<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-16</td>
<td>Clay</td>
</tr>
<tr>
<td>16-26</td>
<td>Sand, gravel</td>
</tr>
<tr>
<td>26-48</td>
<td>Soft Blue Clay</td>
</tr>
<tr>
<td>48-77</td>
<td>Course Sand, Gravel</td>
</tr>
<tr>
<td>77-78</td>
<td>Gravel</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1963)

1. Olaf J. Sandvik
   (Name of Appropriator)
   of
   (Address)
   (Town)

County of Valley

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: household and livestock use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: About May 1942 and has been in continuous use.

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

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

6. The means of withdrawing such water from the ground, and the location of each well or other means of withdrawal: Withdrawn by electric cylinder pump (well #1) and electric jet pump (both located in Section 26, T 27 N R 44 W). Water withdrawn by electric cylinder pump and electric jet pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Reconstructed in June 1966 and on June 1968.

8. The depth of water table: Well No. 1 is 56 feet; Well No. 2 is 87 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of groundwater: Well No. 1 has 4 inch casing, depth is 56 feet; Well No. 2 has 4 inch casing, depth is 87 feet; water withdrawn by electric cylinder pump and electric jet pump.

10. The estimated amount of groundwater withdrawn each year: 500,000 gallons.

11. The log of formations encountered in the drilling of each well if available: 0 to 6 Hard Pan; 6 to 21 Sand and Heavy Gravel; 21 to 32 Clay; 32 to 39 Sand; 39 to 47 Clay; 47 to 48 Gravel; 48 to 49 Clay; 49 to 67 Sand and Gravel; 67 to 82 Blue Clay, 82 to 84 Rock; 84 to 87 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.

Signature of Owner: Olaf J. Sandvik

Date: December 20, 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 to the Appropriator.
MONTANA BUREAU OF MINES AND GEOLGY  
Butte, Montana  

WATER WELL LOG  

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>N. T. Company</td>
</tr>
<tr>
<td>Address</td>
<td>Farozgo</td>
</tr>
<tr>
<td>Driller</td>
<td>C. P. 448</td>
</tr>
<tr>
<td>Address</td>
<td>5500</td>
</tr>
<tr>
<td>Date Started</td>
<td>2/27</td>
</tr>
<tr>
<td>Date Completed</td>
<td>4/28/41</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 23, T. 37, R. 44, 1/4 sec NE</td>
</tr>
<tr>
<td>Type of well</td>
<td>Domestic</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Gravel</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Industrial</td>
<td>No</td>
</tr>
<tr>
<td>Municipal</td>
<td>Yes</td>
</tr>
<tr>
<td>Stock</td>
<td>No</td>
</tr>
<tr>
<td>Irrigation</td>
<td>No</td>
</tr>
<tr>
<td>Casing: Top to 55 ft.</td>
<td>Type 6</td>
</tr>
<tr>
<td>Size</td>
<td>4</td>
</tr>
<tr>
<td>Casing: 55 ft. to 150 ft.</td>
<td>Type 6</td>
</tr>
<tr>
<td>Size</td>
<td>4</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>70 ft.</td>
</tr>
<tr>
<td>Feet</td>
<td>100</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Gravel</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
<td>1/4 feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>16 lb/sq.in.</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>160 feet at 16 gal. per min</td>
</tr>
<tr>
<td>How tested</td>
<td>Drain test</td>
</tr>
<tr>
<td>Length of test</td>
<td>4 days</td>
</tr>
<tr>
<td>Remarks:</td>
<td>Gravel packing, cementing, packers, type of shut-off, depth of shut-off</td>
</tr>
</tbody>
</table>

