## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>N.P. Railway Co.</td>
<td>Palloni, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Geo. Askina Drilling Co.</td>
<td>Imsay, Mont.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Location</th>
<th>T. 13N</th>
<th>R. 52E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec. 34, T. 13N</td>
<td>R. 52E</td>
<td>1/4 sec. SE^1</td>
</tr>
</tbody>
</table>

### Type of Well and Equipment

- **Type of well:** Drilled
- **Equipment used:** Rotary

### Water Use

- Domestic
- Irrigation

### Casing Details

- **Casing:** Depth: 0 ft. to 40 ft.
  - Type: XH WIP
  - Size: 6'
- **Casing:** Depth: 40 ft. to 170 ft.
  - Type: XH WIP
  - Size: 4'
- **Casing:** Depth: 170 ft. to 750 ft.
  - Type: XH WIP
  - Size: 2'
- **Perforated or Screened:** Depth: 695 ft. to 750 ft.

**Type of Screen or Perforations:** Longitudinal slits about 2-1/2' x 1/2' out with welding torch. Staggered at 90° around pipe.

### Water Level

- **Static Water level:** For non-flowing well: 31 feet.
- **Shut-In pressure:** For flowing well: 24 lb./sq. in. on Dec. 22, 1954.

### Pumping Water Level

- **Pumping water level:** 31 feet at 21 gal. per min. flowing.

### How Tested

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

**Lead packer between 1' and 2' casing. Casing cemented above packer.**

**Valve shut-off 6' down.**

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top Soil.</td>
</tr>
<tr>
<td>10</td>
<td>Sand and Gravel.</td>
</tr>
<tr>
<td>34</td>
<td>Dark Clay.</td>
</tr>
<tr>
<td>36</td>
<td>Coal.</td>
</tr>
<tr>
<td>40</td>
<td>Dark Clay.</td>
</tr>
<tr>
<td>69</td>
<td>Coal.</td>
</tr>
<tr>
<td>71</td>
<td>Clay.</td>
</tr>
<tr>
<td>75</td>
<td>Sandy Clay.</td>
</tr>
<tr>
<td>78</td>
<td>Sandy Clay.</td>
</tr>
<tr>
<td>80</td>
<td>Clay.</td>
</tr>
<tr>
<td>83</td>
<td>Clay.</td>
</tr>
<tr>
<td>185</td>
<td>Coal.</td>
</tr>
<tr>
<td>195</td>
<td>Rock.</td>
</tr>
<tr>
<td>220</td>
<td>Sandy Clay.</td>
</tr>
<tr>
<td>303</td>
<td>Sand.</td>
</tr>
<tr>
<td>316</td>
<td>Sand.</td>
</tr>
<tr>
<td>317</td>
<td>Rock.</td>
</tr>
<tr>
<td>320</td>
<td>Clay.</td>
</tr>
<tr>
<td>390</td>
<td>Rock.</td>
</tr>
<tr>
<td>393</td>
<td>Clay.</td>
</tr>
<tr>
<td>451</td>
<td>Rock.</td>
</tr>
<tr>
<td>452</td>
<td>Clay.</td>
</tr>
<tr>
<td>464</td>
<td>Clay.</td>
</tr>
<tr>
<td>465</td>
<td>Rock.</td>
</tr>
<tr>
<td>497</td>
<td>Clay.</td>
</tr>
<tr>
<td>500</td>
<td>Rock.</td>
</tr>
</tbody>
</table>
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
<th>State</th>
<th>County</th>
<th>Town</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Northern Pacific Railway Co.</td>
<td></td>
<td></td>
<td></td>
<td>Prairie</td>
<td></td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

1. **Description**: Northern Pacific Railway Co.

2. **Beneficial Use**: Domestic purposes

3. **Date of Earliest Beneficial Use**: Dec. 29, 1934 to present

4. **Amount of Groundwater Claimed**: 25 gallons per minute

5. **Irrigation Data**:
   - Acreage and description of lands: None
   - Date of earliest beneficial use: None
   - Date of latest beneficial use: None

6. **Means of Withdrawal**:
   - Flowing well

7. **Date of Construction**:
   - Started: Dec. 7, 1934
   - Completed: Dec. 29, 1934

8. **Depth of Water Table**: Flowing well

9. **General Specifications**:
   - 2-inch drilled well, 60 feet deep

10. **Estimated Amount of Groundwater Withdrawn Each Year**: 200,000 gallons

11. **Log of Formations Encountered**: See attached log 76

12. **Other Information**: None

---

Signature of Owner: [Signature]

Date: Nov. 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, 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

File No. ____________________
DUPLICATE

COUNTY OF ____________________
TOWN OF ____________________

Slack Prairie Co, Helena Montana 38617

Date of Application ____________________

(County of Appropriator) (State of Montana)

Appropriator ____________________

(Address) ____________________

(Town) ____________________

(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.

