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: MRS. REATHALTRY
Address: Rte 1 Box 299 Great Falls

Driller: MRS. REATHALTRY
Address: Rte 1 Box 299 Great Falls

Date of Notice of appropriation of groundwater: October 9, 1967
Date well started: Nov. 1965
Date completed: Sept. 30, 1967

Type of well: dug
Equipment used: back hoe
(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>Form (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dug</td>
<td>CEMENT CEMENT CEMENT</td>
<td></td>
<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, packing, type of shut-off)

NE 1/4 Sec. 30, T. 20, R. 4
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Driller's License Number

Driller's Signature

File No. 

County: CASCADE

State of Montana
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

LOG
OCT 19 1967

0-5 Top Soil
5-18 Quick sand water
18-20 Gumbo
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
Oct 9 1857

2 10 P.M.

J. L. LENNON
County Clerk and Recorder.

[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)

Name of Appropriator

County of

State of

Name of Wells

Addresses

Town

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

2. The beneficial use on which the claim is based was water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gal per min

5. If used for irrigation, give the acres 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
County of Cascade.

I hereby certify that the within instrument was filed in this office on
DECEMBER 30, 1892
at 1:30 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By
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: A. Foster
Address: Butte, MT

Driller: J. G. Smith
Address: Butte, MT

Date of Notice of appropriation of groundwater: 12/12/1962
Date well started: 12/12/1962
Date completed: Date not specified

Type of well: Drilled
Equipment used: Churn drill

Water use: 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 the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Coupling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>28, 8&quot;</td>
<td>0</td>
<td>39</td>
<td>(Not perforated)</td>
</tr>
<tr>
<td>6&quot;</td>
<td>18, 6&quot;</td>
<td>0</td>
<td>174</td>
<td>(Not perforated)</td>
</tr>
</tbody>
</table>

N

Static Water Level for non-flowing well
Shut-in Pressure for Flowing Well
Pumping Water Level 100 feet
Discharge at 100 feet gal. per minute

How Tested: Tailor
Length of Test: 4.7 hours
Remarls: (Gravel packing, cementing, packers, type of shutoff)

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

Show exact depth of bottom.

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

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

Driller’s License Number
Driller’s Signature
STATE OF MONTANA
County of Cascade

I, L. E. Hannon, County Clerk and Recorder,

this 1st day of June, 1952, certify that the within instrument was filed in this office on

[Handwritten note]

[Handwritten signature]

L. E. Hannon
County Clerk and Recorder

[Handwritten date]

6-1-52
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. _____, _____, State of Montana
   (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

   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 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, 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 __________________________________________

RECEIVED
黠 1964

STATE ENGINEER
CLERK AND RECORDER
VAUXHALL COUNTY MALAMIA
I hereby certify that the within document was filed for record
in this office on
DECEMBER 31, 1963
AT 7:15 M
AND DUTY PERFORMED AS DOCUMENT
NO. 4575
J. L. LENNON
CLERK AND RECORDER
BY DEPUTY
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1903)

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:
   
   - Household
   - Farm, ranch, and farm...

3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   - 1902
   - 1903

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

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:
   - House
   - Field
   - Garden
   - Farm

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Pumps
   - Well
   - Stream
   - Drain

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - 1902
   - 1903

8. The depth of water table:
   - 12 ft.
   - 15 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
   - Well
   - Drain

10. The estimated amount of groundwater withdrawn each year:
    - 1000 gph
    - 2000 gph

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.

---
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **L. Johnson Inc.**
   - Name of Appropriator: L. Johnson Inc.
   - Address: 101 South Main St., Great Falls
   - Town: Great Falls

2. The beneficial use on which the claim is based: household use, watering stock, irrigation of gardens, lawns, trees, and crop spraying.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: continuous use since 1960.

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

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, WM 1/4 SW 1/4 Sec. 2, T. 20 N., R. 1 E.

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

8. The depth of water table: 90 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   - Deep well, 6-inch casing, 128 feet deep.

10. The estimated amount of groundwater withdrawn each year: 365,000 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: none.

---

Signature of Owner:

L. Johnson Inc.

Date: 30 December 1963

---

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

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

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

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

1. L. Johnson Inc.
   (Name of Appropriator)
   of Route 1 South
   Great Falls
   (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: Water for household use, watering of stock, irrigation of gardens, lawns, and trees, crop spraying.