(over)
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Casing: Top</td>
<td>ft to 75</td>
<td>ft</td>
<td>Type</td>
<td>Size</td>
<td>ft to 150</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>Casing: Top</td>
<td>ft to</td>
<td>ft</td>
<td>Type</td>
<td>Size</td>
<td>ft</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>Ft to</td>
<td>Ft</td>
<td>Type</td>
<td>Size</td>
<td>Ft to</td>
<td>Ft</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>feet</td>
<td>464</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb/sq in. on</td>
<td></td>
<td>(date)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>feet at 10</td>
<td>gal per min</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Pumping</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>340</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0 – 10</td>
<td>Clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10 – 20</td>
<td>Sand and gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 – 30</td>
<td>Fine Blue Clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>30 – 70</td>
<td>Lee - Type Sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>70 – 120</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>14</td>
<td>Clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>26</td>
<td>Sandy Gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>62</td>
<td>Silt Blue Clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>62</td>
<td>64</td>
<td>Course Sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>72</td>
<td>78</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Log of Well**

STATE OF MONTANA

**By**

[Signature]

Aug 2, 1931

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

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

1. Noel R. Banks of Zampa
   (Name of Appropriator) (Address) (Town)
   County of Valley 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: House, and Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been prior to 1946 and continuous since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 65 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: 64% of 60.33, T. 27 N., R. 44 E. M.P.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: House, and Irrigation well by Noel R. Banks

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Not available, but prior to 1946

8. The depth of water table: 36 meters and 45 inches

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: House well 2 inch in diameter, 2.4 feet deep, 20 feet covered with 210 gallons per cubic foot. Irrigation well 3 inch in diameter, 2.4 feet deep, 20 feet covered with 210 gallons per cubic foot

10. The estimated amount of groundwater withdrawn each year: 236,000 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: None

Signature of Owner: Noel R. Banks
Date: Dec. 8, 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

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

Name of Appropriator: Roman Catholic Bishop of Great Falls
Address: Catholic Church, of Great Falls
Town: Frazer, Montana
County: Valley
State: Montana

The beneficial use on which the claim is based

1. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   
   4/28/57

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

3. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   
   3 acres of land, owner Roman Catholic Bishop of Great Falls

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

5. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   
   4/28/57

6. The depth of water table
   
   60 feet

7. 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, 4 inch diameter, 80 feet depth

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

9. The log of formations encountered in the drilling of each well if available
   
   0-7 ft humus; 7-17 clay; 17-41 ft sand; 41-53 ft clay; 53-70 ft sand; 70-90 ft very fine gravel & sand

10. 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

11. Name of Appropriator, Title, and Address
   
   Roman Catholic Bishop of Great Falls
   
   Rev. Patrick J. O’Reilly, Pastor
   
   Date: April 16, 1961

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

### Owner: 
Address: 

### Driller:  
Address:  

### Date Started:  
Date Completed:  

### Location: Sec. 74 T. 27 R. 46 E. 1/4 sec. N. W. 1/4

### Type of well  
Equipment used:  

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

### Casing  
Top:  ft. to  ft.  Type  Size  
Middle:  ft. to  ft.  Type  Size  
Bottom:  ft. to  ft.  Type  Size  

### Perforated or Screened:  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)

![Image](image-url)
**MONTANA BUREAU OF MINES AND GEOLOGY**

**WATER WELL LOG**

**Owner:** Montana Spring

**Address:**

**Driller:** Carl Palmer

**Address:**

**Date Started:** 5/18

**Date Completed:** 8/11/68

**Location:** Sec 24

**Type of well:** Drilled

**Equipment used:** Drilled

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

**Industrial [ ] Drainage [ ] Other:**

**Casing:**

- Ft. to: 23 ft.
- Type: Galv. Ht. Size: 2 1/2 x 6

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

- Ft. to:
- Type:
- Size:

**Type of screen or perforations:**

**Static Water level, for non-flowing well:**

**Shut-in pressure, for flowing well:**

**Pumping water level:**

**How tested:**

**Length of test:**

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

---

---
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 11</td>
<td>F.I.T</td>
</tr>
<tr>
<td>11 - 17</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>17 - 25</td>
<td>Sandy + 6% gravel</td>
</tr>
<tr>
<td>25 - 65</td>
<td>Sandy Blue Clay</td>
</tr>
<tr>
<td>65 - 75</td>
<td>Concrete Sand</td>
</tr>
<tr>
<td>70 - 79</td>
<td>&quot;&quot;</td>
</tr>
<tr>
<td>79 -</td>
<td>&quot;&quot;</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, 1981)

Edward R. Lane, 2929 Montana

County of Kalispell, State of Montana

Have appropriated groundwater, according to the Montana laws in effect prior to January 1, 1983, 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Edward R. Love

1. Name of Appropriate (Address)
   of (Town)

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.
STATE OF MONTANA, \{ in
County of Valley.
Filed for record.

