

File No. ....

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T1N - R - 39 E

County **Rosebud**

JAN 3 1964

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater **1932**Owner **James N. Bailey** Address **Ferayth, Mont**Contractor (if any) **self**

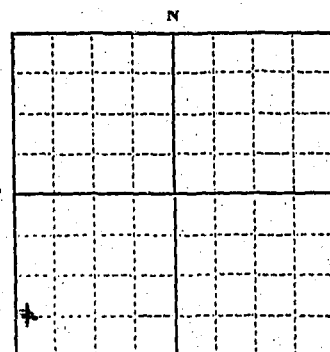
Address of Contractor .....

Date Started ..... Date Completed **1932**

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. **spring boxed in concrete and piped to stock tank**

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent **4 gal per Min**

estimate approximate lengths of periods of use. **continues**



SW see 35 1N 39 E

..... 1/4 ..... Sec. .... T. .... R. ....

Indicate point of appropriation and place of use, if possible.

Signature of Owner

*James N. Bailey*  
Date **Dec 30, 1963**

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179947

STATE OF MONTANA, COUNTY  
OF ROSEBUD SS. FILED DEC.  
30, 1963, AT 4 PM, CO. CLERK

*2000* *pl* *Howard Zink*

File No. ....

T. 1N R. 39E

DUPLICATE

County NE 1/4 Sec 34 T1N R39E

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

**RECEIVED**  
JAN 3 1964  
STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater UNKNOWNOwner Ashenburch Ranch Inc. address ForsythContractor (if any) NONE

Address of Contractor \_\_\_\_\_

Date Started \_\_\_\_\_ Date Completed \_\_\_\_\_

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

SPRING - wooden troughDepth - Approx - 2'

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use \_\_\_\_\_

Approx - 3 gal per min - estimated8 mos. per year

Signature of Owner \_\_\_\_\_

Ashenburch Ranch Inc.  
James T. Ashenburch Jr.Date 12-28-63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179826

STATE OF MONTANA, COUNTY  
OF ROSEBUD SS. FILED DEC  
30, 1963, AT 10:44 M. CO. CLERK

*Howard Lait*  
*Jy. Ellen Clark, Dep.*

Page 1 of 1

County ROSEBUD Twp. NORTH Rge. 40 EAST

[illegible]

File No. ....

T. 1N. R. 40E

DUPLICATE

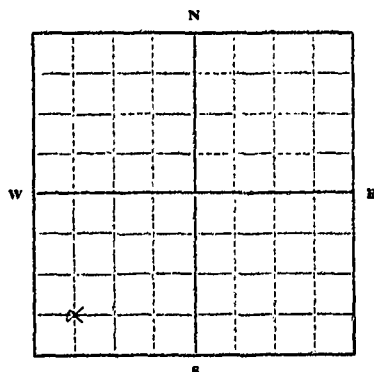
County. Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963  
ENGINEER

**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company, of 5th & Jackson Sts., St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec 1 T. 1N. R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. watering livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continuous since 1956.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 3 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilled in 1956.
8. The depth of water table. 25 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 80 feet deep - 6-inch casing.
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available. No log available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No other information available.

**Northern Pacific Railway Company**  
Signature of Owner By [Signature]  
District Supervisor, Graz. and Cult.  
Date .....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

6026

179333

STATE OF MONTANA, ss.  
COUNTY OF ROSEBUD)

Filed on the 6<sup>th</sup> day of Dec.

1963 at 2:00 o'clock P.M.

Harold J. Jett  
County Clerk & Recorder

By Betty M. McIntire  
#2.00

File No. ....

T 1N R 40E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

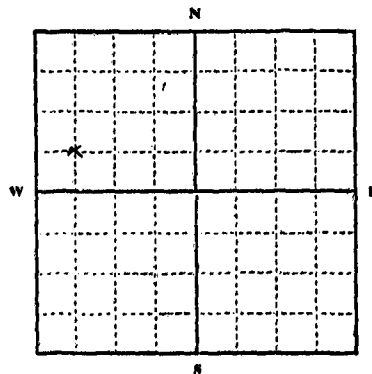
Date of Appropriation of Groundwater 1948Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by  
sub-irrigation and other natural processes". Include depth to  
water when applicable. Spring

SW 1/4 Sec. 2 T1N R 40E

Indicate point of appropriation  
and place of use, if possible.

Quantity of water developed and used with explanation of method  
used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use Spring flows40 gallons per hour, measured over aperiod of time.Signature of Owner Northern Pacific Railway Company

By L. P. Schaefer  
Dist. Supervisor, Graz. and Cult.

Date.....

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the  
works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana  
Bureau of Mines and Geology and Quadruplicate for the Appropriator.



179382

MONTANA, SS.  
COUNTY OF ROSEBUD,

Filed on the 4<sup>th</sup> day of December

1962 at 2:12 o'clock P. M.

*Theresa L. Smith*  
County Clerk of Rosebud

By *David J. Hall*  
Deputy

200

File No. ....

T. 1N R. 40E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

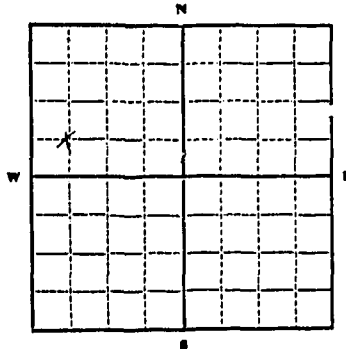
RECEIVED  
DEC 9 1963

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Company of N.P.Bldg. St. Paul,  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW  $\frac{1}{4}$  Sec. 2 T. 1N R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based... Furnishing  
water for livestock.

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been... Continuous since 1917.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute)... 600 gallons per 24 hours.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
None.

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal... Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater... Well, drilled in 1917.

8. The depth of water table... 10 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater... 44 feet deep - not cased.

10. The estimated amount of groundwater withdrawn each year...

11. The log of formations encountered in the drilling of each well if available... Not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record... No other information available.

Northern Pacific Railway Company  
Signature of Owner By J. H. Lehman  
Dist. Supervisor, Graz. & Cult.  
Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

179375

STATE OF MONTANA, }  
COUNTY OF ROSEBUD } ss.

Filed on the 1<sup>st</sup> day of December

1913 at 2:00 o'clock P.M.

Howard C. Smith  
County Clerk & Recorder

By \_\_\_\_\_

2

1897

File No. ....

