**WATER WELL LOG**

**Owner:**

**Address:**

**Driller:**

**Address:**

**Date Started:** January 20, 1959

**Date Completed:** April 28, 1959

**Location:** Sec. 27, T. 15 S., R. 13 W., 1/4 sec. N.E. N.E.

**Type of Well:**

**Equipment Used:**

**Water Use:**

- [ ] Domestic
- [ ] Municipal
- [ ] Stock
- [ ] Irrigation

**Casing:**

<table>
<thead>
<tr>
<th>Start</th>
<th>End</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ft. to 10 ft.</td>
<td></td>
<td>[galvanized]</td>
<td></td>
</tr>
</tbody>
</table>

**Perforated or Screened:**

<table>
<thead>
<tr>
<th>Start</th>
<th>End</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level:** 152 feet

**Shut-in Pressure:**

<table>
<thead>
<tr>
<th>Date</th>
<th>Pressure</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Pumping Water Level:** 180 feet

**How Tested:**

**Length of Test:** 1 hr.

**Remarks:**

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

- (over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 1</td>
<td>Well</td>
</tr>
<tr>
<td>1 to 13</td>
<td>Red clay</td>
</tr>
<tr>
<td>13 to 24</td>
<td>Red rock</td>
</tr>
<tr>
<td>25 to 39</td>
<td>Yellow silt</td>
</tr>
<tr>
<td>39 to 50</td>
<td>Yellow rock silt</td>
</tr>
<tr>
<td>50 to 65</td>
<td>Red rock and shale silt stratified</td>
</tr>
<tr>
<td>65 to 103</td>
<td>Pink clay and rock layers</td>
</tr>
<tr>
<td>103 to 110</td>
<td>White clay</td>
</tr>
<tr>
<td>110 to 135</td>
<td>Red rock</td>
</tr>
<tr>
<td>135 to 150</td>
<td>Red shale silt</td>
</tr>
<tr>
<td>150 to 160</td>
<td>White clay</td>
</tr>
<tr>
<td>160 to 180</td>
<td>White rock</td>
</tr>
<tr>
<td>180 to 200</td>
<td>Clear water</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Clifford Heck
   (Name of Appropriator)

   at R.L. Lewis Town
   (Address) (Town)

   County of Fergus
   State of Montana

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

   [Grid map]

   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 HOUSE AND WATER IRON

3. Date or approximate date of earliest beneficial use; and how continuous the use has been APPLICABLE, USED ALL THE TIME

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

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 PUMP

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

8. The depth of water table: 16 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 DUG, 16 FEET, WATER AND PUMP

10. The estimated amount of groundwater withdrawn each year: DO NOT KNOW

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: Clifford Heck

Date: 5-31-1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
State of Montana
County of [County]

DEC 3 1853

Filed 6 o'clock P.M.

MAY BETHBUN
County Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUND-WATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 257, Montana Session Laws, 1961)

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

   County of ____________________________  State of ____________________________

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner ____________________________
Date ____________________________

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

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

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

Declaration of Vested Groundwater Rights
(Under Chapter 277, Montana Session Laws, 1961)

1. Franz Weinhimer, of Freiheit Box 109 Lewistown
   County of Fergus
   State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1961, as follows:

2. The beneficial use on which the claim is based, well for  
   ________________
   ________________
   ________________
   ________________
   ________________
   ________________
   ________________
   ________________

3. Date or approximate date of earliest beneficial use, and how continuous the use has been, prior to 1961 year:
   ________________
   ________________
   ________________
   ________________
   ________________
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   ________________
   ________________

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: Franz Weinhimer
Date: 2/20/63

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 Missoula

Feb. 23 1903

Filed

9:30 A.M.

