



STATE OF MONTANA
STATE ENGINEERS OFFICE
Water Resources Survey

Code No. 3B

County Big Horn

T. 23 R. 33E

Name of Land Owner Argo Oil Co. of Delaware Address

Name of Operator McDanel, Russell Address Lodge Grass, Mont.

Part A**TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM
A DITCH COMPANY OR IRRIGATION DISTRICT**

1. Water is delivered by: Matton Ditch
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 2 Shares you hold
3. If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A and Part B.

Part B**TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM
or those who have a private water right under a Ditch Company**

4. In what year was this land first irrigated? Date
5. Give the name of the original appropriator (first user):
6. Give the date appropriated Amount filed on: Miners Inches C. F. S.
7. State the total number of acres irrigated under this system:
8. Give the point of diversion: $\frac{1}{4}$ $\frac{1}{4}$ Section Township Range

Part C**TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B**

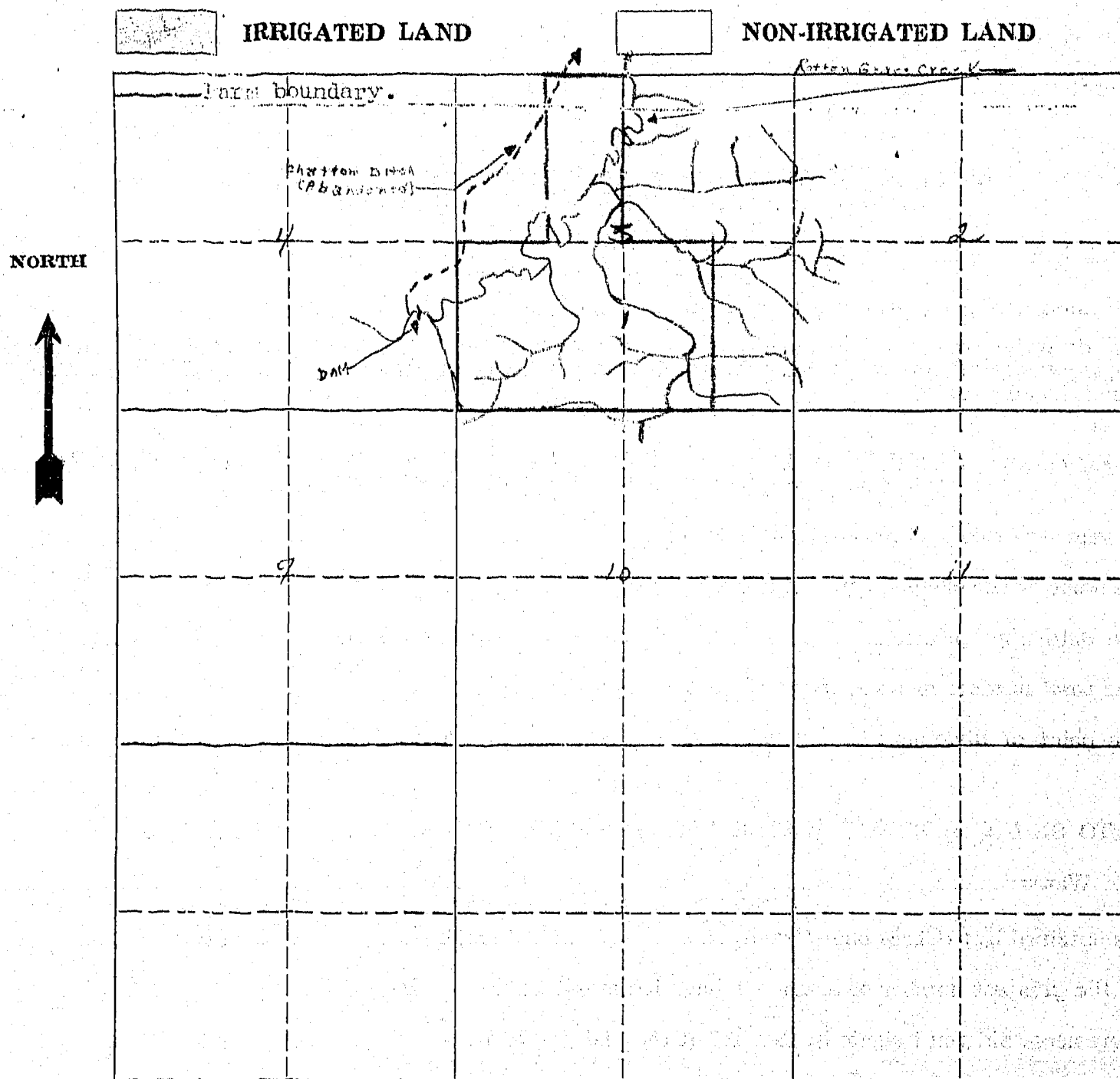
9. Source of Water: Katterhorne Creek
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping ☐ Other ☐
11. What is the greatest number of acres you have irrigated? Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 2
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 8 This land is under what ditch?
14. How many acres of seeped land do you have which could be drained and put into production?
15. What is the condition of your irrigation system?
16. Is your water supply adequate? Yes ☐ No ☐ Explain
17. REMARKS: Not irrigated

OVER

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm E 1/4 NW 1/4 SW 1/4 W 1/4 SE 1/4 Sec. 3 6S - 35E.



19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map.

19A. Ditch: Chattam Ditch Acres: 0

Ditch: _____ Acres: _____

Information supplied by:

Name Sam Pauls Address _____ Date Sept 7, 46

REMARKS: No Irrigation

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

February 14, 1946

Mr. Russell McDanel
Lodge Grass, Montana

Dear Mr. McDanel:

Appropriation:

According to our records the following notice of appropriation was filed on
and covers your land.

On June 15, 1908, Martha Cooper, Chatham minor children, Joseph, Edward, Henry,
Rachael, Luther, and John, filed for 500 miners inches from Rotten Grass Creek,
recorded in Miscellaneous Records, Book A, Page 482, Big Horn County. (209)

Is this appropriation now in use? If it is not, mark it "No", and if it is,
mark it "Yes".

March 4, 1946

Mr. Russell McDanel
Lodge Grass, Montana

Dear Mr. McDanel:

On February 14, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Big Horn County.

To date we have not heard from you. With the vast water development program now being planned on the Big Horn River by Federal Agencies, it is essential that we have this information in order to show the extent of our water use and our water rights in the Big Horn Basin in Montana. This information is necessary and vital if we are to protect our present water users and the rights they have against future irrigation, navigation, power, and flood control enterprises in this area. We are asking you for this information because we feel it is the democratic way. We also feel that you are more qualified to give us this information about your irrigated land than anyone else because it is part of your business. It may be that you were busy with your farm work, or some unforeseen thing happened at the time our first letter was received and you put it aside to be answered at some other time and have forgotten all about it. All information received by us is strictly confidential, and is only used to record and tabulate the water use in the Big Horn area.

Water is as necessary to the farmer as the soil in which he plants. Without it no crops will grow - no living thing can survive. It is your water that we are trying to protect so that you will have plenty now and in the future. We must keep Montana's water in Montana. The only way we can do this is by having the support of each and every water user so that we have 100% representation of all water users. Remember - "United we stand, divided we fall."

In order to facilitate this work, a branch office of the State Engineer has been established in Billings and is located in the Roosevelt School Building on Twenty-third Street and Fourth Avenue North. Any time you are in Billings, we will appreciate your calling on us.

Hoping to hear from you in the very near future, I am

Very truly yours,

Gerald J. Cravetz
Ass't State Engineer

GJO:pw

P.S. If you cannot supply us with the information requested, it may be that you can tell us of someone who can.

March 25, 1946

Mr. Russell McDanel
Lodge Grass, Montana

Dear Mr. McDanel:

On February 14, 1946 we sent you a letter asking for certain information pertaining to your irrigated land in Big Horn County. On March 4, 1946 we sent you another letter asking you to submit the information we had requested to us as soon as possible. To date we have not heard from you regarding this matter.

"It is hereby declared to be a policy of the state and necessary for the welfare of the state and its citizens, that the waters of this state, and especially interstate streams arising out of this state, be investigated. The State Engineer shall, either before or after the bringing of such actions (to adjudicate the waters of any stream and its tributaries in any county traversed by said stream), upon the direction of the State Water Conservation Board, or upon the directions of the court, do all things, make all surveys, and perform all services required by said board in the securing of all necessary information and make the same available to said board or to others who may be interested therein, including the courts of this state."

In order to protect the water rights of the water users in this state, it is mandatory that the State Engineer have the information that we have asked you to submit to this office. If you have sold the piece of land about which we wrote you, will you please give us the name and address of the new owner.

We expect to hear from you in the very near future.

Very truly yours,

Gerald J. Oravetz
Ass't State Engineer

GJO:rm

STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 706

Owner..... Address.....

AAA Owner Arco Oil Co. of Delaware Address.....

Operator McDaniel, Russell Address Lodge Grass, Mont.

New Owner..... Address.....

New Operator..... Address.....

Assessment Record.....

Assessed Acreage.....

Legal Description of This Farm E²NW⁴, SW⁴, W²SE⁴, Sec. 3 - 850 - 33 E

Total Acres in Farm 320.0

Code Number 3 B

Farm Map

Photo No. 239-15

AAA Contract No. 778

AAA Total Cropland Acreage 60.9

App. No. 209

Decree No.

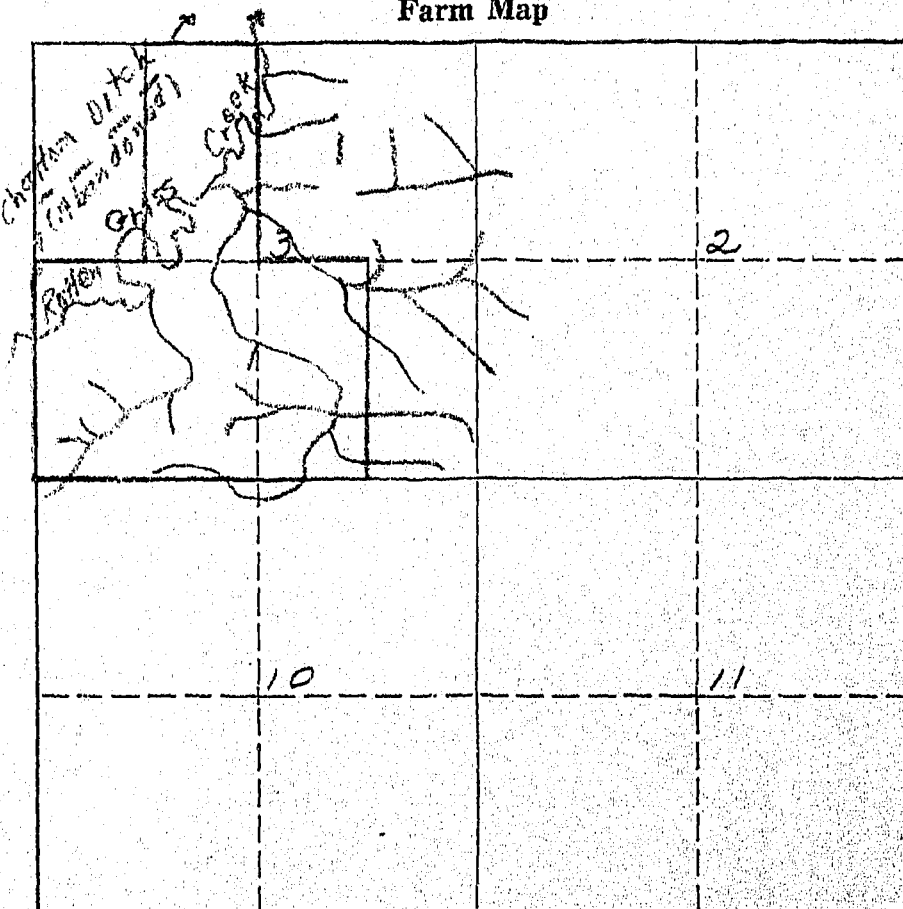
Land is located in

Twp. 8 S Rge. 33 E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 8 S Rge. 33 E

Remarks.....



W.P. 3116
No. _____

A Study of Montana's Water Resources

Form WR-4

Record of a Farm under A.A.A. Program Having Irrigated Land

A.A.A. Contract No. 778 County Big Horn Twp. 8 South Rng. 33 East

Name of Owner Argo Oil Co. & McDaniel Address Lodge Grass Mont

Name of Operator McDaniel, Russell Address " " "

Total Number of Acres in Farm 320 Number of Acres Irrigated in 1940 51 ^{not specifi}
_{dy on in.}

Outline on the plat below in red pencil the boundaries of the farm unit.
If possible, show in blue pencil the location of the irrigated land. The
section number (s) should be clearly indicated. Obtain the legal descrip-
tion from county ownership records and correct boundaries if necessary.

Legal Description E²NW⁴, SW⁴, W²SE⁴, 3-8S-33

Possibly some irrigated land. No record of any in A.A.A.

Parse Plan

STATE ENGINEERS OFFICE
Water Resources Survey

Notice of Appropriation

209

1. County Big Horn Book A Page 422 Record Misc
2. Name of Appropriator Martha C. Cooper Address _____
3. Date Appropriated 6-7-96 Date Filed 6-15-98
- Amount Appropriated, Miners Inches 500, Cubic Feet per second _____
4. Name of Stream Rotten Grass Tributary _____ Basin _____
5. Point of Diversion 600 ft. SW from NE corner of SESE¹ of

Sec. 4 Twp. 8 S Rge. 33 E Bank of Stream _____

6. Purpose Irrigation
7. Description of System Canal 36" x 48", dam 5 ft. high

8. Land Description of Intended Place of Use N²SW¹ Acc 3 8S-33E
S² " 27 7S-33E
NE¹, N²SE¹, SESE¹ acc 34 " "

9. Remarks (Pertaining to Use, etc.) _____

Decree

10. Case No. _____ Date _____ Amt. Decreed: M. I. _____ C. F. S. _____
11. To Whom Decreed _____ Address _____
12. Name of Ditch _____ Maximum Capacity (C. F. S.) _____
13. Date of Priority _____ Purpose _____
14. Land Description of Place of Use as Decreed _____
15. Remarks (Present Use Status, etc.) _____



559

Form WR-1-10M 8-46

STATE OF MONTANA
STATE ENGINEERS OFFICE
Water Resources Survey

Code No. 3 A

County Big Horn

T. 8 S. R. 33 E.

Name of Land Owner Anderson, Carl et al Address Lodge Grass, Montana

Name of Operator Address

Part A

TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM
A DITCH COMPANY OR IRRIGATION DISTRICT

1. Water is delivered by: Pease Ditch & Chatham Ditch
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 0 Shares you hold
3. If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A and Part B.

