STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

| Date of Appropriation of Groundwater: May 1946 |
| Owner: D. McCullagh | Address: Missoula |
| Contractor (if any): N/A |
| Address of Contractor: |
| Date Started: May 1946 | Date Completed: May 1946 |

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

Signature of Owner: R. M. Smales
Date: 12/31/43

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.
I received and filed this instrument for registration on the day of December, 1943, in the office of the Clerk of the Orleans Parish, State of Louisiana, permanent files of Orleans Parish, State of Louisiana.

Witness my hand:

J. A. Clouse, County Recorder

By: A. L. Henderson, Deputy

Paid
**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:** David G. & Hazel E.
**Driller:** For Administrator's Use

**Address:** 801 Longstaff
**Missoula, Montana**

**Date well started:** Unknown
**Date completed:** Unknown

**Type of well:** Drilled

**Equipment used:** Unknown

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

*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:** Unknown

**SIE of Drilled Hole:** [Diagram]

**Size and Depth of Casing:** [Diagram]

**Perforations:**

<table>
<thead>
<tr>
<th>Size</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** Unknown ft.*

**Pumping water level:** Unknown ft.

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

*Measured from ground level.

Well developed by Unknown for unknown hours.

**Power:** Pump

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

**Used for:** 5 unit Apts.

**Also used for:** Irrigation in summer

---

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

**Driller's Signature:** Unknown

**Driller's Address:**

---

**LICENSE NO:**

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**County:** Missoula

---

**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.
**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:** Dick Everett

**Address:** P.O. Box 518

Missoula, Montana

**Date well started:** March 25, 1971

**Top of Ground (ft. above sea level):**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>65</td>
</tr>
</tbody>
</table>

**Driller's Signature:**

---

**Owner:** Dick Everett

**Address:** P.O. Box 518

Missoula, Montana

**Date well started:** March 25, 1971

**Top of Ground (ft. above sea level):**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>65</td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

**Equipment used:** Churn Drill

**Water Use:** Domestic □, Municipal □, Stock □, Irrigation □, Industrial □, Drainage □, Other □, Garden/Lawn □

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

**Estimated Annual Withdrawal:**

<table>
<thead>
<tr>
<th>Size of Drilled</th>
<th>Area of Completion</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 1/4&quot; dia.</td>
<td>17 lb. 1 1/4% 35%</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Perforations:**

<table>
<thead>
<tr>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 25 ft.

Pumping water level: 35 ft.

at 75 gallons per minute, measured 7 minutes after pumping began.

*Measured from ground level.

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

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

**Driller's Signature:** Dick Everett

**Driller's Address:** 1222 S. 4th W., Missoula, Montana

**License No. 7**

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**Comment:**

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48530
I received and filed this instrument for record on the 19th day of August, 1922
at 11:15 a.m., H.M. permanent time
of Minnehaha County, State of Minnesota
Without my hand

[Signature]
Deputy

Sec'y of R.O.
STATE OF MONTANA
ADMINISTRATION OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Ervin H. Galland
   (Name of Appropriator)
   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
      ___________ 6 dwellings and gardens and trees for each.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      About 1951

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      ___________ 30 gallons per minute
      ___________ 2,540 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 ___________ gardens and lawns for 6 dwellings

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      about 1951 for both commencement and completion

   8. The depth of water table
      Well is 96 feet deep with 60 feet of water

   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
      ___________ 4 inch casing down to 3rd vain of water

   10. The estimated amount of groundwater withdrawn each year
      ___________ 220,000 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, Ervin H. Galland
   Date, December 10, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the 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)

**Date of Notice of Appropriation of Groundwater:**
3/26/64

**Date well started:** 4/7/64

**Type of well:** Churn drill

**Equipment Used:** (Churn, drill, 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.**

- **Static Water Level for non-flowing Well:** 69' from G.L.
- **Shut-in Pressure for Flowing Well:** 69 feet at 15 gal. per minute.
- **Pumping Water Level:**
  - 14 lbs to 2 feet
  - 9 to 9' - 4''
- **Height of Test pump:** 1 hour
- **How Tested:** Static
- **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 Appropriorator.

