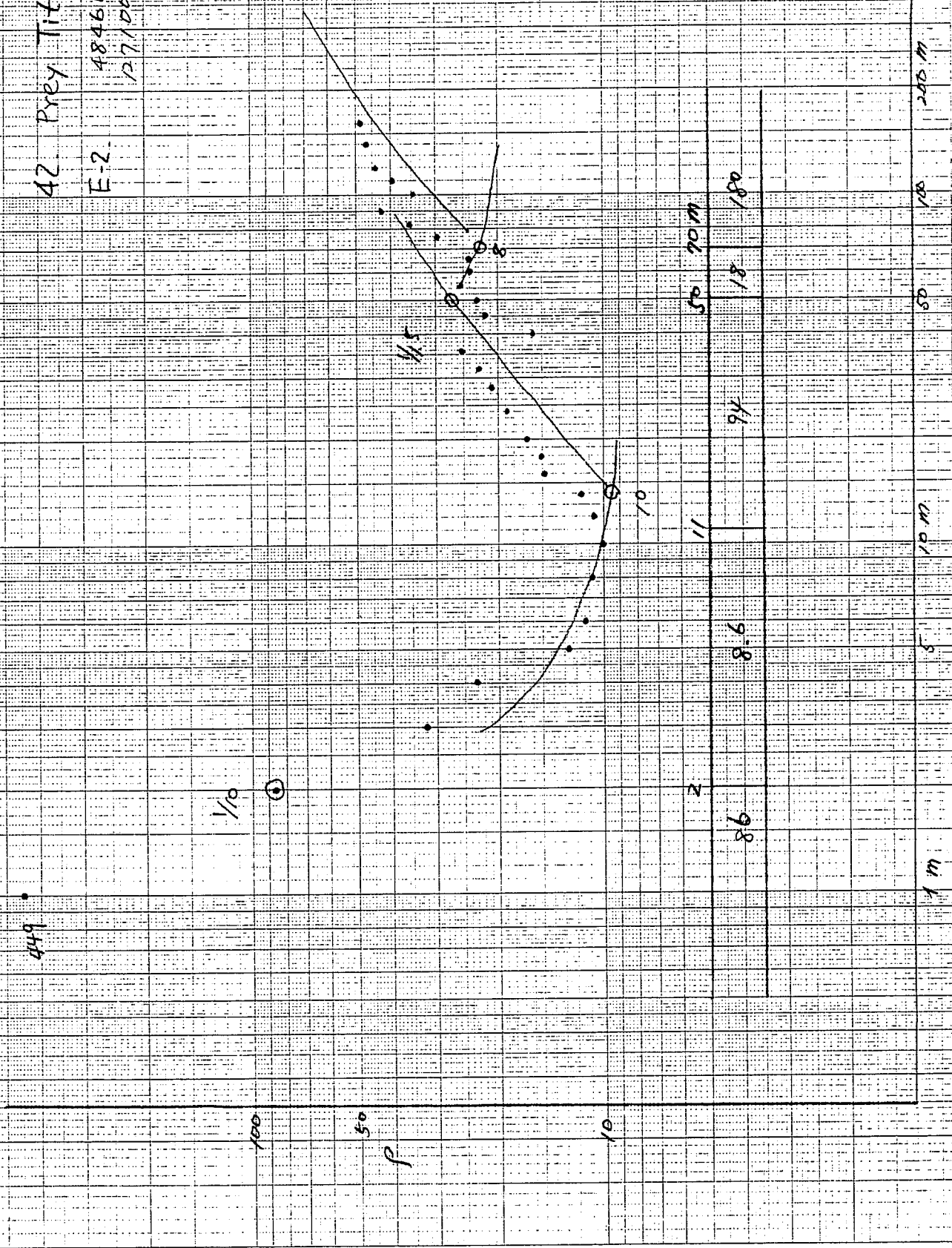


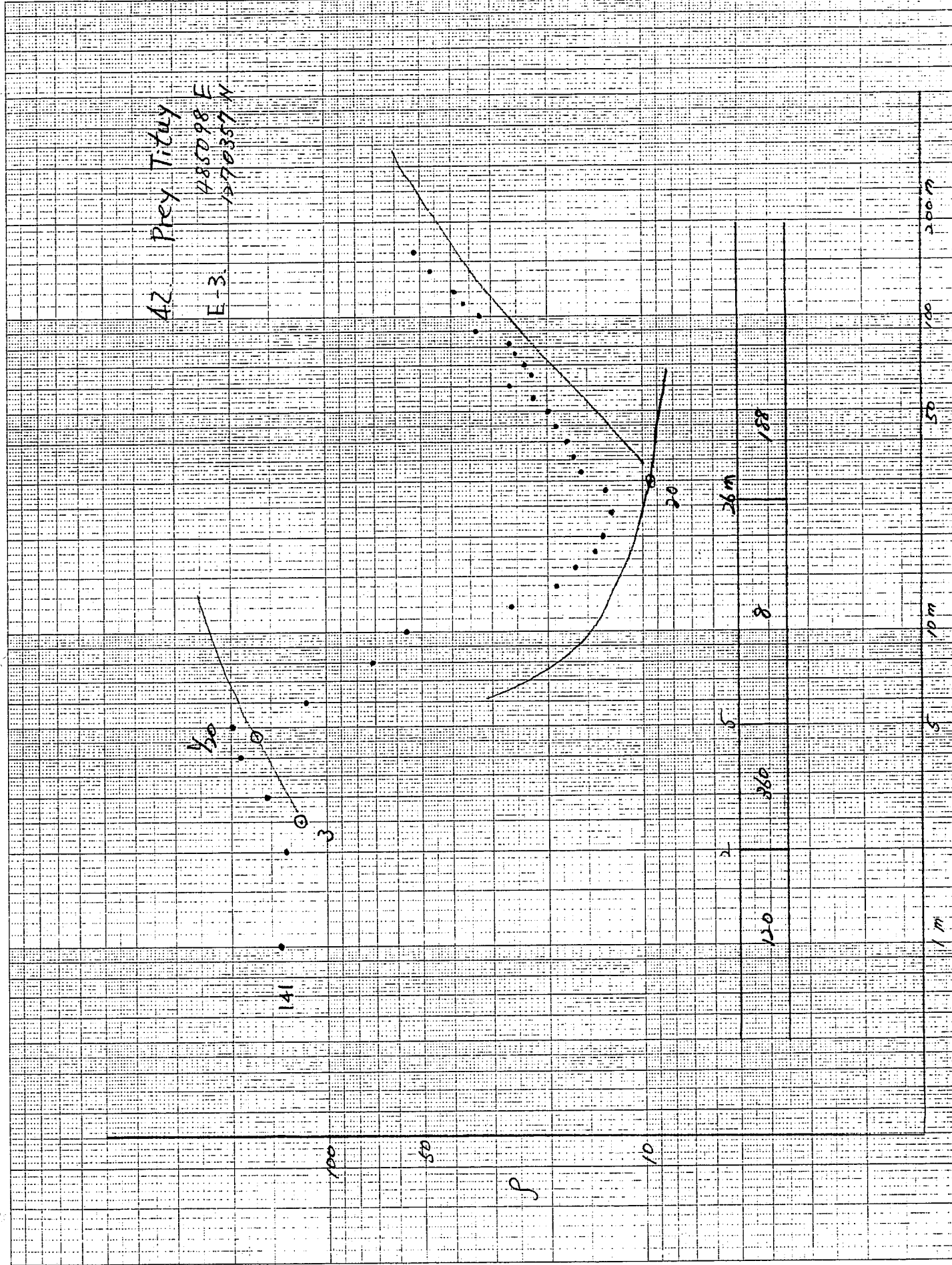
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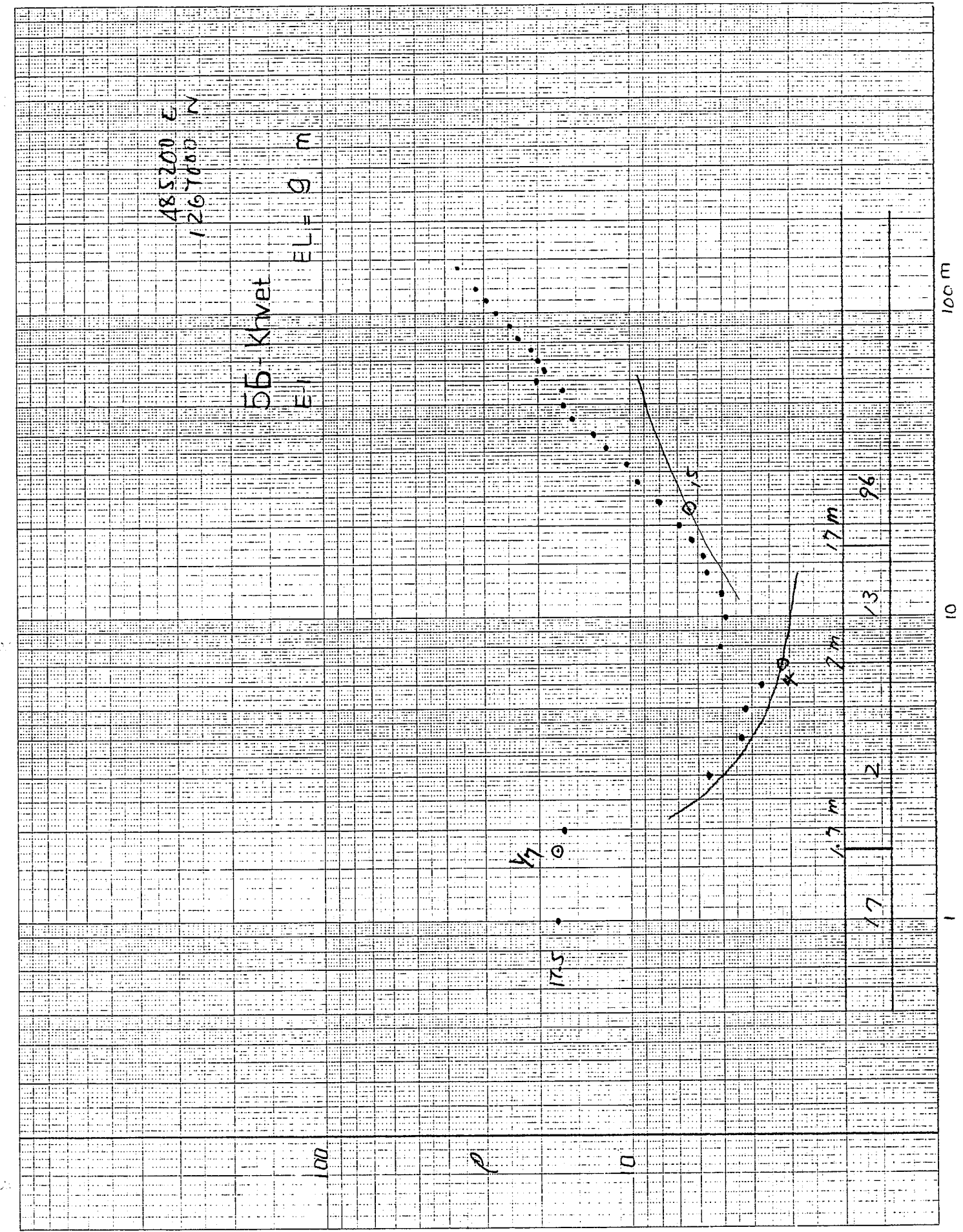
42. Prey Tituy
E-1
#84298E
1270856M

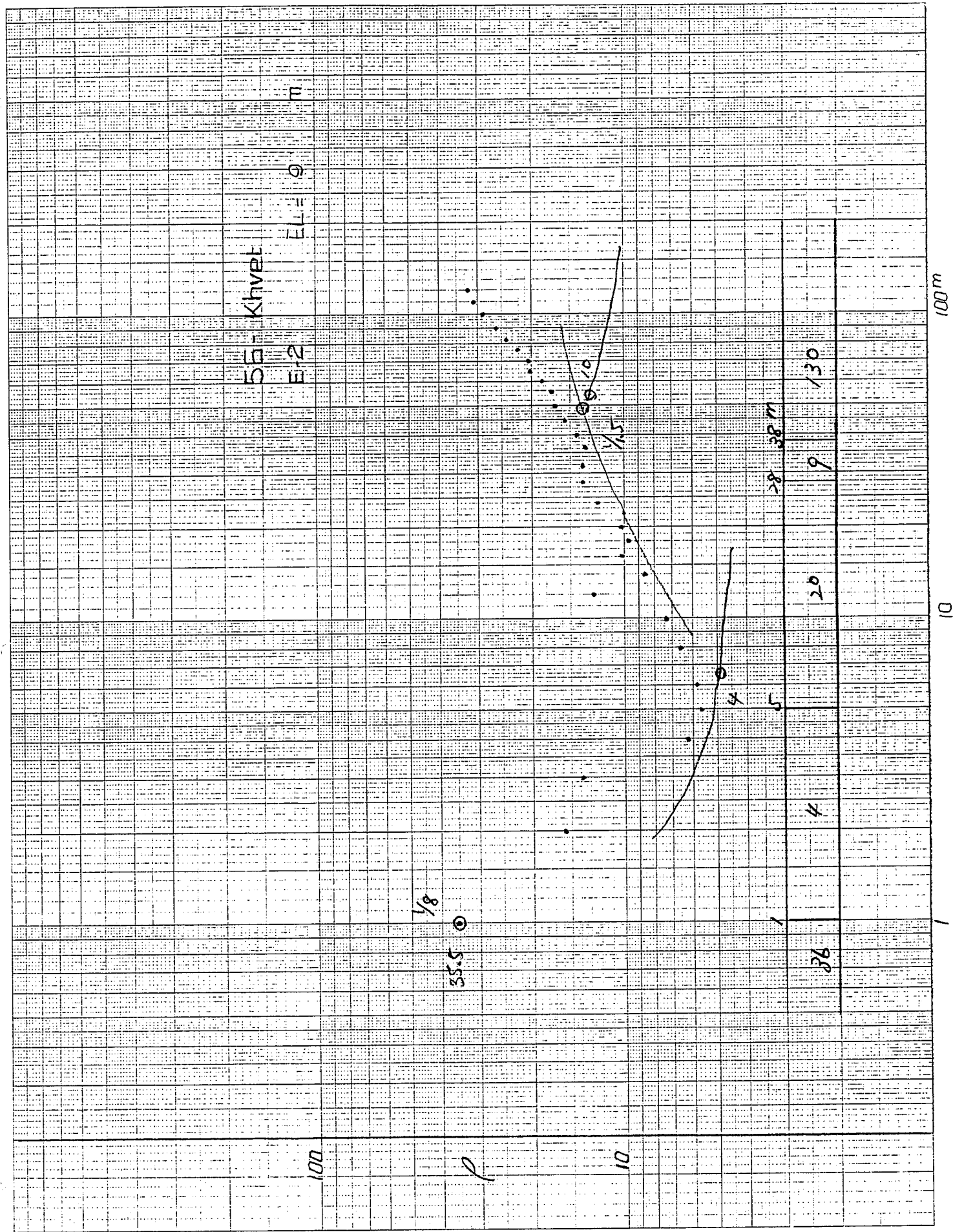


42 Prey Tituy
E-2
484616 E
271006 W

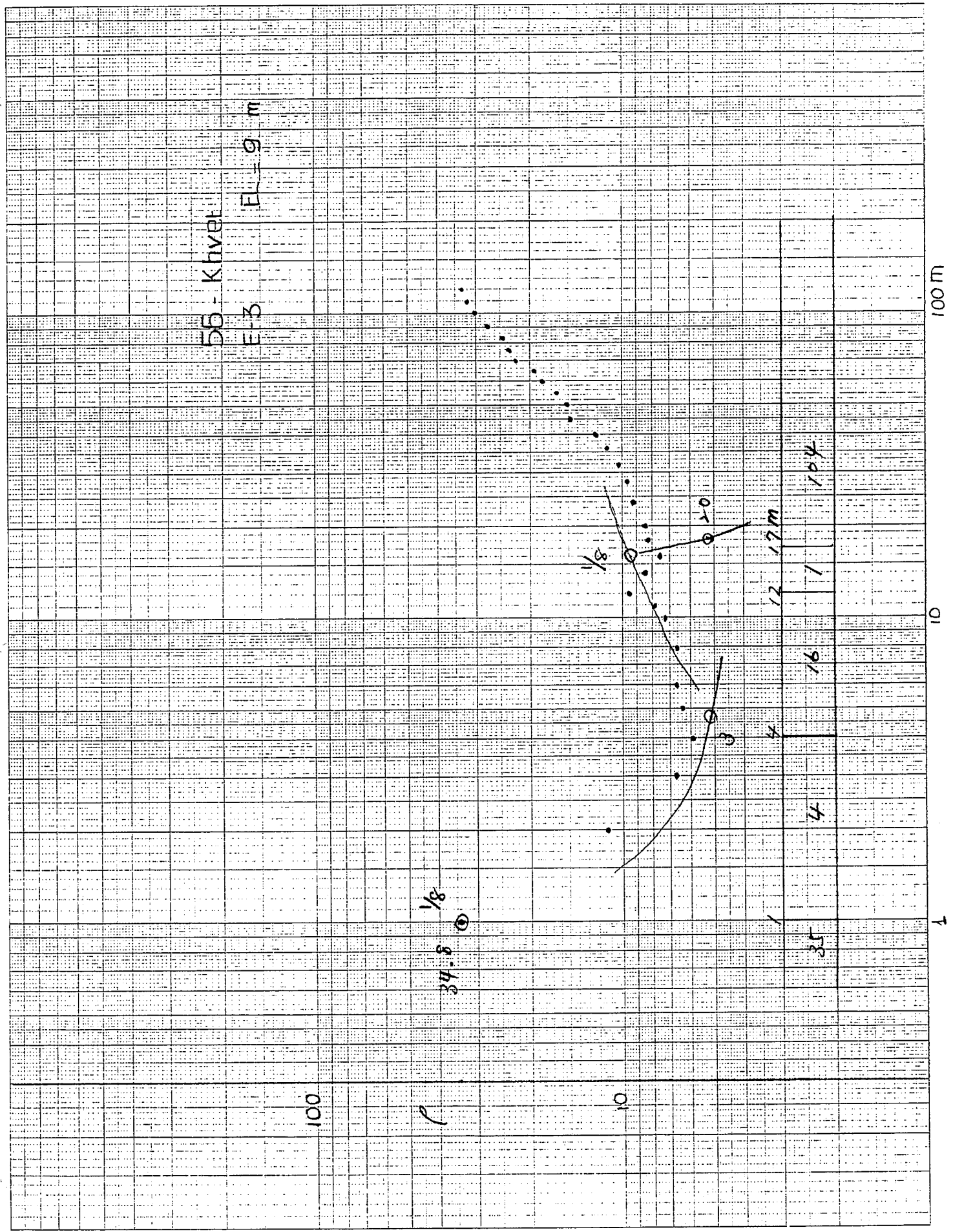


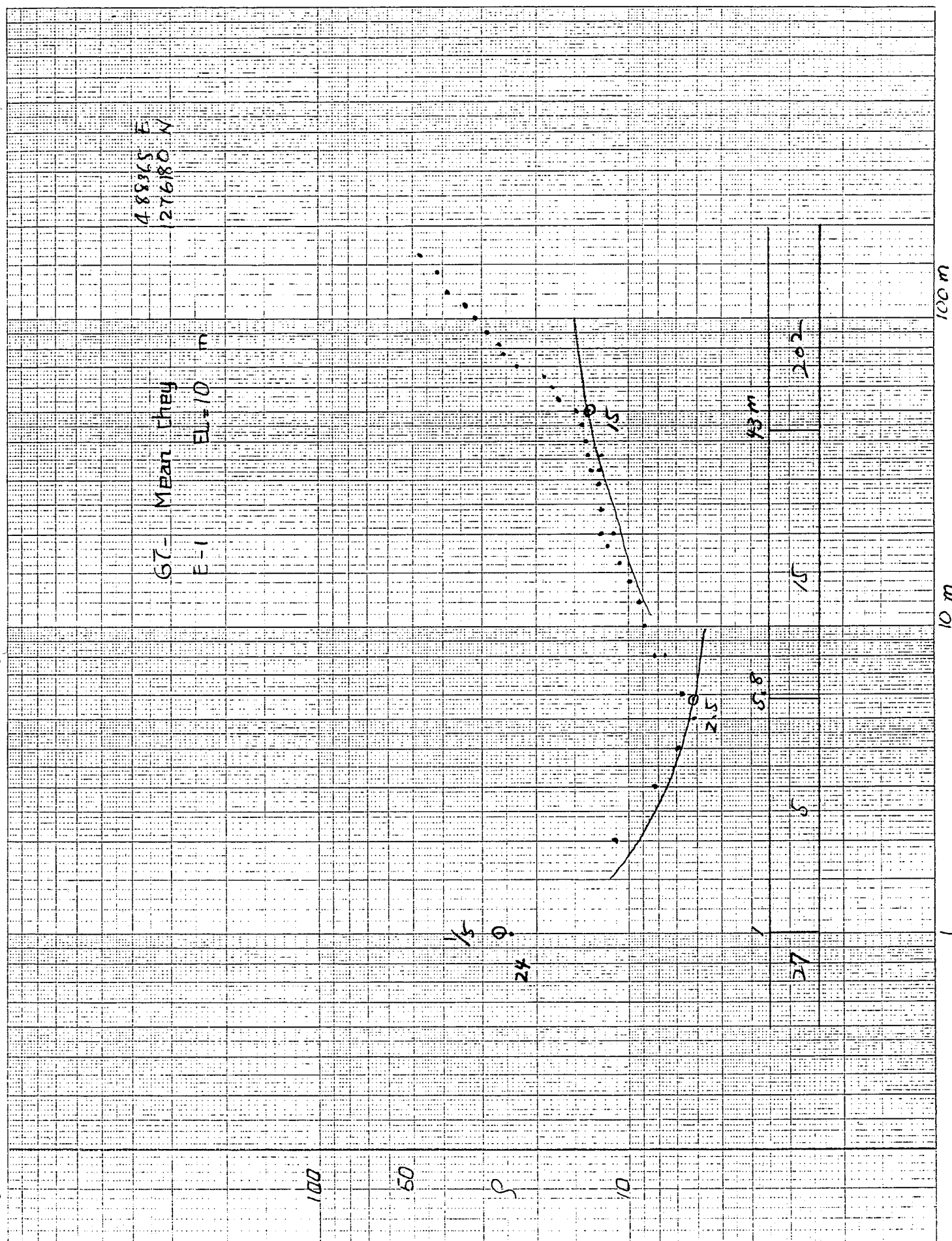


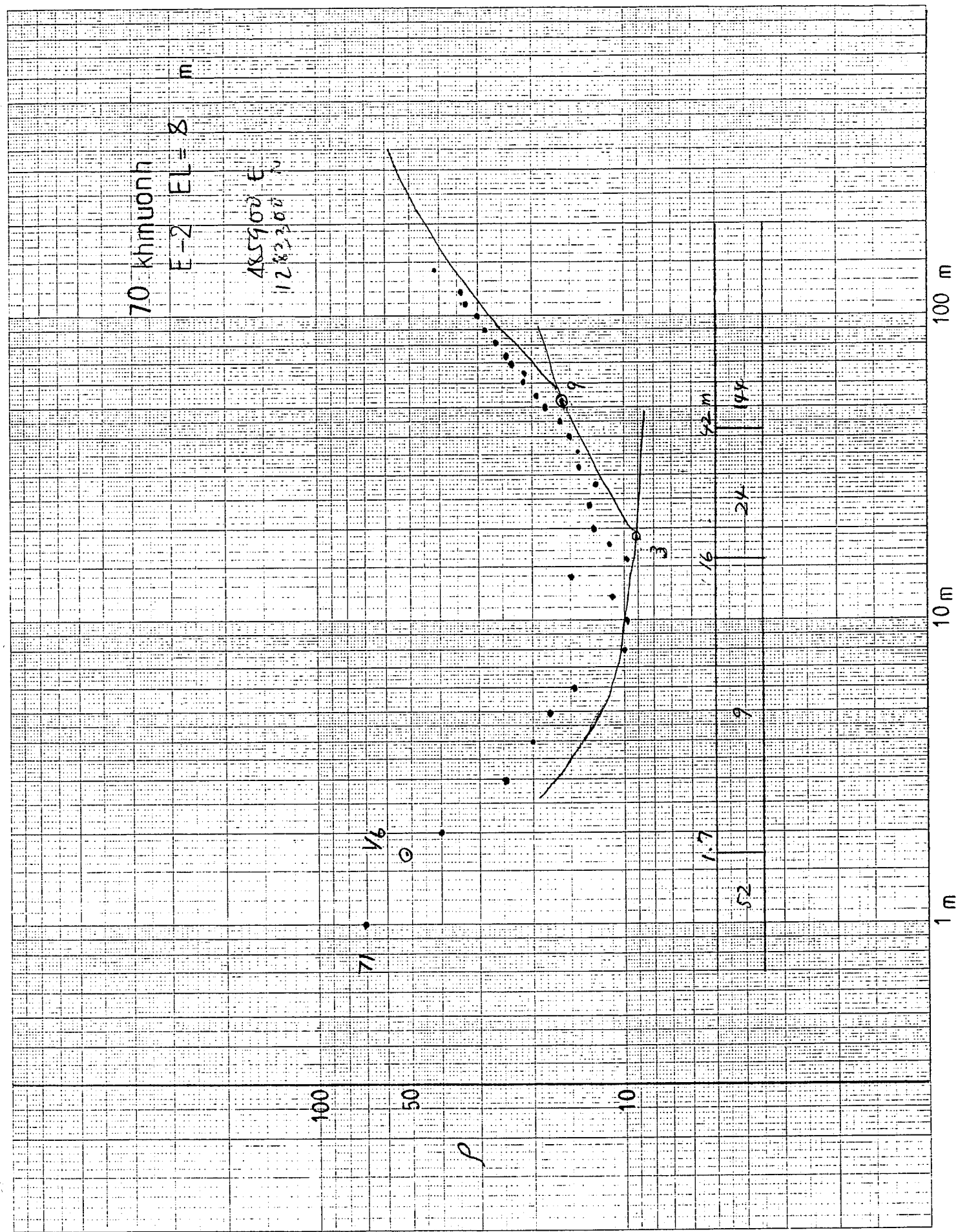


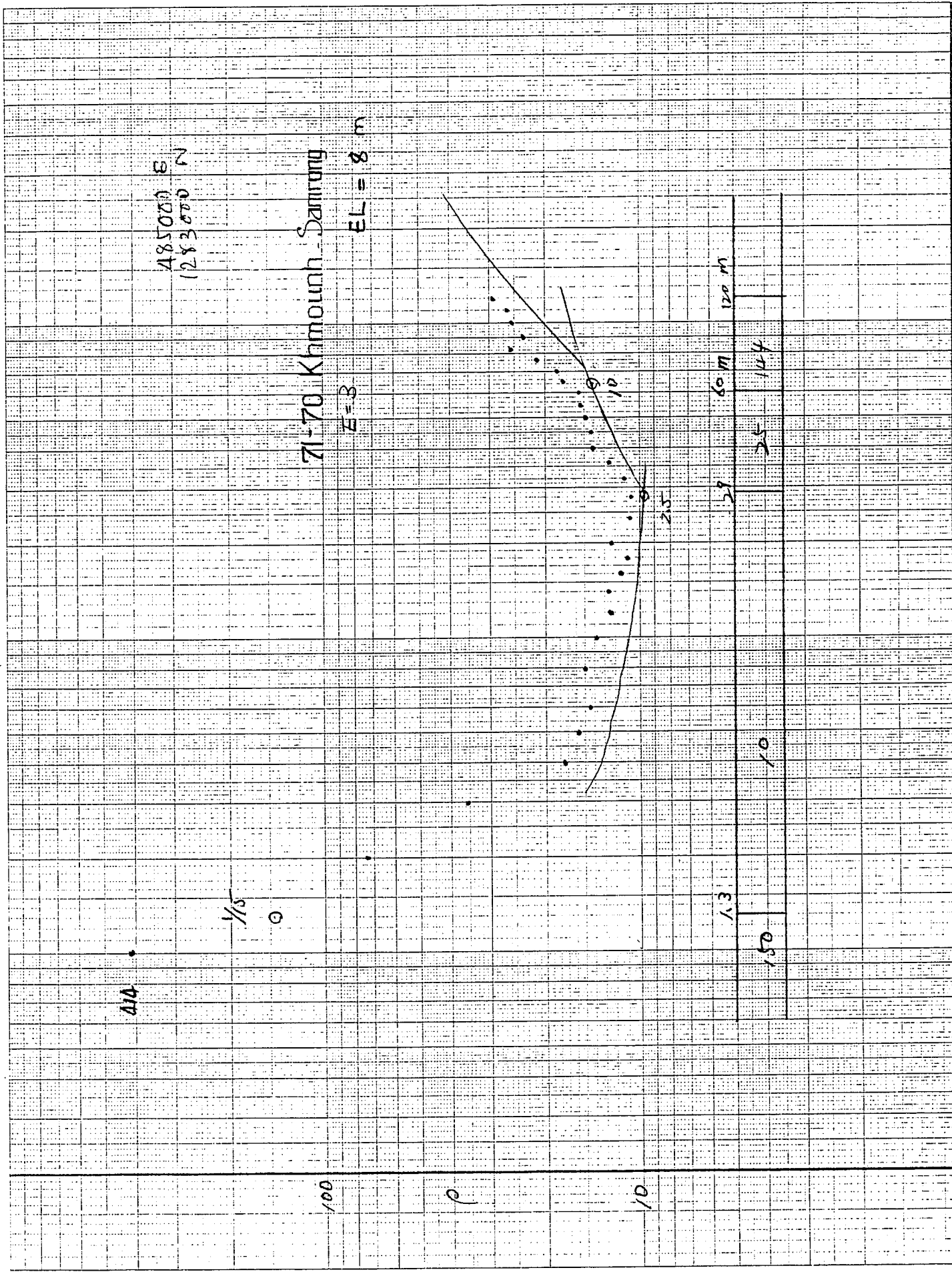


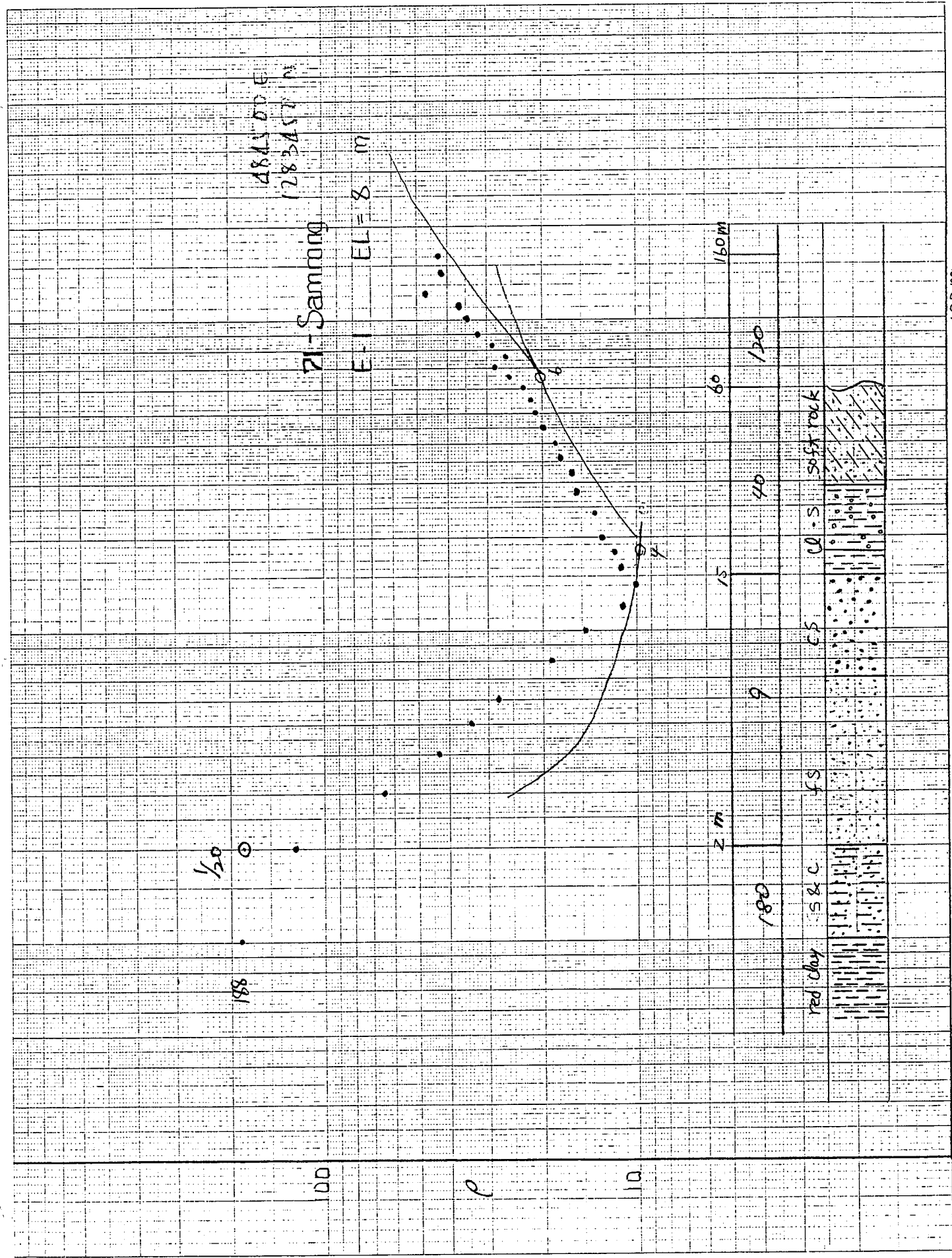
0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9 1.0 1.1 1.2 1.3 1.4 1.5 1.6 1.7 1.8 1.9 2.0 2.1 2.2 2.3 2.4 2.5 2.6 2.7 2.8 2.9 3.0 3.1 3.2 3.3 3.4 3.5 3.6 3.7 3.8 3.9 4.0 4.1 4.2 4.3 4.4 4.5 4.6 4.7 4.8 4.9 5.0 5.1 5.2 5.3 5.4 5.5 5.6 5.7 5.8 5.9 6.0 6.1 6.2 6.3 6.4 6.5 6.6 6.7 6.8 6.9 7.0 7.1 7.2 7.3 7.4 7.5 7.6 7.7 7.8 7.9 8.0 8.1 8.2 8.3 8.4 8.5 8.6 8.7 8.8 8.9 9.0 9.1 9.2 9.3 9.4 9.5 9.6 9.7 9.8 9.9 10.0

