STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

AGNES E. RUSICKA

GUSTAVE F. RUSICKA and / of Route 2 North, Great Falls

(Name of Appropriator) (Address) (Town)

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been_1928, continuous since then in varying amounts dependent upon other and weather factors.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 4 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: 4 inch well and pumping equipment thereon.

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 Well drilled and completed during the month of March, 1928.

8. The depth of water table 125 to 127 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 As specified above, i.e., a four inch well, 250 feet deep. This claimant not entirely familiar with all background equipment used to withdraw water but believes that it was at one time windmill and at other times other forms of pumping.

10. The estimated amount of groundwater withdrawn each year 15,000 to 35,000 gallons.

11. The log of formations encountered in the drilling of each well if available Log of formations 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 Well drilled by predecessor in title to appropriator; and was an M. L. Hanes.

Signature of Owner: AGNES E. RUSICKA

Date: October 4, 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,

County of Cascade.

I hereby certify that the within instrument was filed in this office on

OCT 9 - 1962

at 10:05 o'clock A.M.

J. E. LENNON
County Clerk and Recorder

By:  [Signature]
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 is 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: School Dist. 1
Address: [Redacted]
Date well started: 1-19-1970
Date well completed: 5-19-1970
Type of well: Drilled (Dug, driven, bored or drilled)
Equipment used: Churn drill (Churn, rotary or other)
Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □

*Describe...*

USE: If used for irrigation, industrial, drainage or other. Explain...18 acres

ESTIMATED ANNUAL WITHDRAWAL: 2,000,000 gallons

<table>
<thead>
<tr>
<th>Size of</th>
<th>Depth of</th>
<th>Kind of</th>
<th>Length</th>
<th>Top of</th>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>10&quot;</td>
<td>IDC</td>
<td>P</td>
<td>48</td>
<td>Domestic</td>
</tr>
<tr>
<td>10&quot;</td>
<td>8-5/8</td>
<td>HP</td>
<td>75</td>
<td>23</td>
<td>Irrigation</td>
</tr>
<tr>
<td>8&quot;</td>
<td>6-5/8</td>
<td>Torch</td>
<td>401</td>
<td>395</td>
<td>Irrigation</td>
</tr>
</tbody>
</table>

Static water level: 63 ft
Pumping water level: 100 ft
at 28 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.
Well developed by: Bailer
Power: Pump: HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

3 feet of gravel placed on bottom, camera cataloged not at 180 feet.

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

Driller's Signature
Driller's Address: 2112-7th Ave. South
License No.: 135

County: [Redacted]

DRILLER'S LOG

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

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>100</td>
</tr>
<tr>
<td></td>
<td>105</td>
</tr>
<tr>
<td></td>
<td>109</td>
</tr>
<tr>
<td></td>
<td>110</td>
</tr>
</tbody>
</table>

Show exact depth of bottom.
5224

MAY 28 1970

9:35 A.M.

F. E. BAYLOR
County Clerk and Recorder.

D. E. Delena
Deputy.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>County</th>
<th>State</th>
<th>Description of Well Area</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edmund A. Tiffany</td>
<td>2606 3rd Ave. S. Great Falls</td>
<td>Cascade</td>
<td>Montana</td>
<td>Black Eagle Falls Addition, City of Great Falls, Montana</td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based: Domestic plus irrigation on a city lot.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1900 or before.

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 in 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: Withdrawn by pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Unknown—about 1900 or before.

8. The depth of water table: Unknown.

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

   *We have just taken possession of this property and do not know what extent it has been used.*

10. The estimated amount of groundwater withdrawn each year: ____________________________

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

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

Signature of Owner: ____________________________
Date: 12/31/1973

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.
UNITED STATES OF AMERICA
STATE OF MONTANA

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Dr. M. R. Oxner, 901 Avenue No., Gt. Falls, MT 59901
   (Name of Appropriator)
   (Address)
   (Town)
   County of Cascade, 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 water.

