STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: [Name]
Address: [Address]
Driller: Wesley Lindsey
Address: Clancy, Montana

Date of Notice of appropriation of groundwater: 
Date well started: June 1968
Date completed: June 1968

Type of well: Drilled
Equipment used: 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 Defined Strata</th>
<th>Strata Name</th>
<th>Depth (Feet)</th>
<th>Weight of Gravel</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 12 ft</td>
<td>Clay &amp; gravel</td>
<td>6&quot;</td>
<td>17/16</td>
<td>0</td>
<td>106</td>
</tr>
<tr>
<td>12 ft to 38 ft</td>
<td>Course gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>38 ft to 58 ft</td>
<td>Clay &amp; sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>58 ft to 104 ft</td>
<td>Sand &amp; gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>104 to 110 ft</td>
<td>Sand &amp; gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 60 feet
Shut-in Pressure for Flowing Well: 65 feet
Pumping Water Level: 60 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Drill
Length of Test: 3 days

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

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, state, otherwise the form will be returned.

Driller's License Number: [Number]
Driller’s Signature: [Signature]

File No. [Number]
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

(Under Chapter 537 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 R. Cox
Owner's Address: Box 347, East Helena, MT
Date well started: April 14, 1971
Date well completed: April 19, 1971

Type of well: Drilled
Equipment used: CHURN
Water Use: Domestic [X] Municipal [X] Stock [X] Irrigation [X]

*Describe usage:

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: 80,100 gallons

<table>
<thead>
<tr>
<th>Depth of Well</th>
<th>Bar and</th>
<th>Feet of Coating</th>
<th>Depth of</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6” 1914</td>
<td>0</td>
<td>130</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 60 ft
Pumping water level: 66 ft
A 9 gpm: 60 gallons per minute, measured 180 minutes after pumping began.

*Measured from ground level:

Well developed by: Muller
Power: Pump: 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Name: Olney Montane
Driller's Address: Olney Montane
LICENSE NO: 38
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed as: 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: Ernie DeDoecker
Address: P.O. Box 777
East Helena, Mont.

Date well started: April 14, 1971
Date well completed: April 14, 1971

Type of well Drilled: CAVERN

Equipment used: CAVERN (Chim 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: 80,000

PERFORATIONS:

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Diameter (Inches)</th>
<th>Static Water Level (Feet)</th>
<th>Pumping Water Level (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'</td>
<td>17'6</td>
<td>60</td>
<td>60</td>
</tr>
</tbody>
</table>

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

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

Driller's Signature: Wesley Lindsey
Driller's Address: Clancy, Montana

LICENSE NO. 39

Show exact depth of bottom

49/53
STATE OF MONTANA

Administrator of Groundwater Code

Office of State Engineer

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1941)

Eugene N. Dallas

Declarations of Vested Groundwater Rights

(Erected in accordance with Chapter 237, Montana Session Laws, 1941)

1. Name of Appropriate:

2. Address:

3. County of:

4. State of:

5. Declaration of Vested Groundwater Rights:

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:

W方形 Aabbittee of the State of Mines

Resident of:

By Commission Expires:

(Notary Public for the State of Montana)

(Notary Public for the State of Montana)

(Notary Public for the State of Montana)

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.

320 s
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 where 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: Palmer Edum
Address: 521 Boy
Date well started: Nov 6, 1971
Type of well: Drilled
Equipment used: Churn
Water Use: Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other: [X] Garden/Lawn

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

Estimated Annual Withdrawal: 80,000

Top of Ground

<table>
<thead>
<tr>
<th>Location</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>gravel &amp; large stones</td>
</tr>
<tr>
<td>4'</td>
<td>Sandstone &amp; gravel</td>
</tr>
<tr>
<td>4'</td>
<td>Clay &amp; gravel</td>
</tr>
<tr>
<td>4'</td>
<td>Sand &amp; gravel</td>
</tr>
<tr>
<td>1'</td>
<td>Small gravel</td>
</tr>
</tbody>
</table>

Driller's Address: 205 E. 2nd St.
Driller's Signature: [Signature]

 músic

Indicate location of well and place of use, if possible. Each small square represents 1/10 acre.

