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

1. Walter F. Kunz
   (Name of Appropriator)
   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: Mostly farm use.

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: About 1920.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): About 2 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: Only about 5 acres of garden.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: See map, Sec. 28, T. 28, R. 41, N.W.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: About 1920.

   8. The depth of water table: About 40 feet.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 20 casings, about 40 feet deep.

   10. The estimated amount of groundwater withdrawn each year: About 100,000 gallons.

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

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

   Signature of Owner: Walter F. Kunz
   Date: Dec. 29, 1962

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geography, and Quadruplicate for the Appropriator.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Charles March</th>
<th>Address</th>
<th>Butte, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td></td>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Section 18, Township 25, Range 41</td>
<td>E 1/4 Sec. SW</td>
<td></td>
</tr>
</tbody>
</table>

Type of well: Natural Spring  
Equipment used: (Drill, driven, bored, etc.)

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

Casing:  
- [ ] to [ ] ft  
- Type:  
- Size:  

Perforated or Screened:  
- [ ] to [ ] ft  
- Type:  
- Size:  

Static Water level: [ ] feet  
Shut-in pressure: [ ] 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)

Spreading well bored with free flowing grout for test flow.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: __________________________

Owner: Vernon Murch  Address: Glasgow, Montana

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: __________________________

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: __________________________

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

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

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

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

Signature of Owner: ________________  Date: July 23, 1963

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Julianne Knowles
   (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

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

COUNTY OF TELLER

[Signature]

DEO 11 1952

[Signature]

[Signature]
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]
[Address]
[County of]
[State of]

County of [County]

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

Signatures of Owner(s)

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 Dale, Jr. 
611 W. 6th St.
Fairview, Mont.

County of: Valley
State of: Montana
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

Livestock and household

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

1952

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

Not used for land irrigation

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

Jet and pressure systems

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

Developed in 1952

8. The depth of water table

18 inches deep

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater

20 feet deep (from top of ground)

Spring flows continuously (in a jet)

10. The estimated amount of groundwater withdrawn each year

Unknown

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

Clay down

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


X

Signature of Owner

Date: 12-27-63

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 Approprietor.
### WATER WELL LOG

**Owner:** T. J. Broas / Smith  
Address: Glasgow

**Driller:** Carl Palm  
Address: Saco

**Date Started:** 12/31/52  
**Date Completed:** 12/22/52

**Location:** Sec. 25 T 28 R 41 1/4 sec.  
Lot 9

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Churn</td>
</tr>
<tr>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Industrial</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Drainage</td>
<td>Other</td>
</tr>
</tbody>
</table>

**Type of screen or perforations:**

- **Casing:**
  - Top: 0 ft. to 56 ft.  
  - Type: LlRetail  
  - Size: 2 in.
  - Other: 
  - Perforated or Screened: 
    - Ft.: to ft.  
    - Ft.: to ft.

**Static Water level, for non-flowing well:** 17 feet

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

**Pumping water level:** 17 feet at 10 gal. per min.

**Length of test:** 1 1/2 hr.

**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: C. H. Exos K. Smith Address: Glasgow
Driller: C. A. L. Palm Address: Saco
Date Started: 12/21/57 Date Completed: 12/23/57
Location: Sec. 25, T. 39 N, R. 41 1/4 sec. 6 1/2 9

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Churn</th>
</tr>
</thead>
</table>

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

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

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

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

Type of screen or perforations:

Static Water level, for non-flowing well: 12 feet

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

Pumping water level: 19 feet at: 10 gal. per min.

How tested: Pumping

Length of test: 1 hr.

