STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1964)

STATE ENGINEER

1. Wilbur Storey,
   (Name of Appropriator)
   of Route 1, Bozeman
   (Address)
   (Town)
   County of Gallatin
   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 and house water

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      (1) 1880, (2) 1896, (3) 1951

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 gallons per minute for each.

   5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof:
      Used only for garden and yard

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

   7. The dates of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      (1) 1880, (2) 1923, (3) 1951

   8. The depth of water table: approximately 60 ft.

   9. So far as may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
      (1) 6 in. casing, 60 ft. deep,
      (2) 6 in. casing, 60 ft. deep,
      (3) 6 in. casing, 60 ft. deep.

   10. The estimated amount of groundwater withdrawn each year:
      (1) and (2) 1000 gallons a day, (3) 200 gallons a day

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

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:
      None

Signature of Owner: 

Date: 1/20/63

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

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

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

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

1. Vocal E. Eaton
   (Name of Appropriator)
   of
   (Address)
   Town

   County of Gallatin
   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: Domestic and Stack

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1962 and continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pump Jack until 1962 and now a submersible electric pump (Sec. 16, T. 26, R. 4E)

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

8. The depth of water table: 90 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well, 6 in. casing, 180 feet deep

10. The estimated amount of groundwater withdrawn each year: Approximately 400,000 gallons

11. The log of formations encountered in the drilling of each well if available: Clay, top soil and rocky formations

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: Elean. Eton
Date: December 12, 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)

1. Vera B. Eaton
   (Name of Approprietor)  
   County of Gallatin
   State of Montana

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. 1926 and continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump, tank and electric motor. SEE SK, Sec. 17, T. 25 S. R. 46 W.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1926 dug by hand and drilled in 1947.

8. The depth of water table. 25 feet deep.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drilled well, 6 in. casing, 40 feet deep.

10. The estimated amount of groundwater withdrawn each year. Approximately 400,000 gallons

11. The log of formations encountered in the drilling of each well if available. Clay, top soil and rocky formation.

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. Form.

Signature of Owner  Vera B. Eaton
Date December 12, 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 Approprietor.
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>1. Name of Appropriator</th>
<th>2. The beneficial use on which the claim is based</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vera B. Eaton</td>
<td>Domestic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3. Date or approximate date of earliest beneficial use; and how continuous the use has been</th>
<th>4. The amount of groundwater claimed (in miner's inches = gallons per minute)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1916 and continuous</td>
<td>20 gallons per minute</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>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</th>
<th>6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Not used for irrigation.</td>
<td>First was hand pump and now jet pump. SW 1/4 NW 1/4, Sec. 17, T. 25 N., R. 46 E.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater</th>
<th>8. The depth of water table</th>
</tr>
</thead>
<tbody>
<tr>
<td>1916</td>
<td>60 feet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>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</th>
<th>10. The estimated amount of groundwater withdrawn each year</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled Well, 4 in. casing and 108 feet deep.</td>
<td>Approximately 400,000 gallons</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11. The log of formations encountered in the drilling of each well if available</th>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay, top soil and rocky formation.</td>
<td>Nome</td>
</tr>
</tbody>
</table>

Signature of Owner: Vera B. Eaton

Date: December 12, 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:** Henry V. Van S.  
**Address:** Chico, Montana

**Driller:** Charlie White  
**Address:**

**Date Started:** 1917  
**Date Completed:**

**Location:** Sec. 18 T., 25 R., 4E  
**Type of well:** Drilled  
**Equipment used:** Drill

**Water use:** Domestic [x]  
**Type:** Irrigation [x]

**Casing:** 40 ft. to ft.  
**Type:** Liner  
**Size:** inches

**Casing:**  ft. to ft.  
**Type:**  
**Size:**

**Casing:**  ft. to ft.  
**Type:**  
**Size:**

**Perforated or screened:** Ft. to ft.  
**Type:**  
**Size:**

**Type of screen or perforations:**

**Static water level, for non-flowing well:** 25 feet.

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

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

**How tested:** Electric Pump

**Length of test:** 3 days

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

(over)
Galena County, State of Montana
Filed Jan 29, 1961
1:15 P.M.

