

County Big Horn

Farm Checked Date 12-27-66

By \_\_\_\_\_

Legal Land Owner.....*Clair*

Operator..... *2912*

Water is delivered by:— 1. Private System;

STATE OF MONTANA  
WATER CONSERVATION BOARD  
Water Resources Survey

T. 21 R. 334 Plat No.....

Photo No. 243-14, 243-15

Address: Dealer

Address.....

2. Ditch Company;

3. State Project;

4. Federal Project;

### 5. Irrigation District

[illegible]

**NOTE: R—Denotes Regular Irrigation. F—Flood Irrigation.**

Adequate Supply: Yes..... No ..... Explain \_\_\_\_\_

Remarks

Yellowstone Campsite October 1963

River Basin

No in: Plat No.....	Twp.....	Rge.....	Plat No.....	Twp.....	Rge.....	Plat No.....	Twp.....	Rge.....
Plat No.....	Twp.....	Rge.....	Plat No.....	Twp.....	Rge.....	Plat No.....	Twp.....	Rge.....

Information From:

Claire Boyce

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

Land Ownership .....

.....

.....



1087

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1-10M 8-45

Code No. 27A  
County Big Horn  
T. 2N R. 30E

Name of Land Owner (J. S. ...) 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: \_\_\_\_\_  
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 \_\_\_\_\_
5. Give the name of the original appropriator (first user): Loren H. Huntley, Right
6. Give the date appropriated \_\_\_\_\_ Amount filed on: Miners Inches \_\_\_\_\_ C. F. S. \_\_\_\_\_
7. State the total number of ac. irrigated under this system: \_\_\_\_\_
8. Give the point of diversion: \_\_\_\_\_ 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: Yellowstone 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 1944? (Crop and pasture) 0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 4.6 This land is under what ditch? Same
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: \_\_\_\_\_

4.6 acres in large brush could be irrigated  
from plan that canal out of Anita Res.

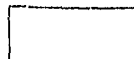
OVER

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

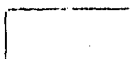
### DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm.

Land owned by Huntley Project  
Sec. 27, NE NW 1/4, N 2 NE 1/4, T 14 N - R 30 E.

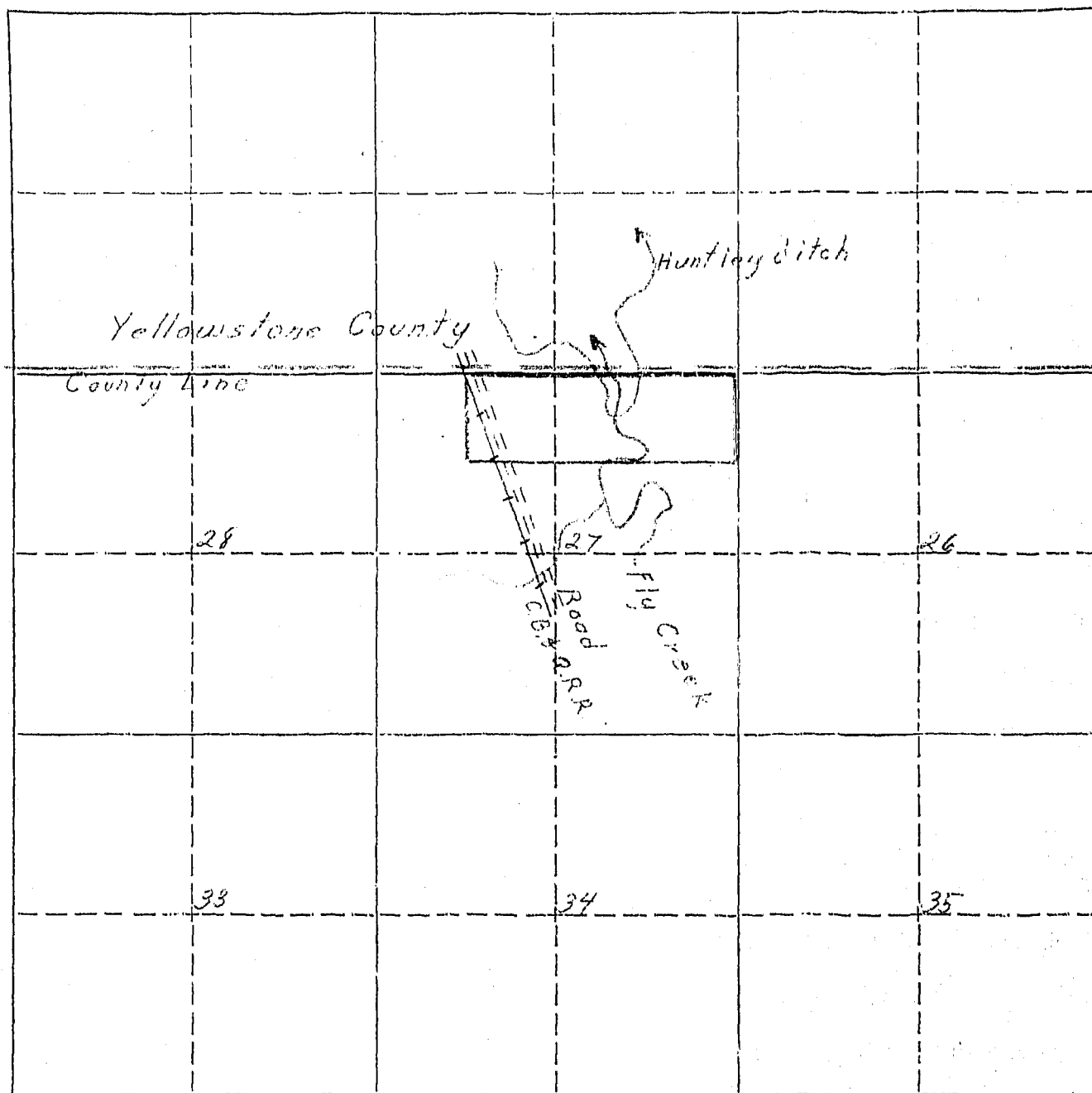


IRRIGATED LAND



NON-IRRIGATED LAND

NORTH



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: Huntley Project ditch Acres: 0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name: Field Check Address: \_\_\_\_\_ Date: \_\_\_\_\_

REMARKS: Sept 14, 1944

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. 1087

Owner U.S.A. Address .....

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

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

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

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

Assessment Record .....

Assessed Acreage .....

Legal Description of This Farm NE NE 1/4, NE 1/4 NW 1/4 sec. 27 Twp. 2N - Rge. 30E

Total Acres in Farm 120

Code Number 27A

Photo No. 244-79

AAA Contract No. ....

AAA Total Cropland Acreage .....

App. No. Huntley Right

Decree No. ....

Land is located in

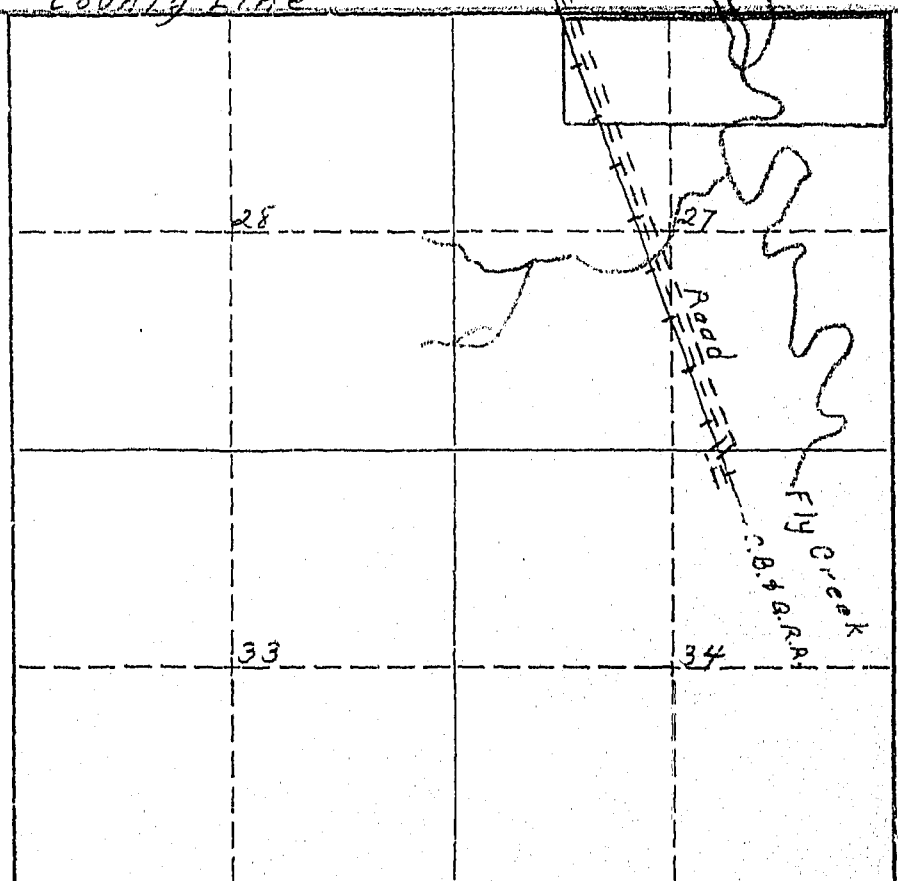
Twp. 2N Rge. 30E Twp. .... Rge. ....

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

Filed in Twp. .... Rge. ....

Remarks .....

Farm Map





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Form WIR-1--10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 34 E

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Abell, Robert L. Address Hardin, Montana

Name of Operator Abell, Robert L. Address Hardin, Montana

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

1. Water is delivered by: Big Horn River  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 30 Shares you hold 10
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 1938
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 34 Township 27 Range 33

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

9. Source of Water: Big 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? 60 Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 30
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 40 This land is under what ditch? Low Line Ditch
14. How many acres of seeped land do you have which could be drained and put into production? 40
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. N<sup>1</sup>SE<sup>1</sup>, Sec. 34 - T. 2 N., Rge. 33 E.

IRRIGATED LAND      NON-IRRIGATED LAND

— Farm boundary.

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: Big Horn Low Line Acres: 30

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name: Robert L. Bell Address: Hardist Date: Jan 22 1946

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.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Ro. McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Garharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

January 9, 1946

Mr. Robert L. Abell  
Hardin, Montana

Dear Mr. Abell:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Fowers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.90 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Robert L. Abell

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January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farms by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Cravetz  
Ass't State Engineer

GJC:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hins, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 166

Owner Boell, Robert L. Address Farmer, Mont

AAA Owner " Address "

Operator " Address "

New Owner " Address "

New Operator " Address "

Assessment Record N<sup>W</sup> 34<sup>th</sup> Sec. 34 - 2 N. 33 E.

Assessed Acreage 7

Legal Description of This Farm N<sup>W</sup> 34<sup>th</sup> Sec. 34 - 2 N. 33 E.

Total Acres in Farm 80.0

Code Number 34 E

Photo No. 213-82-82

AAA Contract No. 335 A

AAA Total Cropland Acreage 41.3

App. No. 335-336-337-338-339

Decree No. "

Land is located in

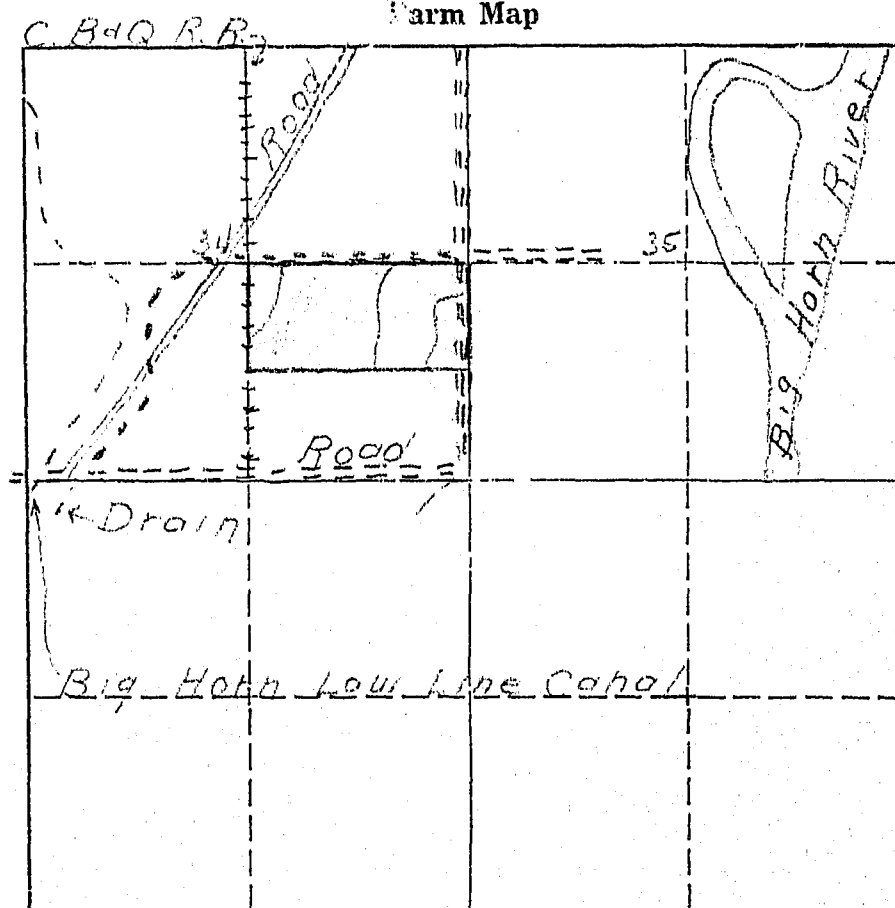
Twp. 2N Rge. 33E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2N Rge. 33E

Remarks "

Farm Map







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Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 34 B  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Adler, Alex Address Hardin, Montana

Name of Operator Adler, Alex Address Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn Low Line Ditch Co.  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 133 Shares you hold 155
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: 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: Big 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? 133 Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 133
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 3 This land is under what ditch? Two Leggins Water Users Assn
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? Fair
16. Is your water supply adequate? Yes ☒ No Explain
17. REMARKS:

The 3 acres could be irrigated from the Two Leggins Ditch but I have no water right

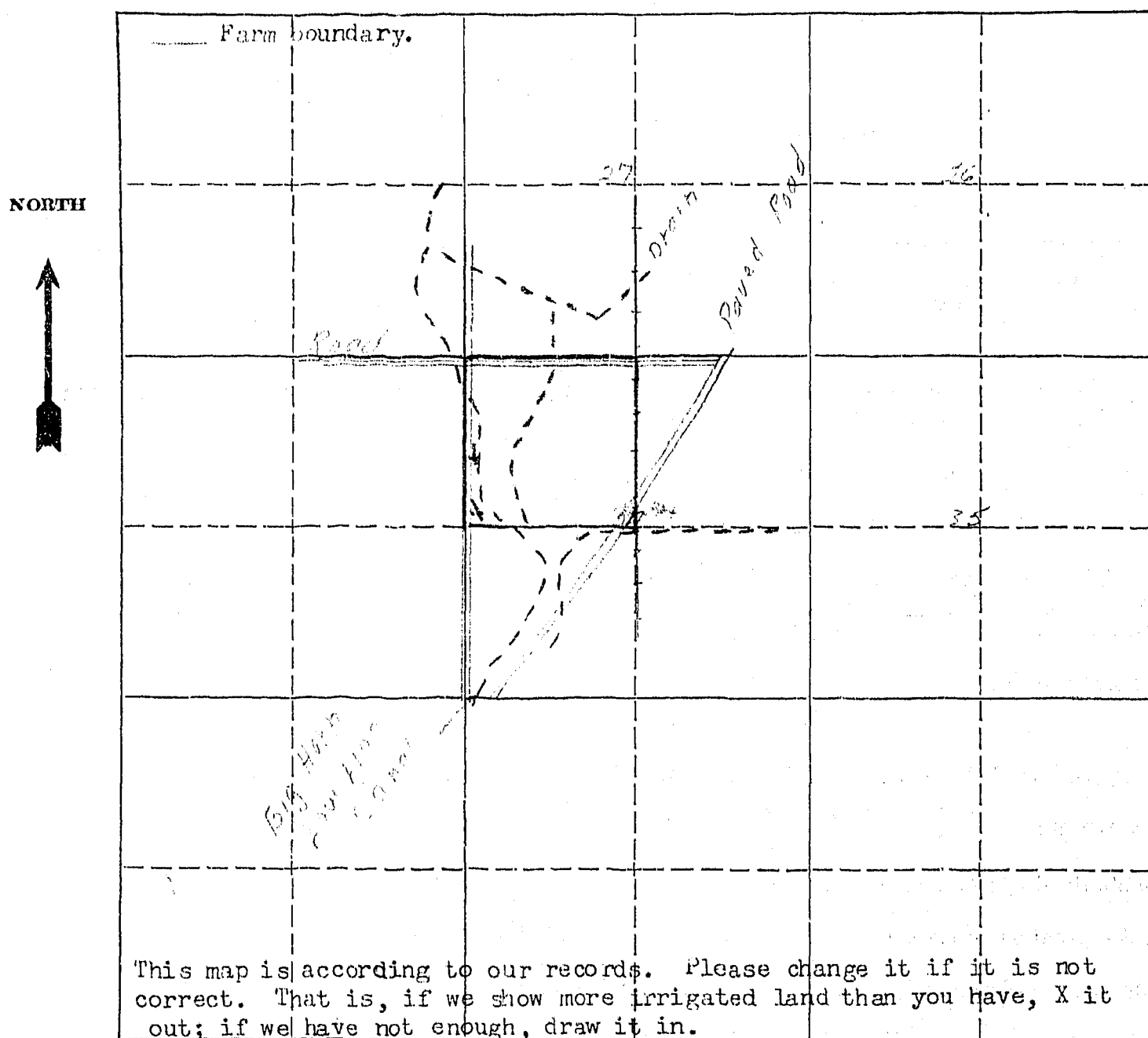
Ditch or Source	Shares	Present	Potential	Maximum	Seeped	Top. Rye
Big Horn Low Line	133	133	0	133	0	2 Ar. 33 E.
Two Leggins	0	0	0	0	0	

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.....NW<sup>1</sup>, Sec. 34 - T. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>_____ Farm boundary.</p> <p>NORTH</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.

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: Big Horn Low Line Acres: 133

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Alex Adler Address Hardin, Montana. Date 1-15-46

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. 162

Owner Wm. Noel

Address London, Mont.

AAA Owner " "

Address " "

Operator " "

Address " "

New Owner

Address

New Operator

Address

Assessment Record NW 1/4 Sec. 34 2 N. 33 E.

Assessed Acreage 160.0

Legal Description of This Farm NW 1/4 Sec. 34 2 N. 33 E.

Total Acres in Farm 160.0

Code Number 34 B

Photo No. 343-82-63

AAA Contract No. 190

AAA Total Cropland Acreage 134.1

App. No. 335-336-337-338-345

Decree No.

Land is located in

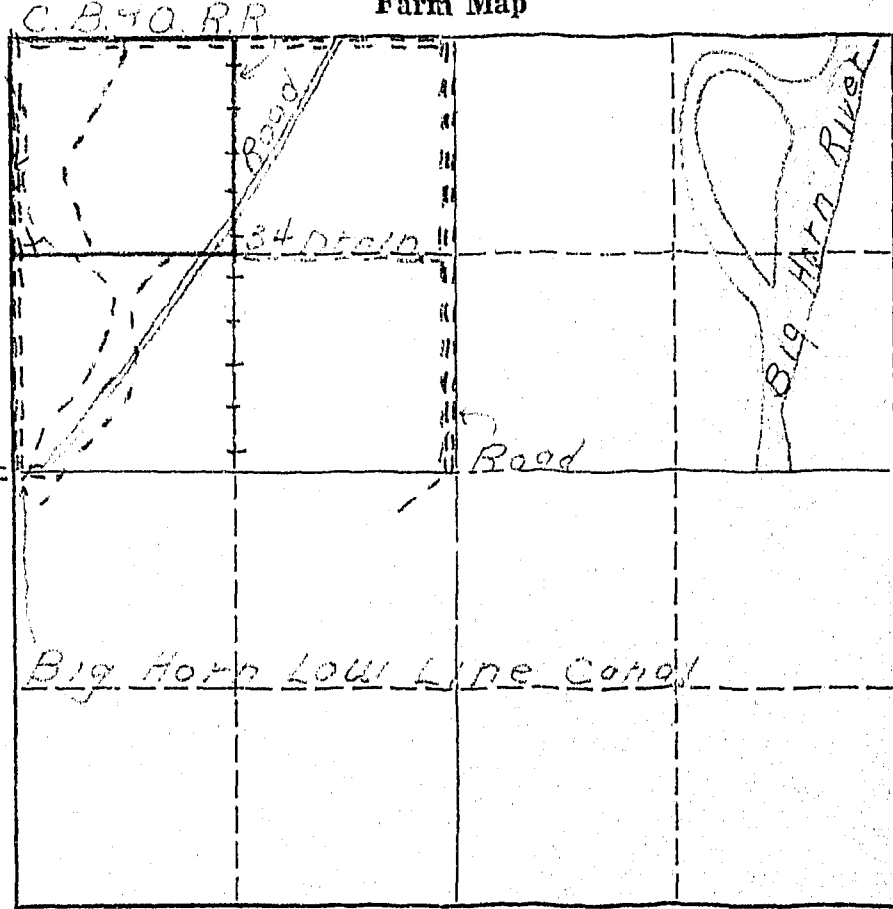
Twp. 2 N. Rge. 33 E. Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2 N. Rge. 33 E.

Remarks

Farm Map



January 9, 1945

Alex Adler  
Hardin, Montana

Dear Mr. Adler:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

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Mr. Alex Adler

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

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On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water User's Assn. (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards and R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

W.F. 3116

# 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. 276 County San Diego Twp. 3 North Rng. 3 East

Name of Owner H. H. H. H. Address 123 Main St.

Name of Operator Adair, H. C. Address Hardin, Mo.

Total Number of Acres in Farm 140 Number of Acres Irrigated in 1940 134 *Flow line 100*

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 1/4 Sec 34 T14N R10E S17

A 6x6 grid of squares. The bottom-left square (row 6, column 1) contains the letter 'A' and the number '31'. The grid is composed of solid lines for the outer border and dashed lines for the internal divisions.

LC 160  
 2 Eggs 34  
 C. C. 126

700-1000



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Form WR-1--10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 15 A

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Adler, Jake

Address Hardin, Montana

Name of Operator Adler, Jake

Address Hardin, Montana

## Part A

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

1. Water is delivered by: *Low Line Ditch Co. and Two Leggin Ditch Co.*  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. *160* Shares you hold. *160*
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. *1908*
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: *Big 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? *160* Date *Continuously*
12. How many acres did you irrigate in 1945? (Crop and pasture) *160*
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 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? *Fair*
16. Is your water supply adequate? Yes ☒ No ☐ Explain *with exception of 1 or two yrs.*
17. REMARKS: *I have 34 shares under Two Leggin Ditch and 126 " " Low Line Ditch*


*Jake Adler*  
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. NE<sup>1</sup>/<sub>4</sub>, Sec. 15 - T. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>----- Farm boundary.</p>	
	<p>7 10 11</p>	
	<p>16 15 14</p>	
	<p>Big Horn Low Line Canal</p>	
	<p>Road</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: Two Leggers Acres: 34

Ditch: Big Horn Low Line Acres: 126

Information supplied by:

Name Jake Adler Tynard Address \_\_\_\_\_ Date 1-24-46

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.

STATE ENGINEERS OFFICE  
Water Resources Survey

Two Leggins W.U.A..

Notice of Appropriation

1. County.....Big Horn..... Book.....A..... Page.....53..... Record.....Misc.....
2. Name of Appropriator.....Edwards,J.E..et.al..... Address.....Yellowstone County, Mont.....
3. Date Appropriated.....6/11/09..... Date Filed.....6/15/09.....  
Amount Appropriated, Miners Inches....., Cubic Feet per second.....600.....
4. Name of Stream.....Big Horn River..... Tributary..... Basin.....
5. Point of Diversion.....  
Head-gate in S E<sub>1</sub>  
Sec. 20 Twp. 2 S Rge. 33 E Bank of Stream.....
6. Purpose.....Irrigation, domestic and water-power.....
7. Description of System.....Concrete head-gate with 5 gates 6 ft.wide, 6 ft.deep.  
Canal 33 ft.bottom, 51 ft.top 6 ft.deep. Runs N.E.....
8. Land Description of Intended Place of Use.....Twp. 2 S Rge. 33 E  
1 S 33 E  
1 N 33 E  
2 N 33 E  
3 N 33 E  
3 N 34 E
9. Remarks (Pertaining to Use, etc.).....Selling and disposing of surplus water  
et.al=R.E.Shepherd,C.M.Bair, and J.E.Edwards.....

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

COUNTY Big Horn

FILE NO. 143

Owner Edgar T. Johnson Address Hardy, Mont.

AAA Owner Edgar T. Johnson Address "

Operator " Address "

New Owner " Address "

New Operator " Address "

Assessment Record NE 1/4 Sec. 15 2 N. 33 E

Assessed Acreage 160

Legal Description of This Farm NE 1/4 Sec. 15 2 N. 33 E

Total Acres in Farm 160

Code Number 15A-

Photo No. 243-86

AAA Contract No. 269

AAA Total Cropland Acreage 138.5

App. No. 335-336-337-339-345

Decree No. "

Land is located in

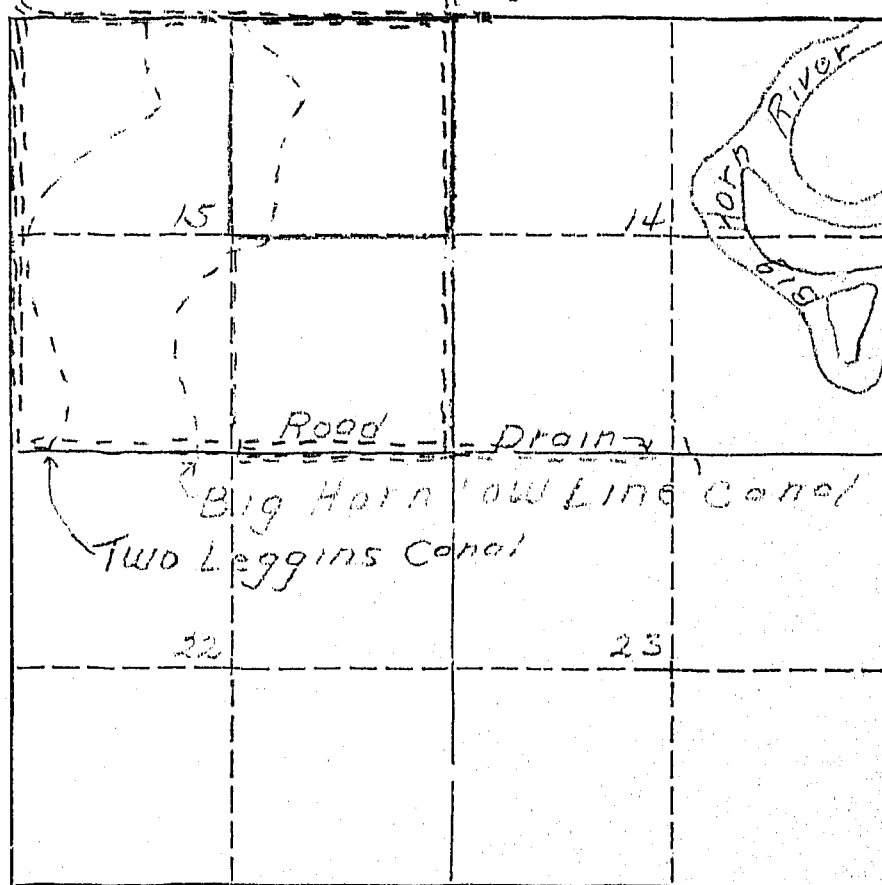
Twp. 2 N Rge. 33 E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2 N Rge. 33 E

Remarks "

Farm Map



Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. I. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

January 9, 1946

Mr. Jake Adler  
Hardin, Montana

Dear Mr. Adler:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Jake Adler

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

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. 289 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner Adler, Harold Address Billings, Mont.

Name of Operator Adler, Eric Address Hardin, Mont.

Total Number of Acres in Farm 460 Number of Acres Irrigated in 1940 138 *all cool*

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 4E 15 24 34


LC 160

2L D  
3A

2C 88 22  
C.C.

Two Legging  
Low Line



159  
STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1-10M 6-45

Code No. 28 D, 29 A, 32 A,  
4A, 33 B.  
County Big Horn  
T. 2 N. R. 33 E.  
1 N. 33 E.

Name of Land Owner Benzel, Fred Sr. Address Hardin, Montana  
Name of Operator Benzel, Fred Sr. Address Hardin, Montana

Part A

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

1. Water is delivered by: Five Heggins Water Users Ass'n  
Name of Ditch, Ditch Company or District supplying water  
2. State the number of acres you irrigate under this system 233.7 Shares you hold 22 1/2  
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 May 22, 1909  
5. Give the name of the original appropriator (first user):  
6. Give the date appropriated May 22, 1909 Amount filed on: Miners Inches C. F. S. 600  
7. State the total number of acres irrigated under this system: 233.7 acres  
8. Give the point of diversion: SE 1/4 SE 1/4 Section 20 Township 2 S Range 33 E

Part C

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

9. Source of Water: Big 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? 233.7 Date 1945  
12. How many acres did you irrigate in 1945? (Crop and pasture) 233.7 acres  
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 600 Acres This land is under what ditch? Five Heggins Water Users Ass'n  
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  
16. Is your water supply adequate? Yes ☒ No ☐ Explain except in low water season  
17. REMARKS: Five Heggins Water Users Ass'n Shares 22 1/2 Present 80.0 Potential 0 Maximum 80.0 Seeped 0 Twp 2 N. 33 E.  
Big Horn River Shares 9.7 Present 0 Potential 9.7 Maximum 0 Seeped 0 Twp 2 N. 33 E.  
Five Heggins Water Users Ass'n Shares 144.0 Present 7 Potential 151.0 Maximum 0 Seeped 0 Twp 1 N. 33 E.

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  $\text{SWSE}\frac{1}{4}$ ,  $\text{S}\frac{1}{2}\text{SW}\frac{1}{4}$ ,  $\text{NWSW}\frac{1}{4}$ , Sec. 28 -  $\text{SE}\frac{1}{4}$ , Sec. 29 -  
 $\text{N}\frac{1}{2}\text{NE}\frac{1}{4}$ ,  $\text{SENE}\frac{1}{4}$ , Sec. 32 -  $\text{NW}\frac{1}{4}$ ,  $\text{NWSW}\frac{1}{4}$ , Sec. 33 - T. 2 N., Rge. 33 E.,  $\text{NE}\frac{1}{4}$ , Sec. 4 - T. 1 N., R. 33 E.

IRRIGATED LAND

NON-IRRIGATED LAND

Farm boundary.

30

31

32

33

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100

Headgate

Wagon Box Canal

Two Legins Canal

Road

Paved Road

Big Horn

Low Line Canal

Twp Line

2N-33E

1N-33E

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: Two 7 eggins Water 9/15/1919 Acres: 224

Ditch: *n. Vassar Box, a branch of the Two Leggin Water* Acres: *9.7,*

Information supplied by:

Name Leslie Address Hardy, Mont Date 1/29/46

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

Two Legging W.U.A.

Notice of Appropriation

1. County.....Big Horn..... Book.....A..... Page.....53..... Record.....Misc.....
2. Name of Appropriator.....Edwards, J. E. et al..... Address.....Yellowstone County, Mont.....
3. Date Appropriated.....6/11/09..... Date Filed.....6/13/09.....  
Amount Appropriated, Miners Inches....., Cubic Feet per second.....600
4. Name of Stream.....Big Horn River..... Tributary..... Basin.....
5. Point of Diversion.....  
.....Head-gate in S.E.....  
Sec.....20..... Twp.....2 S..... Rge.....33 E..... Bank of Stream.....
6. Purpose.....Irrigation, domestic and water-power.....
7. Description of System.....Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep  
.....Canal 33 ft. bottom, 51 ft. top 6 ft. deep. Runs N.E.....
8. Land Description of Intended Place of Use.....Twp. 2 S Rge 33 E  
.....1 S 33 E  
.....1 N 33 E  
.....2 N 33 E  
.....3 N 33 E  
.....3 N 34 E
9. Remarks (Pertaining to Use, etc.).....Selling and disposing of surplus water.  
.....at the R. E. Shepherd, C. H. Fair, and J. E. Edwards.....

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

COUNTY Big Horn

FILE NO. 159

Owner Bernal Fred Sr Address Harding Mont.

AAA Owner Bernal Fred Sr Address "

Operator " " " Address " "

New Owner " Address "

New Operator " Address "

Assessment Record SW 1/4 Sec 28 - SE 1/4 Sec 29 - 2 N. 33 E  
N 1/4 Sec 32 - NW 1/4 Sec 33 - 2 N. 33 E

Assessed Acreage 90.0

Legal Description of This Farm SW 1/4 Sec 28 - SE 1/4 Sec 29  
N 1/4 Sec 32 - NW 1/4 Sec 33 - 2 N. 33 E.

Total Acres in Farm 640.0

Code Number 28D, 29A, 32A-33B

Photo No. 244-18, 244-19, 243-82483-

AAA Contract No. 317

AAA Total Cropland Acreage 82.7

App. No. 335-336-337-339-245

Decree No. "

Land is located in

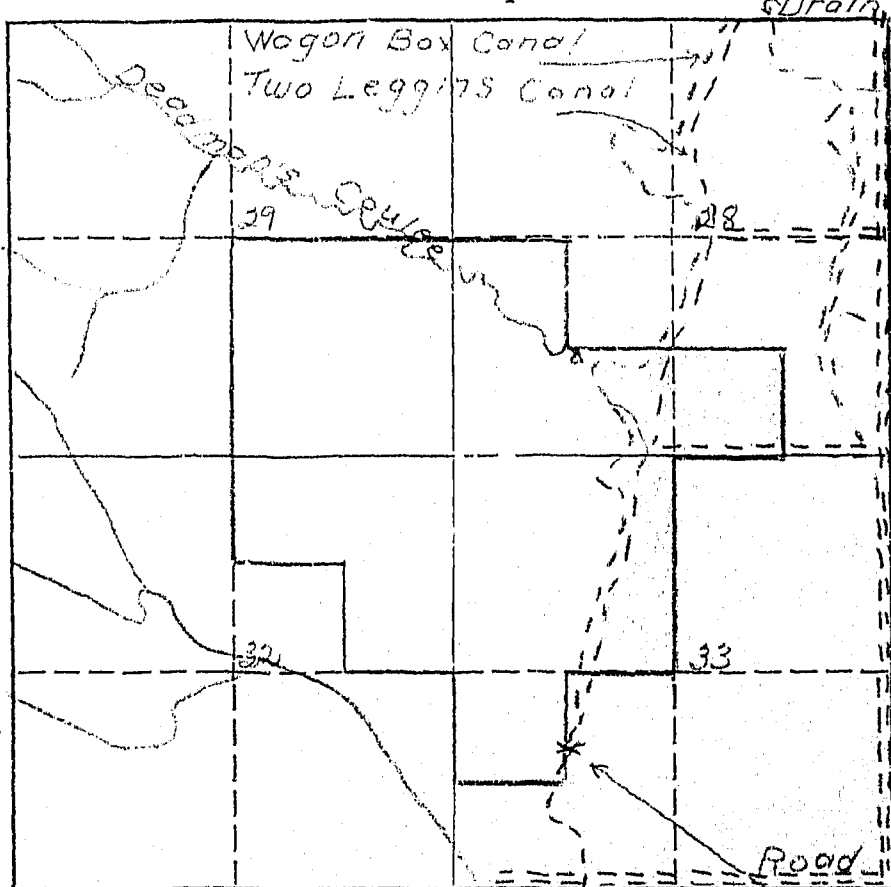
Twp. 2 N Rge. 33 E Twp. 1 N Rge. 33 E

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2 N Rge. 33 E

Remarks "

Farm Map



January 9, 1946

Fred Benzel, Sr.  
Hardin, Montana

Dear Mr. Benzel:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Fred Benzel

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible conveniences.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew filed for 750 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Page 46, Book A, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water User's Assn. (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards and R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

W.P. 3116  
No. \_\_\_\_\_

A Study of Montana's Water Resources

Form WR-4

28 D  
29 A  
31 A  
33 A

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

A.A.A. Contract No. 317 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner Denzel E. Smith Address Hardin, Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 640 Number of Acres Irrigated in 1940 83

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.

*all 2 begin*

Legal Description \_\_\_\_\_


LC 66 (28)  
0 (29)  
0 (31)  
51 (33)  
123

*Two 1/2 miles*

10  
26  
66



142

Form WR-1-10M 845

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 23 C - 14 C

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Big Horn County Address Hardin, Montana  
c/o Elizabeth Carper  
Name of Operator King, W. D. Address Hardin, Montana

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

1. Water is delivered by: Big Horn Lower Line  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 100 Shares you hold 155
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: Big 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? 100 Date
12. How many acres did you irrigate in 1945? (Crop and pasture)
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 37.3 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? Big Horn Lower Line
16. Is your water supply adequate? Yes No Explain
17. REMARKS:

OVER



## DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm. R<sup>1</sup>N<sup>1</sup>E<sup>1</sup>, Sec. 23 - Twp. 2 N., Rge. 33 E.

S. 31E, Sec. 14 - W. 1/4, Sec. 23 - Twp. 2 No. Rge. " E.

## IRRIGATED LAND

### NON-IRRIGATED LAND

\_\_\_\_\_ Farm boundary.

13 14 15 16 17 22 23 24 25 26 27

Horn River

Big

Drain

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.

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: Deep 1000 ft. from corner Acres: 1.00

Ditch: ..... Acres: .....

Information supplied by:

Name Frank Chack Address \_\_\_\_\_ Date July 7, 1966

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 Buttern

FILE NO. 143

Owner Big Horn County & Elizabeth County Address Harmon, Mont.

AAA Owner Big Horn Co. Address \_\_\_\_\_

Operator Harper, Elizabeth Address Harmon, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record S<sup>2</sup>SE<sup>4</sup>, Sec. 14 - NE<sup>4</sup>, Sec. 23 - 2 N - 30 E

Assessed Acreage 60.0

Legal Description of This Farm S<sup>2</sup>SE<sup>4</sup>, Sec. 14 - NE<sup>4</sup>, Sec. 23 - 2 N - 30 E

Total Acres in Farm 160

Code Number 14 C. 23 C

Photo No. 243-15, 243-16

AAA Contract No. 8346

AAA Total Cropland Acreage - 0 -

App. No. 335-336-337-339-345

Decree No. \_\_\_\_\_

Land is located in

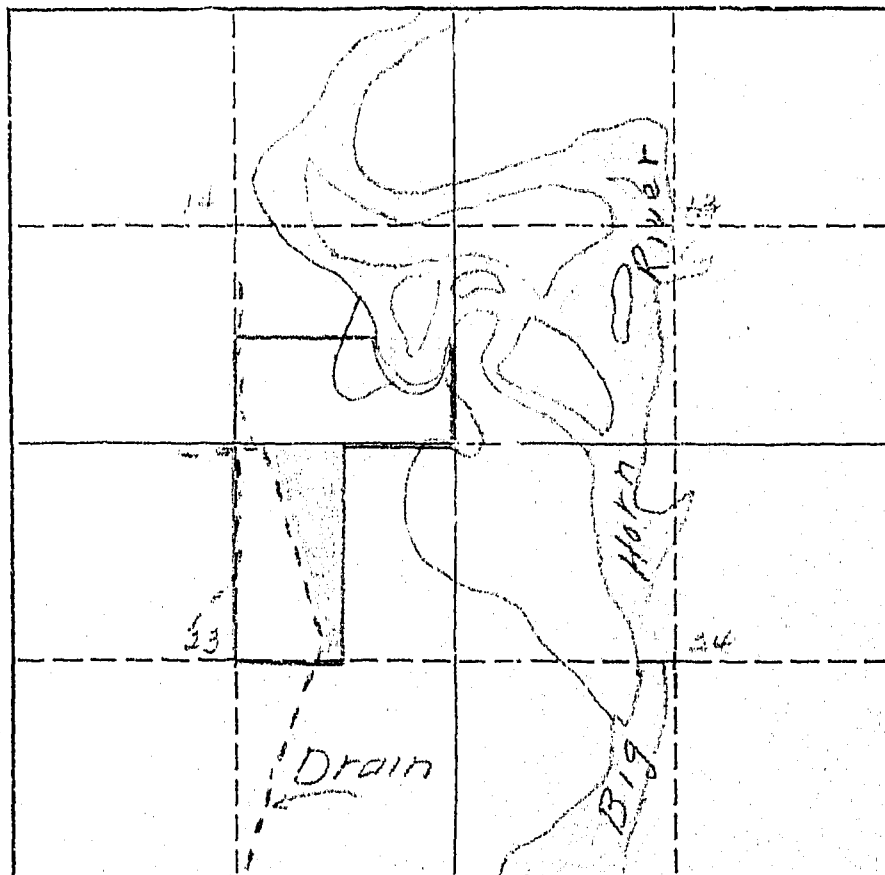
Twp. 2 N Rge. 33 E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 2 N Rge. 33 E

Remarks \_\_\_\_\_

Farm Map



January 9, 1946

Elizabeth Carper  
Hardin, Montana

Dear Madam:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Elizabeth Carper

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

According to our records, the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew filed for 750 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Page 46, Book A, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water User's Assn. (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards and R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

February 14, 1946

Elizabeth Carper  
Hardin, Montana

Dear Madam:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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. Oravetz  
Ass't State Engineer

GJO:ef:tk

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

March 4, 1946

Elizabeth Carper  
Hardin, Montana

Dear Madam:

On January 9, 1946, we sent you a letter asking for certain information pertaining to your irrigated land in Big Horn County. On February 14th, 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 the state, be investigated. The State Engineer shall, either before or after the bring 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 direction 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.

Yours very truly,

Gerald J. Oravetz  
Ass't State Engineer

GJO:pw

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 142

Owner Big Horn County Bill Roberts, Calif.

Address Harding, Mont.

AAA Owner Big Horn County

Address

Operator Henry, W. D.

Address Harding, Mont.

New Owner

Address

New Operator

Address

Assessment Record NE 1/4 Sec. 23

2 N- 33 E.

Assessed Acreage 45.0

Legal Description of This Farm NE 1/4 Sec. 23-

2 N- 33 E

Total Acres in Farm 80

Code Number 23 C

Farm Map

Photo No. 243-15

AAA Contract No. 5014

AAA Total Cropland Acreage 49.8

App. No. 335-336-337-339-345

Decree No.

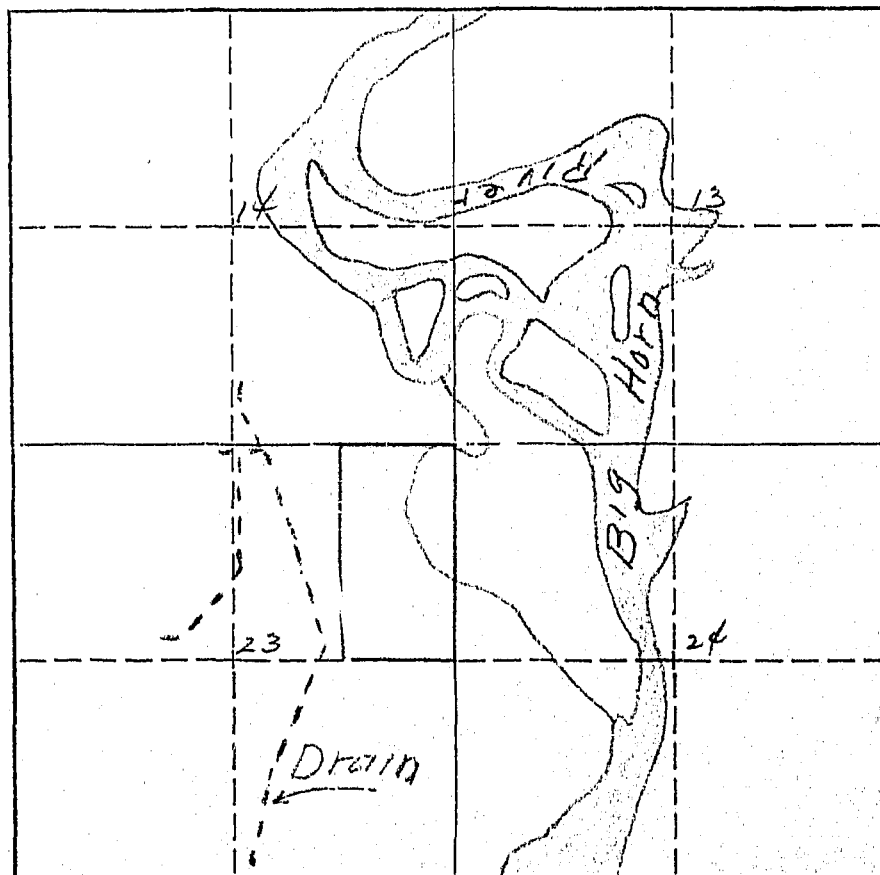
Land is located in

Twp. 2 N Rge. 33 E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2 N Rge. 33 E

Remarks







140  
**STATE OF MONTANA**  
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

Form WR-1-10M 8-45

Code No. 14 B  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Carper, Elizabeth Address 319 West 17th Street, Cheyenne, Wyo.  
c/o Mrs. James Wallace  
Name of Operator Schultz, Jake Address Hardin, Montana

**Part A**

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

1. Water is delivered by: Low Line Ditch Co  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 120 Shares you hold 155
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 1
5. Give the name of the original appropriator (first user): Francis Catto
6. Give the date appropriated Oct 28, 1907 Amount filed on: Miners Inches 10000 C. F. S.
7. State the total number of acres irrigated under this system: \_\_\_\_\_
8. Give the point of diversion 27  $\frac{1}{4}$  Section 34 Township 1 Range 33

**Part C**

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

9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping \_\_\_\_\_ Other Large Dam head gate
11. What is the greatest number of acres you have irrigated? 120 Date Feb 25, 1944
12. How many acres did you irrigate in 1945? (Crop and pasture) 120
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. \_\_\_\_\_ This land is under what ditch? Low Line Ditch Co.
14. How many acres of seeped land do you have which could be drained and put into production? 10 acres
15. What is the condition of your irrigation system? Good
16. Is your water supply adequate? Yes 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 SW<sub>1/4</sub>, Sec. 14, Twp. 2 N., Rge. 33 E.

