Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Floyd A Anderson  Address: Miller Creek Rd
Driller: John Farrell  Address: Arlee Mont

Date of Notice of Appropriation of Groundwater: June 8, 1965
Date well started: June 8, 1965
Date Completed: June 16, 1965

Type of well: Drilled
Equipment Used: Churn Drill

Water Use: Domestic  Municipal  Other  Irrigation

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>(5&quot; 1/4&quot; 62&quot;)</td>
<td>0</td>
<td>103&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 80 feet.
Shut-in Pressure for Flowing Well: 82 feet.
Pumping Water Level: 82 feet at 12 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: Pump
Length of Test: 24 hrs

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

Driller’s License Number
Driller’s Signature

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.

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 Chapter 237, Montana Session Laws, 1961)

Owner: Stephen J. Anderson  Address: Stevensville, Montana
Driller: Glenn Comp  Address: Missoula, Montana

Date of Notice of Appropriation of Groundwater: July 20, 1965
Date well started: July 20, 1965  Date Completed: July 21, 1965

Type of well: Drilled  Equipment Used: Churn drill
(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>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Drilling Collar</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 6'1.0&quot; 19.62&quot; to 52'10&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well 12' from G.L. feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 30 feet at 100 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested  Bailer & compress.  Length of Test 1 hour

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

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

Clyde Baker, of 742 S. 7th Ave, Missoula
Address
(Town)
County of Missoula, State of Montana

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 gallons

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

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: approximately 1948 or before

8. The depth of water table: 10 ft

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

10. The estimated amount of groundwater withdrawn each year: 

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: Clyde Baker
Date: 12-31-63

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

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

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

(Under Chapter 237, Montana Session Laws, 1931)

Richard Bauer

(Name of Appropriator)

of 1914 HUMBLE M-48A

(Address)

County of MISSOURI

(Town)

State of MONTANA


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

1. The beneficial use on which the claim is based

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

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

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

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

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

7. The depth of water table

8. 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

9. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date: Nov 20, 1963

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

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

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

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

STATE OF ENGINEER

1. Richard Bauer
   of 1914 Hughes Water
   (Name of Appropriator) (Address)

   County of Missoula — 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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: April 1961

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 44 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: 40 acres Richard Bauer

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: April 1961

   8. The depth of water table: 18 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: Domestic final 10 ft

10. The estimated amount of groundwater withdrawn each year: 20,000 gallons

11. The log of formations encountered in the drilling of each well if available: 6.3 ft. rock 0.8 ft. granite 14.5 ft. sand 34 ft. clay & gravel 52.5 ft. sand

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: Richard Bauer

   Date: Dec 20 - 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
521

214772

I received and filed this instrument the record on the 23 day of DEC. 1845
in 3.20 o'clock. P.M., permanent time
d at Missoula County, State of Montana
Witness my hand.
MARTIN L. FENNER, County Recorder
By:  B. C. Lawrie....... Deputy
Fee $ 2.25 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Richard Bauer, of 1914 Smith Avenue, Missoula, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

4. The amount of groundwater claimed (in tailor'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: Richard Bauer
Date: Dec 26 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.
214773

I received and filed this instrument in
record on the 23rd day of Nov. 19—

M. H., permanent filer
at Mesawalla County, State of Wisconsin

department of

PLANTER & BONNER, County Recorder

8-2-9-

Paid
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Robert Pausas
Address: Miller Creek

Driller: Glenn Camp 703 Aiken
Address: Missoula, Mont.

Date well started: 7/21/63
Date completed: 8/1/63

Type of well: Drilled
Equipment Used: Down The Well
(dog, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Strata</th>
<th>Weight of Sand or Gravel</th>
<th>Depth Below Ground</th>
<th>Test Water Level</th>
<th>Shut-in Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 lb</td>
<td>3 ft. above pit</td>
<td>12 ft.</td>
<td>20 ft.</td>
<td>900 gal. per minute</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 10 ft. above S.L.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 10 ft. at 900 gal. per minute.
Discharge in gal. per min. of flowing well:
How Test Completed: Length of Test: 2 hours

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)

License 477
Driller’s License Number

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.

2000
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: B. J. Beabe
Address: Highway 10, R. 2, Missoula, Mont.

Driller: Beabe Drilling
Address: Palon, Mont.

Date of Notice of appropriation of groundwater:

Date well started: July 3, 1969
Date completed: July 12, 1969

Type of well: Drilled
Equipment used: Churn Drill
(Dug, driven, bored or drilled)

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

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

- Gravel and Boulders
- Gravel and water
- Clay and Boulders
- Topsoil

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: Bailer
Length of Test: 2 hours

Remarks: (Gravel packing, cementing, packers, type of silt off)
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater.

Special Instructions:

Please provide the location of the well, as indicated on the attached form, by section, township, and range.

Thank you.
Lot 2 in Block 8 of West Riverside Addition No. 1, a platted subdivision in Missoula County, Montana, according to the official plat thereof on file and of record.

County Missoula

<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>Lot 2 to Block 8 of West Riverside Addition No. 1, a platted subdivision in Missoula County, Montana, according to the official plat thereof on file and of record</th>
</tr>
</thead>
</table>

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Frank Brockbill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>West Riverside</td>
</tr>
<tr>
<td>Driller</td>
<td>Glenn Camp</td>
</tr>
<tr>
<td>Address</td>
<td>Missoula</td>
</tr>
<tr>
<td>Date Started</td>
<td>June 10, 1961</td>
</tr>
<tr>
<td>Date Completed</td>
<td>June 14, 1961</td>
</tr>
</tbody>
</table>

Lot 2 in Block 8 at fast Riverside Addition No. 1, a platted subdivision in Missoula County, Montana, according to the official plat thereof on file and of record.

**STATE ENGINEER**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Frank Brockbill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>West Riverside</td>
</tr>
<tr>
<td>Driller</td>
<td>Glenn Camp</td>
</tr>
<tr>
<td>Address</td>
<td>Missoula</td>
</tr>
<tr>
<td>Date Started</td>
<td>June 10, 1961</td>
</tr>
<tr>
<td>Date Completed</td>
<td>June 14, 1961</td>
</tr>
</tbody>
</table>

Lot 2 in Block 8 at fast Riverside Addition No. 1, a platted subdivision in Missoula County, Montana, according to the official plat thereof on file and of record.

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

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

Industrial [ ] Drainage [ ] Other [ ]

**Casing:**
- 6' above Pit. to 60' ft. Type Seamless Size 57.3.14 lbs
- ft. to ft. Type Size
- ft. to ft. Type Size

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

Type of screen or perforations:

Static Water level, for non-flowing well: 74' feet.