T. 2N R. 40E

DUPLICATE

County Rosebud

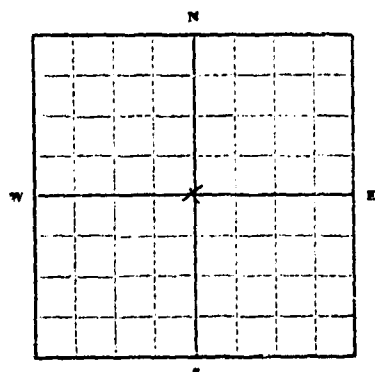
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 9 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company of N.P. Office Bldg., St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Rosebud State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Center of

1/4 Sec. 4 T2N R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based watering livestock. Will water 228 head.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1959.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled in 1959.

8. The depth of water table 75 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 200 feet deep - 4-inch casing.

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available 0-22' surface soil; 22-30' coal; 30-35' shale and sandstone stringers; 35-40' coal; 40-45' shale and sandstone stringers; 45-50' sandstone; 50-55' coal and shale.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information available.

Northern Pacific Railway Company  
Signature of Owner By J. H. [Signature]  
District Supervisor, Agr. & Cult.  
Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

179383

STATE OF MONTANA, } ss.  
COUNTY OF ROSEBUD }

Filed on the 6<sup>th</sup> day of December

1942 at 2:00 o'clock P. M.

Howard C. Smith  
County Clerk & Recorder

By David J. Smith  
Deputy

\$ 2.00

GV

Approved Stock Form—State Publishing Co., Helena, Montana—40876

File No. ....

T. 1N R. 40E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

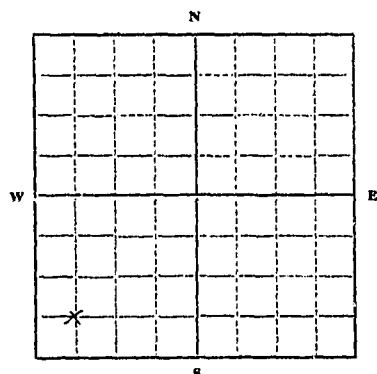
(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 9 1963  
STATE ENGINEER

1. Northern Pacific Railway Company, of N.P. Office Bldg. St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)

County of Ramsay State of Minnesota

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW  $\frac{1}{4}$  Sec. 5 T. 1N R. 40E

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based watering livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1954.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled in 1954.

8. The depth of water table 85 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 115 feet deep - 4-inch casing.

10. The estimated amount of groundwater withdrawn each year.....

11. The log of formations encountered in the drilling of each well if available No log available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information available.

Northern Pacific Railway Company  
Signature of Owner By [Signature]  
District Supervisor, Graz. & Cult.  
Date.....

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

8030

179335

STATE OF MONTANA, } ss.  
COUNTY OF ROSSFORD }

Filed on the 6<sup>th</sup> day of Dec.  
1963 at 2:00 o'clock P. M.

Howard Paul  
County Clerk & Recorder  
By Betty M. Fortson  
Deputy

File No. ....

T. 1N R. 40E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

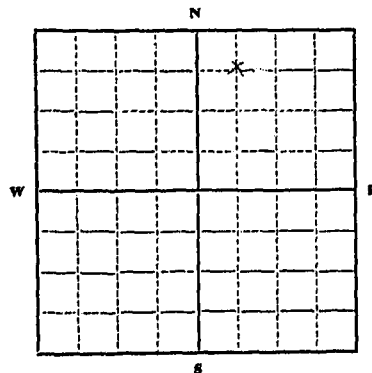
RECEIVED  
DEC 9 1963

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Company, of N.P. Office Bldg. St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 6 T. 1N R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based watering livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1958.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled in 1958.
8. The depth of water table 40 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 128 feet deep - 4 1/2" casing.
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available 0-18' top soil; 18-32' coal; 32-36' shale; 36-78' sand rock; 78-105' blue sand rock; 105-127' water sand.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information available.

Northern Pacific Railway Company  
Signature of Owner By [Signature]  
District Supvr., Graz. and Cult.  
Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1179



179384

STATE OF MONTANA, )  
COUNTY OF ROSEBUD ) SS.

filed on the 14<sup>th</sup> day of December

1968 at 2:00 o'clock P.M.

Howard T. Tiet  
County Clerk & Ex. Officer

Donald J. Smith  
P. J. 00

File No. \_\_\_\_\_

T. 1N R. 40E

DUPLICATE

County Rosebud

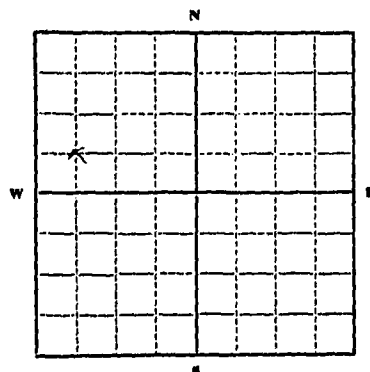
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED  
DEC 9 1963  
STATE ENGINEER

1. Northern Pacific Railway Company of N.P. Office Bldg, St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

SW  $\frac{1}{4}$  NW  $\frac{1}{4}$  Sec. 7 T. 1N. R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. watering livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continuous since 1943.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilled in 1943.
8. The depth of water table. 80 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 143 feet deep - 4-inch casing.
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available. No log available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No other information available.

Northern Pacific Railway Company  
Signature of Owner. By J. H. L. L. L.  
Dist. Supvr, Graz. & Cult.  
Date.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

7031

179336

STATE OF MONTANA } ss.  
COUNTY OF ROSEBUD }

I on the 6<sup>th</sup> day of Dec:-----

1933 at 2:00 o'clock P. M.

*Harold J. ...*  
County Clerk & Recorder

*Petty M. ...*  
#209 Deputy

File No. \_\_\_\_\_

DUPLICATE

T. 1 N R 40County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

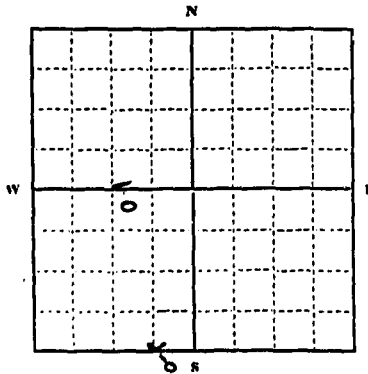
JAN 3 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Farley's Inc of Lorsyth  
(Name of Appropriator) (Address) (Town)

County of Rosebud State of Mont  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 12 T. 1 N R. 40  
Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Irrigation  
Stock & household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 Stock & household  
use
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2.0 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
In time 80 acres owner same
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
Handmouth  
2.5 hp motor pumping
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
Well #1 drilled on 1/14/14. Well #2 drilled on 1/15/14
8. The depth of water table 20 to 100 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater  
Well #1 4 in. dia. 10 ft. deep. Well #2 4 in. dia. 10 ft. deep. Both wells are 20 ft. deep. Both wells are 20 ft. deep. Both wells are 20 ft. deep.
10. The estimated amount of groundwater withdrawn each year 250,000 gal.
11. The log of formations encountered in the drilling of each well if available  
Gravel  
Rock  
Coal
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record  
For plant life & livestock

Signature of Owner Farley's IncDate 12/28/62

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21101

179857

STATE OF MONTANA, COUNTY  
OF ROSEBUD SS. FILED DEC  
30, 1963, AT 11:50 AM, CO. CLERK.

