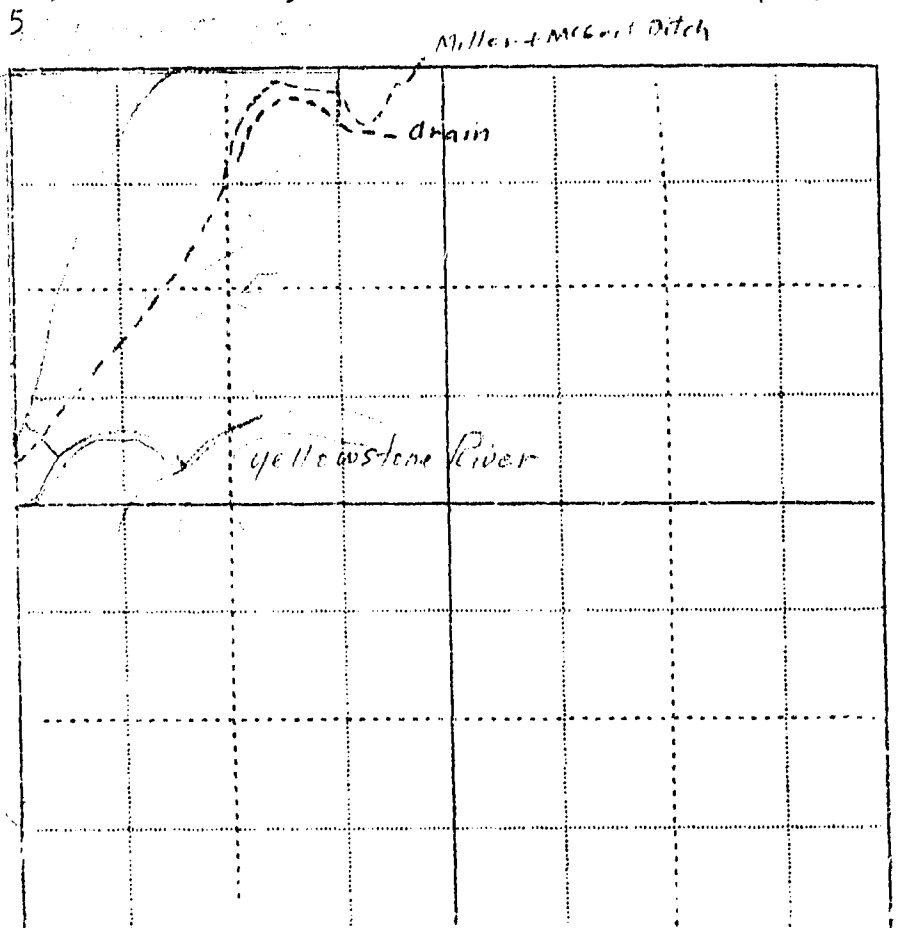


STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date March 6, 1943Name of Water User Lewis J. Schroeder Address Route 3, Billings1. Do you own this land? Yes X No If not give the owner's name below:owner's name Address 2. Source of Water Yellowstone River Water delivered by Miller & McGill Ditch3. Give point of Diversion NE $\frac{1}{4}$ SW $\frac{1}{4}$ Section 7 Township 1N Range 27E4. Water is obtained by: (Check one) Gravity ☒ Pumping Other 5. Who first used water on this land? Mr. H. Tracy Address Deceased6. In what year was this land first irrigated? 1879 Approximate Acres 7. What is the greatest number of acres you have irrigated? 196 Date 19428. Present Use: Year 1942 Acres Irrigated 187.9 1969. If this land is not irrigated now give date of last use 10. State the total number of acres that could be irrigated 206 acres.11. What is the condition of your irrigation system? Good12. Land Description: NW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec. 7, T. 1 N., R. 27 E.Remarks: Has 37 shares in theMiller & McGill Ditchpart of this landincluded from theseshares as the user gotwater from some othersource.Some irrigated fromMud Creek and SevenMile CreekMiller & McGillDitchInformation by W. J. Schroeder Place Billings Mont Date Mar. 15, 1943

A STUDY OF MONTANA'S WATER RESOURCES

Place _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

122

1. County Yellowstone Book 1 Page 70 Record Misc.
2. Name of Appropriator S. R. Miller Address Haraley, Mont.
3. Date Appropriated Dec. 24, 1890 Date Filed Dec. 24, 1890
Amount Appropriated, Miners Inches 1500, Cubic Feet per second _____
4. Name of Stream Yellowstone River Tributary _____ Basin _____
5. Point of Diversion About 4 rods above SW corner of

Sec. 5 Twp. 1 N Rge. 27 E Bank of Stream North
6. Purpose Irrigation; watering stock & other legal purposes.
7. Description of System Ditch 6 ft. by 4 ft. over & upon said lands in a southeasterly direction.

8. Land Description of Intended Place of Use sec 5, 1 N 27 E
S² sec. 33, 1 N 27 E

9. Remarks (Pertaining to Use, etc.) Appropriation made Dec. 1, 1890

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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

#123

1. County Yellowstone Book C Page 51 Record Misc.
2. Name of Appropriator Thos. Mc Gird et al Address Yellowstone Co. Mont.
3. Date Appropriated Oct. 5, 1895 Date Filed Oct. 8, 1895
Amount Appropriated, Miners Inches 2000, Cubic Feet per second _____
4. Name of Stream Yellowstone River Tributary _____ Basin _____
5. Point of Diversion About 600 ft. above S.W. corner of sec. 5 1N 27E
on
Sec. 7 Twp. 11N Rge. 27E Bank of Stream left or north
6. Purpose Irrigation & domestic
7. Description of System Dikes, dams, ditches & headgates. To put in a
damm & headgate at upper end of an island in S.W. river near S.W.
corner of NE NE of sec. 7, 1N 27E. To use arm of river between 2 headgates
as part of system.
8. Land Description of Intended Place of Use All north of Y. river sec. 5, 1N 27E
1/4 NW, 1/4 SW sec. 4, 1N 27E All sec. 33, 2N 27E
All no. of Y. river sec. 35 & 37, 2N 27E
All sec. 27, 2N 27E
5 NW, 5 SW, 5 SE sec. 26, 2N 27E, frac. sec. 26, 2N 27E
9. Remarks (Pertaining to Use, etc.) Should there be a surplus of water
it is to be used for other lands they may acquire
or to sell to others.

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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book E Page 42 Record Misc.
2. Name of Appropriator J. R. Miller & Thos. Mc Gird Address Yellowstone Co. Mont.
3. Date Appropriated June 17, 1905 Date Filed June 19, 1905
Amount Appropriated, Miners Inches _____, Cubic Feet per second 50
4. Name of Stream Yellowstone River Tributary _____ Basin _____
5. Point of Diversion In sec. 7 about 600 ft. above SW corner of

Sec. 5 Twp. 1 N Rge. 27 E Bank of Stream north

6. Purpose Irrigation, domestic & other.

7. Description of System Dam across an arm of said river near SW corner of NENE⁴ of sec. 7, 1 N 27 E. Another dam where ditch taps river & a dike built between dams. A headgate at each dam. Ditch diverting water from river runs NE.

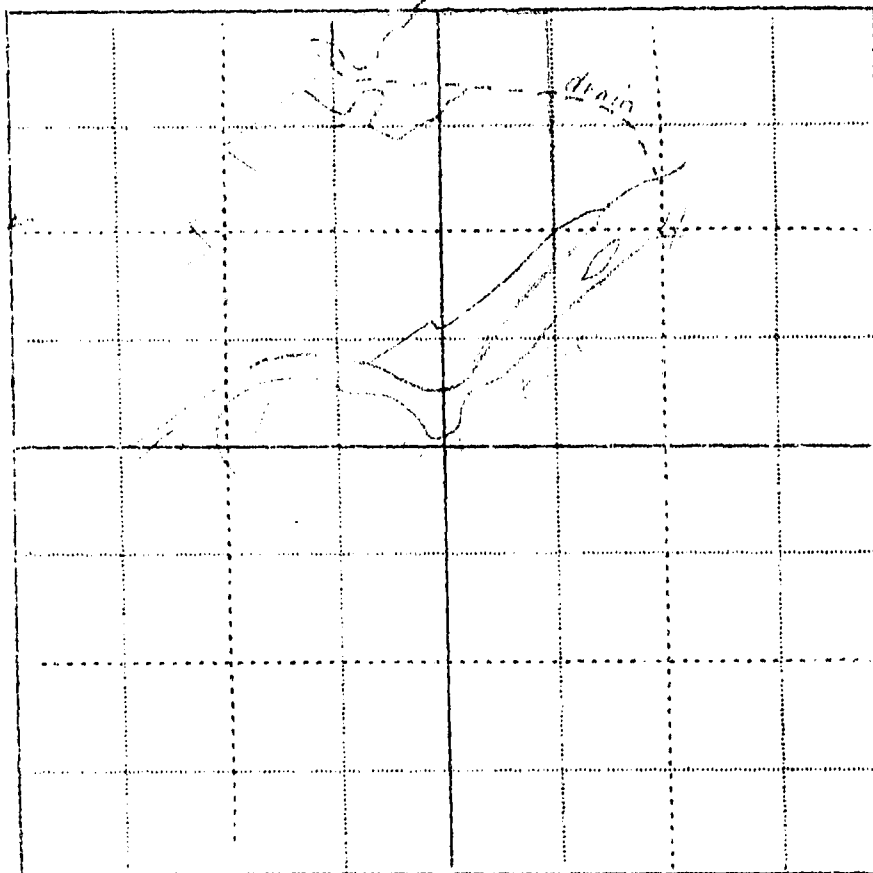
8. Land Description of Intended Place of Use All lying no. of Y. river in sec. 45, 1 N 27 E
All sec. 33, 2 N 27 E
All no. of river in sec. 26, 27 & 33, 2 N 27 E

9. Remarks (Pertaining to Use, etc.) To be used & controlled in manner stipulated in agreement made Oct. 5, 1895 in Book C page 54, Misc. Records.