<input type="checkbox"/> IRRIGATED LAND	<input type="checkbox"/> NON-IRRIGATED LAND
<p>----- Farm boundary.</p>	
<p>NORTH</p> <p>↑</p>	
<p>15</p> <p>Big Horn River</p> <p>Ditch</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: Big Horn Land Line Acres: 120

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Mrs James Wallace by mail Address \_\_\_\_\_ Date 2-27-46

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.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

yes  
On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

no  
On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 140

Owner Carper, Eliza, Mrs. James Wallace Address Cheyenne, Wyo

AAA Owner Carper, Eliza Address

Operator Schultz, Jace Address Hardin, Mont.

Send to  
New Owner Mrs. James Wallace Address 319-W. 17th St. Cheyenne, Wyo.

New Operator  Address

Assessment Record SW 1/4 Sec 14 - 2 No - 33 E.

Assessed Acreage 75

Legal Description of This Farm SW 1/4 Sec 14 2 No - 33 E.

Total Acres in Farm 160

Code Number 156B

Photo No. 243-15

AAA Contract No. 281

AAA Total Cropland Acreage 124

App. No. 335-336-337-339-045

Decree No.

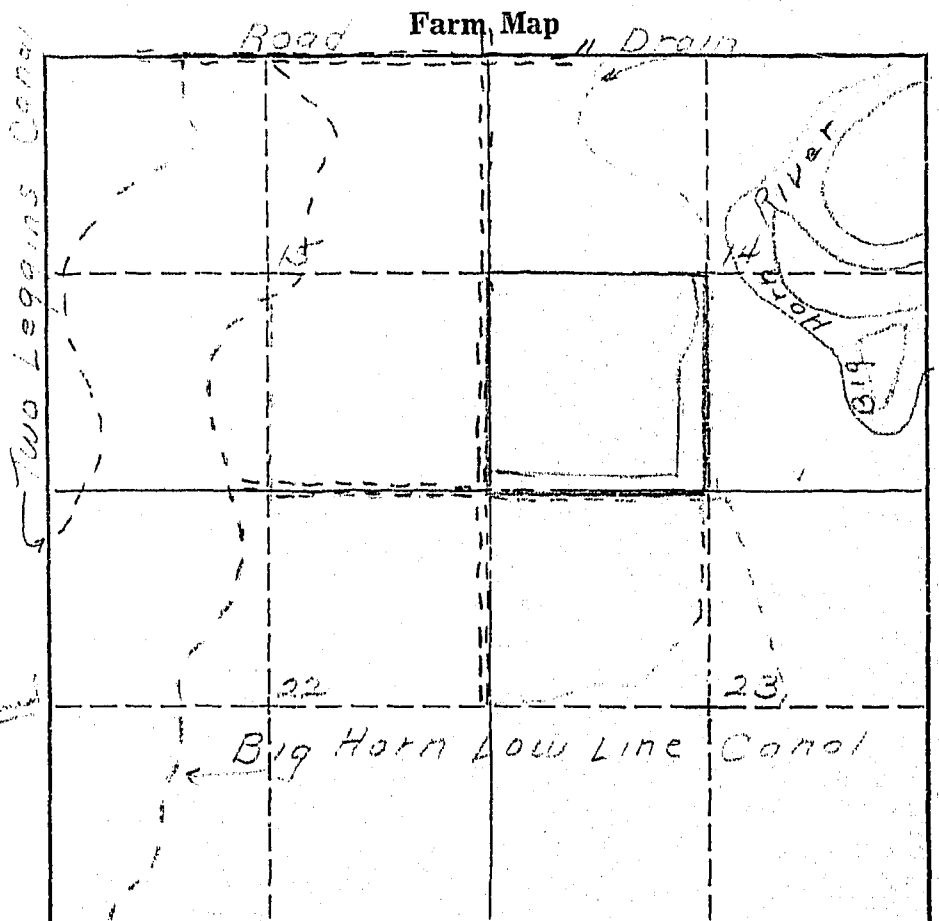
Land is located in

Twp. 2N Rge. 33E Twp.  Rge.

Twp.  Rge.  Twp.  Rge.

Filed in Twp. 2N Rge. 33E

Remarks Send to Schultz, Jace. returned



January 9, 1946

Mr. Jake Schultz  
Hardin, Montana

Dear Mr. Schultz:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 342-68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Jake Schultz

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

CJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 281 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Carper, Eltz et al. Address Hardin, Mont.

Name of Operator Williams, H.A. Address " "

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 124

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 SW 1/4 Sec 14 T2N R33E


LC 156

Outline

14



February 14, 1946

Jake Schultz  
Hardin, Montana

Dear Mr. Schultz:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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. Gravetz  
Ass't State Engineer

GJO:ef:tk

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

7  
Hardin Montana  
Feb. 18, 1946

Dear Sir,  
I am unable to give the  
information you ask for. I  
have only farmed this place one  
year and therefore think I  
and Lord Russell will be  
better equipped to give you  
this information. He has  
lived here and farmed this  
place up to March 1st 1945.  
Her address is

Mrs. James Wallace  
319 W. 17th.

Cheyenne, Wyoming

She may be gone at present  
as she was to take a trip to  
Mexico.

I'm sorry for the delay  
but was waiting for her to  
return so I could send this on  
to her.

Sincerely,  
Mrs. Jake Kelly



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Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 14 B

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Carper, Eliz. c/o Mrs. James Wallace Address Cheyenne, Wyoming

Name of Operator Schultz, Jake Address Hardin, Montana

## Part A

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

1. Water is delivered by: Low Line  
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.
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: Big 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 19...? (Crop and pasture)
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 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:

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... SW $\frac{1}{4}$ , Sec. 14 - T. 2 N., Rge. 33 E.

IRRIGATED LAND      NON-IRRIGATED LAND

— Farm boundary.

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: ..... Acres: .....

Ditch: ..... Acres: .....

Information supplied by:

Name ..... Address ..... Date .....

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.



155

WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 26 C, 27 E

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Carper, Harold & Cornelia Address Hardin, Montana  
Name of Operator Carper, Harold Address Hardin, Montana

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

1. Water is delivered by: Big Horn Low Line Canal  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 78 acres Shares you hold 50 Shares
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**

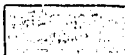
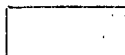

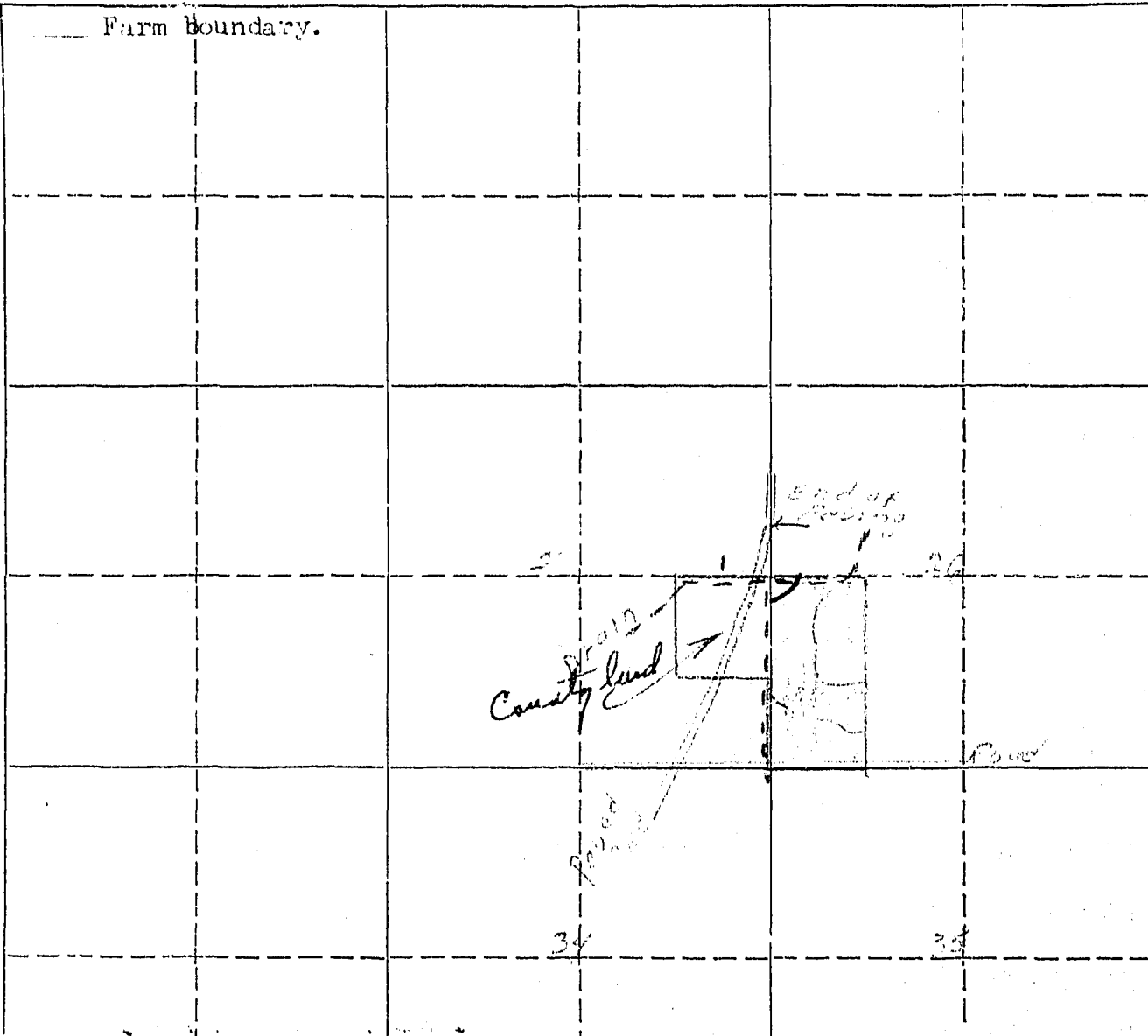
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping..... Other.....
11. What is the greatest number of acres you have irrigated? 78 acres Date 1939
12. How many acres did you irrigate in 1939? (Crop and pasture) 78 A.
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 30-39 This land is under what ditch? Big Horn Low Line
14. How many acres of seeped land do you have which could be drained and put into production? 2
15. What is the condition of your irrigation system? Good
16. Is your water supply adequate? Yes ☒ No..... Explain.....
17. REMARKS: Potential figure indicates the land that has gone back to the locality. Potentially shows 27 A.

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 W<sup>1</sup>/<sub>2</sub>SW<sup>1</sup>/<sub>4</sub>, Sec. 26; NESE<sup>1</sup>/<sub>4</sub>, Sec. 27 - T. 2 N., Rge. 33 E.

	 IRRIGATED LAND	 NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm Boundary.</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: Big Horn Lower Line Acres: 78

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Harold Carter Address Hardin Date 1-19-46

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. 155

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

AAA Owner Carper, Harold & Cornelia Address Hardin, Mont.

Operator Carper, Harold Address Hardin, Mont.

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

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

Assessment Record 1/4 NW 1/4 SW 1/4, N 1/2 NW 1/4 SW 1/4, Sec. 26 - 2 N 33 E 45 A.

NE 1/4 SW 1/4, Sec. 27 - 2 N 33 E 40 A

5/8 SW 1/4, Sec. 26 - 2 N 33 E 40 Assessed Acreage 105.0

Legal Description of This Farm 1/4 SW 1/4, Sec. 26 - NE 1/4 SW 1/4, Sec. 27 - 2 N 33 E.

Total Acres in Farm 100.0

Code Number 260-27E

Photo No. 243-17418, 243-24

AAA Contract No. 282

AAA Total Cropland Acreage 41.8

App. No. 235-334, 237-234, 342

Decree No. ....

Land is located in

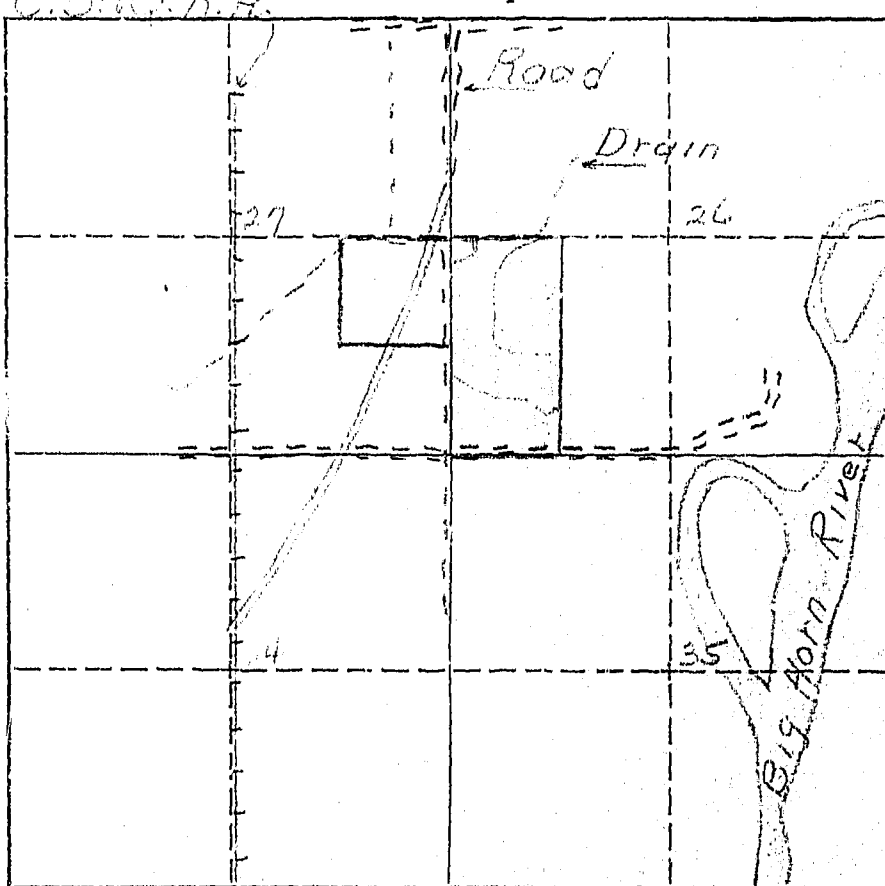
Twp. 2 N Rge. 33 E Twp. .... Rge. ....

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

Filed in Twp. 2 N Rge. 33 E

Remarks.....

Farm Map



According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. R. Hine and Thomas S. Ballew filed for 750 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Page 46, Book A, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water User's Assn. (7 directors -- C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".



January 9, 1946

Harold & Cornelia Carper  
Hardin, Montana

My dear friends:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Harold & Cornelia Carper

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January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P. S. These forms are the property of the State of Montana and must be returned.

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. 282 County Big Horn Twp. 24 North Rng. 33 East  
Name of Owner Carper Harold Address Hardin Mont.  
Name of Operator Carper Address \_\_\_\_\_  
Total Number of Acres in Farm 60 Number of Acres Irrigated in 1940 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 descrip-  
tion from county ownership records and correct boundaries if necessary.

Legal Description Section 26-24-33E


LC 47

Carper



156

Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 27 F  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Carper, Lloyd Address Hardin, Montana  
Name of Operator Carper, Lloyd Address Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn River Line Ditch Co.  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 30 Shares you hold 30
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: Big 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? 30 Date 1940
12. How many acres did you irrigate in 1941? (Crop and pasture) 20
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 10 This land is under what ditch? Same
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
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. S15E4, Sec. 27 - T. 2 N., Rge. 33 E.

☒ IRRIGATED LAND      ☐ NON-IRRIGATED LAND

NORTH

↑

Farm boundary .

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: Big Horn Low Line Acres: 20.0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Lloyd D. Carper Address Hardin Date 1-11-46

REMARKS: There are 40 acres in this farm after roads + drains are out leaving 30 acres all irrigated

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.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335) *No*

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336) *No*

On March 11, 1907, Big Horn Water Users Association (Seven directors & C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337) *No*

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339) *yes no*

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345) *yes*

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 156

Owner James Lloyd Address Mountain View

AAA Owner " Address "

Operator James Lloyd Address Mountain View

New Owner " Address "

New Operator " Address "

Assessment Record SESE, Sec 27, 2N-33E

Assessed Acreage 15.0

Legal Description of This Farm SESE, Sec 27, 2N-33E

Total Acres in Farm 80.0

Code Number 27F

Photo No. 241.74

AAA Contract No. 2807

AAA Total Cropland Acreage 37.9

App. No. 335-336-337-339-345

Decree No. "

Land is located in

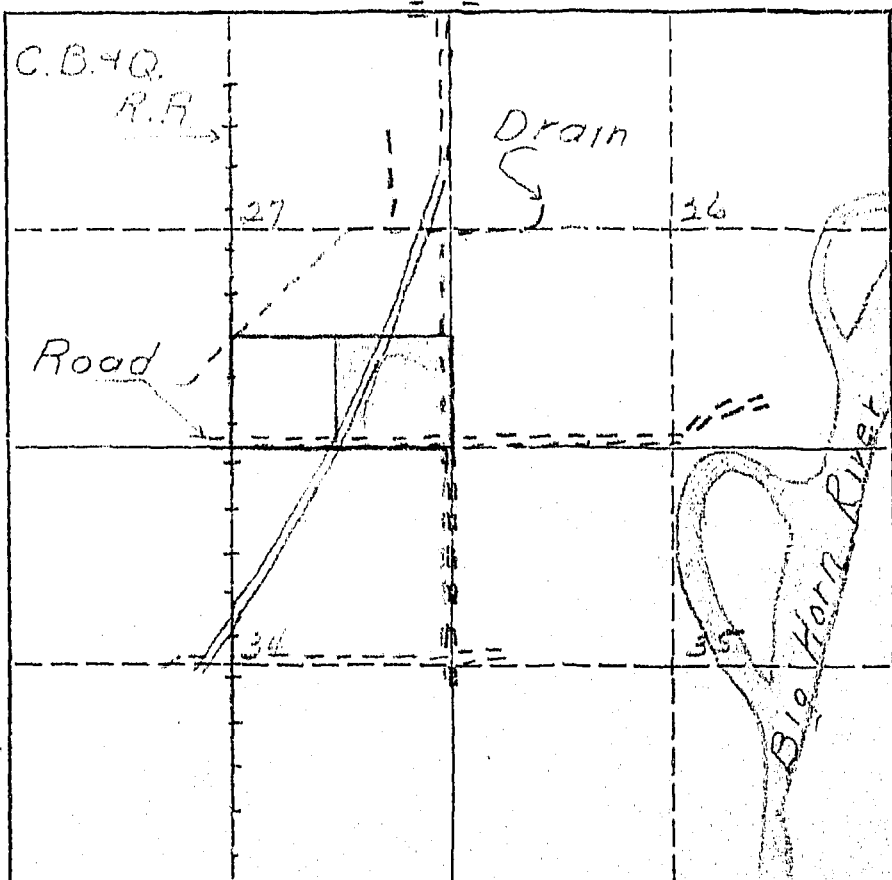
Twp. 2N Rge. 33E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2N Rge. 33E

Remarks "

Farm Map



January 9, 1946

Mr. Lloyd Carper  
Hardin, Montana

Dear Mr. Carper:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this



Mr. Lloyd Carper

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January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors & C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 270 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner James H. Martin Address Martin, Mont.

Name of Operator Carpenter, David Address " "

Total Number of Acres in Farm 80 Number of Acres Irrigated in 1940 44

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 1/4 Sec. 27 - 34 - 33 E


LL 48

Outline



149

WR-1-1024 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 22 D  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Chapman, J. W. est. Address Route 4, Hardin, Montana  
c/o Henry Frickel, Jr.  
Name of Operator Frickel, Henry, Jr. Address Rte. 4, Hardin, Montana

Part A

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

1. Water is delivered by: Lowline Ditch Co.  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 160 Shares you hold 155
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 Nov. 2, 1907
5. Give the name of the original appropriator (first user): Big Horn and Little Horn Ditch Co.
6. Give the date appropriated \_\_\_\_\_ Amount filed on: Miners Inches \_\_\_\_\_ C. F. S. 250
7. State the total number of acres irrigated under this system: 160
8. Give the point of diversion: S. E. 1/4 1/4 Section 22 Township 2 Range 33

Part C

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

9. Source of Water: Big 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? 160 Date 1937 to 1945
12. How many acres did you irrigate in 1945? (Crop and pasture) 100 crop 600 pasture
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. \_\_\_\_\_ This land is under what ditch? Lowline Ditch Co.
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 SE<sup>1</sup>, Sec. 22 - T. 2 N., Rge. 33 E.

IRRIGATED LAND

NON-IRRIGATED LAND

Farm boundary.

NORTH

24

25

25

26

Irrigated land

Road

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: Big Horse Low Line Acres: 160

Ditch: ..... Acres: .....

Information supplied by:

Name Dr. Robert M. M. M. Address 1234 Main St. Date 3/9/46

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. 144

Owner Company J.W. & Henry Fricke, Jr. Address Route 4 - Hardin, Mont.

AAA Owner Company J.W. Inc. Address

Operator Fricke, Henry Jr. Address Rte. 4 - Hardin, Mont.

New Owner  Address

New Operator  Address

Assessment Record SE 1/4 Sec. 22 - 2 N - 33 E

Assessed Acreage 160.0

Legal Description of This Farm SE 1/4 Sec. 22 - 2 N - 33 E

Total Acres in Farm 160.0

Code Number 22 D

Photo No. 243-85

AAA Contract No. 316

AAA Total Cropland Acreage 99.5

App. No. 335-336-337-339-345-15

Decree No.

Land is located in

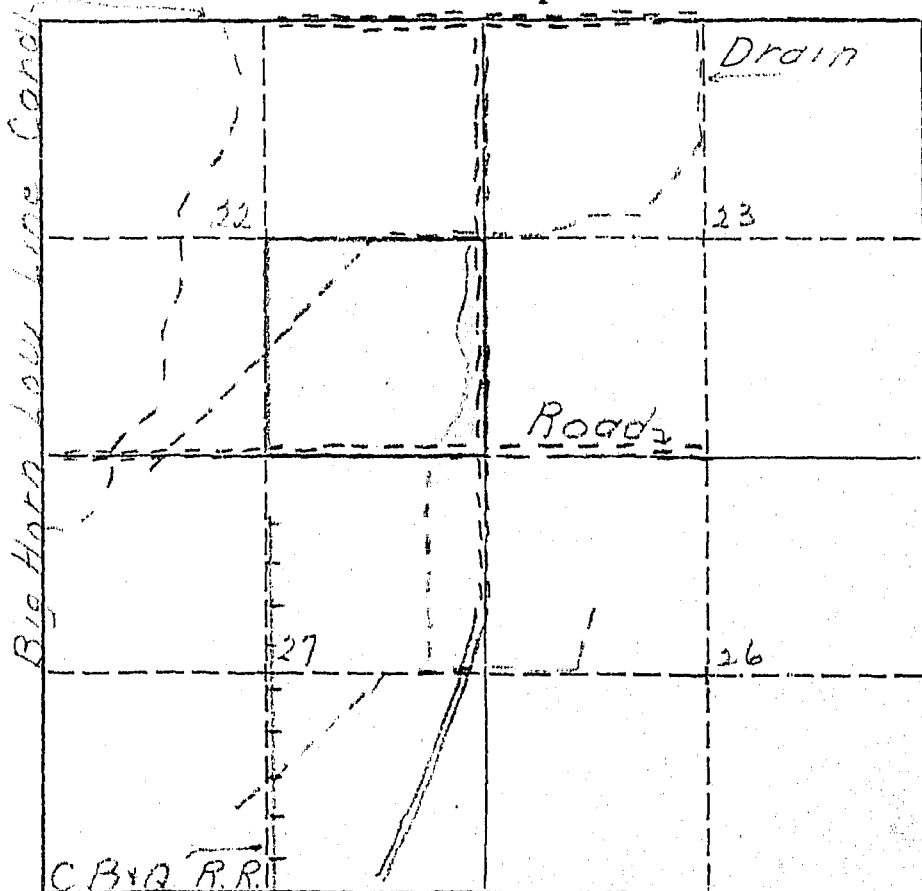
Twp. 2 N Rge. 33 E Twp.  Rge.

Twp.  Rge.  Twp.  Rge.

Filed in Twp. 2 N Rge. 33 E

Remarks Sent to Fricke

Farm Map



January 9, 1946

Henry Frickel, Jr.  
Rte. 4  
Hardin, Montana

Dear Mr. Frickel:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Henry Frickel, Jr.

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.



February 14, 1946

Henry Frickel, Jr.  
Hardin, Montana

Dear Mr. Frickel:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 53 East.

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. Oravetz  
Ass't State Engineer

GJO:ef:tk

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

March 4, 1946

Mr. Henry Frickel, Jr.  
Route #4  
Hardin, Montana

Dear Mr. Frickel:

On January 9, 1946, we sent you a letter asking for certain information pertaining to your irrigated land in Big Horn County. On February 14th, 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.

Yours very truly,

Gerald J. Oravetz  
Ass't State Engineer

GJO:pw

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew filed for 750 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Page 46, Book A, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water User's Assn. (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. C. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

On November 7, 1907, Cleoria Bacheller, filed for 10 cubic feet from the Wagon Box Coulee, recorded in Miscellaneous Records, Book A, Page 28, Big Horn County. (15)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 316 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Chapman, J. W. Inc Address Red Lodge Mont

Name of Operator Frank E. Chapman Address Red Lodge Mont

Total Number of Acres in Farm 1600 Number of Acres Irrigated in 1940 99

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 Sec 20 T2N R33E

	D				

LC 151

Outline

STATE ENGINEERS OFFICE  
Water Resources Survey

Notice of Appropriation

1. County Big Horn Book A Page 28 Record Misc.  
2. Name of Appropriator Clara Bachelder Address \_\_\_\_\_  
3. Date Appropriated 11-1-07 Date Filed 11-7-07  
Amount Appropriated, Miners Inches 400, Cubic Feet per second \_\_\_\_\_  
4. Name of Stream Wagon Box Coulee Tributary by a certain spring Basin \_\_\_\_\_  
5. Point of Diversion \_\_\_\_\_  
in the S<sup>2</sup>SE<sup>4</sup>  
Sec. 7 Twp. 4N Rge. 33E Bank of Stream \_\_\_\_\_

6. Purpose Irrigation and other  
7. Description of System dam and ditch running to reservoir in sec 17

8. Land Description of Intended Place of Use SE<sup>4</sup>, sec 16 2N-33E  
W<sup>2</sup>, NE<sup>4</sup>, SE<sup>4</sup> sec 22 2N-33E

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.) \_\_\_\_\_



168

Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 35 B

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Date, Harriet c/o Joseph Address Hardin, Montana  
Name of Operator Weinberg, Joseph J. Weinberg Address Hardin, Montana

## Part A

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

1. Water is delivered by: *Big Horn Low Line Ditch Co.*  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system *90* Shares you hold *100*
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: *Big 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? *90* Date *1941-1946*
12. How many acres did you irrigate in 1945? (Crop and pasture) *90*
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. *About 50* This land is under what ditch? *Big Horn Low Line Ditch*
14. How many acres of seeped land do you have which could be drained and put into production? *6-8*
15. What is the condition of your irrigation system? *Good*
16. Is your water supply adequate? Yes ☒ No ☒ Explain *Yes, if ditch is clear.*
17. REMARKS: *Our ditch is about 4 1/2 miles long - 5 farmers own it. Sometimes it silts up, & had to get the farmers to co-operate in doing necessary work.*

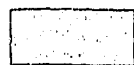
OVER

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

### DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm Lot 7, S<sup>1</sup>/<sub>2</sub>SW<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>, Sec. 35 - T. 2 N., R. 33 E.

Lot 7, S<sup>1</sup>/<sub>2</sub>SW<sup>1</sup>/<sub>4</sub>, NW<sup>1</sup>/<sub>4</sub>, Sec. 35-2N-33E

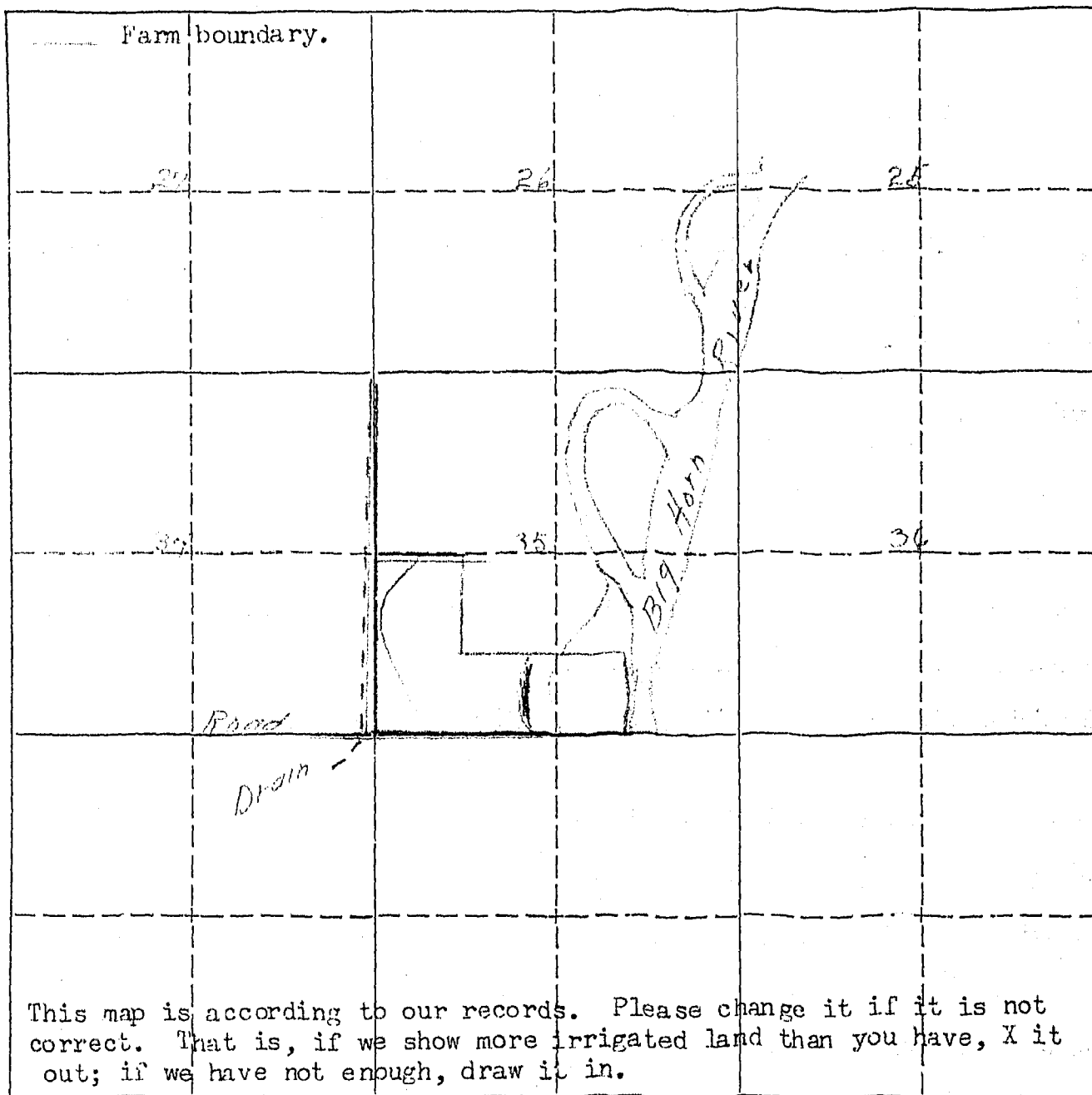


IRRIGATED LAND



NON-IRRIGATED LAND

NORTH



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: Big Horn River Acres: 90.0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name: J. S. Steinberg Address: Fairview, Mont. Date: 2-14-46

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.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors & C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

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✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

*The County Attorney tells me all of  
above appropriations are in force at the  
present time*

*Feb. 14, 1946.*

*Joe J. Quincy*



February 14, 1946

Joseph J. Weinberg  
Hardin, Montana

Dear Mr. Weinberg:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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. Oravetz  
Ass't State Engineer

GJO:ef:tk

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

**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

COUNTY... San Diego

FILE NO.....162

Owner John Arnold Toomey, Jr. Address Garden Plot

AAA Owner..... Robert Anderson

**Address.**

Operator Mr. Nelson, Joseph D.

Address.

New Owner:

### Address

### New Operator.

**Address**

Assessment Record 1077- (5" ON) NW/SE 1/4 Sec. 35- 2N 33E

Assessed Acreage..... 95.0

Legal Description of This Farm Lot 7 - S1/4 NW1/4 Sec. 35 - 2 N. 33 E.

Total Acres in Farm.....152.0

Code Number.....3563

Photo No. 245-19

AAA Contract No. 374

AAA Total Cropland Acreage.....85.7

App. No. 335-336-337-339-345

Decree No.

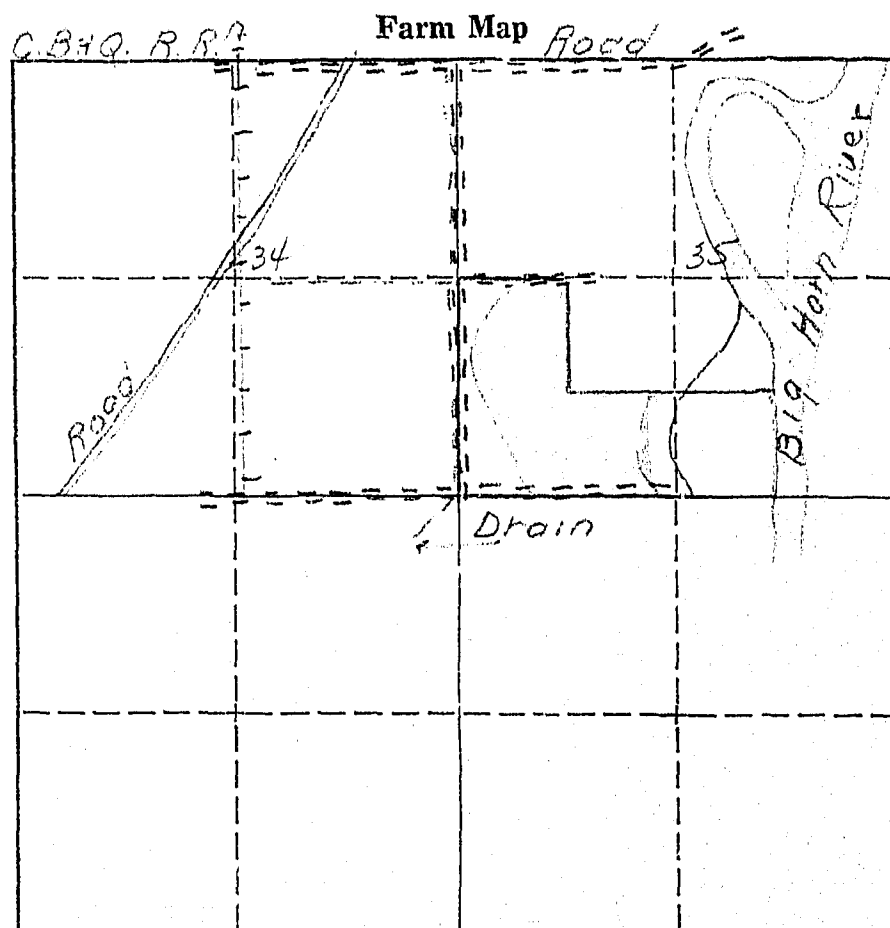
Land is located in

Twp. 2N Rge. 35E Twp. .... Rge. ....

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

Filed in Twp. 215 Rge. 33

Remarks Good to Hunting



January 9, 1946

Mr. Joseph J. Weinberg  
Hardin, Montana

Dear Mr. Weinberg:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Joseph J. Weinberg.

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

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On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 372 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Pat Peterson Address \_\_\_\_\_

Name of Operator Peterson Clarence Address Hardin, Mont.

Total Number of Acres in Farm 152.5 Number of Acres Irrigated in 1940 70

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 Lot 2, 4th 1/4, 35th 2nd 33rd


LC 82

Line 100

31  
32  
19  
8



346  
STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1--10M 8-53

Code No. 21 B. 28 A  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Dewald, Jacob Address Hardin, Montana

Name of Operator Rider, Alex & Dewald, Jacob Address Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn Low Line Ditch and Two Leggins Water Users Assn.  
Name of Ditch, Ditch Company or District supplying water  
10 acres under L.L. 20 L.L.
2. State the number of acres you irrigate under this system 120 Two L Shares you hold 20 L.L.
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 See ditch for water rights
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


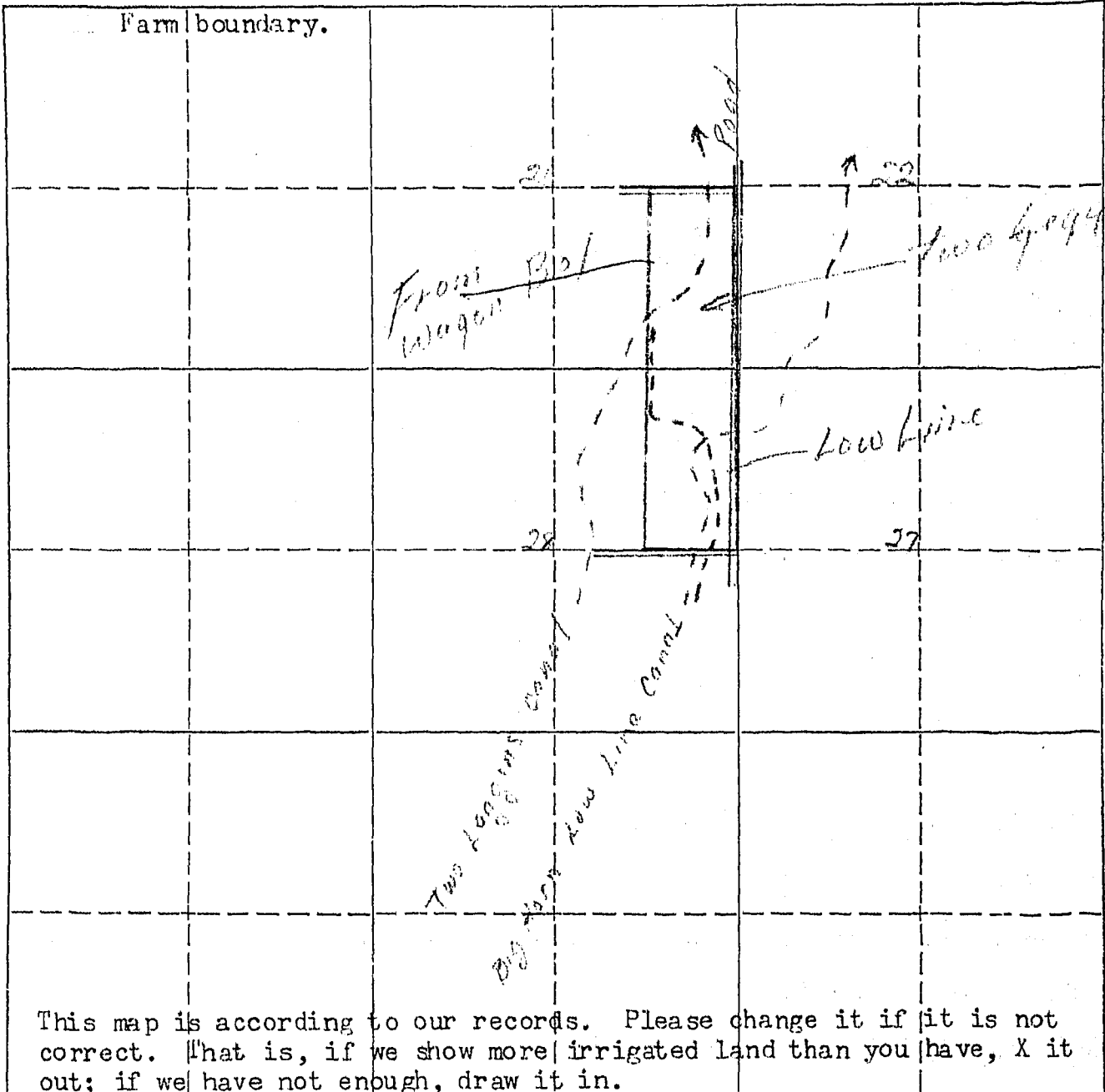
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity gravity Pumping Other
11. What is the greatest number of acres you have irrigated? 130 Date 1945
12. How many acres did you irrigate in 1945? (Crop and pasture) 130
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. none This land is under what ditch?
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
16. Is your water supply adequate? Yes x No Explain
17. REMARKS: Ditch Company Shares Percent Potential Maximum seeped Twp Rge.

Two Leggins	120	90	0	90	0	2 No. 33 E.
Big Horn Low Line	20	20	0	20	0	2 No. 33 E.
Wagon Box	20	20	0	20	0	
OVER						130

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 $\frac{1}{2}$ SE $\frac{1}{4}$ , Sec. 21 ; E $\frac{1}{2}$ NE $\frac{1}{4}$ , Sec. 28 - T. 2 N., R. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</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.

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: Two Leggins Acres: 90

Ditch: Big Horn Low Line Acres: 20

Information supplied by: Wagon Box

Name Jacob Dewald Address Hardin, Mont. Date 2/5/46

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. 346

Owner Donald, Fred Address Mountain, Mont

AAA Owner " Address "

Operator " Address "

New Owner " Address "

New Operator " Address "

Assessment Record E<sup>1</sup>SE<sup>1</sup>, 122 219 A. Sec. 21 2 No. 33E

E<sup>1</sup>NE<sup>1</sup>, Sec. 28

Assessed Acreage 128.10

Legal Description of This Farm E<sup>1</sup>SE<sup>1</sup>, Sec. 21- E<sup>1</sup>NE<sup>1</sup>, Sec. 28 - 2 No. 33E

Total Acres in Farm 137.0

Code Number 21 B, 28 A-

Photo No. 243-85

AAA Contract No. 1195 A-

AAA Total Cropland Acreage 14.1

App. No. 335 336 337 339 345

Decree No. "

Land is located in

Twp. 2 N Rge. 33 E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2 N Rge. 33 E

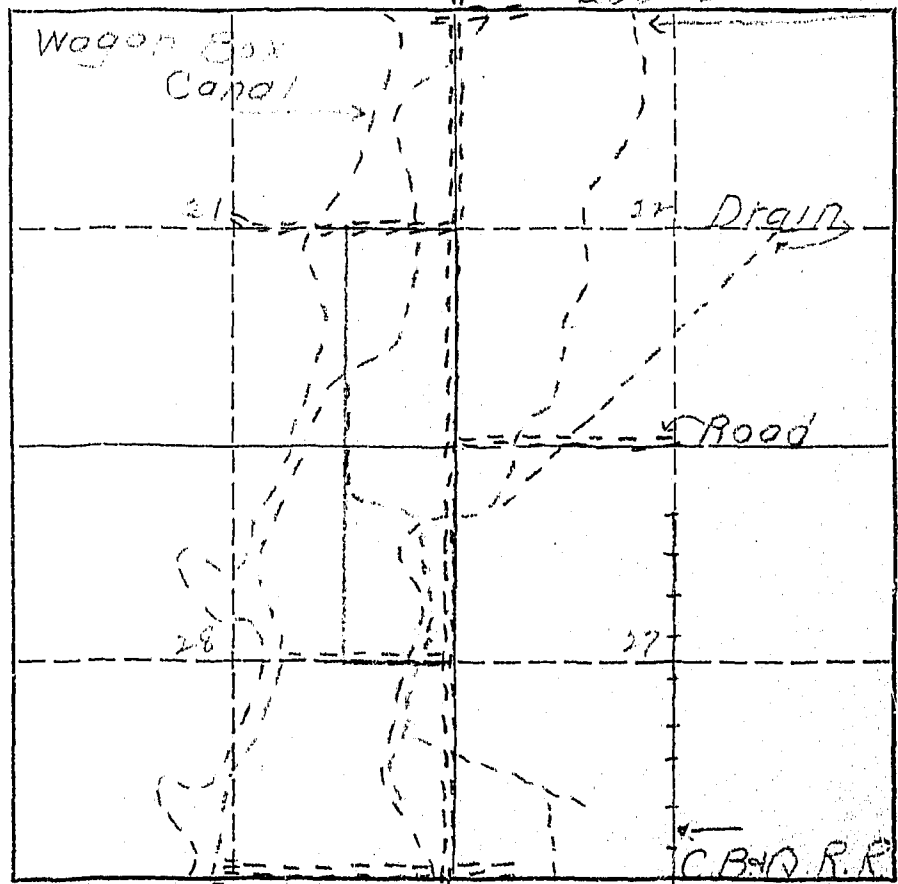
Remarks "

"

"

"

Farm Map Big Horn  
Low Line Canal



Two Leggins Canal

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 346

Owner Deard, Jacob

Address Hardin, Mont

AAA Owner

Address

Operator Rider, Alex

Address Hardin, Mont

New Owner

Address

New Operator

Address

Assessment Record 1280' 100' 212 A. Sec. 21-E NE, Sec. 28 - 2 No. 336

Assessed Acreage 128.10

Legal Description of This Farm 1/2 SE 1/4 West of N 1/4 Sec. 21 - 2 No. 336

Total Acres in Farm 23.0

Code Number 21 B

Farm Map

Photo No.

AAA Contract No. 1193 B

AAA Total Cropland Acreage 32.4

App. No. 335 336-337-338-345

Decree No.