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

4. The amount of groundwater claimed (in inches or gallons per minute): 2½ 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: none.

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

7. The date of commencement and completion of the construction: 1945.

8. The depth of water table: approx. 105'.

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: 260 ft. deep, 6" hole.

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

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

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: NA.

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

1. (Name of Appropriator) (Address) (Town)

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Jan 1, 1957

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 12 gal per min

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

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

7. The date of commencement and completion of the construction of the well, weir, or other works for withdrawal of groundwater: Oct 28, 1957

8. The depth of water table: 75 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: Black Bar, 1½ in. D.B.

10. The estimated amount of groundwater withdrawn each year: 12 gal per min


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: 9/29/63

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
DEO. 3, 1903.

1:10 P.M.

J. Z. KINNON
County Clerk and Recorder.

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

**DEVELOPED AFTER JANUARY 1, 1982**

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

**Owner:** Ralph Trager  
**Address:** Roset Park, Mont.

**Driller:** Thomas B. Franklin  
**Address:** Great Falls, Mont.

Date of Notice of appropriation of groundwater: **July 20, 1970**

Date well started: **July 25, 1970**  
Date completed: **July 27, 1970**

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

**Water use:** Domestic ☑  
Municipal ☐  
Stock ☐  
Irrigation ☐  
Industrial ☐  
Drainage ☐  
Other ☐

Indicate on the diagram the character and thickness of the different strata (i.e., 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>Depth of Depth</th>
<th>Size and Weight of Drill</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6' 5&quot;</td>
<td>5 3/8 x 4.8</td>
<td>10 lbs</td>
<td></td>
<td>15 30</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 15 feet.
Shut-in Pressure for Flowing Well: **None**
Pumping Water Level: 40 feet at 5 gal. per minute.
Discharge in gal per min. of flowing well: **None**
How Tested: **Daily**
Length of Test: **1 hour**
Remarks: (Gravel packing, cementing, packers, type of shutoff) **None**

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, one copy to be retained by driller.

Please answer all questions. If not applicable, place an X otherwise the form will be returned.

**Driller's License Number**

**Driller's Signature:**

84755
STATE OF MONTANA, ss.
County of Cascade.
I hereby certify that the within instrument was received in this office on
JUL 15 1971

T. R. Eden
County Clerk of Record.
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: Nick Nelson
Address: 733 Huckleberry St., Missoula, MT 5363

Date well started: 4-16-72
Date well completed: 4-22-72

Type of well: Drilled Well Deep End
Equipment used: Rotary

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>State of Termination of Water Right</th>
<th>Static Water Level</th>
<th>Pumping Water Level</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>194 ft</td>
<td>190 ft.</td>
<td>190 ft.</td>
<td></td>
</tr>
</tbody>
</table>

Static water level 190 ft.
Pumping water level 190 ft.
at 1500 gallons per minute, measured 5 minutes after pumping began.

*Measured from ground level.
Well developed by pump for 240 hours.
Power: 25 HP. Pump 1 HP.
Remarks: (Gravel packing, cementing, packers, type of shut-off).

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

Driller's Signature: 
Driller's Address: 1720 7th Ave. So

Show exact depth of bottom

LICENSE NO. 199
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
MAY 9, 1972

Date
at 3:15 o'clock P.M.

J. L. LENNON
County Clerk and Recorder

By: [Signature]
Deputy.
File No. T.20.N.R.4 E

Top of Ground
(Elev. above sea level 2460 ft)

Owner: John M. Butler
Address: 3800 10th Avenue So.

Driller: E. D. Rafferty
Address: 927 10th Avenue SW.

Date of Notice of Appropriation of Groundwater: May 7, 1964
Date well started: May 7, 1964
Date Completed: May 26, 1964

Type of well: driven
Equipment Used: sputter
(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.

Water filled up to from top.