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

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

   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

   SW 1/4 SW 1/4 Sec. 21, T. 20 N., R. 4 E.

   L. Johnson Inc., owner

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Approximately 1962

   8. The depth of water table: 12 feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Shallow well, 3 foot casing, 16 foot depth

   10. The estimated amount of groundwater withdrawn each year: 73,000 gallons

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

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

   Signature of Owner: L. Johnson Inc.
   Date: 30 December 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.
I,   V:  "''

CLERK AND RECORDER
MISSOULA COUNTY, MONTANA

I hereby certify that the within
instrument was filed for record
in this office on 31. 1962.

At 11:42 A.M.
All duly recorded as requested.

J. L. LEMON
CLERK AND RECORDER

By [Signature]
DEPUTY
**Declaration of Vested Groundwater Rights**

(Received under Chapter 237, Montana Session Laws, 1961)

1. **John H. Miller**, 601 Main St., Pole Butte, Cascade County, MT, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   - **County of:** Cascade
   - **State of:** Montana

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

3. **Date of earliest beneficial use:** 1931

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:** 5 ft

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

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:** John H. Miller
   **Date:** Dec. 1st, 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.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Lysan Ranch Corp. Address: Great Falls, Mont.
Driller: Pat Byrne Address: Great Falls, Mont.

Date of Notice of appropriation of groundwater: 11-18-1966
Date well started: 11-19-1966 Date completed: 11-19-1966

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.

Static Water Level for non-flowing well 10 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level 20 feet at 50 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: Baller
Length of Test: 1 hour
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 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, 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, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
FEB 7 1968

at 8:55 o'clock A.M.

J. L. LENNON
County Clerk and Recorder

By: J. L. LENNON
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. Lynan Ranch, of Route 1, Great Falls.
(Name of App. (propriator) 
(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: 
Livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1920

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1920

8. The depth of water table: Three to fifty feet depending on rainfall.

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: Open well, hand dug.

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

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

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

Signature of Owner Lynan Ranch

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 Appropriorator.
1 hereby certify that the within instrument was filed in this office on

[Signature]

at 10:19

County Clerk

[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. Albert W. & Laura E., Prinzing, of Route 1, South, Great Falls, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

2. The beneficial use on which the claim is based is for home consumption and irrigation of garden and lawn.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been about 1917. Continuous use 12 months of each subsequent year.

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. Approximately 10 acres. (see notes and bounds description Marked Exhibit A, attached hereto and made a part hereof) Owners: Albert W. & Laura E. Prinzing.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal 11/4 inch, 1/2 hp. pump = 1 well only.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1917.

8. The depth of water table 20 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. Well 20 feet deep, 1 foot diameter, lined with sandstone. Bottom of well on solid clay. 1 1/4 inch pipe into well with a foot valve and coarse screen on bottom end. Concrete cover over well.

10. The estimated amount of groundwater withdrawn each year 500,000 gallons annually.

11. The log of formations encountered in the drilling of each well if available sand practically all 20 foot depth of well.

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. Appropriaors also have recorded water right in Book "F" of Water Rights, p. 435 dated 5/28/63 at 1:43 p.m., Clerk and Recorder's Office, Cascade County, Montana, covering 30 inches of water of Sand Coulee Creek for irrigation, land described in lease and other land.

Signature of Owner:  

Signature of Owner:  

Date: 11/5/63

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

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

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

Address: 

Date well started: 6-1-1970

Date well completed: 6-20-1970

Top of Ground (feet above sea level):

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 Weight of Casing</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot;</td>
<td>8-5/8</td>
<td>32&quot;</td>
</tr>
<tr>
<td>8&quot;</td>
<td>7&quot; 17/32&quot;</td>
<td>45' 67</td>
</tr>
</tbody>
</table>

Static water level: 38 ft.

Pumping water level: 60 ft.

Well developed by bailing for one hour.

Power: Pump, HP

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

Static water level: 38 ft.

Pumping water level: 60 ft.

Well developed by bailing for one hour.