Carl Walker

County Clerk, Recorder

Feb 5, 1961
**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**

(Harold W. Todd, of Route 1, Bigmen, Montana)

County of Gallatin, State of Montana,

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

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use: and how continuous the use has been: 1925—In continuation

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 100 acres—Temporary Garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1925

8. The depth of water table: 4 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: Drill well—4-inch casing—40 feet deep

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

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

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: Harold W. Todd

Date: Oct 16, 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)

Harold W. Todd of Butte, Montana
(.Name of Appropriate) (Address) (Town)

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: Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1945 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20 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 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: Water comes out of bent pipe

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 - 14 inch casing 30 feet deep

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

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

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: Harold W. Todd
Date: Feb. 15, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; and quadruplicate for the Appropriate.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

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

Type of well: _____ Equipment Used: _____
(Dug, driven, bored or drilled)

Water Use: Domestic [X] Municipal [ ] Industrial [ ] Other [ ] Irrigation [ ]

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

<table>
<thead>
<tr>
<th>Size of Defect</th>
<th>Max.</th>
<th>Min.</th>
<th>From</th>
<th>To</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>7”</td>
<td>6.50</td>
<td>0</td>
<td>47</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well ______ feet.
Shut-in Pressure for Flowing Well ______
Pumping Water Level ______ feet at 15 gal. per minute.
Discharge in gal. per min. of flowing well ______

How Tested: [ ] Bailer Length of Test Z 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

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.
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Dec. 17, 1963
Owner: Herman Vonder Voo
Address: R. 1, Big Horn

Contractor (if any) 
Address of Contractor 

Date Started 
Date Completed 

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

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

Signature of Owner: Herman Vonder Voo 
Date: 12-17-1963 

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
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:

Address:

Homestead, Nanton

Date well started

Date well completed

Type of well

Equipment used

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>Sort of Water</th>
<th>Rate of Flow</th>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS

Static water level

Pumping water level

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

Form may be returned.

County GALLATIN

ON THE MAP:

Show exact depth of bottom

50,162
State of Montana
County of Gallatin
Filed April 26, 1972
at 1:05 P.M.
Carl I. Study

Donald C. Bridger

Fee $100.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. J.W. Todd, Jr. of Route 1, Bosman
   (Name of Appropriator) (Address) (Town)

2. The beneficial use on which the claim is based: Household, Stock water, Yard & Garden irrigation

3. The date or approximate date of earliest beneficial use; and how continuous the use has been: 1905 and fairly continues since then.

4. The amount of groundwater claimed (in inches or gallons per minute): 20 gallons per minute

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

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: Well dug in 1905, electric pump in 1955

8. The depth of water table: 25 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 in. tile, 35 ft. deep

10. The estimated amount of groundwater withdrawn each year: 110,000 gallons per year

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not available

Signature of Owner: J.W. Todd, Jr.
Date: 12-17-63

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

Filed:  NOV. 19 1963  
at  11:00 p.m.  

Earl Walters  
COUNTY CLERK & RECORDER  

By  
DEPUTY  

Fee $2.00
STATE OF MONTANA
DEPARTMENT OF GROUNDWATER CODE
OF THE STATE ENGINEER

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

1. Wilbur Storey
   Name of Appropriator
   of Route 1
   Address
   Town

   County of Gallatin
   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 and house water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: (1) October 1956, continuous; (2) 1980, continuous; (3) natural spring, continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 gallons per minute, per well

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof:
   Used only for garden and yard

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: (1) Started and completed in October 1956; (2) 1980; (3) Natural Spring

8. The depth of water table: 85 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: (1) 6 in. casing, 110 ft. deep; (2) 6 in. casing, 100 ft.; (3) Natural spring.