170 ft

6" I.D. 421
6" I.D. 435

428 ft

8" I.D.

1/4 inch thick

Static Water Level for non-flowing Well 170' below surface.

Shut-in Pressure for Flowing Well: Not applicable.

Pumping Water Level: 421 feet above sea level.

Discharge in gal, per min. of flowing well: not applicable.

How Tested: Pumped-bailed
Length of Test: 1 week by driller.

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 School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Cascade.

I hereby certify that the within instrument was filed in this office on

JUL 31 1964

at 4:06 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By [Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. John M. Butler, of 3800 10th Avenue South, Great Falls, Cascade County, 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 to supply water to be used on and in the appropriator's premises and improvements located on approximately 15 acres in the location described below.

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

4. The annual period (inclusive dates) of intended use is year around use.

5. The probable or intended date of first beneficial use is well already in use.

6. The probable or intended date of commencement and completion of the well* or wells* was commenced May 7, 1964, and completed May 26, 1964.

7. The location, type, size and depth of well or wells contemplated is driven well located on premises herein described, to depth of 435 feet with 6 inch diameter casing at top and 5 inch diameter casing at bottom. About 10 feet from

8. The probable or estimated depth of the water table or artesian aquifer is 425-435 feet below surface.

9. Name, address and license number of the driller engaged is H.D. Rafferty, 927 10th Avenue South, Great Falls, Montana, Driller License No. 28.

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

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 School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA, } In
County of Chouteau.
I hereby certify that the within instrument was filed in this office on
JUL 31 1884

[Signature]

By

County Clerk and Recorder.

Deputy.
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.

Robert H. and/or Judith A. Ekberg
Owner

Address

File 5463

Location

Date well started 7-12-1972

Date well completed 7-12-1972

Top of Ground

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>top soil</td>
</tr>
<tr>
<td>13</td>
<td>red broken sandrock</td>
</tr>
<tr>
<td>22</td>
<td>red broken sandrock</td>
</tr>
<tr>
<td>27</td>
<td>hard red rock</td>
</tr>
<tr>
<td>57</td>
<td>gray sandstone</td>
</tr>
<tr>
<td>76</td>
<td>gray shale</td>
</tr>
<tr>
<td>78</td>
<td>gray clay shales</td>
</tr>
<tr>
<td>83</td>
<td>br. sandstone</td>
</tr>
<tr>
<td>116</td>
<td>sandstone sandstone</td>
</tr>
<tr>
<td>119</td>
<td>sandstone sandstone</td>
</tr>
<tr>
<td>135</td>
<td>mystery br. sandstone</td>
</tr>
</tbody>
</table>

Type of well: drilled (Drill, drive, bored or drilled)

Equipment used: auger drill (Churn drill or other)

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

*Describe ____________________________

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Kind of Cutting</th>
<th>Penetration</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 7 17 0</td>
<td>26</td>
<td>not performed</td>
</tr>
<tr>
<td>6-5/8</td>
<td>16</td>
<td></td>
</tr>
</tbody>
</table>

Static water level 105 ft...
Pumping water level 125 ft...

*Measured from ground level.

Well developed by \text{drill} \text{for} \ldots \text{hours.}

Power Pump 150 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 2112-7th Ave. S.

Great Falls, Montana LICENSE NO. 135

Show exact depth of bottom

51/413
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
SEP 12 1972

Date [Signature]
4:10 o'clock P.M.
J. L. LENNON
County Clerk and Recorder

By [Signature] Deputv.
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: Modern Equipment Co., Inc.
Address: 1025 10th Ave. South
File 538.3

Date well started: June 1, 1972
Date well completed: June 16, 1972

Type of well: Drilled
Equipment used: Churn Drill
Water Use: Domestic

*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
Plants High

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Size and Weight of casing</th>
<th>Power</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch 5 inch</td>
<td>0 257</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 150 ft.
Pumping water level: 250 ft.