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>0 - 16</td>
<td>Sandy Blue Clay</td>
</tr>
<tr>
<td>16 - 20</td>
<td>Sand + gravel</td>
</tr>
<tr>
<td>20 - 54</td>
<td>Sandy Blue Clay</td>
</tr>
<tr>
<td>54 - 56</td>
<td>Course Sand + gravel + water</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

**Owner:** Rose L. Brooksmith  
Address: Box 334, Glasgow, Montana

**Driller:** Carl Palm  
Address: Sec 8, Montana

**Date Started:** Aug 23, 1957  
**Date Completed:** Aug 26, 1957

**Location:** Sec 15  
T 28 N R 41 E 5th sec Lot 8

---

**Type of well:**  
**Equipment used:**

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

**Casing:**  
- Surface: ft to 53 ft  
- Type: Galv-Iron  
- Size: 6"  
- Casing: ft to ft  
- Type:  
- Size:  
- Casing: ft to ft  
- Type:  
- Size:  
- Perforated or Screened: ft to ft  
- Type of screen or perforations:

**Static Water level, for non-flowing well:** 20 feet

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

**Pumping water level:** 30 feet at 10 gal per min

**How tested:** Submersible and pump

**Length of test:** 8 hrs

**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 1</td>
<td>18</td>
</tr>
<tr>
<td></td>
<td>Hand dug through clay</td>
</tr>
<tr>
<td>19</td>
<td>20</td>
</tr>
<tr>
<td></td>
<td>Sand and gravel - drilled</td>
</tr>
<tr>
<td>21</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>Yellow clay</td>
</tr>
<tr>
<td>41</td>
<td>42</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>44</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td>Sandy blue clay</td>
</tr>
<tr>
<td>55</td>
<td>60</td>
</tr>
<tr>
<td></td>
<td>Sand and gravel and water - drilled</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Weldon Wetzel
Address: Glasgow

Driller: Carl Palm
Address: Saco

Date of Notice of Appropriation of Groundwater: 7/6
Date Well Started: 7/6
Date Completed: 9/9/63

Type of Well: Drilled
Equipment Used: Churn
(Churn, drill, rotary or other)

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 watertaking strata and height to which water rises in the well.

<table>
<thead>
<tr>
<th>Strata</th>
<th>Depth (feet)</th>
<th>Thickness</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Gravel</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 9.3 feet.
Shut-in Pressure for Flowing Well: 5.5 feet at 16.16 gal. per minute.
Pumping Water Level: 5.5 feet at 16 gal. per minute.
Discharge in gal. per min. of flowing well: 16.16
How Tested: KILING
Length of Test: 2.8 x 2
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: Carl Palm
Driller's Signature: [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.

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)

Waldo J. Wetterling, of 540-14 Ave N, Glasgow

County of Valley, State of Montana

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: Household

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1878 - Continuous

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

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: Jet-pump - Electric

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: 26 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:

10. The estimated amount of groundwater withdrawn each year: 200 to 300 Thousand Gals

11. The log of formations encountered in the drilling of each well if available: 22 ft. Pierre 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: Waldo J. Wetterling
Date: 12/21/63

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Lawrence Hill</th>
<th>of: 10 S. En. 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name of Appropriator)</td>
<td>(Address)</td>
</tr>
<tr>
<td>County of: Helena</td>
<td>State of: Montana</td>
</tr>
</tbody>
</table>

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: Pumps and household purposes.

2. Date or approximate date of earliest beneficial use: May, 1928.

3. How continuous the use has been: Constantly since 1928.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 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.

6. The means of withdrawing such water from the ground: The well is a screen well, and the pressure is obtained by use of a pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: The well was completed in May of 1928, and the pump was installed in 1946.

8. The depth of water table: Artesian well, four inch hole, 45 feet deep.

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: 3,700,000 gallons per year, 10 inches, screened well, two-inch hole, 45 feet deep.

10. The estimated amount of groundwater withdrawn each year: 3,700,000 gallons per year.

11. The log of formations encountered in the drilling of each well if available: [Logs of formations are not provided in the image.]

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: [Reference to book and page is not provided in the image.]

