# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

## Declaration Details

**1. Name of Appropriator:** Frank H. Heland  
**2. Beneficial use on which the claim is based:**  
**3. Date or approximate date of earliest beneficial use:**  
**4. Amount of groundwater claimed:**

<table>
<thead>
<tr>
<th>Name of Town</th>
<th>NE</th>
<th>Sec</th>
<th>T</th>
<th>R</th>
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**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. Means of withdrawing such water from the ground and the location of each well or other means of withdrawal:**

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

**8. Depth of water table:**

**9. Type, size and depth of each well or general specifications of any other works for withdrawal of groundwater:**

**10. Estimated amount of groundwater withdrawn each year:**

**11. Log of formations encountered in drilling of each well if available:**

**12. 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 27, 1963

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

1. Phillip Murphy, of Belfry, 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 Appropriate.
WATER WELL LOG

Owner: Gottfried Cackle
Address: Watkins, Montana

Driller: Ira C. Bond
Address: Terry, Montana

Date Started: July 1, 1958
Date Completed: July 3, 1958

Location: Sec. 30 T. 16 R. 71 1/4 NW

Type of well: Drilled
Equipment used: Cable Tool

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

Casing: 0 ft. to 32 ft. Type: steel Size: 4 inch
Casing: [ ] ft. to [ ] ft. Type: [ ] Size: [ ]
Casing: [ ] ft. to [ ] ft. Type: [ ] Size: [ ]

Perforated or Screened: Ft. 15 to ft. 19 to ft. [ ] Ft. [ ] to ft. [ ]

Type of screen or perforations: 5/16 holes, 3 in. apart with cutting torch

Static Water level, for non-flowing well: 23.14 feet

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

Pumping water level: 27 feet at 6 gal. per min.

How tested: Bailed
Length of test: 30 minutes

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

(over)
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<td>Brown clay</td>
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<tr>
<td>15</td>
<td>Gravel</td>
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<tr>
<td>18</td>
<td>Yellow clay</td>
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STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

1. Bureau of Land Management  
   Box 960, Miles City  
   (Name of Appropriator)  
   (Address)  
   (Town)  

   County of  
   State of  

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

   2. The beneficial use on which the claim is based ————Livestock water———

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) ————3 gal/min———

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

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

   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 ————91———

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater ————Drilled well 91' deep — standard 4' casing———

   10. The estimated amount of groundwater withdrawn each year ————1,500,000 gal———

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

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

   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.

   District Manager  
   Date
**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**

Burl Willardson

**Address**

Terry & Montana

**File #**

93964

**Date well started**

6/26/72

**GW #**

1

**Date well completed**

6/30/72

**Type of well**

Drilled

**Equipment used**

Cable tool

**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**

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<th>120 GPM</th>
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<th>200 GPM</th>
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**FACILITIES**

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<th>Depth (ft)</th>
<th>Diameter (in)</th>
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</table>

**Plastic**

**Description**

Static water level __________ ft.

Pumping water level __________ ft.

at __________ gallons per minute, measured __________ minutes after pumping began.

*Measured from ground level.

**Well developed by**

**Driller**

**Hours**

**Power**

**Pump**

**HP**

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

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

Driller’s Signature ____________________________

Driller’s Address ____________________________

LICENSE NO. 27

RECEIVED County: Prairie

JUL 17 1972

DRILLER'S LOG

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.
v3904

State vs. Hall

Erin Williams

to

The Public

FILED

at 1:30 o'clock P.M.

Jul 14, 1972

[Signature]

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Jack Hunt
Address: Terry, Mont.

Driller: Jack Hunt & Sons
Address: Terry, Mont.

Date of Notice of Appropriation of Groundwater:
Date well started: 6/10/66
Date completed: 6/12/66

Type of well: drill
Equipment used: cable tool
(dug, 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>
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<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
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Static Water Level for non-flowing Well: 30 feet.
Shut-in Pressure for Flowing Well:

Pumping Water Level: 10 ft. at 3 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: bailed
Length of Test: 2 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):

Driller's License Number

Driller's Signature

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

Show exact depth of bottom.

NE 1/4 SW 1/4 Sec 32 T.16 R.47

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.