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 _____

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date March 6, 1943Name of Water User Walter L. Schroeder Address Route 3, Billings1. Do you own this land? Yes X No If not give the owner's name below:Owner's name Address 2. Source of Water Yellowstone River Water delivered by Miller & McGirl Ditch3. Give point of Diversion 1/4 1/4 Section Township 11 Range 274. Water is obtained by: (Check one) Gravity ✓ Pumping Other 5. Who first used water on this land? Address 6. In what year was this land first irrigated? 1912 Approximate Acres 7. What is the greatest number of acres you have irrigated? Date 8. Present Use: Year 1942 Acres Irrigated 292.69. If this land is not irrigated now give date of last use 10. State the total number of acres that could be irrigated acres.11. What is the condition of your irrigation system? 12. Land Description: All E 1/2 (No. of river) except NW 1/4, Sec. 5
W 1/2, Lot 5, Sec. 4 Range 27 E.Remarks: Has 38 sharesin the Miller & McGirl Ditchappropriation in thename of Walter L. Schroederas of Oct 4, 1915apparently 15 shareswas received from theMiller & McGirl Ditchat the time of thecreation of the ditch Information by Place Billings, Mont. Date Mar. 15, 1943

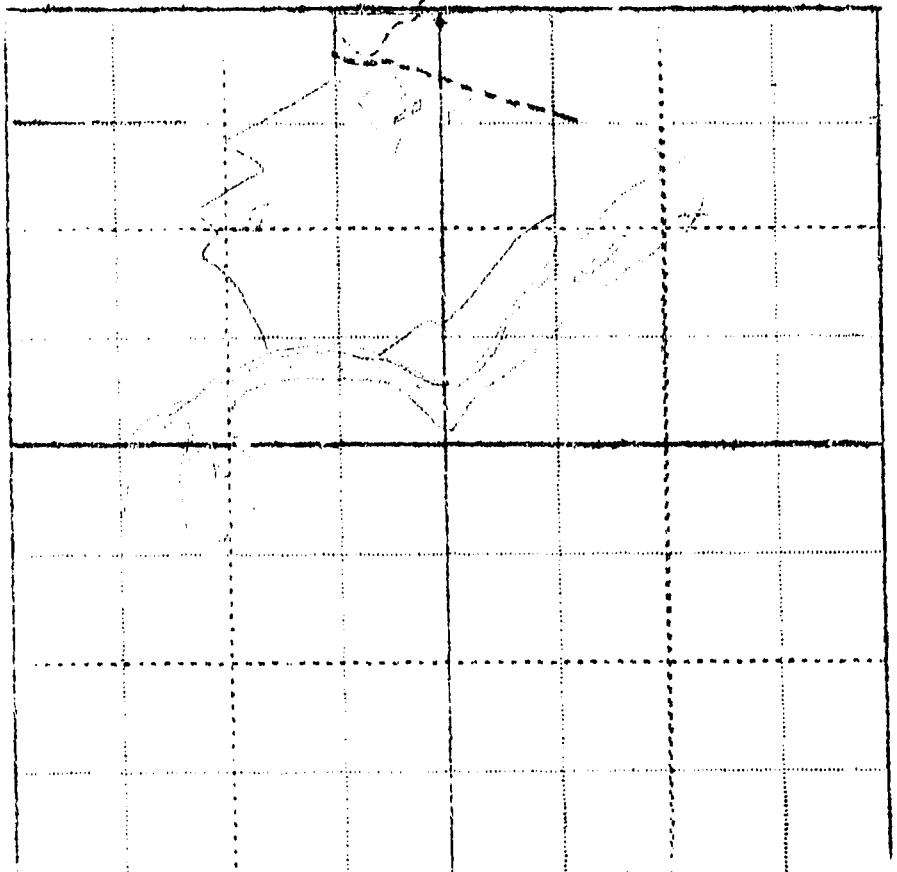
FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

- County Yellowstone Source of Information 1911-1912-1913-1936
1. Water User Montana Electric Co. Address Box 3 Billings
2. Stream _____ Tributary to _____ Basin _____
3. Point of Diversion 2 1/2 Section _____ Township _____ Range _____
4. Description of System _____
5. Type of Irrigation _____
6. Original Appropriator _____ Address _____
7. First Use: Year _____ Acres Irrigated _____
8. Maximum Use: Year _____ Acres Irrigated _____
9. Present Use: Year 1911 Acres Irrigated ? 1911-1912-1913-1936
10. Last Use: Year _____ Why Abandoned _____
11. Condition of System _____
12. Land Description Sec 4, T17N, R2E, S5

Remarks:

38 shares of water right



WITNESS:

Information by _____

Place _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone (Gallatin) Book A Page 51 Record Misc.
2. Name of Appropriator Wm. H. Tracy Address Bozeman, Mont. Ter.
3. Date Appropriated Nov. 19, 1879 Date Filed Jan. 6, 1880
- Amount Appropriated, Miners Inches _____, Cubic Feet per second ✓
4. Name of Stream Yellowstone River Tributary _____ Basin _____
5. Point of Diversion In northeast part of sec. 7, being in Custer Co.
- Sec. 7 Twp. 1 N Rge. 27 E Bank of Stream ✓
6. Purpose Irrigating land listed below
7. Description of System Ditch running from said point enters & 2
5 upon its west line, crossing sec. 5, enters sec. 4 upon
its west line. Furrows connecting branches from
ditch over & upon land described.
8. Land Description of Intended Place of Use S W N W, lots 3 & 5 sec. 4 1 N 27 E
S² NE, NWSE, lots 1, 2, 7 & 8 " 5 1 N 27 E
9. Remarks (Pertaining to Use, etc.) Water has been used since March 1878

Transcribed from Custer Co. Records Book A

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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book 1 Page 70 Record Misc.
2. Name of Appropriator S. R. Miller Address Huntley, Mont.
3. Date Appropriated Dec. 24, 1890 Date Filed Dec. 24, 1890
Amount Appropriated, Miners Inches 1500, Cubic Feet per second _____
4. Name of Stream Yellowstone River Tributary _____ Basin _____
5. Point of Diversion About 4 rods above SW corner of

Sec. 5 Twp. 11 Rge. 27 E Bank of Stream North
6. Purpose Irrigation, watering stock, & domestic
7. Description of System Ditch bft. by 4 ft. over & upon said lands
in a southeasterly direction

8. Land Description of intended Place of Use Sec. 5, 1N 27E
S² Sec. 33, 2N 27E

9. Remarks (Pertaining to Use, etc.) Appropriation made Dec. 1, 1890

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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book E Page 42 Record Misc
2. Name of Appropriator S.R. Miller & Thos. McGill Address Yellowstone Co. Mont.
3. Date Appropriated June 17, 1905 Date Filed June 19, 1905
- Amount Appropriated, Miners Inches _____, Cubic Feet per second 50
4. Name of Stream Yellowstone River Tributary _____ Basin _____
5. Point of Diversion In sec. 7 about 600 ft. above SW corner of
- Sec. 5 Twp. 1N Rge. 27E Bank of Stream north
6. Purpose Irrigation, domestic, sale & other beneficial
7. Description of System Dam across an arm of said river near SW corner of NENE" sec. 7, 1N 27E Another dam at point where ditch taps river & a dike built between dams. A feedgate at each dam.
8. Land Description of Intended Place of Use All north of Y. river in sec. 4 & 5 1N 27E
All sec 33, 2N 27E. All north of Y. river in sec. 26, 27, 35, 2N 27E
9. Remarks (Pertaining to Use, etc.) To be used & controlled in manner stipulated in agreement made Oct. 5, 1895 Book C. page 5 & Misc Records.

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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book C Page 51 Record Misc.
2. Name of Appropriator Thos. McGirk et al Address Yellowstone Co, Mont.
3. Date Appropriated Oct. 5, 1895 Date Filed Oct. 8, 1895
Amount Appropriated, Miners Inches 2000, Cubic Feet per second _____
4. Name of Stream Yellowstone River Tributary _____ Basin _____
5. Point of Diversion about 500 ft. above SW corner sec. 5 1 N 27 E
_____ sec. 7
Sec. 7 Twp. 1 N Rge. 27 E Bank of Stream left or north
6. Purpose Irrigation, domestic & other useful
7. Description of System Dikes, dams, ditches & headgates. To put in a dam & headgate at upper end of an island in said river near SW corner of NENE⁴ of sec. 7, 1 N 27 E. To use arm of river between 2 headgates as part of system.
8. Land Description of Intended Place of Use All no. of Y. river sec. 5 1 N 27 E
W²NW⁴, NWSW⁴ sec. 4, 1 N 27 E All sec. 27 & 33 2 N 27 E
All no. of Y. river in sec. 35 & 37 2 N 27 E
S²NW⁴, SW⁴, W²SE⁴ sec 26 - 2 N 27 E
9. Remarks (Pertaining to Use, etc.) Should there be a surplus of water it is to be used for other lands they may acquire or to sell to others.
Et al being S. R. Miller

Decree

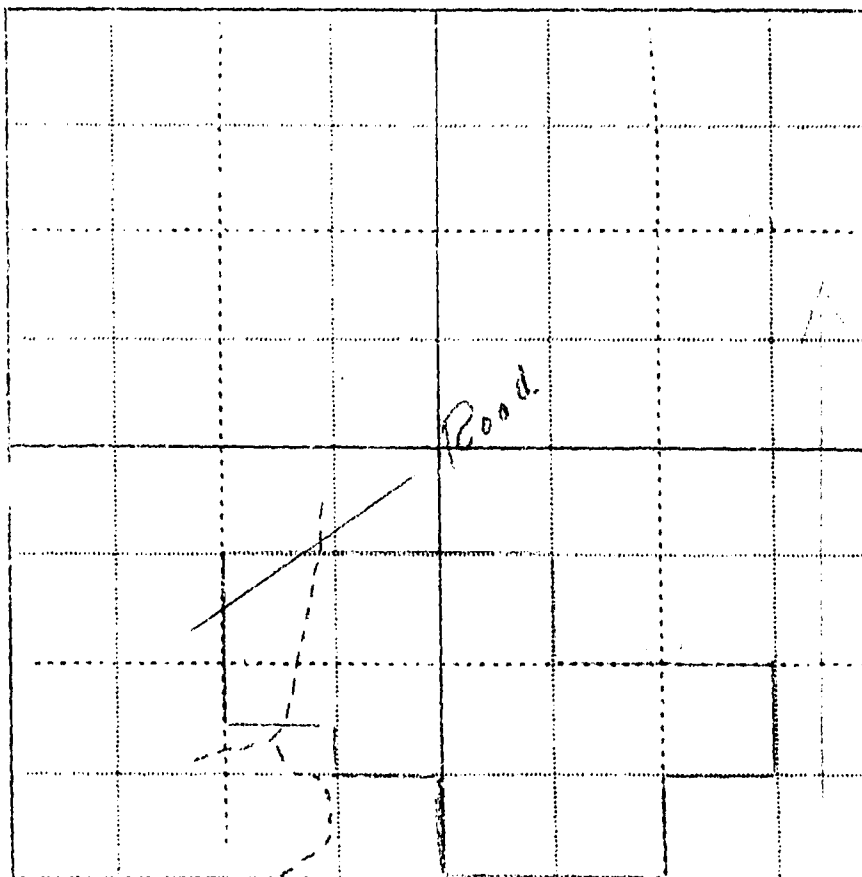
10. Case No. _____ Date _____ Amt. Decreed: M. I. _____ C. F. S. _____
11. To Whom Decreed _____ Address _____
12. Name of Ditch _____ Maximum Capacity (C. F. S.) _____
13. Date of Priority _____ Purpose _____
14. Land Description of Place of Use as Decreed _____