[Signature]

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

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

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Question</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Name of Appropriator</td>
<td>Name of Appropriator of Address: Town</td>
</tr>
<tr>
<td>County of</td>
<td>State of</td>
</tr>
<tr>
<td>2. The beneficial use on which the claim is based</td>
<td>Household or farm use</td>
</tr>
<tr>
<td>3. Date or approximate date of earliest beneficial use; and how</td>
<td>Continuous use</td>
</tr>
<tr>
<td>4. The amount of groundwater claimed (in miner's inches or gallons</td>
<td>15 ft. - 30</td>
</tr>
<tr>
<td>5. If used for irrigation, give the source and description of the</td>
<td>lands to which water has been applied and name of the owner thereof</td>
</tr>
<tr>
<td>6. The means of withdrawing such water from the ground and the</td>
<td>Pump</td>
</tr>
<tr>
<td>7. The date of commencement and completion of the construction of the</td>
<td>1976</td>
</tr>
<tr>
<td>8. The depth of water table</td>
<td></td>
</tr>
<tr>
<td>9. So far as it may be available, the type, size and depth of each</td>
<td>N5 F7</td>
</tr>
<tr>
<td>10. The estimated amount of groundwater withdrawn each year</td>
<td></td>
</tr>
<tr>
<td>11. The log of formations encountered in the drilling of each well</td>
<td></td>
</tr>
<tr>
<td>12. Such other information of a similar nature as may be useful in</td>
<td></td>
</tr>
<tr>
<td>13. Signature of Owner</td>
<td></td>
</tr>
</tbody>
</table>

Signature of Owner: 
Signature Date: 

PLEASE ANSWER ALL QUESTIONS. IF NOT APPLICABLE, وذلك 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 APPLICANT.
State of Montana, County of Fergus

12th...DEC. 31st...18--

at 2:30... o'clock PM.

MAY RATHBUN
P.O. County Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Thomas C. Moore
   of Lewistown
   Town
   County of Fergus
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1905, continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: none

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: 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: 50,000 gallons

11. The log of formations encountered in the drilling of each well if available: none

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 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
State of Montana,  
County of Fergus.  

Filed DEC 3 1 1963  
at 3:30 p.m.  

MAY RATHBUN  
County Clerk and Recorder  

COPY  

17507
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 no applicable, so state, otherwise the form may be returned.

Owner: Tom Doe
Address: 123 Main St, Big Sky, MT

Date well started: March 1, 1972
Date well completed: March 30, 1972

Type of well: Drilled
Equipment used: Churn drill

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Depth of Cutting</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7' 1/8</td>
<td>6' 6&quot;</td>
<td>0</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>7' 1/8</td>
<td>6' 6&quot;</td>
<td>40</td>
<td>815</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 40 ft
Pumping water level: 130 ft

Power: 1 HP

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

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: John Doe
Driller's Address: 123 Main St, Big Sky, MT
LICENSE NO.: 0001

Show exact depth of bottom.
STATE OF MONTANA
ADMINISTRATOR OF GROUND WATER CODE
OFFICE OF STATE ENGINEER

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

1. Alden E. Smith
   (Name of Appropriate) 
   at R.R. 1
   (Address) 
   Lewiston
   (Town)

   County of
   State of

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

   2. The beneficial use on which the claim is based—Watering livestock.

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been—1970 and annual.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)—Fifty gallon 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—DAM WITH DITCH.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater—1951.

   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—Claim 10 ft. deep by 30 ft. long.

10. The estimated amount of groundwater withdrawn each year—6,000,000 gallons.

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

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

   Signature of Owner Alden E. Smith
   Date Dec 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 Appropriate. 1950.
### Declaration of Vested Groundwater Rights

(Under Chapter 327, Montana Session Laws, 1961)

1. **Alden Edyke**
   - **Name of Appropriate:**
   - **Address:**
   - **Town:**

   **County of**
   - **State of**

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

   **2. The beneficial use on which the claim is based:**
   - **1902**

   **3. Date or approximate date of earliest beneficial use and how continuous the use has been:**
   - **1930 and continues ever since then**

   **4. The amount of groundwater claimed (in miner's inches or gallons per minute):**
   - **5 feet 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:**
   - **15 acres of land in Section 3, Township 16 North, Range 14 West of the 5th Principal Meridian**

   **6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:**
   - **Spring drilled and dug**

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

   **8. The depth of water table:**
   - **25 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:**
   - **200 feet long**

   **10. The estimated amount of groundwater withdrawn each year:**
   - **2,000 gallons per month**

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

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

   **Signature of Owner:**
   - **Alden Edyke**
   - **Date:** **Dec 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 Appropriate.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 261, Montana Session Laws, 1961)

Owner: Mr. Jessie Knowse
Address: Lewistown, Montana

Drillers: Wellman & Lunson Drig.
Address: Grass Range, Montana

Date of Notice of Appropriation of Groundwater: Not applicable.

