WATER WELL LOG FILE NO. 357

LAWRENCE C. BATH

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER.

Filed this 27th day of Dec. 1963, A.D.
at 11:30 o'clock a.m.

COUNTY CLERK

FEE $2.00
Notice of Completion of Groundwater Appropriation by Means of Well

Owner: Lawrence Hath
Address: Broadway

Driller: Ira C. Bond
Address: Terry

Date of Notice of Appropriation of Groundwater

Date well started: 8/20/64
Date completed: 9/28/64

Type of well: Drilled
Equipment Used: Cable tool

Water Use: Domestic

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### Perforations

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8&quot;</td>
<td>5 5/8&quot; OD surface</td>
<td>57&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4&quot; IW</td>
<td></td>
<td></td>
<td>202&quot;</td>
<td></td>
</tr>
<tr>
<td>1 1/2&quot;</td>
<td></td>
<td>57&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal, per min. of flowing well

How Tested: bailer

Length of Test: 4 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

None

---

Show exact depth of bottom.

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Driver's License Number

Driller's Signature

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.

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

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

1. **Henry A. Thoney**
   - Name of Appropriator
   - Address
   - Town
   - County
   - State

   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 since 1962

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   - Approximately 10 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
   - July 1961

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
    - 70,000 gallons

11. The log of formations encountered in the drilling of each well if available
    - The well was drilled at **Brockway**, Miles of Tongue, Montana.

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: **Henry A. Thoney**
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.
Deed No. 127118

Water Well Log File No. 362.

Homer A. Thoery
TO
The Public

State of Montana
County of McCone

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of December, 1969
A. D., at 11:30 A. M.

[Signature]
County Clerk

Fee: $2.00
## Declaration of Vested Groundwater Rights

### Under Chapter 237, Montana Session Laws, 1961

**Declaration of Vested Groundwater Rights**

**STATE ENGINEER**

1. **Cecil Raff**
   - **Name of Appropriator**
   - **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 the claim is based**
   - **Stake well**

3. **Date or approximate date of earliest beneficial use, and how continuous the use has been**
   - **1953** CONTINUOUS USE

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

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**
   - **Cylindrical**

7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**
   - **1953**

8. **The depth of water table**
   - **Don't know**

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**
   - **10½ ft Deep with iron casing**

10. **The estimated amount of groundwater withdrawn each year**
    - **45,000 gal**

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 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.
WATER WELL LOG FILE NO. 555

CIVIL BATH

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1969, A.D.
at 9:19 o'clock, a.m.

COUNTY CLERK

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

JAN 16 1964

DECLARATION OF VESTED GROUNDWATER RIGHTS

1. (Name of Appropriator)
   (Address)
   (Town)
   County of

   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

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): Approximately 2 to 5 gallons per minute; method of pumping

   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: Approximately Oct 1953

   8. The depth of water table: Don't know

   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: Approximately 25 feet deep

   10. The estimated amount of groundwater withdrawn each year: 50,000 gallons

   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 record

   Signature of Owner: Cecil Rath
   Date: Dec 31, 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.
FILE NO. 556

CEIL BUSH

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MCDONOUGH

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1943 A.D.
at 9:20 o'clock a.m.

FEE: $2.00
Declamation of Vested Groundwater Rights

(JAN 1, 1954) (Under Chapter 237, Montana Session Laws, 1961) STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEERS

Declaration of Vested Groundwater Rights

STATE ENGINEER

Lev Brost

of Brockway

County of McCone

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 is stock water well.

3. Date or approximate date of earliest beneficial use: 1948, and used every day.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5.96, per min.

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: 1946.

8. The depth of water table: 80 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: Clay, 165 ft. 65 ft.

10. The estimated amount of groundwater withdrawn each year: 2,650,000 gal.

11. The log of formations encountered in the drilling of each well if available: Sandy soil, Clay, Clay 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: Levi Brost

Date: 1/2 - 30 - 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.

3608
DOC. NO. 127196

WATER WELL LOG FILE NO. 637

LEO SHORT

to

THE PUBLIC

STATE OF MONTANA )
RES
COUNTY OF MCDONALD )

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 11:39 o’clock p.m.

[Signature]
COUNTY CLERK

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Leo Brost
   (Name of Appropriator)
   (Address)
   County of: Mc. Co.,
   State of: Montana

2. The beneficial use on which the claim is based: Stock Water Well
   (Nature of Use)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1945 Used Everyday
   (Year of Use)

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 80 gpm
   (Amount of Claimed Water)

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
   (Irrigation Details)

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Stock Water Well
   (Method of Withdrawal)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1945
   (Construction Dates)

8. The depth of water table: 100 ft.
   (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: 4 in. Dia. 193 ft. Deep
   (Well Specifications)

10. The estimated amount of groundwater withdrawn each year: 300,000 gal.
    (Annual Withdrawal)

11. The log of formations encountered in the drilling of each well if available: Chalk, Coal, Quartz Sandstone, Limestone
    (Drilling 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: No Record
    (Additional Information)

Signature of Owner: Leo Brost
Date: 12-31-64

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.
DOC. NO. 127195

WATER WELL LOG FILE NO. 436

L.M. BROST

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MOSIER

OFFICE OF COUNTY CLERK & RECORDER

Filed this 26th day of Dec., 1963 A.D.

at 1:30 o'clock p.m.

COUNTY CLERK

FEE: $2.00
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Leo Brast
Address: Brockway, Mont.