Well completed November 12, 1971.
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

**Special Instructions:**

Please provide, as indicated in red on the enclosed form, the complete location of the well by indicating the section number.

Thank you.

---

### Equipment Used

<table>
<thead>
<tr>
<th>Class</th>
<th>Water Use</th>
<th>Ind.</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Domestic</td>
<td>Y</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Municipal</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stock</td>
<td>N</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Irrigation</td>
<td>N</td>
<td></td>
<td>Y</td>
</tr>
</tbody>
</table>

*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).

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### Estimated Annual Withdrawal

**80,000**

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### Indicate Location of Well and Place of Use, if Possible.

**Driller's Signature:**

**Driller's Address:**

---

### License No.

**35 F**
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: Rodney Fisher

Address: Box 277 East Helena

Date well started: Jul 2, 72

Date well completed: Jul 6, 72

Type of well: driven

Equipment used: truck

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>Use of Water</th>
<th>Rate and Weight of Water</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>0</td>
<td>133</td>
<td></td>
<td>NONE</td>
</tr>
</tbody>
</table>

Static water level: 65 ft.
Pumping water level: 120 ft.

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).

Top of Ground

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>65</td>
</tr>
<tr>
<td>28</td>
<td>45</td>
</tr>
<tr>
<td>65</td>
<td>75</td>
</tr>
<tr>
<td>75</td>
<td>121</td>
</tr>
<tr>
<td>121</td>
<td>132</td>
</tr>
<tr>
<td>132</td>
<td>172</td>
</tr>
<tr>
<td>172</td>
<td>182</td>
</tr>
<tr>
<td>182</td>
<td>312</td>
</tr>
<tr>
<td>312</td>
<td>651</td>
</tr>
<tr>
<td>651</td>
<td>182</td>
</tr>
<tr>
<td>182</td>
<td>312</td>
</tr>
</tbody>
</table>

Power: [ ] Juice Pump: [ ] HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Driller's Signature: Wesley Temple

Driller's Address: P.O. Box 313, Helena, Montana

LICENSE NO: 3P

Show exact depth of bottom: 47.99
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

**Special Instructions:**

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

Thank you.

---

**Estimated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Well Size</th>
<th>Rate of Withdrawal</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>1716</td>
<td></td>
</tr>
<tr>
<td></td>
<td>0</td>
<td>133</td>
</tr>
</tbody>
</table>

**Static Water Level:** 65 ft.

**Pumping Water Level:** 120 ft.

At 80 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by 

for 2 hours.

Power: 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:** Clancy, Montana

**License No.:** 19

**133:** Show exact depth of bottom

---

**Document Information:**

- **Owner:** Rodney Fisher
- **Address:** Box 627, East Helena
- **Location:** T. R. Sec.
- **Doc. No.:** 223789

---

**Received:**

MAY 24, 1973

Montana Department of Natural Resources and Conservation
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.

Ownership

Owner: James Gipe
Address: Box 800
East Helena, Montana

File No.: 295095

Date Well Started: September 3, 1971
Completed: September 9, 1971

Type of Well: Drilled

Equipment Used: Churn Drill

Water Use: Domestic 
Industrial
Municipal
Stock
Irrigation

USF 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: 80,000

Static Water Level: 56 ft.
Pumping Water Level: 90 ft.

Power: Electric Pump, 3/4 HP

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

DELTA COUNTY

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

Driller's Signature: [Signature]
Driller's Address: Clancy, Montana

LICENSE NO.: 38

Top of Ground (Feet above sea level)

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Information</th>
</tr>
</thead>
</table>
| 0 | 4 | Top collar & Level
| 6 | 28 | Large gravel
| 28 | 38 | Boulder & Clay
| 38 | 76 | Hardpan
| 76 | 120 | Clay
| 120 | 135 | Sand & Silt
| 135 | 137 | Gravel & Sand

Show exact depth of bottom: 59.283
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: Vera Holatine
Address: Box 322, East Helena,
Montana 59635

Date well started: 1/19/73
Well completion: 1/19/73

Type of well: Drilled

Equipment used: Churn

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).