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date March 5, 1943

Name of Water User _____ Address _____

1. Do you own this land? Yes _____ No _____ If not give the owner's name below:

Owner's name Lester D. Sharon Address Box 299, Billings2. Source of Water Yellowstone River Water delivered by Lockwood Ditch3. Give point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section _____ Township _____ Range _____4. Water is obtained by: (Check one) Gravity ☒ Pumping _____ Other _____5. Who first used water on this land? Lester D. Sharon Address Lockwood Ditch6. In what year was this land first irrigated? 1913 Approximate Acres _____7. What is the greatest number of acres you have irrigated? 57 Date 19248. Present Use: Year 1942 Acres Irrigated 349. If this land is not irrigated now give date of last use ✓10. State the total number of acres that could be irrigated 34 acres.11. What is the condition of your irrigation system? Good12. Land Description: S $\frac{1}{4}$ NE $\frac{1}{4}$, NE $\frac{1}{4}$ SE $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 20, Twp. 1 N., Range 27 E.SW $\frac{1}{4}$ NW $\frac{1}{4}$, SW $\frac{1}{4}$, NW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 21Remarks: Is assessed for37.70 acres in the Lockwood Ditch20 years agofrom the ditchfor the first time(app 355)has been in usefor some timeand is in goodconditionand is beingused forirrigationInformation by L. D. Sharon Place Billings Date March 18, 1943

A STUDY OF MONTANA'S WATER RESOURCES

1. Water User L. D. Sharon Address Box 299 - Billings

[illegible]

3. Point of Diversion $\frac{1}{4}$ $\frac{1}{2}$ Section Township Range

4. Description of System

5. Type of Irrigation _____

6. Original Appropriator	Address
--------------------------	---------

7. First Use: Year _____ Acres Irrigated _____

8. Maximum Use: Year Acres Irrigated

9. Present Use: Year 1941 Acres Irrigated 34.0

10. Last Use:	Year	Why Abandoned

11. Condition of System

12. Land Description S¹/₄ NE¹/₄ NE¹/₄ NW¹/₄ Sec 20, T 1 N, R 27 E
SW NW¹/₄ SW¹/₄ NW¹/₄ Sec 21 " "

Remarks:

37.70 Rev. - Lockwood

[illegible]

WITNESS: _____ Information by _____

Place _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book E Page 284 Record Misc.
2. Name of Appropriator Brian Hart Address Billings, Mont.
3. Date Appropriated May 12, 1906 Date Filed May 22, 1906
Amount Appropriated, Miners Inches _____, Cubic Feet per second 5
4. Name of Stream Springs Tributary _____ Basin _____
5. Point of Diversion At spring

Sec. _____ Twp. _____ Rge. _____ Bank of Stream _____

6. Purpose Watering stock & all useful, beneficial
7. Description of System Springs cleaned out & curbed with wood curbing to act as reservoir. Spring tapped by 1 1/4 in. pipe & water conveyed to a trough 25 ft. away. Trough 18 in. wide 10 in. high, 20 ft. long. Dam in creek bottom below springs 10 ft. long, 8 ft. wide on bottom, 3 ft. wide on top & 3 ft. high. Dam of dirt, brush & rock.
8. Land Description of Intended Place of Use NW NW 1/4 sec. 27, 1N 27E
NE 1/4 " 28 1N 27E
SE 1/4 " 21 1N 27E

9. Remarks (Pertaining to Use, etc.) In NW NW 1/4 sec. 27 1N 27E & known as "Muddy Springs" & Brian Hart Springs - waters of which flow west into sec. 28 1N 27E then N or NW into sec. 21, 1N 27E claimant also appropriated these waters in 1896 & has used & kept springs clean since that time.

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 _____

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date March 6, 1943

Name of Water User _____ Address _____

1. Do you own this land? Yes _____ No _____ If not give the owner's name below:

Owner's name ARTHUR Anthony & Addie Smith Address 2808 8th Ave. S.2. Source of Water Yellowstone River Water delivered by _____3. Give point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section 29 Township 1N Range 27E

4. Water is obtained by: (Check one) Gravity _____ Pumping _____ Other _____

5. Who first used water on this land? _____ Address _____

6. In what year was this land first irrigated? _____ Approximate Acres _____

7. What is the greatest number of acres you have irrigated? 14.42 Dat 7/278. Present Use: Year 1942 Acres Irrigated 14.429. If this land is not irrigated now give date of last use 193910. State the total number of acres that could be irrigated 10 $\frac{3}{4}$ acres.

11. What is the condition of your irrigation system? _____

12. Land Description: Ft. NW, NW, SW, NW, NW, SW, Sec. 29, T.p. 1N, Range 27E.

Remarks: Smith-Stewart Co. is assessed for 14.42 acres in the Lockwood Ditch. Is this land irrigated from these shares?

Do you use water from any other source (no answer)

*all the from
Lockwood
Ditch*

Information by Arthur Smith Place Yellowstone Date March 6, 1943

A STUDY OF MONTANA'S WATER RESOURCES

1. Water User Arthur & Addie Smith Address 2005 3rd Ave

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

5. Type of Irrigation

7. First Use: Year Acres Irrigated

8. Maximum Use; Year _____ Acres Irrigated _____

[illegible]

10. Last Use:	Year	Why Abandoned

11. Condition of System

12. Land Description Pl 2nd 110 1st 110 1st 110, T 11, R 27E

Remarks: *much changed. 29*

Feb 14, 43 near Lockwood

1

[illegible]

WITNESS:

Information by

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book E Page 1 Record Miss.
2. Name of Appropriator Oris E. Pearsall & Heenan Beecraft Address Billings, Mont.
3. Date Appropriated Mar. 7, 1905 Date Filed Mar. 9, 1905
Amount Appropriated, Miners Inches _____, Cubic Feet per second 50
4. Name of Stream Coulees (2) Tributary _____ Basin _____
5. Point of Diversion 1st. near NW corner of SENE⁴ sec. 29, 1N 27E
2nd. About 300 ft. west of east line of land of Heenan Beecraft
Sec. _____ Twp. _____ Rge. _____ Bank of Stream _____
6. Purpose Irrigating, watering stock & other beneficial.
7. Description of System 1st. dam built on Pearsall Coulee near NW corner of SENE⁴ of sec 29, 1N 27E. Dam being 100 ft. long, 40 ft. wide on bottom 15 ft. wide on top & 15 ft. high, of dirt & rock. 2 ditches top dam in Pearsall Coulee, one at west end with headgate. 2nd dam about 300 ft. west of east line of land of Heenan Beecraft where Beecraft Coulee strikes said land. Dam to be 50 ft. long, 35 ft. wide on bottom, 10 ft. wide on top & 10 ft. high. Of brush, dirt & rock.
8. Land Description of Intended Place of Use
SWSE⁴ sec 20 1N 27E
W²NE⁴, SENE⁴ " 29 1N 27E
E⁴NW⁴, N²SW⁴ " 29 1N 27E
9. Remarks (Pertaining to Use, etc.) Coulees have their source in hills in sec. 28, 29 and 33 1N 27E. Coulee on east designated as Pearsall Coulee. Coulee on west designated as Beecraft Coulee. Both coulees which collect snow & rain water. Each coulee has a dam to act as a reservoir.

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 _____

STATE ENGINEERS OFFICE
Water Resources Survey

Notice of Appropriation

1. County Yuba Book 1 Page 101 Record 101
2. Name of Appropriator John J. Hensley Address Yuba City, Tex.
3. Date Appropriated 8-15-07 De' Filed 8-28-07
Amount Appropriated, Miners Inches 16.00, Cubic Feet per second
4. Name of Stream Yuba River Tributary Basin
5. Point of Diversion

Sec. Twp. Rge. Bank of Stream
6. Purpose
7. Description of System
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.)

400

1. Water User John Hunt Address John Hunt

3. Point of Diversion _____ Section _____ Township _____ Range _____

5. Type of Irrigation

7. First Use: Year _____ Acres Irrigated _____

9. Present Use: Year 1960 Acres Irrigated 100

11. Condition of System

Remarks: 24

Ph. b. n. s. on L. b. n. s.

Part irrigated
Not irrigated since
1939

Place Albany

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date March 6, 1943

Name of Water User W. L. French Address R.R. 3 Bellinger

1. Do you own this land? Yes No ~~X~~ If not give the owner's name below:

Owner's name Cora Throop Address 3110 4th No., Billings

2. Source of Water Yellowstone River Water delivered by B. L. & I. Ditch

3. Give point of Diversion 1/4 1/4 Section Township Range

4. Water is obtained by: (Check one) Gravity ☒ Pumping ☐ Other ☐

5. Who first used water on this land? J. O. Frank Address Plant 14

6. In what year was this land first irrigated? 1913 Approximate Acres 27

7. What is the greatest number of acres you have irrigated? 27 Date

8. Present Use: Year 1942 Acres Irrigated ~~30~~ 27

9. If this land is not irrigated now give date of last use _____

10. State the total number of acres that could be irrigated 27 acres.

11. What is the condition of your irrigation system? Good

12. Land Description: $N\frac{1}{2}N\frac{1}{2}NE\frac{1}{4}$, Sec. 6 T. 3. 1 N. Range 27 E.

Remarks: Has 50 M. I. in the

B. L. & T.

Do you use any
water from the
main supply?

