

LOCATION OF RESEARCH PLOTS ESTABLISHED BY  
THE DEPARTMENT OF FISHERIES AND FORESTRY,  
SOUTHEASTERN MANITOBA: 1969 EDITION

by

V.S. Kolabinski

FOREST RESEARCH LABORATORY  
WINNIPEG, MANITOBA  
INFORMATION REPORT MS-X-21  
1969 EDITION  
(Restricted Distribution)

FORESTRY BRANCH  
DEPARTMENT OF FISHERIES AND FORESTRY  
APRIL 1969

### Acknowledgement

The Department of Fisheries and Forestry wishes to acknowledge the continued interest, co-operation, and assistance of the Manitoba Department of Mines and Natural Resources in the establishment and protection of the research plots listed herein, areas for research were generally selected in co-operation with provincial forestry personnel who often supervised or carried out logging operations as well as site preparations required for individual studies.

Thanks are also due the Department of Mines and Natural Resources for permission to include a copy of their road map of the southeastern region.

LOCATION OF RESEARCH PLOTS ESTABLISHED BY  
THE DEPARTMENT OF FISHERIES AND FORESTRY,  
SOUTHEASTERN MANITOBA - 1969 EDITION

By

V.S. Kolabinski<sup>1</sup>

This is the second revision of the initial report by N.R. Walker published in 1967. This report shows the location of all permanent and semipermanent research plots established by the Canada Department of Fisheries and Forestry in southeastern Manitoba. Location maps have been prepared for each section in which a plot is located using a scale of one inch to 20 chains. Roads are indicated by parallel solid lines and trails by dashed lines. Provincial roads are designated by the road number in parentheses, fireguard numbers appear without parentheses. A road map of the southeastern region prepared by the Manitoba Forest Service is included in a pocket on the back cover.

Each mapped section occupies a single page so that as projects are closed or new ones initiated, pages can be added to or removed from the report. The top right-hand corner of each map shows its location in order of township, range and section; these designations also constitute the page-numbering system of the report. Within each township maps are in order of range, then within each range in order of section.

The final part of the report shows a listing of each research project. The file number and title of the project, the name of the investigator, his section head, and the location of each plot in order of township, range and section is given.

If logging activity or other disturbance is contemplated in the vicinity of a plot, it would be appreciated if the investigator or appropriate section head was notified. In most instances a two chain buffer strip around the plots would be desirable. The investigator will be responsible for the demarcation of the buffer strip.

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1

Forest Research Technician, Liaison and Services Section (Silviculture),  
Forestry Branch, Department of Fisheries and Forestry, Winnipeg, Manitoba.

CANADA DEPARTMENT OF FISHERIES AND FORESTRY

FORESTRY RESEARCH SERVICE

25 Dafoe Road  
Winnipeg 19, Manitoba

File: LS-4

July 2, 1969

Dear Sir:

Re: MS-X-21 - Location of research plots established by the  
Department of Fisheries and Forestry,  
Southeastern Manitoba: 1969 Edition

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Additional maps of research plot locations in southeastern Manitoba have been prepared for inclusion in MS-X-21 by V. S. Kolabinski and are attached herewith.

In addition, listings of research projects not previously included are also provided.

*V. S. Kolabinski*  
for R. M. Waldron,  
Head, Liaison and Services  
Section.

Attach.

CANADA DEPARTMENT OF FISHERIES AND FORESTRY

CANADIAN FORESTRY SERVICE

25 Dafoe Road  
Winnipeg 19, Manitoba

File: LS-4

March 20, 1970

Dear Sir:

Re: MS-X-21 - Location of research plots established by the  
Department of Fisheries and Forestry, Southeastern  
Manitoba: 1969 Edition

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This is a revision for the purpose of updating the 1969 edition of information report MS-X-21.

A list of sections where alterations, additions and/or deletions have been made are provided herein.

It may be noted that because of staff changes, difficulties might be experienced in contacting appropriate section heads and investigators regarding research plots. In such cases research plots may be referred to Mr. R.F. Ackerman, Forest Resources and Management Research, Prairies Region, Canada Department of Fisheries and Forestry, Edmonton, Alberta; or R.W. Waldron, 25 Dafoe Road, Winnipeg 19, Manitoba.

*V.S. Kolabinski*

V.S. Kolabinski  
for R.M. Waldron  
Section Head,  
Liaison and Services Section

PLOT LOCATION MAP SKETCH--REVISION

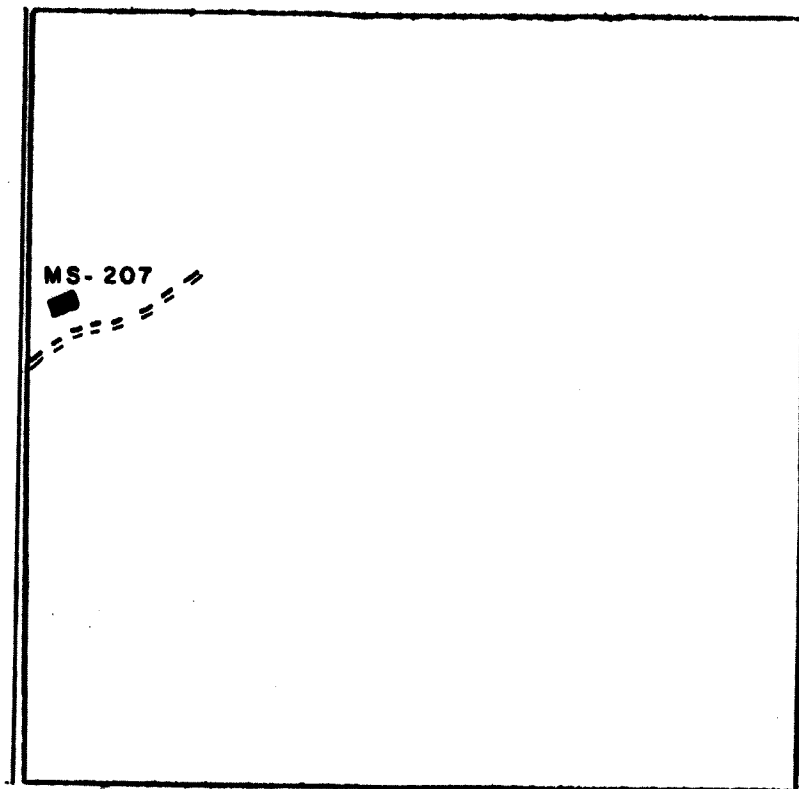
<u>Township</u>	<u>Range</u>	<u>Section</u>	<u>Revision Required</u>
2	11	18	remove
3	12	16	add
5	9	3	replace
5	9	22	add
7	11	32	remove
7	11	34	add
8	11	8	add

PROJECT LISTING--REVISION

<u>Project No.</u>	<u>Revision Required</u>
MS-243	replace
PZ-16	remove
Forest Disease Survey	remove
D-MS-5	replace
FRE MS 107	add

Twp. 1

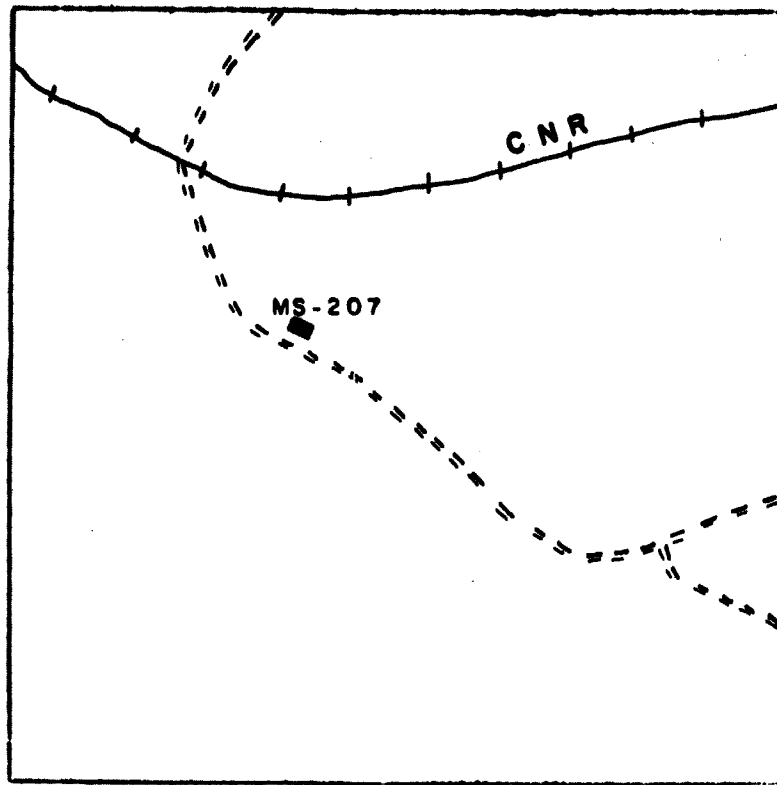
1-12 - Sec.12



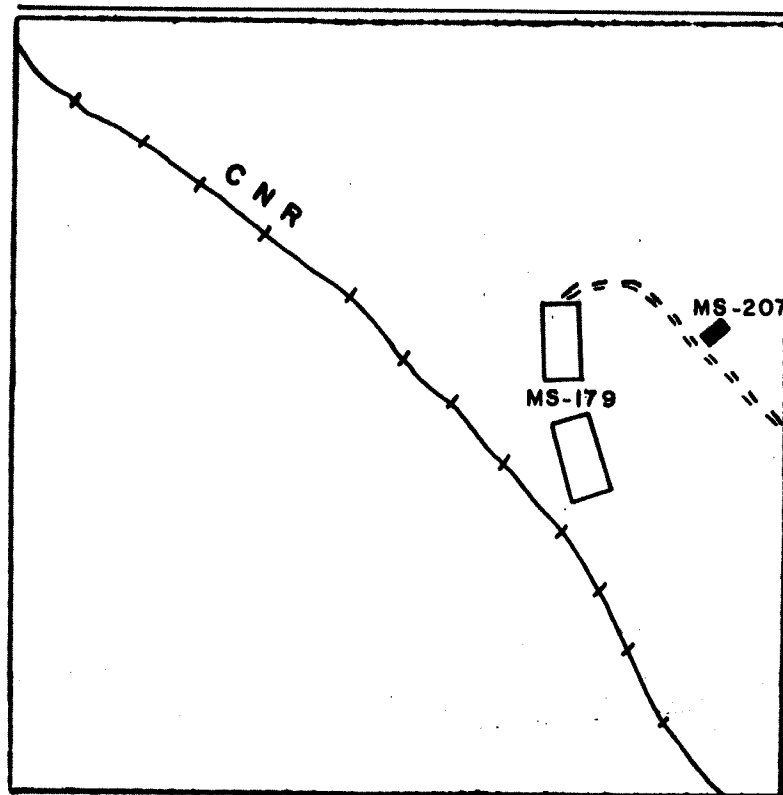
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1-12 - Sec. 14

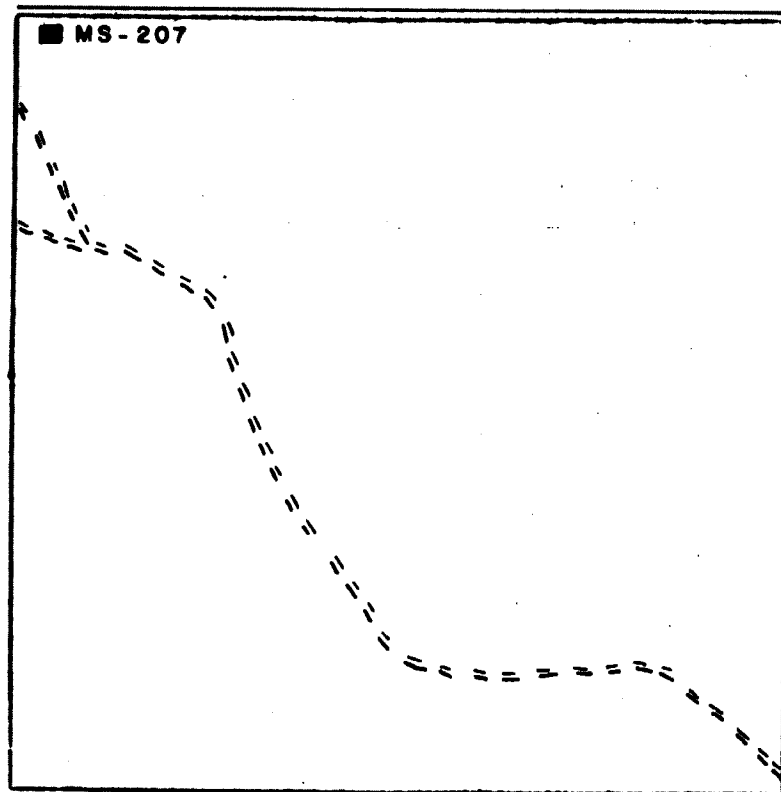


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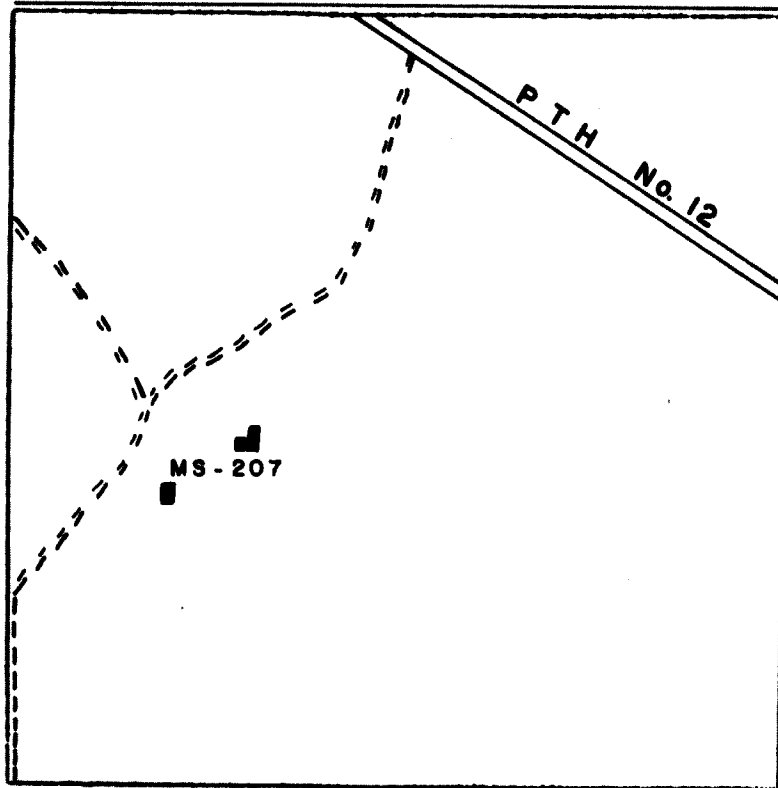
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1-12 - Sec. 24



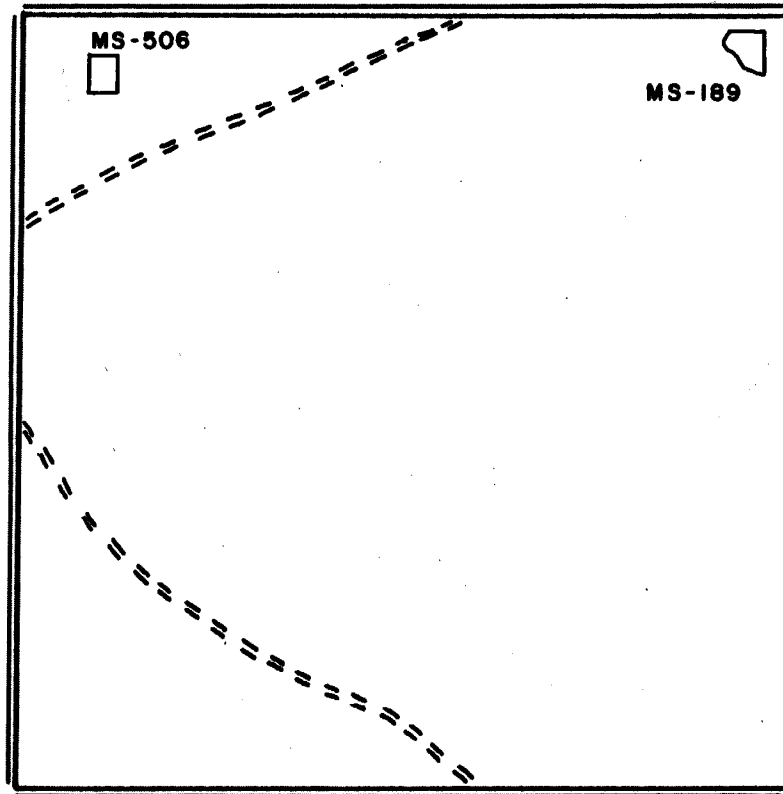
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1-12 - Sec. 25



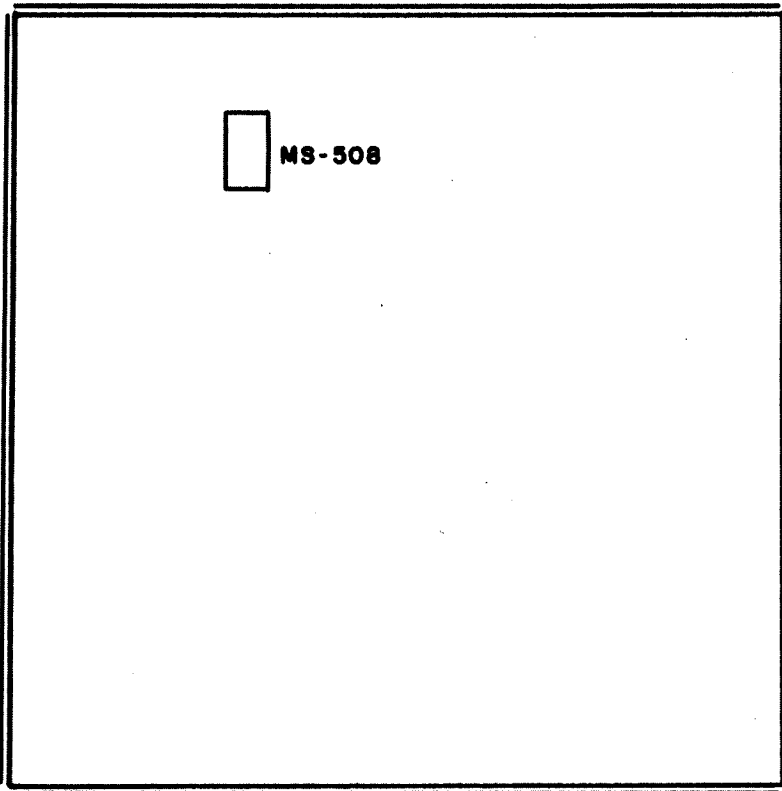
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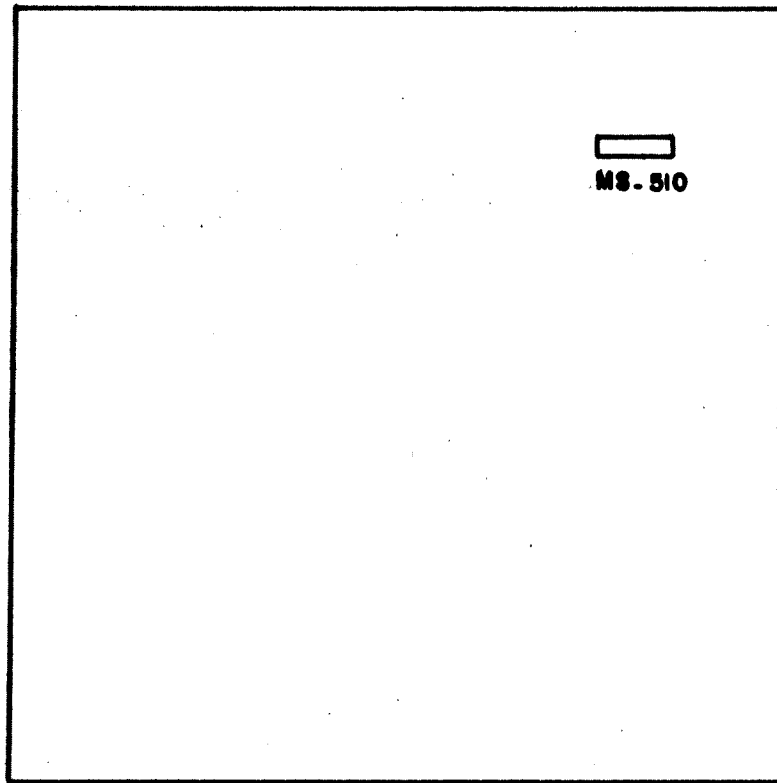
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1-12-Sec.27

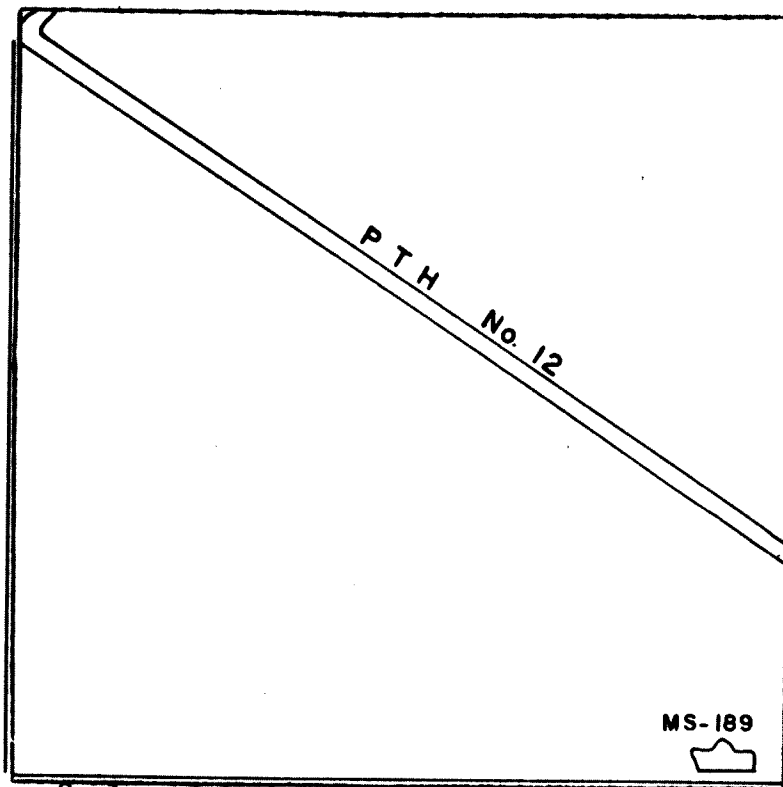


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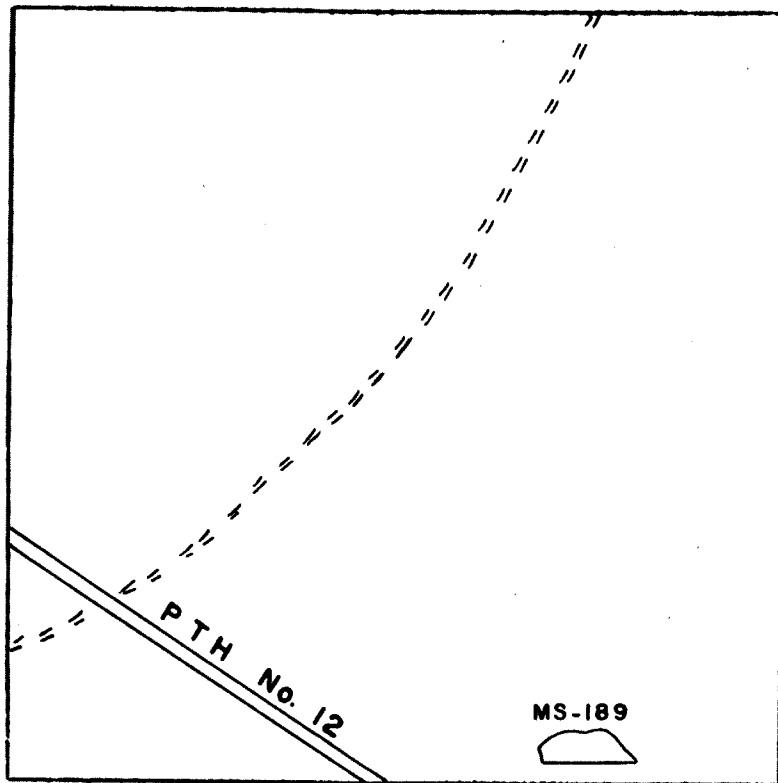


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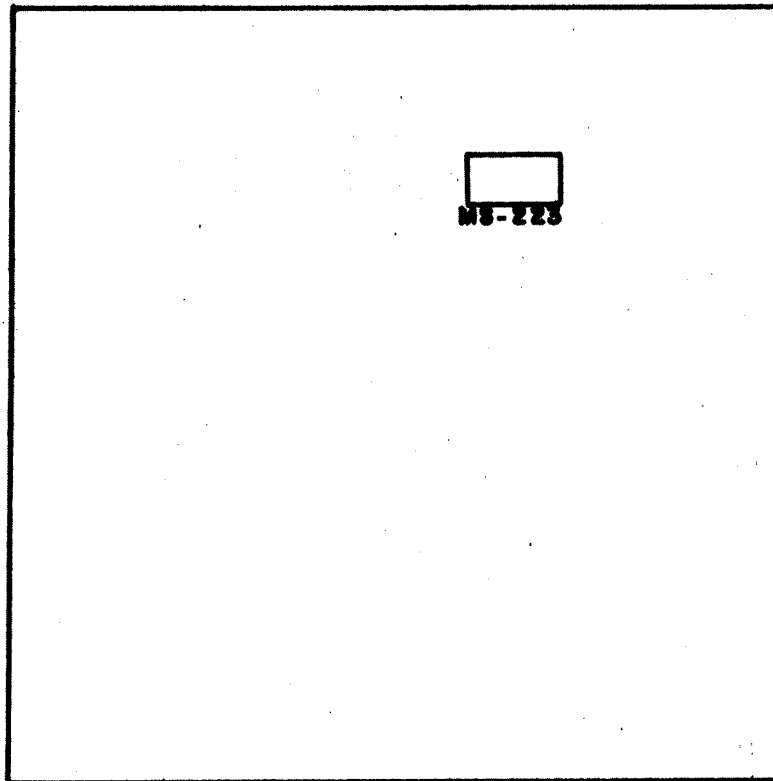