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: 

License No: 135

Show exact depth of bottom
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: Lyman Ranch
Address: 151 Lincoln Dr., Missoula, MT 59802

Date well started: 6-1-1970
Completed: 6-20-1970

Type of well: Drilled
Equipment used: Churn drill
Water Use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]

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

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

Driller’s Signature: ____________________________
Driller’s Address: St. Falls, Montana
LICENSE NO. 735

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>58</td>
<td>Clay &amp; Silt</td>
<td></td>
</tr>
<tr>
<td>60</td>
<td>Sandstone, gravel, liz.</td>
<td></td>
</tr>
<tr>
<td>65</td>
<td>Sandstone, gravel, liz.</td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>Sandstone, gravel, liz.</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level: 38 ft.*
**Pumping water level: 38 ft.*
**at 60 gallons per minute, measured minutes after pumping began.
**Power: HP Pump
**Remarks: (Gravel packing, cementing, packers, type of shutoff)

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)

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

---

**Owner:** Lyman Ranch  
**Address:**  
**Driller:** Pat Lyman  
**Address:**

---

**Date of Notice of appropriation of groundwater:**
**Date well started:** Sept. 5, 1962  
**Date completed:** Oct. 15, 1962

---

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

**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>Strata</th>
<th>Depth (feet)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silts</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

---

**Static Water Level for non-flowing well:** 60 feet

**Shut-in Pressure for Flowing Well:**

**Pumping Water Level:** 135 feet at 100 gal. per minute

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

**How Tested:** Diller

**Length of Test:** 1 hour

**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).

---

**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.**
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>1.</th>
<th>Lynn Ranch</th>
<th>Route 1,</th>
<th>Great Falls</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name of Appropriator)</td>
<td>(Address)</td>
<td>(Town)</td>
<td></td>
</tr>
<tr>
<td>County of</td>
<td>Cascade</td>
<td>State of</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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,**

   **Irrigation of garden plot and livestock.**

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

   **1908. Continuous use.**

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

   **Entire output of well.**

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

   **Garden plot of about two acres within a radius of 1,000 feet of the well.**

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

   **Well. Water is withdrawn by means of a pump.**

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

   **1908.**

8. The depth of water table.

   **Three to fifty-five feet depending on rainfall.**

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

   **Drilled well. Four-inch casing.**

10. The estimated amount of groundwater withdrawn each year.

    **Four million gallons.**

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

    **Not available.**

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

   

---

**Signature of Owner:**

**President:**

**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 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) (Address) (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 since 1946
      ____________________________________________________________________________

   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 as 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, ex. inf. County of [illegible].

I hereby certify that the within instrument was filed in this office on ___________ day of __________, 19__ at __:__ o'clock M.

J. L. LENNON
County Clerk and Recorder.

By: [Signature]
Deputy.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Helen L. Pierce Castell
3508 11th Avenue South and
Hamilton C. Pierce
515 3rd Avenue South
Great Falls
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana

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

2. The beneficial use on which the claim is based: Human & animal consumption.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Unknown - prior to 1910.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): All groundwater encompassed by land description.

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

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

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

8. The depth of water table: 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: Unknown.

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: Unknown.

Signature of Owner: Helen L. Pierce Castell
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 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) 
(Address) 
(Town) 

County of (County) 
State of Montana (State)

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

2. The beneficial use on which the claim is based

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

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, 1963.
County of Cascade.
I hereby certify that the within instrument was filed in this office on
DEC 31 1963.

J. L. LENNON
County Clerk and Recorder.

By N. Floyett
Deputy.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ayrehro Dairy

Address: P.O. Box 2387 Great Falls

Driller: Spornhoon Drilling Co.

Address: Route 1 N., Great Falls

Date of Notice of Appropriation of Groundwater: 4/19/64

Date well started: 4/19/64

Type of well: Drilled

Equipment Used: Rotary

(Jug, driven, bored or drilled)

Water Use: Domestic

Municipal

Other

Irrigation

Industrial

Drainage

Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 0.75 lb.</td>
<td>10 3/4 lb.</td>
<td>0</td>
<td>153</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 60 feet.

Shut-in Pressure for Flowing Well: not flowing.

Pumping Water Level: 100 feet at 80 gal. per minute.

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

How Tested: Bailer test

Length of Test: 6 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) 30

Cementing around casing from 0 to 153 ft.

Driller's License Number

Driller's Signature

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

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

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

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

DEC 14 1964
at 3:35 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.

