Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

State of Montana,

County of Richland,

State Chairman of Groundwater Code,
Office of State Engineer

Notice of Completion of Groundwater Appropriation by Means of Well

Owner: Fred Frank, Address: Sidney, Mont.

Date of Notice of Appropriation of Groundwater: 5-15-62

Date well started: 5-16-62

Date Completed: 5-16-62

Type of well: Drilled

Equipment Used: Churn (dug, driven, bored or drilled)

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

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

<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>8 Inch</td>
<td>6 Inch</td>
<td>Drilled</td>
<td>38 Feet</td>
<td></td>
</tr>
<tr>
<td>10 Feet 50 Net</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 16 feet

Shut-in Pressure for Flowing Well: not the case

Pumping Water Level: 33 feet at 10 gal. per minute

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

How Tested: Drill, Boiler Length of Test: 1 hour

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

Casing is cemented at ground level for sanitization.

Driller's License Number: Raymond J. Peterson

Driller's Signature: Raymond J. Peterson

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Raymond Engel
Address: Helena, Montana
Date of Notice of Appropriation of Groundwater: 6-19-1964
Date well started: 6-14-1964
Date Completed: 6-19-1964

Type of well: Drilled
Equipment: Drill

Driller: George K. Van Alstine
Address: Helena, Montana

Date of Notice of Appropriation of Groundwater:

Type of well: Drilled
Equipment: Drill

Water Use:
- Domestic
- Industrial
- Municipal
- Irrigation
- 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 water rises in the well.

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Strata Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-4</td>
<td>Top of Ground</td>
</tr>
<tr>
<td>4-15</td>
<td>Gray clay</td>
</tr>
<tr>
<td>16-28</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>29-36</td>
<td>Gray clay</td>
</tr>
<tr>
<td>37-49</td>
<td>Gray clay</td>
</tr>
<tr>
<td>50-54</td>
<td>Sandy gray clay</td>
</tr>
<tr>
<td>55-60</td>
<td>Sand</td>
</tr>
<tr>
<td>61-65</td>
<td>Hard gray clay</td>
</tr>
<tr>
<td>66-69</td>
<td>Clay</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 16 feet.
Shut-in Pressure for Flowing Well: Not the case.
Pumping Water Level: 60 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well: Not the case.
How Tested: Surface Flow
Length of Test: 15 minutes.

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

Driller: George K. Van Alstine
Driller's License Number: 2

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

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

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

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

1. Edward Erickson, of Sidney, Montana
   (Name of Appropriator) (Address) (Town)

County of Richland, State of Montana

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 42 gallons per minute

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

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

8. The depth of water table: 60 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: 6½ casing

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

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

Date 12-20-63

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
OFFICE OF STATE ENGINEER

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

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

1. Name of Appropriator: Edward Erickson
   (Address): Sidney, Montana
   County of: Richland
   State of: Montana

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 46 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: windmill

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

8. The depth of water table: 60 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: 6" casing

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:

Signature of Owner: Edward Erickson
Date: 12-20-63

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
OFFICE OF STATE ENGINEER

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

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

2. The beneficial use on which the claim is based: household use and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1936. continuous mine

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1939

8. The depth of water table 53 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 24" casing

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

Signature of Owner Edward Erickson
Date 12-20-63

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.

1969
STATE OF MONTANA

County of Fickead

26th day of Dec., A.D. 1903

S. L. Kroken

M. A. T. Anderson

Dec. 8, 1904
Filed
## WATER WELL LOG

**Owner:** Walter Basman  
**Address:** Libby, Montana  
**Driller:** Donald C. Goebel  
**Address:** Libby, Montana

**Date Started:**  
**Date Completed:**

**Location:** Sec. 20  
T. 21 N.  
R. 57 W.  
**County:** Richland

### Type of well

- **Cased:**  
- **Equipment used:**
  - **Dug, driven, bored, or drilled:**  
  - **Churn drill, reamers, other:**

