# GROUNDWATER INDEX

## County: Cascade  
**Twp. 21N**  
**Rge. 2E**

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<td>Dr. Green, Mary E.</td>
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<td>27</td>
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| 31   | Constance J.         | GW-2         | 5395            |         |
| 31   | Fischer, W. A. &  
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| 31   | Klein, A.            | GW-2         | 5399            |         |
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|                  | GW-2         | 5399            |         |
| 31   | Judly Ann            | GW-2         | 5357            |         |
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| 31   | Ward, William B.     | GW-2         | 5357            |         |
| 31   | Alexander, Richard E. | GW-2      | 5357            |         |
| 32   | Price, Charles &     
|                  | GW-2         | 5357            |         |
| 33   | B&C Realty           | GW-2         | 5357            |         |
| 33   |                       | GW-2         | 5357            |         |
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| 34   | Crook, Ams          | GW-2         | 5357            |         |
| 34   | Larvich, Jr., C.     | GW-2         | 5357            |         |
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| 35   | Anderson, Wesley W.  | GW-2         | 5357            |         |
| 35   | McCarthy, John       | GW-2         | 5357            |         |
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| 35   | Deitrich, George B.  | GW-2         | 5357            |         |
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<p>|                  | GW-2         | 5357            |         |
| 75   | Spencer, E. D.       | GW-2         | 5357            |         |</p>
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
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<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>35</td>
<td>Stewart, H.</td>
<td>G W 2</td>
<td>5249</td>
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<td>35</td>
<td>Todd, R. &amp; H.</td>
<td>G W 2</td>
<td>5287</td>
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<td>Virginia, C.</td>
<td>G W 2</td>
<td>5220</td>
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<tr>
<td>35</td>
<td>Van, Alice L.</td>
<td>II</td>
<td>4126</td>
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<td>36</td>
<td>Lenz, San. L.</td>
<td>II</td>
<td>4126</td>
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<td>36</td>
<td>Anderson, David</td>
<td>G W 4</td>
<td>3911</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 37, Montana Session Laws, 1961)

1. CLIFF LINDSAY, of P.O. Box 1398, Great Falls, Montana (Name of Appropriate)
   (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 for which the claim is based: Stock water.

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

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

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

   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: 1911 or 1912.

   8. The depth of water table: 125 feet.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled, depth 125 feet.

   10. The estimated amount of groundwater withdrawn each year: 50,000 to 100,000 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: Daytime.

Signature of Owner: CLIFF LINDSAY
Date: December 16, 1963

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

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

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

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

DEC 18 1963
at 10:30 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

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

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

1. MARY B. MUGORE
   (Name of Appropnator)
   of 1800 4th Ave. N, Great Falls,
   (Address)
   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: Stock-watering irrigation - sub-irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Dec 4, 1940 and well since approx. 1949.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 486,775 per acre-irrigated per yr., 162,925 per acre-sub-irrigated.

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:

   acreage irrigated:
   - 395 acres irrigated
   - 50 acres sub-irrigated

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: well & pump, percolating-waters-else-on-property.

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

8. The depth of water table varied from 1 ft (percolating waters) to 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 don't have records available.

10. The estimated amount of groundwater withdrawn each year 193,086,125 gallons.

11. The log of formations encountered in the drilling of each well if available: no records 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: don't know.

Signature of Owner: [Signature]
Date: 12/23/63

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 Appropnator.
DESCRIPTION OF PROPERTY

In Section Nineteen (19) of Township Twenty-one (21) North of Range Two (2) East; that part of the Southeast Quarter of the Southwest Quarter (SE\$SW\$) lying east/easterly and/or south/southerly of the County Highway running approximately north and south through said SE\$SW\$; and that part of the Southwest Quarter of the Southeast Quarter lying east/easterly and/or south/southerly of the County Highway running approximately north and south through said SW\$SE\$; and the Southeast Quarter of the Southeast Quarter (SE\$SE\$).

In Section Twenty-nine (29) of Township Twenty-one (21) North of Range Two (2) East; West Half of the Northwest Quarter (NW\$NW\$) and the Northwest Quarter of the Southwest Quarter (NW\$SW\$).