10. The estimated amount of groundwater withdrawn each year: 200 gal. per day per well

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: Wilbur Storey
   Date: 2-1-63

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
County of Gallatin ss.

Filed November 22, 1963
at 11:12 o'clock A.M.

Karl Walton
COUNTY CLERK & RECORDER
by F. V. McFadden DEPUTY

Fee $12.00 paid
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>DATE STARTED</th>
<th>DATE COMPLETED</th>
<th>LOCATION: Sec.:</th>
<th>TYPE OF WELL</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>7/17/1921</td>
<td>8/31/1921</td>
<td>23 T.28 R.4 E.</td>
<td>DRILLED</td>
</tr>
</tbody>
</table>

Type of well: \( \text{DRILLED} \)

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Equipment used: (Check drill, rotary, other)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic ( \checkmark )</td>
<td></td>
</tr>
<tr>
<td>Municipal ( \square )</td>
<td></td>
</tr>
<tr>
<td>Stock ( \square )</td>
<td></td>
</tr>
<tr>
<td>Irrigation ( \square )</td>
<td></td>
</tr>
<tr>
<td>Industrial ( \square )</td>
<td></td>
</tr>
<tr>
<td>Drainage ( \square )</td>
<td></td>
</tr>
<tr>
<td>Other: ( \square )</td>
<td></td>
</tr>
</tbody>
</table>

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

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

Type of screen or perforations: 

Static Water level, for non-flowing well: 13 feet.

Shut-in pressure, for flowing well: 15 lb./sq. in. on: (date)

Pumping water level: 13 feet at 20 gal. per min.

How tested: 

Length of test: 13 hrs.

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
<td></td>
<td>Soil and gravel</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
<td></td>
<td>Gravel</td>
</tr>
<tr>
<td>20</td>
<td>31</td>
<td></td>
<td>Gravel and rock</td>
</tr>
</tbody>
</table>

Bullitt County, Ky.
State of Kentucky.
Filed 23rd day of Dec., 1951.

By

COUNTY CLERK
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Wesley R. Atchison, of Route 1, Bozeman

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

2. The beneficial use on which the claim is based, household and stock water.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: July 1929

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 100 acres

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: 1929

8. The depth of water table: approximately 20'

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: 100 ft

10. The estimated amount of groundwater withdrawn each year: 15,000

11. The log of formations encountered in the drilling of each well if available: 30 ft.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: 210 Acres

Signature of Owner: Wesley R. Atchison

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.
County of Gallatin (SS)

December 30

Filed: 9:15 A.M. 1963

By: Deed

Fee $2.00

DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: James C. Boyd
Address: Box 53

Driller: M.E. Johnson
Address: Box 27

Date of Notice of Appropriation of groundwater: March 15

Date completed: March 16, 1967

Type of well: Drill

Equipment used: Churn Drill

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

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

[ ] Industrial [ ] Drainage [ ] [ ] Other [ ]

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

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

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

Tract 480, Rainbow Subdivision

Sec. 28, T. 25 R. 25

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

(Continue on reverse side)

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

Driller’s License Number

Driller’s Signature
State of Montana
County of Gallatin
Filed May 5, 1957
at 11:30 a.m.
Clerk of Court
By: John D. Wyckoff
Deputy
Fee $700.00
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: Ron Campbell
Address: Route 1, Box 5715
Bosman, Montana
Date well started: 6-8-72
Date well completed: 6-9-72
Type of well: Artifical
Equipment used: Cable drill
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 Unit (sq ft)</th>
<th>Size and Weight of Hole</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>REDUCTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' x 6' I.D.</td>
<td>160, 11' well, 150 ft</td>
<td>36' x 6'</td>
<td>36' x 6'</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 6 ft
Pumping water level: 30 ft
at 200 gallons per minute, measured minutes after pumping began.

