STATE OF MONTANA, MUSSEL SHELL COUNTY.

FILED THIS 23 DAY OF

A. D. 1913

AT 9:30 O'CLOCK A.M.

B. H. MATZKE

COUNTY RECORDER

CLARA D. HARDWICK
DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: J. L. Hogue
Address: Ramsey, Mont.

Driller: Harry Malcolm
Address: Ramsey, Mont.

Date of Notice of appropriation of groundwater: Aug. 7, 1965

Type of well: Drilled
Equipment used: Churn drill, rotary or other

Water use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □

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

<table>
<thead>
<tr>
<th>State of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7'</td>
<td>5'</td>
<td>0</td>
<td>50</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 30' feet.

Shut-in Pressure for Flowing Well: 35' feet at 10 gal. per minute.

Pumping Water Level: 35' feet.

Discharge in gal. per min. of flowing well: 25 gal.

How Tested: Drilled

Length of Test: 15'

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

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Show exact depth of bottom.

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA,
BUTTE COUNTY.

FILED THIS 16TH DAY OF
December, A.D. 1945
AT 11:30 O'CLOCK A.M.

CLAUDE F. FLETCHER
COUNTY RECORDER

ELMER J. GREENE
DEPUTY
**Form No. 18**

**T. 6N R. 36E**

**County**

---

**MONTANA BUREAU OF MINES AND GEOLOGY**

**Received**

Butte, Montana

**STATE ENGINEER**

---

**Water Well Log**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Address</td>
</tr>
</tbody>
</table>

**Date Started**

**Date Completed**

**Location:** Sec. - T. - U. R. - E - sec. N.E. - A - W.

**Type of well**

- (Aug, driven, bored, or drilled)

**Equipment used**

- (Drum, drill, rotary, other)

**Water use:**

- Domestic [X]
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other

**Casing:**

- ft. to ft. Type Size
- ft. to ft. Type Size
- ft. to ft. Type Size

**Perforated or screened:**

- Ft. ft. to ft. ft. ft.

**Type of screen or perforations**

**Static water level, for non-flowing well:** feet.

**Shut-in pressure, for flowing well:** lb./sq. in. on: (psi)

**Pumping water level** feet at min.

**How tested:**

**Length of test**

**Remarks:** (Gravel packing, cementing, packers, type of shut-off)

---

(over)
**Water Well Log**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anna Fennec</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.L. Fairbden</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location:</th>
<th>Sec. 7 T.</th>
<th>W R.</th>
<th>6</th>
<th>11</th>
<th>sec. NW 1/4 1/2</th>
</tr>
</thead>
</table>

**Type of well:** (Dug, driven, bored, or drilled)  
**Water use:**  
- Domestic [X]  
- Municipal  
- Stock  
- Irrigation  
- Industrial  
- Drainage  
- Other  

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Perforated or Screened:**  
- Ft. to Ft.  
- Ft. to Ft.  

**Type of screen or perforations:**  

**Static water level, for non-flowing well:** 40 feet.  

**Shut-in pressure, for flowing well:** lb./sq. in. on: (date)  

**Pumping water level:** 65 feet at 2 gal. per min.  

**How tested:**  

**Length of test:** 2.5 hrs.  

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>7</td>
</tr>
<tr>
<td>7</td>
<td>95</td>
</tr>
<tr>
<td></td>
<td>Sandstone</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Form No. 18
8-60

<table>
<thead>
<tr>
<th>T.</th>
<th>R.</th>
</tr>
</thead>
</table>

Count...|

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Water Well Log

<table>
<thead>
<tr>
<th>X</th>
<th>Address</th>
</tr>
</thead>
</table>

Owner
Driller
Date Started
Date Completed
Location: Sec. T. R. sec.

Type of well (Dug, driven, bored, or drilled) Equipment used (Churn, drill, rotary, other)

Water use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ]

Casing: _______ ft. to _______ ft. Type _______ Size _______
Casing: _______ ft. to _______ ft. Type _______ Size _______
Casing: _______ ft. to _______ ft. Type _______ Size _______

Perforated or Screened: Ft. _______ to Ft. _______. Ft. _______ to Ft. _______

Type of screen or perforations

Static water level, for non-flowing well: _______ ft. feet.