Part B

TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM
or those who have a private water right under a Ditch Company

4. In what year was this land first irrigated? Date Don't know
5. Give the name of the original appropriator (first user): Martha Cooper
6. Give the date appropriated 6/3/1908 Amount filed on: Miners Inches 500 C. F. S.
7. State the total number of acres irrigated under this system: none
8. Give the point of diversion: 1/4 1/4 Section Township Range

Part C

TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B


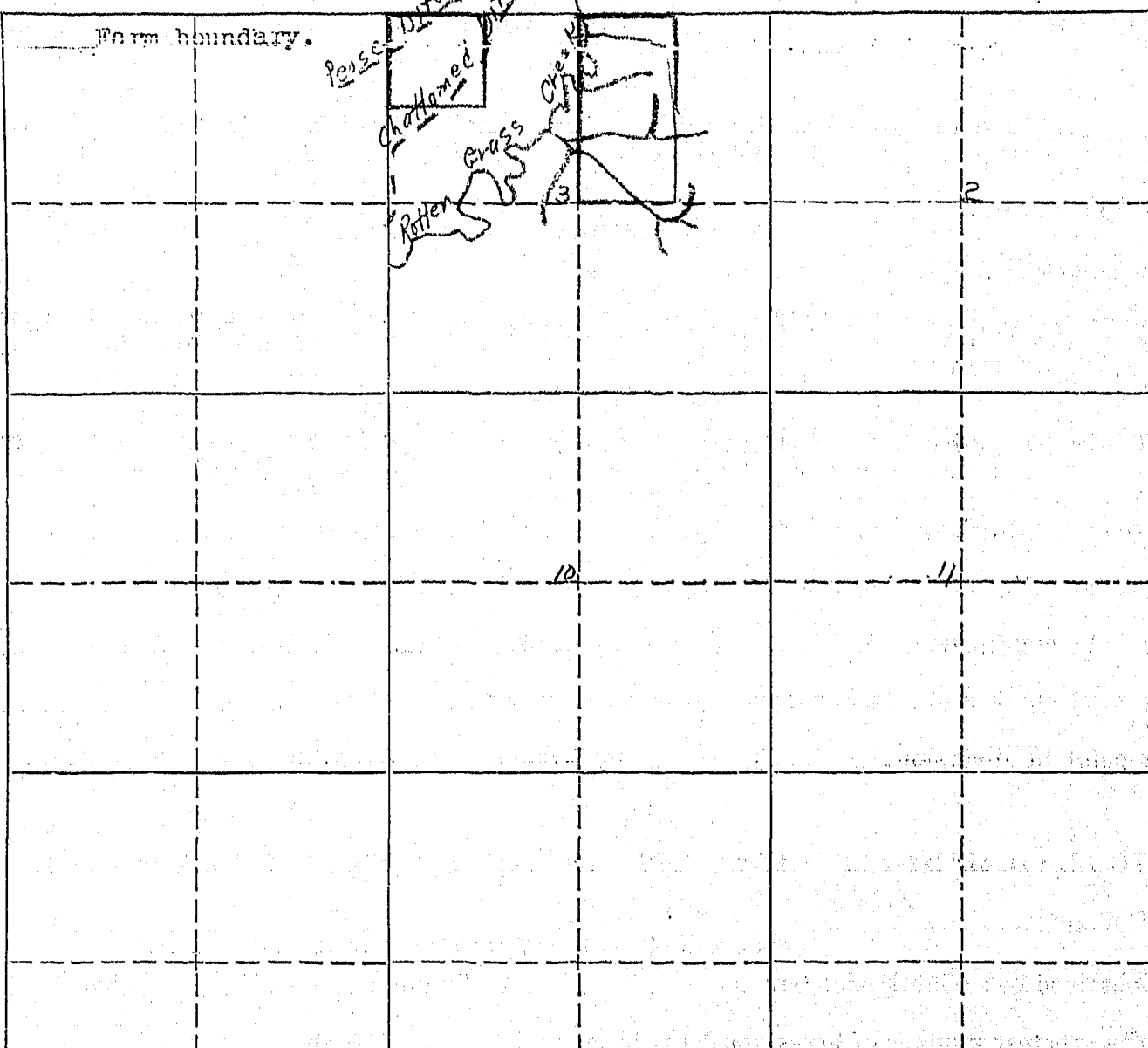
9. Source of Water: Pease grass Cr.
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping Other
11. What is the greatest number of acres you have irrigated? none Date
12. How many acres did you irrigate in 1945? (Crop and pasture) none
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. Don't know This land is under what ditch? Pease & Chatham Ditches
14. How many acres of seeped land do you have which could be drained and put into production? 3 acres
15. What is the condition of your irrigation system? not in use for over 13 yrs
16. Is your water supply adequate? Yes No ☒ Explain on dry years not
17. REMARKS: enough water flows in the cr. to irrigate

OVER

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm W1/4, NW1/4, Sec. 3 - Twp. 8 S., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
NORTH 		
	This map is according to our records. Please change it if it is not correct. That is, if we show more irrigated land than you have, X it out; if we have not enough, draw it in.	

19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map:

19A. Ditch: See other map Acres: _____

Ditch: _____ Acres: _____

Information supplied by:

Name J. T. Anderson Address Ledy Grove, Mont. Date 2/16/46

REMARKS: We have not used the ditch

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 559

Owner Anderson, Carl et al

Address Lodge Grass, Mont.

AAA Owner

Address

Operator

Address

New Owner

Address

New Operator

Address

Assessment Record Lots 2+4, SWNE⁴, Sec. 3 - 8S0-33E

Assessed Acreage 39.99 ✓

Legal Description of This Farm W¹NE⁴ NWNW⁴, Sec. 3 - 8S0-33E

Total Acres in Farm 120.0

Code Number 3A

Photo No. R39-15

AAA Contract No. -

AAA Total Cropland Acreage -

App. No. 2-

Decree No.

Land is located in

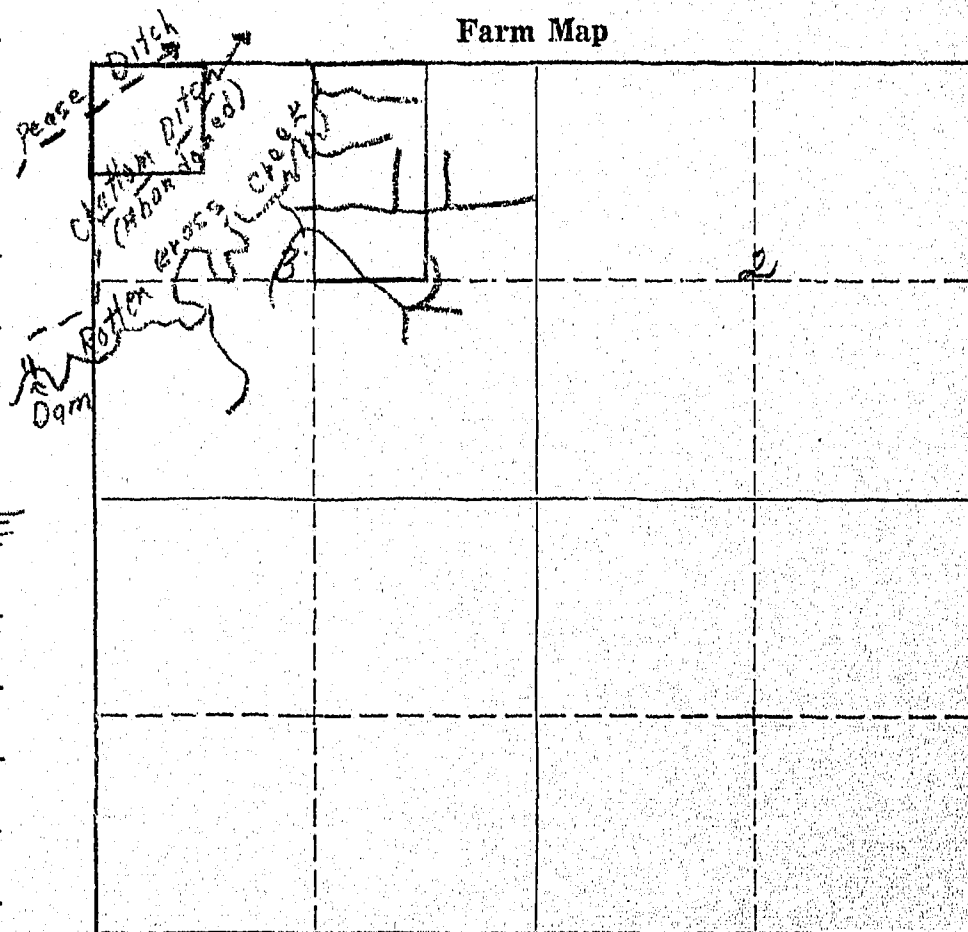
Twp. 8S0 Rge. 33E Twp. 7S0 Rge. 33E

Twp. Rge. Twp. Rge.

Filed in Twp. 7S0 Rge. 33E

Remarks

Farm Map



W.P. 3116
No. _____

A Study of Montana's Water Resources

Form WR-4

Record of a Farm Under A.A.A. Program having Irrigated Land

A.A.A. Contract No. 1404 County Big Horn Twp. 8S Rng. 33E

Name of Owner Anderson, Carl & Henry Address Lodge Grass

Name of Operator Same Address _____

Total Number of Acres in Farm 119.97 Number of Acres Irrigated in 1940 ?

Outline on the plat below in red pencil the boundaries of the farm unit. If possible, show in blue pencil the location of the irrigated land. The section number (s) should be clearly indicated. Obtain the legal description from county ownership records and correct boundaries if necessary.

Legal Description Lots 2, 4, SE 1/4 Sec 3

Same Contract
7S-33E

Same irrigated (Sullivan) cannot ascertain from A.A.A.

4						
	4					
	3			2		
	10					12

39.97
40.01
40
119.97

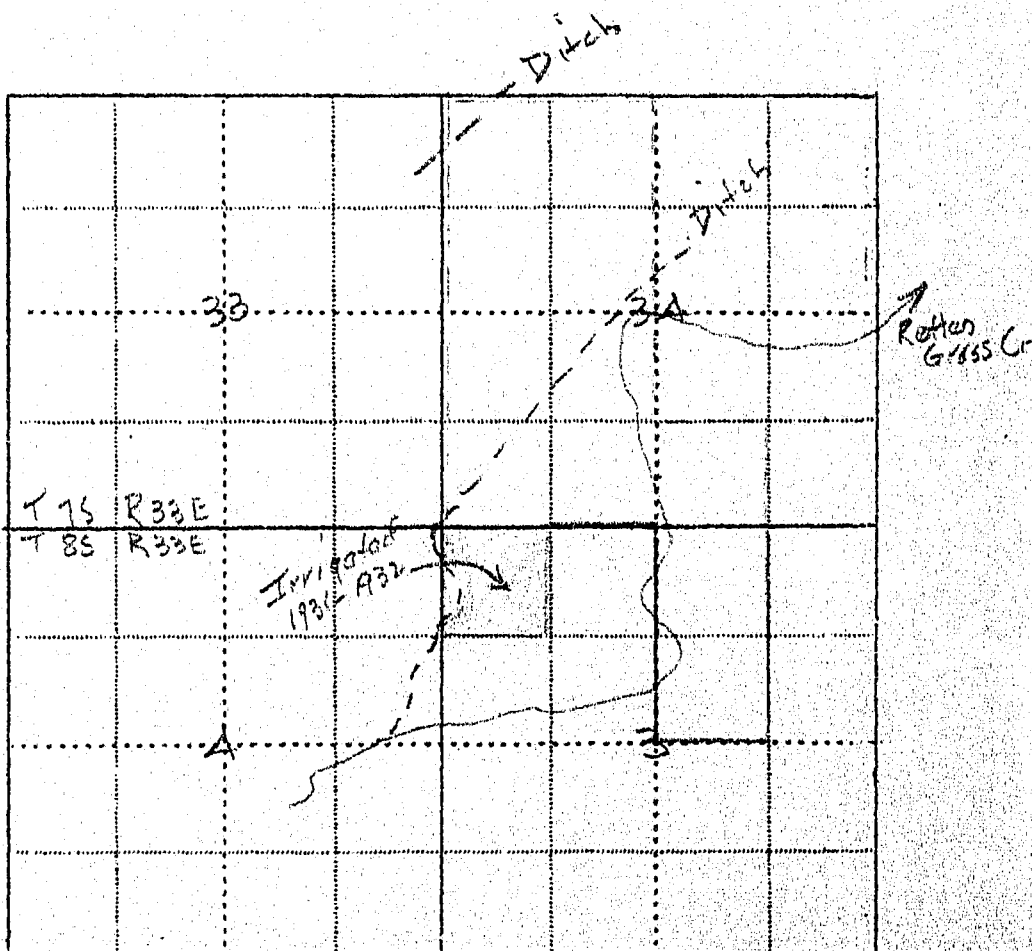
Pease Ditch

A STUDY OF MONTANA'S WATER RESOURCES

- County Big Horn Source of Information Owners
1. Water User Anderson, Carl & Henry Address Lodge Grass, Montana
2. Stream Rotten Grass Tributary to Big Horn Basin
3. Point of Diversion E $\frac{1}{4}$ NE $\frac{1}{4}$ Section A Township 8S Range 33E
4. Description of System Diversion dam & ditch
5. Type of Irrigation Living stream - Low in dry years
6. Original Appropriator Chatham, Martha Address _____
7. First Use: Year 1887? Acres Irrigated ?
8. Maximum Use: Year 1931 Acres Irrigated 40 by John Johnson
9. Present Use: Year 1941 Acres Irrigated 0
10. Last Use: Year _____ Why Abandoned Low water and ?
11. Condition of System Good
12. Land Description Lots 2, 4, Sec 3, T 8S, R 33E

Remarks:

Present owners have
had land since 1936.
Have never irrigated
Plan on irrigating when
water available and when
needed in future.



WITNESS:

[Signature]

Information by Carl & Henry AndersonPlace Hardin 3/11/42

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County San Diego Source of Information Aerial Photos

1. Water User Anderson, Carl & Hank Address Lodge Cross

2. Stream Tributary to Basin

6. Point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section Township Range

4. Description of System

5. Type of Irrigation

6. Original Appropriator	Address

7. First Use: Year Acres Irrigated

8. Maximum Use: Year Acres Irrigated

9. Present Use: Year Acres Irrigated

10. Last Use:	Year	Why Abandoned

11. Condition of System

12. Land Description T 8S, R 33E

Remarks :

A hand-drawn map on a grid. The map shows a coastline on the left side, with a dashed line indicating a boundary or path. Four points are marked with numbers: 1, 2, 3, and 4. Point 1 is located in the lower right quadrant, point 2 is in the upper right quadrant, point 3 is in the upper left quadrant, and point 4 is in the lower left quadrant. The grid is composed of solid and dashed lines.