In Section Thirty (30) of Township Twenty-one (21) North of Range Two (2) East; the Northeast Quarter (NE\$), the North Half of the Southwest Quarter (SW\$SE\$); that part of the Northeast Quarter of the Northwest Quarter (NE\$NW\$) lying east/easterly and/or south/southerly of the County Highway running approximately north and south through said NE\$NW\$; and that part of the Southwest Quarter of the Northwest Quarter (SW\$NW\$) lying east/easterly and/or south/southerly of the County Highway running across said SW\$NW\$; and North and East of Sun River.

Beginning at the southwest corner of Section Twenty, Township Twenty-one (21) North, Range Two (2) East, extending thence North 455.6 feet, along the West line of said SW\$SW\$ to the south right of way line of the Great Northern Railroad, thence southeasterly 1276.73 feet along said south right of way line to the south line of said SW\$SW\$ thence West 1195.45 feet along said south line of said SW\$SW\$ to the place of beginning.
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 257 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.

**Elmer L Field**

Owner: **Richey, Mont.**

Address: **P.O. Box 222, Richey, Mont.**

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

**Date well started: 2-2-1973**

**Completed: 2-10-1973**

**Type of well: Drilled**

Equipment used: **Churn drill**

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □ Garden/Lawn □

Describe: **Not perforated**

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 Size</th>
<th>Bottom of casing (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Length (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>7&quot; 17'</td>
<td>0</td>
<td>133</td>
<td></td>
<td>Not perforated</td>
</tr>
</tbody>
</table>

Gaging has a 17" Drive Shoe on bottom

Static water level 25 ft

Pumping water level 30 ft

at 80 gallons per minute measured minutes after pumping began.

Remarked measured from ground level.

D. W. Field developed by **D. W. Field** for 4 hours.

Power: **D. W. Field** 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 Signature: **D. W. Field**

Driller's Address: **2112-7th Ave. South, Great Falls, Montana**

License No.: 135

Top of Ground (Sh. above sea level)

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>0</th>
<th>35</th>
<th>110</th>
<th>115</th>
<th>119</th>
<th>119</th>
</tr>
</thead>
<tbody>
<tr>
<td>From (Feet)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To (Feet)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Show exact depth of bottom

52/450
STATE OF MONTANA.
County of Cascade.

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

FEB 13 1973

Date
at 3:25 o'clock P.M.

J. L. LENNON
County Clerk and Recorder

[Signature]

Deputy
<table>
<thead>
<tr>
<th>Section</th>
<th>Date Started</th>
<th>Date Completed</th>
<th>Location</th>
<th>Type of well</th>
<th>Equipment used</th>
<th>Water use</th>
<th>Casing</th>
<th>Type of screen or perforations</th>
<th>Static Water level</th>
<th>Pumping water level</th>
<th>How tested</th>
<th>Length of test</th>
<th>Remarks</th>
</tr>
</thead>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2'</td>
<td>Clay</td>
</tr>
<tr>
<td>2' - 78'</td>
<td>shale (frag)</td>
</tr>
<tr>
<td>78' -</td>
<td>sand &amp; gravel</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

STATE OF MONTANA:

I hereby certify that the within instrument was filed in this office on the 7th day of FEB 1961.

[Signature]

County Clerk
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator) (Address) (Town)
County of CASCAD
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.
   LIKESSTOCK WATER SUPPLY

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   1927
   LIFE SUPPORT, INTERMITTENT TO EXPERIMENTAL USE

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   1927 (REACT DATES AVAILABLE)

8. The depth of water table.
   VEIN STRIKE AT 60 FT, WATER TABLE 10 FT

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   PUMP AND CASING DEPTH 50

10. The estimated amount of groundwater withdrawn each year.
    UP TO 75,000 GALLONS

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Apprnpriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. **Nelson K. Bunch**, 
   (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: **Domestic** and **Stock Water Supply**

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

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

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

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

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

   8. The depth of water table.  
      ____________  
      ____________

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

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

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

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

   Signature of Owner: ____________  
   Date: ____________

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

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

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

William H. & Laverna J. Shitsaker
Owner
Address: Great Falls, Mont.

Pat Byrne
Driller
Address: Great Falls, Mont.

Date of Notice of appropriation of groundwater: 12-23-1969
Date completed: 12-27-1969

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

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

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

<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>Kind of Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-5/8&quot;</td>
<td>6-5/8&quot;</td>
<td>126</td>
<td></td>
<td>Not perforated</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well in feet.
Shut-in Pressure for flowing well in psi.
Pumping Water Level in feet at pumping, 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)

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

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

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

Doc. No. 3174
Filed for record this 7th day of February, A.D. 19__.