Scale: 1 inch = 20 chains



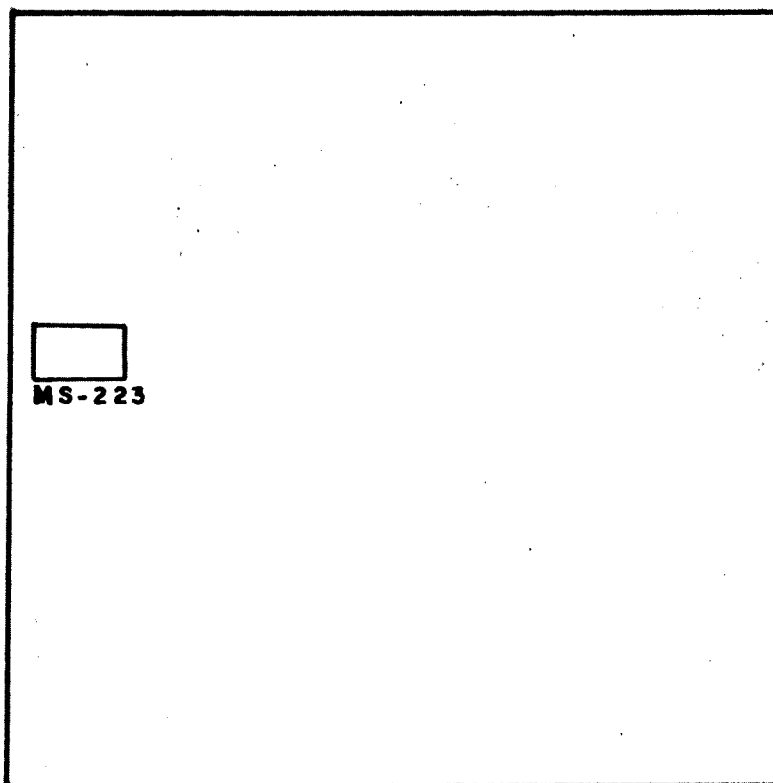


Scale: 1 inch = 20 chains



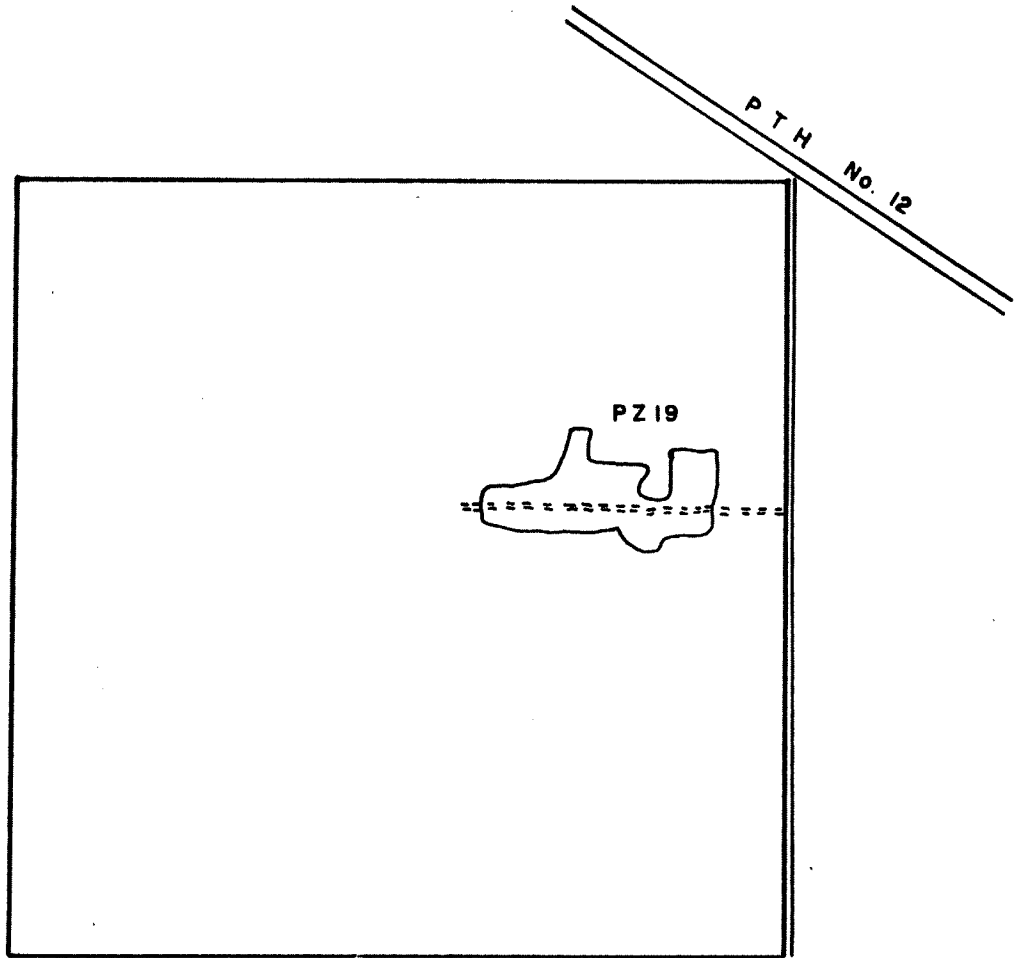
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1-13-Sec. 9



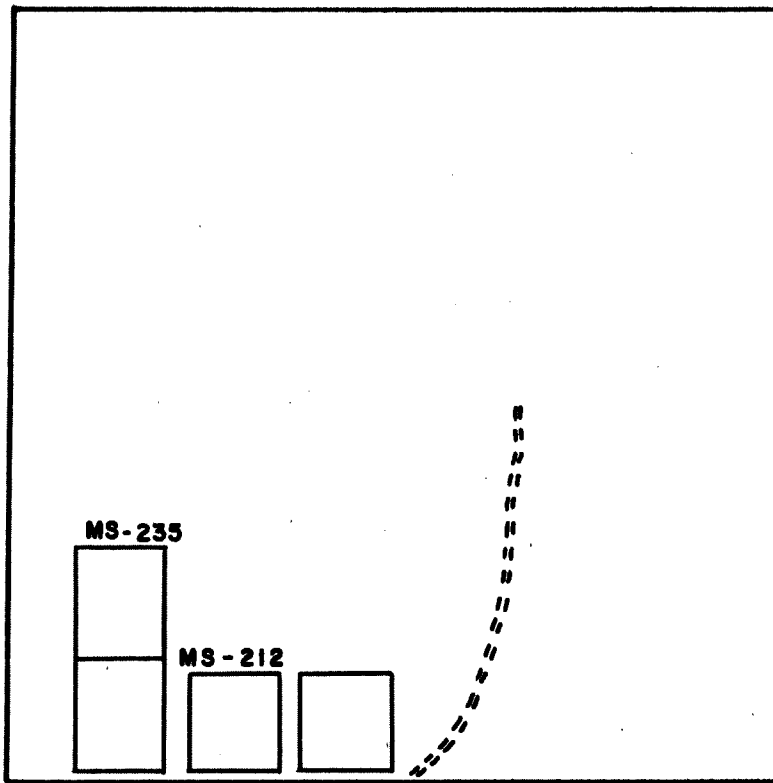
MS-223

Scale: 1 inch = 20 chains



Scale: 1 inch = 20 chains

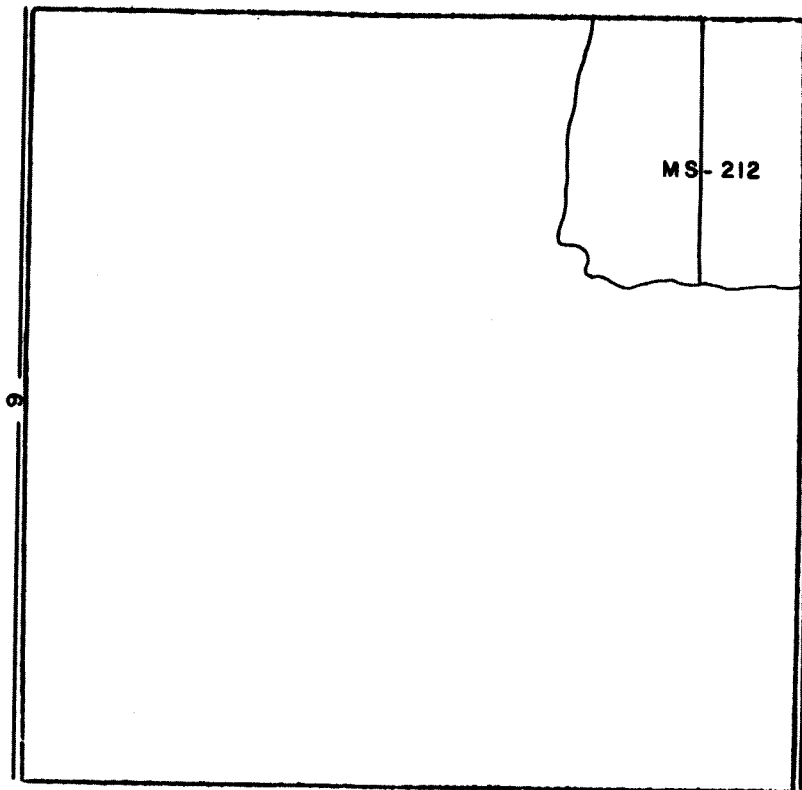
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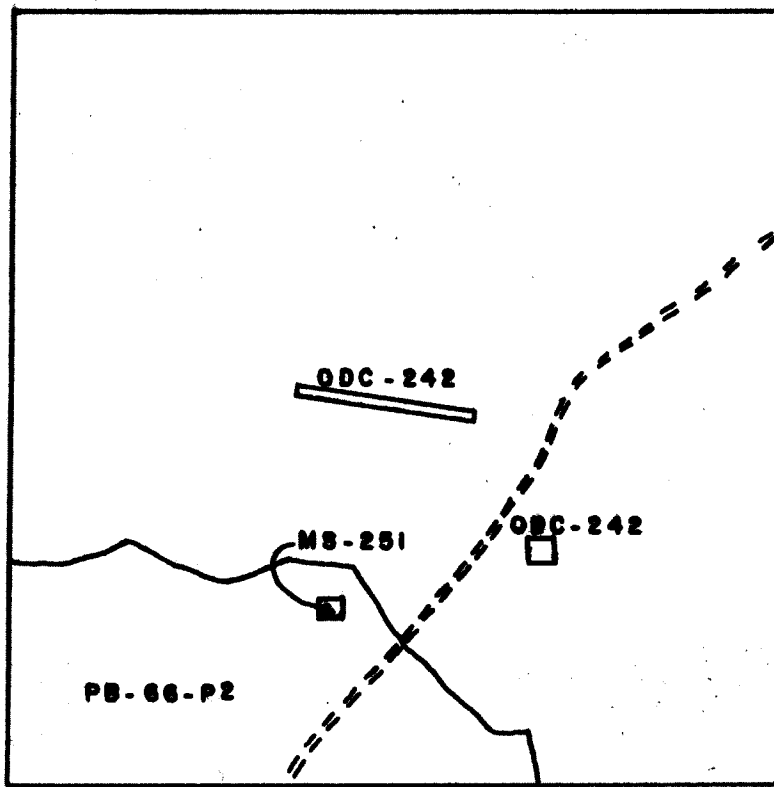
Scale: 1 inch = 20 chains

Twp. 2

2-11-Sec. 7

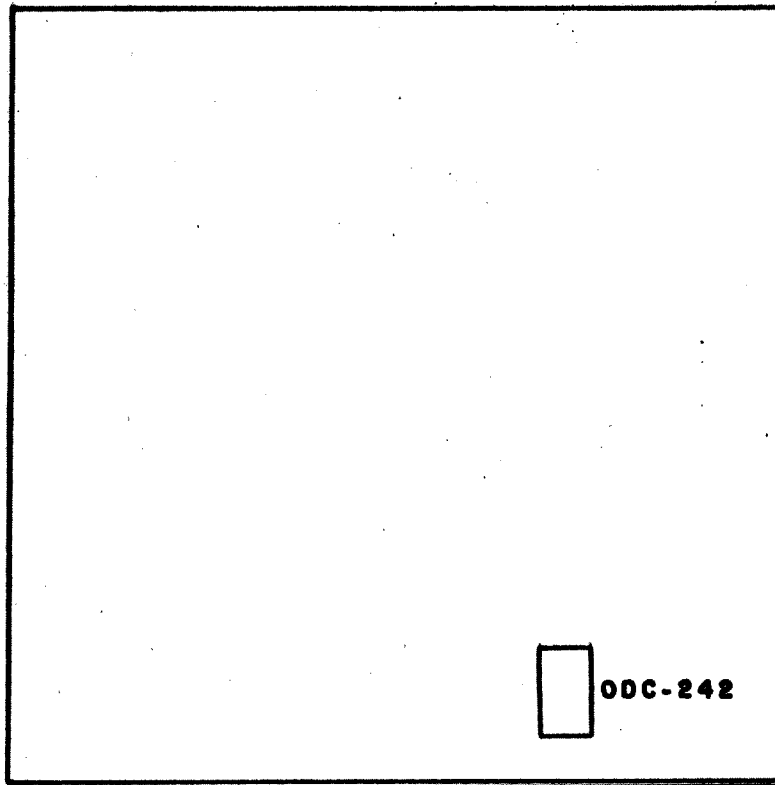


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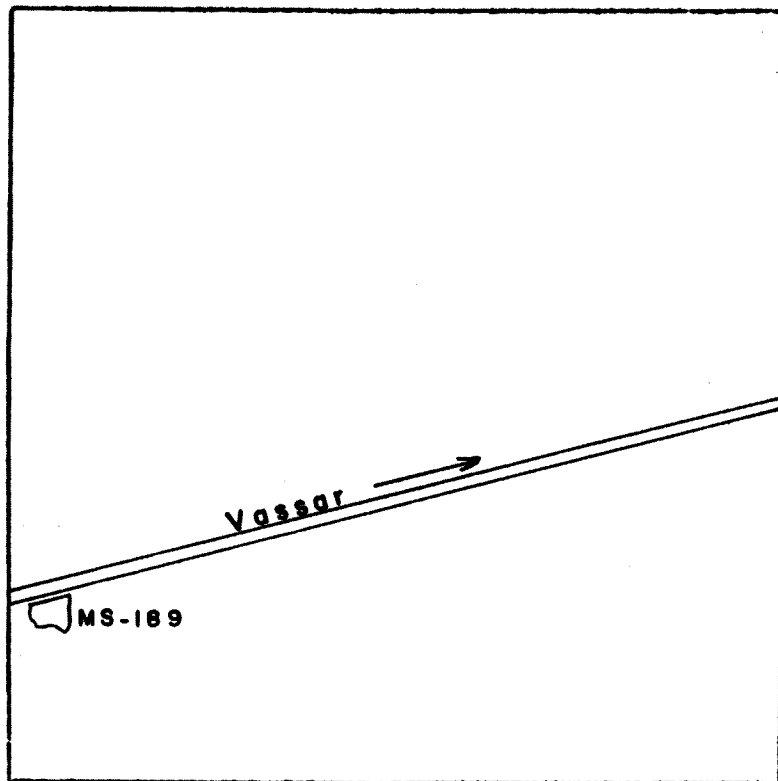
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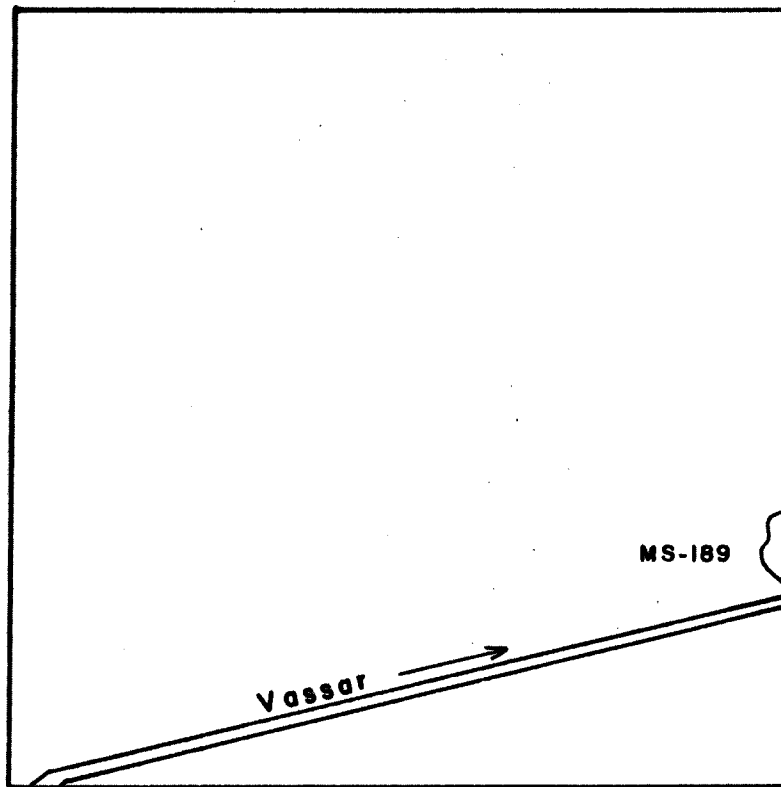


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2-12-Sec. 1

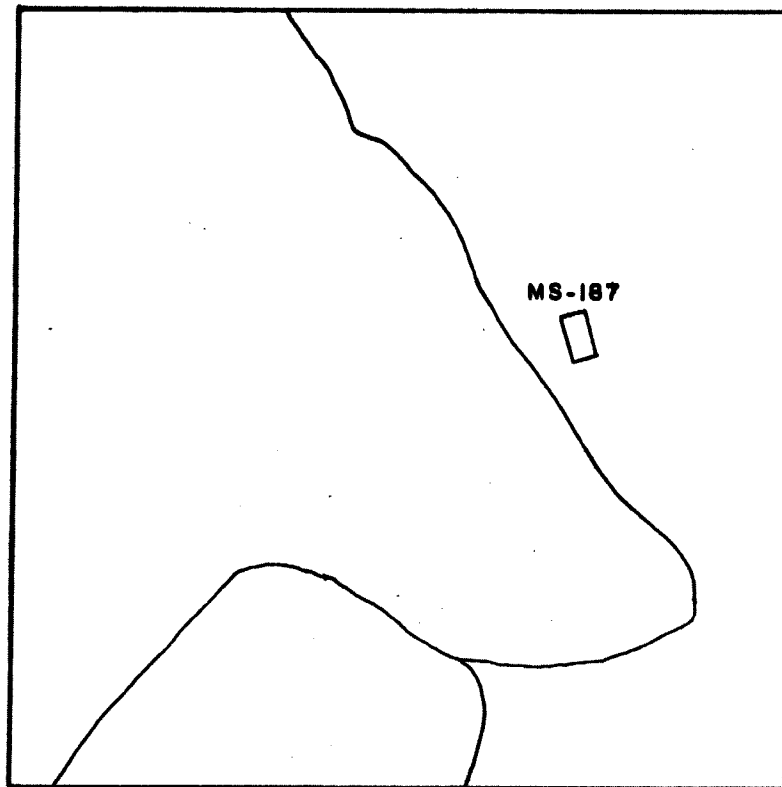


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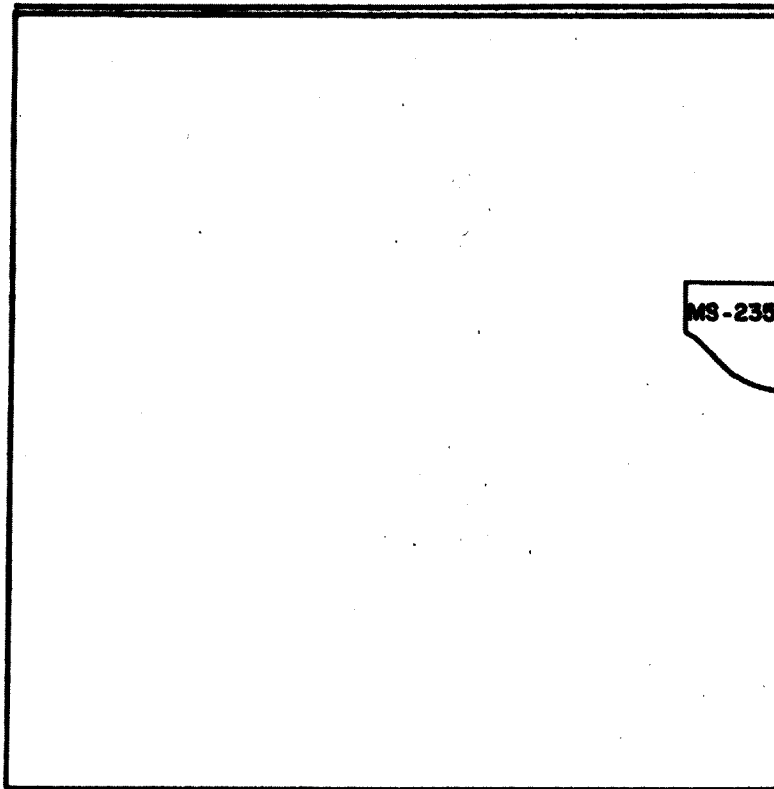
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2-12-Sec.14



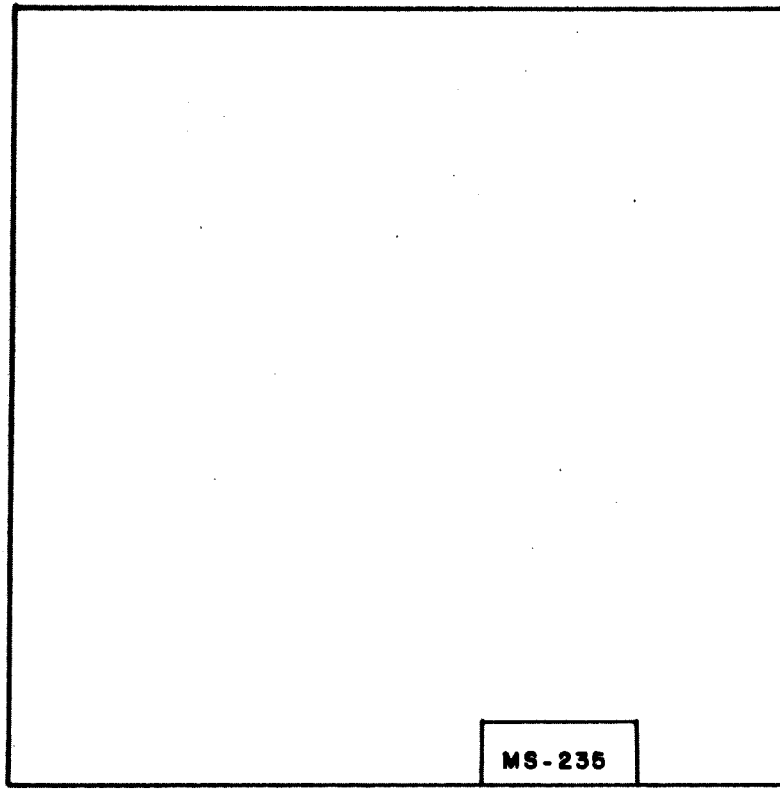
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2-12-Sec. 20



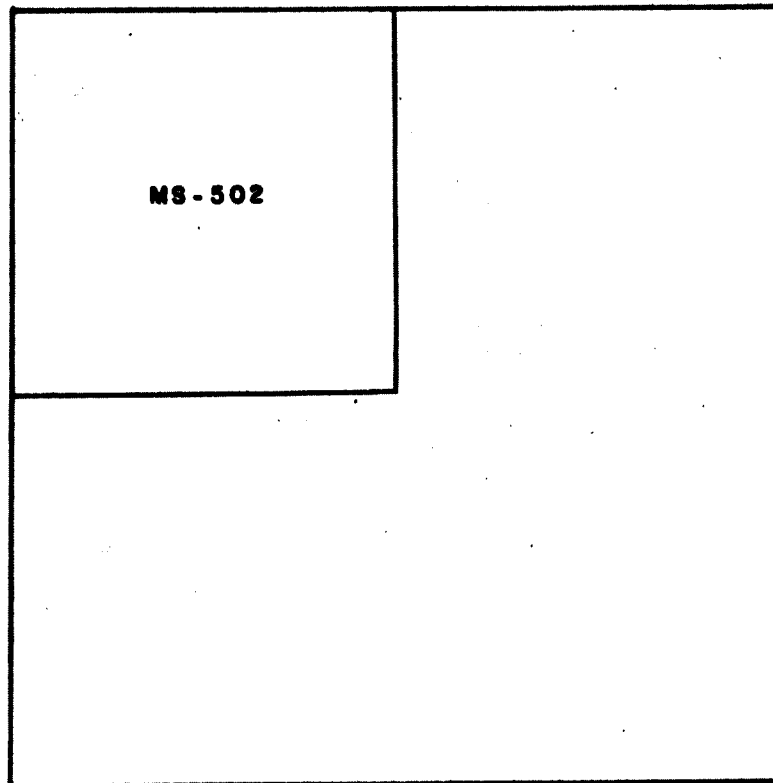
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2-12-Sec. 29