### Water use

- **Domestic**  
- **Municipal**  
- **Stock**  
- **Irrigation**

### Casing

- **0 ft. to 38 ft.:** Type---  
  - **Galvanized**  
  - **Size:**

- **38 ft. to 60 ft.:**

- **60 ft. to 80 ft.:**

- **80 ft. to 100 ft.:**

- **Perforated or Screened:**
  - **Ft.:** 2.3 to 38 ft.  
  - **Ft. to Ft.:**

### Type of screen or perforations

- **1/2 inch holes**

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

- **13 ft.**

### Shut-in pressure, for flowing well:

- **lb./sq. in. on: (date)**

### Pumping water level:

- **3.3 feet at:** 2 gal. per min

### How tested:

- **Centrifugal pump**

### Length of test:

- **14 days**

### Remarks:

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

- **Gravel pack around outside of casing.**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 13'</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>13' - 18'</td>
<td>Shales, Feldspar</td>
</tr>
<tr>
<td>18' - 22'</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>22' - 24'</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>24' - 27'</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>27' - 31'</td>
<td>Coal Seam</td>
</tr>
<tr>
<td>31' - 34'</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>34' -</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Fred Frans
Address: Sidney, Montana
Driller: J. Peterson
Address: Libby, Montana

Date of Notice of Appropriation of Groundwater: Oct. 1-1962
Date well started: 10-1-62
Date Completed: 10-3-62

Type of well: Drilled Equipment Used: Churn Drill

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>From</th>
<th>To</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: 14 feet.
Shut-in Pressure for flowing well: Not the case.
Pumping Water Level: 85 feet above 15 gal. per minute.
Discharge in gal. per min. of flowing well: Not the case.
How Tested: Drill Test. Length of Test: 5 ft.
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) A pattern pump stand floor on steel curbing, 16' above ground for support and sanitation.

Driller's License Number: Raymond J. Peterson
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, \( f = \frac{2}{P_0} \)
County of Richland,
Filed this \( \ldots \times 6 \) day of
\( \ldots \times 6 \) A.D. 126 D.M.
at \( \ldots \times 6 \) P.M.
\( \ldots \times 6 \) J. D. Knack
County Recorder

file: \( \# \times 0^0 \)
file: \( \times 0 \)
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>(Name of Appropriator)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>(Address)</td>
</tr>
<tr>
<td>Town</td>
<td>(Town)</td>
</tr>
</tbody>
</table>

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 type of formations encountered in the drilling process.

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 Richland.

Filed this __________ day of __________ A. D. 19__

at ______ o'clock ______ M.

[Signature]
County Recorder

Filed

File No. 21
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>3.00</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elev. Above Sea Level</td>
<td>2.300</td>
</tr>
<tr>
<td>Driller's License Number</td>
<td></td>
</tr>
<tr>
<td>Driller's Signature</td>
<td></td>
</tr>
</tbody>
</table>

Owner: East, Emery
Address: Sidney, Montana

Date of Notice of Appropriation of Groundwater: Feb. 6-64

Date Well Started: Feb. 6-64
Date Completed: Feb. 10-64

Type of Well: Drilled
Equipment Used: Churn drill

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, 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 of Weights of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

State Water Level for non-flowing Well: 60 feet.
Shut-in Pressure for Flowing Well: 117 feet at 1 gal. per minute.
Pumping Water Level: 117 feet at 1 gal. per minute.
Discharge in gal. per min. of flowing well: 110
How Tested: Well Drilled. Length of Test: 90 minutes.

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

Driller's License Number:    
Driller's Signature:    

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Raymond Brown
Address: Choteau, Montana

Driller: Raymond J. Peterson
Address: Sidney, Montana

Date of Notice of Appropriation of Groundwater

Date well started: 5-16-62, Date Completed: 5-17-62

Type of well: Drilled

Equipment Used: Churn, drill, rotary or drilled

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 inch</td>
<td>10.50 lbs.</td>
<td>10.00</td>
<td>41.00</td>
<td>8 inch</td>
<td>30.00</td>
<td>41.00</td>
</tr>
<tr>
<td>4 inch</td>
<td>7.75 lbs.</td>
<td>38.00</td>
<td>55.00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: at 16' feet.

Shut-in Pressure for Flowing Well: not tested

Pumping Water Level: at 50' feet at 10 gal. per minute.

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

How Tested: Drill Bailer. Length of Test: 50 minutes

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

This well is cemented at ground level for sanitation.