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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>
<th>Length of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; x 0.250 od 137'</td>
<td>Cutting torch 130' 137'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 48 ft.

Pumping water level: 48 ft.

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

*Measured from ground level.

Well developed by...inching for two hours.

Power: Pump... HP

Remarks: [ ]

---

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

Each small square represents 40 acres.

Driller's Signature: O'Keefe Contracting Company
Driller's Address: 2904 Harvard Avenue
Driller's Address: Butte, Montana 59701

---

License No: 8

---
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1942

(Under Chapter 23/ 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.

<table>
<thead>
<tr>
<th>Owner</th>
<th>EDNA MAY JOHNS</th>
<th>For Administrator's Use</th>
<th>Address</th>
<th>P.O. BOX 835</th>
<th>PO BOX 229002</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date well started</td>
<td>APR-6</td>
<td></td>
<td>Date well completed</td>
<td>APR-11-72</td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td>DRILLED</td>
<td></td>
<td>Equipment used</td>
<td>CABLE TOOLS</td>
<td></td>
</tr>
<tr>
<td>Water Use</td>
<td>Domestic □</td>
<td></td>
<td>Industrial □</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Municipal □</td>
<td></td>
<td>Drainage □</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stock □</td>
<td></td>
<td>Other □*</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Irrigation □</td>
<td></td>
<td>Garden/Lawn □</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **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>Date of Well</th>
<th>6 5/8</th>
<th>Depth of Well</th>
<th>Rate of Withdrawal</th>
<th>Amount of Withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date and Value</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>From</td>
<td>To</td>
<td>From (Gals)</td>
<td>To (Gals)</td>
<td></td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **PERFORATIONS**

- **5-IN LINER**

- **SET FROM**

- **127FT TO 147FT**

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

- **Driller's Signature**

- **Driller's Address:** 5820 MONT.

- **License No.:** 100

- **Top of Ground**

- **Show exact depth of bottom**

- **529821**
Mrs. Johns stopped in at noon and has no idea of the pumping level or gallons per minute. She contacted the man who drilled the well and he doesn’t know either. If you need to call her:

Ray DuB. Lysell Blvd
Helena
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide as indicated in red on the attached form, the claimed water use, pumping water level, and amount of groundwater claimed or tested yield in gallons per minute.

Thank you.
**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:** EONA MAY JOHN

**Address:** P.O. Box 835

**Date well started:** APR. 11, 1972

**Date well completed:** APR. 11, 1972

**Type of well:** DRILLED

**Equipment used:** CABLE TOOLS

**Top of Ground:**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>50</td>
</tr>
<tr>
<td>50.12</td>
<td>92.95</td>
</tr>
<tr>
<td>92.95</td>
<td>134.15</td>
</tr>
</tbody>
</table>

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

*Describe ............... *

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

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

**Driller's Signature:**

**Driller's Address:** 820 IV, MONT.

**HELENA ..................................................................................................................**

**License No. 100**

**Show exact depth of bottom: 59.921**
## 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:** Bill Knott

**For Administrator’s Use:**

**Date well started:** Aug. 19-70

**Completed:** Aug. 24-70

**Type of Well:** Drilled

**Equipment used:** Churn

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

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

*Describe other use if used for irrigation, industrial, drainage or other. Explain state number of acres and location or other data (e.g., Lot, Block and Addition).*

---

**Estimated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Max. Diameter (in.)</th>
<th>Size and Weight of Casing (in.)</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6’</td>
<td>17.10</td>
<td>0</td>
<td>138</td>
<td>Liner</td>
</tr>
</tbody>
</table>

