<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>4</td>
<td>Nancy A. Parks</td>
<td>C6.4</td>
<td>354994</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Kenneth L. Ellison</td>
<td>1961</td>
<td>292292</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Arnold Johnson</td>
<td>C62</td>
<td>392335</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Marvin Wilson</td>
<td>1961</td>
<td>383566</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Kathleen Johnson</td>
<td>C62</td>
<td>294455</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Anthony Johnson</td>
<td>C62</td>
<td>198921</td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. **Name of Appropriator:** Harry W. Anderson
   **Address:** 316 Main St.
   **Town:** Hamilton
   **County of Appropriation:** Missoula
   **State of Appropriation:** Montana
   
   Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:

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

   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: 

   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 The estimated amount of groundwater withdrawn each year: 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: 12-26-63

   Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Approprietor.
### WATER WELL LOG

**Owner:** Kenneth E. Wilson  
**Address:** Kumbor, Mont

**Driller:** Simpson Drilling Co.  
**Address:** Butte, Mont

**Date Started:** April 11, 1961  
**Date Completed:** April 14, 1961

**Location:** Sec. 11, T. 32 N, R. 12 E, N. 1/4 sec. 15

---

**Type of well:** Drilled  
**Equipment used:** Churn drill, rotary, other

**Water use:** Domestic [ ]  
Municipal [ ]  
Stock [x]  
Irrigation [ ]

Industrial [ ]  
Drainage [ ]  
Other: [ ]

**Casing:**
- 0 ft. to 237 ft.  
- Type: Type A and C  
- Size: 6 in.

**Perforated or Screened:**
- 222 ft. to 237 ft.  
- Type:  
- Size:  

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 75 feet

**Shut-in pressure, for flowing well:** lb./sq. in. on: (date)

**Pumping water level:** 200 feet at 24 gal. per min

**How tested:** Baled

**Length of test:** 1 hour

**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 - 1</td>
<td>Top soil</td>
</tr>
<tr>
<td>1 - 20</td>
<td>Brown clay</td>
</tr>
<tr>
<td>20 - 46</td>
<td>Creamy sandy clay</td>
</tr>
<tr>
<td>46 - 52</td>
<td>Pink sandstone</td>
</tr>
<tr>
<td>52 - 59</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>59 - 78</td>
<td>Sandstone, blue</td>
</tr>
<tr>
<td>78 - 94</td>
<td>Gray shale</td>
</tr>
<tr>
<td>94 - 120</td>
<td>Black shale</td>
</tr>
<tr>
<td>120 - 123</td>
<td>Brown sandstone</td>
</tr>
<tr>
<td>123 - 146</td>
<td>Blue shale</td>
</tr>
<tr>
<td>146 - 170</td>
<td>Gray sandstone, clay</td>
</tr>
<tr>
<td>170 - 229</td>
<td>Blue shale</td>
</tr>
<tr>
<td>229 - 237</td>
<td>Blue sandstone, water</td>
</tr>
<tr>
<td>Depth</td>
<td>Material</td>
</tr>
<tr>
<td>-------</td>
<td>---------------------</td>
</tr>
<tr>
<td>59.18</td>
<td>Sandstone, blue</td>
</tr>
<tr>
<td>78.94</td>
<td>Gray shale</td>
</tr>
<tr>
<td>94.120</td>
<td>Black shale</td>
</tr>
<tr>
<td>120.123</td>
<td>Brown shale</td>
</tr>
<tr>
<td>123.146</td>
<td>Blue shale</td>
</tr>
<tr>
<td>146.170</td>
<td>Gray sandstone, dry</td>
</tr>
<tr>
<td>170.229</td>
<td>Blue shale</td>
</tr>
<tr>
<td>222.239</td>
<td>Blue sandstone, water</td>
</tr>
</tbody>
</table>
File No. T 32 R 12 E

County... Hill

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

Owner: Arnold Soren
Address: Kremlin, Montana

Driller: Herbert Freier
Address: 281 W. State St., Havre, Mont.

Date of Notice of Appropriation of Groundwater

Date well started... October 18, 1962
Date completed... October 29, 1962

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>Stratum</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brown Sandstone (dry)</td>
<td>152</td>
</tr>
<tr>
<td>Hard Sandstone Shell</td>
<td>149</td>
</tr>
<tr>
<td>Sandstone (water-2 1/2 ft)</td>
<td>140</td>
</tr>
<tr>
<td>Hard Sandstone Shell</td>
<td>131</td>
</tr>
<tr>
<td>Sandstone (water-20 ft)</td>
<td>135</td>
</tr>
<tr>
<td>Sandy Blue Shale</td>
<td>159</td>
</tr>
<tr>
<td>Sandstone (water-20 ft)</td>
<td>162</td>
</tr>
<tr>
<td>Light Gray Shale</td>
<td>191</td>
</tr>
<tr>
<td>Blue Shale</td>
<td>192</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing wells... 136 feet

Shut-in Pressure for Flowing Well... Not applicable

Pumping Water Level... 170 feet at 5 gal per minute.