*Howard Lieb*  
*by Ellen Clark, Dep*

File No. ....

DUPLICATE

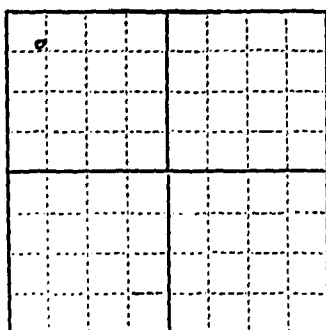
T. 1 N. R. 40

County BozemanRECEIVED  
JAN 3 1964STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Larley's Inc, of Lewistown  
 (Name of Appropriator) (Address) (Town)  
 County of Bozeman State of Montana  
 have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 14 T. 1 N. R. 40

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Domestic & Household
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1914 Continuous since
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 100 acres N.P.R.R. & Larley's Inc
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1914 Completion 1960
8. The depth of water table 20 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 6 in casing Electric pump
10. The estimated amount of groundwater withdrawn each year 400,000
11. The log of formations encountered in the drilling of each well if available Shale, Rock, Coal, gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record None

Signature of Owner Larley's IncDate 12-28-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21100

179856

STATE OF MONTANA, COUNTY  
OF ROSEBUD SS. FILED DEC.  
30, 1963, AT 11:50 AM, CO. CLERK

*Harold Lantz*  
*by: Ellen Clark, Dep.*

File No. \_\_\_\_\_

DUPLICATE

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

T. 1N R. 40

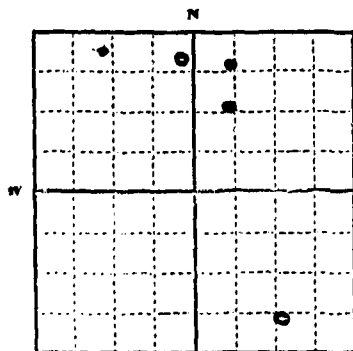
County Bozeman

JAN 3 1964

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Larley Inc of Lewistown  
(Name of Appropriator) (Address) (Town)  
County of Bozeman State of Montana  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NE SE  
1/4 Sec. 18 T. 1N R. 40

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based Household Irrigation Limited
3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 Continuous
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 45000 80 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 80 acres owner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric Hand 8 gal motor
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1930 to 1963
8. The depth of water table 20 to 225 ft
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater then casing 3 in on electric line and one hand used for gal motor
10. The estimated amount of groundwater withdrawn each year 45000 gal
11. The log of formations encountered in the drilling of each well if available 1st Rock coal gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act including reference to book and page of any county record Water table with depth some rods. And will be to supply the plant life

Signature of Owner

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

21099



179855

STATE OF MONTANA, COUNTY  
ROSEBUD SS. FILED DEC.  
30, 1963, AT 11:50 M, CO. CLERK

*Harold Lait*  
*By: Ellen Clark, Dep.*

GW3

File No. ....

T. 1N R. 40E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963

STATE ENGINEER

# Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

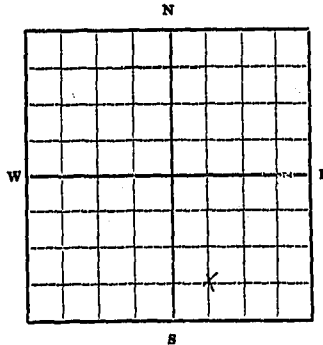
Date of Appropriation of Groundwater 1911.Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any) .....

Address of Contractor .....

Date Started ..... Date Completed .....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring, used since 1911.



Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use Spring

SW 1/4 Sec. 19 T. 1N R. 40E

Indicate point of appropriation and place of use, if possible.

flows 3 gallons per minute, measured over a period of time.

Northern Pacific Railway Company

Signature of Owner R. L. Schlinger

District Supervisor, Graz. &amp; Cult.

Date .....

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.

179376

STATE OF MONTANA, } ss.  
COUNTY OF ROSEBUD }

Filed on the 6 day of December

1913 at 2 o'clock P. M

Howard J. J.  
County Clerk & Recorder

By 20 \_\_\_\_\_

File No. ....

T. 1N R. 40E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

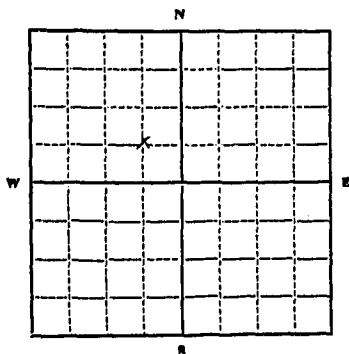
Declaration of Vested Groundwater Rights DEC 9 1963

(Under Chapter 237, Montana Session Laws, 1961)

RECEIVED

STATE ENGINEER

1. Northern Pacific Railway Company, of N.P. Bldg. St. Paul  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SE 1/4 NW 1/4 Sec. 25 T. 1N R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. Furnishing  
water for livestock.

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. Continuous since 1957.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 6 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
None.

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal. Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Well, drilled in 1957.

8. The depth of water table. 30 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater. 100 feet deep - 4-inch casing.

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available. Not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record. No other information available.

Northern Pacific Railway Company

Signature of Owner By R. H. Lutz  
Dist. Supervisor, Graz. & Cult.  
Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

8097

-179377

STATE OF MONTANA, }  
COUNTY OF ROSEBUD } ss.

Filed on the 6 day of December

1963 at 2:00 o'clock P. M.

Howard A. Ait  
County Clerk & Recorder

By \_\_\_\_\_  
209

File No. ....