27 phases B L-4

[illegible]

Information by Walter Thurst Place Billing Date 3-30-43

4-26-2000 E-0146

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, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 26

County St. Louis Source of Information James H. [unclear]

1. Water User Coca Truck Address 5110 N. 4th Billings.

2. Stream _____ Tributary to _____ Basin _____

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

4. Description of System

5. Type of Irrigation

6. Original Appropriator	Address
--------------------------	---------

7. First Use:	Year	Acres Irrigated

8 Maximum Use: Year _____ Area: _____

40 9. Present Use: Year 1964 Acres Irrigated 200

10.	Last Use,	Year	Why Abandoned

11. Condition of System

12. Land Description 27' x 66' Sec 6, T 14, R 37 E

Remarks: *See above*

30 June 1974

[illegible]

[Illegible handwritten notes]

1. $\frac{1}{2} \log \frac{1}{2} = -0.5$
 2. $\frac{1}{4} \log \frac{1}{4} = -0.5$
 3. $\frac{1}{8} \log \frac{1}{8} = -0.5$
 4. $\frac{1}{16} \log \frac{1}{16} = -0.5$
 5. $\frac{1}{32} \log \frac{1}{32} = -0.5$
 6. $\frac{1}{64} \log \frac{1}{64} = -0.5$
 7. $\frac{1}{128} \log \frac{1}{128} = -0.5$
 8. $\frac{1}{256} \log \frac{1}{256} = -0.5$
 9. $\frac{1}{512} \log \frac{1}{512} = -0.5$
 10. $\frac{1}{1024} \log \frac{1}{1024} = -0.5$
 11. $\frac{1}{2048} \log \frac{1}{2048} = -0.5$
 12. $\frac{1}{4096} \log \frac{1}{4096} = -0.5$
 13. $\frac{1}{8192} \log \frac{1}{8192} = -0.5$
 14. $\frac{1}{16384} \log \frac{1}{16384} = -0.5$
 15. $\frac{1}{32768} \log \frac{1}{32768} = -0.5$
 16. $\frac{1}{65536} \log \frac{1}{65536} = -0.5$
 17. $\frac{1}{131072} \log \frac{1}{131072} = -0.5$
 18. $\frac{1}{262144} \log \frac{1}{262144} = -0.5$
 19. $\frac{1}{524288} \log \frac{1}{524288} = -0.5$
 20. $\frac{1}{1048576} \log \frac{1}{1048576} = -0.5$
 21. $\frac{1}{2097152} \log \frac{1}{2097152} = -0.5$
 22. $\frac{1}{4194304} \log \frac{1}{4194304} = -0.5$
 23. $\frac{1}{8388608} \log \frac{1}{8388608} = -0.5$
 24. $\frac{1}{16777216} \log \frac{1}{16777216} = -0.5$
 25. $\frac{1}{33554432} \log \frac{1}{33554432} = -0.5$
 26. $\frac{1}{67108864} \log \frac{1}{67108864} = -0.5$
 27. $\frac{1}{134217728} \log \frac{1}{134217728} = -0.5$
 28. $\frac{1}{268435456} \log \frac{1}{268435456} = -0.5$
 29. $\frac{1}{536870912} \log \frac{1}{536870912} = -0.5$
 30. $\frac{1}{1073741824} \log \frac{1}{1073741824} = -0.5$
 31. $\frac{1}{2147483648} \log \frac{1}{2147483648} = -0.5$
 32. $\frac{1}{4294967296} \log \frac{1}{4294967296} = -0.5$
 33. $\frac{1}{8589934592} \log \frac{1}{8589934592} = -0.5$
 34. $\frac{1}{17179869184} \log \frac{1}{17179869184} = -0.5$
 35. $\frac{1}{34359738368} \log \frac{1}{34359738368} = -0.5$
 36. $\frac{1}{68719476736} \log \frac{1}{68719476736} = -0.5$
 37. $\frac{1}{137438953472} \log \frac{1}{137438953472} = -0.5$
 38. $\frac{1}{274877906944} \log \frac{1}{274877906944} = -0.5$
 39. $\frac{1}{549755813888} \log \frac{1}{549755813888} = -0.5$
 40. $\frac{1}{1099511627776} \log \frac{1}{1099511627776} = -0.5$
 41. $\frac{1}{2199023255552} \log \frac{1}{2199023255552} = -0.5$
 42. $\frac{1}{4398046511104} \log \frac{1}{4398046511104} = -0.5$
 43. $\frac{1}{8796093022208} \log \frac{1}{8796093022208} = -0.5$
 44. $\frac{1}{17592186044416} \log \frac{1}{17592186044416} = -0.5$
 45. $\frac{1}{35184372088832} \log \frac{1}{35184372088832} = -0.5$
 46. $\frac{1}{70368744177664} \log \frac{1}{70368744177664} = -0.5$
 47. $\frac{1}{140737488355328} \log \frac{1}{140737488355328} = -0.5$
 48. $\frac{1}{281474976710656} \log \frac{1}{281474976710656} = -0.5$
 49. $\frac{1}{562949953421312} \log \frac{1}{562949953421312} = -0.5$
 50. $\frac{1}{1125899906842624} \log \frac{1}{1125899906842624} = -0.5$
 51. $\frac{1}{2251799813685248} \log \frac{1}{2251799813685248} = -0.5$
 52. $\frac{1}{4503599627370496} \log \frac{1}{4503599627370496} = -0.5$
 53. $\frac{1}{9007199254740992} \log \frac{1}{9007199254740992} = -0.5$
 54. $\frac{1}{18014398509481984} \log \frac{1}{18014398509481984} = -0.5$
 55. $\frac{1}{36028797018963968} \log \frac{1}{36028797018963968} = -0.5$
 56. $\frac{1}{72057594037927936} \log \frac{1}{72057594037927936} = -0.5$
 57. $\frac{1}{144115188075855872} \log \frac{1}{144115188075855872} = -0.5$
 58. $\frac{1}{288230376151711744} \log \frac{1}{288230376151711744} = -0.5$
 59. $\frac{1}{576460752303423488} \log \frac{1}{576460752303423488} = -0.5$
 60. $\frac{1}{1152921504606846976} \log \frac{1}{1152921504606846976} = -0.5$
 61. $\frac{1}{2305843009213693952} \log \frac{1}{2305843009213693952} = -0.5$
 62. $\frac{1}{4611686018427387904} \log \frac{1}{4611686018427387904} = -0.5$
 63. $\frac{1}{9223372036854775808} \log \frac{1}{9223372036854775808} = -0.5$
 64. $\frac{1}{18446744073709551616} \log \frac{1}{18446744073709551616} = -0.5$
 65. $\frac{1}{36893488147419103232} \log \frac{1}{36893488147419103232} = -0.5$
 66. $\frac{1}{73786976294838206464} \log \frac{1}{73786976294838206464} = -0.5$
 67. $\frac{1}{147573952589676412928} \log \frac{1}{147573952589676412928} = -0.5$
 68. $\frac{1}{295147905179352825856} \log \frac{1}{295147905179352825856} = -0.5$
 69. $\frac{1}{590295810358705651712} \log \frac{1}{590295810358705651712} = -0.5$
 70. $\frac{1}{1180591620717411303424} \log \frac{1}{1180591620717411303424} = -0.5$
 71. $\frac{1}{2361183241434822606848} \log \frac{1}{2361183241434822606848} = -0.5$
 72. $\frac{1}{4722366482869645213696} \log \frac{1}{4722366482869645213696} = -0.5$
 73. $\frac{1}{9444732965739290427392} \log \frac{1}{9444732965739290427392} = -0.5$
 74. $\frac{1}{18889465931478580854784} \log \frac{1}{18889465931478580854784$

1. $\frac{1}{2} \log \frac{1}{2}$

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[illegible]

As a result, the model is able to capture the temporal dependencies between the input and output sequences, and the model is able to learn the temporal dependencies between the input and output sequences.

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, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 2678, 2679, 2680, 26

[illegible]

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$$\text{Equation 1: } \ln(\text{rate}_{\text{eff}}) = \ln(1 - \text{rate}_{\text{in}}) + \ln(1 - \text{rate}_{\text{out}}) + \ln(1 - \text{rate}_{\text{in}} \times \text{rate}_{\text{out}}) + \ln(1 - \text{rate}_{\text{in}} \times \text{rate}_{\text{out}} \times \text{rate}_{\text{in}} \times \text{rate}_{\text{out}}) + \ln(1 - \text{rate}_{\text{in}} \times \text{rate}_{\text{out}} \times \text{rate}_{\text{in}} \times \text{rate}_{\text{out}} \times \text{rate}_{\text{in}} \times \text{rate}_{\text{out}}) + \dots$$

WITNESS:

Information by _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book E Page 84 Record Misc.
2. Name of Appropriator Billings Land & Irr. Co. Address Billings, Mont.
3. Date Appropriated Sept. 19, 1905 Date Filed Sept. 26, 1905
Amount Appropriated, Miners Inches _____, Cubic Feet per second 2.5
4. Name of Stream Seven Mile Creek Tributary _____ Basin _____
5. Point of Diversion About 300 ft. north of SE corner of SW SW⁴ of

Sec. 31 Twp. 2N Rge. 27E Bank of Stream North
6. Purpose Domestic & irrigation of land listed below
7. Description of System Dam & ditch. Ditch 3 ft. wide on bottom, 6 ft. wide across top & not less than 2 ft. deep running east to place of use.
8. Land Description of Intended Place of Use Sec. 6 1N 27E
" 32 2N 27E
9. Remarks (Pertaining to Use, etc.) Smaller ditches to distribute water to place of use.

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 _____

A STUDY OF MONTANA'S WATER RESOURCES

County Y. Stone Source of Information AAA 21351. Water User P. Jonas Address Billings2. Stream Carbon & Lockwood Tributary to Gr. R. Basin Y.C.3. Point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section Township Range 4. Description of System Head Gate & Siphon - Pump5. Type of Irrigation Gravity - (1, 6-inch pump on Carbon)6. Original Appropriator Lockwood & Carbon Address Billings7. First Use: Year Acres Irrigated 8. Maximum Use: Year Acres Irrigated 2nd d. irrigate 145,009. Present Use: Year 1942 Acres Irrigated 99.910. Last Use: Year Why Abandoned 11. Condition of System Good12. Land Description SE 1/4, N 1/4, SW 1/4, Sec 17, T 1 N, R 27 E.Remarks: None

72.5 A - 46.42 Carbon

37.1 A - 37.1 Lockwood

Lockwood & CarbonCarbonThe Lockwoodpump is locatedat the headof the Carbonstreamand is usedto pump waterWITNESS: J. D. JonesInformation by Pete JonasPlace BillingsOffice, April 26, 1943

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date March 6, 1943

Name of Water User _____ Address _____

1. Do you own this land? Yes _____ No X If not give the owner's name below:Owner's name C. A. Watson Address 2709 1st Ave. N.
2611 Montana Ave., Billings2. Source of Water Yellowstone River Water delivered by _____3. Give point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section _____ Township _____ Range _____

4. Water is obtained by: (Check one) Gravity _____ Pumping _____ Other _____

5. Who first used water on this land? _____ Address _____

6. In what year was this land first irrigated? _____ Approximate Acres _____

7. What is the greatest number of acres you have irrigated? 20 Date _____8. Present Use: Year 1942 Acres Irrigated 17 est. 20

9. If this land is not irrigated now give date of last use _____

10. State the total number of acres that could be irrigated 30 acres.

11. What is the condition of your irrigation system? _____

12. Land Description: E¹E¹, Sec. 8, S. of River Twp. 1 N. Range 27 E.

Remarks: _____

If you do not own the
shares in the Coulson
ditch, please tell me
who does? and how many

Information by _____ Place _____ Date _____



C. A. WATSON THE HATTER

HAT MAKERS SINCE 1910

CLEANING AND BLOCKING

BILLINGS, MONTANA

My dear Sir:

I have been very much interested
in the letter of the 11th inst. and
am glad to hear that you are
interested in the hat business.
I have been in the business for
many years and have a good
knowledge of the same. I have
also been in the business of
cleaning and blocking hats for
many years and have a good
knowledge of the same. I have
also been in the business of
making hats for many years and
have a good knowledge of the same.
I am sure that you will find
this information of some
value to you. I am sure
that you will find this
information of some value to
you. I am sure that you will
find this information of some
value to you.

purpose of it.