**Static water level:** 10 ft.

**Pumping water level:** 24 ft.

**Power:** Pump 1 HP

**Remarks:** Gravel packing, cementing.

---

**Driller’s Signature:** Wesley Lindsey

**Licence No.:** 38

---

**Top of Ground (feet above sea level):**

<table>
<thead>
<tr>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>5.45</td>
<td>48</td>
</tr>
<tr>
<td>48.65</td>
<td>136.70</td>
</tr>
<tr>
<td>138.197</td>
<td></td>
</tr>
</tbody>
</table>

**Driller’s Address:**

**License No.:** 535

---

**County:** Lewis

**H:** 20

---

**Remarks:** Show exact depth of bottom.
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1942
(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:** Bill Lott

**Address:** 706 Clay St.

**Date well started:** Aug. 19, 70

**Date well completed:** Aug. 24, 70

**Type of well:** Drilled

**Equipment used:** Other

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

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

**Estimated Annual Withdrawal:**

<table>
<thead>
<tr>
<th>Size of Drilled Hole (ft)</th>
<th>Rate of Flow (gpm)</th>
<th>Depth of Well (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.16</td>
<td>138</td>
<td>138</td>
</tr>
</tbody>
</table>

**PRELIMINARIES**

**Static water level:** 6 ft

**Pumping water level:** 13 ft

**beginning:** 2.5 gallons per minute measured minutes after pumping began.

*Measured from ground level.

**Well developed by:** Drilled

**Power:** Pump... HP... Remarks: (Gravel packing, cementing packers, type of shutoff)

**Remarks:**

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

**Driller's Signature:** Wesley Pierson

**Driller's Address:** 706 Clay St.

**County:**

**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.

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>From Ground</th>
<th>To Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.5</td>
<td>Topsoil + loam</td>
<td></td>
</tr>
<tr>
<td>5.75</td>
<td>Boulders + clay</td>
<td></td>
</tr>
<tr>
<td>45.75</td>
<td>Sand + gravel</td>
<td></td>
</tr>
<tr>
<td>60.75</td>
<td>Gravel (water)</td>
<td></td>
</tr>
<tr>
<td>70.75</td>
<td>Clay</td>
<td></td>
</tr>
<tr>
<td>105.126</td>
<td>Gravel + clay</td>
<td></td>
</tr>
<tr>
<td>130.126</td>
<td>Interbedded sand</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 6 ft

**Pumping water level:** 13 ft

**beginning:** 2.5 gallons per minute measured minutes after pumping began.

*Measured from ground level.

**Well developed by:** Drilled

**Power:** Pump... HP... Remarks: (Gravel packing, cementing packers, type of shutoff)

**Remarks:**

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

**Driller's Signature:** Wesley Pierson

**Driller's Address:** 706 Clay St.

**UPME NO. 35**

**147. Show exact depth of bottom:** 147
This form to be prepared by driller, and three copies to be filled by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

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

**STATE OF MONTANA**
**DRILLER'S LOG**

**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 filled 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:** Joe Schmoe
**Address:** 123 Main St, Anytown, MT 59720

_for Administrator's Use_

<table>
<thead>
<tr>
<th>Date well started</th>
<th>Date well completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jan 1, 71</td>
<td>Dec 31, 71</td>
</tr>
</tbody>
</table>

_type of well:_

<table>
<thead>
<tr>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chisel</td>
</tr>
</tbody>
</table>

_water use:_

- Domestic
- Municipal
- Stock
- Irrigation

*Describe:*

- Garden/Lawn

**USE:**

- Irrigation
- Industrial
- Drainage
- Other

**Estimated Annual Withdrawal:** 50,000

**Site Information:***

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Size of Drilled Hole</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>19160</td>
</tr>
</tbody>
</table>

**Perforations:**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Depth (ft)</th>
<th>Time (min)</th>
<th>To (Gal)</th>
</tr>
</thead>
<tbody>
<tr>
<td>19160</td>
<td>60</td>
<td>120</td>
<td>120</td>
</tr>
</tbody>
</table>

**Static Water Level:** 64 ft

**Pumping Water Level:** 80 ft

at 90 gallons per minute, measured 60 minutes after pumping began. *Measured from ground-level.