Shut-in pressure, for flowing well: _______ lb./sq. in. on: _______.

Pumping water level _______ feet at _______ gal. per min.

How tested:

Length of test

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)
<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>Water Well Log</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. 6N R. 26E</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

**Owner**: Ralph Gibbons  
**Address**: Kimber Montana  
**Driller**: R.H. Ferguson  
**Address**: Kimber Montana  
**Date Started**: May 1957  
**Date Completed**: May 1957

**Location**: Sec. 15 T. 6N R. 26E 1/4 sec. NW 1/4 SW 1/4

**Type of well**: Drilled  
**Equipment used**: (Churn, drill, rotary, other)

**Water use**: Domestic X  
**Municipal**  
**Stock**  
**Irrigation**  
**Industrial**  
**Drainage**  
**Other**

**Casing**: 0 ft. to 16 ft.  
**Type**: Steel  
**Size**: 6"

**Casing**:  
**Type**:  
**Size**:

**Casing**:  
**Type**:  
**Size**:

**Perforated or Screened**: Ft. to Ft.  
**Ft. to Ft.**

**Type of screen or perforations**: 

**Static water level, for non-flowing well**: _____ feet.  
**Shut-in pressure, for flowing well**: _____ lb./sq. in. on: _____

**Pumping water level**: _____ feet at _____ gal. per min.  
**How tested**: _____

**Length of test**: _____

**Remarks**: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 8</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>8 - 26</td>
<td>Sandstone</td>
</tr>
<tr>
<td>26 - 66</td>
<td>Sandstone</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
</tr>
<tr>
<td>2</td>
<td>Charter, Royal</td>
</tr>
<tr>
<td>3</td>
<td>Northern Pacific</td>
</tr>
<tr>
<td>5</td>
<td>Segor, A. D.</td>
</tr>
<tr>
<td>8</td>
<td>Schmieder, Fred</td>
</tr>
<tr>
<td>9</td>
<td>Northern Pacific</td>
</tr>
<tr>
<td>11</td>
<td>Railway Company</td>
</tr>
<tr>
<td>12</td>
<td>Brown, Jim H.</td>
</tr>
<tr>
<td>14</td>
<td>Charley, Boyd</td>
</tr>
<tr>
<td>15</td>
<td>Railway Company</td>
</tr>
<tr>
<td>19</td>
<td>Johnson, Fred</td>
</tr>
<tr>
<td>21</td>
<td>&quot;</td>
</tr>
<tr>
<td>22</td>
<td>Northern Pacific</td>
</tr>
<tr>
<td>30</td>
<td>Magoff Brothers</td>
</tr>
<tr>
<td>30</td>
<td>Magoff Brothers</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: Boyd & Martin  Address: Hyland, Mont.
Driller: Claude Sande  Address: 114 Wieland, Butte, Mont.
Date Started: May 25, 1958  Date Completed: May 27, 1958
Location: Sec. 2 T. 6 R. 27 W. 5

Type of well: Drilled  Equipment used: Electric

Water use:  Domestic [ ]  Municipal [ ]  Stock [ ]  Irrigation [ ]
Industrial [ ]  Drainage [ ]  Other: [ ]

Casing: 0 ft. to 28 ft. Type: Screwed  Size: 8 in.
Casing: 28 ft. to 130 ft. Type: galv.  Size: 6 in.
Casing: 130 ft. to 200 ft. Type: Screwed  Size: 8 in.
Perforated or Screened: Ft. to Ft. Ft. to Ft.
Type of screen or perforations: [ ]

Static Water level, for non-flowing well: feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)
Pumping water level: feet at gal. per min.
How tested: [ ]
Length of test: [ ]
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 8</td>
</tr>
<tr>
<td>8</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>90</td>
</tr>
<tr>
<td>90</td>
<td>100</td>
</tr>
<tr>
<td>100</td>
<td>110</td>
</tr>
<tr>
<td>110</td>
<td>120</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1914

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. Springs, used since 1914:

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 on rights flows 5 gallons per minute. Spring on section flows 5 gallons per minute.

Measured over a period of time:

Signature of Owner:
Dist. Supervisor, Gaz. & 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.
STATE OF MONTANA,
MUSSEL SHELL COUNTY,

FILED THIS 14TH DAY OF

NOV. A. D. 19

AT 2:10 O'CLOCK P.M.