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

Pumping water level 74' feet at 15 gal. per min. no drawdown

How tested: Bailer

Length of test 1 hour

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

Put in exact location and file with the County Clerk & Recorder
<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>6'</td>
<td></td>
<td>Pit</td>
</tr>
<tr>
<td>6'</td>
<td>16'</td>
<td></td>
<td>Clay &amp; gravel</td>
</tr>
<tr>
<td>16'</td>
<td>19'</td>
<td></td>
<td>Small loose gravel</td>
</tr>
<tr>
<td>19'</td>
<td>43'</td>
<td></td>
<td>Clay &amp; gravel</td>
</tr>
<tr>
<td>43'</td>
<td>51'</td>
<td></td>
<td>Clay</td>
</tr>
<tr>
<td>51'</td>
<td>77'</td>
<td></td>
<td>Sandy clay &amp; small gravel</td>
</tr>
<tr>
<td>77'</td>
<td>86'</td>
<td></td>
<td>Tight clay &amp; gravel</td>
</tr>
<tr>
<td>86'</td>
<td>92'</td>
<td></td>
<td>Fine sand &amp; water</td>
</tr>
<tr>
<td>92'</td>
<td>95'</td>
<td></td>
<td>Gravel &amp; water</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>Depth</th>
<th>Description</th>
<th>Type of Well</th>
<th>Equipment Used</th>
<th>Water Use</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 6.5&quot;</td>
<td>Pit</td>
<td>Drilled</td>
<td>Churn drill</td>
<td>Domestic</td>
<td>None</td>
</tr>
<tr>
<td>6.5 to 29&quot;</td>
<td>Gravel &amp; boulders</td>
<td></td>
<td></td>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>29&quot; to 52&quot;</td>
<td>Sand</td>
<td></td>
<td></td>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>52&quot; to 42&quot;</td>
<td>Clay</td>
<td></td>
<td></td>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>42&quot; to 57&quot;</td>
<td>Clay &amp; gravel</td>
<td></td>
<td></td>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>57&quot; to 79&quot;</td>
<td>Sandy clay</td>
<td></td>
<td></td>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>79&quot; to 83&quot;</td>
<td>Sand &amp; heavy gravel</td>
<td></td>
<td></td>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>83&quot; to 90&quot;</td>
<td>Water &amp; sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>90&quot; to 102&quot;</td>
<td>Clay &amp; gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>102&quot; to 111&quot;</td>
<td>Sand &amp; gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>111&quot; to 98&quot;</td>
<td>Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>98&quot; to 106&quot;</td>
<td>Gravel &amp; sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well... 50' from G.L. feet.

Shut-in Pressure for Flowing Well...

Pumping Water Level... 60... feet at... 14... gal. per minute.

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

How Tested:... 2 hours...

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)... None

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.

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.
December 12, 1963

State of Montana
State Engineer
Sam W. Mitchell Bldg.
Helena, Montana

ATTN: Donald D. Sullivan

Dear Sir:

In reply to your letter of the 10th concerning
the attached GW-2 form of Henry P. Cadieux, we have
checked the original and it does not have the information concerning location.

Yours very truly,

[Signature]

Martin S. Behner
County Clerk & Recorder

Enc. 1
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: C.M. Connell
Address: Espanola Drive on

Driller: Lewis Camp
Address: 705 Alder

Date of Notice of Appropriation of Groundwater:__________________

Date well started:__________________; Date Completed:__________________

Type of well: Drilled; Equipment Used: Churn drill

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>State of Drilled Strata</th>
<th>Shale and Waste of Cutting</th>
<th>注明</th>
<th>To (Foot)</th>
<th>PERPETRATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>9&quot;</td>
<td>5&quot;X.50</td>
<td></td>
<td>1' above Floor</td>
<td></td>
</tr>
<tr>
<td>14 lb to 18 lb.</td>
<td>to 23'-3&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 24' from 0.5 feet.

Shut-In Pressure for Flowing Well: ____________________________

Pumping Water Level: ____________________________ feet at 100 gal. per minute.

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

How Tested: ____________________________ Length of Test: ____________________________

Remarks: (Gravel packing, cementing, packers, type of cutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

License #: 7

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; Tripletic 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)

**Name of Appropriate:** Crikinson  
**Address:** 507 Main St.  
**Town:** Missoula  
**State:** Montana  
**County:** Missoula

#### 1. Have Appropriate Appropriated Groundwater According to the Montana Laws in Effect Prior to January 1, 1963

**Amount of Groundwater Claimed:**
- **In inches:**  
- **In gallons per minute:**
- **In feet:**
- **In cubic feet:**

#### 2. Beneficial Use on Which the Claim Is Based

- Household
- Yard Irrigation
- Livestock
- Irrigation

#### 3. Data or Approximate Date of Earliest Beneficial Use

- **Month:** May 1910
- **Year:**  
- **Location:**

#### 4. Means of Withdrawing Each Water from the Ground

- **Well:**
- **Electric Pump:**
- **Board or Deck:**
- **Water Rising:**

#### 5. Indicate Point of Appropriation and Place of View, If Possible

#### 6. Date of Commencement and Completion of the Construction of the Well, Wells, or Other Works for Withdrawal of Groundwater

- **Month:** May 1910
- **Year:**  
- **Location:**

#### 7. Date of Commencement and Completion of the Construction of the Well, Wells, or Other Works for Withdrawal of Groundwater

- **Month:** May 1910
- **Year:**  
- **Location:**

#### 8. The Depth of Water Table

- **Measurement:**

#### 9. Type, Size, and Depth of Each Well or Other Works for the Withdrawal of Groundwater

- **Measurement:**

#### 10. The Estimated Amount of Groundwater Withdrawn Each Year

- **In Inches:**
- **In Feet:**
- **In Cubic Feet:**

#### 11. The Log of Formations Encountered in the Drilling of Each Well

- **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

- **Reference:**

---

**Signature of Owner:**

**Date:** Dec 31, 1963

---

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

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

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

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1962)

1. William Crowe,
   of 1270 35th Street West
   (Address) Missoula
   (Town) Rt 2
   County of Missoula
   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 garden use

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1947 continuous well drilled in 1948

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 150 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
   12490 square feet, garden

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   50 foot well drilled by a 150 gallon per minute electric pump

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

8. The depth of water table: 50 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:
   50 foot well with 1 inch casing drilled by 150 gallon per minute electric pump capable of continuous operation during growing season

10. The estimated amount of groundwater withdrawn each year: 76,840,000

11. The log of formations encountered in the drilling of each well if available:
    As best as I remember the formation is as follows: 8 feet sand; 35 feet of gravel layer layer of hardpan; 2 feet gravel; layer of hardpan; 3 feet 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: None available

Signature of Owner: William Crowe
Date: 12-20-1963

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

declarant

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maud A. Dalberg</td>
<td>Route 3</td>
<td>Missoula</td>
<td>Missoula</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