*Measured from ground level.

Well developed by 5.6 ft. HP for 2 hours.

Driller's Address: Harlow Drilling

Driller's Signature: 

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

Top of Ground (Gals. above sea level)

<table>
<thead>
<tr>
<th>From (ft)</th>
<th>To (ft)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>5</td>
<td>Clay</td>
</tr>
<tr>
<td>5</td>
<td>17</td>
<td>Gravel, sandy gravel</td>
</tr>
<tr>
<td>17</td>
<td>23</td>
<td>Sand, gravel</td>
</tr>
<tr>
<td>23</td>
<td>36</td>
<td>Clay - concrete, gravel</td>
</tr>
</tbody>
</table>

Lot 43, Rainbow Subdivision, Bosman, Big Springs Tracts.

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

Driller's Address: Harlow Drilling

Driller's Signature: 

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

Show exact depth of bottom

59 104
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

EMMETT A. CRAIL of ROUTE 1, BOZEMAN.
County of GALLATIN State of MONTANA
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriate (Address) (Town)

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continuous since 1950

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: 1972 Drilled

8. """" depth of water table: High 6 feet Low 12 feet

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

10. The estimated amount of groundwater withdrawn each year: 15,000 gal.

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

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: EMMETT A. CRAIL
Date: Oct. 9, 1965

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
State of Montana
County of Gallatin

Filed October 22, 1965
at 11:55 a.m.

CARL L. STUDT
County Clerk

By DEPUTY

Fee $2.00 pd.
Form No. 18  
8-60

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

Water Well Log

Owner: J.S. FREEMAN  
Address: STAR ROUTE  
BUTZEMAK MONT

Driller:  
Address:  

Date Started:  
Date Completed: 1940  

Location: Sec. 23 T SOUTHR. 4 EAST 6 sec.  SOUTHEAST

Type of well: DUG  
Equipment used: PICK SHOVEL

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

Casing: 11 ft. to __ ft.  Type: TILE  
Size: 4 1/2

Casing: __ ft. to __ ft.  Type:  
Size:  

Casing: __ ft. to __ ft.  Type:  
Size:  

Perforated or Screened: Ft. to Ft.  

Type of screen or perforations: NONE

Static water level, for non-flowing well: 3 TO 7 feet.

Shut-in pressure, for flowing well: ___ lb./sq. in. on: (psi)
Pumping water level: ______ feet at: ______ gal. per min.

How tested:  
Length of test:  

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, Feet ( \frac{11}{2} )</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From Top</td>
<td>G R A V E L</td>
</tr>
<tr>
<td>To Bottom</td>
<td></td>
</tr>
</tbody>
</table>

*Note: The table contains a single entry, indicating the material drilled is gravel.*
**Form No. 18**

**T. 2 South R. 4 East**

**County: Gallatin**

**MONTANA BUREAU OF MINES AND GEOLOGY**

**Butte, Montana**

**Water Well Log**

**Owner: J. S. Freeman**  **Address: Bozeman Mont
Driller: Vandyken**  **Address: Bozeman Mont
Date Started: __________  Date Completed: Dec. 8th, 1947**

**Location:** Sec. 23 T. 2 South R. 4 East 1/4 sec. South East

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

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

**Casing:**
1. 23 ft. to ______ ft.  Type **STEEL**  Size ______
2. ______ ft. to ______ ft. Type ______ Size ______
3. ______ ft. to ______ ft. Type ______ Size ______

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

**Type of screen or perforations:**
- **FOOT VALVE**

**Static water level, for non-flowing well:** 13 ______ feet.

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

**Pumping water level:** ______ feet at EST. 30 gal. per min.

**How tested:** KOT TESTED

**Length of test:**

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

__________

__________

__________

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet 19</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>GRAVEL</td>
</tr>
</tbody>
</table>

**State of Montana**, 1911

File No. 7018

Burlington, 1911

[Signature]

[Signature]
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner: Philip C. Hammate
Address: RF Macomber

Driller: David Wells
Address: Butte, Montana

Date Started: 6/1/1961
Date Completed: 7/3/1961

Location: Sec. 23, T. 25 R. 43 4 sec.