The Coulson claim although this
property had not come to water

of a land claimant. However
it had been a land claimant

or for the land claimant
and the land claimant and
the land claimant.

The land claimant and the land claimant
claim and the land claimant and the land claimant
claim and the land claimant and the land claimant
claim and the land claimant and the land claimant

Wm. H. H. H. H.

Wm. H. H. H.

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County Spokane Source of Information Ownership & Photo

1. Water User C. A. Watson Address 2411 West 12th Ave. Missoula

2. Stream 2709 N. 1st St. Tributary to Basin

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

4. Description of System

5. Type of Irrigation

6. Original Appropriator Address

7. First Use: Year Acres Irrigated

8. Maximum Use: Year Acres Irrigated

159 9. Present Use: Year Acres Irrigated 17 ac.

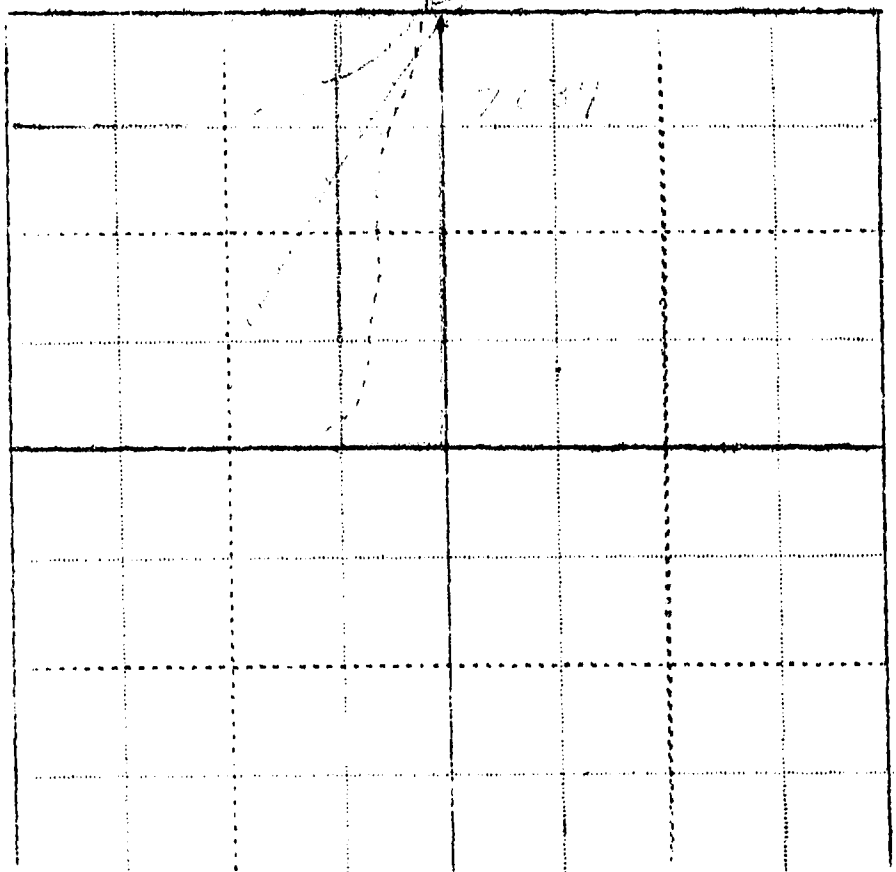
10. Last Use: Year Why Abandoned

11. Condition of System

12. Land Description 1/4 Sec 8 T14N R27E

Remarks: no

Part irrigation
No ditch Co Record
End of ditch, no
no ditch



WITNESS: J. A. Information by Ditch Co Record
Place

FORM SM-1a

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date March 6, 1943

Name of Water User _____ Address _____

1. Do you own this land? Yes _____ No _____ If not give the owner's name below:

Owner's name Yellowstone County Address _____

2. Source of Water Yellowstone River Water delivered by _____

3. Give point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section _____ Township _____ Range _____

4. Water is obtained by: (Check one) Gravity _____ Pumping _____ Other _____

5. Who first used water on this land? _____ Address _____

6. In what year was this land first irrigated? _____ Approximate Acres _____

7. What is the greatest number of acres you have irrigated? _____ Date _____

8. Present Use: Year 1942 Acres Irrigated 25 est. 26.70 0

9. If this land is not irrigated now give date of last use _____

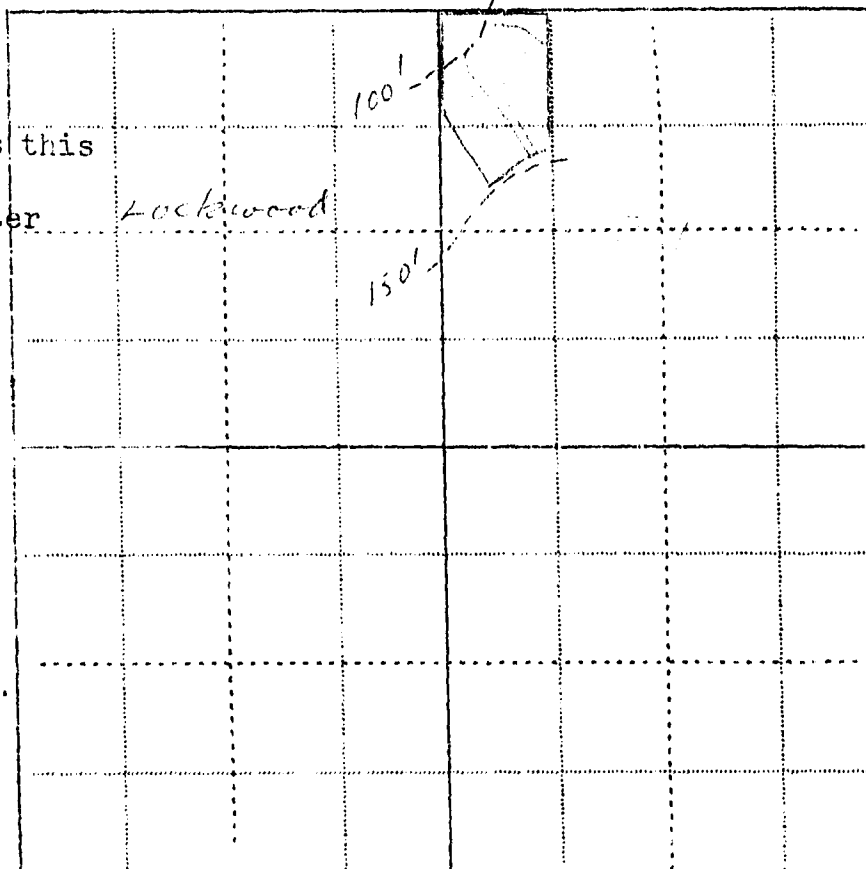
10. State the total number of acres that could be irrigated 26.70 acres.

11. What is the condition of your irrigation system? _____

12. Land Description: Part NW $\frac{1}{4}$ NW $\frac{1}{4}$, Sec. 29, Twp. 1 N. Range 27 E.

Remarks: Lockwood Ditch

under 150' Lateral which has been
abandoned since 1939. A.A.A. Shows this
as irrigated in 1941, must pump water
if it was irrigated.



Place

Date

Yellowstone

Forms filed in Township 1 North, Range 28 East

Bradstreet, Florence M.

Holt, Gus

Link, J. G.

McClain, W. A.

Milam, E. E.

Milam, E. E.

Robinson, Jas. E.

Swihart, J. R.

Von Bergen, Clarence

Westergard, O. H., Mrs.

Wittman, Henry & Son

STATE OF MONTANA
State Engineer's Office
WATER RESOURCES SURVEY

Township 1N Range 28E County Yellowstone

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

Yellowstone
State Engineer's Office
Yellowstone

Township _____ Range _____

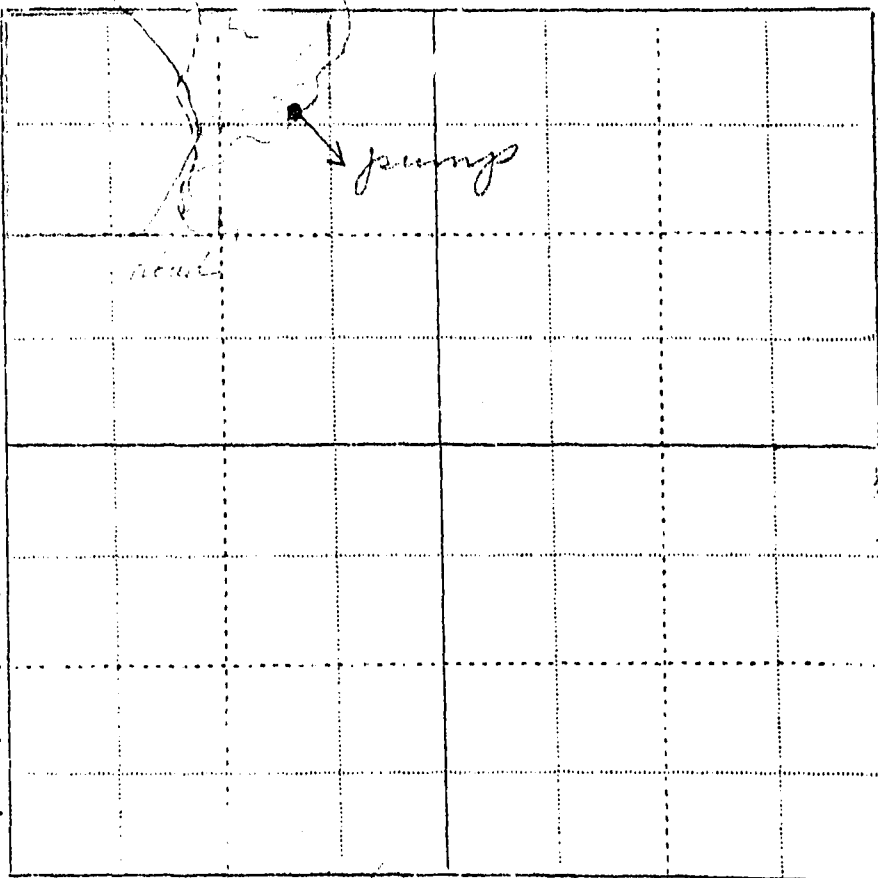
A STUDY OF MONTANA'S WATER RESOURCES

190

- County _____ Source of Information _____
1. Water User _____ Address _____
2. Stream _____ Tributary to _____ Basin _____
3. Point of Diversion _____ Section _____ Township _____ Range _____
4. Description of System Pump, head gate & ditch
5. Type of Irrigation Floodirrigation
6. Original Appropriator _____ Address 2000 1st St. Helena, Mont. #184
7. First Use: Year 1900 Acres Irrigated 25
8. Maximum Use: Year 1937 Acres Irrigated 25
9. Present Use: Year 1940 Acres Irrigated 25
10. Last Use: Year _____ Why abandoned land is irrigated by other means
11. Condition of System Fair
12. Land Description _____, T _____, R _____