MAY 2, 1963

10:30 a.m.

Mary Jane Siska
County Recorder

Diane Brandt
Deputy
# WATER WELL LOG

**Owner:** Carly C. Elison  
**Address:**  
**Type:**  

**Driller:** Carl Patten  
**Address:**  
**Type:**

**Date Started:** 6/5/60  
**Date Completed:** 6/7/60  
**Location:** Sec. 11, T14N, R15W, 9th P.

## Type of well
- **(Diig, driven, bored, or drilled)**  
- **(Chim drill, rotary, other)**

## Water use
- **Domestic** □  
- **Municipal** □  
- **Stock** □  
- **Irrigation** □  
- **Industrial** □  
- **Drainage** □  
- **Other** □

## Casing
- **2 ft. to 75 ft.**  
- **Type:**  
- **Size:**  
- **Other:**

## Perforated or Screened
- **Ft. to Ft.**  
- **Type:**  
- **Size:**  

## 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)
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Elev. above sea level: 1970)</td>
</tr>
<tr>
<td>0-4 Sandy Top Soil</td>
</tr>
<tr>
<td>4-12 Blue Clay</td>
</tr>
<tr>
<td>12-20 Sand + Gravel</td>
</tr>
<tr>
<td>20-62 Sandy Blue Clay</td>
</tr>
<tr>
<td>62-69 Coarse Water Sand</td>
</tr>
<tr>
<td>69-70 Gravel + Water Sand</td>
</tr>
</tbody>
</table>

Owner: Clifford Long
Address: Fm 224, 70
Driller: Carl Palm
Address: 5200

Date of Notice of Appropriation of Groundwater: 8/11/62
Date well started: 8/20
Date completed: 8/31/62

Type of well: Drilled
Equipment Used: Churn
(Ung. driven, bored or drilled)

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>Size of Drilled Hole</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 1/2 x 26</td>
</tr>
<tr>
<td>6 1/2 x 18</td>
</tr>
</tbody>
</table>

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested: Pumping
Length of Test: 6 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)

Static Water Level for non-flowing Well: 42 feet

Pumping Water Level: 45 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Pumping
Length of Test: 6 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)

Show exact depth of bottom.

Driller'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. Ralph D. and Mildred Long, of __________, (Name of Appropriate) (Address) Town

County of Valley 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

   Household, lawn and garden

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

   June 1953

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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. (2) 20 acres

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

   Hollow Well Drilled on July 7, 1958

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

   Commenced June 1953

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

   70 ft deep with 5 in. 1/2 casing

10. The estimated amount of groundwater withdrawn each year

    900 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. We have no more information.

    Ralph D. Long

    Signature of Owner: Mildred D. Long

    Date: March 3, 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 School of Mines and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Otrembo, Joseph</td>
<td>GW N</td>
<td>438364</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Dubois, Ludwig</td>
<td>GW 3</td>
<td>19888</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Wallace, David A.</td>
<td>GW 3</td>
<td>199777</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>Redstone, Pearl</td>
<td>GW N</td>
<td>436077</td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>Yarrell, A.</td>
<td>GW 3</td>
<td>437777</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>Talbot, David</td>
<td>GW 2</td>
<td>80280</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>Wolfe, Land and</td>
<td>Live stock</td>
<td>475374</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>Fleck, Allen</td>
<td>Live stock</td>
<td>491375</td>
<td></td>
</tr>
<tr>
<td>54</td>
<td>&quot;</td>
<td>Wall corp</td>
<td>426164</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>&quot;</td>
<td>Corp.</td>
<td>463190</td>
<td></td>
</tr>
<tr>
<td>55</td>
<td>Great Northern P.R.</td>
<td>GW N</td>
<td>435185</td>
<td>Xero A</td>
</tr>
<tr>
<td>65</td>
<td>Talbot, David</td>
<td>GW 2</td>
<td>19483</td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>Pink, Richard</td>
<td>GW 2</td>
<td>80650</td>
<td></td>
</tr>
</tbody>
</table>
# Declaration of Vested Groundwater Rights