T 1N R 40E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

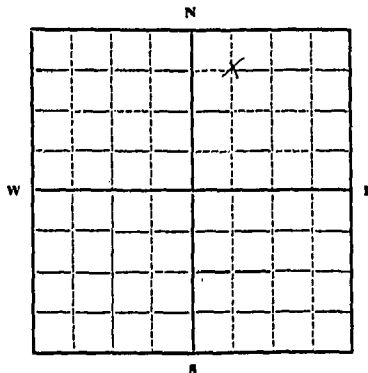
RECEIVED  
DEC 9 1963

# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Company, of N.P. Office Bldg., St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Ramsay State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

NW  $\frac{1}{4}$  NE  $\frac{1}{4}$  Sec. 29 T. 1N R. 40E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based watering livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since 1960.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 to 8 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Drilled in 1960.

8. The depth of water table 90 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 232 feet deep - 6-inch casing.

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available 0-28' surface soil; 28-35' yellow clay; 35-48' sandstone; 48-49' sandstone; 49-151' gray shale; 151-185' coal; 185-221' sandstone; 221-230' gray shale.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information available.

Northern Pacific Railway Company  
Signature of Owner By L. H. Peterson  
Dist. Supervisor, Graz. and Cult.  
Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

179360

STATE OF MONTANA, } ss.  
COUNTY OF ROSEBUD }

filed on the 4<sup>th</sup> day of Dec.

1912 at 2:00 o'clock P. M.

Howard L. Lait  
County Clerk & Recorder

By Ellen Clark  
Deputy

## GROUNDWATER INDEX

Page 1 of 1

County ROSEBURG Twp. 1 NORTH Rge. 41 EAST

[illegible]



File No. ....

T. 14N R. 41E

DUPLICATE

County. Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

DEC 9 1963

## Declaration of Vested Groundwater Rights

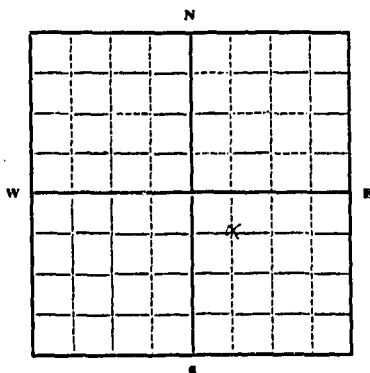
(Under Chapter 237, Montana Session Laws, 1961)

ENGINEER

1. Northern Pacific Railway Company, of N.P. Office Bldg, St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)

County of Ramsey State of Minnesota

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



NW 1/4 Sec. 2 T. 14N R. 41E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based furnishing  
water for livestock.

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been 1956 (continuous)

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 14 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
None.

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater drilled in 1956.

8. The depth of water table 75 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater 141 feet deep - 4 1/2 inch casing.

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available 0-12' clay; 12-15'  
sandrock; 15-25' clay; 25-27' soft coal; 27-52' light sandrock; 52-73'  
brown sandrock; 73-84' shale; 84-109' coal; 109-124' sandy shale water 14  
gal. per minute; 124-136' coal; 136-140' shale.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record No other information available.

Northern Pacific Railway Company  
Signature of Owner By S. J. [Signature]  
Dist. Supervisor, Graz. & Cult.  
Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

179341

STATE OF MONTANA, ss.  
COUNTY OF ROBERTS

I, Clerk of the County of Roberts, do hereby certify that

62.00 2.00 0.00

Howard J. J. J.

County Clerk of Roberts

by L. M. J. J.

#2.00

File No. ....

T. 1N R. 41E

DUPLICATE

County Rosebud

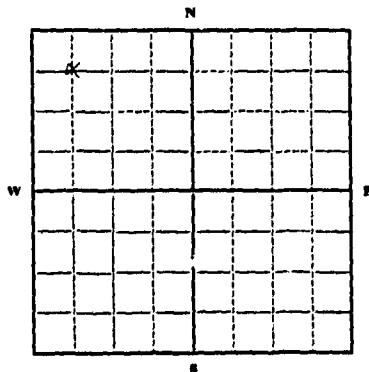
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963  
STATE ENGINEER

### Declaration of Vested Groundwater Rights

(Under Chapter 227, Montana Session Laws, 1961)

1. Northern Pacific Railway Company of N.P. Office Bldg, St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Section 14 Sec. 5 T. 1N R. 41E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based furnishing water for livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous since 1958.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) 85 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Completed June 12, 1958.
8. The depth of water table 45 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 55 feet deep - 4-inch casing. Cased 54 feet.
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available 1-10' sandy clay;  
10-20' gravel; 30-45' coal; 46-55' shale.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record No other information available.

Northern Pacific Railway Company  
Signature of Owner By L. H. Sullivan  
Dist. Supervisor, Geol. & Cult.  
Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

1041

179346

STATE OF MONTANA, )  
COUNTY OF ROSEBUD ) SS.  
Filed on the 1<sup>st</sup> day of Dec.  
1963 at 2:00 o'clock P.M.  
Harold Lait  
County Clerk & Ex-Officio  
By Harold Lait

File No. ....

T. 1N R. 41E

DUPLICATE

County. Rosebud

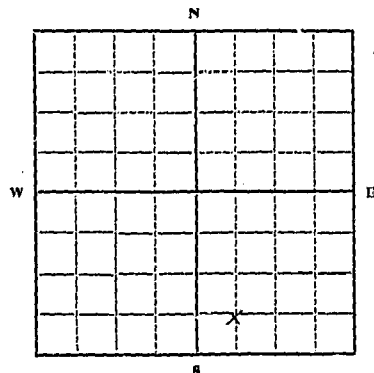
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963

Declaration of Vested Groundwater Rights STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company, of N.P. Office Bldg, St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)  
County of Ramsey State of Minnesota  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



SW 1/4 Sec. 3 T. 1N R. 41E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. furnishing water for livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continuous since 1925.
4. The amount of groundwater claimed (in miner's inches or gallons per minute). 25 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilled in 1925.
8. The depth of water table. 10 feet.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 100 feet deep - 8-inch casing.
10. The estimated amount of groundwater withdrawn each year.
11. The log of formations encountered in the drilling of each well if available. No log available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. No other information available.

Northern Pacific Railway Company  
Signature of Owner. By L. H. [Signature]  
Dist. Supervisor, Graz. and Cult.  
Date.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

6042

179347

STATE OF MONTANA, } SS.  
COUNTY OF ROSEBUD }

Filed on the 6<sup>th</sup> day of Dec.

1963 at 2:00 o'clock P.M.

Howard Lark  
County Clerk & Recorder

By Ellen J. Clark  
Deputy

File No. ....