T.16 R.47
## GROUNDWATER INDEX

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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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: Harold Peabody
Address: Terry, Montana

Date well started: 4/12/73
Date well completed: 4/14/73

Type of well: Drilled

Equipment used: Cable Tool

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 Well</th>
<th>Rise and Fall of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
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<td>3/16</td>
<td>88</td>
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Static water level: 70 ft
Pumping water level: 90 ft

Power: Wind

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: Terry, Montana

License No: 37
Statut Shell City

Herred Parish

To

The Parish

Filed

9/24/73

JAN 7 1974
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 filled
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: Harold Peabody
Address: Terry, Montana
File: 94688
Date well started: 4/10/72
Date well completed: 4/14/72

Type of well: Drilled
Equipment used: Cable tool
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</th>
<th>Size and Depth of Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>6 1/4&quot; x 40</td>
<td></td>
<td></td>
<td>none</td>
</tr>
<tr>
<td>5 5/8&quot;</td>
<td>4 5/8&quot; x 68</td>
<td></td>
<td></td>
<td>shales 53 67</td>
</tr>
</tbody>
</table>

Static water level: 40 ft.
Pumping water level: 54 ft.

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

Driller's Signature: R. W. C. Bradle
Driller's Address: Terry, Montana

LICENSE NO.: 37

W

\[ 5W \times 4E \text{ Sec.} \]

T. 16 N R. 14 E W

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

Power: Pump: SPA HP
Remarks: Gravel packing, cementing, packers, type of shutoff
Gravel packed

Show exact depth of bottom: 68

53,621
94898

Staten Hill Dock
Harrell P. Read
The Public

FILED

11-1-1973

[Signature]

[Date]
# Declaration of Vested Groundwater Rights

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

## 1. Pat Reynolds, Appropriator
- **County:** Prairie
- **State:** Montana

They 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
- **1961—present**

### 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

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

**Windmill**

### 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
- **May 1961**

### 8. The depth of water table
- **180 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
- **5-inch casing**

### 10. The estimated amount of groundwater withdrawn each year
- **2,692,800 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**

---

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
DEVELOPED AFTER JANUARY 1, 1982
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Harold Peabody
Address: Terry, Montana

Driller: T. O. Bond & Sons
Address: Terry, Montana

Date of Notice of appropriation of groundwater: 1/22/70
Date well started: 1/22/70
Date completed: 1/24/70

Type of well drilled: Drilled
Equipment used: Table tool
(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, 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 Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8”</td>
<td>5”</td>
<td>132</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 100 feet
Shut-in Pressure for Flowing Well: 500 feet
Pumping Water Level: 124 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well: 120 gal.

How Tested: Bailed
Length of Test: 4 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Gravel packed

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).

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

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

Driller's License Number: Peter O. Bond
Driller's Signature: 48347
Halen

To the Postman

Filed

2/27/21

[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)

1. Pat Reynolds, of Terry, 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
   - 1933-present

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   - July 10, 1958

8. The depth of water table
   - 105 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
   - 5-inch casing

10. The estimated amount of groundwater withdrawn each year
    - 2,699,000 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

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
(Under Ch. 237, Montana Session Laws, 1961)

Owner:

Driller:

Date of Notice of Appropriation of Groundwater:

Date well started:

Date completed:

Type of well:
- dug
- driven
- bored
- other

Equipment used:
- Cherry
- drill
- rotary
- other

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>Size of Drilled Hole</th>
<th>Size of Drilled Hole</th>
<th>From</th>
<th>To</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in.</td>
<td>6 in.</td>
<td>3</td>
<td>78</td>
<td>drilled</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well:

Shut-in Pressure for Flowing Well:

Pumping Water Level:

Discharge in gal. per min. of flowing well:

How Tested:

Length of Test:

Remarks:

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 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. Charles R. MoLean of Terry
   (Name of Appropriator) (Address) (Town)
   County of 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: Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Aug 1952, 4 mo per year

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Aug 1962

8. The depth of water table: 32 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, 4 in casing, 68 feet deep

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

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: Charles R. MoLean
Date: 9 Dec 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)

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**Declaration of Vested Groundwater Rights**

1. **Author of Appropriator**
2. **County of**
3. **State of**
4. **Date or approximate date of earliest beneficial use; and how continuous the use has been**
5. **The amount of groundwater claimed (if miner's inches or gallons per minute)**
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.
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Arthur Mozart, of Montana

County of Jefferson State of Montana

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

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

   No. 1 - Domestic
   No. 2 - Irrigation

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

   No. 1 - 1955
   No. 2 - 1955

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

   No. 1 - 2 gallons
   No. 2 - 6 gallons

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

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

   No. 1 - Domestic
   No. 2 - Irrigation

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

   No. 1 - Commenced 1955 Completed 1955
   No. 2 - Commenced 1955 Completed 1955

8. The depth of water table:

   No. 1 - 30 feet
   No. 2 - 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:

   No. 1 - Domestic
   No. 2 - Irrigation

   Water: 1 inch - 5.7 feet

10. The estimated amount of groundwater withdrawn each year:

    No. 1 - 12,000 gallons
    No. 2 - 18,000 gallons

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

    Not available for either

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER DODE
OFFICE OF STATE ENGINEER

1. FRED or BARBARA SCHWANTZ of TERRY,
   (Name of Appropriator) (Address)
   County of 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. STOCK

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 100 gal per min.

