STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator: Tom Hagumann
   Address: 4404 South 24th
   (Town)
   State of: Montana

2. The beneficial use on which the claim is based: Home & Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1933

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1/4 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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1933

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: 165 feet deep

10. The estimated amount of groundwater withdrawn each year: 1500 gal. day

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:

Signature of Owner: Tom Hagumann
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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

1. Name of Appropriator

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

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

4. The amount of groundwater claimed (in inches or 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.

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

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

8. The depth of water table.

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.

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if 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.

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 Approprinter.
STATE OF MONTANA COUNTY
OF ROSEBUD SS. FILED REP.
30,1963, AT 9 A.M., CO. CLERK.

[Signature]
[Signature]

[Stamp]
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>James W. Spenard</th>
<th>Forsyth</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name of Appropriator)</td>
<td>(Address)</td>
</tr>
<tr>
<td>County of Rosebud</td>
<td>State of Montana</td>
</tr>
</tbody>
</table>

I, [Name of Appropriator], have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: **Livestock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1927 - Continuous**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **30 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: **Not applicable**

6. The means of withdrawing such water from the ground and the location of each well, or other means of withdrawal: **Well with Pump**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1927 - Redrilled May 1, 1942**

8. The depth of water table: **15 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: **Not applicable**

10. The estimated amount of groundwater withdrawn each year: **40,000 gal.**

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

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: **Not applicable**

Signature of Owner: **James W. Spenard**

Date: **Dec 21, 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 School of Mines and quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Northern Pacific Railway Company, of St. Paul, Minnesota, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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 1900.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 40 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: 50 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: 35 feet deep - 6-inch casing.

10. The estimated amount of groundwater withdrawn each year: None.

11. The log of formations encountered in the drilling of each well if available: 0-12' sandy clay; 12-45' sand rock; 45-75' blue shale; 75-105' coal; 105-130' sand rock; water 50 gallons per minute; 120-150' 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:

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 Appropriate.
STATE OF MONTANA, COUNTY OF ROSEBUD.

Filed on the 28th day of November, 1901, at 1:00 o'clock P.M.

William Clark, County Clerk of Rosebud County.

By Zilla Clark, Deputy.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Company, of Minn., 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:

2. The beneficial use on which the claim is based: FURNISHING
   WATER FOR LIVESTOCK.

3. Date or approximate date of earliest beneficial use: CONTINUOUS SINCE 1920.

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 withdrawal of groundwater: WELL, DRILLED IN 1955.

8. The depth of water table: 20 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: 20 FEET DEEP - 5-INCH CASING.

10. The estimated amount of groundwater withdrawn each year: None.

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: None.

Northern Pacific Railway Company
Signature of Owner: ____________________________
Dist. Supervisor, Grav. & 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.
170859

OF MONTANA.

City of Rosebud.

Received the 12th day of

NEW YORK.

H. W. Scott.

COUNTY CLERK.

E. C. Clark
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriaee ____________
   Address ____________
   (Town) ____________
   County of ____________
   State of ____________

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

   2. The beneficial use on which this claim is based ____________

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

   4. The amount of groundwater claimed (in miner's inches or 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 ____________

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

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

   8. The depth of water table ____________

   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 ____________

   10. The estimated amount of groundwater withdrawn each year ____________

   11. The log of formations encountered in the drilling of each well if 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 ____________

   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.

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 Appropriorator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Northern Pacific Railway Company, of E.P. Bldg., St. Paul,
having appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriator: Northern Pacific Railway Company
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 1948.
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 0 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 or other works for withdrawal of groundwater: Well drilled in 1948 or earlier.
8. The depth of water table: 140 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: None.
11. The log of formations encountered in the drilling of each well if available: None.
12. 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 available.

Northern Pacific Railway Company
Signature of Owner: Edward H. Hinkle
Dist. Supervisor, Gras. & Cult.
Date: 1963

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.

656
179361

HOT MONTANA, SS.

Sum on the 6th day of June
1968 at 2:00 o'clock P.M.