(Under Chapter 2-17, Montana Session Laws, 1961)

## 1. Name of Appropriae

<table>
<thead>
<tr>
<th>Joseph Ostroma</th>
</tr>
</thead>
</table>

## 2. County of Discovery

<table>
<thead>
<tr>
<th>Valley</th>
</tr>
</thead>
</table>

## 3. Town

<table>
<thead>
<tr>
<th>Wolf Point</th>
</tr>
</thead>
</table>

## 4. Declaration of Vested Groundwater Rights

I, Joseph Ostroma, of Wolf Point, in the County of Valley, State of Montana, do hereby declare that I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>Watering Livestock</th>
</tr>
</thead>
</table>

## 5. Beneficial Use

The beneficial use on which the claim is based is:

<table>
<thead>
<tr>
<th>Watering Livestock</th>
</tr>
</thead>
</table>

## 6. Expiration Date

The date or approximate date of earliest beneficial use, and how continuing the use has been:

<table>
<thead>
<tr>
<th>Date of Expiration</th>
</tr>
</thead>
</table>

## 7. Amount of Groundwater Claimed

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

<table>
<thead>
<tr>
<th>Gallons per Minute</th>
</tr>
</thead>
</table>

## 8. Use for Irrigation

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

<table>
<thead>
<tr>
<th>Acreage and Description</th>
</tr>
</thead>
</table>

## 9. Means of Withdrawal

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

<table>
<thead>
<tr>
<th>Flowing Spring</th>
</tr>
</thead>
</table>

## 10. Date of Commencement and Completion

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

<table>
<thead>
<tr>
<th>Flowing Spring</th>
</tr>
</thead>
</table>

## 11. Depth of Water Table

The depth of water table:

<table>
<thead>
<tr>
<th>Close out of ground</th>
</tr>
</thead>
</table>

## 12. General Specifications

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:

<table>
<thead>
<tr>
<th>General Specifications</th>
</tr>
</thead>
</table>

## 13. Estimated Amount of Groundwater Withdrawn

The estimated amount of groundwater withdrawn each year:

<table>
<thead>
<tr>
<th>Not Applicable</th>
</tr>
</thead>
</table>

## 14. Log of Formations

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

<table>
<thead>
<tr>
<th>Not Applicable</th>
</tr>
</thead>
</table>

## 15. Similar Information

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:

<table>
<thead>
<tr>
<th>Not Applicable</th>
</tr>
</thead>
</table>

## Signature

Signature of Owner: **Joseph Ostroma**

Date: **December 15, 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 Appropriae.
STATE OF MONTANA,

County of Valley

Joseph Streitsack, having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Joseph Streitsack

Subscribed and sworn to before me, this 16th day of Dec., 1943.

Ben J. Oakland
Notary Public for the State of Montana.

Residing at Glendive, Montana.

My Commission expires March 15, 1946.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

I, Joseph Olombe, of Wolf Point, 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: Watering Livestock

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

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

not applicable

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

Flowing spring

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:

flows out of ground

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:

not applicable

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: [Signature]
Date: December 13, 1965

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:

Owner:

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.

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. Flood Water from Oswego Creek.

Signature of Owner:

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.

File No. MONONIANA WATER RESOURCES BOARD
TRIPlicate RECEIVED
JAN 2 1963

T 27 N R 45 E
County Valley

INDIAN WY

N

51.28

51.28

NE 1/4
Sec. 15 T 27 R 45-

Indicate point of appropriation and place of use, if possible.
STATE OF MONTANA, County of Valley,Filed for record

DEC 29 1967

at 3:45

Mary Lou Cole
County Clerk

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

Date of Appropriation of Groundwater:
Owner: David A. Tollefson Address: Oswego, Mont.
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.

______________________________________________________

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. __________

or flood from rain. From water

that comes down Oswego Creek.