Land is located in

Twp. 2 N Rge. 32 E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2 N Rge. 32 E

Remarks

	21		22
	28		27

January 9, 1946

Jacob Dewald  
Hardin, Montana

Dear Mr. Dewald:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,395.80 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Jacob Dewald

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

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On March 11, 1907, the Big Horn Water User's Assn. (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 1193 County Big Horn Twp. 3 North Rng. 33 East

Name of Owner Donald J. Smith Address Hardin, Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 129

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 E 1/2 Sec 21, 2 NE 1/4 Sec 28, 2N-3E


LC 80 (21)  
80 (28)  
160  
Lowline 20  
WB 20  
28 120

Two 1-29  
Wagon  
Lowline



152  
**STATE OF MONTANA**  
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

Form WR-1-10M 8-46

Code No. 24 B  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Ephland, H. J. Address State Highway Dept., Billings, Mont.  
Name of Operator Ephland, H. J. Address \_\_\_\_\_

**Part A**

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

1. Water is delivered by: Big Horn Ditch Company  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. \_\_\_\_\_ 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: 1/4 Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

**Part C**

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


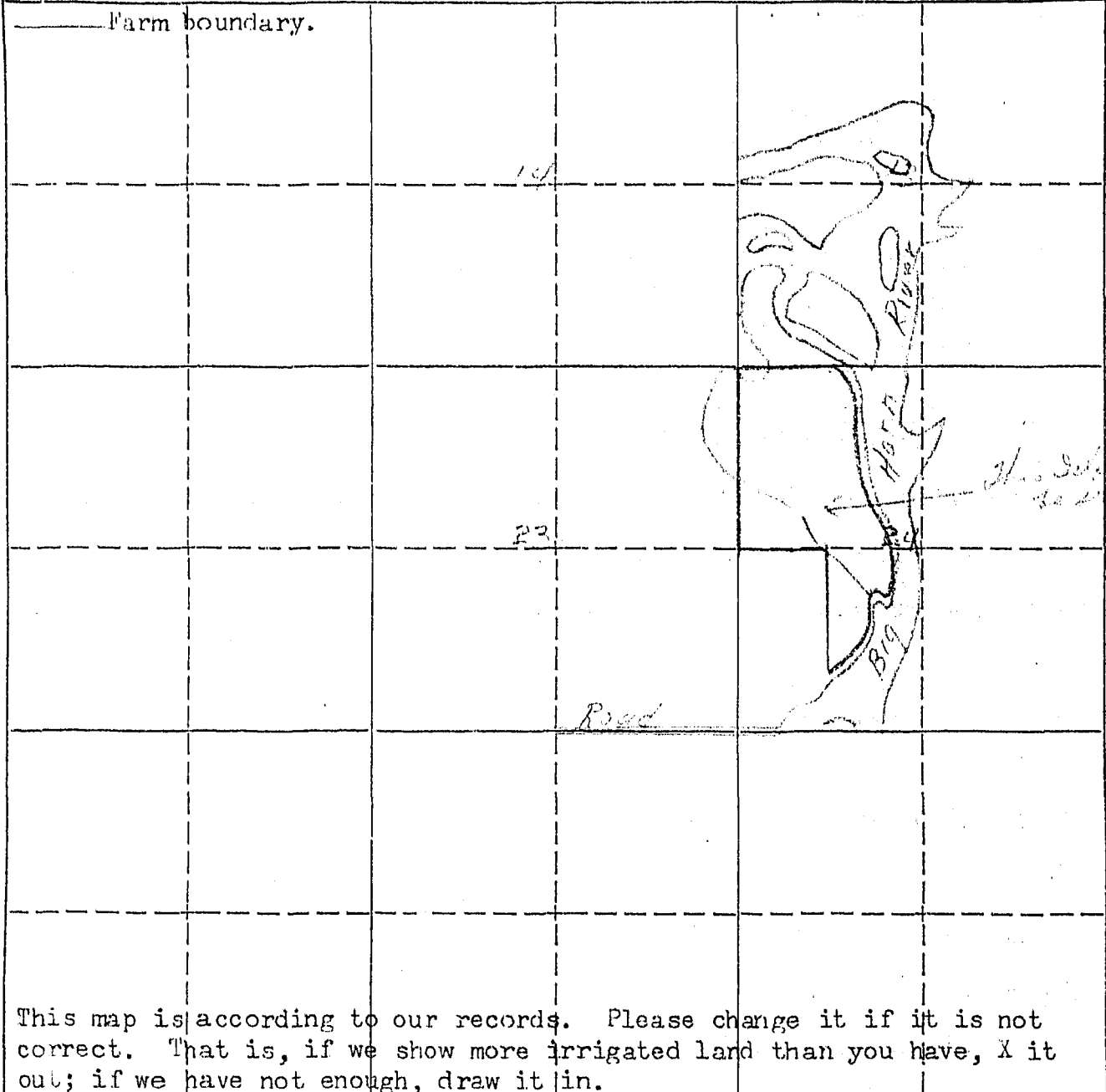
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping \_\_\_\_\_ Other \_\_\_\_\_
11. What is the greatest number of acres you have irrigated? 23 Date 1935
12. How many acres did you irrigate in 1945? (Crop and pasture) 0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 140 *total - that is, the 23 that used to be irrigated* This land is under what ditch? Big Horn Low Line
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: There used to be a private ditch that served the  
23 ac. that was, since that now would be under the B.H.L.L.

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. lots 2, 3, 6, W<sup>1</sup>/<sub>2</sub> NW<sup>1</sup>/<sub>4</sub>, Sec. 24 - Twp. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>— Farm boundary.</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: \_\_\_\_\_ Acres: 0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name R. E. Smith Address Billings, Mont. Date 1-15-46

REMARKS: Taken by M. E. Smith

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.



According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew filed for 750 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Page 46, Book A, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water User's Assn. (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Highway

FILE NO. 152

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

AAA Owner Ephraim M. J. Address State Highway Dept. Billings, Mont.

Operator Ephraim M. J. Address.....

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

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

Assessment Record None

Assessed Acreage.....

Legal Description of This Farm 10<sup>+</sup> 23.6, 10<sup>+</sup> 710<sup>4</sup>, Sec. 24 - 2 N, 33 E

Total Acres in Farm 144

Code Number 24 B

Photo No. 243-16

AAA Contract No. 8381

AAA Total Cropland Acreage 0

App. No. 335-336-337-338-345

Decree No. ....

Land is located in

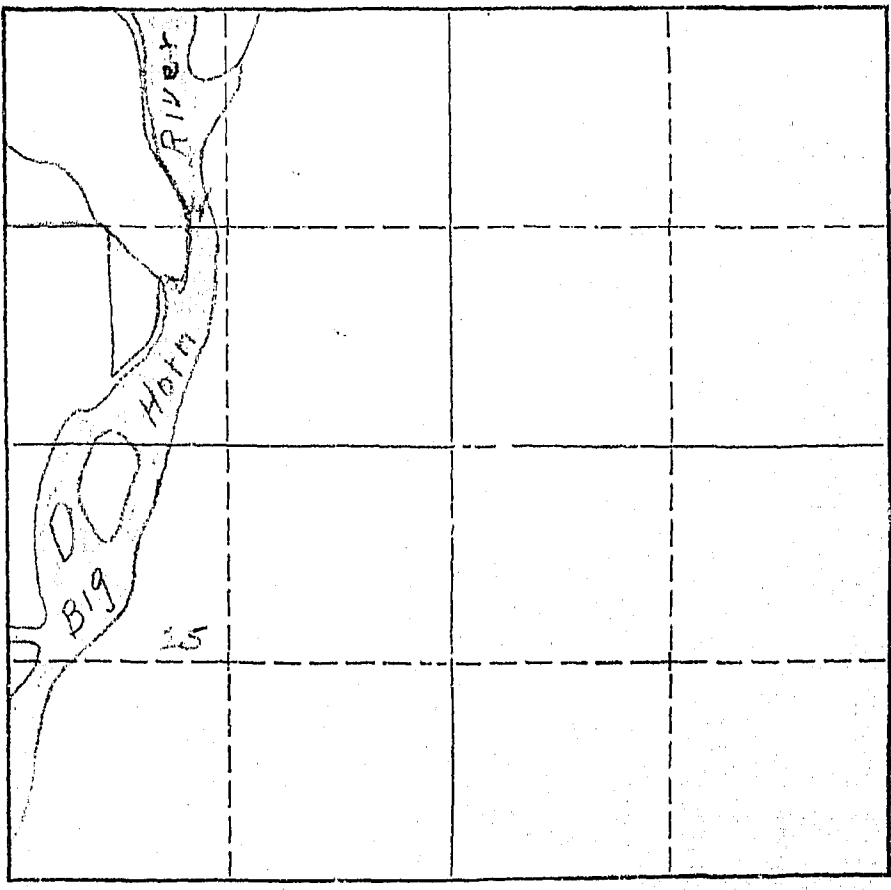
Twp. 2 N Rge. 33 E Twp. .... Rge. ....

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

Filed in Twp. 2 N Rge. 33 E

Remarks.....

Farm Map



According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballow filed for 750 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Page 46, Book A, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

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On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

January 9, 1946

R. J. Ephland  
State Highway Dept.  
Billings, Montana

Dear Mr. Ephland:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. R. J. Ephland

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January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P. S. These forms are the property of the State of Montana and must be returned.

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. \_\_\_\_\_ County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Ephland, R.J. Box 1243 Address Billings, Mont.

Name of Operator \_\_\_\_\_ Address \_\_\_\_\_

Total Number of Acres in Farm 143.51 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 lots 2, 3, 6, 7, 11, 12, 14, 15, 24-2N-33E  
Not in program None irrigated.


LC 22

Low line  
Not in program



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Form WR-1--10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 27 C, 28 C

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Eder, Charles S. Address Hardin, Montana

Name of Operator Rider, Alex Address Hardin, Montana

## Part A

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

1. Water is delivered by: *Two Leggins Water Users Association, Wagon Box*  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system: *170* Shares you hold: *170*
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: *May 22, 1909.*
5. Give the name of the original appropriator (first user): *R. E. Shepard, J. E. Edwards & C. M. Bair.*
6. Give the date appropriated: *May 22, 1909.* Amount filed on: Miners Inches: *600* C. F. S. *600*
7. State the total number of acres irrigated under this system: *25,000*
8. Give the point of diversion: *SE 1/4, SE 1/4 Section 20, Township 2S, Range 33.*

## Part C

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

9. Source of Water: *Big 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? *40* Date: *July, 1945.*
12. How many acres did you irrigate in 1943? (Crop and pasture) *170*
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. This land is under what ditch? *Above 3 named ditches*
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: *Except low season*
17. REMARKS: *Appropriation made for Two Leggins Water Users Assn. by R. E. Shepard, J. E. Edwards and C. M. Bair on May 21, 1909 - Appropriation made for Big Horn Town Line on Nov. 7, 1907 -*

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 W<sup>1</sup>/<sub>4</sub>SW<sup>1</sup>/<sub>4</sub>, Sec. 27 - E<sup>1</sup>/<sub>4</sub>SE<sup>1</sup>/<sub>4</sub>, Sec. 28; SW<sup>1</sup>/<sub>4</sub>NE<sup>1</sup>/<sub>4</sub>, Sec. 28  
Twp. 2 N., Rge. 33 E.

IRRIGATED LAND

NON-IRRIGATED LAND

\_\_\_\_\_ Farm boundary.

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: Two Leggin Water Users Ass'n Acres: 40  
Wagon Box Ditch Acres: 10  
 Ditch: Big Horn River Acres: 120

Information supplied by:

Name Two Leggin Water Users Ass'n. Address Hardin, Montana. Date 1/29/1946.

REMARKS: Ditch or Source Shares Present Potential Maximum Second Crop

Ditch or Source	Shares Present	Potential	Maximum	Second Crop	Remarks
<u>Big Horn River</u>	<u>120</u>	<u>120</u>	<u>0</u>	<u>120</u>	<u>2 No. 33E</u>
<u>Two Leggin</u>	<u>40</u>	<u>40</u>	<u>0</u>	<u>40</u>	<u>" "</u>
<u>Wagon Box</u>	<u>10</u>	<u>10</u>	<u>0</u>	<u>10</u>	<u>" "</u>

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. 156

Owner Eder, Charles Address Hardin, Mont.

AAA Owner " Address "

Operator Rider, Alex Address Hardin, Mont.

New Owner " Address "

New Operator " Address "

Assessment Record W 35W 4 Sec. 27 E 2SE 4 Sec. 28 2N 33E

Assessed Acreage 85.0

Legal Description of This Farm W 35W 4 Sec. 27 E 2SE 4 Sec. 28 2N 33E

SE 1/4 Sec. 27 2N 33E

Total Acres in Farm 240.0

Code Number 27C - 28C

Photo No. "

AAA Contract No. 387-21134-3606

AAA Total Cropland Acreage 129.6-59-100

App. No. 16-385-386-387 389-345

Decree No. "

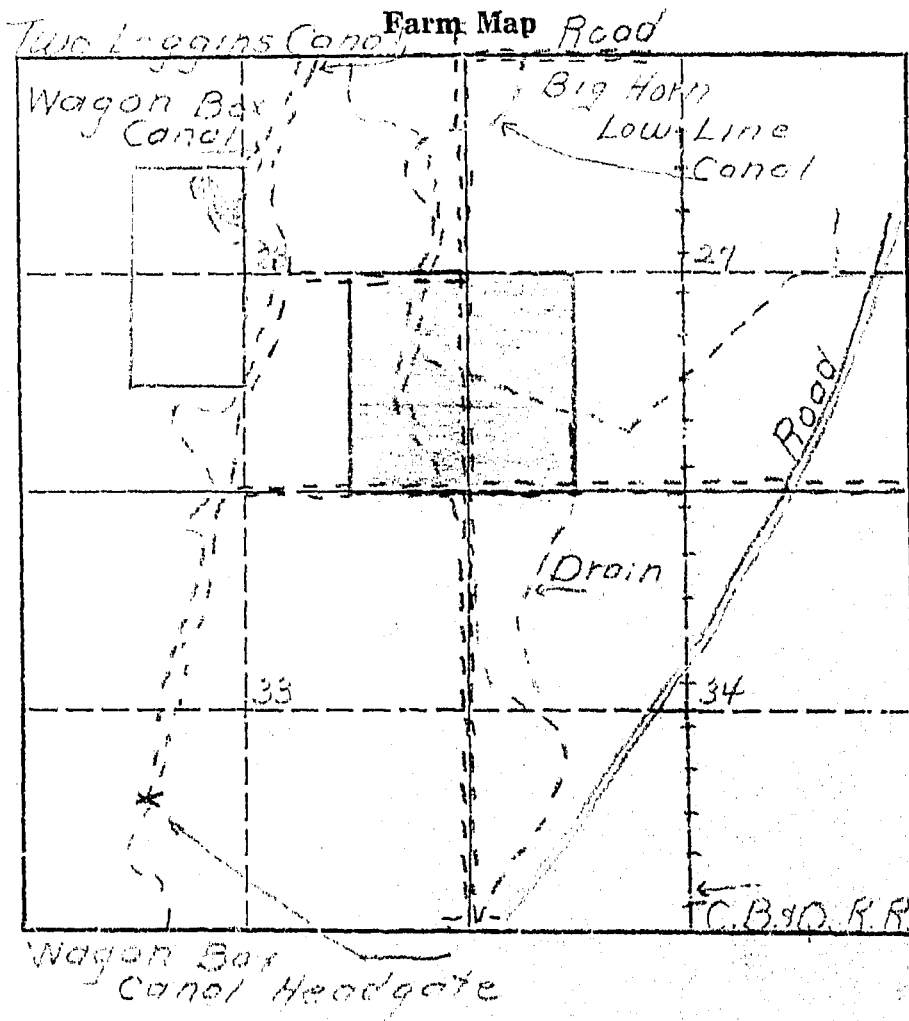
Land is located in

Twp. 2N Rge. 33E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2N Rge. 33E

Remarks "



January 9, 1946

Mr. Charles Eder  
Hardin, Montana

Dear Mr. Eder:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. Those rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Charles Eder

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

STATE ENGINEERS OFFICE  
Water Resources Survey

Two Leggins W.U.A.

Notice of Appropriation

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches 600, Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary Basin
5. Point of Diversion Head-gate in S E  
Sec. 20 Twp. 2 S Rge. 33 E Bank of Stream
6. Purpose Irrigation, domestic and water-power.
7. Description of System Concrete head-gate with 5 gates 6 ft.wide, 6 ft.deep  
Canal 33 ft.bottom, 51 ft.top 6 ft.deep. Runs N E.
8. Land Description of Intended Place of Use Twp. 2 S Rge 33 E  
1 S 33 E  
1 N 33 E  
2 N 33 E  
3 N 33 E  
3 N 34 E
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.  
et al= R.M. Shepherd, C.M. Bair, and J.E. Edwards.

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.)

Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 43, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County; (345)

On June 6, 1917, Samuel and John T. Young filed for 200 Miners Inches from Two Leggins Canal Waste, recorded in Miscellaneous Records, Book 1, Page 343, Big Horn County. (16)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

W.P. 3216  
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. 577 County Glacier Twp. 14 Rng. 3

Name of Owner Edgar J. S. Address Hardin Mont.

Name of Operator Ryder, Wm. Address " "

Total Number of Acres in Farm 1600 Number of Acres Irrigated in 1940 150 <sup>28</sup> <sub>90</sub>

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 N 1/2 Sec 27 T 14 N R 3 E


SM-1  
120  
LC 80 (27)  
80 (28)  
160  
280 40  
120

100  
100

By A. J. Young

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County Big Horn Code No. \_\_\_\_\_

1. Water User Charles E. Edmond Address \_\_\_\_\_

2. Stream \_\_\_\_\_ Tributary \_\_\_\_\_

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

4. Description of System Low Line Ditch

5. Original Appropriator \_\_\_\_\_ Address \_\_\_\_\_ Date \_\_\_\_\_

6. First Use: Date \_\_\_\_\_ No. Acres Irrigated \_\_\_\_\_

Other Use \_\_\_\_\_ Date \_\_\_\_\_

7. Maximum Use: Date \_\_\_\_\_ No. Acres Irrigated 120

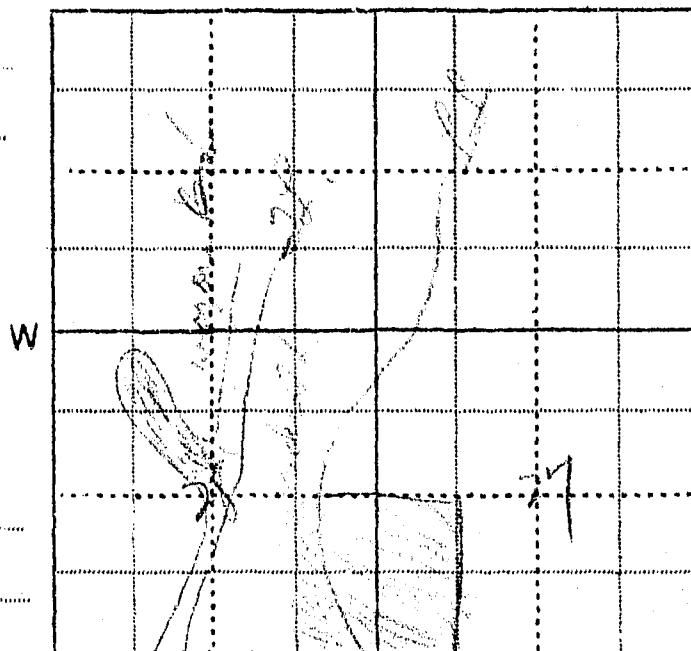
Other Use \_\_\_\_\_ Date \_\_\_\_\_

8. Present Use and Condition of System \_\_\_\_\_

1940 Crops	No. Acres
a. _____	_____
b. _____	_____
c. _____	_____
d. _____	_____
e. _____	_____
f. _____	_____
TOTAL	_____

Other Use (1940) \_\_\_\_\_

9. Potential Irrigable Lands Under this System \_\_\_\_\_



10. Remarks \_\_\_\_\_

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

(Signed)

WITNESS \_\_\_\_\_

(Place)

(Date)

STATE ENGINEERS OFFICE  
Water Resources Survey

Notice of Appropriation

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1. County Big Horn Book 1 Page 343 Record Misc.
2. Name of Appropriator Daniel John H. Young Address \_\_\_\_\_
3. Date Appropriated 6-6-17 Date Filed 6-6-17
- Amount Appropriated, Miners Inches 500, Cubic Feet per second \_\_\_\_\_
4. Name of Stream Waste from two logging camps Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion 400 ft. east of SW corner of N.E.S.W. 1/4

Sec. 28 Twp. 2N Rge. 33E Bank of Stream \_\_\_\_\_

6. Purpose Irrigation and other
7. Description of System ditch 12" x 36"

8. Land Description of Intended Place of Use  
1/4 1/8, S.W. 1/4, S.E. 1/4 Sec. 27, 2N-33E  
S.E. 1/4 Sec. 28, 2N-33E

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.) \_\_\_\_\_





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Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code 6. 21 C. 28 E  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Eder, Marie Address Hardin, Montana  
Name of Operator Rider, Alex Address Hardin, Montana

## Part A

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

1. Water is delivered by: Wagon Box Ditch 140.6  
Big Horn Ditch 96  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 170 Shares you hold 170
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


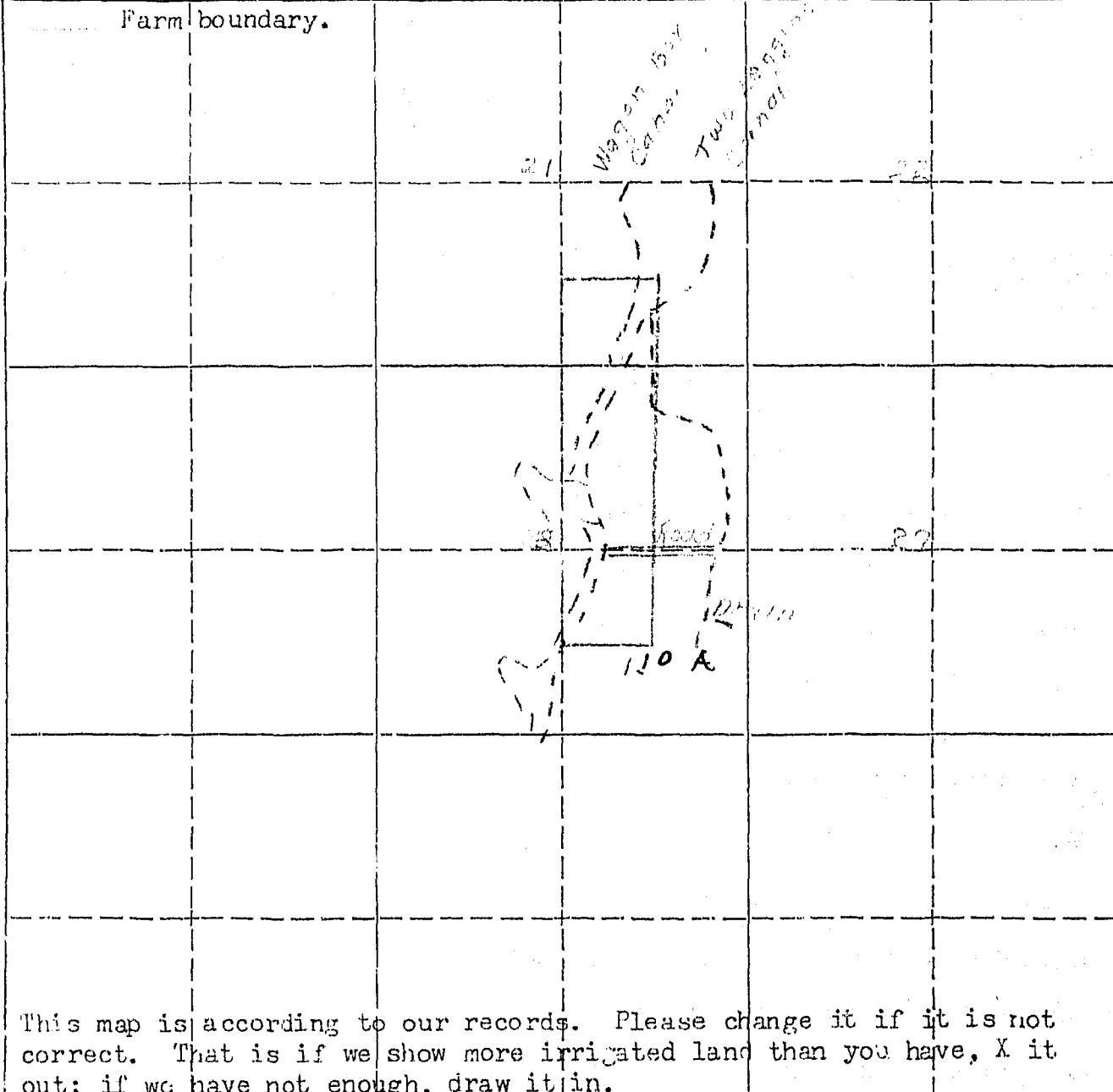
9. Source of Water: Big Horn  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping..... Other.....
11. What is the greatest number of acres you have irrigated?..... Date.....
12. How many acres did you irrigate in 1945? (Crop and pasture) 170
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc..... 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? Good
16. Is your water supply adequate? Yes..... No..... Explain.....
17. REMARKS: Ditch or Source Share Present Potential Maximum Seeped Twp. Rge.  
Wagon Box 96 96 0 96 0 2 No. 33 E  
Wagon Box 14 14 0 14 0 2 No. 33 E

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 SWSE<sup>1</sup>, Sec. 21; W<sup>1</sup>NE<sup>1</sup>, NWSE<sup>1</sup>, Sec. 28 - T. 2 N., R. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</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.

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: Two Leggin Ditch Acres: 96  
Ditch: Wagon Box Canal Acres: 14

Information supplied by:

Name Marie E. Eder Address Harlem, Mo. Date 2-1-46

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. 146

Owner Eden, Marie Address Harden, Mont.

AAA Owner Address

Operator Ricker, Alex Address Harden, Mont.

New Owner Address

New Operator Address

Assessment Record SWSE<sup>4</sup>, Sec. 21 - NWSE<sup>4</sup>, W<sup>4</sup>NE<sup>4</sup>, Sec. 28 - 2N. 33E.

Assessed Acreage 90.0

Legal Description of This Farm SWSE<sup>4</sup>, Sec. 21 - W<sup>4</sup>NE<sup>4</sup>, NWSE<sup>4</sup>, Sec. 28 - 2N. 33E

Total Acres in Farm 160

Code Number 21C-28B-

Photo No.

AAA Contract No. 386-A+B

AAA Total Cropland Acreage 84.4

App. No. 335-340 337-344 341

Decree No.

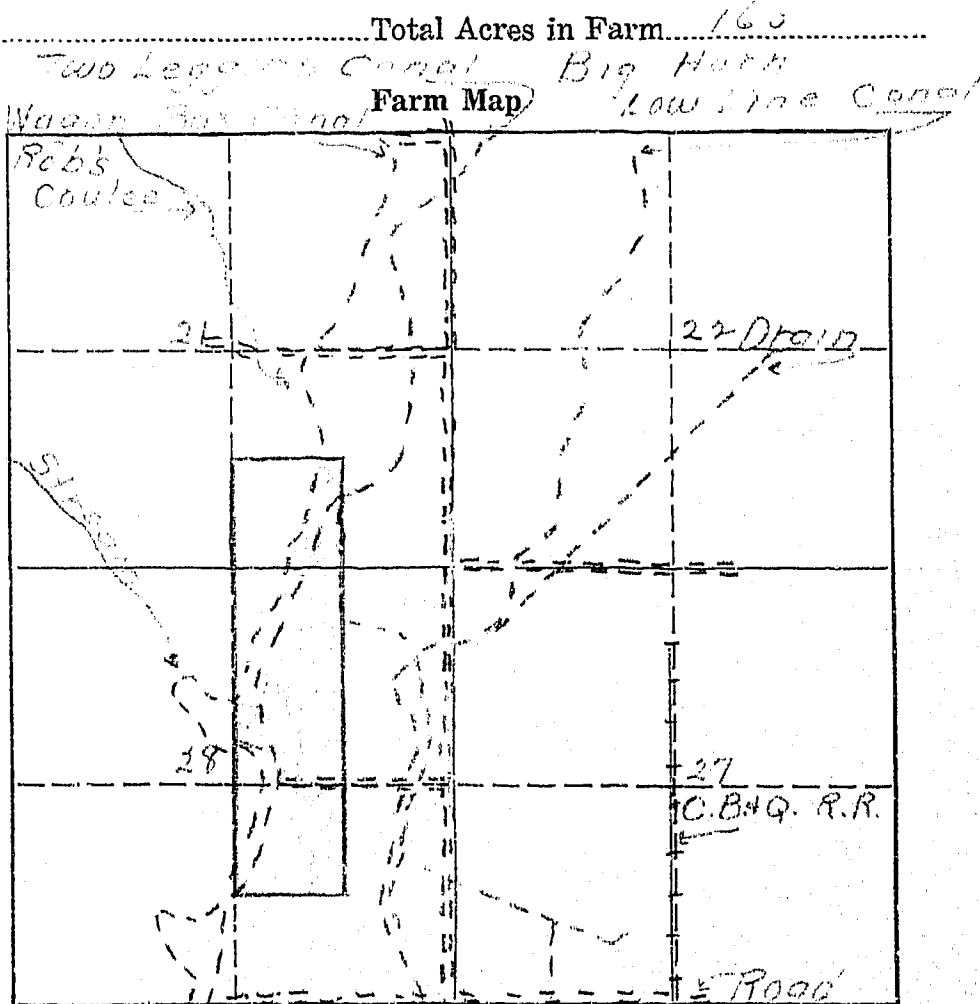
Land is located in

Twp. 2N Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2N Rge. 33E

Remarks



STATE ENGINEERS OFFICE  
Water Resources Survey

Two Legals W.U.A.

## Notice of Appropriation

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches \_\_\_\_\_, Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_  
Head-gate in S. E 1  
Sec. 20 Twp. 2 S. Rge. 33 E. Bank of Stream \_\_\_\_\_
6. Purpose Irrigation, domestic and water-power.
7. Description of System Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep  
Canal 33 ft. bottom, 51 ft. top 6 ft. deep. Runs N.E.
8. Land Description of Intended Place of Use Twp. 2 S. Rge. 33 E.  
1 S 33 E  
1 N 33 E  
2 N 33 E  
3 N 33 E  
3 N 34 E
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.  
et al= R.E. Shepherd, C.M. Bair, and J.E. Edwards.

## 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.) \_\_\_\_\_

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. H. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. H. Bair (Two Loggins water Users Association) filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

W.P. 3116  
No. \_\_\_\_\_

A Study of Montana's Water Resources

Form WR-1

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

A.A.A. Contract No. 386 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Edgar Davis Address Big Horn, Mont.

Name of Operator Reister Henry Address \_\_\_\_\_

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 84 28-77 76  
48 8

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 SW 1/4 of NW 1/4 of Sec 28, T28N, R33E


28  
35  
35  
98

SM-1 108  
LL 7 21  
98 28  
105  
28-77 76  
48 8  
W.B. 8 28

Handwritten notes and signatures in the bottom right corner.

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County \_\_\_\_\_ Code No. \_\_\_\_\_

1. Water User James E. Folsom Address \_\_\_\_\_

2. Stream \_\_\_\_\_ Tributary \_\_\_\_\_

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

4. Description of System June 1940 1000

5. Original Appropriator \_\_\_\_\_ Address \_\_\_\_\_ Date \_\_\_\_\_

6. First Use: Date \_\_\_\_\_ No. Acres Irrigated \_\_\_\_\_

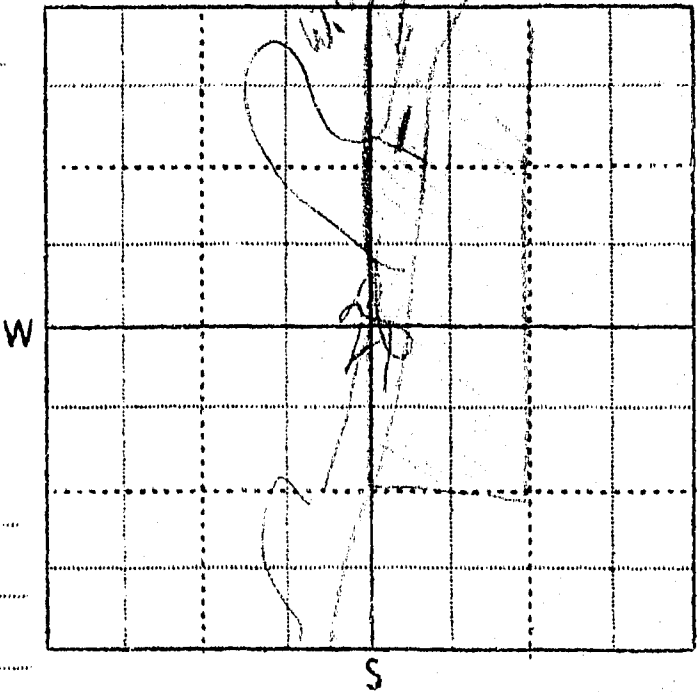
Other Use \_\_\_\_\_ Date \_\_\_\_\_

7. Maximum Use: Date \_\_\_\_\_ No. Acres Irrigated 1000

Other Use \_\_\_\_\_ Date \_\_\_\_\_

8. Present Use and Condition of System \_\_\_\_\_

1940 Crops	No. Acres
a. <u>Wheat</u>	<u>500</u>
b. <u>Barley</u>	<u>200</u>
c. <u>Hay</u>	<u>100</u>
d. <u>Alfalfa</u>	<u>50</u>
e. _____	_____
f. _____	_____
TOTAL	<u>850</u>



Other Use (1940) \_\_\_\_\_

9. Potential Irrigable Lands Under this System \_\_\_\_\_

10. Remarks \_\_\_\_\_

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

(Signed)

WITNESS \_\_\_\_\_

(Place)

(Date)



135

Form WIR-1--10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 9 B, 10 C

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Fed. Land Bank c/o Rogers Inc. Address Hardin, Montana

Name of Operator Kurtz, Ray Address Rte. 1, Hardin, Montana

## Part A

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

1. Water is delivered by: Vagon Box Ditch from Pine-Loggin Canal  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 32.8 Shares you hold 32.8
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: Big 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? 32.8 Date Every year
12. How many acres did you irrigate in 1945? (Crop and pasture) 32 acres
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 25 This land is under what ditch? Vagon Box Ditch
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
16. Is your water supply adequate? Yes ☒ No Explain
17. REMARKS:


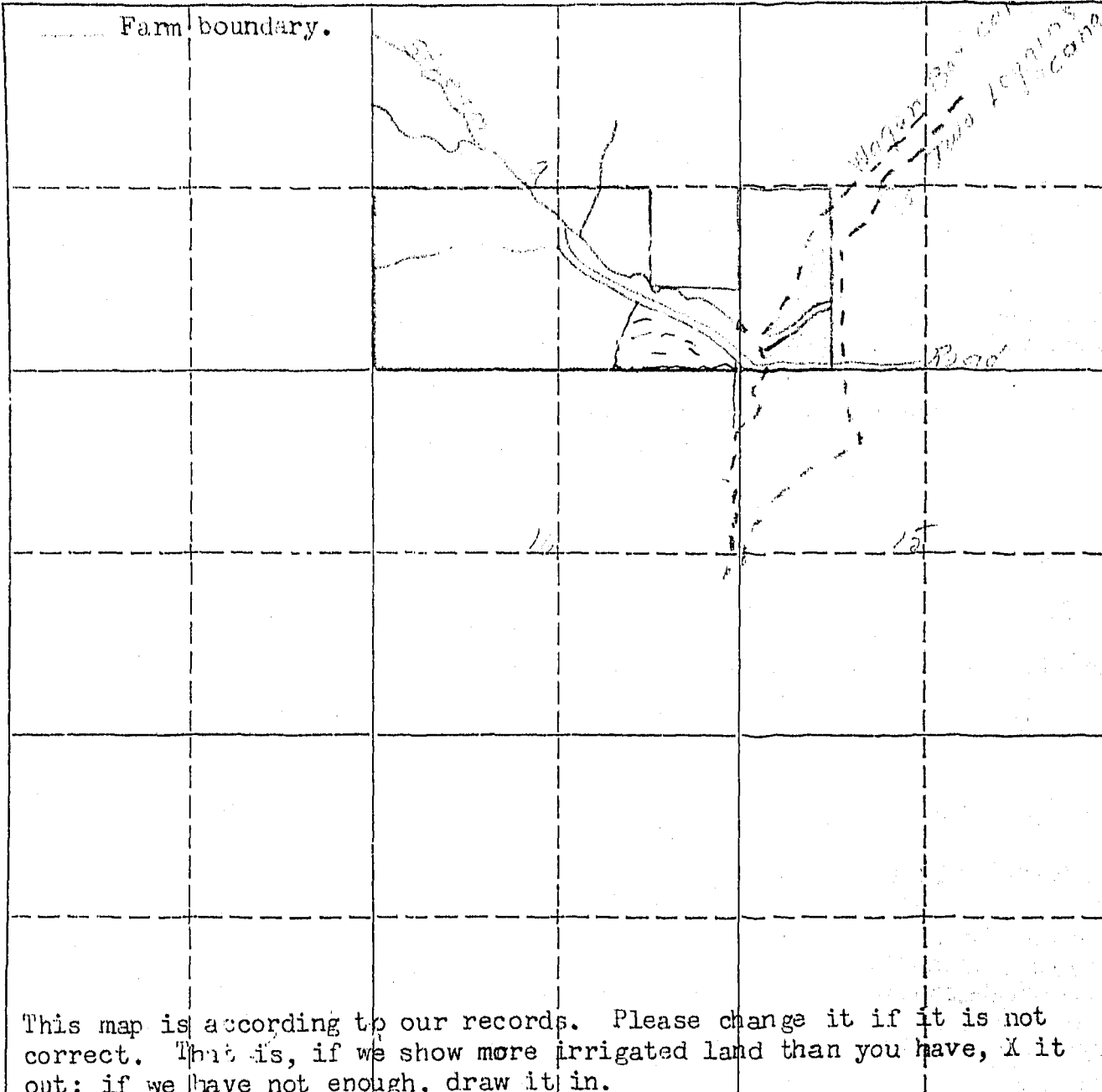
OVER



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

### DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm SW $\frac{1}{4}$ , W $\frac{1}{2}$ SE $\frac{1}{4}$ , SESE $\frac{1}{4}$ , Sec. 9; W $\frac{1}{2}$ SW $\frac{1}{4}$ , Sec. 10; T. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</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.

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: Wagon Box Ditch Acres: 32.

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name L. A. Rogers Address Hardin Mont Date Feb 20-46

REMARKS: Land marked in ink is irrigable by installing pump approximately 25 acres.

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.

According to our records the following notices of appropriations were filed on and cover your land.

August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County: (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 135

Owner Fed. Farm Bank & Trust Co. Inc. Address Hardin, Mont.

AAA Owner Same Address Same

Operator Kurtz, Wm Address Rte. 1 - Hardin, Mont.

New Owner                      Address                     

New Operator                      Address                     

Assessment Record W. 5th Sec. 10 - 2 No. 33 E.

Assessed Acreage 32.0

Legal Description of This Farm SW 1/4 Sec. 9 - W. 5th Sec. 10 - 2 No. 33 E.

Total Acres in Farm 360

Code Number 9B-10C

Photo No.                     

AAA Contract No. 288

AAA Total Cropland Acreage 44.6

App. No. 335-336-337-339-345

Decree No.                     

Land is located in

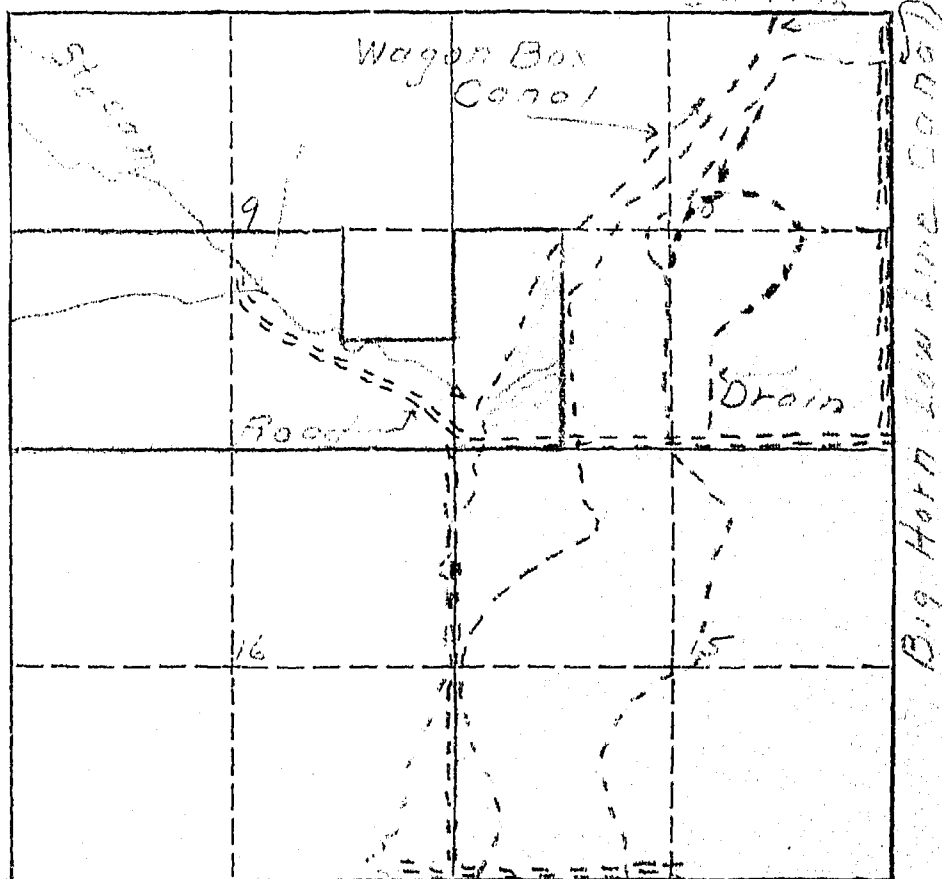
Twp. 2 N Rge. 33 E Twp. 1 N Rge. 33 E

Twp.                      Rge.                      Twp.                      Rge.                     

Filed in Twp. 2 N Rge. 33 E

Remarks                     

Farm Map



January 9, 1946

Rogers Inc.  
Hardin, Montana

Dear Sirs:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Rogers Inc.

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:cf

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Fallow, filed for 750 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. C. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County: (337)

On June 15, 1909, J. E. Edwards, A. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

February 14, 1946

Rogers Inc.  
Hardin, Montana

Dear Sirs:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 E.

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. Oravetz  
Ass't State Engineer

GJO:of:tk

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

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. 388 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Federal Land Bank 70 Rogers Inc. Address Hardin Mont.

Name of Operator Kurtz Ray Address 11

Total Number of Acres in Farm 360 Number of Acres Irrigated in 1940 264

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 W<sup>2</sup>SW<sup>4</sup> 10, SW<sup>4</sup>, NW<sup>4</sup>SE<sup>4</sup>, S<sup>3</sup>SE<sup>4</sup>, 11, 2N-33E


LC 0 9  
28 10  
W.B. 28

App. 1st - Mrs. Mary Lutter



STATE ENGINEERS OFFICE  
Water Resources Survey

Notice of Appropriation

14

1. County Big Horn Book A Page 55 Record Waco
2. Name of Appropriator Mary A. Cotta Address \_\_\_\_\_
3. Date Appropriated 8-14-09 Date Filed 8-17-09  
Amount Appropriated, Miners Inches 40, Cubic Feet per second \_\_\_\_\_
4. Name of Stream Cottonwood Gulch Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_  
SW<sup>4</sup> of  
Sec. 9 Twp. 2N Rge. 33E Bank of Stream \_\_\_\_\_
6. Purpose domestic, stock & other
7. Description of System \_\_\_\_\_
8. Land Description of Intended Place of Use \_\_\_\_\_  
SW<sup>4</sup> sec 9 2N-33E
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.) \_\_\_\_\_



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Form WR-1-10M 8-15

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 1 A, 2 A

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Gookin, Wm. C. Address Hardin, Montana

Name of Operator Gookin, Wm. C. Address Hardin, Montana

## Part A

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

1. Water is delivered by: Big Horn Low Line Canal  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 45.0 Shares you hold 100
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 Same as Part A
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: Big 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? 50 Date 1943
12. How many acres did you irrigate in 1945? (Crop and pasture) 45.0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 55.0 This land is under what ditch? Big Horn Low Line
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? good
16. Is your water supply adequate? Yes ☒ No ☐ Explain
17. REMARKS: The 55 Acres Potential is all ready to work. Just needs more help

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 Lots 3, 4, Sec. 1 - lot 1, SENECA, Sec. 2, T. 2 N., R. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
Farm boundary.		

NORTH

↑

Handwritten notes on map: "out N.I.", "Drain", "out NI", "N.I.", "2", "Big Horn River", "11", "12".

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: Big Horn Local Line Ditch Co Acres: 45.0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name B. L. G. G. G. Address Harbin Date 1/11/46

REMARKS: BHLL - 30 per share assessed by improvement  
are made, but bear 30 per share was assessed.  
Taken by M. E. C.

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. 131

Owner Franklin, James Address Franklin, James

AAA Owner Franklin, James Address Franklin, James

Operator Franklin, James Address Franklin, James

New Owner Franklin, James Address Franklin, James

New Operator Franklin, James Address Franklin, James

Assessment Record 2 No 33E

Assessed Acreage 40.0

Legal Description of This Farm Lot 14, Sec 1, 1st 1/2 - 2nd 1/2 - 2nd 1/2 - 2nd 1/2

Total Acres in Farm 180

Code Number 1A-2M

Photo No. 248-13

AAA Contract No. 1208

AAA Total Cropland Acreage 166.0

App. No. 335-336-337-339-345

Decree No.

Land is located in

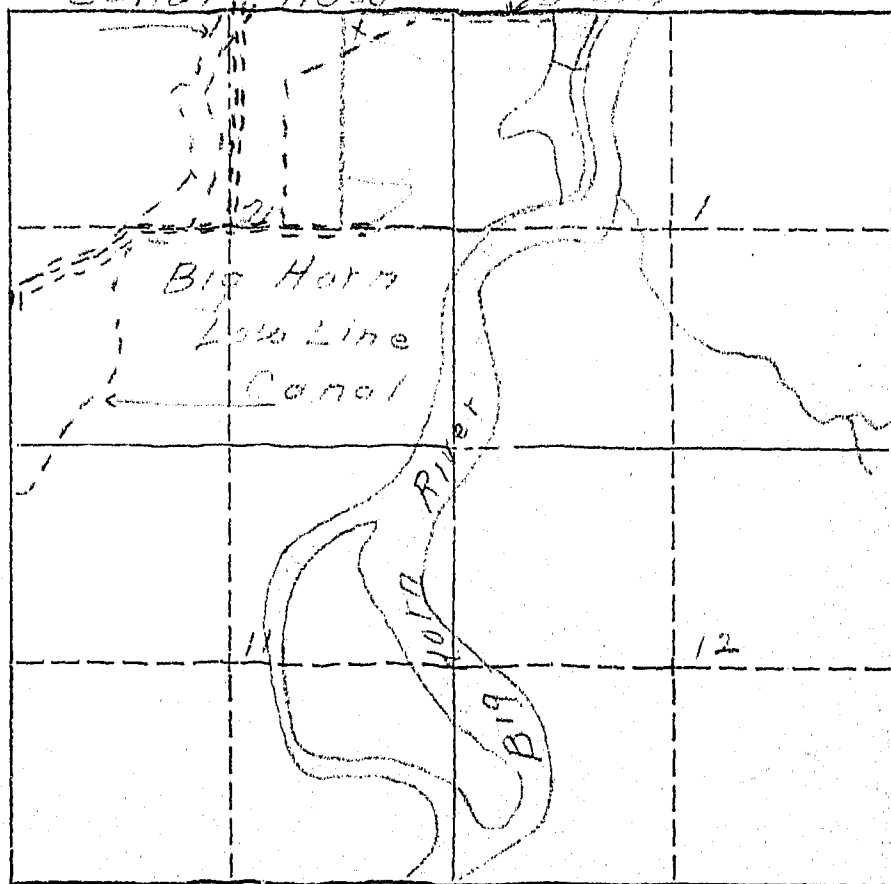
Twp. 2N Rge. 2E Twp.  Rge.