3628
Water Well Log
Bernard Reif &
Owen J. Holland

To
The Rubbo
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Harold W. Budenberg
   (Name of Appropriator)
   of
   (Address)
   County of
   (Town)
   State of
   Montana

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

2. The beneficial use on which the claim is based: Water
   Supply for farm and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Nov. 1955
   Continues since

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Not used for irrigation

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

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

8. The depth of water table: App. 700 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: App. 700 ft., deep, 6 inch, well, 1/2 inch, pipe

10. The estimated amount of groundwater withdrawn each year: 5,256,000 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: N/A

Signature of Owner: Harold W. Budenberg
Date: March 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 School of Mines and quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. John Lapp
   (Name of Appropriator)         of    Fallon
   (Address)                       (Town)

   County of           State of Montana

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

   2. The beneficial use on which the claim is based

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

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

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

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

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

   8. The depth of water table

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

   10. The estimated amount of groundwater withdrawn each year

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

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
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: John Lapp
Address: Fallon, Montana
File: 942.75

Date well started: 11/29/72
Completed: 11/30/72

Type of well: Drilled
Equipment used: Rotary

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □ Garden/Lawn □

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Date of Debrill</th>
<th>Size of Well</th>
<th>From (feet)</th>
<th>To (feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/4 6&quot;ID</td>
<td>45</td>
<td>NONE</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 5/8&quot;</td>
<td>255</td>
<td>570</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3 7/8&quot;</td>
<td>0 870</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: Flow: ft.*
Pumping water level: ft.*

at 7:30 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by open flow for 48 hours.

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

Packer set at 100 ft.

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

Driller's Signature: John Lapp
Driller's Address: Fallon, Montana

LICENSE NO: 154
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Uptungbight  Address: Fallon, Montana
Driller: Harold Marvin  Address: Lindsay, Montana

Date of Notice of Appropriation of Groundwater: ________________
Date well started: ________________ Date Completed: ________________

Type of well: Drilled  Equipment Used: Churn

day, driven, bored or drilled)

Water Use: Domestic  Municipal  Other  Irrigation
Industrial  Drainage  Stock

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>Rise of Drilled Hole</th>
<th>Rise and Weight of Casing</th>
<th>From Feet</th>
<th>To Feet</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>4&quot; I. D.</td>
<td>0</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

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: ________________ Length of Test: ________________
Remarks: (Gravel packing, cementing, packers, type of cutoff, 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 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. Name and Address:

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

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

3. The date or approximate date of earliest beneficial use and how continuous has been _________.

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

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

Disclaimer: All textual content was extracted directly from the document image, and no additional content was added or removed. The text includes all necessary details to fill out the declaration form as required by the Montana laws.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Fallon Water Mill Co., of Fallon

County of

State of

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

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

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

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

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

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

7. The depth of water table

8. The estimated amount of groundwater withdrawn each year

9. 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

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

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

1. Fallon Water Well Co., of Fallon,
   County of
   State of Montana

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

2. The beneficial use of which the claim is based
   Household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   Dec. 1, 1956 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   150 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
   Outer rim self-flushing

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Commenced Nov. 1956 - Completed Dec. 1, 1956

8. The depth of water table
   80.6 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, 87/8 in. casing - 270 ft. deep

10. The estimated amount of groundwater withdrawn each year
    2,190,800 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

Signature of Owner

Date: Dec. 19, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Owner)

County of: FALLEN
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 on 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: John R. Keller
Date: Dec 11, 1963

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

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

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

1. Name of Appropriator: Albert Stielch
   County: Prairie
   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: Drinking and washing

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: June, 1963

4. The amount of groundwater claimed (in minor’s inches or gallons per minute): 25 gallons per minute

5. If used for irrigation, give the acreage and description of the land on 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: Fall of 1963