Discharge in gal per min of flowing well... 142 gal per min.

How Tested: Dewater & Swirl, Length of Test... 8 hours

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

Packers placed at 129 to 132 ft at 140' and 157' levels.

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.
ARNOLD STRENSON

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND
WATER APPROPRIATION BY MEANS
OF WELL

STATE OF MONTANA
COUNTY OF HILL
Filed at 11:15 o'clock P.M.
ON MAR. 15, 1963
R. E. Blom
COUNTY CLERK

By

Fees: $2.00 paid.
### WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOHN DOE</td>
<td>MONTANA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>POOL DRILLING CO.</td>
<td>MONTANA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>11/12/13</td>
<td>12/13/13</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: Sec. 38, T. 33, R. 12, 1/4 sec.</th>
<th>E. W. Y.</th>
</tr>
</thead>
</table>

**Type of well**
- Drilled, driven, bored, or drilled

**Equipment used**
- (Choose: drill, pulley, other)

**Water use**
- Domestic ☐
- Municipal ☐
- Stock ☐
- Irrigation ☐
- Industrial ☐
- Drainage ☐
- Other: ☐

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 120 ft.</td>
<td>T-4</td>
<td>6</td>
</tr>
<tr>
<td>120 to 250 ft.</td>
<td>T-6 C</td>
<td>4</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>2/16</td>
<td>5/16</td>
</tr>
</tbody>
</table>

**Type of screen or perforations**
- 2/16 holes

**Static Water level, for non-flowing well**
- 99 feet.

**Shut-In pressure, for flowing well**
- ... lb./sq. in. on: ... (date)

**Pumping water level**
- ... feet at ... gal. per min.

**How tested**
- H-12/C

**Length of test**
- ... HOURS

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

---

**Remarks**

**Signature**

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>74</td>
</tr>
<tr>
<td>74</td>
<td>95</td>
</tr>
<tr>
<td>95</td>
<td>125</td>
</tr>
<tr>
<td>125</td>
<td>125</td>
</tr>
<tr>
<td>125</td>
<td>125</td>
</tr>
</tbody>
</table>
MARION WILSON
TO
THE PUBLIC

WATER WELL LOG

STATE OF MONTANA
COUNTY OF HILL
Filed at 8:42 A.M. on MAY 11 1961

G. C. ZIEN
COUNTY CLERK

By

Fee $1.00 paid
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Anthony Johnson
Address: Enrolling, Montana

Driller: Robert S. Driller
Address: 512 East 6th Street, Havre

Date of Notice of appropriation of ground water: 
Date well started: November 2, 1962
Well completed: November 2, 1962

Type of well: Titled
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>Depth of Drilled Hole (ft)</th>
<th>Rise and Weight of Drilled Hole (ft)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>174</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well not applicable

Shut-in Pressure for Flowing Well 290
Pumping Water Level: 290 at a flow of 100 gpm
Discharge in gal. per min. of flowing well: 100 gpm

How Tested: Gauged
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 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 School of Mines and quadruplicate for Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Kathryn Johnson  Address: Kremlin, Montana
Driller: Herbert Frazier  Address: 231 E State St, Havre

Date of Notice of appropriation of ground water: November 1, 1962
Date well started: November 3, 1962  Date completed: Nov. 9, 1962

Type of well Drilled: Churn
Equipment used: Churn, drill, rotary or other

Water use: Domestic  Municipal  Stock  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 the water rises in the well.

<table>
<thead>
<tr>
<th>Depth of Strata</th>
<th>Character of Strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Sandy Brown Clays</td>
</tr>
<tr>
<td>5</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>50</td>
<td>Sandy Brown Clays</td>
</tr>
<tr>
<td>76</td>
<td>Sand</td>
</tr>
<tr>
<td>169</td>
<td>Grey Clays</td>
</tr>
<tr>
<td>172</td>
<td>Sand, trace coal, water</td>
</tr>
<tr>
<td>175</td>
<td>Gravel, Water</td>
</tr>
</tbody>
</table>

Shut-in Pressure for Flowing Well: 24"
Pumping Water Level: Not applicable
Discharge in gal. per min. of flowing well: 100 GPM

How Tested: Calibrated Tank
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 similar pertinent information, including number of acres irrigated, if used for irrigation). Packers placed at 90 ft. level, cemented from 80 ft. level to surface. Control valve installed to reduce water flow to 5 gpm.