Date: 3/26/64

...
I received and filed this instrument for record on the 12th day of April 1949
at the office of the Register of Deeds of Missoula County, State of Montana

Witness my hand:

MARTIN H. BERES, County Recorder

By: [Signature]

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

Owner: George W. Hodges  
Address: 410 Colorado  
H. Missoula

Drilled:  
Location: 225 Alder  
Address: 225 Alder Missoula

Date of Notice of Appropriation of Groundwater: 10/15/62

Date well started: 10/15/62  
Date completed: 10/15/62

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 Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORMANCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; I.D. pit level</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Screen</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 lbs</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 67 feet
Shut-in Pressure for flowing well: Does not apply
Pumping Water Level: 67 feet at 19 gal. per minute
Discharge in gal. per min. of flowing well: Does not apply
Length of Test: 2 hours

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

None

License #7
Driller's License Number
J. M. Ca.  
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.
I received and filed this instrument for record on the 13 day of Nov., 1963 at 1:15 p.m. A.M., permanent files of Missoula County, State of Montana.

Witnesse by hand:
MARTIN B. SHELBY, County Recorder
By: W. L. Delaney, Deputy
Fees: $2.00.

[Signature]

MARTI NO. B. SHELBY, County Recorder

[Signature]

W. L. Delaney, Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

HUGHES FROS
of Box 40, Missoula

County of
State of

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Not Known

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: Don't Apply

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1945

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: None Existing 25 ft Deep

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 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: Signature of Owner: Hugh Fros Date: 12-2-62

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the 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. HUGHES BROS of Box 406, Missoula
   (Name of Appropor) (Address)

   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: Drinking

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1946

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): Not Known

   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: Hand Pump

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1946

   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: Swimming 25 ft Deep

   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 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:

   Signature of Owner: Bay B. Hughes
   Date: 12-26

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 Appropior.
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 327 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: PETE WELT
Address: 201 E. Broadway, Missoula, Montana 59801
Date well started: APR. 9, 1971; completed APR. 14, 1971.

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Dia. of</th>
<th>Water of</th>
<th>Depth from</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; I.D.</td>
<td>6-5/8&quot; OD GL</td>
<td>87'6&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 16 ft.
Pumping water level: 70 ft. at 10 gallons per minute, measured 90 minutes after pumping began.

*Measured from ground level.

Well developed by ball & sub 4-hr. hour test pump

Power: HP

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

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

Driller's Signature: ____________________________
Driller's Address: 740 TULIP, MISSOULA, MONT.
LICENSE NO. 192
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Fred Madison Sr.  Address: Missoula, Mont
Driller: Glenn Camp 705 Alder  Address: Missoula, Mont

Date of Notice of Appropriation of Groundwater: 12/5/61
Date Well Started: 12/5/61  Date Completed: 12/17/61

Type of Well Drilled: Churn drill
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 Drilled Hole</th>
<th>Size and Weight of Drilling Rod</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>3&quot;L.30</td>
<td>2'-2&quot; above</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Seamless</td>
<td>0.1 to 67'-6&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 15' from G.L. feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 35 feet at 25 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: Compressor
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) 5 ACRES

License # 7
Driller's License Number
Glenn Camp
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)

### Well Location
- **Name of Well**: Montana Power Co.
- **Address**: 40 W. Broadway, Butte, Montana

### Well Details
- **Owner**: Montana Power Co.
- **Address**: Missoula
- **Driller**: Glenn Camp
- **Address**: Missoula, Mont.
- **Date of Notice of Appropriation of Groundwater**: 4/10/64
- **Date Well Started**: 4/21/64
- **Date Completed**: 4/27/64
- **Type of Well**: Drilled
- **Equipment Used**: Churn Drill

### Water Use
- **Domestic** □
- **Municipal** □
- **Other** □
- **Irrigation** □
- **Industrial** □
- **Drainage** □
- **Stock** □

### Water Levels
- **Static Water Level for Non-Flowing Well**: 10 feet above
- **Shut-In Pressure for Flowing Well**: 80 feet
- **Pumping Water Level**: 6.5 feet at 1500 gal. per minute
- **Discharge in gal. per min. of flowing well**:
- **How Tested**: Pumping
- **Length of Test**: 3 hours