______________________________________________________

Signature of Owner: David A. Tollefson
Date: Dec. 18, 1967

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Pearl Redman of Lewistown, Montana
   (Name of Appropciator)
   County of
   (Address)
   State of
   (Town)
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

   Home use

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

   October 13, 1957

   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:

   Electric pump

   NE 4 SW Sec 26, T. 27 N., R. 45

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

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

   October 13, 1957 - October 13, 1957 for one well

   August 10, 1939 - August 10, 1939 for the other.

   8. The depth of water table:

   71' for new well and 54' for old well, 35' from top.

   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 9" only. 71' for new well and

   54' for old well.

   10. The estimated amount of groundwater withdrawn each year:

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

   For information see Carl Palm, Saco, Montana for new well, and for old well, see Fort Peck Indian Agency, Poplar, 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: Carl Redman
   Date: 11/17/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA, ss.
County of Valley.
Filed for record.
JUL 18 1963

[Signatures and notations]

By [Notary Public]
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

DECLARATION

1. **Name of Appropriate**
   - Alice J. Yandel

2. **Address**
   - 318 Bench Blvd, Billings

3. **County of**
   - Yellowstone

4. **State of**
   - Montana

5. **Location**
   - have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>S.E. 1/4</th>
<th>NW 1/4</th>
<th>Sec 26 T.22 R.45</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

6. **Point of Appropriation**

7. **Date of earliest beneficial use**
   - July 24, 1961

8. **Amount of groundwater claimed** (in miner's inches or gallons)
   - 100 gal per minute

9. **Type and depth of each well or the general specifications of any other works for the withdrawal of groundwater**
   - Drilled well, 60 ft

10. **Estimated amount of groundwater withdrawn each year**
    - 500,000 gals

11. **Date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**
    - Aug 10, 1961

12. **Date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**
    - Aug 10, 1961

**Signature of Owner**

Alice J. Yandel

Date: Sept 8, 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.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: David A. Balloch
Address: General, Montana

Driller: Bruce Johnson
Address: 715 East 4th, Missoula, Montana

Date of Notice of Appropriation of Groundwater: August 29, 1969

Date well started: July 27, 1969
Date completed: August 18, 1969

Type of well: Drilled
Equipment Used: Cable Tool

Water Use: Domestic ☐ Municipal ☐ Other ☐ 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 Met</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>0</td>
<td>59</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 6.7 feet.
Shut-in Pressure for Flowing Well: ____________
Pumping Water Level: 50 feet at ____________ gal. per minute.
Discharge in gal. per min. of flowing well: ____________

How Tested: Daily
Length of Test: ____________

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)

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.

I have answered 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.

Driller's License Number: ____________
Driller's Signature: ____________
STATE OF MONTANA, County of Valley,Filed for record

11/15/1969

[Signature]
County Recorder

[Signature]
Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Filed for record June 15, 1971.

Driller, Boone Whitner & Sons Address, Off Point, Montana

Date of Notice of appropriation of groundwater... June 16, 1971

Date well started... June 16, 1971. Date completed... June 16, 1971

Type of well Drilled Equipment used... Cable Tool

(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

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

---

Static Water Level for non-flowing well... 15 feet

Shut-in Pressure for Flowing Well... 38 feet

Pumping Water Level... 20 feet

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

How Tested... Bailor

Length of Test... 2 Hours

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

(Continue on reverse side)

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

---

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.

Driller’s License Number.

Driller’s Signature.

[Handwritten Signature]

File No.

DUPLICATE

RECEIVED

COUNTY

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

JUN 30 1971

[County and Valley]

Top of Ground

(Elev. above sea level 1950..)

Drift

Gravel

Doc. No. 00551

Filed for record this 29 day of June

OWNED Land & Livestock Address: Oiona, Montana

A D. 1971. at 11.30

Stock 3. M.