1. **Name of Appropriator**: Maud A. Dalberg
2. **Address**: Route 3
3. **Town**: Missoula
4. **County**: Missoula
5. **State**: Montana

---

2. **The beneficial use on which the claim is based**: Domestic water and stock water
3. **Date or approximate date of earliest beneficial use; and how continuous the use has been**: 1900; Approximate date of one well; 1933; Approximate date of second well; Used continuously since dates above.
4. **The amount of groundwater claimed**: 100 gallons per minute per 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**: Not applicable
6. **The means of withdrawing such water from the ground and the location of each well or other means of withdrawal**: Electric pumps — Both wells are located in farm yard.
7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**: Name on three above
8. **The depth of water table**: Thirty-three 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**: For clarity, some text is missing.
10. **The estimated amount of groundwater withdrawn each year**: Unknown
11. **The log of formations encountered in the drilling of each well if available**: 25 feet clay, 8 feet of 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**: Not applicable

---

**Signature of Owner**: Maud A. Dalberg  
**Date**: Dec. 30, 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. Donald J. Dacoy
   (Name of Appropriator)
   2 W. Central
   (Address)
   Missoula
   (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.

   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: Donald J. Dacoy

Date: 2-27-37

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.
I received and file this instrument for record on the 31st day of March 1857 at 11h 00 minutes a.m. permanent time of Wisconsin County, State of Wisconsin
Witness my hand:

MARTIN S. BRUNT 

By

F. F. PILGRIM

Pr 1 4 80
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level)

0 to 6' Back fill (surface dirt & gravel)

6' to 18' Gravel, sand

A clay

18' to 20' Boulder

20' to 28' Sand, gravel

A water

28' to 33' Boulder, sand

Gravel & water

33' to 50' Sand, gravel

A water

---

Stat. Water Level for non-flowing Well...46 feet.

Shut-in Pressure for Flowing Well...

Pumping Water Level...20 feet at...30 gal. per minute.

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

How Tested...Compress...Length of Test...2 hour.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater only 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.
This form to be prepared by driller, and three copies to be filed by owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

**Owner**

<table>
<thead>
<tr>
<th>Site</th>
<th>2 Upper Killer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Town</td>
<td>Missoula</td>
</tr>
<tr>
<td>Date</td>
<td>May 31, 1973</td>
</tr>
</tbody>
</table>

**Date well started**

<table>
<thead>
<tr>
<th>5-30-73</th>
</tr>
</thead>
</table>

**Type of well**

<table>
<thead>
<tr>
<th>Air Rotary</th>
</tr>
</thead>
</table>

**Equipment used**

<table>
<thead>
<tr>
<th>Drill type (Cable, rotary or other)</th>
</tr>
</thead>
</table>

**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 Pipe</th>
<th>Size and Speed of Drilling</th>
<th>Per Hour</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>2</td>
<td>140°</td>
<td>500</td>
</tr>
<tr>
<td>2&quot;</td>
<td>2</td>
<td>140°</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level**

150 ft.

**Pumping water level**

120 ft.

**at**

120 gallons per minute.

**measured**

Minutes after pumping began.

*Measured from ground level.

**Well developed by**

for hours.

**Power**

Pump

HP

**Remarks**

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

**INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.**

Each small square represents 40 acres.

**Driller's Signature**

5726 Joun Ave, Missoula, Montana

**Driller's Address**

Driller's License No.

**LICENSE NO.**

249

**Top of Ground**

<table>
<thead>
<tr>
<th>From (Ft.)</th>
<th>To (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>140</td>
</tr>
</tbody>
</table>

**Show exact depth of bottom**

53,240
I received and filed this instrument for record on the 3rd day of 1835, at 2 o'clock P.M., in the office of the Clerk of Cassadaga County, Md., 1835.
Witness my hand.

[Signature]

Secretary, Cassadaga County Recorder
By 2d. D. [illegible]
Deputy
Fee $2.00
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Date of Notice of Appropriation of Groundwater | 7-4-63 |
| Date well started | 7-4-63 |
| Date Completed | 7-4-63 |

**Type of well**
- [ ] driven
- [ ] bored
- [ ] by drill
- [ ] other

**Equipment Used**
- [ ] dip
- [ ] drill
- [ ] rotary
- [ ] other

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

**Well 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 Bore Hole</th>
<th>Size and Weight of casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kind of Soil</td>
</tr>
<tr>
<td>--------------</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

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

- [ ] feet

**Shut-in Pressure for Flowing Well**

- [ ] feet

**Pumping Water Level**

- [ ] feet at [ ] gal. per minute

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

- [ ] gal. per minute

**How Tested**

- [ ] by weight
- [ ] Length of Test [ ] hrs.

**Remarks**

(Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation). Snacke

<table>
<thead>
<tr>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

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

- [ ] See T. R.

**Show exact depth of bottom.**

<table>
<thead>
<tr>
<th>Depth of Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>48' below</td>
</tr>
</tbody>
</table>

**Driller's License Number**

<table>
<thead>
<tr>
<th>License Number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

**Driller’s Signature**

<table>
<thead>
<tr>
<th>Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</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.
I received and filed this instrument for record on the 21 day of __________ at __________, __________, Montana, county of Montana, State of Montana.

Witness my hand:

MARTIN J. MIRNED, County Recorder.
By: ____________________________ Deputy
Fees: ________________ Paid:________
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1967)

J. J. and M.C. Hall of Route + Rattlesnake Mines

County of Missoula State of Montana

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

2. The beneficial use for 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 indexed to 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, works, 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

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 OFVESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Clark V. Harris, of Rte. 6, V. Riverside (Name of Appropriator)
   (Address)
   County of Missoula, 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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: In use by us since Aug. 1962

   4. The amount of groundwater claimed (in minor's inches or gallons per minute): 1800 gallons per hour

   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: Lawn

   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: Do not know when the well was drilled

   8. The depth of water table: Between 90 to 100 feet, about 20 feet in casing

   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, casing between 90 to 100 feet

   10. The estimated amount of groundwater withdrawn each year: Have no idea

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

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

   Signature of Owner

   Date

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

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

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

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

STATE ENGINEER

JAN 3 1953

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 Appropiactor.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1962)

1. John Habersle
   of 22 06 Dorothy
   Missoula

   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. ______

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

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

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

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

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

   8. The depth of water table ________

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

   10. The estimated amount of groundwater withdrawn each year ________

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

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

   Signature of Owner: ________
   Date: ________

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

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

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

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

1. Wells, etc.
   District of
   Name of Appropriator
   Address
   Town
   County
   State

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 Appropciator.
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
R. L. HINDLE

Address 4305 South 34th West, Missoula

Date well started SEP. 18, 1972

Date well completed SEP. 19, 1972

Type of well Drilled

Equipment used Churn

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 (e.g. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Depth of Ground</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>3' B.</td>
<td>Top well</td>
</tr>
<tr>
<td>3' 00'</td>
<td>Ten clay</td>
</tr>
<tr>
<td>5' 31'</td>
<td>Top gravel, water</td>
</tr>
<tr>
<td>81' 41'</td>
<td>Ten clay and gravel</td>
</tr>
<tr>
<td>11' 48'</td>
<td>Top gravel and water</td>
</tr>
</tbody>
</table>

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.