Show exact depth of bottom.

[Diagram of well site]

[Continue on reverse side]

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

I hereby certify that the within instrument was duly filed for recording at the

FEB 5 1970

5706
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.

Frank R. and/or Donna L. Harris
Owner

Address 1st 1st
Great Falls, Montana

Date well started
3-20-1973

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>Size of Defined Hole</th>
<th>Size and Weight of Drill</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6 5/8&quot;</td>
<td>48</td>
<td></td>
<td>Not perforated</td>
</tr>
</tbody>
</table>

Static water level 29 ft.*
Pumping water level 32 ft.*
at 100 gallons per minute,
measured 20 minutes after pumping began.

*Measured from ground level.
Well developed by Drillers
for 8 hours.
Power Pump 1/4 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 Address

Driller's Signature

License No. 135

Show exact depth of bottom

53 1/7
STATE OF MONTANA,  
County of Cascade.

I hereby certify that the within instrument was filed in this office on  
MAY 14, 1973 
5:30 P.M.  

J. L. LENNON  
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.

Owner: Fischer Bros., Inc.
Address: 1st St. Falls, Montana

Date well started: 3-26-1971
completed: 3-27-1971

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>State of Drilled Site</th>
<th>Size and Weight of Casing (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8' 7' 20' 0 51</td>
<td></td>
<td></td>
<td></td>
<td>NOT PERFORMED</td>
</tr>
</tbody>
</table>

Static water level: 30 ft.
Pumping water level: 46 ft. at 45 gallons per minute, measured minutes after pumping began.

*Measured from ground level. Well developed by Bailer for 3 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: 135

County: Cascade

DRILLER'S LOG

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

Top of Ground

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>40</td>
<td>51</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

57, 6-58
STATE OF MONTANA, ex.
County of Cascade.
I hereby certify that the within instrument was filed in this office on

MAR 9 1972

at 11:51 o’clock A.M.

J. L. LENNON
County Clerk and Recorder

By: John E. Delaney

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.

Dannis D. and Constance J. Plescher
Owner

Address Rte. 1 West
St. Falls, Mont.

Date well started 5-22-1972
completed 5-31-1972

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
development 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>Size and Depth of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-5/8&quot;</td>
<td>0</td>
<td>63</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Not perforated</td>
<td></td>
</tr>
</tbody>
</table>

Static water level 20 feet
Pumping water level 63 feet
at 60 gallons per minute, measured minutes after pumping
began.

*Measured from ground level.
Well developed by Water level
for 3 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 135

Show exact depth of bottom

58,554
STATE OF MONTANA, In
County of Cascade.

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

MAR 9 1973

at 11:52 AM

J. L. LENNON
County 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.

Date well started: 1-2-1972
Date well completed: 6-3-1972

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 and Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>0</td>
<td>428</td>
</tr>
</tbody>
</table>

Static water level 25 ft.  
Pumping water level 45 ft. at 30 gallons per minute measured minutes after pumping began.

*Measured from ground level.
Well developed by Drillers for 2 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: 2112-7th Ave. South

Great Falls, Montana LICENSE NO. 135

50 Show exact depth of bottom
STATE OF MONTANA, 

County of Cascade.

I, J. L. LENNON, Clerk and Recorder, do hereby certify that the within instrument was filed in this office on

JUN 5 19

12:01 o'clock P.M

J. L. LENNON
County Clerk and Recorder

By [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.

Rodney J. and/or Karen K. Fischer
Owner
Address Rte. 1, Box 5397
St. Falls, Mont.
Date well started 5-27-1972
Date completed 5-30-1972
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>Size of Drilled Hole</th>
<th>Size and Depth of Casing</th>
<th>Pressure (Feet)</th>
<th>Temp. (Feet)</th>
<th>Kind of Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; 6-5/8&quot; 0 40</td>
<td>Not perforated</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 15 ft. Pumping water level 40 ft. at 40 gallons per minute measured 15 minutes after pumping began.

*Measured from ground level.

Well developed by Beiler for 3 hours.

Power: Pump 4 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. 335

Show exact depth of bottom 46
STATE OF MONTANA
County of Cascade.
I hereby certify that the within instrument was filed in this office on
JUN 5 1972
at 12:02 o'clock P.M.
J. L. LENNON
County Clerk and Recorder
By: [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.