8. The depth of water table: 650 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:

10. The estimated amount of groundwater withdrawn each year: 35,000 gal per yr

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: More

Signature of Owner: Albert Stielch
Date: 10-23-63

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

Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 337, Montana Session Laws, 1963)

Owner: Eula Sacket
Address: Terra, Montana

Driller: Ira C. Bond
Address: Terra, Montana

Date of Notice of Appropriation of Groundwater
Date well started: 8/20/63
Date completed: 8/30/63

Type of well: Driven
Equipment Used: Cable tool
(dug, driven, bored or drilled)

Water Use: Domestic [X] 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>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in. 10.591b</td>
<td></td>
<td>0</td>
<td>25</td>
<td></td>
</tr>
<tr>
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<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 12 feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 20 feet at 6 gal. per minute
Discharge in gal. per min. of flowing well
How Tested: with bailer. 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.

Driller's License Number: 
Driller's Signature: Ira C. Bond

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.
<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>1</td>
<td>SCHNEIDER, ARTHUR</td>
<td>Gw-2</td>
<td>9046</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>STICKEL, ALFRED</td>
<td>Gw-2</td>
<td>10574</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>BURELL, BERT</td>
<td>Gw-2</td>
<td>88766</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>GUNKEL, DAVID</td>
<td>Gw-4</td>
<td>85551</td>
<td>Section 10.13</td>
</tr>
<tr>
<td>17</td>
<td>HESS, TEM</td>
<td>Gw-2</td>
<td>90426</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>HESS, AL</td>
<td>Gw-2</td>
<td>89636</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>LAPP, HAROLD</td>
<td>Gw-2</td>
<td>8106</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>LAPP, HAROLD</td>
<td>Gw-4</td>
<td>85555</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>ELHARDT, RICHARD</td>
<td>WATER WELL 100</td>
<td>4109</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>WALDS, RICHARD F.</td>
<td>Gw-4</td>
<td>85241</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>LAPP, HAROLD</td>
<td>WATER WELL 100</td>
<td>92000</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>KEEFER, HERBERT W.</td>
<td>Gw-4</td>
<td>85569</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>HADLE, BILL</td>
<td>Gw-4</td>
<td>85341</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>WELLS, JANET A.</td>
<td>Gw-4</td>
<td>85257</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>OSCEO, ORANGE</td>
<td>WATER WELL 100</td>
<td>92000</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>HADLE, BILL</td>
<td>Gw-4</td>
<td>85342</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>HADLE, BILL</td>
<td>Gw-2</td>
<td>89246</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>HADLE, BILL</td>
<td>Gw-4</td>
<td>85343</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>BREEN, CHARLES J.</td>
<td>WATER WELL 100</td>
<td>82011</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>HADLE, BILL</td>
<td>Gw-4</td>
<td>85344</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>HADLE, MARVIN</td>
<td>Gw-4</td>
<td>85345</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>GOULD, DAVID</td>
<td>Gw-4</td>
<td>85352</td>
<td></td>
</tr>
</tbody>
</table>
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Archie Schober  
**Address:** Glendive, Mont.

**Driller:** Joe Johnson  
**Address:** Terry, Mont.

**Date of Notice of Appropriation of Groundwater:**

**Date well started:** 6/12/67  
**Date Completed:** 6/26/67

**Type of well:** Drilled  
**Equipment Used:** Rotary

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

---

### Strata Met with in Drilling

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Kind of Strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-7</td>
<td>Sand and Silt</td>
</tr>
<tr>
<td>8-15</td>
<td>Clay</td>
</tr>
<tr>
<td>16-24</td>
<td>Clay</td>
</tr>
<tr>
<td>25-30</td>
<td>Silt</td>
</tr>
<tr>
<td>31-40</td>
<td>Clay</td>
</tr>
<tr>
<td>41-50</td>
<td>Clay</td>
</tr>
<tr>
<td>51-60</td>
<td>Clay</td>
</tr>
<tr>
<td>61-70</td>
<td>Clay</td>
</tr>
<tr>
<td>71-80</td>
<td>Clay</td>
</tr>
<tr>
<td>81-90</td>
<td>Clay</td>
</tr>
<tr>
<td>91-100</td>
<td>Clay</td>
</tr>
<tr>
<td>101-120</td>
<td>Clay</td>
</tr>
</tbody>
</table>

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

### Diagram

- **Static Water Level for non-flowing Well:** ...feet.
- **Shut-in Pressure for Flowing Well:** 34
- **Pumping Water Level:** ...feet at ...gal. per minute.
- **Discharge in gal. per min. of flowing well:** 15 gal.
- **How Tested:** Flow  
  **Length of Test:** 48 hrs.