### Remarks
- **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)

---

### Water Strata

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From Top of Casing</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>12&quot; casing, 11-10&quot; above</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>49 lbs.</td>
<td>0.2 to 66</td>
<td>101-10</td>
<td></td>
</tr>
</tbody>
</table>

Total of 106 holes

### Drawings
- **Static Water Level for non-flowing Well**: 10 feet above the top of casing
- **Shut-In Pressure for Flowing Well**: 80 feet
- **Pumping Water Level**: 6.5 feet at 1500 gal. per minute
- **Discharge in gal. per min. of flowing well**:

---

### Diagram

- **Static Water Level for non-flowing Well**: 10 feet above
- **Shut-In Pressure for Flowing Well**: 80 feet
- **Pumping Water Level**: 6.5 feet at 1500 gal. per minute

### Remarks
- **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)

---

### Original and Copies
- **Original to the County Clerk and Recorder**: City of Missoula, Mont.
- **Duplicate to the State Engineer**: State of Montana, Office of the State Engineer
- **Triplicate to the Montana Bureau of Mines and Geology**: Bureau of Mines and Geology
- **Quadruplicate for the Appropriator**: Montana Power Co.

---

**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.

---

**THE MONTANA POWER CO.**

**By**

**Vice President**

**Driller's License Number**

**Driller's Signature**
I received and filed this instrument for record on the 27th day of October, 1866, at 2:30 p.m., pursuant to law.

Witness by:

William H. Cayce, County Recorder

By: John F. Field, Deputy
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. The Montana Power Company of Missoula
   County of Missoula, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is... Municipal Use
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed... 800 GPM

4. The annual period (inclusive dates) of intended use... 12 Months

5. The probable or intended date of first beneficial use... July 1964

6. The probable or intended date of commencement and completion of the well or wells... July 1964

7. The location, type, size and depth of well or wells contemplated...
   East Missoula, Churn Drilled, Cased with 49#, 12" Casing

8. The probable or estimated depth of the water table or artesian aquifer... 60 Feet

9. Name, address and license number of the driller engaged...
   Glenn Camp, 705 Alder Street, Missoula, Montana, License No. 7

10. Give such other similar information as may be useful...
    in carrying out the policy of this act...

    NE 1/4 Sec. 24, T. 13N, R. 19W
    Locate well or other means of development as accurately as possible on the plat.

    Signature of Appropriator... MISSOULA DIVISION MANAGER
    Date... July 13, 1964

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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 19th day of December, A.D. 1879, at 9:30 o'clock A.M., in the permanent files of Winona County, State of Minnesota.

Witness my hand:

Verona B. Bonn, County Recorder

By _______ , Deputy

Fee $2.00, ....... paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

The Montana Power Company
(Company Name)

40 East Broadway
Butte

County of Missoula
State of Montana

The Montana Power Company
(Name of Appropriator)

Address

(Town)

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

2. The beneficial use on which the claim is based. Municipal supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. May 1955, 24 hrs. per day for each year since 1937

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 500 gallons per minute - 24 hours per day

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. Pumped

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. May 7, 1937, no date for completion

8. The depth of water table: 50'

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: 125 ft. deep - 100 ft. deep

10. The estimated amount of groundwater withdrawn each year: 250,000,000 gallons

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

- 0' to 30' clay, boulders, gravel and some sand,
- 30' to 85' some sand, few boulders and coarse gravel,
- 85' to 100' gravel and some 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

(CORPORATE SEAL)

ATTEST:

THE MONTANA POWER COMPANY

Signature of Owner:

By

Vice President

Date: February 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.
I received and filed this instrument for record on the 15th day of March, 1926, at 8:47 o'clock A.M., your present time of Butte County, State of Montana.

Wife and my hand:

MARTIN S. SCHLIER, County Recorder.