Hon. J. S.
County Clerk of Records

By S. C.
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

The Montana Power Company, of 40 East Broadway, Butte
(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:

2. The beneficial use on which the claim is based:
   Municipal supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Feb. 1, 1943 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 35 gallons per minute - 24 hours per day

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:

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Completion - Feb. 2, 1943

8. The depth of water table: 315 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:
   Drilled well - must be pumped
   Total depth - 519'
   12" casing set at 341'
   10" perforated liner set at 519'

10. The estimated amount of groundwater withdrawn each year: 9,198,000 gallons per year

11. The log of formations encountered in the drilling of each well if available:
   Detailed log not available; but casing record shows 3 distinct sand zones with a net productive thickness of 58'

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:

(CORPORATE SEAL)

ATTEND:

Signature of Owner

By Offici

Vice President

Date: February 1, 1962

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 Appropiator.
STATE OF MONTANA,
COUNTY OF ROSEBUD) SS.

Filed on the 6th day of April...
196__ at __:00 o'clock A.M.

Harvey Lee

County Clerk & Recorder

By Betty M. Haines
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. The Montana Power Company of 40 East Broadway Butte
   (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:

<table>
<thead>
<tr>
<th>W</th>
<th>E</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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:

   Municipal Supply

3. Date or approx. date of earliest beneficial use; and how continuous the use has been...August 31, 1936...
   continuous

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

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

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

   Well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Commencement - July 21, 1936
   Completion - August 30, 1936

8. The depth of water table...
   Not available

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
   Drilled well - must be pumped
   Total depth - 596'
   12" casing set at 312'
   6" perforated liner set at 596'

10. The estimated amount of groundwater withdrawn each year...
    9,180,000 gallons

11. The log of formations encountered in the drilling of each well if available
    315' of interbedded clays, coal, shales, and shaly sandstone
    115' net productive sand thickness from 315' to 435'
    3 distinct water zones separated by beds of shale, coal and sandy 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

(CORPORATE SEAL)

ATTEST: ________________________________
Its Secretary

THE MONTANA POWER COMPANY

Signature of Owner...By...Vice President
Date...February 1, 1962

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.
STATE OF MONTANA
COUNTY OF ROSEBUD

Sworn on the 12th day of April
1967 at 8:00 o'clock A.M.

J. W. WELLS
County Clerk of recorder

By: Betty M. Fortescue
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. **The Montana Power Company** of **40 East Broadway** in **Butte**
   (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:

   2. The beneficial use on which the claim is based
      - **Municipal supply**

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been...
      - **April 1926** - continuous

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

   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...

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
      - **Completion date April 1926**

   8. The depth of water table...
      - **60 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...
      - **Drilled well must be pumped**

      - **Total depth - 1500**

      - **6-5/8" casing set at 1107**

      - **2-1/2" tubing - depth unknown**

   10. The estimated amount of groundwater withdrawn each year...
      - **5,241,600 gallons per year**

   11. The log of formations encountered in the drilling of each well if available...
      - **1192" of interbedded shales, shaly sandstones, coal and limestone**

      - **Stringers - 83" net sand thickness from 1192" to 1500"**

      - **Net productive thickness unknown**

   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...

   **(CORPORATE SEAL)**

   **ATTEST:**
   **Secretary**

   **THE MONTANA POWER COMPANY**

   **Signature of Owner**
   **Vice President**

   **Date** January 1, 1962

   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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. The Montana Power Company, of 40 East Broadway, Butte, State of Montana,
   County of Rosebud, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>W</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
</tr>
</tbody>
</table>

   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: Municipal Supply

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Oct. 1, 1945 - continuous

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7.5 gallons per minute - 24 hours per day

   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

   6. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Completion date - Oct. 1, 1945

   8. The depth of water table: Not available

   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:

      - Drilled well - must be pumped
      - Total depth - 614'
      - Casing and tubing information not available

   10. The estimated amount of groundwater withdrawn each year: Not known

   11. The log of formations encountered in the drilling of each well if available:

      - 352' of interbedded clays, shales, sandy clays and coal
      - 72' net sand thickness in five distinct zones from 354' to 509'
      - Net productive thickness unknown

   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:

   (CORPORATE Seal)

   ATTEST:
   [Signature]
   Its Secretary

   SIGNATURE OF OWNER
   [Signature]
   Date: February 1, 1962

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 Approprietor.
STATE OF MONTANA, SS.
COUNTY OF ROSEBUD

Filed on the 1st day of April
1921 at 5 o'clock A.M.