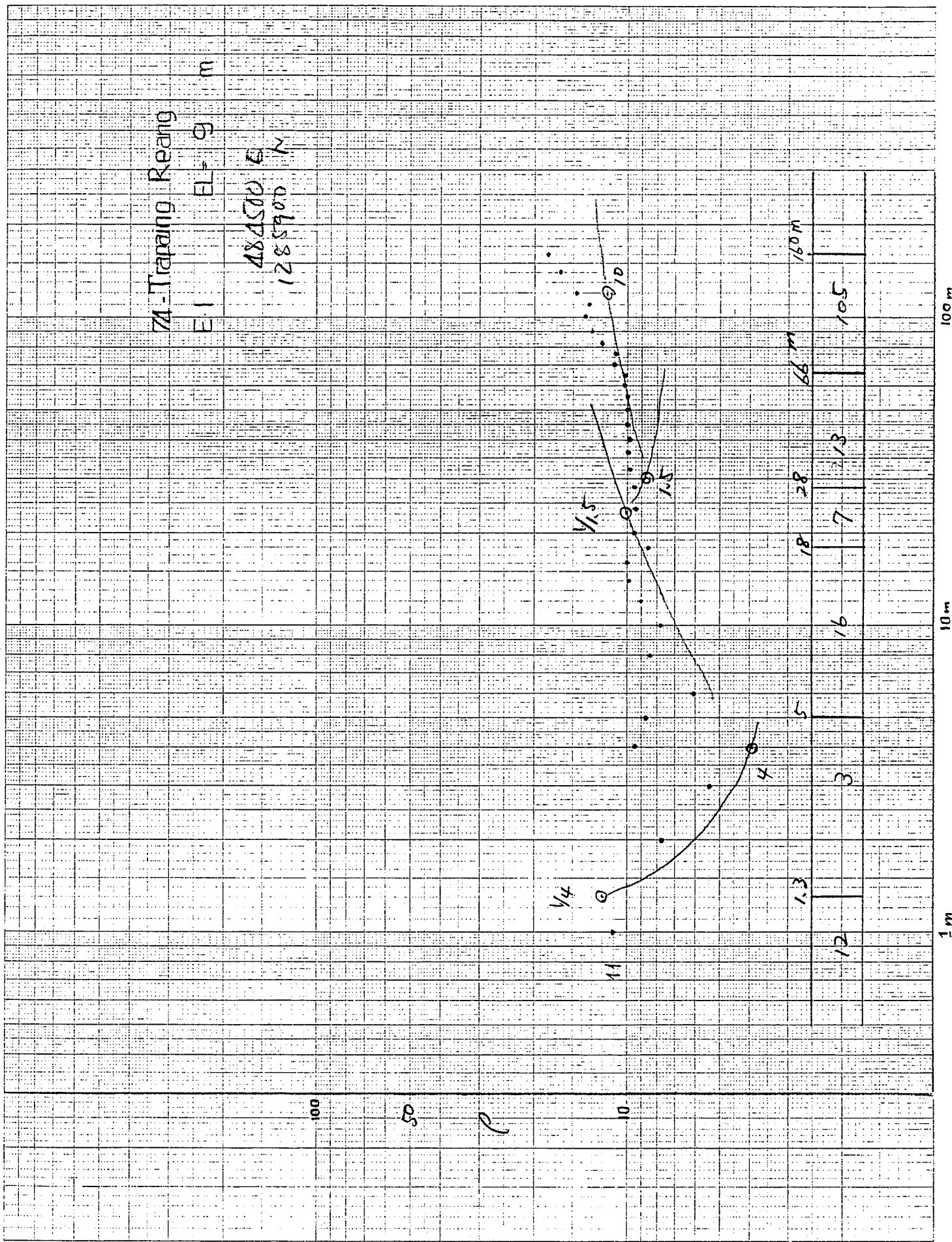






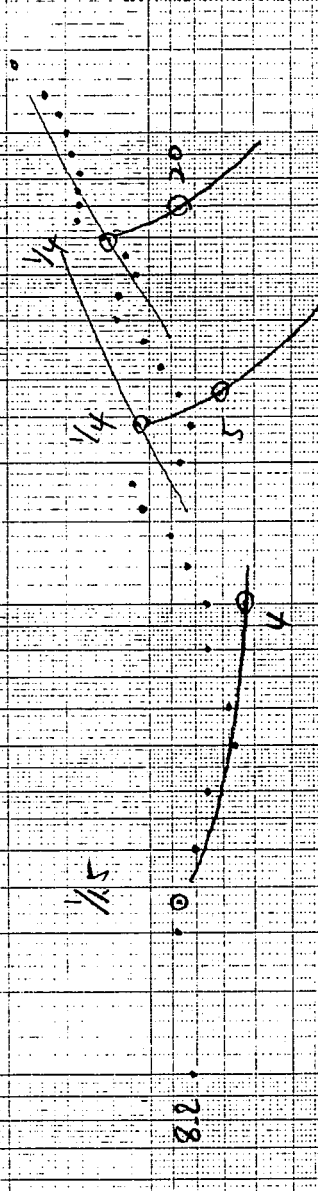






74 Trapping Reang

E 2 EL = 9 m



8.7	2.3	6	6	1.8	2.6	43.50 m	140 m
				2.6	3.5	17.2	

100

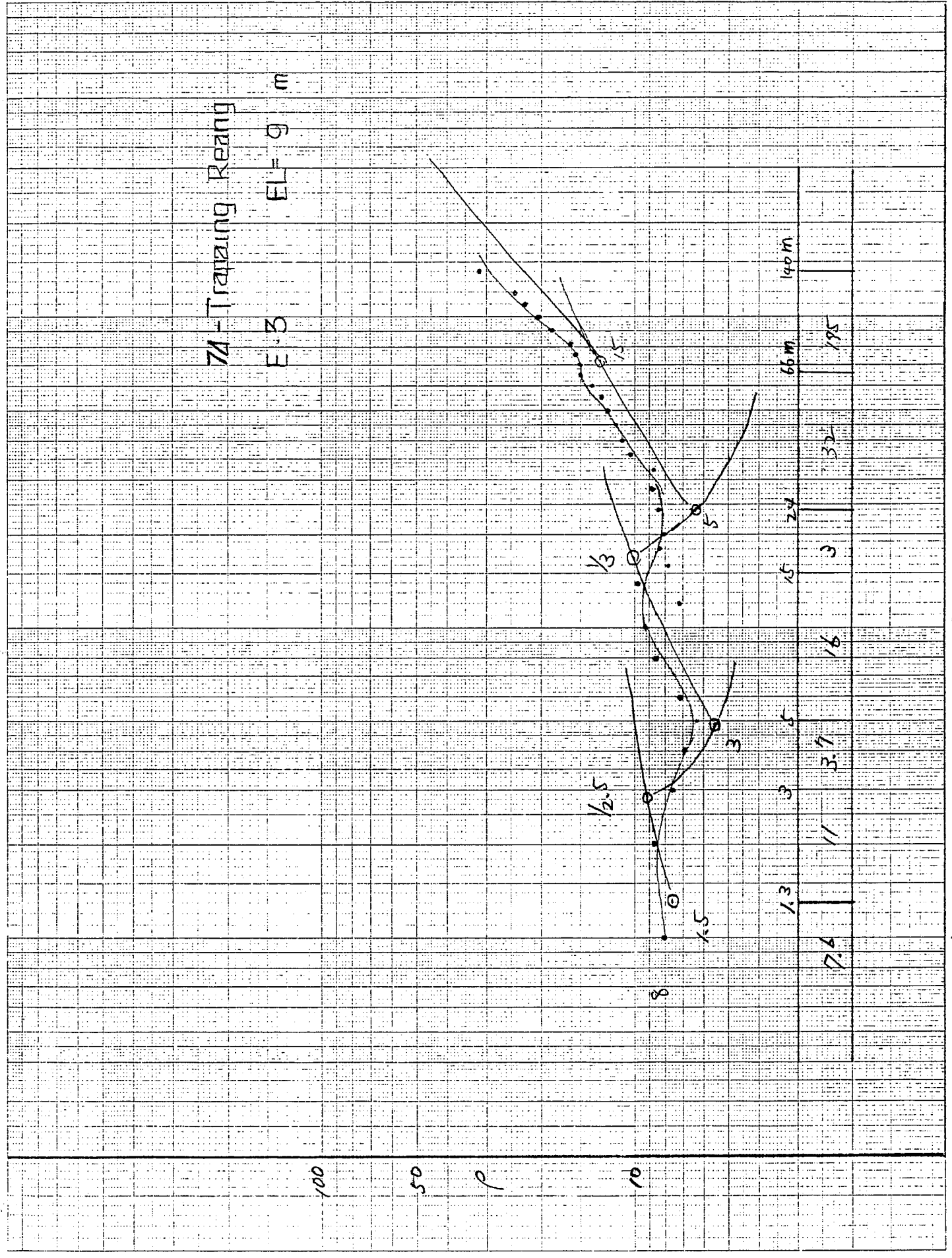
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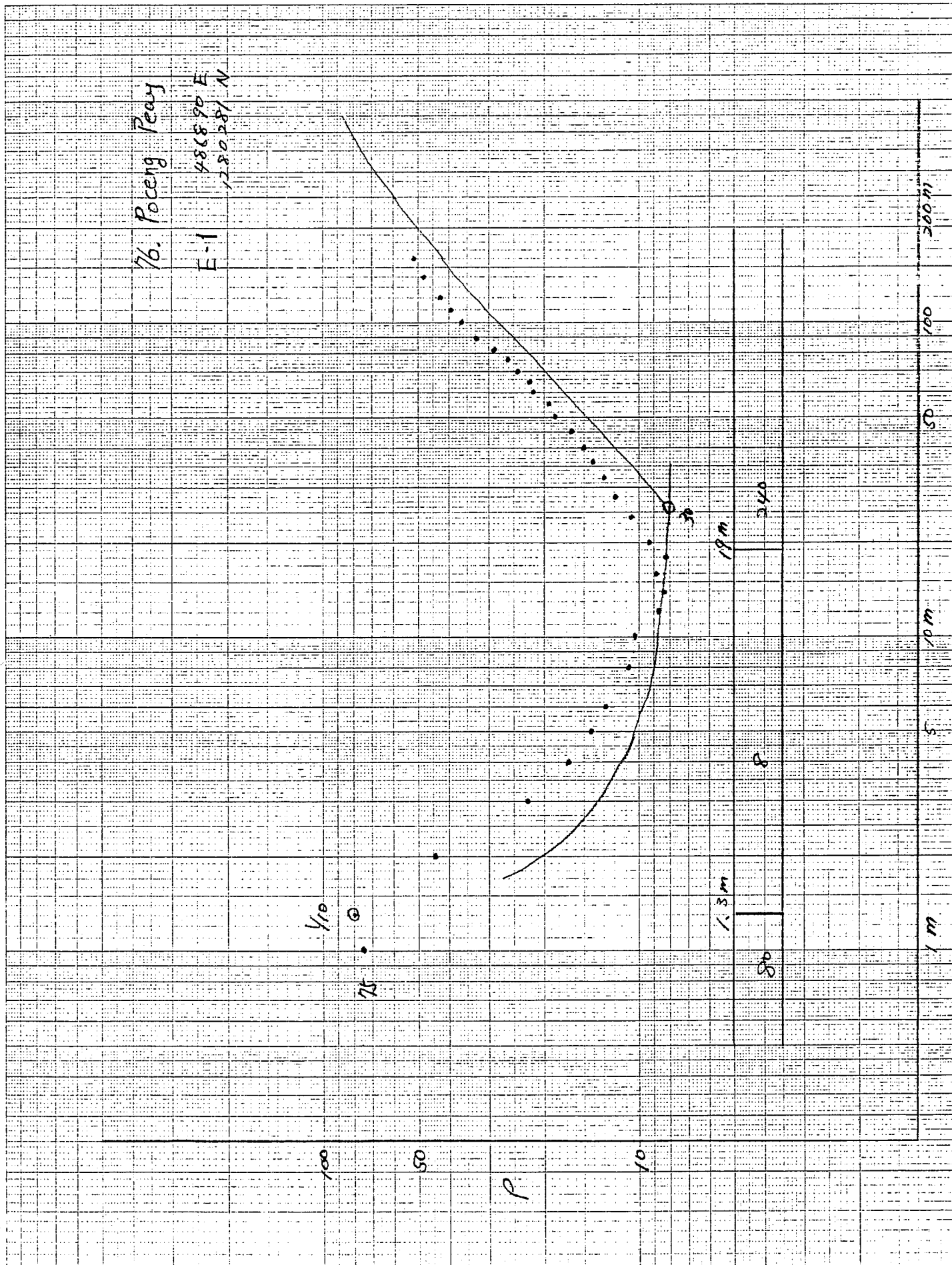
10

1

10

100 m

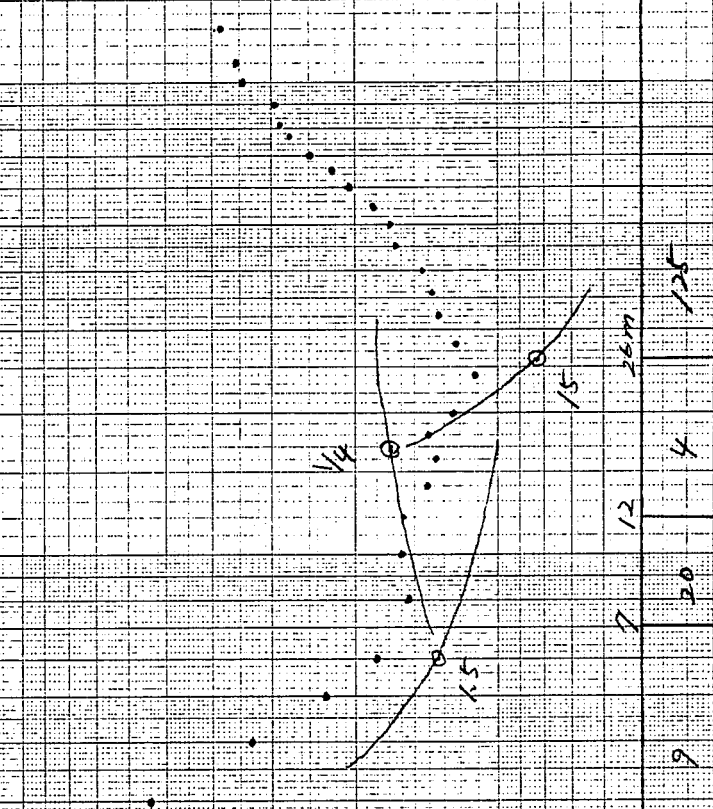




76. Poceng Peay
 E-3
 489107E
 1279599W

100
 75
 50
 10

P



2m
 74
 9
 20
 4
 12
 26m
 125

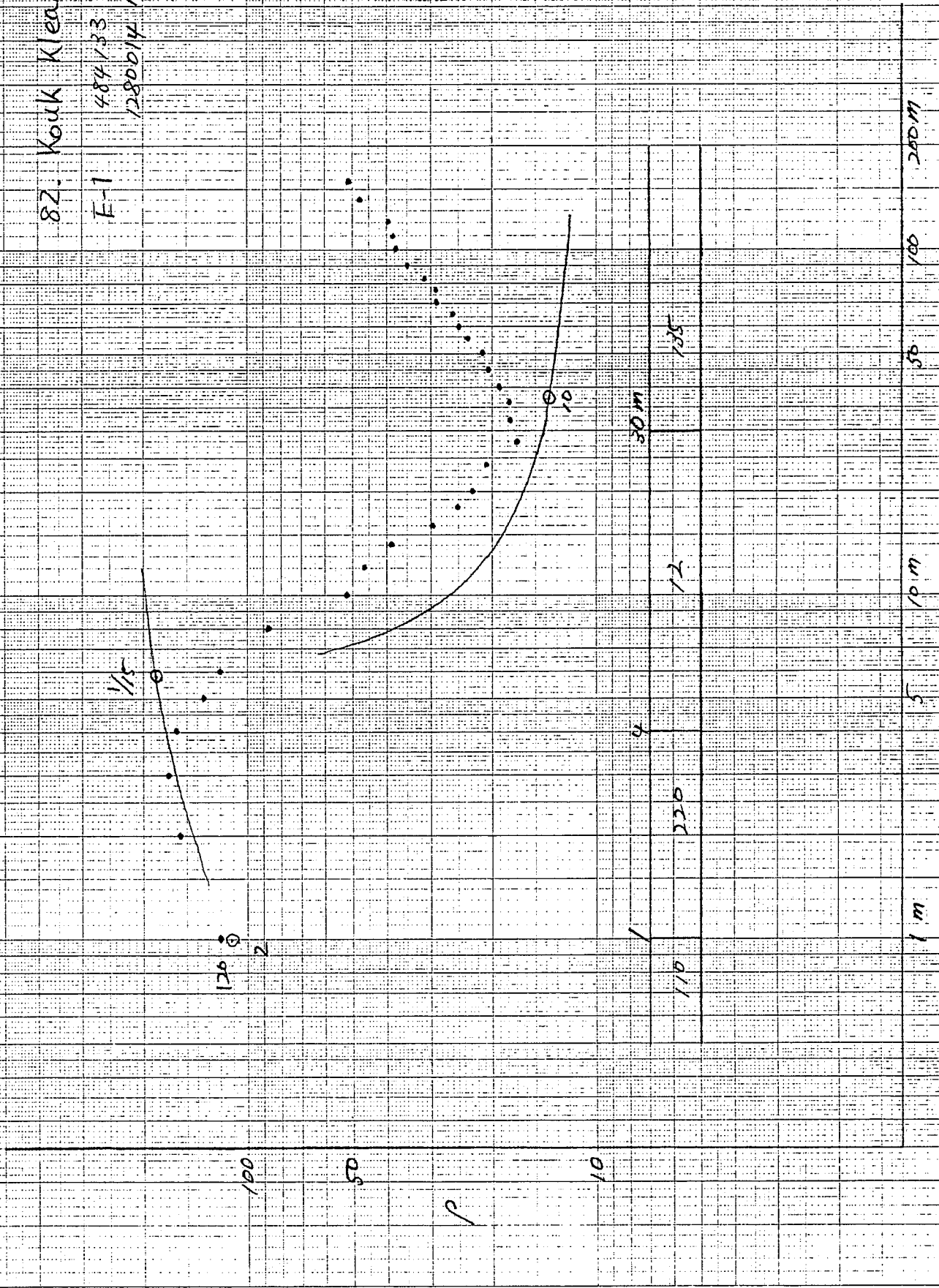
100
 50
 10m
 5
 100m
 200m

82. Kouk Kiang

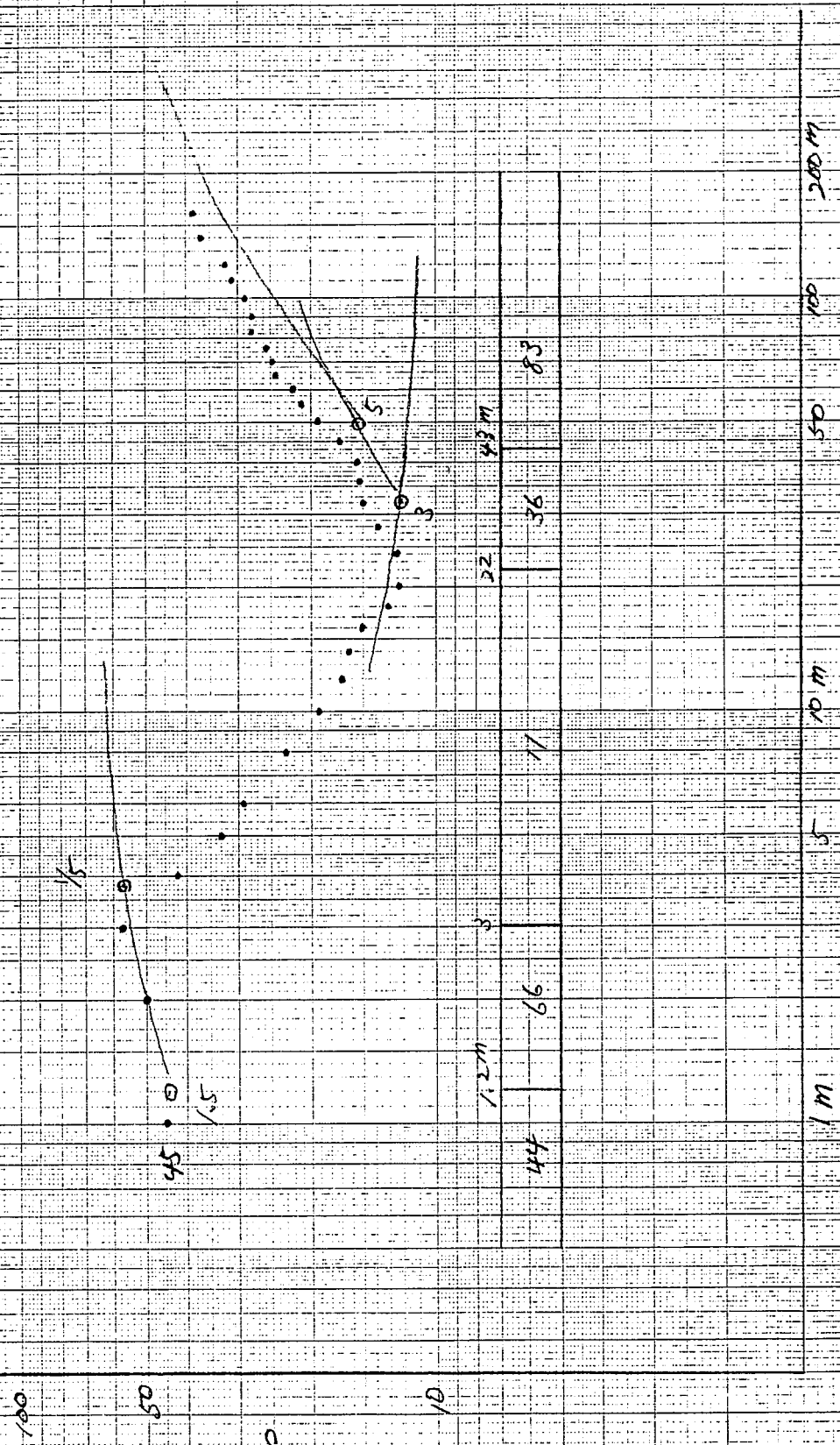
F-1

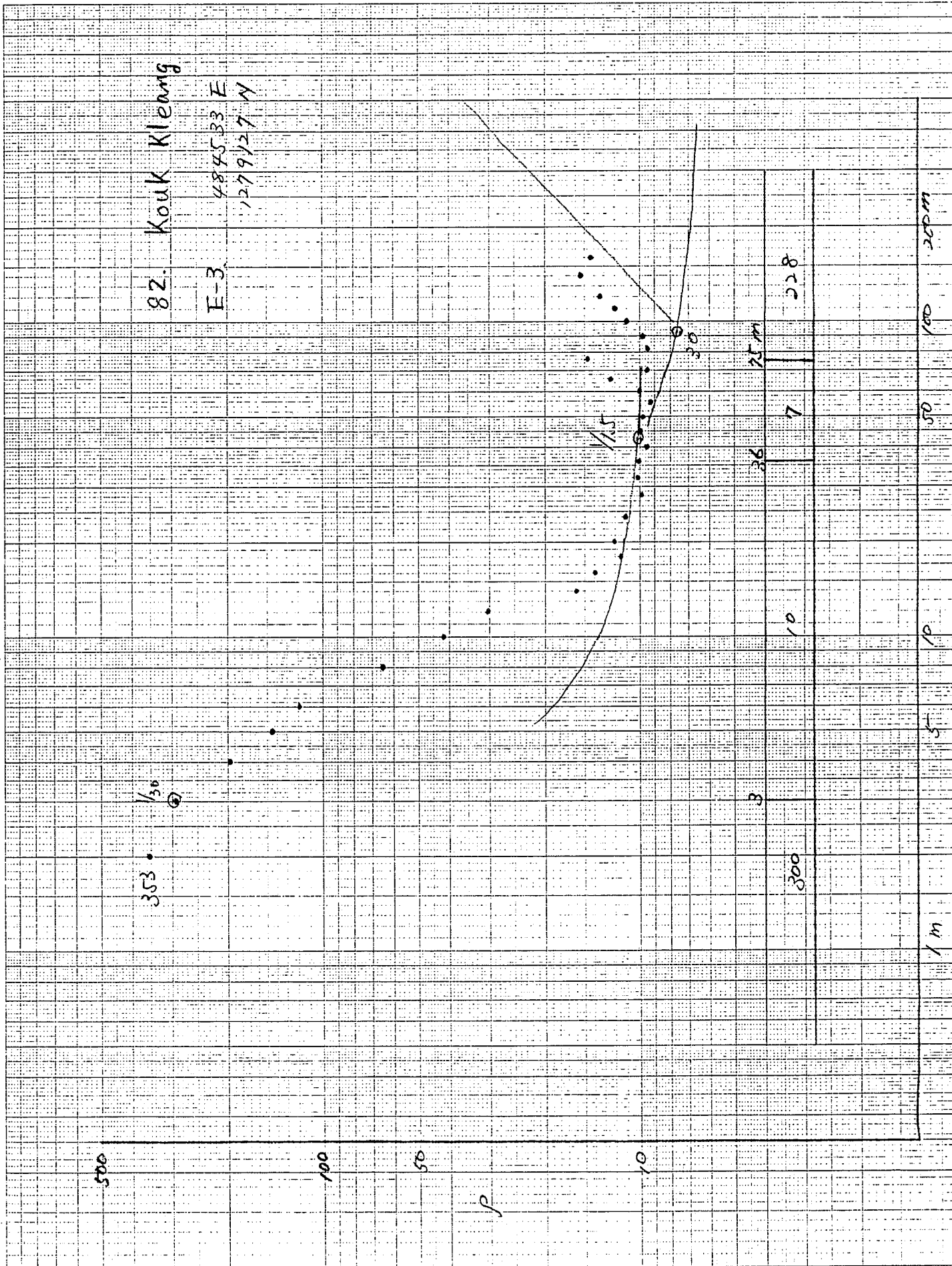
484133 E

1280014 N



82. Kouk Kleang
 E-2, 484734 E
 1279604 N





82. Kouk Kleming

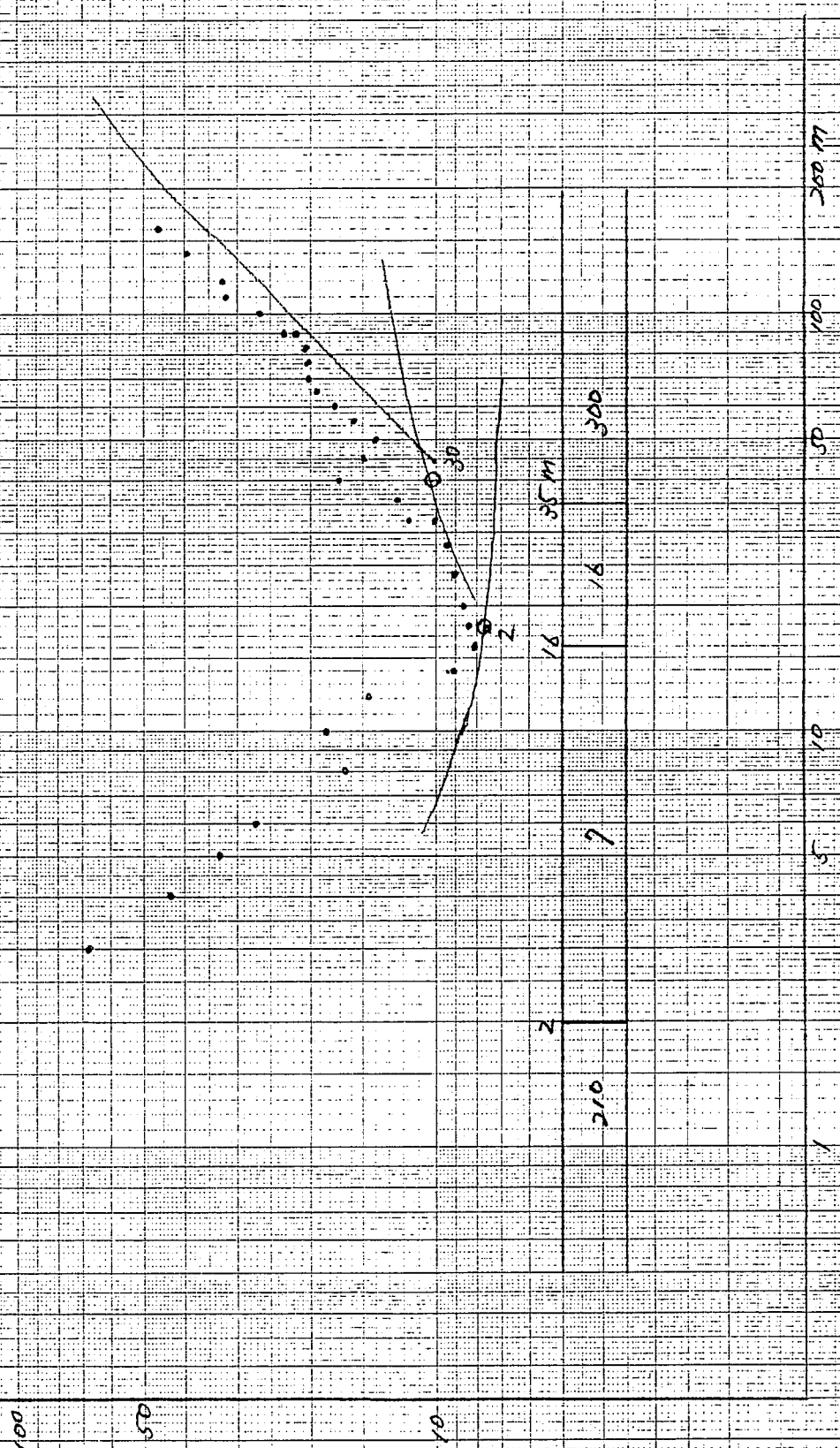
E-3 484533 E

1279127 N

86. Slaeng Roleung

E-1

486596 E
1277173 N

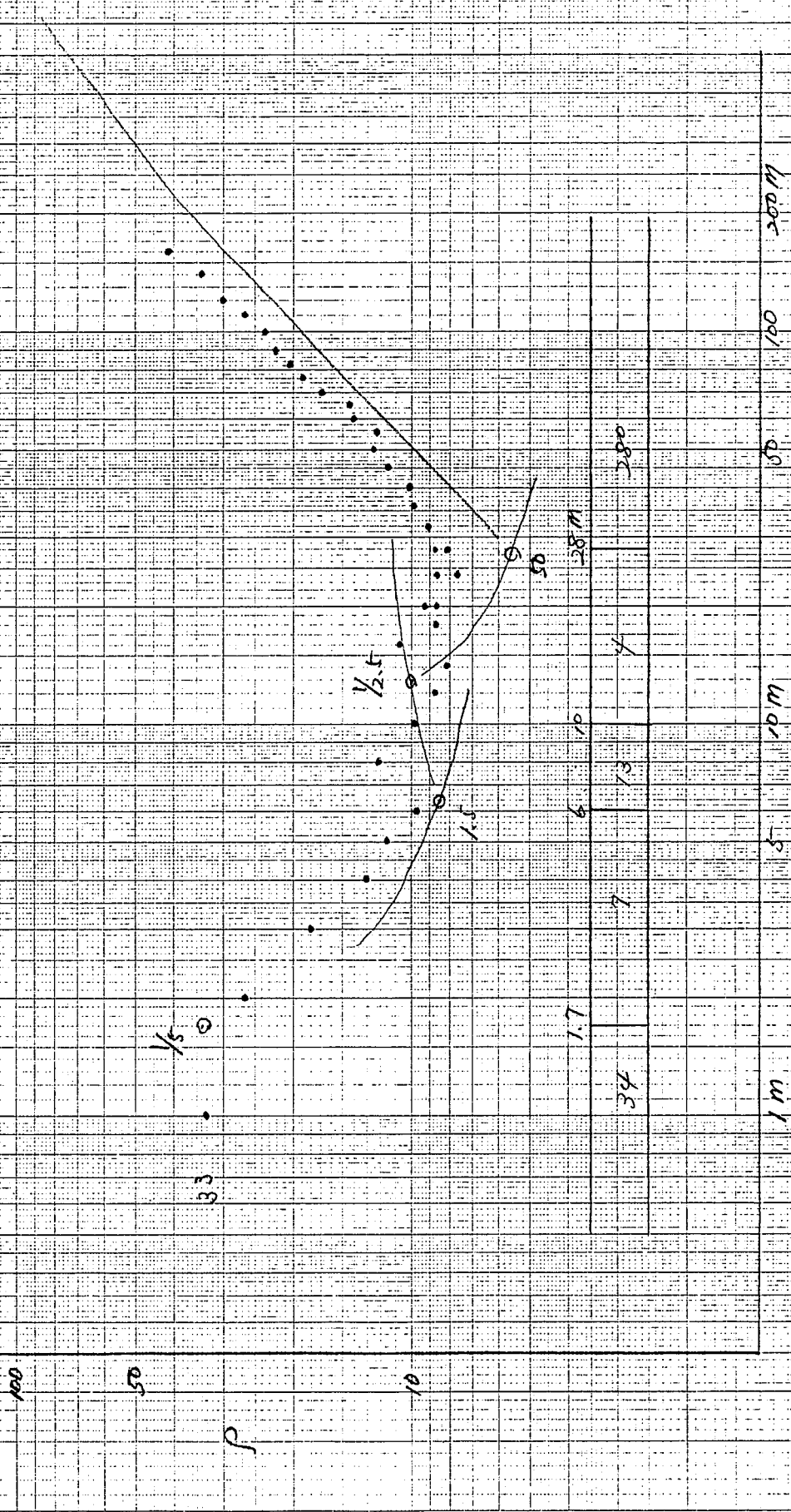


86. Slaeng Roleung

E-2

486466E

1277001N



86. Slaeng Roleung

F-3

48637/E

1276849M

60
137

100

50

P

10

150

7.5

1.5

1/2

30

25M

198

4.5

17

1 m

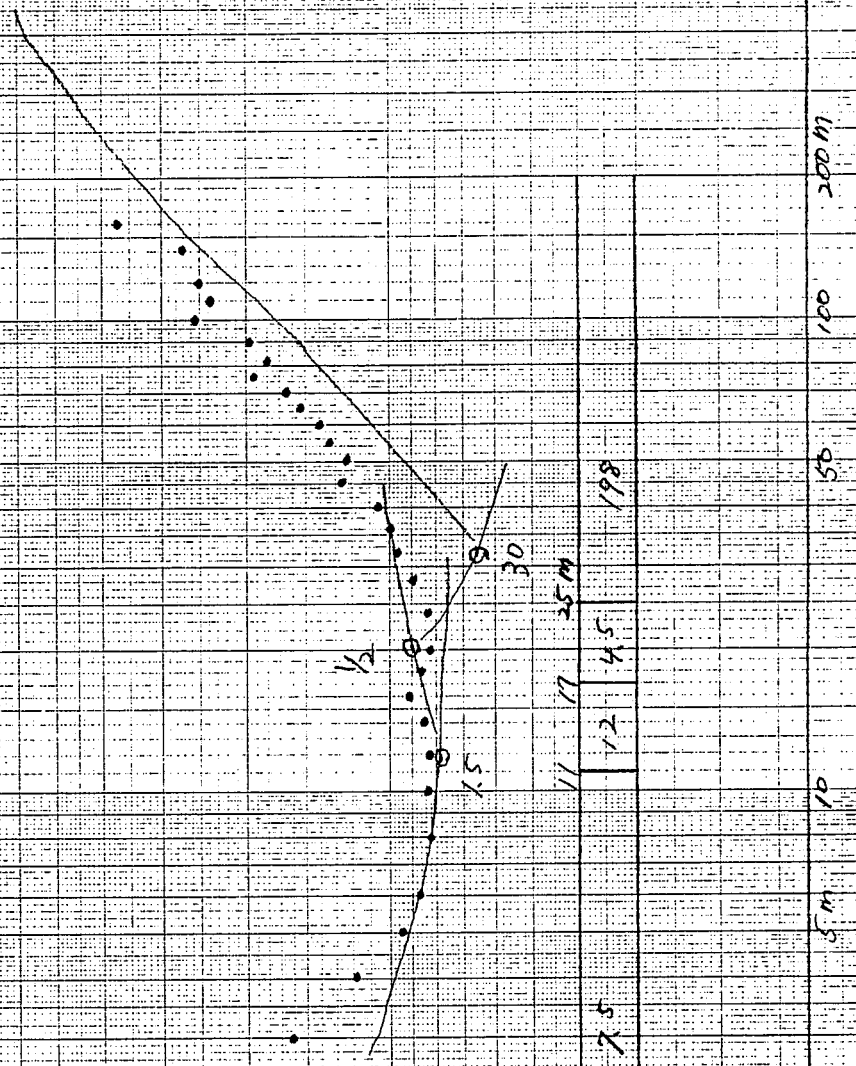
5 m

10

50

100

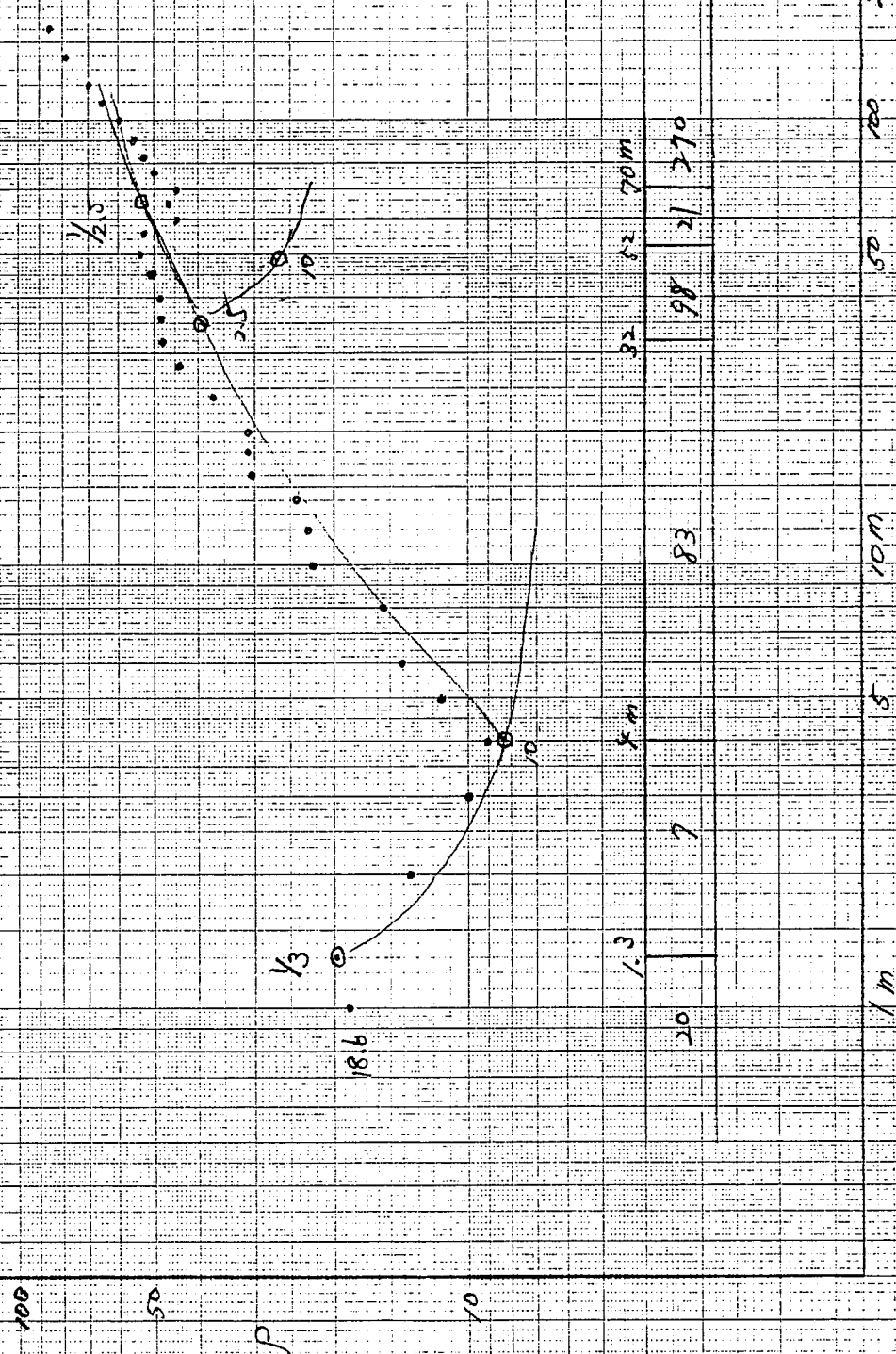
200 m



(3) 10051 25/1/11R 10/1/11

94 Bueng Salang

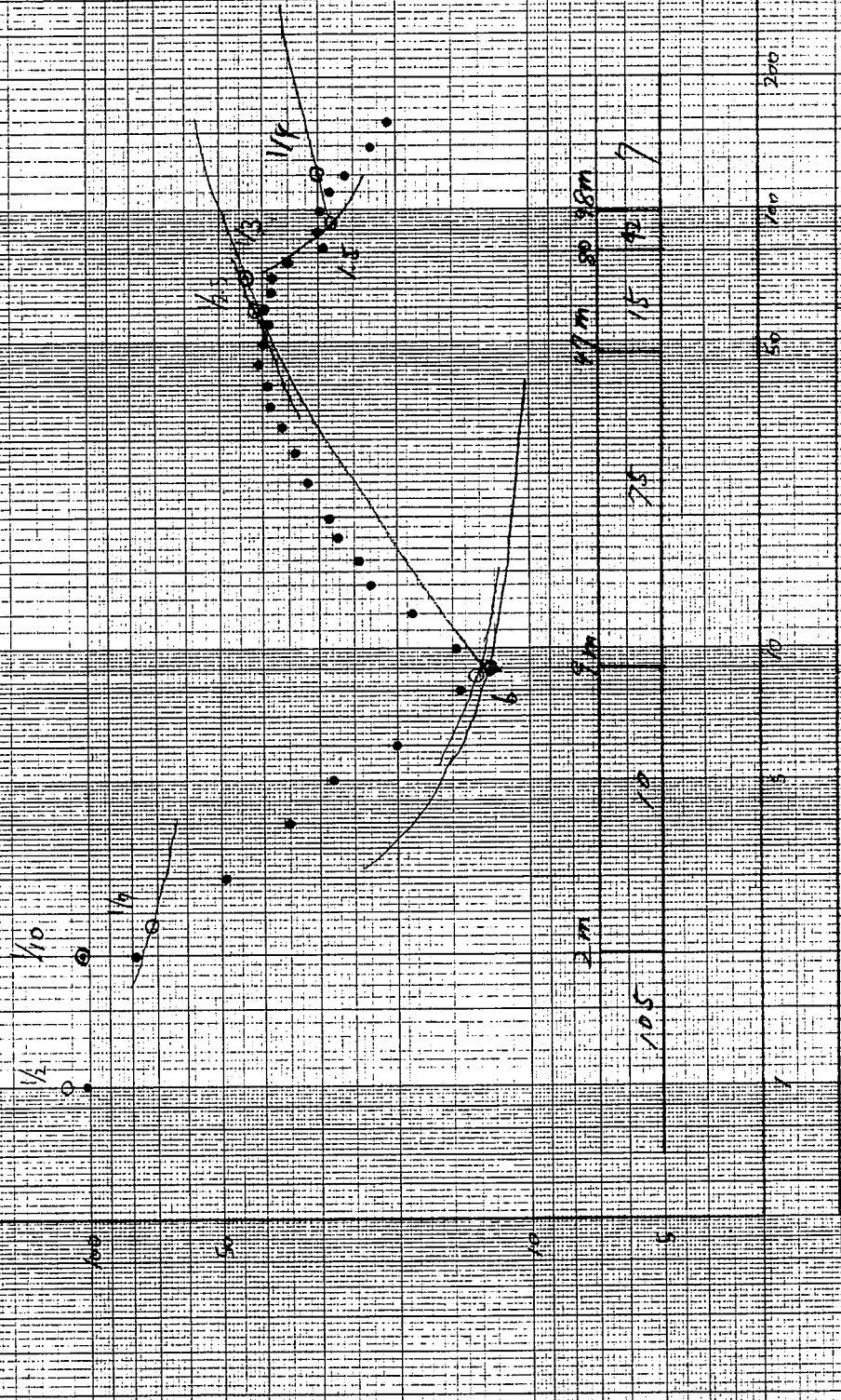
E-1
490703 E
1282887 N



Svay Rieng Province

0 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

M 105
 Sway Thom
 596055 E
 12311250 N



1	10.5	270	10	3	10	175	58	175	10	17
2	10.5	270	10	5	10	75	68	24	159	6.7
3	10.5	270	10	5	10	75	68	24	159	6.7
4	10.5	270	10	5	10	75	68	24	159	6.7
5	10.5	270	10	5	10	75	68	24	159	6.7
6	10.5	270	10	5	10	75	68	24	159	6.7
7	10.5	270	10	5	10	75	68	24	159	6.7
8	10.5	270	10	5	10	75	68	24	159	6.7
9	10.5	270	10	5	10	75	68	24	159	6.7
10	10.5	270	10	5	10	75	68	24	159	6.7
11	10.5	270	10	5	10	75	68	24	159	6.7
12	10.5	270	10	5	10	75	68	24	159	6.7
13	10.5	270	10	5	10	75	68	24	159	6.7
14	10.5	270	10	5	10	75	68	24	159	6.7
15	10.5	270	10	5	10	75	68	24	159	6.7
16	10.5	270	10	5	10	75	68	24	159	6.7
17	10.5	270	10	5	10	75	68	24	159	6.7