**Well Developed by:** Chisel

**Power:** Electric

**Pump:** 3 HP

**Remarks:** (Gravel packing, cementing, packers, type of shutoff) Nothing

**Indicate Location of Well and Place of Use, if possible. Each Small Square Represents 40 Acres.**

Driller's Signature: Joe Schmoe
Driller's Address: 123 Main St, Anytown, MT 59720

**LICENSE No.:** 38
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:  Murdock
Address: East Helena, Montana

Date well started: July 10, 1972
Completed: July 16, 1972

Type of well: Drilled
Equipment used: Churn

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

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

ESTIMATED ANNUAL WITHDRAWAL: 80,000

Top of Ground (Gir. above sea level)

Driller's Signature: Wesley Lindsey
Driller's Address: Clancy, Montana

LICENSE NO 38

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.
**Notice of Completion of Groundwater Appropriation by Means of Well**

Developed after January 1, 1962

(Chapter 227, Mont. S. L., 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:** Jerry R. Johnson

**Address:** 6922 Avalon Drive, File 82635

**Helena, Montana 59601**

**Date well started:** June 9, 1973

**Date well completed:** June 13, 1973

**Type of well:** drilled

**Equipment used:** churn drill

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

**Describe:**

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

**Estimated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Res. of W</th>
<th>Res. of C</th>
<th>Fr. &amp; Pk.</th>
<th>Fr. (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8 in</td>
<td>6 1/2 in</td>
<td>2 1/2 in</td>
<td>132 ft.</td>
</tr>
</tbody>
</table>

**Perforations**

<table>
<thead>
<tr>
<th>Fr.</th>
<th>(GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>132 ft.</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 17.5 ft.

**Pumping water level:** 30 ft.

*Measured from ground level.

**Well developed by:** bailinng

**Power:** Pump 3 HP

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

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

**Driller's Signature:**

**Driller's Address:** 220 G Street, Lewistown

**Helena, Montana 59601**

**LICENSE NO.:** 225

**Driller's Address:** 220 G Street, Lewistown

**Helena, Montana 59601**

**LICENSE NO.:** 225

**Show exact depth of bottom:** 132 ft.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Gordon McPhee  Address: East Helena

Date of Notice of appropriation of groundwater: June 9, 1966
Date well started: June 9, 1966
Date completed: June 13, 1966

Well was originally drilled to a depth of 69 ft., deepened to a depth of 130 ft.
Type of well drilled: Type of equipment used: churn drill

69' to 116' clay and silt
116' to 118' some gravel considerable sand
118' to 121' clay
121' to 126' tight clay
126' to 130' tight gravel zone sand

Static Water Level for non-flowing well: 32 feet
Shut-in Pressure for Flowing Well: 32 feet
Pumping Water Level: 65 feet
Discharge in gal. per minute of flowing well: 25 gal. per minute

How Tested:发布公告
Length of Test: 30
Remarks: (Gravel packing, cementing, packers, type of shutter)

<table>
<thead>
<tr>
<th>Strata</th>
<th>Description</th>
<th>Depth</th>
<th>Grain Size</th>
<th>Density</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'</td>
<td>Clay and silt</td>
<td>0</td>
<td>119</td>
<td></td>
</tr>
<tr>
<td>15 lb.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 1/2'</td>
<td>Gravel</td>
<td>118</td>
<td>129</td>
<td></td>
</tr>
<tr>
<td>12'</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The water level in this well was measured to be 68' below land surface on 9-13-77

Driller’s License Number: 38
Driller’s Signature: Robert Price

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, this copy to be retained by driller.