Power: Pump
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.: 28
STATE OF MONTANA, ss.
County of Cascade,

I hereby certify that the within instrument was filed in this office on

JUN 20 1912

at 1:15 o'clock P.M.

J. L. LUNN
County Clerk and Recorder

by [Signature] Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: George S. Nelson
Address: St. Falls, Mont.

Driller: Pat Byrne
Address: St. Falls, Mont.

Date of Notice of Appropriation of Groundwater: June 17, 1966
Date Completed: June 24, 1966

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

Static Water Level for non-flowing Well: 55 feet.
Shut-in Pressure for Flowing Well.
Pumping Water Level: 125 feet at 6 gal. per minute.
Discharge in gal. per min. of flowing well.
How Tested: Bailer
Length of Test: 3 hours

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

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, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on SEP 2 1969 at 2:00 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.
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: George H. Wilson
Address: P.O. Box 377, Billings, MT 59103

Date well started: July 18, 1972; completed: July 22, 1972

Type of well: Drilled

Equipment used: Churn drill

Water Use: Domestic

*Describe: Gravel packing, cementing, packers, type of shutoff

USE: 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 Borehole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>7½&quot;</td>
<td>0</td>
<td>27</td>
<td>Not performed</td>
</tr>
<tr>
<td>6½/8</td>
<td>Not cased</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 105 ft. Pumping water level: 125 ft.

*Measured from ground level.

Power: 20 gallons per minute; measured minutes after pumping began.

Well developed by Digger for 2 hours.

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

Driller's Signature: ________________________________

Driller's Address: 2112 - 7th Ave. S, Billings, MT

LICENSE NO.: 335

Show exact depth of bottom 51, 245

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.
STATE OF MONTANA,
County of Cascade.

I hereby certify that the within instrument was filed in this office on
AUG 2 3 1972

J. L. LENNON
County Clerk and Recorder

[Signature]
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: St. Falls, Montana

Address: St. Falls, Montana

Date well started .......: May 12, 1972

Date well completed .......: June 21, 1972

Type of well .......: Drilled

Equipment used .......: Churn drill

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>Diameter of Pipe</th>
<th>Rise and Fall of casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>60</td>
<td></td>
<td></td>
<td>Not performed</td>
</tr>
</tbody>
</table>

Static water level .......: 41.0 ft.
Pumping water level .......: 32 ft.

Power Pump HP .......: 3/4 HP

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

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

T 20N 4W Sec. 17

Driller's Signature

Driller's Address: 7112-7th Avenue South

County: St. Falls, Montana

LICENSE NO. 144

Show exact depth of bottom

50.230
STATE OF MONTANA, ss.
County of Cascade.
I hereby certify that the within instrument was filed in this office on
MAY 26, 1872
Date
at 3:00 o'clock P.M.
J. L. LENNON
County Clerk and Recorder
By [Signature]
Deputy
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Michael J. McNeil
Address: 1641-21 Hwy 35

Driller: Thomas B. Franklin
Address: Great Falls, Mont.

Date of Notice of appropriation of groundwater: May 8, 1969
Date well started: May 12, 1969
Date completed: May 30, 1969

Type of well: Drilled
Equipment used: Midas
(Dug, driven, bored or drilled) (Clean drill, rotary or other)

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

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

Static Water Level for non-flowing well
Shut-in Pressure for Flowing Well
Pumping Water Level
Discharge in gal. per min. of flowing well
How Torted
Length of Test
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller’s Signature:
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, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
County of Cascade.

I hereby certify that the within instrument was filed in this office on

JUL 2, 1969

at 12:00 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By: R. E. Batenum
Deputy.
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

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

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**STATE WATER CONSERVATION BOARD**

**File No.**

**Count._Cascade**

---

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

**Developed After January 1, 1962**

**Owner:**

**Driller:**

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

**Date well started:**

**Date completed:**

**Type of well:**

**Equipment used:**

**Water use:**

**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.**

**SITE OF WELL**

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

---

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

Please answer all questions, if not applicable, so stated, otherwise the form will be returned.