Scale: 1 inch = 20 chains

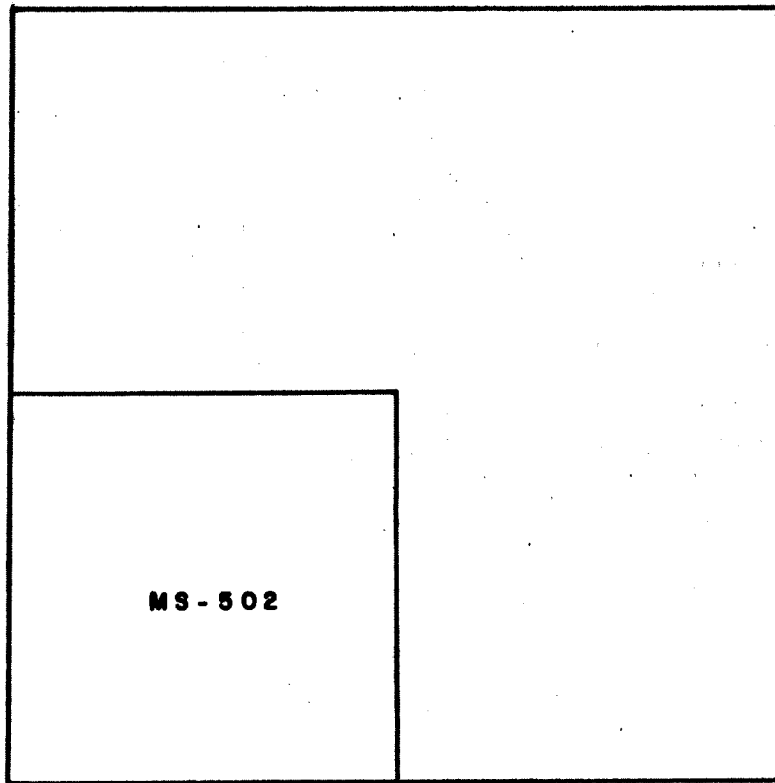
Twp. 3



Scale: 1 inch = 20 chains

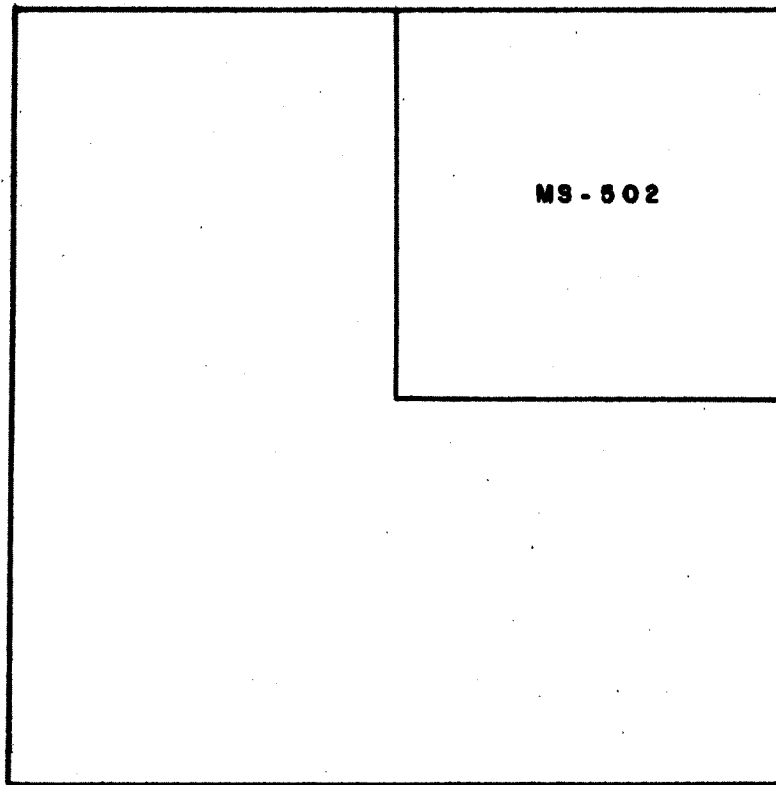


3-9-Sec.16

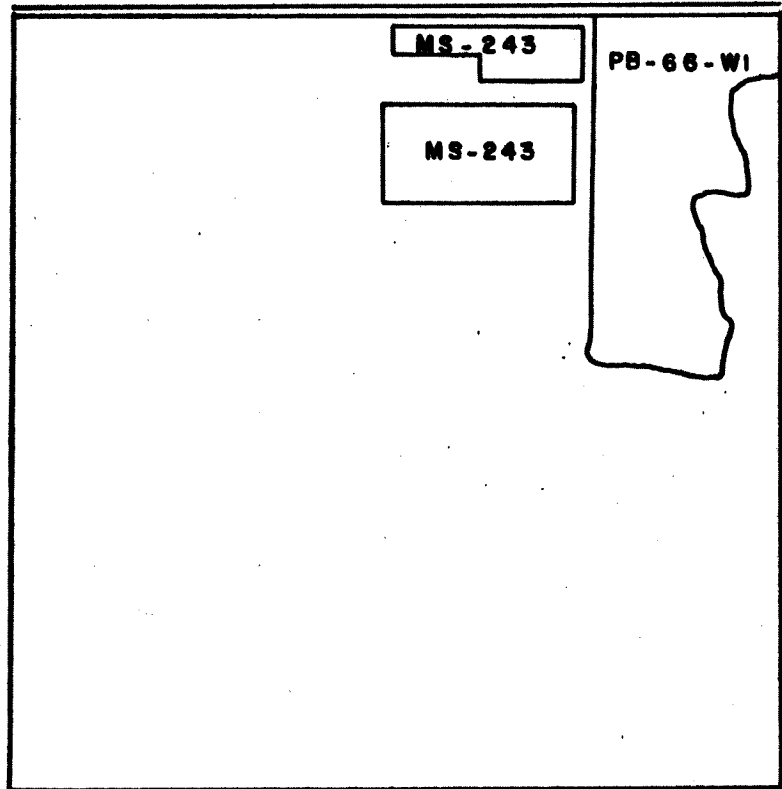


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3-9-Sec.17

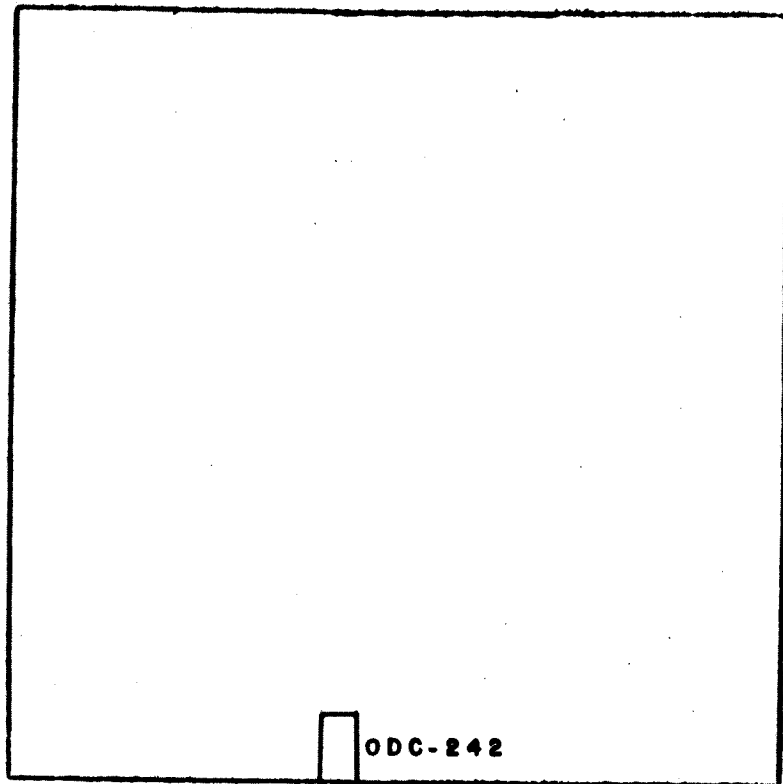


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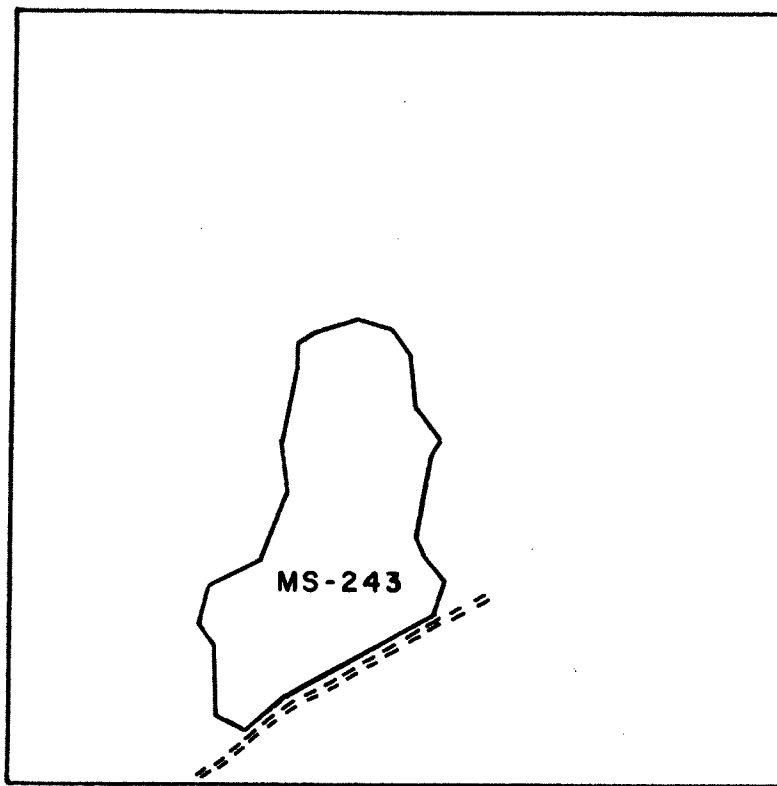


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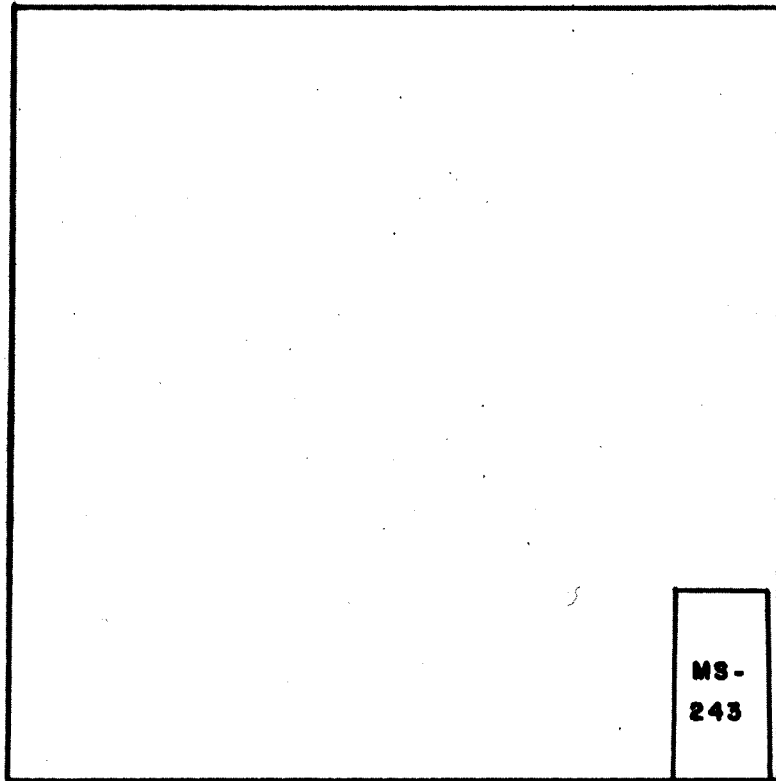