Twp.  Rge.  Twp.  Rge.

Filed in Twp. 2N Rge. 2E

Remarks

Two Loggins  
Canal Road Farm Map Drain



January 9, 1946

Mr. William C. Cookin  
Hardin, Montana

Dear Mr. Cookin:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.08 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the state of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. William C. Gookin

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Grayetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. A. Hine, and Thomas G. Gallow, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 3, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. C. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 1200 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner Federal Land Bank Address Hardin Mont.

Name of Operator Gookin W.C. Address " "

Total Number of Acres in Farm 174 Number of Acres Irrigated in 1940 166

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 Lot 3, Sec. 1, Twp. 2N, Rng. 3E, Big Horn Co., Mont.


LC 2A ①  
70 ②  
94

Looking





161  
STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1-10M 8-55  
Code No. 33 D  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Groskoff, George Address Hardin, Montana

Name of Operator Groskoff, Geo. & Hochhalter, E. Address Hardin, Montana

Part A

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

1. Water is delivered by: Two Leggins Waterusers Association  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 155 Shares you hold 155
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. Two Leggin only

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: 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: Big 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 Jan 12 1946
12. How many acres did you irrigate in 1945? (Crop and pasture) 155
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. none This land is under what ditch?
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
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 SE $\frac{1}{4}$ , less 5 A. - T. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</p>	
	<p>28</p>	
	<p>27</p>	
	<p>33</p>	
	<p>Road</p>	
	<p>Big Hole Low Line Canal</p>	

Paved Road

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: Two Leggins Waterusers Assoc Acres: 155

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name George Groskoff Address Hardin Montana Date Jan 15-46

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**

Two Legs. W.U.A.

## Notice of Appropriation

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09
- Amount Appropriated, Miners Inches....., Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary..... Basin.....
5. Point of Diversion.....
- Head-gate in S.E.  $\frac{1}{4}$
- Sec. 20 Twp. 2 south Rge. 33 east Bank of Stream.....
6. Purpose Irrigation, domestic and water-power.
7. Description of System Concrete head-gate with 5 gates 6 ft.wide, 6 ft.deep.
- Canal 33 ft.bottom, 51 ft.top.6 ft.deep. Runs N E.
8. Land Description of Intended Place of Use.....
- |     |     |      |      |
|-----|-----|------|------|
| Twp | 2 S | Rge. | 33 E |
|     | 1 S |      | 33 E |
|     | 1 N |      | 33 E |
|     | 2 N |      | 33 E |
|     | 3 N |      | 33 E |
|     | 3 N |      | 34 E |
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.
- et al = R.E.Shepherd, C.M.Bair, and J.E.Edwards.

## 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

COUNTY Big Horn

FILE NO. 161

Owner Groskoff, George Address Hardin, Mont.

AAA Owner " Address "

Operator Groskoff, Geo. + Hochhalter, E. Address Hardin, Mont.

New Owner " Address "

New Operator " Address "

Assessment Record SE 1/4 Sec 5 Range

Assessed Acreage 155

Legal Description of This Farm SE 1/4 Sec 5 A.

Total Acres in Farm 155

Code Number 33 D

Photo No. 343-87-92

AAA Contract No. 310

AAA Total Cropland Acreage 145.9

App. No. 335-336-337-339-345

Decree No. "

Land is located in

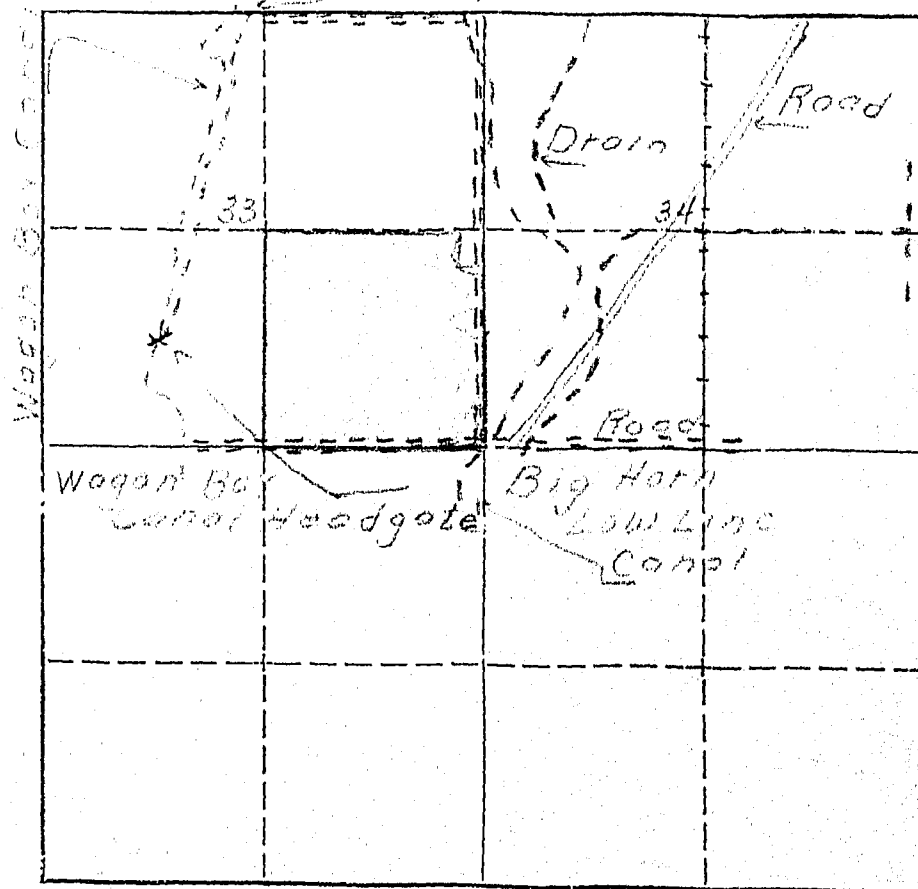
Twp. 2 N Rge. 33 E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2 N Rge. 33 E

Remarks "

Two Leggings  
Canal Farm Map



According to our records the following notices of appropriations were filed on and cover your land.

August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County: (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn river, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

January 9, 1946

George Groskoff  
Hardin, Montana

Dear Mr. Groskoff:

Ref: Irrigated land and water rights i  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,295.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can

George Groskoff

-2-

January 9, 1946

obtain this information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef:tk

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

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. 54 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Federal Land Bank Address Washington, D.C.

Name of Operator Graskoff, George Address " "

Total Number of Acres in Farm 135 Number of Acres Irrigated in 1940 140

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


LC 160





154

Form WR-1--10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 26 B, 35 A

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Hammer, Walter &amp; Bernice Address Hardin, Montana

Name of Operator Miller, Herbert W. &amp; Carper, Harold Address Hardin, Montana

## Part A

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

1. Water is delivered by: Big Horn River  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 260 Shares you hold. 140
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: Big 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? 260 Date 1956
12. How many acres did you irrigate in 1955? (Crop and pasture) 260
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc..... This land is under what 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? good
16. Is your water supply adequate? Yes..... No..... Explain.....
17. REMARKS: .....

OVER





153  
STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1-10M 8-15

Code No. 25 A, 26 A  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner. Montana, State of Address.  
Name of Operator. Hammer, Walter & Son, Inc. Address. Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn Low Line Ditch Co  
Name of Ditch, Ditch Company or District supplying water  
2. State the number of acres you irrigate under this system. 260 Shares you hold. 140  
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: 1/4 1/4 Section. Township. Range.

Part C

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


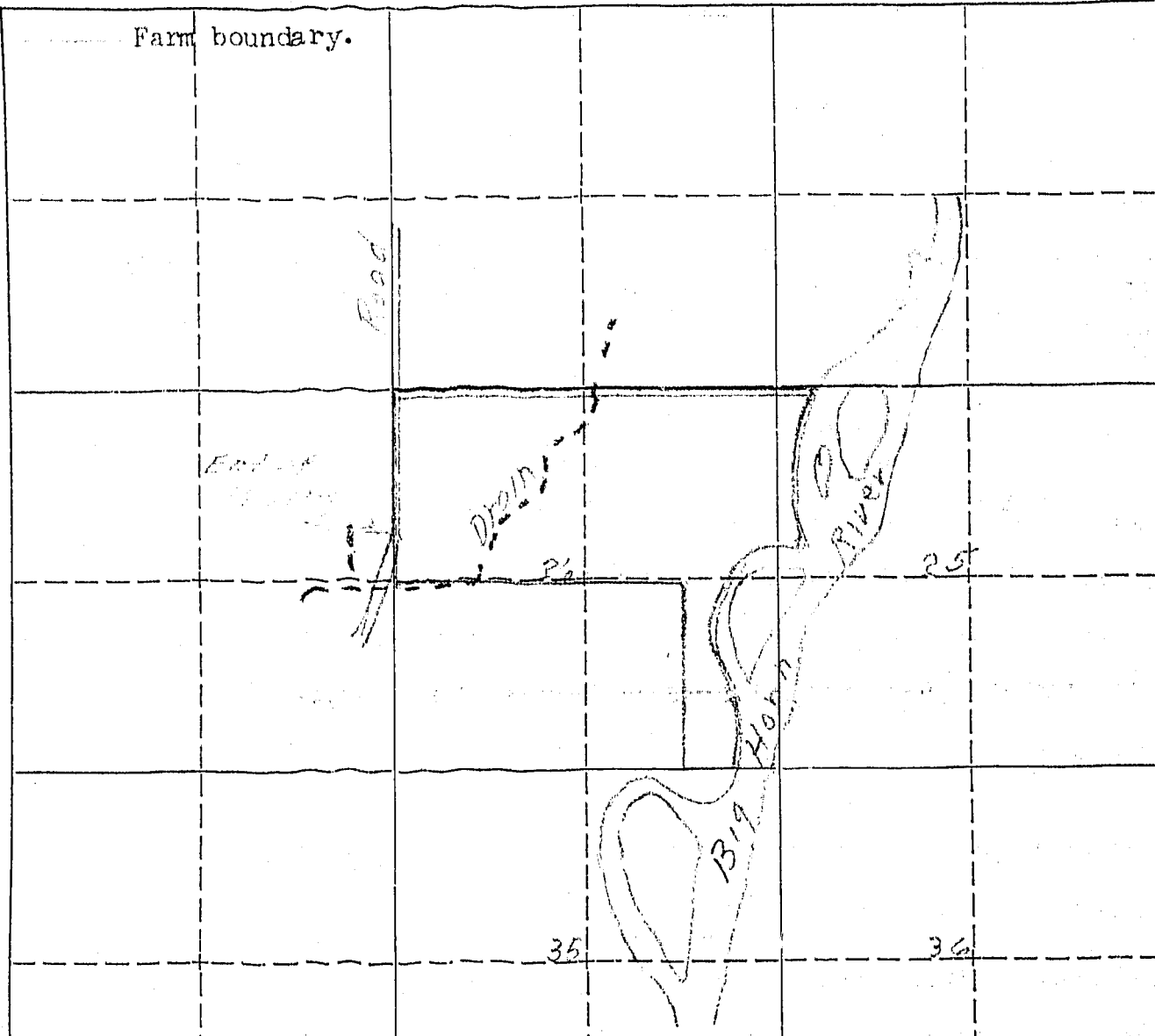
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted  
10. Water is obtained by: (Check one) Gravity ☒ Pumping. Other.  
11. What is the greatest number of acres you have irrigated? 260 Date Jan 1946  
12. How many acres did you irrigate in 1945? (Crop and pasture) 260 A  
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. This land is under what ditch? Big Horn Low Line Ditch  
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  
16. Is your water supply adequate? Yes ☒ No. Explain.  
17. REMARKS: This information was given on forms 154, land owned by Walter Hammer, and has been transferred into 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..... lots 2, 3, Sec. 25; lots 2, 3, N $\frac{1}{2}$ , Sec. 26; T. 2 N., R. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p style="text-align: center;">NORTH</p> 	<p>Farm boundary.</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: ..... Acres:.....

Ditch: ..... Acres:.....

Information supplied by:

Name ..... Address ..... Date .....

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.

Mr. Walter Hammer

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

*Gerald J. Oravetz*  
Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

*Dear Sir: I suppose that you know there are thousands of acres of land in Montana that can be irrigated from the Big Horn river where the ditches have not been constructed. This land is located principally in Big Horn county.*

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 154-

Owner Hammer, Walter & Son Address Hardin, Mont

AAA Owner " Address "

Operator Casper, Harold Address Hardin, Mont

New Owner " Address "

New Operator " Address "

Assessment Record NW 1/4, lots 2 & that part of lot 3 - N. of R. 1, Sec. 35 - 3N. 33E

Assessed Acreage 40.0

Legal Description of This Farm NW 1/4, lot 2 & that part of lot 3 - N. of R. 1, Sec. 35 - 3N. 33E

Total Acres in Farm 200.0

Code Number 359

Photo No. 243-19,

AAA Contract No. 1224

AAA Total Cropland Acreage 97.8

App. No. 335-336-337-339 340

Decree No. "

Land is located in

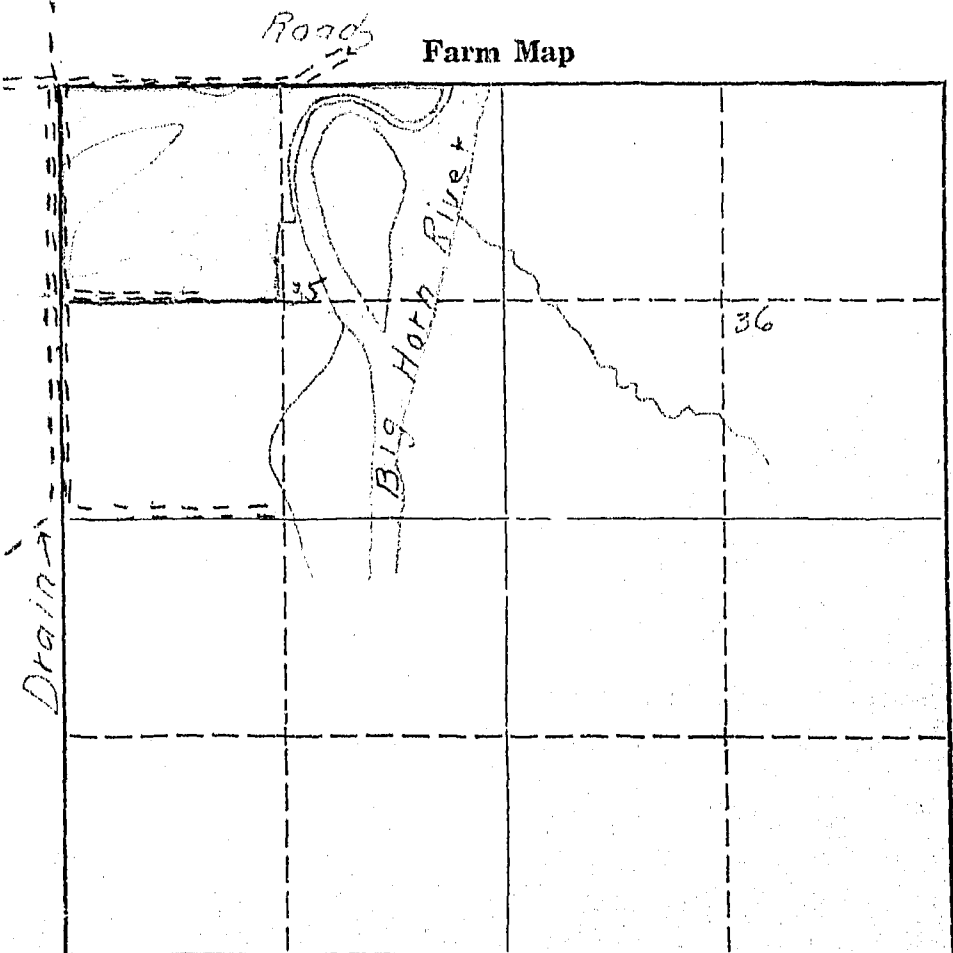
Twp. 2N Rge. 3E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. " Rge. "

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. 1224 County Big Horn Twp. 26 North Rng. 34 East  
Name of Owner Hammer, George Address Hardin Mont.  
Name of Operator Ransier, George Address " "  
Total Number of Acres in Farm 2007 Number of Acres Irrigated in 1940 90

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 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 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1181, 1182, 1183, 1184, 1185, 1186, 1187, 1188, 1189, 1190, 1191, 1192, 1193, 1194, 1195, 1196, 1197, 1198, 1199, 1200, 1201, 1202, 1203, 1204, 1205, 1206, 1207, 1208, 1209, 1210, 1211, 1212, 1213, 1214, 1215, 1216, 1217, 1218, 1219, 1220, 1221, 1222, 1223, 1224, 1225, 1226, 1227, 1228, 1229, 1230, 1231, 1232, 1233, 1234, 1235, 1236, 1237, 1238, 1239, 1240, 1241, 1242, 1243, 1244, 1245, 1246, 1247, 1248, 1249, 1250, 1251, 1252, 1253, 1254, 1255, 1256, 1257, 1258, 1259, 1260, 1261, 1262, 1263, 1264, 1265, 1266, 1267, 1268, 1269, 1270, 1271, 1272, 1273, 1274, 1275, 1276, 1277, 1278, 1279, 1280, 1281, 1282, 1283, 1284, 1285, 1286, 1287, 1288, 1289, 1290, 1291, 1292, 1293, 1294, 1295, 1296, 1297, 1298, 1299, 1300, 1301, 1302, 1303, 1304, 1305, 1306, 1307, 1308, 1309, 1310, 1311, 1312, 1313, 1314, 1315, 1316, 1317, 1318, 1319, 1320, 1321, 1322, 1323, 1324, 1325, 1326, 1327, 1328, 1329, 1330, 1331, 1332, 1333, 1334, 1335, 1336, 1337, 1338, 1339, 1340, 1341, 1342, 1343, 1344, 1345, 1346, 1347, 1348, 1349, 1350, 1351, 1352, 1353, 1354, 1355, 1356, 1357, 1358, 1359, 1360, 1361, 1362, 1363, 1364, 1365, 1366, 1367, 1368, 1369, 1370, 1371, 1372, 1373, 1374, 1375, 1376, 1377, 1378, 1379, 1380, 1381, 1382, 1383, 1384, 1385, 1386, 1387, 1388, 1389, 1390, 1391, 1392, 1393, 1394, 1395, 1396, 1397, 1398, 1399, 1400, 1401, 1402, 1403, 1404, 1405, 1406, 1407, 1408, 1409, 1410, 1411, 1412, 1413, 1414, 1415, 1416, 1417, 1418, 1419, 1420, 1421, 1422, 1423, 1424, 1425, 1426, 1427, 1428, 1429, 1430, 1431, 1432, 1433, 1434, 1435, 1436, 1437, 1438, 1439, 1440, 1441, 1442, 1443, 1444, 1445, 1446, 1447, 1448, 1449, 1450, 1451, 1452, 1453, 1454, 1455, 1456, 1457, 1458, 1459, 1460, 1461, 1462, 1463, 1464, 1465, 1466, 1467, 1468, 1469, 1470, 1471, 1472, 1473, 1474, 1475, 1476, 1477, 1478, 1479, 1480, 1481, 1482, 1483, 1484, 1485, 1486, 1487, 1488, 1489, 1490, 1491, 1492, 1493, 1494, 1495, 1496, 1497, 1498, 1499, 1500, 1501, 1502, 1503, 1504, 1505, 1506, 1507, 1508, 1509, 1510, 1511, 1512, 1513, 1514, 1515, 1516, 1517, 1518, 1519, 1520, 1521, 1522, 1523, 1524, 1525, 1526, 1527, 1528, 1529, 1530, 1531, 1532, 1533, 1534, 1535, 1536, 1537, 1538, 1539, 1540, 1541, 1542, 1543, 1544, 1545, 1546, 1547, 1548, 1549, 1550, 1551, 1552, 1553, 1554, 1555, 1556, 1557, 1558, 1559, 1560, 1561, 1562, 1563, 1564, 1565, 1566, 1567, 1568, 1569, 1570, 1571, 1572, 1573, 1574, 1575, 1576, 1577, 1578, 1579, 1580, 1581, 1582, 1583, 1584, 1585, 1586, 1587, 1588, 1589, 1590, 1591, 1592, 1593, 1594, 1595, 1596, 1597, 1598, 1599, 1600, 1601, 1602, 1603, 1604, 1605, 1606, 1607, 1608, 1609, 1610, 1611, 1612, 1613, 1614, 1615, 1616, 1617, 1618, 1619, 1620, 1621, 1622, 1623, 1624, 1625, 1626, 1627, 1628, 1629, 1630, 1631, 1632, 1633, 1634, 1635, 1636, 1637, 1638, 1639, 1640, 1641, 1642, 1643, 1644, 1645, 1646, 1647, 1648, 1649, 1650, 1651, 1652, 1653, 1654, 1655, 1656, 1657, 1658, 1659, 1660, 1661, 1662, 1663, 1664, 1665, 1666, 1667, 1668, 1669, 1670, 1671, 1672, 1673, 1674, 1675, 1676, 1677, 1678, 1679, 1680, 1681, 1682, 1683, 1684, 1685, 1686, 1687, 1688, 1689, 1690, 1691, 1692, 1693, 1694, 1695, 1696, 1697, 1698, 1699, 1700, 1701, 1702, 1703, 1704, 1705, 1706, 1707, 1708, 1709, 1710, 1711, 1712, 1713, 1714, 1715, 1716, 1717, 1718, 1719, 1720, 1721, 1722, 1723, 1724, 1725, 1726, 1727, 1728, 1729, 1730, 1731, 1732, 1733, 1734, 1735, 1736, 1737, 1738, 1739, 1740, 1741, 1742, 1743, 1744, 1745, 1746, 1747, 1748, 1749, 1750, 1751, 1752, 1753, 1754, 1755, 1756, 1757, 1758, 1759, 1760, 1761, 1762, 1763, 1764, 1765, 1766, 1767, 1768, 1769, 1770, 1771, 1772, 1773, 1774, 1775, 1776, 1777, 1778, 1779, 1780, 1781, 1782, 1783, 1784, 1785, 1786, 1787, 1788, 1789, 1790, 1791, 1792, 1793, 1794, 1795, 1796, 1797, 1798, 1799, 1800, 1801, 1802, 1803, 1804, 1805, 1806, 1807, 1808, 1809, 1810, 1811, 1812, 1813, 1814, 1815, 1816, 1817, 1818, 1819, 1820, 1821, 1822, 1823, 1824, 1825, 1826, 1827, 1828, 1829, 1830, 1831, 1832, 1833, 1834, 1835, 1836, 1837, 1838, 1839, 1840, 1841, 1842, 1843, 1844, 1845, 1846, 1847, 1848, 1849, 1850, 1851, 1852, 1853, 1854, 1855, 1856, 1857, 1858, 1859, 1860, 1861, 1862, 1863, 1864, 1865, 1866, 1867, 1868, 1869, 1870, 1871, 1872, 1873, 1874, 1875, 1876, 1877, 1878, 1879, 1880, 1881, 1882, 1883, 1884, 1885, 1886, 1887, 1888, 1889, 1890, 1891, 1892, 1893, 1894, 1895, 1896, 1897, 1898, 1899, 1900, 1901, 1902, 1903, 1904, 1905, 1906, 1907, 1908, 1909, 1910, 1911, 1912, 1913, 1914, 1915, 1916, 1917, 1918, 1919, 1920, 1921, 1922, 1923, 1924, 1925, 1926, 1927, 1928, 1929, 1930, 1931, 1932, 1933, 1934, 1935, 1936, 1937, 1938, 1939, 1940, 1941, 1942, 1943, 1944, 1945, 1946, 1947, 1948, 1949, 1950, 1951, 1952, 1953, 1954, 1955, 1956, 1957, 1958, 1959, 1960, 1961, 1962, 1963, 1964, 1965, 1966, 1967, 1968, 1969, 1970, 1971, 1972, 1973, 1974, 1975, 1976, 1977, 1978, 1979, 1980, 1981, 1982, 1983, 1984, 1985, 1986, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 21

See Big Horn Low Line Satch Co. app.

FORM 5141

A STUDY OF MONTANA'S WATER RESOURCES

County

Code No.

1. Water User

Address

2. Stream

Tributary

3. Point of Diversion

Section

Township

Range

4. Description of System

5. Original Appropriator

Address

Date

6. First Use: Date

No. Acres Irrigated

Other Use

Date

7. Maximum Use: Date

No. Acres Irrigated

Other Use

Date

8. Present Use and Condition of System

1940 Crops	No. Acres
a. <u>Wheat</u>	<u>15</u>
b. <u>Barley</u>	<u>40</u>
c. <u>Soybeans</u>	<u>33</u>
d. <u>Peas</u>	<u>33</u>
e. <u>Other</u>	<u>12</u>
f. <u>Other</u>	<u>12</u>
TOTAL	<u>160</u>

Other Use (1940)

9. Potential Irrigable Lands Under this System

12

10. Remarks

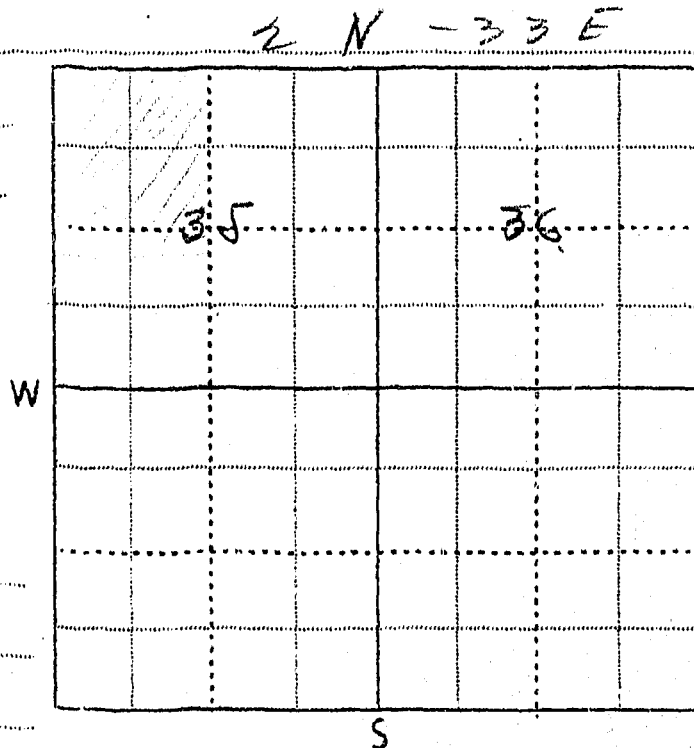
11. The above statements are true and accurate to the best of my knowledge and belief:

WITNESS

(Signed)

(Place)

(Date)





STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 154

Owner Hammer, Walter Address Hardin, Mont.

AAA Owner " Address "

Operator Miller, Harold W. Address Hardin, Mont.

New Owner " Address "

New Operator " Address "

Assessment Record E<sup>2</sup>SW<sup>4</sup>W<sup>2</sup>SE<sup>4</sup> Sec. 26 - 2 No. 33E

Assessed Acreage 40.0

Legal Description of This Farm E<sup>2</sup>SW<sup>4</sup>W<sup>2</sup>SE<sup>4</sup> Sec. 26 - 2 No. 33E

Total Acres in Farm 160.0

Code Number 26 B

Farm Map

Photo No. 243-17-18,

AAA Contract No. 312

AAA Total Cropland Acreage 96.7

App. No. 335-336-337-339-345

Decree No. "

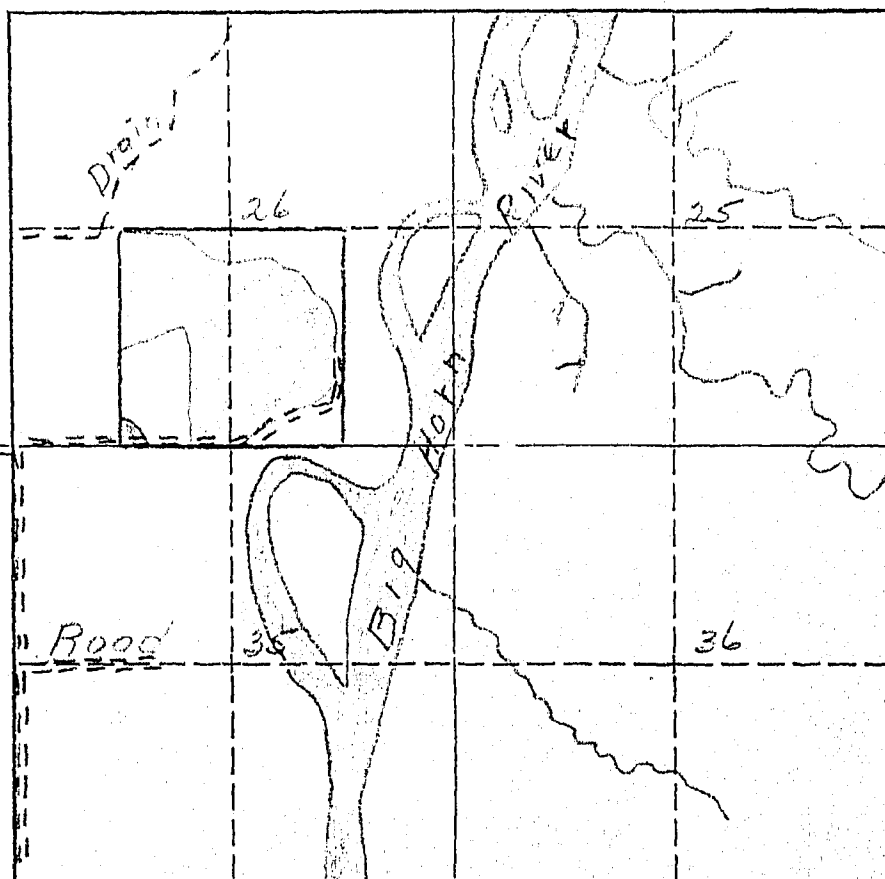
Land is located in

Twp. 2N Rge. 33E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. " Rge. "

Remarks "



January 9, 1946

Mr. Walter Hammer  
Hardin, Montana

Dear Mr. Hammer:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come those potential acres will be irrigated, and we must plan now to have water available for those acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Walter Hammer

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. T. Hinc, and Thomas G. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Meno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 312 County Big Horn Twp. 3 North Rng. 33 East

Name of Owner Harmon Moore Address Hardy, Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 93

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 E 1/2 SW 1/4, NW 1/4, 26 - 27 - 28 E


LC 142

SM-1  
156

Section  
26

Pasture

5

See Big Horn Low Line Ditch Co. App.

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County Big Horn Code No. \_\_\_\_\_

1. Water User Walter Hammer Address Hardin Montana

2. Stream Big Horn River Tributary \_\_\_\_\_

3. Point of Diversion 1/4 Section \_\_\_\_\_ Township \_\_\_\_\_ Range \_\_\_\_\_

4. Description of System Big Horn Low Line Ditch Co.

5. Original Appropriator Big Horn Low Line Ditch Address \_\_\_\_\_ Date 10-28-'07

6. First Use: Date \_\_\_\_\_ No. Acres Irrigated \_\_\_\_\_

Other Use \_\_\_\_\_ Date \_\_\_\_\_

7. Maximum Use: Date \_\_\_\_\_ No. Acres Irrigated \_\_\_\_\_

Other Use \_\_\_\_\_ Date \_\_\_\_\_

8. Present Use and Condition of System \_\_\_\_\_

1940 Crops	No. Acres
a. <u>Wheat</u>	<u>2.0</u>
b. <u>Barley</u>	<u>1.2</u>
c. <u>Oats</u>	<u>4.3</u>
d. <u>Hay</u>	<u>2.5</u>
e. <u>Alfalfa</u>	_____
f. _____	_____
TOTAL	<u>156</u>

Other Use (1940) \_\_\_\_\_

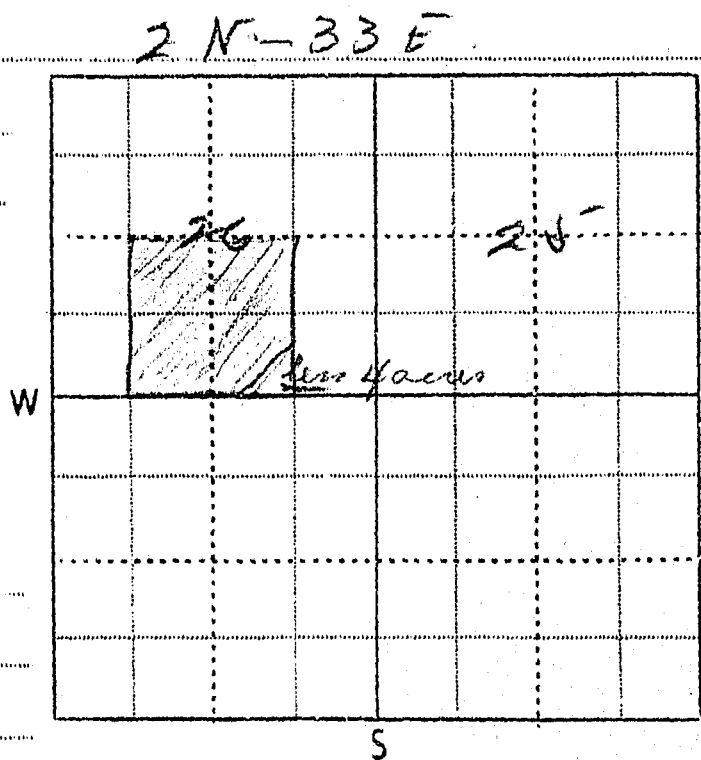
9. Potential Irrigable Lands Under this System 1

10. Remarks \_\_\_\_\_

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

WITNESS Walter Hammer \_\_\_\_\_

(Place) \_\_\_\_\_ (Date) 11/15/40





133

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1-10M 8-75

Code No. 9 A, 10 B

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Hammond, Arthur &amp; others Address Hardin, Montana

Name of Operator Hammond, A. L. Address Hardin, Montana

## Part A

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

1. Water is delivered by: Low Line Ditch and Two Leggins Ditch  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system about 50 Shares you hold 12 (Two Leggins)
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 1907 (To the best of my knowledge)
5. Give the name of the original appropriator (first user): Herman N. Garrison
6. Give the date appropriated about 1901 Amount filed on: Miners Inches about C. F. S. Brown
7. State the total number of acres irrigated under this system: 50
8. Give the point of diversion: SW 1/4 SW 1/4 Section 10 Township 2 Range 33

## Part C

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

9. Source of Water: Big 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? 80 Date 1938
12. How many acres did you irrigate in 1945? (Crop and pasture) 50 acres
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 2 This land is under what ditch? Low Line Ditch
14. How many acres of seeped land do you have which could be drained and put into production? 3
15. What is the condition of your irrigation system? Fair
16. Is your water supply adequate? Yes ☒ No Explain
17. REMARKS: That part of the SW 1/4 of the NE 1/4 lying east of Low Line Ditch has not been irrigated for several years. But I am getting the water right to it which was dropped in 1938, and will be irrigating it this year.

Ditch or Source	Shares	Present	OVER	Acres	Seeped	Twp.	Rge.
Big Horn Low Line	35	38	15	53	3	2 N.	33 E.
Two Leggins	12	12	0	12	0	2 N.	33 E.

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

### DESCRIPTION AND MAP OF FARM

13. Legal Description of this Farm  $N\frac{1}{2}$ ,  $NESE\frac{1}{4}$ , Sec. 9;  $S\frac{1}{2}NW\frac{1}{4}$ ,  $SWNE\frac{1}{4}$ ,  $NWSE\frac{1}{4}$ , Sec. 10, T. 2 N., R. 33 E.

IRRIGATED LAND      NON-IRRIGATED LAND

----- Farm boundary.

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: Two Leggers Ditch Acres: 12

Ditch: Low Line Ditch Acres: about 45

Information supplied by:

Name A. J. Hammond Address Hardin Mont. Date Jan 15-46

REMARKS: SE NW 1/4 of SE 1/4 of Sec 10, T-2 R33 under Low Line  
Ditch belongs to my sister Katherine Hammond and  
I believe has 40 acres

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.



According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

*I could not say for sure.*

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 133

Owner Hammonds, Arthur Address \_\_\_\_\_

AAA Owner Hammond, Arthur & Katherine Address Hardin, Mont

Operator Hammond, A.L. Address Hardin, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record \_\_\_\_\_

Assessed Acreage \_\_\_\_\_

Legal Description of This Farm N<sup>1</sup>/4, NESE<sup>1</sup>/4, Sec. 9 - S<sup>1</sup>/4 NW<sup>1</sup>, SW NE<sup>1</sup>, NWSE<sup>1</sup>, Sec. 10 - 2 N<sup>1</sup>/4, 33 E

Total Acres in Farm 520.0

Code Number 9A-10B

Photo No. 243-87

AAA Contract No. 1197

AAA Total Cropland Acreage 60.7

App. No. 335-336-337-338-345

Decree No. \_\_\_\_\_

Land is located in

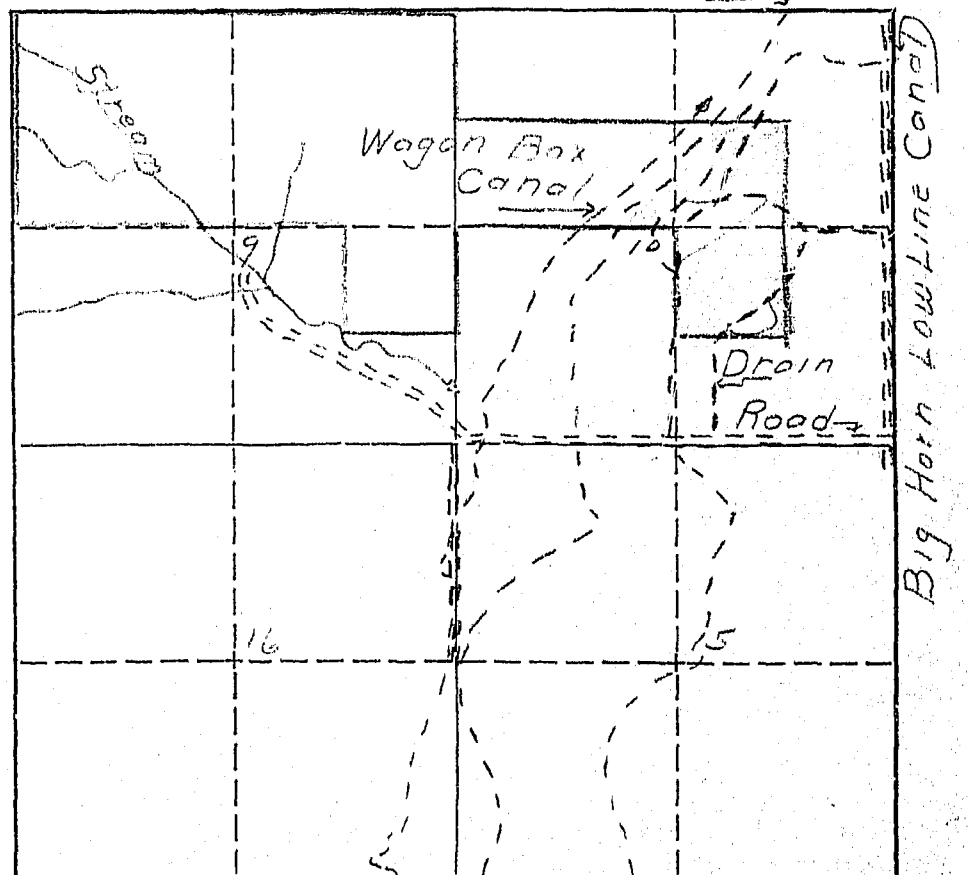
Twp. 3 N. Rge. 33 E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 3 N. Rge. 33 E

Remarks \_\_\_\_\_

Two Leggins  
Farm Map  
Canal



According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

January 9, 1946

Arthur Hammond  
Hardin, Montana

Dear Mr. Hammond:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Hammond

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P. S. These forms are the property of the State of Montana and must be returned.

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. 1172 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Champion, Wilson Address Hardin Mont

Name of Operator Champion, W.P. Address "

Total Number of Acres in Farm 520 Number of Acres Irrigated in 1940 61

2 Leqg 12  
Low Line 49

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 N<sup>2</sup> 7E<sup>4</sup> SE<sup>4</sup> 7, SW<sup>4</sup> NE<sup>4</sup> S<sup>2</sup> NW<sup>4</sup> NW<sup>4</sup> SE<sup>4</sup> 10 - 1A<sup>4</sup> SE


29  
10  
40  
79

LC 0 ①  
79 ①  
79

2 Leqg 12  
Low Line 67

Two Leqg  
Low Line



165

Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 34 D  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Hert, Gottlieb Address Hardin, Montana

Name of Operator Hert, Gottlieb Address Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn Low Line Canal & Two Leggins Canal  
Name of Ditch, Ditch Company or District supplying water 13 Two Leggins
2. State the number of acres you irrigate under this system 63 Shares you hold 60 Low Line
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: 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: Big 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) 63
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. This land is under what ditch?
14. How many acres of sloped 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: 13 Acres, 13 Shares, from Two Leggins Canal.  
60 Shares 50 Acres from Low Line Ditch Co.

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 S<sup>1</sup>SW<sup>1</sup>, Sec. 34 - T. 2 N., R. 33 E.

IRRIGATED LAND

NON-IRRIGATED LAND

NORTH

----- Farm boundary.

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: Low Line Ditch Co. Acres: 50  
 Ditch: Two Leggins Ditch Co. Acres: 13

Information supplied by:

Name Gottlieb Hest. Address Hardin Mont. Date Mar 12-46

REMARKS: Ditch by Source Shares Present Potential Maximum Shared Tur Rge.  
Big Horn Low Line 100 88 0 88 0 1 No. 33E  
Big Horn Low Line 60 50 0 50 0 2 No. 33E  
Two Leggins Canal 13 13 0 13 0 2 No. 33E

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. 165

Owner Hert, Gottlieb Address Harden, Mont.

AAA Owner " Address "

Operator " Address "

New Owner " Address "

New Operator " Address "

Assessment Record S<sup>2</sup>SW<sup>4</sup>, Sec. 34. 2 No. 33E

Assessed Acreage 80.0

Legal Description of This Farm S<sup>2</sup>SW<sup>4</sup>, Sec. 34. 2 No. 33E

Total Acres in Farm 80.0

Code Number 34D

Photo No. 243-82453

AAA Contract No. 320

AAA Total Cropland Acreage 63.9

App. No. 335-336-337-339-345

Decree No. "

Land is located in

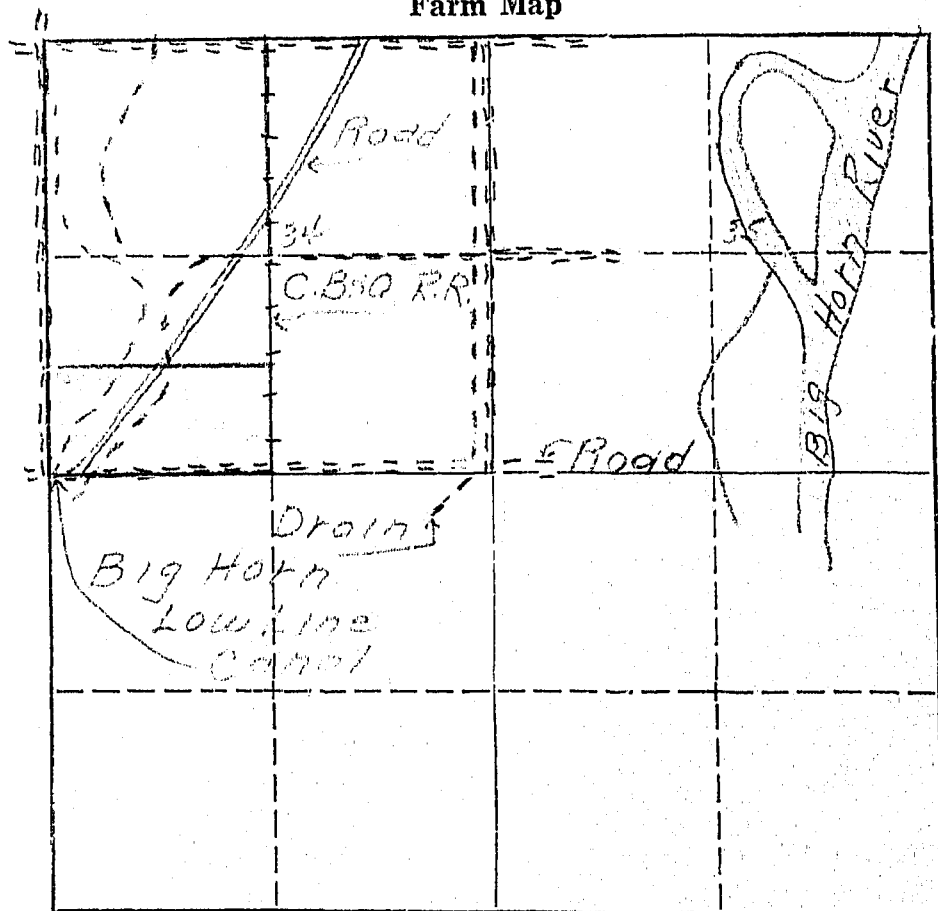
Twp. 2N Rge. 33E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2N Rge. 33E

Remarks "

Farm Map



STATE ENGINEERS OFFICE  
Water Resources Survey

Two Legals W.U.A.

## Notice of Appropriation

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches....., Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary..... Basin.....
5. Point of Diversion.....  
Head-gate in S E 4  
Sec. 20 Twp. 2 S Rge. 33 E Bank of Stream.....
6. Purpose Irrigation, domestic and water-power.
7. Description of System Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep.  
Canal 33 ft. bottom, 51 ft. top, 6 ft. deep. Runs N E.
8. Land Description of Intended Place of Use Twp. 2 S. Rge. 33E  
1 S 33 E  
1 N 33 E  
2 N 33 E  
3 N 33 E  
3 N 34 E
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water  
et al = R.E. Shepherd, C.M. Bair, and J.E. Edwards.

## 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.).....

February 14, 1946

Hottlieb Hert  
Herdin, Montana

Dear Mr. Hert:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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. Oravetz  
Ass't State Engineer

GJO:ef:tk

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

March 4, 1946

Mr. Gottlieb Hert  
Hardin, Montana

Dear Mr. Hert:

On January 9, 1946, we sent you a letter asking for certain information pertaining to your irrigated land in Big Horn County. On February 14th, 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 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.

Yours very truly,

/s/ Gerald J. Oravetz

GJO:pw

According to our records the following notices of appropriations were filed on and cover your land.