---

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**STATE WATER CONSERVATION BOARD**

**File No.**

**Count._Cascade**

---

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

**Developed After January 1, 1962**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>George Bryant</td>
<td>Mont.</td>
<td>Thomas B. Franklin</td>
<td>Great Falls, Mont.</td>
</tr>
</tbody>
</table>

**Date of Notice of appropriation of groundwater:** Aug. 10, 1968

**Date well started:** Aug. 10, 1968

**Date completed:** Sept. 15, 1968

**Type of well:** Dug, driven, bored or drilled

**Equipment used:** Cable tools

**Water use:** Domestic, Municipal, Stock, Irrigation, Industrial, Draining, 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 Cable</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Size (Inches)</th>
<th>Weight (Pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>262</td>
<td>403</td>
<td>4'' galon</td>
<td>6.78 lbs</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well:** 155 feet

**Shut-In Pressure for Flowing Well:** None

**Pumping Water Level:** 135 feet

**Discharge in gal. per min. of flowing well:** None

**How Tested:** Bailier

**Length of Test:** 2 hours

**Remarks:** (Gravel packing, cementing, packers, type of shut-off) None

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

**Driller's Signature:**

---

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

Please answer all questions, if not applicable, so stated, otherwise the form will be returned.

**Driller's License Number:**

**Driller's Signature:**

---

**Use for general household irrigation of trailer, or for water for trailer houses**
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: George L. Coopman
Address: [Redacted]

Driller: Thomas S. Frankoff
Address: Great Falls, Mont.

Date of Notice of appropriation of groundwater: Aug 10, 1968
Date completed: Sept 15, 1968

Type of well: Borehole
Equipment used: Cable tools

Water use: Domestic ✔ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

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

Static Water Level for non-flowing well
Shut-in Pressure for flowing well
Pumping Water Level
Discharge in gal. per min. of flowing well

How Tested: Booster
Length of Test: 2 hrs.
Remarks: Gravel packing, cementing, packers, type of shutoff.

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. Fourth copy to be returned by driller.

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

Driller's License Number: 84
Driller's Signature: [Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. CLARENCE CORBETT, of 1302 17th Street South, Great Falls, (Name of Appropriator) (Address) (Town)
County of Cascade 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 use and Irrigation of lawns and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Prior to 1947
   The well has been used continuously since June of 1948

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 800 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
   The water has been used on lots 1, 2, and 3 of Block 1 of the Plat of Fairview Addition to the City of Great Falls, Montana, owned by Glenn and Iva Corbett

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Water is drawn from the well by means of an electric jet pressure system. The well is located under the South West corner of basement on lot 2, Block 1, Plat of Fairview Add.

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

8. The depth of water table
   The water is about 28' from top of well 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
   Water is drawn from top of casing to bottom of well

10. The estimated amount of groundwater withdrawn each year About 45 million gallons per year

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

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

Signature of Owner

Date Dec 31 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 Appropriator.
CLERK AND RECORDER
CASCADE COUNTY, MONTANA
I HEREBY CERTIFY THAT THE WITHIN INSTRUMENT WAS FILED FOR RECORD IN THIS OFFICE ON
NO.

J. L. LENNON
CLERK AND RECORDER
BY DEPUTY
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:  [Name]
Address:  1805 1st Ave. S., Bozeman
Date well started:  10-30-02

Date well completed:  11-20-02

Type of well:  Drilled

Equipment used:  Churn drill

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:

70,000 gal.

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

Driller's Signature:  E. D. Repp

Driller's Address:  475 1st Ave. S., Bozeman

LICENSE NO. 265

County:  Cascade

Show exact depth of bottom

COUNTY:

Show depth at which water is found and height to which water rises in well.