No 106 2

Sway Thom

506466 E

1231230 N

110

116

114

112

113

114

115

5

4.0

330

33

25

47

69

23.0

195

14.6

12

3

29

39

160

200

340

113

31

78

34

14

115

60

23

81

93

No 105 3

Sve-y Thom

595423 E
1231390 N

1/50
1/50

1/25
1/25

1/21
48

1/24
45

1/25
45

1/27
43

1/28
43

1/29
43

1/30
43

1/31
43

1/32
43

200 (m)

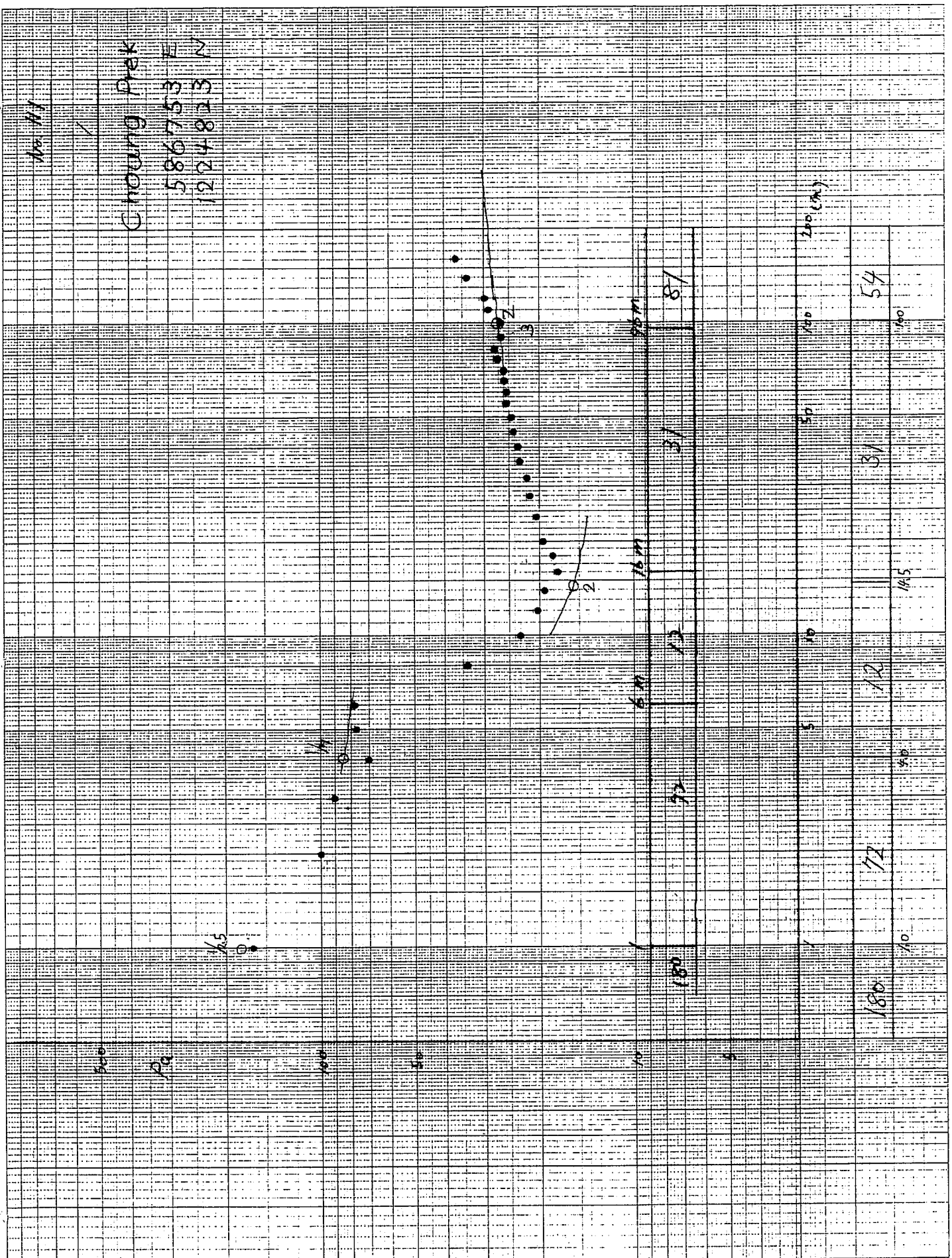
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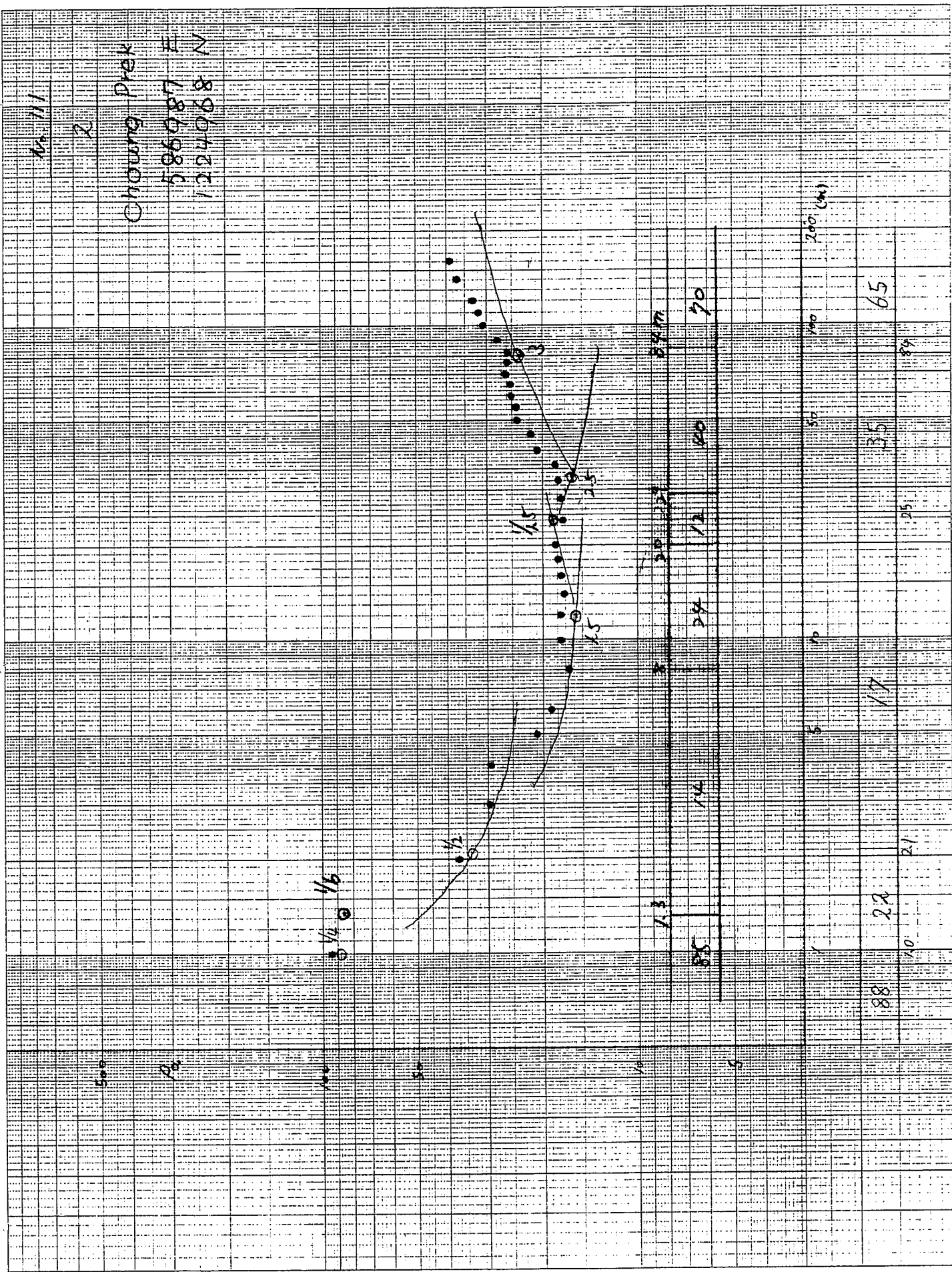
39

13

260

135





No. 11

3

Crowing PreK

586563 E

225015 W

500

100

100

300

100

50

1/50

350

10

7

62

20

64

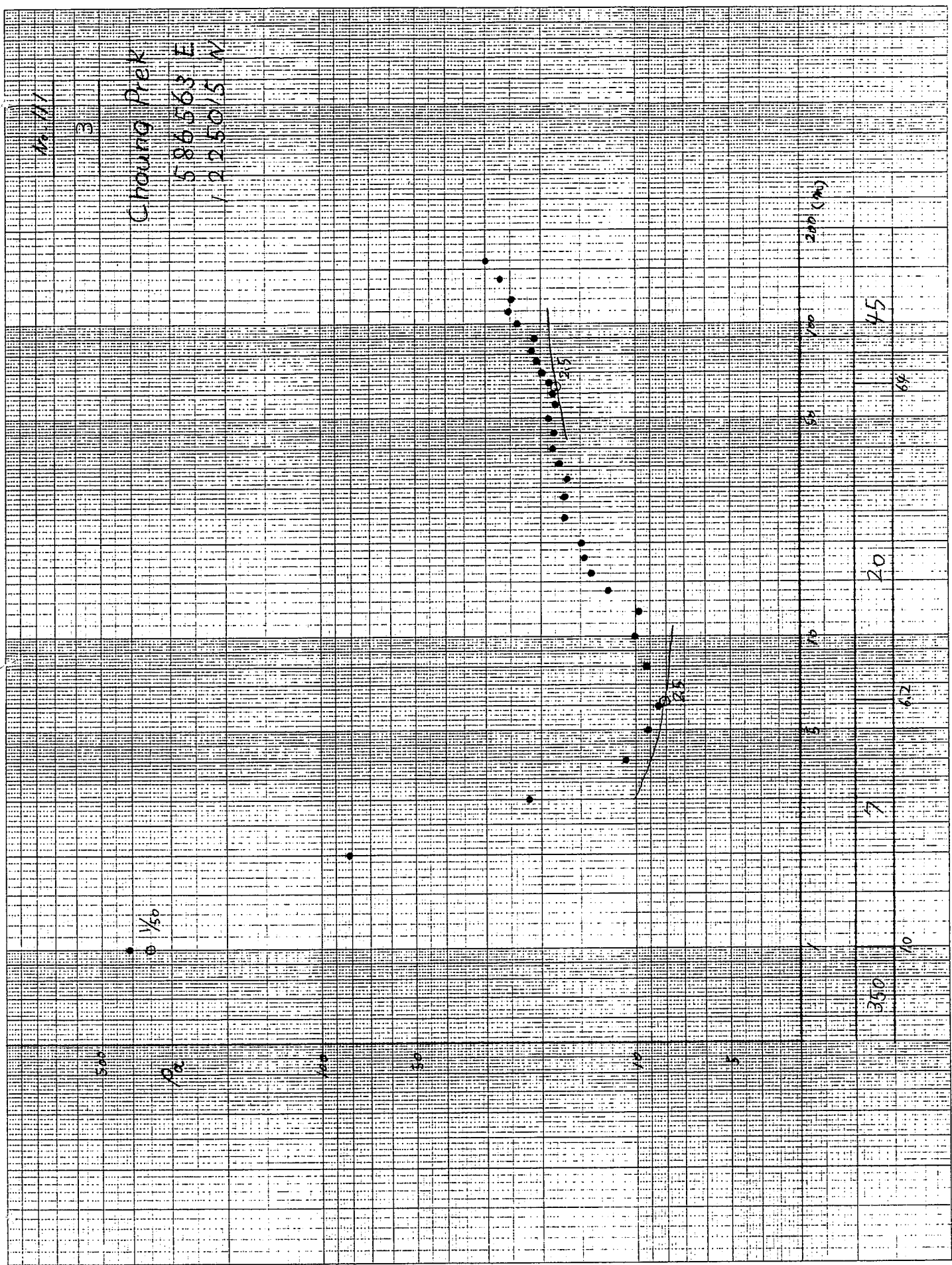
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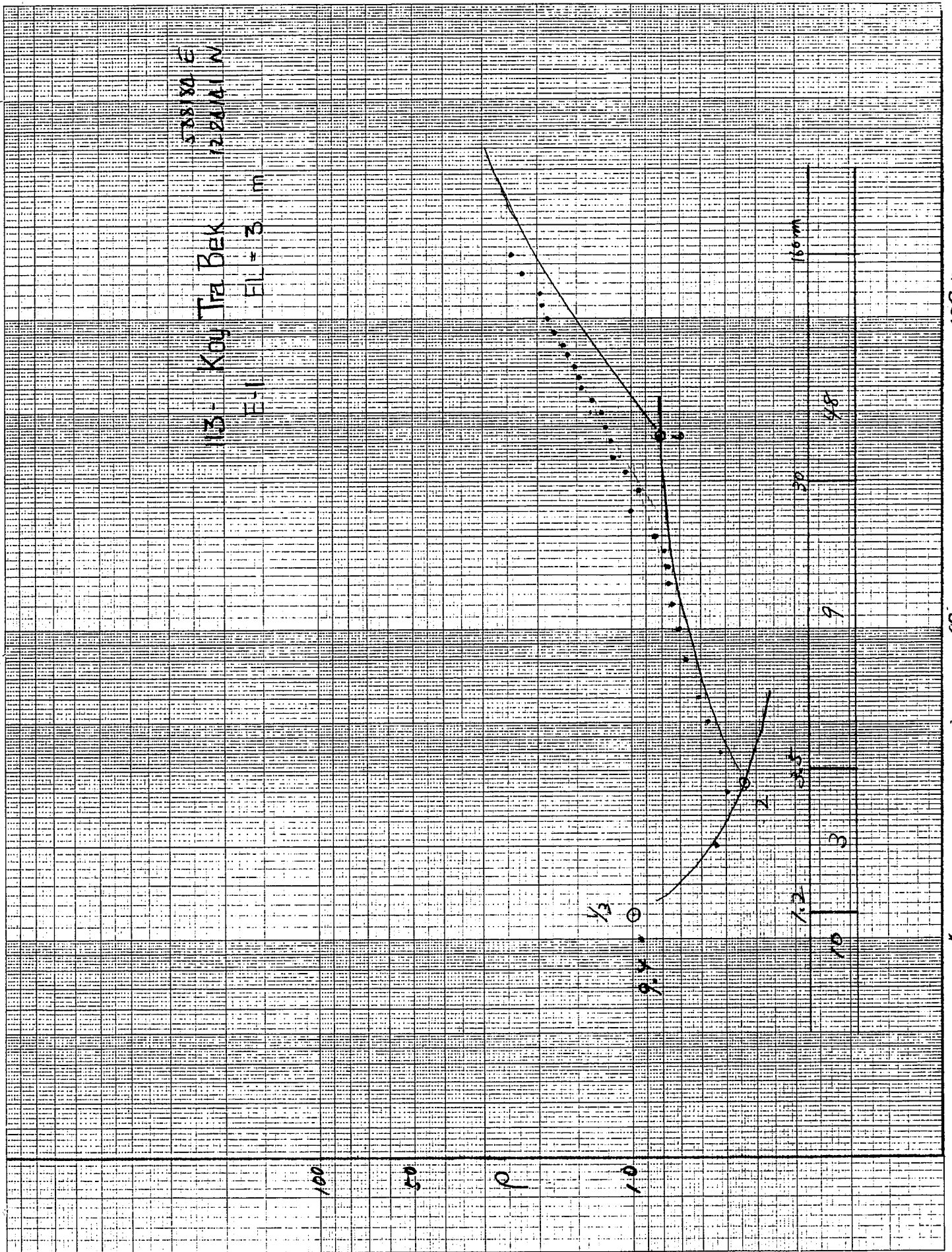
200 (10)

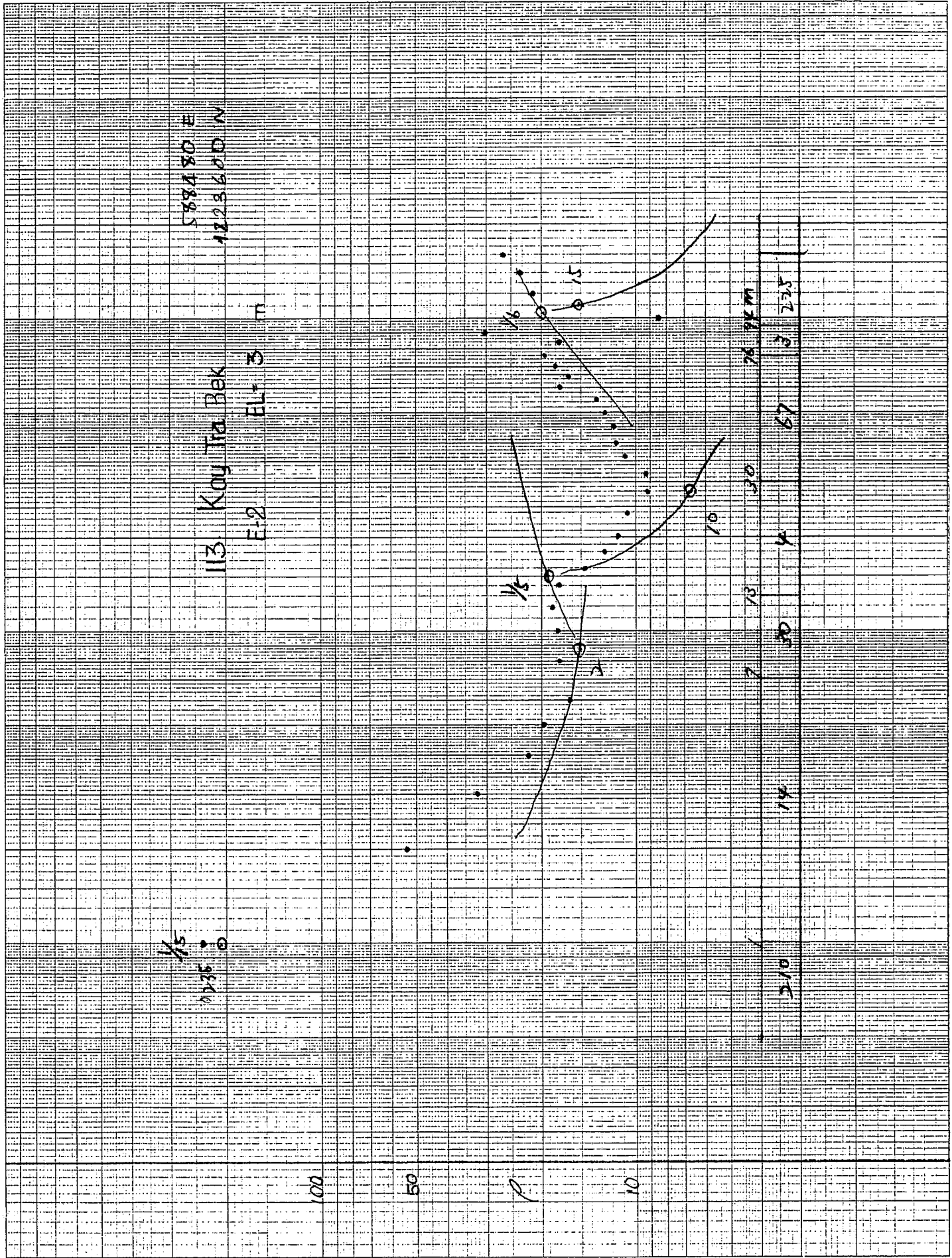
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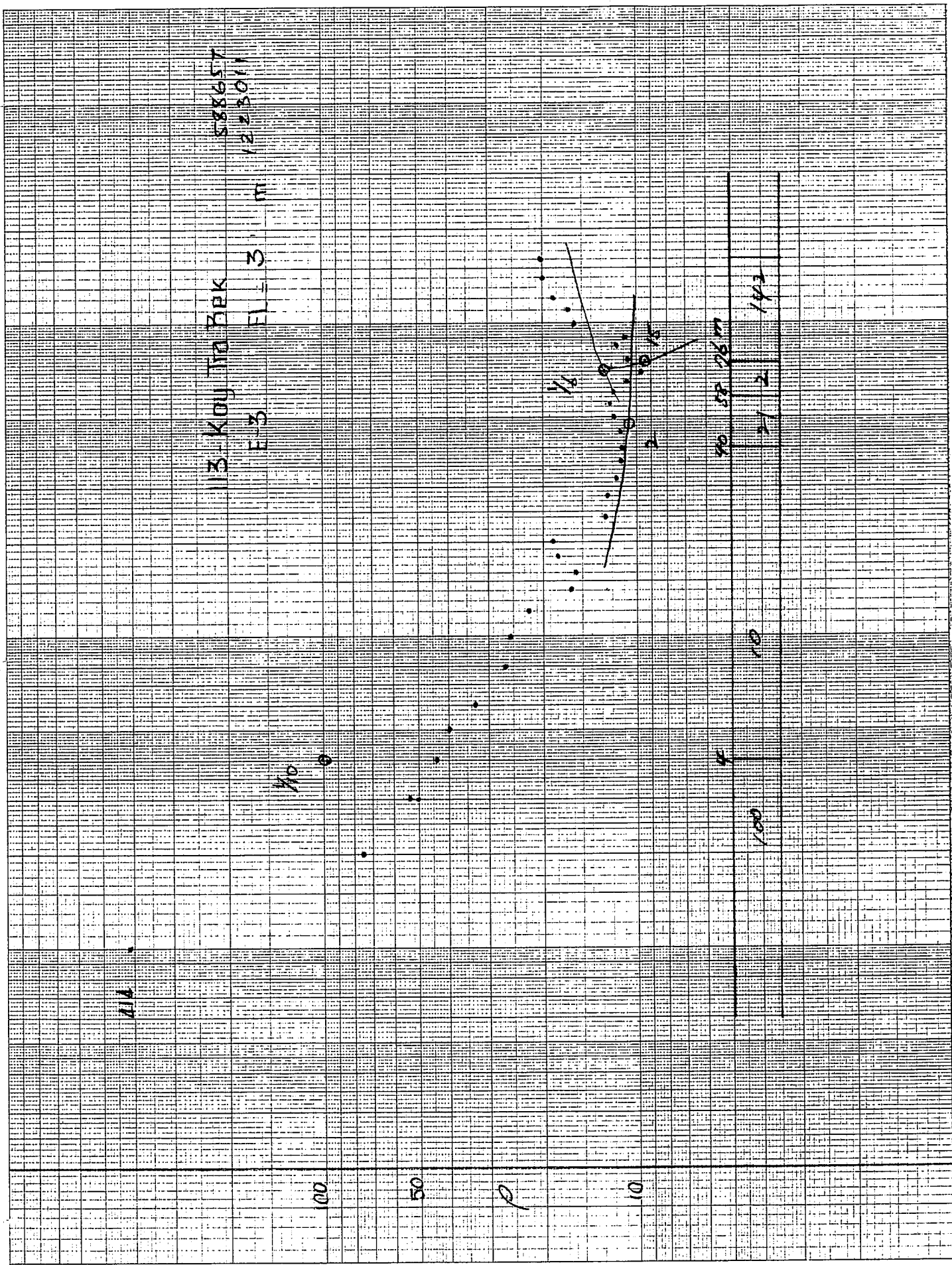
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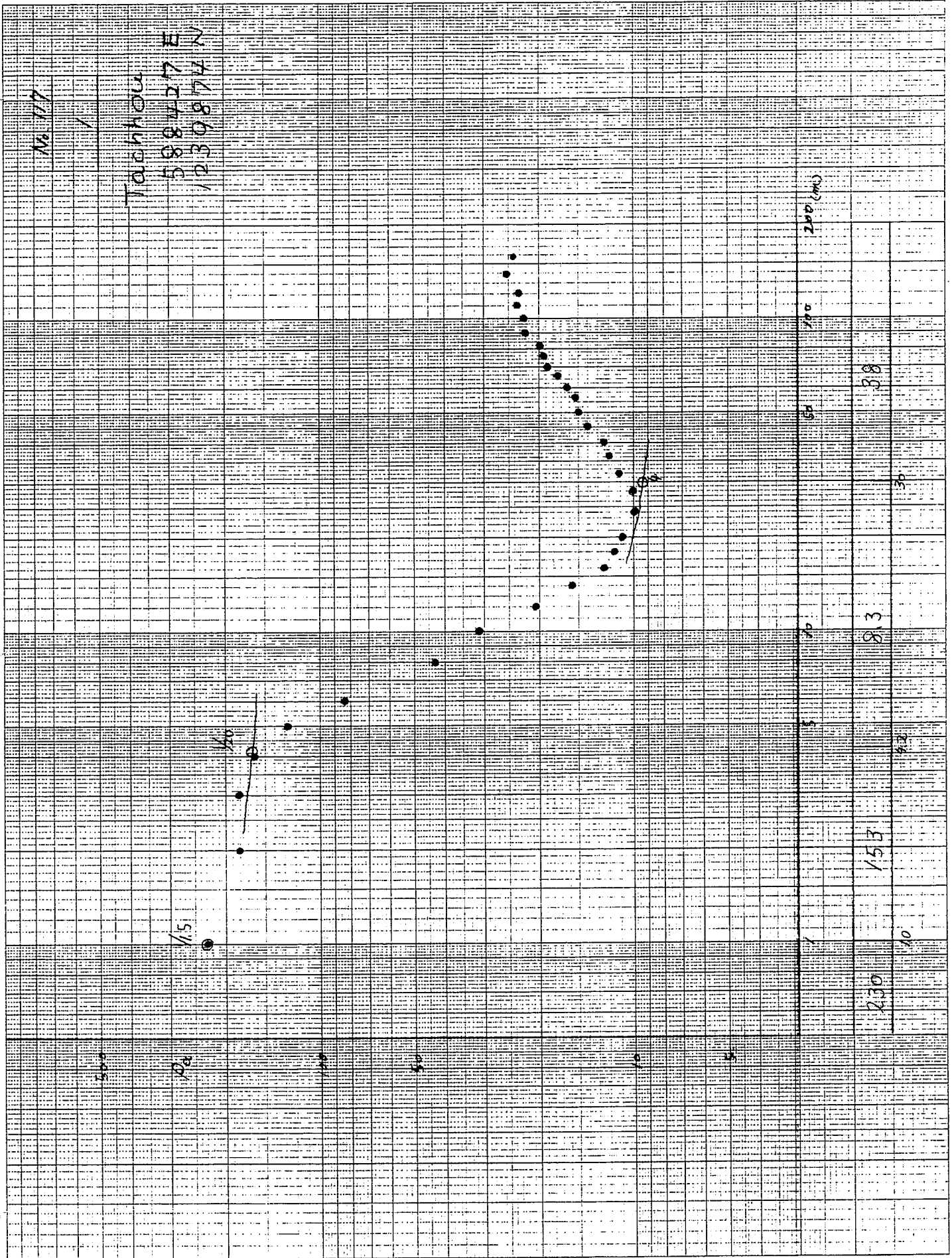
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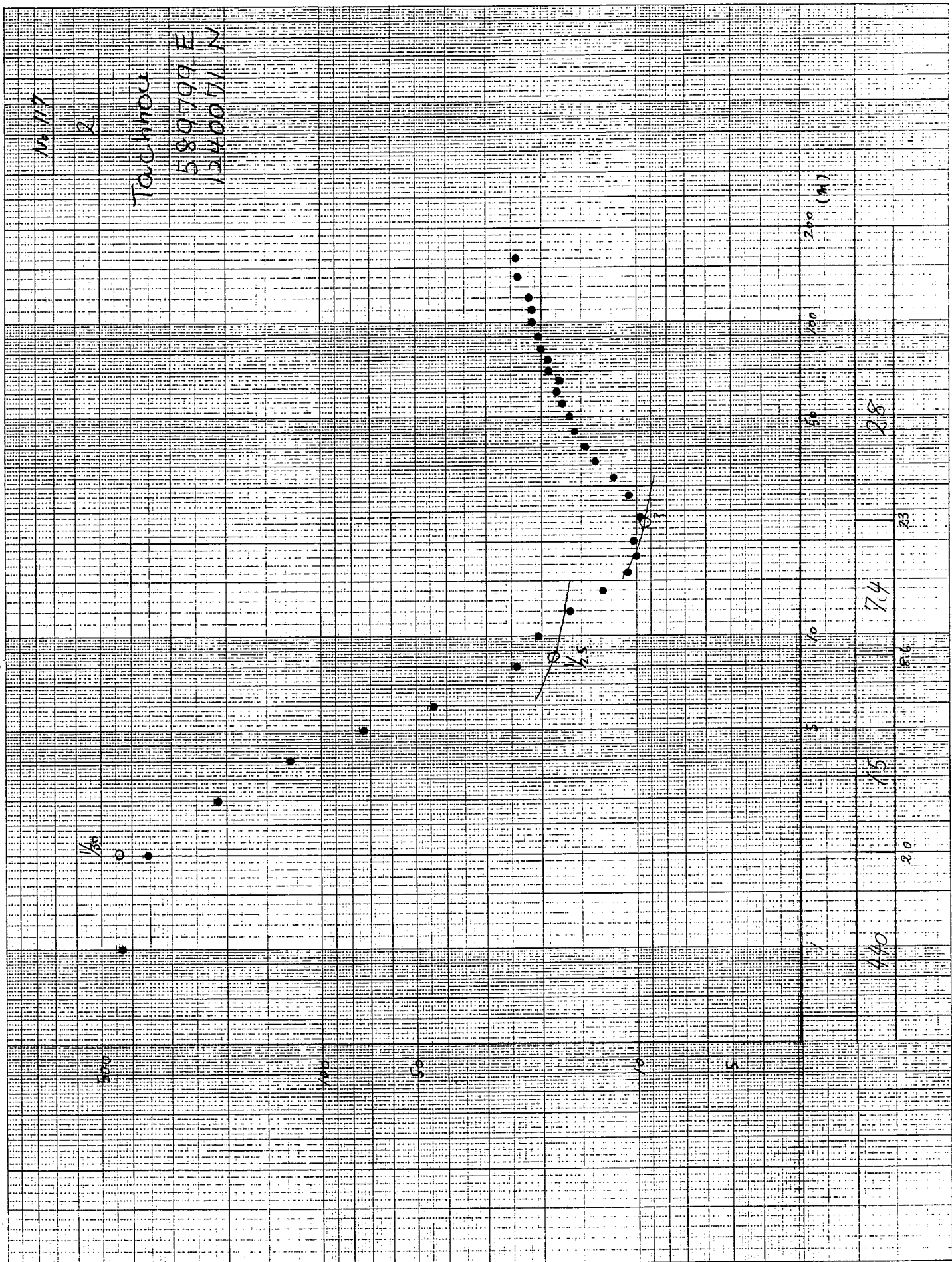


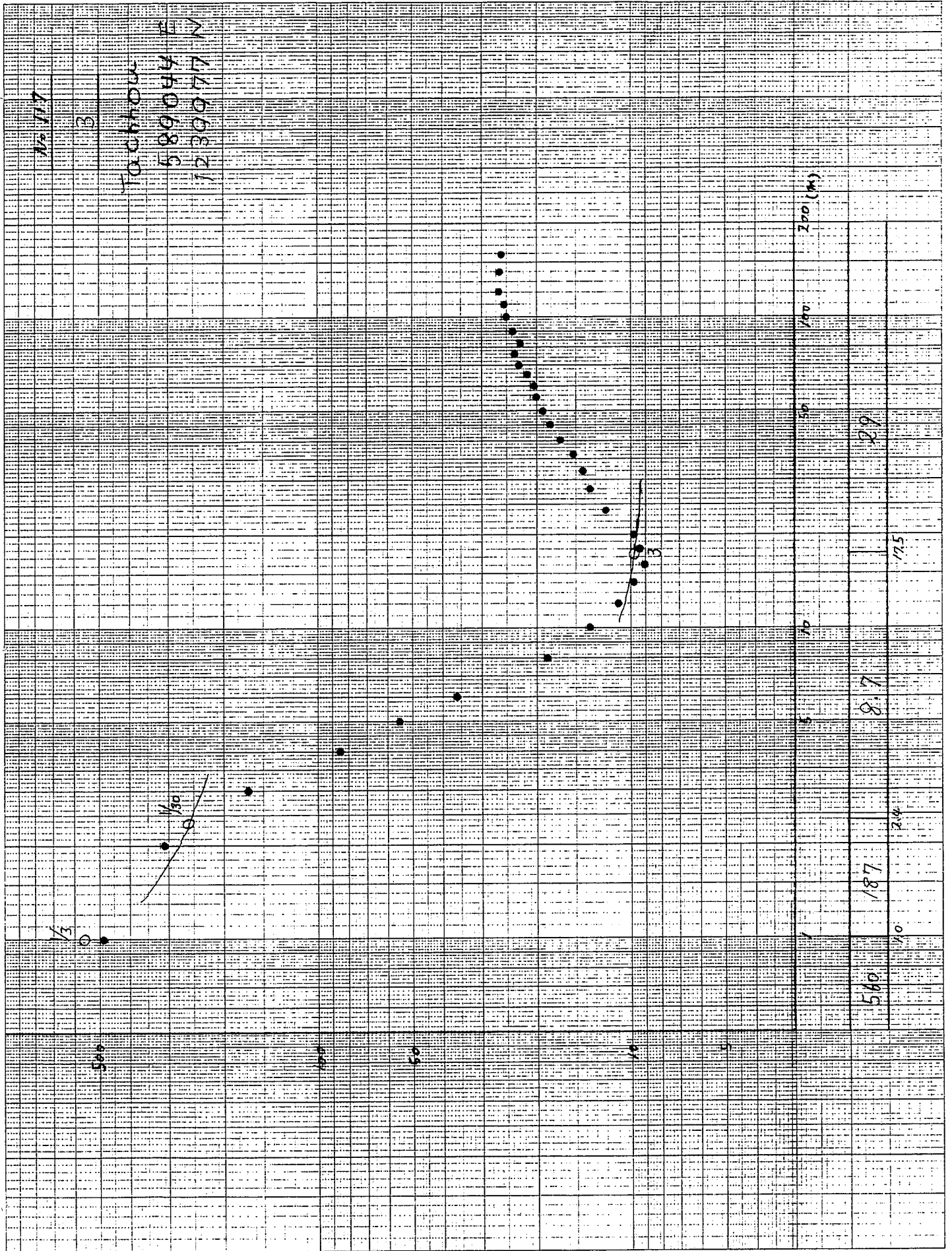












No. 118

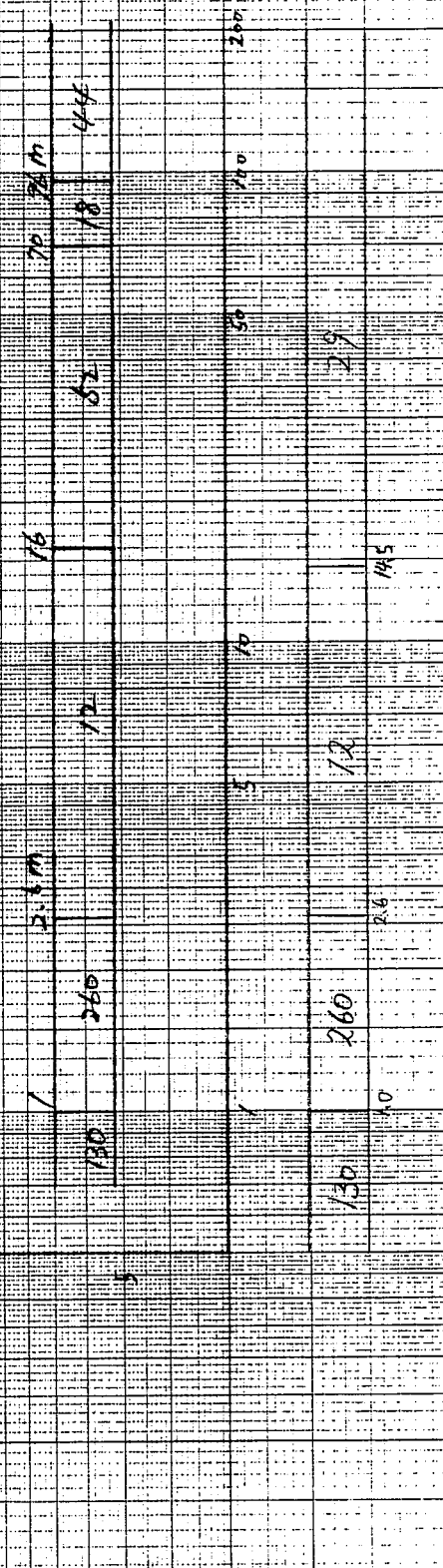
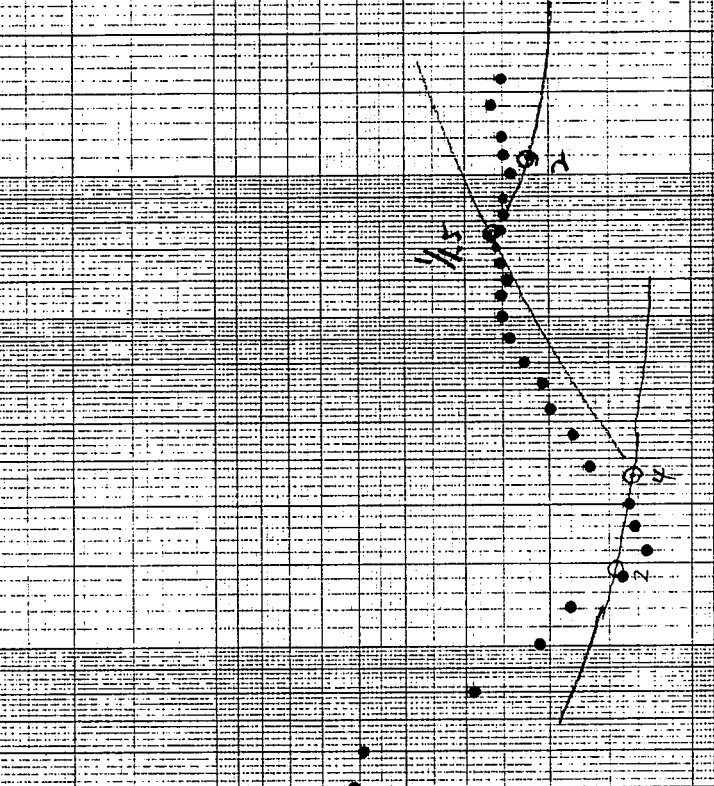
Prah Ang Keo