WITNESS: _____ Information by _____

Place _____



514
STATE OF MONTANA
STATE ENGINEERS OFFICE
Water Resources Survey

Form WR-1-10M 8-45

Code No. 3 C

County Big Horn

T. 8 S. R. 33 E.

Name of Land Owner Blackburn, J. L. Address Hardin, Montana

Name of Operator McDanel, Russell Address Lodge Grass, Montana

Part A

TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM
A DITCH COMPANY OR IRRIGATION DISTRICT

1. Water is delivered by: Peace Ditch
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 0 Shares you hold.
3. If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A and Part B.

Part B

TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM
or those who have a private water right under a Ditch Company

4. In what year was this land first irrigated? Date.
5. Give the name of the original appropriator (first user):
6. Give the date appropriated. Amount filed on: Miners Inches. C. F. S.
7. State the total number of acres irrigated under this system:
8. Give the point of diversion: $\frac{1}{4}$ $\frac{1}{4}$ Section. Township. Range.

Part C

TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B

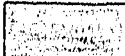

9. Source of Water: Lodge Grass Creek
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping. Other.
11. What is the greatest number of acres you have irrigated? 35 Date.
12. How many acres did you irrigate in 1945? (Crop and pasture) 0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 35 This land is under what ditch? Peace Ditch
14. How many acres of seeped land do you have which could be drained and put into production? 0
15. What is the condition of your irrigation system?
16. Is your water supply adequate? Yes. No. ☒ Explain Not enough water, too
17. REMARKS: Many reasons

OVER

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm SWNW $\frac{1}{4}$, Sec. 3 - Twp. 8 S., Rge. 33 E.

 IRRIGATED LAND		 NON-IRRIGATED LAND	
<p>— Farm boundary —</p>			
<p><i>Handwritten: Chained Ditch (Not in Use) Rotten</i></p>			
<p><i>Handwritten: 4, 3, 7, 10</i></p>			
<p>This map is according to our records. Please change it if it is not correct. That is, if we show more irrigated land than you have, X it out; if we have not enough, draw it in.</p>			

19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map.

19A. Ditch: Pease Ditch Acres: 0

Ditch: _____ Acres: _____

Information supplied by:

Name J. L. Blackburn Address Hardin Date 2-11-46

REMARKS: _____

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

January 28, 1946

Mr. J. L. Blackburn
Hardin, Montana

Dear Mr. Blackburn:

Appropriation:

According to our records the following notice of appropriation was filed on and covers your land.

On June 15, 1908, Martha Cooper, Chatham minor children, Joseph, Edward, Henry, Rachael, Luther, and John filed for 500 miner's inches from RottenGrass Creek and recorded in Miscellaneous Records, Book A, Page 482, Big Horn County. (209)

Is this appropriation now in use? If not, mark it "No", and if it is, mark it "Yes".

STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 514

Owner..... Address.....

AAA Owner Blackburn, John Address Hardin Mont.

Operator McDaniel, Russell Address Lodge Grass, Mont.

New Owner..... Address.....

New Operator..... Address.....

Assessment Record.....

Assessed Acreage.....

Legal Description of This Farm SW 1/4 Sec 3 - 8 Se - 33 E

Total Acres in Farm 40.0

Code Number 3C

Photo No. 239-15

AAA Contract No. 779

AAA Total Cropland Acreage 35.0

App. No. 2

Decree No.

Land is located in

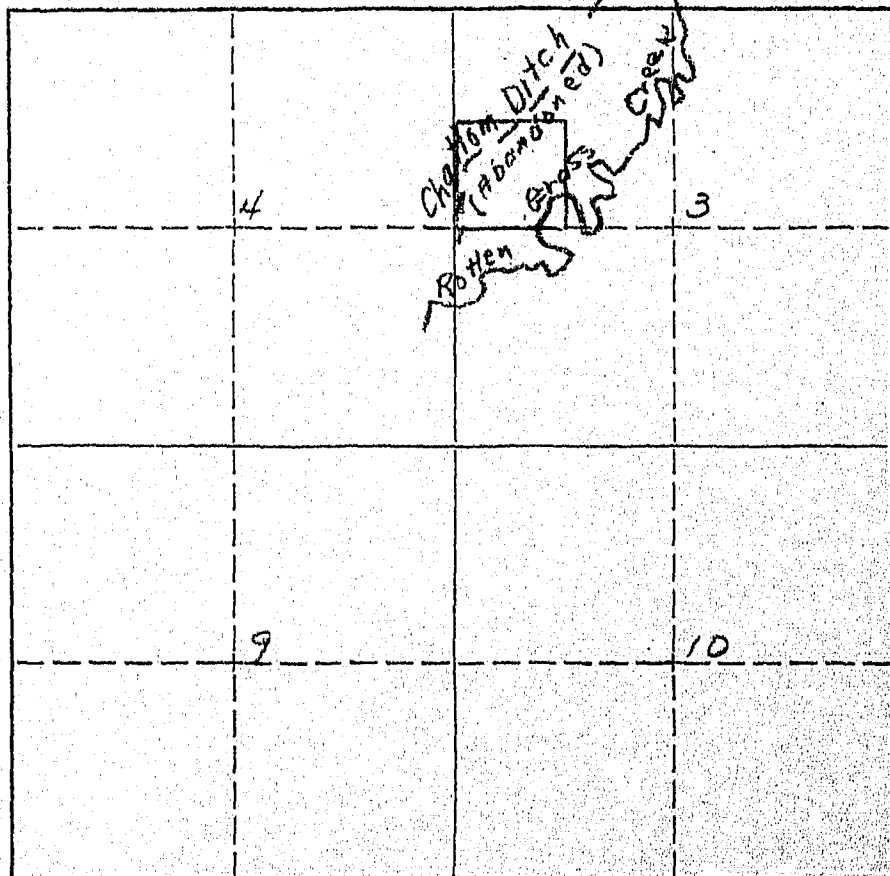
Twp. 8 S. Rge. 33 E Twp. 35 S. Rge. 33 E

Twp. Rge. Twp. Rge.

Filed in Twp. 8 S. Rge. 33 E

Remarks.....

Farm Map



Record of a Farm under A.A.A. Program Having Irrigated Land

A.A.A. Contract No. 179 County Big Horn Twp. 8S Rng. 33E

Name of Owner Blackburn, J.L. Address Hardin

Name of Operator McDaniel Russell Address Lodge Grass

Total Number of Acres in Farm. 10 Number of Acres Irrigated in 1940 35 ^{not spray} _{by using}

Cutline on the plat below in red pencil the boundaries of the farm unit. If possible, show in blue pencil the location of the irrigated land. The section number (s) should be clearly indicated. Obtain the legal description from county ownership records and correct boundaries if necessary.

Legal Description SW 1/4 WA Section 3

Same contract in Sec 33 75 33E

AAA shows no irrigated
Possibly should (Sullivan)

38 cult.

~~W. S. G. H.~~

A-243 753

B-28.1 "

L-20 11

D-35 ✓

Δ	□	3	2	
9		0	1	

Please Print

Township 8 South, Range 34 East

<u>File No.</u>	<u>Name of Owner</u>	<u>Name of Operator</u>	<u>First</u>	<u>Second</u>	<u>Third</u>	<u>Returned</u>
739	Hults, E. F.					3/1/46
915	Linthacum, L. C.		3/4/46	3/25/46	4/10/46	4/29/46
916	Tschirgi, M. H. & Allison, W. J.	Wham, C. W.	Held			
917	U. S. I. D.		Not Sent			

(Form WR-4 - A Study of Montana's Water Resources)

7

CONTENTS OF THIS FOLDER

<u>Code No.</u>	<u>Name of Owner</u>	<u>Name of Operator</u>
7 A, 8 A, 17 A	Linthacum, L. C.	
35 A, 36 A	Tschirgi, M. H. & Allison, W. J.	Wham, C. W.
13 A, 6 A, 7 B, 18 A	Hults, E. F.	
7 C, 18 B	U. S. I. D.	

(Form WR-4 - A Study of Montana's Water Resources)

1

STATE OF MONTANA

State Engineer's Office

WATER RESOURCES SURVEY

Township 8 S Range 34 E County Big Horn

6	5	4	3	2	1
7	8	9	10	11	12
18	17	16	15	14	13
19	20	21	22	23	24
30	29	28	27	26	25
31	32	33	34	35	36

Township _____ Range _____

50

Township

85

Range.

34 E

County

Big Horn

[illegible]



915

STATE OF MONTANA
STATE ENGINEERS OFFICE
Water Resources Survey

Form WR-1-10M 8-45

Code No. 79-8A-17A
County Big Horn
T. 8 So. R. 34 E.

Name of Land Owner L. C. Linthacum Address Lodge Grass, Mont.

Name of Operator Address

Part A

TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM
A DITCH COMPANY OR IRRIGATION DISTRICT

1. Water is delivered by: Linthacum Ditch
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. Shares you hold.
3. If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A and Part B.

Part B

TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM
or those who have a private water right under a Ditch Company

4. In what year was this land first irrigated? Date no appropriation filed.
5. Give the name of the original appropriator (first user):
6. Give the date appropriated. Amount filed on: Miners Inches. C. F. S.
7. State the total number of acres irrigated under this system:
8. Give the point of diversion: 1/4 1/4 Section Township Range

Part C

TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B

9. Source of Water: Lodge Grass Creek
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping ☐ Other ☐
11. What is the greatest number of acres you have irrigated? 160 Date 1940
12. How many acres did you irrigate in 1945? (Crop and pasture) 0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 100
This land is under what ditch? Linthacum Ditch
Dethlefsen
14. How many acres of seeped land do you have which could be drained and put into production?
15. What is the condition of your irrigation system? good
16. Is your water supply adequate? Yes ☒ No ☐ Explain


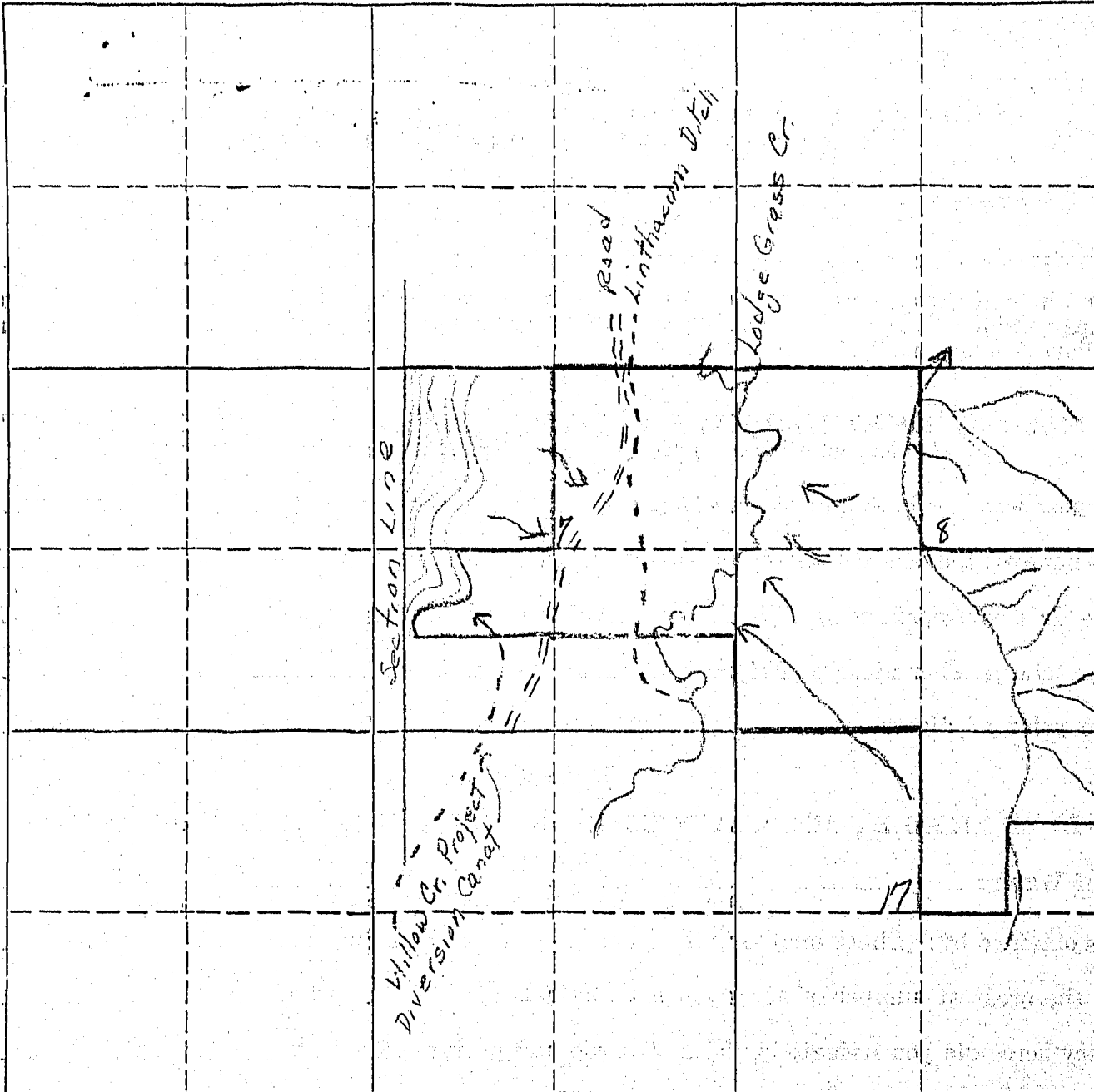
17. REMARKS: Mr. Linthacum has affidavits showing when water was first used and was allotted water for 160 acres by Indian service court. He is on the 160 acres to water master's list. Government helped build ditch when dam cost is allocated he will pay some of it.

OVER

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm Tract 3, NE 1/4, 71° 28', 708', Sec 7-15, 36', Sec 8
71° 28', 708', Sec 17- 8 to 348

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 		

19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map.

19A. Ditch: Lithacum Ditch Acres: 0

Ditch: _____ Acres: _____

Information supplied by:

Name: L. C. Lithacum Address: _____ Date: April 29-46

REMARKS: Original Lithacum ditch is now inoperative
and is not likely to be repaired

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 915

Owner Linthicum, L.C. Address 726 Kearns St., Kingsburg, Calif.

AAA Owner _____ Address _____

Operator Stiles & Roberts Address Lodge Cross Mont.