3 - 12 - Sec.16



Scale: 1 inch = 20 chains

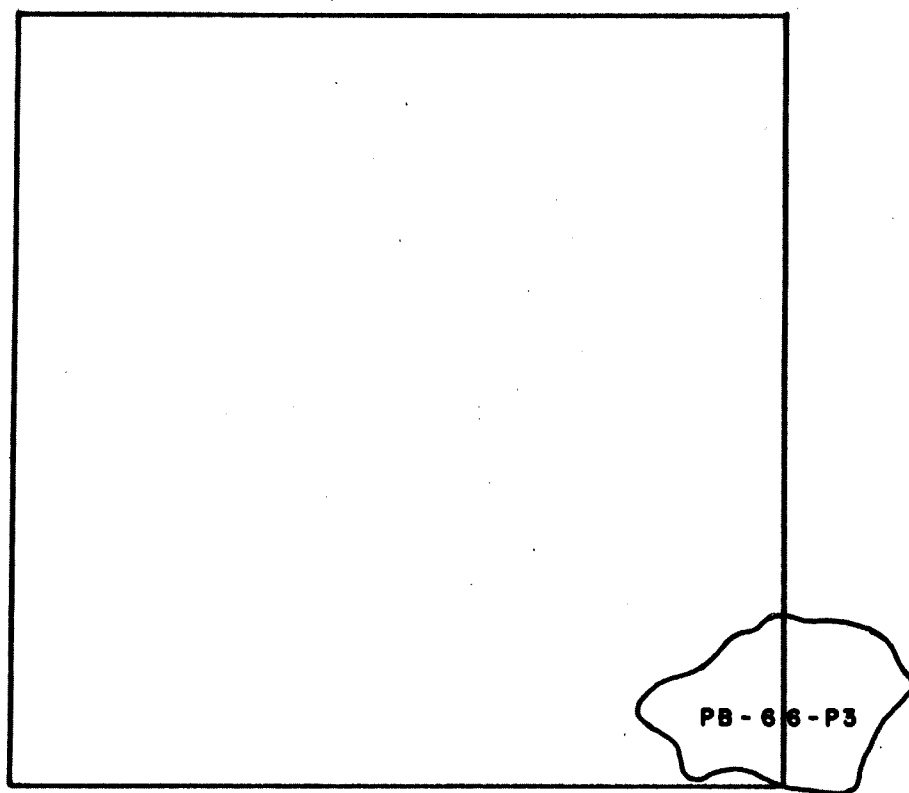
3-12-Sec.17



MS-  
243

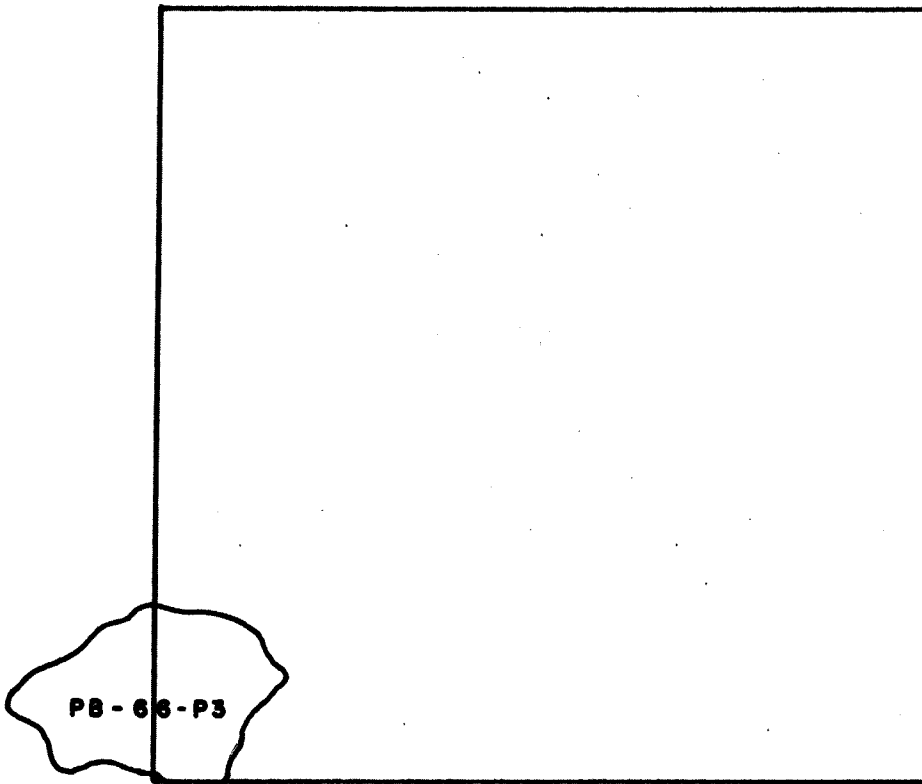
Scale: 1 inch = 20 chains

3-12-Sec. 19



Scale: 1 inch = 20 chains

3-12-Sec.20



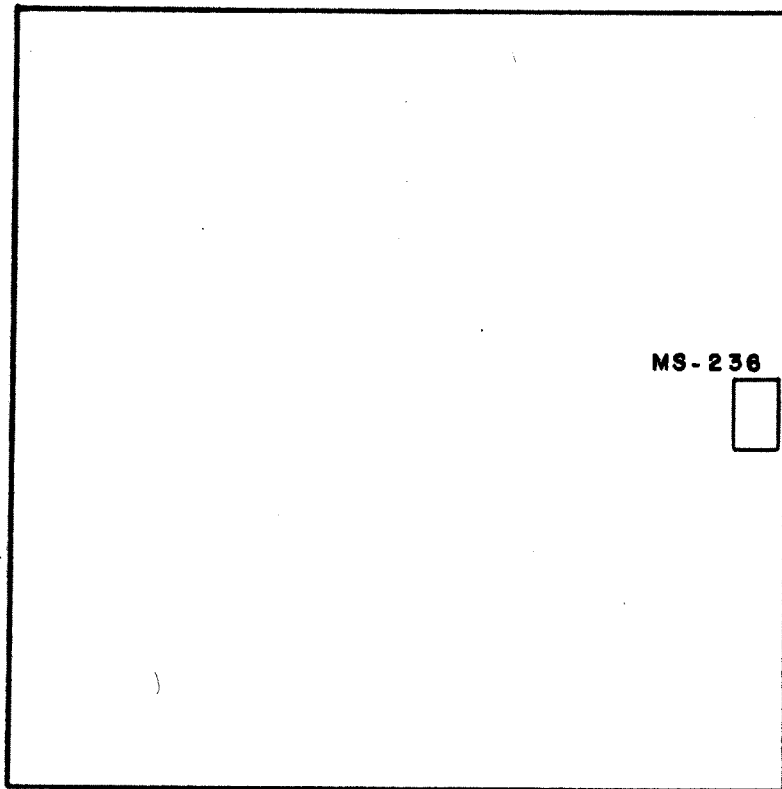
PB-66-P3

Scale: 1 inch = 20 chains



Twp. 4

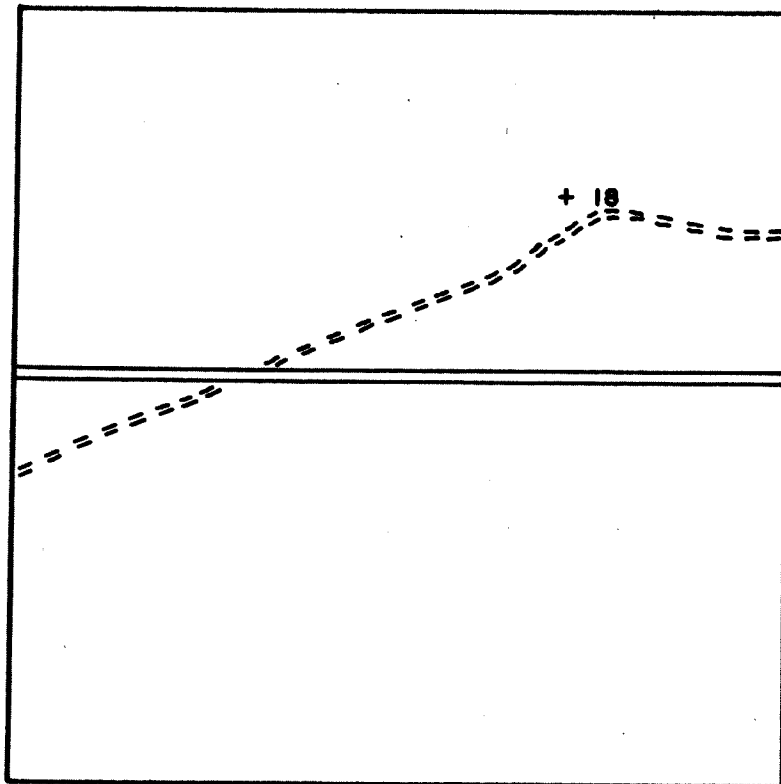
4-9-Sec. 8



Scale: 1 inch = 20 chains

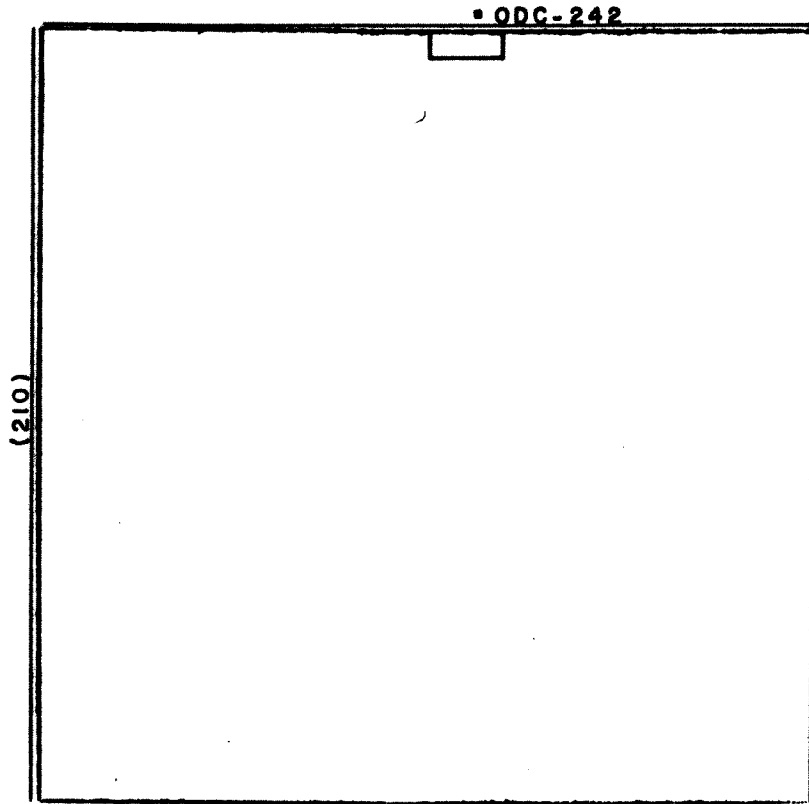
4-9-Sec. 25

+ MS-213

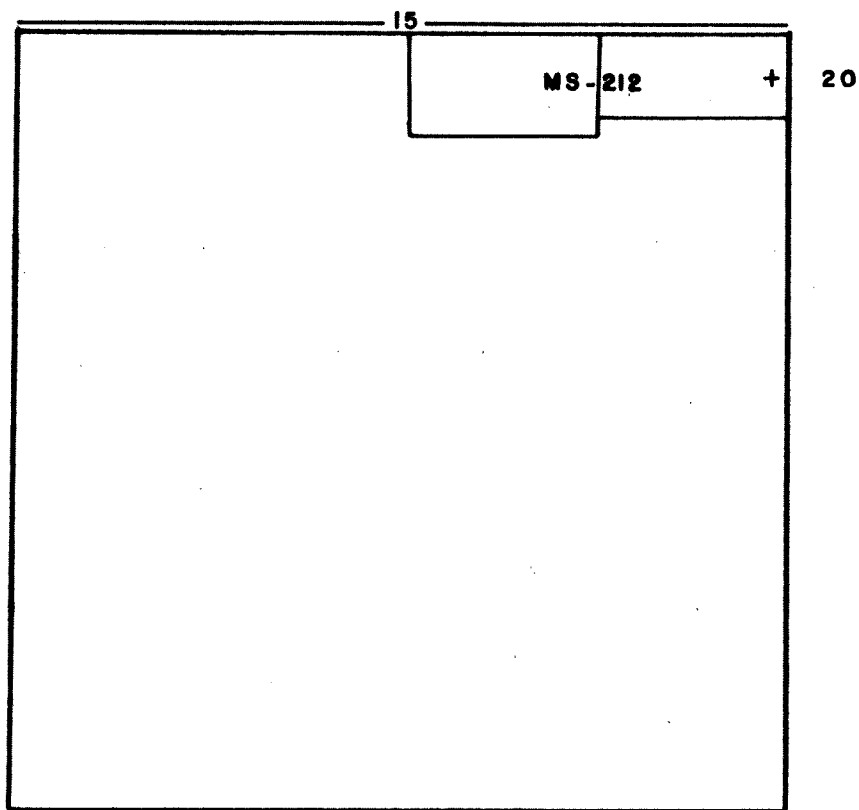


Scale: 1 inch = 20 chains

4-10-Sec. 14

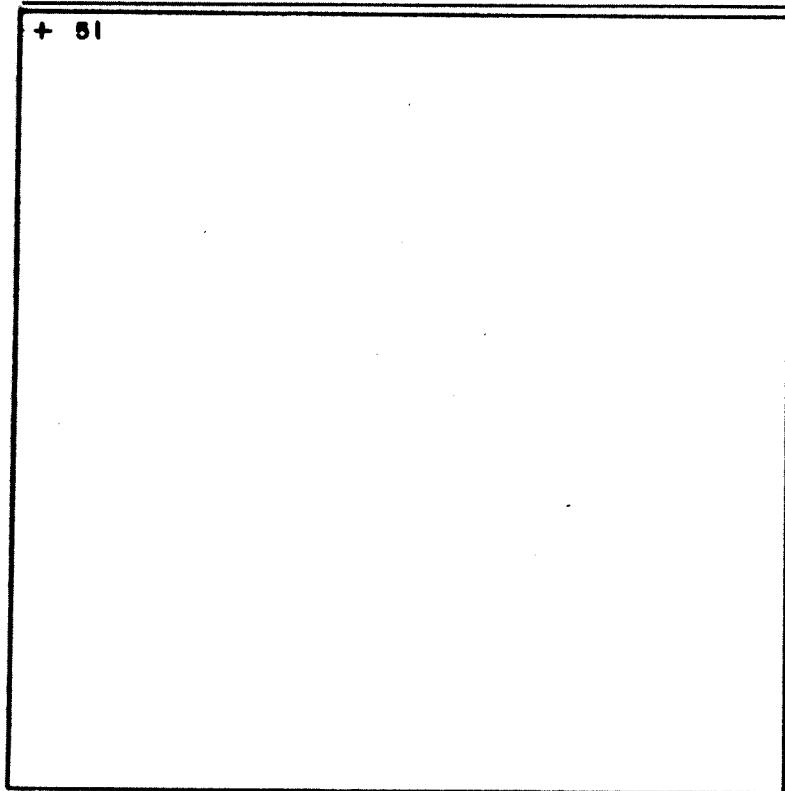


+ MS-213



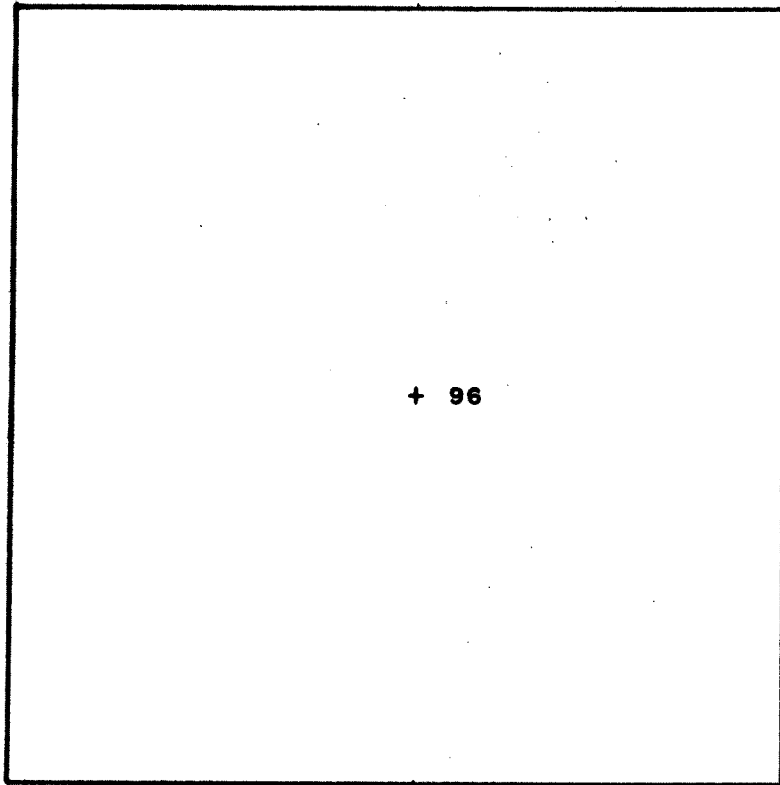
Scale: 1 inch = 20 chains

+ MS-213



Scale: 1 inch = 20 chains

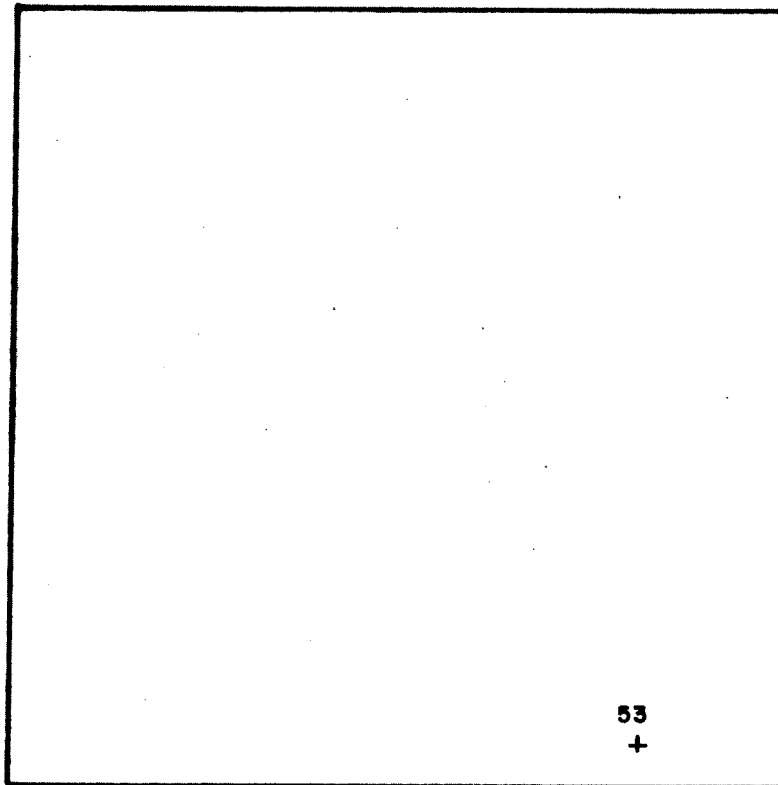
+ MS-213



+ 96

Scale: 1 inch = 20 chains

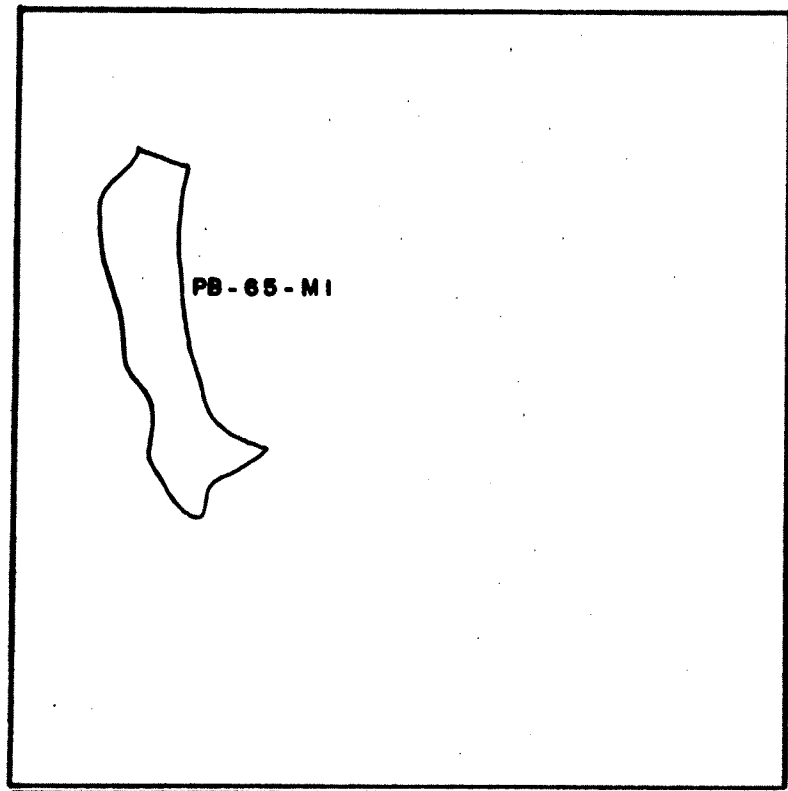
+ MS-213



Scale: 1 inch = 20 chains

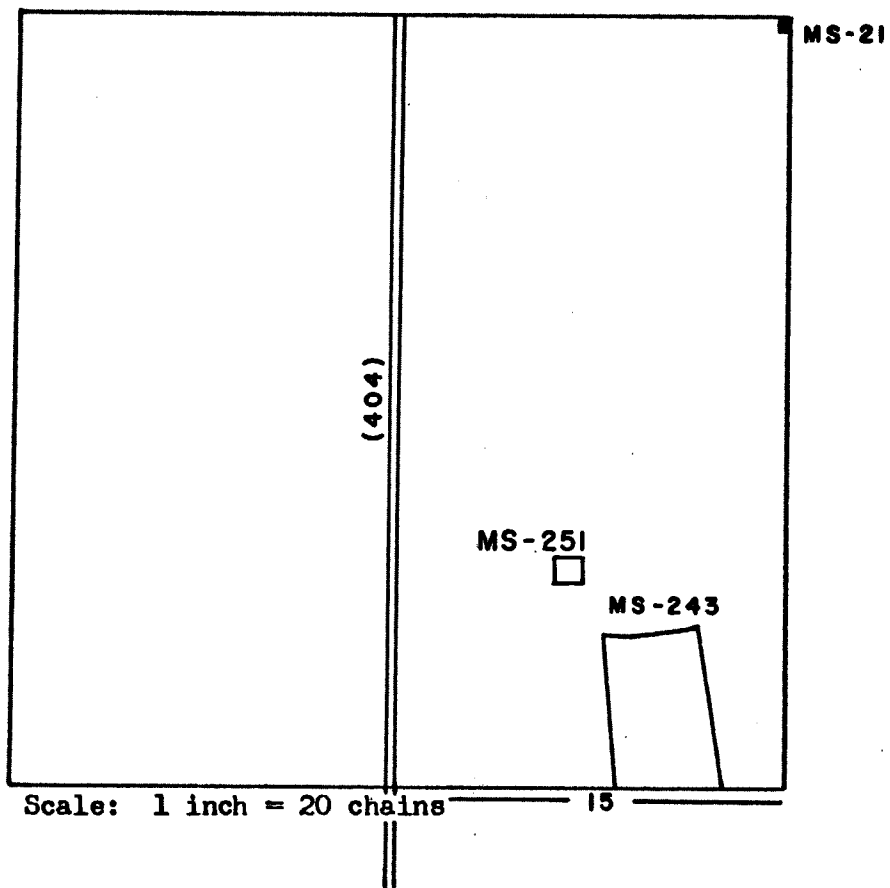


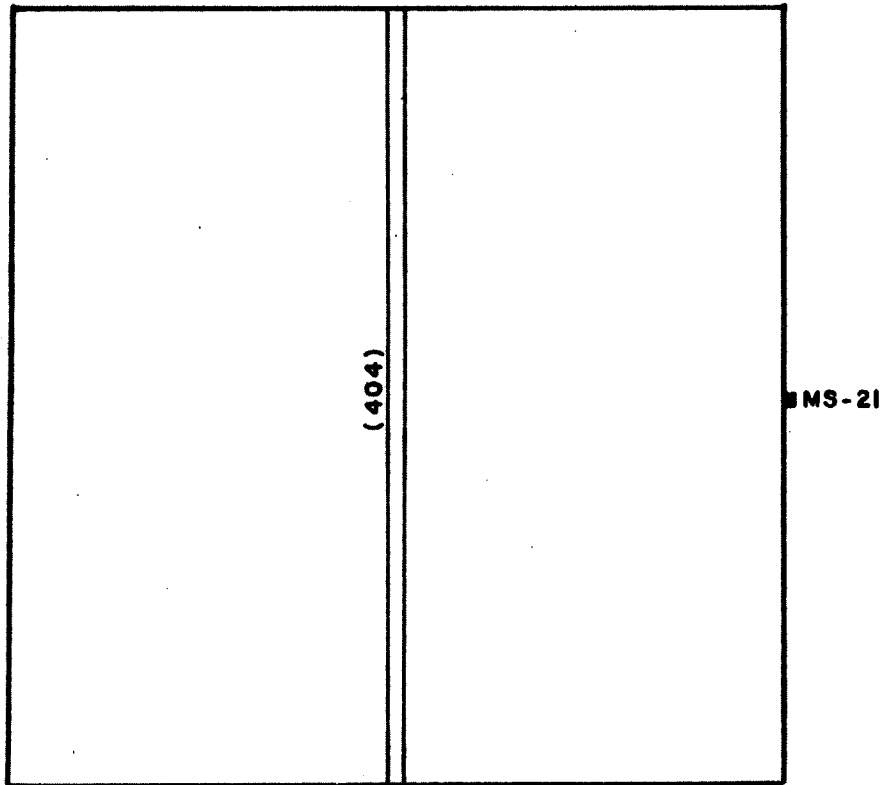
Twp. 5



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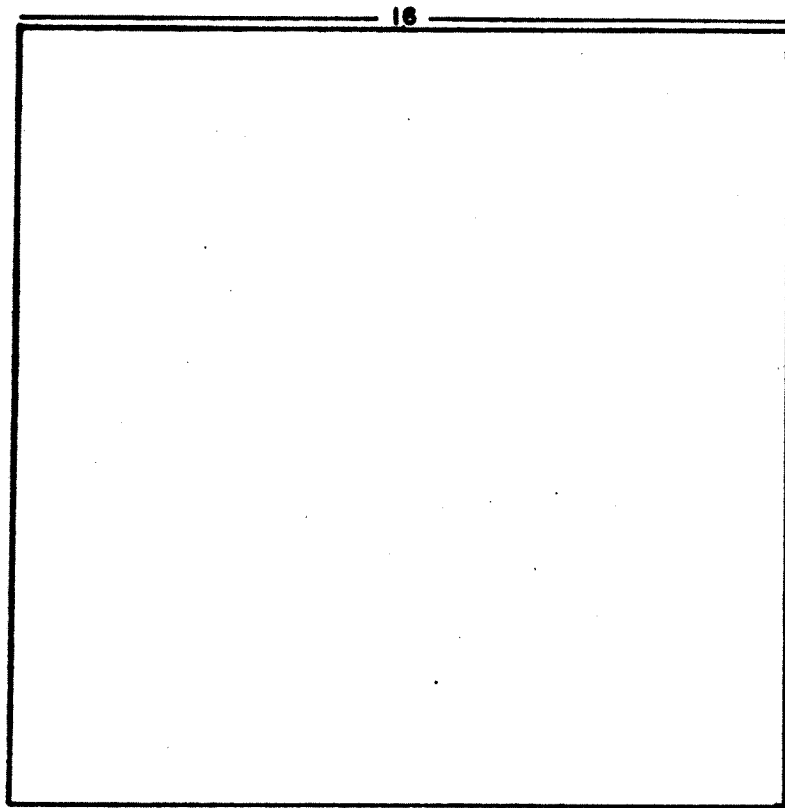
# 5-9-Sec.3





Scale: 1 inch = 20 chains

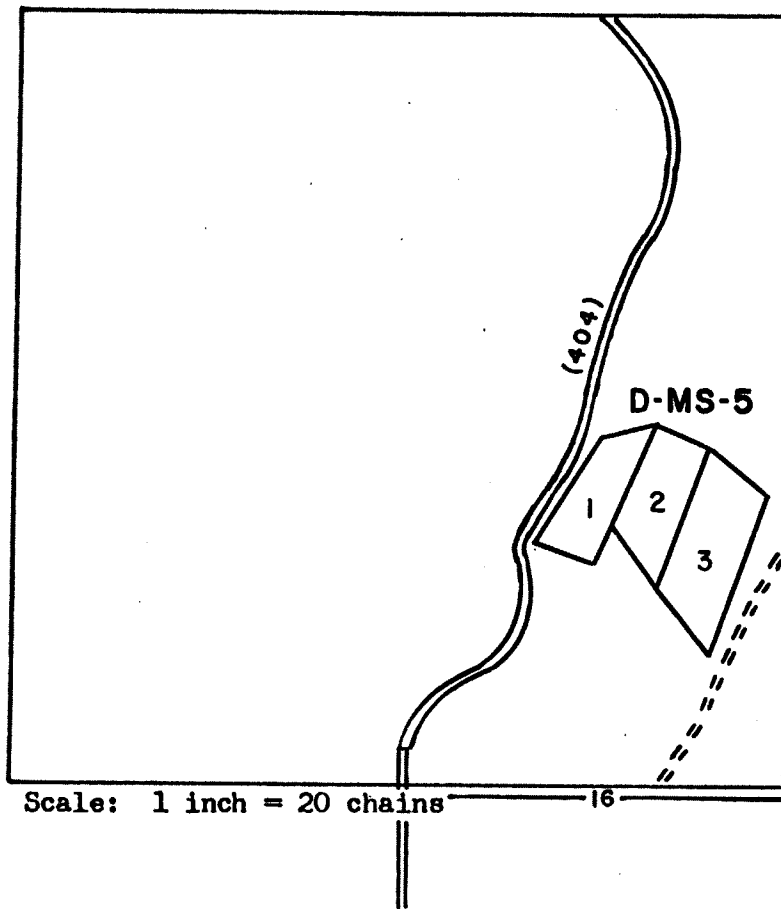
5-9-Sec. 13



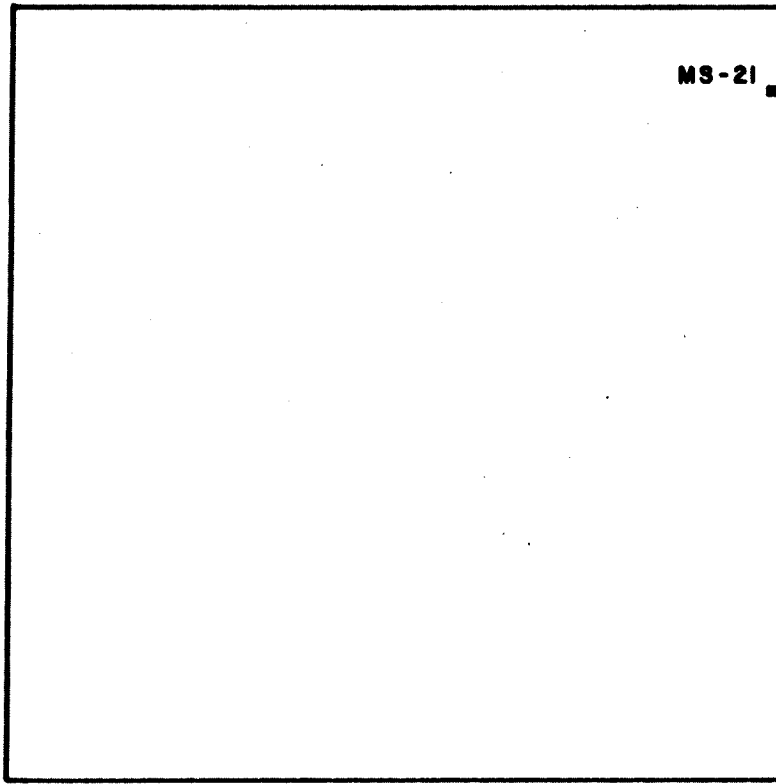
Scale: 1 inch = 20 chains

MS-21

5 - 9 - Sec. 22

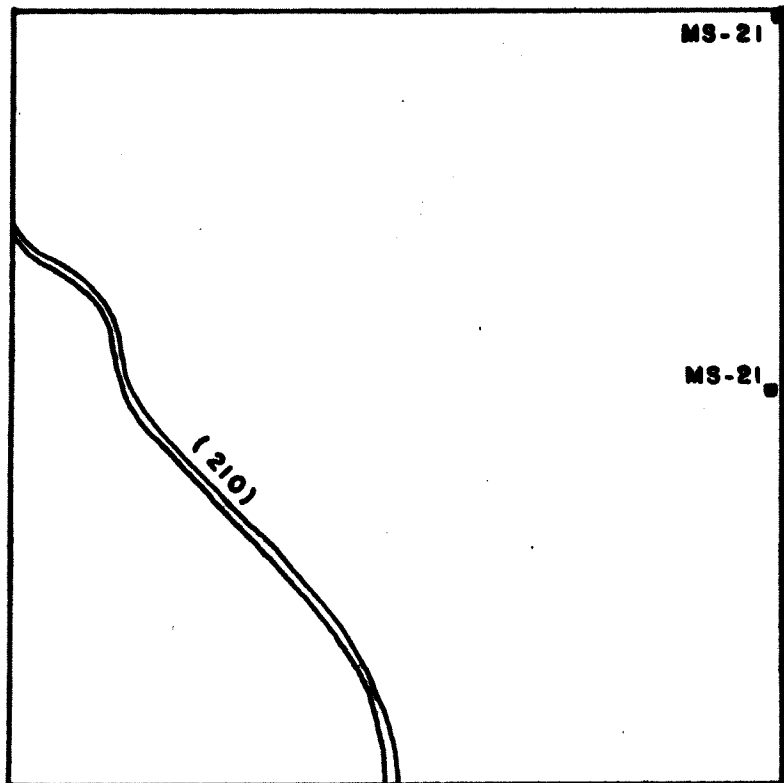


5-9-Sec. 24



Scale: 1 inch = 20 chains 16

5-9-Sec. 25

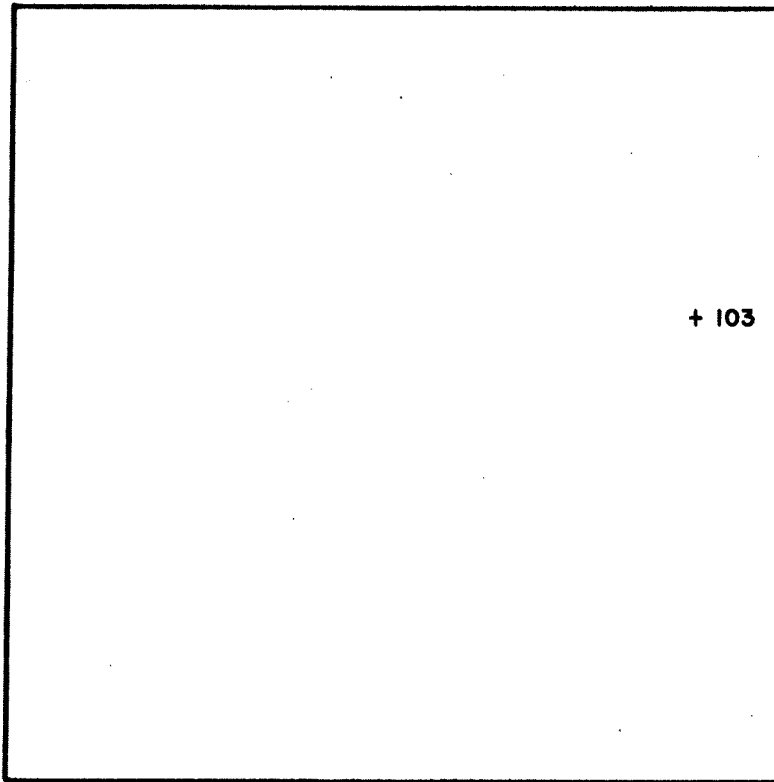


Scale: 1 inch = 20 chains



5-9-Sec. 27

+ MS-213

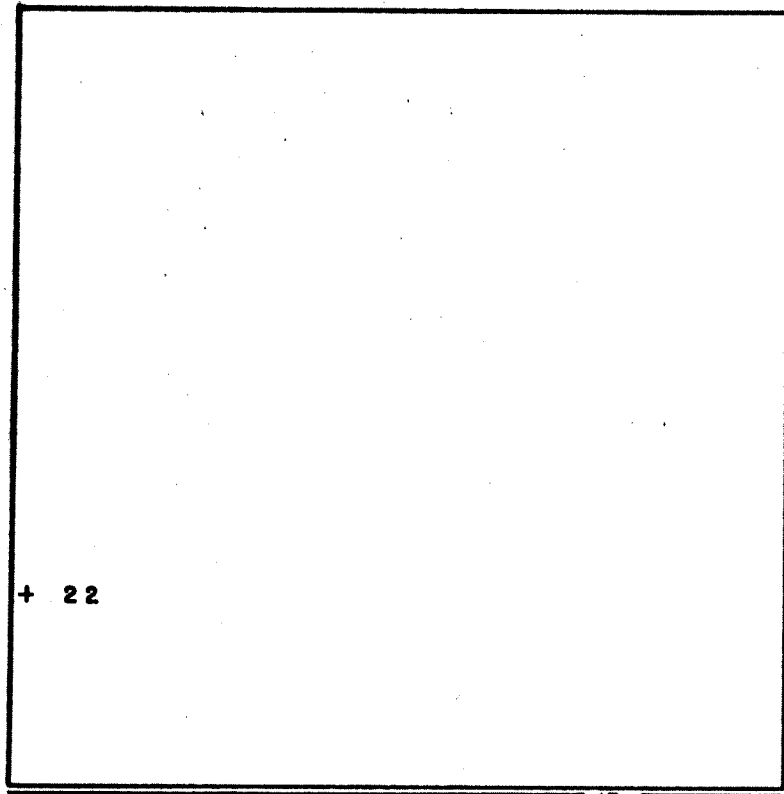


+ 103

Scale: 1 inch = 20 chains

# 5-10-Sec. 5

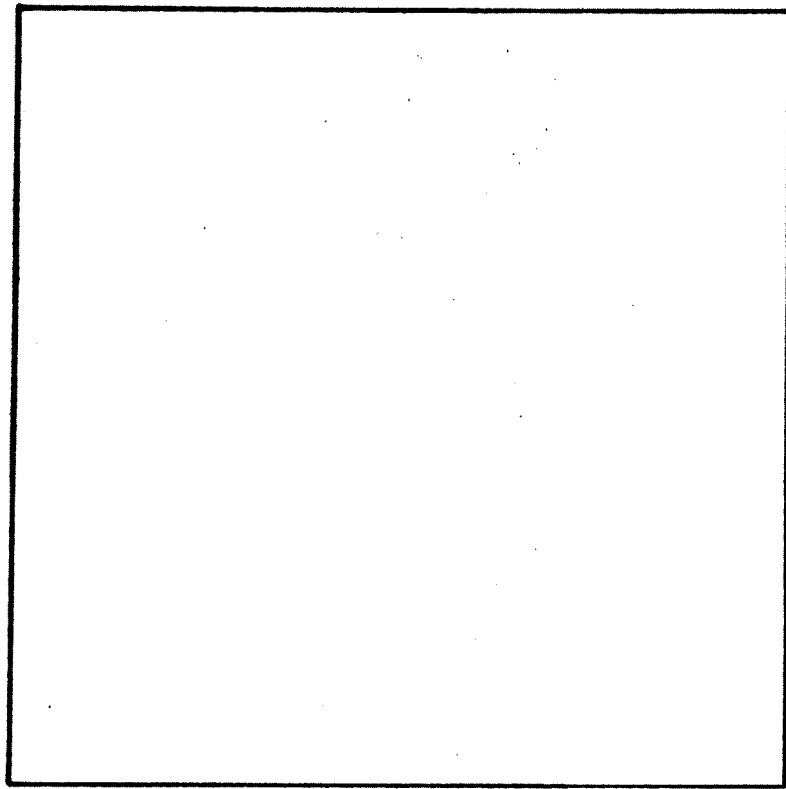
+ MS-213



+ 22

Scale: 1 inch = 20 chains

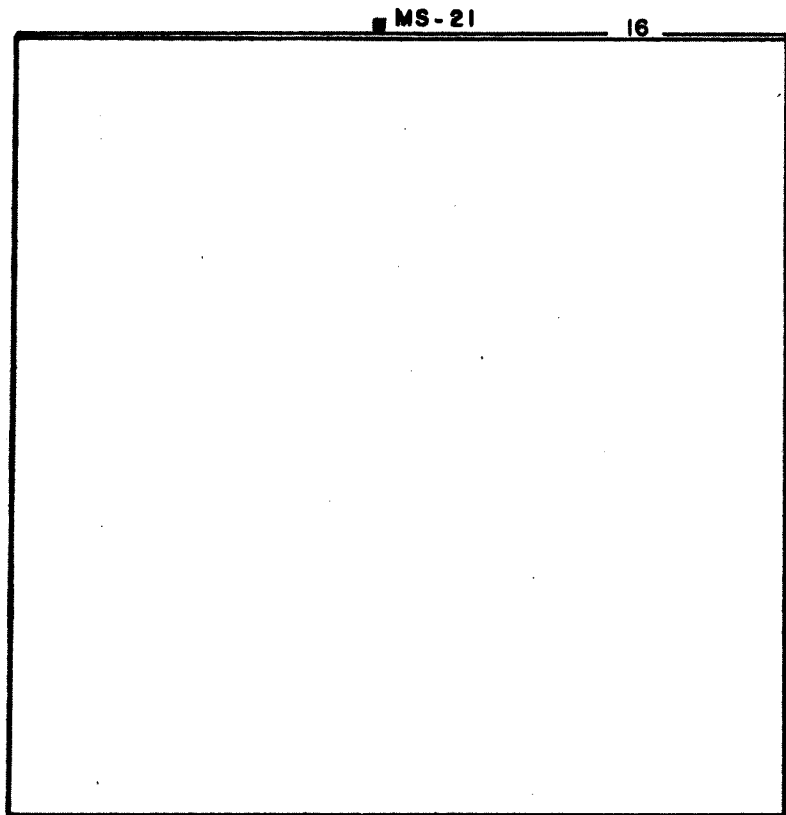
15



MS-21

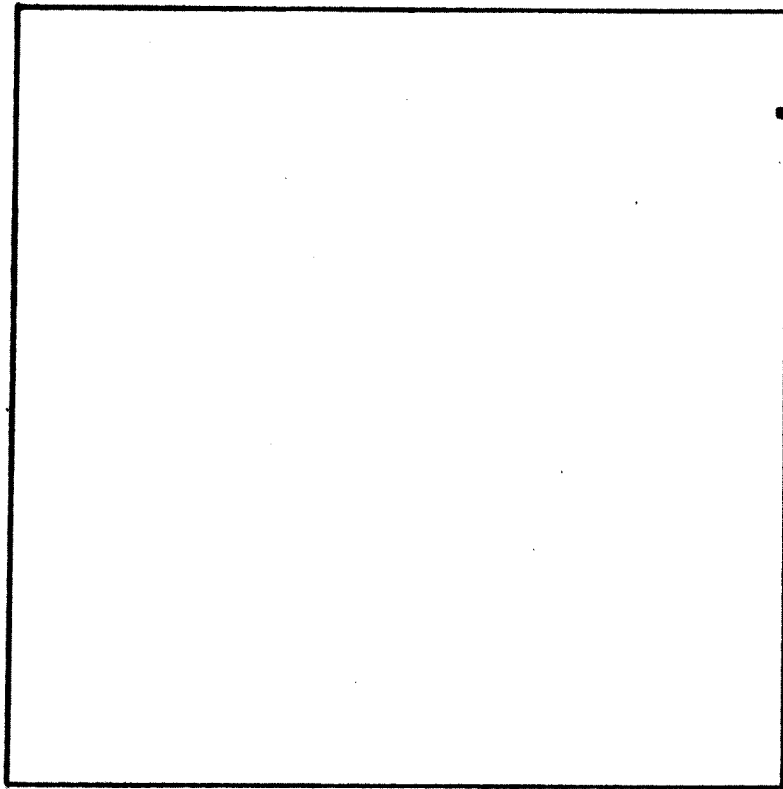
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5-10-Sec. 17