Cordell H. and/or Judith Ann Stewart

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>Size of Drilled Hole</th>
<th>Size and Shape of casing</th>
<th>From (Feet) To (Feet)</th>
<th>Perforations</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; 17/&quot; 0 197</td>
<td></td>
<td></td>
<td>Not perforated</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 7' Above Grade.
Pumping water level: 01: 6 + 30 gallons per minute, measured minutes after pumping began.
*Measured from ground level.
Well developed by Flowing for 3 hours.
Power: Pump: HP
Remarks: Gravel packing, cementing, packers, type of shut off

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

Driller's Signature: David Bynum

Driller's Address: 2112 7th Ave S, Gul. Falls

LICENSE NO: 335

Show exact depth of bottom: 197
STATE OF MONTANA

County of Cascade.

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

NOV 18 1970

at 11:17 o'clock A.M.

J. L. LENON

County Clerk of the Court

By: [Signature]

Deputy
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Hilmer R. Trotz, of Box 255, Brady, Montana
   (Name of Appropriator) (Address) (Town)

County of Fondern 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 and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1955 - used daily

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

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

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

8. The depth of water table: 30 ft.

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

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

11. The log of formations encountered in the drilling of each well if available: Through clay into gravel

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

Signature of Owner: Hilmer R. Trotz
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.
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: William B. Woods
Address: Rt. 1 Box 68
St. Falls, Montana

Date well started: 3-9-1973
Completed: 3-13-1973

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

Water Use: Domestic M Municipal D Stock D Irrigation D
Industrial 0 Drainage 0 Other D 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 Hole</th>
<th>Size of Pipe</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-5/8&quot;</td>
<td>6-5/8&quot;</td>
<td>0</td>
<td>40</td>
<td>Not perforated</td>
</tr>
</tbody>
</table>

Static water level: 26 ft.
Pumping water level: 59 ft.
at 12 gallons per minute, measured minutes after pumping began.

*Measured from ground level. Well developed by Driller for 3 hours.

Power: Pump: 1 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 South
St. Falls, Montana

License No.: 135
STATE OF MONTANA, ss.
County of Cascade.

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

MAR. 14, 1973
Date

9:40 o'clock A.M.

J. L. LENNON
County Clerk and Recorder

By: [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 737 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: RICHARD A. AMBER
Address: 2221 3rd Ave. 
Great Falls, MT 59405

Date well started: May 11, 1973

Top of Ground: Gw 1

Well developed by:

Type of well: Drilled

Equipment used:

Water Use:

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Rate of Drawal</th>
<th>Rate</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 5/8</td>
<td>$200</td>
<td>30</td>
<td>510</td>
</tr>
<tr>
<td>5 5/8</td>
<td>$200</td>
<td>510</td>
<td>510</td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Well No</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>S20</td>
<td>30</td>
<td>510</td>
</tr>
</tbody>
</table>

Static water level: 60 ft
Pumping water level: 420 ft

- Measured from ground level.
- Well developed by Air Pump for 60 hours.
- Power: 140 HP
- Remarks: (Gravel packing, cementing, etc.)

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller’s Signature: [Signature]
Driller’s Address: [Address]
Great Falls, Montana 59406
LICENSE NO.

Top of Ground: (Elev. above sea level)

<table>
<thead>
<tr>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>510</td>
<td>Show exact depth of bottom</td>
</tr>
</tbody>
</table>

County: [County]
STATE OF MONTANA, County of Cascade.
I hereby certify that the within instrument was filed in this office on JUN 9 1973, at 3 o'clock P.M.

J.N. LENNON
County Clerk and Recorder.

[Signature]
Denver
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.

Charles D. and/or Viatrice V. Pierce
Owner

Address: 810 20th Ave., Great Falls, Mont.

Date well started: 8-2-1970
Date well completed: 8-3-1970

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>Field Area</th>
<th>Total</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>8&quot; 28&quot;</td>
<td>0</td>
<td>17</td>
</tr>
</tbody>
</table>

Not perforated

Static water level: 13 ft.
Pumping water level: 30 ft.

Well developed by: Drillers

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

County: Cascade

Show exact depth of bottom

LICENSE NO. 135
STATE OF MONTANA, \textit{ex.}
County of Cascade.