Driller's Signature

Driller's Address 740 Turner Missoula, Montana

LICENSE NO. 199

_SHOW EXACT DEPTH OF BOTTOM._
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide, as indicated in red on the enclosed form, the complete location of the well by Township, Range, and Section.

Thank you.

[Signature]

4/12/12

50,059
WATER WELL LOG

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>E.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>J.E. Haining</td>
<td>26th and Central</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glenn Camp, 705 Elder</td>
<td>Missoula, Montana</td>
</tr>
</tbody>
</table>

Date Started: April 10, 1960  Date Completed: April 20, 1960

Type of well: Drilled  Equipment used: Churn Drill

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

Industrial [ ]  Drainage [ ]  Other: [ ]

Casing: 9" above Pit to 50'-3" ft.  Type: Seamless  Size: 3" x 10' 14 1/8 To Feet

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: 38'-6" from ground-level (feet)

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

Pumping water level: 38' feet at 50 gal. per min.

How tested: Compressor

Length of test: 1 hour

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 6'</td>
<td>pit</td>
</tr>
<tr>
<td>6' to 23'</td>
<td>sand and clay and gravel</td>
</tr>
<tr>
<td>23' to 26'</td>
<td>sand and clay</td>
</tr>
<tr>
<td>26' to 29'</td>
<td>loose gravel</td>
</tr>
<tr>
<td>29' to 38'</td>
<td>clay and gravel</td>
</tr>
<tr>
<td>38' to 51'</td>
<td>sand, small gravel and water</td>
</tr>
<tr>
<td>51' to 55'</td>
<td>gravel and water</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. Gerald W. & Carol J. Hitchcock 3425 W. Central Missoula
   (Name of Appropriator) (Address) (Town)
   County of Missoula State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   2. The beneficial use on which the claim is based.  House
   3. Date or approximate date of earliest beneficial use; and how continuous the use has been.  June 15, 1960
      continuously since
   4. The amount of groundwater claimed (in miner's inches or gallons per minute).  45 G.P.M.
   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.  Garden of Grace
   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  3/4 H.P. Pump located vicinity of basement of house
   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.  June 15, 1960
   8. The depth of water table 90'
   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.  150 ft. casing 76 ft. deep driven well.
   10. The estimated amount of groundwater withdrawn each year.  145,000 gallons set.
   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: Gerald W. Hitchcock
Carol J. Hitchcock
Date: 1/3/61

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, as 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.
I received and filed this instrument for record on the 19th day of August, 1923, of the office of Clerk of the District Court of Missoula County, State of Montana, Witnesses my hand,

MARTIN S. BISHOP, Clerk.

By: ________________ Deputy

For ____________ Paid.
WATER WELL LOG

Owner: John C. H. Hummel
Address: Room 4, Rabbitsonke

Driller: Glenn Camp
Address: 705 Idaho St.

Date Started: Aug. 31, 1959
Date Completed: Sept. 4, 1959

Location: Sec. 14 N., T. 12 N., R. 111 W., Montana

Type of well: Drilled
Equipment used: Churn Drill

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

Casing: 72 ft. to 199 ft. Type: Steel or Studded
Size: 6" - 19 lb. per foot

Perforated or Screened: 160 ft. to 199 ft. Type: [ ] Size: [ ]

Type of screen or perforations: [ ]

Static Water level, for non-flowing well: 42' from top

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

Pumping water level: 57 feet at 20 gal. per min.

How tested: [ ]

Length of test: [ ]

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

Page signed by state engineer.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0 to 3'</td>
<td>Top soil</td>
</tr>
<tr>
<td>From 3' to 63'</td>
<td>Boulders, clay, gravel</td>
</tr>
<tr>
<td>From 62' to 63'</td>
<td>Gravel, clay carrying about 1/2 gal of water</td>
</tr>
<tr>
<td>From 63' to 74'</td>
<td>Clay, gravel and sandstone</td>
</tr>
<tr>
<td>From 74' to 77'</td>
<td>Gravel, some clay and water</td>
</tr>
</tbody>
</table>
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Name of Approporator:**
   - **Address:**
   - **Town:**
   - **County:**
   - **State:**

   County of

   State of

   of having 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:**
   - **Home use**

3. **Date or approximate date of earliest beneficial use; and how continuous the use has been:**
   - **1/1/61**

4. **The amount of groundwater claimed (in miner's inches or gallons per minute):**
   - **5.0**

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:**
   - **1/1/61**

8. **The depth of water table:**
   - **Not known**

9. **So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:**
   - **Not available**

10. **The estimated amount of groundwater withdrawn each year:**
    - **Not known**

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:**
    - **D075 or 1024 4 97 77**

   **Signature of Owner:**
   - **Elzie D. Taylor**
   - **Date:** 12/26/63

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

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

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

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

[Name of Appropriator] of [Address]
[Town]

County of [County]
State of Montana

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

[Grid]

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

[Description]

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

[Date] or Continuous

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

[Amount]

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.

[Description]

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

[Description]

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

[Date] or [Completion Date]

8. The depth of water table:

[Depth]

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:

[Specifications]

10. The estimated amount of groundwater withdrawn each year:

[Amount]

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

[Log]

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

[Reference]

Signature of Owner:

[Signature]

Date:

[Date]

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

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

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

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

Herman G. Kallestad
of 2264 Silver St., Missoula, Montana
(Name of Appropriator)
Address)
(Town)
County of Missoula, State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

2. The beneficial use on which the claim is based: household and irrigation purposes.

6. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1934 and in use continuously ever since that date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 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: 25 Acres Dinsmore Orchard Homos #4 & #5.

8. Date of commencement or completion of the construction of the well, wells, or other works for withdrawal of groundwater: 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: 60 feet deep with 4 inch casing.

10. The estimated amount of groundwater withdrawn each year: Two million gallons.

11. The log of formations encountered in the drilling of each well if available: no information as far as I knew.

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: I have no information on this.

Signature of Owner: 

Date: 12-31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
I received and filed this instrument in the record office as follows:

Date: 7-12-1969

At 2:45 P.M., permanent files of Missoula County, State of Montana

Witnessed by:

[Signature]

Deputy

[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. Lawrence W. Kelly, of A. T. Kelly

County of MISSOURI 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: Home

3. Date or approximate date of earliest beneficial use: Approximate Date 1937

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 64 g.p.m.