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

41, 344
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1968
(Chapter 237, Montana Session Laws, 1961)

Owner: Gordon McDonald
Address: East Helena

Driller: Price and Lindsay
Address: Glama, Hunt

Date of Notice of Appropriation of Groundwater: June 9-66
Date Well Started: June 9-66
Date Well Completed: June 13-66

Type of Well: Drilled
Equipment Used: Churn Drill

Well was originally drilled to depth of 60 ft, deepened to a depth of 130 ft.
60' to 116' Clay and silt
116' to 188' Sand gravel considerable
188' to 121' Clay
121' to 129' Tight Sand

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>Min.</th>
<th>Max.</th>
<th>Water Use</th>
<th>Initial Production</th>
<th>Final Production</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 1/2&quot;</td>
<td>15 lb</td>
<td>Domestic</td>
<td>0</td>
<td>119</td>
</tr>
<tr>
<td>25 lb.</td>
<td>5 1/2&quot;</td>
<td>110</td>
<td>Municipal</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 42 feet.
Shut-In Pressure for Flowing Well 65 feet.
Pumping Water Level 25 gpm at 42 gal. per minute.
Discharge in gal. per min. of flowing well 65 gal.
How Tested: bailer and pump
Length of Test 24 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Length of Test: 24 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Return to:

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.
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: Mr. Henry A. Street
Address: Box 17
East Helena
Date well started: Dec. 1, 1971
completed: Dec. 1, 1971

Type of well: Drilled
Equipment used: Channers

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 80,000

<table>
<thead>
<tr>
<th>Size of Drilled Site</th>
<th>Size and Finish of Channing</th>
<th>Price (F.)(P.)</th>
<th>To (F.)</th>
<th>FF*</th>
<th>RATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 60 ft.*
Pumping water level 70 ft.*
At 60 gallons per min.
measured 60 minutes after pumping began.

*Measured from ground level.
Well developed by Driller for 30 hours.
Power Head: 1 HP
Remarks: (Gravel packing, cementing, packer, type of shutoff)

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

Driller's Signature: West
Driller's Address: Chancy Montana

LICENSE NO.: 130

5/7/780
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner ______________________
Address ______________________

Date well started ________
completed ________

Type of well ______________________
Equipment used ______________________

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, Etc.)

ESTIMATED ANNUAL WITHDRAWAL ___________

PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Depth of Cutting</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>1740</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level 64 ft.
Pumping water level 110 ft

Power: ELECT. Pump: 3/4 HP
Remark: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature ______________________
Date well completed: May 16, 1972
Top of Ground

<table>
<thead>
<tr>
<th>Depth</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Soil &amp; Gravel</td>
</tr>
<tr>
<td>6</td>
<td>Boulder &amp; Clay</td>
</tr>
<tr>
<td>12</td>
<td>Gravel &amp; Clay</td>
</tr>
<tr>
<td>15</td>
<td>Clay &amp; Sand</td>
</tr>
<tr>
<td>20</td>
<td>Clay</td>
</tr>
<tr>
<td>24</td>
<td>Clean Lime</td>
</tr>
<tr>
<td>30</td>
<td>Sand &amp; Gravel</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

LICENSE NO. 3 8

51/92
Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961

J. B. Casey
Box 789 East Helena

County of Lewis and Clark
State of Montana

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

1. Name of Appropriator

2. The beneficial use on which the claim is based: Domestic, Agricultural and other

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20,000,000 in 24 hours.

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: Jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1963

8. The depth of water table: 50 ft. to 70 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:

   80 ft. Hand dug well

10. The estimated amount of groundwater withdrawn each year: enuf to irrigate 8 acres of land and household use.

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

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 Quaduplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

William X. and Helen L. Casey, of Box 782, East Helena

(Name of Appropriator) (Address) (Town)

County of Lewis and Clark

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, Agricultural and other

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute).
   20,000,000 in 24 hours

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.

   William X. and Helen L. Casey

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

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

8. The depth of water table.
   50 ft. to 70 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.
   117 ft., 8-inch-steel-casing

10. The estimated amount of groundwater withdrawn and the use for irrigation of the
    described land and household uses.