Driller's License Number

Driller's Signature

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

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

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

Filed this ............. day of
May .............. A. D. 1962
at .......... o'clock, P.M.


County Recorder


Filed
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

Owner: Ray Long Address: Sidney, Mont.
Driller: John Salter Address: Fairview, Mont.

Date of Notice of appropriation of groundwater: Sept. 28, 1962
Date well started: Sept. 26, 1962 Date completed: Sept. 27, 1962

Type of well: Bored Equipment used: Boring
(type: Drilled, 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>Depth (Feet)</th>
<th>Material</th>
<th>Size and Weight of casing</th>
<th>Depth (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>17.3</td>
<td>gravel</td>
<td>26&quot; x 20&quot; ID</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>16.9</td>
<td>sand</td>
<td>16&quot; x 20&quot; ID</td>
<td>1.5</td>
<td></td>
</tr>
<tr>
<td>9.51</td>
<td>clay</td>
<td></td>
<td>6.5</td>
<td></td>
</tr>
<tr>
<td>11.516</td>
<td>sand</td>
<td></td>
<td>12.5</td>
<td></td>
</tr>
<tr>
<td>16.9</td>
<td>clay</td>
<td></td>
<td>18.5</td>
<td></td>
</tr>
<tr>
<td>19.532</td>
<td>clay</td>
<td></td>
<td>22.5</td>
<td></td>
</tr>
<tr>
<td>32.837</td>
<td>sand</td>
<td></td>
<td>37.5</td>
<td></td>
</tr>
<tr>
<td>27.549</td>
<td>clay</td>
<td></td>
<td>49.5</td>
<td></td>
</tr>
<tr>
<td>50.44</td>
<td>clay</td>
<td></td>
<td>62.5</td>
<td></td>
</tr>
<tr>
<td>58.152</td>
<td>clay</td>
<td></td>
<td>75.5</td>
<td></td>
</tr>
<tr>
<td>63.653</td>
<td>sand</td>
<td></td>
<td>85.5</td>
<td></td>
</tr>
<tr>
<td>53.555</td>
<td>clay</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 16 feet.
Shut-in Pressure for Flowing Well 80 ft. @ 8 gal. per minute.
Pumping Water Level 32 ft.

Discharge in gal. per min. of flowing well 150 gal.

How Tested: Banked
Length of Test: 100 feet
Remarks: (Gravel packing, cementing, packers, type of shutoff)
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.

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.

Driller's License Number

Driller's Signature

[Diagram of well location and strata]

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA, County of Richland, as
Filed this day of
OCTOBER 31 A.D. 1947
at 2:30 o'clock P.M.
Helena Horber
County Recorder
[Signature]
Deputy
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dan Hamilton</td>
<td>Fairview</td>
<td>Mont.</td>
</tr>
</tbody>
</table>

 County of Richland 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
   - for livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   - 1944

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

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
   - 90 feet

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
   - Pump - Windmill

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: Dan Hamilton
Date: Dec. 31st 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; Quadruplicate for the Approprietor.
STATE OF MONTANA,
County of Richland,
Filed this 22 day of January A. D. 1909
at 3 o'clock P. M.
By:

C. H. Hooker
County Recorder

286 799
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

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

1. **DENNISON**  
   (Name of Appropriator)  
   SE ¼ SE ¼ SW ¼ SE ¼ SW ¼ T 24 R 57 S7  
   (Address)  
   SIDNEY  
   (Town)  

   **COUNTY OF RICHLAND**  
   **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 AND DOMESTIC**

3. Date or approximate date of earliest beneficial use and how continuous the use has been:  
   **DECEMBER 4, 1963**  
   **YEAR AROUND**

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:  
   **FIRE TANK OPERATED WITH ELECTRICITY**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:  
   **12-4-63-10-11-63**  
   **DITibuPUMP OPERATED**

8. The depth of water table:  
   **75 FT.**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:  
   **TWO 75 FT. DEEP**  
   **FIRE TANK OPERATED WITH ELECTRICITY**

10. The estimated amount of groundwater withdrawn each year:  
   **150,000 GALLONS**

11. The log of formations encountered in the drilling of each well if available:  
   **MEDITERRANEAN SAND AND CLAY FORMATIONS—with veins of about 1000 ft. above**  
   **200 FT. WITH LATER FORMATION**