August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. C. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County: (337)

On June 15, 1909, J. A. Edwards, A. S. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

January 9, 1946

Gottlieb Hert  
Hardin, Montana

Ref: Irrigated land and water rights  
in Big Horn County

Dear Mr. Hert:

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Gottlieb Hert

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef:tk

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

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. 320 County Big Horn Twp. 2 North Rng. 39E

Name of Owner Hort, Gottlieb Address Hardin, Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 200 Number of Acres Irrigated in 1940 68 2 Egg 13  
Fertilizer 55

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 Sr Sw 1 Sec 34


34

B

LC 80  
2 Egg 13  
Fertilizer 67





136

Form WR-1--10M-8-15

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 10 F, 11 C

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Keane, Margaret Address Hardin, Montana  
Name of Operator Keane, James Address Hardin, Montana

## Part A

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

1. Water is delivered by: Big Horn Low Line Canal  
Name of Ditch, Ditch Company or District supplying water  
2. State the number of acres you irrigate under this system 45 Shares you hold 120  
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 Spring 1908 cropped  
5. Give the name of the original appropriator (first user): Jas Keane  
6. Give the date appropriated Nov 2 1907 Amount filed on: Miners Inches C. F. S. 250  
7. State the total number of acres irrigated under this system:  
8. Give the point of diversion: 1/4 SW 1/4 Section 24 Township 2 Range 33

## Part C

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

9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted  
10. Water is obtained by: (Check one) Gravity Check Pumping Other  
11. What is the greatest number of acres you have irrigated? 150 Date 1909  
12. How many acres did you irrigate in 1945? (Crop and pasture) 130 45  
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 20 105 This land is under what ditch? Big Horn Low Line Ditch Assn  
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  
16. Is your water supply adequate? Yes Yes No Explain Almost yearly it becomes  
17. REMARKS: necessary to construct overflow check dams in Big Horn River channel during period of low water to supply system thro headgate by gravity flow

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. NLSW $\frac{1}{4}$ , Sec. 10 - W $\frac{1}{2}$ SW $\frac{1}{4}$ , SESW $\frac{1}{4}$ , E $\frac{1}{2}$ SW $\frac{1}{4}$ , Sec. 11 - T. 2 N., R. 33 E.

IRRIGATED LAND      NON-IRRIGATED LAND

Farm boundary.

NORTH

These two 40's have not been irrigated for about 12 years - Heavy soils at least. Below 40's which were ditched Sept 20, 1945.

Ditch 18

Road

Blanton

Big Horn River

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: Big Horn low line Acres: 45

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name: Gas Reame Address: R-1-57 Hardin Date: Jan 24, 46

REMARKS: B C Lillis Irrigation Engineer Billings Mont

established system

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.

Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

*not informed*  
On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

*not informed*  
On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

*not informed*  
On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337) — *Yes*

*yes*  
On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

*yes*  
On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

STATE ENGINEERS OFFICE  
Water Resources SurveyCOUNTY Big HornFILE NO. 136Owner Keane, MargaretAddress Harbin, Mont.

AAA Owner

Address

Operator Keane, JamesAddress Harbin, Mont.

New Owner

Address

New Operator

Address

Assessment Record 10<sup>th</sup> S, NESE<sup>1</sup>, S<sup>2</sup>SW<sup>4</sup>, NWSE<sup>4</sup>, Sec. 11 - 2 N<sup>o</sup> - 33 EAssessed Acreage 40.0Legal Description of This Farm NESE<sup>4</sup>, Sec. 10 - W<sup>2</sup>SW<sup>4</sup>, SESE<sup>4</sup>, Sec. 112 N<sup>o</sup> - 33 ETotal Acres in Farm 160Code Number 108, 110,Photo No. 243-87, 303-14,AAA Contract No. 337 B + 8455AAA Total Cropland Acreage 108.6App. No. 335-336-337-338-345

Decree No.

Land is located in

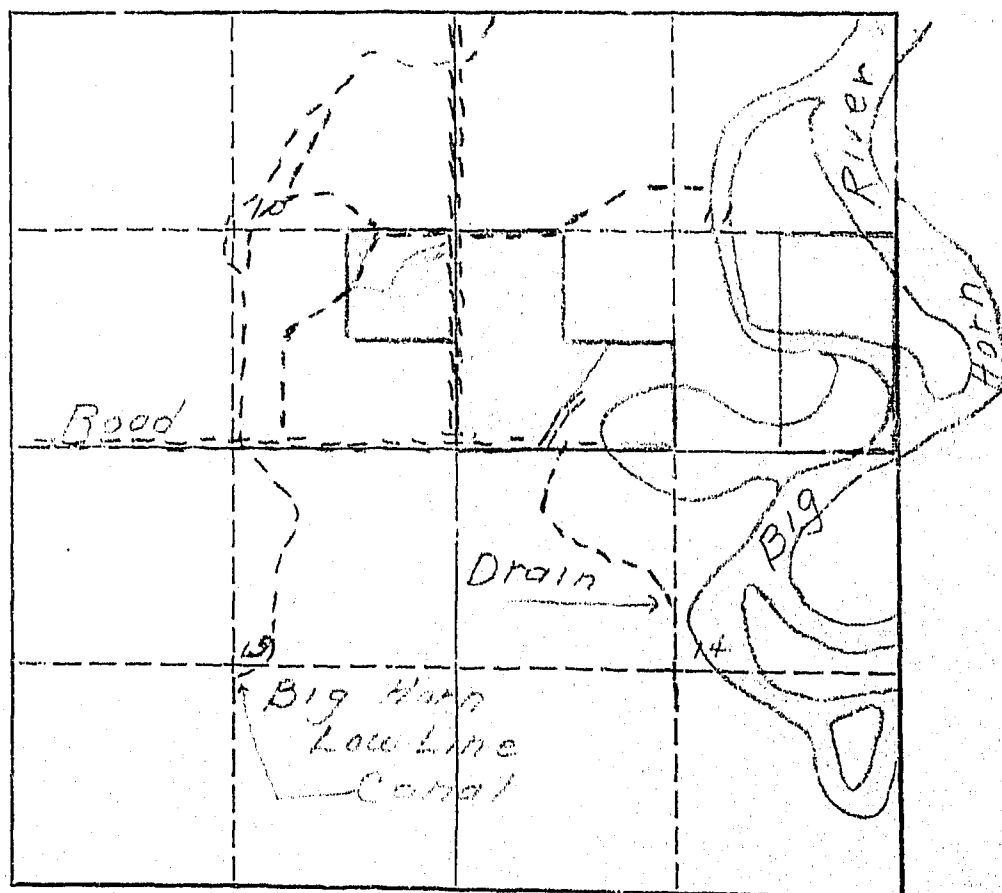
Twp. 2 N<sup>o</sup> Rge. 33 E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2 N Rge. 33 E

Remarks

Farm Map



January 9, 1946

Margaret Keane  
Hardin, Montana

Dear Madam:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in those counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for those acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Margaret Keane

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

CJO:sf

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 337 B County Big Horn Twp. 2 North Rng. 3 East

Name of Owner Keene, James Address Harding, Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 140 ✓ Number of Acres Irrigated in 1940 100

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 75° 10' 10" N. 40° 00' 00" E. 1/4 Sec. 11, T. 2 N., R. 3 E.


LC 40 (10)  
111 (11)

Low line





151  
**STATE OF MONTANA**  
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

Form WR-1--10M 8-45  
Code No. 23 B. 24 A. 27 A  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner King, W. D. Address Hardin, Montana  
Name of Operator King, W. D. & Ryder, Phillip Address Hardin, Montana

**Part A**

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

1. Water is delivered by: Big Horn Low Line Canal  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 564.60 Shares you hold 240
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: Big 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? 446 Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 160
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 286 This land is under what ditch? Big Horn Low Line Canal
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: We are using 286 acres potential as there are only 564.60 in the farms. This figure is the difference between 446 Nat. + 160 private M.R.

OVER

## DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm S $\frac{1}{2}$ , Sec. 23 - lot 7 & NWSW $\frac{1}{4}$ , Sec. 24; NE $\frac{1}{4}$ , Sec. 27, T. 2 N., R. 33E.

The map displays a grid system with solid vertical lines and dashed horizontal lines. A legend at the top indicates that shaded areas represent "IRRIGATED LAND" and unshaded areas represent "NON-IRRIGATED LAND".

- Legend:**
  - [Shaded Box] IRRIGATED LAND
  - [Unshaded Box] NON-IRRIGATED LAND
- Annotations:**
  - "Farm boundary." is written near the top left.
  - A north arrow points upwards, labeled "NORTH".
  - Handwritten labels include "Big", "Ditch", "Road", "C.B.A. R.R.", "Hill", "River", and "Big Hill".
  - Numbers "20", "25", and "76" are scattered across the map.
  - An area on the left is labeled "Pot" and contains some scribbles.

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: King Horn Lane Filling Acres: 160

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name W. B. King Address Hardin Date Jan. 17-46

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.

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Mine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

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On March 11, 1907, the Big Horn water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

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On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345) *js*

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

100  
101  
500

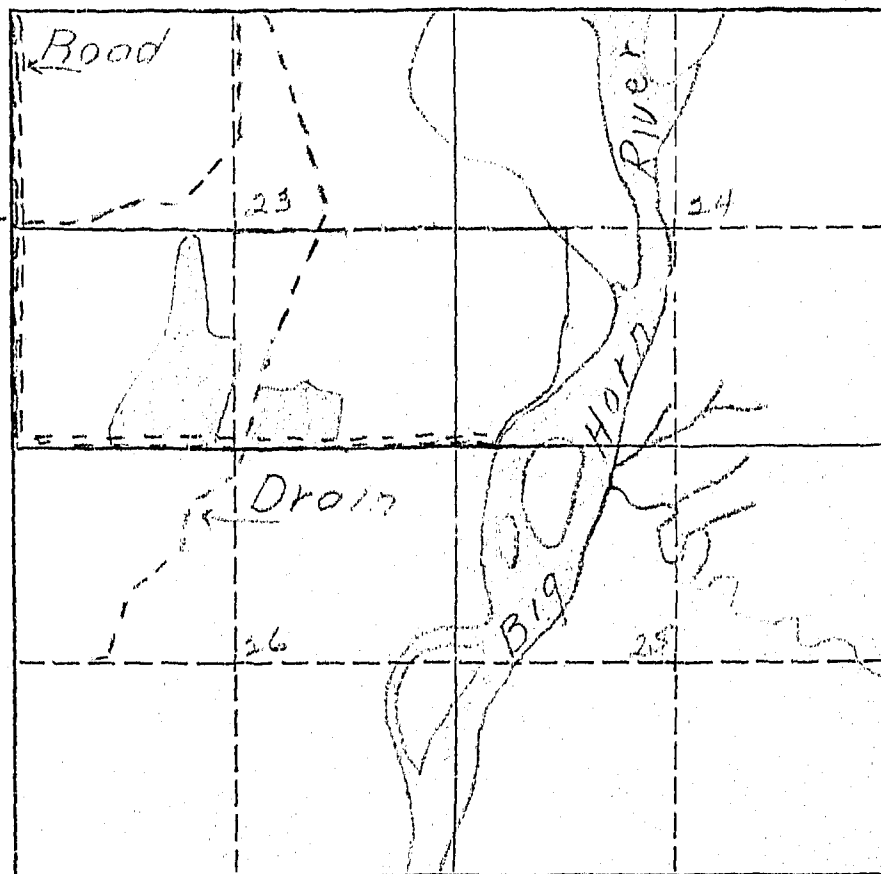
3 25.00  
50  
30  
140  
100x 240  
500  
50.00  
2 25.00  
2 50.00  
4 25.00  
2 50.00

STATE ENGINEERS OFFICE  
Water Resources SurveyCOUNTY ButteFILE NO. 157Owner King, W.D. Address Hardy, Mont.AAA Owner " " Address " "Operator King, W.D. Address Hardy, Mont.New Owner " " Address " "New Operator " " Address " "Assessment Record N<sup>1</sup>SW<sup>4</sup>, Sec. 23 - 2N-33E. 210 AcresW<sup>1</sup>SE<sup>4</sup>, S<sup>1</sup>SW<sup>4</sup>, Sec. 23 - 2N-33E 160.0 " 210.Lot 7, NW<sup>1</sup>SW<sup>4</sup>, Sec. 23 - 2N-33E Assessed Acreage 80.0Legal Description of This Farm N<sup>1</sup>SW<sup>4</sup>, Sec. 23 - 2N-33E. 279 AAA No.W<sup>1</sup>SE<sup>4</sup>, S<sup>1</sup>SW<sup>4</sup>, Sec. 23 - 2N-33E. 278 " "Lot 7, NW<sup>1</sup>SW<sup>4</sup>, Sec. 24 330 " "5<sup>1</sup>Sec. 23 - Lot 7 + NW<sup>1</sup>SW<sup>4</sup>, Sec. 24 Total Acres in Farm 114.64Code Number 23B-24A-

Farm Map

Photo No. " "AAA Contract No. 279-278-330AAA Total Cropland Acreage 201.4App. No. 335-336-337-338-345Decree No. " "

Land is located in

Twp. 2N Rge. 33E Twp. " " Rge. " "Twp. " " Rge. " " Twp. " " Rge. " "Filed in Twp. 2N Rge. 33ERemarks " "

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 151

Owner Krupp, W.D.

Address Hardy Mont.

AAA Owner Krupp, W.D.

Address

Operator Krupp, W.D.

Address Hardy Mont.

New Owner

Address

New Operator

Address

Assessment Record NE 1/4 Sec. 27 - 2 N 33 E

Assessed Acreage 156.31

Legal Description of This Farm NE 1/4 Sec. 27 - 2 N 33 E

Total Acres in Farm 150.0

Code Number 27-9

Photo No. 243-84

AAA Contract No. 329

AAA Total Cropland Acreage 136

App. No. 335-336-337-339-345

Decree No.

Land is located in

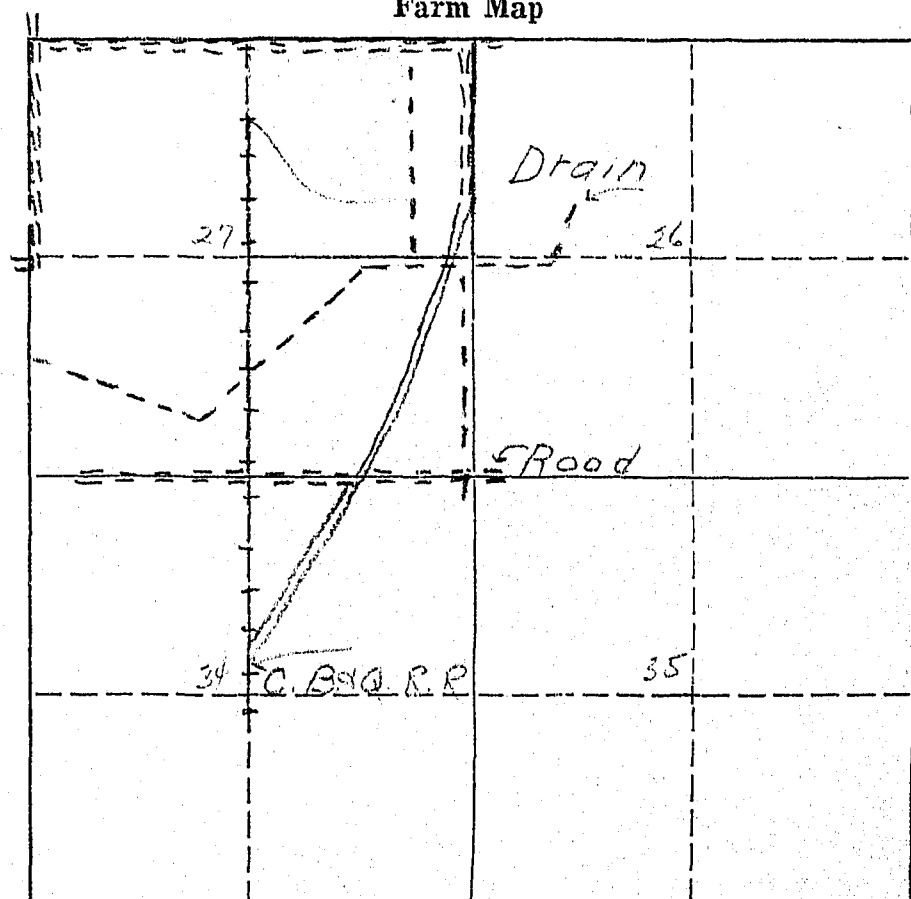
Twp. 2 N Rge. 33 E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2 N Rge. 33 E

Remarks

Farm Map



January 9, 1946

W. D. King  
Hardin, Montana

Dear Mr. King:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. W. D. King

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigated. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P. S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

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On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. C. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Eair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".



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. 329 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner King W.D. Address Hardin, Mont.

Name of Operator Lachenmeyer, Jacob Address " "

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 87

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 114 24 2N-30E

	5				

LC 134

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. 279 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner Big Horn County C. King, D. Address Hardin, Mont.

Name of Operator King, W.D. Address " "

Total Number of Acres in Farm 80 Number of Acres Irrigated in 1940 18

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 N<sup>2</sup>S<sup>4</sup> 23-24-33E


LC 60

Lowline

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. 278 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner King, W. D. Address Harding, Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 77

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 S<sup>2</sup>SW<sup>4</sup> W<sup>2</sup>S<sup>1</sup> T<sup>2</sup>N-33E


20  
40  
39  
39  
138

LC 138

Low line

23-E  
24-A

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. 230 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner King W. J. Address Hardin Blvd

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 100 Number of Acres Irrigated in 1940 100

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 L<sup>2</sup>SE<sup>4</sup> 23 - 20<sup>1</sup>/<sub>7</sub> 14<sup>3</sup>/<sub>4</sub>SW<sup>4</sup> 24 - 24<sup>1</sup>/<sub>2</sub> - 3<sup>1</sup>/<sub>2</sub>E


LC 80 (23)  
L1 (24)  
T41

100/100

23-D

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. 5014 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Big Horn County Address Hardin, Mont.

Name of Operator King, W.D. Address " "

Total Number of Acres in Farm 80 ✓ Number of Acres Irrigated in 1940 50

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 E 1/4 NL 4, 23, 2N-33E


Outline

14-D  
22-F

LC A1 14  
139 23



132

Form WR-1--10M 8-47

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 2.C  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Krieg, F. C. Address Box 1084, Billings, Montana  
Name of Operator Herbel, William Address Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn Low Line Canal and Two Leggings Canal  
Name of Ditch, Ditch Company or District supplying water Big Horn L L 90  
2. State the number of acres you irrigate under this system 125 Shares you hold Two Leggings 64  
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: 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: Big 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? 125 Date Always  
12. How many acres did you irrigate in 1945? (Crop and pasture) 125  
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 10 This land is under what ditch? Big Horn Low Line  
14. How many acres of seeped land do you have which could be drained and put into production? 10  
15. What is the condition of your irrigation system? Good  
16. Is your water supply adequate? Yes ☒ No Explain  
17. REMARKS: There is ten acres, lying on a lower bench than the rest  
of the farm land, it is doubtful whether this could be  
drained successfully.

OVER

10 a. Part

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

## DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm.....SW<sup>1</sup>/<sub>4</sub>, Sec. 2 - Twp. 2 N., Rge. 33 E.

IRRIGATED LAND      NON-IRRIGATED LAND

Farm boundary.

NORTH

Two Leggins Canal  
Big Horn Low Line Canal

Road

11      12

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: Two Leggins Canal. Acres: 64.50

Ditch: Big Horn Low Line Ditch Acres: 61.75

Information supplied by:

Name: J. H. King Address: Box 1084, Ballings Park Date: Jan 19, 1946

REMARKS: Ditch or Source      Shares      Present      Potential      Maximum      Seeded      Twp. Rge.

Ditch or Source	Shares	Present	Potential	Maximum	Seeded	Twp. Rge.
Big Horn Low Line	90	75	10	85	10	2 No. 33E
Two Leggins	64	50	0	50	0	2 No. 33E

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.



Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 Directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

All the water I use comes either through the Big Horn Low Line Ditch or the Two Leggins Water Users Assn Ditch. I have now way of knowing whether the first two appropriations are included in the lat er two.

W. C. Krieg

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 132

Owner Krico, F.C. Address Box 1074 - Billings, Mont.

AAA Owner " Address "

Operator Herbel, Wilton Address Hardin, Mont.

New Owner " Address "

New Operator " Address "

Assessment Record SW 4 Sec. 2 2 N. 33 E

Assessed Acreage 135.0

Legal Description of This Farm SW 4 Sec. 2 2 N. 33 E

Total Acres in Farm 160.0

Code Number 2 C

Photo No. 243-13

AAA Contract No. 325

AAA Total Cropland Acreage 125.6

App. No. 335-336-337-339-345

Decree No. "

Land is located in

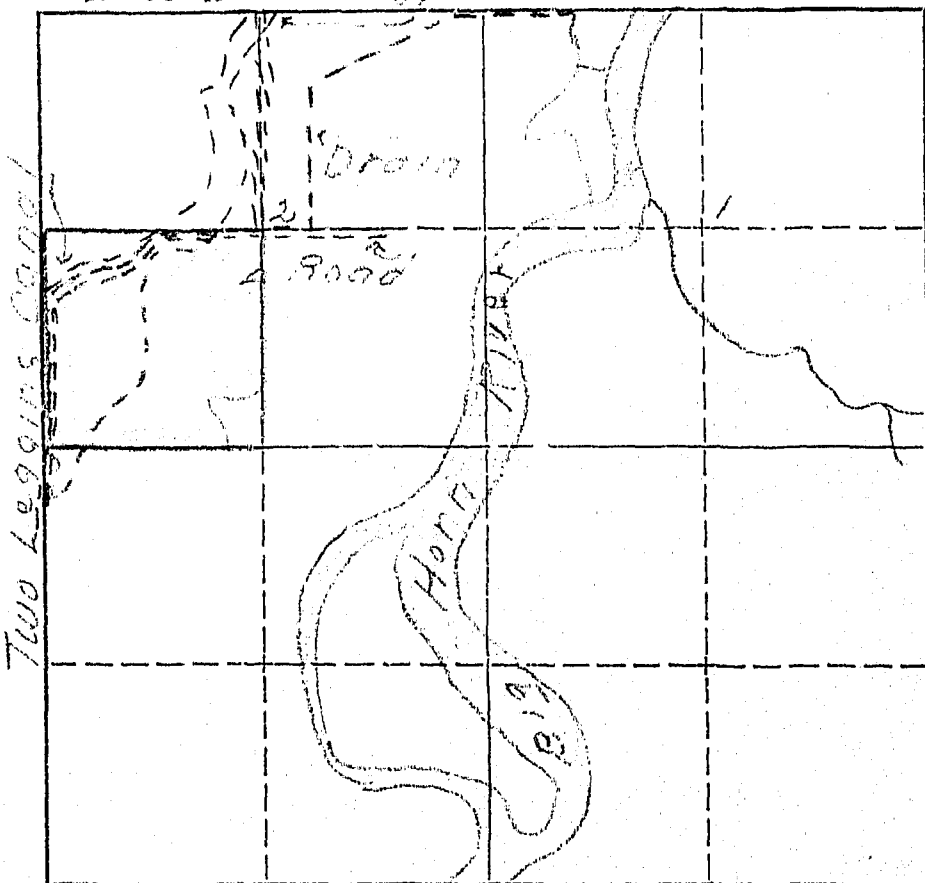
Twp. 2 N. Rge. 33 E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2 N Rge. 33 E

Remarks "

Big Horn  
Low Line Canal Farm Map



January 9, 1946

Mr. F. C. Krieg  
Box 1084  
Billings, Montana

Dear Mr. Krieg:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. F. C. Krieg

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

CJO:cf

Encl.

P. S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 Directors - C. C. Calhoun, Seth H. Hastings, Chas. C. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank R. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 325 County Big Horn Twp. 3 North Rng. 33 East

Name of Owner Kraig, F.C. & Lottie J. Address Billings Mont.

Name of Operator Herbert David, Jr. Address \_\_\_\_\_

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 119

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 SW 1/4, 2, 34-32E

		3			

LC 141  
2 Leq 29  
Lowline 112  
Dis. 150

Two Leq 112  
Lowline



137

Form WR-1-10M-8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 10 E  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Kurtz, Ray Address Hardin, Montana  
Name of Operator Kurtz, Ray Address Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn Low Line Canal  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 75 Shares you hold 20
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: 1/4 1/4 Section Township Range

Part C

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


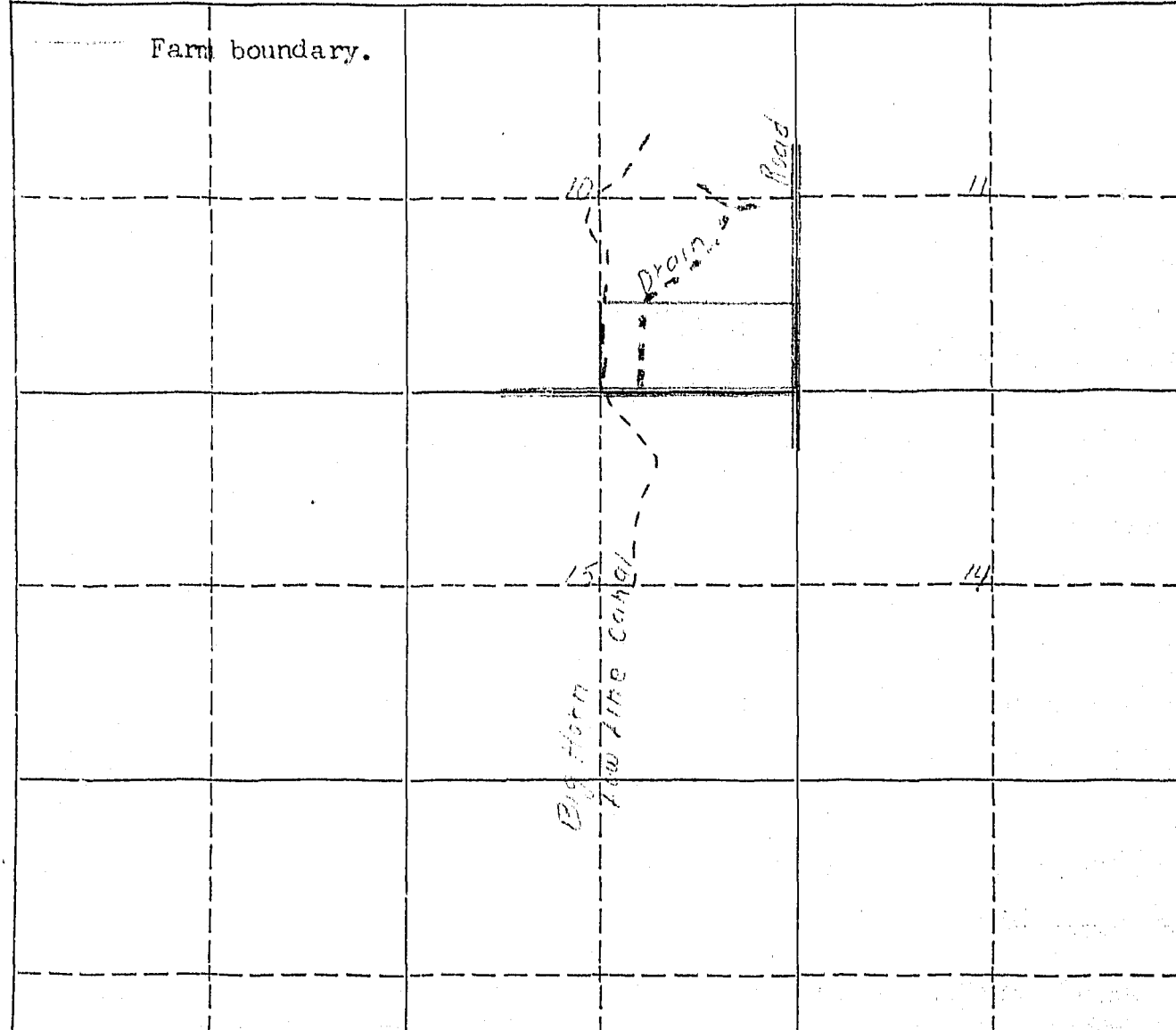
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping ☐ Other ☐
11. What is the greatest number of acres you have irrigated? 80 Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 75
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. none This land is under what ditch? Fetter Ditch
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
16. Is your water supply adequate? Yes ☒ No ☐ Explain
17. REMARKS: Ray Kurtz leveling land and plans to level more. He has now leveled 10 to 15 acres - has irrigated all last spring.

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 S<sup>1</sup>/<sub>2</sub>SE<sup>1</sup>/<sub>4</sub>, Sec. 10 - Twp. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</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: Big Horn Low Line Acres: 75

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Ray Lutz Address Hardin Mont Date Mar. 7, 1946

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 SurveyCOUNTY Big HornFILE NO. 137Owner Murtz, RayAddress Hardin, Mont.AAA Owner " "Address " "Operator " "Address " "

New Owner

Address

New Operator

Address

Assessment Record S<sup>2</sup>SE<sup>4</sup> Sec. 102N<sup>o</sup>-33EAssessed Acreage 40Legal Description of This Farm S<sup>2</sup>SE<sup>4</sup> Sec. 10 2N<sup>o</sup>-33ETotal Acres in Farm 80.0Code Number 10EPhoto No. 243-87AAA Contract No. 1210AAA Total Cropland Acreage 68.6App. No. 335-336-337-338-345

Decree No.

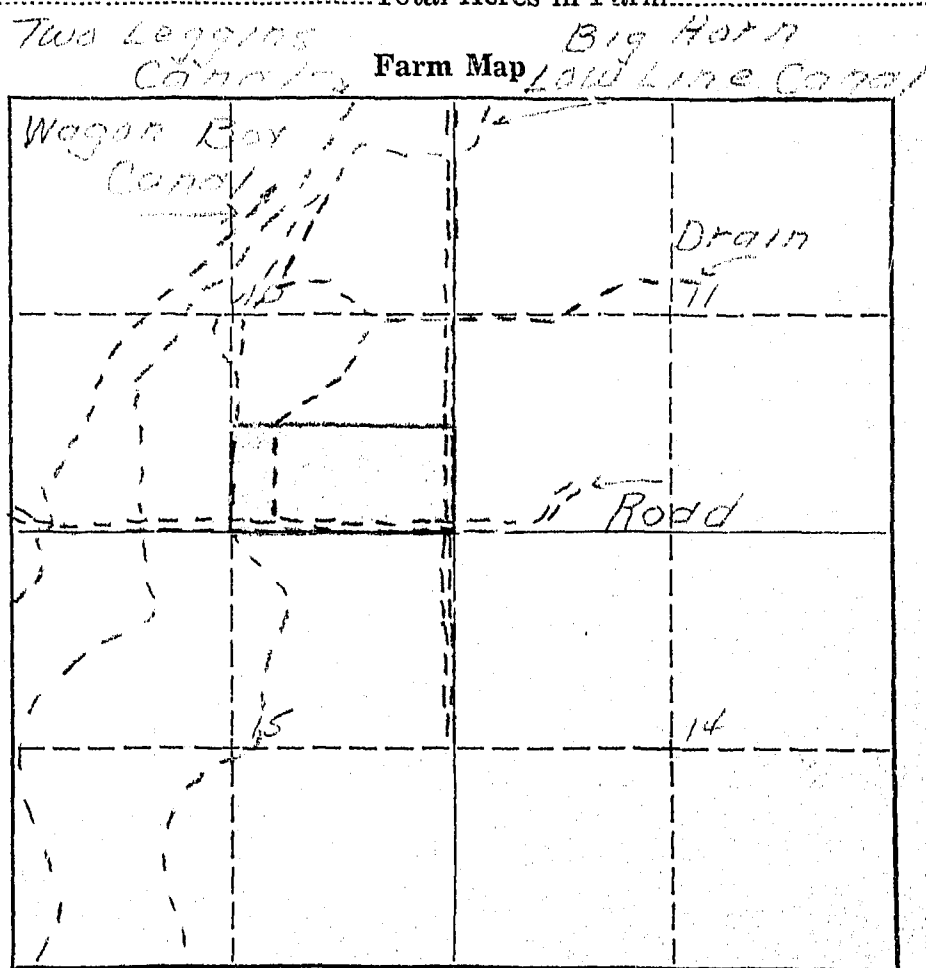
Land is located in

Twp. 2N Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. Rge. 33E

Remarks



January 9, 1946

Ray Kurtz  
Hardin, Montana

Dear Mr. Kurtz:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P. S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. A. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

February 14, 1946

Ray Kurtz  
Herdin, Montana

Dear Mr. Kurtz:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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

GJC:ef:tk

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

March 4, 1946

Mr. Ray Kurtz  
Hardin, Montana

Dear Mr. Kurtz:

On January 9, 1946, we sent you a letter asking for certain information pertaining to your irrigated land in Big Horn County. On February 14th, 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.

Yours very truly,

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

GJO:pw

W.P. 3116  
No. \_\_\_\_\_

A Study of Montana's Water Resources

Form WR-1

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

A.A.A. Contract No. 1210 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner Kurtz, Dave Address Big Horn, Mont.

Name of Operator Kurtz, Ray Address \_\_\_\_\_

Total Number of Acres in Farm 80 Number of Acres Irrigated in 1940 60

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 S38E4, 10-24-88


LC 80

low line



147

Form WR-1-250M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 22 C  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Kurtz, Walter O. Address Hardin, Montana  
Name of Operator Kurtz, W. O. Address Hardin, Montana

Part A

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

- Water is delivered by: Big Horn Low Line Canal & Two Leggins Canal  
Name of Ditch, Ditch Company or District supplying water Big Horn Low Line Canal
- State the number of acres you irrigate under this system 160 Shares you hold 200
- 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

- In what year was this land first irrigated? Date
- Give the name of the original appropriator (first user):
- Give the date appropriated Amount filed on: Miners Inches C. F. S.
- State the total number of acres irrigated under this system:
- 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

- Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
- Water is obtained by: (Check one) Gravity ☒ Pumping Other
- What is the greatest number of acres you have irrigated? 135 Date 1945
- How many acres did you irrigate in 1945? (Crop and pasture) 135
- State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 5 This land is under what ditch? both ditches
- How many acres of seeped land do you have which could be drained and put into production? none
- What is the condition of your irrigation system?
- Is your water supply adequate? Yes No Explain We have had some water shortage under Big Horn Low Line Canal.
- REMARKS: I have 80 acres under Big Horn Low Line Canal, and 80 acres under Two Leggins Canal

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 SW<sup>1</sup>/<sub>4</sub>, Sec. 22 - T. 2 N., Rge. 33 E.

IRRIGATED LAND      NON-IRRIGATED LAND

Farm boundary.

NORTH

Big Horn Low Line Canal

Not irrigated

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. of Low Line Canal

19A. Ditch: Big Horn Low Line Canal all land east of Acres: 8 0 65

Ditch: Two Leggings Canal, all land west of Low Line Canal Acres: 8 0 70  
135

Information supplied by:

Name: Walter O. Kury Address: Hardin Mont. Date: Jan 21, 1946

REMARKS: Breakdown used as on planimeter figures for stream flow

Ditch	Source	Shores	Potential	Maximum	Speed	Temp	Rge
Big Horn Low Line	6.5	5	7.0	0	2 No.	33 E	
Two Leggings	8.0	7.0	0	7.2	0	2 No.	33 E

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  
Notice of Appropriation

Two Dollars D.T.A.

1. County Big Horn Book 4 Page 57 Record Nice
2. Name of Appropriator Edwards, J.H. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches \_\_\_\_\_, Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_  
Head-gate in S.E. 1/4  
Sec. 20 Twp. 2 S Rge. 33 E Bank of Stream \_\_\_\_\_
6. Purpose Irrigation, domestic and stock water
7. Description of System Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep.  
Canal 25 ft. bottom, 31 ft. top 6 ft. deep. Runs N.E.
8. Land Description of Intended Place of Use Twp. 2 S Rge. 33 E  

1 S	33 E
1 N	33 E
2 S	33 E
2 N	33 E
3 S	33 E
3 N	34 E
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.  
et al R.E. Shepherd, C.M. Bair, and J.H. Edwards.

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.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

On November 7, 1907, Cleoria Bacheller, filed for 10 cubic feet from the Wagon Box Coulee, recorded in Miscellaneous Records, Book A, Page 28, Big Horn County. (15)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

*I don't know if these are right or not.*

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 147

Owner Kurtz, Walter D.

Address Hendon Mont.

AAA Owner

Address

Operator Kurtz, W.D.

Address Hendon Mont.

New Owner

Address

New Operator

Address

Assessment Record SW 4 Sec. 22-2N-33E

Assessed Acreage 150

Legal Description of This Farm SW 4 Sec. 22-2N-33E

Total Acres in Farm 143.0

Code Number 22C

Photo No. 243-65

AAA Contract No. 1176

AAA Total Cropland Acreage 134.2

App. No. 335-336-337-338-339-340-341-342-343-344-345-15

Decree No.

Land is located in

Twp. 2N Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

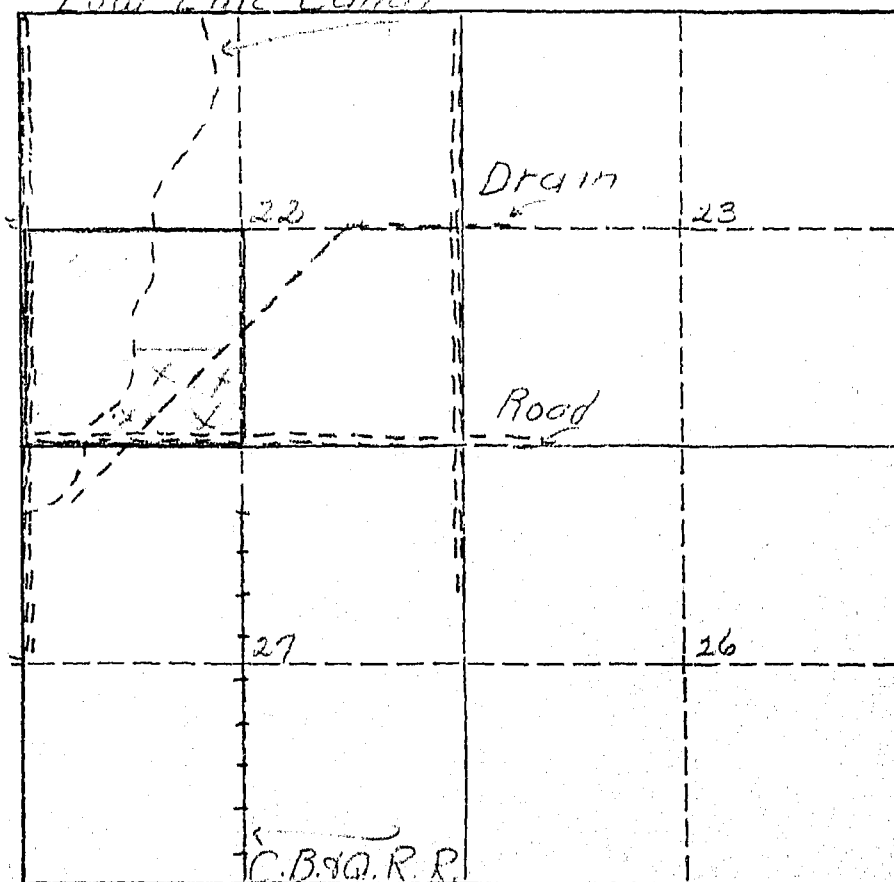
Filed in Twp. 2N Rge. 33E

Remarks

Big Horn

Low Line Canal

Farm Map



January 9, 1946

Walter O. Kurtz  
Hardin, Montana

Dear Mr. Kurtz:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Walter O. Kurtz

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

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On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

On November 7, 1907, Cleoria Bachellet, filed for 10 cubic feet from the Wagon Box Coulee, recorded in Miscellaneous Records, Book A, Page 28, Big Horn County. (15)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 533 County Big Horn Twp. 24N Rng. 33E

Name of Owner Kurtz, Edward Address Hardin, Mont.

Name of Operator Wurtz, Walter Address " "

Total Number of Acres in Farm 200 ✓ Number of Acres Irrigated in 1940 86 2/20 20

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 NE 1/4, NW 1/4, SW 1/4, SE 1/4, Sec 20, T24N, R33E


LC 63

2/20 20  
WB 43



STATE ENGINEERS OFFICE  
Water Resources Survey

Notice of Appropriation

15

1. County Big Horn Book A Page 28 Record Misc
2. Name of Appropriator Clara Bacheller Address \_\_\_\_\_
3. Date Appropriated 11-1-01 Date Filed 11-7-01
- Amount Appropriated, Miners Inches 400, Cubic Feet per second \_\_\_\_\_
4. Name of Stream Dragon River Tributary in S<sup>2</sup>0 E<sup>1</sup> sec 7 2N-33E Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_

Sec \_\_\_\_\_ Twp \_\_\_\_\_ Rge \_\_\_\_\_ Ban<sup>l</sup> of Stream \_\_\_\_\_

6. Purpose Irrigation and stock
7. Description of System SE<sup>1</sup> sec 16 2N-33E  
W<sup>1</sup> N<sup>1</sup> SE<sup>1</sup> sec 22 2N-33E

8. Land Description of Intended Place of Use \_\_\_\_\_

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. 34 C - 4 B

County Big Horn

T. 2 N. R. 33 E.  
1 N. 33 E.

Name of Land Owner Mead, Lillie B. Address 5705 U. St. Little Rock, Ark.

Name of Operator Dumler, Ted Address Hardin, Montana

## Part A

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

1. Water is delivered by: Bix Horn Low Line Canal and Two Leggins Canal *yes*  
Name of Ditch, Ditch Company or District supplying water B.H.L.L. - 50
2. State the number of acres you irrigate under this system 105 acres Shares you hold Two Leggins Co. 105
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 *none*  
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: 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: Big Horn River *yes*  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity *yes* Pumping Other
11. What is the greatest number of acres you have irrigated? 105 acres Date 1945 or every year
12. How many acres did you irrigate in 1945? (Crop and pasture) 105 acres
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. This land is under what ditch?
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*
16. Is your water supply adequate? Yes *yes* No Explain
17. REMARKS:

I do not know the exact shares of water Mrs. Lillie B. Mead has. But she has water rights for the 105 acres.


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 N<sup>1</sup>SW<sup>1</sup>, Sec. 34 - Twp. 2 N., Rge. 33 E.

N<sup>1</sup>SW<sup>1</sup>, Sec. 4 - Twp. 1 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
 NORTH	<p>Farm boundary.</p> <p><i>Two Leggins Canal</i></p> <p><i>Big Horn Low Line Canal</i></p> <p><i>Drain</i></p> <p><i>Road</i></p> <p><i>Tw. Line - 2 No 33 E</i> <i>1 No 33 E</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: 35 acres irrigated by Low Line ditch Co Acres: 35

Ditch: Two Leggins Canal Acres: 70

Information supplied by:

Name Mr. Ted Dumber Address Hardin Mont Date Feb 17 1946

REMARKS:	Ditch or Source	Shares	Present	Potential	Max. Irrig.	Acres	Twp.	Rge.
	<u>Two Leggins Canal</u>	<u>68</u>	<u>29</u>	<u>0</u>	<u>29</u>	<u>0</u>	<u>2 No.</u>	<u>33 E.</u>
	<u>Big Horn Low Line Canal</u>	<u>54</u>	<u>35</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>2 No.</u>	<u>33 E.</u>
	<u>Two Leggins Canal</u>	<u>68</u>	<u>41</u>	<u>0</u>	<u>41</u>	<u>0</u>	<u>1 No.</u>	<u>33 E.</u>

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  
Notice of Appropriation

Two Lines W.D.A.

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches \_\_\_\_\_, Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_  
Head-gate in S.E. 1/4  
Sec. 20 Twp. 2 S Rge. 33 E Bank of Stream \_\_\_\_\_
6. Purpose irrigation, domestic and water-power
7. Description of System Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep.  
Panel 30 ft. deep, 51 ft. to 6 ft. deep. Runs N.E.
8. Land Description of Intended Place of Use  

Twp. <u>2 S</u>	Rge. <u>33 E</u>
<u>1 S</u>	<u>33 E</u>
<u>1 N</u>	<u>33 E</u>
<u>2 N</u>	<u>33 E</u>
<u>3 N</u>	<u>33 E</u>
<u>5 N</u>	<u>34 E</u>
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.  
et al R.E. Shepherd, C.M. Bair, and J.E. Edwards.

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

COUNTY Big Horn

FILE NO. 164

Owner Mead, Willie B. Address 205 W. 1st St. Little Rock, Ark.

AAA Owner " " " Address " " "

Operator Dumler, Ted Address Ho. 100, Mont

New Owner " " " Address " " "

New Operator " " " Address " " "

Assessment Record N<sup>2</sup>SW<sup>4</sup>, Sec. 34 - 2V. 33 E.

Assessed Acreage 60.0

Legal Description of This Farm N<sup>2</sup>SW<sup>4</sup>, Sec. 34 - 2V. 33 E.

Total Acres in Farm 80.0

Code Number 34C

Photo No. 243-82-458

AAA Contract No. 295

AAA Total Cropland Acreage 75.0

App. No. 335-336-337-339-343

Decree No. " " "

Land is located in

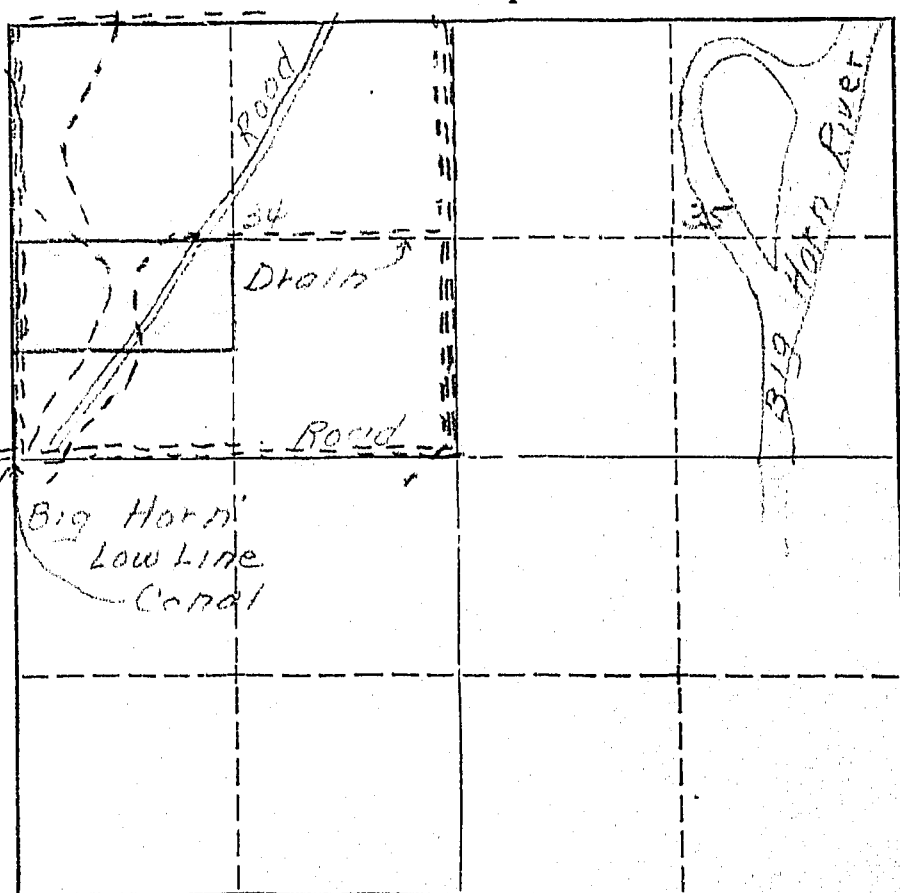
Twp. 2N Rge. 33E Twp. 1N Rge. 33E

Twp. " " " Rge. " " " Twp. " " " Rge. " " "

Filed in Twp. 2N Rge. 33E

Remarks " " "


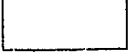

Farm Map



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

## DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm N<sup>1</sup>/<sub>4</sub> NW<sup>1</sup>/<sub>4</sub>, Sec. 4 - Twp. 1 N., Rge. 33 E.