588239 E

1244439 N

115

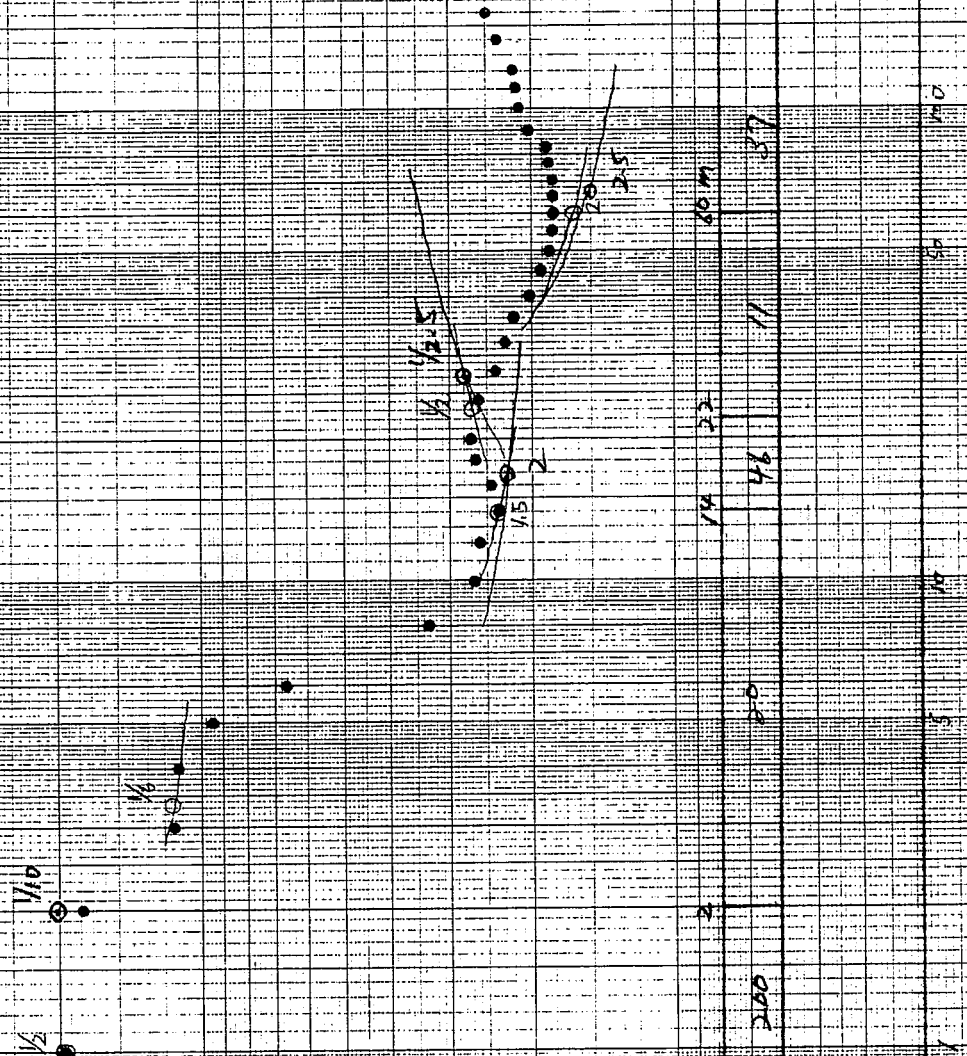
115



No 18

R

Proch Ang Keo
589751 E
1244633 N

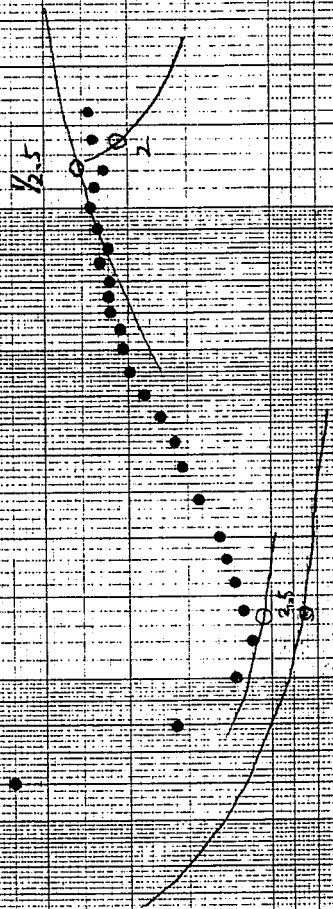
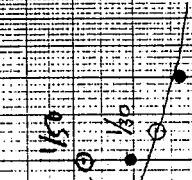


195	10	98	19	35	14	33
			34	4	23	6

10/18

3

Prati Ang Keo
588927 F
1240522 N



1	380	2	13	100	130 m
2		3	10	100	130 m
3		4	26	100	130 m
4		5	13.5	100	130 m
5		6	26	100	130 m
6		7	13.5	100	130 m
7		8	26	100	130 m
8		9	13.5	100	130 m
9		10	26	100	130 m
10		11	13.5	100	130 m
11		12	26	100	130 m
12		13	13.5	100	130 m
13		14	26	100	130 m
14		15	13.5	100	130 m
15		16	26	100	130 m
16		17	13.5	100	130 m
17		18	26	100	130 m
18		19	13.5	100	130 m
19		20	26	100	130 m
20		21	13.5	100	130 m
21		22	26	100	130 m
22		23	13.5	100	130 m
23		24	26	100	130 m
24		25	13.5	100	130 m
25		26	26	100	130 m
26		27	13.5	100	130 m
27		28	26	100	130 m
28		29	13.5	100	130 m
29		30	26	100	130 m
30		31	13.5	100	130 m
31		32	26	100	130 m
32		33	13.5	100	130 m
33		34	26	100	130 m
34		35	13.5	100	130 m
35		36	26	100	130 m
36		37	13.5	100	130 m
37		38	26	100	130 m
38		39	13.5	100	130 m
39		40	26	100	130 m
40		41	13.5	100	130 m
41		42	26	100	130 m
42		43	13.5	100	130 m
43		44	26	100	130 m
44		45	13.5	100	130 m
45		46	26	100	130 m
46		47	13.5	100	130 m
47		48	26	100	130 m
48		49	13.5	100	130 m
49		50	26	100	130 m

122 測距儀 12mm

E-1 EL=0.0

595342 E

1244990 M

324
150

100

9

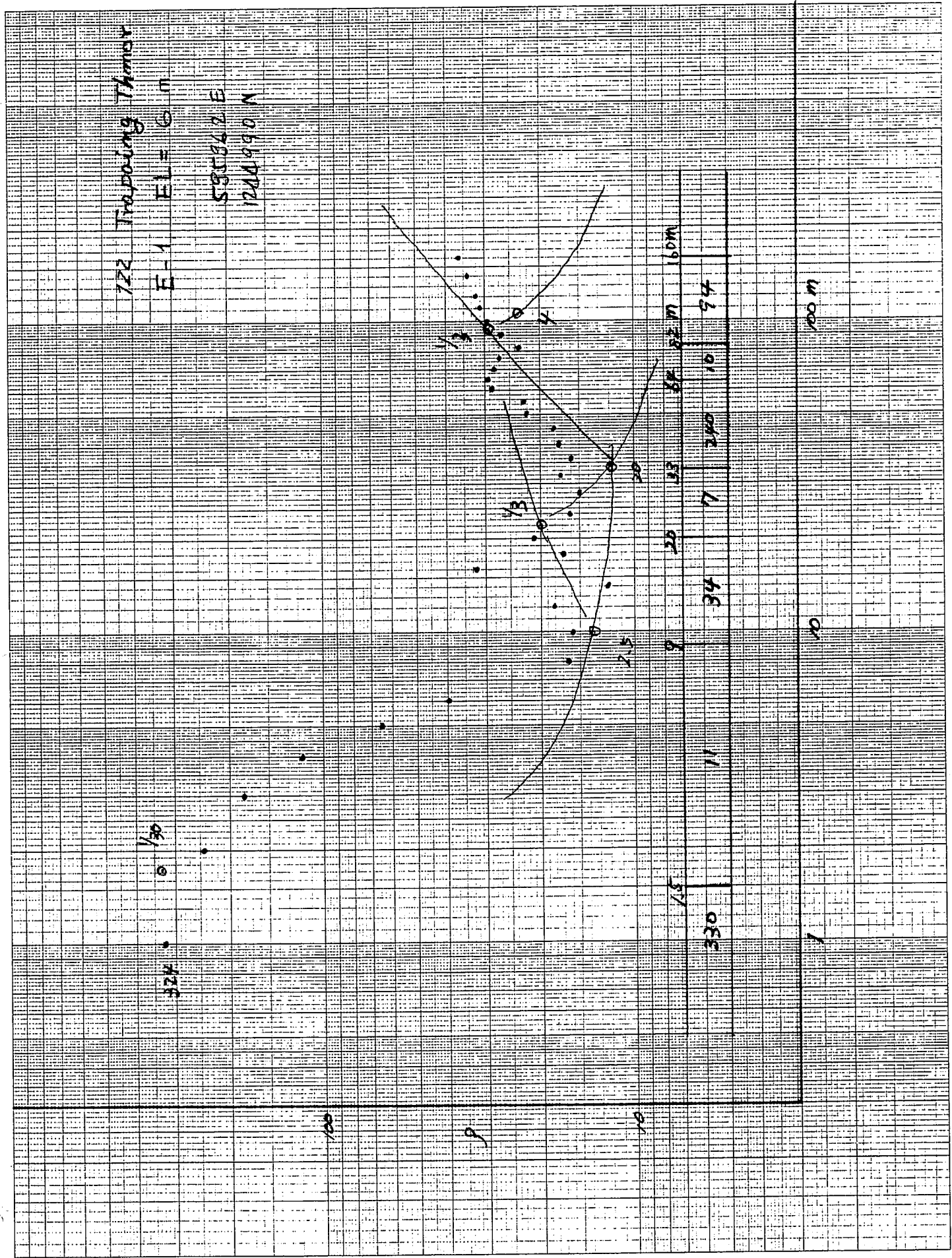
10

15	11	34	25	33	87	82 M	160m
330	11	34	7	200	10	94	

1

10

100 m



11-5-64 100V 6.5mm 9. April 1964 100V 6.5mm 9. April 1964

122. Trapaing Thmor

E-2. EL = 6 m

596039Z

1245185 N

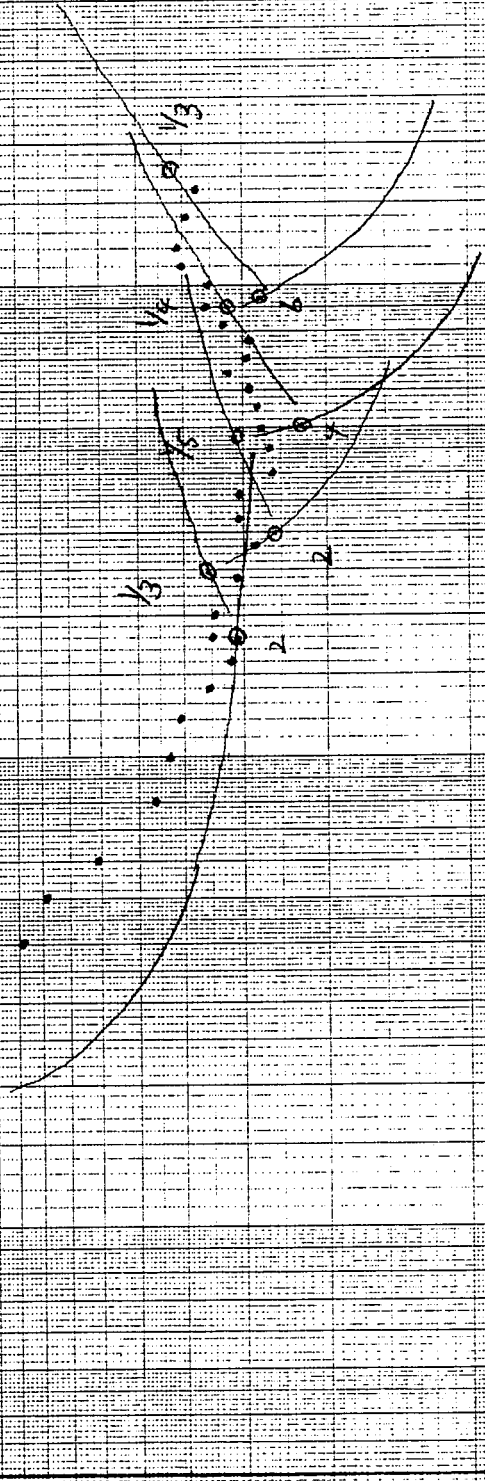
1/5

392

100

0

10



16	19	28	34	40	54	75	120	M
62	12	62	6	90	8	163	14	

15

440

29

1

10

100 m

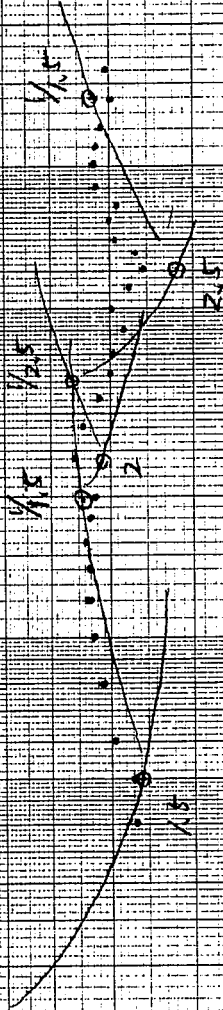
122 Trapsung Thmor
E-3 H/L = 6m
1955835 E
12ACT01 N

1/15
289

100

9

10



105m

80

20

26

5

105m

80

20

26

5

22

325

39

23

63

15

56

52

Clay

Sand

0

S

CS

CS

10

7

100m

12/27

Russey Leap

503668

12/17076 N

✓

500

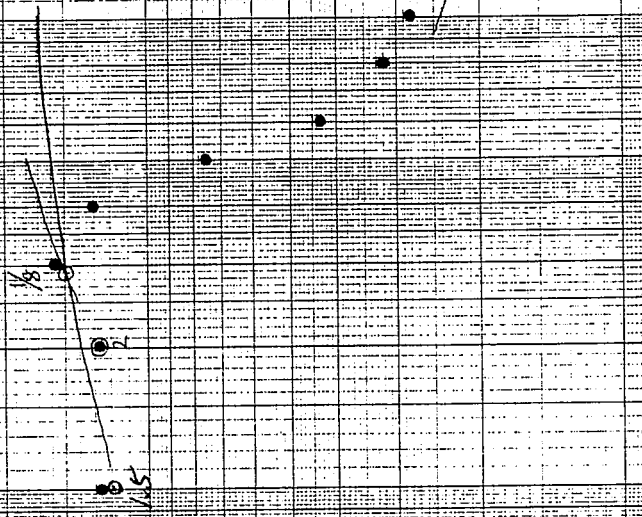
100

100

500

100

500



200 (m)

100

50

10

5

1

9.0

8.4

20

19

256

128

20

2.7

5.2

15/12/77

2

Russey Leap

093/72 E
121.04/16 N

116

117

300

30

115

116

117

115

116

117

115

116

117

115

116

117

115

116

117

115

116

117

115

116

117

115

116

117

115

116

117

115

116

117

117

118

119

380

385

390

117

118

119

96

97

98

117

118

119

117

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119

117

118

119

117

118

119

117

118

119

117

118

119

117

118

119

420

425

117

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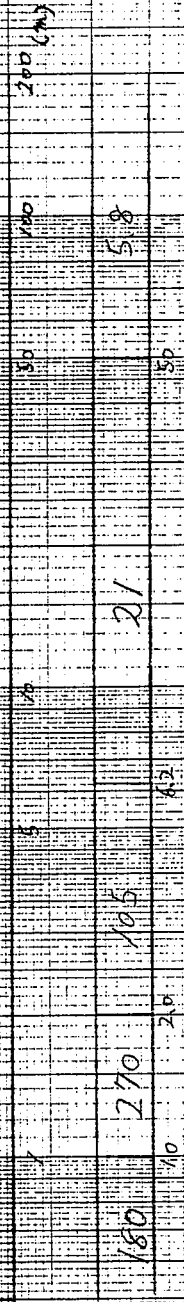
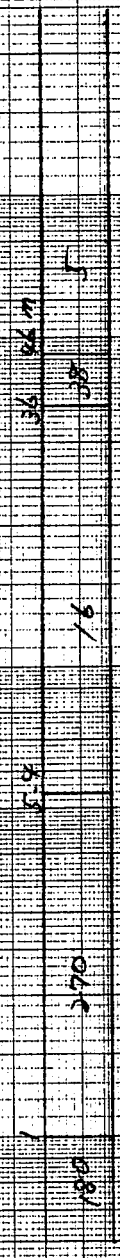
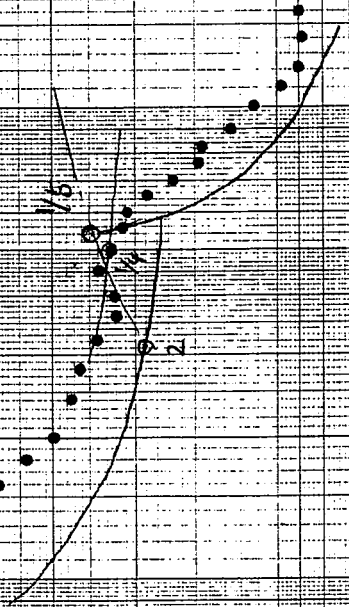
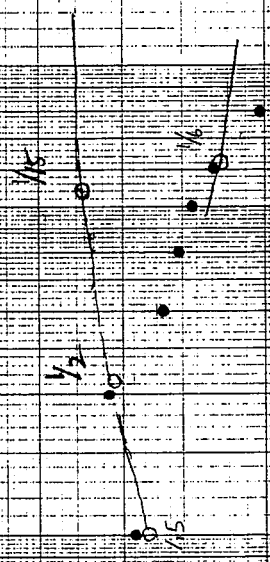
117

118

11/27

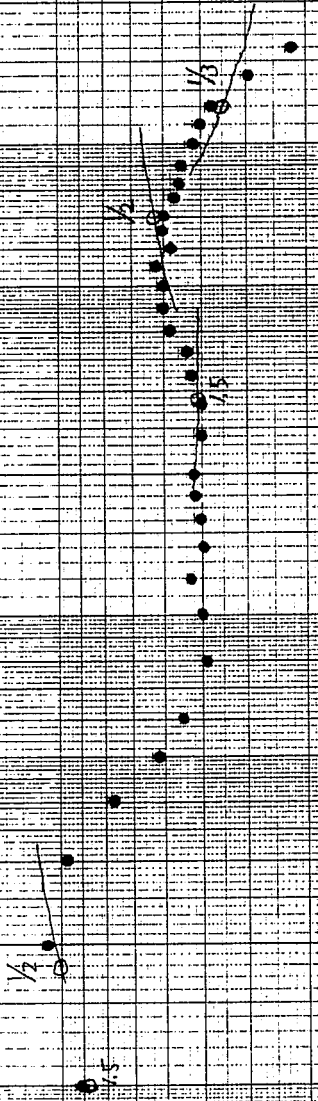
3

Russey Leap
502082 E
1210715 N



No. 132

KD06 Tunda
646329 E
1203495 N



200 (m)

15

31

77

50

132

88

120

70

29

18

10

No. 132

R

Kipal Thnal

616071 E

1204043 W

500

Pa

100

Pa

10

5

10

2m

200

15

2.5

8m

20

62

29m

172

62m

12

200 (m)

50

100

13

37

110

123

45

50

200

20

20

50

64

23

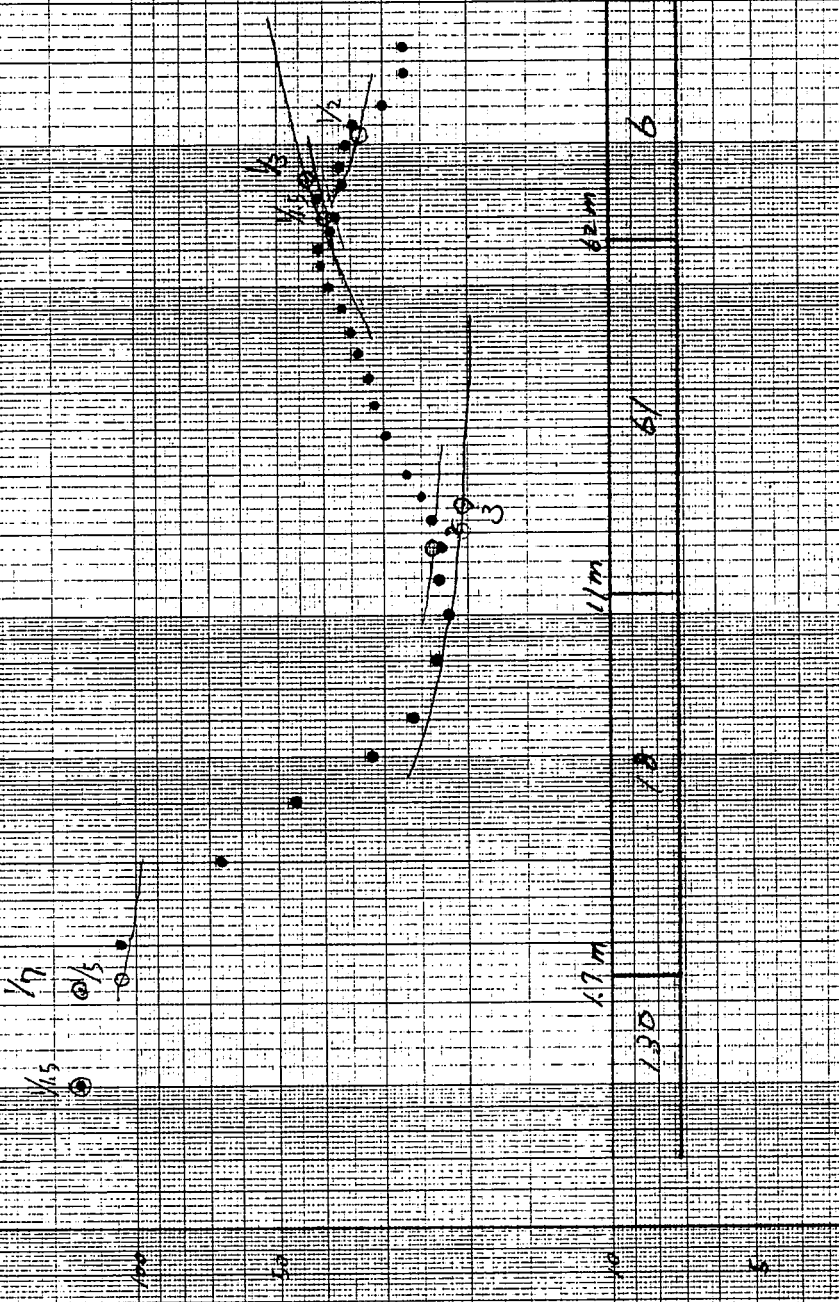
14 132

3

KBOA Thnal

616500 E

1203208 N



1/7

1/5

1/5

1.7m

1.7m

1.1m

6.2m

200 (m)

87

21

47

17

10

11

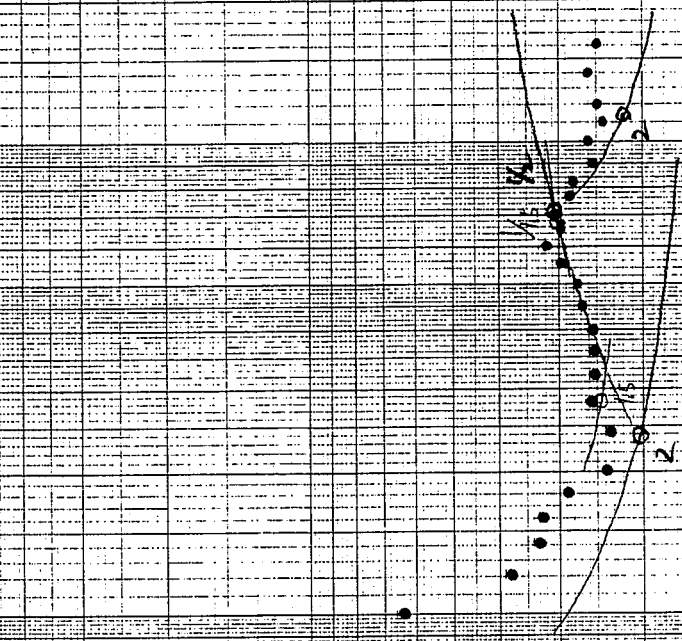
14

70

105

16737

Krahon Kor
579278 E
1251238 N



165	175	19	26	65	110M	200 (m)
165	495	22	37	30	20	
		80	88	65		

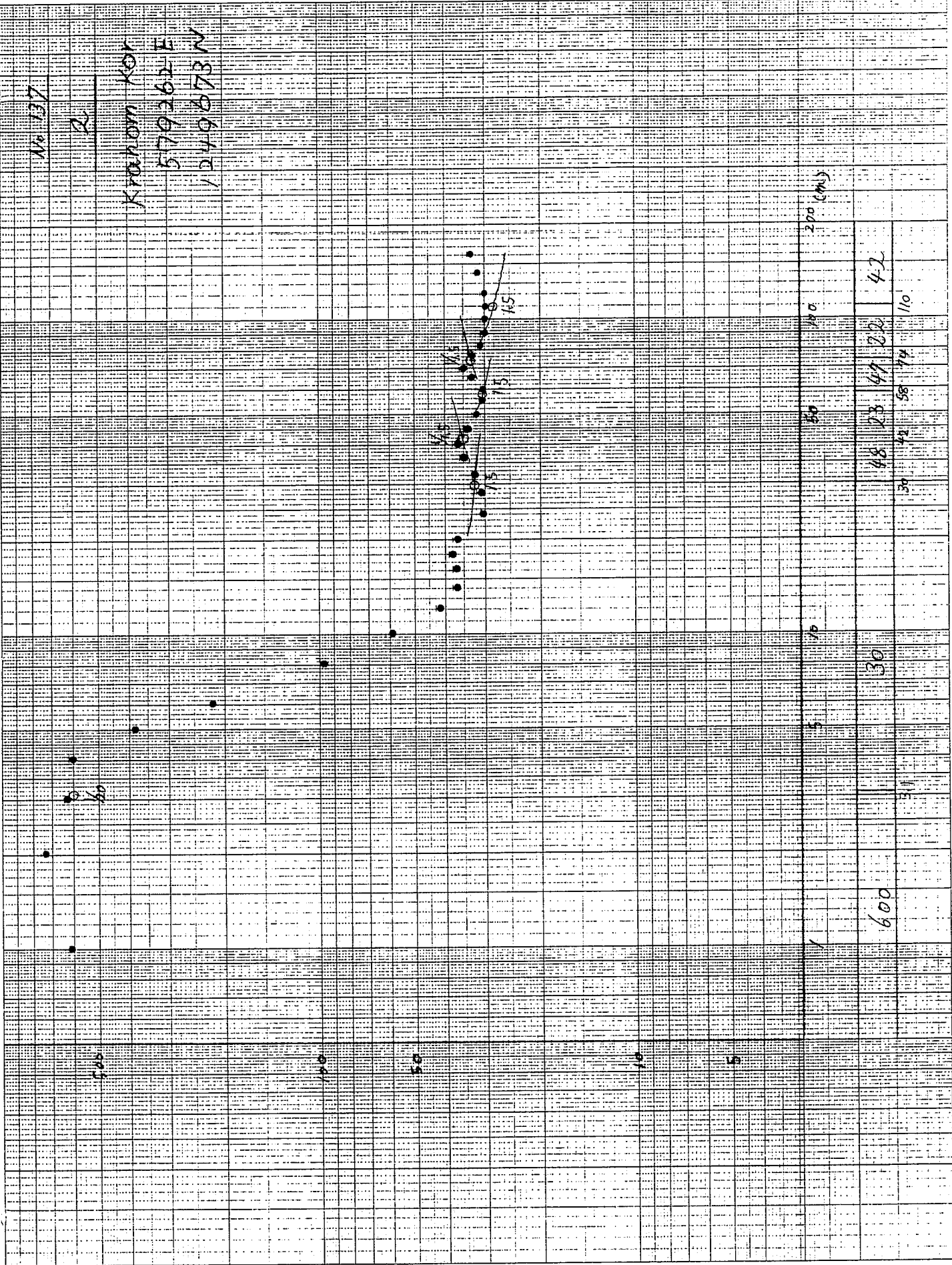
No 137

R

KPACHOM KOP

579262 E

1249873 N



200 (m)

42

47

28

48

28

30

30

600

31

51

30

48

28

47

22

42

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

10

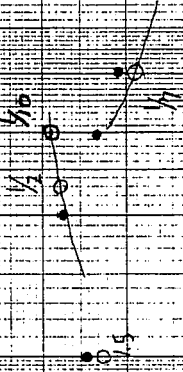
112 137

3

KROKOM KOR

579109 E

1240097 N



46 68 100 130.01

10 33 17 22

2.5

337

29

200 (mm)

86

60

5

35

19

27

138

338

225

83

44

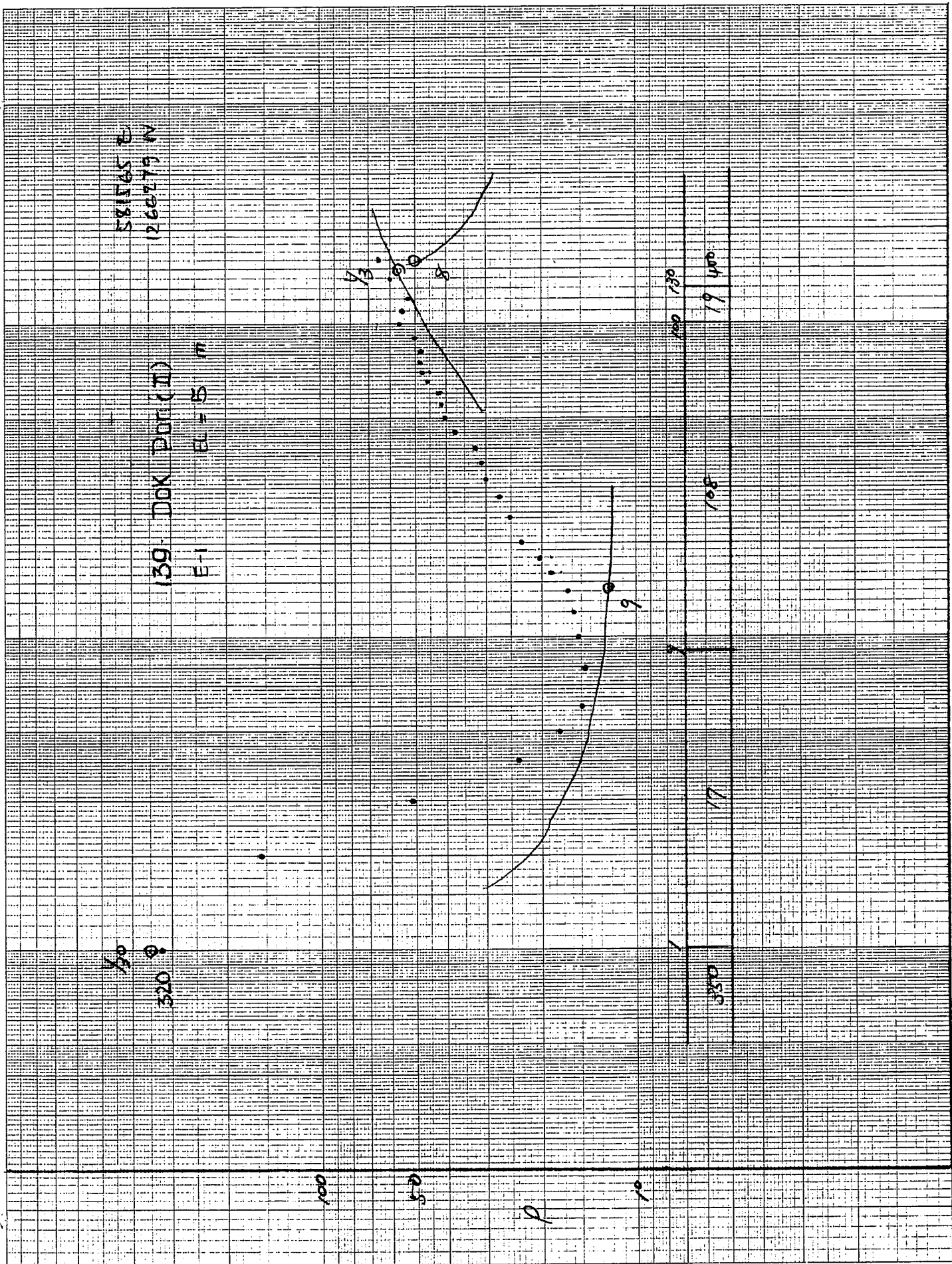
40

2.3

10

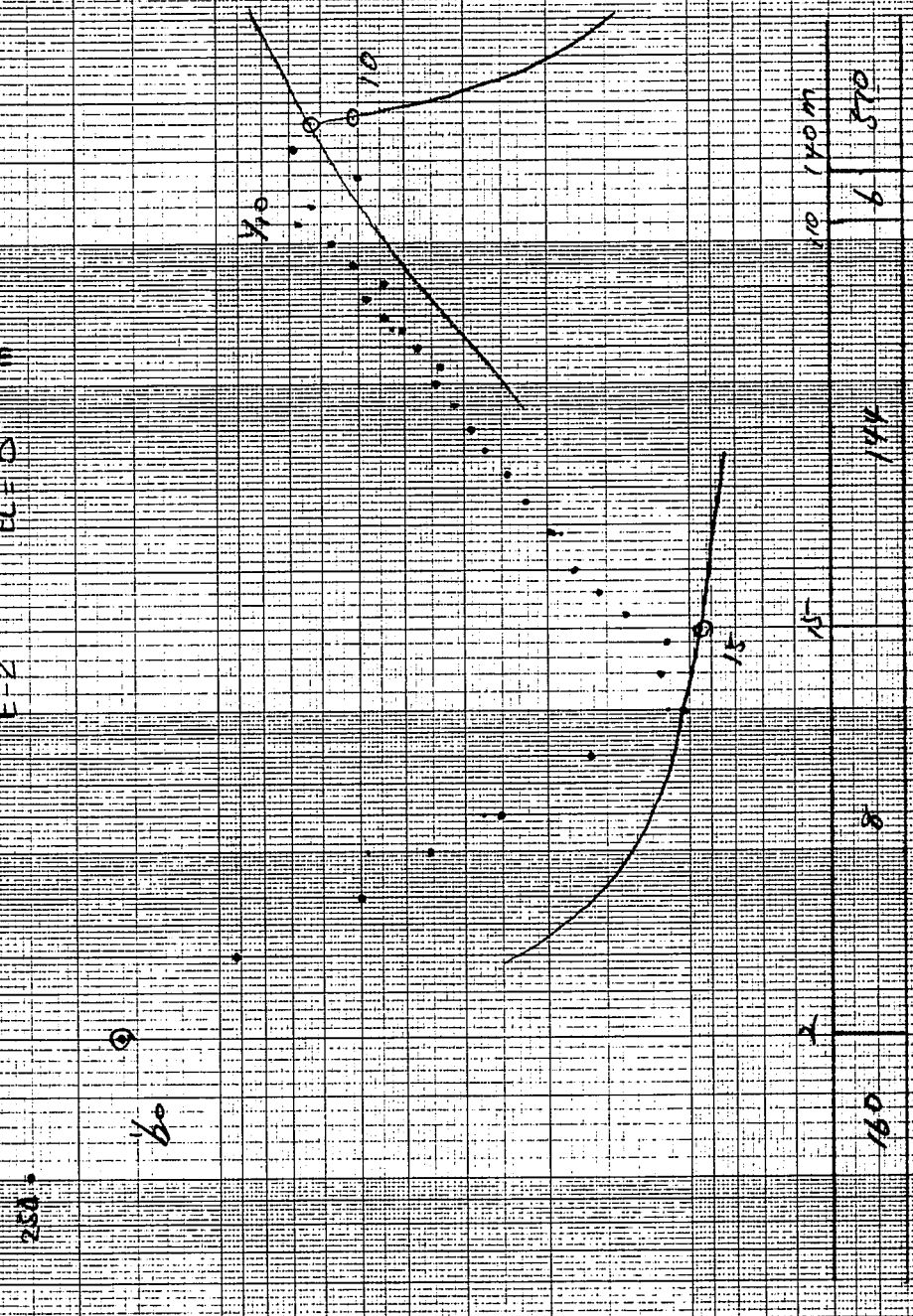
AV 110V - 600mm (3 3 4 fig.)