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Loose sand</td>
</tr>
<tr>
<td>1</td>
<td>Irregular shale</td>
</tr>
<tr>
<td>15</td>
<td>Bed rock</td>
</tr>
<tr>
<td>22</td>
<td>Bed rock</td>
</tr>
<tr>
<td>27</td>
<td>Bed rock</td>
</tr>
<tr>
<td>34</td>
<td>Bed rock</td>
</tr>
<tr>
<td>50</td>
<td>Grey sand</td>
</tr>
<tr>
<td>57</td>
<td>Silt and sand</td>
</tr>
<tr>
<td>73</td>
<td>Silt and sand</td>
</tr>
<tr>
<td>89</td>
<td>Grey sand</td>
</tr>
<tr>
<td>102</td>
<td>Silt and sand</td>
</tr>
<tr>
<td>109</td>
<td>Water and</td>
</tr>
</tbody>
</table>

Static water level:  110 ft.

Pumping water level:  15 ft. from top

at 15 gallons per minute; measured 15 minutes after pumping began.

*Measured from ground level.

Well developed by:  Drilling

Power:  Pump:  1/2 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.
STATE OF MONTANA

County of Cascade.

I hereby certify that the within instrument was filed in this office on

MAR 17 1972

at 10:30 o'clock A. M.

J. L. LENNON

County Clerk and Recorder.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **Charles M. Luckie**
   - Name of Appropriator
   - Address
   - City

   County of **Cascade**
   - 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 use and irrigation**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   - July 1950

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and the 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 Crane piston type pump from one well**

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

8. The depth of water table
   - **Fiftyfive 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
   - **2 inch pipe; Depth 125 Ft.**

10. The estimated amount of groundwater withdrawn each year
    - **20,000 Gals.**

11. The log of formations encountered in the drilling of each well if available
    - **Six ft. of Clay; Sandstone**

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 304, Page 243, Cascade County record**

   **Signature of Owner**
   - Charles M. Luckie
   - Date December 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.
1. GORDON G. MacPHERSON, of 1708-08, 14th Ave. So, Great Falls, (Name of Appropriator) (Address) (Town)

County of Cascade, 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 use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September, 1918
   Continuous use

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

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:
   About 6,000 square feet of lawn, no other.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: September, 1918

8. The depth of water table: About forty 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:
   27 feet deep steel casing, six inch.

10. The estimated amount of groundwater withdrawn each year: Approximately 30 to 55,000 gallons

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

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

Date Nov 30th 1918

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

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

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

**MONTANA BUREAU OF MINES AND GEOLOGY**  
**Butte, Montana**

**STATE ENGINEER**

---

## Owner

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. Haylo</td>
<td>1709 - 18th East Ward 7</td>
</tr>
</tbody>
</table>

## Driller

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ed. Haylo</td>
<td>1709 - 18th East Ward 7</td>
</tr>
</tbody>
</table>

## Date Started

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>24 June 1947</td>
<td>25 June 1947</td>
</tr>
</tbody>
</table>

## Location

<table>
<thead>
<tr>
<th>Location</th>
<th>Sec</th>
<th>T.</th>
<th>N.</th>
<th>R.</th>
<th>E.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/8</td>
<td>7</td>
<td>7</td>
<td>1/4 sec</td>
<td></td>
</tr>
</tbody>
</table>

## Type of well

- [x] Dug
- [ ] Driven
- [ ] Bored
- [ ] Auger

## Equipment used

- [x] Churn drill
- [ ] Rotary
- [ ] Other

## Water use

- [x] Domestic
- [ ] Municipal
- [ ] Stock
- [ ] Irrigation
- [ ] Industrial
- [ ] Drainage
- [ ] Other

## Casing

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>18.7</td>
<td></td>
<td></td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

## Perforated or Screened

- [ ] Ft. to Ft. | Ft. to Ft.
- [ ] Ft. to Ft. | Ft. to Ft.