Scale: 1 inch = 20 chains

5-10 - Sec. 19

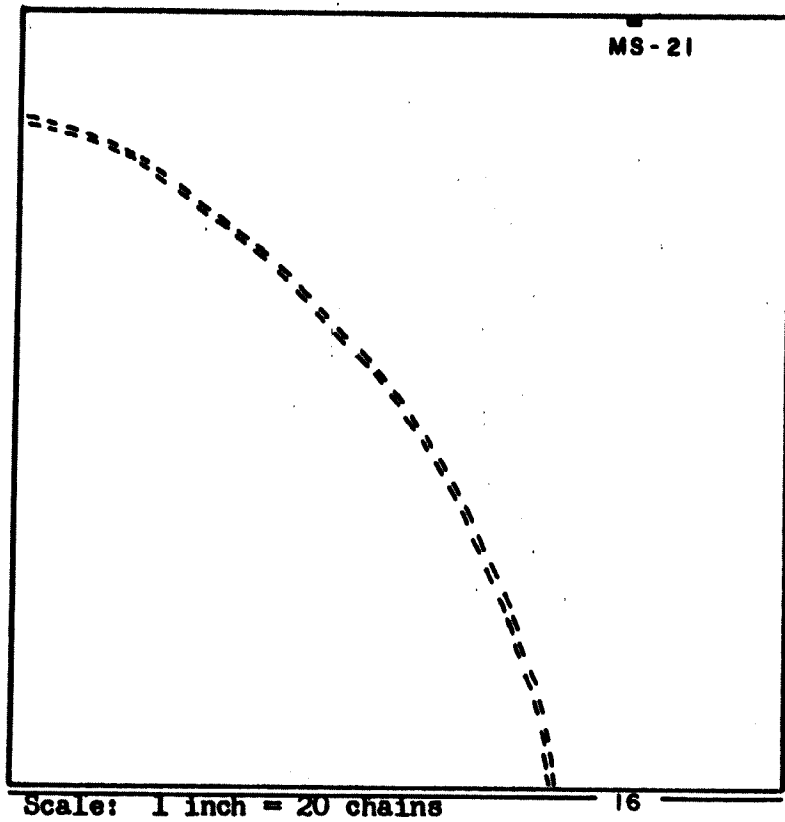


MS-21

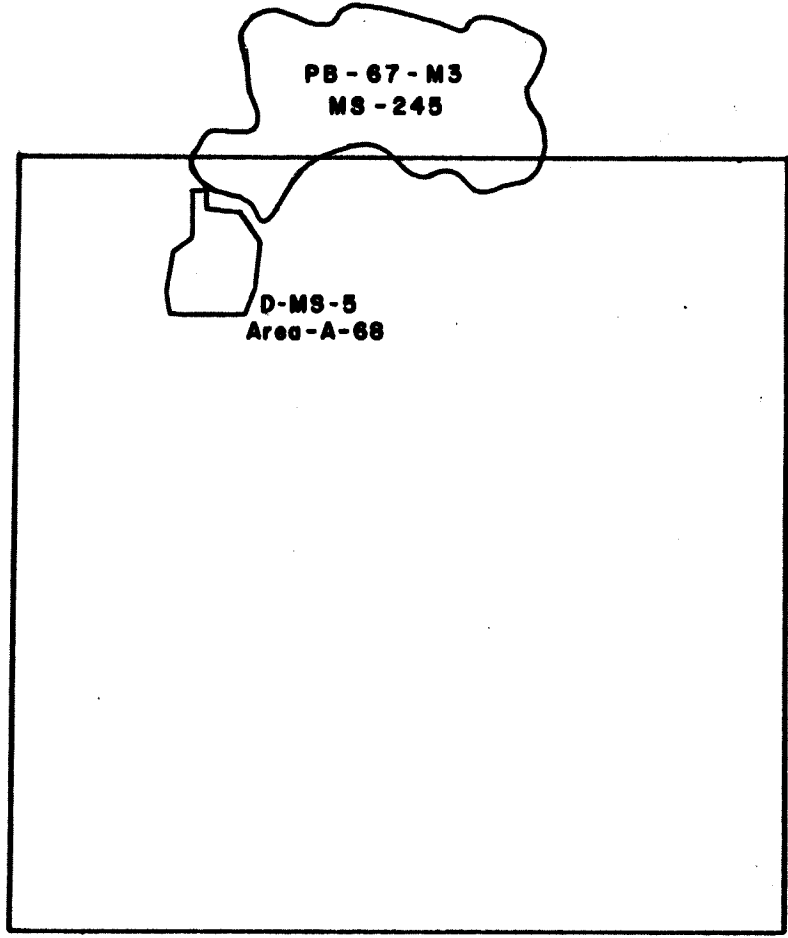
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16

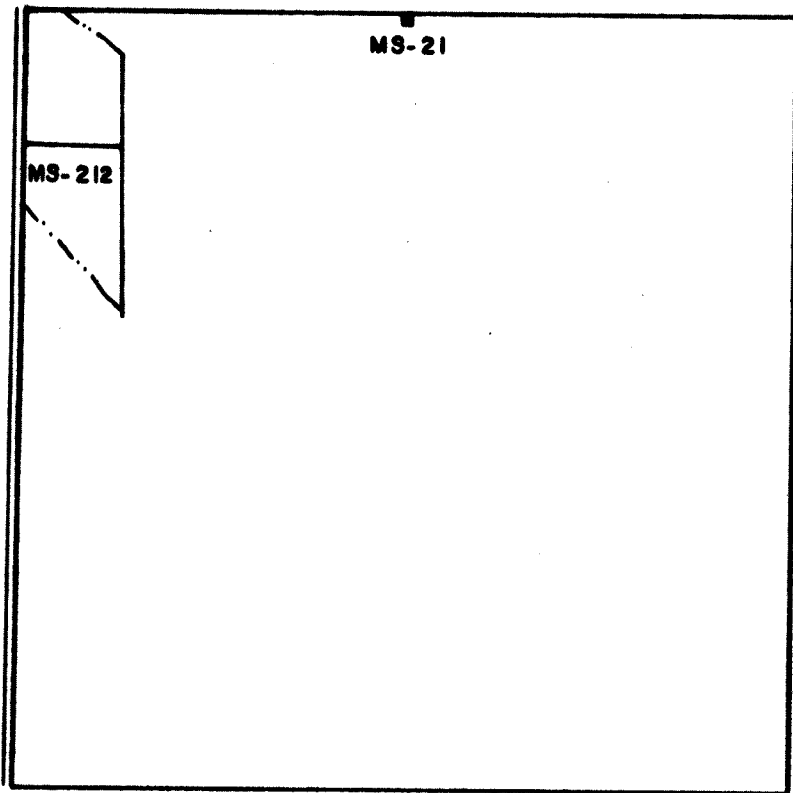
5-10-Sec. 20



5-10-Sec. 29

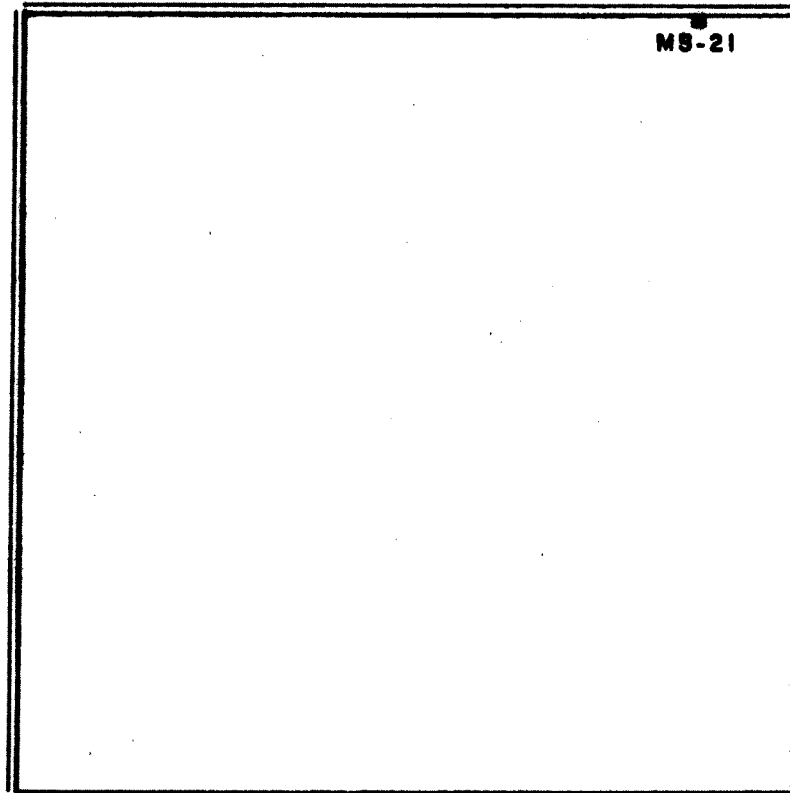


Scale: 1 inch = 20 chains



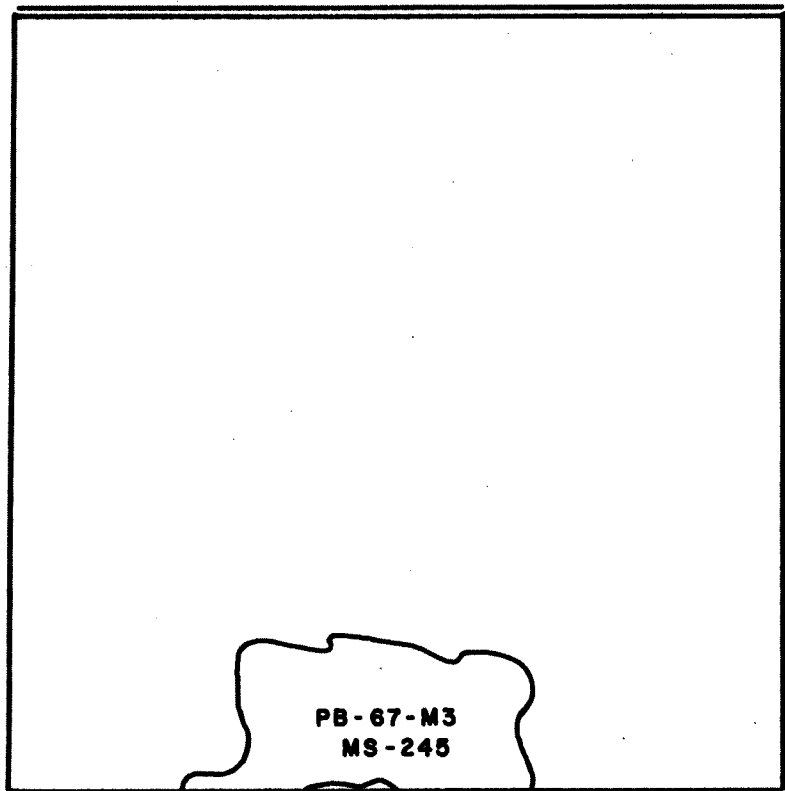
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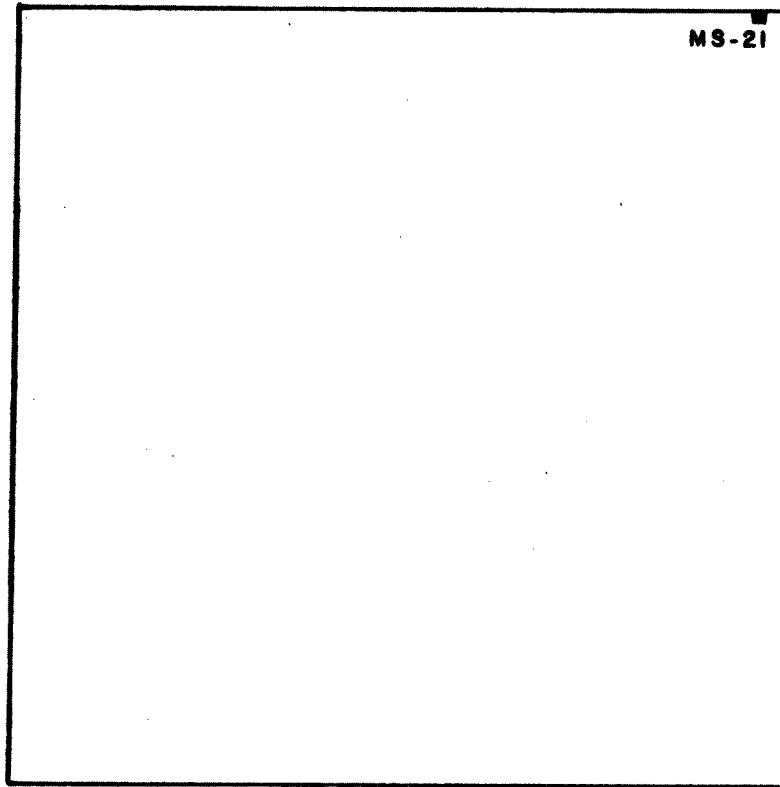
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5-10-Sec.32

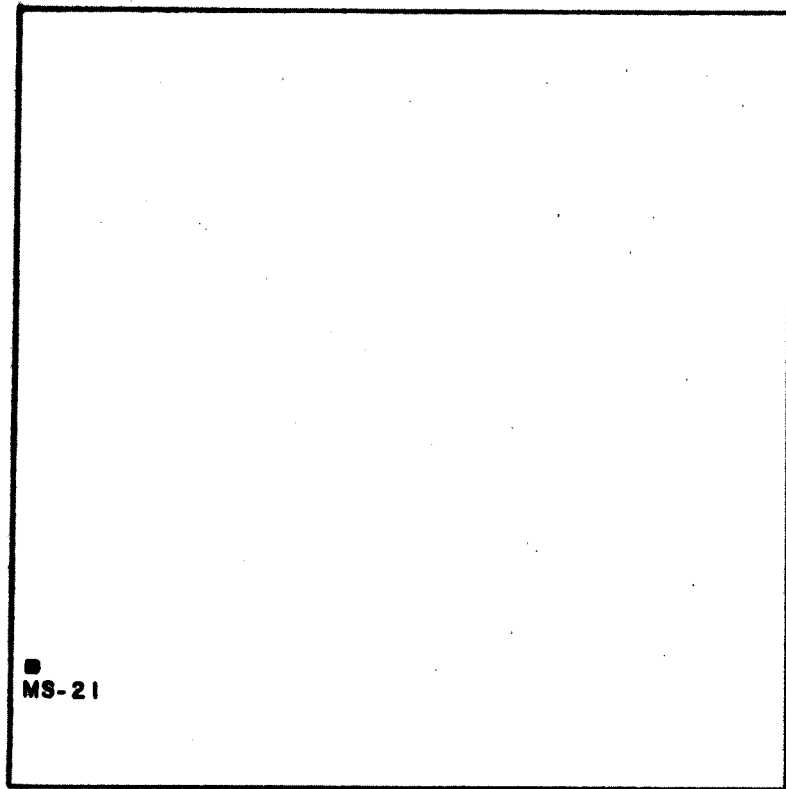


Scale: 1 inch = 20 chains

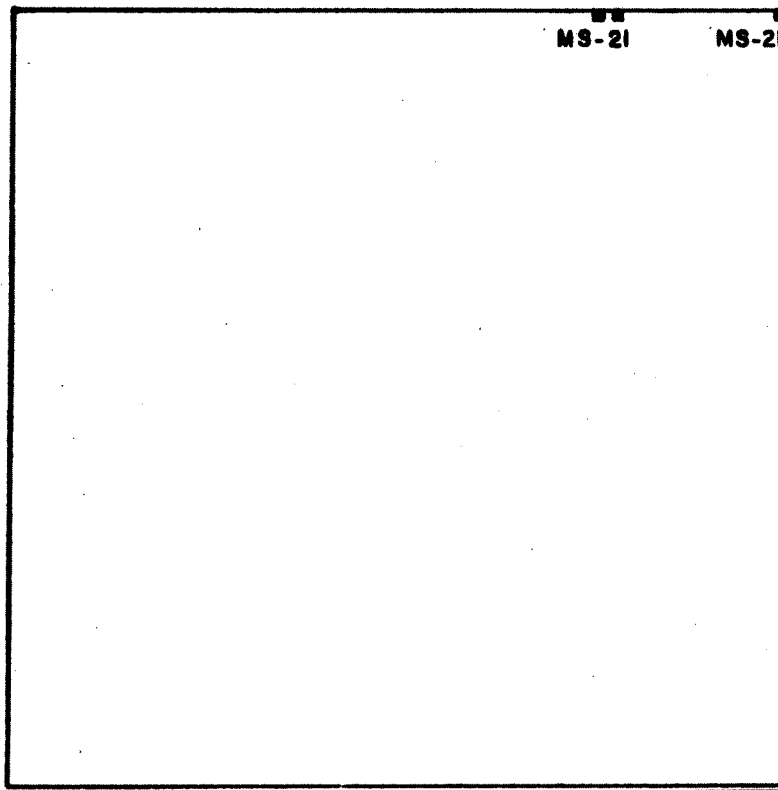
Twp. 6



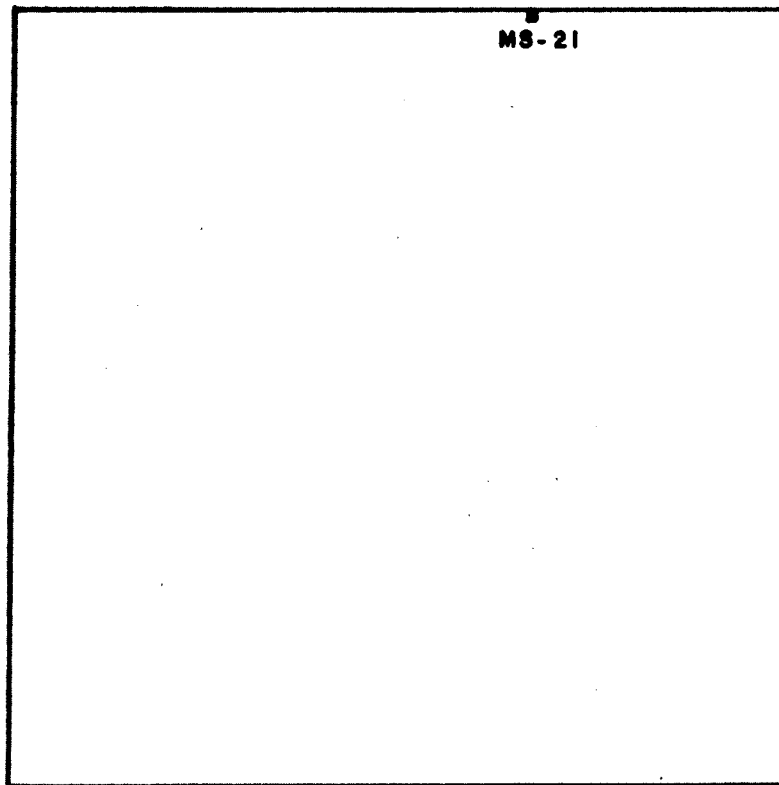
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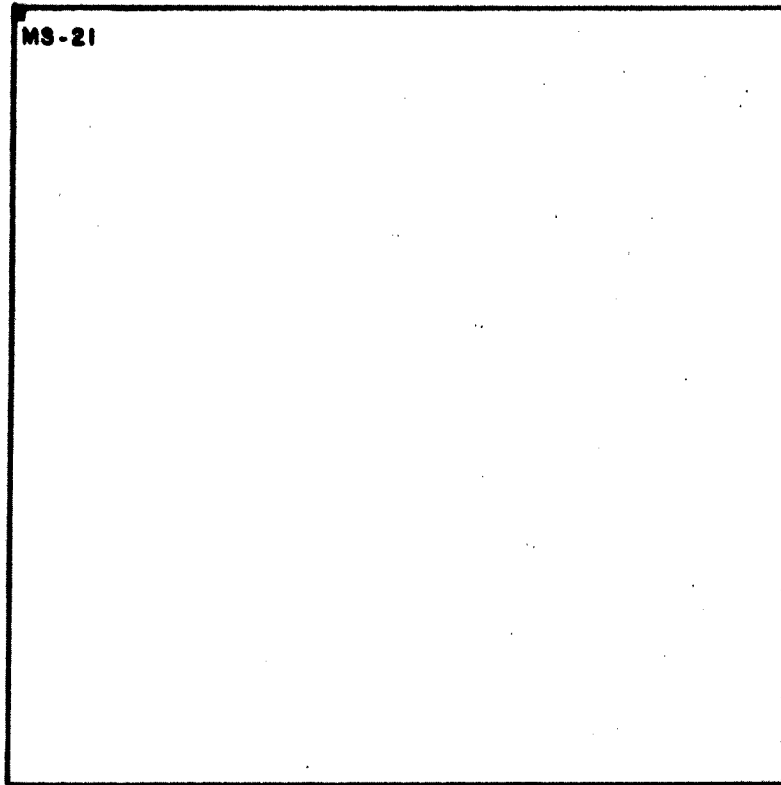
Scale: 1 inch = 20 chains



Scale: 1 inch = 20 chains

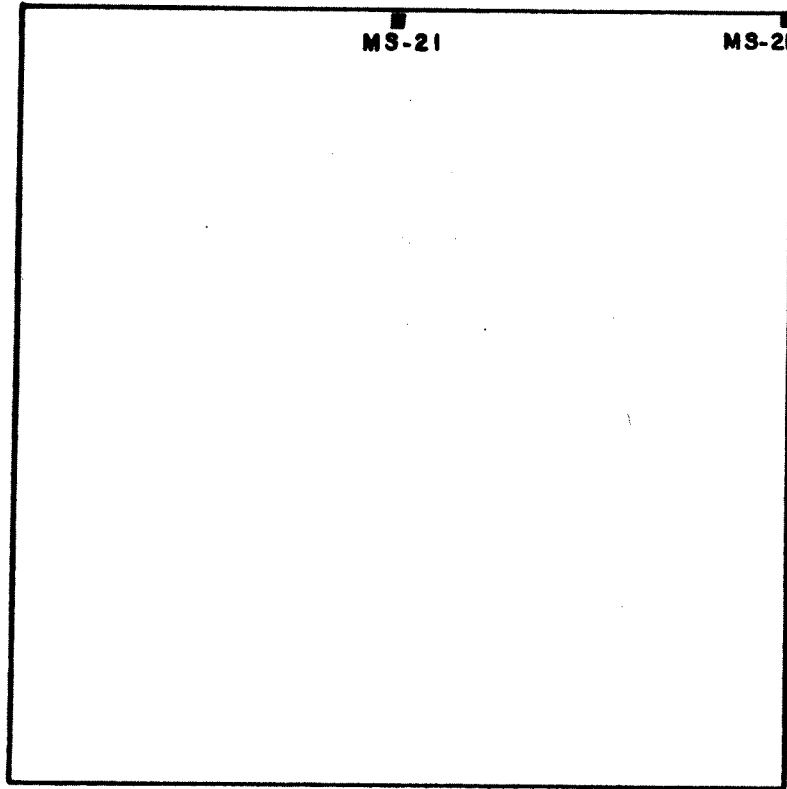


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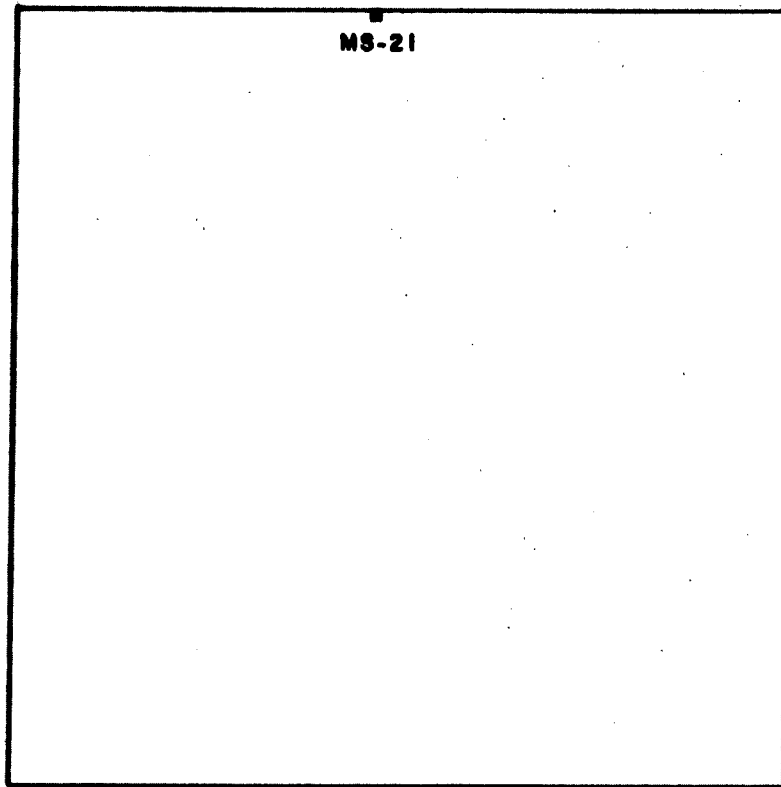


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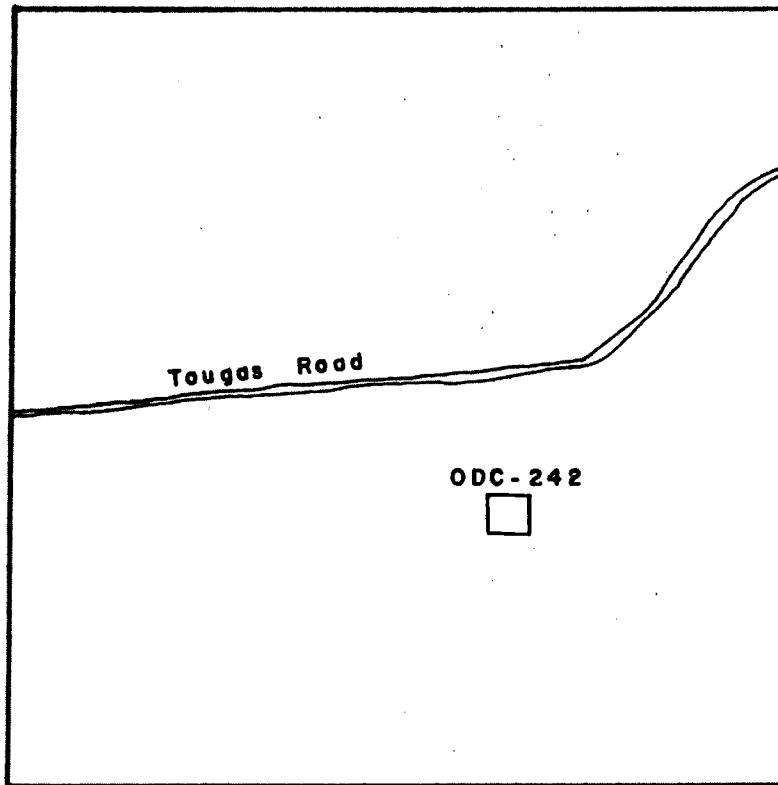