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: land in lots

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Approximate Date 1937

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: N. P. E. - 50'

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

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

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 Known

Signature of Owner: Lawrence W. Kelly
Date: January 1, 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. Wm. D. Lake
   (Name of Appropriator)

   of 4204 So. Davis, Missoula
   (Address)

   County of Missoula
   (Town)

   State of Montana
   (State)

   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 irrigation of ½ acre.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   30 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:
   ½ acre in garden and lawn.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   Jet pump — ½ hp.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   Not known.

8. The depth of water table:
   20 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   Drilled well — 4½" T.D.; 11½ ft casing; 4½' deep.

10. The estimated amount of groundwater withdrawn each year:
    Household and irrig. of ½ acre.

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:

Date December 26, 1969

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, 1902)

1. [Appropriator's Name] of [Address] in the County of [County] in the State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1902, 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: [Signature]
Date: [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. Gordon H. League, of Boyer Gulch, Clinton, Montana (Name of Appropriator)
   (Address) (Town)
   County of Dawson, 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>W</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1942.24.00 AM

4. The amount of groundwater claimed (in 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: Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Constructed in Aug. 1952

8. The depth of water table: 35 ft.

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

10. The estimated amount of groundwater withdrawn each year: 12,775 gallons per year

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

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

Signature of Owner: Gordon H. League
Date: Nov. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by MDAG (Municipality, Drilled well)
(Under Chapter 237, Montana Session Laws, 1981)

Owner: Charles Lee
Address: 320 E. Grove St.

Driller: Giana Camp
Address: Mission, Mont.

Date of Notice of Appropriation of Groundwater: 11/2/62
Date Completed: 11/7/62

Type of well: Drilled
Equipment Used: Churn-drill

Water Use: Domestic (X)  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>Depth of Drilled Hole</th>
<th>Size of Drilled Hole</th>
<th>Weight of Drilling</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>5/8&quot; I.D.</td>
<td>seamless</td>
<td>2'-3' below G.L.</td>
<td>2'-5'</td>
<td>none</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 12" from G.L., feet.

Shut-in Pressure for Flowing well: 100 gal. per minute.

Pumping Water Level: 12 feet at 100 gal. per minute.

Discharge in gal. per min. of flowing well: 100 gal. per minute.

How Tested: Air Compressed Length of Test: 1 hours

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)

License No. G7
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 by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Milltown

Owner: Gordon Carr

Address: Old highway 310

Driller: Glenn Camp

Address: Missoula, Mont

Date of Notice of Appropriation of Groundwater: 8/26/65

Date well started: 8/31/65

Date Completed: 8/31/65

Type of well: Drilled

Equipment Used: Churn drill (dug, driven, bored or drilled)

Water Use: Domestic

Municipal

Other

Irrigation

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 50 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 50 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Tent Pump Length of Test: 1 hour

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

License # 7

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.
2/4/2885

I received and filed this instrument for record on the 24th day of February, 1885, at 1:30 o'clock A.M., pursuant to the laws of Missoula County, State of Montana.

Walter C. Coey, County Recorder
By: Robert T. Fassinger, Deputy
# WATER WELL LOG

**Owner:** Stagglie Morcan  
**Address:** Hilltown

**Driller:** Glenn Camp  
**Address:** 705 Alder

**Date Started:** Feb 21, 1961  
**Date Completed:** Feb 25, 1961

**Location:** Sec. 14, T. 7, R. 2 sec.

**Type of well:** Drilled

**Equipment used:** Churn Drill

**Water use:** Domestic, Stock, Irrigation

**Casing:**
- **Alumina:** 41'-0" above ground level to 91'-0" seamless 14 lbs. 6 oz. foot 5%-D.
- **Casing:** ft. to ft.  
- **Type:**  
- **Size:**
- **Perforated or Screened:** Ft. to Ft.  
- **Type:**  
- **Size:**

**Static Water Level, for non-flowing well:** 81' from ground level  
**Shut-In Pressure, for flowing well:** lb/sq in.

**Pumping water level:** 81' feet at 15 gal. per min.

**How tested:** Balloon

**Length of test:** 5/2 hours

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

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(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6'</td>
<td>Pit</td>
</tr>
<tr>
<td>6' - 51'</td>
<td>Gravel &amp; clay</td>
</tr>
<tr>
<td>51' - 55'</td>
<td>Clay</td>
</tr>
<tr>
<td>55' - 68'</td>
<td>Sand &amp; clay</td>
</tr>
<tr>
<td>68' - 78'</td>
<td>Clay</td>
</tr>
<tr>
<td>78' - 85'</td>
<td>Gravel &amp; clay</td>
</tr>
<tr>
<td>85' - 96'</td>
<td>Sand, gravel with water</td>
</tr>
</tbody>
</table>

Log of Well
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 

Driller: 
Address: 

Date of Notice of Appropriation of Groundwater: 
Date well started: 
Date completed: 

Type of well: 
Equipment Used: 
(Churn, drill, rotary or 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 Bored Hole</th>
<th>Rise and Weight of Casing (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well (feet).
Shut-in Pressure for flowing well (psi).
Pumping Water Level (feet at ___ gal. per minute).
Discharge in gal. per min. of flowing well (gpm).
How Tested: 
Length of Test (days).

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

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

Show exact depth of bottom.

---

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.

Driller's License Number

Driller's Signature

1991
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 
Driller: 
Address: 

Date of Notice of Appropriation of Groundwater: 
Date well started: 4/18/63 
Date completed: 4/19/63 

Type of well: Drilled 
Equipment Used: Diesel, drill, rotary or 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>Rise and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td></td>
<td>G.L. to 24'-5&quot;</td>
<td>500 lbs</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 4'-10" from G.L., feet. 
Shut-in Pressure for Flowing Well. 
Pumping Water Level: 31 feet at 60 gal. per minute. 
Discharge in gal. per min. of flowing well. 
How Tested: Constant 
Length of Test: 9 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

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

Show exact depth of bottom.

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 BY MEANS OF WELL

(Under Chapter 237, Montana Session Laws 1961)

Owner: Ethel Miles  Address: Filtrilla, Mont
Driller: Glenn Camp 705 Aldar Address: Missoula, Mont

Date of Notice of Appropriation of Groundwater:__________________________

Date well started:__________________________ Date Completed:__________________________

Type of well: Drilled  Equipment Used: Churn drill

(dug, driven, bored or churned, drill, rotary or drilled)

Water Use: Domestic  Municipal  Other  Irrigation  Industrial  Drainage  Stock

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

<table>
<thead>
<tr>
<th>Strata Drilled</th>
<th>Strata and Weight of casing</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>5' I.P.</td>
<td>5' below O.L.</td>
<td>14' to 67'</td>
<td>52' - 7'</td>
<td>None</td>
</tr>
</tbody>
</table>

Show exact depth of bottom.