## Type of screen or perforations

- [ ]
- [ ]

## Static Water level, for non-flowing well:

- [ ] feet

## Shut-in pressure, for flowing well:

- [ ] lb./sq. in. on: (date)

## Pumping water level:

- [ ] feet at: gal. per min.

## How tested:

- [ ]

## Length of test:

- [ ]

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

- [ ]
- [ ]
- [ ]
- [ ]
- [ ]
- [ ]

---

(over)
<table>
<thead>
<tr>
<th><strong>WATER WELL LOG</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner:</strong> 610 4th St., Butte, Montana</td>
</tr>
<tr>
<td><strong>Address:</strong> 706-14 Colorado St., Butte, Montana</td>
</tr>
<tr>
<td><strong>Driller:</strong> J. W. Patterson</td>
</tr>
<tr>
<td><strong>Address:</strong> 815 14th St., Butte, Montana</td>
</tr>
<tr>
<td><strong>Date Started:</strong> Sept. 13, 1911</td>
</tr>
<tr>
<td><strong>Date Completed:</strong> Sept. 18, 1911</td>
</tr>
<tr>
<td><strong>Location:</strong> Sec. 17 T. 14 R., S. and E. Quarter, Great Falls, Mont.</td>
</tr>
</tbody>
</table>

| **Type of well:** Drilled |
| **Equipment used:** (Cone drill, rotary, other) |

<table>
<thead>
<tr>
<th><strong>Water use:</strong> Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Industrial</strong></td>
<td>Drainage</td>
<td>Other:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Casing:</strong> 6'' to 70'' ft.</th>
<th>Type:</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Casing:</strong></td>
<td>ft. to ft.</td>
<td>Type:</td>
</tr>
<tr>
<td><strong>Casing:</strong></td>
<td>ft. to ft.</td>
<td>Type:</td>
</tr>
</tbody>
</table>

| **Perforated or Screened:** Ft. to Ft. |
| **Type of screen or perforations:** |
| **Static Water level, for non-flowing well:** feet. |
| **Shut-in pressure, for flowing well:** lb./sq. in. on: (date) |
| **Pumping water level:** feet at gal. per min. |
| **How tested:** |
| **Length of test:** |

<table>
<thead>
<tr>
<th><strong>Remarks:</strong> (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(over)</td>
</tr>
</tbody>
</table>
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: _______
(dug, driven, bored or drilled) _______ (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>Raw and Weight of Casing</th>
<th>Raw (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>7 ½'</td>
<td>7 ½'</td>
<td>2 ½'</td>
<td></td>
</tr>
<tr>
<td></td>
<td>6½ - 7'</td>
<td>6½ - 7'</td>
<td>2 ½'</td>
<td>Cimented</td>
</tr>
<tr>
<td></td>
<td>½'</td>
<td>½'</td>
<td>2 ½'</td>
<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: __________

How Tested: __________
Length of Test: __________

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

Show exact depth of bottom.

LOCATION: Block 40 Lot 14

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, 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.

File No. ____________________

County: ____________________
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

APPROVED
APR 30, 1964

State of Montana
Supervisor of Groundwater Code
STATE OF MONTANA,

County of Carbon.

This is to certify that the within instrument was filed in this office on APR 21 1964

at 4:45 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

[Signature]
Deputy.
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: 
Address: Box 756, Cascade, MT

Date well started: May 16, 1972
completed: Nov 1, 1972

Type of well: DRILL
Equipment used: ROTARY

Water Use: Domestic

*Describe

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

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

Driller's Signature: Doug Hornbeck
Driller's Address: 403 2nd Ave SW, Cascade, MT
LICENSE NO. 149

Top of Ground (Elev. above sea level)
STATE OF MONTANA,

County of Cascade,

I, J.B. Travers, County Surveyor, in and for the County aforesaid, do hereby certify that the width of

53.05 ft. for Parcel

and 48 ft. for bounded

as shown on the plan attached hereto, was filed in the office of the

County Surveyor of said County, for record, on

May 16, 1912.