St. Falls Cemetery Area
Owner:
Address:
Bank:
Date well started: July 6, 1970
completed: July 22, 1970

Type of well: drilled
Equipment used: churn drill

Water Use: Domestic [x] Municipal [ ] Stock [ ] Irrigation [ ] 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).

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

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 (feet above see level)

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>top soil</td>
</tr>
<tr>
<td>20</td>
<td>red shale &amp; rock</td>
</tr>
<tr>
<td>30</td>
<td>gray hard shale</td>
</tr>
<tr>
<td>40</td>
<td>sandstone</td>
</tr>
<tr>
<td>50</td>
<td>very hard</td>
</tr>
<tr>
<td>100</td>
<td>sandstone gray</td>
</tr>
<tr>
<td>115</td>
<td>red rock - firm</td>
</tr>
<tr>
<td>130</td>
<td>gray lime - firm</td>
</tr>
<tr>
<td>140</td>
<td>pink sandstone, enter 2 gpm</td>
</tr>
<tr>
<td>160</td>
<td>black shale</td>
</tr>
<tr>
<td>170</td>
<td>gray shale - shales</td>
</tr>
<tr>
<td>175</td>
<td>sand - hard</td>
</tr>
<tr>
<td>185</td>
<td>gray - pink shale</td>
</tr>
<tr>
<td>200</td>
<td>green shale - firm</td>
</tr>
<tr>
<td>210</td>
<td>hard gray lime</td>
</tr>
<tr>
<td>220</td>
<td>gray lime &amp; hard shales</td>
</tr>
<tr>
<td>230</td>
<td>gray limey shale</td>
</tr>
<tr>
<td>240</td>
<td>gray limey shale</td>
</tr>
<tr>
<td>250</td>
<td>black lime - hard</td>
</tr>
<tr>
<td>260</td>
<td>gray limey sand</td>
</tr>
<tr>
<td>270</td>
<td>gray limey sand</td>
</tr>
<tr>
<td>280</td>
<td>sand</td>
</tr>
<tr>
<td>290</td>
<td>lime</td>
</tr>
</tbody>
</table>

- Measured from ground level.
- Well developed by bailer for 1 hour.
- Power: Pump: HP
- Remarks: (Gravel packing, cementing, packers, type of shutoff)
STATE OF MONTANA,
County of Cascade.

I hereby certify that the within instrument was filed in this office on
AUG 28 1970

at 3:45 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, 1963

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

This form to be prepared by driller and three copies filled by owner with the County Clerk and Recorder in the county in which the well is located. Last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner
Address
Bank Name

Date well started
Completed

Type of well drilled
Equipment used
Water Use: Domestic □ Municipal □ Stock □ Irrigation □
Industrial □ Drainage □ Other □ Garden/Lawn □

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Water Use</th>
<th>Foot</th>
<th>Footage</th>
<th>Feet</th>
<th>Footage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>15</td>
<td>15</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Municipal</td>
<td>20</td>
<td>20</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>Stock</td>
<td>25</td>
<td>25</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>Irrigation</td>
<td>30</td>
<td>30</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Footage</th>
<th>Foot</th>
<th>Footage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Footage</th>
<th>Footage</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>5</td>
<td>5</td>
</tr>
<tr>
<td>10</td>
<td>10</td>
</tr>
<tr>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

Static water level
Pumping water level

*Measured from ground level.

Well developed by for hours.

Power Pump HP

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

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 20 ACRES.

Driller's Signature

Driller's Address

LICENSE NO.

County...
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: Joseph P. Hueth
Address: 1912 - 11th Ave. S.
Great Falls, Mont. 59405

Date well started: 12 May 1973
Completed: 31 May 1973

Type of well: Drilled
Equipment used: Rotary

State number of acres and location or other data (i.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Piping</th>
<th>Size and Weight of Fitting</th>
<th>Depth 1</th>
<th>Depth 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot; 500 Steel</td>
<td>175</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>3½&quot; PVC</td>
<td>260</td>
<td>Slotted</td>
<td>256</td>
</tr>
</tbody>
</table>

Static water level: 30 ft
Pumping water level: 150 ft
at 20 gallons per minute, measured 60 minutes after pumping began.
*Measured from ground level.

Well developed by Air Pump, for 6 hours.
Power: Cat 125 HP 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: 500 - 34th St. N.W.