License No. 7

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.
## Declaration of Vested Groundwater Rights

(1) **Chester M. Murphy**

**Name of Appropriator**

**City Drive—Missoula**

**Address**

**County of Missoula**

**State of Montana**

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

### 1. **Beneficial Use**

2. The beneficial use on which the claim is based:
   - **Domestic**
   - **Water Pump**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - 26 years, consistent for home and yard use.

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

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof:
   - One acre of yards and gardens, owner same.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - 1937

8. The depth of water table:
   - 351

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:
   - **Type**: canned, **Size**: 3", **Depth**: 351'

10. The estimated amount of groundwater withdrawn each year:
    - Continuous domestic use for two homes.

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:
    - Fil City Drive

---

**Signature of Owner**

**Chester M. Murphy**

**Date**: December 31, 1963

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

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

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

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

STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

T. R.

County: MISSOURI

1. From HELEN M. NEILSON, a Box 477, Baker, MT...

(Name of Appropnator) (Address) (Town)

County of MISSOURI, 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, uses and drinking.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: May 15, 1955. The well has been used continuously since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 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: 20 acres.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1/1/65 to 6/1/65.

8. The depth of water table: 5 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: The well has a concrete well, and it is 10 ft. deep and it is 20 ft. 6 in. - 60 in.

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

11. The log of formations encountered in the drilling of each well if available: None.

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

Signature of Owner: [Signature]

Date: [Date]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropnator.
I received and filed this instrument for record on the 27th day of December, 1945, at 10:00 o'clock A.M., permanent file of Hesperus County, State of Montana.

Witnesses:

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]
#### Declaration of Vested Groundwater Rights

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

**STATE OF MONTANA**

**V**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

---

**John E. Nelson**

Route 1, Missoula

1. **(Name of Appropriator)**

2. **(Address)**

3. **(Town)**

4. **(County)**

5. **(State of Montana)**

---

**Declaration of Vested Groundwater Rights**

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

<table>
<thead>
<tr>
<th>Grid</th>
<th>Section</th>
<th>T</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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 miners inches or gallons per minute)**

5. **If used for irrigation, give the average and description of the lands to which water has been applied and name of the owner. Approximate 1 acre of land surrounding each well, which land is used for lawn and garden.**

6. **The means of withdrawing such water from the ground and the point 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 necessary in carrying out the policy of this act, including reference to book and page of any county record.**

---

**Signature of Owner:**

**December 26, 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
Without Well
(under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: The year 1966
Owner: Orchard Homes Ditch Company
Contractor (if any): 
Address of Contractor: 
Date Started: 1965. Date Completed: before 1990

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water is obtained by gravity flow from the south bank of Clark Fork River 500 feet east of Orange Street bridge in the city of Missoula.

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. The Company takes approximately 2000 inches of water seven (7) months of the year for irrigation.

Indicate point of appropriation and place of use, if possible. The Orchard Homes Ditch Co. irrigates approximately three (3) square miles of land located north of third street, and south of the Clark Fork River in the area known as Orchard Homes, Missoula, County.

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

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

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

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

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

John O. Otho
(Name of Appropriator)
1635 Garnet
(Ancestor)

County of Missoula
State of Montana

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: Home.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935--

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: 1935.

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: No data.

10. The estimated amount of groundwater withdrawn each year:

11. The log of formations encountered in the drilling of each well if available: No log.

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: John O. Otho
Date: Dec 31 - 65

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.
I received and recorded this instrument in the office of Recorder of Missouri County, State of Missouri

By: Deputy

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

DEVELOPED AFTER JANUARY 1, 1969

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

Owner: John F. Pignetall  Address: Florence, Montana
Driller: G&G Drilling   Address: Bozeman, Montana

Date of Notice of appropriation of groundwater: __________________________

Date well started: August 22, 1969  Date completed: August 22, 1969

Type of well Drilled: Equipment used: Injury Drill
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

32-40' Sand, gravel, and water

40' exact depth of bottom

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

<table>
<thead>
<tr>
<th>Depth</th>
<th>Size and Weight of Casing</th>
<th>Flow Rate</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>40'</td>
<td>6&quot; 6' 17#</td>
<td>20'</td>
<td>Est.</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Pumping Water Level

Discharge in gal. per min. of flowing well

Length of Test

Remarks: (Gravel packing, casing, packer, type of shut-off)

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

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

For Sprinkler Irrigation of 10 acres

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

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

Driller’s License Number: __________________________
Driller’s Signature: __________________________

File No. __________________________

Montana Water Resources Board

RECEIVED: __________________________

R. T

County: __________________________

TRIPlicate

Log

AUG 29 1969
I received and filed this instrument by receipt at the At. 24th inst. at 11 O'lock P.M. at 1:20 A.M. P.M., permanent file of Muscatine County, State of Iowa.
Witness my hand.

[Signature]

Curtis H. Smith, Recorder
Deputy

[ Signature ]
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Pitts

Route 4

(Name of Approporator) Montana (Town)

County of Missoula State of Montana

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

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

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1957 and used continuously since.

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

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

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1957

7. The depth of water table: 108 feet

8. The depth of the formations encountered in the drilling of each well if available: 108 feet depth—1½" pipe

9. The log of formations encountered in the drilling of each well if available: not available

10. The estimated amount of groundwater withdrawn each year: unable to determine

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

Signature of Owner:

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 Approporator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. **Dennis E. Pleasant**, of Box 529, **Bonner**

   (Name of Appropriator)  (Address)  (Town)

   County of **Missoula**  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**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **Oct 20 - 1961**  **CONTINUOUS USE**

4. The amount of groundwater claimed (in miner's inches or gallons per minute). **150 GALLONS 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. **USED TO IRRIGATE 1/4 ACRE OF **

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 1961**

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. **ONE HORSE ELECTRIC PUMP  SIXTY-FOUR FEET - DEPTH OF THE WELL**

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

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: **Dennis E. Pleasant**

   Date: **12-26-63**

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.
I received and filed the instrument for record on the 27th day of Nov., 1960, at 1:15 P.M., permanent time, in the office of the Recorder of the Second Judicial District of Kings County, New York, and file the same for the information of the public.

WITNESS MY HAND.

MARTIN E. BRINER, Recorder.

By: [Signature]

Deputy.

Fee $100.00.