T. 1N R. 41E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963  
STATE ENGINEER

## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

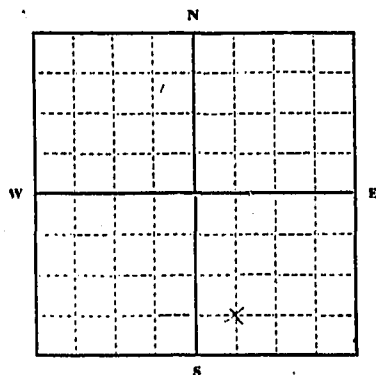
Date of Appropriation of Groundwater 1913Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring, used since 1913.



SW 1/4 Sec. 5 T. 1N. R. 41E

Indicate point of appropriation  
and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

Spring flows 8 gallons per minute, measured over a period of time.

Northern Pacific Railway Company

Signature of Owner By L. H. Schubert

Dist. Supervisor, Graz. &amp; Cult.

Date.....

This form to be prepared by contractor (if any), otherwise by the owner.

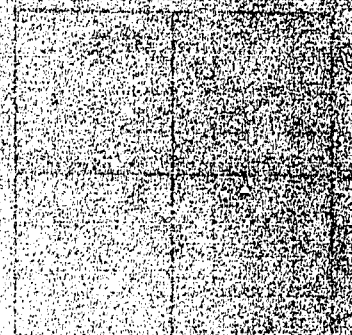
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

179349

STATE OF MONTANA, SS.  
COUNTY OF ROSEBUD,  
Filed on the 6<sup>th</sup> day of Nov.  
1963 at 2:00 o'clock P.M.  
Howard Lee  
County Clerk & Recorder  
By Ellen Clark  
Deputy





File No. ....

T. 1N R. 41E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963

Declaration of Vested Groundwater Rights

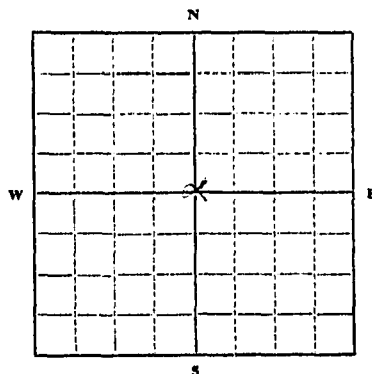
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Northern Pacific Railway Company of N.P. Bldg. St. Paul, Minn.  
(Name of Appropriator) (Address) (Town)

County of Ramsey State of Minnesota

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



Center of sec.

1/4 Sec. 7 T. 1N R. 41E

Indicate point of appropriation  
and place of use, if possible.  
Each small square represents 10  
acres.

2. The beneficial use on which the claim is based. Furnishing  
water for livestock.

3. Date or approximate date of earliest beneficial use; and how con-  
tinuous the use has been. Continuous since 1962.

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 3 to 5 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
None.

6. The means of withdrawing such water from the ground and the  
location of each well or other means of withdrawal. Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater. Drilled in 1962.

8. The depth of water table. 100 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater. 125 feet deep - 4-inch casing. Cased 80  
feet.

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available. Not available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record. No other information available.

Northern Pacific Railway Company

Signature of Owner By [Signature]  
Dist. Supervisor, Graz. & Cult.

Date

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is  
located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau  
of Mines and Geology, and Quadruplicate for the Appropriator.

8040

179345

STATE OF MONTANA, )  
COUNTY OF ROSSBUD ) SS.

Filed on the 6<sup>th</sup> day of Dec

1963 at 2:00 o'clock P.M.

*Harold Lutz*  
County Clerk & Recorder

By *Edith Clark*  
Deputy

File No. ....

T. 14 N. R. 41

DUPLICATE

County Bozeman

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

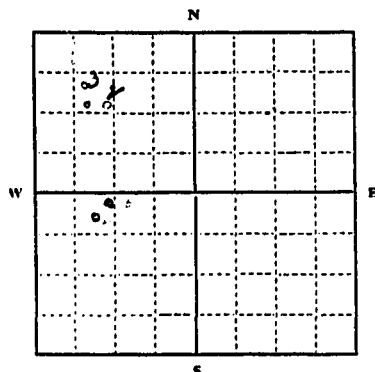
JAN 3 1964

STATE ENGINEER

## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Larley's Inc. of Forestburg Mont.  
(Name of Appropriator) (Address) (Town)  
County of Bozeman State of Mont.  
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:



14-244 Sec. 8 T. 14 N. R. 41

Indicate point of appropriation  
and place of use, if possible. Each  
small square represents 10 acres.

2. The beneficial use on which the claim is based Livestock  
Horse & Cattle

3. Date or approximate date of earliest beneficial use; and how continu-  
ous the use has been 1947 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons  
per minute) 100 gal. per minute

5. If used for irrigation, give the acreage and description of the lands  
to which water has been applied and name of the owner thereof  
see time 40A. Cattle land

6. The means of withdrawing such water from the ground and the loca-  
tion of each well or other means of withdrawal Pump (see  
attached map & well logs)

7. The date of commencement and completion of the construction of the well, wells, or other works for with-  
drawal of groundwater Oct. 1, 1947 Nov. 1, 1947

8. The depth of water table 12 ft. to 300

9. As far as it may be available, the type, size and depth of each well or the general specifications of any other  
works for the withdrawal of groundwater Well #1 2 1/2 ft. diameter casing 15 gal. per min.  
Well #2 3 1/2 ft. diameter casing 20 gal. per min.  
Well #3 1 1/2 ft. diameter casing 15 gal. per min. Well #4 1 1/2 ft. 4 ft  
Casing 5 gal. per min.

10. The estimated amount of groundwater withdrawn each year 400,000 gal. now

11. The log of formations encountered in the drilling of each well if available See attached  
logs

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including  
reference to book and page of any county record With one acre log for irrigation  
see attached

Signature of Owner Larley's Inc.Date 12/28/63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of  
Mines and Geology, and Quadruplicate for the Appropriator.

21102

179858

STATE OF MONTANA, COUNTY  
OF ROSEBUD SS. FILED DEC.  
30, 1963, AT 11:20 AM, CO. CLERK

*Howard Lait*  
*by: Ellen Clark, Dep.*

15

File No. ....

T. 1N R. 41E

DUPLICATE

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

RECEIVED  
DEC 9 1963  
STATE ENGINEER

Notice of Completion of Groundwater Appropriation  
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

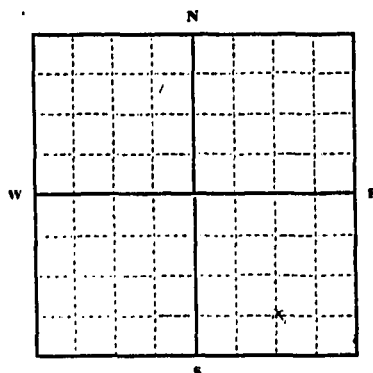
Date of Appropriation of Groundwater 1911Owner Nor. Pac. Ry. Co. Address St. Paul, Minn.