Signature of Owner: Lawrence Hill
Date: June 6, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines; 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. Willard B. Hines
   (Name of Appropriator)
   of ____________________
   (Address)
   Nashua
   (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 ______

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

4. The amount of groundwater claimed (in minor'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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. George Bolka
   (Name of Appropnitor)
   of Nashua, Montana

   County of Valley
   State of Montana

   (Address) (Town)

   I 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: 1936

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 64 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 motor driven pump, well located NE 1/4 SE 1/4 NE 25 T 28 N R 41 E M M. W. Montana
      Valley County, Montana**

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1936

   8. The depth of water table: 40 to 85 ft.

   9. So far as may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      **6-inch drilled well, 85 ft. deep**

   10. The estimated amount of groundwater withdrawn each year: 1,314,000 gallons per 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: George Bolka
   Date: Dec. 17, 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 Appropnitor.
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(s) or Card of Appropnator
   (Name of Appropnator)

2. The beneficial use on which the claim is based
   Household and Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1957

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

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

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

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

8. The depth of water table
   25 feet

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

10. The estimated amount of groundwater withdrawn each year
    1000,000 gallons

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

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

1. **Hekloen Brothers**, of **Nashua**, 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**.

3. Date or approximate date of earliest beneficial use and how continuous the use has been: **1940**Steady**.

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

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

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: **1940**.

8. The depth of water table: **35 feet**.

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater: **Drilled**. **1 inch**. **35 feet**.

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

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**

**Date**

---

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriate.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after Janu: y 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: LEON ERSLAND
Address: NOAH H. MONT
Date well started: 4/2/71
completed: 4/25/71
Type of well: drilled
Equipment used: (Check boxes bond or driller)
Water Use: Domestic [] Municipal [ ] Stock [ ] Irrigation [ ]
[ ] Industrial [ ] Drainage [ ] Other [] Garden/Lawn [ ]

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Field (Acre)</th>
<th>Size and Weight of Cylinder</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PREPARATIONS</th>
<th>FROM (Feet)</th>
<th>TO (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>43/4</td>
<td>84.0 gale galvanized</td>
<td></td>
<td></td>
<td>static water level 30 ft. up from lot.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Pumping water level 60 ft. at 10 gallons per minute, measured minutes after pumping began.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>*Measured from ground level.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Well developed by drills for 1 hours.</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Power: Pump. HP: 1. Remarks: (Gravel packing, cementing, packers, type of shutoff)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Driller's Signature: ____________________________
Driller's Address: ____________________________
LICENSE NO: 44

Top of Ground (Flow, shore etc. level)

<table>
<thead>
<tr>
<th></th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>2.</td>
<td>3.</td>
</tr>
<tr>
<td>4.</td>
<td>5.</td>
<td>6.</td>
</tr>
<tr>
<td>7.</td>
<td>8.</td>
<td>9.</td>
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<tr>
<td>10.</td>
<td>11.</td>
<td>12.</td>
</tr>
<tr>
<td>16.</td>
<td>17.</td>
<td>18.</td>
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<tr>
<td>19.</td>
<td>20.</td>
<td>21.</td>
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<td>22.</td>
<td>23.</td>
<td>24.</td>
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<td>25.</td>
<td>26.</td>
<td>27.</td>
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<tr>
<td>28.</td>
<td>29.</td>
<td>30.</td>
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<tr>
<td>31.</td>
<td>32.</td>
<td>33.</td>
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<tr>
<td>34.</td>
<td>35.</td>
<td>36.</td>
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<tr>
<td>37.</td>
<td>38.</td>
<td>39.</td>
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<tr>
<td>40.</td>
<td>41.</td>
<td>42.</td>
</tr>
<tr>
<td>43.</td>
<td>44.</td>
<td>45.</td>
</tr>
<tr>
<td>46.</td>
<td>47.</td>
<td>48.</td>
</tr>
<tr>
<td>49.</td>
<td>50.</td>
<td>51.</td>
</tr>
<tr>
<td>52.</td>
<td>53.</td>
<td>54.</td>
</tr>
<tr>
<td>55.</td>
<td>56.</td>
<td>57.</td>
</tr>
<tr>
<td>58.</td>
<td>59.</td>
<td>60.</td>
</tr>
</tbody>
</table>

Show exact depth of bottom:

5/158
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: LEVI B. SHIBUYA
Address: KASHUAMNT.
Driller: Owner
Address: KASHUAMNT.