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

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

1. Name: Dan L. Rice
   Address: 310 W. Curtis Missoula
   County of Missoula
   State of Montana

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: Irrigation
   - Household use

3. Date or approximate date of earliest beneficial use: August 1953 - Continues use since 9

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:
   Approximately 1 acre - mostly 1 town
   Share garden

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

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

8. The depth of water table: 12

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:
   Depth 49' 4" casing

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: Dan L. Rice
Date: Dec 21, 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.
**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**OFFICE OF STATE ENGINEER**

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

**County of:**
**State of:**

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.

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

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

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

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

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

7. The depth of water table.

8. The type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater.

9. The estimated amount of groundwater withdrawn each year.

10. The log of formations encountered in the drilling of each well.

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.

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 Appropiatory.
I removed and filed this instrument for record on the 2 day of June, 1927, at 12:39:00 PM in the Superior Court of Hennepin County, State of Minnesota.

Witness my hand:

[Signature]

By [Signature]

[Notary's Seal]

[Stamp]
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Mr. Helen M. Sherman, of 925 E 3rd St, Missoula, Montana

County of Missoula, State of Montana

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

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

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: about 1972, 28 years constant use

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

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

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

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

7. The depth of water table:

8. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner: Helen M. Sherman

Date: Jan 3, 1964

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 Appropriorator.
I received and filed this instrument for record on the 3rd day of April, 1867 at 8:15 a.m., in the presence of A. B. Heffern, Recorder of Nashville County, State of Tennessee.

Witness my hand.

MARTIN E. WRIGHT
County Recorder

Clerk, Nashville County

1354
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>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Elev. above sea level)</td>
<td>George J. Sherry</td>
<td>440 Edith</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>0 to 4' top soil</th>
<th>4' to 17' clay &amp; gravel</th>
<th>Driller Glenn Camp 705 Alley Address Missoula, Mont</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date of Notice of Appropriation of Groundwater</td>
<td>Date well started 5/27/63</td>
<td>Date Completed 5/30/63</td>
</tr>
<tr>
<td>17' to 50' sand &amp; gravel</td>
<td>Type of well Drilled</td>
<td>Equipment Used Churn Drill</td>
</tr>
<tr>
<td>and water</td>
<td>(dug, driven, bored or drilled)</td>
<td>(Churn, drill, rotary or other)</td>
</tr>
<tr>
<td>50' to 62-2' gravel sand &amp; water</td>
<td>Water Use: Domestic</td>
<td>Municipal Other Irrigation</td>
</tr>
</tbody>
</table>

- 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>Depth of Drilled Hole</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>1' above 0.&quot;</td>
<td>1' to</td>
<td>6' above 2&quot;</td>
<td>none</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well... | Shut-in Pressure for Flowing Well...

Pumping Water Level | 15 | feet at | 20 | gal. per minute.

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

**Compressor test 75 G.P.M.**

**How Tested:** Water test. Length of Test: 2 hours.

**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)

<table>
<thead>
<tr>
<th>¼ Sec. T. R.</th>
<th>Indicate location of well and place of use, if possible. Each small square represents 10 acres.</th>
</tr>
</thead>
</table>

Show exact depth of bottom.

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriaor.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 16' sandy clay</td>
<td>Ralph Asphalt</td>
<td>Linda Vista</td>
<td>Glenn Camp</td>
<td>705 Alder</td>
</tr>
<tr>
<td>16' to 18' silty clay &amp; gravel</td>
<td></td>
<td></td>
<td></td>
<td>Wiscalla, West</td>
</tr>
<tr>
<td>18' to 46' clay &amp; gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46' to 49' sand &amp; small gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>49' to 53' sandy clay</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date of Notice of Appropriation of Groundwater: ______________________
Date Well started: ______________________ Date Completed: ______________________

Type of well: BORED Equipment Use: DRILL (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.

Gravel

67' to 68' Boring sand & water 6' 67'T. D. 10.97 3' 3.5' above

84' to 104' Silty Clay
104' to 105' Gravel & Water

Static Water Level for non-flowing Well... 38.5' from B.L. 10'- feet.
Shut-in Pressure for Flowing Well...

Pumping Water Level... 38... feet at... 55... gallons per minute.
Discharge in gal. per min. of flowing well...

How Tested: COMPRESSOR Length of Test: 2 hours

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: 7
Driller's Signature: Glenn Camp

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.
December 13, 1963

State of Montana
State Engineer
Sam W. Mitchell Building
Helena, Montana

ATTN: Donald D. Sullivan

Dear Sir:

In reply to your letter of the 12th concerning GW-2 forms which did not have the locations indicated, we have checked the originals and find that Ralph Spurlock, your No. 8277, did not have the location on the original. However, Art Thompson, your No. 8270, had the location as SE 1/4, Sec. 17, T. 13, R. 18.

Yours very truly,

[Signature]

MARTIN S. BEHNER
County Clerk & Recorder

MSB:v6
Encl. 2
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

Name of Appropriator ___________________________  
Address ________________________________________  
Town __________________________________________

County of _______  State of _______ have appropriated groundwater according to the Montana laws in effect prior to January 1, 1982, as follows:

2. The beneficial use on which the claim is based:  
   _______ acres and garden

3. Date or approximate date of earliest beneficial use:  
   Jan 1950 all the time

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

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:  
   1 garden and lands for 4 houses

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:  
   Booster Pump 3/4 H.P.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:  
   Jan 10 1960

8. The depth of water table:  
   71' from S.L.

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:  
   CPF, seamless casing, drilled well, 96' deep

10. The estimated amount of groundwater withdrawn each year:  
    4 houses, lawn and garden

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:  
    ________________________________

Driller Glenn Camp  
705 Alder, Missoula License # 7

Signature of Owner ____________________________  
Date ____________________________

December 20, 1963

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

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

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

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Name of Appropriator:** D. J. Swarthout  
**Address:** 445 Wyoming W., Missoula  
**Town:** Missoula  
**County of:** Missoula  
**State of:** MT

I, D. J. Swarthout, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>W</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based: Water and Irrigation of Land.

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

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

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: 10 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: Completion 1946.

8. The depth of water table: 140 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: 110 ft. Diameter Well 60 ft. deep.

10. The estimated amount of groundwater withdrawn each year: 60,000 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: Book 4, Page 87, Line 14, Lot 1, Block 23, Sec. 15, T. 55N., R. 119W., M. & M.

Signature of Owner: D. J. Swarthout  
Date: Dec. 31, 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.
I received and filed this instrument for record on the 1st day of Dec. 1949 at 2:22 o'clock P.M., in the offices of the Clerk of the District Court of Missoula County, State of Montana, whereupon all of the following are required to perform their duties in accordance with the provisions of the Code of Montana:

MARTIN G. SMITH

Deputy County Recorder

Paid
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

(NAME OF APPROPRIATOR) (ADDRESS) (TOWN)

COUNTY: MONTANA
STATE OF MONTANA

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

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:

Date:

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
I received and filed this instrument for record on the 20 day of May 1939 at 11:15 o'clock A.M. between the lines of Missoula County, State of Montana.