Contractor (if any) .....

Address of Contractor .....

Date Started..... Date Completed.....

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Several Springs, used since 1911.



Size 1/4 Sec 15 T. 1N R. 41E

Indicate point of appropriation  
and place of use, if possible.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent

estimate approximate lengths of periods of use.....

Springs flow 4-5 gallons per minute.

measured over a period of time.

Northern Pacific Railway Company

Signature of Owner By J. A. Schaefer  
Dist. Supervisor, Grac. & Cult.

Date.....

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

8046

179351

STATE OF MONTANA, } 83.  
COUNTY OF ROSEBUD }

Filed on the 6th day of Dec.

1963 at 2:00 o'clock P.M.

Howard Lait  
County Clerk & Recorder

By Ellen Clark  
Deputy

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Peabody Coal Co.

Address Box 97

Colstrip, Mont. 59325

Date well started 3-12-70

completed 3-15-70

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Rotary Drill

(Churn drill, rotary or other)

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☒ Drainage ☐ Other ☐ Garden/Lawn ☐

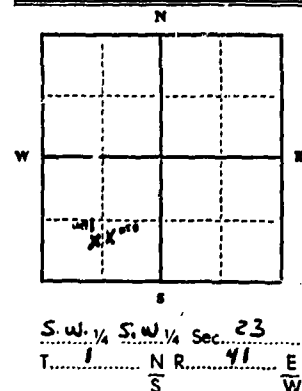
\*Describe N/A

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block

and Addition). Used For Drinking & Bath House

ESTIMATED ANNUAL WITHDRAWAL 1400,000 gals.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4"	0.0	300.0	1/2" Diam.	190.0	300.0



Static water level 190.0 ft.\*  
Pumping water level 220.0 ft.\*  
at 10 gallons per minute,  
measured 5 minutes after pumping began.

\*Measured from ground level  
Well developed by Air  
for 2 hours.  
Power Electric Pump 3/4 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)  
Pressure Shutoff

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature Baldern Aguillo

Driller's Address Box 304

Hardin Montana

LICENSE NO. 217

RECEIVED

JUL 6 1973

County Rosebud

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level) 3240.0

From (Feet)	To (Feet)	
0.0	9.0	Brown sandy clay
9.0	12.5	SPINT
12.5	14.5	Brown Sand
14.5	16.0	Brown Sand Stone
16.0	16.0	Brown Shale
16.0	74.2	Brown Sand Stone
74.2	74.7	Coal
74.7	108.0	Gray Shale
108.0	116.0	Gray Sandy Shale
116.0	125.0	Gray Shale
125.0	127.0	Hard Rock
127.0	178.6	Gray Shale
178.6	181.4	Coal
181.4	190.0	Gray Shale
190.0	230.0	Gray Wet Sand
230.0	250.0	Gray Shale
250.0	300.0	Gray Shale
300.0		T.O.

H2O @ 190.0'

300.0 Show exact depth of bottom

54736

4128

STATE OF MONTANA, }  
COUNTY OF ROSEBUD }

Filed on this 29<sup>th</sup> day of June

1923 at 1:00 o'clock P. M.

Wm. J. Laid  
County Clerk & Treasurer

Wm. J. Laid  
B. J. Laid



RECEIVED

JUL 2 1973

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

INDICATE THE CHARACTER, COLOR, THICKNESS OF STRATA SUCH AS SOIL, CLAY, SAND, GRAVEL, SHALE, SANDSTONE, ETC. SHOW DEPTH AT WHICH WATER IS FOUND AND HEIGHT TO WHICH WATER RISES IN WELL.

DRILLER'S LOG

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Reboody Coal Co.

Address Box 97

Cole Trip, MONT. 59323

Date well started 3-30-73

completed 3-30-73

For Administrator's Use	
File	<u>4129</u>
Date	<u>June 29, 1973</u>
GW 1	<u>3:00 P.M.</u>

Type of well Drilled  
(Dug, driven, bored or drilled)

Equipment used Rotary Drill  
(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

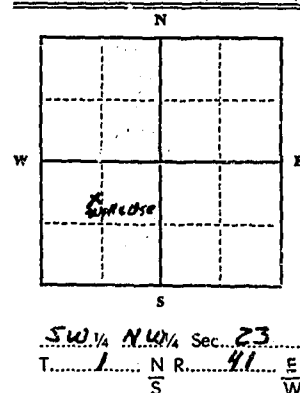
Industrial ☒ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe Used for washing - Toilet - skimming

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). N/A

ESTIMATED ANNUAL WITHDRAWAL 300,000 gals

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" plastic	0.0	80.0	1/2 in Dia.	0.0	80.0



Static water level 65.0' ft.  
Pumping water level 75.0' ft.  
at 5 gallons per minute,  
measured 5 minutes after pumping began.

\*Measured from ground level.  
Well developed by Air  
for 1 hours.

Power Electric Pump 1/2 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)  
Pressure Switch

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature James E. McCullough

Driller's Address Box 318

Sheridan, Wyo.

LICENSE NO. 219

Top of Ground (Elev. above sea level) 3220.0

From (Feet)	To (Feet)	
0.0	2.0	Sandy Shale
2.0	5.0	SAND
5.0	45.0	SAND STONE
45.0	60.0	Sh. shale & sandstone
60.0	65.0	Sandstone (comp)
65.0	80.0	Sandy shale
80.0		T.D.

H<sub>2</sub>O @ 65.0'

80.0 Show exact depth of bottom

5472

STATE OF MONTANA }  
COUNTY OF ROSEBUD }

FILED ON THE 29<sup>th</sup> day of June 1973 at 2:01 o'clock P.M.

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County Clerk  
Betty M. Fritzsche  
March 7  
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Handwritten notes or signatures.

3033

RECEIVED

County Rosebud

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner Penbody, Carl G.