Scale: 1 inch = 20 chains



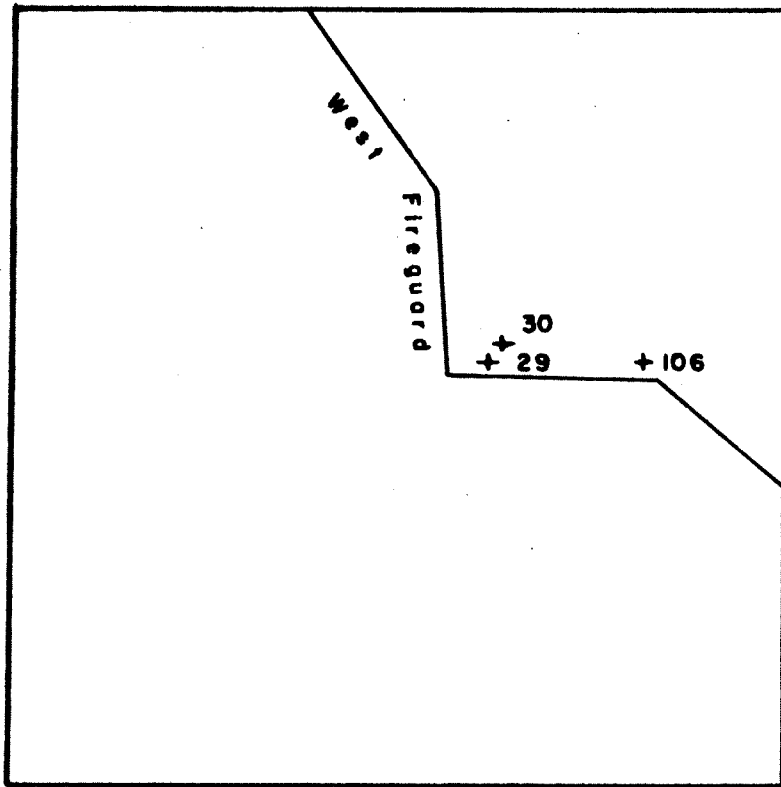
Scale: 1 inch = 20 chains

Twp. 7



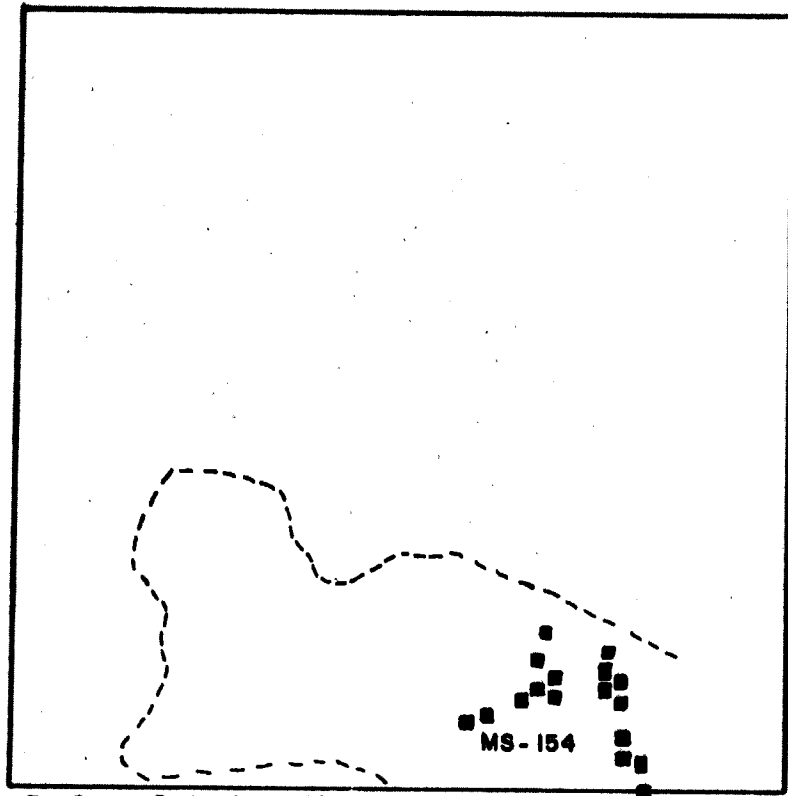
Scale: 1 inch = 20 chains

+ MS-213



Scale: 1 inch = 20 chains

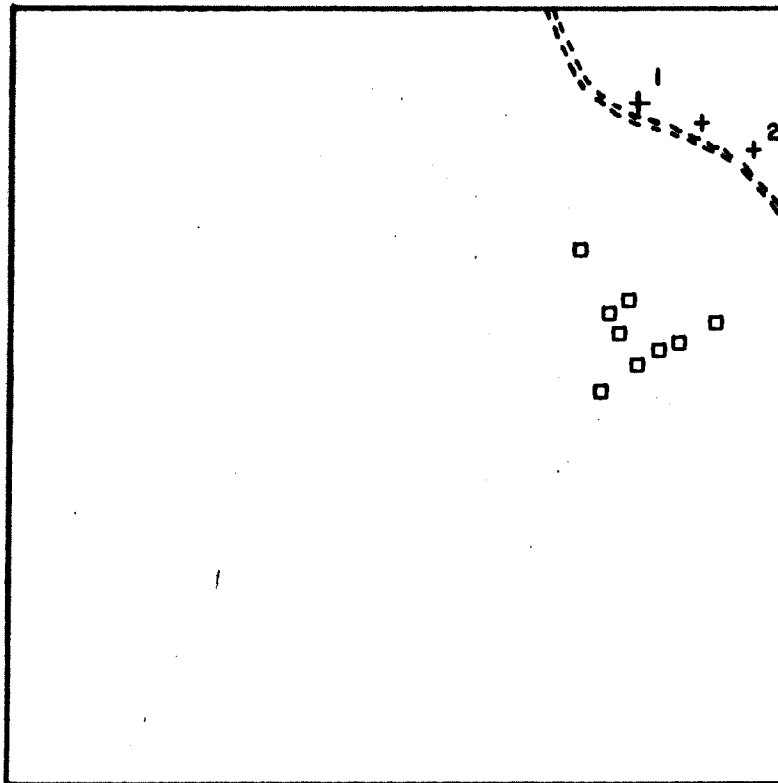
7-10-Sec.21



Scale: 1 inch = 20 chains

+ MS-213

□ MS-151

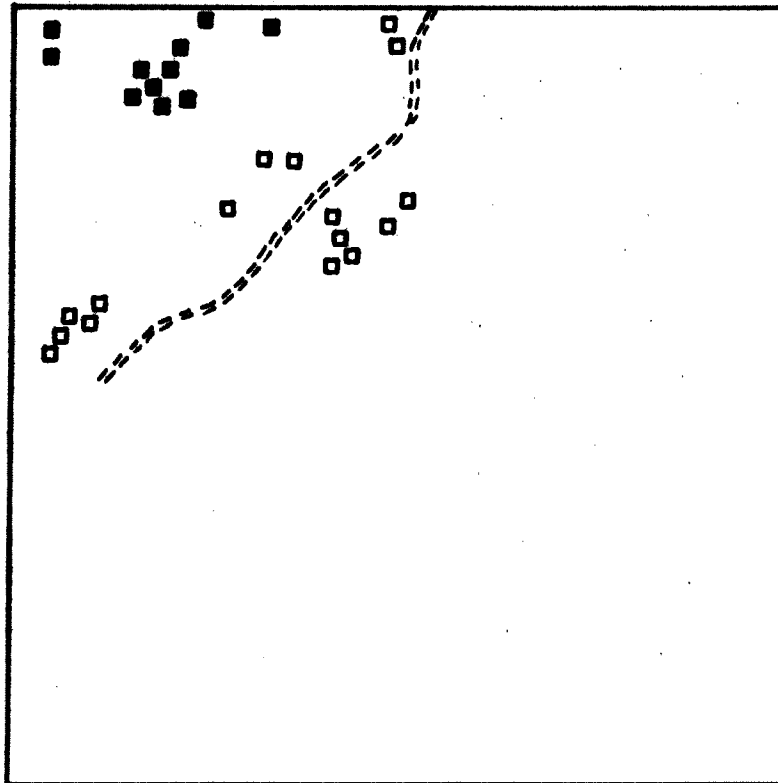


Scale: 1 inch = 20 chains

7-10-Sec. 27

□ MS-161

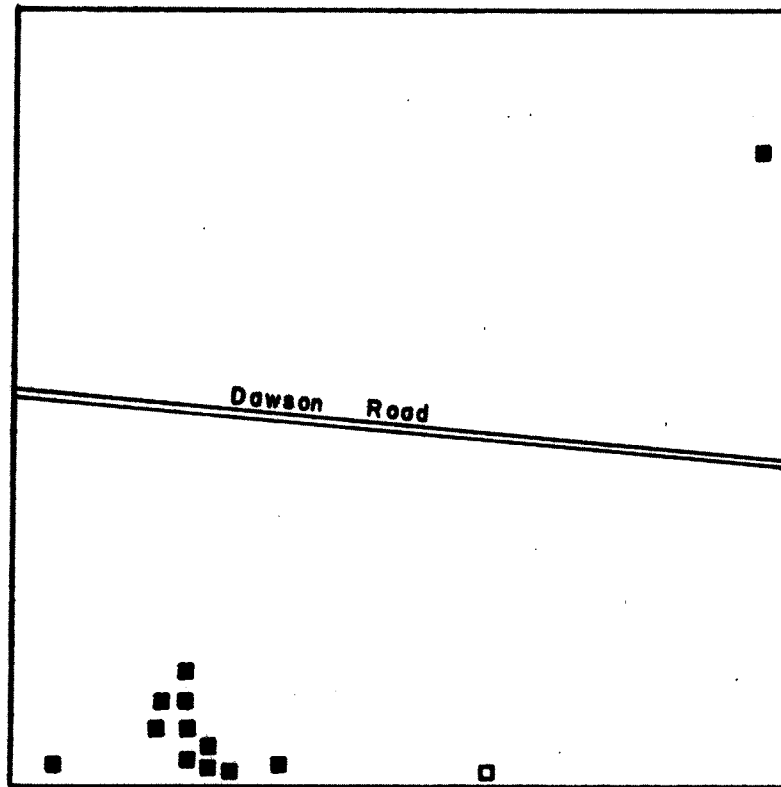
■ MS-152



Scale: 1 inch = 20 chains



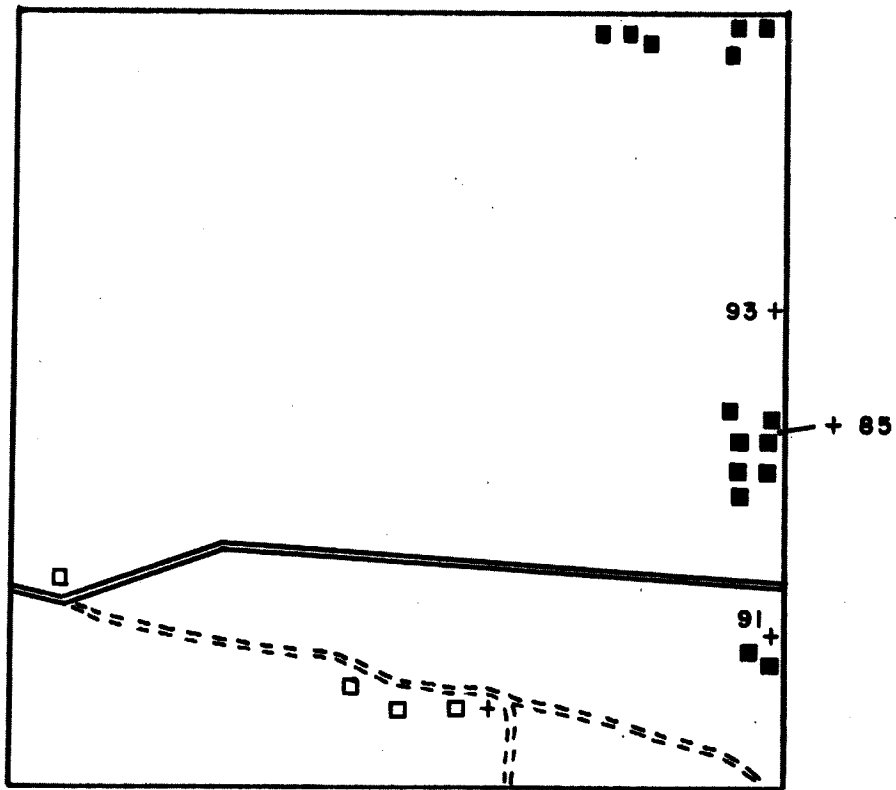
- MS-151
- MS-152



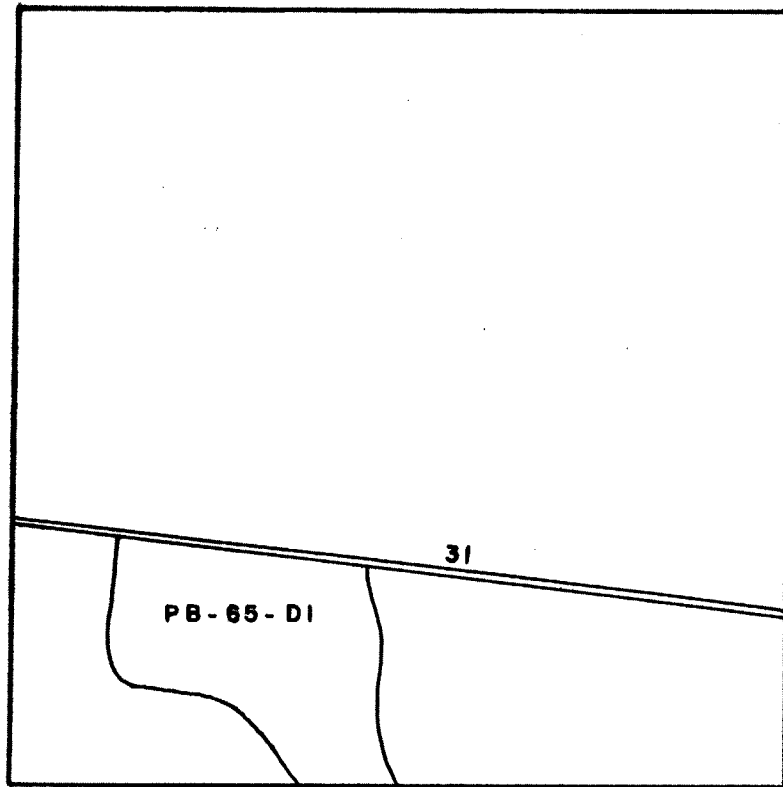
Scale: 1 inch = 20 chains

7-10-Sec. 36

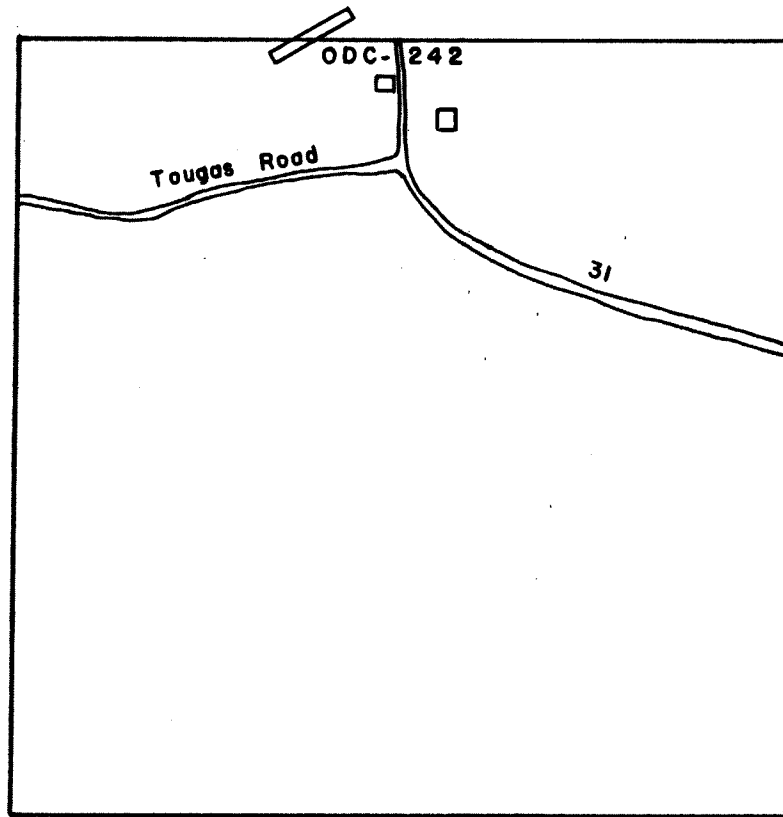
- + MS-213
- MS-151
- MS-152



Scale: 1 inch = 20 chains

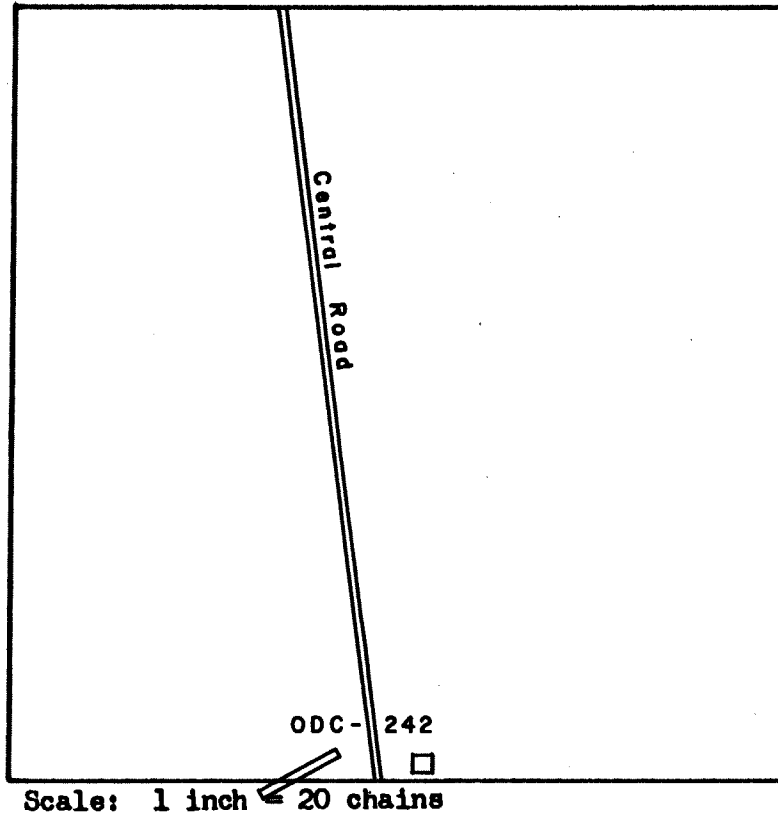


Scale: 1 inch = 20 chains

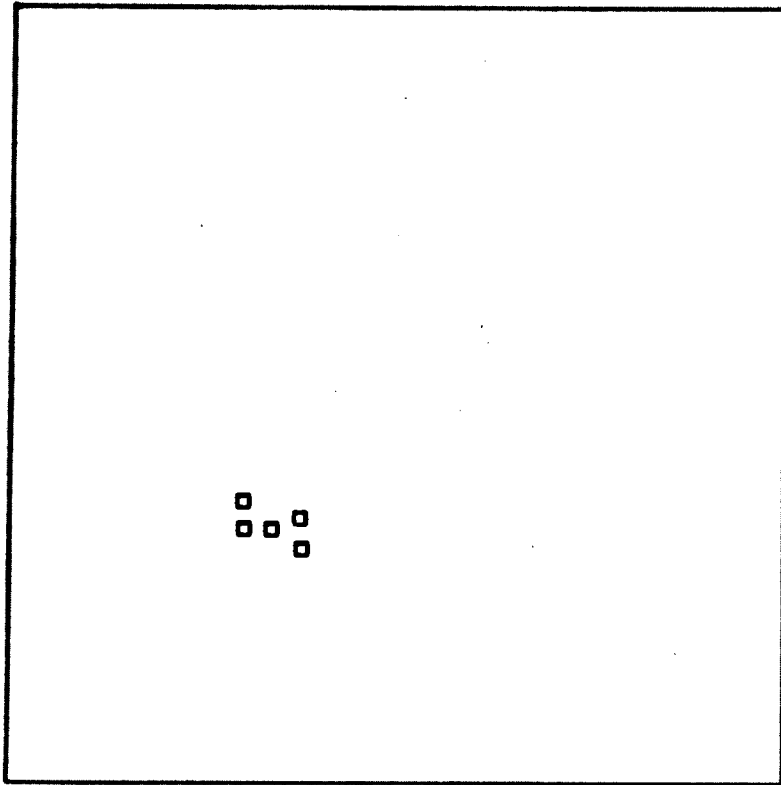


Scale: 1 inch = 20 chains

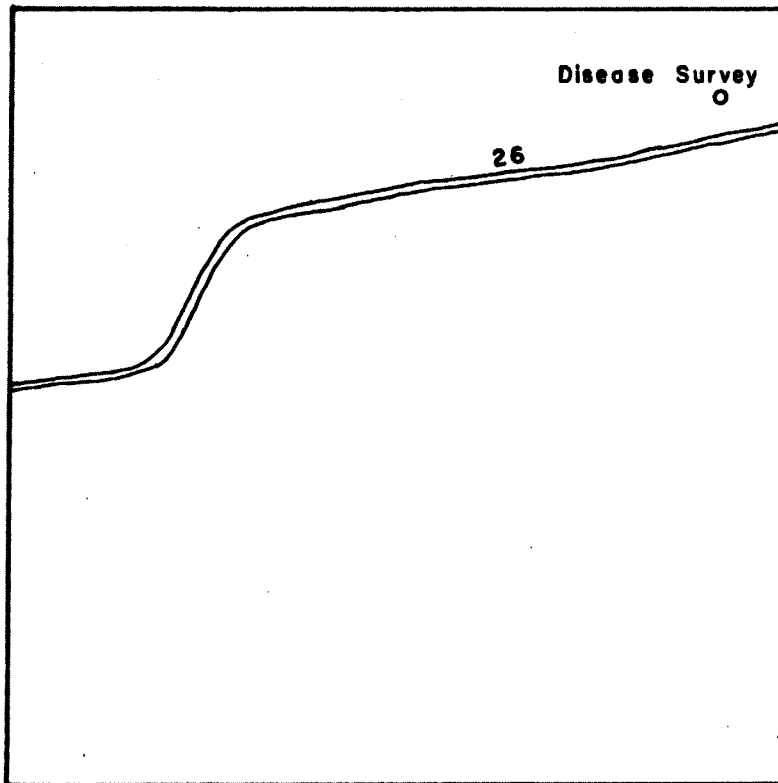
7-11-Sec. 19



□ MS-151



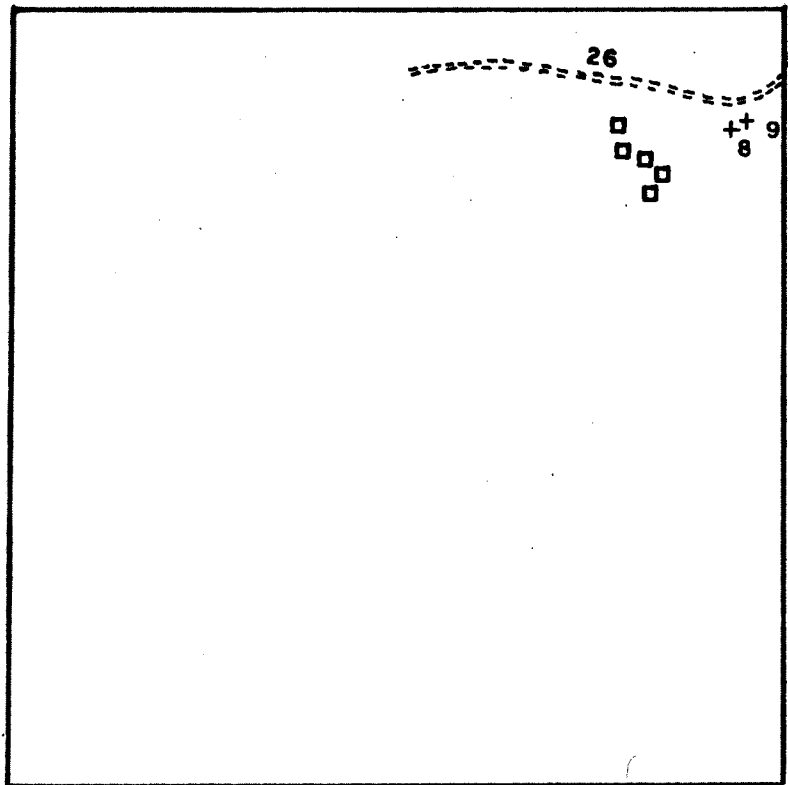
Scale: 1 inch = 20 chains



Scale: 1 inch = 20 chains

+ MS-213

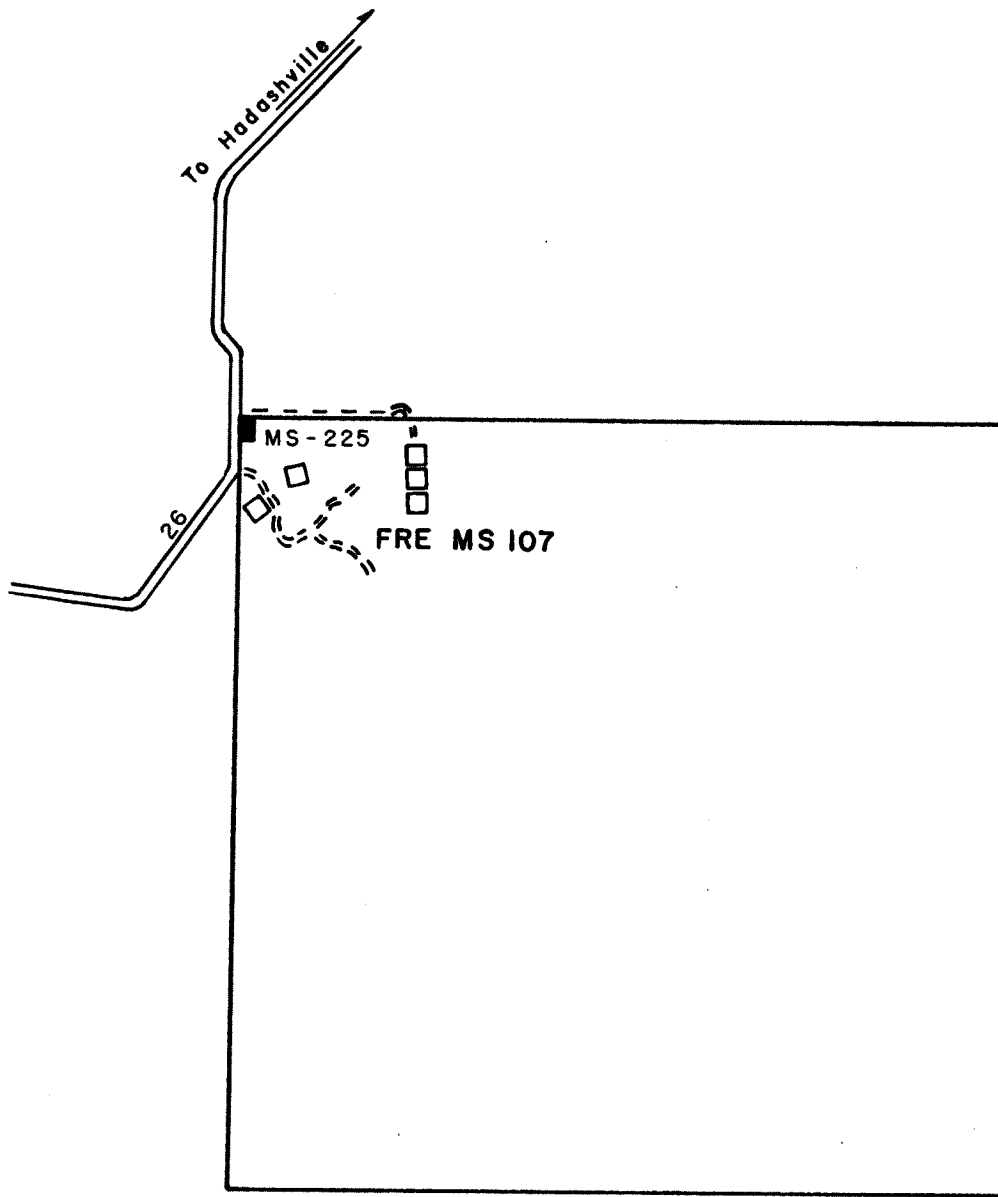
□ MS-151



Scale: 1 inch = 20 chains

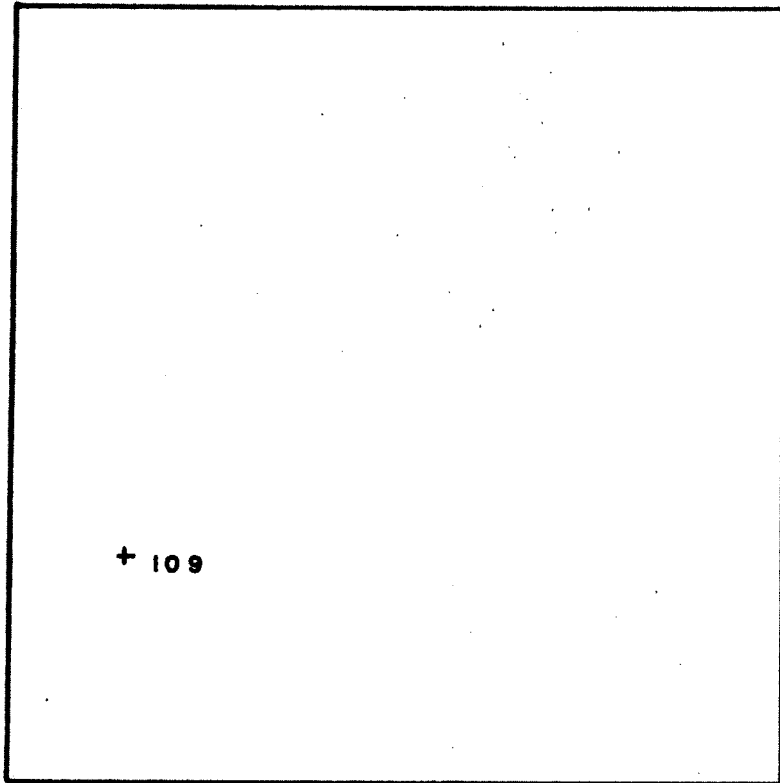


7-11-Sec.34



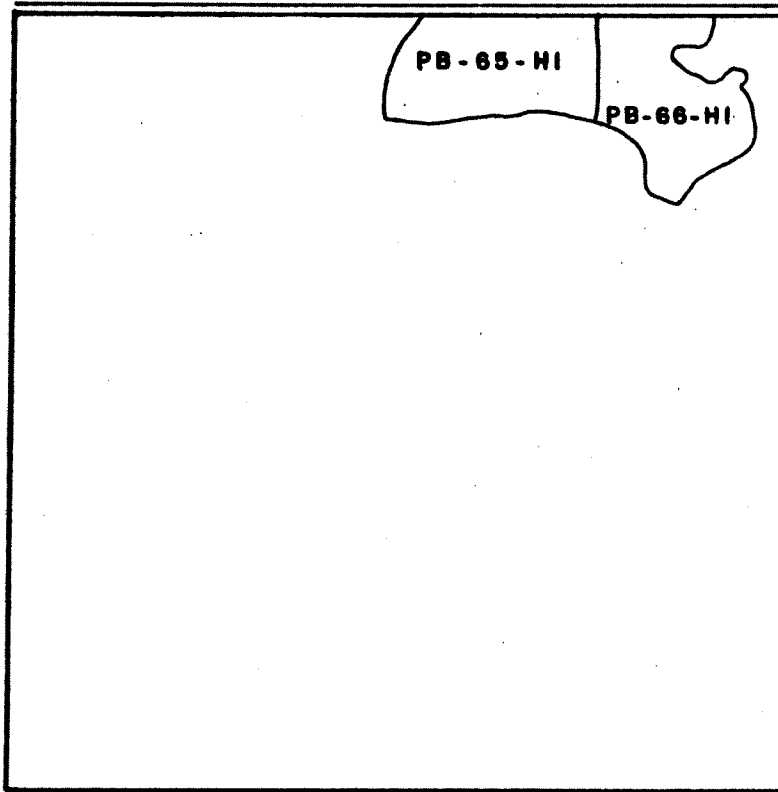
Scale: 1 inch = 20 chains

+ MS-213



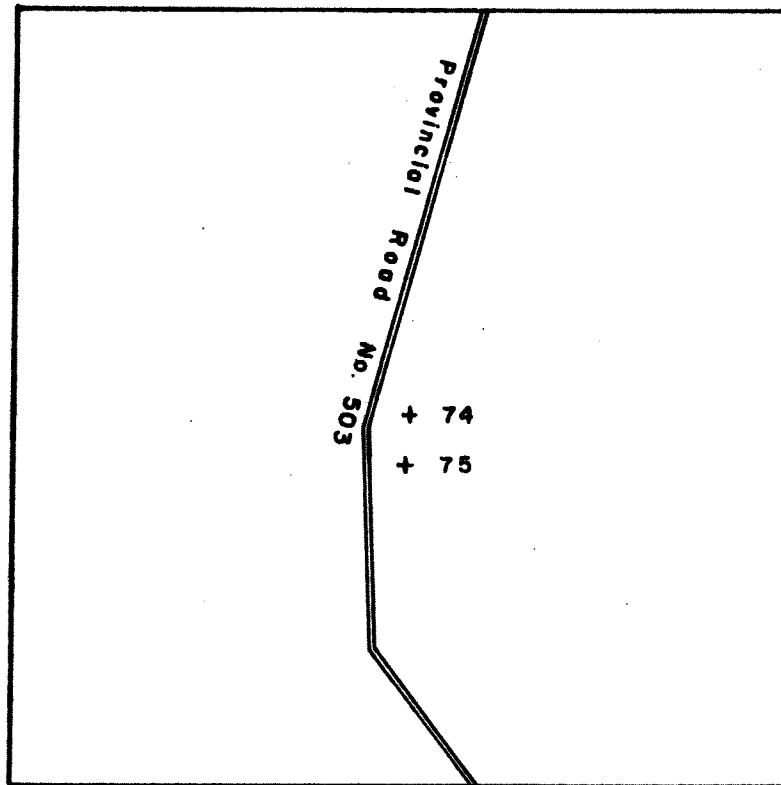
+ 109

Scale: 1 inch = 20 chains



Scale: 1 inch = 20 chains

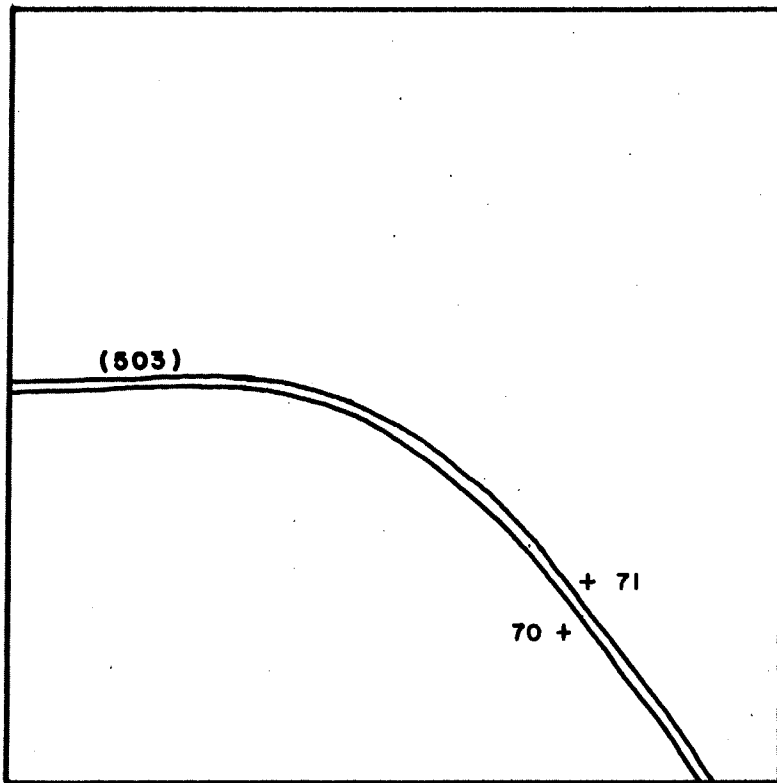
+ MS-213



Scale: 1 inch = 20 chains

7-13-Sec. 18

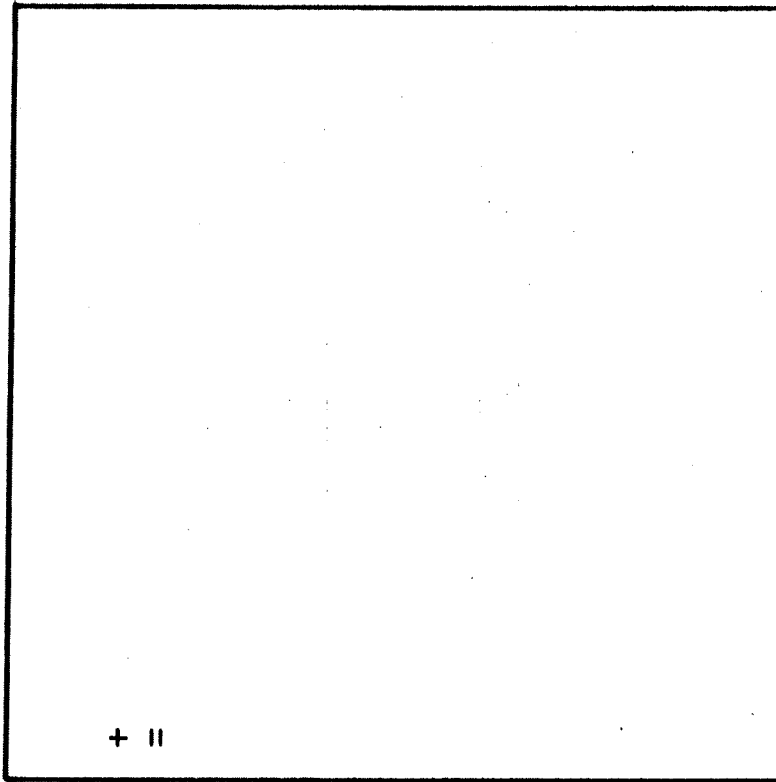
+ MS-213



Scale: 1 inch = 20 chains

7-14-Sec. 15

+ MS-213

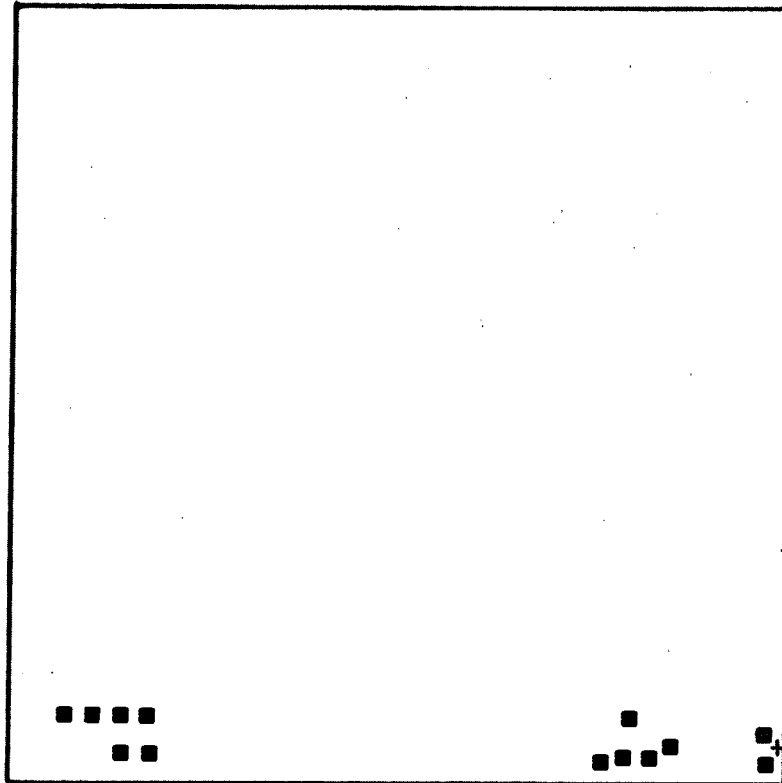


Scale: 1 inch = 20 chains

Twp. 8

+ MS-213

■ MS-152

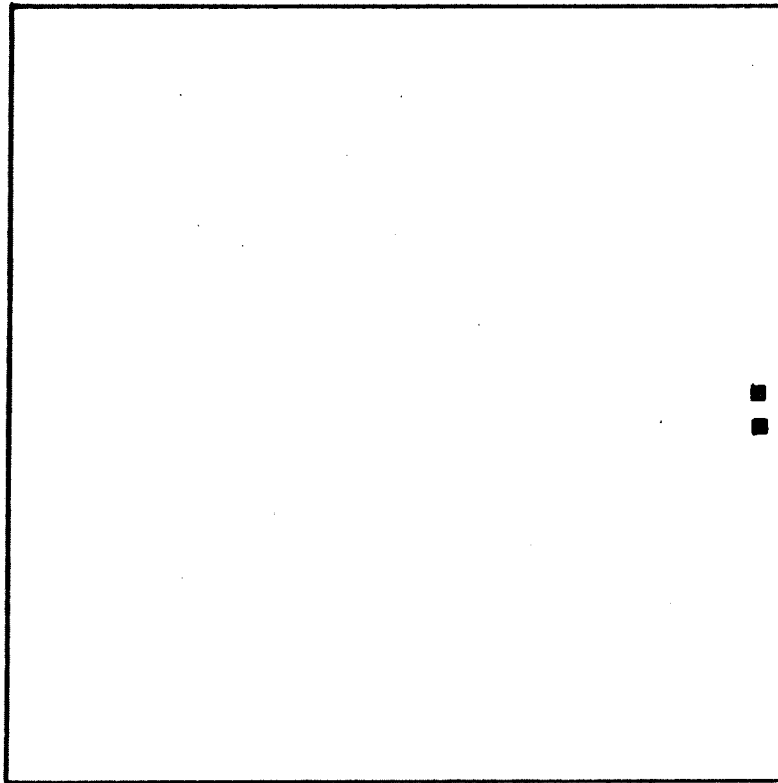


92

Scale: 1 inch = 20 chains



■ MS-152

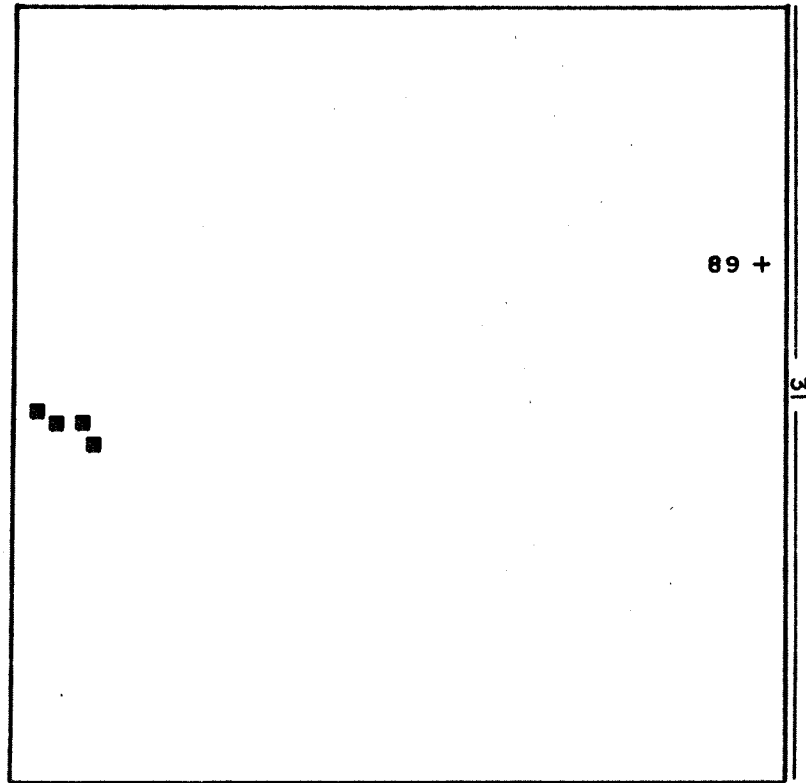


Scale: 1 inch = 20 chains

# 8-10- Sec. 12

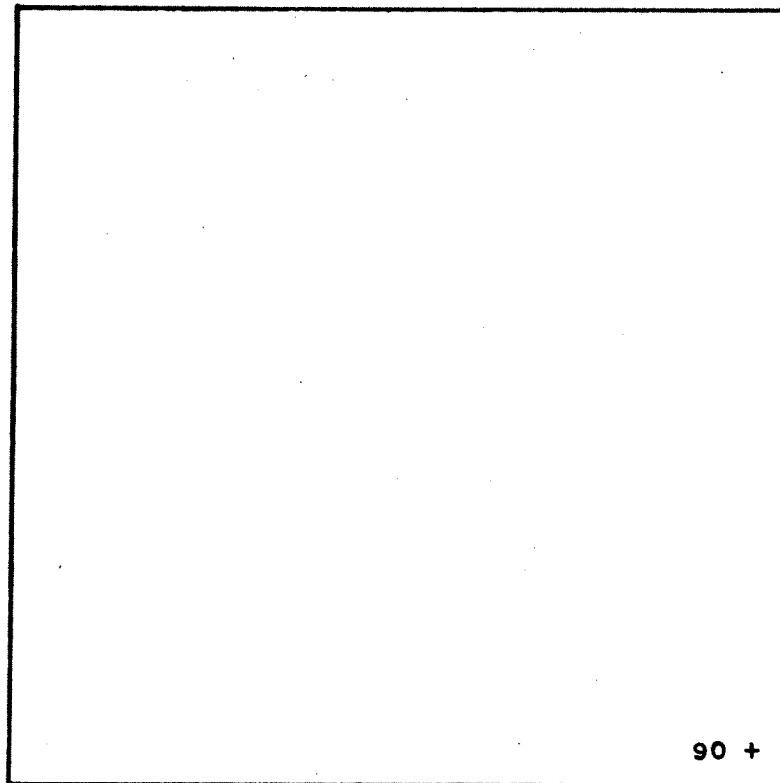
+ MS-213

■ MS-152



Scale: 1 inch = 20 chains

+ MS- 213

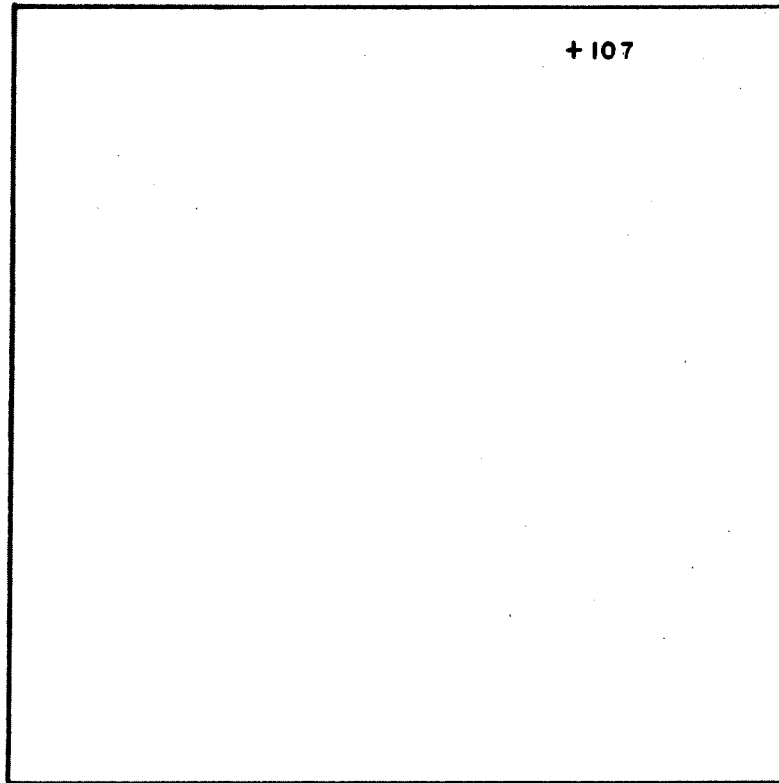


90 +

Scale: 1 inch = 20 chains

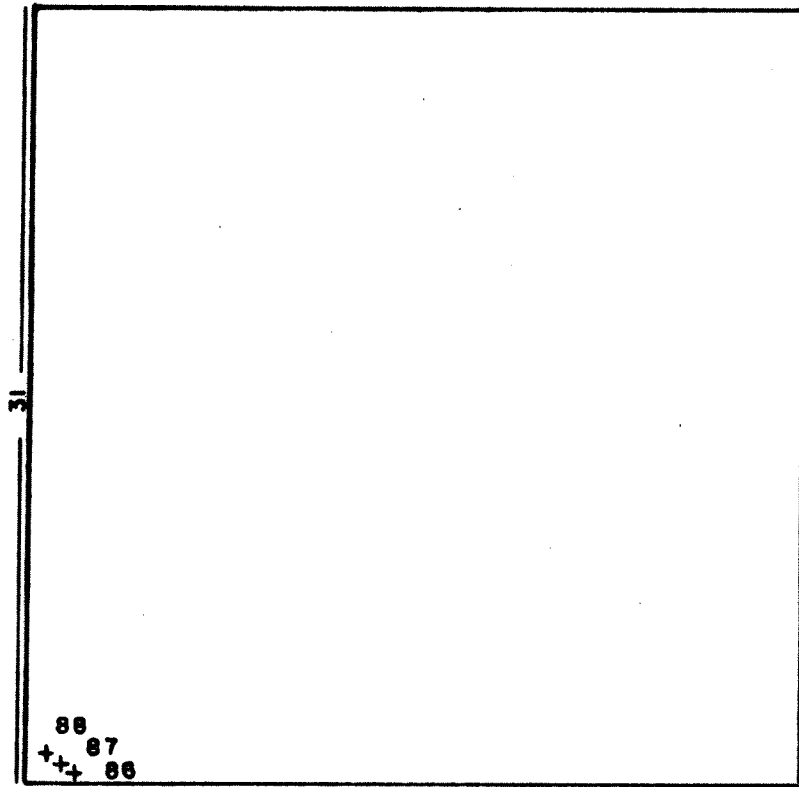
8-11 - Sec. 3

+ MS - 213



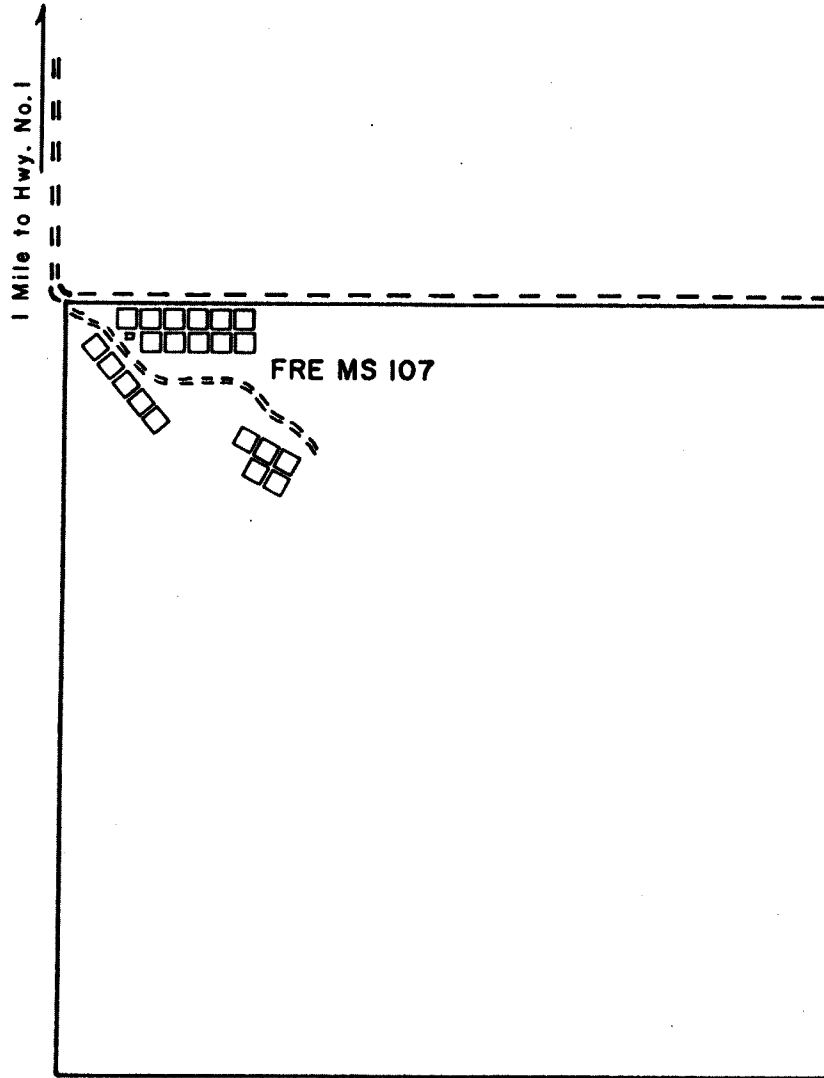
Scale: 1 inch = 20 chains

+ MS-213

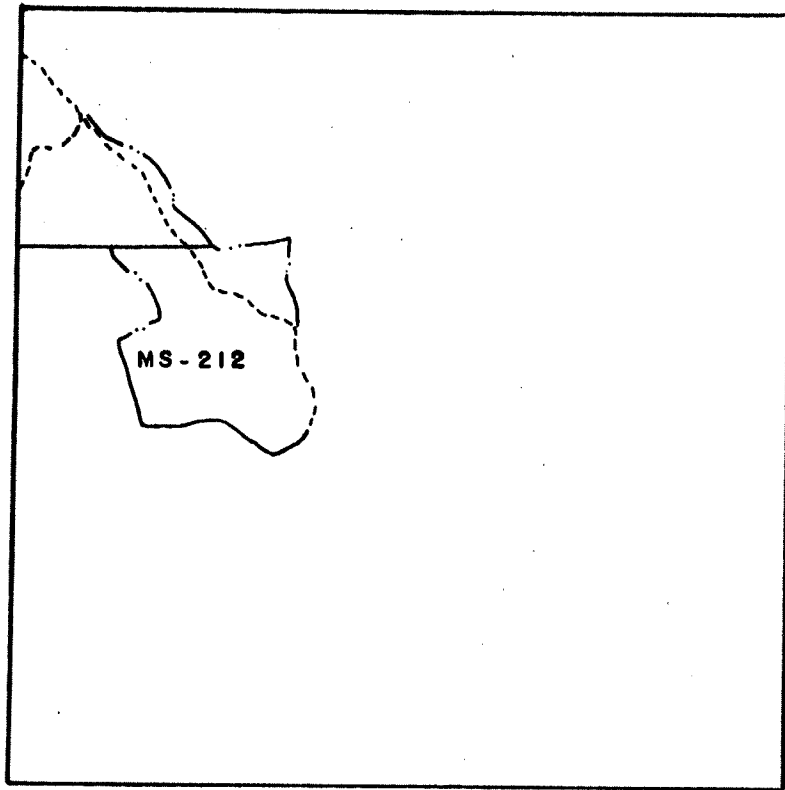


Scale: 1 inch = 20 chains

# 8-11 - Sec. 8

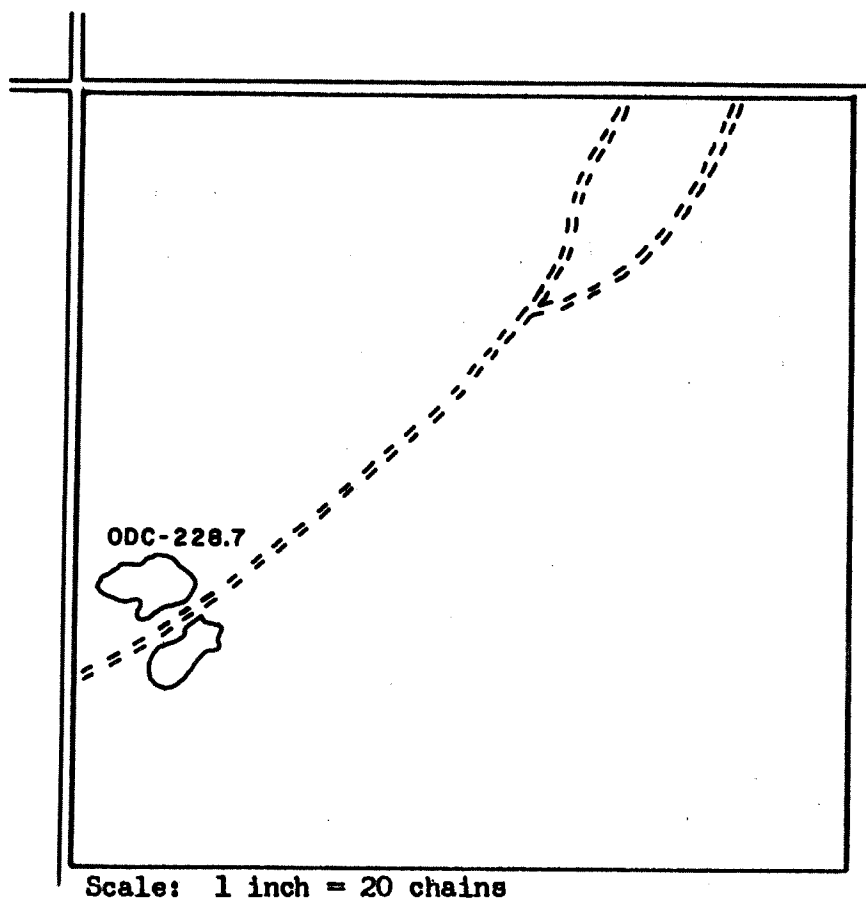


Scale: 1 inch = 20 chains



Scale: 1 inch = 20 chains

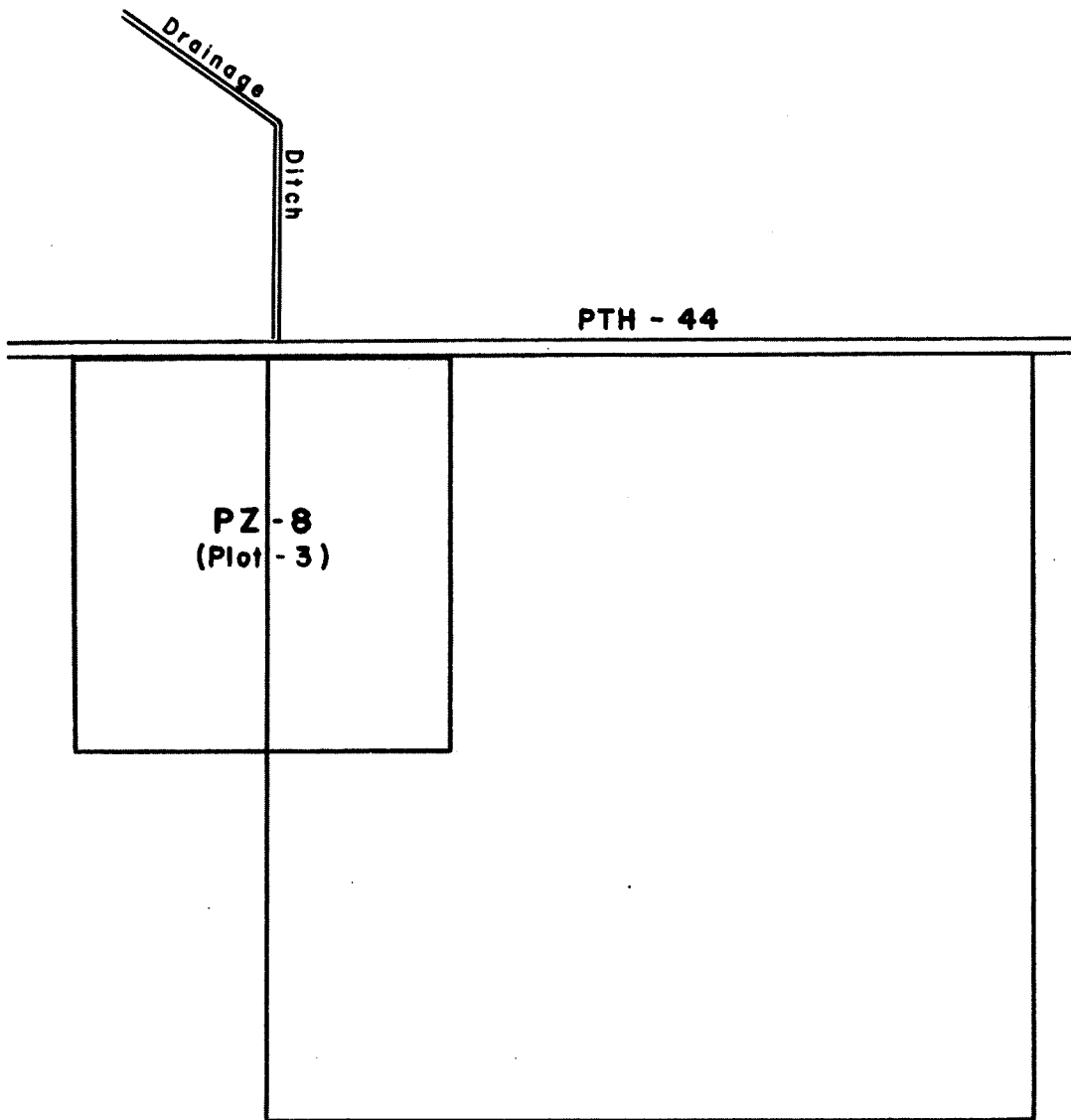
# 8-12- Sec.6





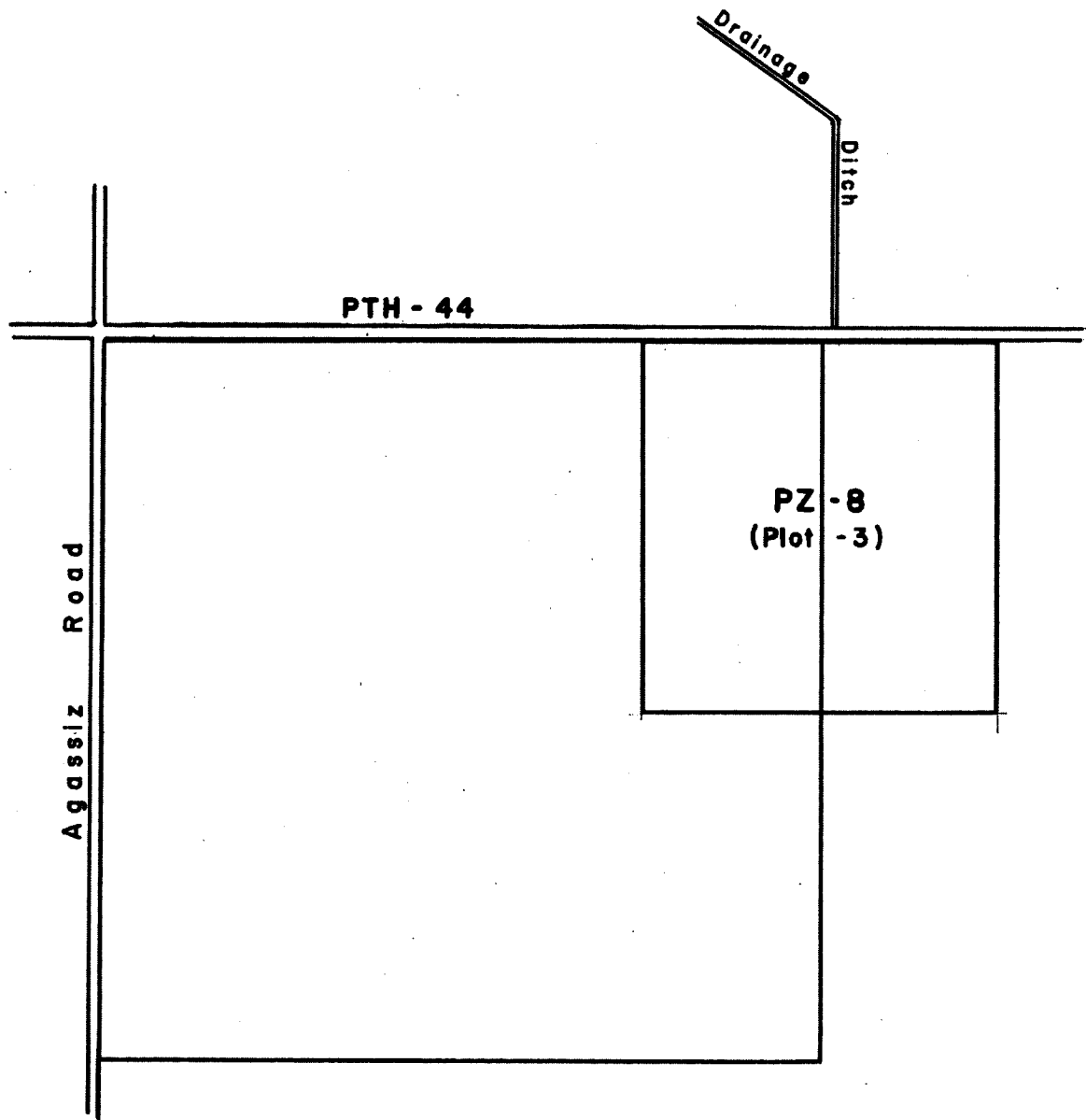
Twp. 12

12 - 9 - Sec. 36, E.P.M.



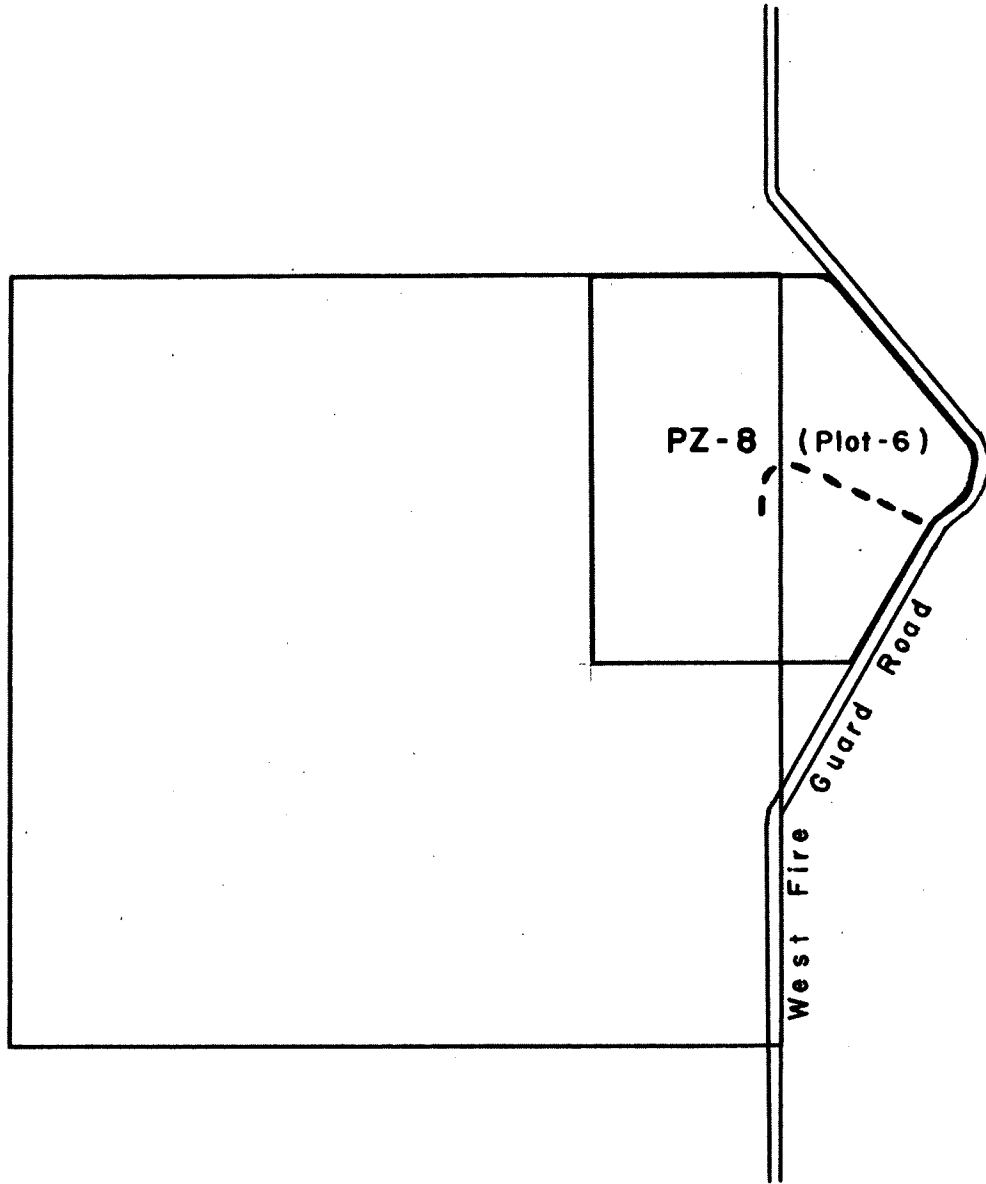
Scale: 1 inch = 20 chains

12 - 10 - Sec. 31, E.P.M.



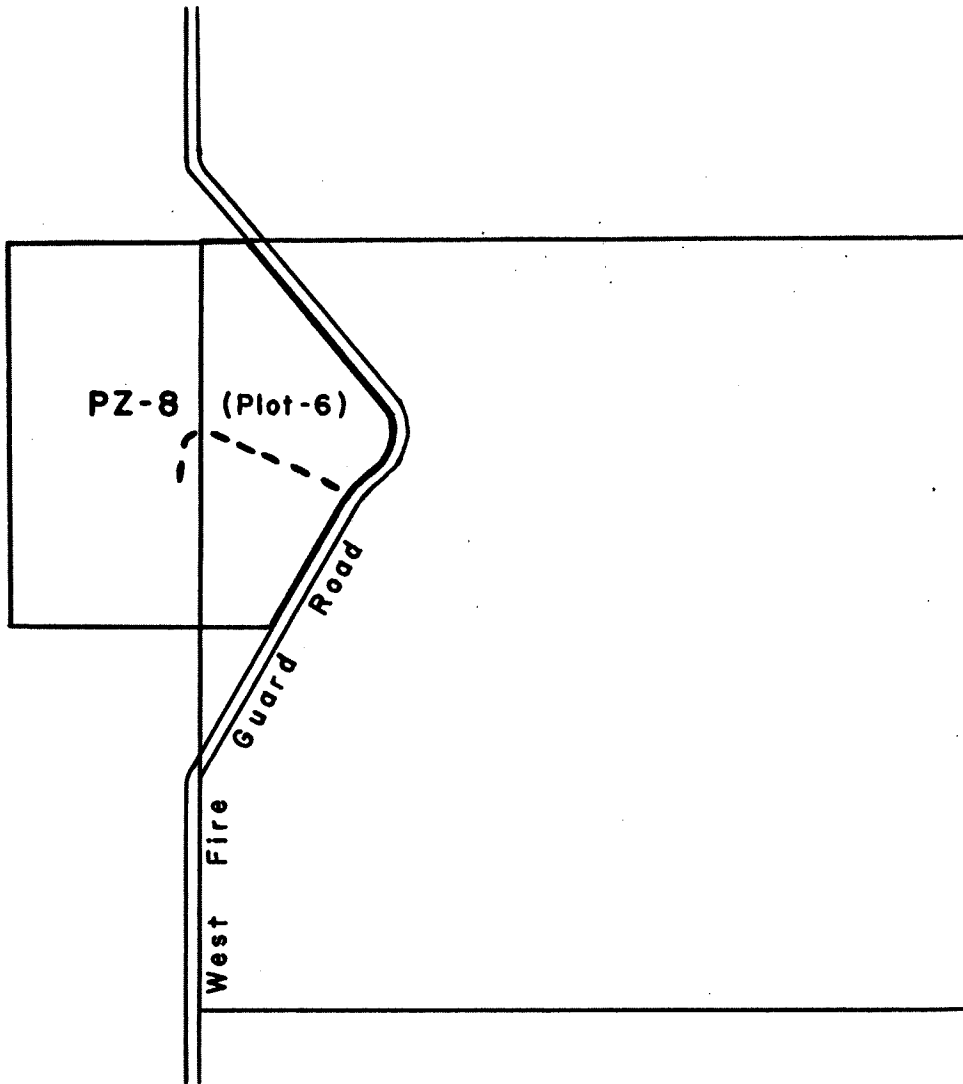
Scale: 1 inch = 20 chains

12 - 12 - Sec. 12, E.P.M.



Scale: 1 inch = 20 chains

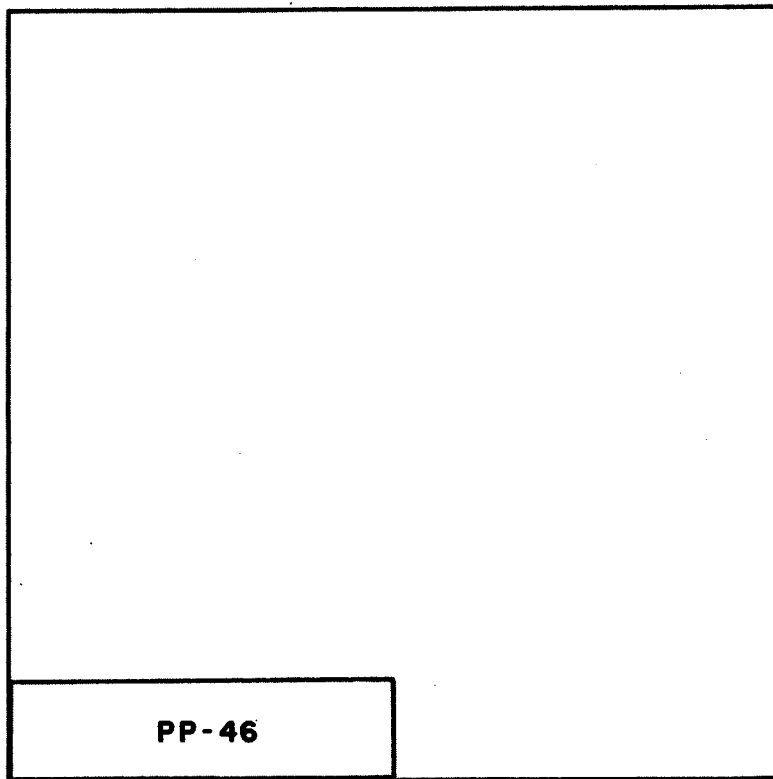
12 - 13 - Sec. 7, E.P.M.



Scale: 1 inch = 20 chains

Twp. 13

13 - 9 - Sec. 1, E.P.M.



Scale: 1 inch = 20 chains

# Projects



Project No.: MS-21  
 Title: Rate of growth survey  
 Investigator: I.E. Bella  
 Section: Silviculture (Head, F.B. Armitage)

Location:

Township	Range	Section	Plot Nos. (all 1/10 acre)
5	9	3	15
		10	17
		13	20
		23	25
		24	28
		25	29, 30
5	10	6	46
		17	50
		19	42
		20	52
		30	41
		31	55
6	10	3	91
		4	84
		6	86, 87, 88
		10	96
		11	95
		21	105, 106
		26	108

Project No.: MS-151  
 Title: Growth and yield of jack pine, Sandilands  
 Investigator: I.E. Bella  
 Section: Silviculture (Head, F.B. Armitage)

Location:

Township	Range	Section	Plot Nos. (all 1/5 acre)
7	10	25	283, 286-293
		27	207, 208, 213, 215-227
		34	206
		36	258, 260, 261, 265
7	11	30	305-307, 320, 321
		33	322-326

Project No.: MS-152  
 Title: Growth and yield of black spruce  
 Investigator: I.E. Bella  
 Section: Silviculture (Head, F.B. Armitage)

Location:

Township	Range	Section	Plot Nos. (all 1/5 acre)