I hereby certify that the within instrument was filed in this office on
AUG 2 & 1970

\textbf{4:07} o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

\textbf{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
B & C Realty
1100 14th St S0
Great Falls, Mont 59401

Address

Date well started
17 Aug 1972

completed
21 Aug 1972

Type of well
Drilled
(Dig, driven, bored or drilled)

Equipment used
Rotary
(Churn drill, rotary or other)

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 tubing (In)</th>
<th>Size and Depth of Casing (In)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1/8</td>
<td>4&quot; PVC</td>
<td>Sfo 50</td>
<td></td>
<td>Slotted 45</td>
</tr>
</tbody>
</table>

Static water level...

Pumping water level...

*Measured from ground level.

Well developed by...

Power...

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

County: Cascade

License No. 214

Top of Ground

<table>
<thead>
<tr>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
</tr>
<tr>
<td>3</td>
</tr>
<tr>
<td>60</td>
</tr>
<tr>
<td>45</td>
</tr>
<tr>
<td>90</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

52.64
STATE OF MONTANA

County of Cascade.

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

MAR 9 1973

Date
at 3:25 P.M.

J. L. LENNON
County Clerk and Recorder.

By: W. Wilson
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: B & G Realty
Address: 1100 14th St. S., Great Falls, Montana 59401

Date well started: August 29, 1972
Completed: August 30, 1972

Type of well: Drilled
Equipment used: Rotary

Water Use: Domestic [x] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [x]

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 Hole (in)</th>
<th>Fire and Water (gallons per minute)</th>
<th>Depth (feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>Slotted</td>
<td>35</td>
<td>55</td>
</tr>
</tbody>
</table>

Static water level: 8 ft.
Pumping water level: 30 ft.
Power of pump: 140 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 Address: 503-343 St. M.W.

Show exact depth of bottom

52,650
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
MARCH 9, 1973
at 3:33 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:** B & C Realty

**Address:** 1100 14th St. So.

**File:** 5469

Great Falls, Montana 59401

**Date well started:** Aug 31, 1972

**Completed:** Aug 31, 1972

**Type of well:** Drilled

**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>Diameter</th>
<th>Size of Well</th>
<th>Size of Casing</th>
<th>Size of Screen</th>
<th>Depth</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>9&quot;</td>
<td>6' PVC</td>
<td>100</td>
<td>Slotted</td>
<td>50</td>
<td>85</td>
</tr>
</tbody>
</table>

Static water level: 8 ft.
Pumping water level: 60 ft.

*Measured from ground level.*

**Well developed by:** Air pump

**Power:** Cat GDC Pump 100 HP

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

**Casing Cemented**

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

Each small square represents 40 acres.

**Driller's Signature:**

**Driller's Address:** 503 34th St. N.W.

**Great Falls, Mont. 59401 LICENSE NO. 214**
STATE OF MONTANA, ex
County of Cascade.

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

MAR 9, 1973

at 3:00 o'clock P.M.

J. L. LENNON
County Clerk and Recorder.

By: [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: B & C Realty
Address: 1100 34th St. So., Great Falls, Montana 59401

Date well started: 8 Dec '72
Completed: 21 Dec '73

Type of well: Drilled

Equipment used: Rotary (Churn drill, rotary 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>Size and Depth of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8</td>
<td>3 258 steel</td>
<td>555</td>
<td>555</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kind</td>
</tr>
<tr>
<td>Drilled</td>
</tr>
</tbody>
</table>

Static water level 65 ft.
Pumping water level 550 ft.

gallons per minute
measured minutes after pumping began.

*Measured from ground level.

Well developed by Bauer for 4 hours.

Power (Base): Pump HP
Remarks: (Gravel packing, cementing, etc., etc.)

Casing Cements:

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

Driller's Signature: John A. Taylor
Driller's Address: 503 - 34th St. N.W.
Great Falls, Mont. 59404

LICENSE NO. 214

Show exact depth of bottom 555
STATE OF MONTANA
County of Cascade

I hereby certify that the within instrument was filed in this office on
MAR 9 1973
11:30 a.m.