By: JANET M. MILLER, Deputy

For 5 cts. D.R. Paid

192661
## WATER WELL LOG

**Owner:** Montana Power Company  
**Address:** Missoula

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

**Date Started:** July 7, 1957  
**Date Completed:**

**Location:** Sec. 24, T. 13 N., R. 1 W., 1/4 sec. S. 34, T. 4 W., 3/4

### Type of well
- [ ] Domestic  
- [ ] Municipal  
- [X] Stock  
- [ ] Irrigation  
- [ ] Industrial  
- [ ] Drainage  
- [ ] Other:

### Equipment used
- [ ] Dug  
- [ ] Drilled  
- [ ] Bored  
- [ ] Drilled Equipment used:
- [ ] Churn drill  
- [ ] Rotary  
- [ ] Other:

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

### Casing
- [X] 8 ft. to 80 ft.  
- [ ] Type:
- [ ] Size:

### Perforated or Screened
- [ ] 8 ft. to 100 ft.  
- [ ] Type:
- [ ] Size:

### Type of screen or perforations
- [ ] Gravel pack  
- [ ] 34 x 1½  
- [ ] Steel  
- [ ] Sintered:

### Static Water level, for non-flowing well
- [ ] feet.

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

### Pumping water level
- [ ] feet at:

### How tested
- [ ] Parachute:  
- [ ] Core sample:

### Length of test
- [ ] Length:

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0'</td>
<td>35'</td>
</tr>
<tr>
<td>35'</td>
<td>Boulder and gravel</td>
</tr>
<tr>
<td>35'</td>
<td>37'</td>
</tr>
<tr>
<td>37'</td>
<td>Water, silt, gravel, and clay</td>
</tr>
<tr>
<td>37'</td>
<td>38'</td>
</tr>
<tr>
<td>38'</td>
<td>Sand</td>
</tr>
<tr>
<td>38'</td>
<td>40'</td>
</tr>
<tr>
<td>40'</td>
<td>Water, silt, gravel, and clay</td>
</tr>
<tr>
<td>40'</td>
<td>60'</td>
</tr>
<tr>
<td>60'</td>
<td>Gravel and Boulder</td>
</tr>
<tr>
<td>60'</td>
<td>65'</td>
</tr>
<tr>
<td>65'</td>
<td>Course sand</td>
</tr>
<tr>
<td>65'</td>
<td>75'</td>
</tr>
<tr>
<td>75'</td>
<td>Heavy gravel and sand</td>
</tr>
</tbody>
</table>
ADDENDUM.

Form: ☑ Declaration of Vested Groundwater Rights
☐ Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner: Alex Johnson

Corrected land description: NE1/4 NE1/4
Sec. 24 T25N R44W

Initials: CS
### Declaration of Vested Groundwater Rights

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th><strong>1.</strong></th>
<th><strong>2.</strong></th>
<th><strong>3.</strong></th>
<th><strong>4.</strong></th>
<th><strong>5.</strong></th>
<th><strong>6.</strong></th>
<th><strong>7.</strong></th>
<th><strong>8.</strong></th>
<th><strong>9.</strong></th>
<th><strong>10.</strong></th>
<th><strong>11.</strong></th>
<th><strong>12.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Alex Johnson</td>
<td>The beneficial use on which the claim is based.</td>
<td>Date or approximate date of earliest beneficial use; and how continuous the use has been since then.</td>
<td>The amount of groundwater claimed (in miner's inches or gallons per minute).</td>
<td>If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.</td>
<td>The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.</td>
<td>The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.</td>
<td>The depth of water table.</td>
<td>So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.</td>
<td>The estimated amount of groundwater withdrawn each year.</td>
<td>The log of formations encountered in the drilling of each well if available.</td>
<td>Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.</td>
</tr>
<tr>
<td>Rev 4, Elks</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Missoula</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **County of Missoula** | **State of Montana** |

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

**Signature of Owner:** Alex Johnson  
**Date:** Dec 10, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
I received and file this instrument for record on the 17th day of June, 1961 at 8:30 A.M., in the clerk's office of Missoula County, State of Montana, in the presence of MARTIN M. DENNIS, Record. File 1484.

W. B. Farnham, Record

City of Missoula, Montana

214538
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Bert Saunders
Address: East Of Missoula

Driller: Glenn Camp
Address: Missoula

Date of Notice of Appropriation of Groundwater: 8/17/63
Date Completed: 9/22/63

Type of well Drilled: Churn drill
Equipment Used: Drilled (drill, 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.

Show exact depth of bottom.