New Owner _____ Address _____

New Operator _____ Address _____

Assessment Record _____

Assessed Acreage 0

Legal Description of This Farm Frac of Lot 3, N²SW⁴, N²SE⁴, NE⁴, Sec 7 — W², SE⁴, Sec 8
N²NE⁴, SW NE⁴, Sec 17 8S-34E

Total Acres in Farm 91.6

Code Number 7A, 8A, 17A

Photo No. 255-66

AAA Contract No. 709

AAA Total Cropland Acreage 224.6

App. No. 212

Decree No. _____

Land is located in

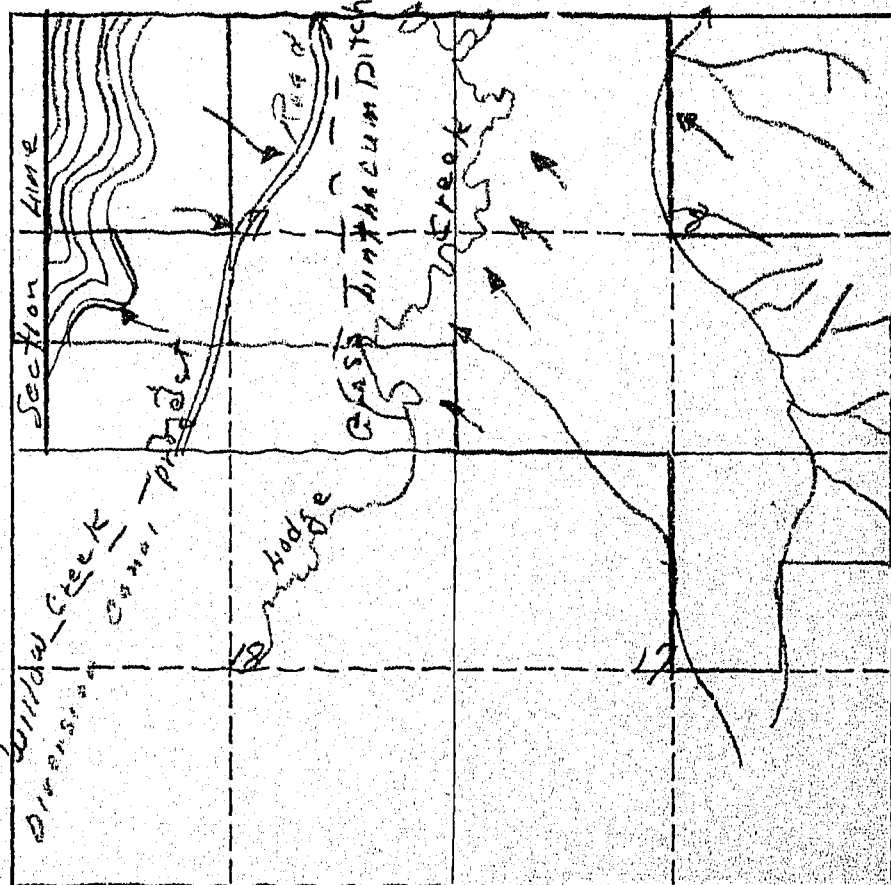
Twp. 8S Rge. 34E Twp. _____ Rge. _____

Twp. _____ Rge. _____ Twp. _____ Rge. _____

Filed in Twp. 8S Rge. 34E

Remarks _____

Farm Map



March 25, 1946

Stiles and Roberts
Lodge Grass, Montana

Gentlemen:

On March 4, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Big Horn County.

To date we have not heard from you. With the vast water development program now being planned on the Big Horn River by Federal Agencies, it is essential that we have this information in order to show the extent of our water use and our water rights in the Big Horn Basin in Montana. This information is necessary and vital if we are to protect our present water users and the rights they have against future irrigation, navigation, power, and flood control enterprises in this area. We are asking you for this information because we feel it is the democratic way. We also feel that you are more qualified to give us this information about your irrigated land than anyone else because it is part of your business. It may be that you were busy with your farm work, or some unforeseen thing happened at the time our first letter was received and you put it aside to be answered at some other time and have forgotten all about it. All information received by us is strictly confidential, and is only used to record and tabulate the water use in the Big Horn area.

Water is as necessary to the farmer as the soil in which he plants. Without it no crops will grow - no living thing can survive. It is your water that we are trying to protect so that you will have plenty now and in the future. We must keep Montana's water in Montana. The only way we can do this is by having the support of each and every water user so that we have 100% representation of all water users. Remember - "United we stand, divided we fall."

In order to facilitate this work, a branch office of the State Engineer has been established in Billings and is located in the Roosevelt School Building on Twenty-third and Fourth Avenue North. Any time you are in Billings, we will appreciate your calling on us.

Hoping to hear from you in the very near future, I am

Very truly yours,

Gerald J. Oravetz
Ass't State Engineer

GJO:rm

P.S. If you cannot supply us with the information requested, it may be that you can tell us of someone who can.

April 10, 1946

Stiles & Roberts
Lodge Grass, Montana

Dear Sirs:

On March 4, 1946, we sent you a letter asking for certain information pertaining to your irrigated land in Big Horn County. On March 25th, we sent you another letter asking you to submit the information we had requested to us as soon as possible. To date we have not heard from you regarding this matter.

"It is hereby declared to be a policy of the state and necessary for the welfare of the state and its citizens, that the waters of this state, and especially inter-state streams arising out of this state, be investigated. The State Engineer shall, either before or after the bringing of such actions (to adjudicate the waters of any stream and its tributaries in any county traversed by said stream), upon the direction of the State Water Conservation Board, or upon the directions of the court, do all things, make all surveys, and perform all services required by said board in the securing of all necessary information and make the same available to said board or others who may be interested therein, including the courts of this state."

In order to protect the water rights of the water users in this state, it is mandatory that the State Engineer have the information that we have asked you to submit to this office. If you have sold the piece of land about which we wrote you, will you please give us the name and address of the new owner.

We expect to hear from you in the very near future.

Very truly yours,

/s/ Gerald J. Oravetz
Ass't State Engineer

GJC:apw

W.P. 3116
No. _____

A Study of Montana's Water Resources

Form WR-4

Record of a Farm under A.A.A. Program Having Irrigated Land

A.A.A. Contract No. 709 County Big Horn Twp. 8 South Rng. 33 East

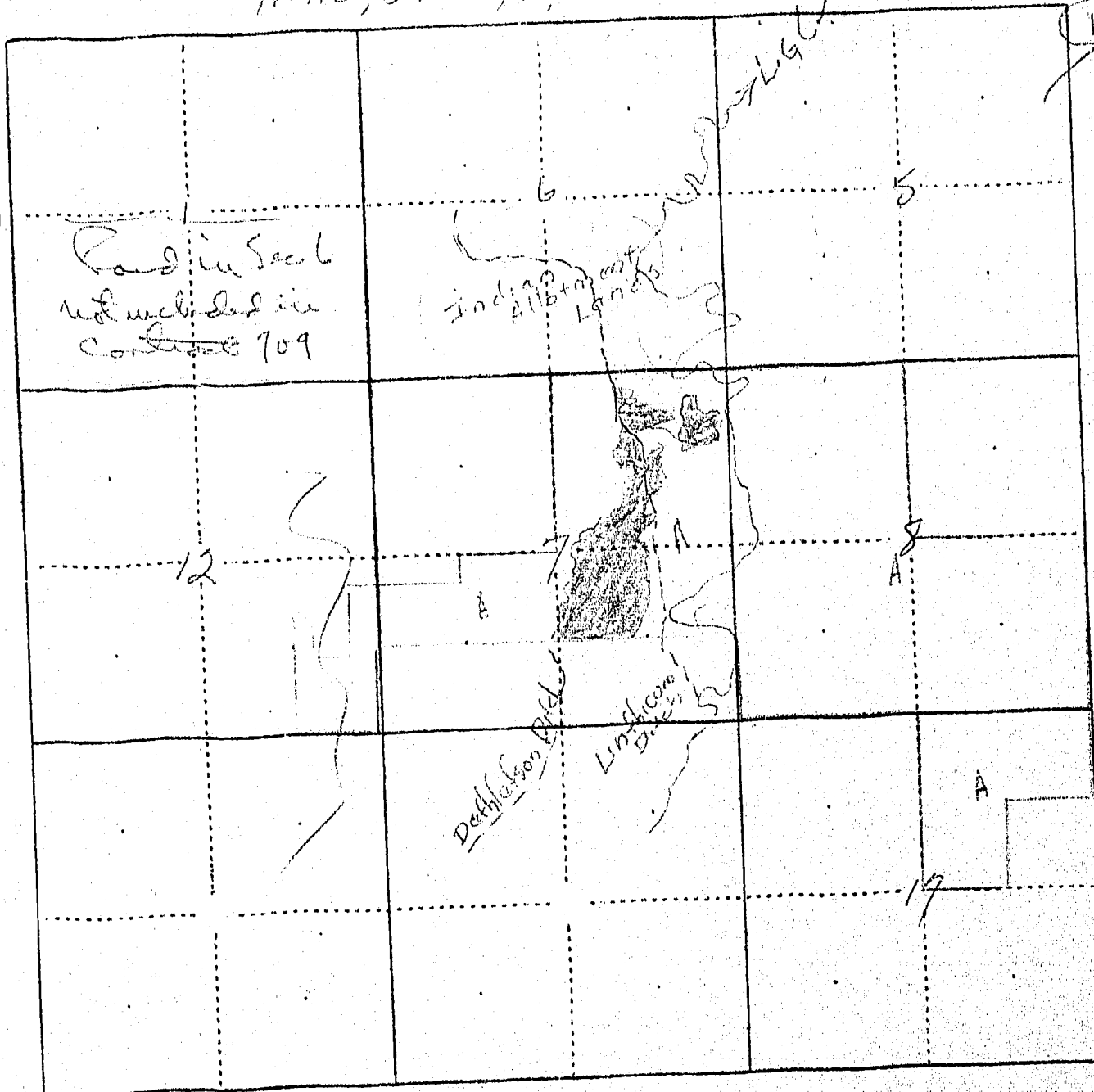
Name of Owner Lindhacum L.C. Address Hardin Mont

Name of Operator Shipley, B.P. Address Lodge Grass Mont.

Total Number of Acres in Farm 945⁹⁰8⁸⁵ Number of Acres Irrigated in 1940 18⁸

Outline on the plat below in red pencil the boundaries of the farm unit.
If possible, show in blue pencil the location of the irrigated land. The
section number (s) should be clearly indicated. Obtain the legal descrip-
tion from county ownership records and correct boundaries if necessary.

Legal Description Part E 2 SE 1/4, 8S 32E, NW 1/4, 34E, Part N 2 SW 7, NW 1/4 S 2, 8
N 1/4 NE 4, SW 1/4 NE 4, 17, 8S 34E.



702 A to
Dedrickson Ditch
8² 1/2 3 4 5 6
08/ 7.01
98/ RR 12
188

Lillis 160

Section 160
Lindhacum Ditch

FORM 514-1

A STUDY OF MONTANA'S WATER RESOURCES

County

Big Horn

Code No.

1. Water User

Linthacum, L. C.

Address

Hardin Mont.

2. Stream

Lodge Grass Creek

Tributary

Little Big Horn

3. Point of Diversion

Section

Township

Range

4. Description of System

5. Original Appropriator

Address

Date

6. First Use: Date

No. Acres Irrigated

at present about 150 acres

Other Use

Date

7. Maximum Use: Date

No. Acres Irrigated

Some time in past, about 200 acres has been irrigated according to old ditches

Other Use

Date

8. Present Use and Condition of System

See back of this sheet

1940 Crops

No. Acres

a

b

c

d

e

f

Wild Hay

100

farm crops

50

TOTAL

150

Other Use (1940)

9. Potential Irrigable Lands Under this System

240 acres.

as of old right if possible.

10. Remarks

Water right claimed as 240 acres.

Statement of B. C. Lillis, (Water master Billings Mont.)

as of Aug. 1940, 160 acres included in his report.

11. The above statements are true and accurate to the best of my knowledge and belief:

L. C. Linthacum

(Signed)

WITNESS

Murt L. Sullivan

(Place)

(Date)

Over.

County San Diego

Source of Information Phelos 24/3/255-66

1. Water User Southwestern C.O.

Address Honolulu

2. Stream

Tributary to Basin

Br. sin

3. Point of Diversion $\frac{1}{2}$ $\frac{1}{2}$

1 Section Township Range

Township Range

Range

4. Description of System

5. Type of Irrigation

6. Original Appropriator

Address

7. First Use: Year _____ Acre _____

Acres Irrigated

8. Maximum Use: Year 1939 Acres

Year 1934 Acres Irrigated About 160 ac. (100 Cult. - 60 idle)

About 160 sec (60 Halliway distal
100 Calhoun distal)

[illegible]

Acres Irrigated

10.	Last Use:	Year	Why
1	1964	1964	1964
2	1964	1964	1964
3	1964	1964	1964
4	1964	1964	1964
5	1964	1964	1964
6	1964	1964	1964
7	1964	1964	1964
8	1964	1964	1964
9	1964	1964	1964
10	1964	1964	1964
11	1964	1964	1964
12	1964	1964	1964
13	1964	1964	1964
14	1964	1964	1964
15	1964	1964	1964
16	1964	1964	1964
17	1964	1964	1964
18	1964	1964	1964
19	1964	1964	1964
20	1964	1964	1964
21	1964	1964	1964
22	1964	1964	1964
23	1964	1964	1964
24	1964	1964	1964
25	1964	1964	1964
26	1964	1964	1964
27	1964	1964	1964
28	1964	1964	1964
29	1964	1964	1964
30	1964	1964	1964
31	1964	1964	1964
32	1964	1964	1964
33	1964	1964	1964
34	1964	1964	1964
35	1964	1964	1964
36	1964	1964	1964
37	1964	1964	1964
38	1964	1964	1964
39	1964	1964	1964
40	1964	1964	1964
41	1964	1964	1964
42	1964	1964	1964
43	1964	1964	1964
44	1964	1964	1964
45	1964	1964	1964
46	1964	1964	1964
47	1964	1964	1964
48	1964	1964	1964
49	1964	1964	1964
50	1964	1964	1964
51	1964	1964	1964
52	1964	1964	1964
53	1964	1964	1964
54	1964	1964	1964
55	1964	1964	1964
56	1964	1964	1964
57	1964	1964	1964
58	1964	1964	1964
59	1964	1964	1964
60	1964	1964	1964
61	1964	1964	1964
62	1964	1964	1964
63	1964	1964	1964
64	1964	1964	1964
65	1964	1964	1964
66	1964	1964	1964
67	1964	1964	1964
68	1964	1964	1964
69	1964	1964	1964
70	1964	1964	1964
71	1964	1964	1964
72	1964	1964	1964
73	1964	1964	1964
74	1964	1964	1964
75	1964	1964	1964
76	1964	1964	1964
77	1964	1964	1964
78	1964	1964	1964
79	1964	1964	1964
80	1964	1964	1964
81	1964	1964	1964
82	1964	1964	1964
83	1964	1964	1964
84	1964	1964	1964
85	1964	1964	1964
86	1964	1964	1964
87	1964	1964	1964
88	1964	1964	1964
89	1964	1964	1964
90	1964	1964	1964

Why Abandoned

11. Condition of System

12. Land Description

T 85, R 315

R 342

Remarks:

This image shows a single page of white paper with horizontal ruling lines. The lines are evenly spaced and run across the width of the page. There is no handwriting or other markings on the paper.