Driller's License Number: 46
Driller's Signature: Herbert Frazier

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 Appropriator.
KATHRYN JOHNSON

To

THE PUBLIC

NOTICE OF COMPLETION OF GROUND
WATER APPROPRIATION BY MEANS OF
WELL

STATE OF MONTANA
COUNTY OF HILL

Filed at 10:30 o'clock A.M.,

ON NOV. 4 1962

G. C. Yeon
COUNTY CLERK

by
DEPUTY

Fee: $2.00 pd.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Kathryn J. Johnson  Address: Kremlin, Montana
Driller: Herbert Proctor  Address: 261 N. State St., Havre

Date of Notice of Appropriation of Groundwater: May 8, 1962
Date well started: April 24, 1962  Date Completed: May 5, 1962

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.

| Size of | Size and | From | To | PERFORATIONS |
| Drilled | Casing | (Feet) | (Feet) |
| Hole | (Feet) | |
| 7" CD | 26# per ft. | 2' above ground | 128 |

Static Water Level for non-flowing Well: 17 feet.
Shut-in Pressure for Flowing Well: Not applicable.
Pumping Water Level: 73 feet at 8 gal. per minute.
Discharge in gal, per min. of flowing well: Not applicable.

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) Casing placed in gravel to 120'. Flow reduced to 12 GPM at bottom.
Water feeding through bottom of casing.

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.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

STATE OF MONTANA
COUNTY OF HILL
Filed at 2:15 o'clock P.M.
on May 3, 1923
O. C. Leon

Fee: $2.00 paid.
<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>6</td>
<td>Wild County</td>
<td>Well</td>
<td>3.07231</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Mr. W. &amp; Pauline J. Belcher</td>
<td>Well</td>
<td>3.07232</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Wilson, A.</td>
<td>1400</td>
<td>3.07289</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Randall Hess</td>
<td>1402</td>
<td>4.67962</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Arnold Hess</td>
<td>1404</td>
<td>3.07080</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Kenneth H. &amp; Arvind</td>
<td></td>
<td></td>
<td></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. Name of Appropriator: __________
   Address: __________
   Town: __________
   County: __________
   State: __________

   Have appropriated groundwater according to the Montana laws in effect prior to Jan.
   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 & Recorder of the County in
   which the well is located.

   PLEASE ANSWER ALL QUESTIONS. IF NOT APPLICABLE, SO STATE, OTHERWISE THE FORM WILL BE RE-
   TURNED.

   Original to the County Clerk & Recorder; duplicate to the State Engineer; Triplicate to
   the School of Mines and Quadruplicate for the Appropriator.
HILL COUNTY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed at 9 o'clock A.M.

11-2-1963
COUNTY CLERK

FEE: $2.00 pd.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Marie W. Petros of State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

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 land 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.
396938

WILLIAM E. H. PETTEISH

TO

THE PUBLIC

DECLARATION OF VESTED
ORDINATELY RIGHTS

[Signature]
[Date: May 28, 1914]

PER 1 $2.00 pd.
**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>WILSON JT</td>
<td>Ricetin, Min.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>SOUTHE</td>
<td>Ricetin, Min.</td>
</tr>
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<th>Sec.</th>
<th>T.</th>
<th>R.</th>
<th>1/4 sec.</th>
</tr>
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<tbody>
<tr>
<td>Bee</td>
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<td>2</td>
<td>3</td>
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<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Churn Drill</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Industrial</th>
<th>Drainage</th>
<th>Other:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Sheet metal</td>
<td>6</td>
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<th>Type</th>
<th>Size</th>
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<table>
<thead>
<tr>
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<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>ft. to</th>
<th>ft.</th>
<th>Size</th>
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<tbody>
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<td></td>
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<td>2</td>
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<tr>
<th>Type of screen or perforations</th>
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<td>Pipe</td>
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<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>feet</th>
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<tbody>
<tr>
<td></td>
<td>146</td>
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<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>Ib./sq. In. on:</th>
<th>(date)</th>
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<tr>
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<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>feet at</th>
<th>gal. per min</th>
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</thead>
</table>

| How tested: | |
|-------------||

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<th>Length of test</th>
<th>Hours pumped</th>
<th>Sec.</th>
<th>per hour</th>
<th>$26 hrs. with no change</th>
<th>vs. production</th>
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</table>

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

<table>
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<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>(over)</th>
</tr>
</thead>
</table>
DOCUMENT NO. 378799

WILBUR ROLSTON

TO

THE PUBLIC

WATER WELL LOG

STATE OF MONTANA,
COUNTY OF HILL
Filed at 11:00 o'clock A.M.