B. H. MAZUR
COUNTY RECORDER

DEPUTY

6/12/23
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. A. D. and Max Seger, of Roundup
   (Name of Appropriator) (Address) (Town)
   County of Musselshell, 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: 1925 and continuously thereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 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: Located in SE1/4, Sec. 5, T.6N., R.27E.

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

8. The depth of water table: Natural flowing spring.

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: Natural flowing spring.

10. The estimated amount of groundwater withdrawn each year: 250,000 gal. per year

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: not applicable.

Signature of Owner: A. D. Seger.
Date: July 24, 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.
STATE OF MONTANA, 
MUSSELHELL COUNTY

FILED THIS 22 DAY OF 
JULY A.D. 1963
AT 3 O'CLOCK A.M.

B. H. MATZKE 
COUNTY RECORDER

ELIZABETH L. BASSAN
DEPUTY

168373
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: 1910

Owner: Fred H. Johnson, Address: R1W2, Bill, Mont.

Contractor (if any)

Address of Contractor

Date Started: 1910 Date Completed: 1911

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

Natural flow with

Storage: Depth: 4-10

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:

Continuous use.

Quantity of water: 100, 88

and from 4-10 deep.

Indicate point of appropriation

and place of use, if possible.

SE¼ SESec. 8, T.6 R.27

Signature of Owner: Fred H. Johnson

Date: Dec. 31, 1963

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

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

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

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

20530
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...1914.
Owner, Nor. Pac. Ry. Co. Address, St. Paul, Minn.
Contractor (if any) ..........................................................
Address of Contractor ..................................................
Date Started .......................................................... Date Completed ..................................................
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable...Spring, used since 1914....
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 6 gallons per minute, measured over a period of time.

Northern Pacific Railway Company
Signature of Owner.. By.. D.B. Emmons
Dist. Supervisor, Graz. and Cult.
Date. ..........................................................

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

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

**Northern Pacific Railway Company**, of N.P. Office, Eldo, St. Paul, Minn.

<table>
<thead>
<tr>
<th>County of Ramsey</th>
<th>State of Minnesota</th>
</tr>
</thead>
</table>

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

1. Declaration of Vested Groundwater Rights

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

**County of Ramsey, State of Minnesota**

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 1956.**

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **Drilled in 1965. Completed Aug. 12, 1966.**

8. The depth of water table. **110 feet.**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. **200 feet deep. 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. **0-20' grey shale; 60-85' sandrock; 85-115' blue shale; 115-165' fine sandrock; 165-180' shale; 180-186' coal and water; 186-200' 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 Co.**

*Signature of Owner*

*Dist. Supervisor, Griz. & 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.

1067
STATE OF MONTANA
MUSKELONGE COUNTY

FILED THIS 14TH DAY OF

A.D. 1963

AT 2 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

Deputy

168917
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 Musselshell State of Montana

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

1. (Name of Appropriator) Brown

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 December 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.
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boyd Choute</td>
<td>Sheep Dip, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clyde Sandon</td>
<td>Bell, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>August 26th</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Sec.</th>
<th>T.</th>
<th>R.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>14</td>
<td>6</td>
<td>27E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Cable</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock [x]</td>
<td></td>
</tr>
<tr>
<td>Irrigation [x]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 32 ft.</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
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<tbody>
<tr>
<td>0 ft. to 413 ft.</td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>6 ft. to 10 ft.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>6 ft. to 10 ft.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>feet.</th>
</tr>
</thead>
</table>

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

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

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

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 20</td>
</tr>
<tr>
<td>20</td>
<td>245</td>
</tr>
<tr>
<td>245</td>
<td>265</td>
</tr>
<tr>
<td>265</td>
<td>343</td>
</tr>
</tbody>
</table>
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: 1914.


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.

Springs, used since 1914...

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 on NE1/4 flows 3 gallons per minute. Spring on SW1/4 flows 3 gallons per minute.

Measured over a period of time.