Type of well: Drilled

Equipment used:

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

Casing: 5 ft. to 29 ft. Type S11 Size 3/4 ID 15 ft.

Casing: ________ ft. to ________ ft. Type ________ Size ________

Casing: ________ ft. to ________ ft. Type ________ Size ________

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

Type of screen or perforations:

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

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

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

How tested: ________

Length of test: ________

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

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>19</td>
</tr>
<tr>
<td>29</td>
<td>33</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Elev. above sea level)</td>
</tr>
<tr>
<td>6-8 feet</td>
</tr>
<tr>
<td>10-20 gravel erratic</td>
</tr>
<tr>
<td>20-22 gravel erratic</td>
</tr>
<tr>
<td>22-23 gravel erratic</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert J. Haageman</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harold A. Hull</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date of Notice of Appropriation of Groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 1, 1967</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>June 1, 1967</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drill</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Equipment Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chisel, drill, rotary or other</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
</tr>
</tbody>
</table>

| Indication on diagram the character and thickness of 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>Date of Drilling</th>
<th>Depth of ( \frac{5}{2} ) feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>6.5 ( \text{feet} )</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water Level for non-flowing Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 feet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in Pressure for Flowing Well</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping Water Level</th>
<th>10 feet at 60 gal per minute</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Discharge in gal per min of flowing well</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>How Tested</th>
<th>Length of Test</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Driller's License Number</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Driller's Signature</th>
</tr>
</thead>
</table>

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 CODES
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1963.)

Name of Appropriator: Robert J. and Wanda Hararne
Address: 7608 Star Route Bozeman
Town: Bozeman
County: Gallatin
State: Montana

I 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: Home and Live Stock

2. The number and location of the wells:

<table>
<thead>
<tr>
<th>Number</th>
<th>Wells</th>
<th>Date or Approximate Date of First Use</th>
<th>Beneficial Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>Every Day</td>
<td>November 1, 1955</td>
<td>Permitted Yearly Use: 60 Gallons Per Minute</td>
</tr>
<tr>
<td>#2</td>
<td>Year 1973</td>
<td>Every Day</td>
<td>Permitted Yearly Use: 70 Gallons Per Minute</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>#1</th>
<th>Electric Pump Well in House</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2</td>
<td>Pump Well in House</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>#1</th>
<th>Electric Pump</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2</td>
<td>Pump</td>
</tr>
</tbody>
</table>

5. The date of commencement and completion of construction of the well and other works for withdrawal:

<table>
<thead>
<tr>
<th>#1</th>
<th>Earlier Than 1975</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2</td>
<td>1975</td>
</tr>
</tbody>
</table>

6. The depth of water table:

<table>
<thead>
<tr>
<th>#1</th>
<th>18' Approximate</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2</td>
<td>18' Approximate</td>
</tr>
</tbody>
</table>

7. The depth of water table:

<table>
<thead>
<tr>
<th>#1</th>
<th>18' Approximate</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2</td>
<td>18' Approximate</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>#1</th>
<th>Black Dirt 18 Ft. Sand</th>
</tr>
</thead>
<tbody>
<tr>
<td>#2</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

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:

Rainbow Subdivision of Bozeman Hot Springs Well #1 is on Tract #536
Well #2 is on Tract #536

Signature of Owner: Robert J. Hararne
Date: Dec 23, 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.
Form No. 18  
T. 2 South  
R. 4 East  
County: Gallatin  

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana  

Water Well Log  
STATE ENGINEER  

Owner: Robert E. Knipfer  
Address: Route 1, Bozeman, Mont.  
Driller:  
Address:  
Date Started:  
Date Completed: 1943 (?)  
Location: Sec. 23 T. 28 R. 4E 1/2 sec., Rainbow Subdiv.  