11. The log of formations encountered in the drilling of each well if available.
    gravel-end-hill-pan

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: Helen L. Casey

Date: December 20, 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 Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on the day of , in the year of .
A.D. 1966

Records of Lewis & Clark County, State of Montana
County Recorder

By:

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

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

John C. Elman
(Name of Appropriator)

County of
State of

of Box 28 East Helena
(Address)
(Town)

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

2. The beneficial use on which the claim is based: Domestic Use. Irrigate two acres.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: April 11, 1950. Used continuously since that date.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Used on two acres of land owned by myself.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Began about April 11, 1950 and completed about April 20, 1950.

8. The depth of water table: Pumping from 150 ft. Static water level above 60 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: Six and one eighth inch (6 1/8 in) inside diameter pipe, the depth of the well in one hundred and twenty (120 ft.) feet below ground level.

10. The estimated amount of groundwater withdrawn each year: 500,000 to 750,000 gallons.

11. The log of formations encountered in the drilling of each well if available: 0 to 49' loose silty clay, bound gravel and boulders. 50 to 70' loose silty sand, 71 to 80' silty clay, some fine sand. 81 to 95' running sand, somewhat silty. 96 to 97' very silty clay. 98 to 115' silty sand and clay fine gravel, coarse sand, 116 to 120' fine sand, clay, fine 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: Drilled also found at these levels: 58 to 90' some water, very silty. 74 to 79' some water, very silty. 83 to 95' some water, very sandy. 108 to 109' some water, some what silty and sandy. 

(Approval of the described method of withdrawal)

Warranties and waives on the acreage

Recorded on page 234 Book 225 Lewis & Clark
Country House

Signature of Owner: John C. Elman

Date: Dec 4, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JUN 3 0 1964

Notice of completion of groundwater appropriation by means of well

Owner: Hauk
Address: East Helena

Driller: A. A. Weld
Address: Helena

Date of Notice of appropriation of groundwater: MAY 18
Date completed: MAY 21

Type of well: DRILLED
Equipment used: CHURN

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

Static Water Level for non-flowing well

55 feet.

Shut-in Pressure for flowing well NO

Pumping Water Level 90 feet

Discharge in gal. per min. of flowing well

15 gal. per minute.

How Tested: GAUGER

Length of Test: 2 HRS

Remarks: (Gravel packing, cementing, packers, type of slotted) NO

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

(Continues 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
STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I, hereby certify that the within
affidavit was filed in your office on
the 20th day of
A.D.1967

before me, a Notary Public of the
State of Montana.

Dated this 20th day of

County 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)

County of ___________________________ State of Montana

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

1. Harry E. Hicken of Helena, State of Montana

2. The beneficial use on which the claim is based
   Agricultural garden

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

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

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

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

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

8. The depth of water table
   168 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
   100 ft. Drilled

10. The estimated amount of groundwater withdrawn each year
   Not applicable

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: Dec 17, 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.

12256
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 257, Montana Session Laws, 1961)

Owner: J. F. Johnson
Address: Helena
Driller: A. F. Welch
Address: Helena

Date of Notice of appropriation of groundwater: SEPT. 5
Date completed: 12-12

Type of well: DRILLER
Equipment used: CABLE

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>Description</th>
<th>Size and Weight of Core (in)</th>
<th>Perforations</th>
<th>Pressure</th>
<th>Discharge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ROCKS</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>GRAVEL</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUDY</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CLAY</td>
<td>6 1/8</td>
<td>6 1/8</td>
<td>0</td>
<td>148 6/8</td>
</tr>
<tr>
<td>MUDDY WATER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUDDY WATER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUDY WATER</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WATER MARKS 10 GALS MIN</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MUDY CLAY</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>WATER SAND</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 10 feet.
Shut-in Pressure for Flowing Well: NO.
Pumping Water Level: 90 feet at 90 gal. per minute.
Discharge in gal. per min. of flowing well: NO.
How Tested: BAILER
Length of Test: 2 HRS.
Remarks: (Gravel packing, cementing, packers, type of shutoff).

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).

NO

Driller's License Number: 21.29
Driller's Signature: [Signature]

File No. MONTANA WATER RESOURCES BOARD RECEIVED OCT 33 1967

STATE OF MONTANA ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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.

42, 425
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.