Remarks: _____

Since 1940 pump
could irrigate
25 acres
which is not being
used because the
all water from
the pump is used
in the field
and the water
is not being
used for
anything else



WITNESS _____

Information by _____

Place _____

Don Bradstreet
Billings office, Feb. 20, 1942

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book E Page 307 Record Misc.
2. Name of Appropriator J. M. Robinson Address Huntley, Mont.
3. Date Appropriated July 16, 1906 Date Filed July 23, 1906
Amount Appropriated, Miners Inches _____, Cubic Feet per second 20
4. Name of Stream Pryor Creek Tributary Yellowstone Basin _____
5. Point of Diversion Headgate in W $\frac{1}{2}$ NE $\frac{1}{4}$

Sec. 19 Twp. 1 N. Rge. 28 E. Bank of Stream _____

6. Purpose Watering livestock, domestic, irrigation & other beneficial uses
7. Description of System Headgate in Pryor Creek of lumber and building material, 5 ft. wide, 24 ft. long and 14 ft. high. Water conveyed by a ditch 2 miles long, 5 ft. wide on bottom, 8 ft. wide on top, 2 ft. deep, running from headgate into Sec. 18 thry the SE $\frac{1}{4}$, until it reaches NW corner of SE $\frac{1}{4}$ of Sec. 18, 1 N. 28 E.
8. Land Description of Intended Place of Use
S $\frac{1}{2}$, Sec. 6 1 N. 28 E.) J.H. Link
All Sec. 7 1 N. 28 E.)
N $\frac{1}{2}$, Sec. 18 1 N. 28 E. F. Wetherill
All Sec. 19 1 N. 28 E. (Sophie B. Watkins
(Gus Holt
9. Remarks (Pertaining to Use, etc.) (Northland Securities
(H. T. Hedden

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 _____

469

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book 8 Page 430 Record 71150
2. Name of Appropriator Yellowstone Co., Mont Address Yellowstone Co., Mont
3. Date Appropriated Feb 12, 1907 Date Filed Feb 12, 1907
- Amount Appropriated, Miners Inches 240, Cubic Feet per second 6
4. Name of Stream Yellowstone Tributary _____ Basin _____
5. Point of Diversion _____

- Sec. _____ Twp. _____ Rge. _____ Bank of Stream South
6. Purpose _____
7. Description of System Diversion of water from the river to the ditch

8. Land Description of Intended Place of Use Section 25, T. 1 N., R. 1 E., S. 19 N. 25 E.
9. Remarks (Pertaining to Use, etc.) _____

Decree

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

Notice of Appropriation

- ## 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 _____

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Notice of Appropriation

1. County _____ Book _____ Page _____ Record _____
2. Name of Appropriator _____ Address _____
3. Date Appropriated _____ Date Filed _____
Amount Appropriated, Miners Inches _____, Cubic Feet per second _____
4. Name of Stream _____ Tributary _____ Basin _____
5. Point of Diversion _____
_____ Sec. _____ Twp. _____ Rge. _____ Bank of Stream _____
6. Purpose _____
7. Description of System _____

Dec 30 - 1911 28 E. it more or less as described & said reservoir impounds water from _____
_____ 4 ft deep _____ 2 ft wide on bottom
_____ 4 ft deep _____ 2 ft wide at base & concrete by high stones
(above follows)
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 *approx. 1/2 section in corner of creek channel
of a small irrigation ditch located between Sec 21 & 28 E down
to south of 1/2 mile from the line of the line. The purpose is to
provide a small ditch for water sinking into ground.*
15. Remarks (Present Use Status, etc) _____

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County _____ Source of Information _____

1. Water User _____ Address _____

2. Stream _____ Tributary to _____ Basin _____

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

4. Description of System _____

5. Type of Irrigation _____

6. Original Appropriator _____ Address _____

7. First Use: Year _____ Acres Irrigated _____

8. Maximum Use: Year _____ Acres Irrigated _____

9. Present Use: Year 1957 Acres Irrigated 2.5

10. Last Use: Year _____ Why Abandoned _____

11. Condition of System _____

12. Land Description _____, T _____, R _____

Remarks: _____

WITNESS: _____ Information by _____

Place _____

11.56

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Mont Book 112 Page 52 Record 11.56
2. Name of Appropriator Mont Address Mont
3. Date Appropriated 1912 Date Filed April 11, 1912
Amount Appropriated, Miners Inches 1200, Cubic Feet per second _____
4. Name of Stream Mont Tributary _____ Basin _____
5. Point of Diversion Mont

- Sec. 30 Twp. 11 Rge. 21 Bank of Stream Mont
6. Purpose Mont
7. Description of System Mont

8. Land Description of Intended Place of Use Mont
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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book E Page 307 Record Misc.
2. Name of Appropriator J. M. Robinson Address Huntley, Mont.
3. Date Appropriated July 16, 1906 Date Filed July 23, 1906
Amount Appropriated, Miners Inches _____, Cubic Feet per second 20
4. Name of Stream Pryor Creek Tributary Yellowstone Basin _____
5. Point of Diversion Headgate in W¹/4 NE¹

Sec. 19 Twp. 1 N. 2 Rge. 28 E. Bank of Stream _____
6. Purpose Watering, livestock, domestic, irrigation and other beneficial uses
7. Description of System Headgate in Pryor Creek of lumber and building material, 5 ft. wide, 24 ft. long and 1 1/2 ft. high. Water conveyed by a ditch 2 miles long, 5 ft. wide on bottom, 3 ft. wide on top, 2 ft. deep, running from headgate into Sec. 18 thru the SE¹, until it reaches NW corner of SE¹ of Sec. 18, 1 N. 28 E.
8. Land Description of Intended Place of Use
S¹/2 Sec. 6 1 N. 28 E.) J. G. Link
all Sec. 7 1 N. 28 E.)
N¹/2 Sec. 18 1 N. 28 E. F. Wetherill
all Sec. 19 1 N. 28 E. (Sophie B. Watkins
(Gus Holt
9. Remarks (Pertaining to Use, etc.) (Northland Securities
(H. T. Hedden

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.) _____

County Los Angeles Date 11/11/1964

Name of Water User J. G. Link Address Bellings

1. Do you own this land? Yes_____ No_____ If not give the owner's name below:

Owner's name _____ Address _____

2. Source of Water Arroyo de la Cruz Water delivered by Arroyo de la Cruz

3. Give point of Diversion 1/4 2/4 Section Township Range

4. Water is obtained by: (Check one) Gravity X Pumping _____ Other _____

5. Who first used water on this land? _____ Address _____

6. In what year was this land first irrigated? 1917 Approximate Acres 100

7. What is the greatest number of acres you have irrigated? _____ Date _____

8. Present Use: Year 1944 Acres Irrigated 100000

9. If this land is not irrigated now give date of last use March 17, 1964

10. State the total number of acres that could be irrigated 112 acres.

11. What is the condition of your irrigation system? Good

12. Land Description: Section 17, Twp. 17N, Range 28E

Remarks: 11th Oct. 1956. Dec. 6.

Amund 8. 12. 69

not a good set

...and the fact that the *Journal* is a journal of the American Psychological Association, which is a professional organization of psychologists, is a factor in the decision to publish the article.

Downloaded from <http://ajphaphysocpharm.sagepub.com/> at 10:06 11 November 2014

Information by _____ Place _____ Date _____

79700
797

FORM SM-1

County San Diego Source of Information San Diego Electric Light

1. Water User San Diego Electric Light Address San Diego, Cal.

2. Stream San Diego River Tributary to San Diego Bay Basin San Diego Bay

3. Point of Diversion San Diego River Section 1 Township San Diego Range 12

4. Description of System San Diego River

5. Type of Irrigation San Diego River

6. Original Appropriator San Diego Electric Light Address San Diego, Cal.

7. First Use: Year 1900 Acres Irrigated 100

8. Maximum Use: Year 1900 Acres Irrigated 100

9. Present Use: Year 1900 Acres Irrigated 100

10. Last Use: Year 1900 Why Abandoned San Diego River

11. Condition of System San Diego River

12. Land Description San Diego River, T 12, R 12

Remarks:

[illegible]

WITNESS Information by _____

Place _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book 3 Page 307 Record Misc.
2. Name of Appropriator J. E. Robinson Address Huntley, Mont.
3. Date Appropriated July 16, 1906 Date Filed July 23, 1906
Amount Appropriated, Miners Inches _____, Cubic Feet per second 20
4. Name of Stream Pryor Creek Tributary Yellowstone Basin _____
5. Point of Diversion Headgate in NE

Sec. 19 Twp. 1 N. Rge. 28 E. Bank of Stream _____
6. Purpose watering livestock, domestic, irrigation & other beneficial uses
7. Description of System Headgate in Pryor Creek of lumber and building material, 5 ft. wide, 24 ft. long and 14 ft. high. water conveyed by a ditch 2 miles long, 5 ft. wide on bottom, 3 ft. wide on top, 2 ft. deep, running from headgate into Sec. 18 thry the SE, until reaches NW corner of SE of Sec. 18, 1 N. 28 E.
8. Land Description of Intended Place of Use SW, Sec. 6 1 N. 28 E.) J.E. Link
All Sec. 7 1 N. 28 E.)
NW, Sec. 18 1 N. 28 E. F. Metherill
All Sec. 19 1 N. 28 E. (Sophie B. Watkins
(Gus Holt
9. Remarks (Pertaining to Use, etc.) (Northland Securities
(H. T. Hedden

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 WATER RESOURCES SURVEY

County YellowstoneDate July
February 13, 1943Name of Water User J. G. Link

Address _____

1. Do you own this land? Yes _____ No _____ If not give the owner's name below:

Owner's name J. G. LinkAddress 142 Clark Ave., Billings2. Source of Water Pryor Creek Water delivered by _____3. Give point of Diversion $\frac{1}{4}$ $\frac{1}{4}$ Section _____ Township _____ Range _____

4. Water is obtained by: (Check one) Gravity _____ Pumping _____ Other _____

5. Who first used water on _____ land? _____ Address _____

6. In what year was this land first irrigated? _____ Approximate Acres _____

7. What is the greatest number of acres you have irrigated? _____ Date _____

8. Present Use: Year 1942 Acres Irrigated 102 wst.

9. If this land is not irrigated now give date of last use _____

10. State the total number of acres that could be irrigated _____ acres.

11. What is the condition of your irrigation system? _____

12. Land Description: S $\frac{1}{2}$ S $\frac{1}{2}$, Sec. 6 - N $\frac{1}{2}$, Sec. 7, T.p. 1 N. Range 28 E.N $\frac{1}{2}$ SW $\frac{1}{4}$, SW $\frac{1}{4}$ SE $\frac{1}{4}$, Sec. 6 is owned by the U. S.