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(pump, drill, rotary, etc.)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>industrial</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>drainage</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

| Perforated or screened: | ___________ ft. to ___________ ft. | ___________ ft. to ___________ ft. |
|                        |                                        |                                        |
|                        |                                        |                                        |
|                        |                                        |                                        |

<table>
<thead>
<tr>
<th>Static water level, for non-flowing well:</th>
<th>___________ ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>19 ft.</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

WATER WELL LOG

Owner: A. A. Larsen  Address: Moyman, Mont
Driller: Dave Hyland Drilling  Address: Moyman, Mont

Date Started: 4/25/59  Date Completed: 4/26/59
Location: Sec. 23  T. 33 N. R. 4E  W. 1/4 sec. NW

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>4/25/59</td>
<td>4/26/59</td>
<td>Sec. 23  T. 33 N. R. 4E  W. 1/4 sec. NW</td>
</tr>
</tbody>
</table>

Type of well: Drilled  Equipment used: Cable tools

Water use: Domestic  Municipal  Stock  Irrigation  Industrial  Drainage  Other:

Casing: 0 ft. to 24 ft.  Type: screen ft.  Size: 6 3/16 17

Perforated or Screened: Ft. to Ft.  Type:  Screen.  Size:

Type of screen or perforations:

Static Water level, for non-flowing well: 10 ft.

Shut-in pressure, for flowing well: 36 lb/sq. in. (date)

Pumping water level: 10 ft.  feet at 40 G.P.M.  gal. per min.

How tested: Dailies

Length of test: 1 day

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 21</td>
<td>all Boulder gravel</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 231, Montana Session Laws, 1961)

Andrew Larson, 71 Route 1, Bozeman, Mont.

County of Gallatin
State of Montana

I, Andrew Larson, the Approprietor, 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: Domestic

2. Date of earliest beneficial use: June 1953

3. The type of well: Water Well

4. The amount of groundwater claimed (in inches per minute): 15

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 1, 1953

7. The depth of water table: 64'

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: Electric Pump

9. The estimated amount of groundwater withdrawn each year: Not Available

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:

12. Signature of Owner: Andrew Larson

Date: 1/2/1963

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
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
Bertha Logsdon

Address
Route 1, Box 74
Bozeman, Mont. 59715

Date well started
June 4, 1970

completed
June 5, 1970

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>Depth (ft)</th>
<th>Feet drawn</th>
<th>Feet drawn</th>
<th>Feet drawn</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5 1/2</td>
<td>0. 0</td>
<td>0. 0</td>
<td>0. 0</td>
</tr>
<tr>
<td>10</td>
<td>27</td>
<td>none</td>
<td></td>
</tr>
</tbody>
</table>

Static water level
Pumping water level

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

*Measured from ground level.

Well developed by
Pump
for
______ hours.

Power:
M. P. __________ HP

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

Tract 479, Rainbow Subdiv. of Bozeman Hot Springs Tracts

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
Each small square represents 40 acres.

Driller's Address
Rt I Bozeman, Montana

LICENSE NO. 47

Show exact depth of bottom

46555
**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.

**Top of Ground (Elms above sea level)**

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>Elms above sea level</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>soil</td>
</tr>
<tr>
<td>6</td>
<td>rock</td>
</tr>
<tr>
<td>16</td>
<td>rock &amp; gravel</td>
</tr>
<tr>
<td>28</td>
<td>clay &amp; rock</td>
</tr>
<tr>
<td>25</td>
<td>rock</td>
</tr>
<tr>
<td>20</td>
<td>rock &amp; gravel</td>
</tr>
<tr>
<td>26</td>
<td>sand &amp; gravel</td>
</tr>
</tbody>
</table>