Driller: E. E. Coct
Address:

Date of Notice of Appropriation of Groundwater:

Type of well: Drilled
Equipment Used:

Water Use:

<table>
<thead>
<tr>
<th></th>
<th>Domestic</th>
<th>Municipal</th>
<th>Other</th>
<th>Irrigation</th>
</tr>
</thead>
</table>

*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 water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Form (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 1/2&quot;</td>
<td>4&quot; Plastic Top</td>
<td>113&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 70.1 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 9.5 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Balanced
Length of Test: 1/4 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation.)

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Doc. No. 36128
Filed for record
this 26 day of December
A. D. 1949, at 10 a.m.

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.

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.
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

MONTANA

(County of) Mccone State of MONTANA

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1961, as follows:

1. Name of Appropriator: Cecil Ratte
   Address: 
   Town:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: January 1, 1954
   Continuous

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

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:
   1/2 inch pipe stuck with cylinder

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

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:
   Casing: 20 ft. of 6 in. steel, 70 ft. of screen

10. The estimated amount of groundwater withdrawn each year:
    50,000 gal

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 record

Signature of Owner: Cecil Ratte
Date: Dec 31, 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; quadruplicate for the Approprietor.
WATER WELL LOG FILE NO. 557

CIVIL BATH

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1908 A.D. at 9:21 o'clock, a.m.

COUNTY CLERK

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

LAWRENCE C. RATH, of BROCKWAY
(Name of Appropriator) (Address) (Town)
County of McCONE, 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

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

June 1946

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

20 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

No

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

Windmill and Pump 3 inch cylinder

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

June 12, 1946 - June 22, 1946

8. The depth of water table

125 ft.

9. So far as 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 4 inch casing 136 ft

water is withdrawn with a 1 inch well pipe and
3 inch cylinder

10. The estimated amount of groundwater withdrawn each year

unknown

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

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

None

Signature of Owner

Date: 12-26-1963

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.
DOCK. NO. 127109
WATER WELL LOG FILE NO. 38

LAWRENCE G. HUTCH

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF MISSOULA
OFFICE OF COUNTY CLERK & RECORDER

Filed this 27th day of Dec., 1963, A.D.,
at 11:05 o'clock a.m.

County Clerk

FEE $2.00
Notice of Completion of Groundwater Appropriation by Means of Deep Well Engineer

(Under Chapter 237, Montana Session Laws, 1961)

Owner: CECIL RATH, Address: BLACKWATER

Driller: HENRY JOHNSON, Address: TERRY

Date of Notice of Appropriation of Groundwater: JULY 15.

Date well started: JULY 15; Date Completed: JULY 16.

Type of well: DRILLED; Equipment Used: CARM (dug, driven, bored or drilled, etc.)

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.

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Chute</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6</td>
<td>6.10</td>
<td>0</td>
<td>31</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5.5/</td>
<td>4.10</td>
<td>9.5 16</td>
<td>31</td>
<td>3/8</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 34 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 100 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: BALLER; Length of Test: 1 ft.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

7 FT LAP BETWEEN PIPE

24'-31'

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number: HENRY JOHNSON

Driller's Signature:

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.

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.

38391
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Lawrence C. Rath, 136 Brokway
   (Name of Appropriator) (Address)
   County of McCone, 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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Stock Water
      Nov. 1934 - 1955

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 gals per min.

   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: No

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Windmill and pump, 5 inch cylinder 3/4 inch well pipe

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 10-30-35 1-23-55

   8. The depth of water table: 70 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 10 ft. casing 40 ft. C.I. Cas.
      5/8 inch casing at the 27 ft. mark - Well is 70 ft. deep.

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

   11. The log of formations encountered in the drilling of each well if available: 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: None.

   Signature of Owner: Lawrence C. Rath
   Date: 12-26-53

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.

36330
127110

DOC. NO.

WATER WELL LOG FILE NO. 359

LAWRENCE C. RATH

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MACCONE

OFFICE OF COUNTY CLERK & RECORDER.

Filed this 27th day of Dec. 1963, A.D.
at 11:30 o'clock a.m.

[Signature]

COUNTY CLERK

FEE $ 2.00
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: John Doe, 123 Main St., Glendale, Mont.
Driller: Robert W. Hasper, Address: Glendale, Mont.
Date of Notice of Appropriation of Groundwater: 12-6-46
Date Well Started: 12-6-46
Date Completed: 12-9-46
Type of Well: Drilled
Equipment Used: Churn Drill

Water Use: Domestic
Municipal
Industrial
Drainage
Stock
Irrigation

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 water rises in the well.

<table>
<thead>
<tr>
<th>Strata</th>
<th>Thickness</th>
<th>Water Bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 30 feet.
Shut-in Pressure for Flowing Well: 30 psi.
Pumping Water Level: 30 feet at 30 gal. per minute.
Discharge in gal. per min. of flowing well: 30 gal. per minute.

How Tested: Ditched
Length of Test: 1 hr.
Remarks: Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation.

Gravel packed outside of casing

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.

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

Driller's License Number

Driller's Signature
Water Well Log #660.

State of Montana
County of McCone
Office of Clerk and Recorder.

Filed this 8th day of March, A.D. 1968.

At 8:05 o'clock A.M.

Signed:

[Signature]

Fee: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
(Proceed under Chapter 237, Montana Session Laws, 1961)

Northern Pacific Railway Company, of N.P. Hldg., 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... 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)... 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... Well, drilled in 1948.

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... 70 feet deep... 50 feet 6-inch casing... 40 feet 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... None available.

Northern Pacific Railway Company
Signature of Owner... By... Dist. Supervisor, Graz. & Cult...
Date... Dec. 11, 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.

File No...
County... McCona...
Water Well Log #274
State of Montana
County of McCone

Office of Clerk and Recorder.
Filed this ___________ day of
December __________ A.D. 1969
at _______ oclock A.M.


By: ___________ Deputy

Fee $2.00