Northern Pacific Railway Company
Signature of Owner: L. W. Taken
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.
Mr. Fred H. Johnson, owner of the following sections, and appropriator for water rights filed on same Dec. 31, 1971, was in my office checking the filings and informed me that the location of the wells are both in error. According to statute 89-2913, revised codes of 1947, these filings may be returned to county clerks for correction. This may not be necessary as the locations are in the correct sections, township, and range by description, but are located in the wrong part of said section. There are no other wells in either section, so can see no problem by the present descriptions. He wished for me to endeavor to have same corrected and I informed that I would contact your office for procedure. Will write an affidavit from Mr. Johnson that may suffice for your correcting same without returning to my office. If permissible, inform me and corrections will be made here.

I, Claude F. Fletcher, duly elected, qualified, and acting county clerk and recorder of Musselshell County, Montana do hereby certify that Mr. Fred H. Johnson, appropriator and owner of the wells on the following described property. Section 1, Twp. 6, Range 26, filed Dec. 31, 1963 at 1:25 P.M. Location of well should be directly south 1 mile on south line of SW¼, rather than NW¼. Also section 16, Twp. 6, Range 27, should be in NW¼ on north line 1 mile north of location on file in SW¼. Our numbers on these filings are Sec. 1-169682, filed Dec. 31, 1963 at 1:25 P.M. & Sec. 16, filed Dec. 31, 1963 at 1:27 P.M. No. 169683.

Dated at Roundup, Montana this 27th day of April, 1971.

Claude F. Fletcher
County Clerk & Recorder
Musselshell County, Montana
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1962)

1. State of Montana
   Montana Code
   Office of State Engineer

2. DECLARATION OF VESTED GROUNDWATER RIGHTS

   (Under Chapter 237, Montana Session Laws, 1962)

1. Name of Appropriator: John Doe

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been: April 28, 1933 (Continued)

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 gal/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: Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Completed: April 28, 1933

8. The depth of water table: 45'

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: 160,000 gal.

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 count record.

Signature of Owner: John Doe

Date: Dec. 31, 1963

168 - 178 Coral
178 - 190 Light Gray Shale
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1910

Owner: Fred H. Johnson
Address: Rt. 3 Bill, MT

Contractor (if any):
Address of Contractor:

Date Started: 1910
Date Completed: 1910

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

- Natural flow with Dam 4-10' Depth
  
- Natural flow with Dam 4-10' Depth

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:

- Continuous use, Body of water 6'-40', 6'-8', Deep
- Continuous use, Body of water 15'-50', 4'-10', Deep

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

Signature of Owner: Fred H. Johnson
Date: Dec. 31, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
RUSSEL SHELL COUNTY

FILED THIS 31 DAY OF
December, 1942
AT 1:30 P.M.
R. H. MATZKE
COUNTY RECORDER

$6.00
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: 1914

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 1914.

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.

Northern Pacific Railway Company
Signature of Owner: By [Signature]
Dist. Supervisor, Grdz. & 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.
STATE UP MONTANA
MUSSELSHELL COUNTY

FILED THIS ______________ DAY OF
______, ________ A.D. 19__
at ______________ O’CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

______________ DEPUTY
STATE OF MONTANA
ADMINISTRATION OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator
   (Addres/s) (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 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.

20645
STATE OF MONTANA,
MUSSELSHELF COUNTY.

FILED THIS 31st DAY OF
December A. D. 1863
AT 3:15 O'CLOCK P. M.

COUNTY RECORDER

DEPUTY
<table>
<thead>
<tr>
<th>Owner</th>
<th>Miggitt Bros.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Clyde Sands</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 30 T 6 N R 27 E 4 sec</td>
</tr>
<tr>
<td>Type of well</td>
<td>Cased/Drilled</td>
</tr>
<tr>
<td>Equipment</td>
<td>Cased</td>
</tr>
<tr>
<td>Water use</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Perforated</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Screen</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Static Water level</td>
<td>144 feet</td>
</tr>
<tr>
<td>Shut-in pressure</td>
<td>lb/sq. in. on</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>260 feet at 10 gal. per min</td>
</tr>
<tr>
<td>How tested</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

Field Deprived from 160 ft. Drilled Feb 18 1953.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>100</td>
<td>260 gey shale</td>
</tr>
<tr>
<td>well deepened from 160 ft.</td>
<td></td>
</tr>
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</table>
## GROUNDWATER INDEX