Address Box 97

Colstrip, Mont. 57523

Date well started 3-29-73

completed 3-29-73

Type of well Drilled

(Dug, driven, bored or drilled)

Equipment used Rotary

(Churn drill, rotary or other)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

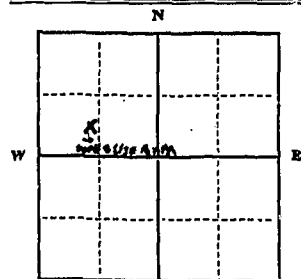
Industrial ☒ Drainage ☐ Other ☐ Garden/Lawn ☐

\*Describe Used for washing - general cleaning

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). N/A

ESTIMATED ANNUAL WITHDRAWAL 300,000 gals

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
6"	4" pipe	0.0	60.0	1/2" Dia	0.0	60.0



S.W. 1/4 NW 1/4 Sec. 23  
T. 1 N R. 41 E  
S W

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature James E. McCullough

Driller's Address Box 318

Sheridan, Wyo.

LICENSE NO. 219

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground

(Elev. above sea level)

From (Feet)	To (Feet)	
0.0	5.0	Clay
5.0	4.0	Sandy clay
4.0	14.0	Sandy shale / to sandstone
14.0	24.4	Sandy shale / to sandstone
24.4	26.7	Hard sand stone
26.7	30.0	Sandy shale
30.0	55.0	Sand - damp
55.0	60.0	Sandy shale
60.0		T. H.
		"H <sub>2</sub> O" @ 44.0'

60.0 Show exact depth of bottom

5437

4130

STATE OF MONTANA, ss.  
COUNTY OF ROSEBUD

Filed on the 29<sup>th</sup> day of June  
1923 at 3:01 o'clock P.M.

Edward L. Lutz  
County Clerk & Recorder

By Betty M. Fritts  
#22.0

Handwritten notes and signatures in the right margin, including "X" and "Handwritten - General Counsel".

Vertical handwritten notes and signatures in the bottom right margin.

File No. ....

T. 1 N R. 41 E

DUPLICATE

County ROSEBUD

LOG

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Top of Ground

(Elev. above sea level.....)

Notice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

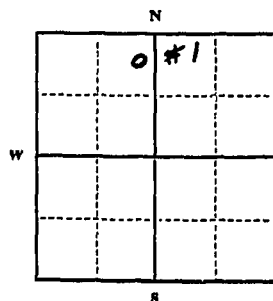
Doc. No. 195768

Filed for record

On 24 day of SeptemberA.D. 1970, at 10:51o'clock P.M.Owner James W. Snider Address ForsythDriller James W. Snider Address ForsythDate of Notice of appropriation of groundwater Sept. 23, 1970Date well started Aug 15, 1970 Date completed Sept 1, 1970Type of well drilled Equipment used Rotary  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
<u>7 7/8</u>	<u>5" x 10"</u>	<u>0</u>	<u>300</u>	<u>drilled Holes</u>	<u>300</u>	<u>395'</u>
<u>4 3/4</u>	<u>4" x 10"</u>	<u>300</u>	<u>395</u>			

Static Water Level for non-flowing well 225 feet.Shut-in Pressure for Flowing Well N.A.Pumping Water Level Don't know feet at.....gal. per minute.Discharge in gal. per min. of flowing well N.A.How Tested N.A.Length of Test N.A.Remarks: (Gravel packing, cementing, packers, type of shutoff) N.A.

NW 1/4 Sec 24 T. 1 N. R. 41 E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

2 Hr. Test with 2 horse submersible indicates 20 gal. per minute.

(Continue on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition)

Trailer Court - 12 Lots

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

none  
Driller's License Number

James W. Snider  
Driller's Signature

47569

0 Surface sand  
14' SS  
31' Coal  
54' Sh  
64.7 Coal  
73.5 Sh  
85 SS  
105 Sh  
108.7 SS  
142 Sh  
150.1 SS  
163.4 Coal  
166 Sh  
173.2 hard SS  
174 Sh  
198 SS  
190.8 Sh  
223.5 Coal  
225.8 Sh (static level)  
230 SS  
238 Sh  
249.6 SS  
266 Sh  
303 SS - Water  
362 hard SS  
366 SS  
372 Sh  
383 SS  
395'

Show exact depth of bottom.

195768

STATE OF MONTANA.)  
COUNTY OF ROBERTS) ss.

Filed on the 24<sup>th</sup> day of Sept.

1970 at 10:51 o'clock A. M.

Howard Fair  
County Clerk & Recorder

By \_\_\_\_\_

File No. \_\_\_\_\_

T 1N R 41E

DUPLICATE

County RosebudLOG CFR 88 1070

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater  
Appropriation by Means of Well  
DEVELOPED AFTER JANUARY 1, 1962

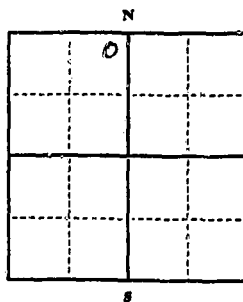
(Under Chapter 237, Montana Session Laws, 1961)

Owner James W. Snider Address ForsythDriller James W. Snider Address ForsythDate of Notice of appropriation of groundwater Sept 25, 1970Date well started Aug 1, 1970 Date completed Sept 15, 1970Type of well drilled Equipment used Rotary  
(Dug, driven, bored or drilled) (Churn drill, rotary or other)Water use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☒

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS		
				Kind Size	From (Feet)	To (Feet)
7 7/8	5" 10" port ft.	0	380	slots	300	380

Doc. No. 195767  
Filed for record  
on 24 day of September  
A. D. 19 70, at 10:50

Static Water Level for non-flowing well 275 feet.Shut-in Pressure for Flowing Well N.A.Pumping Water Level Don't know feet  
at \_\_\_\_\_ gal. per minute.Discharge in gal. per min. of flowing well N.A.How Tested N.A.Length of Test N.A.Remarks: (Gravel packing, cementing, packers, type of shutoff) N.A.  
Submersible

NW 1/4 Sec 24 T. 1N. R. 41E  
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

SE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

For Trailer Ct. - 12 Lots.

	Top of Ground (Elev. above sea level <u>3000</u> )
5	Sand
23.3	SS
3.5	gray shale
6.3	SS
10.2	gray shale
27.4	coal
6.8	gray shale
8.4	coal
38.1	gray shale
1.9	hard SS
41.2	gray shale
5	hard sandstone
44.8	gray shale 235 ft. = static water level
4.2	coal
14.4	gray shale
7.3	sandstone
55	gray shale
55	sandstone (water bearing starts @ 315')
99	gray shale
380'	
	Show exact depth of bottom.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.