Date of Notice of appropriation of groundwater... June 16, 1971

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)

---

**Recognition Log**

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

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

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

---

**Date of Notice of appropriation of groundwater**: June 16, 1971

**Date well started**: June 16, 1971

**Date completed**: June 16, 1971

**Type of well**: Drilled

**Equipment used**: Churn drill

**Water use**: Domestic

**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>Date of Defined Hole</th>
<th>Kind of Water</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-inch ID 1 1/4</td>
<td>20</td>
<td>0, 26</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well**: 16 feet

**Shut-in Pressure for flowing well**: 20 psi

**Pumping Water Level**: 20 feet at 12 gal per minute.

**Discharge in gal per min. of flowing well**: 2.4 gal

**How Tested**: 0.12

**Length of Test**: 2

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

---

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; one copy to be retained by driller.

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

---

**Driller's Name**: Charles C. Whitmer

**Driller's Signature**: [Signature]

---

[Diagram and additional documentation]
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Allen Anderson
Address:

Driller: Walter James
Address:

Date of Notice of Appropriation of Groundwater

Type of well: Drilled
Equipment Used: Churn drill
(dig, driven, bored or drilled)

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.

Show exact depth of bottom.

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

Shut-in Pressure for Flowing Well...

Pumping Water Level... feet at... gal. per minute.

Discharge in gal, per min. of flowing well...

How Tested: Baed...

Length of Test...

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)

Driller'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, 
County of Valley. 
Filed for record 
MAY 29, 1964

Mary Lee Baker
County Recorder
<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>T. 27 N R. 45 E</th>
</tr>
</thead>
<tbody>
<tr>
<td>County: Valley</td>
<td></td>
</tr>
<tr>
<td>MONTANA BUREAU OF MINES AND GEOLOGY</td>
<td>Butte, Montana</td>
</tr>
<tr>
<td>Water Well Log</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>County</th>
<th>Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Olaf L. Veletz</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Field Drilling Co.</th>
<th>Address</th>
<th>Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Field Drilling Co.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sept. 15, 1937</td>
<td>Sept. 20, 1937</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Sec.</th>
<th>T.</th>
<th>R.</th>
<th>S.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>37</td>
<td>27</td>
<td>15</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trench</td>
<td>Chisel, drill, rotary</td>
<td></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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<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>

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

| Type of screen or perforations | |
|-------------------------------| |

<table>
<thead>
<tr>
<th>Static water level, for non-flowing well:</th>
<th>30 feet</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>10 lb./sq. in. on (psi)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>3 1/4 feet at 2 9/10 gal. per min.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>Drill stem</th>
</tr>
</thead>
</table>

| Length of test: |  |
|-----------------| |

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

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0 to 30</td>
<td>Sandy loam</td>
</tr>
<tr>
<td>30 to 35</td>
<td>Gravel sand</td>
</tr>
<tr>
<td>35 to 42</td>
<td>Clay</td>
</tr>
<tr>
<td>42 to 51</td>
<td>Sand</td>
</tr>
<tr>
<td>51 to 58</td>
<td>Gravel</td>
</tr>
<tr>
<td>58 to 62</td>
<td>Gravel</td>
</tr>
</tbody>
</table>
Form No. 13

T. 22N R. 43E

County: Valley

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Water Well Log

Owner: Allen C. Bland
Address: Circle M

Driller: A. D. Drill Co.
Address: Butte, Mont.

Date Started: June 1, 1936
Date Completed: June 8, 1936

Location: Sec. 35, T. 22 N., R. 43 ½ W., M.N.W.

Type of well: (Bore)

Equipment used: (Rotary)

Water use: Domestic [X] Municipal [ ] Stock [X] Irrigation [ ]
Industriial [ ] Drainage [ ] Other [ ]

Casing: 0 ft. to 600 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: 30 feet.

Shut-in pressure, for flowing well:

Pumping water level: 31 feet at 50 gal. per min.

How tested: Drill test

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>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>30</td>
<td></td>
<td>Sandy loam</td>
</tr>
<tr>
<td>30</td>
<td>38</td>
<td></td>
<td>Gravel, sand</td>
</tr>
<tr>
<td>38</td>
<td>42</td>
<td></td>
<td>Clay</td>
</tr>
<tr>
<td>42</td>
<td>55</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>55</td>
<td>62</td>
<td></td>
<td>Gravel</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)

Great Northern Railway Company  of 175 E. 4th St., St. Paul, Minnesota
(Name of Appropriator)  (Address)  (Town)

County of Valley  State of Montana

The following information is based on the laws in effect prior to January 1, 1962.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: March 1, 1915.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 200.00 GPM.