**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) ...

**Cement at 500^$ will 20 sacks**

---

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. 760-1180

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Mr. Archie Schrober  
C. B. Rte.  
Glendive, Montana 59330

Dear Mr. Schrober:

This is to acknowledge receipt of a well-completion form for a well in Sec. 7, Tm. 13N., Rge. 53E. in Prairie County, with a completion date of 6/26/67. We note the absence of a County Clerk and Recorder's number and notation. If the original has been recorded, would you ask the County Clerk and Recorder to forward to us the filing number and the time and date of the filing? If the form has not yet been recorded, it would be to your advantage to have it done as soon as possible.

Sincerely,

WATER RESOURCES BOARD

A. J. Mansini  
Geologist

AJM/cc

WHERE WATER FLOWS — PROSPERITY GROWS
Mr. Archie Schrober  
C. B. Rte.  
Glendive, Montana 59330

Dear Mr. Schrober:

This is to acknowledge receipt of a well-completion form for a well in Sec. 7, Twn. 13N., Rge. 53E. in Prairie County, with a completion date of 6/26/67. We note the absence of a County Clerk and Recorder's number and notation. If the original has been recorded, would you ask the County Clerk and Recorder to forward to us the filing number and the time and date of the filing? If the form has not yet been recorded, it would be to your advantage to have it done as soon as possible.

Sincerely,

WATER RESOURCES BOARD

A. J. Mancini
Geologist

89046
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Bert Buechler  
**Address:** Glendive, Montana

**Driller:** Irwin G. Bond  
**Address:** Terry, Montana

**Date of Notice of Appropriation of Groundwater:** 3/18/62  
**Date Well Started:** 3/18/62  
**Date Completed:** 3/27/62

**Type of Well:** Drilled  
**Equipment Used:** Cable and Rotary (dug, driven, bored or churn, drill, rotary or drilled)

**Water Use:** Domestic ☑  
**Industrial ☑  
**Municipal ☑  
**Stock ☑  
**Irrigation ☑  
**Drainage ☑  
**Other ☑

**Identification:** Diagram the character and thickness of the different strata met with—drilling, such as soil, clay, shale, gravel, rock, or sand, etc. Show depth to which water is encountered, thickness and character of the bearing strata, and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilling Hole</th>
<th>Depth of Drilling Hole</th>
<th>Size of Well</th>
<th>Depth of Well</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 4&quot;</td>
<td>30</td>
<td>30</td>
<td>27</td>
<td>880</td>
<td>840</td>
</tr>
</tbody>
</table>

**Static Water Level for Non-Flowing Well:** 89 feet.

**Shut-in Pressure for Flowing Well:** 40#

**Pumping Water Level:** feet at . gallon per minute.

**Discharge in gal. per min. of flowing well:** 32 gal

**How Tested:** Length of Test: 2 days

**Remarks:** Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other 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.**

---

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. David Smith, (Name of Appropriator)
   C. T. K. Hendrie, (Address)
   Helena, (Town)
   County of Helena, 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 since:

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

   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: 12-31-63

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
MONTANA WATER RESOURCES BOARD

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: Tim Hearne
Address: CAR Glendive

File No.: 24/26

Date well started: 7/12/72

Type of well: Drilled

Equipment used: Air Rotary

Water Use: Domestic [x] 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).

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

Driller's Signature: J. E. Johnson
Driller's Address: Dr. E. Ferry, Butte

LICENSE NO.: 134

Top of Ground

<table>
<thead>
<tr>
<th>Area</th>
<th>Rough</th>
<th>Drawn</th>
<th>Foot</th>
<th>Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>15</td>
<td>Council 5 Gravel</td>
<td>15</td>
<td>24</td>
</tr>
</tbody>
</table>

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

**Perforations**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Area</th>
<th>Start</th>
<th>Foot</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>6 ft</td>
<td>19.97</td>
<td>54</td>
<td>1/3 x 6</td>
</tr>
</tbody>
</table>

**Estimate of Annual withdrawal**

Static water level: 18 ft.

Pumping water level: 45 ft.

*Measured from ground level.

Well developed by 11/2 for 2 hours.