	 IRRIGATED LAND	 NON-IRRIGATED LAND
<p>NORTH</p> 	Farm boundary.	
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: \_\_\_\_\_ Acres: \_\_\_\_\_

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name \_\_\_\_\_ Address \_\_\_\_\_ Date \_\_\_\_\_

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.



164

Form WIR-1-10M 8-15

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 4 B  
County Big Horn  
T. 1 N. R. 33 E.

Name of Land Owner Mead, Lillie B. Address 5705 U. St., Little Rock, Ark.  
Name of Operator Dunler, Jed Address Hardin, Montana

Part A

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

1. Water is delivered by: 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.
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: 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 19...? (Crop and pasture)
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 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:

OVER

January 9, 1946

Mr. Ted Dunler  
Hardin, Montana

Dear Mr. Dunler:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this



Mr. Ted Dumler

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Mine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 3, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 Directors - C. C. Calhoun, Seth E. Hastings, Chas. S. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggin's Water Users Association) filed for 500 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 3, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

February 14, 1946

Ted Dumlort  
Hardin, Montana

Dear Mr. Dumlort:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East and in Township 1 North, Range 33 East.

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. Oravetz  
Ass't State Engineer

GJO:ef:tk

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

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. 395 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Alfred Little Address 1910 Tyler, Little Rock, Ark.

Name of Operator Dumler Ted Address Marlin West

Total Number of Acres in Farm 157.88 80<sup>2</sup> Number of Acres Irrigated in 1940 99 148<sup>2</sup> 36

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 4<sup>th</sup> SW 30<sup>th</sup> 23<sup>rd</sup> Nots 3, 4 Sec 4 - 14<sup>th</sup> 33<sup>rd</sup> E


LC 20  
28<sup>th</sup> 28  
Sec 52

14<sup>th</sup> 33<sup>rd</sup> E



134  
STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form VR-1-10M 3-45  
Code No. 10 D, 15 B  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Mehling, Geo. J. Address Hardin, Montana  
Name of Operator Address

Part A

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

- Water is delivered by: Big Horn Low Line Canal, Two Leggins Canal, and Wagon Box Canal  
Name of Ditch, Ditch Company or District supplying water
- State the number of acres you irrigate under this system. 488 Shares you hold 507
- 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

- In what year was this land first irrigated? Date
- Give the name of the original appropriator (first user):
- Give the date appropriated Amount filed on: Miners Inches C. F. S.
- State the total number of acres irrigated under this system:
- 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

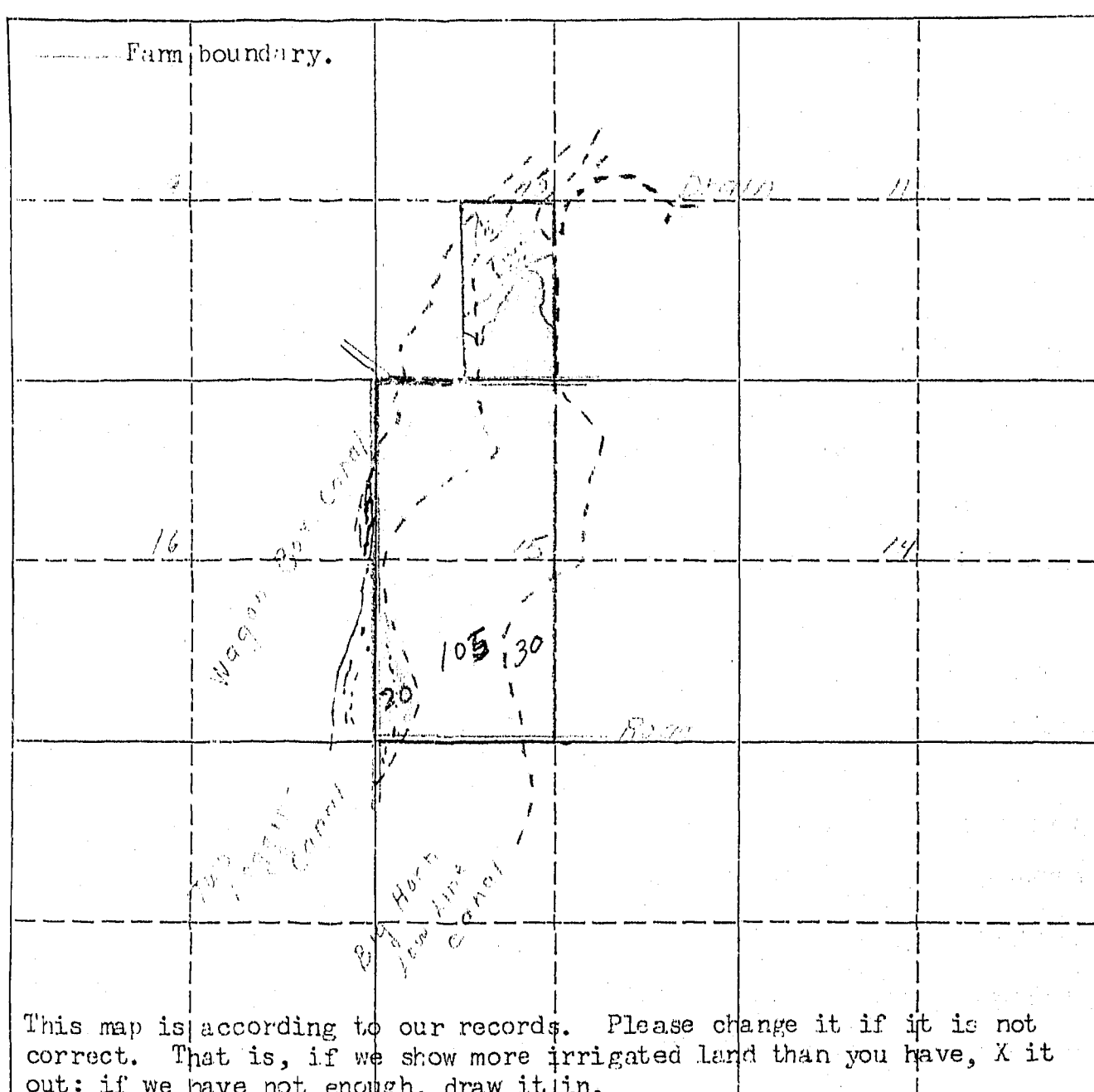
- Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
- Water is obtained by: (Check one) Gravity Pumping Other
- What is the greatest number of acres you have irrigated? Date
- How many acres did you irrigate in 1945? (Crop and pasture) 488
- State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. none This land is under what ditch?
- How many acres of seeped land do you have which could be drained and put into production?
- What is the condition of your irrigation system?
- Is your water supply adequate? Yes X No Explain From Big Horn Low line we irrigate 140
- REMARKS: out of Two Leggin Canal 264 acres out of Wagon Box & Canal 103 acres  
See other form attached for complete data.

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 Sec. 10; SW<sup>1</sup>, Sec. 15; NW<sup>1</sup>, Sec. 15; 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>----- Farm boundary.</p> <p>NORTH</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: Big Horn Low Line Acres: 140  
Ditch: Joe Leggin Acres: 254 259  
Information supplied by: Wagon Box Acres: 103 81  
Name: George Mehlman - Agent Address: \_\_\_\_\_ Date: 1-16-66

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.



134

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1—10M 8-45

Code No. ~~33A~~, 27 B

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Mehling, George J. Address Hardin, 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: Big Horn Low Line Canal and Two Leggins Canal - *Wagon Box*  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. *498* Shares you hold *507*
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: Big 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 19*45*? (Crop and pasture) *488 507 acres*
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 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: *Since 1912 we had 3 or 4 years when we were short on account of low water in river. See other form attached for 1922 state data.*

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 NW $\frac{1}{4}$ , Sec. 27; NE $\frac{1}{4}$ , Sec. 33 - T. 2 N., Rge. 33 E.

☐ IRRIGATED LAND ☐ NON-IRRIGATED LAND

North ↑

Farm boundary.

This land belongs to John Emery

Big Horn Low Line

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: Big Horn Low Line (see information below for entire farm) Acres: \_\_\_\_\_

Ditch: Two ditches Acres: \_\_\_\_\_

Information supplied by: \_\_\_\_\_

Name: George Emery Address: \_\_\_\_\_ Date: 1-16-06

REMARKS: Ditch or Source	Shares	Present	Potential	Maximum	Seeded	TWA	Rge
Big Horn Low Line	120	148	30	178	0	2 No.	33E
Two ditches	264	259	0	259	0	2 No.	33E
Wagon Box	102.0	81	0	81	0	2 No.	33E

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.

Information for all farms



STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 134

Owner McNair, Geo. J. Address Union, Mont.

AAA Owner " Address "

Operator Mohling, John Address Union, Mont.

New Owner " Address "

New Operator " Address "

Assessment Record FSW Sec 10 -

Assessed Acreage 77.0

Legal Description of This Farm FSW Sec 10 2N-33E

Total Acres in Farm 78.0

Code Number 10D-

Photo No. 243-87

AAA Contract No. 797

AAA Total Cropland Acreage 56

App. No. 335-336-337-339-345

Decree No. "

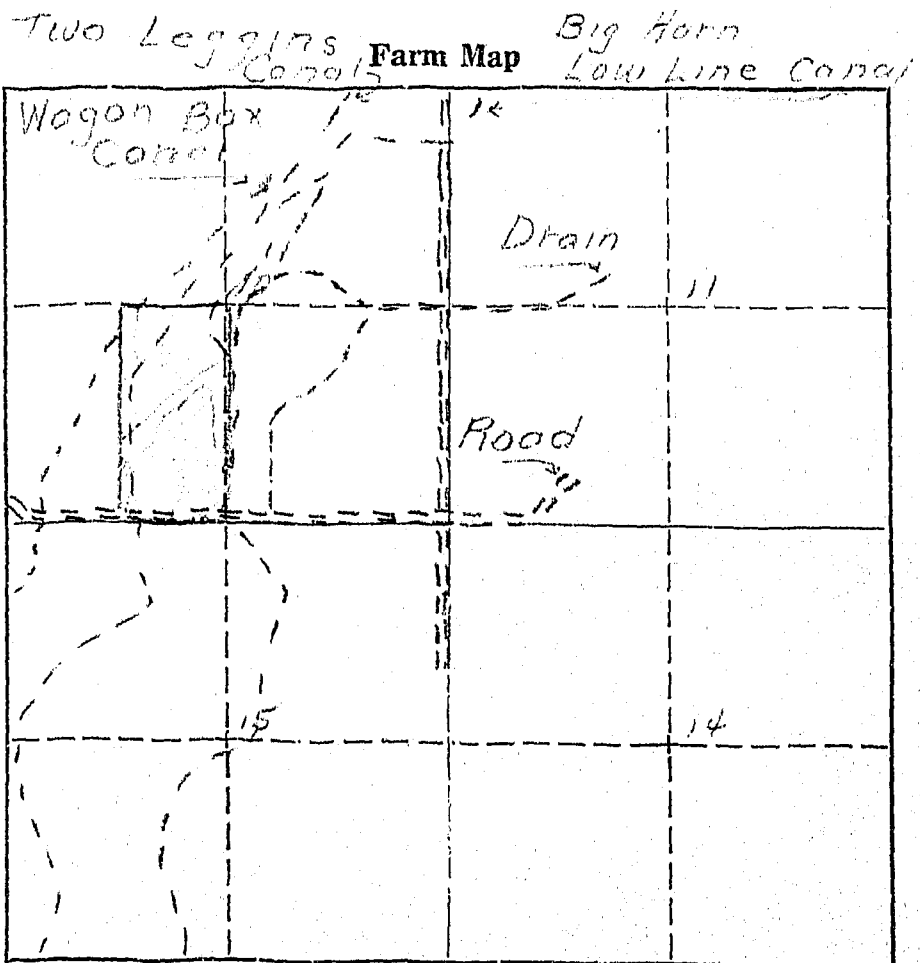
Land is located in

Twp. 2N Rge. 33E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2N Rge. 33E

Remarks "



STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 184

Owner Johnson, George Address Harden, Mont.

AAA Owner " Address "

Operator Gabel, Henry A. Address Harden, Mont.

New Owner " Address "

New Operator " Address "

Assessment Record W. 2, Sec. 15 2 No. 33 E.

Assessed Acreage 280.0

Legal Description of This Farm N 1/4, Sec. 15 2 No. 33 E.

Total Acres in Farm 160

Code Number 15B

Photo No. 243-86

AAA Contract No. 247

AAA Total Cropland Acreage 143.0

App. No. 335-336-337-338-345

Decree No. "

Land is located in

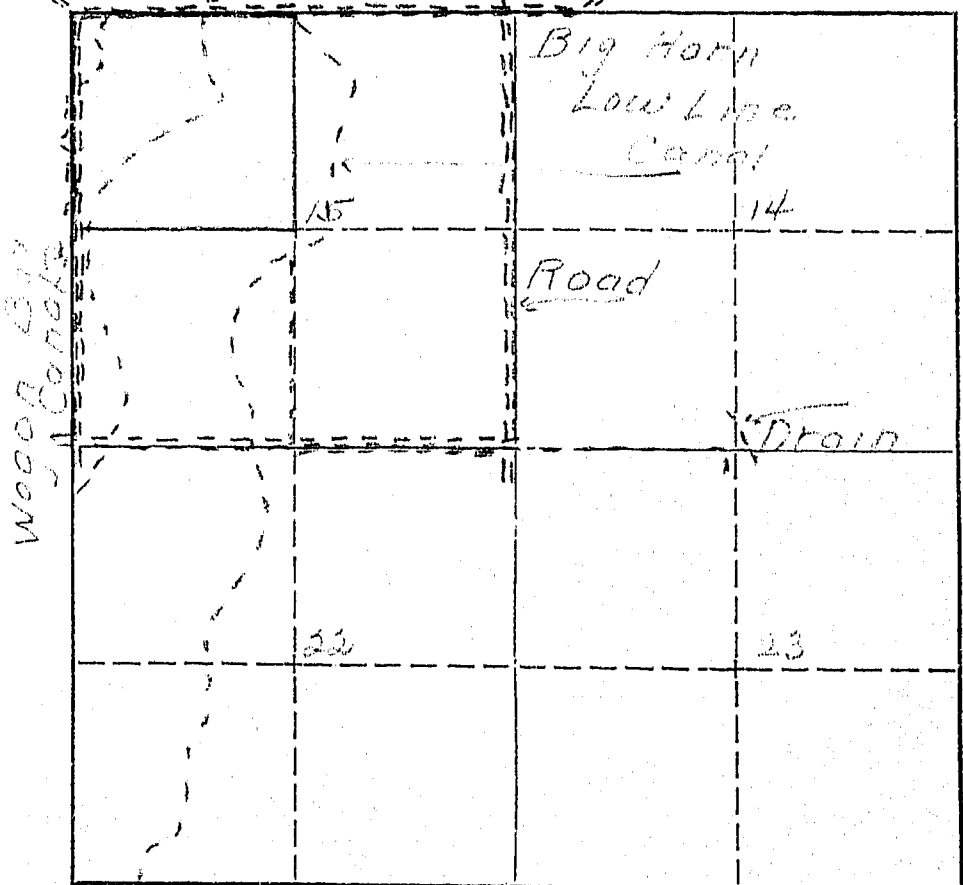
Twp. 2 N Rge. 33 E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2 N Rge. 33 E

Remarks "

Two Leggings  
Canal Farm Map



STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 154

Owner Mebbing, George Address Hardin, Mont.

AAA Owner " Address "

Operator Buechler, Andrew Address Hardin, Mont.

New Owner " Address "

New Operator " Address "

Assessment Record Sec. 15 - 2 No. 33 E

Assessed Acreage 280.0

Legal Description of This Farm SW 1/4 Sec. 15 - 2 No. 33 E

Total Acres in Farm 160.0

Code Number 15B

Photo No. 243-86-

AAA Contract No. 348

AAA Total Cropland Acreage 131.6

App. No. 335-336-337-339-345

Decree No. "

Land is located in

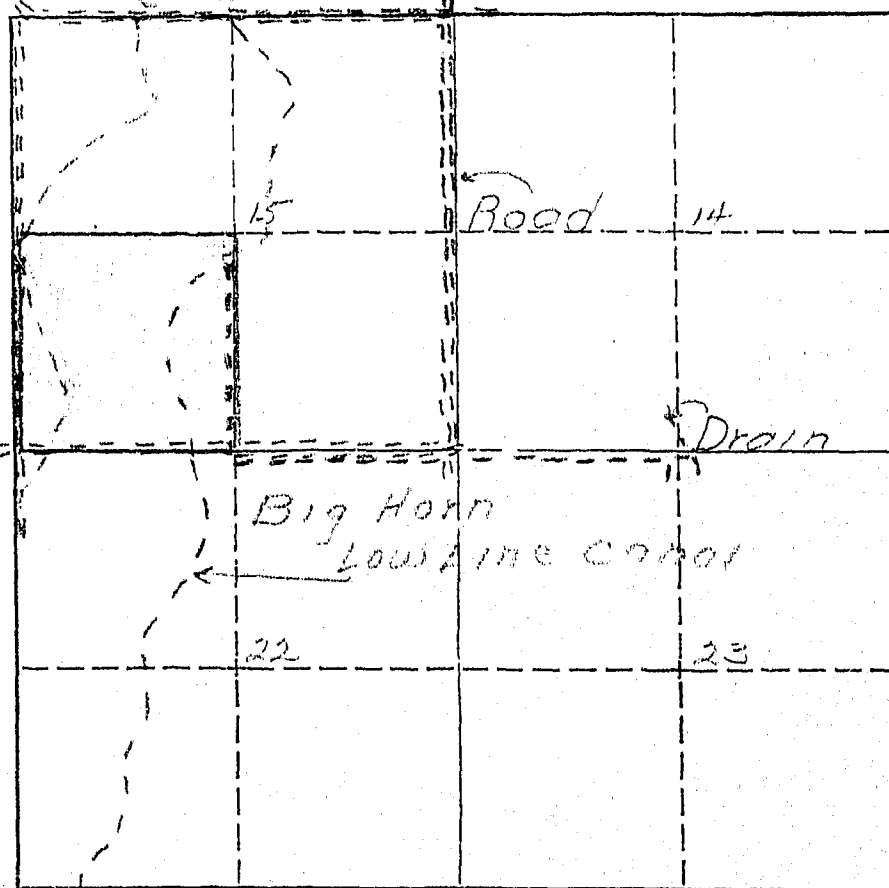
Twp. 2 N Rge. 33 E Twp. " Rge. "

Twp. " Rge. " Twp. " Rge. "

Filed in Twp. 2 N Rge. 33 E

Remarks "

Two Leggings  
Canal Farm Map



STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 134

Owner Mehling, George J. Address Hardin, Mont.

AAA Owner Mehling, Geo. & John Address Hardin, Mont.

Operator Spanier, Pete Address Hardin, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record N 40 Sec. 27 - 2 Ns. 33 E.

Assessed Acreage 134.76

Legal Description of This Farm N 40 Sec. 27 - 2 Ns. 33 E.

Total Acres in Farm 160

Code Number 27 B -

Photo No. 343.84

AAA Contract No. 313

AAA Total Cropland Acreage 134

App. No. 335-336-337-339-345

Decree No. \_\_\_\_\_

Land is located in

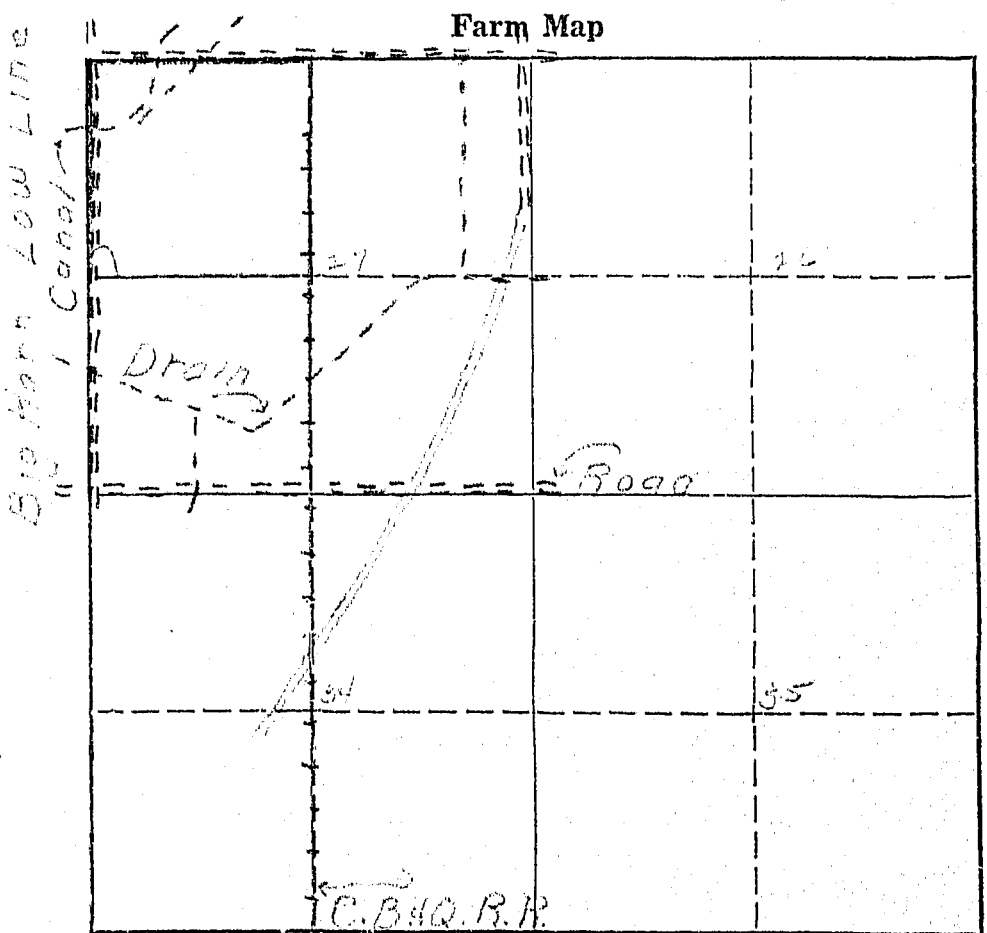
Twp. 2 N Rge. 33 E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 2 N Rge. 33 E

Remarks \_\_\_\_\_

Farm Map



January 9, 1946

Mr. George J. Mehling  
Hardin, Montana

Dear Mr. Mehling:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. George J. Mehling

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Two Lessons W.U.A.

1. County.....Big Horn.... Book.....A..... Page.....53..... Record Misc.....

2. Name of Appropriator.....Edwards, J.E. et al..... Address Yellowstone County, Mont.....

3. Date Appropriated.....6/11/09..... Date Filed.....6/15/09.....

Amount Appropriated, Miners Inches....., Cubic Feet per second.....600

4. Name of Stream.....Big Horn River..... Tributary..... Basin.....

5. Point of Diversion.....

Head-gate in S.E. 1/4

Sec.....20..... Twp. 2 S..... Rge. 33 E..... Bank of Stream.....

6. Purpose.....K.....Irrigation, domestic and water-power.....

7. Description of System.....Concrete head-gate with 5 gates 6 ft.wide, 6 ft.deep.  
Canal 33 ft.bottom, 51 ft. top 6 ft.deep. Runs N E.

8. Land Description of Intended Place of Use.....

Twp	2 S	Rge.	33 E
	1 S		33 E
	1 N		33 E
	2 N		33 E
	3 N		33 E
	3 N		34 E

9. Remarks (Pertaining to Use, etc.).....Selling and disposing of surplus water.  
et al R.E.Shepherd, C.M.Bair, and J.E.Edwards.

# 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.) .....

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Bellow, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 800 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Talhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes."



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. 319 County Richmond Twp. 2 North Rng. 3 East

Name of Owner Phillips, George Address Hardin Mont.

Name of Operator Phillips, John Address "

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 144

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 7E 33 24-33E


LC 160

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. 4001 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Melvin George Address Hardin Mont

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 80 Number of Acres Irrigated in 1940 56 <sup>2 Pgs 38</sup> <sub>WB 18</sub>

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 5<sup>th</sup> SW 10-2N-33E


LC 80  
2 Pgs 55  
WB 25

*Handwritten notes:*  
10-2N-33E  
10-2N-33E

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. 347 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner Mohling, George Address Hardin, Mont

Name of Operator Wagner, G. Address "

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 156 <sup>28 100</sup><sub>108 13</sub>

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, 15-2N-3E


L 2 156  
28 100  
108 13

Two 1/2 sections  
Wagner

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. 578 County Wayne Twp. North Rng. 3 East

Name of Owner Mchling, George Address Harlem, N.Y.

Name of Operator W. J. P. Address \_\_\_\_\_

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 32 *Canal 30*

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 SW 1/4 Sec 34 T2N R2E S2E

A 6x6 grid with solid and dashed lines. The bottom-left cell contains a shaded square with the letter 'D' and the number '15' written next to it.

LC	155
2 Eggs	105
1 Egg	20
1 Boy	20

1992

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. 515 County Blaine Twp. 2 North Rng. 5 East

Name of Owner Mehner, George Address Hardy, Ark.

Name of Operator Yarger, Luke Address " "

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 134 289 16  
144 118

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 1/4 NW 27-24-34E


LC 160  
289 16  
144 118  
760



134 0  
STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

m WR-1-10M 3-46  
Code No. 33 A  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Mehling, John Address Hardin, Montana  
Name of Operator Schafer, Dave Address Hardin, Montana

Part A

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

1. Water is delivered by: Two Leggins Canal  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 155 Shares you hold 160
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): Rosmond Brothers
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: Big 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? 155 Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 155
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. This land is under what ditch?
14. How many acres of seeped land do you have which could be drained and put into production? 20 a.
15. What is the condition of your irrigation system? good
16. Is your water supply adequate? Yes yes No Explain
17. REMARKS: I have 20 a. of land on a other farm it could be drained.  
This has been reported by the owner.

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.....NE<sup>1</sup>/<sub>4</sub> Sec. 33 - Twp. 2 N., Rge. 33 E.....

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary</p>	
	<p>Wagon Box Canal Headgate</p>	
	<p>Wagon Box Canal</p>	
	<p>Two Leggins Canal</p>	
	<p>Big Horn Low Line Canal</p>	
	<p>Section 27 Town 2 N. Range 33 E.</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.

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: Two Leggins Acres: 155

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name John Mehling by mail Address \_\_\_\_\_ Date 2-4-46

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

Two Legals W.U.A.

Notice of Appropriation

1. County...Big Horn... Book...A... Page...53... Record...Misc...
2. Name of Appropriator...Edwards, J.E. et al... Address...Yellowstone County, Mont...
3. Date Appropriated...6/11/09... Date Filed...6/15/09  
Amount Appropriated, Miners Inches..., Cubic Feet per second...600
4. Name of Stream...Big Horn River... Tributary... Basin...
5. Point of Diversion...Head-gate in S E 1/4  
Sec...20... Twp...2 S... Rge...33 E... Bank of Stream...
6. Purpose...Irrigation, domestic and water-power.
7. Description of System...Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep.  
Canal 33 ft. bottom, 51 ft. top, 6 ft. deep. Runs N.E.
8. Land Description of Intended Place of Use...

Twp 2 S	Rge. 33 E
1 S	33 E
1 N	33 E
2 N	33 E
3 N	33 E
3 N	34 E
9. Remarks (Pertaining to Use, etc.)...Selling and disposing of surplus water.  
et al = R.E.Shapard, C.M.Bair, and J.E.Edwards.

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

COUNTY Big Horn

FILE NO. 134 A

Owner Mehling, John Address Hardin, Mont.

AAA Owner Mehling, George Address Hardin, Mont.

Operator Schafer, Dave Address Hardin, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record NE<sup>4</sup> Sec 33- 2N- 33E

Assessed Acreage 160.0

Legal Description of This Farm NE<sup>4</sup> Sec 33 2N- 33E

Total Acres in Farm 160

Code Number 33A

Photo No. 243-82-50

AAA Contract No. 319

AAA Total Cropland Acreage 144

App. No. 335-336-337-338-345

Decree No. \_\_\_\_\_

Land is located in

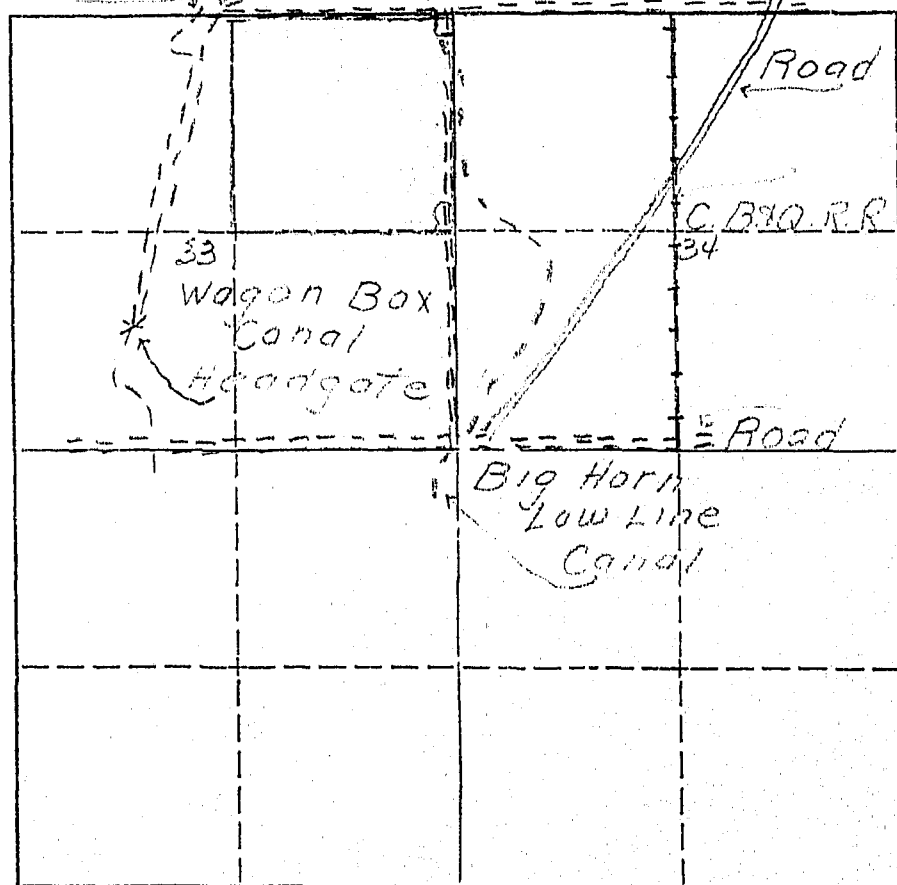
Twp. 2N Rge. 33E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 2N Rge. 33E

Remarks \_\_\_\_\_

Wagon Box Two Leggin's Canal  
Farm Map





153

Form WR-1-10M 8-46

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 25 A, 26 A

County Big Horn

T. 2 N. R. 33 #.

Name of Land Owner Montana, State of Address

Name of Operator Hammer, Walter &amp; Bernice Address Hardin, Montana

## Part A

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

1. Water is delivered by: Big Horn Land Line  
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: Big 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) 0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 322 This land is under what ditch? Big Horn Land Line
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


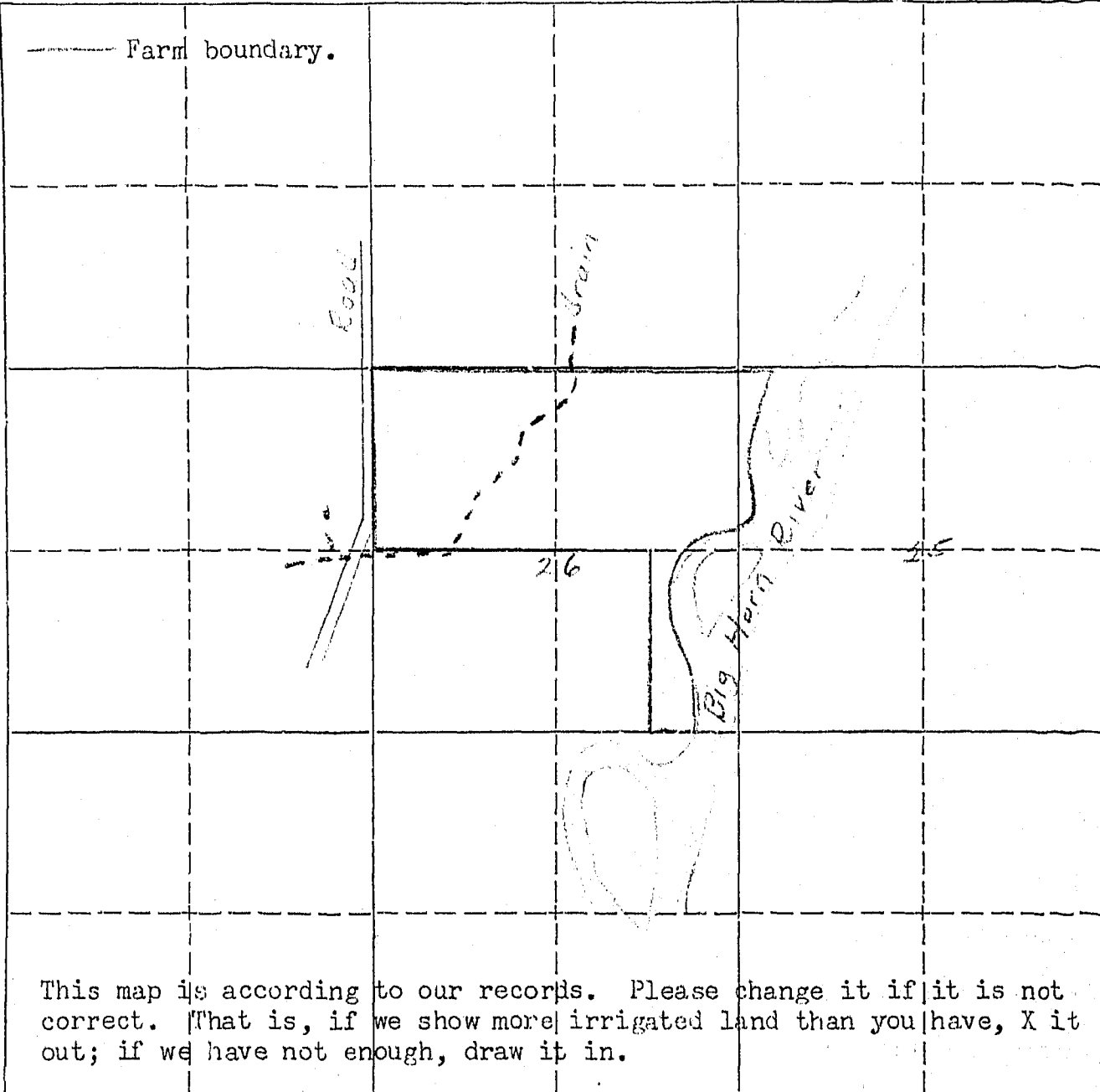
17. REMARKS: This land is not now irrigated but could be by land leveling and supplying water from Big Horn Land Line Canal. Land is now used for grazing.

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. Lots 2, 3, Sec. 25; Lots 2, 3, N $\frac{1}{2}$ , Sec. 26; T. 2 N., R. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
 NORTH	<p>----- Farm boundary.</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: \_\_\_\_\_ Acres: c

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Henry David Field check + Plowmaster Address \_\_\_\_\_ Date Jan 18-46

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 Payson

FILE NO. 153

Owner \_\_\_\_\_ Address \_\_\_\_\_

AAA Owner Monroe, State of Address \_\_\_\_\_

Operator Hammer, Walter Address Hardin, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record None

Assessed Acreage \_\_\_\_\_

Legal Description of This Farm lots 2, 3, Sec. 25 lots 2, 3, N<sup>2</sup>, Sec. 26 - 2N-33E

Total Acres in Farm 400

Code Number 25A-26A

Photo No. 243-84, 243-17-18,

AAA Contract No. 311

AAA Total Cropland Acreage 25.0

App. No. 335-336-337-339-345

Decree No. \_\_\_\_\_

Land is located in

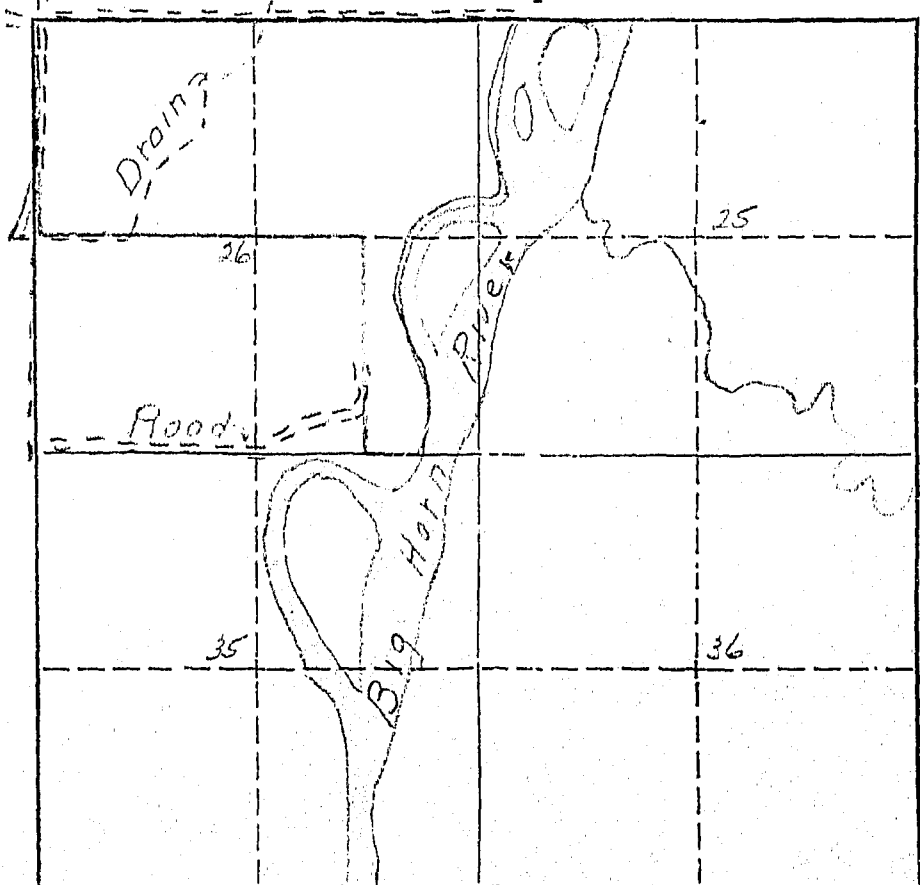
Twp. 2N Rge. 33E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 2N Rge. 33E

Remarks Send to Hammer with  
his #154-

Farm Map



Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (Seven directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

*Yes* On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

*Yes* On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 311 County Big Horn Twp. 2 North Rng. 33 East  
Name of Owner State of Montana Address Helena, Mont.  
Name of Operator Hammer, Walter Address Hardin, Mont.  
Total Number of Acres in Farm 402.52 Number of Acres Irrigated in 1940 25

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, 3, sec 25, Lots 1, 2, 3, N<sup>45</sup>W<sup>45</sup> SE<sup>45</sup> NW<sup>45</sup> 26-2N-33E


LC 20 (28)  
291 (26)  
311

Outline

282  
91

282



157

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

PM WR-1-10M 2-15

Code No. 27 D

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Montana, State of Address

Name of Operator Montana, State of Address

## Part A

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

1. Water is delivered by: Big Horn River  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system. 20 Shares you hold none
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: Big 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? 10 Date June 1 - 46
12. How many acres did you irrigate in 1950? (Crop and pasture) 15
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 95 This land is under what ditch? Low Line
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
16. Is your water supply adequate? Yes ☒ No Explain
17. REMARKS:


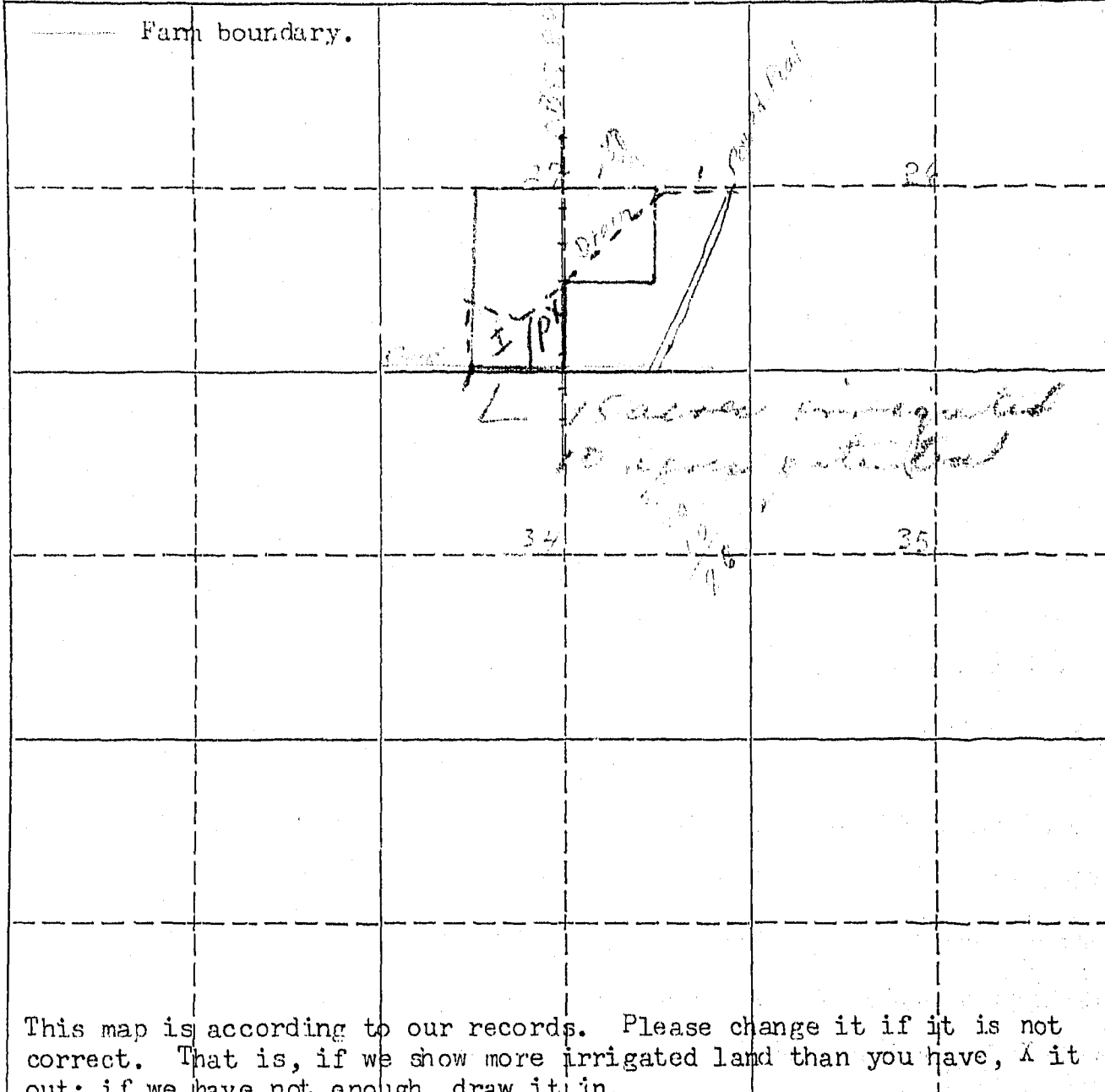
Figure Potential. planimeter Measure 9.5 acre  
Then no water right is held to, but get  
work from a neighbor.

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.  $E\frac{1}{2}SW\frac{1}{4}$ ,  $NWSE\frac{1}{4}$ , Sec. 27 - Twp. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</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.

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: Big Horn River Acres: 15

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Bowers, Merle Address \_\_\_\_\_ Date July 7-46

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. 157

Owner Montana, State of Address \_\_\_\_\_

AAA Owner \_\_\_\_\_ Address \_\_\_\_\_

Operator \_\_\_\_\_ Address \_\_\_\_\_

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator Bowers, Merle Address Hardin

Assessment Record None

Assessed Acreage \_\_\_\_\_

Legal Description of This Farm E 1/4 SW 1/4, NW 1/4 Sec. 27 - 2N - 33E.