Great Falls, Mont. 59405
LICENSE NO. 214

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 (after above line level)

<table>
<thead>
<tr>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>52</td>
</tr>
<tr>
<td>32</td>
<td>189.0 clay with some rock</td>
</tr>
<tr>
<td>180</td>
<td>210</td>
</tr>
<tr>
<td>200</td>
<td>226 clay with some rock</td>
</tr>
<tr>
<td>226</td>
<td>240 sand</td>
</tr>
</tbody>
</table>

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

Show exact depth of bottom
STATE OF MONTANA}
County of Cascade.
I, James Lenon, Clerk and Recorder of said County, do hereby certify that the within instrument was filed in this office on
JUN 15 1973
9:25 AM
J. L. LENON
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. George E. Simon, Kenison, of Route 1, Box 205, Great Falls
   (Name of Appropriator)
   County of Cascade
   State of Montana
   Address

   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

   2. The beneficial use on which the claim is based: domestic household, irrigation, etc.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   September 15, 1963

   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
   completed construction of well September 15, 1963

   8. The depth of water table from bottom of well to static water level.

   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: George E. Kenison
   Date Dec. 31, 1963

Three copies of this form will 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. George E. and Sarah E. Kenison, of Dist. No. 5, Summit Park, 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:

   Date: Dec. 31, 1963

<p>| | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>E</td>
<td>F</td>
<td>W</td>
<td>S</td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: March 30, 1959, and continuous.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 30 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, commenced: drilling well March 22, 1959, and completed: construction of well: March 30, 1959.

8. The depth of water table from bottom of well, static water level, feet, or water level 60 feet from top of the ground.

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, well drilled: heavy duty 5-inch 4D. lessons placed all the way down.

10. The estimated amount of groundwater withdrawn each year: 1,500,000 gallons per year.


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: Put on record with the State Engineer by E.D. Sykes, State Engineer, License No. 25, upon completion of well.

Signature of Owner: [Signature]

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.

28548
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights  
(Under Chapter 227, Montana Session Laws, 1961)

Robert Gary and Mary Klassig  
of Donovan Park, Great Falls

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 and livestock, and irrigation  
about 5 acres.

3. Date or approximate date of earliest beneficial use: and how continuous the use has been: August 14, 1959 - regular daily 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: Irrigation for lawns, gardens, trees.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Started drilling August 14, 1959, and completed August 18, 1959.

8. The depth of water table: 70 feet, pumping level would be 80 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: Depth 14 feet, diameter 2 inches, gravel, sand, gravel with water.

10. The estimated amount of groundwater withdrawn each year: 5184,000 gat per year.

11. The log of formations encountered in the drilling of each well if available: Nothing to 3 feet was sand, 3 feet to 10 feet was loose sand, 10 feet to 15 feet was gravel with a gravel layer at a depth of 1 foot, 15 feet to 18 feet was gravel with water.

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: This well was recorded at the time of drilling with State Engineer's Secretary license No. 2.

Signature of Owner: Robert Gary

Date: September 28, 1965

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

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

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

I hereby certify that the within instrument was filed in this office on
DEC 8 - 1905
at 2:15 o'clock M.

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.

Owner: J. L. Makemey
Address: Bowman Park
Great Falls, Mont.

Date well started: July 20, 1970
Completed: Aug. 1, 1970

Type of Well: Drilled, Driven

Equipment used: Cable Tools

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

*Describe 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). None

Estimated Annual Withdrawal: 17,520,000 gallons

<table>
<thead>
<tr>
<th>Use of Water</th>
<th>Rate and Weight of Water Used</th>
<th>From Top of Ground</th>
<th>To Top of Ground</th>
<th>No. of Acreage</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>16 lbs./160 ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 80 ft.
Pumping water level: 80 ft.

*Measured from ground level.

Well developed by Electric Pump for 4 hours.

Power Source: Electric Pump: 1 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

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

Driller's Signature: D. W. Delany
Driller's Address: Clift, Cas., Sect. 361

Driller's Log

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

I hereby certify that the within instrument was filed in this office on
APR 27 1873
at 10:55 o'clock A.M.
J. L. Lennon
County Clerk and Recorder
By: [Signature]
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. [Name of Approporator]... [Address]... [Town]

County of [County]

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:

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 Appropiorator.
STATE OF MONTANA, }ss.
County of Cascade.