None  
Driller's License Number

James W. Snider  
Driller's Signature

47568

195768

STATE OF MONTANA  
COUNTY OF ROBERTS  
Filed on the 29<sup>th</sup> day of Sept.  
1970 at 10:45 o'clock A.M.  
Howard Tait  
County Clerk & Recorder



STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

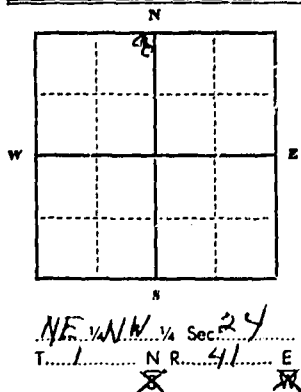
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner J. Snyder  
Address Bozeman  
Date well started 5-24-72 GW 1  
completed 6-1-72  
Type of well drilled  
(Dug, driven, bored or drilled)  
Equipment used rotary  
(Churn drill, rotary or other)  
Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
7 7/8	5" G.I.	409	408	Kind Size From (Feet) To (Feet)
				309 408



Static water level 250' ft.\*  
Pumping water level 280' ft.\*  
at 1.0 gallons per minute,  
measured 60 minutes after pumping  
began.  
\*Measured from ground level.  
Well developed by backing  
for 1.8 hours.  
Power 3 Pump 3 HP  
Remarks: (Gravel packing, cementing,  
packers, type of shutoff) packer

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature M. E. Woellich  
Driller's Address 916 So. Taylor Blvd.

LICENSE NO. 223

County Cascade

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)		
From (Feet)	To (Feet)	
0	30	sand yellow
30	35	clay blue
35	40	sand yellow
40	45	clay blue
45	50	clay blue
50	55	clay white
55	60	clay white
60	65	clay white
65	70	clay white
70	75	clay white
75	80	clay white
80	85	clay white
85	90	clay white
90	95	clay white
95	100	clay white
100	105	clay white
105	110	clay white
110	115	clay white
115	120	clay white
120	125	clay white
125	130	clay white
130	135	clay white
135	140	clay white
140	145	clay white
145	150	clay white
150	155	clay white
155	160	clay white
160	165	clay white
165	170	clay white
170	175	clay white
175	180	clay white
180	185	clay white
185	190	clay white
190	195	clay white
195	200	clay white
200	205	clay white
205	210	clay white
210	215	clay white
215	220	clay white
220	225	clay white
225	230	clay white
230	235	clay white
235	240	clay white
240	245	clay white
245	250	clay white
250	255	clay white
255	260	clay white
260	265	clay white
265	270	clay white
270	275	clay white
275	280	clay white
280	285	clay white
285	290	clay white
290	295	clay white
295	300	clay white
300	305	clay white
305	310	clay white
310	315	clay white
315	320	clay white
320	325	clay white
325	330	clay white
330	335	clay white
335	340	clay white
340	345	clay white
345	350	clay white
350	355	clay white
355	360	clay white
360	365	clay white
365	370	clay white
370	375	clay white
375	380	clay white
380	385	clay white
385	390	clay white
390	395	clay white
395	400	clay white
400	405	clay white
405	410	clay white
410	415	clay white
415	420	clay white
420	425	clay white

420 Show exact depth of bottom

50,603

1095

STATE OF MONTANA, ss.  
COUNTY OF ROSEBUD)

Filed on the 13<sup>th</sup> day of June

1972 at 9:55 o'clock A.M.

Howard J. Smith  
County Clerk & Recorder

By Betty M. Smith  
Deputy

\$2.00

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner James Snyder  
Address Coalstrip  
Mont.  
Date well started 5-19-72  
completed 5-23-72  
Type of well Drilled  
(Dug, driven, bored or drilled)  
Equipment used rotary  
(Cable drill, rotary or other)

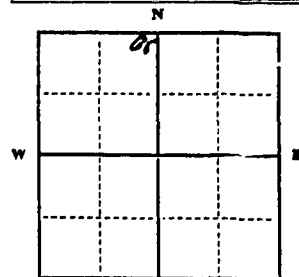
For Administrator's Use  
File 1096  
June 13, 1972 9:55 a.m.  
GW 1

Water Use: Domestic ☒ Municipal ☐ Stock ☐ Irrigation ☐  
Industrial ☐ Drainage ☐ Other ☐\* Garden/Lawn ☐

\*Describe \_\_\_\_\_  
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). \_\_\_\_\_

ESTIMATED ANNUAL WITHDRAWAL

Size of Drilled Hole	Size and Weight of Casing	From (Feet)	To (Feet)	PERFORATIONS
<u>6 3/4</u>	<u>5 1/2</u> <u>16 lbs</u>	<u>0</u>	<u>197</u>	<u>slotted</u>
				Kind Size From (Feet) To (Feet)
				<u>120</u> <u>197</u>



NE 1/4 NW 1/4 Sec. 24  
T. 1 N. R. 41 E. X

Static water level 60' ft.\*  
Pumping water level 180' ft.\*  
at 8 gallons per minute,  
measured 30 minutes after pumping began.

\*Measured from ground level.  
Well developed by Pump  
for 1 hours.  
Power E Pump 1 HP  
Remarks: (Gravel packing, cementing, packers, type of shutoff)  
Gravel

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.  
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature M. E. Welch  
Driller's Address 916 So. Taylor Glendive

LICENSE NO. 223

County Rosebud

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)	
From (Feet)	To (Feet)
<u>0</u>	<u>15</u> <u>yellow clay</u>
<u>15</u>	<u>25</u> <u>sand</u>
<u>25</u>	<u>48</u> <u>blue clay</u>
<u>48</u>	<u>78</u> <u>coal</u>
<u>78</u>	<u>83</u> <u>white clay</u>
<u>83</u>	<u>98</u> <u>coal</u>
<u>98</u>	<u>126</u> <u>white clay</u>
<u>126</u>	<u>150</u> <u>sand</u>
<u>150</u>	<u>169</u> <u>coal</u>
<u>169</u>	<u>170</u> <u>sand</u>
<u>170</u>	<u>200</u> <u>white clay</u>
<u>200</u>	<u>206</u> <u>brown shale</u>
<u>206</u>	<u>225</u> <u>white clay</u>
<u>225</u>	<u>245</u> <u>purple shale</u>
<u>245</u>	<u>267</u> <u>white clay</u>
<u>267</u>	<u>287</u> <u>purple shale</u>
<u>287</u>	<u>300</u> <u>white clay</u>

Show exact depth of bottom 300

50,604

1096

STATE OF MONTANA, ss.  
COUNTY OF ROBERTS)

Had on this 13<sup>th</sup> day of June

9:55 o'clock A.M.

Harold Tail  
County Clerk & Recorder

By Betty L. Fontaine  
#2.16