A hand-drawn map on a grid background. The map depicts a central river flowing vertically. To the left of the river, a dashed line outlines a specific area. Labels include "Dahlifson" with an arrow pointing to a tributary on the left, "Linthicum" with an arrow pointing to a tributary on the right, and "H.C." at the top right. There are also some small circles and arrows indicating flow or specific points of interest.

WITNESS: _____

Information by _____

Place _____

STATE ENGINEERS OFFICE
Water Resources Survey

Notice of Appropriation

212

1. County Big Horn Book 1 Page 622 Record Misc
2. Name of Appropriator M. S. A. Address _____
3. Date Appropriated 9-11-19 Date Filed 9-11-19
- Amount Appropriated. Miners Inches 70, Cubic Feet per second _____
4. Name of Stream Lodge Grass Creek Tributary _____ Basin _____
5. Point of Diversion 380 ft. from the SW corner of
- Sec. 6 Twp. 8 S Rge. 34 E Bank of Stream right

6. Purpose Irrigation & domestic
7. Description of System ditch

8. Land Description of Intended Place of Use

sec 6 8 S - 34 E

9. Remarks (Pertaining to Use, etc.)

Decree

10. Case No. _____ Date _____ Amt. Decreed: M. I. _____ C. F. S. _____
11. To Whom Decreed _____ Address _____
12. Name of Ditch _____ Maximum Capacity (C. F. S.) _____
13. Date of Priority _____ Purpose _____
14. Land Description of Place of Use as Decreed _____
15. Remarks (Present Use Status, etc.)



916

Form WR-1-10M 8-45

STATE OF MONTANA
STATE ENGINEERS OFFICE
Water Resources Survey

Code No. 35A - 36A ✓

County Big Horn

T. 8S R. 34E

Name of Land Owner Tschirgi, M.H. & Allison, W.J. Address Wyola, Mont.

Name of Operator Wham, C. W. Address Lodge Grass, Mont.

Part A

TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM
A DITCH COMPANY OR IRRIGATION DISTRICT

1. Water is delivered by: Antelope Land Ditch
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 521.70 Shares you hold.
3. If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A and Part B.

Part B

TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM
or those who have a private water right under a Ditch Company

4. In what year was this land first irrigated? Date
5. Give the name of the original appropriator (first user):
6. Give the date appropriated. Amount filed on: Miners Inches. C. F. S.
7. State the total number of acres irrigated under this system:
8. Give the point of diversion: $\frac{1}{4}$ Section Township Range

Part C

TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B

9. Source of Water: Little Horn River
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping Other
11. What is the greatest number of acres you have irrigated? Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 521.70
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 12.3 This land is under what ditch? None
14. How many acres of seeped land do you have which could be drained and put into production?
15. What is the condition of your irrigation system? Good
16. Is your water supply adequate? Yes ☒ No Explain
17. REMARKS:

OVER

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm E1E1, SE1, Sec. 35 All Sec. 36 8S - 34E.

IRRIGATED LAND NON-IRRIGATED LAND

Farm Boundary.

NORTH

TSCHIRG DITCH

19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map.

19A. Ditch: Antler Land Ditch Acres: 521.70

Ditch: _____ Acres: _____

Information supplied by:

Name Smith Creek Indian Service Address _____ Date Oct 24-46

REMARKS: _____

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

The first appropriation for what is now known as the Antler Land Company canal was made June 11, 1914 by Edward Schroeder, Cora Williams Schroeder, Elmer Edward Schroeder and Leslie Schroeder. The filing was made on the same day. Also, on June 11, 1914, Mattie William Small appropriated 82 miner's inches to irrigate lands in Sections 9, 16 and 17, Township 9 South, Range 34 East.

On December 29, 1915, Mathew H. Tschirgi appropriated 400 miner's inches to be diverted from the Little Big Horn River. Filing was made on January 4, 1916.

On March 5, 1917 Mathew Tschirgi, Henry Small and Edward Schroeder appropriated 760 miner's inches of water from the Little Big Horn River. Notice of appropriation was filed on March 5, 1917 in Book 1, Page 24 of Misc. Records in the Big Horn County Courthouse.

On June 30, 1919 Mathew H. Tschirgi appropriated 456 miner's inches to be diverted from the Little Big Horn River. Filing was made on July 3, 1919 and recorded in Book 1, Page 575 of Misc. Records in the Big Horn County Courthouse.

On October 1, 1919 S. G. Reynolds filed an identical appropriation to the one above for 456 miner's inches. Notice of appropriation was recorded in Book 1, Page 639 of Misc. Records in the Big Horn County Courthouse.

STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 916

Owner Tschirgi, M.H. & Allison, M.J. Address Wyalapa, Mont

AAA Owner _____ Address _____

Operator Wyalapa, M.J. Address Lodge Grass, Mont

New Owner _____ Address _____

New Operator _____ Address _____

Assessment Record E²E², Sec. 35 8S-34E

N², NW⁴ SW⁴, Sec 36 2S-34E

Assessed Acreage 521.70

Legal Description of This Farm E²E², SE⁴, Sec. 35 All sec 36 8S-34E

Total Acres in Farm 880

Code Number 35A-36A

Photo No. 255-12, 34, 436

AAA Contract No. 1542

AAA Total Cropland Acreage _____

App. No. 211A-211B-250-255A

Decree No. _____

Land is located in

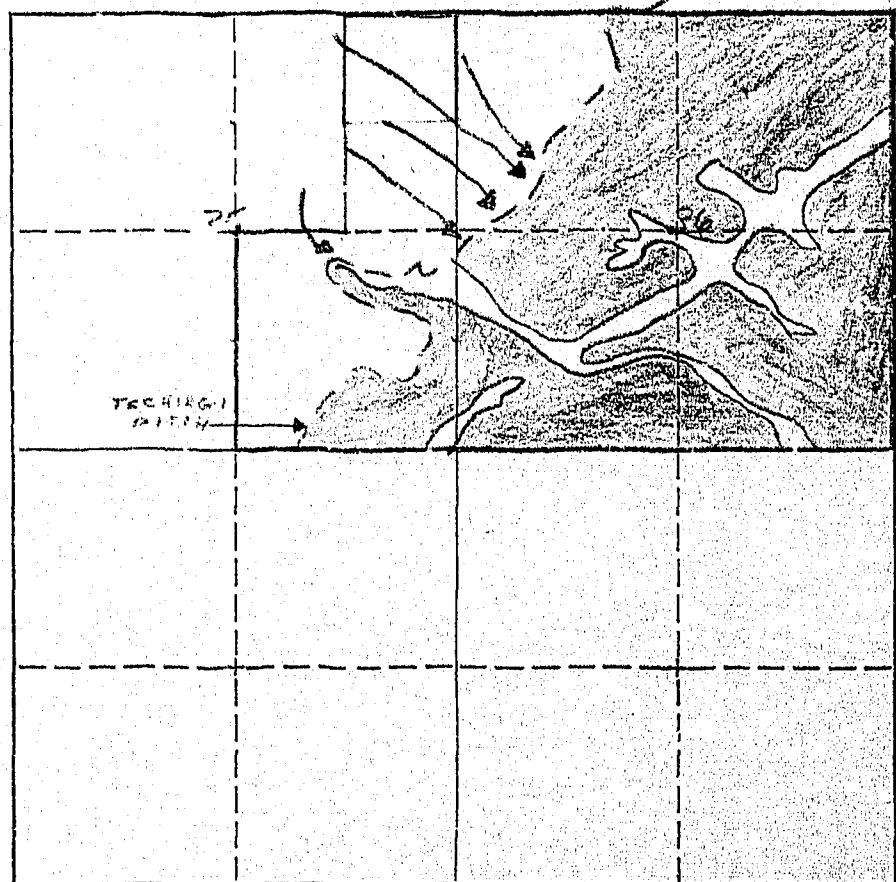
Twp. 8S Rge. 34E Twp. _____ Rge. _____

Twp. _____ Rge. _____ Twp. _____ Rge. _____

Filed in Twp. _____ Rge. _____

Remarks _____

Farm Map



I- 105.5-8.0-113.5

W- 416.2-4.3-420.5

521.7

W.P. 3116
No. _____

A Study of Montana's Water Resources

Form WR-4

35-A
36-A
36-B

Record of a Farm under A.A.A. Program Having Irrigated Land

A.A.A. Contract No. 1547 County Big Horn Twp. 8S Rng. 34E

Name of Owner Tschirgi M.H. Address Wyola Mont

Name of Operator _____ Address _____

Total Number of Acres in Farm _____ Number of Acres Irrigated in 1940 560
includes 36-B

Outline on the plat below in red pencil the boundaries of the farm unit.
If possible, show in blue pencil the location of the irrigated land. The
section number (s) should be clearly indicated. Obtain the legal descrip-
tion from county ownership records and correct boundaries if necessary.

Legal Description _____

34	35	A	36		

Tschirgi

Tschirgi Ditch

No. _____

Form WR-4

Record of a Farm under A.A.A. Program Having Irrigated Land

Name of Owner Allison, W.S. (FCKrieg Agent) Address _____

Name of Operator _____

Total Number of Acres in Farm _____ Number of Acres Irrigated in 1940 $\frac{560}{\text{includes } 36A}$

Outline on the plat below in red pencil the boundaries of the farm unit. If possible, show in blue pencil the location of the irrigated land. The section number (s) should be clearly indicated. Obtain the legal description from county ownership records and correct boundaries if necessary.

Legal Description

A 6x6 grid with solid horizontal and vertical lines. Dashed horizontal lines are present at the second, fourth, and sixth rows from the top. Dashed vertical lines are present at the second, fourth, and sixth columns from the left. Handwritten labels are as follows:

- Top right corner: "Tachira"
- Second row from top, first column: "27"
- Second row from top, third column: "26"
- Second row from top, fifth column: "25"
- Fourth row from top, first column: "34"
- Fourth row from top, third column: "35"
- Fourth row from top, fifth column: "36"

A small diagram is located in the bottom right corner, spanning the bottom two rows and the fifth and sixth columns. It consists of a 2x2 square with an additional vertical line segment extending from the top of the rightmost column. The letter "B" is written inside the square.

STATE ENGINEERS OFFICE
Water Resources Survey

Notice of Appropriation

211A

1. County Big Horn Book 1 Page 639 Record Misc
2. Name of Appropriator S. G. Reynolds Address _____
3. Date Appropriated 10-1-19 Date Filed 10-14-19
- Amount Appropriated, Miners Inches 456, Cubic Feet per second _____
4. Name of Stream Little Big Horn River Tributary _____ Basin _____
5. Point of Diversion _____

Sec. 17 Twp. 9 S Rge. 34 E Bank of Stream west

6. Purpose Irrigation & domestic
7. Description of System ditch

8. Land Description of Intended Place of Use All sec. 35, 36, 8 S-34 E

9. Remarks (Pertaining to Use, etc.) _____

Decree

10. Case No. _____ Date _____ Amt. Decreed: M. I. _____ C. F. S. _____
11. To Whom Decreed _____ Address _____
12. Name of Ditch _____ Maximum Capacity (C. F. S.) _____
13. Date of Priority _____ Purpose _____
14. Land Description of Place of Use as Decreed _____
15. Remarks (Present Use Status, etc.) _____

STATE ENGINEERS OFFICE
Water Resources Survey

Notice of Appropriation

250

1. County Big Horn Book 1 Page 577 Record None
2. Name of Appropriator W. L. Gilbert Address _____
3. Date Appropriated 6-30-19 Date Filed 7-3-19
Amount Appropriated, Miners Inches 290, Cubic Feet per second _____
4. Name of Stream Little Big Horn River Tributary _____ Basin _____
5. Point of Diversion N-10° 0' E 422 ft from SW corner sec 17 9S 34E
in EWSW of
Sec. 17 Twp. 9S Rge. 34E Bank of Stream west

6. Purpose Irrigation, domestic
7. Description of System ditch

8. Land Description of Intended Place of Use All sec 36, 8S-34E
sec 1 & 2 9S-34E

9. Remarks (Pertaining to Use, etc.) _____

Decree

10. Case No. _____ Date _____ Amt. Decreed: M. I. _____ C. F. S. _____
11. To Whom Decreed _____ Address _____
12. Name of Ditch _____ Maximum Capacity (C. F. S.) _____
13. Date of Priority _____ Purpose _____
14. Land Description of Place of Use as Decreed _____
15. Remarks (Present Use Status, etc.) _____



739

Form WR-1-10M 8-45

STATE OF MONTANA
STATE ENGINEERS OFFICE
Water Resources Survey

Code No. 13 A - 619 - 70

County Big Horn

T. 8 S. R. 33 E.
8 S. 34 E.

Name of Land Owner Hults, E. F. Address Lodge Grass, Montana

Name of Operator Address

Part A

TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM
A DITCH COMPANY OR IRRIGATION DISTRICT

1. Water is delivered by: Oliver Peters or Nick Nethleton Nisch
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 130 Shares you hold
3. If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A and Part B.