7	10	27	174, 177, 224-227, 236-240
		34	173, 175, 176, 178, 179, 180, 182, 220-223, 228
		36	192-197, 199, 200, 201, 203, 205, 206, 212-214
8	10	1	162, 166, 168-171, 202, 204, 207-211
		3	181, 183
		12	185, 188-190

Project No.: MS\_154  
Title: Multiple thinning in jack pine  
Investigator: I.E. Bella  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section
7	10	21

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Project No.: MS-179  
Title: Releasing red pine  
Investigator: R.C. Dobbs  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section	Plot Nos.
1	12	22	3, 4

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Project No: MS-187  
Title: White spruce provenance experiment  
Investigator: K.J. Roller  
Section: Tree improvement (Head, F.B. Armitage)

Location:

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Township	Range	Section
2	12	14

---

Project No.: MS-189  
Title: Merchantable thinning in jack pine stands  
Investigator: I.E. Bella  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section
1	12	26 35 36
2	12	1 2

---

Project No.: MS-207  
Title: A study of jack pine seedfall  
Investigator: H.P. Sims  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section	Plot Nos.
1	12	12	20 yr. - dense
		14	60 yr. - open
		22	60 yr. - dense
		24	40 yr. - open
		25	20 yr. - open
			40 yr. - dense

---



Project No.: MS-212  
Title: Clear cutting and clear cutting in strips, seedbed preparation, and scattering slash in jack pine stands to secure jack pine regeneration.  
Investigator: R.C. Dobbs  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section	Plot Nos.
1	13	25	18, 21, 26, 33
2	11	7	27, 28, 34, 35
4	10	31	36, 37
8	11	9	40, 41

---

Project No.: MS-213  
 Title: Ecological classification of the Rainy River  
 Forest Section  
 Investigator: E.T. Oswald  
 Section: Land Classification (Head, S.C. Zoltai)

Location:

Township	Range	Section	Plot Nos. (all 1/5 acre)
4	9	25	18 (26)*
		31	20 (27)
		15	51 (25)
		3	96 (23)
		9	53 (24)
5	9	27	103 (29)
		5	22 (28)
7	10	19	29 (31), 30 (32), 106 (30)
		25	1 (2), 2 (3), ? (4)
		36	? (1), 85 (6), 91 (5),
			93 (7)
		11	8 (14), 9 (15)
		12	109 (19)
		29	74 (18), 75 (17)
		13	70 (20), 71 (21)
		14	11 (22)
	8	10	1
12			89 (12)
13			90 (13)
11		3	107 (16)
		6	86 (11), 87 (10), 88 (9)

\* Numbers in parentheses represent water table sampling stations.

Project No.: MS-223  
Title: A comparison of Arasan-endrin formulations on the  
germination of conifer seed.  
Investigator: R.C. Dobbs  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section
1	13	8, 9

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Project No.: MS-225  
Title: Development of individual jack pine seedlings on  
burned-over dry sites.  
Investigator: H.P. Sims  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section
7	11	34

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Project No.: MS-235  
Title: Studies of morphology of jack pine cone opening and  
the phenology of seed dispersal and germination.  
Investigator: H.P. Sims  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section
1	13	25
2	12	20, 29

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Project No.: MS-236  
Title: Spaced plantations  
Investigator: I.E. Bella  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section
2	12	14
4	9	8

---

Project No.: MS-243

Title: The ecological effects of prescribed burning in jack pine.

Investigator: H.P. Sims

Section: Silviculture (Head, R.F. Ackerman)

Location:

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Township	Range	Section	Plot Nos.
3	11	25	PB-66-W1
3	12	16	1969 Burn
3	12	17	4650P
3	12	19, 20	PB-66-P3
5	9	3	1969 Burn
5	10	29, 32	PB-64-M1
7	11	5	PB-65-D1

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Project No.: MS-245  