Remarks:

Have not been released from Hospital after nearly 4 mo absence. We have been irrigating about 40 acres by pumping, expect to irrigate 40 more in 1944 this land was irrigated by gravity ditch from a dam located in Sect 18.

We are irrigating 20 acres in NW $\frac{1}{4}$ Sec 31 Tp. 2N. R. 28E. and 30 acres in NE $\frac{1}{4}$ of Sec 36 Tp 2N. R. 27E. and 50 acres in SE $\frac{1}{4}$ of Sect 25 Tp. 2N. R. 27 E. The land in 31 and 36 is now irrigated by pumping out of Pryor Creek, was formerly irrigated by gravity ditch from a dam located in NW $\frac{1}{4}$ of Sect 6 Tp 1 N. R. 27 E. Water was

appropriated by Pryor Creek Ditch Co. by James E. Kipp Aug 2nd 1908 as of Record Book F. Dist. Records pag 87. Yellowstone Co. 152 acres transferred to J. G. Link Feb 14 1912.

Pryor Creek water is also being used by my tenants for stock and domestic purposes.

Information by J. G. LinkPlace Billings, MontDate July 13/43

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date February 13, 1943Name of Water User W. A. McClain Address 320 Broadwater Ave., Billings1. Do you own this land? Yes ☒ No ☐ If not give the owner's name below:Owner's name Pepper Creek Address _____2. Source of Water Pepper Creek Water delivered by 2 pumps 6 in. centrifugal3. Give point of Diversion 10 1/4 Sec. 7 Section 7 Township 1 N. Range 28 E.4. Water is obtained by: (Check one) Gravity ☐ Pumping ☒ Other ☐

5. Who first used water on this land? _____ Address _____

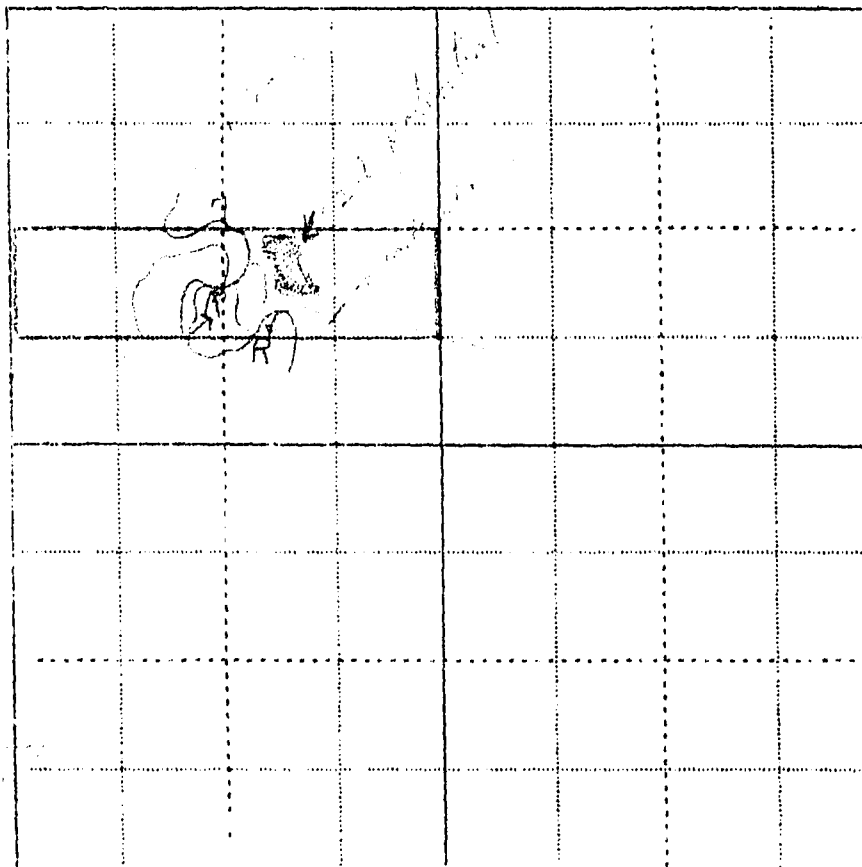
6. In what year was this land first irrigated? _____ Approximate Acres _____

7. What is the greatest number of acres you have irrigated? 34 Date 19428. Present Use: Year 1942 Acres Irrigated 34

9. If this land is not irrigated now give date of last use _____

10. State the total number of acres that could be irrigated 34 acres.11. What is the condition of your irrigation system? good12. Land Description: N 1/4 Sec. 7, Twp. 1 N. Range 28 E.

Remarks: _____

Information by _____ Place Billings Date Feb 13 1943

A STUDY OF MONTANA'S WATER RESOURCES

County Billings Source of Information _____

1. Water User W. L. McLean Address Billings - 320 - Broadwater Ave

2. Stream _____ Tributary to _____ Basin _____

3. Point of Diversion _____ Section _____ Township _____ Range _____

4. Description of System _____

5. Type of Irrigation _____

6. Original Appropriator _____ Address _____

7. First Use: Year _____ Acres Irrigated _____

8. Maximum Use: Year _____ Acres Irrigated _____

9. Present Use: Year _____ Acres Irrigated 2400

10. Last Use: Year _____ Why Abandoned _____

11. Condition of System _____

12. Land Description 7157 ac. 7-, T 11, R 28 E.

Remarks: _____

[illegible]

FORM SM-1

County	Source of Information
--------	-----------------------

1. Water User	Address

2. Stream _____ Tributary to _____ Basin _____

3. Point of Diversion 1 1 Section Township Range

4. Description of System

5. Type of Irrigation _____

6. Original Appropriator	Address

7. First Use: Year Acres Irrigated

8. Maximum Use; Year Acres Irrigated

[illegible]

10. Last Use:	Year	Why Abandoned

11. Condition of System

12. Land Description 1/4 Sec 12, T 14 N, R 17 E

Remarks: _____

[illegible]

WITNESS: _____ Information by _____

Place

495

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Montgomery Book 132 Page 522 Record Misc.
2. Name of Appropriator John M. ... Address Montgomery, Mont.
3. Date Appropriated 11/10/1931 Date Filed 11/24/1931
Amount Appropriated, Miners Inches 10, Cubic Feet per second 2 1/2
4. Name of Stream ... Tributary ... Basin ...
- * 5. Point of Diversion about 1/2 mile from ...
...
Sec. 4 Twp. 11 Rge. 1 Bank of Stream ...
6. Purpose to irrigate ...
7. Description of System ...
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.) ...

429

Notice of Appropriation

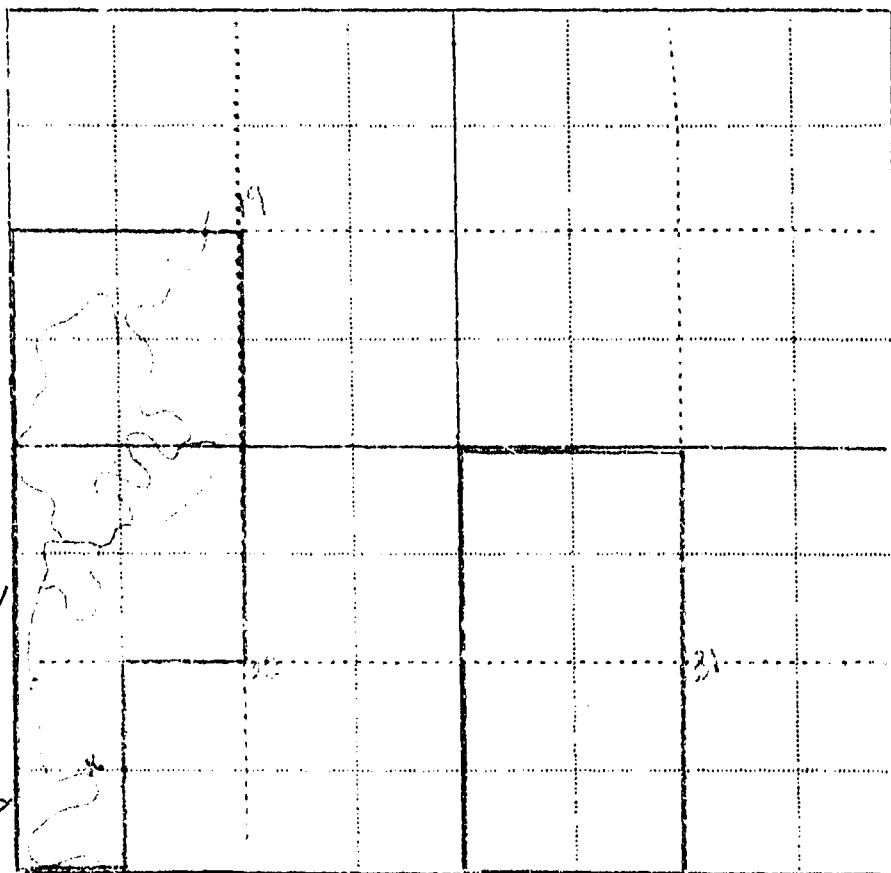
- ## Decree

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

STATE OF MONTANA WATER RESOURCES SURVEY

County Yellowstone Date February 12, 1943Name of Water User E. E. Milam Address Huntley, Montana1. Do you own this land? Yes X No If not give the owner's name below:Owner's name H. T. Hedden Address 143 Wyoming Ave., Billings2. Source of Water Prior Creek Water delivered by Ditch3. Give point of Diversion SW $\frac{1}{4}$ SW $\frac{1}{4}$ Section 30 Township 1N Range 28 E4. Water is obtained by: (Check one) Gravity X Pumping Other 5. Who first used water on this land? C. E. Durland Address Billings, Montana6. In what year was this land first irrigated? 1908 Approximate Acres 257. What is the greatest number of acres you have irrigated? 60 Date 19428. Present Use: Year 1942 Acres Irrigated 629. If this land is not irrigated now give date of last use 10. State the total number of acres that could be irrigated 160 480 acres.11. What is the condition of your irrigation system? Good12. Land Description: SW $\frac{1}{4}$, Sec. 19; NW $\frac{1}{4}$, W $\frac{1}{2}$ SW $\frac{1}{4}$, Sec. 30; Twp. 1 N. Range 28 E.Remarks: W $\frac{1}{2}$, Sec. 31If a new ditch was developedhigher on Prior Creek, aboutone half of Section 31 couldbe irrigated.