Date of Notice of appropriation of groundwater: 1-20-71
Date well started: 1-20-71
Date completed: 2-20-71

Type of well: Domestic
Equipment used: (Drill, Driven, bored or drilled)

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
the depth at which water is encountered, thickness and character of water-bearing
strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Depth of Test</th>
<th>Size and Weight of Hole</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'</td>
<td>&quot;5/2</td>
<td>0</td>
<td>43</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per minute

How Tested: Pumping
Length of Test: 25 minutes
Remarks: (Gravel packing, cementing, pack-
ters, type of shut-off)

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

USE—If used for irrigation, industrial,
internal, or sand and gravel mining
number of acres and location or other data (i.e.: Lot, Block and Addi-
tion).

Driller's License Number

Driller's Signature

File No.

DUPLICATE

LOG

Top of Ground
(Elev. above sea level.)

0-20 sand
20-37 rock
27-30.4 gravel
37-43 gravel

Show exact depth of bottom.
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Item</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Town of Nashua (Name of Appropriate)</td>
</tr>
<tr>
<td></td>
<td>of Nashua (Address)</td>
</tr>
<tr>
<td></td>
<td>Valley (Town)</td>
</tr>
<tr>
<td></td>
<td>State of Montana</td>
</tr>
<tr>
<td></td>
<td>County of Valley</td>
</tr>
<tr>
<td></td>
<td>have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:</td>
</tr>
<tr>
<td>2.</td>
<td>The beneficial use on which the claim is based for municipal purposes</td>
</tr>
<tr>
<td>3.</td>
<td>Date or approximate date of earliest beneficial use; and how continuous the use has been...April 2, 1958</td>
</tr>
<tr>
<td>4.</td>
<td>The amount of groundwater claimed (in miner's inches or gallons per day). 1,000,000 gpd in high peak of summer...to 100,000 gpd in low peak of winter.</td>
</tr>
<tr>
<td>5.</td>
<td>If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. Municipal irrigation purposes of the inhabitants of the Town of Nashua.</td>
</tr>
<tr>
<td>6.</td>
<td>The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Layne Minnesota turbine-type pump.</td>
</tr>
<tr>
<td>7.</td>
<td>The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Date of Commencement - February 20, 1958 Date of Completion - April 2, 1958</td>
</tr>
<tr>
<td>8.</td>
<td>The depth of water table. The depth of water table is static-water level 31'.</td>
</tr>
<tr>
<td>9.</td>
<td>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. One well composed of steel casings of the following diameters: 15' of 60&quot; diameter, 35' of 56&quot; diameter, 31' of 52&quot; diameter. Depth of well is 51' with a stainless steel screen at bottom.</td>
</tr>
<tr>
<td>10.</td>
<td>The estimated amount of groundwater withdrawn each year: 3,225,000 gallons.</td>
</tr>
<tr>
<td>11.</td>
<td>The log of formations encountered in the drilling of each well if available. Topsoil and yellow clay from 0' to 21', course sand and gravel from 21' to 38', course gravel from 38' to 50'.</td>
</tr>
<tr>
<td>12.</td>
<td>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</td>
</tr>
</tbody>
</table>

**TOWN OF NASHUA, MONTANA**

Signature of Owner: [Signature]

Date: Dec. 2, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
## MONTANA BUREAU OF MINES AND GEOLOGY

**Butte, Montana**

### WATER WELL LOG

**Owner:** Merv T. Shista  
**Address:** Butte, Mont.

**Driller:** Walter Case  
**Address:** Butte, Mont.

**Date Started:** July 13, 1957  
**Date Completed:** July 26, 1957

**Location:** Sec. 5, T. 37 N., R. 41 W., 1/4 sec.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td>Other:</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>

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

**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)

- (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>10 ft</td>
</tr>
<tr>
<td>10</td>
<td>30 ft</td>
</tr>
<tr>
<td>30</td>
<td>60 ft</td>
</tr>
<tr>
<td>60</td>
<td>84 ft</td>
</tr>
<tr>
<td>84</td>
<td>95 ft</td>
</tr>
<tr>
<td>95</td>
<td>470 ft</td>
</tr>
<tr>
<td>470</td>
<td>685 ft</td>
</tr>
</tbody>
</table>