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

   **Signature of Owner**  
   **Date: 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, \nCounty of Richland, \n\nFiled this 31st day of \nDecember, A.D. 1943 \nat 1:30 o'clock P.M. \n\nE. R. Peterson \nCounty Recorder \n\nFiled 12/22/43
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dennis Dynanet</td>
<td>Gallard</td>
<td>Sidney</td>
</tr>
</tbody>
</table>

County of Richland State of Montana

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

1. The beneficial use on which the claim is based:  
   | Livestock |

2. Date or approximate date of earliest beneficial use:  
   | Fall 1928, May 1930 |

3. The amount of groundwater claimed (in miner's inches or gallons per minute):  
   | 30 gallons |

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:  
   | Pump and operated with electricity |

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:  
   | Fall 1928 |

7. The depth of water table:  
   | 98' |

8. The log of formations encountered in the drilling of each well if available:  
   | No record in possession |

9. The estimated amount of groundwater withdrawn each year:  
   | 180,000 gallons |

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

Signature of Owner: Dennis Dynanet
Date: Dec 10, 1964 31, 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 Richland, ss.

Filed this 31st day of December, A. D. 1963,
at 1:35 o'clock, P.M.

E. D. Fether
County Recorder

[Signature]
Deputy

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

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

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 50 years ago

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

   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 means of withdrawal:

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 50 years ago

   8. The depth of water table: 63 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: 24" casing, 300 feet

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

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

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

   Signature of Owner: Edward Erickson
   Date: 12-20-63

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
County of Richland,

Filed this 30th day of Dec., A.D. 19__
2:17 p.m. day of

R. L. Kooken

P. Atchison

fee: 2.98
filed
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 Richland
State of Montana

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

1. Edward Erickson, of Sidney, Montana

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

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

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

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

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

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

8. The depth of water table: 225 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:
   - 5" casing

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 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: Edward Erickson
Date: 06-20-63

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
County of Richland,

Filed: December 26, A.D. 1963
at Billings, Montana

E. L. Barker
County Rec.

[Signature]

Filed

[Signature]
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)

Date of Notice of Appropriation of Groundwater

Date well started: 5-18-62   Date completed: 5-24-62

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>Hole of Well</th>
<th>Size and Weight of Casing (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surf.</td>
<td>6 inch</td>
<td>150 ft.</td>
<td>100 ft.</td>
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<td>10:50</td>
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</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 92 feet.

Shut-In Pressure for Flowing Well: Not the Case

Pumping Water Level: 148 feet at 6 gal. per minute.

Discharge in gal. per min. of flowing well: Not the Case

How Tested: Drill bailer, Length of Test: 15 hours

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

The casing is cemented at ground level for sanitation

Driller's License Number: Raymond J. Petersen

Driller's Signature: Raymond J. Petersen

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

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

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

Filed this __________ day of
March 19___, A.D. 19___,
at __________ o'clock __________ M.

[Signature]
County 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]
(Address)
(Town)

County of [Richland] State of Montana

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

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

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

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

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

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water:

7. The depth of water table:

8. 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:

9. The estimated amount of groundwater withdrawn each year:

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

11. 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 Richland

Pleaded... $300...
day of December... A.D. 1962...

II. O'clock A.M.

E. L. Rogers
County Recorder

Helen Snow
Deputy

Filed...
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

W.L. Miller
(Name of Appropriate)
M. McElhaney
(State of MONTANA)
Sidney
(Town)

County of

State of

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

2. The beneficial use on which the claim is based: domestic, and stockwater use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Sept. 1958; continuous for household.

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

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

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

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: approx. 20 feet; approx. 30 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:

10. The estimated amount of groundwater withdrawn each year: #1-3600; #2-1000.

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.