Date well started: Sept. 17, 1962
Date Completed: Oct. 6, 1962

Type of well: Drilled
Equipment Used: Rotary
(Drill, driven, bored or churned; drill, rotary or other)

Water Use: Domestic
Municipal
Other
Irrigation

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

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Description</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top of Ground</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Surface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>56</td>
<td>Shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>Hard brown rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67</td>
<td>Benetic sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96</td>
<td>Sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>101</td>
<td>Brown &amp; grey shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>123</td>
<td>Hard white rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>133</td>
<td>Sandy shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>233</td>
<td>Coal</td>
<td>10 14 8&quot;</td>
<td>0 20</td>
</tr>
<tr>
<td>238</td>
<td>Benetic sandy shale</td>
<td>7 7/8 17 6 5/8</td>
<td>0 57</td>
</tr>
<tr>
<td>303</td>
<td>Coal</td>
<td>5 5/8 9 4 1/2</td>
<td>0 303</td>
</tr>
<tr>
<td>321</td>
<td>Green benetic shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>321</td>
<td>Coal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>Brown shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>322</td>
<td>Coal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>356</td>
<td>Silty shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>434</td>
<td>Benetic sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>446</td>
<td>And</td>
<td></td>
<td></td>
</tr>
<tr>
<td>466</td>
<td>Benetic clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>485</td>
<td>Section T R</td>
<td></td>
<td></td>
</tr>
<tr>
<td>498</td>
<td>Shows location of well and place of use, if possible. Each acreage represents 10 acres.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 0 feet.

Shut-in Pressure for Flowing Well: 5 feet.

Pumping Water Level: 295 feet at 10 gpm per minute.

Discharge in gpm, per min., of flowing well: 10 gpm.

How Tested: Beiler - Pump Length of Test Adequate

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.

All casings cemented.

Wellman & Lunson Drig. Co. Inc.

Driller's License Number: 25

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 Approprietor.
State of Montana

County of Franklin

Filed: OCT 25 1962

8:30 a.m.

Mary Matthews
County Clerk and Recorder
Top of Ground
(Elev. above sea level 4000 ft)

Topsoil

Gravel
Red Clay
Boulders
Quicksand

Hard rock

Drilled
Equipment Used: Cable Tool
(type dug, driven, bored or drilled)

Type of well

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

Water strata met with in drilling are:

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

Static Water Level for non-flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Remarks:

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 Appropriate.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

OWNER

1. Floyd D. Trumpower & Mary E. Trumpower
   (Name of Appropriator)
   711 E. Blvd., Lewistown
   (Address)
   Lewistown
   (Town)
   County of Fergus
   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: **irrigation**

3. Date or approximate date of earliest beneficial use: **1913. Continuous during irrigating season**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **3 gallons per minute, when in use**

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:
   Lewistown Tract #31, Fergus County, Montana
   Owners: Floyd D. Trumpower and Mary E. Trumpower, as joint tenants

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **construction completed in 1913.**

8. The depth of water table: **12 feet**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   **Depth - Exact depth unknown, approximately 20' deep**

10. The estimated amount of groundwater withdrawn each year: **120,000 gallons per year**

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

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

Signature of Owner: Mary E. Trumpower
Date: December 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
State of Montana,
County of [County Name]

[Handwritten text]

FILE

DEC 19

at 3:00 P.M.

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

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

Owner: Alex White
Address: Lowistown, Mont.

Driller: George C. Singley
Address: Lowistown, Mont.