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: Wells at Vandalia, Glasgow, Nashua, Frazer and Omgone.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: February 26, 1910 - March 1, 1915.

8. The depth of water table: Static level - 26 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 - 63 ft. deep; cased to 72 ft.

10. The estimated amount of groundwater withdrawn each year: 200,000 gallons.

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

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: Wells at Frazer not presently being used.

GREAT NORTHERN RAILWAY COMPANY

Superintendent of the Butte Division

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.
Oswego, Mont.
Afe 60-318
Well drilled by Dodd Drilling Co., Wolf Point, Mont.

Drilling completed: July 1960
Water stands at 22' with 23' drawdown at 10 G.P.M.

0 = Ground Surface
Humus & Top Soil - 9'

Clay - 20'
Static Water Level - 22'

Sand - 17'

Sand & Gravel - 22'

68
Clay - 7'
75 - Bottom of Hole

Engineer Water Service

ID-1200-341
STATE OF MONTANA,
County of Valley,
Filing for record

DEC 13 1962
R.D. 020
Block 20
Mary Jane Eide
County Auditor
By: William Johnson, Deputy
<table>
<thead>
<tr>
<th>Location of Well at</th>
<th>Location of Well at</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glasgow</td>
<td>Nashua</td>
</tr>
<tr>
<td>May 23, 1946</td>
<td></td>
</tr>
<tr>
<td>60 GPM</td>
<td></td>
</tr>
<tr>
<td>April 21, 1946 - May 23, 1946</td>
<td>N/A</td>
</tr>
<tr>
<td>Well flows at 10 GPM</td>
<td></td>
</tr>
<tr>
<td>6&quot; x 5&quot; drilled well - 325' deep - cased to 216' with 6&quot; - 165' of 6&quot; inside 8&quot; to bottom</td>
<td>N/A</td>
</tr>
<tr>
<td>1,000,000 gallons</td>
<td>N/A</td>
</tr>
<tr>
<td>See attached log sheet.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location of Well at</th>
<th>Location of Well at</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frazer</td>
<td></td>
</tr>
<tr>
<td>July 1960</td>
<td></td>
</tr>
<tr>
<td>10 GPM</td>
<td></td>
</tr>
<tr>
<td>Completed in July 1960</td>
<td></td>
</tr>
<tr>
<td>Static level - 22&quot;</td>
<td></td>
</tr>
<tr>
<td>6&quot; drilled well - 75' deep - cased 60' 6&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>200,000 gallons</td>
<td>N/A</td>
</tr>
<tr>
<td>See attached log sheet.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location of Well at</th>
<th>Location of Well at</th>
</tr>
</thead>
<tbody>
<tr>
<td>Win-35</td>
<td>N/A</td>
</tr>
<tr>
<td>Location of Well at</td>
<td>N/A</td>
</tr>
<tr>
<td>July 1960</td>
<td></td>
</tr>
<tr>
<td>10 GPM</td>
<td></td>
</tr>
<tr>
<td>Completed in July 1960</td>
<td></td>
</tr>
<tr>
<td>Static level - 22&quot;</td>
<td></td>
</tr>
<tr>
<td>6&quot; drilled well - 75' deep - cased 60' 6&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>200,000 gallons</td>
<td>N/A</td>
</tr>
<tr>
<td>See attached log sheet.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location of Well at</th>
<th>Location of Well at</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stockyard</td>
<td>N/A</td>
</tr>
<tr>
<td>Location of Well at</td>
<td>N/A</td>
</tr>
<tr>
<td>July 1960</td>
<td></td>
</tr>
<tr>
<td>10 GPM</td>
<td></td>
</tr>
<tr>
<td>Completed in July 1960</td>
<td></td>
</tr>
<tr>
<td>Static level - 22&quot;</td>
<td></td>
</tr>
<tr>
<td>6&quot; drilled well - 75' deep - cased 60' 6&quot;</td>
<td>N/A</td>
</tr>
<tr>
<td>200,000 gallons</td>
<td>N/A</td>
</tr>
<tr>
<td>See attached log sheet.</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: David Collerson  Address: Oswego, Montana
Driller: Simpson Drilling Co.  Address: Malta, Montana