J. L. LENNON
County Clerk and Recorder.

By: J. Wilson
Deputy.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. **Amos Cook**, of **Route 1, West, 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:

   - The beneficial use on which the claim is based: **Household use and to irrigate lawn and garden**
   - Date or approximate date of earliest beneficial use; and how continuous the use has been: **15 years**
   - The amount of groundwater claimed (in miner’s inches or gallons per minute): **50 gallons**
   - If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **One acre of lawn and garden owned by Amos Cook**
   - The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **Natural flow**
   - The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **August 1945**
   - The depth of water table: **Flowing well under pressure**
   - 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: **2½ pipes – 195 feet**
   - The estimated amount of groundwater withdrawn each year: **3,720,000 gallons**
   - The log of formations encountered in the drilling of each well if available: **Not available**
   - 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: **Amos Cook**
   Date: **June 6, 1963**

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

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

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

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

JUN 5 1962
\11:57\ A.M.

J. T. LENNON
County 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:** Charles C. Loveall

**Address:** Aachen Street, East

**Grant Falls, Mont.**

**Date well started:** April 22, 1972

**Completed:** April 25, 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>Size Drilled</th>
<th>Size Filled</th>
<th>Depth (Feet)</th>
<th>Pumps (Hp)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-3/8</td>
<td>6-5/8</td>
<td>0</td>
<td>1/2</td>
</tr>
</tbody>
</table>

**PERFORMANCES**

<table>
<thead>
<tr>
<th>Kind</th>
<th>Size and Weight of Cone</th>
<th>Depth (Feet)</th>
<th>Pumps (Hp)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**N**

**W**

**E**

**S**

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

**Driller's Signature:**

**Driller's Address:** Grant Falls, Montana

**LICENSE NO.** 135

---

**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.
I ATE OP MONTANA, Ia.

County of Carondelet.

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

MAY 1, 1917

By

[Signature]

[Note: The signature is not legible.]

STATE OF MONTANA

County of Carondelet

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

MAY 1, 1917

By

[Signature]

[Note: The signature is not legible.]

5357
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: Hill J. Hadovich
Address: Swanster, MT
Date well started: July 12, 1972

Date well completed: July 19, 1972

Top of Ground

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top soil</td>
</tr>
<tr>
<td>182</td>
<td>Gray silt</td>
</tr>
<tr>
<td>185.190</td>
<td>Sand, gravel, water</td>
</tr>
</tbody>
</table>

Type of well: Drilled
Equipment used: Churn drill

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

*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 Diameter</th>
<th>Rate of Flow</th>
<th>Feet</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-5/8&quot;</td>
<td></td>
<td>100</td>
<td>Not perforated</td>
</tr>
</tbody>
</table>

Static water level: 5 ft
Pumping water level: 30 ft
at 50 gallons per minute,
measured minutes after pumping began.

*Measured from ground level.

Well developed by bailer
for 12 hours.
Power: Pump 1 HP
Remarks: Gravel packing, cementing, packers, type of shutoff.

INDICATE LOCATION OF WELL An FACE OF USE, IF POSSIBLE.
EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: [Signature]
Driller's Address: 2112-7th Ave, South
Grant Field, Montana
LICENSE NO. 135

Show exact depth of bottom

RECEIVED
AGED 14 1972

County: Cascade
STATE OF MONTANA, ss.
County of Cascade.

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

JUL 26 1922

Date

at 8:17 o'clock a.m.

J. L. LENNON
County Clerk and Recorder

By

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

Manchester
Owner: Wesley W. Anderson
Address: West Great Falls
2113-7 Ave. S.

Driller: Pat Byrne
Address: Great Falls, Mont.

Date of Notice of Appropriation of Groundwater:

April 29, 1966

Date well started: April 29, 1966

Type of well: Drilled

Water Use: Domestic

Indicate the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, 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</th>
<th>Size and Weight of</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole</td>
<td>casing</td>
<td></td>
</tr>
<tr>
<td>7&quot;</td>
<td>17’’ Seamless</td>
<td>3-35 Spans</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: Above Grade...feet.

Shut-in Pressure for Flowing Well: 2#

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

Discharge in gal. per min. of flowing well: 1

How Tested: Driller

Length of Test: 4 hours

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

Show exact depth of bottom.

See Reverse Side of Page for Notarization

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.