Part B

TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM
or those who have a private water right under a Ditch Company

4. In what year was this land first irrigated? Date I don't know
5. Give the name of the original appropriator (first user): Oliver Peters
6. Give the date appropriated Amount filed on: Miners Inches C. F. S.
7. State the total number of acres irrigated under this system:
8. Give the point of diversion: SE 1/4 NE 1/4 Section 24 Township 8 Range 33

Part C

TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B

9. Source of Water: Lodge Grass Creek
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping Other
11. What is the greatest number of acres you have irrigated? 130 Date 1945
12. How many acres did you irrigate in 1945? (Crop and pasture) 130
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 160 This land is under what ditch? Oliver Peters or Nick Nethleton
14. How many acres of seeped land do you have which could be drained and put into production? none
15. What is the condition of your irrigation system? good, we have a very short ditch and is expensive to keep up
16. Is your water supply adequate? Yes ☒ No Explain I think it is providing the willow creek
17. REMARKS: our papers are in Sheridan so I don't know what date our water right was appropriated, when we go to Sheridan attorney can look it up
measured figure used




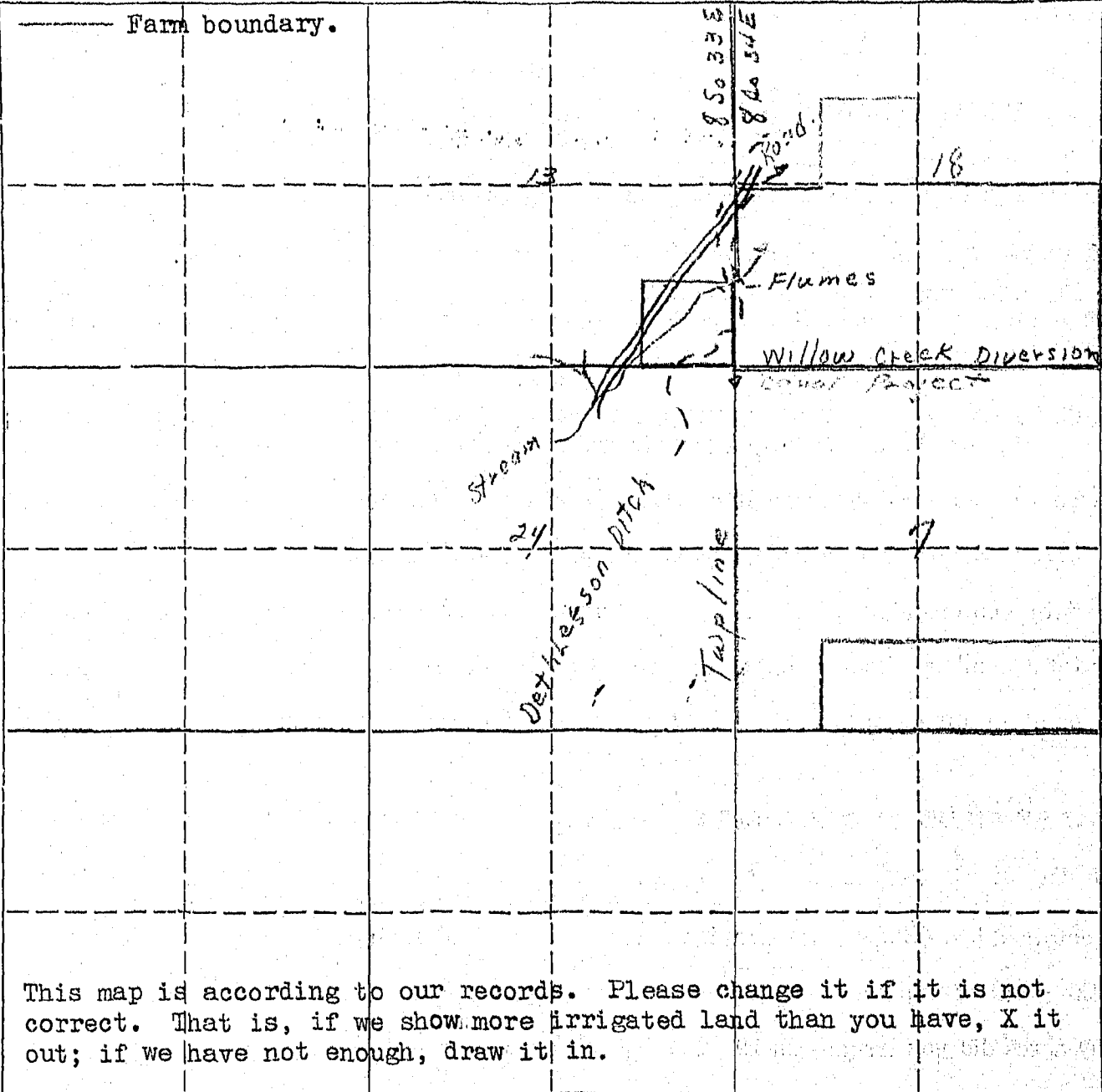
OVER

HARRY HUNTER

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm SESE $\frac{1}{2}$, Sec. 13, Twp. 8 S., Rge. 33 E.

 IRRIGATED LAND	 NON-IRRIGATED LAND
<p>See sec. 7 below</p>	
<p>----- Farm boundary.</p>	
<p>NORTH</p> <p></p>	
	
<p>This map is according to our records. Please change it if it is not correct. That is, if we show more irrigated land than you have, X it out; if we have not enough, draw it in.</p>	

19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map.

19A. Ditch: This land is all irrigate by the Ketchikan Ditch Acres: 130

Ditch: _____ Acres: _____

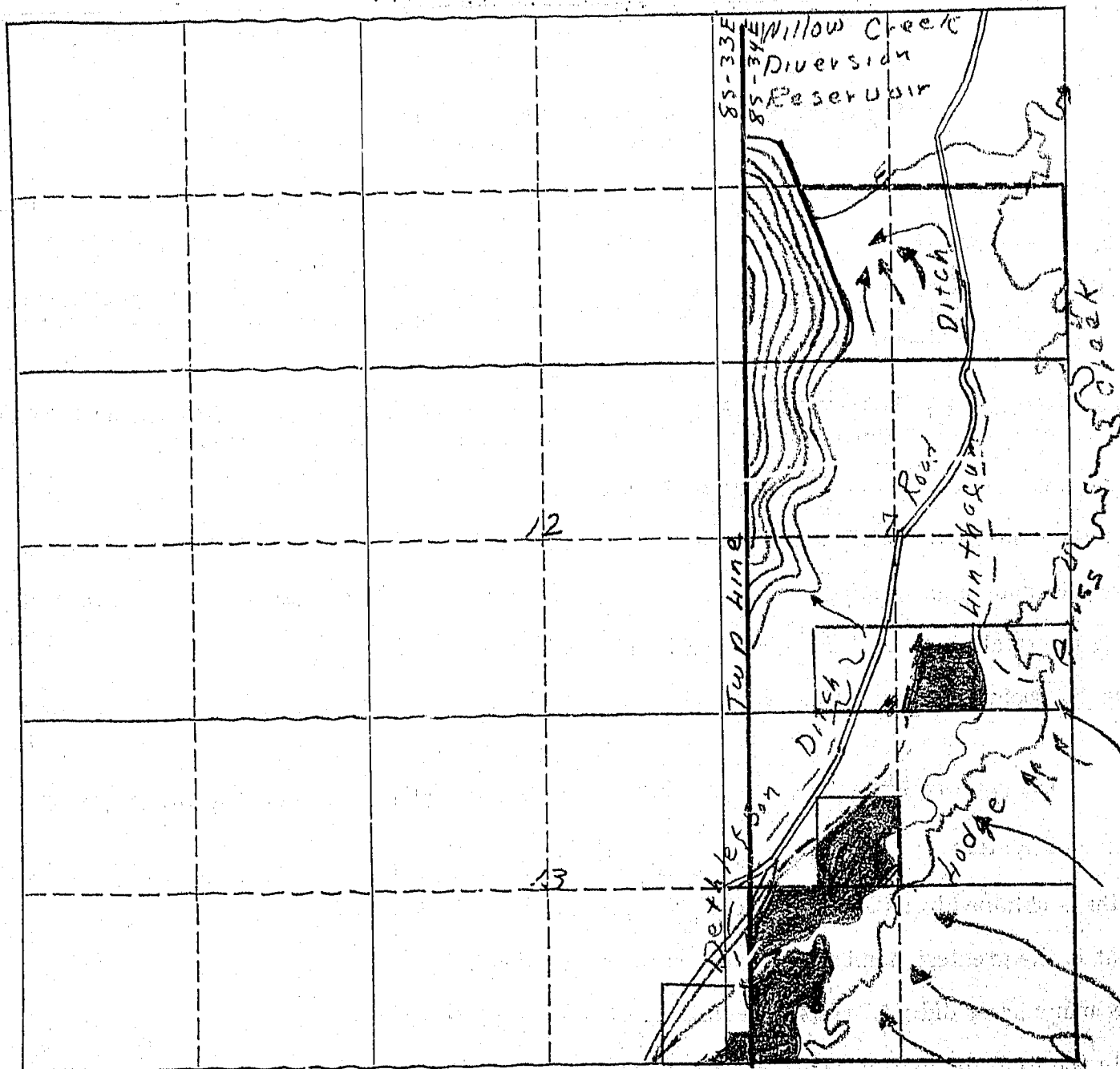
Information supplied by:

Name E. F. Hults & sons Address Lodge Grass, Montana Date 1946 Feb 21

REMARKS: I don't know how to draw the land on your map so will send one I drew

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

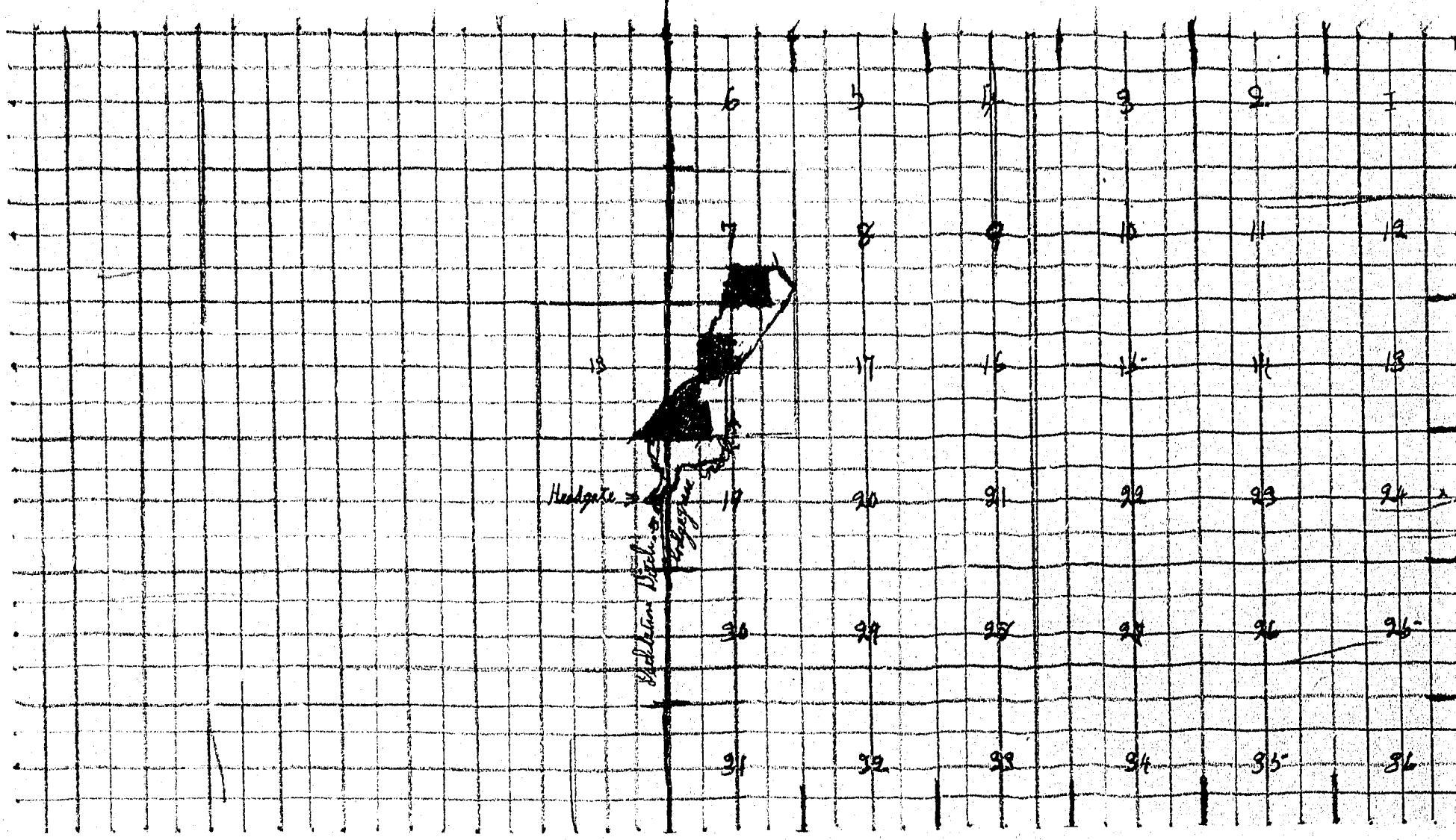
ORTH



This is not much of a snafu but maybe you can get some idea as to how land lays and what we irrigate
 last year we irrigate around 130 Acres
 can irrigate 165 Acres

Township ~~no~~ 8 Range no 33 E

Township no 8 Range no 34 E



STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 739

Owner..... Address.....

AAA Owner HULTS, E.T. Address Lodge Grass, Mont

Operator..... Address.....

New Owner..... Address.....

New Operator..... Address.....

Assessment Record.....

USID
Assessed Acreage 21.4

Legal Description of This Farm SESE Sec. 13- 8S-33E

Total Acres in Farm 40.0

Code Number 13A

Photo No. 234-74

AAA Contract No. -

AAA Total Cropland Acreage -

App. No. 210

Decree No.

Land is located in

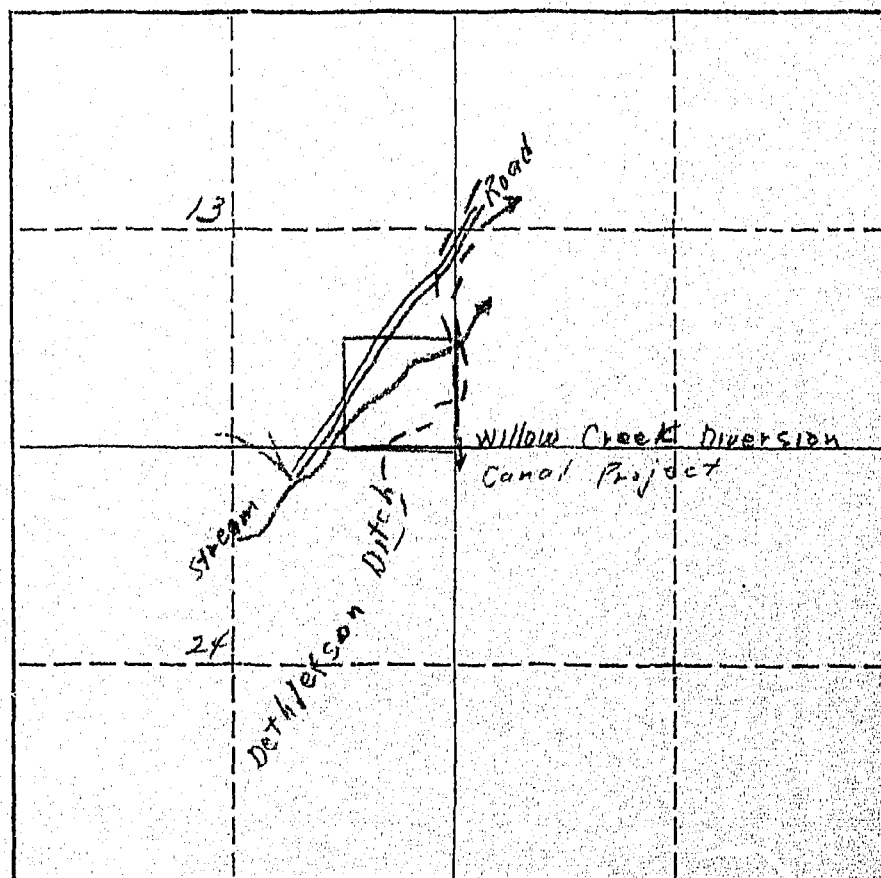
Twp. 8S Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 8S Rge. 33E

Remarks.....