Total Acres in Farm 120.0

Code Number 27D

Photo No. 243-84

AAA Contract No. 8515

AAA Total Cropland Acreage 0

App. No. 16-335-336-337-339-345

Decree No. \_\_\_\_\_

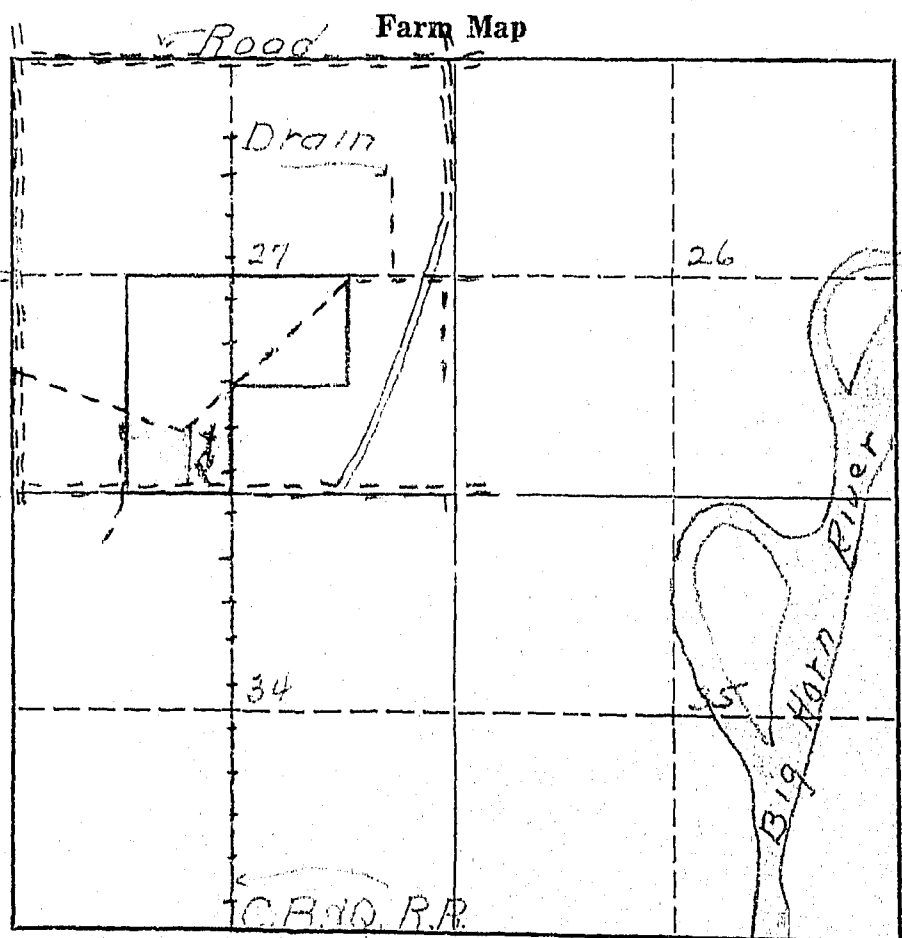
Land is located in

Twp. 3N Rge. 33E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Remarks 110



7

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. C. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1907, J. L. Edwards, R. E. Chepherd, C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

On June 6, 1917, Samuel and John T. Young filed for 200 miners inches from the Two Leggins Canal Waste, recorded in Miscellaneous Records, Book 1, Page 343, Big Horn County. (16)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

W.P. 3116  
No. \_\_\_\_\_

A Study of Montana's Water Resources

Form WK-4

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

A.A.A. Contract No. \_\_\_\_\_ County Big Horn Twp. North Rng. 33 East

Name of Owner State of Montana Address Helena, Mont.

Name of Operator \_\_\_\_\_ Address \_\_\_\_\_

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

*About 35 acres irrigated*  
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 descrip-  
tion from county ownership records and correct boundaries if necessary.

Legal Description E3W7W35E27-24-33E

*Not in program*


LC 160

*low line*

STATE ENGINEERS OFFICE  
Water Resources Survey

## Notice of Appropriation

1. County Big Horn Book 1 Page 343 Record Misc.
2. Name of Appropriator Samuel E. Young Address \_\_\_\_\_
3. Date Appropriated 6-6-17 Date Filed 6-6-17
- Amount Appropriated, Miners Inches 200, Cubic Feet per second \_\_\_\_\_
4. Name of Stream Waste from Jock Higgins Canal Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion 400 ft. east of the SW corner of NE 1/4 of
- Sec. 28 Twp. 2N Rge. 33E Bank of Stream \_\_\_\_\_

6. Purpose Irrigation and other
7. Description of System ditch 12" x 36"
8. Land Description of Intended Place of Use SE 1/4 Sec 28 2N-33E  
Lot 8, SW 1/4, SE 1/4, Sec 28, 2N-33E
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.) \_\_\_\_\_



150  
STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1-10M 3-45

Code No. 23 A

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Nelson, Alice & Maude Address Hardin, Montana  
c/o Mrs. Ralph Franklin  
Name of Operator Kurtz, Alvin Address Hardin, Montana

Part A

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

1. Water is delivered by: Big Horn Low Line Ditch  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 160 Shares you hold 155
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


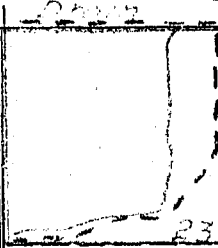
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping..... Other.....
11. What is the greatest number of acres you have irrigated? 160 <sup>155</sup> Date.....
12. How many acres did you irrigate in 1945...? (Crop and pasture) 120
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? Big Horn Low Line
14. How many acres of seeped land do you have which could be drained and put into production? 40
15. What is the condition of your irrigation system?.....
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 NW 1/4, Sec. 23 - Twp. 2 N., Rge. 33 E.

		<input checked="" type="checkbox"/> IRRIGATED LAND	<input type="checkbox"/> NON-IRRIGATED LAND
NORTH 	Farm boundary.		
		23	24
		26	25

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: Big Horn Line Ditch Acres: 120

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Low Line Ditch Co Address Hardy Date 7/8/46

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.



150

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

rm WR-1 -10M 8-45

Code No. 2317  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Nelson, Alice + Maude Address 90 Mrs Ralph Franklin  
Name of Operator Kurtz, Edwin Address Hardin, Mont

Part A

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

1. Water is delivered by: Big Horn Land Co.  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 160 Shares you hold 155
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 1908
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: Big 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? 155 Date
12. How many acres did you irrigate in 1945? (Crop and pasture) 120
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 0 This land is under what 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
17. REMARKS: 160 acres irrigated has been  
with a road right of way = 155

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 NW 1/4 Sec. 23 - 1 No - 33 E

☐ IRRIGATED LAND      ☐ NON-IRRIGATED LAND

NORTH ↑

The map shows a 6x6 grid of sections. A road is labeled 'Road' vertically in the third column. A ditch is labeled 'Ditch' vertically in the fourth column. A large area in the center is labeled '23' and is outlined with a dashed line. A river is labeled 'Big Horn River' diagonally on the right side of the grid.

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: Big Horn Low Line Acres: 160

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name see letter attached Address \_\_\_\_\_ Date 3-14-46

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.



Allie S. House Nelson  
c/o Mrs. Helah Franklin  
Bar in, Mont.

No. of items 100  
as indicated 100  
Big Horn Low Line Pipe Co.  
Big Horn River  
Pipe for supplied by gravel  
Indicated since 1908

Meriden, Conn.

March 15, 1946.

Mr. G.J. Orvitz,

Willimantic, Conn.

Dear Sir:

I am sorry to be so slow in giving the information to you that you asked me for.

I've been working on it but not with much co-operation.

When I first received the form to be filled out I took it to our Co. Att'y and asked him to tell me where I could get the information and he said they had it and he would be glad to fill it out and send it in for me.

So I left all the papers with him.

When I received your letter telling me I had not sent in the information you desired I went at once to Co. Att'y.

The office girl said they mailed the form to H.A. Williams, Sec'y of Low Line Ditch Co., so I got in touch with Mr Williams and he said that he never received the papers. So evidently they have gone astray.

The enclosed sheet will give you the information you seek I believe. I obtained this information from Mr. Williams.

I am sincerely,

*Mrs. Ralph Franklin*

3-14-46

2 No - 33 E.

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 150

Owner Nelson, Alice + Maude to Mrs. Ralph Franklin Address Hardy, Mont.

AAA Owner Nelson, Alice + Maude Address ?

Operator Nelson, Alice Address Hardy, Mont.

New Owner Address

New Operator Address

Assessment Record NW 1/4 Sec. 23 2N 33E

Assessed Acreage 40.0

Legal Description of This Farm NW 1/4 Sec. 23 - 2N 33E

Total Acres in Farm 160.0

Code Number 23A

Photo No. 243-16

AAA Contract No. 335

AAA Total Cropland Acreage 119.8

App. No. 335-336-337-338-345

Decree No.

Land is located in

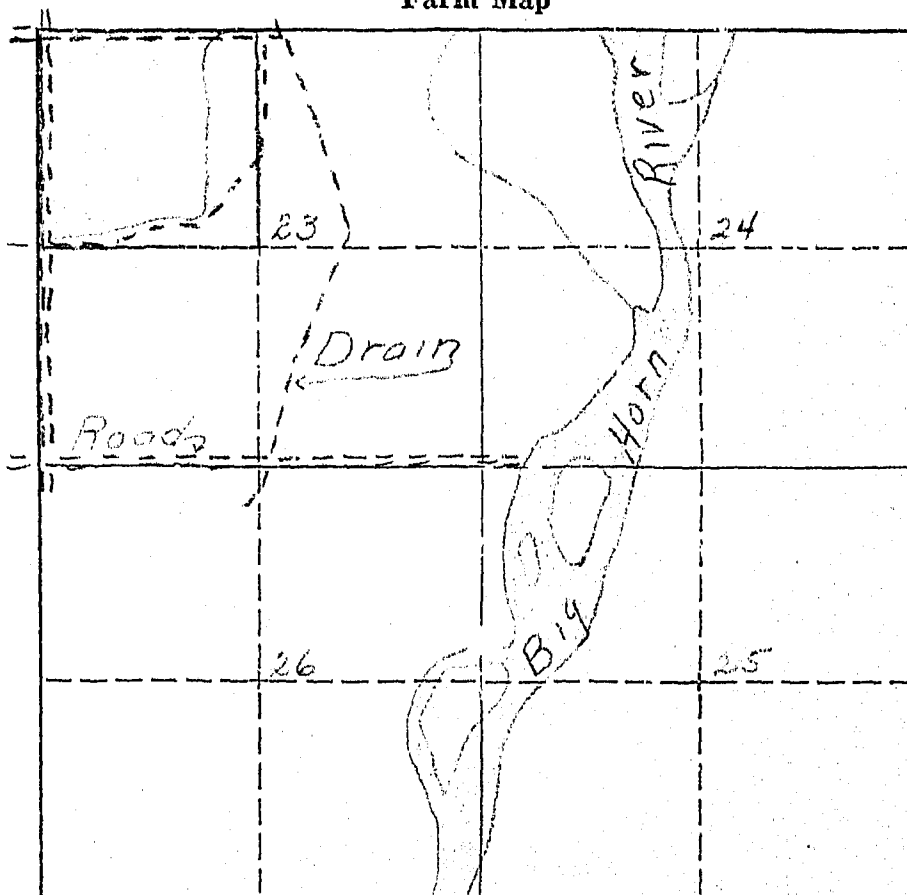
Twp. 2N Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2N Rge. 33E

Remarks

Farm Map



January 9, 1946

Alice & Maude Nelson  
Hardin, Montana

Mesdames:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Alice & Maude Nelson

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Cravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

March 4, 1946

Alice and Maude Nelson  
c/o Mrs. Ralph Franklin  
Hardin, Montana

Dear Madam:

On January 26, 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. Oravetz  
Ass't State Engineer

CJO:pw

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

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Rine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors -- C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

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. 338 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Nelson, Alice & Paul Address Hardin, Mont.

Name of Operator Walter Nelson Address " "

Total Number of Acres in Farm 1100 Number of Acres Irrigated in 1940 120

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 NW 1/4, 23, 24 N - 33 E


LC 145

Lea Line





160

Form WR-1-10M-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 32 B, 33 C  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Norris, Col. L. E. Address 130 W. 12 St., New York, New York  
Name of Operator Ransier, J. H. Address Hardin, Montana

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

1. Water is delivered by: Two Leggin's Canal  
Name of Ditch, Ditch Company or District supplying water  
2. State the number of acres you irrigate under this system 69 Shares you hold 80  
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: 80  
8. Give the point of diversion: 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: Big 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? 80 Date from 1937 to 1945  
12. How many acres did you irrigate in 1945? (Crop and pasture) 69  
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. about 14 This land is under what ditch? Two Leggin's Canal  
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? fair  
16. Is your water supply adequate? Yes No ☒ Explain  
17. REMARKS: Some of the above questions date to  
for back for me to answer  
Two Leggin's Present 69 - Pat - 0 Nat 69 -

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 SESE<sup>1</sup>/<sub>4</sub>, Sec. 32 - SWSW<sup>1</sup>/<sub>4</sub>, E<sup>1</sup>/<sub>2</sub>SW<sup>1</sup>/<sub>4</sub>, Sec. 33 - T. 2 N., R. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</p>	
	<p>29</p>	
	<p>28</p>	
	<p>Headgate wagon box canal</p>	
	<p>32</p>	
	<p>33</p>	
<p>Two Legging Canal</p>		
<p>Road</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: Two Legging Acres: 69.0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name J. T. Ransier Address Warden Date Feb 16

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 Essex

FILE NO. 160

Owner Norris, Col. L. E. Address 130 W. 12 St. New York, N.Y.

AAA Owner Norris, J. E. Address \_\_\_\_\_

Operator Russell, J. H. Address Hardin, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record E<sup>2</sup>SW<sup>4</sup>, SWSW<sup>4</sup>, Sec. 33 - SESE<sup>4</sup>, Sec. 32 - 2 No. 33 E

Assessed Acreage 69.0

Legal Description of This Farm SESE<sup>4</sup>, Sec. 32 - SWSW<sup>4</sup>, E<sup>2</sup>SW<sup>4</sup>, Sec. 33 - 2 No. 33 E.

Total Acres in Farm 160.0

Code Number 328-336

Photo No. 244-197, 243-82+83

AAA Contract No. 389

AAA Total Cropland Acreage 77.8

App. No. 335-336-337-339-345

Decree No. \_\_\_\_\_

Land is located in

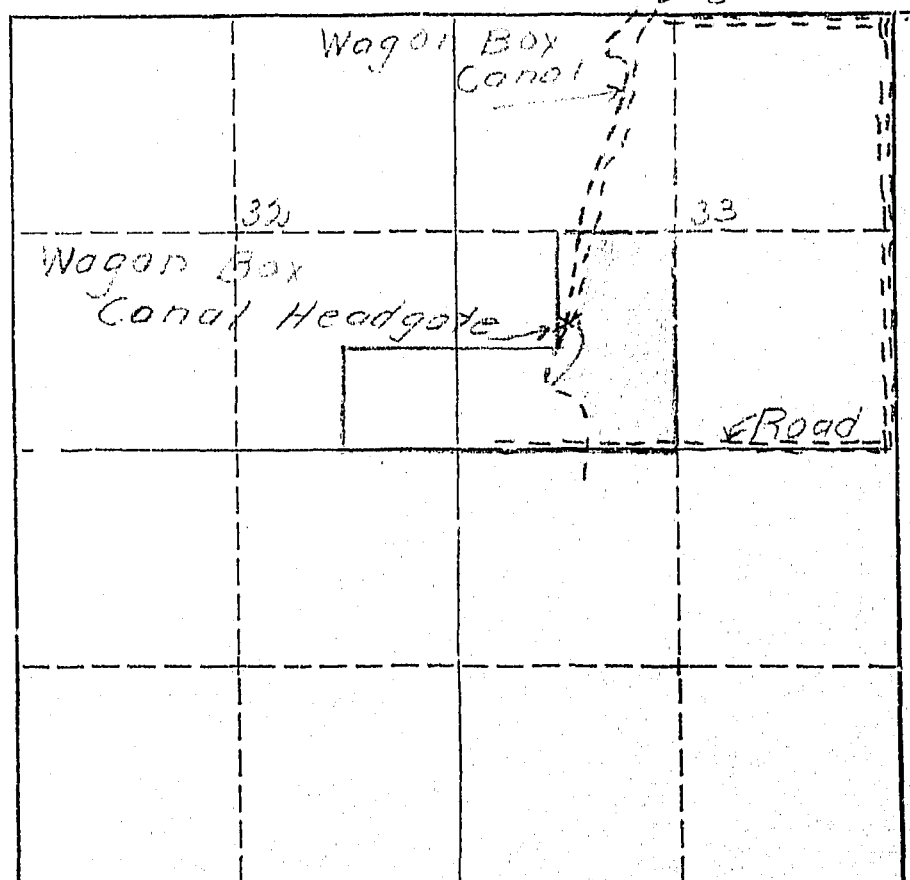
Twp. 2 N Rge. 33 E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 2 N Rge. 33 E

Remarks Sand to separator

Farm Map



January 9, 1946

J. H. Ransier  
Hardin, Montana

Dear Mr. Ransier:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown therein.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the state of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

January 9, 1946

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Hardin, Montana

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in Big Horn County

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The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,397.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the state of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

J. H. Ransier

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

STATE ENGINEERS OFFICE  
Water Resources Survey

Two Leggins W.U.A.

Notice of Appropriation

1. County Big Horn Book A Page 53x 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches....., Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary..... Basin.....
5. Point of Diversion.....  
Head-gate in S E  $\frac{1}{4}$   
Sec. 20 Twp. 2 S Rge. 33 E Bank of Stream.....
6. Purpose Irrigation, domestic and water-power.
7. Description of System..... Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep.  
Canal 33 ft. bottom, 51 ft. top, 6 ft. deep. Runs N E.
8. Land Description of Intended Place of Use.....

Twp.	2	S	Rge.	33	E
	1	N		33	E
	2	N		33	E
	3	N		33	E
	3	N		34	E
9. Remarks (Pertaining to Use, etc.)..... Selling and disposing of surplus water.  
et al = R.E. Shepherd, C.M. Bair, and J.E. Edwards.

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.).....

February 14, 1946

J. H. Ransier  
Bordin, Montana

Dear Mr. Ransier:

On January 3, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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. Oravetz  
Ass't State Engineer

GJO:ef:tk

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



According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. W. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

W.P. 3116

## A Study of Montana's Water Resources

Form WR-4

No. \_\_\_\_\_

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

A.A.A. Contract No. 389 County Big Horn Twp. 2 North Rng. 33 EastName of Owner Yorck's Land Address Fort Gay W.Y.Name of Operator Ransier A.H. Address Hardin, Mont.Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 78

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 NE 1/4 SW 1/4 S 2 SW 1/4 B SE 1/4 S 2 - 2 N - 33 E


32 33

B B

LC 71 (33)

Two legs



144  
**STATE OF MONTANA**  
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

Form WR-1-10M 3-45  
Code No. 16 A, 22 B  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Pickens, A. O. c/o John Besel Address Hardin, Montana  
Name of Operator Besel, John Address Hardin, Montana

**Part A**

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

1. Water is delivered by: Two Leppins Water Works Assn - Big Horn Local Line & Wagon Box Name of Ditch, Ditch Company or District supplying water Two Leppins 205  
Big Horn Local Line 35  
Wagon Box 30
2. State the number of acres you irrigate under this system 190 Shares you hold 30
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 May 21, 1909
5. Give the name of the original appropriator (first user) V. E. Shepherd, J. E. Edwards, C. M. Quinn
6. Give the date appropriated May 21, 1909 Amount filed on: Miners Inches 600 C. F. S. 600
7. State the total number of acres irrigated under this system: \_\_\_\_\_
8. Give the point of diversion: SE 1/4 SE 1/4 Section 30 Township 2 S Range 33

**Part C**

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

9. Source of Water: Big 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? 190 Date 1944
12. How many acres did you irrigate in 1945? (Crop and pasture) 190
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. \_\_\_\_\_ This land is under what ditch? \_\_\_\_\_
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
16. Is your water supply adequate? Yes ☒ No \_\_\_\_\_ Explain Except low water season
17. REMARKS:

DITCH OR SOURCE	SHARES	PRESSENT	POTENTIAL	MAXIMUM	SEEPED	TW. RGE.
<u>TWO LEPPINS</u>	<u>205</u>	<u>125</u>	<u>0</u>	<u>125</u>	<u>0</u>	<u>2 No. 33E</u>
<u>BIGHORN LOCAL LINE</u>	<u>35</u>	<u>35</u>	<u>0</u>	<u>35</u>	<u>0</u>	<u>2 No. 33E</u>
<u>WAGON BOX</u>	<u>30</u>	<u>30</u>	<u>0</u>	<u>30</u>	<u>0</u>	<u>2 No. 33E</u>

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 SE 1/4, Sec. 16 - NW 1/4, Sec. 22 - Twp. 2 N., 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: Two Leggers Water Users Canal Acres: 125-

Ditch: Big Horn Farm Line Acres: 35-

Information supplied by: John Besel

Name: John Besel Address: Hardin, Mo. Date: 2/2/46

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. 144

Owner Pickens, A.O. & John Basel

Address Hardin, Mont.

AAA Owner Pickens, A.O.

Address

Operator Basel, John

Address Hardin, Mont.

New Owner

Address

New Operator

Address

Assessment Record SE<sup>4</sup>, Sec. 6 - NW<sup>4</sup>, Sec. 22 - 2N - 33E

Assessed Acreage 184.0

Legal Description of This Farm SE<sup>4</sup>, Sec. 6 - NW<sup>4</sup>, Sec. 22 - 2N - 33E

Total Acres in Farm 32.0

Code Number 16A - 22E

Farm Map

Big Horn

Low Line Canal

Photo No. 243-86, 243-85,

AAA Contract No. 1234

AAA Total Cropland Acreage 161.6

App. No. 335-336-337-339-345-15

Decree No.

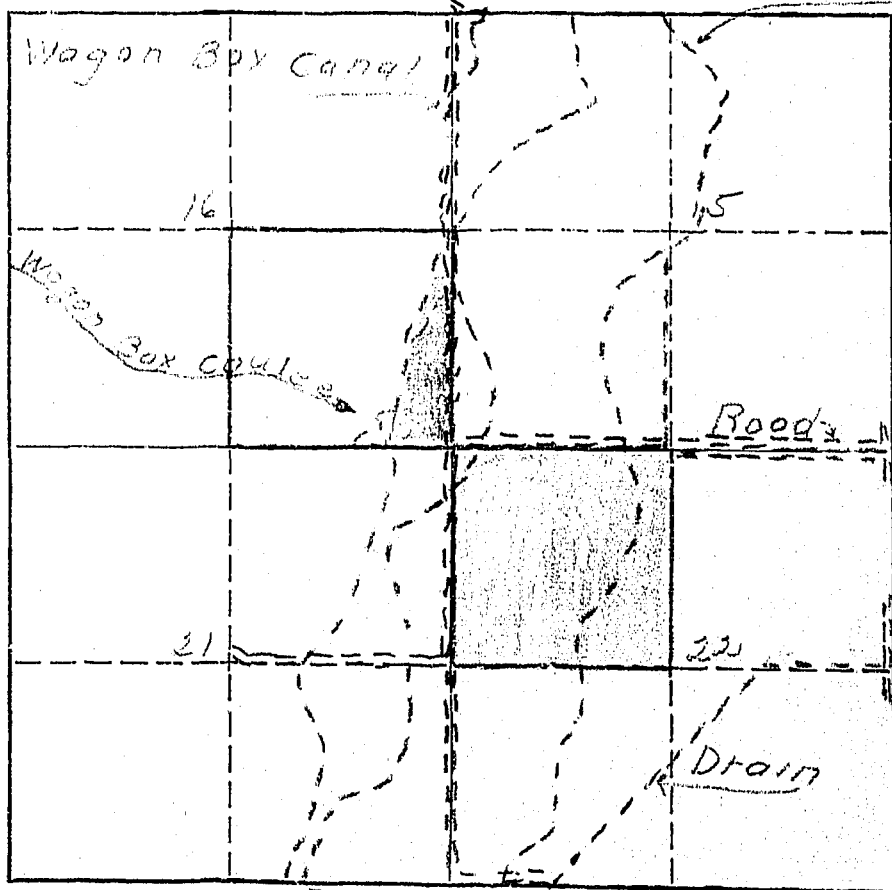
Land is located in

Twp. 2N Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2N Rge. 33E

Remarks Send to Basel



Two Leggins  
Canal

January 9, 1946

Mr. John Besel  
Hardin, Montana

Dear Mr. Besel:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come those potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

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Mr. John Besel

-2-

January 9, 1946

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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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

STATE ENGINEERS OFFICE  
Water Resources SurveyTwo Le<sup>ts</sup> ns W.U.A.

## Notice of Appropriation

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09
- Amount Appropriated, Miners Inches \_\_\_\_\_, Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_
- \_\_\_\_\_ Head-gate in S.E.  $\frac{1}{4}$
- Sec. 20 Twp. 2 south Rge. 33 east Bank of Stream \_\_\_\_\_
- \_\_\_\_\_
6. Purpose Irrigation, domestic and water-power
7. Description of System Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep.
- Canal 33 ft. bottom, 51 ft. top 6 ft. deep. Runs N.E.
8. Land Description of Intended Place of Use
- |      |     |      |      |
|------|-----|------|------|
| Twp. | 2 S | Rge. | 33 E |
|      | 1 S |      | 33 E |
|      | 1 N |      | 33 E |
|      | 2 N |      | 33 E |
|      | 3 N |      | 33 E |
|      | 3 N |      | 34 E |
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.
- et al = R.E. Shepherd, C.M. Bair, and J.E. Edwards.

## 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.) \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_



Appropriations:

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballow, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Garharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1907, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County; (345)

On November 7, 1907, Cleoria Bacheller, filed for 10 cubic feet from the Wagon Box Coulee, recorded in Miscellaneous Records, Book A, Page 28, Big Horn County. (15)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

22-B

W.P. 3116

A Study of Montana's Water Resources

Form WR-4

No. \_\_\_\_\_

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

A.A.A. Contract No. 1176 County Big Horn Twp. 3 North Rng. 33 East

Name of Owner Pickens, D.O. Address Escondido, Calif.

Name of Operator Pickens, John D. Address Escondido, Calif.

Total Number of Acres in Farm 160 Number of Acres Irrigated in 1940 70

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 Sec. 22-44-33 East


LC 160  
2500 70  
Coulter 90

Two 1/2 sections  
1/2 section

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. 125 County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Pickens, A.D. Address Escondido, Calif.

Name of Operator Basel, Leo Address Hardin, Mont.

Total Number of Acres in Farm 320 Number of Acres Irrigated in 1940 162

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 SE 1/4 22-24-33E N 1/4 22-24-33E

	16				
	A				
		A			
			22		

LC 22 (16)  
162 (22)  
22-24-33E  
N 1/4 22-24-33E  
W.B. 22  
162 (22)  
22-24-33E  
N 1/4 22-24-33E  
W.B. 22

STATE ENGINEERS OFFICE  
Water Resources Survey

Notice of Appropriation

15

1. County Big Horn Book A Page 28 Record 77100
2. Name of Appropriator Clennia Rachelina Address \_\_\_\_\_
3. Date Appropriated 11-1-11 Date Filed 11-7-21
- Amount Appropriated, Miners Inches 400, Cubic Feet per second \_\_\_\_\_
4. Name of Stream Wagon Box Coulee Tributary spring in sec 22-24-33E Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_

Sec. 7 Twp. 2N Rge. 33E Bank of Stream \_\_\_\_\_

6. Purpose Irrigation and other
7. Description of System dam, ben logic, & ditch

8. Land Description of Intended Place of Use W<sup>2</sup> NE<sup>4</sup> SE<sup>4</sup> sec 16 2N-33E  
W<sup>2</sup> NE<sup>4</sup> SE<sup>4</sup> sec 22- sec 22 2N-33E

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.) \_\_\_\_\_



169  
**STATE OF MONTANA**  
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

Form WR-1-10M 8-45

Code No. 35 C  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Powers, Levonia c/o Lloyd Carper Address Hardin, Montana  
Name of Operator Abell, Robt. L. Address Hardin, Montana

**Part A**

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

1. Water is delivered by: Big Horn Low Line Canal  
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: \_\_\_\_\_
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: Big 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? 44.3 Date 1946
12. How many acres did you irrigate in 1946? (Crop and pasture) 44.3
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 20 This land is under what ditch? Two Legger
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: \_\_\_\_\_


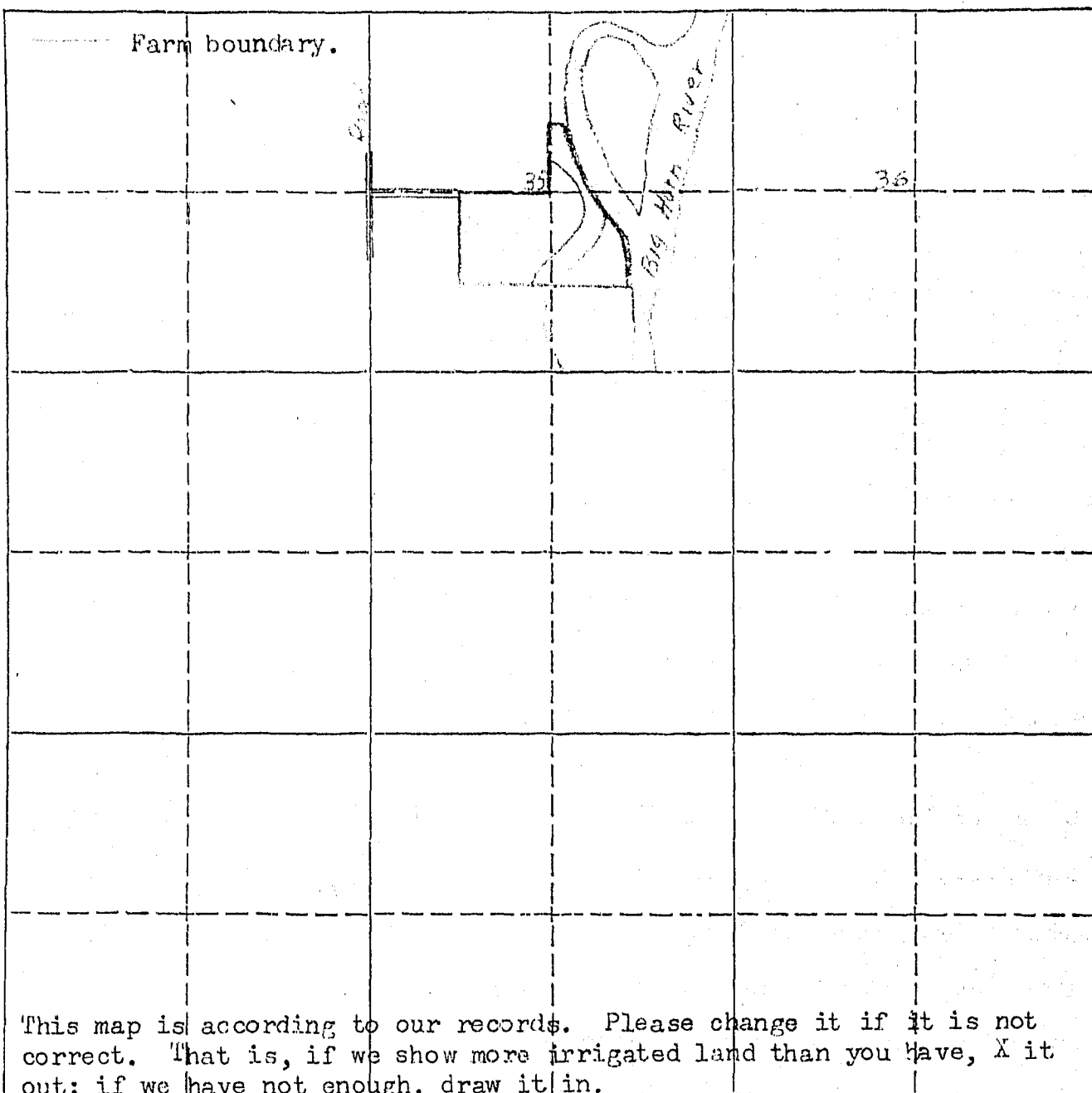
OVER

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

### DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm Lots 3, 6, NE<sup>1</sup>/<sub>4</sub>, Sec. 35 - Twp. 2 N., Rge. 35 E.

South of ditch.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</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: Big Horn River Ditch Acres: 44.3

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name: Robert L. Hall Address: Hardin Date: Jan 23, 1946

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.

On October 23, 1907, A. L. Mitchell, appropriated 10,000 miner's inches of water from the Big Horn River. Filing was made November 2, 1907, and recorded in Book A, Page 27 of Misc. Records in the Big Horn County Courthouse.

In addition to the above appropriation, a filing was made by Elmer K. Bowman on May 27, 1907 for 250 cubic feet per second of water from the Big Horn River. Notice of Appropriation was filed June 11, 1907 in Book A, Page 22 of Misc. Records.

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 169

Owner Powers, Leona & Elmer Address Hardin, Mont.

AAA Owner Powers, L. C. Address \_\_\_\_\_

Operator Abell, R. L. Address Hardin, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record lots 3-6 - NESW 1/4 Sec. 35 - 2 N 33 E  
less 2 rods ditch

Assessed Acreage 40.0

Legal Description of This Farm lots 3-6 - NESW 1/4 Sec. 35 - 2 N - 33 E  
South of ditch

Total Acres in Farm 87.0

Code Number 350-

Photo No. 243-19

AAA Contract No. 335 B

AAA Total Cropland Acreage 14.3

App. No. 335-336-337-339-345

Decree No. \_\_\_\_\_

Land is located in

Twp. 2 N Rge. 33 E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

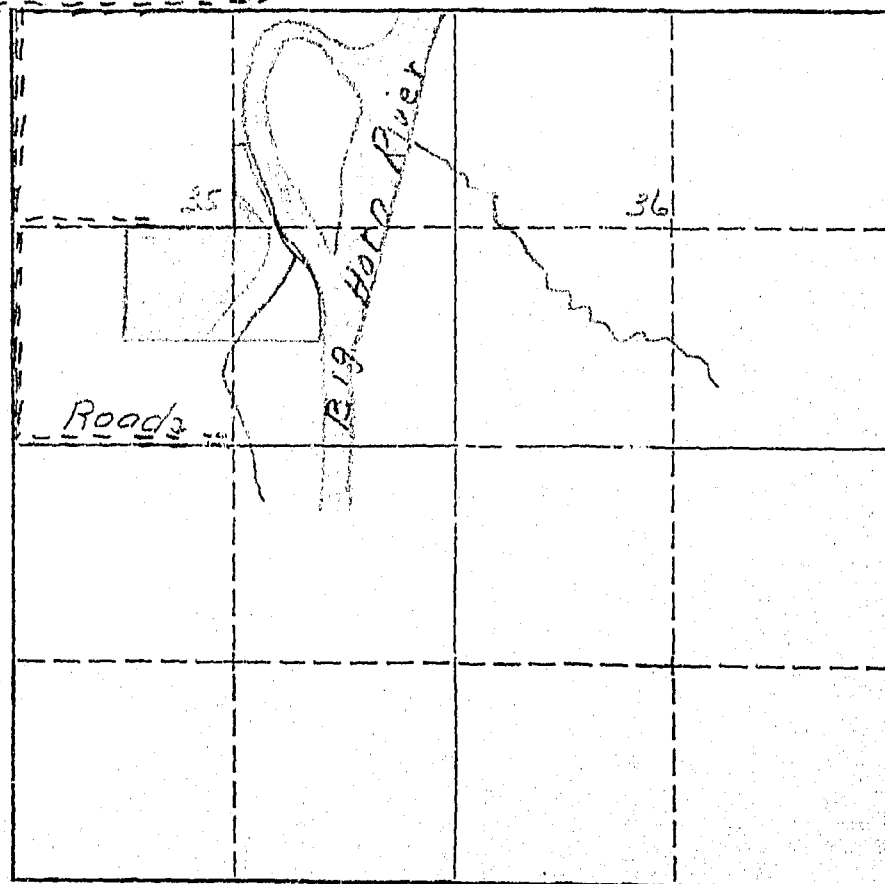
Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 2 N Rge. 33 E

Remarks Send to Operator with

# 166

Farm Map





No. \_\_\_\_\_

## Form WR-4

A.A.A. Contract No. 335 County Bohemia Twp. 2 North Rng. 3 East

Name of Owner Towers Lavernia C 71 Address Shoals Camp Hardin Mo.

Name of Operator Sgt. E. E. Address " "

Total Number of Acres in Farm 162 Number of Acres Irrigated in 1940 58

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 Lot 6 of 5, Vol 4, N 1/2 Sec 35 - 2 N - 34 E N 2 SE 4 SW 2 N 33 E

A 5x5 grid of squares. The bottom-left square (row 5, column 1) contains the handwritten number '34' and the letter 'E'. The bottom-middle square (row 5, column 2) contains the handwritten number '35' and the letter 'C'. The rest of the grid is empty.

LC 72 (34)  
44 (35)  

---

116

Low Price



167

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Form WR-1-10M 3-45

Code No. B.F.  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Williams, Dale Address Hardin 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: Big Horn Irrigation  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 65.7 Shares you hold 22
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: 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: Big Horn Irrigation  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity X 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) 65.7
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 0 This land is under what 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? good
16. Is your water supply adequate? Yes X 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

S<sup>2</sup>SE<sup>4</sup> Sec. 34 T4N R3E



IRRIGATED LAND



NON-IRRIGATED LAND

NORTH



Farm Boundary					
	43	Road 34			Big Horn River

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: Big Horn Low Line Acres: 65.7

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name John J. Johnson & Paul Johnson Address \_\_\_\_\_ Date 2-19-66

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. 127

Owner Abell, Fred G. Address Huron, Mont.

AAA Owner \_\_\_\_\_ Address \_\_\_\_\_

Operator Abell, Fred G. Address \_\_\_\_\_

New Owner Redmond, Dale Address Huron, Mont.

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record SSE Sec 34- 2N-3E

Assessed Acreage 50.0

Legal Description of This Farm SSE Sec 34- 2N-3E

Total Acres in Farm 80.0

Code Number 34 E

Photo No. 243-82-83

AAA Contract No. 350

AAA Total Cropland Acreage 45.7

App. No. 335-336-337-338-345

Decree No. \_\_\_\_\_

Land is located in

Twp 2N Rge 3E Twp \_\_\_\_\_ Rge \_\_\_\_\_

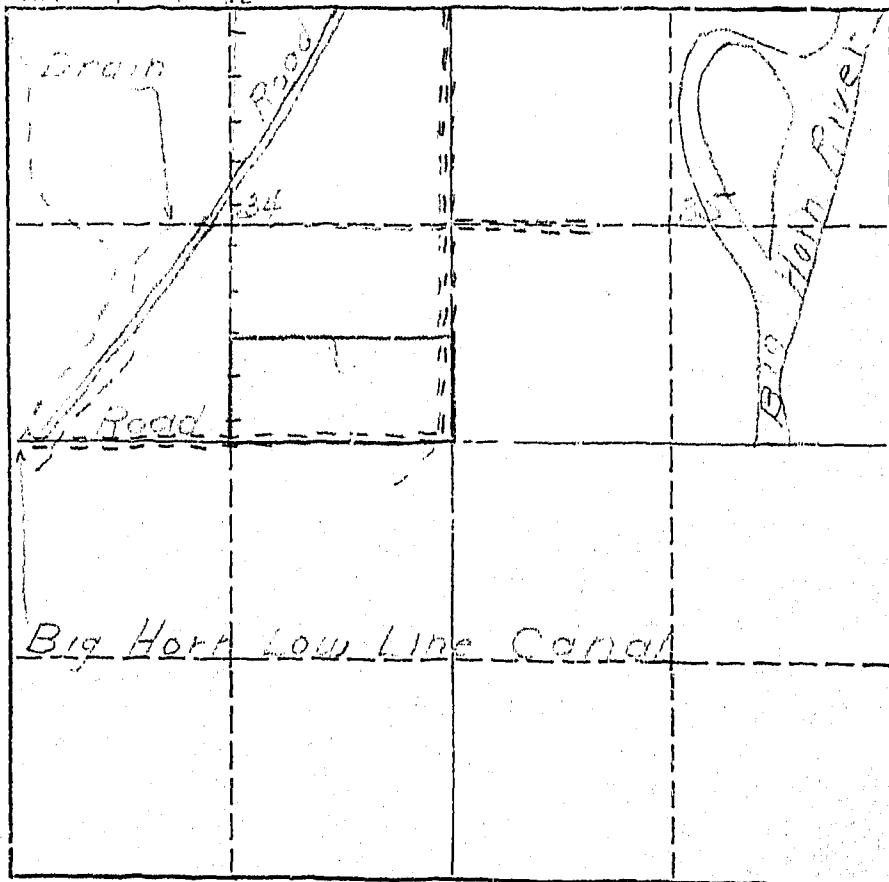
Twp \_\_\_\_\_ Rge \_\_\_\_\_ Twp \_\_\_\_\_ Rge \_\_\_\_\_

Filed in Twp 2N Rge 3E

Remarks \_\_\_\_\_

C.B. & Q. R. R.

Farm Map



January 9, 1946

Fred G. Abell  
Hardin, Montana

Dear Mr. Abell:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Fred G. Abell

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew filed for 750 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Page 46, Book A, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Chas. F. Stocker filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water User's Assn. (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno and Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards and R. E. Shepherd and C. M. Bair (Two Leggins Water Users Assn.) filed for 600 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, the Big Horn Low Line Ditch Co., through A. L. Mitchell, President, filed for 250 cubic feet from the Big Horn River, recorded in Miscellaneous records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

February 14, 1946

Fred G. Abell  
Hardin, Montana

Dear Mr. Abell:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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. Oravetz  
Ass't State Engineer

GJO:ef:tk

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



Hardin, Mont.  
2-18-46

Mr Gerald J. Quarity,

Dear Sir.

The enclosed letter from you to Fred Abell was brought to my attention on Feb 16. I have recently bought this farm from Fred Abell. In regard to the water grants and etc. for this place all I know is I have a certificate for 77 shares of Lowline ditch Co stock. as to where or from whom the original water grant was obtained for this place, I haven't the least idea. I suppose the county records here at Hardin would show.

Very truly yours

Wale Redmond

W.F. 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. 350 County Big Horn Twp. 24th Rng. 35th

Name of Owner McLester, Wm. Address Hardin Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 80 Number of Acres Irrigated in 1940 43

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 S<sup>2</sup> SE<sup>1</sup> 34 - 24 - 35


LC 75  
Big Horn Low Line  
77  
(Fad Land Bank)

Low Line



345

Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 11 B

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Reynolds, Frank E. Address Hardin, Montana  
c/o Joe Olenik  
Name of Operator Olenik, Joe Address Hardin, Montana

## Part A

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

1. Water is delivered by: Low Line Ditch, Two Legged Canal.  
Name of Ditch, Ditch Company or District supplying water B.H.L.L. 130
2. State the number of acres you irrigate under this system 153 Shares you hold 59
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: 1/4 1/4 Section Township Range

## Part C

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


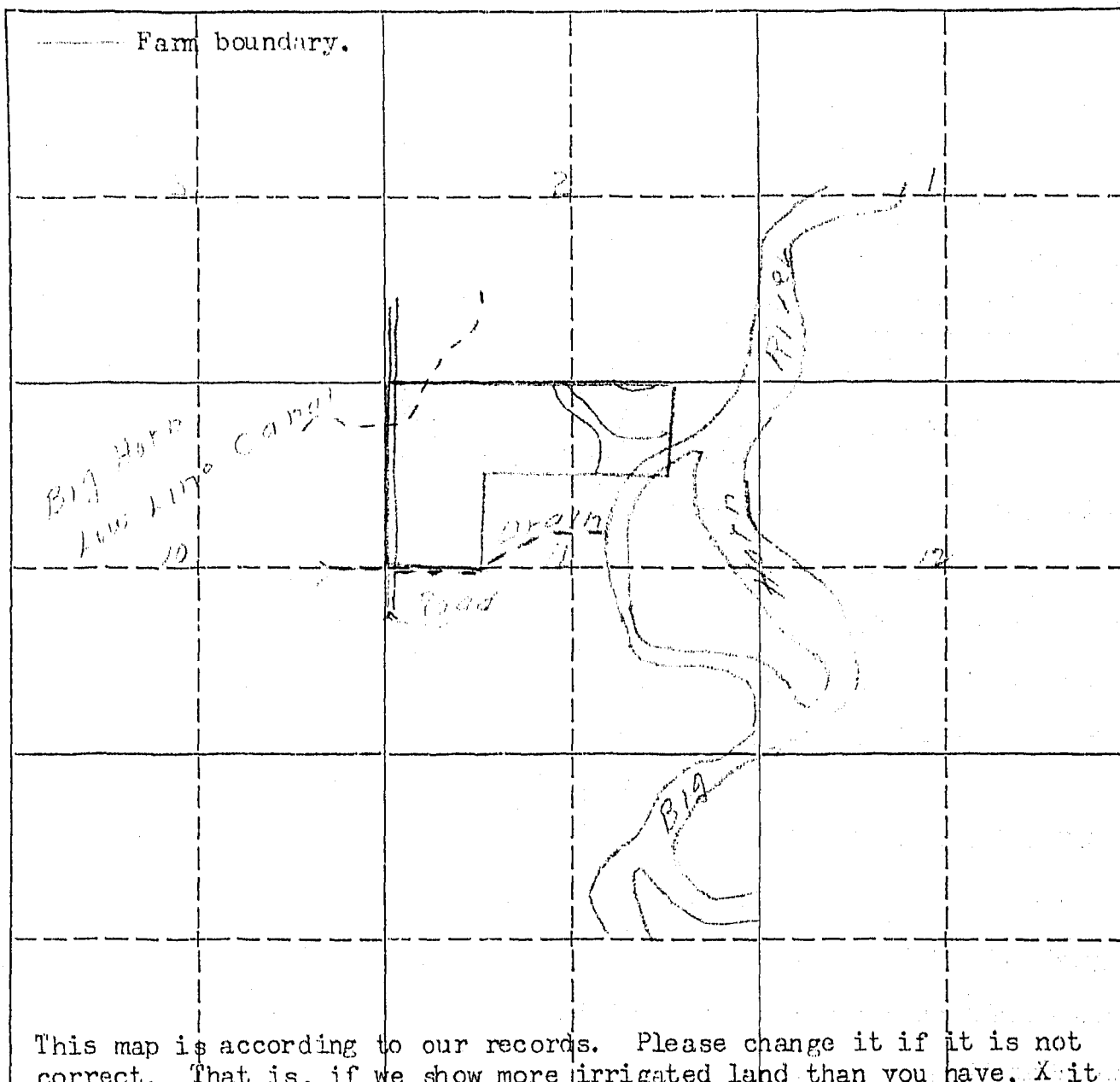
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted
10. Water is obtained by: (Check one) Gravity ☒ Pumping ☐ Other ☐
11. What is the greatest number of acres you have irrigated? 153 Date
12. How many acres did you irrigate in 19...? (Crop and pasture) 153
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. Not over 5 This land is under what ditch? Low Line & Two Legged
14. How many acres of seeped land do you have which could be drained and put into production? Not over 5
15. What is the condition of your irrigation system? Good
16. Is your water supply adequate? Yes ☒ No ☐ Explain
17. REMARKS: ditch on source Shares Received Potential Maximum Seeped Tr. Rge.  
Big Horn from above 150 150 5 155 5 2 N. 33 E.  
Two Legged 3 3 0 3 0 2 N. 33 E.