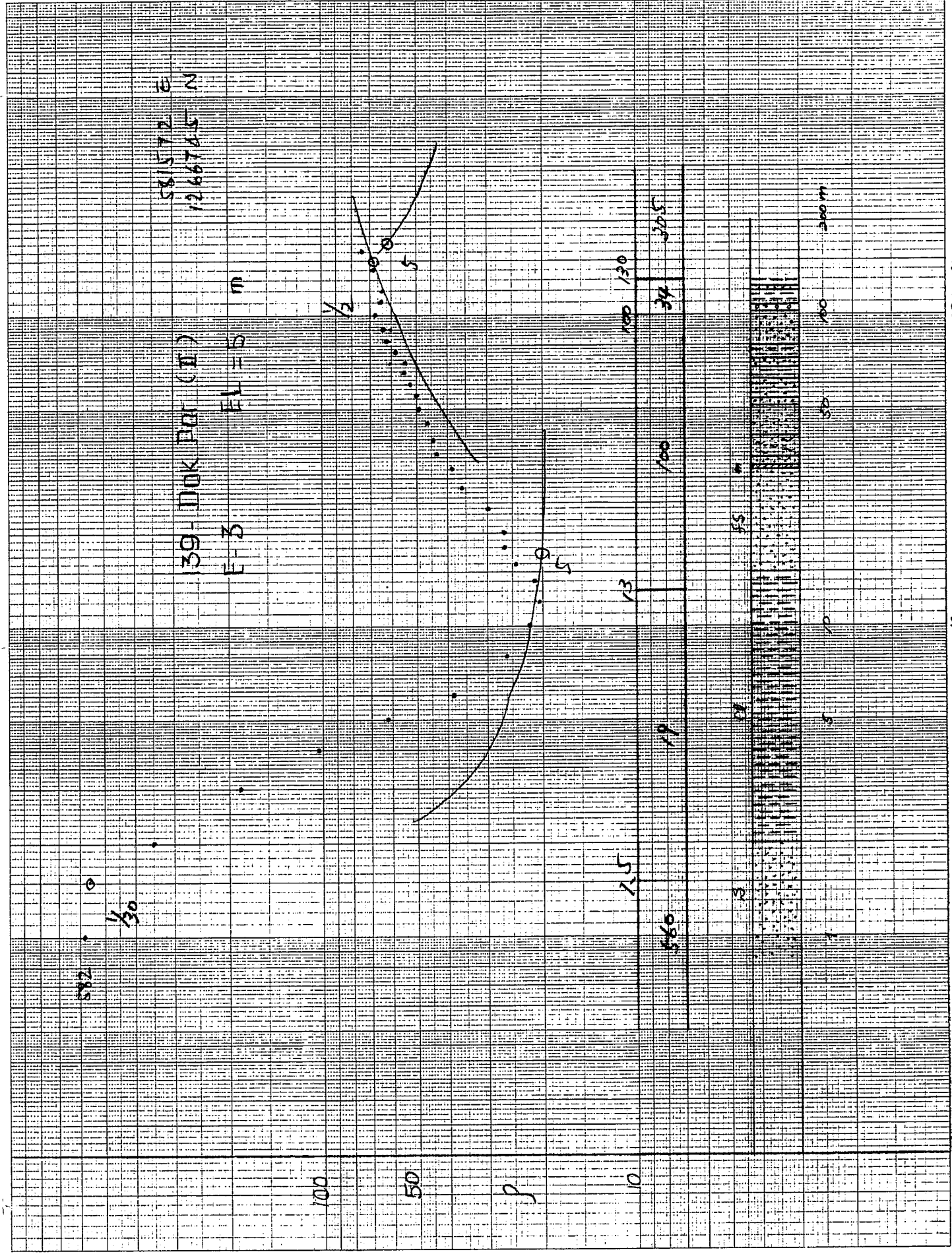
Fig. 1.30, 31, 32, 33



58449 E
12.64533 N

139-100K Prof (II)
E-2 EL=10 m





103.771

Chew Boelung

583798 E
1260612 N

800

R₀

100

50

10

5

200 (m)

100

50

10

5

320

21

48

200

13

74

16

87

1/30

1/2

1/3

1/5

1/2

1

Ms. 191

R

Chem. Plotting

588253 E

1260451 N

500

160

R

100

50

10

5

200 (hr)

100

50

10

400

8

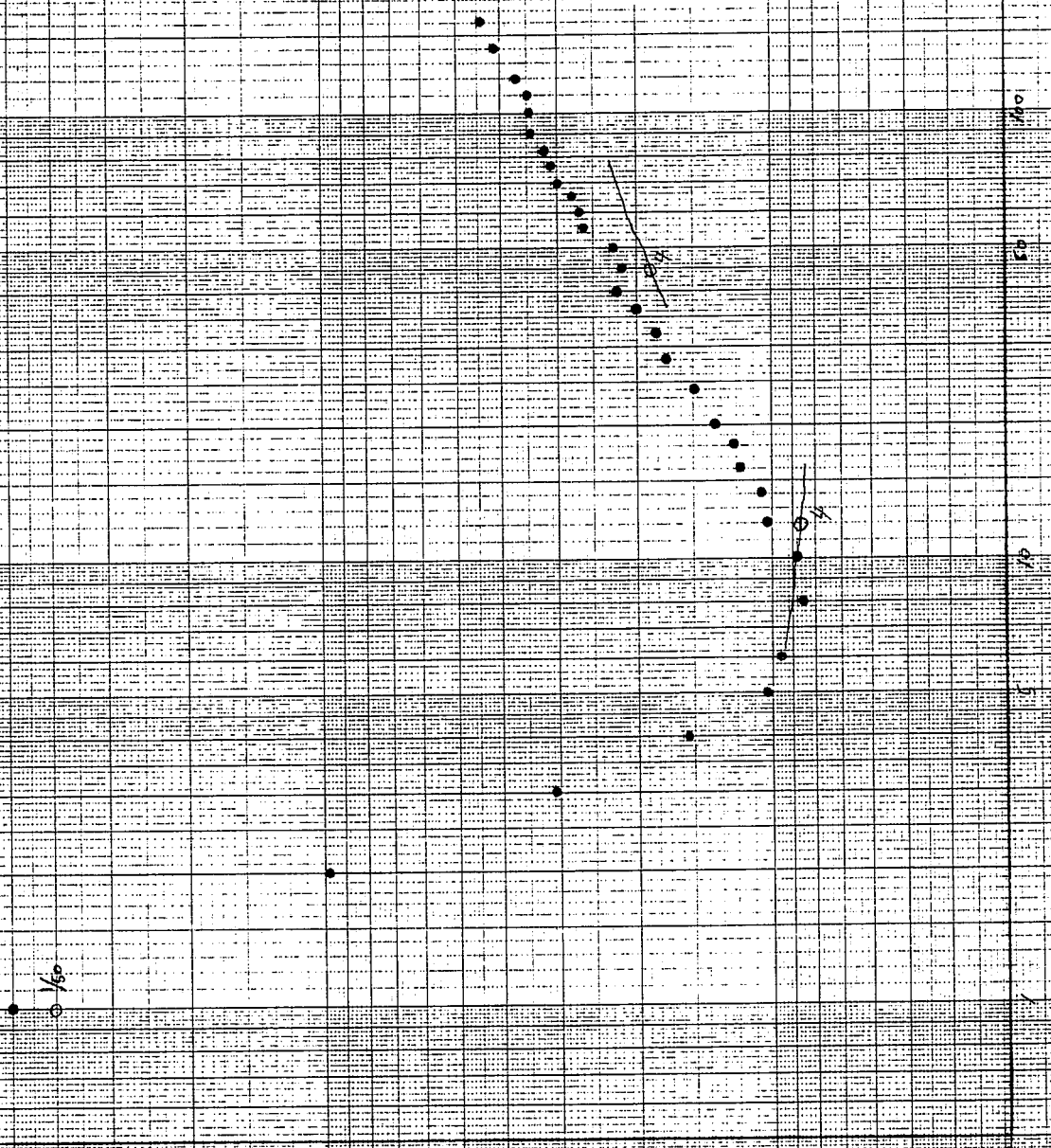
34

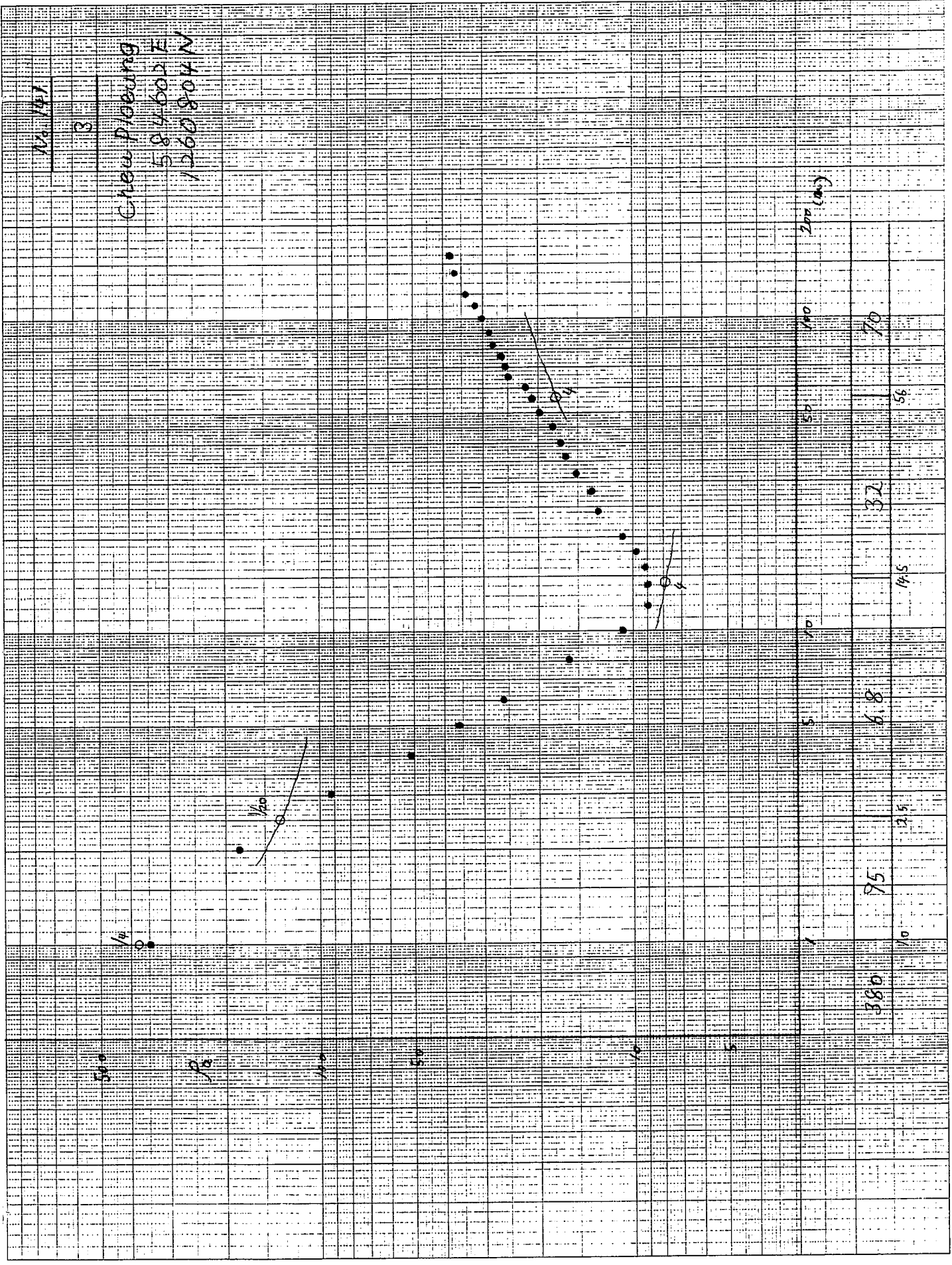
74

10

12

44





No. 141
3

Chew Picking
584602 E
1260804 W

1/4

1/2

1

2

5

10

380

95

6.8

10

2.5

14.5

32

56

70

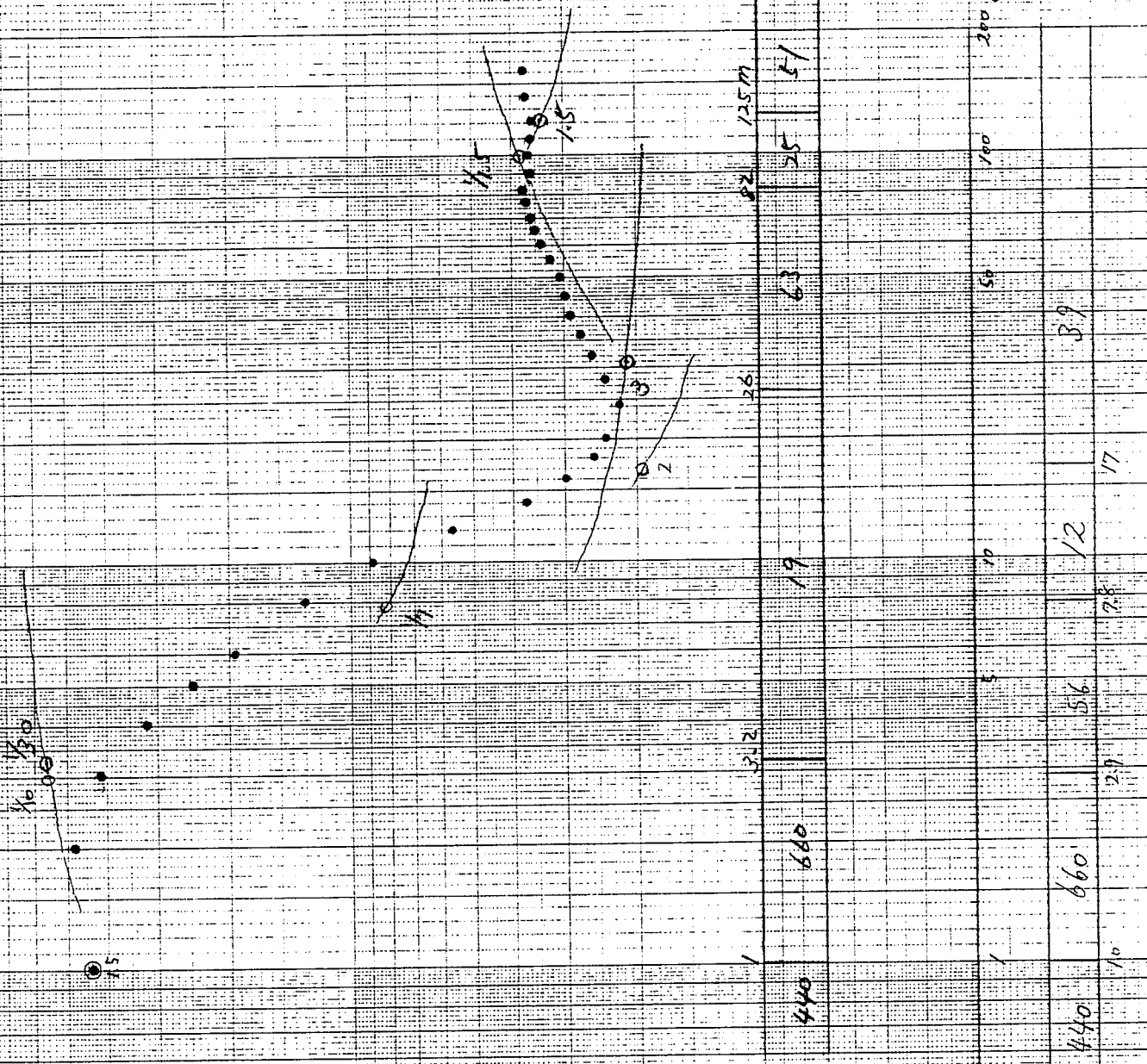
200 (ms)

No. 144

Th mei

589802 E

1256771 N



No. 184

R

Time:

588673 E
1256541 W

18.7

A₂

92

100

50

10

5

5

185

370

70

370

19

26 M

57

10

50

100

200 (m)

35

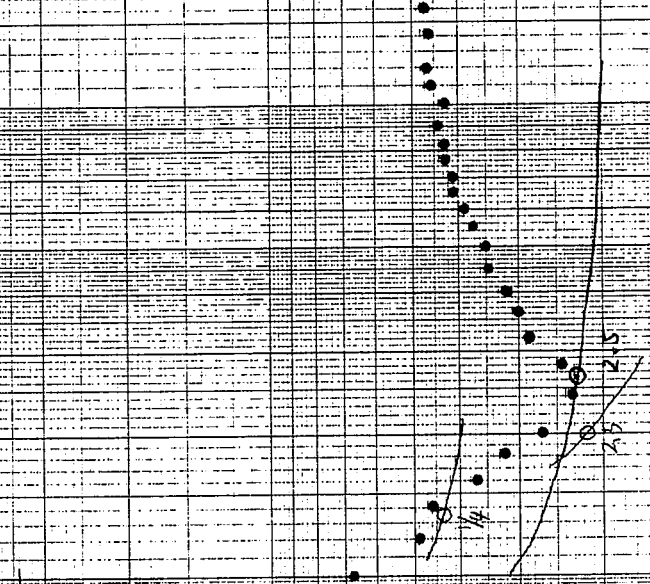
34

11

135

70

54



10/144

3

Thermei

580145 E

1256657 N

45

60

500

20

10

5

10

5

1

620

41

10

40

75

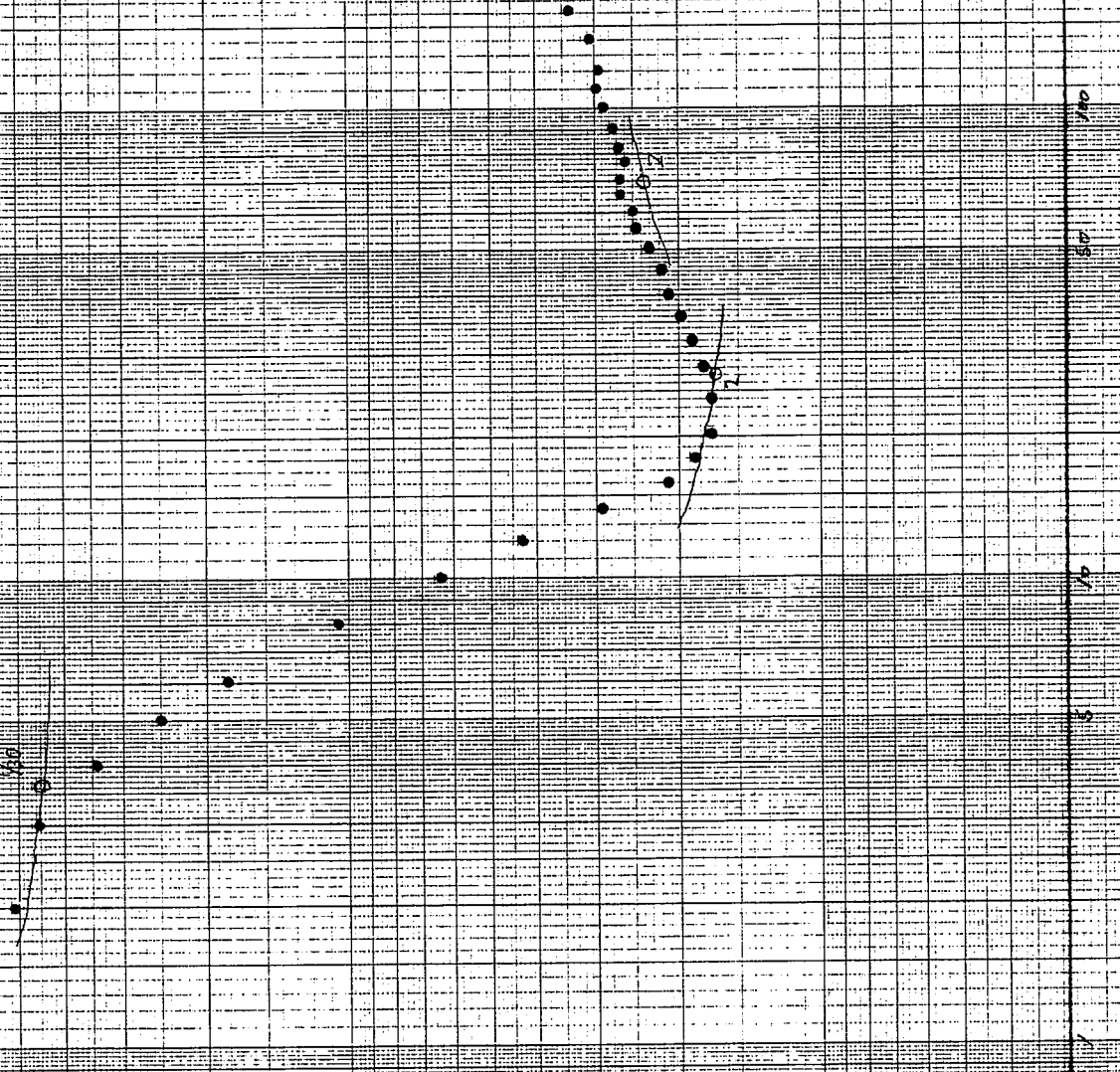
27

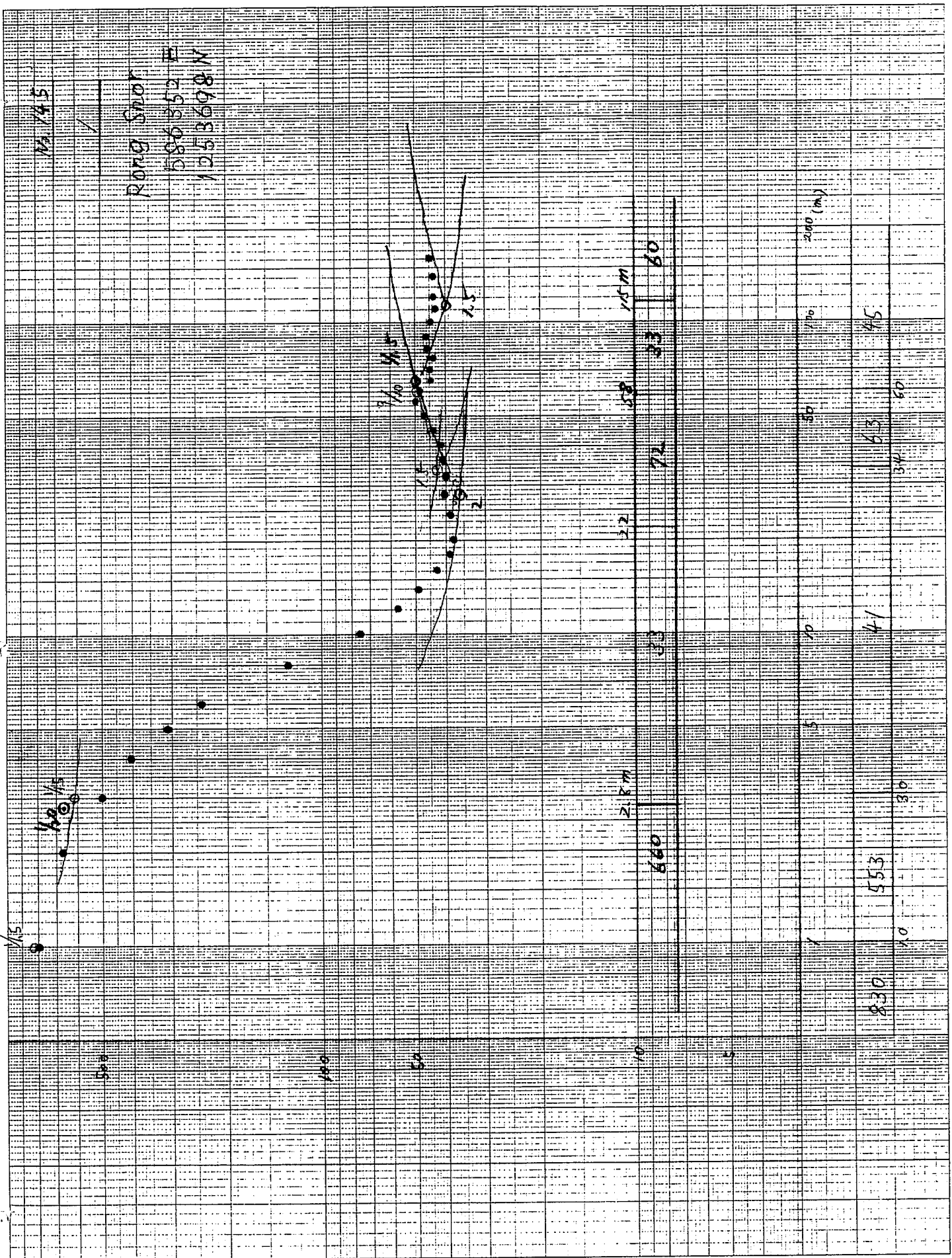
33

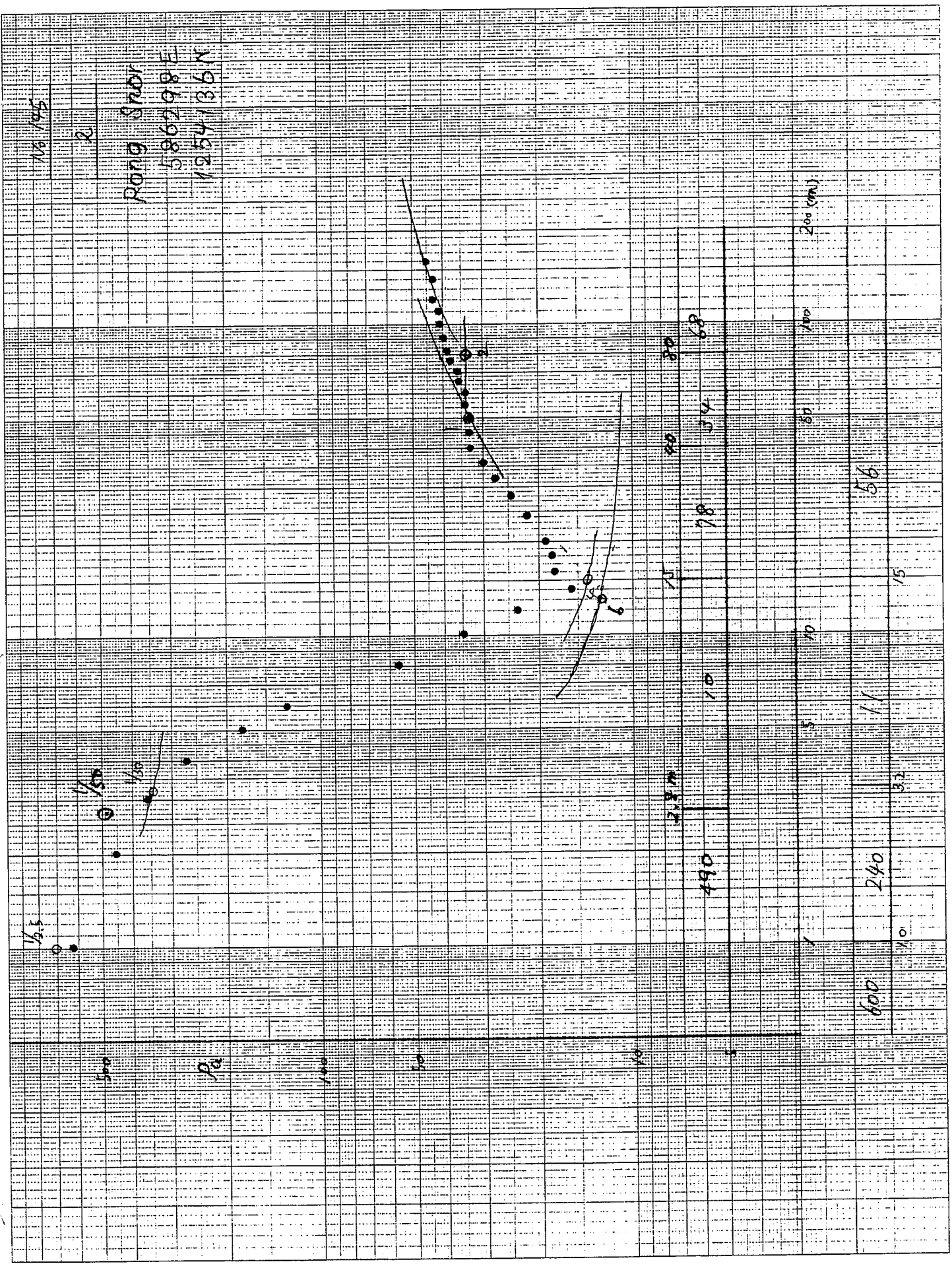
90

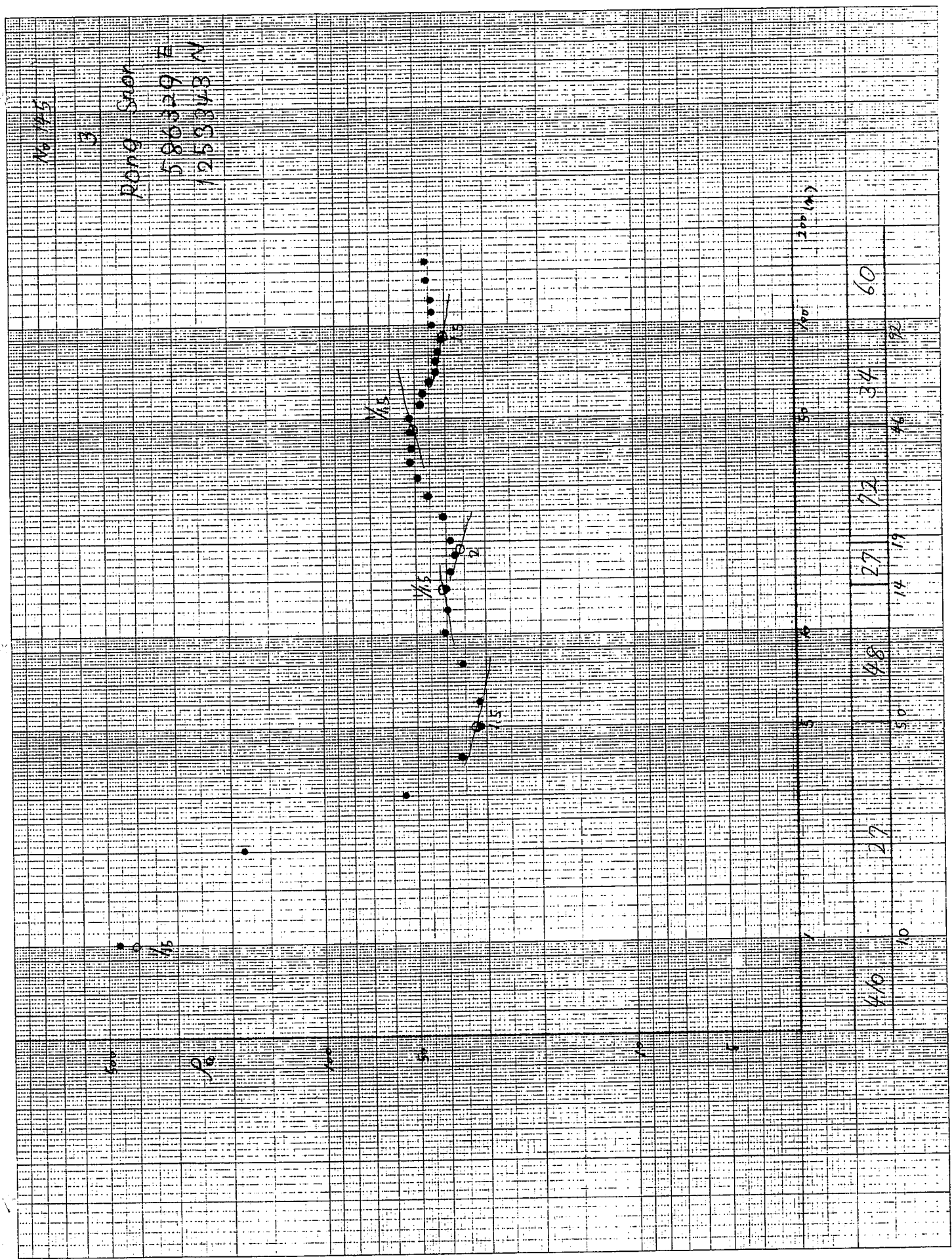
48

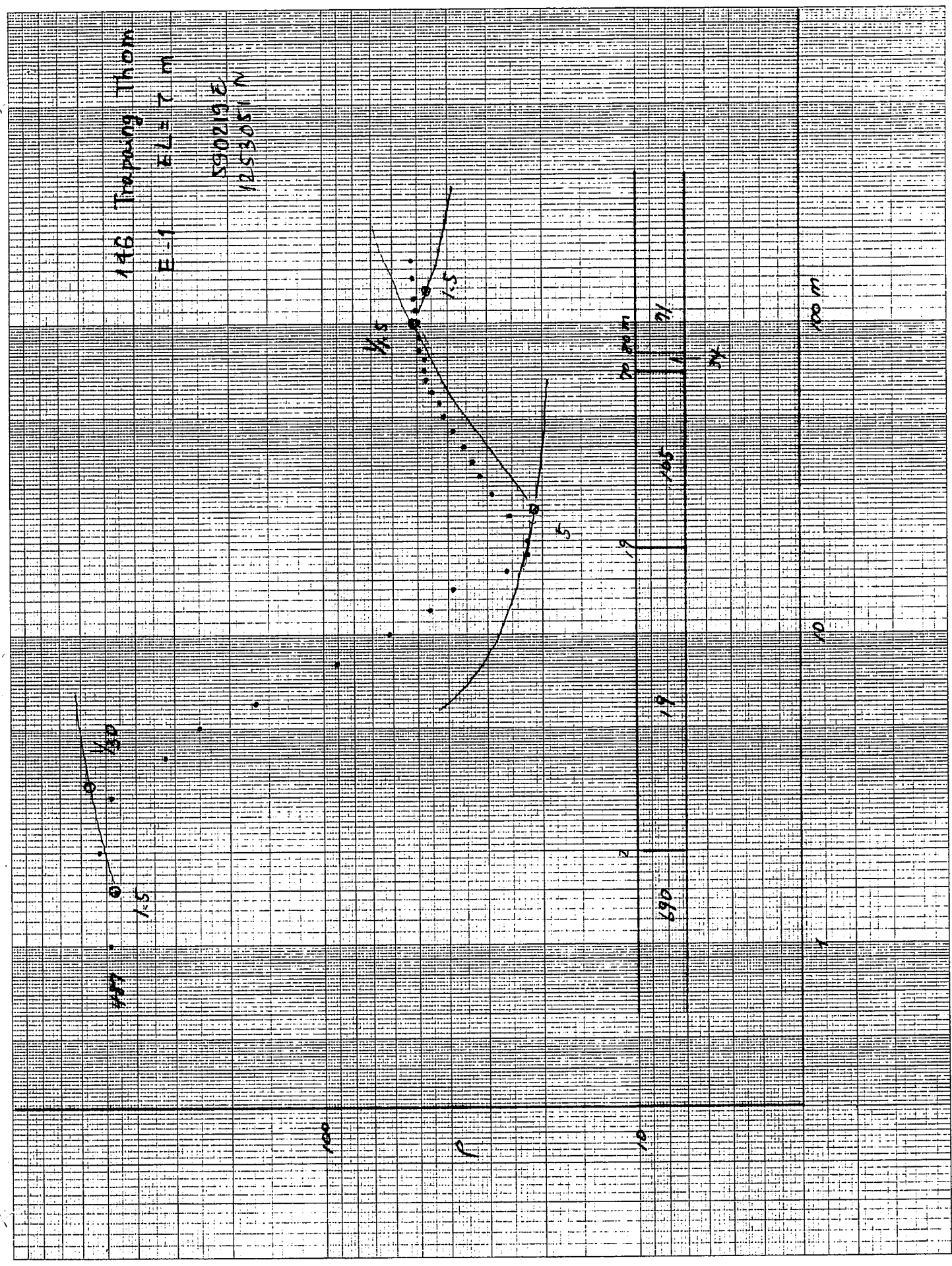
200 (km)



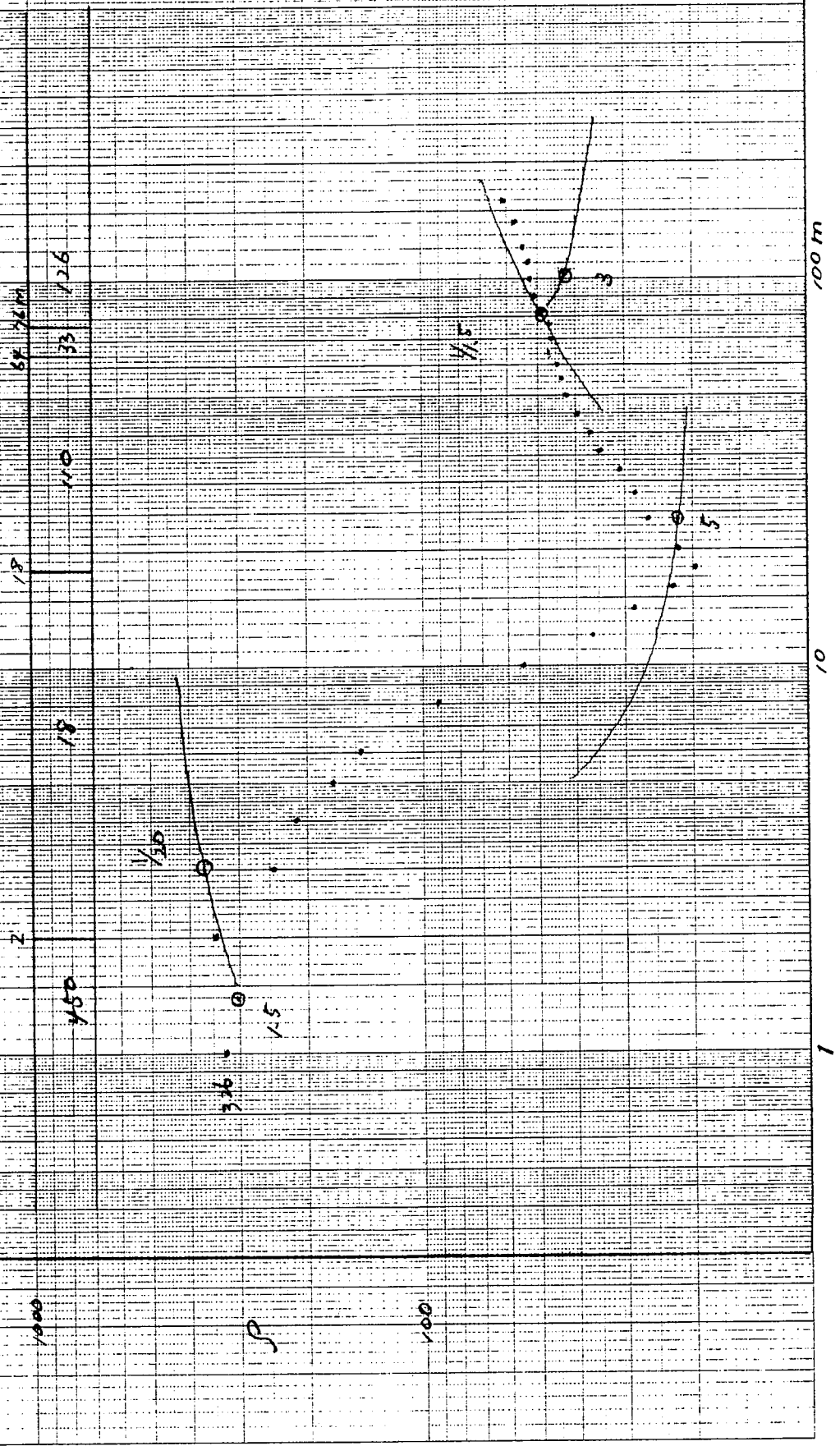








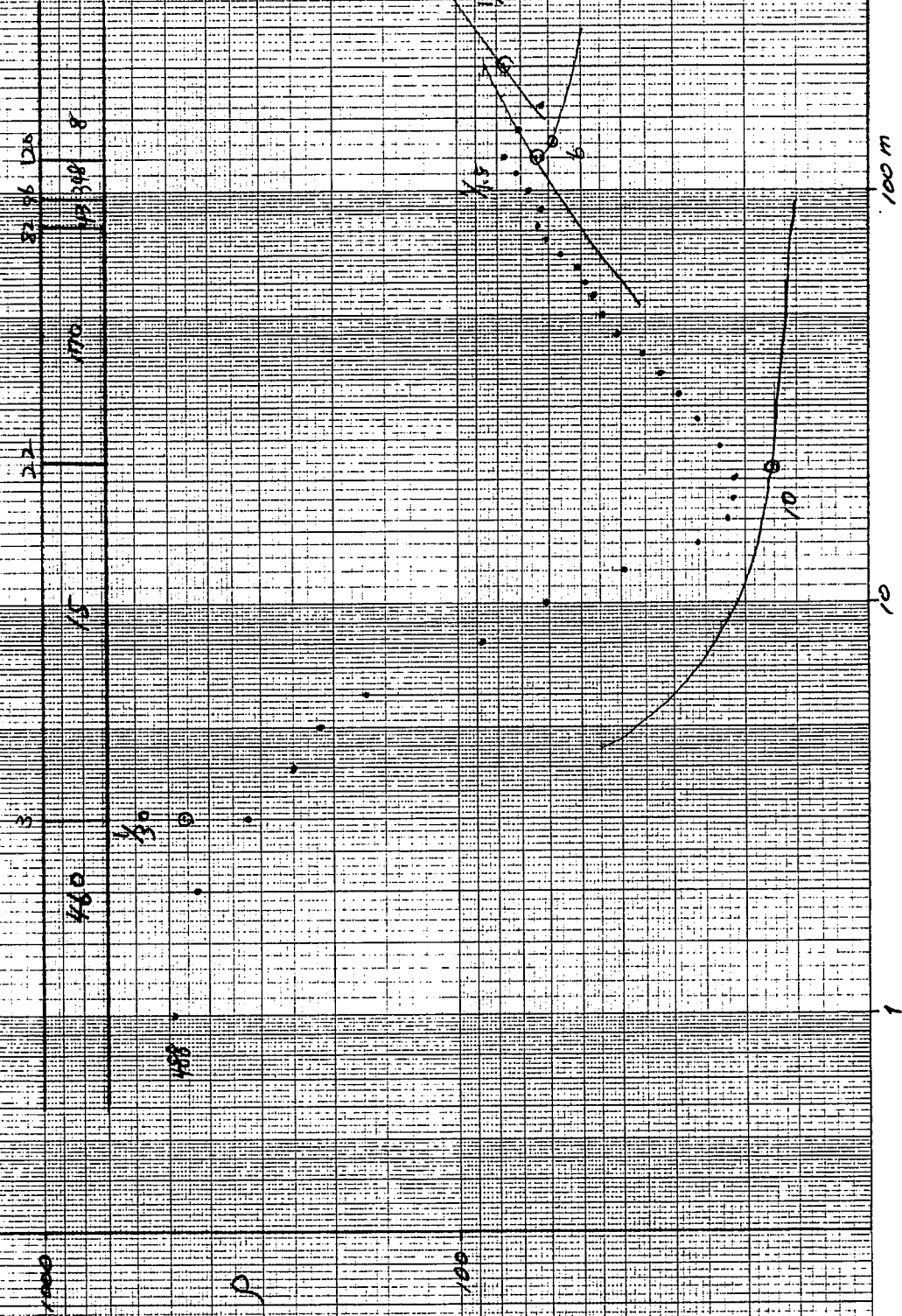
146 Trapaing Thom
 E-2 EL= 7 m
 590627E
 1253032N