Farm Map



February 14, 1946

Mr. E. F. Hults
Lodge Grass, Montana

Dear W. J. Hults:

Appropriation:

According to our records the following notice of appropriation was filed on
and covers your land.

On December 7, 1907, Oliver Peters (for children, Alice, George, Arthur, Elsie,
and Ernest) filed for 300 miners inches from Lodge Grass Creek, recorded in
Miscellaneous Records, Book A, Page 471, Big Horn County. (210)

Is this appropriation now in use? If it is not, mark it "No", and if it is,
mark it "Yes".

W.P. 3116
No. _____

A Study of Montana's Water Resources

Form WR-4

13-A

Record of a Farm under A.A.A. Program Having Irrigated Land

A.A.A. Contract No. _____ County Big Horn Twp. 8S Rng. 33E
Name of Owner Holtz, Edgar Address Lodge Cross
Name of Operator Same Address _____
Total Number of Acres in Farm 40 (Detilelson) 1938
Number of Acres Irrigated in 1940

Outline on the plat below in red pencil the boundaries of the farm unit.
If possible, show in blue pencil the location of the irrigated land. The
section number (s) should be clearly indicated. Obtain the legal descrip-
tion from county ownership records and correct boundaries if necessary.

Legal Description SE 1/4 Sec 13

Not in program for irrigated land.

3		2		
15		14		13

see A-1
Peters

Lillis 16
also 80-T8-34

Stevens, Fitch

same Cont
8S 34E

A STUDY OF MONTANA'S WATER RESOURCES

1. Water User Holtz, Edgar Address Lodge Grass

2. Stream Little Glass Cr. Tributary to Little Bear Horn Basin

3. Point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section Township Range

4. Description of System Dam and 2 miles ditch

5. Type of Irrigation Artificial flood from Intermittent Stream

6. Original Appropriator DeLors Address 1000 17th St NW

7. First Use: Year..... Acres Irrigated

8. Maximum Use: Year Acres Irrigated

9. Present Use: Year 1941 Acres Irrigated 16 (85 acres additional 85-34E)

10. Last Use: Year _____ Why Abandoned _____

11. Condition of System

12. Land Description SLSEA Sec 13 , T 85 , R 33E

Remarks:

Hultz bought land from
Nick Dethlefsen in 1938
Thinks Willis report gives
96 acres. (80+16)
See Linthicum 7A-85-34E
as to history
See Hultz 7B 85-33F
for additional land same farm

A 4x4 grid of squares. The top-left square is labeled '11', the top-right square is labeled '12', the bottom-left square is labeled '1A', and the bottom-right square is labeled '1B'.

WITNESS: _____ Information by _____

Place _____

STATE ENGINEERS OFFICE
Water Resources SurveyCOUNTY Big HornFILE NO. 927 - (929) ^vOwner Haltz, E. F. Address Wyo 19, Mont.

AAA Owner..... Address.....

Operator Haltz, E. F. Address Wyo 19, Mont.

New Owner..... Address.....

New Operator..... Address.....

Assessment Record.....

⁴⁵¹⁰
Assessed Acreage.....Legal Description of This Farm SE 5W⁴, S² SE⁴, Sec. 7 SE NW⁴, S², Sec. 18 8S-34ETotal Acres in Farm 470Code Number 7B-18APhoto No. 355-66

AAA Contract No.....

AAA Total Cropland Acreage.....

App. No. 210

Decree No.....

Land is located in

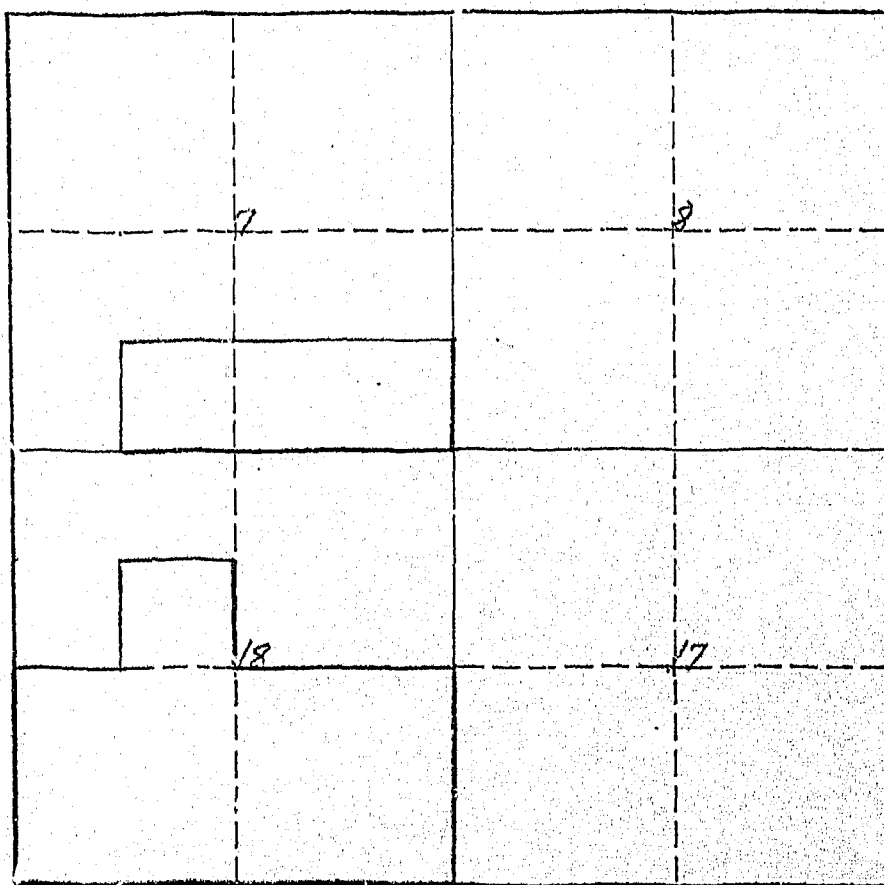
Twp. 8S Rge. 34E Twp. 8S Rge. 33E

Twp. Rge. Twp. Rge.

Filed in Twp. 8S Rge. 33E

Remarks.....

Farm Map



W-134.7-0.0-134.7

STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 914

Owner Hartz, E. F.

Address... Wyo la, Mont

AAA Owner.

Address.

Operator.....T. A. T. 2., E. F.

Address: Wyola, Mo.

New Owner.

Address

New Operator.

Address

Assessment Record.

u S I D
Assessed Acreage.

Legal Description of This Farm Trac. E[~]SW⁴ (East of Dam) SE⁴ Sec. 6 TS-34E

Total Acres in Farm.

Code Number... 6A

Farm Map

Photo No.....241-40

AAA Contract No.

AAA Total Cropland Acreage.

App. No.....212.

Decree No..

Land is located in

Twp. 89 Rge. 34E Twp. 30 Rge. 33E

Twp..... Rge..... Twp..... Rge.....

Filed in Twp. 8 So Rge. 33 E

Remarks..

[illegible]

7-B
16-B
17-B
18-B

A.A.A. Contract No. _____ County Big Horn Twp. 8 South Rng. 34 East
Name of Owner Huerta Edgar Address Lodge Grass, Mont
Name of Operator same Address _____
Total Number of Acres in Farm 82.92 Number of Acres Irrigated in 1940 11.42

Outline on the plat below in red pencil the boundaries of the farm unit. If possible, show in blue pencil the location of the irrigated land. The section number (s) should be clearly indicated. Obtain the legal description from county ownership records and correct boundaries if necessary.

Legal Description SE⁴SW⁴ 15-85-35E SE⁴SW⁴ 16-85-35E SE⁴SW⁴ 17-85-35E SE⁴SW⁴ 18-85-35E SE⁴SW⁴ 19-85-35E SE⁴SW⁴ 20-85-35E SE⁴SW⁴ 21-85-35E SE⁴SW⁴ 22-85-35E SE⁴SW⁴ 23-85-35E SE⁴SW⁴ 24-85-35E SE⁴SW⁴ 25-85-35E SE⁴SW⁴ 26-85-35E SE⁴SW⁴ 27-85-35E SE⁴SW⁴ 28-85-35E SE⁴SW⁴ 29-85-35E SE⁴SW⁴ 30-85-35E SE⁴SW⁴ 31-85-35E SE⁴SW⁴ 32-85-35E SE⁴SW⁴ 33-85-35E SE⁴SW⁴ 34-85-35E SE⁴SW⁴ 35-85-35E SE⁴SW⁴ 36-85-35E SE⁴SW⁴ 37-85-35E SE⁴SW⁴ 38-85-35E SE⁴SW⁴ 39-85-35E SE⁴SW⁴ 40-85-35E SE⁴SW⁴ 41-85-35E SE⁴SW⁴ 42-85-35E SE⁴SW⁴ 43-85-35E SE⁴SW⁴ 44-85-35E SE⁴SW⁴ 45-85-35E SE⁴SW⁴ 46-85-35E SE⁴SW⁴ 47-85-35E SE⁴SW⁴ 48-85-35E SE⁴SW⁴ 49-85-35E SE⁴SW⁴ 50-85-35E SE⁴SW⁴ 51-85-35E SE⁴SW⁴ 52-85-35E SE⁴SW⁴ 53-85-35E SE⁴SW⁴ 54-85-35E SE⁴SW⁴ 55-85-35E SE⁴SW⁴ 56-85-35E SE⁴SW⁴ 57-85-35E SE⁴SW⁴ 58-85-35E SE⁴SW⁴ 59-85-35E SE⁴SW⁴ 60-85-35E SE⁴SW⁴ 61-85-35E SE⁴SW⁴ 62-85-35E SE⁴SW⁴ 63-85-35E SE⁴SW⁴ 64-85-35E SE⁴SW⁴ 65-85-35E SE⁴SW⁴ 66-85-35E SE⁴SW⁴ 67-85-35E SE⁴SW⁴ 68-85-35E SE⁴SW⁴ 69-85-35E SE⁴SW⁴ 70-85-35E SE⁴SW⁴ 71-85-35E SE⁴SW⁴ 72-85-35E SE⁴SW⁴ 73-85-35E SE⁴SW⁴ 74-85-35E SE⁴SW⁴ 75-85-35E SE⁴SW⁴ 76-85-35E SE⁴SW⁴ 77-85-35E SE⁴SW⁴ 78-85-35E SE⁴SW⁴ 79-85-35E SE⁴SW⁴ 80-85-35E SE⁴SW⁴ 81-85-35E SE⁴SW⁴ 82-85-35E SE⁴SW⁴ 83-85-35E SE⁴SW⁴ 84-85-35E SE⁴SW⁴ 85-85-35E SE⁴SW⁴ 86-85-35E SE⁴SW⁴ 87-85-35E SE⁴SW⁴ 88-85-35E SE⁴SW⁴ 89-85-35E SE⁴SW⁴ 90-85-35E SE⁴SW⁴ 91-85-35E SE⁴SW⁴ 92-85-35E SE⁴SW⁴ 93-85-35E SE⁴SW⁴ 94-85-35E SE⁴SW⁴ 95-85-35E SE⁴SW⁴ 96-85-35E SE⁴SW⁴ 97-85-35E SE⁴SW⁴ 98-85-35E SE⁴SW⁴ 99-85-35E SE⁴SW⁴ 100-85-35E SE⁴SW⁴ 101-85-35E SE⁴SW⁴ 102-85-35E SE⁴SW⁴ 103-85-35E SE⁴SW⁴ 104-85-35E SE⁴SW⁴ 105-85-35E SE⁴SW⁴ 106-85-35E SE⁴SW⁴ 107-85-35E SE⁴SW⁴ 108-85-35E SE⁴SW⁴ 109-85-35E SE⁴SW⁴ 110-85-35E SE⁴SW⁴ 111-85-35E SE⁴SW⁴ 112-85-35E SE⁴SW⁴ 113-85-35E SE⁴SW⁴ 114-85-35E SE⁴SW⁴ 115-85-35E SE⁴SW⁴ 116-85-35E SE⁴SW⁴ 117-85-35E SE⁴SW⁴ 118-85-35E SE⁴SW⁴ 119-85-35E SE⁴SW⁴ 120-85-35E SE⁴SW⁴ 121-85-35E SE⁴SW⁴ 122-85-35E SE⁴SW⁴ 123-85-35E SE⁴SW⁴ 124-85-35E SE⁴SW⁴ 125-85-35E SE⁴SW⁴ 126-85-35E SE⁴SW⁴ 127-85-35E SE⁴SW⁴ 128-85-35E SE⁴SW⁴ 129-85-35E SE⁴SW⁴ 130-85-35E SE⁴SW⁴ 131-85-35E SE⁴SW⁴ 132-85-35E SE⁴SW⁴ 133-85-35E SE⁴SW⁴ 134-85-35E SE⁴SW⁴ 135-85-35E SE⁴SW⁴ 136-85-35E SE⁴SW⁴ 137-85-35E SE⁴SW⁴ 138-85-35E SE⁴SW⁴ 139-85-35E SE⁴SW⁴ 140-85-35E SE⁴SW⁴ 141-85-35E SE⁴SW⁴ 142-85-35E SE⁴SW⁴ 143-85-35E SE⁴SW⁴ 144-85-35E SE⁴SW⁴ 145-85-35E SE⁴SW⁴ 146-85-35E SE⁴SW⁴ 147-85-35E SE⁴SW⁴ 148-85-35E SE⁴SW⁴ 149-85-35E SE⁴SW⁴ 150-85-35E SE⁴SW⁴ 151-85-35E SE⁴SW⁴ 152-85-35E SE⁴SW⁴ 153-85-35E SE⁴SW⁴ 154-85-35E SE⁴SW⁴ 155-85-35E SE⁴SW⁴ 156-85-35E SE⁴SW⁴ 157-85-35E SE⁴SW⁴ 158-85-35E SE⁴SW⁴ 159-85-35E SE⁴SW⁴ 160-85-35E SE⁴SW⁴ 161-85-35E SE⁴SW⁴ 162-85-35E SE⁴SW⁴ 163-85-35E SE⁴SW⁴ 164-85-35E SE⁴SW⁴ 165-85-35E SE⁴SW⁴ 166-85-35E SE⁴SW⁴ 167-85-35E SE⁴SW⁴ 168-85-35E SE⁴SW⁴

See same owner 85-33E

Proposed Irrig

A

B

18

17

16

See A-1
Peters
Dethlaffson ✓

Lillis 80
also 16 T 8-83

۱۳۱

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County Big Horn Source of Information Edgar Hultz
 1. Water User Hultz, Edgar Address Lodge Grass
 2. Stream Lodge Grass Cr Tributary to Little Big Horn Basin
 3. Point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section Township Range
 4. Description of System Small diversion dam & 2 miles ditch
 5. Type of Irrigation Artificial flood - Intermittent stream
 6. Original Appropriator Peters ? Address
 7. First Use: Year Acres Irrigated
 8. Maximum Use: Year Acres Irrigated
 9. Present Use: Year 1941 Acres Irrigated 80 (16 acres additional 28-33E)
 10. Last Use: Year Why Abandoned
 11. Condition of System Good - Water shortage some years
 12. Land Description as shown, T 8S, R 34E

Remarks:

Hultz bought farm in
 1938. Former owner Nick
 Dehlfesen.
 Thinks Lillis report
 gives 96 acres (80+16)
 See Linthicum 79-85-34E
 as to history.
 See Hultz 13A-85-332 for
 additional land same farm.