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 NWNE<sup>1</sup>, N<sup>1</sup>2NW<sup>4</sup>, SWNW<sup>4</sup>, Sec. 11 - Twp. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>----- Farm boundary.</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: Two Leggin Acres: 3

Ditch: Low Line Acres: 150

Information supplied by:

Name: Joseph Olewit Address: Hardin Date: 1-12-45

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. 345

Owner Reynolds, Frank E. <sup>to Joe Olenik</sup> Address Hardin, Mont.

AAA Owner Address

Operator Olenik, Joe Address Hardin, Mont.

New Owner Address

New Operator Address

Assessment Record NWNE<sup>1</sup>, N<sup>2</sup>NW<sup>1</sup>, SWNW<sup>1</sup>, Sec. 11- 2 No. 33E.

Assessed Acreage 90.0

Legal Description of This Farm NWNE<sup>1</sup>, N<sup>2</sup>NW<sup>1</sup>, SWNW<sup>1</sup>, Sec. 11- 2 No. 33E

Total Acres in Farm 120.0

Code Number 11B-

Photo No. 213-14

AAA Contract No. 366 C. 2. + 366 B.

AAA Total Cropland Acreage

App. No. 335-336-337-339-345

Decree No.

Land is located in

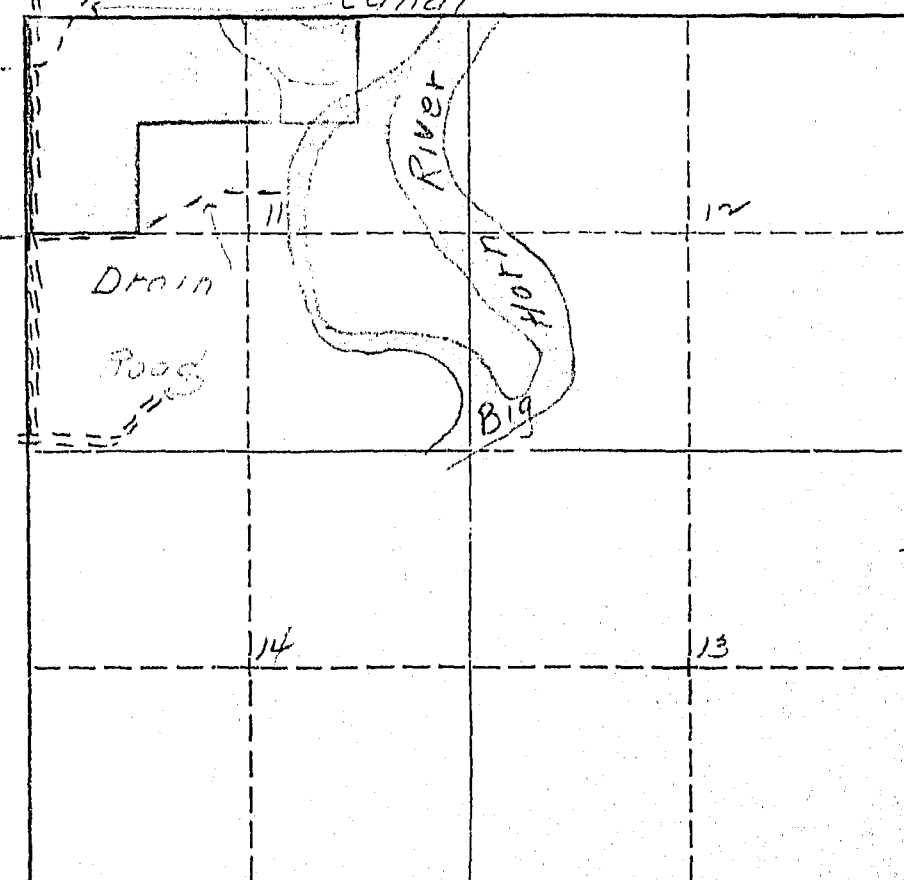
Twp. 2N Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 3N Rge. 33E

Remarks Send to Olenik with his other land

Big Horn  
Low Line Canal Farm Map



STATE ENGINEERS OFFICE  
Water Resources Survey

Two Leggins W.U.A.

## Notice of Appropriation

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J. E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches \_\_\_\_\_, Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary \_\_\_\_\_ Basin \_\_\_\_\_
5. Point of Diversion \_\_\_\_\_  
Head-gate in S E 4  
Sec. 20 Twp. 2 south Rge. 33 east Bank of Stream \_\_\_\_\_
6. Purpose Irrigation, domestic and water-power.
7. Description of System Concrete head-gate with 5 gates 6 ft. wide 6 ft. deep.  
Canal 33 ft. bottom, 51 ft. top, 6 ft. deep. Runs N E.
8. Land Description of Intended Place of Use Twp. 2 S Rge 33 E  

<u>1 S</u>	<u>33 E</u>
<u>1 N</u>	<u>33 E</u>
<u>2 N</u>	<u>33 E</u>
<u>3 N</u>	<u>33 E</u>
<u>3 N</u>	<u>34 E</u>
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.  
et al = R. E. Shepherd, C. M. Bair, and J. E. Edwards.

## 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.) \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

On October 23, 1907, A. L. Mitchell, appropriated 10,000 miner's inches of water from the Big Horn River. Filing was made November 2, 1907, and recorded in Book A, Page 27 of Misc. Records in the Big Horn County Courthouse.

In addition to the above appropriation, a filing was made by Elmer K. Bowyer on May 27, 1907 for 250 cubic feet per second of water from the Big Horn River. Notice of Appropriation was filed June 11, 1907 in Book A, Page 22 of Misc. Records-

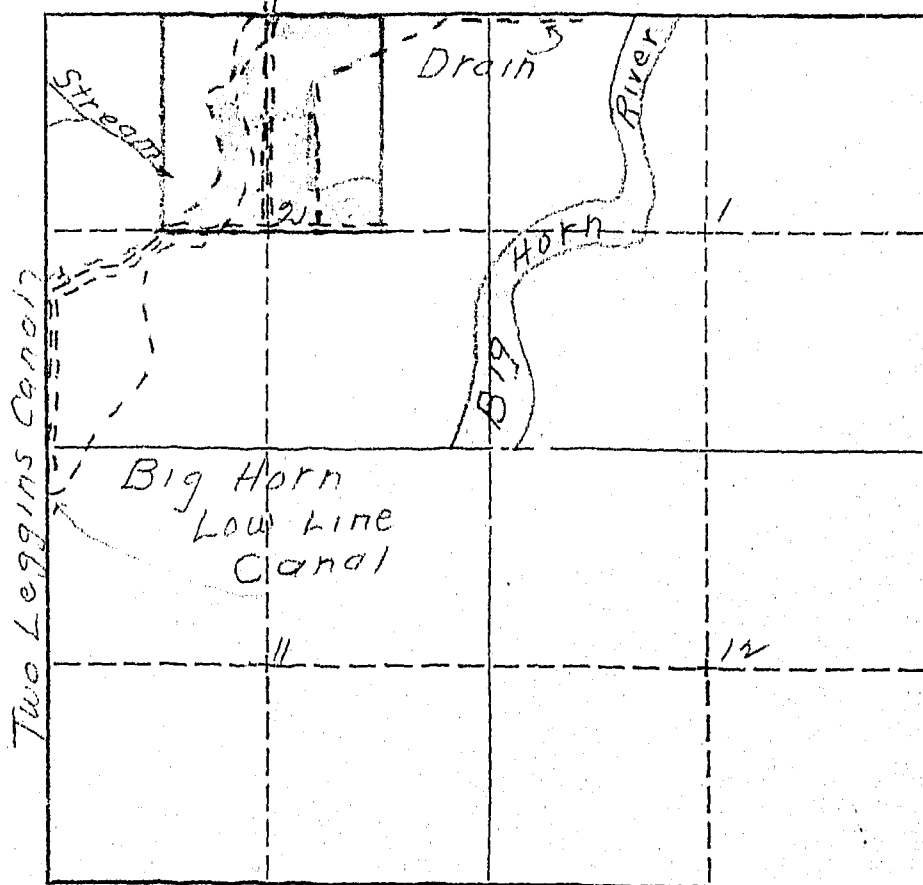
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

COUNTY Big HornFILE NO. 129Owner Town City Land Co. Address Billings, Mont.AAA Owner " Address "Operator Wheeler, John Address HardenNew Owner " Address "New Operator " Address "Assessment Record lots 2, 3, SW NE 1/4, SE NW 1/4 Sec. 2 - Twp. 24 N. R. 33 E.Assessed Acreage 70.0Legal Description of This Farm lots 2, 3, SW NE 1/4, SE NW 1/4 Sec. 2 - Twp. 24 N. R. 33 E.Total Acres in Farm 276.0Code Number 2 BPhoto No. 243-12AAA Contract No. 331AAA Total Cropland Acreage 183.8App. No. 335-336-337-339-345Decree No. "

Land is located in

Twp. 24 N. Rge. 33 Twp. 24 N. Rge. 33Twp. " Rge. " Twp. " Rge. "Filed in Twp. 24 N. Rge. 33Remarks "

Farm Map







145

Form WR-1-10M 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 21 A

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Rider, Alex Address Hardin, Montana

Name of Operator Rider, Alex Address Hardin, Montana

## Part A

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

1. Water is delivered by: Two Leguon Ditch Co.  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 60 Shares you hold 2 Leguon 40 wagon wheel 5.5/2
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: Big 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 1975? (Crop and pasture) 60
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 21 acres This land is under what ditch? Hughline Ditch by Pumping
14. How many acres of seeped land do you have which could be drained and put into production? 40 acres
15. What is the condition of your irrigation system? good
16. Is your water supply adequate? Yes ☒ No ☐ Explain
17. REMARKS: 40 acres seeped land still in production. The figures we used were arrived at by use of the planimeter on the pictures. Total seepage must have included the calculation. Checked by G. J. C.

Two Leguon Pump 26 Pot. Wagon Wheel 30 11 OVER 51

## DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm..... NE<sup>1</sup>/<sub>4</sub>, NWSE<sup>1</sup>/<sub>4</sub>, Sec. 21 - Twp. 2 N., Rge. 33 E.

IRRIGATED LAND

NON-IRRIGATED LAND

Farm boundary.

Road

NORTH

March 30, 1911

Top 1/2 of Section 22

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: 30 ft. deep 1/2 mile long ditch. Acres: 30

Ditch: 30 W. 1/2 Sec. 30, T. 14 N., R. 10 E., S. 1 E. Acres: 30.57  
 21 per cent  
 Information supplied by:

Information supplied by:

Name \_\_\_\_\_ Address \_\_\_\_\_ Date \_\_\_\_\_

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  
Notice of Appropriation

Two Loggings. W.U.A.

1. County Big Horn Book A Page 53 Record Misc.
2. Name of Appropriator Edwards, J.E. et al Address Yellowstone County, Mont.
3. Date Appropriated 6/11/09 Date Filed 6/15/09  
Amount Appropriated, Miners Inches....., Cubic Feet per second 600
4. Name of Stream Big Horn River Tributary..... Basin.....
5. Point of Diversion.....  
Head-gate in S E  $\frac{1}{4}$   
Sec. 20 Twp. 2 south Rge. 33 east Bank of Stream.....
6. Purpose Irrigation, domestic and water-power
7. Description of System Concrete head-gate with 5 gates 6 ft. wide, 6 ft. deep.  
Canal 33 ft. bottom, 51 ft. top, 6 ft. deep. Runs N E .
8. Land Description of Intended Place of Use.....

Twp. <u>2 S.</u>	Rge. <u>33 E.</u>
<u>1 S</u>	<u>33 E</u>
<u>1 N</u>	<u>33 E</u>
<u>2 N</u>	<u>33 E</u>
<u>3 N</u>	<u>33 E</u>
<u>3 N</u>	<u>34 E</u>
9. Remarks (Pertaining to Use, etc.) Selling and disposing of surplus water.  
et al = R.E. Shepherd, C.M. Bair, and J.E. Edwards.

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.).....

January 9, 1946

Alex Rider  
Hardin, Montana

Dear Mr. Rider:

Ref: Irrigated land and water rights  
Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Alex Hider

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Cravetz  
Ass't State Engineer

Encl.

P. S. These forms are the property of the State of Montana and must be returned.

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 145

Owner Rider, Alex

Address Hardin, Mont.

AAA Owner Rider, Alex

Address Hardin, Mont.

Operator " "

Address " "

New Owner

Address

New Operator

Address

Assessment Record NE 1/4 NW 1/4 Sec. 21 - 2 No. 33 E

all that part of Section lying above & west R/W - Sec. 21 - 2 No. 33 E

Assessed Acreage 101.9

Legal Description of This Farm NE 1/4 NW 1/4 Sec. 21 - 2 No. 33 E

Total Acres in Farm 200.0

Code Number 21A

Photo No. 243-85

AAA Contract No. 333

AAA Total Cropland Acreage 86.0

App. No. 335-336-337-338-345

Decree No.

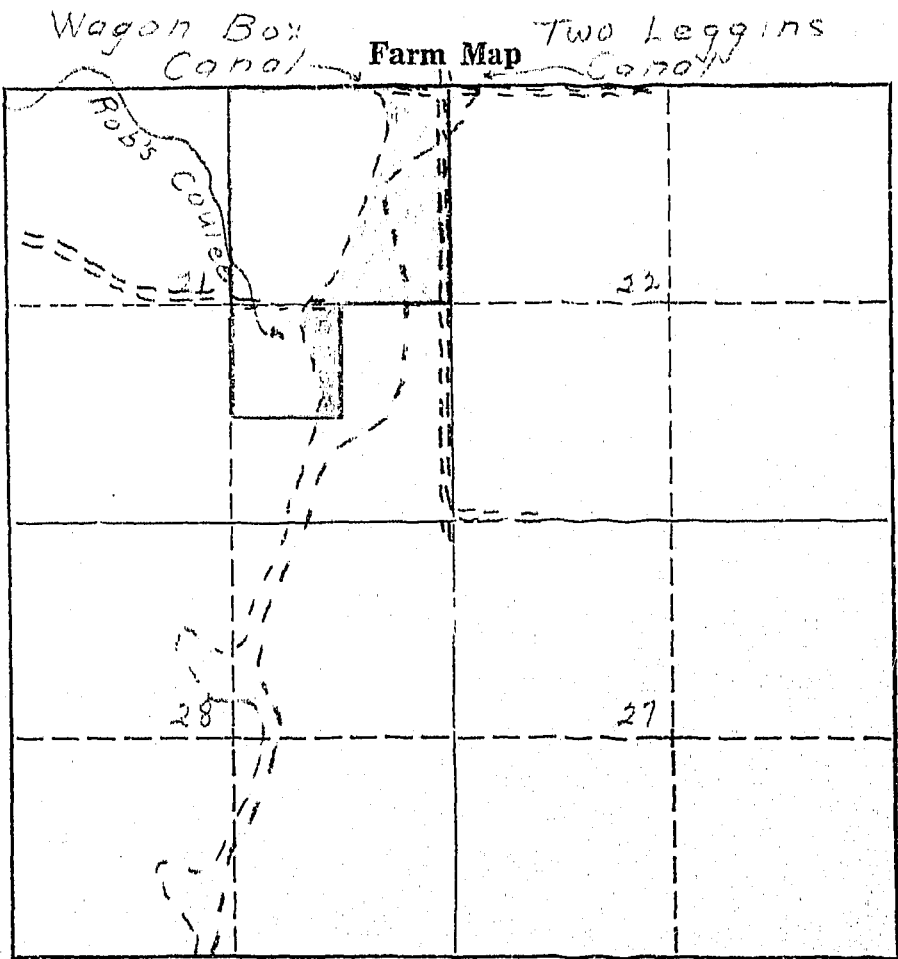
Land is located in

Twp. 2N Rge. 33E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2N Rge. 33E

Remarks





347

Form WR-1-2 SM 8-45

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 33 E

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner School District # 16 Address Hardin, 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: Not irrigated  
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
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: 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)
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 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:

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. Part NENESE<sup>1</sup>/<sub>4</sub>, Sec. 33 - Twp. 2 N., Rge. 33 W.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>— Farm boundary.</p>	
	<p>28</p>	
	<p>27</p>	
	<p>Road</p>	
	<p>33</p>	
	<p>34</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.

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: \_\_\_\_\_ Acres: \_\_\_\_\_

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Field Clerk Address \_\_\_\_\_ Date July 7-46

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. 347

Owner School District #16

Address Hardin, Mont

AAA Owner

Address

Operator

Address

New Owner

Address

New Operator

Address

Assessment Record

Assessed Acreage

Legal Description of This Farm Part NE 1/4 Sec. 33 2 N - 33 E

Total Acres in Farm 65

Code Number 33 E

Farm Map

Photo No. 243-82 483

AAA Contract No.

AAA Total Cropland Acreage

App. No. 335 336 337 339 345

Decree No.

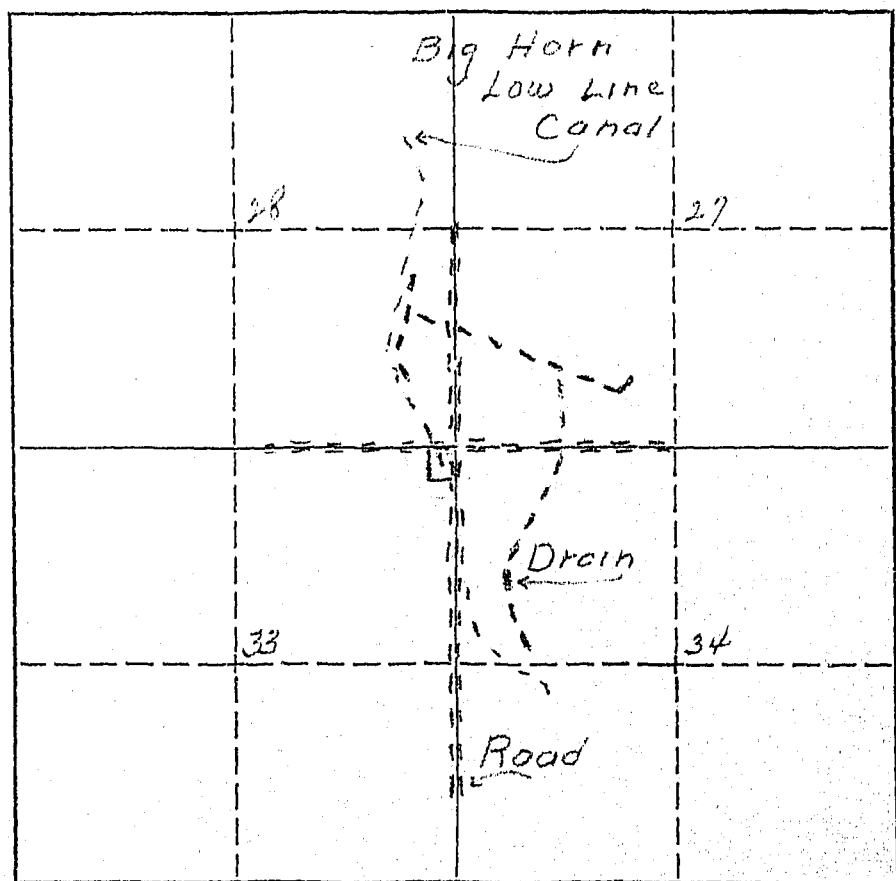
Land is located in

Twp. 2 N Rge. 33 E Twp. Rge.

Twp. Rge. Twp. Rge.

Filed in Twp. 2 N Rge. 33 E

Remarks





163

Form WR-1--10M 8-45.

STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 34 A  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Schoer, H. W. Address Hardin, Montana  
Name of Operator Schoer, Harry W. Address Hardin, Montana

Part A

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

1. Water is delivered by: Low Line Ditch Co  
Name of Ditch, Ditch Company or District supplying water  
2. State the number of acres you irrigate under this system. 80 Shares you hold 80  
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




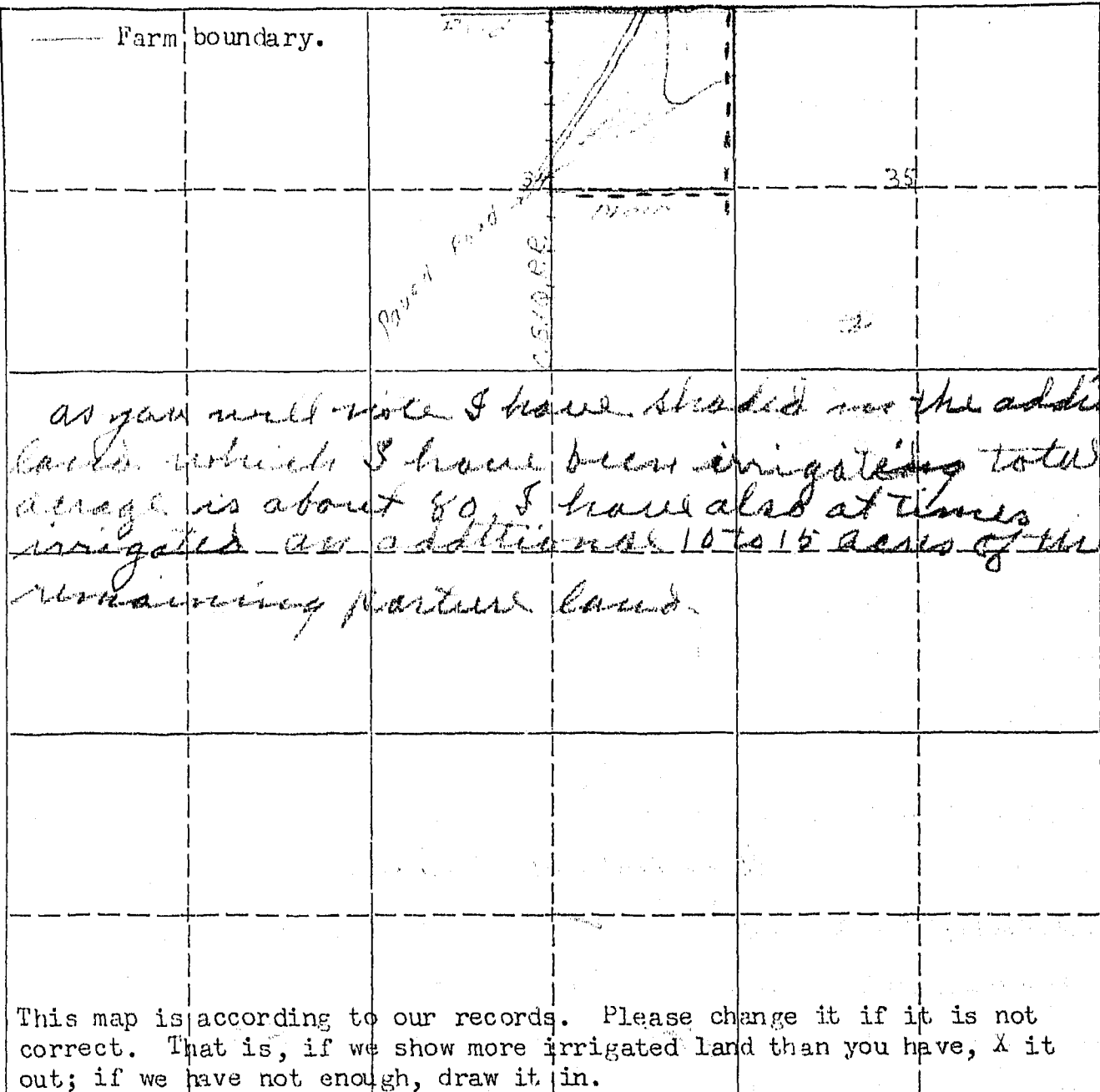
9. Source of Water: Big Horn River  
Name of stream or lake from which water is originally diverted  
10. Water is obtained by: (Check one) Gravity ☒ Pumping Other  
11. What is the greatest number of acres you have irrigated? 80 Date 1945  
12. How many acres did you irrigate in 1945 (Crop and pasture) 80  
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 6.5 This land is under what ditch? Low Line Ditch Co  
14. How many acres of seeped land do you have which could be drained and put into production? 10  
15. What is the condition of your irrigation system? Good  
16. Is your water supply adequate? Yes ☒ No Explain Water supply has  
17. REMARKS: been adequate since I have owned this  
land. the part 5 years the land could all be put in  
production by leveling and a small amount of  
additional drainage

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 NE 1/4, Sec. 34 - Twp. 2 N., Rge. 33 E.

		 IRRIGATED LAND	 NON-IRRIGATED LAND
<p>NORTH</p> 	<p>— Farm boundary.</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.

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: Big Horn River Acres: 80

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name H. W. Schaefer Address Hardin Date 2/15/46

REMARKS: \_\_\_\_\_

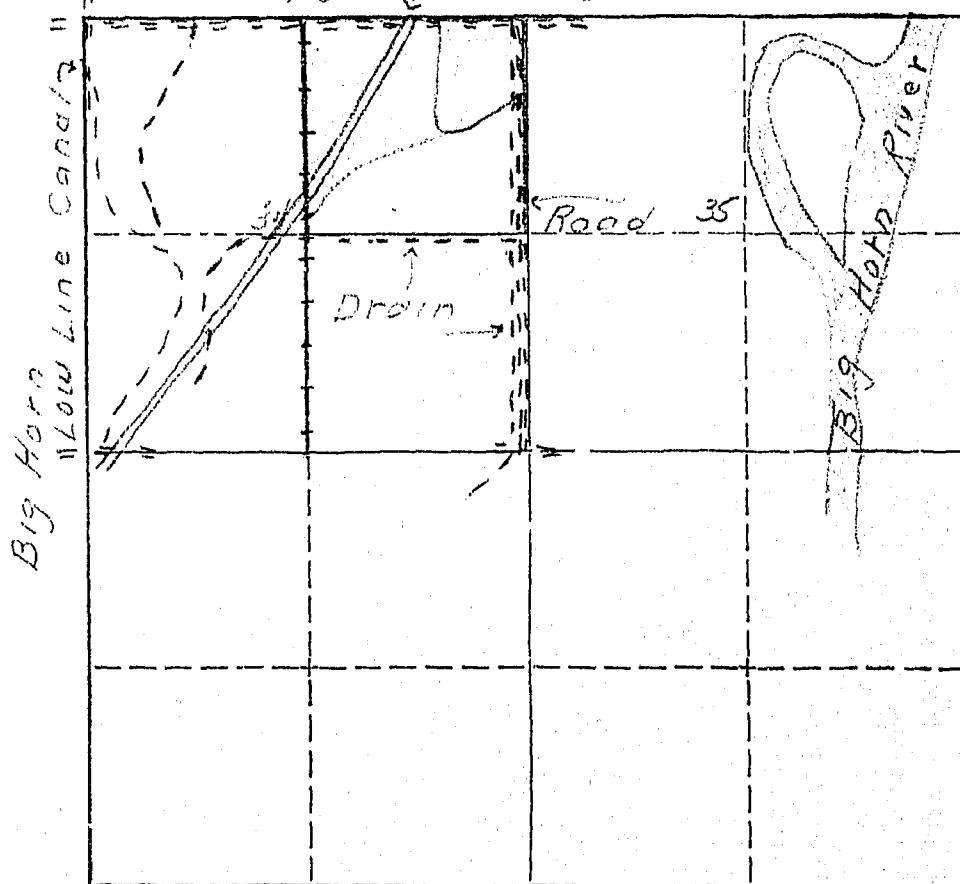
If you cannot answer all of the questions on this form answer as many as you can and return the form to us as soon as possible.

STATE ENGINEERS OFFICE  
Water Resources SurveyCOUNTY Big HornFILE NO. 163Owner Schoer, H. M. Address Hardin, Mont.AAA Owner Schoer, Harry M. Address HardinOperator " Address "New Owner " Address "New Operator " Address "Assessment Record NE 1/4, Sec. 34 - R. N. 33 EAssessed Acreage 160.0Legal Description of This Farm NE 1/4, Sec. 34 - R. N. 33 ETotal Acres in Farm 160.0Code Number 34A-Photo No. 243-82-83AAA Contract No. 380 BAAA Total Cropland Acreage 81.0App. No. 335-336-337-339-345Decree No. "

Land is located in

Twp. 2 N Rge. 33 E Twp. " Rge. "Twp. " Rge. " Twp. " Rge. "Filed in Twp. 2 N Rge. 33 ERemarks """"

Paved Road Farm Map



January 9, 1946

H. W. Schoer  
Hardin, Montana

Dear Mr. Schoer:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

H. W. Schoer

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

February 14, 1946

H. A. Scherer  
Hardin, Montana

Dear Mr. Scherer:

On January 9, 1946, this office sent you forms and a letter asking for information pertaining to your irrigated land in Township 2 North, Range 33 East.

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. Oravetz  
Ass't State Engineer

GJO:cf:tk

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

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

On March 11, 1907, the Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County. (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".



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. 280B County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Schaer H.W. et al. Address Hardin Mont.

Name of Operator Same Address \_\_\_\_\_

Total Number of Acres in Farm 60 Number of Acres Irrigated in 1940 21

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 T. 2N. R. 34E. S. 4N. 33E


LC 160



141  
**STATE OF MONTANA**  
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

Form WR-1-10M 8-76

Code No. 14 D, 13 A

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Suzgda, Anna Address 1622 S. Halsted St., Chicago, Illinois

Name of Operator Suzgda, Anna Address 1622 S. Halsted St., Chicago, Illinois

**Part A**

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

1. Water is delivered by: Big Horn Land Line  
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.
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: Big 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) 0
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 33 This land is under what ditch? Big Horn Land Line
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



## DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm lots 6, 7, Sec. 13 - N<sup>1</sup>/<sub>2</sub>SE<sup>1</sup>/<sub>4</sub>, Sec. 14 - Twp. 2 N., Rge. 33 W.

### NON-IRRIGATED LAND

Farmland boundary.

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.

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: \_\_\_\_\_ Acres: 0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Pho Anna Luiza Address 1622 St. Halsted St. Date Jan. 19, 1946

REMARKS: All of my water rights in the Big Horn Town  
Line Ditch Company has been sold.

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.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and ~~if they are, mark them "Yes."~~

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Big Horn

FILE NO. 141

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

AAA Owner Suzada, Anna Address 1622 - So Holsted St. Chicago, Ill.

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

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

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

Assessment Record None

Assessed Acreage -

Legal Description of This Farm Sec. 13 - N<sup>2</sup>SE<sup>4</sup>, Sec. 14 - 2N - 33E.

Total Acres in Farm 168.0

Code Number 14D-13A

Farm Map

Photo No. 243-15

AAA Contract No. 8532

AAA Total Cropland Acreage 0

App. No. 335-336-337-339-345

Decree No. ....

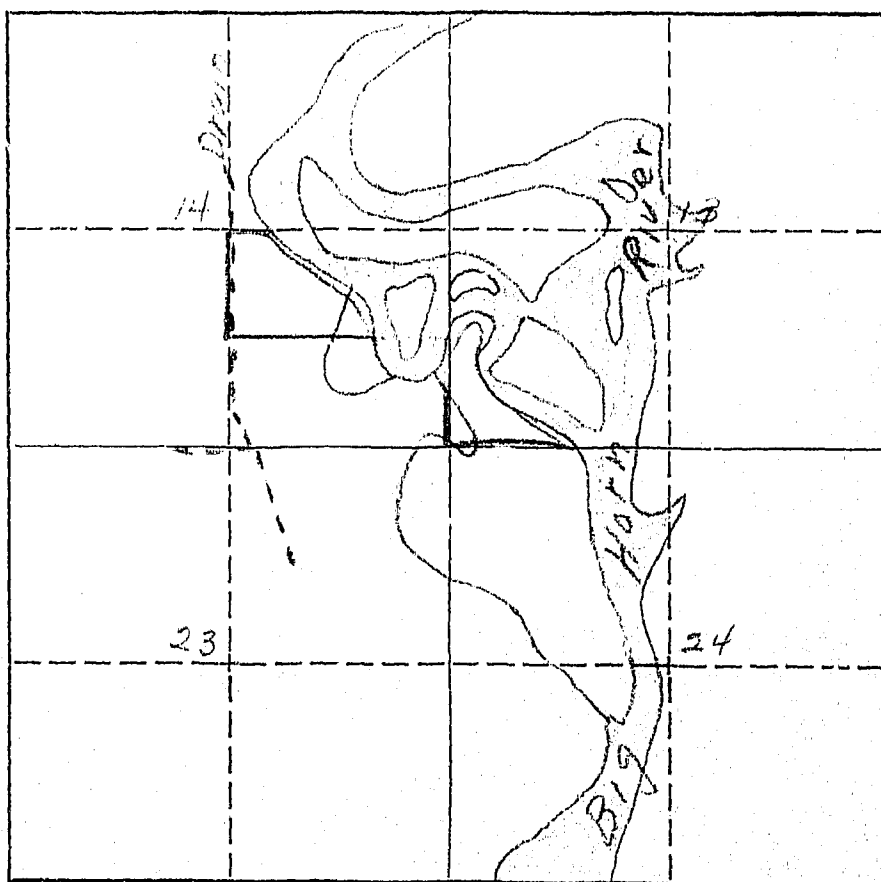
Land is located in

Twp. 2N Rge. 33E Twp. .... Rge. ....

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

Filed in Twp. 2N Rge. 33E

Remarks.....



January 9, 1946

Anna Suzgda  
1622 South Holsted Street  
Chicago, Illinois

Dear Madam:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.68 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon, and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Anna Suzgda

-2-

January 9, 1946

information accurately is from the water users, or the man that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

GJO:ef

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

Appropriations:

According to our records the following notices of appropriation were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, T. W. Hine, and Thomas S. Ballew, filed for 750 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County; (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County; (336)

On March 11, 1907, Big Horn Water Users Association (7 directors - C. C. Calhoun, Seth H. Hastings, Chas. G. Danielson, Harry Rosemond, Frank J. Eder, John Reno, Frank H. Church) filed for water from Big Horn River, recorded in Miscellaneous Records, Book A, Page 48, Big Horn County; (337)

On June 15, 1909, J. E. Edwards, R. E. Shepherd, and C. M. Bair (Two Leggins Water Users Association) filed for 600 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County; (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 Cubic Feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes."



13-A  
14C

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. \_\_\_\_\_ County Big Horn Twp. 2 North Rng. 33 East

Name of Owner Suzgda Jona Address 1622-50. Halstead St. Chicago Ill

Name of Operator \_\_\_\_\_ Address \_\_\_\_\_

Total Number of Acres in Farm 80 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 N<sup>2</sup>SE<sup>1</sup>/<sub>4</sub> Lots 6, 7, Sec 13-2N-33E

Not in program. None irrigated at time of photo


14 13

LC 33

A 5

7A

LC 33 (13)  
(14)



STATE OF MONTANA  
STATE ENGINEERS OFFICE  
Water Resources Survey

Code No. 11 D

County Big Horn

T. 2 N. R. 33 E.

Name of Land Owner Tschirgi, F. M. c/o Wm. T. Address Hardin, Montana  
Name of Operator Trenholme, Wm. Address Hardin, Montana

## Part A

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

1. Water is delivered by: Lo Line Ditch Co.  
Name of Ditch, Ditch Company or District supplying water
2. State the number of acres you irrigate under this system 100 Shares you hold 100
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: Big 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? 100 Date 1945-44-43-42
12. How many acres did you irrigate in 1945? (Crop and pasture) 100
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 4020 This land is under what ditch? Lo Line by pump
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? Fair to good
16. Is your water supply adequate? Yes ☒ No Explain Shifting of river bed at
17. REMARKS: times causes shortage  
40 additional could be irrigated by Lo Line  
and pump at place marked X

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

### DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm S<sup>1</sup>NE<sup>1</sup>, SE<sup>1</sup>NW<sup>1</sup>, NE<sup>1</sup>SW<sup>1</sup>, W<sup>1</sup>SE<sup>1</sup>, Sec. 11 - Twp. 2 N., Rge. 33 E.

	IRRIGATED LAND	NON-IRRIGATED LAND
<p>NORTH</p> 	<p>Farm boundary.</p>	
	<p>10 Ditch</p>	
	<p>15 Road</p>	
	<p>14</p>	
	<p>Big Horn River</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, &amp; 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: Big Horn Low Line Acres: 100.0

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name Wm. Brinkman Lyman Address \_\_\_\_\_ Date Jan 19-26

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.

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

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✓ On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".

*all water delivered by Low Line Ditch co.*

*unknown*

STATE ENGINEERS OFFICE  
Water Resources Survey

COUNTY Boz Horn

FILE NO. 138

Owner Tschupp, F. M. & Wm Trenholme Address Hardin, Mont

AAA Owner Tschupp, F. M. Address

Operator Trenholme, Wm Address Hardin, Mont

New Owner  Address

New Operator  Address

Assessment Record S. 1/4 NE 1/4, SE 1/4 NE 1/4, N. 1/4 SE 1/4, Sec. 11 - R. No. 33 E.

Assessed Acreage 80.0

Legal Description of This Farm S. 1/4 NE 1/4, SE 1/4 NE 1/4, N. 1/4 SE 1/4, Sec. 11 - R. No. 33 E.

Total Acres in Farm 240.0

Code Number 11D

Photo No. 243.14

AAA Contract No. 337 H.

AAA Total Cropland Acreage 46.8

App. No. 335-336-337-338-345

Decree No.

Land is located in

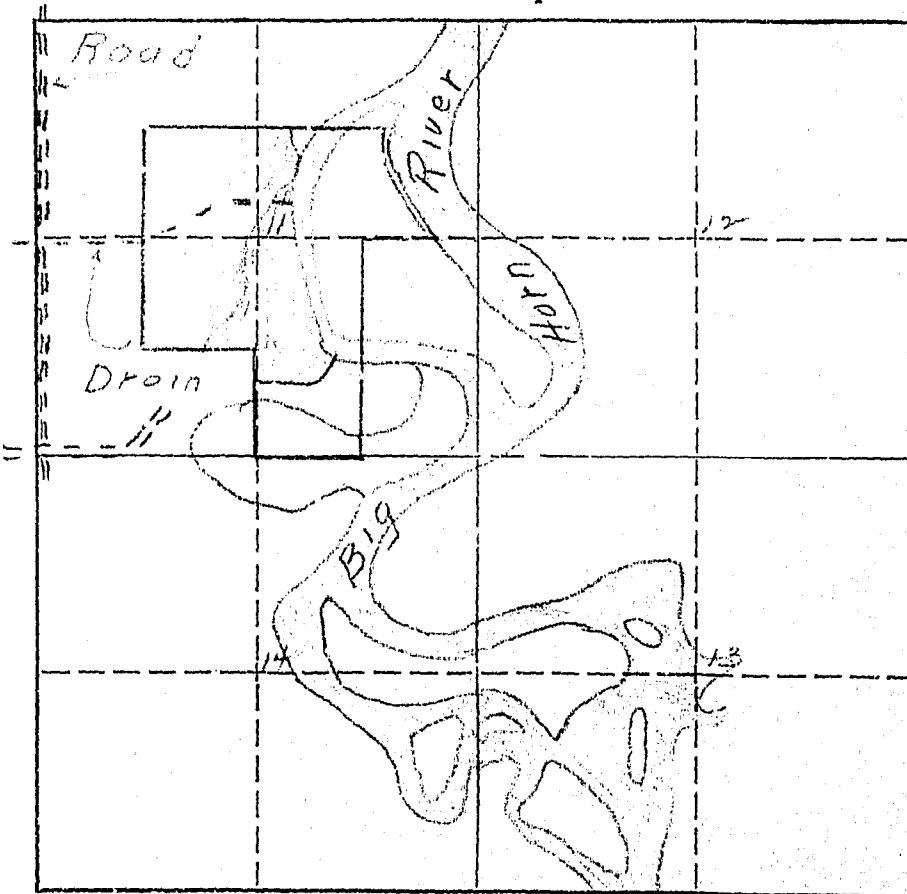
Twp. 2 N. Rge. 33 E. Twp.  Rge.

Twp.  Rge.  Twp.  Rge.

Filed in Twp. 2 N. Rge. 33 E.

Remarks Send to Trenholme.

Farm Map



January 9, 1946

Wm. Trenholme  
Hardin, Montana

Dear Mr. Trenholme:

Ref: Irrigated land and water rights  
in Big Horn County

In order that we in Montana will be able to present facts as to the amount of land we are now irrigating, protect our water rights, and keep Montana water in Montana, the Montana State Legislature enacted a law (Sec. 349.63 Montana Session Laws) requiring the State Engineer to investigate and prepare a complete record of all water rights in the state. In compliance with this law all water users in Big Horn County are being requested to supply information regarding their use of water, whether or not they are under a ditch company, Indian service projects, have land adjudicated, such as the Powers Case, or have a private water right and diversion system. We are, therefore, asking you to help us by answering the questions on the enclosed form, which pertains to the land shown thereon.

The adjoining states have already compiled records of their water use in this basin for the protection of their water rights. It is, therefore, necessary that we do the same in Montana. We have completed our survey in Yellowstone, Carbon and Stillwater counties, and have had 100% cooperation from all of the water users in these counties. I am certain that we can expect the same support in Big Horn County. In the three counties where we have completed our survey we have found that there are 239,395.80 acres being irrigated, with a potential acreage under existing facilities of 60,724.61 acres. In time to come these potential acres will be irrigated, and we must plan now to have water available for these acres when they are ready to be irrigated and put into cultivation. We feel sure that we will find this same percentage of irrigable acres under existing facilities in Big Horn County.

We in Montana must be vigilant and do everything possible to protect the rights we have. These rights have been challenged by interests outside the State of Montana, particularly the navigation interests of down-stream states, and also the water users in the neighboring states through which our interstate streams flow. In order to protect our water rights we must have a record of them and of their present uses. We feel that the only way we can obtain this

Mr. Wm. Trenholme

-2-

January 9, 1946

information accurately is from the water users, or the map that is on the land. We have been working for the past seven months in Big Horn County checking farm by farm. The results of this survey are shown on the map on the enclosed form. In order to have a further check, we want you to verify our classification of the land you irrigate. If there is any information that we have compiled on this form which is not correct, we would like to have you change it. We also are depending on you to fill in the questions on this form and mail it to us in the self-addressed envelope at your earliest possible convenience.

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. If there is anything that is not clear, we would appreciate your calling on us.

Very truly yours,

Gerald J. Oravetz  
Ass't State Engineer

Encl.

P.S. These forms are the property of the State of Montana and must be returned.

According to our records the following notices of appropriations were filed on and cover your land.

On August 6, 1906, Roy McKim, C. L. Harris, F. W. Hine and Thomas S. Ballew, filed for 750 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 46, Big Horn County. (335)

On January 2, 1907, Henry Gerharz and Charles F. Stocker filed for 600 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 8, Big Horn County. (336)

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On June 15, 1909, J. E. Edwards, R. E. Shepherd and C. M. Bair (Two Leggins Water Users Association) filed for 600 cubic feet per second from Big Horn River, recorded in Miscellaneous Records, Book A, Page 53, Big Horn County. (339)

On November 2, 1907, Big Horn Low Line Ditch Company (through A. L. Mitchell, President) filed for 250 cubic feet per second from the Big Horn River, recorded in Miscellaneous Records, Book A, Page 27, Big Horn County. (345)

Are these appropriations now in use? If they are not, mark them "No", and if they are, mark them "Yes".



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. 3384 County Big Horn Twp. 2 North Rng. 3 East

Name of Owner J. Schindler, Jr. Address Hardin, Mont.

Name of Operator Herbert, David Jr. Address Hardin, Mont.

Total Number of Acres in Farm 240 Number of Acres Irrigated in 1940 92

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 81° 41' 41" N 12° 30' 11" W Sec 4, 11-21N-38E


32  
1  
40  
42  
113

LC 113

Low King



139  
**STATE OF MONTANA**  
**STATE ENGINEERS OFFICE**  
**Water Resources Survey**

Form WR-1-10M 8-15  
Code No. 14 A, 15 C  
County Big Horn  
T. 2 N. R. 33 E.

Name of Land Owner Williams, H. A. Address Hardin, Montana  
Name of Operator Williams, H. A. & Jones H. Address Hardin, Montana

**Part A**

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

1. Water is delivered by Big Horn Low Line Ditch Co  
Name of Ditch, Ditch Company or District supplying water  
2. State the number of acres you irrigate under this system 240 Shares you hold 255  
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: Big 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? 255 Date 1928  
12. How many acres did you irrigate in 1945? (Crop and pasture) 240  
13. State the total number of additional acres that could be irrigated by increasing the water supply, land leveling, etc. 255 This land is under what ditch? Big Horn Low Line  
14. How many acres of seeped land do you have which could be drained and put into production? 15  
15. What is the condition of your irrigation system? Fair  
16. Is your water supply adequate? Yes ☒ No Explain Canal needs Cleaning  
17. REMARKS: The River has changed some at our headgate and some difficulty will have to be met this coming Spring

240 A. in present - 255 A. potential making 255 A. the maximum

## DESCRIPTION AND MAP OF FARM

18. Legal Description of this Farm  $N\frac{1}{2}$ , West of River, Sec. 14 -  $SE\frac{1}{4}$ , Sec. 15 - Twp. 2 N., Rge. 33 E.

IRRIGATED LAND

NON-IRRIGATED LAND

Farm boundary.

NORTH

Road

River

X

25

22

23

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: ..... *Big Horn Low Line* ..... Acres: *240*

Ditch: \_\_\_\_\_ Acres: \_\_\_\_\_

Information supplied by:

Name H.A. Williams Address Hardin, Montana Date Jan 1946

REMARKS: About 15 or 20 acres in the northeast quarter of Sec 14

was seepy and somewhat rough. However since the Train ditch was extended (three or four years ago) it is in better shape and will stand irrigation again.

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. 137-

Owner Williams, H.A. Address Harden, Mont.

AAA Owner \_\_\_\_\_ Address \_\_\_\_\_

Operator Williams, H.A. & Jones, R. Address Harden, Mont.

New Owner \_\_\_\_\_ Address \_\_\_\_\_

New Operator \_\_\_\_\_ Address \_\_\_\_\_

Assessment Record S.W. 1/4 Sec. 14 - 2 N. 33 E. 85<sup>th</sup>  
SE 1/4 Sec. 15 - 2 N. 33 E. 100<sup>th</sup>

Assessed Acreage 245.0

Legal Description of This Farm N. 1/2 West of River, Sec. 14 - SE 1/4 Sec. 15 - 2 N. 33 E

Total Acres in Farm 1127.0

Code Number 14A-15C

Photo No. 243-15, 243-86,

AAA Contract No. 431

AAA Total Cropland Acreage 253.1

App. No. 335-336-337-339-345

Decree No. \_\_\_\_\_

Land is located in

Twp. 2 N Rge. 33 E Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Twp. \_\_\_\_\_ Rge. \_\_\_\_\_ Twp. \_\_\_\_\_ Rge. \_\_\_\_\_

Filed in Twp. 2 N Rge. 33 E

Remarks \_\_\_\_\_

Big Horn  
Low Line Canal Farm Map