Hayward, Montana
County Clerk & Recorder

by

January 24, 1922
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 227 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: The Montana Power Co.
Address: 40 East Broadway, Butte, Montana
Date well started: July 6, 1971
Date well completed: Sept. 7, 1972
Type of well: Drilled
Equipment used: Rotary
Water Use: Domestic □, Municipal □, Stock □, Irrigation □, Industrial □, Drainage □, Other □, Garden/Lawn □

Potential Steam Plant Supply

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<table>
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<th>Size of Pipe</th>
<th>Rise and</th>
<th>Depth From</th>
<th>Yp (Feet)</th>
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<tbody>
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<td>of casing</td>
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<tr>
<td>6-1/8&quot;</td>
<td>5&quot;</td>
<td>0</td>
<td>9333</td>
</tr>
</tbody>
</table>

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Static water level: 390 feet

Well developed by:

---

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

---

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.

LICENSE NO.

---

(*): Well re-completed April 2, 1973 in Mission Canyon formation from which water is now being produced. Perforations in Red River 9110'-9150' and 9243'-9258' have been cemented and plugged off (See Original Appropriation filed September 22, 1971)
STATE OF MONTANA, COUNTY OF ROSEBUD,

Filed on the ___ day of ____________.

At ____ o'clock A.M

Assistant Clerk

Notary Public

#225
**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.

**State of Montana**

**Administrator of Groundwater Code**

**Montana Water Resources Board**

**Supplemental Notice of Completion of Groundwater Appropriation by Means of Well**

Developed after January 1, 1962

(Under Chapter 327 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:** The Montana Power Co.  
**Address:** 40 East Broadway  
**File:** [Undetermined]

**Butte, Montana**  
Date well started: July 6, 1971  
Date well completed: Sept. 7, 1971

**Type of well:** Drilled

**Equipment used:** Rotary (Chim drill, rotary or other)

**Water Use:** Domestic □  Municipal □  Stock □  Irrigation □  Industrial □  Drainage □  Other □  Garden/Lawn □

**Describe:** [Undetermined]

**Use:** If used for irrigation, industrial, drainage or other. Explain state number of acres and location or other data (i.e., 2,3, Block and Addition). Colstrip Project Water Supply and Potential Steam Plant Supply

**Estimated Annual Withdrawal:** Unknown

**Top of Ground:** (Elev. above sea level) 3236'

<table>
<thead>
<tr>
<th>State of Drilled Site</th>
<th>Size of Drilled Site</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Perforations</th>
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</tr>
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<td></td>
<td>6-1/8&quot;</td>
<td>7891</td>
<td>9333</td>
<td>7810-7818</td>
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<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

| NE 1/4 NW 1/4 Sec 34  | T. 29  | R. 61  | E 1/2 |

**STATIC WATER LEVEL:**  
[Undetermined] ft.,  
300 gallons per minute

**Static Water Level:** [Undetermined] ft.

**Flowing Water:** [Undetermined] ft.

**Power:** [Undetermined] HP

**Remarks:** [ Undetermined]

---

**Driller’s Signature:** [Undetermined]

**Driller’s Address:** [Undetermined]

**LICENSE NO.:** [Undetermined]

**SHOW EXACT DEPTH OF BOTTOM:**  
3936  
Show exact depth of bottom
**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** Montana Power Co.

**Address** 40 E. Broadway

**Butte, Montana**

**Date well started** July 6, 1971

**GW 1**

**completed** Sept. 7, 1971

**Type of well** Drilled

(Deep, driven, bored or drilled)

**Equipment used** Rotary

(Churn drill, rotary or other)

**Water Use** Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □ Garden/Lawn □

*Describe* if used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). Potential Steam Plant supply...

**Top of Ground**

(Height above sea level)

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1247 Fort Union</td>
</tr>
<tr>
<td>1500 Fox Hills</td>
<td></td>
</tr>
<tr>
<td>1608 G“. Paw</td>
<td></td>
</tr>
<tr>
<td>2643 Judith River</td>
<td></td>
</tr>
<tr>
<td>2612 Clagett</td>
<td></td>
</tr>
<tr>
<td>3022 Eagle</td>
<td></td>
</tr>
<tr>
<td>4123 Hiobran</td>
<td></td>
</tr>
<tr>
<td>4135 Greenhorn</td>
<td></td>
</tr>
<tr>
<td>5198 Mounty</td>
<td></td>
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<tr>
<td>5320 Thermopolis</td>
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</tr>
<tr>
<td>5390 Muddy</td>
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<tr>
<td>5840 Skull Creek</td>
<td></td>
</tr>
<tr>
<td>5870 Dakota Silt</td>
<td></td>
</tr>
<tr>
<td>5320 Dakota Sandstone</td>
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<tr>
<td>5970 Fuson</td>
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</tbody>
</table>