Date of Notice of Appropriation of Groundwater:
Date well started: Sept. 14, 1962
Date completed: Sept. 17, 1962

Type of well: Drilled
Equipment Used: Table 2ool
Type (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</th>
<th>Size and</th>
<th>From</th>
<th>To</th>
<th>Kind</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled Hole</td>
<td>Weight of Casing</td>
<td>(Feet)</td>
<td>(Feet)</td>
<td>Perforations</td>
<td>(Feet)</td>
<td>(Feet)</td>
</tr>
<tr>
<td>5-5/3</td>
<td>4&quot; ID 11.7 Galv.</td>
<td>2' above Galv.</td>
<td>49</td>
<td>Lots 2</td>
<td>43</td>
<td>49</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: __________ feet.
Shut-in Pressure for flowing well: __________ psi.
Pumping Water Level: __________ feet at __________ gal. per minute.
Discharge in gal. per min. of flowing well: __________

How Tested: Timed into detention 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)

Packer not at 41' cemented with 10 packs

Driller's License Number: 19
Driller's Signature: George C. Singley

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.
<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>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Wilson James</td>
<td>S76</td>
<td>8752</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Jackson James</td>
<td>S76</td>
<td>5827</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Smith Hill</td>
<td>S71</td>
<td>7854</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>White Dog</td>
<td>S74</td>
<td>7283</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>White Doe</td>
<td>S74</td>
<td>17284</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>White Doe Contract</td>
<td>S74</td>
<td>17282</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>White Doe</td>
<td>S74</td>
<td>87633</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Jackson James</td>
<td>S74</td>
<td>16876</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Jackson James</td>
<td>S74</td>
<td>8189</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Jackson James</td>
<td>S74</td>
<td>8116</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Jackson James</td>
<td>S74</td>
<td>17352</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>White Doe Contract</td>
<td>S74</td>
<td>17484</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Jackson James</td>
<td>S74</td>
<td>39016</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>White Doe Contract</td>
<td>S74</td>
<td>17613</td>
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<tr>
<td>13</td>
<td>White Doe</td>
<td>S74</td>
<td>17906</td>
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<tr>
<td>14</td>
<td>Jackson James</td>
<td>S74</td>
<td>17903</td>
<td></td>
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<tr>
<td>14</td>
<td>White Doe Contract</td>
<td>S74</td>
<td>17907</td>
<td></td>
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<tr>
<td>24</td>
<td>White Doe Contract</td>
<td>S74</td>
<td>17351</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Jackson James</td>
<td>S74</td>
<td>32286</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Jackson James</td>
<td>S74</td>
<td>32285</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Jackson James</td>
<td>S74</td>
<td>17350</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Jackson James</td>
<td>S74</td>
<td>17352</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Jackson James</td>
<td>S74</td>
<td>17262</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Jackson James</td>
<td>S74</td>
<td>17259</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Jackson James</td>
<td>S74</td>
<td>17257</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Jackson James</td>
<td>S74</td>
<td>17255</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Jackson James</td>
<td>S74</td>
<td>17285</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Jackson James</td>
<td>S74</td>
<td>17287</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Jackson James</td>
<td>S74</td>
<td>17283</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Jackson James</td>
<td>S74</td>
<td>17287</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Jackson James</td>
<td>S74</td>
<td>17287</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1981)

Date of Appropriation of Groundwater

Owner: Dorman Jackson  Address: Box 1099, Lewistown, Montana.

Contractor (if any): None

Address of Contractor: None

Date Started: Date Completed: 1948

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. This spring was developed in 1948.
by using 150 feet of 2 inch pipe and running the water into
a steel water tank 8 feet long by 4 feet wide and 3 feet deep.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermit-
tent estimate approximate lengths of periods of use

Has been in use since completion in 1948

Signature of Owner: Dorman Jackson

Date: March 1, 1948

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are 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 CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater \(1907\)

Owner: Dorman Jackson  Address: Box 1099 Lewistown, Montana

Contractor (if any): None
Address of Contractor: None

Date Started: \(1907\)  Date Completed: \(1907\)

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This spring was completed in 1907.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use

SE 1/4 NW 1/4 Sec 13  T. 15 N.  R. 19 E.,

Indicate point of appropriation and place of use, if possible. Has been in use since 1907.