**STATE ENGINEER**

**RECEIVED** SEP 16 1957
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

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: Railroad purposes

2. The date or approximate date of earliest beneficial use and how continuous the use has been: March 1, 1918

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 200 GPM

4. 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

5. 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, Fraser and Damascus

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: February 26, 1918 - March 8, 1918

7. The depth of water table: Static level = 28'

8. The type, size and depth of each well: 4" drilled well = 63' deep - casing to 79'

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

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

11. Such other information of a similar nature as may be useful in carrying out the policy of this act: Well at Fraser not presently being used.

GREAT NORTHERN RAILWAY COMPANY

Superintendent of the Butte Division

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.
Log of 6\times 123 test hole put down by McCarthy Well Co. under Cont. #6561 dated 10/21/16.

Insufficient water for locomotive supply but O.K. for stockyard (CH: 88 k.)

At depth 45\frac{1}{2} less than 20 g.p.m. was obtained and test between 43\frac{1}{2}-15 showed but 200 g.p.m.

<table>
<thead>
<tr>
<th>Location of Well at</th>
<th>May 23, 1946</th>
<th>60 00 PM</th>
<th>Wall 4:1 10 00 PM</th>
<th>8&quot;-10&quot; drilled well - 325' deep - cased to 216' with 8&quot; of 6&quot; inside 8&quot; to bottom</th>
<th>0,000,000 gallons</th>
<th>See attached log sheet.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location of Well at</td>
<td>Nashua</td>
<td></td>
<td></td>
<td>27&quot; deep - Cased with Vit. Piping</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location of Well at</td>
<td>Prather</td>
<td>October 1960</td>
<td>10 00 PM</td>
<td>Completed in July 1960</td>
<td>6&quot; drilled well - 75' deep - cased 60' 6&quot;</td>
<td>200,000 gallons</td>
</tr>
<tr>
<td>Location of Well at</td>
<td>Oswego</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location of Well at</td>
<td>Prather</td>
<td>October 1960</td>
<td>10 00 PM</td>
<td>Completed in July 1960</td>
<td>6&quot; drilled well - 75' deep - cased 60' 6&quot;</td>
<td>200,000 gallons</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
<td>Type of Form</td>
<td>County File No.</td>
<td>Remarks</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------</td>
<td>-----------------------------</td>
<td>--------------</td>
<td>-----------------</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Lau, Meyer, Francis B.</td>
<td>GW H</td>
<td>N39 839</td>
<td></td>
<td></td>
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<tr>
<td>5</td>
<td>Johnson, Dorothy</td>
<td>H</td>
<td>N36 576</td>
<td></td>
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</tr>
<tr>
<td>6</td>
<td>Strand, Grace E.</td>
<td>H</td>
<td>N36 638</td>
<td></td>
<td></td>
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</tr>
<tr>
<td>12</td>
<td>Lau, Meyer, George H</td>
<td>Well Log</td>
<td>N56 539</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Anderson, Simon-Thomas</td>
<td>H</td>
<td>N35 825</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Bracksmith, Charles H.</td>
<td>GW H</td>
<td>N35 721</td>
<td></td>
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<tr>
<td>20</td>
<td>Massler, Ray J.</td>
<td>H</td>
<td>N35 838</td>
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<tr>
<td>20</td>
<td>Massler, Ray J.</td>
<td>GW 2</td>
<td>N35 929</td>
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<tr>
<td>23</td>
<td>Anderson, Simon</td>
<td>Well Log</td>
<td>N6 649</td>
<td></td>
<td></td>
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<tr>
<td>23</td>
<td></td>
<td>GW H</td>
<td>N6 591</td>
<td></td>
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<tr>
<td>26</td>
<td>Bracksmith, Charles H.</td>
<td>H</td>
<td>N49 524</td>
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<tr>
<td>29</td>
<td>Lau, Meyer, Wm.</td>
<td>Well Log</td>
<td>N6 222</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Combs, Jay &amp; Ethelene</td>
<td>H</td>
<td>N49 843</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Francis G. Laumeier of Nashville
   (Name of Appropnator) (Address)
   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: Irrigation

3. Date or approximate date of earliest beneficial use; and now continuous the use has been Sept. 1, 1955

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Three 45 gallon 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: Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Sept. 1955

8. The depth of water table: 48 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: Bore Well with 10 inch casing, Depth 56 ft.