**County**: Musselshell  
**Twp.**: 6N  
**Rge.**: 28E

<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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<tbody>
<tr>
<td>2</td>
<td>Smelting, Sam</td>
<td>JWY</td>
<td>57008</td>
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</tr>
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<td>2</td>
<td>Turley, Gerald</td>
<td>JWY</td>
<td>57006</td>
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<tr>
<td>2</td>
<td>Roen, Glen</td>
<td>JWY</td>
<td>169599</td>
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<td>3</td>
<td>Turley, Gerald</td>
<td>JWY</td>
<td>57006</td>
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<tr>
<td>5</td>
<td>Northern Pacific Railway Co.</td>
<td>JWY</td>
<td>16911</td>
<td></td>
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<td>6</td>
<td>Brown, Jim &amp;</td>
<td>JWY</td>
<td>169793</td>
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<td>Mattoon, C. J.</td>
<td>JWY</td>
<td>169317</td>
<td></td>
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<tr>
<td>9</td>
<td>Northern Pacific Railway Company</td>
<td>JWY</td>
<td>16910</td>
<td></td>
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<td>10</td>
<td>Brown, Jim</td>
<td>JWY</td>
<td>169792</td>
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</tr>
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<td>11</td>
<td>Smelting, Sam</td>
<td>JWY</td>
<td>57006</td>
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<tr>
<td>11</td>
<td>&quot;</td>
<td>JWY</td>
<td>169595</td>
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</tr>
<tr>
<td>11</td>
<td>Roen, Glen</td>
<td>JWY</td>
<td>169596</td>
<td></td>
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<td>&quot;</td>
<td>JWY</td>
<td>169594</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>&quot;</td>
<td>JWY</td>
<td>169597</td>
<td></td>
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<tr>
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<td>&quot;</td>
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<td>169600</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Smelting, Sam</td>
<td>JWY</td>
<td>57006</td>
<td></td>
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<tr>
<td>12</td>
<td>&quot;</td>
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<td>169598</td>
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<tr>
<td>13</td>
<td>Roen, Glen</td>
<td>JWY</td>
<td>169598</td>
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</tr>
<tr>
<td>13</td>
<td>Smelting, Sam</td>
<td>JWY</td>
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<td></td>
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<tr>
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<td>Smelting, Sam</td>
<td>JWY</td>
<td>184328</td>
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<td>18</td>
<td>&quot;</td>
<td>JWY</td>
<td>184329</td>
<td></td>
</tr>
</tbody>
</table>
Form No. 18
8-60

T. 57 R. 28E
County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Owner: Sam Spading
Address: Musselshell

Driller: Anderson Drilling Co.
Address: Billings

Date Started: July 20, 1946
Date Completed: July 26, 1946
Location: Sec. 2 T. 57 R. 28E 1/4 sec. SW.

Type of well drilled: Gravel
Equipment used: churn drill

Water use: Domestic X
          Municipal
          Stock X
          Irrigation
          Industrial
          Drainage
          Other

Casing: 0 ft. to 210 ft. Type galvanized Size 6 in.
Casing: __________ ft. to __________ ft. Type __________ Size __________
Casing: __________ ft. to __________ ft. Type __________ Size __________

Perforated or screened: Ft. 180 to Ft. 189. Ft. __________ to Ft. __________

Type of screen or perforations: galvanized screen casing

Static water level, for non-flowing well: 150 feet.
Shut-in pressure, for flowing well: __________ lb./sq. in. on: __________

Pumping water level: 150 feet at 12 gal. per min.

How tested: boiler tested

Length of test: 60 min.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Gerald E. Turley  Address: Musselshell
Driller: Louis Corbitt  Address: Bagg
Date Started: June 55  Date Completed: July 55

Location: Sec. 1  T. 6N  R. 28W  1/4 sec. 1W

Type of well: Drilled
(Equipment used: Churn drill, rotary, other)

Water use: Domestic  Stock  Irrigation
Industrial  Municipal  Other:

Casing: Surface: ft. to 180 ft.  Type: Steel  Size: 6 in.
Casing: ft. to ft.  Type: Size:
Casing: ft. to ft.  Type: Size:

Perforated or Screened: Top to Bottom:
Type of screen or perforations: Drilled

Static Water level, for non-flowing well: feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)
Pumping water level: 100/100 feet at 12 gal. per min.