Signature of Owner: Dorman Jackson
Date: March 7, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are 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.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carl Night</td>
<td>Lewistown, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>George C. Single</td>
<td>Lewistown, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 8, 1957</td>
<td>Oct. 20, 1957</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Sec. T. R. 1/4 sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 7 2 1/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Casing</th>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Drill</td>
<td>11 ft. to 16 ft.</td>
<td>Slots</td>
</tr>
<tr>
<td></td>
<td>(Chis, driven, bored, or drilled)</td>
<td>Type H &amp; S</td>
<td>Size 61/2</td>
</tr>
</tbody>
</table>

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

| Industrial | Drainage | Other: |
|           |          |        |

<table>
<thead>
<tr>
<th>above ground</th>
<th>ft. to</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>11</td>
<td>H &amp; S</td>
<td>51/2</td>
</tr>
<tr>
<td>Casing:</td>
<td>11</td>
<td>H &amp; S</td>
<td>51/2</td>
</tr>
<tr>
<td>Casing:</td>
<td>11</td>
<td>H &amp; S</td>
<td>51/2</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>90 ft.</td>
<td>to ft. 110</td>
<td>Ft. 60 to ft. 70</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>feet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>lb. sq. in. on: (date)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>feet at</th>
<th>gal. per min.</th>
<th>How tested:</th>
<th>Length of test: 1 hr.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>60</td>
<td></td>
<td>Balling</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel packing, cementing, packers, type of shut-off, depth of shut-off</td>
</tr>
</tbody>
</table>

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topsoil</td>
</tr>
<tr>
<td>1</td>
<td>Blue clay</td>
</tr>
<tr>
<td>5</td>
<td>Yellow clay, Boulders</td>
</tr>
<tr>
<td>55</td>
<td>Brown clay, rock</td>
</tr>
<tr>
<td>60</td>
<td>Light yellow rock</td>
</tr>
<tr>
<td>60</td>
<td>Yellow sandstone, water, 7 salvin.</td>
</tr>
<tr>
<td>62</td>
<td>Blue grey shale</td>
</tr>
<tr>
<td>85</td>
<td>Pink rock hard</td>
</tr>
<tr>
<td>90</td>
<td>Light grey rock hard, some sand, water, white rock</td>
</tr>
<tr>
<td>110</td>
<td>White rock</td>
</tr>
<tr>
<td>202</td>
<td>Layers of light grey, light tan, sand, rock, some</td>
</tr>
</tbody>
</table>
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

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

1. JAMES C. & LEORA L. WILKINS  
(Name of Appropriator)  

of  

Lewistown  
(Address)  
(Town)

County of Fergus  
(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 use

3. Date or approximate date of earliest beneficial use:  

1900 - continuous use

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:  

none

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

flowing spring dug out and tapped at bottom with pipe running 200 feet to 2 water tanks

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

1900 - pipe and tanks installed

8. The depth of water table:  

10 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:  

4.1 x 5.4 curbing around spring - water piped to tanks below

10. The estimated amount of groundwater withdrawn each year:  

1 million gallons or more

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

none

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:  

spring has been in use since early days - has been dug out and improved from time to time

Signature of Owner:  

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

1. JAMES C. A LEGEA L. WILKINS
   (Name of Appropriator)
   (Address)
   (Town)
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based
   □ Domestic use and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   □ Before 1900 — continuous
   □ 2 dug wells

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   □ Irrigate garden — near wells

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   □ Electric pump — household water system — gas pump and windmill — natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   □ Latest improvement — 1961

8. The depth of water table
   □ 10-14 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   □ Steel curbing — 3" dia. x 14' deep in well serving house — Electric pump — pressure system
   □ Centrifugal pump driven by gas motor / also windmill — some natural flow

10. The estimated amount of groundwater withdrawn each year
    □ 3/4 million gallons

11. The log of formations encountered in the drilling of each well if available
    □ None

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
    □ Wells have been used since early days — have been improved from time to time