4/11/5
STATE OF MONTANA
COUNTY OF CASCADE

Before me, H. O. Clark, a Notary, personally appeared Pat Byrnes, who acknowledged that he signed the paper on the reverse side as the driller. Dated at Great Falls, Montana this 31st day of May, 1966.

\[Signature\]

Notary Public for the State of Montana

My Commission expires April 20, 1969

\[Signature\]

I. L. Lennon
County Clerk and Recorder

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

**DEVELOPED AFTER JANUARY 1, 1968**

(Under Chapter 237, Montana Session Laws, 1961)

| Owner: John Adams | Address: Head, Falls, Mont. |
| Driller: Thomas B. Franklin | Address: Head, Falls, Mont. |
| Date of Notice of appropriation of groundwater: May 11, 1968 |
| Date well started: May 13, 1968 | Date completed: May 17, 1968 |

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

**Equipment used:** Cables, 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.

### Table: Size of Drilled Hole

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cables</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 inch</td>
<td>5 inch</td>
<td>135 ft</td>
<td>None</td>
</tr>
<tr>
<td>10 ft well Cables</td>
<td>17 ft per ft</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well:** 1 foot.

**Shut-in Pressure for Flowing Well:** None.

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

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

**How Tested:** Bailor.

**Length of Test:** 2 hrs.

**Remarks:** (Gravel packing, cementing, packers, type of slurry): None.

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>132 ft</td>
<td>132 ft</td>
<td>135 ft</td>
<td>Water Bearing Sand, gravel.</td>
</tr>
</tbody>
</table>

Show exact depth of bottom.

**Driller's License Number:** 84

**Driller's Signature:** Thomas B. Franklin

**Date:** 4/1/1939

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.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: F. Crawford
Address: Manchester, Montana

Driller: F. Crawford
Address: Manchester, Montana

Date of Notice of Appropriation of Groundwater: Nov. 1, 1963
Date Completed: Nov. 15, 1963

Type of well: Drilled
Equipment Used: Rotary

Water Use: Domestic

"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 Defiled 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>3 inches</td>
<td>2 inch galvanized pipes</td>
<td>0</td>
<td>182 ft.</td>
<td></td>
</tr>
<tr>
<td>2 inches</td>
<td>none</td>
<td>182 ft.</td>
<td>192 ft.</td>
<td></td>
</tr>
</tbody>
</table>

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

Pumping Water Level...

Discharge in gal. per min. of flowing well:

How Tested:

Tested with a bucket at various times for several days:

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). Casing cemented...

...from 182 ft., up to 10 ft. 2 inch gate valve...

...shut-off at 1 ft.

Show exact depth of bottom.

Complete description of land: A tract of land in the Southwest Quarter of the Southwest Quarter (35.944) of Section Thirty-five (35), Township twenty-one (21) North, Range Two (2) East, R.P.M., said tract consisting of the North 100 ft. of said Southwest Quarter of the Southwest (continued to back of page).

Driller's License Number: G. Crawford
Driller's Signature: G. Crawford

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 Appropriation of Groundwater

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws of 1961)

George L. Dent and Mrs.

1. George L. Dent, of 2025 Central Ave., Great Falls,
   (Name of Appropriator)
   (Address)
   (Town)

   County of Cascade, 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: domestic household use; livestock; lawn irrigation on lands described in No. 10.

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

4. The annual period (inclusive dates) of intended use: all year round.

5. The probable or intended date of first beneficial use: has been used since September, 1963, for above beneficial uses.

6. The probable or intended date of commencement and completion of the well or wells.
   Well was completed in September, 1963.

7. The location, type, size and depth of well or wells contemplated.
   Located in 1.9 acre tract described in No. 10 below; artesian well with pump; 2" casing; 175 feet.

8. The probable or estimated depth of the water table or artesian aquifer: approximately 172'.

9. Name, address and license number of the driller.
   George L. Dent

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


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.
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
DEC 31 1952

Date
at 11:11 o'clock AM.

J. L. LENNON
County Clerk and Recorder.

By Deputy.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1968
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Richard & Emily A.  Address: St. Pauls, Mont.
Driller: Pat. Byrne  Address: St. Pauls, Mont.

Date of Notice of appropriation of groundwater: __________________________
Date well started: A-22-1969  Date completed: A-25-1969
Type of well: Drilled  Equipment used: Churn Drill
(Dog, driven, bored or drilled) (Churn drill, rotary or other)

Date: 1969  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>Depth (feet)</th>
<th>Number of strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>-------------</td>
<td>-----------------</td>
</tr>
</tbody>
</table>

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

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; these copies 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
Driller's Name