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

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

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

8. The depth of water table. UNKNOWN

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. UNKNOWN

10. The estimated amount of groundwater withdrawn each year. UNKNOWN

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

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

Signature of Owner. FRED SCHWANTZ

Date. April 10, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Water Well Log
File Signature
To The Public

Filed
12:15 p.m.
Rolling St.
County Clerk
Feb. 24, 1968

Received
Apr. 17, 1968
State Engineer
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
OFFICE OF STATE ENGINEER

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

1. Freder Schwartz
   of
   County of: PRARIE
   State of: MONTA

   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

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

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

   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: None

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: None

   8. The depth of water table: None

   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: None

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

   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: Freder Schwartz
   Date: April 10, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
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: Burlington Northern Inc.
Address: St. Paul, Minnesota

FOR ADMINISTRATOR'S USE:
File # 22-4-6
9-15 a.m.

Date well started: Oct. 16, 1970
Well completed: Oct. 27, 1970

Type of well: Drilled
Equipment used: Drilled

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: 50,000 gallons

PERFORATIONS:

<table>
<thead>
<tr>
<th>Size of Drilling</th>
<th>Depth (Feet)</th>
<th>Total Perfo.</th>
<th>Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot; plastic</td>
<td>+1</td>
<td>76</td>
<td>3/8</td>
<td></td>
</tr>
</tbody>
</table>

POWER:
Pump: HP

REMARKS: (Gravel packing, cementing, packers, type of shutoff)
Gravel packed

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

Driller's Signature: [signature]
Driller's Address: [address]

LICENSE NO. 13

Show exact depth of bottom 76
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Pat Reynolds
   (Name of Appropriator)
of. Terry
   (Address)
   County of 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: Stock-water

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

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Exact data not available

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: 18-inch casing

10. The estimated amount of groundwater withdrawn each year: No estimate available

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: 

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.

136740
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Charles R. McLean
   (Name of Appropriator)
   of
   (Address)
   (Town)
   County of 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: Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1956, 6 months per year.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 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: None

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

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

8. The depth of water table: 100 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, 4-in-Casing, 118 Ft-Deep

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

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: Charles R. McLean
   Date: 9 Dec. 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. Charles R. McLean
   (Name of Appropriator) of Terry
   (Address) (Town)

   County of 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: Stock Water

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Oct. 1948 - Every day

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 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: Oct. 1948

   8. The depth of water table: 70 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, 4 In Casing, 98 feet deep

   10. The estimated amount of groundwater withdrawn each year: 1,728,000 Gal.

   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:

   Signature of Owner: Charles R. McLean
   Date: Dec. 9, 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. Charles R. McLean, of Terry
   (Name of Approp.ter) (Address) (Town)
   County of
   State of

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

   2. The beneficial use on which the claim is based — Stock Water

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been — Aug. 1960 — 6 Months of Year

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) — 15 Gal. per min.

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater — Aug. 1960

   8. The depth of water table — unknown

   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 — 4 In. casing — 180 ft. deep

   10. The estimated amount of groundwater withdrawn each year — 3,000,000

   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:Charles R. McLean
   Date: 9 Dec. 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
### WATER WELL LOG

**Owner:** Charles Nelson  
**Address:** Terry, Montana

**Driller:** Ira C. Bond  
**Address:** Terry, Montana

**Date Started:** September 5, 1960  
**Date Completed:** Sept. 9

**Location:** Sec. 22 T. 16 R. 48  
**ac. sec. 1AC

**Type of well:** Drilled  
**Equipment used:** Cable Tool

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

**Casing:**  
- 0 ft to 171 ft  
- Type: Steel  
- Size: 4 inch

**Screened:**  
- 0 ft to 171 ft  
- 167 ft to 168 ft

**Perforated or Screened:**  
- 3/16 in. holes cut three inches apart with torch

**Static Water level, for non-flowing well:** 145 feet.

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

**Pumping water level:**  
- 177 feet at 5 gal. per min.

**How tested:** with bailer

**Length of test:** one hour

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 1 to 10</td>
<td>Gumbo</td>
</tr>
<tr>
<td>10 to 31</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>31 to 38</td>
<td>Rock</td>
</tr>
<tr>
<td>38 to 45</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>45 to 52</td>
<td>Gumbo</td>
</tr>
<tr>
<td>52 to 72</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>72 to 127</td>
<td>Gumbo</td>
</tr>
<tr>
<td>127 to 150</td>
<td>Sand-water seep</td>
</tr>
<tr>
<td>150 to 176</td>
<td>Gumbo</td>
</tr>
<tr>
<td>176 to 190</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>190 to 214</td>
<td>Gumbo</td>
</tr>
<tr>
<td>214 to 238</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>238 to 267</td>
<td>Water sand</td>
</tr>
<tr>
<td>267 to 272</td>
<td>Gumbo</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