**Date well started**

June 4, 1970

**Date well completed**

June 5, 1970

**Type of well**

Cable drill

**Equipment used**

Cable drill

**Water Use**

Domestic □  Municipal □  Stock □  Irrigation □

**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).**

Tract 12B, Rainbow Subdivision, Bozeman Hot Springs Tracts

**Estimated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Site of Water Type</th>
<th>Site of Water Location</th>
<th>Site of Water Description</th>
<th>Site of Water Factor</th>
<th>Site of Water Use</th>
<th>Site of Water Purpose</th>
<th>Site of Water Method</th>
<th>Site of Water Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8</td>
<td>0 D</td>
<td>I above</td>
<td>26</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level**

18 ft.

**Pumping water level**

10 ft.

**Gallons per minute**

90 gallons per minute

**Minutes after pumping began**

30 minutes

**Measured from ground level.**

**Well developed by**

Pump

**Power**

3 HP

**Remarks**

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

**Block 23, S. Sec. 6, Town 2, Range 11, E. Gallatin**

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

Driller's Signature: Harold B. Guild

Driller’s Address: B. Guild, Bozeman, MT 59715

License No. 47

Show exact depth of bottom:

48.542
**Declaration of Vested Groundwater Rights**

(Received January 15, 1964, State Engineer, Office of State Engineer, State of Montana, Gallatin County, County Engineer, Montana, February 15, 1964)

**1. Hugo Ivan Martin**  
(Name of Appropriator)  

**2. Route 1**  
(Address)  

**3. Bozeman**  
(Town)  

**County of Gallatin**  
(State of Montana)  

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

<table>
<thead>
<tr>
<th>Well Number</th>
<th>Water Use</th>
<th>Date of Use</th>
<th>Duration</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Domestic</td>
<td>1953</td>
<td>10 years</td>
<td>45 gpm</td>
</tr>
</tbody>
</table>

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

- 1 domestic well; 1 irrigation well

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

- Domestic, continuous
- Irrigation, 10 years

4. The amount of groundwater claimed (in minor's inches or gallons per minute) approximately 45 gallons per minute each well

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:

Name of Owner: one acre lawn, flower and vegetable gardens

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

- Electric pumps

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

- Domestic: unavailable
- Irrigation: begun February 1953

8. The depth of water table:

- 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:

- Domestic: 4 in. casing 60 ft. deep
- Irrigation: 15 ft. deep

10. The estimated amount of groundwater withdrawn each year:

- Unavailable

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

- Unavailable

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

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

ERNEST J. MONTFORTON, of

County of Montforton 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:

   for domestic use and watering of stock.

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

   July 1947 and has been continuously used since.

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

   25 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:

   Does not apply.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by electric pump and the well is located approximately 468' South of the N line of the SE 1/4 of the SW 1/4 and approximately 406' W of the E line of the SE 1/4 SW 1/4.

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

   July 1947.

8. The depth of water table:

   33 feet to bottom and water is found 12 feet from the surface of the ground.

9. So far as it may be available, the type, size and depth of each well or other means of withdrawal of groundwater, well with 6" casing, depth of well is 33 feet and water is withdrawn by electric pump.

10. The estimated amount of groundwater withdrawn each year:

    three million gallons per year.

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

    no log of formations 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:

    does not apply.

Signed: E. Montforton

Date: March 4, 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
County of Gallatin

Filed Dec. 31, 1963
at 2:55 o'clock p.m.

Karl Walton
COUNTY CLERK & RECORDER
By: A. McGrew
DEPUTY

Fee $2.00
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**Robert E. Mowery**  
(Name of Appropriate)

**Boxeman**  
(Address)

**County of Gallatin**  
(State of Montana)

I, Robert E. Mowery, of Route 1, Boxeman, Gallatin County, Montana, declare that I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

4. The amount of groundwater claimed (in either inches or gallons per minute) for ordinary household use, lawn, garden, etc.:

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 method 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:** Robert E. Mowery  
**Date:** 12-30-1962

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.