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

11. The log of formations encountered in the drilling of each well if available: Clay 10 ft., Sand 5 ft., gravel 3 ft. and 4 ft., gravel 13 ft.

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: Francis G. Laumeier
Date: Mar. 12, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropnator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Dorothy Johnson
   (Name of Appropriator) of Glasgow
   (Address)
   County of Valley
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   NE 1/4 SW 1/4 SE 1/4 of 5 28 42.

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

   2. The beneficial use on which the claim is based: Spring water for watering livestock and irrigation of a garden.

   3. Date or approximate date of earliest beneficial use and how continuous the use has been. Continuous use for above purpose since January 1, 1948.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 350 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. One acre irrigated by owner, Dorothy Johnson, adjacent to spring as described in diagram.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. The spring is artesian in nature - water flows to surface and onto ground by natural gravity flow.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. This is a natural spring and improvements have been made by cleaning the same annually since January 1, 1948, including installation of stock tank and pipe.

   8. The depth of water table. Surface water from 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 spring - gravity flow.

   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: ____________________________
   Date: December 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, 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)

Grace E. Strand
(Name of Appropriator)

County of Valley
(State of Montana)

of Star No.
(Address)

State of Montana
(Town)

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1952, as follows:

1. The beneficial use on which the claim is based Domestic use, livestock watering, and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1930 and in continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 110 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. 5 acres in vicinity of the well. Grace H. Strand

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump. As indicated on plot plan.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Estimated 1930

8. The depth of water table 20 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Approx 3 feet in diameter and 50 feet deep. Second well is 2 feet in diameter and 60 feet deep, both located within a few yards of each other.

10. The estimated amount of groundwater withdrawn each year 1,000,000 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. Not available.

Signature of Owner Grace Strand

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 School of Mines and Quadruplicate for the Appropriator.
WATER WELL LOG

Owner: George H. Fausseyer  Address: Nashua, Mont.
Driller: Carl Palmer  Address: Sec. 2, Mont.
Date Started: Oct. 18  Date Completed: Oct. 19
Location: Sec. 12  T 28  R 42  1/4 sec. SE 1/4

Type of well: Drilled  Equipment used: Chuck drill

Water use: Domestic X  Municipal  Stock X  Irrigation

Casing: 4 ft. to               ft.  Type: Black Iron  Size: 4 in.
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:                          feet.

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

Pumping water level:                         feet at 5 gal. per min.

How tested: Pumping

Length of test: 24 hr.

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

Top of Well is Sealed with a Cement Cover

6 x 6. That is the fit that is 6 ft. deep below the
down. The Pump is located for Pressure System for
Domestic and Stock Use.
## 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>1</td>
<td>29</td>
</tr>
<tr>
<td>29</td>
<td>32</td>
</tr>
<tr>
<td>32</td>
<td>41</td>
</tr>
<tr>
<td>41</td>
<td>46</td>
</tr>
</tbody>
</table>
# MONTANA BUREAU OF MINES AND GEOLOGY