   County of PRABIE
   State of MONT.

   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: Stock and Household use.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1948 and

      CONTINUOUS SINCE.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 14 Gal Per Min.

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 50' x 50' Garden spot North Side of Dwelling.

   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: 1948.

   8. The depth of water table: 64 ft.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled 20 ft of casing 70 ft overall.

   10. The estimated amount of groundwater withdrawn each year: 107500 gal.

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

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

   Signature of Owner: FRED SCHWARTZ
   Date: April 10, 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

## STATE OF MONTANA

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

(Under Chapter 237, Montana Session Laws, 1961)

---

**1.** FRED SCHWARTZ

(Owner)

(Neighbor)

(State)

(County)

(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: HOFS.

---

**3.** Date or approximate date of earliest beneficial use; and how continuous the use has been: 1949... due to water table dropping...

**4.** The amount of groundwater claimed (in miner's inches or gallons per minute): 1000 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:...

---

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

---

**7.** The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1949... (Summer).

---

**8.** The depth of water table: 3 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: Hand dug - 3 ft. diameter... Casing 3 ft. high, filled with building fill... Depth 8 ft.

---

**10.** The estimated amount of groundwater withdrawn each year: 1000 gal.

---

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

---

**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:**

FRED SCHWARTZ

Date: April 10, 1962

---

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

(UNDER CHAPTER 237, MONTANA SESSION LAWS, 1961)

1. **FRED or BARBARA SCHWARTZ**, of **TERRY**, 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: **STEAK**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1949 **CONTINUOUS USE**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **2 GALS. PER MIN.**

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

6. The means of withdrawing such water from the ground, and the location of each: **SPRINGER**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1949**

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: **UNKNOWN**

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: **FRED SCHWARTZ**

Date: April 18, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. \( \text{Name of Appropriator} \), \( \text{Address} \)

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 average or a description of the land to which water has been applied and name of the owner thereof.

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner: \( \text{Signature} \)
Date: \( \text{Date} \)

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.
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **FREDOR BARBARA SCHWARTZ**
   - (Name of Appropriator)
   - (Address)
   - (Town)

   County of: **PRAIRIE**
   - State of: **MONT**

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

   - **NE-34, Sec.24, T.66 N. 48 E.**

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

   - **X**
   - **W**
   - **S**

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been since: **1954 and continues**

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

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

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

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

   8. The depth of water table.

   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: **Continuous Flow of Water**

   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: **Fred Schwartz**
   - Date: **April 10, 1962**

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

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

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

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Location: Sec. 25, T. 16 R. 48 ¼, sec. ½ of the NW</th>
<th>Date Started: October 15, 1961</th>
<th>Date Completed: Oct. 20, 1961</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Municipal</td>
<td>Type of Well: Drilled</td>
<td>Equipment used: Churn drill</td>
</tr>
<tr>
<td>Water use: Domestic</td>
<td>Type: steel</td>
<td>(Churn drill, rotary, other)</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td>Size: 4.13</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing: Q ft. to 126 ft.</td>
<td>Type: steel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td>Type:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td>Type:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened: Ft. 118 to ft. 126</td>
<td>Ft. to ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations: 7/16-in. holes out three in. apart with loach</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well: 100 down to 118 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level: 2.6 feet at 4 gal. per min.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested: with bailer</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test: for one hour</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>1</td>
<td>Top soil</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>10</td>
<td>Clay and gravel</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>15</td>
<td>Gumbo</td>
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<td>Coal</td>
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</tr>
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<td>Sandstone</td>
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<td>110</td>
<td>Coal</td>
<td></td>
</tr>
<tr>
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<td>118</td>
<td>Sandstone</td>
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</tr>
<tr>
<td>118</td>
<td>128</td>
<td>Water sand 5 % gum</td>
<td></td>
</tr>
<tr>
<td>128</td>
<td>132</td>
<td>Gumbo</td>
<td></td>
</tr>
</tbody>
</table>