   Signature of Owner
   Date, December 28, 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. JAMES C. & LEORA L. WILKINS, st. Lewistown
   (Name of Appropriator) (Address) (Town)

County of Fergus State of Montana

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

2. The beneficial use on which the claim is based...
   domestic use and livestock

3. Date or approximate date of earliest beneficial use, and how continuous the use has been... before 1900 = continuous use
   3 flowing springs = one dug well

4. The amount of groundwater claimed (in miner’s inches or gallons per minute)...
   each spring = 4 gallons per minute
   well = all water

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal...
   flowing springs = pump on well... springs are dug out and improved... pipe to water tanks

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
   latest improvement = 1961... springs dug out 10 feet...
   performed pipe buried in gravel and run to water tanks

8. The depth of water table...
   10 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...
   three improved springs = dug well with pump

10. The estimated amount of groundwater withdrawn each year...
    over 1 million gallon each spring

11. The log of formations encountered in the drilling of each well...
    none

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...
    springs and wells have been in use since early days... have been improved from time to time

Signature of Owner: JAMES C. WILKINS
Date: December 28, 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.

17210
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, 1982
(Under Chapter 217 Montana Session Laws 1961, as amended)

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

Date of Notice of appropriation of groundwater: [Date]
Date well started: [Date]
Date completed: [Date]

Type of well Drilled: [Type of well]
Equipment used: [Equipment used]

Water use: [Water use]

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

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Weight of Casing</th>
<th>Free Feet</th>
<th>To Feet</th>
<th>Kind of Size</th>
<th>From Feet</th>
<th>To Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;7/8&quot;</td>
<td>440'/4&quot; for 200' test plastic</td>
<td>0</td>
<td>21</td>
<td>5/16&quot; holes</td>
<td>100</td>
<td>135</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 35 feet.
Shut-in Pressure for Flowing Well: None.
Pumping Water Level: 40 feet at 100 gal. per minute.
Discharge in gal. per min. of flowing well: None.

How Tested: Air
Length of Test: 1 hour, approx.
Remarks: (Gravel packing, cementing packers, type of shutoff), Casing sealed with bentonite.

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

Show exact depth of bottom.

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

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

Driller's License Number: [License Number]
Driller's Signature: [Signature]
State of Montana,
County of Pondera

MAY 21 1970

Filed
at 3:00 o'clock P.M.

Mary Rathbun

County Clerk and Recorder
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level)

<table>
<thead>
<tr>
<th>Elev.</th>
<th>Well</th>
<th>Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
<td>100</td>
</tr>
<tr>
<td>20</td>
<td>30</td>
<td>300</td>
</tr>
</tbody>
</table>

Date of Notice of Appropriation of Groundwater

Date Well Started

Date Completed

Type of Well

Drilled

Equipment Used

Rotary

Water Use

Domestic

Municipal

Steak

Irrigation

Industrial

Driller

Address

Date Completed

Address Landowner's County

Driller's License Number

Driller's Signature

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 CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater.
Owner Dorman Jackson Address: Box 1099 - Lewistown, Montana
Contractor (if any) None
Address of Contractor None
Date Started Date Completed 1919
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This is a spring that was completed in 1919.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

This spring is piped about 400 feet with a 2-inch steel pipe into a steel tank 1 feet long, 4 feet wide and 1 feet deep.

Signature of Owner Dorman Jackson
Date March 9, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are 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.
COPY

State of Montana
Count., of Fergus

Filed: March 2, 1962
at 3:45 P.M.

Clifford F. McLeod
Crazy Horse Clerk and Recorder

8809
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Dorman Jackson
   Name of Appropriator
   of P. O. Box 1099 Lewistown,
   Address
   (Town)
   County of Fergus 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
   This well water is used at the barn on the above described property

3. Date or approximate date of earliest beneficial use, and how continuous the use has been
   1939

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   20 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
   Not used for irrigation

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

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

8. The depth of water table
   196 feet deep

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
   This well has 4 inch well casing of steel

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available
   Log 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 other information known.

Signature of Owner: Dorman Jackson
Date March 1, 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.
8810
COPY

State of Missouri,  
County of Franklin

Filed  MAR 2  1962

at 3:15 p.m.