Owner Name: Charles Poppen
Address: Canyon Ferry Road
File: 3316563
Date well started: April 6, 1973
Completed: April 29, 1973

Type of Well: Drilled
Equipment used: Churn
Water Use: Domestic X Municipal  Stock  Irrigation
*Describe
USB: 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: 80,000

PERFORATIONS

<table>
<thead>
<tr>
<th>Dia. (In.)</th>
<th>Time and Date of Call</th>
<th>Dia. (In.)</th>
<th>Time and Date of Call</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>1916</td>
<td>97</td>
<td>1973</td>
</tr>
</tbody>
</table>

Static water level: 30 ft.
Pumping water level: 25 ft.

*Measured from ground level.
Well developed by: Buckley
for 24 hours.
Power: Electric 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: Wesly Lindsay
Driller's Address: Clancy Montana
License No.: 38

92 Show exact depth of bottom

53, 176
**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 is to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

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

### For Administrator's Use

- **Address:** Box 31
- **State:** Helena
- **Date well started:** 1921
- **Postal Code:** 59601

### Top of Ground

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

### Type of Well

- **Driven**

### 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

**200,000**

### WELL DEVELOPED BY... FOR...

- **6 m 6 in. 0/190**

### Static water level...n.

- **1.5**

### Pumping water level...n.

- **1.2**

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

### Measured from ground level.

### Well developed by...

### Power...

### Pump...

### NF...Remark:

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

### LICENSE NO.

**190** Show exact depth of bottom
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Frank L. Smith
(Name of Appropriator)

of Canyon Ferry Route Helena
(Address) (Town)

County of Lewis & Clark
State of Montana

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

2. The beneficial use on which the claim is based: Stock, Farm, Home, and Irrigation.

3. Date or approximate date of earliest beneficial use: and how continuous the use has been. This is one of the oldest farms on the Spokane Bench. It was here in 1916 when we came here, and has been continuous since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 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. Water lawn and garden S.W. § 8, T. 10 R. 2. Lewis & Clark County, Frank L. Smith.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Automatic deep well jet on both wells.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater on Section 35 T.10 R.2.

8. The depth of water table 100 feet of water.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drilled 4 inch casing in well on Section 35 T.10 R.2 W. 65 feet deep and is used for same purpose as one on Section 35.

10. The estimated amount of groundwater withdrawn each year: 500,000 gallons on Section 35 T.10 R.2
350,000 gallons on Section 23 T.10 R.2

11. The log of formations encountered in the drilling of each well if available. None! These wells must have been drilled about the time or shortly after being homesteaded. The one on Section 23 I think, was homesteaded about 1910.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. I've never checked the records.

This well on Section 35 T.10 R.2 W. must have been around about the year 1900.

Signature of Owner: Frank L. Smith
Date: Jul 19 - 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 School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER APPROPRIATION BOARD
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
Address
Helena, Montana

Date well started
OCT 12

Type of well
DRILLED

Equipment used
CABLE TOOLS

Water Use:
Domestic
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) ..................................................

Estimate Annual Withdrawal

<table>
<thead>
<tr>
<th>Date of Compl.</th>
<th>Perforations</th>
<th>Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/5/8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6/5/8</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0/70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level_________________________ ft.*

Pumping water level_________________________ ft.*
at ____________________ gallons per minute,
measured ____________________ minutes after pumping
began.

*Measured from ground level.

Well developed by ____________________
for ____________________ hours.

Power_________________________ HP

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


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

Driller's Signature
A. D. Welch

Driller's Address
5820 N. MONT.

HELENA
LICENSE NO. 100

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 (Survey above sea level)

<table>
<thead>
<tr>
<th>Date of Compl.</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/5/8</td>
<td>0.50 SAND &amp; GRAVEL</td>
</tr>
<tr>
<td>6/5/8</td>
<td>ROCK</td>
</tr>
<tr>
<td>0/70</td>
<td>0.70 SAND &amp; GRAVEL</td>
</tr>
<tr>
<td>17</td>
<td>WATER</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

53,340