**Estimated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Rate and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
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<tr>
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<td>1482 Jet 9110 9150</td>
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<td>32.755</td>
<td>7&quot;</td>
<td>7997 4SPF 9243 9250</td>
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<td></td>
<td>23 &amp; 268</td>
<td>5&quot;</td>
<td>7991 9333</td>
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**Kind Perforations**

<table>
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<tr>
<th>Kind</th>
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<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jet</td>
<td>9110</td>
<td>9150</td>
<td></td>
</tr>
<tr>
<td>4SPF</td>
<td>9243</td>
<td>9250</td>
<td></td>
</tr>
</tbody>
</table>

**Indicate Location of Well and Place of Use, if Possible. Each Small Square Represents 40 Acres.**

**Driller's Signature**

B. S. Allan, Jr. Signal Drilling Co., Inc.

1250 Security Life Building

Denver, Colorado 80202

**License No.** 218

---

State of Montana

Administrator of Groundwater Code

Montana Water Resources Board

RECEIVED SEP 24 1971

DRILLER'S LOG

**County** Bozeman

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.
STATE OF MONTANA)
COUNTY OF ROSHULID

Filed on the 22nd day of Sept. 1921 at 8:00 o'clock A.M.

Mary Jane

and

By Henry D. Integry

197886
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: UN KNOWN

Owner: DUNCAN H. MILLER
Address: FORSYTH, MONT

Contractor (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: SURFACE WATER

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: APPEX. 10 GALL. PER MIN.

Signature of Owner: __________________________ Date: 12-30-63

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.
STATE OF MONTANA, COUNTY OF ROSEBUD SS.  FILED DEC. 30, 1963, AT 11:45 A.M., CO. CLERK

[Signature]

[Signature]

179918
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1908

Owner: Northern Pacific Railway 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 1908:

Spring flows 1 gallon per minute, measured over a period of time:

Signature of Owner:

Date:

Northern Pacific Railway Company

District Supervisor, Agr. 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.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1908
Owner: Northern Pacific Railway Company
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 1908.

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 15 gallons per minute, measured over a period of time. Will water 100 head of cattle.

Northern Pacific Railway Company
Signature of Owner: Dist. Supervisor: Graz. & Culti.
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.
STATE OF MONTANA,
COUNTY OF ROSEBUD

Filed on the 16th day of Nov.
1962 at 2:00 o'clock P.M.

County Clerk

By ________________________

Ellen Clark
Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1906.
Owner: Northern Pacific Railway 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 1906.

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 3 gallons per minute.

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

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.
STATE OF MONTANA
COUNTY OF ROSEBUD

Filed on the 24th day of Nov.
1943 at 2:00 o'clock P.M.

County Clerk of Montana

Ellen P. Clark
Deputy
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1963
Owner: Northern Pacific Railway Company. Address: St. Paul, Minn.
Contractor (if any) ____________________________________________
Address of Contractor ________________________________________
Date Started: __________________ Date Completed: _________________

Describe means of obtaining groundwater without a well: by sub-irrigation and other natural processes. Include depth to water when applicable...Spring used since 1963

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 10 gallons per minute, measured over a period of time. Will water 100 head of cattle.

Northern Pacific Railway Company
Signature of Owner. By ____________________________
 Dist. Supervisor, Graz. & 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.
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.

**Owner**: Montana Power Co.

**Address**: 40 S. Broadway

**Butte, Montana**

**Date well started**: July 6, 1971

**Date well completed**: Sept. 7, 1971

**Type of well**: Drilled

**Equipment used**: Rotary

**Water Use**: Domestic [] Municipal [] Stock [] Irrigation []

**Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc.**

**Top of Ground**

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Start of Hole</th>
<th>Size and Depth of Casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Bore Size</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
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<td>32.750</td>
<td>0</td>
<td>0</td>
<td>Jet</td>
<td>9110</td>
<td>9150</td>
</tr>
<tr>
<td>8-3/4&quot;</td>
<td>7&quot;</td>
<td>23 &amp; 268</td>
<td>0</td>
<td>0</td>
<td>4SPF</td>
<td>9243</td>
<td>9256</td>
</tr>
<tr>
<td>6-1/8&quot;</td>
<td>5&quot;</td>
<td>17.938</td>
<td>7891</td>
<td>9333</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level**: Flowing ft.