Static Water Level for non-flowing Well: 30' from S.L.
Shut-in Pressure for Flowing Well:...
Pumping Water Level:...
Discharge in gal. per min. of flowing well:...
How Tested: Bitter
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
Driller's Signature

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

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

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

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1951)

STATE ENGINEER

1. Basil E. Trollop
   (Name of Appropriator) (Address) (Town)
   County of Missoula State of Montana
   0.204 Water Tower Missoula
   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:
   Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   August 25, 1960
   Constantly

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   15 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:
   32.85 acres
   Basil E. Trollop

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

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

8. The depth of water table:
   100 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:

   Casing: 42 ft deep

10. The estimated amount of groundwater withdrawn each year:
   528,000 gallons

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

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

   Signature of Owner: Basil E. Trollop
   Date: Sept. 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.
I received and filed this instrument for record on the 30th day of August, 1923, at 2:00 o'clock P.M., permanent file of Meade County, State of Kansas. Witness my hand:

[Signature]

Register

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

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Top of Ground (Elev. above sea level)</th>
<th>0 to 5(^{\prime}) Pit</th>
<th>5(^{\prime}) to 11(^{\prime}) Sand, gravel &amp; Boulder</th>
<th>Date of Notice of Appropriation of Groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11(^{\prime}) to 67(^{\prime}) Clay</td>
<td>Date well started: 11/12/62 Date Completed: 11/25/62</td>
<td></td>
</tr>
<tr>
<td></td>
<td>67(^{\prime}) to 70(^{\prime}) Clay, sand &amp; gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>70(^{\prime}) to 73(^{\prime}) Sand, gravel &amp; Boulder</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>73(^{\prime}) to 81(^{\prime}) Sand, gravel, some Clay &amp; water</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>81(^{\prime}) to 83(^{\prime}) Gravel &amp; Boulder</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>83(^{\prime}) to 91(^{\prime}) Sand, gravel &amp; water</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>91(^{\prime}) to 97(^{\prime}) Sand, gravel &amp; clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>97(^{\prime}) to 98(^{\prime}) Sand, gravel with water</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Planned Well Drilled**

<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(^{\prime}) I.D.</td>
<td>14 lbs to 99'-2(^{\prime})</td>
<td>none</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

68' from top of casing feet

**Shut-in Pressure for Flowing Well**

68' from top of casing feet at 13 gal. per minute

**Pumping Water Level**

Discharge in gal. per min. of flowing well

How Tested

<table>
<thead>
<tr>
<th>Beater Length of Test</th>
<th>23/4 hours</th>
</tr>
</thead>
</table>

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.
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

1. [Name of Appropriator] (Address) (Town)
Count of [County] State of [State of Montana] have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: [July 1953] [Every day use]

4. The amount of groundwater claimed (in miner's inches or gallons per minute): [400 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: [Farm land; No Pump]

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

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

8. The depth of water table: [Approximately 40 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: [Cased: 4" casing; 90 feet deep]

10. The estimated amount of groundwater withdrawn each year: [Approximately 10,000 Gal]

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

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

Signature of Owner: [Signature]
Date: [October 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
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1982

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

Frank L. Jr. &
Owner: Lyla L. Brown
Address: Missoula, Montana

Driller: Liberty Drilling Co
Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None filed

Date well started: 1/15/79
Date completed: 1/19/79

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

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

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.

West

<table>
<thead>
<tr>
<th>Formations Log:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 18 Gravel &amp; cobblestones mixed with some gray silt.</td>
</tr>
<tr>
<td>18 - 41 Silty sand, gravel and cobblestones.</td>
</tr>
<tr>
<td>41 - 53 Cobblestones and boulders imbedded in tan clay.</td>
</tr>
<tr>
<td>53 - 66 Cobblestones and boulders mixed with fine sand and gravel.</td>
</tr>
<tr>
<td>66 - 83 Fine sand and gravel mixed with tan silt.</td>
</tr>
<tr>
<td>83 - 86 Clean coarse sand and gravel. Water.</td>
</tr>
</tbody>
</table>

Water rises in the well 57 feet from surface.

Show exact depth of bottom.

Bottom of well 86.

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

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

Driller’s License Number

Driller’s Signature.
ADDENDUM

Form: ☑ Declaration of Vested Groundwater Rights
☐ Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner: Julius + Alice Rehmacher

Corrected land description: 1 SE 1/4 Sec. 25 T13N R30W

Initials: CS

3918 South Ave. W.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Rademacher, Julius R., Alice M., 3418 South Ave., (Rte. 1)
(Name of Appropriator) (Address) (Town)

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: irrigating

2. The date or approximate date of earliest beneficial use; and how continuous the use has been: #1 1937, #2 1961 daily use.