Title: The use of prescribed burning in jack pine management.  
Investigator: R.C. Dobbs  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section	Plot Nos.
3	11	25	PB-66-W1
5	9	1	PB-65-M1
5	10	29, 32	PB-67-M3
7	11	5	PB-65-D1
7	12	28	PB-65-H1
			PB-66-H1

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Project No.: MS-251  
Title: Germination of jack pine seed and development of  
seedlings on various seedbeds.  
Investigator: R.C. Dobbs  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section	Plot Nos.
2	11	26	PB-66-P2
5	9	3	PB-67-M2

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Project No: MS-502  
Title: Breeding improved jack pine for the Manitoba-Saskatchewan region. I. First selection cycle.  
Investigator: J.I. Klein  
Section: Tree Improvement (Head, F.B. Armitage)

Location:

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Township	Range	Section
3	9	9
3	9	16
3	9	17

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Project No: MS-506  
Title: Red pine provenance experiment  
Investigator: J.I. Klein  
Section: Tree improvement (Head, F.B. Armitage)

Location:

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Township	Range	Section
1	12	26

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Project No: MS-508  
Title: Scots pine provenance experiment  
Investigator: J.I. Klein  
Section: Tree improvement (Head, F.B. Armitage)

Location:

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Township	Range	Section
1	12	27

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MS-510

Project No: MS-510  
Title: Poplar and willow clone progeny test.  
Investigator: K.J. Roller  
Section: Tree Improvement (Head, F.B. Armitage)

Location:

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Township	Range	Section
1	12	28

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Project No.: PZ-8

Title: Larch sawfly eco-system measurement.

Investigator: J. A. Drouin and W. J. Turnock.

Section: Entomology (Head, W. J. Turnock)

Location:

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Township	Range	Section	Plot Nos.
12	9	36	3
12	10	31	3
12	12	12	6
12	13	7	6

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Project No.: PP-46

Title: Decay of aspen.

Investigator: R. E. Wall.

Section: Pathology (Head, R. D. Whitney)

Location:

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Township	Range	Section
13	9	1

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Project No.: O.D.C. 228.7  
Title: Jack pine stand development studies.  
Investigator: R.F. DeBoo  
Section: Entomology (Head, W.J. Turnock)

Location:

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Township	Range	Section
8	12	6

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Project No.: O.D.C. 242  
Title: Mechanical thinning in young jack pine stands with a  
Fleco Drum chopper.  
Investigator: I.E. Bella  
Section: Silviculture (Head, F.B. Armitage)

Location:

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Township	Range	Section	Plot Nos.
2	11	26, 28	11-20
3	12	9	1-10
4	10	14	1-10
7	10	13)	
7	11	18)	1-30
		19)	

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Project No.: D-MS-5

Title: Scarifying cutover jack pine stands with barrels and anchor chains, Manitoba and Saskatchewan.

Investigator: R. Waldron and G. Hennessey

Section: Liaison and Services (Head, R. Waldron)

Location:

Township	Range	Section	Plot Nos.
5	9	22	Blocks 1, 2, 3
5	10	29	Area A-68

Project No.: FRE MS 107

Title: Controlled burning in forest management

Investigator: Z. Chrosciewicz

Section: Program Manager, Forest Protection: (Head, R.W. Reid)

Location:

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Township	Range	Section
7	11	34
8	11	8

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