**Flowing water**: 2750 7406

**Note**: Potassium nitrate is used as a pump and casing cement.

**Remarks**: Gravel packing, cementing, packers, type of shutoff

**All casing strings cemented**

**Well developed by**: Power Pump HP

**Flowed water**: 3340 8614

**Flowed water at**: 7766 8340

**Mission Canyon**: 7766 8340

**Lodgepole**: 8340 8614

**Beaver**: 8614 8770

**Interlake**: 8770 8858

**Alluvial fill at**: 8858 8966

**E. V. Calvert, Jr. Signal Drilling Co., Inc.**

**Driller's Signature**: E. V. Calvert, Jr.

**Driller's Address**: 1200 Security Life Building

**Denver, Colorado 80202**

**LICENSE NUMBER**: 218

**State of Montana Water Resources Board**: 9336

**Notice of Completion of Groundwater Appropriation by Means of Well**: SEP 24 1971

**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.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>179119</td>
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<td>WINTER, Richard George</td>
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<td>6W-4</td>
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<td>WINTER, Lucinda George</td>
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<td>Nor Pac. Co.</td>
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<td>179364</td>
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<td>180437</td>
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</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
<th>County of</th>
<th>State of</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tom Wimer</td>
<td></td>
<td></td>
<td>Rosebud</td>
<td>Mont</td>
</tr>
</tbody>
</table>

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

1. Name of Appropriator: Tom Wimer
2. Address: Rosebud
3. Town: Forsyth
4. 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: Windmill with pump rod 2" cylinder
7. Date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Dec. 21, 1957
8. Depth of water table: 60 FT
9. Type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Pipe size 2", casing 4" depth 10 1/2 FT, pump rod 76" steel 82 FT total well depth 182
10. The estimated amount of groundwater withdrawn each year: 60,000 gallons
11. Log of formations encountered in the drilling of each well if available:
   - 501 (15.5 to 38.5) (clay)
   - 502 (38 to 1215 sandstone)
   - 503 (1215 to 503) (sand)
   - 504 (503 to sand) (water at 251) (pump to 60 FT)
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including references to book and page of any county record:

Signature of Owner: Tom Wimer
Date: Jan. 25, 1963

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 School of Mines and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

UNDER CHAPTER 237, MONTANA SESSION LAWS, 1961

1. Contia Fothrick Falmur, of
   (Name of Appropriator) (Address) (Town)
   County of Rosalia, State of Montana

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

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

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

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

   5. If used for irrigation, give the area and description of the lands to which water has been applied and name of the owner thereof

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

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

   8. The depth of water table

   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.

   10. The estimated amount of groundwater withdrawn each year.

   11. The log of formations encountered in the drilling of each well if 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

   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.
STATE OF MONTANA, COUNTY OF ROSEBUD SS. FILED DEC 31, 1969, AT 3:35 PM, CO. CLERK

[Handwritten Signature]

By: [Handwritten Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Geneva Philbrick Pulnor
   (Name of Appropriator)

County of: Roosevelt
State of: Montana

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

2. The beneficial use on which the claim is based
   (Live Stock water well)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   (????????)

4. The amount of groundwater claimed (in miner's inches or 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
   (Windmill, pipe, submersible motor and cylinder)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   (?????????)

8. The depth of water table
   (?????????)

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
   (Drilling, 6 in. casing)

10. The estimated amount of groundwater withdrawn each year
    (????????)

11. The log of formations encountered in the drilling of each well if available
    (Can not find log of this well)

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
    (Log if it can be found)

Signature of Owner: Geneva Philbrick Pulnor
Date: Dec. 30, 1963

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.
STATE OF MONTANA, COUNTY
ITY OF ROSEBUD SS. FILED DEC.
EC. 31, 1963, AT 35 P.M., CO. CLERK.