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td>Simon and Amoe Anderson</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Hardie, Montana</td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td>Gary Paine</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Hardie, Montana</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>September 7, 1957</td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
<td>September 10, 1957</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Section 16, T. 28, R. 42 E, 1/4 sec. 52</td>
</tr>
<tr>
<td><strong>Type of well</strong></td>
<td>Drilled (casing, screened, or drilled)</td>
</tr>
<tr>
<td><strong>Equipment Used</strong></td>
<td>Churn drill (ימה, rotary, other)</td>
</tr>
<tr>
<td><strong>Water use</strong></td>
<td>Domestic, Irrigation</td>
</tr>
<tr>
<td><strong>Drilled</strong></td>
<td>1 ft. to 32 ft.</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Steel</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>6 in.</td>
</tr>
<tr>
<td><strong>Casing</strong></td>
<td>1 ft. to 32 ft.</td>
</tr>
<tr>
<td><strong>Type</strong></td>
<td>Steel</td>
</tr>
<tr>
<td><strong>Size</strong></td>
<td>6 in.</td>
</tr>
<tr>
<td><strong>Perforated or Screened</strong></td>
<td>1 ft. to 32 ft.</td>
</tr>
<tr>
<td><strong>Type of screen or perforations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Static Water Level</strong></td>
<td>11 feet</td>
</tr>
<tr>
<td><strong>Shut-in Pressure</strong></td>
<td>Makes more than 20 gallons per minute</td>
</tr>
<tr>
<td><strong>Pumping Water Level</strong></td>
<td>42 feet at 30 gal. per min.</td>
</tr>
<tr>
<td><strong>How tested</strong></td>
<td>Sluice bucket</td>
</tr>
<tr>
<td><strong>Length of Test</strong></td>
<td>1 minute</td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>12</td>
<td>16</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>16</td>
<td>27</td>
<td>Sand yellow clay</td>
</tr>
<tr>
<td>27</td>
<td>41</td>
<td>Sand silt and gravel</td>
</tr>
<tr>
<td>41</td>
<td>52</td>
<td>Sand gravel and water</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Charles H. Brocksmith
of Box 69, Glasgow, Montana

County of Valley
State of Montana

I, Charles H. Brocksmith, 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 spring

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1917 and since

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Natural-Flowing spring - located per map

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1917 - this is a spring with water coming to surface additional excavation work done in 1958 and 1960

8. The depth of water table: Water flows to surface

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: Excavated two holes 41' deep and 10' diameter

10. The estimated amount of groundwater withdrawn each year: 15 gal per minute year round

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

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: To

Signature of Charles H. Brocksmith
Date 12/31/62

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriate.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator: Ray J. Hassler
   Address: 208 Main St., Nashua
   County: Valley
   State: Montana

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been: May 16, 1911

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

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: 160 acres; SE 1/4, NW 1/4, Sec. 20, T. 28 N., R. 42 W.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Spring of 1911

8. The depth of water table: 25'

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 6' hole and 35' deep

10. The estimated amount of groundwater withdrawn each year: 36,000 gal

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

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: Ray J. Hassler
Date: 12-31-45

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

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

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

DECEMBER 31, 1965

At 11:15 o'clock A.M.

By

County Recorder

Owner
Notice of Completion of Groundwater Appropriation by Means of Well

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

Owner: __________________________ Address: __________________________

Driller: __________________________ Address: __________________________

Date of Notice of appropriation of groundwater: __________________________
Date well started: __________________________ Date completed: __________________________

Type of well: __________________________ Equipment used: __________________________
(Dig, 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, slate, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Size and Weight of Drill Bit (Feet)</th>
<th>Depth of Water (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 10 ft above ground level in feet.
Shut-in Pressure for flowing well: 60 psi at ......... gal. per minute.
Discharge in gal. per min. of flowing well: .........

How Tested: __________________________ Length of Test: __________________________

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

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

(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).

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, tissue copy to be retained by driller.

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

**Owner:** Simon Anderson  
**Address:**  

**Driller:**  
**Address:**  

**Date Started:** 7-1-58  
**Date Completed:** 7-1-59  

**Location:** Sec. 35, T. 13 N, R. 12 E  

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dug, driven, bored, or drilled)</td>
<td>(Chisel drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

**Casing:**  
- 1st ft. to 10 ft.  
- Type:  
- Size:  

**Perforated or Screened:**  
- Ft. to Ft.  
- Type of screen or perforations:  
- 10 in. x 2 in.  

**Static Water level:** 31 feet  
**Shut-in pressure:**  
**Pumping water level:** 45 feet at 250 gal. per min.  

**How tested:**  
**Length of test:**  

**Remarks:**  
- Gravel packing, cementing, packers, type of shut-off, depth of shut-off  
- Still active, unsure about the whole  

(over)