Power: Pump [ ] HP [ ]

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

Measured from ground level.

Show exact depth of bottom 51.234
**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.

<table>
<thead>
<tr>
<th>Owner</th>
<th>OPE Glendive</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>For Administrator's Use</td>
</tr>
<tr>
<td>File</td>
<td>94826</td>
</tr>
<tr>
<td>Date well started</td>
<td>7/12/72</td>
</tr>
<tr>
<td>Date well completed</td>
<td>7/12/72</td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

**Equipment used:** Air Rotary

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

**Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]**

**Describe:**

**USB:** If used for irrigation, industrial, drainage or other, explain.

**Add:**

**Situated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Ft.</th>
<th>6'</th>
<th>34</th>
<th>54</th>
<th>34</th>
<th>47</th>
<th>51</th>
</tr>
</thead>
<tbody>
<tr>
<td>Std.</td>
<td>6'</td>
<td>6'</td>
<td>6'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sec.</td>
<td>30</td>
<td>30</td>
<td>30</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>W</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>E</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>T</td>
<td>60</td>
<td>60</td>
<td>60</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 18 ft.

**Pumping water level:** 45 ft.

**Power:** Pump: 10 HP

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

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

**Driller's Signature:**

**Driller's Address:**

**License No.** 154
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: John Doe
Address: 123 Main St, Anytown, MT

Date well started: 7/1/72
Type of well: Dug

Equipment used: AirDrum

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

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

Estimated annual withdrawal:

<table>
<thead>
<tr>
<th>Size of Wells</th>
<th>Size of Wells Above Ground</th>
<th>Size of Wells Below Ground</th>
<th>Kinds of Wells</th>
<th>Erosion of Wells</th>
<th>Erosion of Wells Above Ground</th>
<th>Erosion of Wells Below Ground</th>
<th>Erosion of Wells</th>
<th>Erosion of Wells Above Ground</th>
<th>Erosion of Wells Below Ground</th>
<th>Erosion of Wells</th>
<th>Erosion of Wells Above Ground</th>
<th>Erosion of Wells Below Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6&quot;</td>
<td>15</td>
<td>54</td>
<td>47</td>
<td>51</td>
<td>11.07</td>
<td>11.07</td>
<td>51</td>
<td>51</td>
<td>51</td>
<td>51</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 32 ft.
Pumping water level: 31
at: 5 gallons per minute, measured: 15 minutes after pumping began.
*Measured from ground level.
Well developed by: AirDrum
for: 12 hours.

Power Pump: 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: John Doe
Driller's Address: 123 Main St, Anytown, MT

LICENSE NO.: 123
**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**

<table>
<thead>
<tr>
<th>Tin. Name (Print)</th>
<th>For Administrator's Use</th>
<th>File No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Blank]</td>
<td></td>
<td>94626</td>
</tr>
</tbody>
</table>

**Date well started completed**

<table>
<thead>
<tr>
<th>Date</th>
<th>Well No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7/10/72</td>
<td>GW 1</td>
</tr>
<tr>
<td>7/12/72</td>
<td></td>
</tr>
</tbody>
</table>

**Type of well**

[Blank]

**Equipment used**

[Blank]

**Water Use**

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other

**Describe**

If used for Irrigation, Industrial, drainage or other. Explain, number of acres and location or other data (e.g. Lot, Block and Addition).

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Draw</th>
<th>Size and Rate of Flow</th>
<th>To (Ft.)</th>
<th>Size</th>
<th>To (Ft.)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6&quot; in 3/16&quot;</td>
<td>47</td>
<td>54</td>
<td>0&quot;</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level**

30 ft.

**Pumping water level**

30 ft.

at 19 gallons per minute measured 3 minutes after pumping began.

*Measured from ground level.

**Well developed by**


**Power Pump**

[Blank] HP

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

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

Driller's Signature

Driller's Address

**LICENSE NO.**

51.34 Show exact depth of bottom
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

County of: State of:

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

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

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

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

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:

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

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

7. The depth of water table:

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

9. 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.
Notice of Completion of Groundwater Appropriation by Means of Well

Notice of appropriation of ground water

Appropriation by Means of Well
developed after January 1, 1902

Under Chapter 237, Montana Session Laws, 1961

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

**Date of Notice of appropriation of groundwater**: 

**Date well started**: 4/19/68

**Date completed**: 6/30/68

**Type of well**: Drilled

**Equipment used**: Rotary

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

**Shut-in Pressure for Flowing Well**:...

**Static Water Level for non-flowing well**:...

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

**How Tested**: Open flow

**Length of Test**: 48 hours

**Remarks**: Gravel packing, cementing, packers, etc. (Continue on reverse side)

**Driller's License Number**: 44,155

**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, tissue copy to be retained by driller.

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: Harold Loff
Address: C.R. Cleve, Main

Driller: Joe Johnson
Address: Terry, Mont.