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

4. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: #1 well irrigating the lawn and garden 3/4 acre.

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: #1 well water withdrawn by gas and #2 well east side of house; water withdrawn by pumps.

6. The estimated amount of groundwater withdrawn each year: 75,000 gallons a year.

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

8. The depth of water table:

9. The general specifications of any other works for the withdrawal of groundwater: #1 water to 20 ft; #2 water to 10 ft; #1 3 inch casing and 32 ft deep; #2 1 1/4 inch casing and 60 ft deep.

10. 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.
Copy

I received and filed this instrument for record on the ___ day of ___ of ___ at ___ o'clock ___ M. permanent time of Missoula County, State of Montana.

Witness my hand:

MARTIN S. SCHNEER, County Recorder

By ____________________________

File No. ___.
ADDENDUM

Form: ☑ Declaration of Vested Groundwater Rights
☐ Notice of Completion of Groundwater Appropriation by Means of Well

Name of owner: Dorothy J. Burrell

Corrected land description: NE 1/4 SW 1/4
Sec. 25 7(B)(R) 26 W

Initials: AS
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Mrs. Paul (Dorothy J.) Barrett of 3912 So. Ave W., Route #1

County of MISSOURI
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 IRRIGATING
   + Household Use

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

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 IRRIGATING LAWN ½ ACRE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal NORTH OF HOUSE; PUMP WITHDRAWS WATER

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

8. The depth of water table 17 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: WATER TO 18 FT.
   SUNK Casing, Depth 47 ft.

10. The estimated amount of groundwater withdrawn each year 30,000 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: Mrs. Dorothy J. Barrett

Date: Dec. 9, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
I received and find the instrument hereunto annexed on the 13 day of April 1959
and hereby do certify that the same is the original record of a personal
lien for personal property of the above named party of the above named
county, State of Montana

Witneses my hand

M. H. PHILLIPS, County Recorder

The S. M. P. Tax Lien

Paid
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 ERVIN EDER
Address 1512 WEST
SUZETTE, MONTANA
Date well started NOV. 15, 1970
completed NOV. 17, 1970
Type of well DRILLED
Equipment used CHURN
Water Use: Domestic [X] {Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size of</th>
<th>To</th>
<th>Bore Size</th>
<th>Bore Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Holes</td>
<td>Weight of Cores</td>
<td>From (Feet)</td>
<td>From (Feet)</td>
<td>To (Feet)</td>
</tr>
<tr>
<td>6&quot;</td>
<td>6-5/8&quot; OD</td>
<td>17 lbs. gravel</td>
<td>63 4/&quot;</td>
<td>6-5/8&quot; OD</td>
</tr>
</tbody>
</table>

Static water level ..........25 ft.
Pumping water level ..........60 ft.

at 400 gallons per minute,
measured 3 minutes after pumping
began.

*Measured from ground level.

Well developed by ball 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

Driller’s Address

LICENSE NO. 193
I received and filed this instrument for record on the 15th day of May, 1972, at 5:35 o'clock, P.M., pursuant to law, of Minneola County, State of Minnesota.

Witness my hand.

November 26, 1972

[Signature]

County Receiver

[Signature]

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

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

Owner: Gordon Construction Co., Missoula, Montana

Driller: Liberty Drilling Co., Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None Filed

Date well started: 2/25/65 Date completed: 3/4/65

Type of well: Drilled Equipment used: Cable Tools

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

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gw 7</td>
<td>6 5/8&quot; OD x 3/4&quot;</td>
<td>+1'9&quot;</td>
<td>78'</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 48 feet.

Shut-in Pressure for Flowing Wells Non-f.

Pumping Water Level: 63 feet at +90 gal. per minute.