How tested: Bailed
Length of test: 90 minutes

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

好的井

(over)
<table>
<thead>
<tr>
<th>Depth, ft.</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>I. Alternate layers of 6 to 12 ft of chalk &amp; sandstone.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Some coal, fire or bit.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Feet from 10 ft very hard.</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1941)

Name of Appropriator: John K. Brown
Address: 123 Main St, Bozeman, MT
Town: Bozeman
County of: Gallatin
State of Montana

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

1. The beneficial use on which the claim is based: Irrigation

2. Date or approximate date of earliest beneficial use, and how continuous the use has been: July 1, 1941

3. Amount of groundwater claimed (in miner's inches or gallons per minute): 12 gpm

4. The type, size and depth of each well or the general specifications of any other works for withdrawal of groundwater: 100 ft deep, 6 in diameter

5. The estimated amount of groundwater withdrawn each year: 1,200 cfs

6. The log of formations encountered in the drilling of each well if available: Sand, silt, clay

7. 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 count record:

Signature of Owner: John K. Brown
Date: Dec. 21, 1941
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

**Owner:** Gerald E. Turner
**Address:** Musselshell
**Driller:** Anderson
**Address:** Billings

**Date Started:** Date Completed: 1967

**Location:** Sec. 3 T. 6 N. R. 28 E. sec. Central Section

**Type of well:** Drilled
**Equipment used:** Churn drill

**Water use:** Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]
**Industrial [ ]**
**Drainage [ ]**
**Other: [ ]**

**Casing:**
- Steel ft. to ft.
- Surface ft. to 110 ft.

**Perforated or Screened:** Pt. to ft. to ft.
- Type of screen or perforations:

**Static Water level:** Starts at 60 ft. feet.

**Shut-in pressure:** for flowing well: lb./sq. in. on: (date)

**Pumping water level:** feet at gal. gal. per min.

**How tested:** well pump

**Length of test:** Several hours

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>Alternate shale sandstone</td>
<td></td>
</tr>
<tr>
<td>layer of coal</td>
<td></td>
</tr>
<tr>
<td>Before I owned</td>
<td></td>
</tr>
<tr>
<td>Same</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1912

Owner: Northern Pacific Railway Company
Address: St. Paul, Minn.

Contractor (if any): N/A
Address of Contractor: N/A

Date Started: N/A
Date Completed: N/A

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 1912.

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

Springs flows 2 gallons per minute, measured over a period of time.

Northern Pacific Railway Company
Signature of Owner: [Signature]
Dist. Supervisor, Graz. & Cult.

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: | 1912 |
| Owner: Northern Pacific 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 1912.

<table>
<thead>
<tr>
<th>Description of Means of Obtaining Groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sub-irrigation and other natural processes</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Quantity of Water Developed and Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring flows 2 gallons per minute, measured over a period of time</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Signed: Northern Pacific Railway Company</th>
</tr>
</thead>
<tbody>
<tr>
<td>Signature of Owner: By Dist. Supervisor, Gras. &amp; Cult.</td>
</tr>
</tbody>
</table>

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.

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<table>
<thead>
<tr>
<th>Number of Grid</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td></td>
</tr>
<tr>
<td>E</td>
<td></td>
</tr>
<tr>
<td>S</td>
<td></td>
</tr>
<tr>
<td>W</td>
<td></td>
</tr>
</tbody>
</table>

Indicate point of appropriation and place of use, if possible.
STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS _______ DAY OF
______ A.D. 19___
AT _______ O'CLOCK P.M.

B. H. MAITZKE
COUNTY RECORDER.

[Signature]
DEPT. IV
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Jim H. Brown, of Roundup, 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: 1916, Continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gal 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: N/A.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1916.

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: N/A.

10. The estimated amount of groundwater withdrawn each year: 300,000 gallons.

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

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: N/A.

Signature of Owner: [Signature]
Date: December 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
MUSSELBURG COUNTY

FILED THIS 31 DAY OF
DEC 63

AT 9:52 O'CLOCK A.M.