Date of Notice of Appropriation of Groundwater

Date well started: 7/14/67
Date completed: 7/14/67

Type of well: Drilled
Equipment Used: Rotary
(Deg. drilled, bored or churn, drill, rotary or other)

Water Use: Domestic [x] Municipal [□] Other [□] Irrigation [□]
Industrial [□] Drainage [□] Stock [□]

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

How Tested: Length of Test: 24 hrs.
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.

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

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

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

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

+2.238
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 297, Montana Session Laws, 1911)

**Top of Ground**

**File No.**

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

**Owner**

**Address**

**Driller**

**Address**

**Date of Notice of Appropriation of Groundwater**

**Date Well Started**

**Date Completed**

**Type of Well**

**Equipment Used**

**Type of Water Use**

**Water User**

**Indicate on the diagram the character and location of the strata met with in drilling, name of strata, depth at which water is encountered, depth of well, and bearing stress and height to which water rises in the well.**

**Show exact depth of bottom.**

**Static Water Level for non-flowing well**

**Shut-in Pressure for flowing well**

**Pumping Water Level**

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

**How Tested**

**Flow**

**Length of Test**

**Remarks** (Gravel, cementing, packers, type of strata, location of place of use of groundwater, if not at well, and any other 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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.**

42,238
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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

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

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

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

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

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

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

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

8. The depth of water table: ____________________________

9. So far as it may be available, the type, size and depth of each well on 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 Appropriaor.
# WATER WELL LOG

**MONTANA BUREAU OF MINES AND GEOLOGY**

**Butte, Montana**

**Owner:** **Elhardt Brothers**  
**Address:** **Fallon, Mont**

**Driller:** **Harry H. Johnson**  
**Address:** **Terry, Mont**

**Date Started:** **Mar. 2, 1960**  
**Date Completed:** **Mar. 21, 1960**

**Location:** Sec. **20 T. 13 R. 53 W. ¼**

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

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 22 ft.</th>
<th>Type</th>
<th>API</th>
<th>Size: 7 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>0 ft. to 750 ft.</td>
<td>Type</td>
<td>Std. Pipe</td>
<td>Size: 2&quot;</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size.</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>500 ft. to 660 ft.</td>
<td>660 ft. to 780 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Holes</td>
<td>Stat. Water level, for non-flowing well:</td>
<td>Flow</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td></td>
<td>25 lb./sq. in. on:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td></td>
<td>25 gal. per min.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Packed at 110 ft. 5 sack Cement**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top Soil</td>
</tr>
<tr>
<td>14</td>
<td>Sand and Gravel</td>
</tr>
<tr>
<td>48</td>
<td>Shale</td>
</tr>
<tr>
<td>90</td>
<td>Coal</td>
</tr>
<tr>
<td>98</td>
<td>Shale</td>
</tr>
<tr>
<td>106</td>
<td>Coal</td>
</tr>
<tr>
<td>116</td>
<td>Blue Shale w/ Coal Seams</td>
</tr>
<tr>
<td>325</td>
<td>Sandstone</td>
</tr>
<tr>
<td>335</td>
<td>Blue Shale w/ Coal Seams</td>
</tr>
<tr>
<td>540</td>
<td>Blue Sandstone</td>
</tr>
<tr>
<td>540½</td>
<td>Rock</td>
</tr>
<tr>
<td>540½</td>
<td>Blue Sandstone</td>
</tr>
<tr>
<td>570</td>
<td>Grey Shale</td>
</tr>
<tr>
<td>640</td>
<td>Blue Sandstone</td>
</tr>
<tr>
<td>670</td>
<td>Grey Shale</td>
</tr>
<tr>
<td>720</td>
<td>Brownish Red Shale</td>
</tr>
<tr>
<td>725</td>
<td>Sandstone and Grey Shale</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Richard F. Waldo

File No.