W.L. Miller

Date: Dec. 30, 1962
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
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<td>SW 4</td>
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<td>Harney, Max Rosalie</td>
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<td>Whiting, Donald</td>
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<td>Roff, M. Horace</td>
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<td>Young, Jack</td>
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<td>Rogers, Andrew</td>
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<td>Edgar, Wm. Henderson</td>
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<td>Edgar, Wm. Henderson</td>
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<td>Johnson, Ronald B</td>
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<td>Rumphen, Carl Jr.</td>
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<td>see other</td>
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<td>Johnson, Albert B</td>
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<td>35</td>
<td>Parsons, Miller T.</td>
<td>SW 4</td>
<td>286657</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Albert Swanson, of Bozeman, Montana
   (Name of Appropriator)  (Address)

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: May 1965
   Continuously

4. The amount of groundwater claimed (in minerals, inches or gallons per minute): 5 Gals. 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: May 1965

8. The depth of water table: 15.4

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: 20,000

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: No Record

Signature of Owner: Albert Swanson
Date: 12-30-65

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

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

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

Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 293, Montana Session Laws, 1961)

Owner
Albert Pearson
Fairview, Montana

Driller
Raymond Dabney
Fairview, Montana

Date of Notice of Appropriation of Groundwater
Sept. 30–62

Date well started
Sept. 28–62

Date completed
Oct. 25–62

Type of well
Bored

Equipment Used
Drilling Machine

Water Use
Domestic □ Municipal □ Other □ Irrigation □
Industrial □ Drainage □ Stock □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>18&quot;</td>
<td>26&quot;</td>
<td>0 to 60</td>
<td>3</td>
<td>8</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 30 feet.
Shut-in Pressure for flowing well: Not Tested.
Pumping Water Level: 59 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well: Not Tested.
How Tested: Boiled
Length of Test: 1 hr.

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

Gravel fill with washed gravel.

Driller’s License Number
Raymond Dabney

Driller’s Signature

County
Richland

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

COUNTY OF RICHLAND

21st day of Dec., A.D. 1862

at 10 o'clock, A.M.

E. L. Radke

Co. R

R. A. Black

Dee. 22

Gilab
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: Bennie Barry
   Address: R.1.

   County: Richland
   State: 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 is for: cattle rice pasture

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 20, 1960

   4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 12 ft. P. X

   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: NO N.A.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 15, 1960; complete July 21, 1960

   8. The depth of water table: 10 ft.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled 47 ft. deep

   10. The estimated amount of groundwater withdrawn each year: 1,727,000

   11. The log of formations encountered in the drilling of each well if available: A-2 Black Lava
       Yellow Clay – 22 ft. 1-2 sand & gravel 3-1.2 gravel & sand 21-

   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: Bennie Barry
   Date: Aug. 14, 1967

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 Richland

File: 4th day of Dec. A.D. 1875
at 3:00 p.m. T.D. M.

L.

County Recorder

Deputy

(Seal)
Recently, a water well log was sent to your office (#325358) from Dallas Ulman - Fairview, Montana. The date stated was January 15, 1972 and should be 1973. Please make the necessary changes on your copies.

Thank you,

HeLEN STIEKE
Clerk & Recorder

ESTIMATED ANNUAL WITHDRAWAL: 3,000,000 gals.

<table>
<thead>
<tr>
<th>Depth of</th>
<th>Size and</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>0.6</td>
<td>0</td>
<td>50'</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level: 210 ft.
Pumping water level: 360 ft.
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: [Signature]
Driller's Address: Box 1102, Sidney, Montana 59270

Show exact depth of bottom

LICENSE NO. 177
### Driller's Log

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

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

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

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

<table>
<thead>
<tr>
<th>Owner</th>
<th>Dallas Ulman</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Fairview, Montana</td>
</tr>
<tr>
<td>Date well started</td>
<td>Jan 15, 1978</td>
</tr>
<tr>
<td>Date well completed</td>
<td>Dec 17, 1972</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drill'd ad (drill holes, cement, etc.)</td>
</tr>
<tr>
<td>Equipment used</td>
<td>churn drill</td>
</tr>
<tr>
<td>Water Use</td>
<td>Domestic, Irrigation</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).

**Estimated Annual Withdrawal** | 3,000,000 gals

### Groundwater Perforations

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Size of Hole</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>50%</td>
<td>Road</td>
</tr>
</tbody>
</table>

### Static Water Level

- Static water level: 210 ft.
- Pumping water level: 380 ft.