[Signature]

J.B. Travers

County Surveyor
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 check the two attached groundwater right appropriation forms, since they both have the same filing document number of 5365.

Thank you.

#5365 is OK for Bauedeau
#5366 is for Palagi.

Water Use: Domestic \(\bigotimes\) Municipal \(\square\) Stock \(\bigotimes\) Irrigation \(\square\)

Industrial \(\square\) Drainage \(\square\) Other \(\square\) Garden/Lawn \(\square\)

*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>Well Drilled Date</th>
<th>Size of Measured Area</th>
<th>Yards of Drilling</th>
<th>Feet</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>0</td>
<td>DURCO 100</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>120</td>
<td>9/16 holes</td>
</tr>
</tbody>
</table>

STATIC WATER LEVEL ___ ft.

PUMPING WATER LEVEL ___ ft.

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

*Measured from ground level.

Well developed by _______ for ___ hours.

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

LICENSE NO. 120

SHOW EXACT DEPTH OF BOTTOM
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:

Address: R76 T1 Box 786

Date well started: April 16-71

Date well completed: April 27-71

Type of well: Drilled

Equipment used: Rotary

Water Use: Domestic X Municipal ■ Stock ■ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Well (size in feet)</th>
<th>Size and Height of Casing (size and height in feet)</th>
<th>Feet Per Day (gallons per minute)</th>
<th>Feet (feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'4&quot;</td>
<td>4'0&quot;</td>
<td>120</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 386 ft.

Pumping water level: 49 ft.

At 49 gallons per minute, measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by: Pumping for 4 hours.

Power: Pump, 1/2 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: 409 7th Ave So

Driller's License: LICENSE NO. 199

Show exact depth of bottom

5978
STATE OF MONTANA,
County of Cascade.

I hereby certify that the within instrument was filed in this office on

MAY 6 1972

at 3:05 o'clock P.M.

J. L. L. IRWIN
County Auditor-Recorder

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

Owner: Joseph Mary &子女
Address: 781 Great Falls Dr.
Date of Notice of Appropriation of Groundwater: 1961

Top of Ground

Original well disappeared after an earthquake.
A new well was drilled as far as we can gain information between.

Type of Well: Deep
Equipment Used: Don't Know

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>Press (ft. H2O)</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>

4” Casing for non-flowing Well

Static Water Level for non-flowing Well: feet.

Shut-in Pressure for flowing Well: gal. per minute.

Pumping Water Level: 40 feet at gal. per minute.

Discharge in gal. per min. of flowing well: 

How Tested: Length of Test: 

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

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

County of Cascade,

I hereby certify that the within instrument was filed in this Office on SEP 10 1965 at

at 12:10 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By. Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. LORIS W. COOPER, of P. O. BOX 969, GREAT FALLS, MONTANA
   County of CASCADIA, 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, small garden and lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1956 to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 400 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: Centrifugal pump near dwelling

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

8. The depth of water table: 5 to 14 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: Centrifugal pump near dwelling 5 to 14 feet

10. The estimated amount of groundwater withdrawn each year: Unknown

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 known

Signature of Owner: Loris W. Cooper
Date: December 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 Appraiser.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. LOUIS H. COOPER, of P.O. Box 660, GREAT FALLS, (Address) (Town)
   (Name of Appropriator)
   County of CASCADE, 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: 1/26/55, continuous to date

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 400 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: 1/35

   8. The depth of water table: 10 to 15 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: Suction: 10 to 15 feet

   10. The estimated amount of groundwater withdrawn each year: Not available

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

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

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

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

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

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

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

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

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

   8. The depth of water table:

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

   10. The estimated amount of groundwater withdrawn each year:

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

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

   Signature of Owner: [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 Approprietor.