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

DEC 19 1963

at __ o'clock ___.

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, 1961)

1. Pegge M. Murray, of Route 1, Seeley Lake, Missoula, Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1959.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): not known.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 1/3 acre.

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: 1959.

8. The depth of water table: 89 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: not known.

10. The estimated amount of groundwater withdrawn each year: not known.

11. The log of formations encountered in the drilling of each well if available: records of Jefferson, Missoula County.

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:
   Recorded by Jefferson, Missoula County.

Signature of Owner: Pegge M. Murray
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.

28546
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)

Nygard
Owner: D. G. & Oris L. M
Address: Route 1 So., Great Falls

Driller: Sorensonson Drilling Co.
Address: Great Falls, Montana

Top of Ground
(Elev. above sea level: __________)
0 to 50 ft. Sand
50 to 90 ft. Gumbo Clay
80 to 120 ft. Sand
120 to 194 ft. Gumbo Clay
194 to 195 ft. Gravel
195 to 201 ft. Sandrock
201 to 236 ft. Gravel
236 to 252 ft. Limestone
252 to 264 ft. Sandstone

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

Type of well: Drilled. Equipment used: Rotary
(dig, driven, bored or drilled)

Water Use: Domestic D Municipal D Other D Irrigation D

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 Shaped 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>64&quot;</td>
<td>44&quot; 0.75</td>
<td>0</td>
<td>224&quot;</td>
<td>none</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 48 feet.
Shut-in Pressure for Flowing Well: nonflowing
Pumping Water Level: 78 feet at 15 gal. per minute.
Discharge in gal. per min. of flowing well: not flowing

How Tested: Discharge 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).

Casing cemented from 0 to 204 ft.

Driller's License Number

Driller's Signature

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

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

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

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

MAR 13 1963

at 11:40 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By: Deputy.
## WATER WELL LOG

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

**Date Started**

**Date Completed**

**Location:** Sec. __ T. __ R. __ 1/4 sec.

**Type of well:**

- (Dig, driven, bored, or drilled)
- Equipment used: (Churn drill, rotary, other)

**Water use:**

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

**Casing:**

- __ ft. to __ ft. Type __ Size __
- __ ft. to __ ft. Type __ Size __
- __ ft. to __ ft. Type __ Size __

**Perforated or Screened:**

- __ ft. to __ ft. __ ft. to __ ft.

**Type of screen or perforations:**

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

**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>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>drift</td>
<td>grout</td>
</tr>
<tr>
<td>100</td>
<td>200</td>
</tr>
<tr>
<td>fill</td>
<td>pore water</td>
</tr>
</tbody>
</table>

Aug 1, 1957
**Notice of Completion of Groundwater Appropriation by Means of Well**

**Developed After January 1, 1982**

(Under Chapter 237 Montana Session Laws, 1981, as amended)

Charles L. and/or
Owner: Donna R. Plant
Address: St. Falls, Mont.

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

Date of Notice of appropriation of groundwater: 9-19-1983

Date well started: 9-19-1983

Date completed: 9-25-1983

Type of well: Drilled
Equipment used: Churn drill
(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>Perf.</th>
<th>No.</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-5/8&quot;</td>
<td>6-5/8&quot;</td>
<td>0</td>
<td>159</td>
<td>Not perforated</td>
</tr>
</tbody>
</table>

- **Static Water Level for non-flowing well**: 26 feet.
- **Shut-in Pressure for Flowing Well**: 27 gal. per minute.
- **Pumping Water Level**: 50 feet.
- **Discharge in gal. per min. of flowing well**: 27 gal. per minute.
- **How Tested**: Balance
- **Length of Test**: 8 hours
- **Remarks**: (Gravel packing, cementing, packers, type of shutoff)

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

Show exact depth of bottom.

---

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

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

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

Date
at _______ o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By__________

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: ____________________________ 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 □ 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>FT OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>7&quot; x 17/16</td>
<td>0</td>
<td>53</td>
<td>not perforated</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well ___________ feet.

Shut-in Pressure for Flowing Well __________________

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) ____________________________

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

Doc. No. __________________

Filed for record this 16th day of August, A.D. 19____ at ___________________

(Continue on reverse side)

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

Driller's License Number __________________

Driller's Signature __________________

5/23