### Power

- Power: electric, 1 HP

### Remarks

- Remarks: gravel packing, cementing, packers, type of shutoff

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

Driller's Signature: [Signature]

Driller's Address: Box 1102, Sidney, Montana

License No.: 177

**Show exact depth of bottom.**

- Depth: 32 ft.
STATE OF MONTANA
County of Richland, ss.

Filed this 15th day of January A.D. 1972 at 12:00 o'clock, P.M.

Helen B. Shunk
County Recorder

Edward C. Crane
Deputy

322, 358

Correct year 15 1973 R/A

(See attached note)
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Name: Revemia Hegg
   Address: 111 Faiservie
   County of Richland
   State of Montana

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

3. Date or approximate date of earliest beneficial use: 1923

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

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: Pump jack or electric motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Oct. 1923

8. The depth of water table: 20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 1974 ft; drop metal well casing

10. The estimated amount of groundwater withdrawn each year: 1,296,000

11. The log of formations encountered in the drilling of each well, if available: Debris, gravel, sand, yellow clays, blue clay, coal beds, do not indicate depth

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

Signature of Owner: [Signature]
Date: Dec. 16, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the 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. Make Ann Burg, of R1, Fairview,
   (Name of Appropriator) (Address) (Town)
   County of Richland, State of 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>W</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

NE 1/4 NE 1/4 Sec. 15 T.24 R.5E
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based: Stock; and year 1921, used every spring until 1928.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Spring 1915; used every spring since.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of owner thereof: None.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Spring 1915.

8. The depth of water table: 20 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 24-inch, rock-lined well.

10. The estimated amount of groundwater withdrawn each year: 24,000.

11. The log of formations encountered in the drilling of each well if available: Sand and gravel, blue and yellow clay, hard but do not go down.

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 16, 1963

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

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

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

Filed this 16th day of December, A.D. 1929
at 3:05 p.m.

D. J. Koster

D. Sullivan

See: 2-29
Filed
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: ___________________________ Address: ___________________________
Driller: ___________________________ Address: ___________________________
Date of Notice of appropriation of groundwater ___________________________
Date well started: ___________________________ Date completed: ___________________________
Type of well: ___________________________ Equipment used: ___________________________
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>Stratum</th>
<th>Slope</th>
<th>Rise and Weight of Cuttings</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>KIND SIZE</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>T-i</td>
<td>1-1/2”</td>
<td>1.2/5’/5’</td>
<td>0</td>
<td>13</td>
<td>4”</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well _______ feet.
Shut-in Pressure for flowing well _______ feet.
Pumping Water Level _______ feet at _______ gal. per minute.
Discharge in gal. per min. of flowing well _______.
How Tested: ___________________________
Length of Test: ___________________________
Remarks: (Gravel packing, cementing, packers, type of shutoff) ___________________________

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

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 ___________________________

44, 994
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

## 1. Andrew Dymeson

(Name of Appropriator)

County of: Richland

State of: Montana

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

2. The beneficial use on which the claim is based. **Household Livestock.**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **Beginning in 1895, Prior to my knowledge.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute). **Don't Know.**

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.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **Don't Know.**

8. The depth of water table. **Between 56' - 65'.**

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, April 28th, 1961.**

10. The estimated amount of groundwater withdrawn each year. **Household Use.**

11. The log of formations encountered in the drilling of each well if available. **Same Top Soil, and then mostly Clay all the Way.**

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.

By: [Signature]

Date: Dec. 28, 1962

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

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

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

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

Edgar Hoxton Farm Inc., of Rt. 1, Box 55, Fairview
(Address) (Town)

County of Richland 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.

| Stockwater |

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

| 1935, Approximately Continuous |

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

| 5-7 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.

| Not Applicable |

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

| Electric motor and pump jack |

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.

| To 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.

| Bored well about 30' deep |

10. The estimated amount of groundwater withdrawn each year.

| About 150,000 gal |

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: Walter W. Hoxton
Date: Feb. 23, 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,
County of Richland,

For the... 30 Day of
December, 1865

At 12 o'clock... pl. o'clock.

John H. Leader
County Magistrate

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

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

EUGENE HOUCHEN, FARM INC., of RT 1, Box 156, FAIRVIEW

County of RITCHIE

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
EDGAR HOUCHEN
Date: 1-20-63

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.