[Signature]
[Signature]
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Cordie Hillbrick Palmer of Rono
   (Name of Appropriator) (Address) (Town)
   County of Rono State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   2. The beneficial use on which the claim is based:
      Live Stock Water Well

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      
   4. The amount of groundwater claimed (in miner's inches or gallons per minute):
      
   5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof:
      
   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
      Irrigation pipe, auger rod and cylinder

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      
   8. The depth of water table:
      
   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:
      Drilled, 6 in. in Rono

10. The estimated amount of groundwater withdrawn each year:
      
11. The log of formations encountered in the drilling of each well if available:
      Can not find log of this well

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:
      
   Signature of Owner: Cordie Hillbrick Palmer
   Dec. 30, 1963

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.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: [Name]  Address: [Address]
Driller: [Name]  Address: [Address]
Date Started: [Date]  Date Completed: [Date]
Location: Sec. [Sec]  T. [T]  R. [R]  X sec. [X]

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
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<td>[Dug, driven, bored, or drilled]</td>
<td>[Dug, driven, bored, or drilled]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Type</th>
<th>Size</th>
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<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
<th>Static Water level, for non-flowing well: feet</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well: lb./sq. in. on: (date)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Pumping water level: feet at gallons per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 120</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>12 to 45</td>
<td>Sandstone</td>
</tr>
<tr>
<td>45 to 75</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>75 to 105</td>
<td>Sand</td>
</tr>
<tr>
<td>105 to 130</td>
<td>Sandstone (water 35 gal per min)</td>
</tr>
<tr>
<td>130 to 135</td>
<td>Shale</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Goria Philbrick Fulmer, of Forsyth
   (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:

2. The beneficial use on which the claim is based: Stock Water
   Well

3. Date or approximate date of earliest beneficial use; and how continu-     June 29, 1956. Used with corn for Stock and in that pasture
ous the use has been.     Live-Stock are in that pasture

4. The amount of groundwater claimed (in minor's inches or gallons per minute). 19 g. p. m.

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. Windmill, pipe, sucker rod, cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. June 29, 1956 to July 7, 1956

8. The depth of water table. 180 foot

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. Drilled, 6 in casing, 190 foot deep, windmill 2 in pipe, wooden sucker rod, 1 1/2 foot cylinder

10. The estimated amount of groundwater withdrawn each year. 77777

11. The log of formations encountered in the drilling of each well if available. 200-250 gravel, 250-300 water, gal. min 33 to 90, shale 100 to 120, sandstone, 180 to 190 shale, 10 to 120, sandstone, 120 to 140, gravel, min 130 to 150, 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.

Signature of Owner: Goria Philbrick Fulmer
Date: Dec. 30, 1963

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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1911
Owner: Northern Pacific Railway Company
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
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 flows 2 gallons per minute, measured
over a period of time.

Northern Pacific Railway Company
Signature of Owner: __________________
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 Appraiser.
STATE OF MONTANA,

COUNTY OF ROSEBUD,

Filed on the 14th day of December, 1949 at 2:00 o'clock P.M.

Harold J. 
County Clerk of Montana

By
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. County of ____________ (Name of Appropiater) State of ____________ (Town)

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

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<th>N</th>
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</thead>
<tbody>
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</tbody>
</table>

2. The beneficial use on which the claim is based: ______________

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

4. The amount of groundwater claimed (in miner's inches or 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:

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: ______________

8. The depth of water table: ______________

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: ______________

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

11. The log of formations encountered in the drilling of each well if 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: ______________

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 Appropiater.
STATE OF MINNESOTA, COUNTY OF ROSEBUD SS. FILED JAN. 12th, 1964, AT 4th PL, CO. CLERK

12:05

[Signature]

[Notary Public]

[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator: ____________________________
   Address: ____________________________
   Town: ____________________________
   County: ____________________________
   State of Montana

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

2. The beneficial use on which the claim is based: ____________________________

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

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

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof: ____________________________

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: ____________________________

8. The depth of water table: ____________________________

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: ____________________________

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

11. The log of formations encountered in the drilling of each well if 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: ____________________________

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.
STATE OF MONTANA, COUNTY OF ROSEBUD SS: FILED JAN. 11, 1964, AT 10:00 AM, CO. CLERK

__\___

Howard Cochrane


[Scripture text]
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. ___________________________ (Name of Appropriator) of ___________________________ (Address) in ___________________________ (Town)

   County of ___________________________ State of Montana

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

   2. The beneficial use on which the claim is based:

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

   4. The amount of groundwater claimed (in miner's inches or 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:

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

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

   8. The depth of water table:

   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:

   10. The estimated amount of groundwater withdrawn each year:

   11. The formations encountered in the drilling of each well if 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:

   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.
STATE OF MONTANA, COUNTY

FILED JAN. 10TH, 1954, AT 8:00 A.M., CO. CLERK

[Signature]

[Signature]