July-12-1948 - Ed. Siewert
now owner of land. put in
new headworks + ditch at
head of old ditch - irrigated
about 150 acres in season
of 1948. plan to put in
about 60 acres more in 1948
Had plenty of water in 1948

Information by H. T. Hedden Place Billings Date 2-19-1943

5405.

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4/11/1919.

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Information by _____

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County	Source of Information
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1. Water User	Address
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2. Stream	Tributary to	Basin
-----------	--------------	-------

3. Point of Diversion 1 1 Section Township Range

4. Description of System

o. Type of Irrigation _____

6. Original Approver _____ Address _____

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

8. Maximum Use: Year Acres Irrigated

9. Present Use: Year Acres Irrigated 3000 1977

10. Last Use:	Year	Why Abandoned

11. Condition of System _____

12. Land Description _____, T _____, R _____

Remarks:

Ed Sievert plans
to irrigate about
100 acres in sec 31
by putting in new
system in 1949
Not irrigated July 12

WITNESS Information by _____

Place _____

FORM SM-1

A STUDY OF MONTANA'S WATER RESOURCES

County _____ Source of Information _____

1. Water User _____ Address _____

2. Stream _____ Tributary to _____ Basin _____

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

4. Description of System _____

5. Type of Irrigation _____

6. Original Appropriator _____ Address _____

7. First Use: Year _____ Acres Irrigated _____

8. Maximum Use: Year _____ Acres Irrigated _____

9. Present Use: Year _____ Acres Irrigated _____

10. Last Use: Year _____ Why Abandoned _____

11. Condition of System _____

12. Land Description _____, T 1N, R 3E

Remarks: _____

WITNESS: _____ Information by _____

Place _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Yellowstone Book 31 Page 431 Record 7Mia.
2. Name of Appropriator Yellowstone Irrigation Co. Address Yellowstone Co., Mont.
3. Date Appropriated April 19, 1912 Date Filed April 19, 1912
- Amount Appropriated, Miners Inches 1270, Cubic Feet per second 30
4. Name of Stream Yellowstone Tributary _____ Basin _____
5. Point of Diversion where said creek crosses northern of S.W. 1/4

- Sec. 30 Twp. 17N Rge. 2E Bank of Stream east
6. Purpose irrigation, with main canal, concrete Sec. 30 + 17 S. 28 E
7. Description of System main canal, ditch, and siphon plant. ditch 271
feet wide, 12 inch top, 57 ft. deep. Run east & north
to ditch.

8. Land Description of Intended Place of Use
the Sec. 24 30 17 N. 28 E. 4 land.
this land is used as a water tank, No. 1 land, concrete Sec.
1st land, 1st land, Sec. 24 30 17 N. 28 E.
9. Remarks (Pertaining to Use, etc.) _____

Decree

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

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Notice of Appropriation

1. County Yellowstone Book 5 Page 512 Record None
2. Name of Appropriator J. D. Rogers Address Yellowstone Co., Mont.
3. Date Appropriated June 6, 1907 Date Filed Dec 18, 1907
Amount Appropriated, Miners Inches 10, Cubic Feet per second 12 1/2
4. Name of Stream Indian Creek & springs Tributary _____ Basin _____
5. Point of Diversion about 2050 ft. east of SE corner of Sec 32-1 No. 28 E
and about 60 ft. south of baseline between 1 No 28 E & 1 No 28 E.
Sec. _____ Twp. _____ Rge. _____ Bank of Stream _____
6. Purpose Stock & other animal & particularly the irrigation of land listed below
7. Description of System have made the same point & a storage reservoir.
Detail very adequate 1/2 mi. to reservoir in NW corner of Sec 32-1 No. 28 E.
to be a water storage reservoir, with a concrete dam 10 ft high & 10 ft wide at top & 10 ft wide at base.
with a concrete dam 10 ft high & 10 ft wide at top & 10 ft wide at base.
with a concrete dam 10 ft high & 10 ft wide at top & 10 ft wide at base.
8. Land Description of Intended Place of Use Sec. 19-30-1 No. 28 East & adjacent
land.
1940 acres - Sec. 19-30-1 No. 28 East & adjacent land - Sec. 19-30-1 No. 28 East & adjacent land.
1940 acres - Sec. 19-30-1 No. 28 East & adjacent land - Sec. 19-30-1 No. 28 East & adjacent land.
9. Remarks (Pertaining to Use, etc.) with a concrete dam 10 ft high & 10 ft wide at top & 10 ft wide at base.

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 or Place of Use as Decreed *In section 6, T₁₈S & R₇E, township
water was flowing from a ditch at place E down into the
main canal about the right of division. The purpose was so
as to get water off the main working ditch.*
15. Remarks (Present Use Status, etc) _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Montgomery Book 10 Page 207 Record 1906
2. Name of Appropriator John A. Smith Address 1000 1st St. N.E.
3. Date Appropriated July 1, 1906 Date Filed July 11, 1906
- Amount Appropriated, Miners Inches _____, Cubic Feet per second 20
4. Name of Stream Little River Tributary to Little River Basin _____
5. Point of Diversion from stream at N.E. corner of Sec. 18, T. 1 N., R. 1 E.

Sec. 18 Twp. 1 N. Rge. 1 E. Bank of Stream _____

6. Purpose Domestic use for household use

7. Description of System From stream at N.E. corner of Sec. 18, T. 1 N., R. 1 E. to house at N.E. corner of Sec. 18, T. 1 N., R. 1 E. by a 12 inch pipe.

8. Land Description of Intended Place of Use 1/2 Acre of land at N.E. corner of Sec. 18, T. 1 N., R. 1 E.

9. Remarks (Pertaining to Use, etc.) For domestic use only.

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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Butte Book 8 Page 412 Record 1150
2. Name of Appropriator Ed. Siewert Address Yellow Pine Co. Id.
3. Date Appropriated Dec. 10, 1948 Date Filed Dec. 11, 1948
- Amount Appropriated, Miners Inches 6.0, Cubic Feet per second 15
4. Name of Stream Yellow Pine River Tributary Basin
5. Point of Diversion From main channel of stream
- Sec. 1 Twp. 11N Rge. 1E Bank of Stream Left & right
6. Purpose Irrigation
7. Description of System Small dam and ditch, ditch being 1/2 mile long, 19 ft. across top, and 4 ft deep
8. Land Description of Intended Place of Use Yellow Pine Co. Id. Durand Ranch Co.
9. Remarks (Pertaining to Use, etc.) Right now in use - on old Durand Ranch owned by Ed. Siewert - July 10-1948

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

Please Do Not Fill in Any Items on This Page

Notice Appropriation

1. County Hydrometere Book 1 Page 547 Record 71162
2. Name of Appropriator John G. Smith Address Hunting Mont.
3. Date Appropriated Aug 2, 1927 Date Filed Aug 13, 1927
- Amount Appropriated, Miners Inches 1200, Cubic Feet per second 2.5
4. Name of Stream ... Tributary ... Basin ...
5. Point of Diversion ...
- Sec. ... Twp. ... Rge. ... Bank of Stream ...
6. Purpose ...
7. Description of System ...
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 ...

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Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Butte Book 5 Page 245 Record 2116
2. Name of Appropriator Butte Electric Co. Address Butte, Montana
3. Date Appropriated May 12, 1904 Date Filed June 2, 1904
Amount Appropriated, Miners Inches 1000, Cubic Feet per second 2
4. Name of Stream Butte River Tributary Basin
5. Point of Diversion
6. Purpose For power to operate land lift
7. Description of System Water is taken from bottom
of river and run through a pipe to land
lift.
8. Land Description of Intended Place of Use 1000 sq. ft. of land in Butte Co.
Butte, Mont.
containing a water lift.
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

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

1. County Franklin Book 3 Page 112 Record 1300
2. Name of Appropriator W. H. H. H. H. Address Bellevue, Mont.
3. Date Appropriated Dec. 11, 1904 Date Filed Dec. 11, 1904
- Amount Appropriated, Miners Inches _____, Cubic Feet per second 27
4. Name of Stream _____ Tributary _____ Basin _____
5. Point of Diversion _____

Sec. _____ Twp. _____ Rge. _____ Bank of Stream _____

6. Purpose Control the inventory, stock & financial
7. Description of System Dr. 100, 420, 1000, 360, 200

8. Land Description of Intended Place of Use
- RAVINE, 1/2 mile S.W. of 11, 14, 20 E. Bureau Road
E. 1/2 Sec. 10, T. 14 N., R. 20 E.
9. Remarks (Pertaining to Use, etc.)
- See 11, 14, 20 E. Bureau Road
1/2 mile S.W. of 11, 14, 20 E.

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 _____

Please Do Not Fill in Any Items on This Page

Notice of Appropriation

- 1. County Lincoln Book 34 Page 469 Record 2150
- 2. Name of Appropriator Benjamin D. Moore Address Littleton, Colo.
- 3. Date Appropriated March 1, 1920 Date Filed May 8, 1922
- Amount Appropriated, Miners Inches 100, Cubic Feet per second 15
- 4. Name of Stream St. Louis River Tributary Basin
- 5. Point of Diversion St. Louis River

Sec. 31 Twp. 16 Rge. 34 Bank of Stream East

- 6. Purpose Water for irrigation
- 7. Description of System Water is taken from St. Louis River at a point about 5th mile from bottom of river where top of St. Louis River is about 100 ft. to land.

- 8. Land Description of Intended Place of Use 19, 20, 21 & 22 E. 1/2 Sec. 31, Twp. 16, Rge. 34, Lincoln Co.

- 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