COUNTY RECORDER

[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: M.A. Allaloo
   Address: Jefferson
   County: Musselshell
   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: Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1917, Wyoming fire stock

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Shout know at Water Box
   Underaged 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: Just for Live stock

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Gas cylinder and 2½ x cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Fall of 1917

8. The depth of water table: 90 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 2½ x
   Earings: 90 feet deep

10. The estimated amount of groundwater withdrawn each year: Don't know

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

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: M.A. Allaloo
Date: Dec 19, 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.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Northern Pacific Railway Company, of N.P. Office Bldg, St. Paul, Minn.

County of Ramsey
State of Minnesota

I 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: Furnishing water for livestock.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continuous since 1942.
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gallons per minute.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: None.
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pump.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Drilled in 1942.
8. The depth of water table: 150 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: 140 feet deep - 6-inch casing.
10. The estimated amount of groundwater withdrawn each year: ____________________________
11. The log of formations encountered in the drilling of each well if available: No log available.
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: No other information available.

Northern Pacific Railway Company
Signature of Owner: ____________________________
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 Geography; Quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSEL SHELL COUNTY,

FILED THIS 14TH DAY OF
JANUARY, A. D. 1963
AT 5 O'CLOCK P.M.

B. H. MAIZKE
COUNTY RECORDER

S. J. REESE
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. Jim H. Brown, of Roundup
   (Name of Appropriator) (Address)
   County of Mussel Shoals 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: Spring

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1910
   Continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 gal. 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:
   Stockwater flows naturally and used for

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1900

8. The depth of water table: Ground level

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:
   Stockwater flows naturally and used for

10. The estimated amount of groundwater withdrawn each year: 408,000 gallons

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: [Signature]
Date: December 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
MUSSELSHELL COUNTY

FILED THIS 31 DAY OF
DEC. 1963

AT 5:50 O'CLOCK P.M.

COUNTY RECORDER
FRANCES L. DAWSON
CLERK
Form No. 18 8-60

County: Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Water Well Log

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Musselshell</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date Started: 1914 Date Completed: 

Location: Sec. 11 T.6N R. 28E ½ sec. 662

Type of well: hand dug Equipment used:

Water use: Domestic [ ] Municipal [ ] Stock [X] Irrigation [X]

Industrial [ ] Drainage [ ] Other [ ]

Casing: 0 ft. to 25 ft. Type sand rock Size 6 ft.

Casing: ______ ft. to ______ ft. Type ______ Size ______

Casing: ______ ft. to ______ ft. Type ______ Size ______

Perforated or screened: Ft. ______ to Ft. ______. Ft. ______ to Ft. ______

Type of screen or perforations:

Static water level, for non-flowing well: ______ ft. feet.

Shut-in pressure, for flowing well: ______ lb./sq. in. on: ______ (days)

Pumping water level ______ feet at ______ gal. per min.

How tested: ________ hours.

Length of test 6 hr.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Irrigation as for a garden.

(over)
Form No. 18  
A-60

COUNTY: Musselshell

STATE ENGINEER

Driller: Anderson Drilling Co.  
Address: Billings

Date Started: September 14, 1943  
Date Completed: Sept. 16, 1943

Location: Sec. 11 T. 6N R. 26E  
Sec. 62

Owner: Sam Smeding  
Address: Musselshell

Type of well drilled  
(Deep, driven, or drilled)  
(Churn drill, rotary other)

Equipment used  
(Churn drill)

Water use  
Domestic [X]  
Municipal [ ]  
Irrigation [ ]  
Irrigation [ ]

Industrial [ ]  
Drainage [ ]  
Other [ ]

Casing: 0 ft. to 40 ft.  
Type: steel  
Size: 6 in.

Casing: 40 ft. to 67 ft.  
Type: sand rock  
Size: 6 in., hole

Casing: 67 ft. to 84 ft.  
Type:   
Size:

Perforated or screened: Ft. to Ft. to Ft. to Ft.

Type of screen or perforations  

Static water level, for non-flowing well: 30 feet.

Shut-in pressure for flowing well:   lb. /sq. in. on:   (date)

Pumping water level: 60 feet at 20 gal. per min.

How tested: pump

Length of test: 6 hr.

Remarks: (ravel packing, cementing, packers, type of shut-off, depth of shut-off)