Discharge in gal. per min. of flowing well Non-Flowing

How Tested: Air Lift Pump

Length of Test: Four-hours

Remarks: (Gravel packing, cementing, packers, type of shut-off—all water entering well from open bottom of six-inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 40 to 75 percent of the tested capacity of the aquifer. Other—If used for irrigation, industrial, drainage or other, explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Lots 9, 10, 11, 12, Block 10, Union Addition

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

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

Driller’s License Number

Driller’s Signature 45,096
I received and filed this instrument for record on the 31st day of February, 1949, at 10 o'clock A.M., permanent time of Missoula County, State of Montana.
Witness my hand.

Veramos B. Cross, County Recorder

Deputy

Fee $2.00
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Top of Ground**
( Elev. above sea level ______ )

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>John M. King</td>
<td>Missoula, Montana</td>
<td>John M. King</td>
<td>Missoula, Montana</td>
</tr>
</tbody>
</table>

Date of Notice of Appropriation of Groundwater: **not known**
Date well started: **not known**
Date Completed: **not known**

Type of well: **drilled**
Equipment Used: **pulley**
(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>Site of Drilled Hole</th>
<th>Site and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>drilled</em></td>
<td></td>
<td>0</td>
<td>60</td>
<td></td>
</tr>
<tr>
<td>one 4&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>two 3&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>weight</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>unknown</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: **not known** feet.
Shut-in Pressure for Flowing Well: **not known**
Pumping Water Level: **not known** feet at **not known** gal. per minute.
Discharge in gal. per min. of flowing well: **not known**
How Tested: **not tested**
Length of Test: **not tested**
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)

| The number of acres irrigated, if used for irrigation | 12.5 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)

Mrs. Selma Hood  
Address: 2880 South Ave. W

Driller: Glenn Camp  
701 Alder  
Address: Missoula, Mont.

Date of Notice of Appropriation of Groundwater: 3/19/64  
Date Completed: 3/21/64

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>Kind of Casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>Seamless</td>
<td>1' above G.L.</td>
<td>650' ft.</td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 24 feet

Shut-in Pressure for Flowing Well: 26 ft. with Diller

Pumping Water Level: 75 G.P.M. with compressor

Discharge in gal. per min. of flowing well: 20 gal. per minute

How Tested: Compressor  
Length of Test: 1 hr

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.
I received and filed this instrument for record on the 15th day of December, 1937, in the Office of the County Recorder of Missoula County, State of Montana, Witness my hand.

MARTIN G. MEYER, County Recorder

By: [Signature] Deputy

[Signature] Pdld
**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:** Martin Neuhausen
**Address:** Missoula, Montana

| Date well started | Mar. 14, 1973 |
| Date well completed | Mar. 15, 1971 |

**Top of Ground**

<table>
<thead>
<tr>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topoill</td>
</tr>
</tbody>
</table>
| 2 | Sand, gravel, and 
| 7 | Clay |
| 12 | Sand and gravel |
| 11 | Static water level |
| 11 | Sand, gravel and 
| 25 | water |
| 42 | Sand and water |
| 48 | Clay |
| 55 | Sand and water |
| 55 | Sand and gravel and water |

**Type of well:** Drilled

**Equipment used:** Churn drill

**Water Use:** Domestic, Municipal, Stock, Irrigation

**Industrial**, **Drainage**, **Other**, **Garden/Lawn**

**Describe**

If used for irrigation, industrial, drainage or other, explain state acres and location or other details (i.e. Lot, Block and Addition).

**ESTIMATED ANNUAL WITHDRAWAL**

3/500,000 gallons

**Well developed by** Pumping for **2 hours.**

**Power:** HP

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

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**Static water level** 11 ft.

**Pumping water level** 10 ft.

*Measured from ground level.*

*Well developed by compressor for 2 hours.*

*Show exact depth of bottom*

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**Driller's Signature:**

**Driller's Address:** C.C. Drilling, P.O. Box 670, Missoula, Montana

**License No.:** 185

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**COUNTY:** Missoula
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

I, Oral Olber, of 976 Gladys Drive, 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. 

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: March 4, 1962

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

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: March 4, Compl. March 5, 1962

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: Oral Olber
Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
I received and filed the instrument for record on the 31st day of December, 1924, at 3:26 o'clock and 20 minutes, according to the standard time of the United States, in the office of the County Recorder of the County of Missoula, State of Montana.

Witness my hand.

MARTIN C. WRIGHT, County Recorder

By: [Signature]

[Stamp]