Date of Notice of appropriation of ground water: Nov. 25, 1969
Date well started: Nov. 25, 1969  Date Completed: Nov. 30, 1969

Type of well: drilled  Equipment used: churn
(dig, driven, bored or 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>Site of Drilled Hole</th>
<th>Size and Volume of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>6 5/8 OD</td>
<td>0</td>
<td>56</td>
<td>slots 51</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 15 feet
Shut-in Pressure for Flowing Well: 220 feet
Pumping Water Level: 22 gal. per minute
Discharge in gal. per min. of flowing well: 100 gal.

How Tested: one hour
Length of Test: one hour
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.

Driller's License Number

Batcher'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 Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: David Velloso

Address: Oviedo, Montana

Driller: Hinckley Drilling Co

Address: Malta, Montana

Date of Notice of Appropriation of Groundwater: Nov. 20, 1965

Date Well Started: Nov. 20, 1965

Date Completed: Nov. 20, 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.

Static Water Level for Non-Flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

Comments: (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)

Notarized: Sec. 35 T. W. R. 25 E

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

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:** Richard Finch

**Address:** 20650 Wapato Point Blvd, Wolf Point, MT, 59874

**Date well started:** June 7, 1992

**Type of well:** Drilled

**Equipment used:** Chime

**Water Use:**
- Domestic [ ]
- Municipal [ ]
- Stock [X]
- Irrigation [ ]
- Industrial [ ]
- Drainage [ ]
- Other [X]
- Garden/Lawn [ ]

**Describe USE:** If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. lot, block and addition).

**Estimated Annual Withdrawal:**

<table>
<thead>
<tr>
<th>Site of Drilled Hole</th>
<th>Size and Weight of Canvas</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>1 1/2</td>
<td>0</td>
<td>45</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 18 ft.

**Pumping water level:** 8 ft.

**Pumped:** 18 gallons per minute, measured 15 minutes after pumping began.

**Well developed by:** Bacll

**Power:** Pump, 3/4 HP

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

**Indicate location of well and place of use, if possible.**

**License No.:** 83

**County:** Valley

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

**Remarks:**

---


driller’s signature

**Driller’s Address:** Wolf Point, MT

**Driller’s Signature:**

---

**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.**

---

**Show exact depth of bottom:** 45 ft.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Bureau of Land Management
Address: Malta, Montana

Driller: SIMPSON DRILLING CO
Address: MALTA, MONTANA

Date of Notice of appropriation of ground water

Date well started: Sept 21, 1963 Date Completed: Oct 14, 1963

Type of well: Drilled
Equipment used: Rotary
(dug, driven, bored or drilled)

Water use: Domestic (Check)
Municipal (Check)
Stock (Check)
Irrigation (Check)

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. 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>Layer</th>
<th>Depth (feet)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>40</td>
<td>Hard brown clay</td>
</tr>
<tr>
<td>35</td>
<td>170</td>
<td>Dark shale</td>
</tr>
<tr>
<td>172</td>
<td>265</td>
<td>Rock layer</td>
</tr>
<tr>
<td>264</td>
<td>370</td>
<td>Dark shale</td>
</tr>
<tr>
<td>370</td>
<td>447</td>
<td>Sandstone</td>
</tr>
<tr>
<td>530</td>
<td>570</td>
<td>Shale &amp; sandstone layers</td>
</tr>
<tr>
<td>572</td>
<td>650</td>
<td>Sandstone</td>
</tr>
<tr>
<td>650</td>
<td>700</td>
<td>Grey shale</td>
</tr>
<tr>
<td>700</td>
<td>945</td>
<td>Grey shale</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 10 feet
Shut-in Pressure for Flowing Well: 12.6 feet
Pumping Water Level: 4 feet
Discharge in gal. per min. of flowing well: 4.6 gal./min.

How Tested: Flow

Length of Test:

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)

Designated for Ag: 250 550

Driller's License Number

Driller's Signature