		7				8	
		18				17	

WITNESS:

[Signature]

Information by

Edgar Hultz

Place

Hardin

3/5/42

STATE ENGINEERS OFFICE
Water Resources Survey
Notice of Appropriation

210

1. County Big Horn Book A Page 471 Record Misc
2. Name of Appropriator Oliver Peters Address _____
3. Date Appropriated 12-6-07 Date Filed 12-7-07
- Amount Appropriated, Miners Inches 300, Cubic Feet per second _____
4. Name of Stream Hodge Grass Creek Tributary _____ Basin _____
5. Point of Diversion 64 ft. NE from SW corner of S.W.S.E. of

Sec. 24 Twp. 8 S Rge. 33 E Bank of Stream west

6. Purpose Irrigation & other
7. Description of System dam & ditch

8. Land Description of Intended Place of Use SESE^u sec 13, 8S-34E
W^uNW^u sec 19, " 33E
SW^u " 18 " "
S^uSE^u, SE^uSW^u " 7 " "

9. Remarks (Pertaining to Use, etc.) _____

Decree

10. Case No. _____ Date _____ Amt. Decreed: M. I. _____ C. F. S. _____
11. To Whom Decreed _____ Address _____
12. Name of Ditch _____ Maximum Capacity (C. F. S.) _____
13. Date of Priority _____ Purpose _____
14. Land Description of Place of Use as Decreed _____
15. Remarks (Present Use Status, etc.) _____



STATE OF MONTANA
STATE ENGINEERS OFFICE
Water Resources Survey

Code No. 7C - 18B

County Big Horn

T. 8S. R. 34E

Name of Land Owner U.S.I.D. Address

Name of Operator Address

Part A

**TO BE FILED BY THOSE OBTAINING IRRIGATION WATER FROM
 A DITCH COMPANY OR IRRIGATION DISTRICT**

1. Water is delivered by: Ballou's Ditch
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 0 Shares you hold 0
3. If you obtain water from more than one Company, give the number of shares, acres irrigated and the name of the Company under "Remarks." If you obtain water from a Ditch Company and also have a private system fill in both Part A and Part B.

Part B

**TO BE FILED BY THOSE WHO HAVE A PRIVATE DITCH, PUMP OR IRRIGATION SYSTEM
 or those who have a private water right under a Ditch Company**

4. In what year was this land first irrigated? Date
5. Give the name of the original appropriator (first user):
6. Give the date appropriated. Amount filed on: Miners Inches. C. F. S.
7. State the total number of acres irrigated under this system:
8. Give the point of diversion: $\frac{1}{4}$ $\frac{1}{4}$ Section Township Range

Part C

TO BE FILED BY ALL WATER USERS IN ADDITION TO PART A OR PART B

9. Source of Water: K Lodge Indian Reservation
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping Other
11. What is the greatest number of acres you have irrigated? Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 43.7 This land is under what ditch? Lucas
14. How many acres of seeped land do you have which could be drained and put into production?
15. What is the condition of your irrigation system? Good
16. Is your water supply adequate? Yes ☒ No Explain
17. REMARKS:

OVER

NOTE: The foregoing questions apply only to irrigated land shown on this plat.

DESCRIPTION AND MAP OF FARM

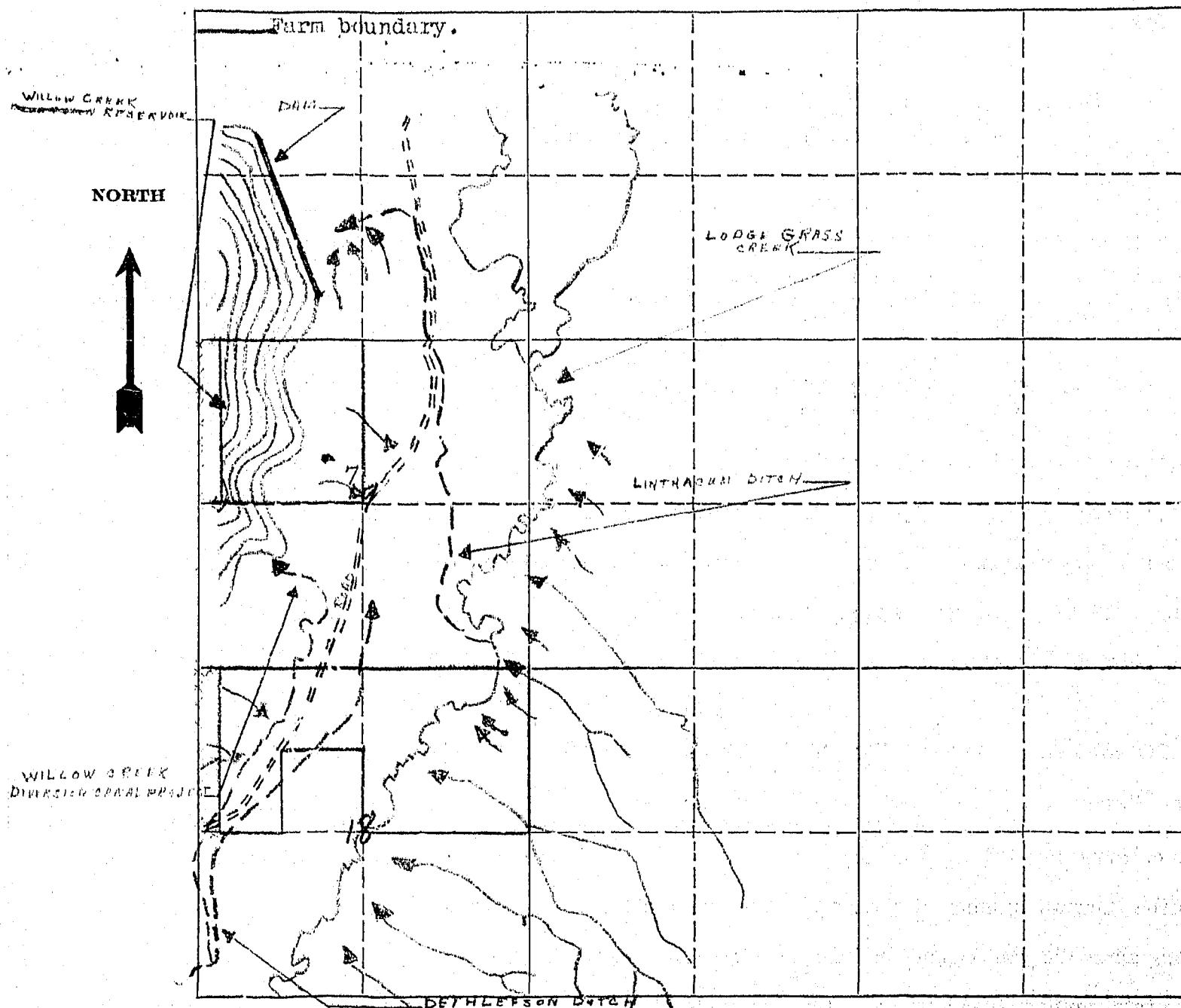
18. Legal Description of this Farm. Frac. NW¹, Sec. 7, W¹SW¹, N¹SW¹, NE¹, Sec. 18 8S - 34E.



IRRIGATED LAND



NON-IRRIGATED LAND



19. If the above land is irrigated from more than one ditch please give the acreage under each ditch in 19A and indicate the location of the land irrigated from each on the above map.

19A. Ditch: Private Ditch Acres: 0

Ditch: _____ Acres: _____

Information supplied by:

Name: Gold Creek & Indian Springs Address: _____ Date: Sept 23-46

REMARKS: _____

If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

STATE ENGINEERS OFFICE
Water Resources Survey

COUNTY Big Horn

FILE NO. 917

Owner U.S.D. Address _____

AAA Owner _____ Address _____

Operator _____ Address _____

New Owner _____ Address _____

New Operator _____ Address _____

Assessment Record _____

Assessed Acreage _____

Legal Description of This Farm ^{Flac} NW⁴, Sec. 7, W^{1/2} NW⁴, NE NW⁴, NE⁴, Sec. 18 8S-34E

Total Acres in Farm _____

Code Number 18B-7C

Farm Map

Photo No. _____

AAA Contract No. _____

AAA Total Cropland Acreage _____

App. No. 0

Decree No. _____

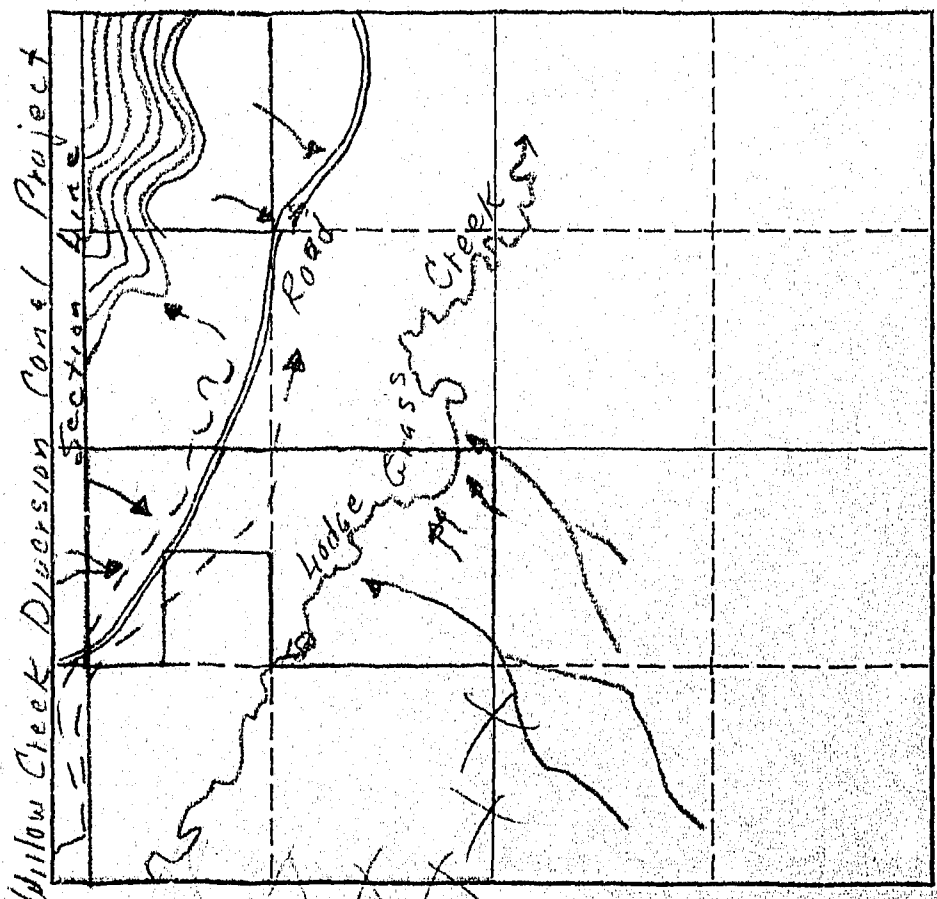
Land is located in

Twp. _____ Rge. _____ Twp. _____ Rge. _____

Twp. _____ Rge. _____ Twp. _____ Rge. _____

Filed in Twp. _____ Rge. _____

Remarks _____



± - 43.7 - 0.0 - 43.7

Form WR-4

A.A.A. Contract No. 709 County Beg Horn Twp. 8S Rng. 33E
Name of Owner Lintbacom, LC Address Hardin
Name of Operator Shipley, BR Address Lodge Grass
Total Number of Acres in Farm 50 Number of Acres Irrigated in 1940 0

Legal Description Part of E2SEA Sec 12

1 2 3

12 11 10

13 14 15

NOTES

Lillie reports
160 acres. Total
All in T 8-34

Same Cont
85 34E

5-A
9-A

W.P. 3116
No. _____

A Study of Montana's Water Resources

Form NR-4

Record of a Farm under A.A.A. Program Having Irrigated Land

A.A.A. Contract No. _____ County Big Horn Twp. 8S Rng. 3E

Name of Owner Miller, M. W. Address Lodge Grass

Name of Operator Same Address _____

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 160

Outline on the plat below in red pencil the boundaries of the farm unit. If possible, show in blue pencil the location of the irrigated land. The section number (s) should be clearly indicated. Obtain the legal description from county ownership records and correct boundaries if necessary.

Legal Description NW 1/4 SW 5, E 1/4 NW 4, NE 1/4 SW 9

8 South 34 East

<u>Not in AAA Program. Has irrigated land (Sullivan)</u>		<u>160</u>		<u>160</u>	
		<u>160</u>		<u>160</u>	
		<u>5</u>			
		<u>A</u>			
				<u>A</u>	

No. _____ Record of a Farm under A.A.A. Program Having Irrigated Land

Total Number of Acres in Farm 240 Number of Acres Irrigated in 1940 45

Legal Description VE" E" NW" 6. 8S-34E Lot 4

[illegible]