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

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

1. Donnan Jackson of P. O. Box 1099, Lewistown, Montana
   (Name of Appropriator) (Address) (Town)

   County of Fergus 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
      This well water is used at residence

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      1925
      Steady use

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      20 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.
      Not used for irrigation

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Well completed in 1925

   8. The depth of water table
      Well is 110 feet deep

   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
      This well has 4 inch well casing of steel

   10. The estimated amount of groundwater withdrawn each year

   11. The log of formations encountered in the drilling of each well if available
      Log 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 other information known

   Signature of Owner
   Date March 1, 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.
COPY

[Signature]

[Date]

[Location]

[Notary]

[Registrar]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. James L. Jackson of Lowistown, 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 watering livestock and household use.

3. Date or approximate date of earliest beneficial use and how continuous the use has been since the late 20th century and used continues.

4. The amount of groundwater claimed in miner's inches or gallons per minute: All three springs produce about 1.5 gallons per minute each.

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. Two springs located in the 1st half of sec. 11 T1S R19.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. The last two springs were worked on and the water pumped to watering tanks for livestock and piped to the house for use in 1957.

8. The depth of water table is not known.

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. All three springs are boxed in and piped out, to watering tanks and to the house.

10. The estimated amount of groundwater withdrawn each year is about 1,896,425 gallons.

11. The log of formations encountered in the drilling of each well if available is 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: James L. Jackson
Date: 12/02/65

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

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

Charlie A. Hawkins
(Name of Appropriator)

County of
(State of
(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: Stock Water

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2.5 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: Not used for irrigation

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

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

8. The depth of water table: Approximately 6 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: All Springs

10. The estimated amount of groundwater withdrawn each year: 600,000 gallons/yr

11. The log of formations encountered in the drilling of each well if available: No wells drilled

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: Spring improvement record at A.T.C. office

Signature of Owner: Charlie A. Hawkins

Date: Dec. 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.
MAY BETHUN

County Clerk and Recorder

DEC 2 1953
DEC 2 1953

CO

17654

State of Montana
County of...
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

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**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

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**Top of Ground**

<table>
<thead>
<tr>
<th>Elev. above sea level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topsoil</td>
</tr>
<tr>
<td>25</td>
<td>Hard brown broken rock</td>
</tr>
<tr>
<td>50</td>
<td>Blue shale</td>
</tr>
<tr>
<td>70</td>
<td>Shale and rock layers</td>
</tr>
<tr>
<td>85</td>
<td>Layers of rock and hard black coal like shale</td>
</tr>
</tbody>
</table>

Water 70-85'

Approx. 10 gal per day

**Date of Notice of appropriation of groundwater**

None

**Date well started**

Nov. 14, 1966

**Date completed**

Nov. 15, 1966

**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.

---

**Size of Drilled Hole**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-7/8</td>
<td>16</td>
<td>85</td>
</tr>
</tbody>
</table>

**Pumping Water Level**

**Static Water Level for non-flowing well**

60 feet

**Shut-in Pressure for Flowing Well**

0

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

0

**How Tested**

Air and Baller

**Length of Test**

1 hr.

**Remarks**

Gravel packing, cementing, packers, type of shuttering

---

**USE**

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

---

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

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

**Driller's License Number**

George G. Singley

**Driller's Signature**

---

41387
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator: Patricia L. White, 123 Main St., Town
   Address

   County of: Deer Lodge.
   State of: Montana.

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

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

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

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

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

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

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

   8. The depth of water table:

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

   10. The estimated amount of groundwater withdrawn each year:

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

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

   Signature of Owner: Robert L. Smith

   Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
17612

State of Montana,  
County of Fergus

Filed 26th day of May, 1879, at 10 o'clock A.M.

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

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

1. Mary Zollnick
   (Name of Appropriator)

   County of Fergus
   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: Cattie Watering

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

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: These are ordinary, Gravity flow

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

8. The depth of water table: unknown

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

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

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

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
   James Zollnick
   Date: Aug 15, 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, state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer. Triplite to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.