100 m
 10
 1

146 Traupung Thom
E-B EL = 7 m m

590370 E
1253130 W



12/156

SV04 POK
593757 E
1256967 W

40

500

100

150

50

10

10

5

2.6

500

10

12

12

23

80

10

100

200 (m)

500

10

68

58

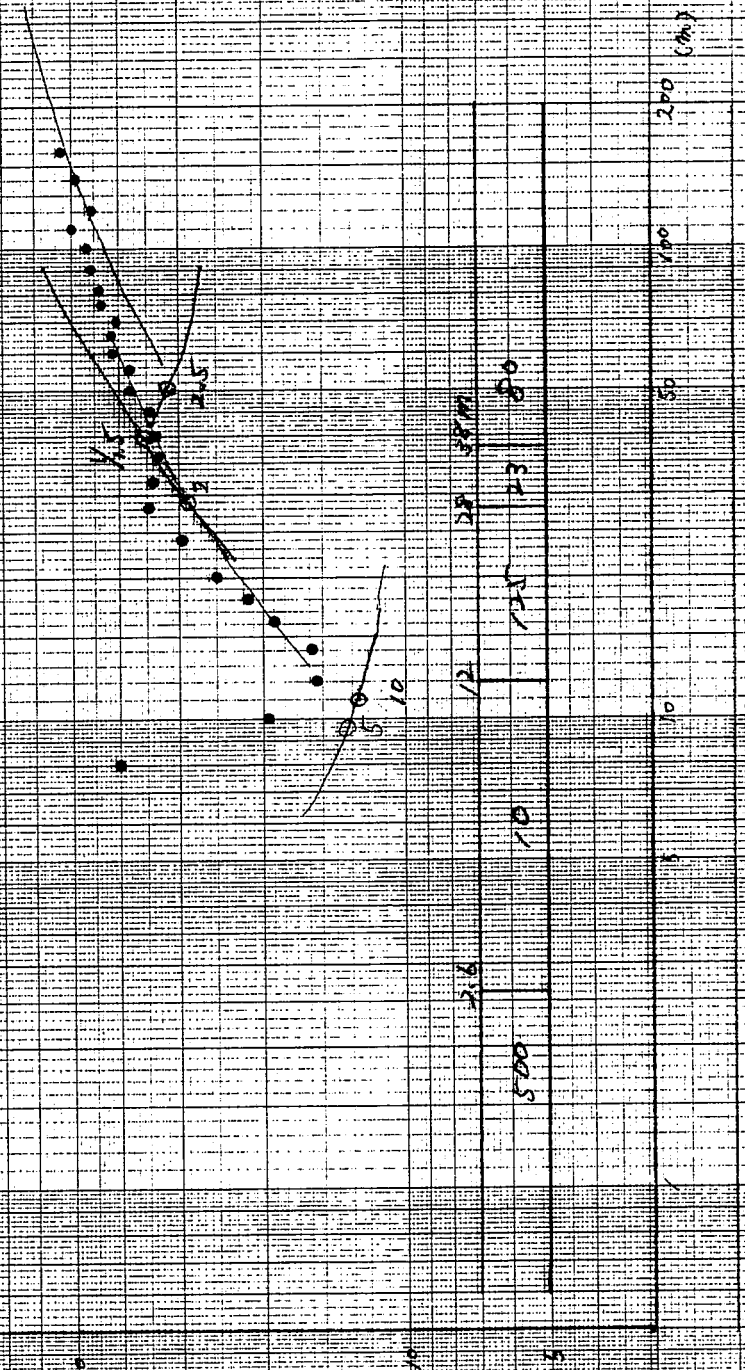
2.6

8.8

29

100

200 (m)



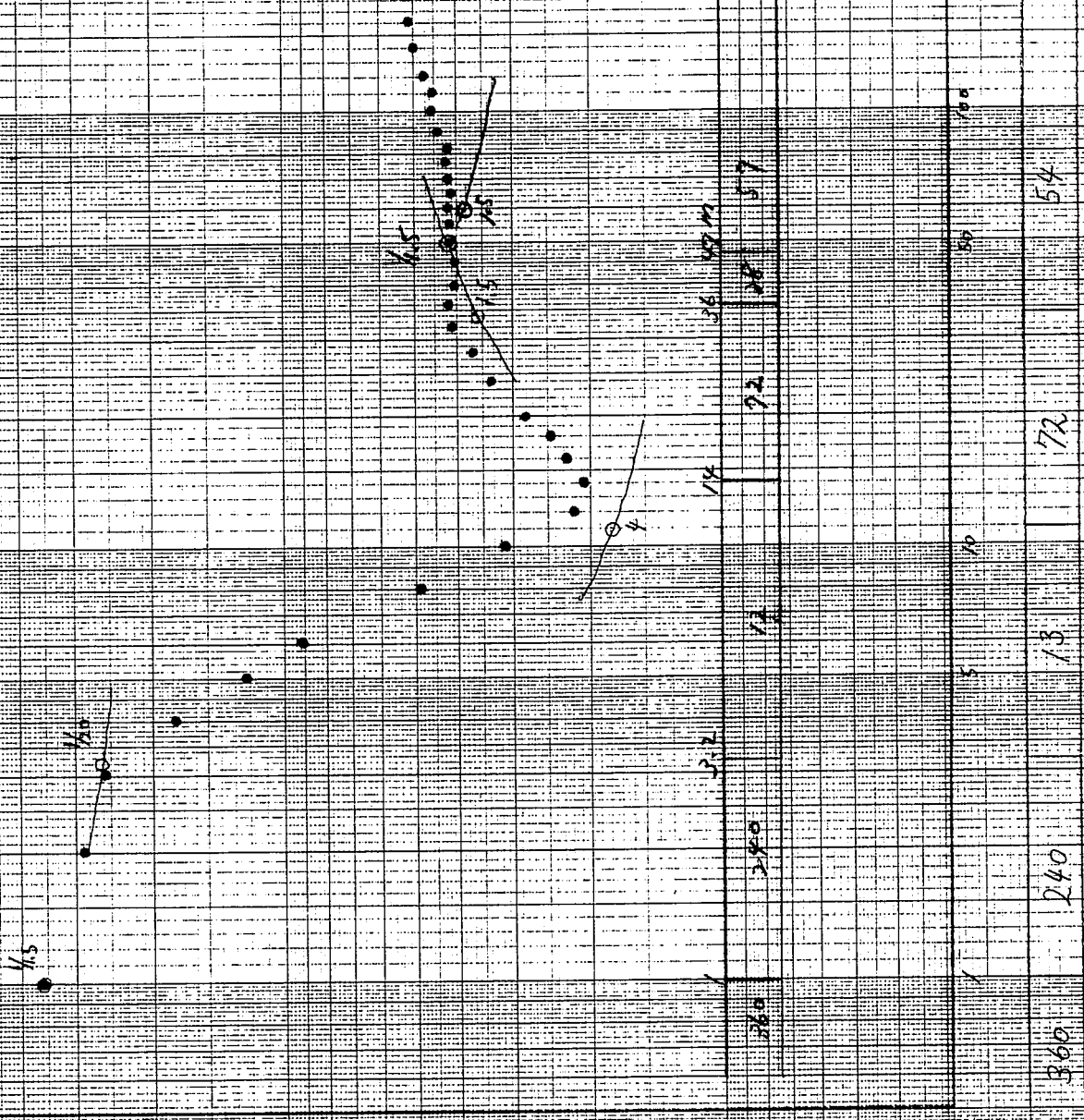
No. 150

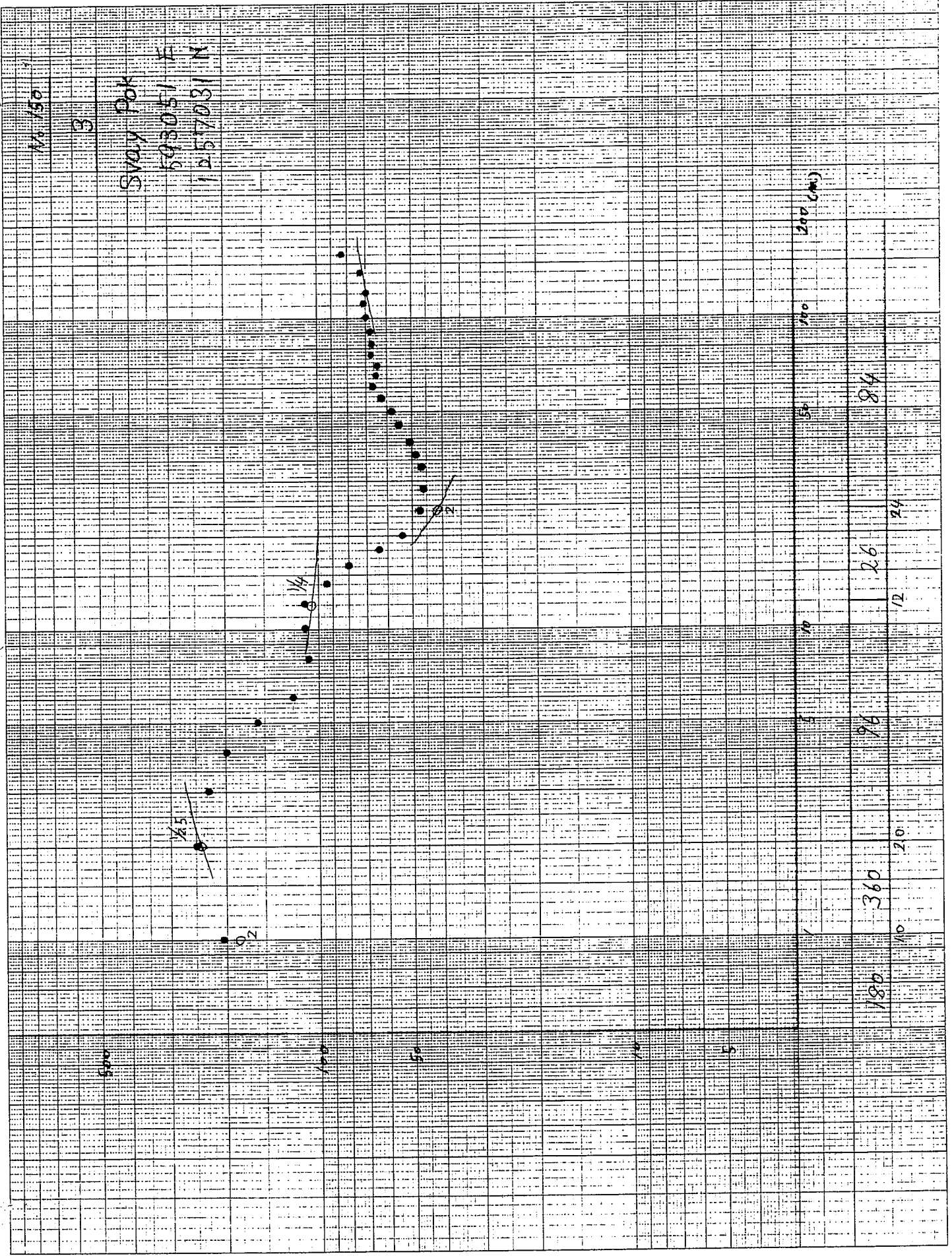
2

Sway Dek

504605 F

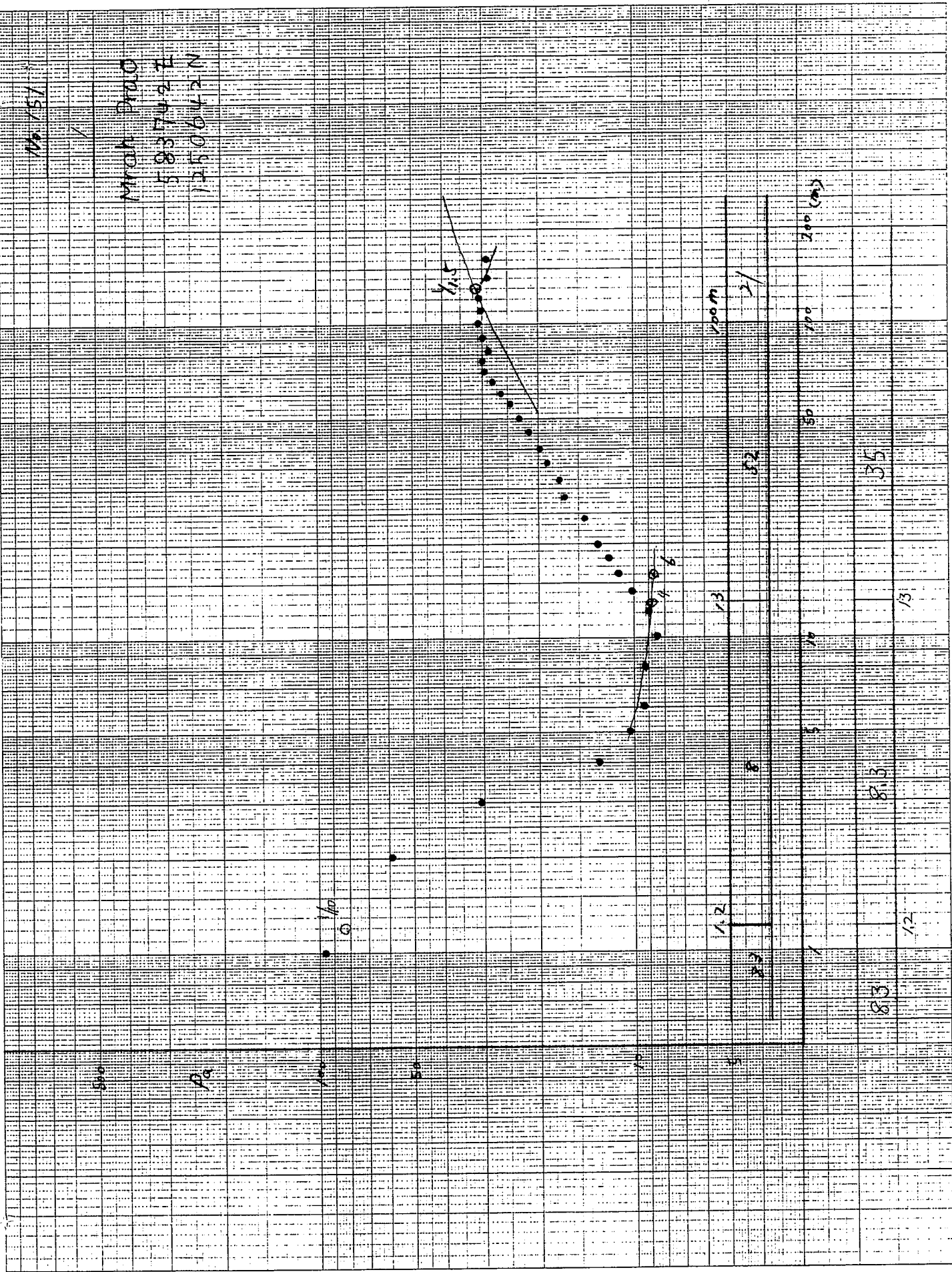
1257126 N





19757

Mrah Diao
583742 E
1250642 N



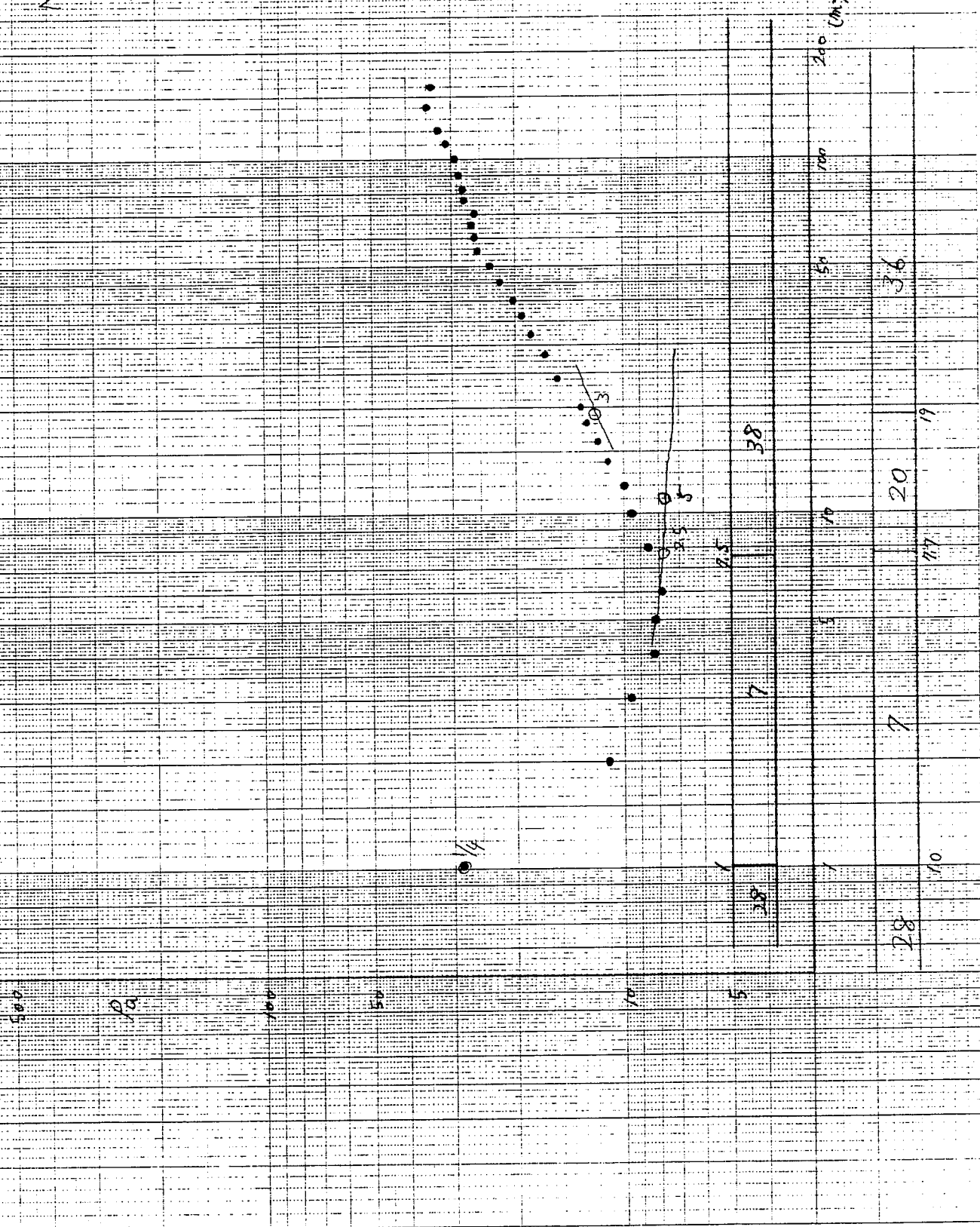
35

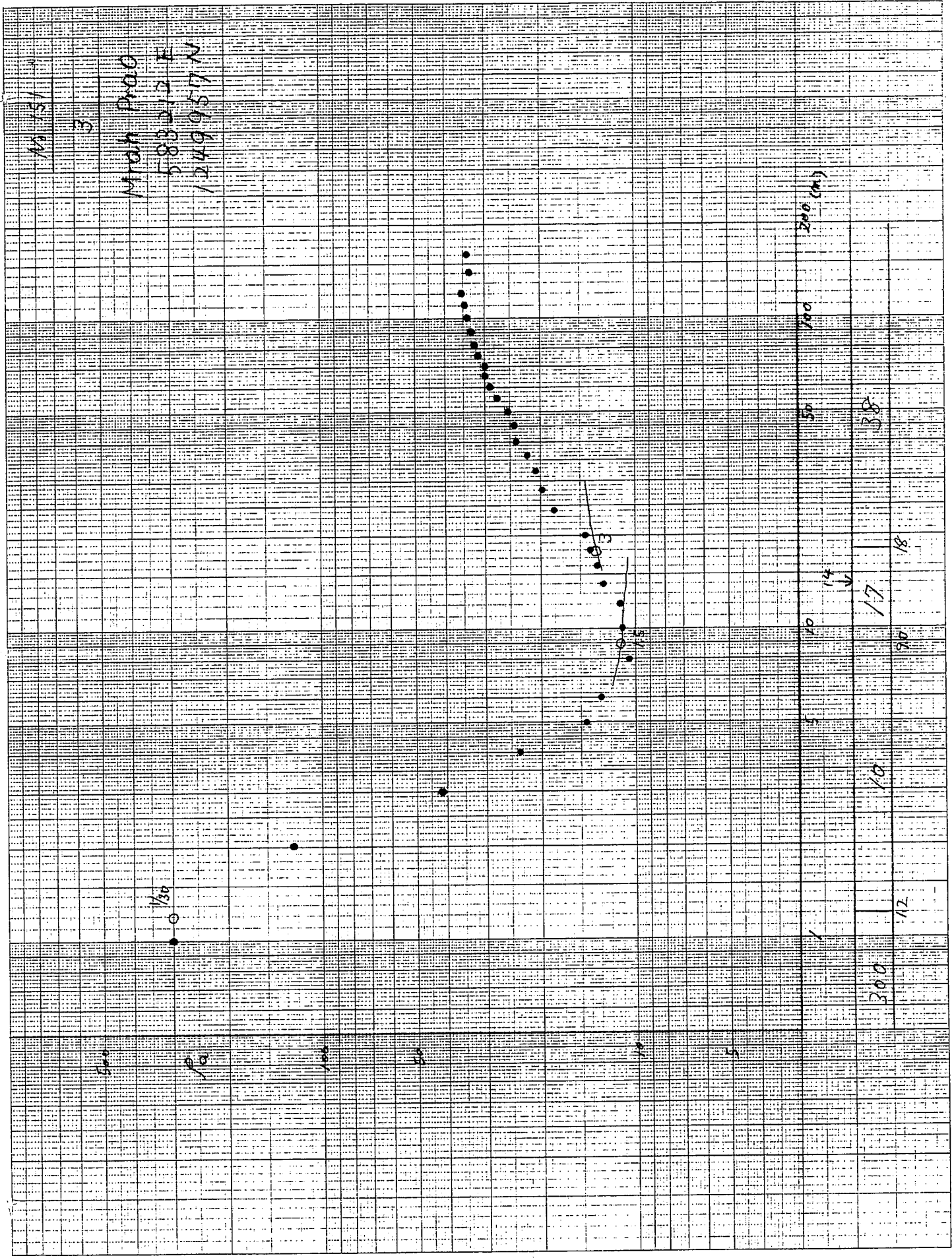
8.3

83

No. 151
2

Mach Proad
584148 E
1250300 N



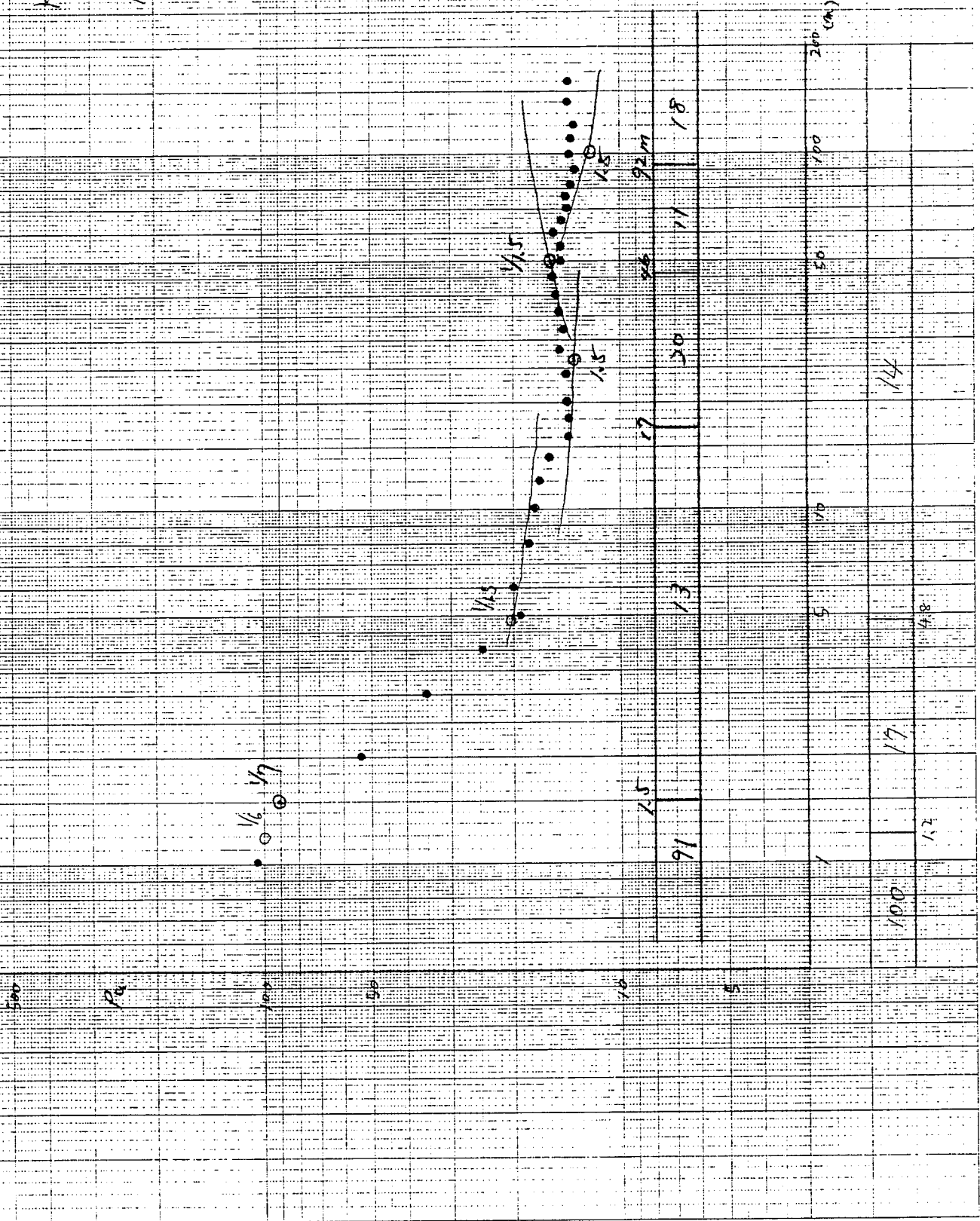


10/153

Kondal

027503 E

1215445 N



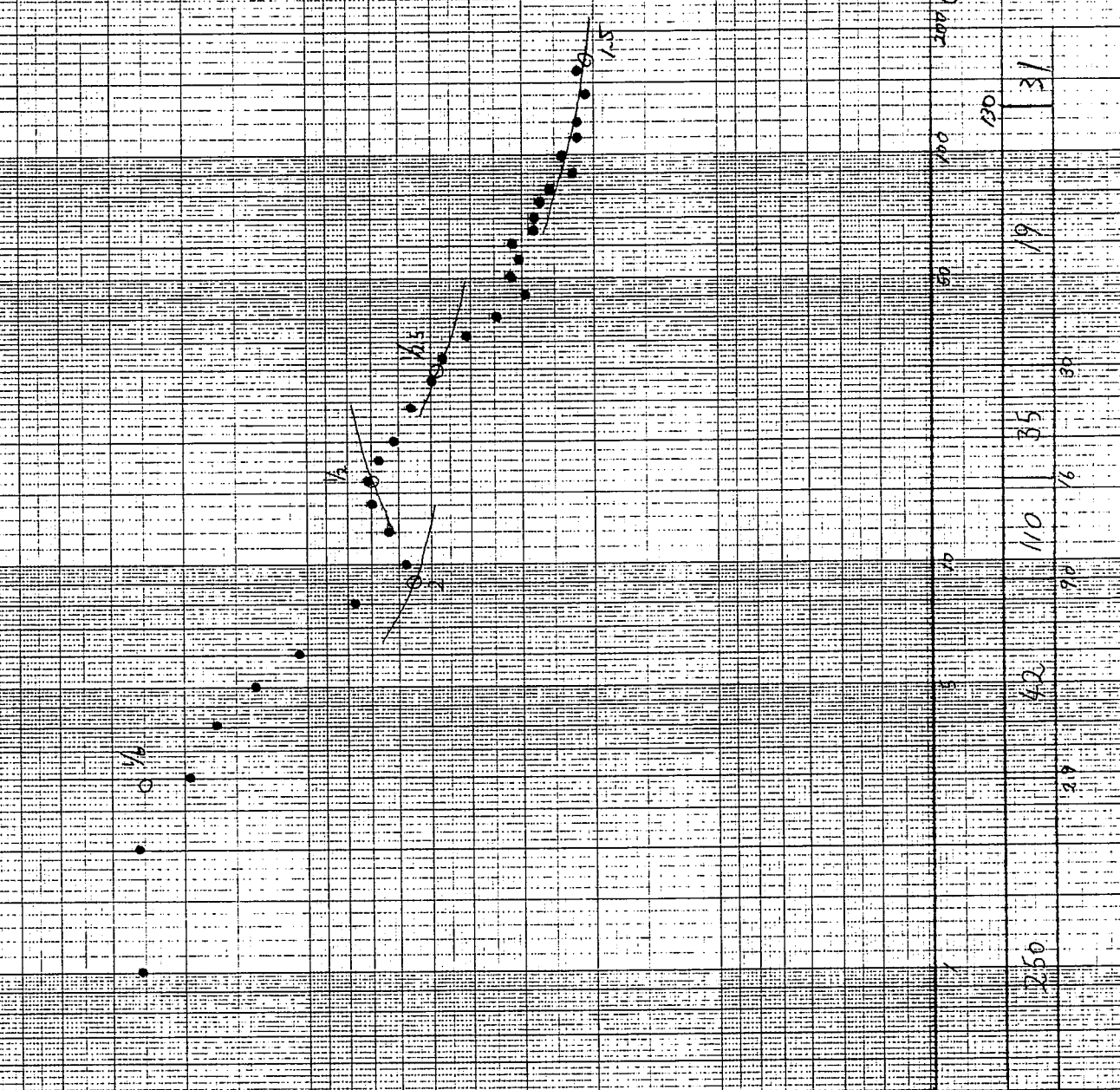
1/19/53

2

Kandal

628540 E

1215373 N



250	100	120
120	110	130
	120	140
	130	150
	140	160
	150	170
	160	180
	170	190
	180	200
	190	210
	200	220
	210	230
	220	240
	230	250

198.753

3

Kondal

629505 E

1215355 N

500

400

300

200

100

0

1

2/5

3/1

1/8

27

40

4

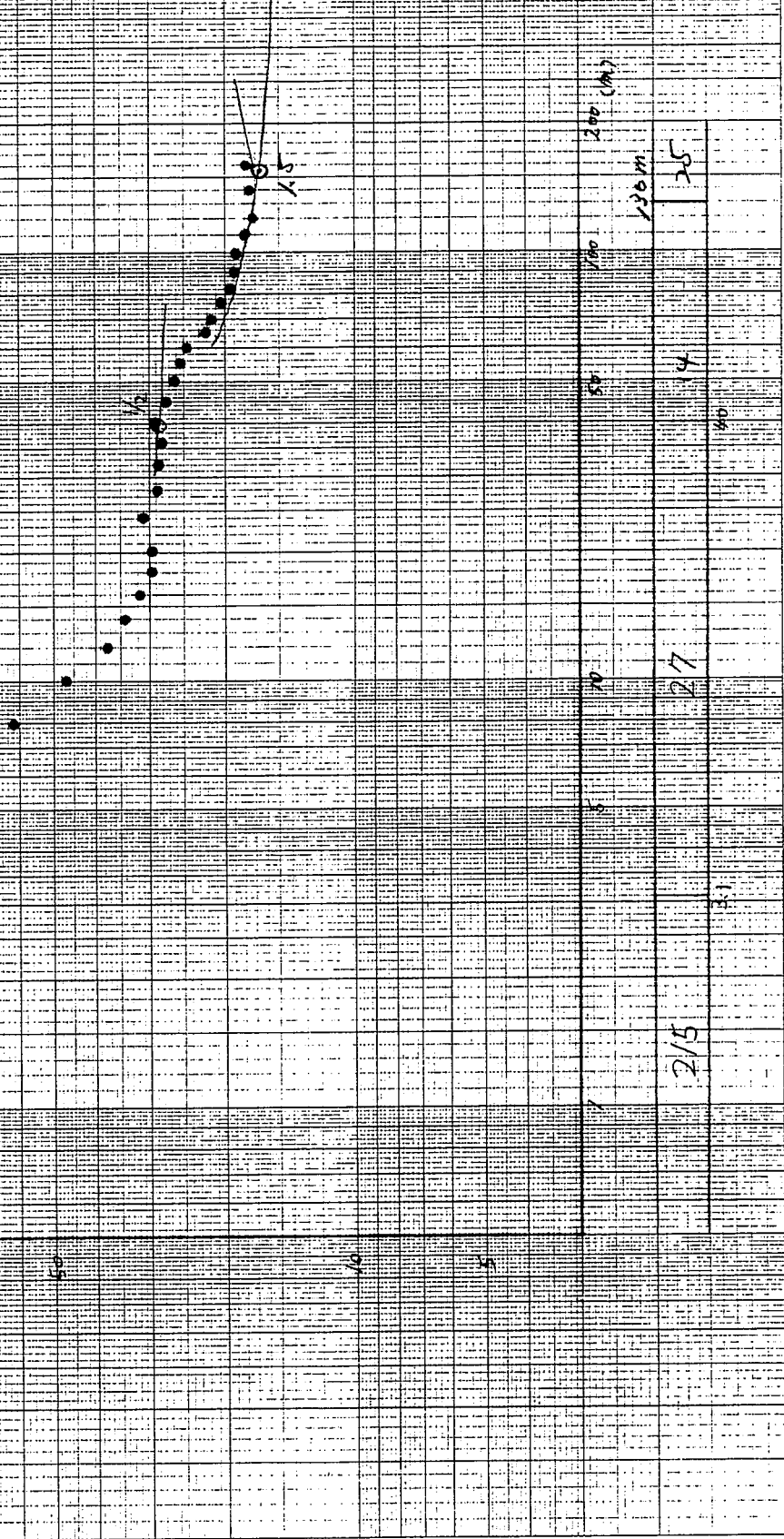
25

200 (M)