County:

State Engineer

Declaration of Vested Groundwater Rights

Richard F. Waldo

County of

State of

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

1. Name of Appropriate (Under Chapter 237, Montana Session Laws, 1961)

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 Quaduplicate for the Appropriate.
<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Harold Lapp</td>
</tr>
<tr>
<td>Driller</td>
<td>Henry I Johnson</td>
</tr>
<tr>
<td>Date Started</td>
<td>Mar. 3, 1961</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Mar. 21, 1961</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 24, T 13, R 53, 1/4 sec.</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Rotary</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other:</td>
</tr>
<tr>
<td>Casing:</td>
<td>0 ft. to 835 ft. Type: Std Size: 2&quot;</td>
</tr>
<tr>
<td>Casing:</td>
<td>835 ft. to 660 ft. Type: Size:</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>620 ft. to 660 ft. 780 ft. to 830 ft.</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>30 feet.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>30 lb./sq. in. on: 3/20/61</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>Flow feet at 30 gal. per min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Flow</td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td>Packer set</td>
<td>195 ft.</td>
</tr>
<tr>
<td>cement Placed</td>
<td>14 slce cement Placed</td>
</tr>
<tr>
<td>(over)</td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>0 - 18</td>
<td>top soil loam</td>
</tr>
<tr>
<td>18 - 40</td>
<td>sand and gravel</td>
</tr>
<tr>
<td>40 - 56</td>
<td>blue shale</td>
</tr>
<tr>
<td>56 - 60</td>
<td>gravel</td>
</tr>
<tr>
<td>60 - 77</td>
<td>shale</td>
</tr>
<tr>
<td>77 - 86</td>
<td>coal</td>
</tr>
<tr>
<td>86 - 195</td>
<td>shale</td>
</tr>
<tr>
<td>195 - 198</td>
<td>soft coal</td>
</tr>
<tr>
<td>198 - 345</td>
<td>shale w/ intermittent coal seams</td>
</tr>
<tr>
<td>345 - 350</td>
<td>fine sand</td>
</tr>
<tr>
<td>350 - 575</td>
<td>light blue shale</td>
</tr>
<tr>
<td>575 - 576</td>
<td>rock</td>
</tr>
<tr>
<td>576 - 585</td>
<td>sandstone</td>
</tr>
<tr>
<td>585 - 620</td>
<td>gray shale</td>
</tr>
<tr>
<td>620 - 660</td>
<td>sandstone w/ water</td>
</tr>
<tr>
<td>660 - 770</td>
<td>gray shale (soft)</td>
</tr>
<tr>
<td>770 - 780</td>
<td>brownish red shale</td>
</tr>
<tr>
<td>780 - 780½</td>
<td>soft rock</td>
</tr>
<tr>
<td>780½ - 839</td>
<td>sandstone w/ intermittent layers of shale</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Herbert W. Reuther
Name and Address

County of

State of

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:
   - House and stock watering

2. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - 1940 - Continuous

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

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Drilled - Sand casing - 200 feet

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - Completed 1956

7. The depth of water table:
   - 205 feet

8. 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 - Sand casing - 200 feet

9. The estimated amount of groundwater withdrawn each year:
   - 756,100 gallons

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

11. 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: Herbert Reuther
   Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; Quadruplicate for the Appropiator.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Bill Naide**
   - Name of Appropriator
   - Of: **Fellow**
   - County: **Dunle**
   - State of: **Montana**

2. The beneficial use on which the claim is based:
   - **Ditch watering**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - **1914 - Continuous since that date**

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - **1 gal. 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:
   - **Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - **Commenced 1914 - Completed 1914 - fitted to tank**

8. The depth of water table:
   - **Self-flowing string**

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

10. The estimated amount of groundwater withdrawn each year:
    - **525,000 gallons**

11. The log of formations encountered in the drilling of each well if available:
    - **Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.**

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

**Signature of Owner: Bill Naide**

**Date: December 16, 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.
Declarations of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator: William
   Address: Prairie
   County of: Prairie
   State of: Montana

2. The beneficial use to which the claim is based: Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Jan 1, 1905

4. The amount of groundwater claimed (in 'miner's inches or gallons per minute'): 10 gallons - 50 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: 100 acres in W. T. Grant

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1905

8. The depth of water table: 200 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: Self-flowing Springs

10. The estimated amount of groundwater withdrawn each year: 2,628,000 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 applicable

Signature of Owner: William
Date: Jan 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.