Witnessee my hand:

Eugene L. Bernier
Recorder of Deeds
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Madeline H. Staves & Roy A. Staves, 203 North Curtis Street, Missoula

County of Missoula, State of Montana

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

1. Name of Appropriator

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Approx. 1925

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: 150 acres per 60% of crop

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: Unknown

8. The depth of water table: 18 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: Driller wells, 35 feet deep

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: Book 2, page 276

Signature of Owner: Madeline H. Staves

Date: 12-20-63

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

1. John Summerfield
   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—household and garden-use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...1940; continuous well drilled in 1939.

4. The amount of groundwater claimed (in inch's or gallons per minute) 800 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:
   9010 Square feet, lawn and garden.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   53 foot well manned by a 900 gallon per minute electric pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1940 when a 900 gallon per minute electric pump was installed.

8. The depth of water table:
   50 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:
   53 foot well with 5 inch casing manned by a 900 gallon per minute electric pump capable of continuous operation during the growing season.

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

11. The log of formations encountered in the drilling of each well if available:
    As best as I remember:
    Layer of hardpan; 5 feet gravel; layer of hardpan; 5 feet gravel; hardpan; 3 feet 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:
    None available.

Signature of Owner: John Summerfield
Date: Dec 30, 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.
**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.

**Clyde M. Marion & Associates**

*Owner: Small-Realty*

*Address: 405 No Carlin, Missoula, Montana*

Date well started: June 2, 1973, 1:43 p.m.

Completed: June 7, 1973

**Type of well:** Drilled

**Equipment used:** Down Drill

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

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

*Describe the 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:** 8 million gallons

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Weight of Cage (Pounds)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>91</td>
<td></td>
<td>Top of Ground</td>
</tr>
</tbody>
</table>

**Top of Ground**

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Clay</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td></td>
</tr>
<tr>
<td>91</td>
<td></td>
</tr>
</tbody>
</table>

**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**

*Show exact depth of bottom*
received and filed this instrument for record on the 28th day of June, 1923, at 11:30 o'clock a.m. Permanent files of Missouri County, State of Missouri.

Witness my hand:

Dorothy L. Head, County Recorder
By: J. T. H. County Recorder's Deputy

Fee $2.00.
**WATER WELL LOG**

**Owner:** Whittemore  
**Building Address:** Missoula, Mont.

**Driller:** Bill Preston  
**Address:** Cole, Mont.

**Date Started:** May 16-58  
**Date Completed:** May 26-58

**Location:** Sec. 4, T. 4 R. 11

**Type of well:** Drilled  
**Equipment used:** Churn drill

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

**Casing:** 0 ft. to 64 ft.  
**Type:** [ ]  
**Size:** [ ]

**Perforated or Screened:** [ ]

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

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

**Pumping water level:** 22 feet at 120 gal. per min

**How tested:** With air

**Length of test:** 2 hours

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 20</td>
<td>gravel</td>
</tr>
<tr>
<td>20 - 40</td>
<td>sand + gravel</td>
</tr>
<tr>
<td>40 - 45</td>
<td>clay</td>
</tr>
<tr>
<td>45 - 64</td>
<td>gravel</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1962)

STATE ENGINEER

1. Frank R. Wohlheuser, of Potter Canyon, Missoula
   (Name of Appropriator)
   (Address) Missoula

County of Missoula
   State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: About 1954
   Continuous

4. The amount of groundwater claimed (in minor's inches or gallons per minute): (one) 192

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: Doesn't Apply

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Started 1953, finished about 1955

8. The depth of water table: 8 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: 13 ft deep; from basement which is 6 ft below ground; 30 inch diameter; cemented

10. The estimated amount of groundwater withdrawn each year: 180,000 g.

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

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 known

Signature of Owner: James Wohlheuser
Date: Dec. 21, 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.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: J.R. Zander
Address: Florence, Mont
Driller: Glenn Camp
Address: Missoula
Date of Notice of Appropriation of Groundwater: 6/14/62
Date well started: 6/1/62
Date completed: 6/14/62
Type of well: Drilled
Equipment Used: Churn drill (drill, driven, bored or churned)
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.

---

Static Water Level for non-flowing Well: 49' from G.L. feet.
Shut-in Pressure for flowing well.
Pumping Water Level: 30' feet at 15 gal. per minute.
Discharge in gal. per min. of flowing well.
How Tested: [Blank]
Length of Test: 2 hours
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).

Licence #7
Driller's License Number
Driller's Signature

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

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

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 337 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: BRUCE ZELNISKA
Address: For Administrator's Use
File #: 2236, 313012

MISOURI, KENTUCKY
Date well started: AUG. 4, 1971
completed: AUG. 6, 1971

Type of well: DRILLED

Equipment used: CHURN

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

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Rise and Weight of Clay</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;x.6.5/3/00</td>
<td>ground 50' level</td>
<td>none</td>
<td>none</td>
</tr>
<tr>
<td>1&quot; lbs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/4&quot; side wall</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>33'5</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>17'5</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 11 ft.*
Pumping water level: 45 ft.*
at 2 gallons per minute, measured 90 minutes after pumping began.
*Measured from ground level.

Well developed by bail test for 4 hours.
Power: Pump [ ] HP [ ]
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: [Signature]
Driller's Address: 740 TURNER I-TO-ULMA, MONTANA
LICENSE NO. 193

Top of Ground

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>81' 21&quot; top soil</td>
<td></td>
<td></td>
</tr>
<tr>
<td>21' 10&quot; tan clay and boulders</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10' 19&quot; tan clay, sand, and gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19' 20&quot; sand, gravel and water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50' 49&quot; gray clay and gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>49' 30&quot; blue clay</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Driller's Signature: [Signature]
Driller's Address: 740 TURNER I-TO-ULMA, MONTANA
LICENSE NO. 193

50 ft. Show exact depth of bottom

49, 908
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

**Special Instructions:**

Please provide, as indicated in red, the enclosed form, the complete section of the well, township, range and section.

Signed on 4/11/92

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Jerome Becker
Address: Hilltown, Montana

Driller: Glenn Camp
Address: Missoula, Montana

Date of Notice of Appropriation of Groundwater: Feb. 3, 1968
Date well started: Feb. 3, 1968
Date well completed: Feb. 13, 1968

Type of well: Drilled
Equipment Used: Churn Drill
(dug, driven, bored or drilled)

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

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

Static Water Level for non-flowing Well: 83' from 0.1o feet.

Shut-in Pressure for Flowing Well

Pumping Water Level: 83' feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Baller
Length of Test: 4 Hours

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)

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

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

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