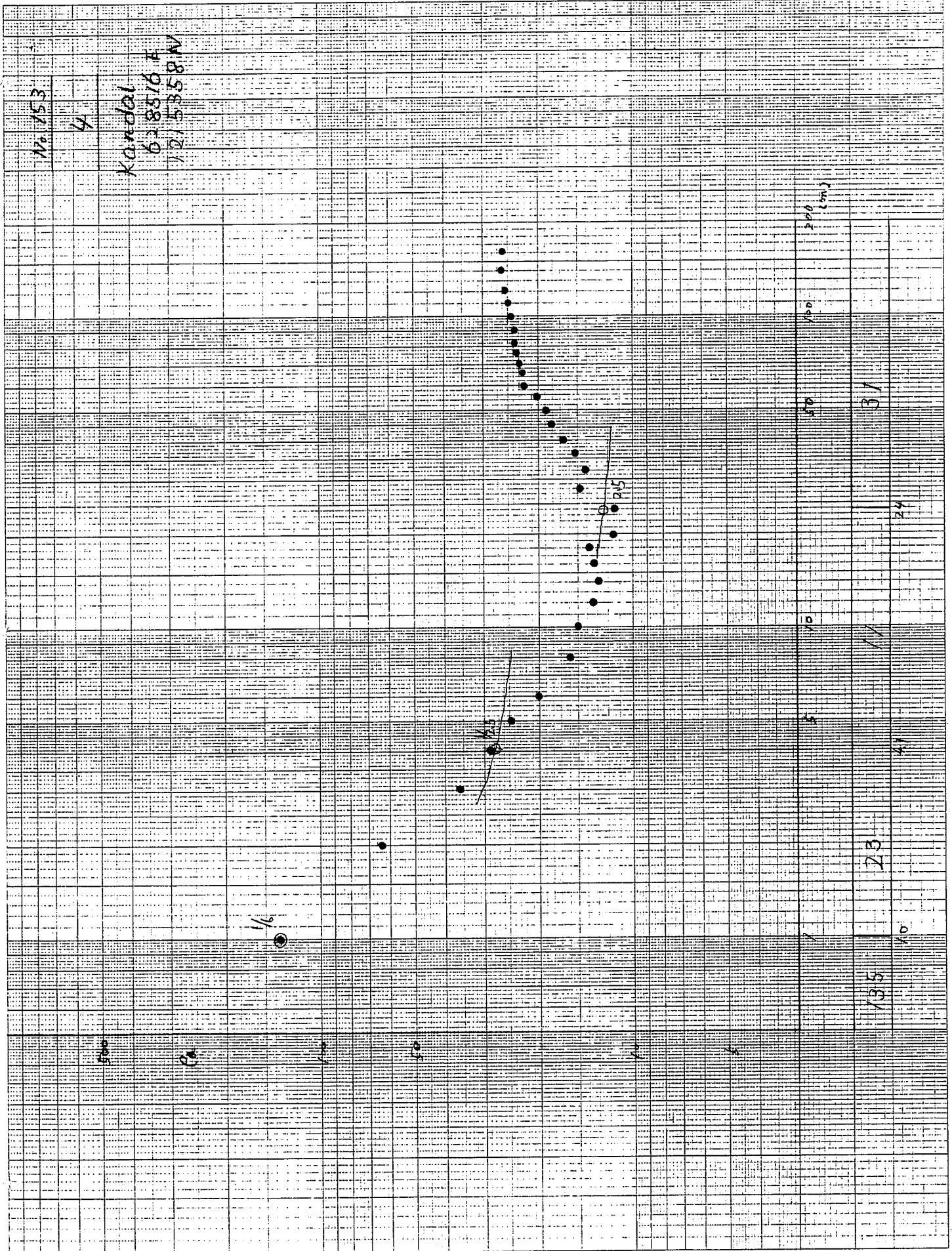
130 m

1.5

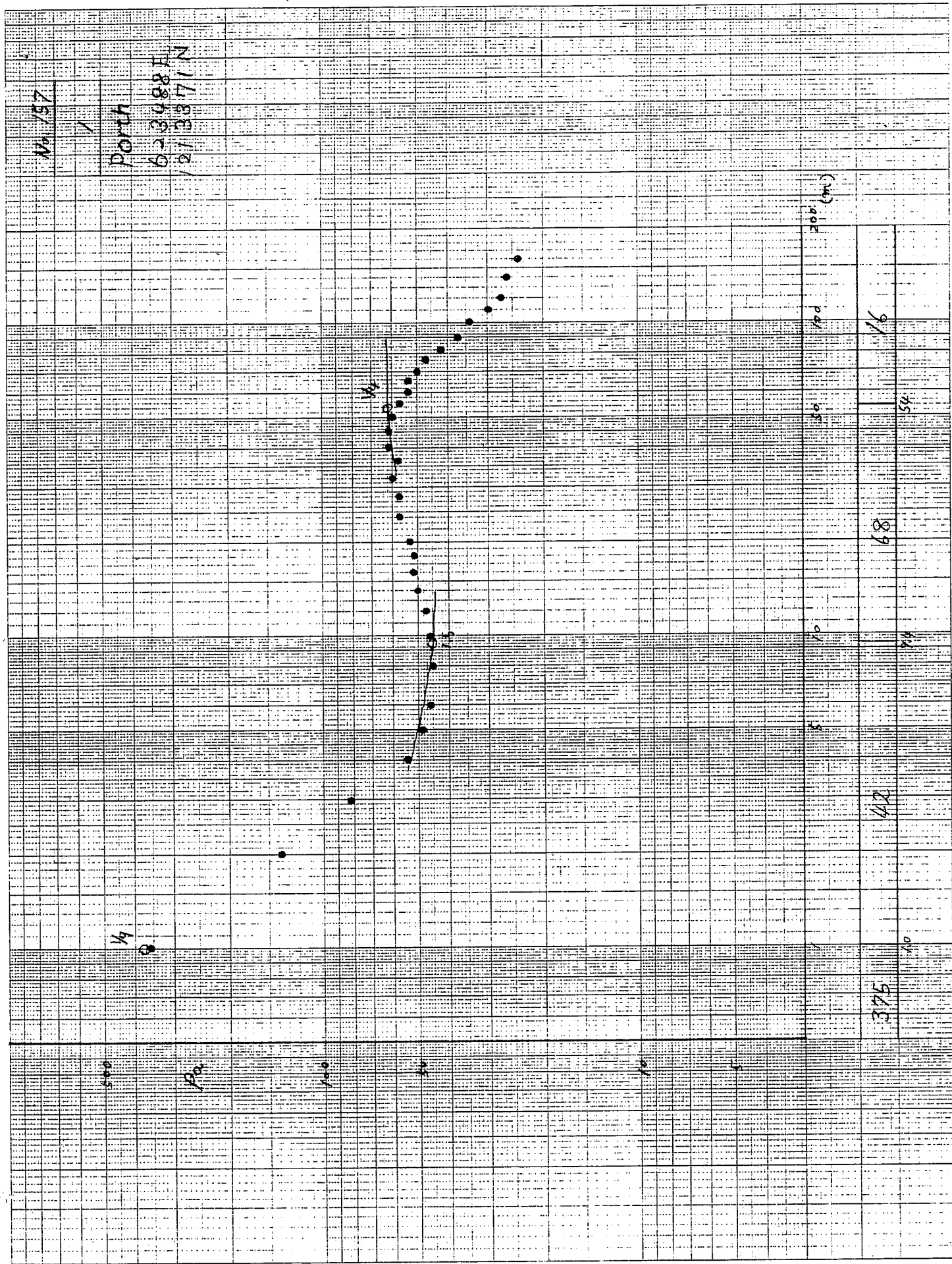
1/6



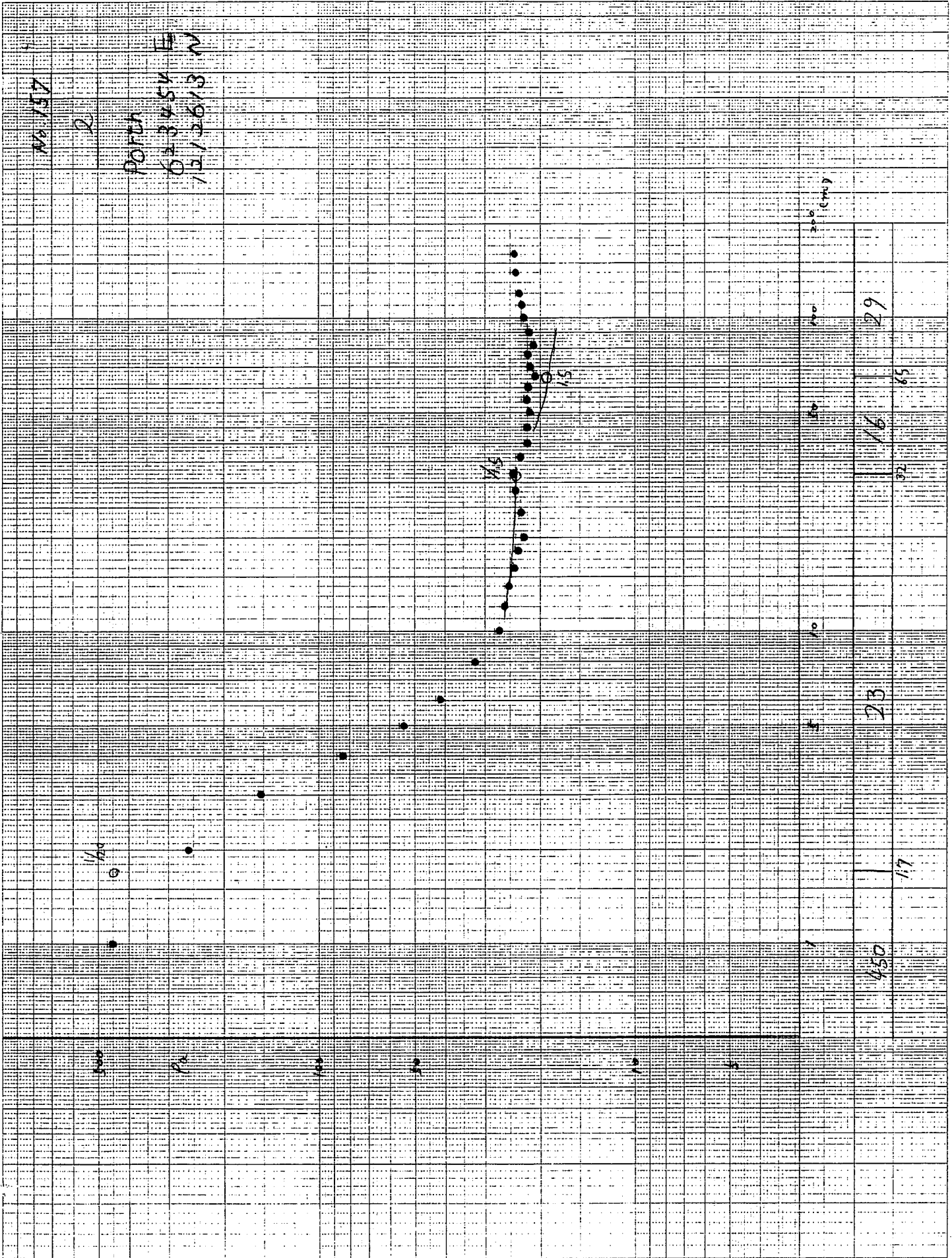
Log Log



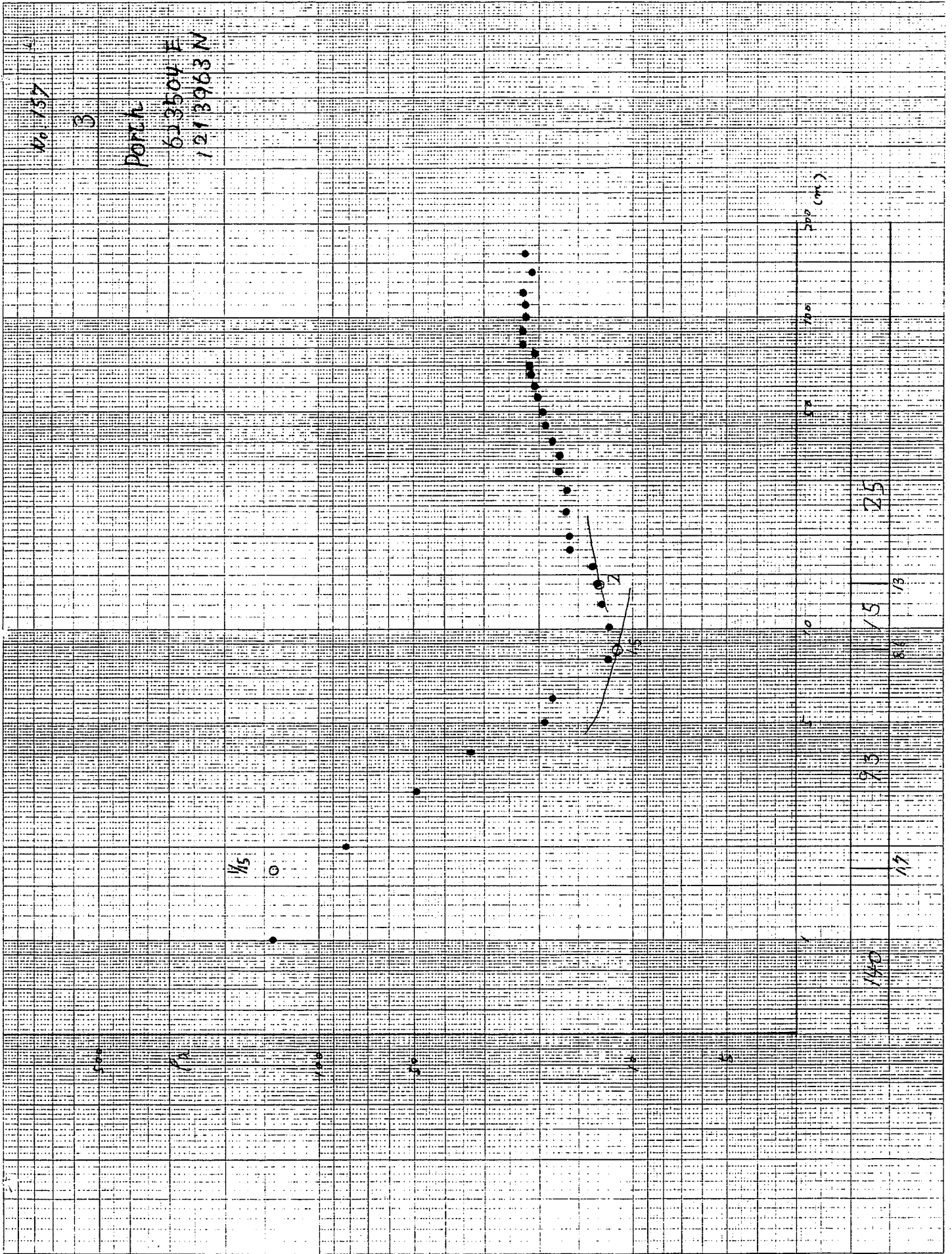
Log Log



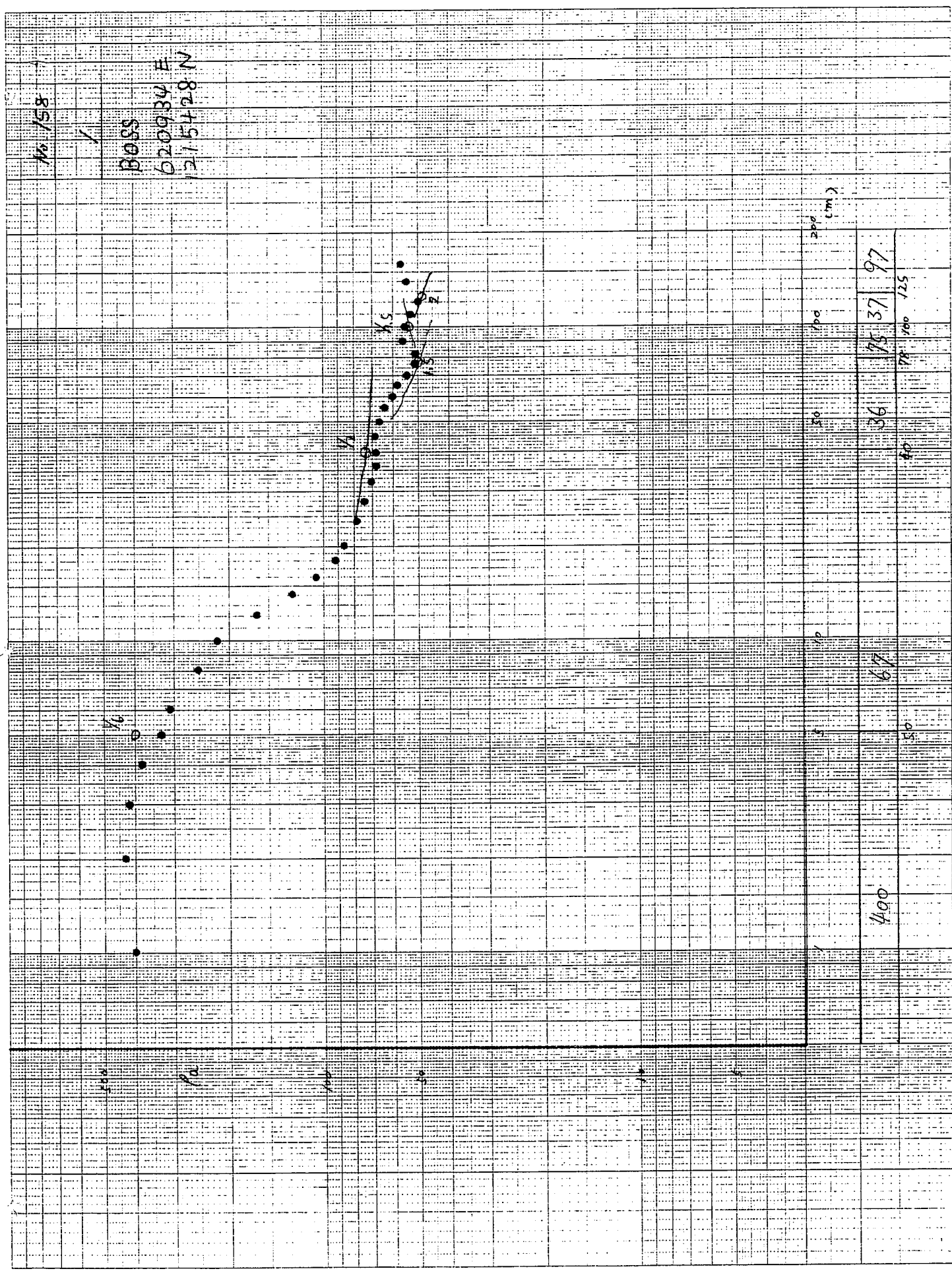
Log, Log

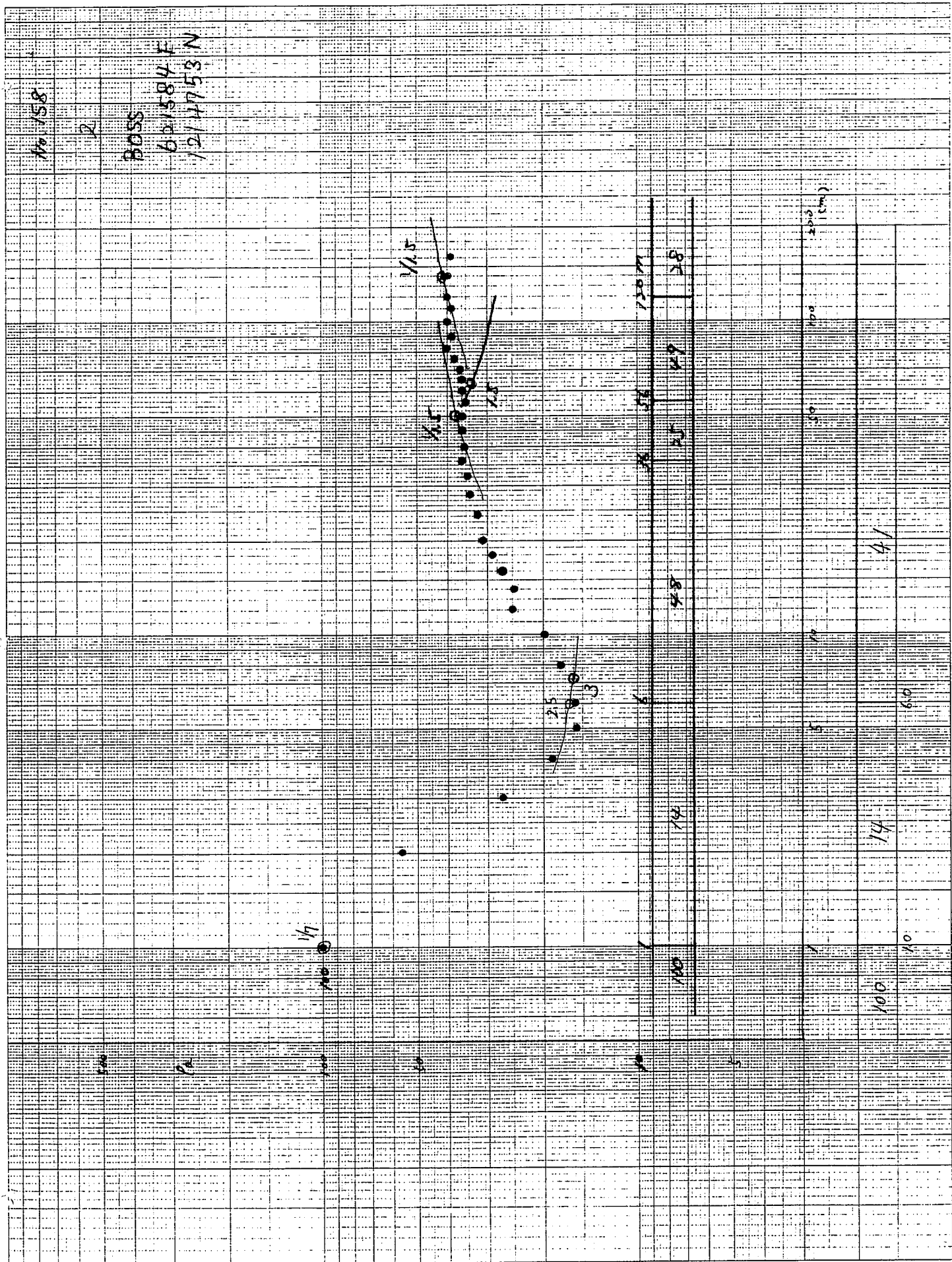


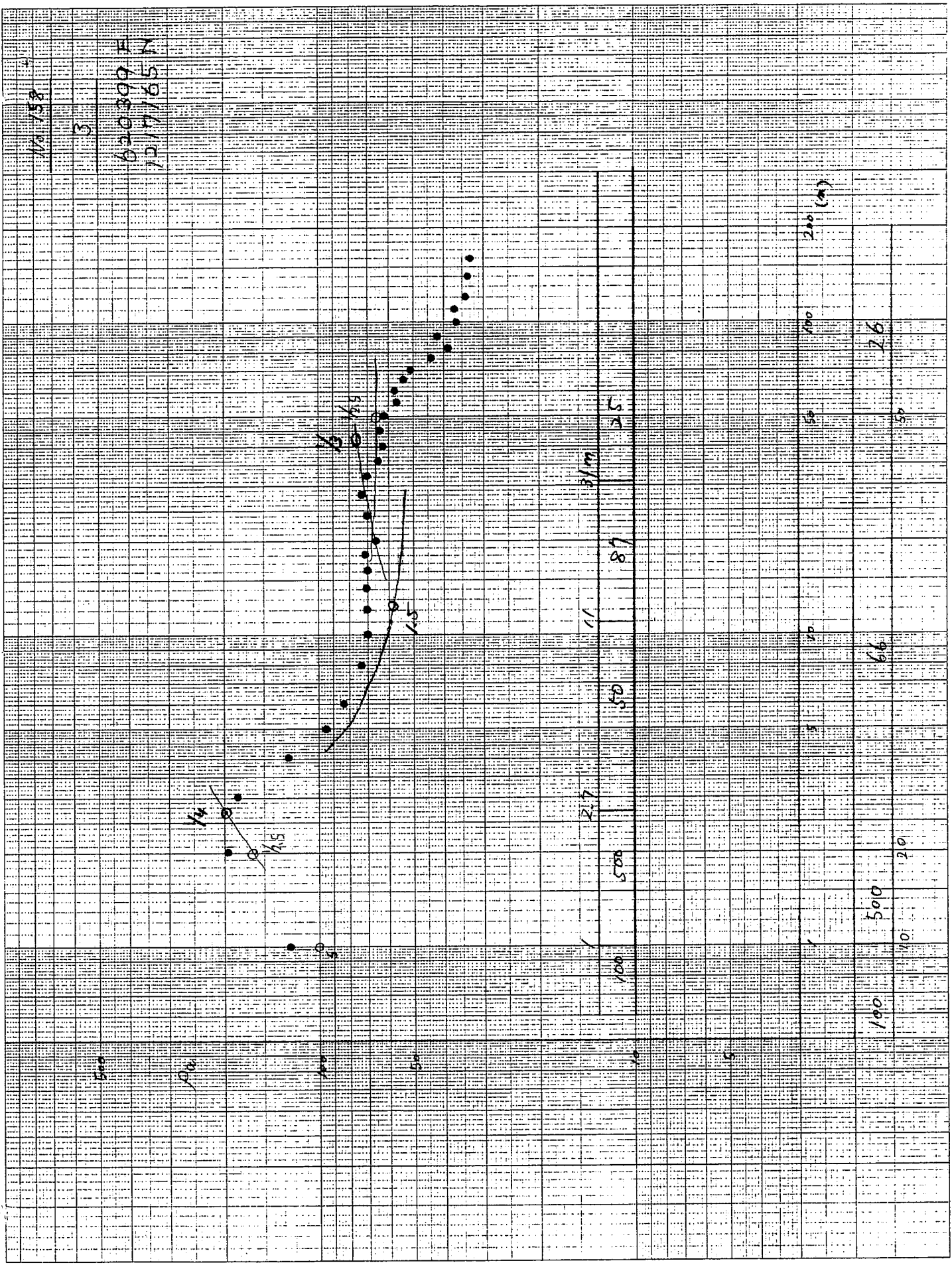
Log-Log



LOG LOG







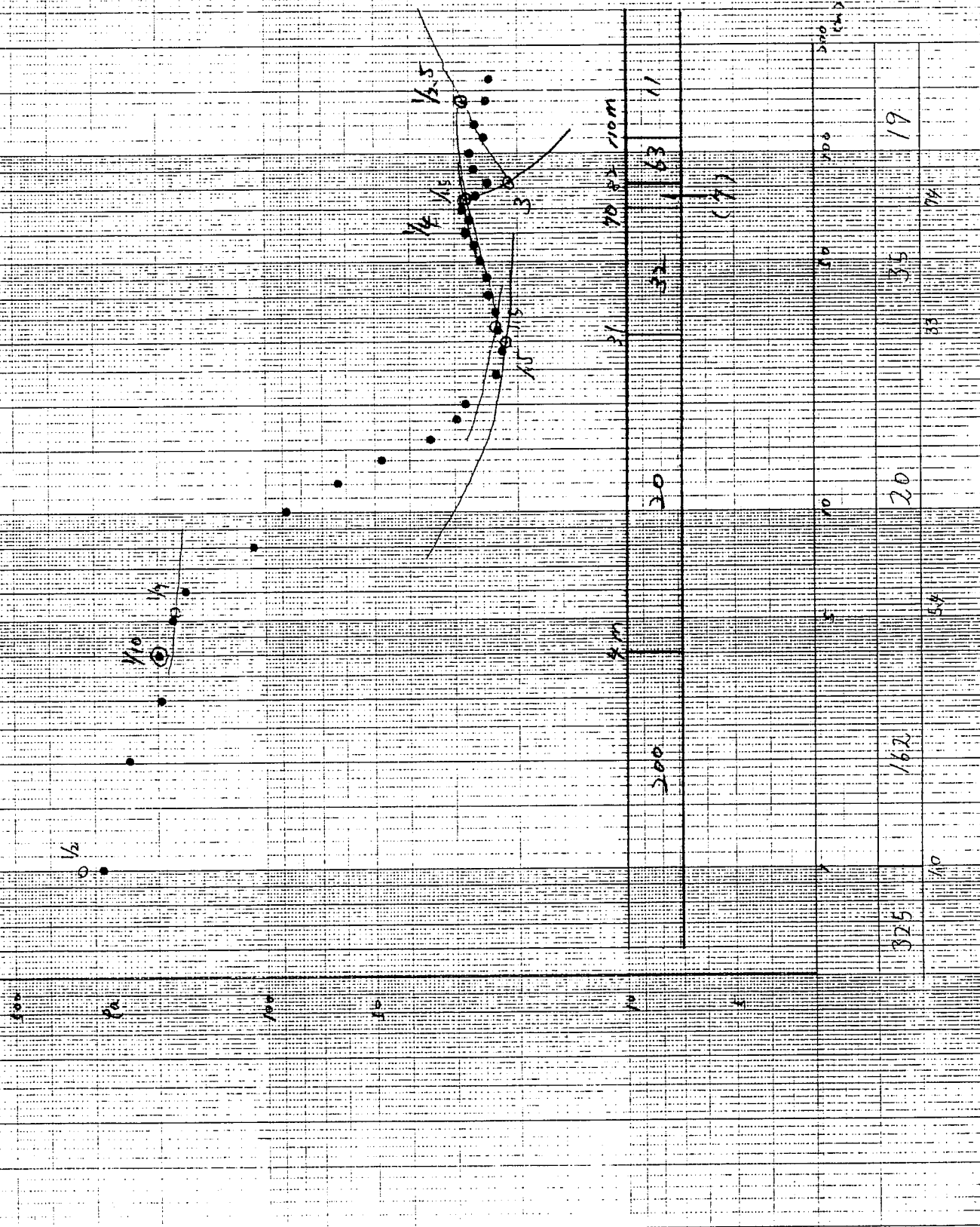
620809 F
12/17/66 N

16/158

3

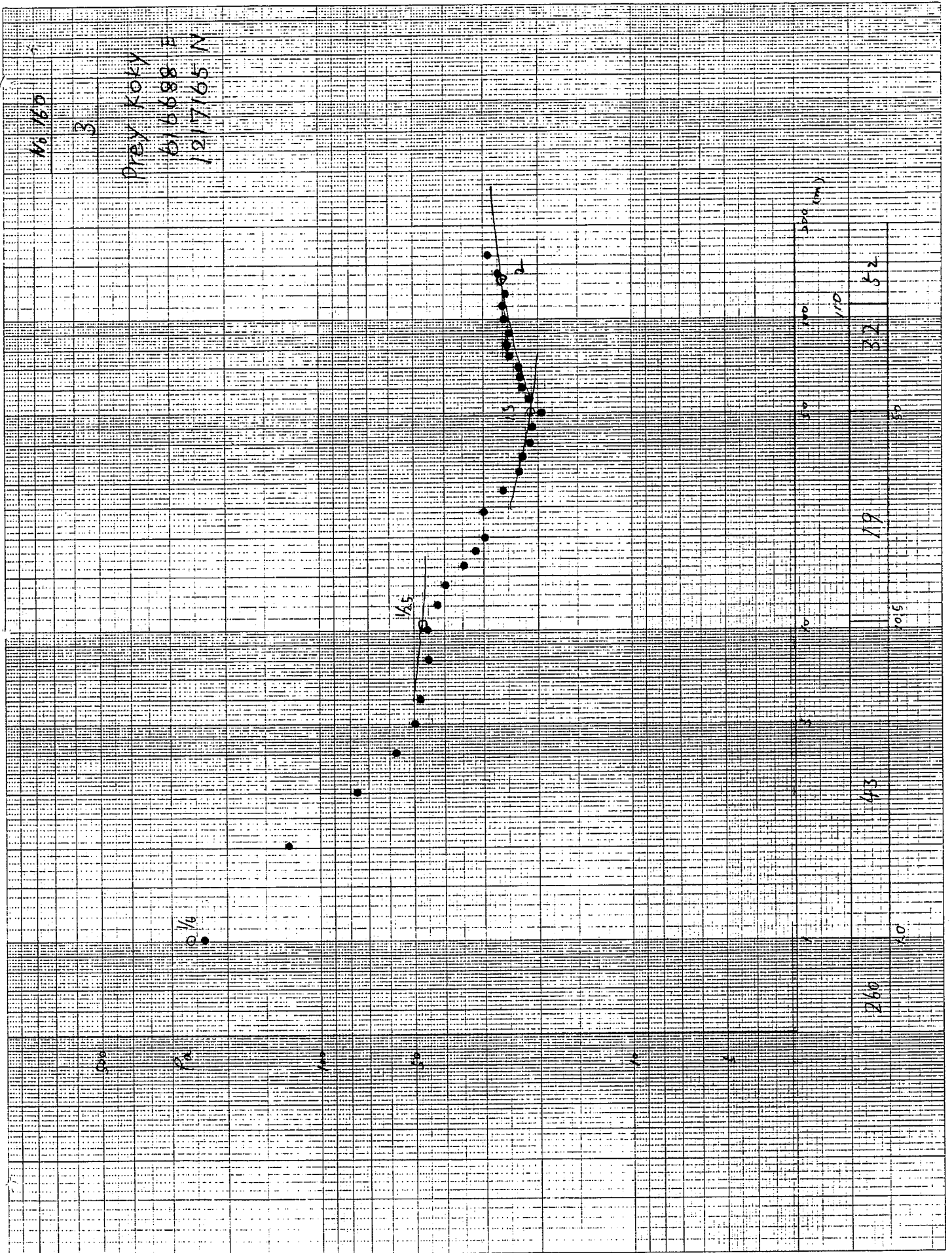
14.750
2

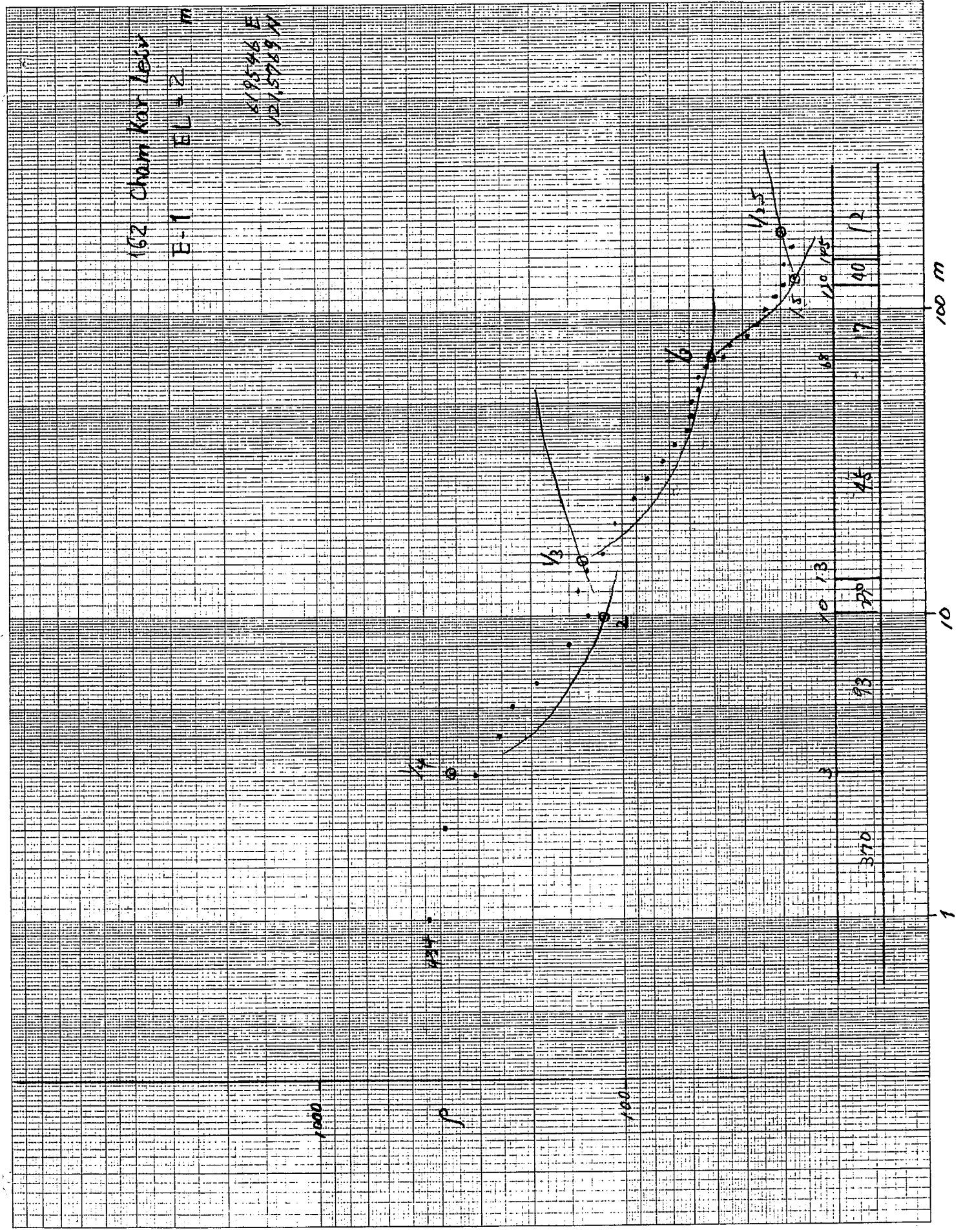
Prey Koky
615230 E
12117766 N

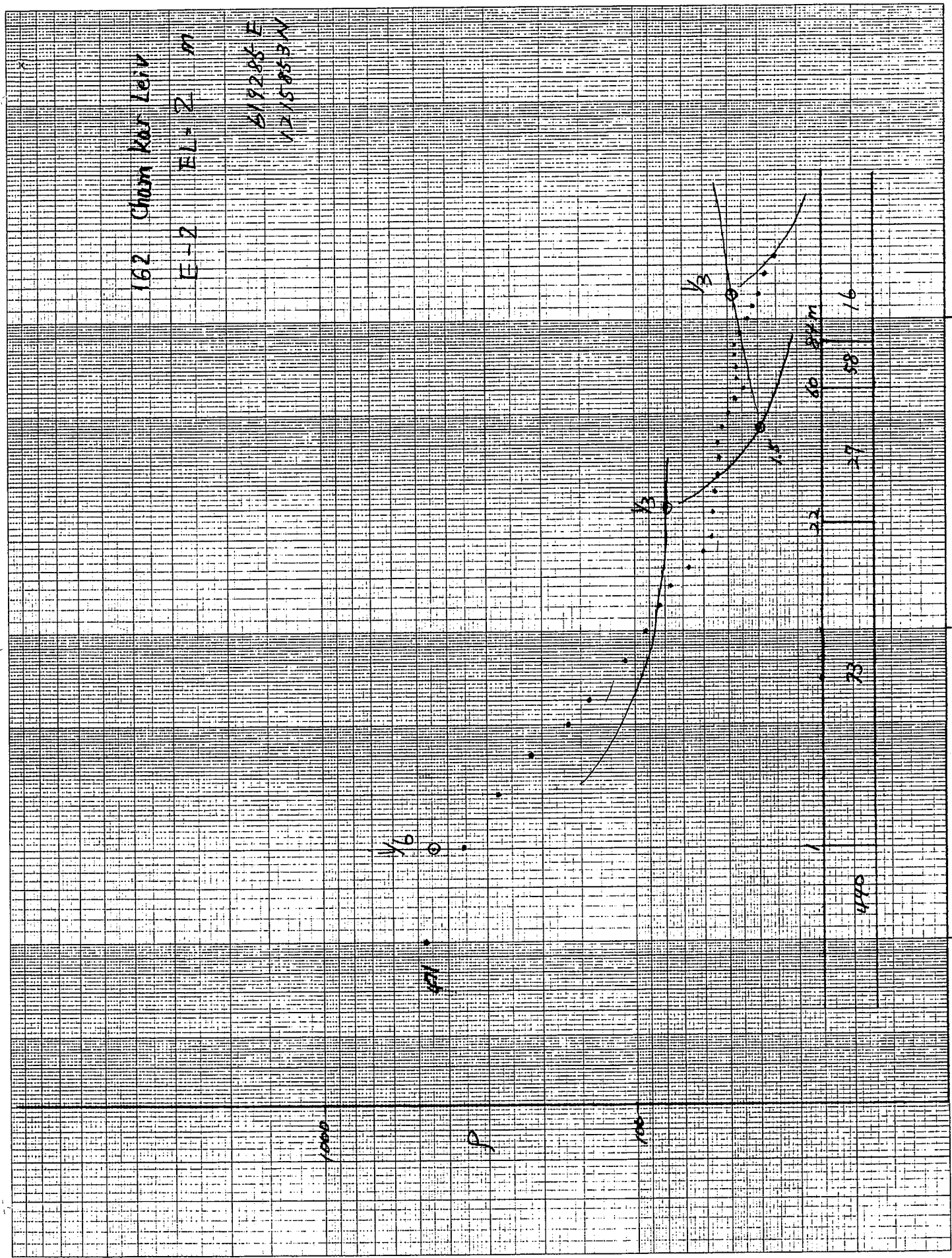


325	162	20	35	19
10	54	83	74	

Log-Log



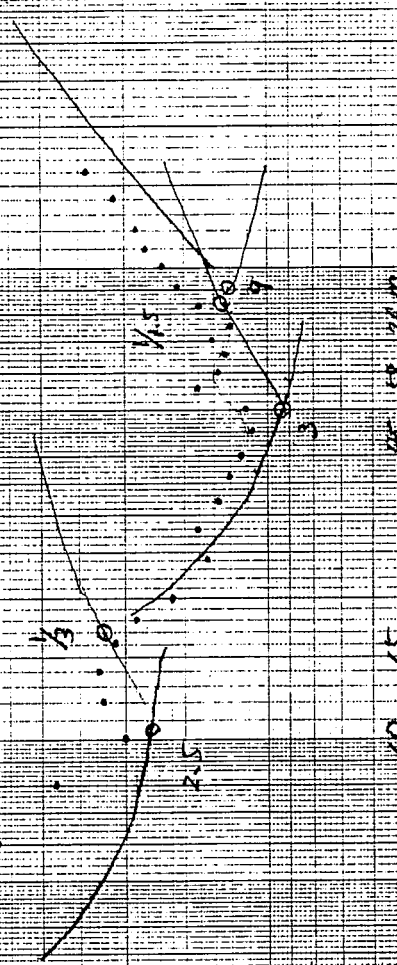




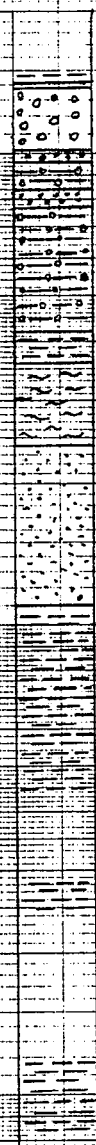
162 Cham Kar Leiv

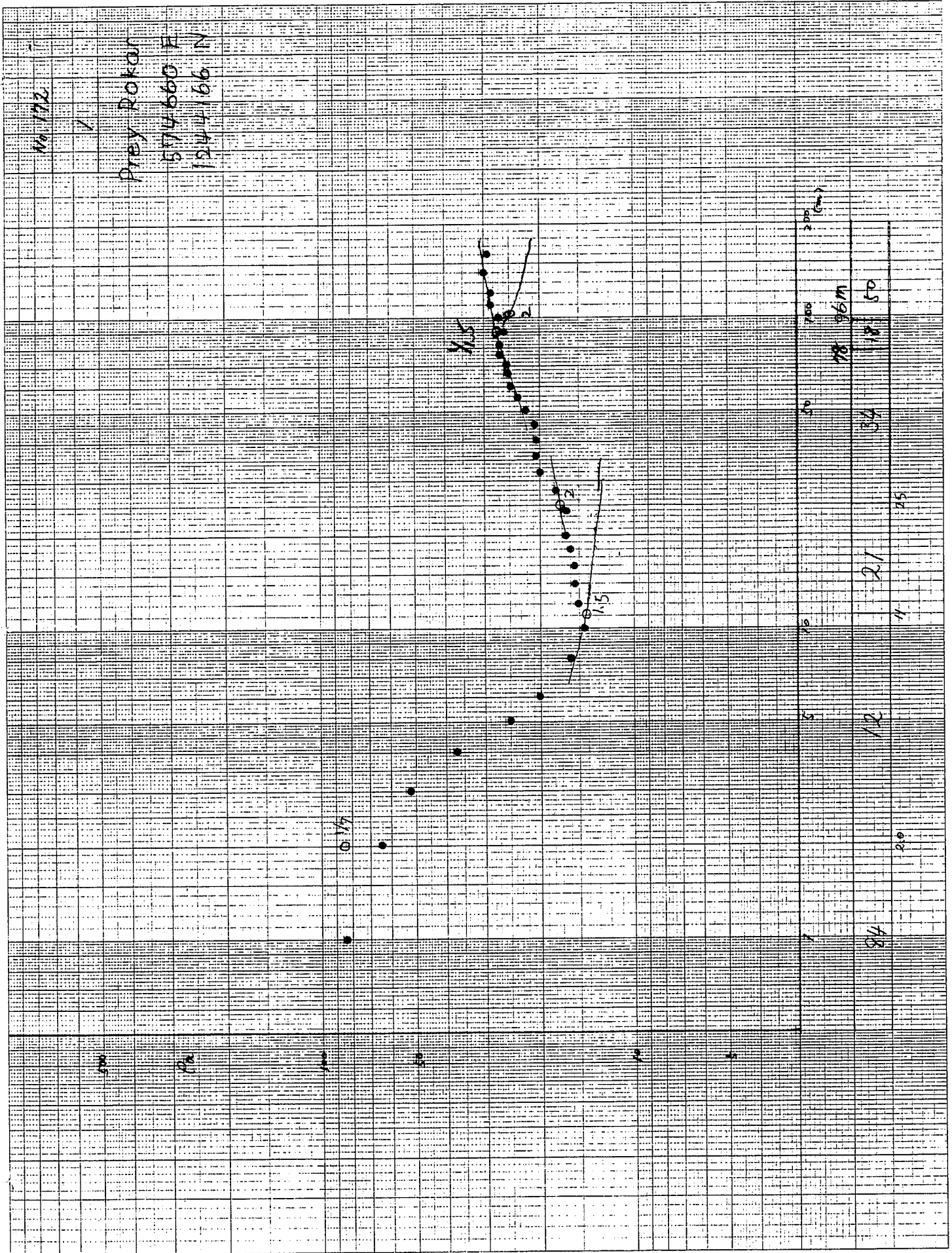
E-3 EL = 2 m

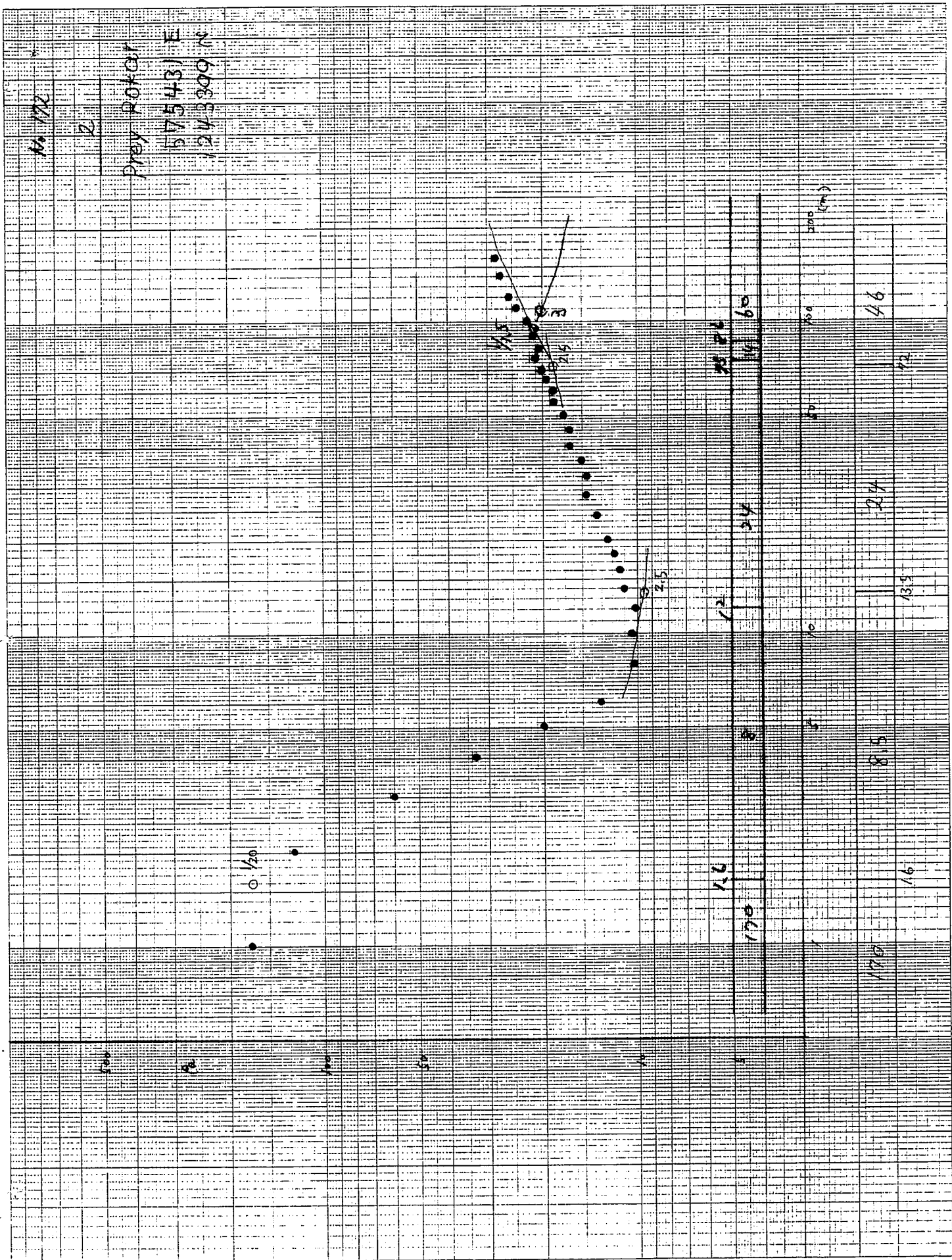
618330 E
1216520 N



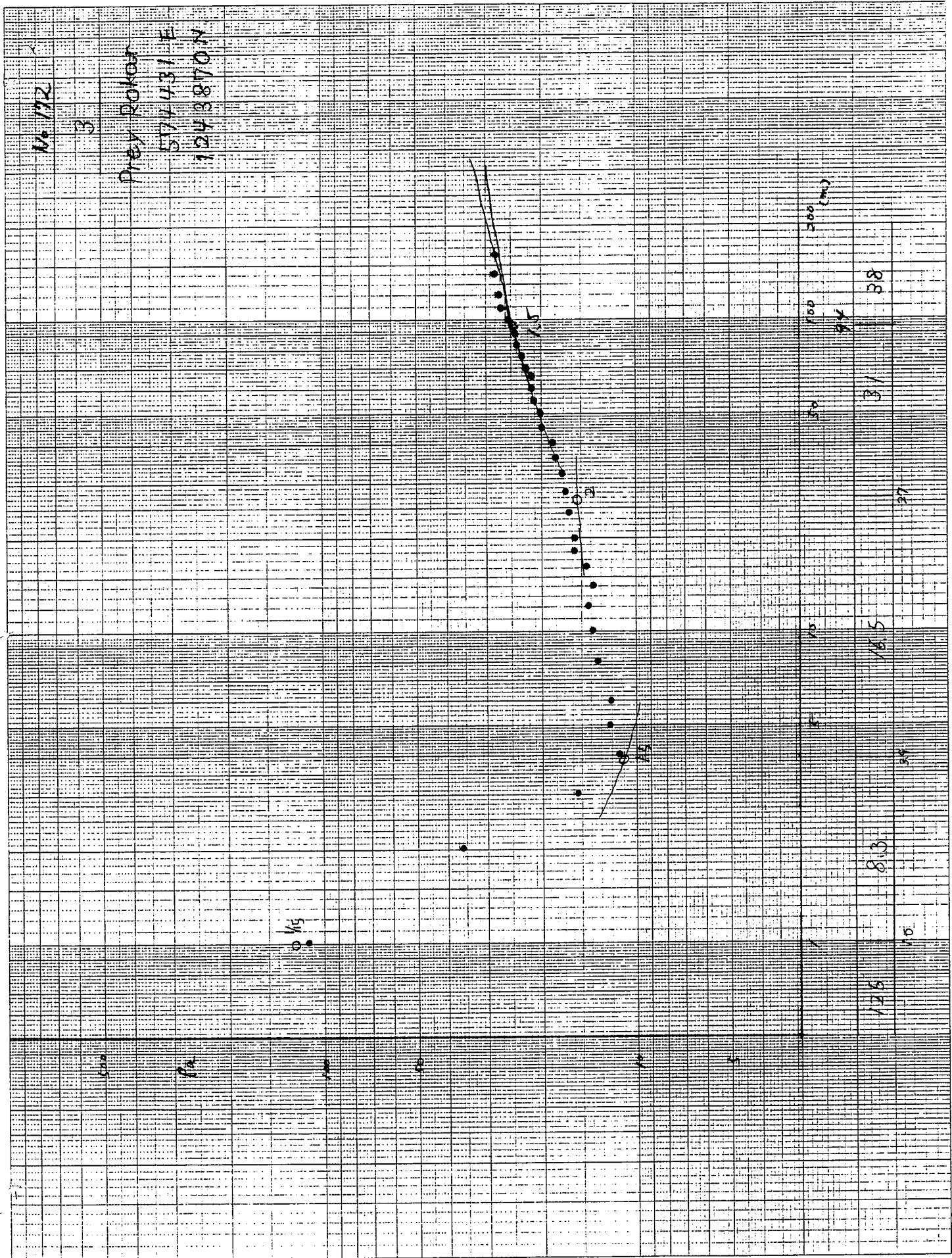
2	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000
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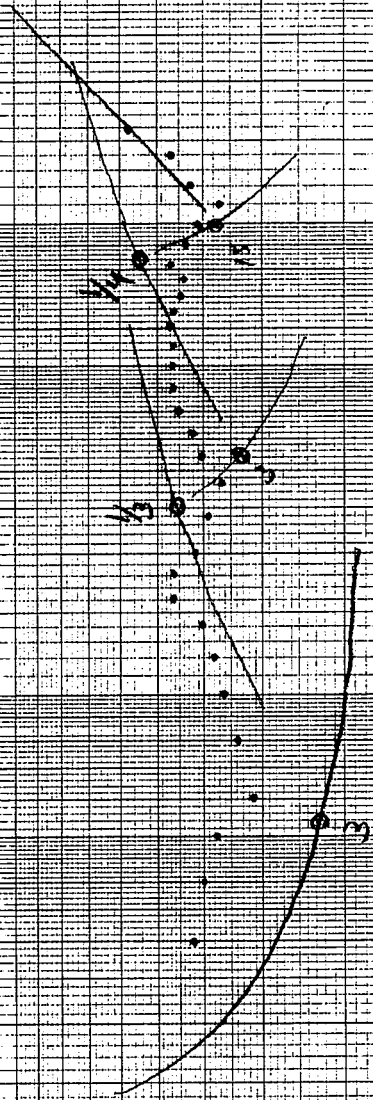
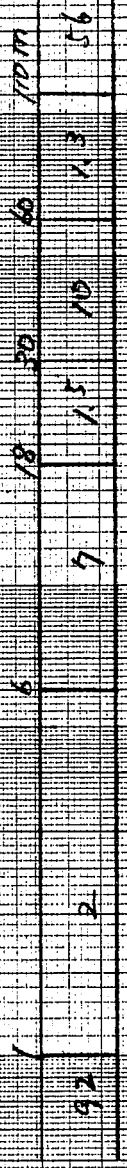


Log-Log

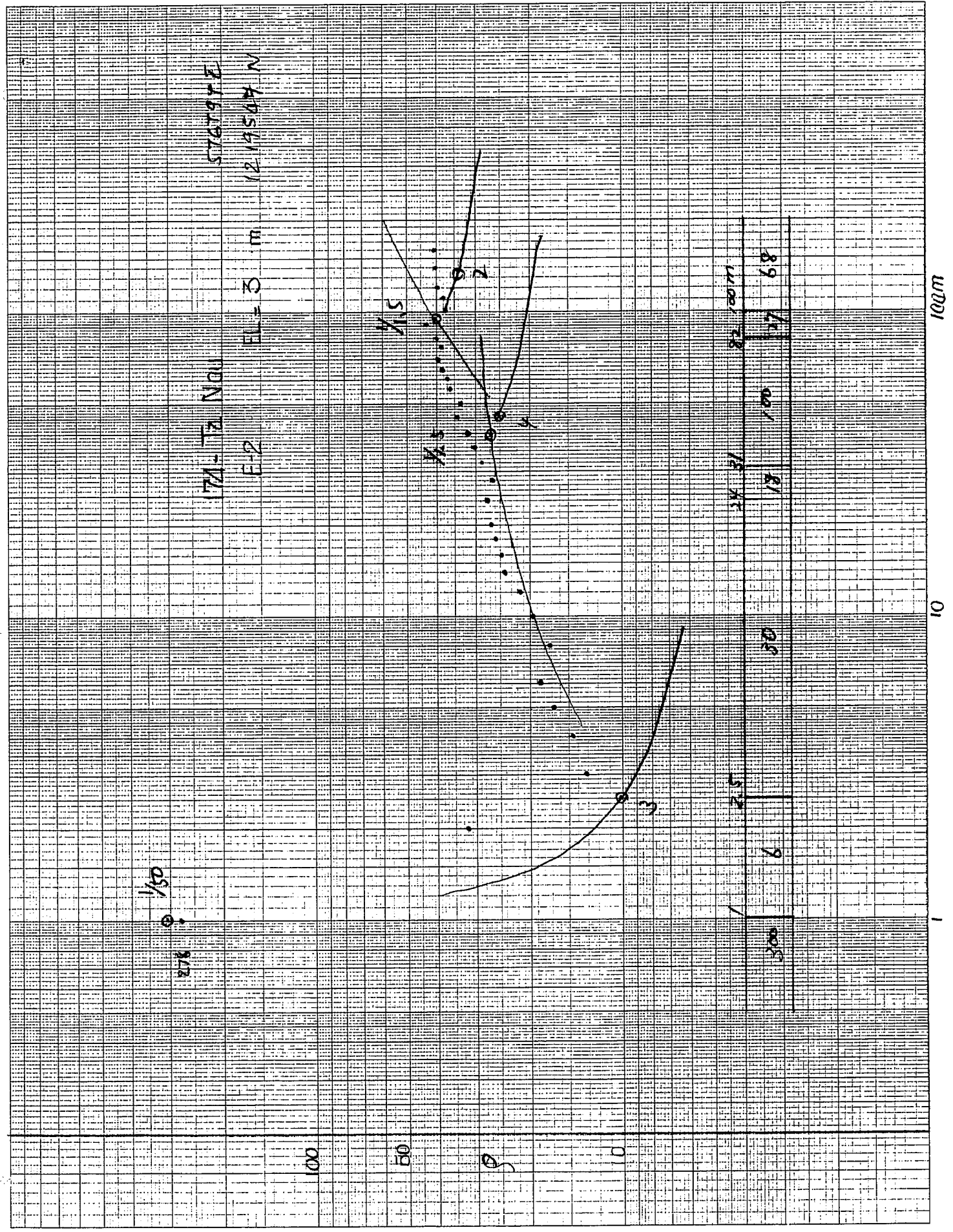


17M. TA NOU
577125 E
1219118 N
E1 EL: 3 m

150
92

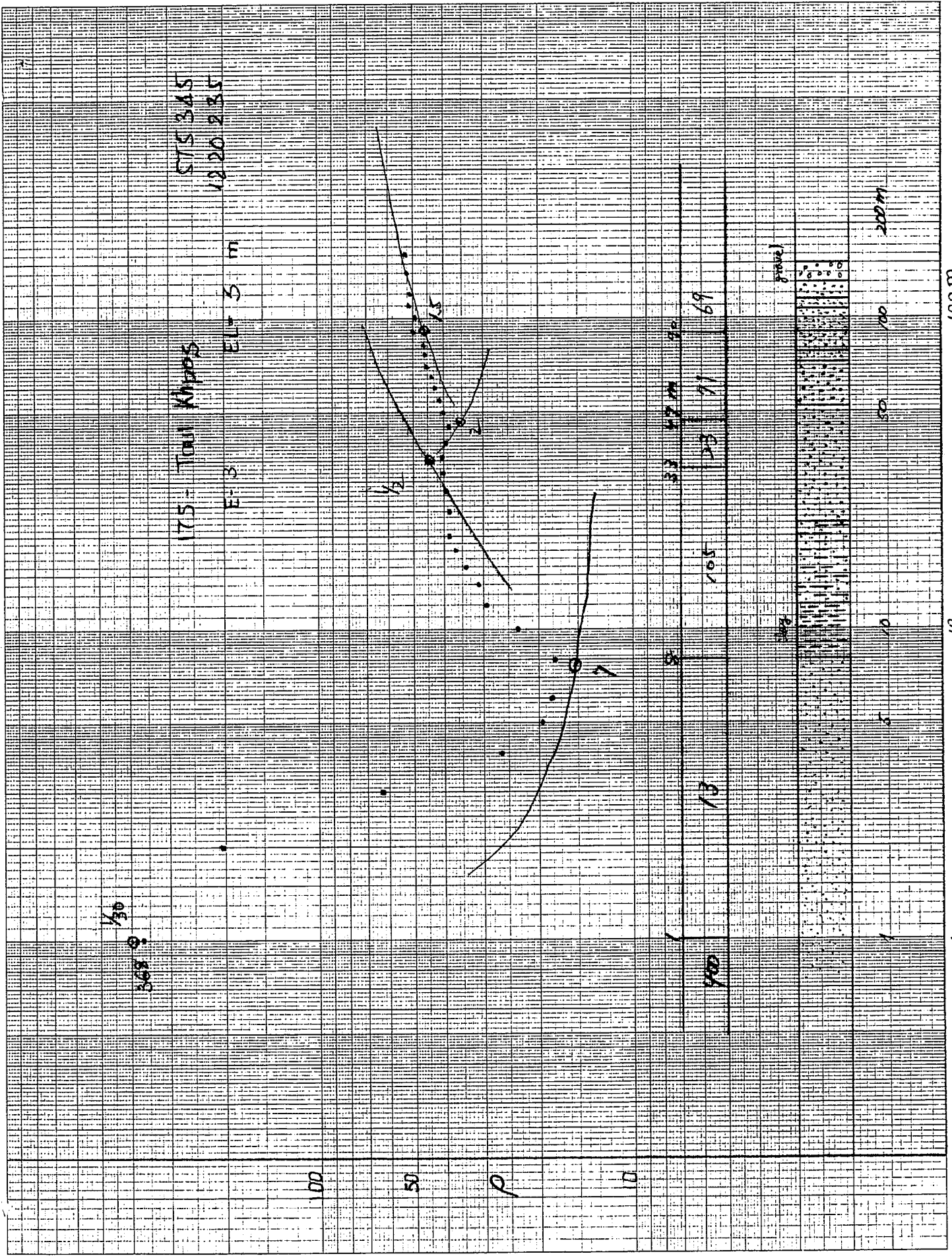


100 m



JIS A4 10V 62.5mm (3.4 単位)

同列 6x7 列



3x

Log* Log

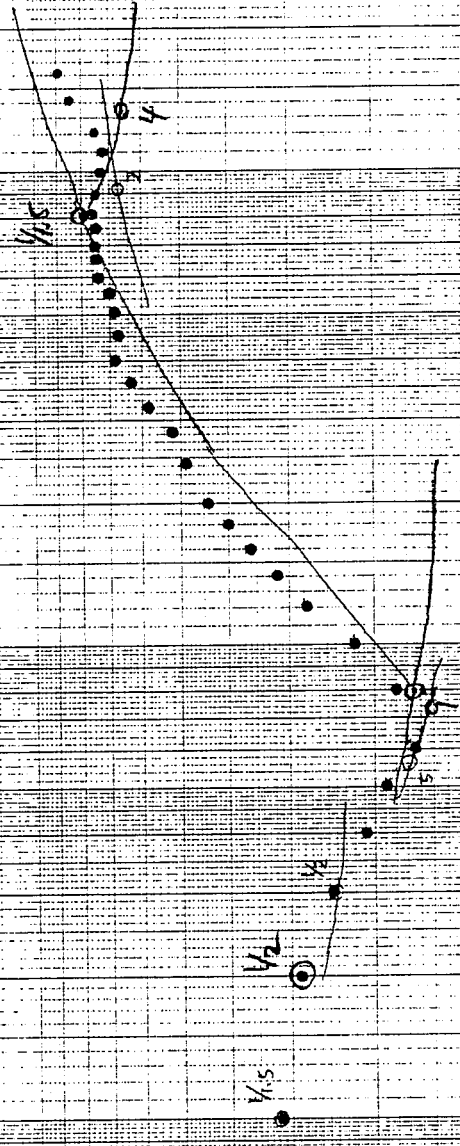
No. 776

1

Ampov Prey

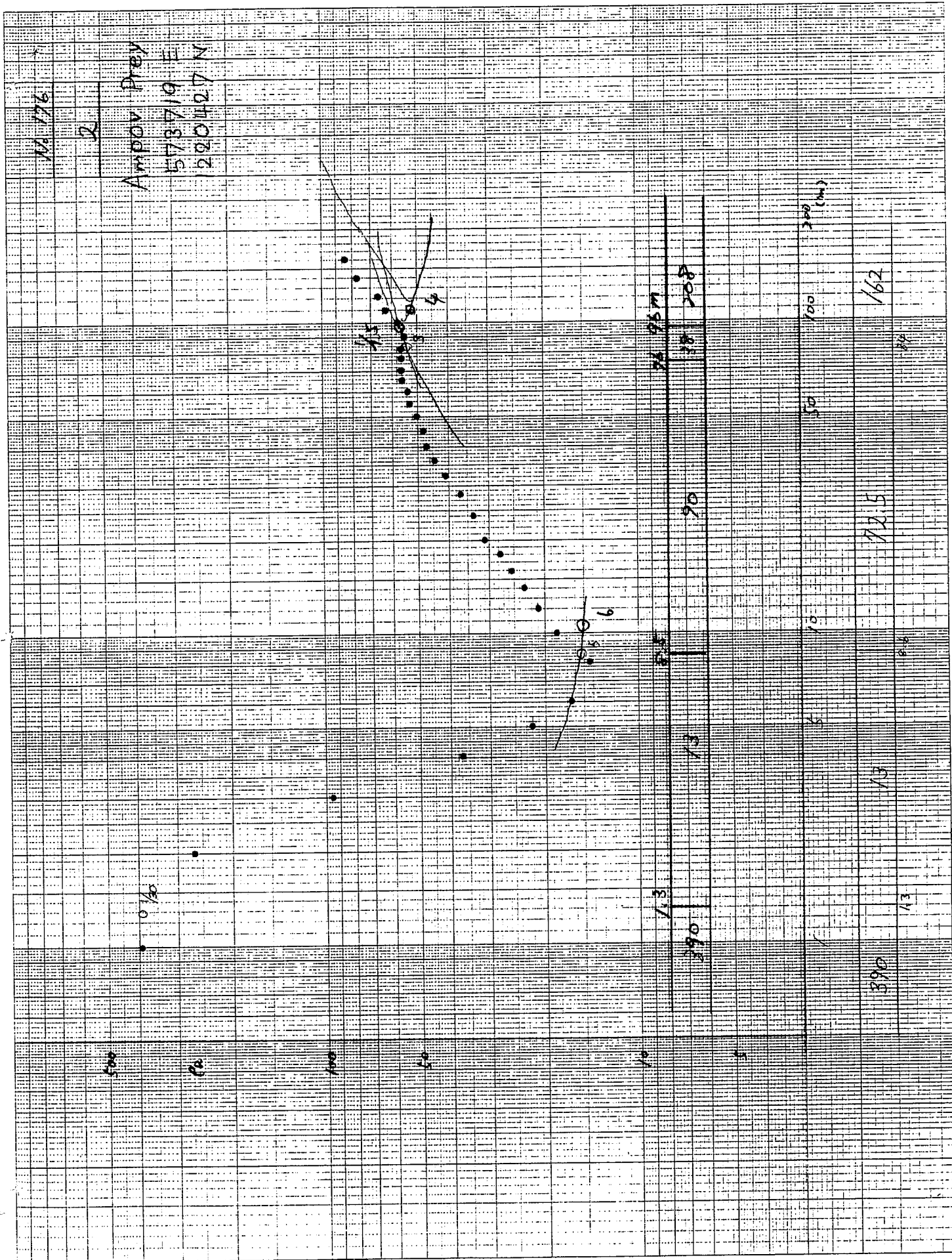
573826 E

1291097 N



29	19	148	80	110m
			53	264

32	21	12	85	134
40	30	56	92	



M 176

2

Ampov Prey

573719 E

220427 N

0.50

0.2

100

50

10

5

26 95M

28 208

20

8.5

13

13

390

13

300 (m)

100

50

10

5

162

72.5

13

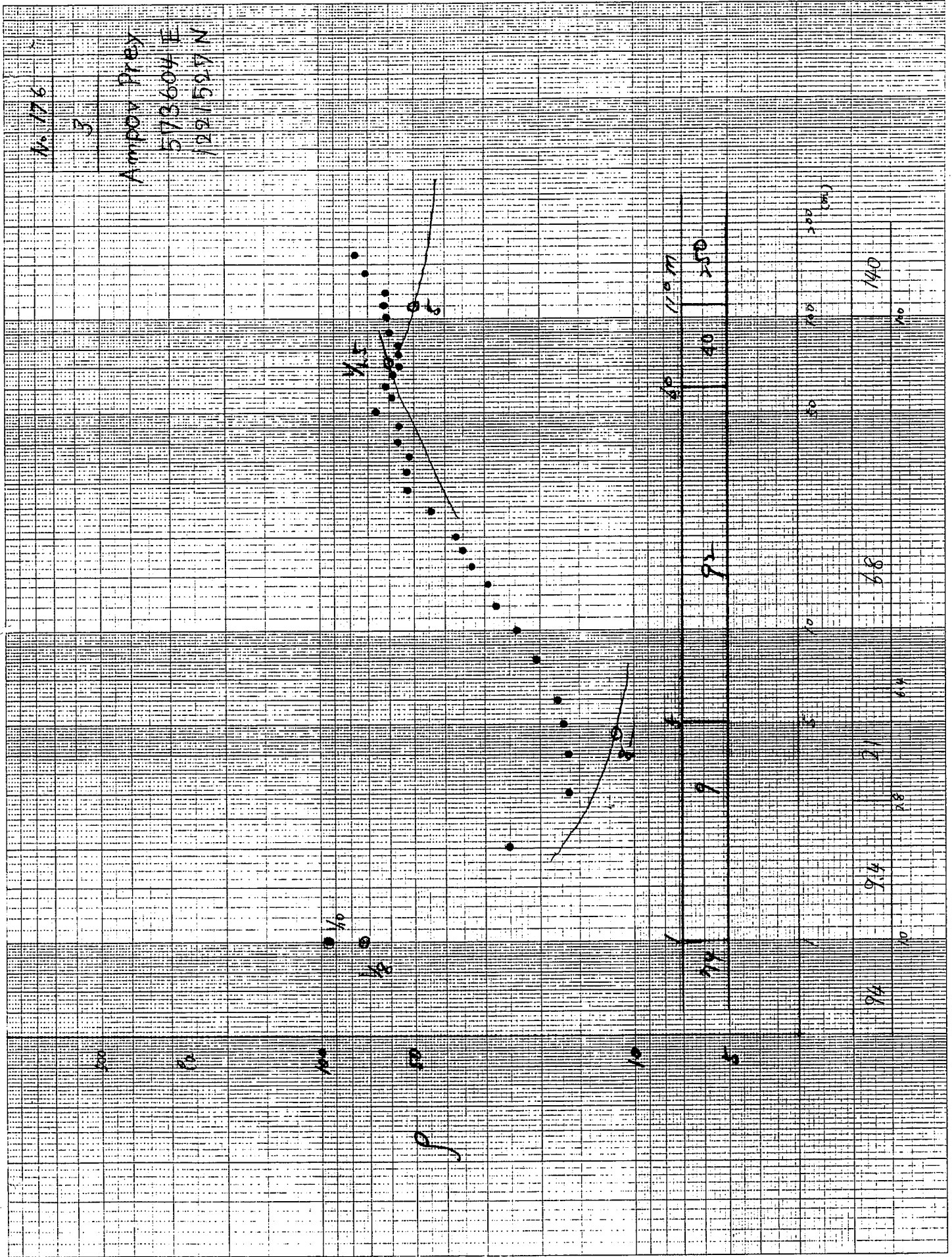
390

8.5

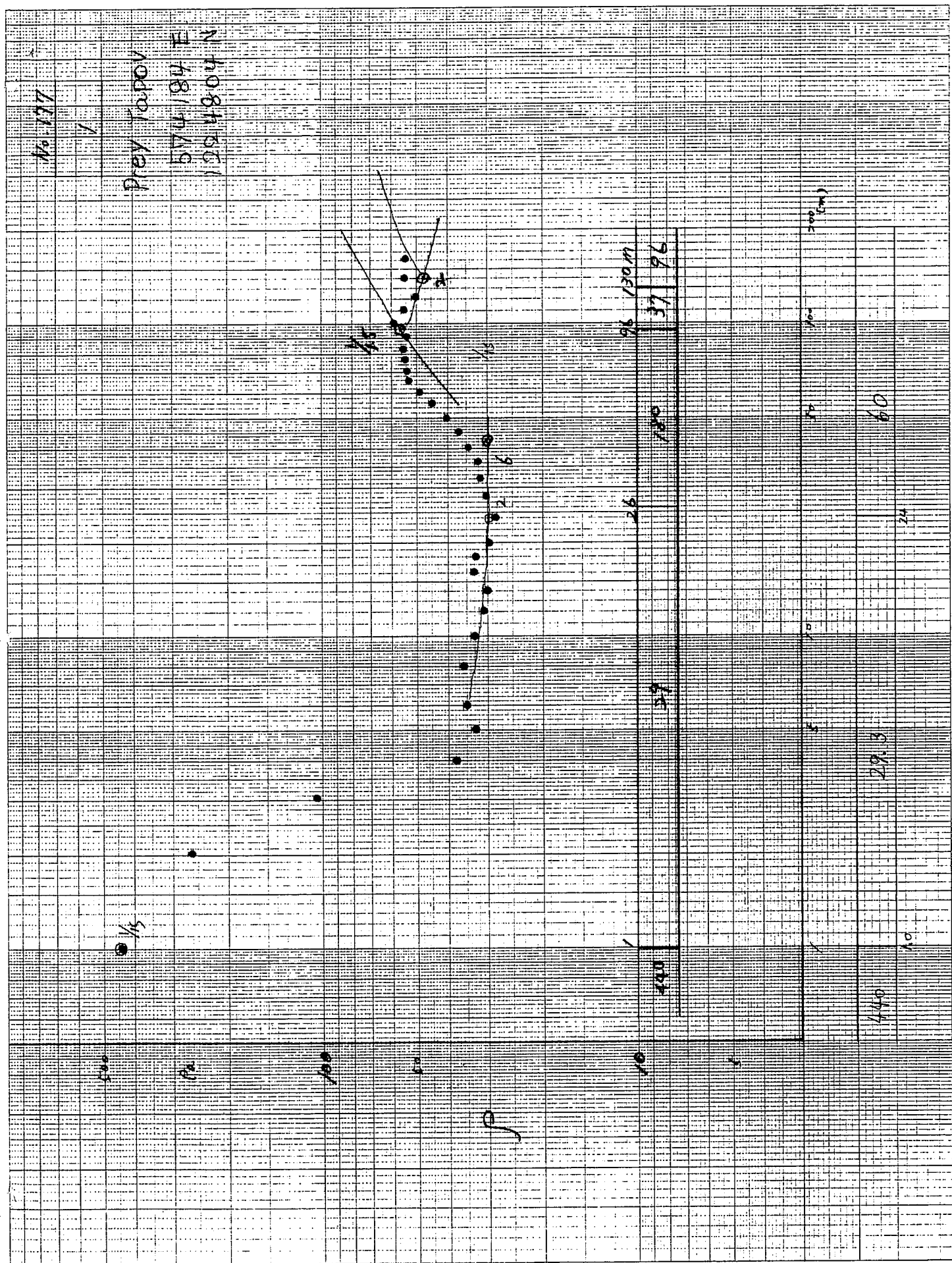
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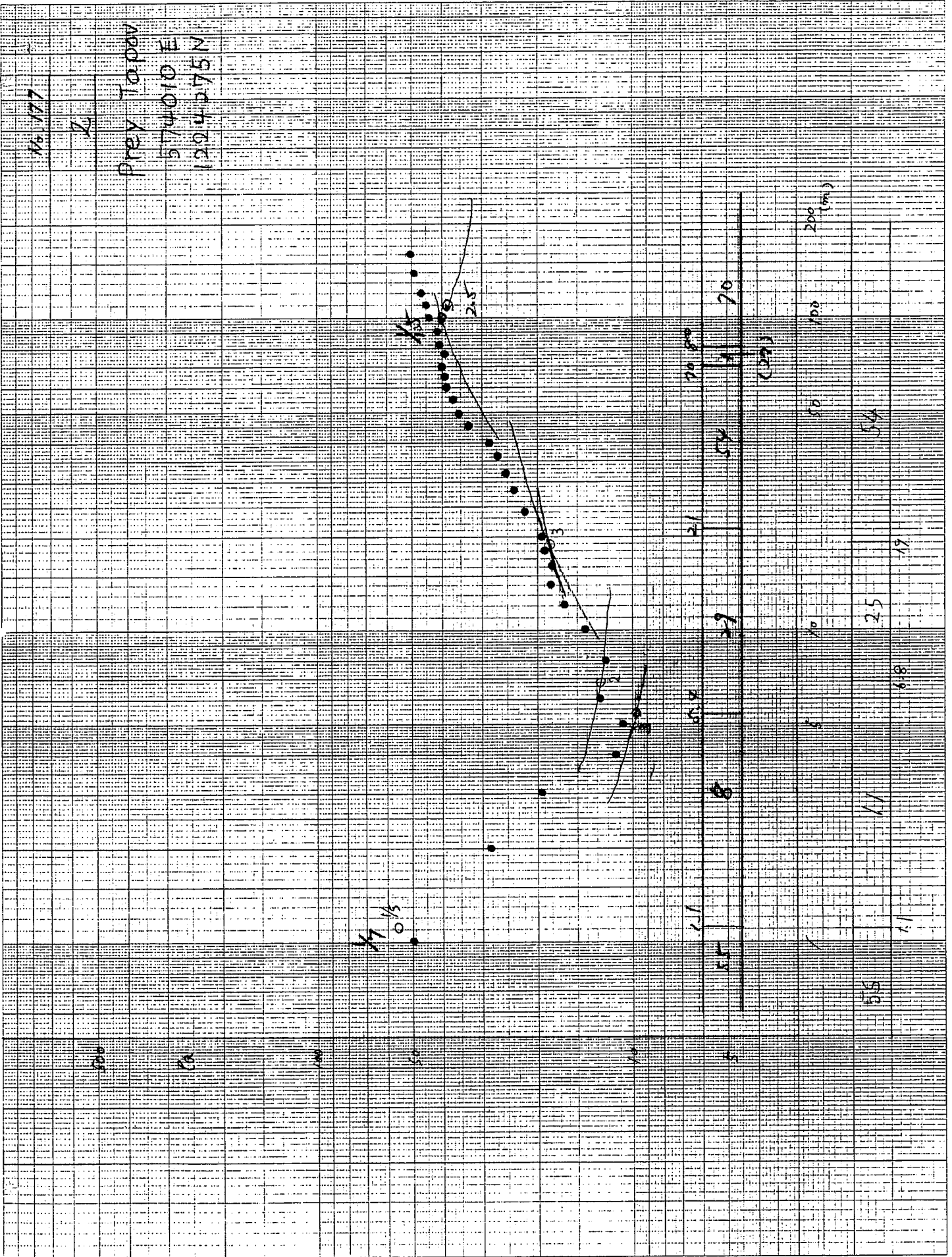
13

LOG LOG



Log-Log





Log_i Log