AUG 4 11:00

O.C. YEON
COUNTY CLERK

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

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner**: Ambolo Dees  
**Address**: Holola, Montana

**Driller**: Gordon Dailey  
**Address**: Hard, Montana

**Date of Notice of appropriation of groundwater**

**Date well started**: 10/22/66  
**Date completed**: 10/24/66

**Type of well**: Drilled  
**Equipment used**: Cable Tool

**Water use**: Domestic [X]  
**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>Use of Deflected Hole</th>
<th>Water Level</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>8'</td>
<td>233</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well  

**Shut-in Pressure for Flowing Water Well**: 100 feet

**Pumping Water Level**: 10 feet

**Discharge in gal. per min. of flowing well**: Not Applicable

**How Tested**: Bailer & Pump

**Length of Test**: 8 hours

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

**From 233' PRODUCTION FROM 233' DESCENDED FROM 233' DESCENDED 15' 15' 15' COMPLETE

**From 233' Back to 20' to SEAL OFF

**PRODUCTION AT 10' LEVEL... (Continue on reverse side)***

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

**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, three copy to be retained by driller.**

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

<table>
<thead>
<tr>
<th>Driller's License Number</th>
<th>Driller's Signature</th>
</tr>
</thead>
<tbody>
<tr>
<td>46</td>
<td>Gordon Dailey</td>
</tr>
</tbody>
</table>

**Date**: 11/6/66
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

STATE OF MONTANA
COUNTY OF

By

R. E. Bloom
COUNTY CLERK

By

DEPUTY

Fee: $2.00 Paid
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. **Harold Doe**, of *Kendale*, Mont.
   (Address) (Town)
Have appropriated groundwater according to the Montana laws in effect prior to Jan. 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 & 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 & Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
397090

ARNOLD M. DEES

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed at 11 o'clock A.M.
ON DEC 31 1963

BARTON W. DECKER
DEPUTY

FEE: $2.00 pd.
July 27, 1970

Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Building
Helena, Montana 59601

Dear Sir:

Enclosed you will find a copy of a Release Agreement for the utilization of a fresh water well.

Operator: Texaco
Lease: Axvig
Well No. 1 Sec. 27, Twp. 32N, Rge 13E
Hill County

Yours very truly,

Norman J. Beaudry
Executive Secretary

NJB/mhl
Encl:
c: Mr. W. Vond
Bureau of Mines and Geology
Butte, Montana 59701
OIL AND GAS CONSERVATION COMMISSION
OF THE STATE OF MONTANA

RELEASE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that I, Kenneth G. Axvig

of the County of Hill in

the State of Montana, am the owner of the hereinafter described land upon which
a well for oil or gas was drilled, to-wit:

Operator Texaco Inc

Lease Name Axvig

Well No. 1 Sec. 27, Top. 32 N., Rge. 13 E.
The well is located 990 feet N of the North
line and 990 feet E of the West line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30, 1953,
I do hereby notify the Oil and Gas Conservation Commission of the State of Mont-
tana of my desire to utilize said well as a fresh water well; and, that if such
utilization is approved, I do hereby release and discharge the operator herein-
above named from any further work or responsibility in relation to the plugging
of said well.

WITNESS my hand and seal this 19th day of July 1970.

Kenneth G. Axvig (L.S.)

Landowner

Address Box 86

Niemin, Mont. 57531

IN THE PRESENCE OF:

APPROVED BY:

Oil and Gas Conservation Commission

Petroleum Engineer or Executive Secretary

Lated: July 25, 1970
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>1</td>
<td>O. M. Aldrich</td>
<td>G62</td>
<td>302618</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Lloyd W. Kusverte</td>
<td>1761</td>
<td>391652</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>William Milich</td>
<td>C04</td>
<td>390676</td>
<td></td>
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<tr>
<td>4</td>
<td>Walter Macht</td>
<td>1758</td>
<td>314921</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Alexander Brandi</td>
<td>C620</td>
<td></td>
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<tr>
<td>14</td>
<td>Eugene T. Brown</td>
<td>C620</td>
<td>390785</td>
<td></td>
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<tr>
<td>31</td>
<td>John Medina</td>
<td>C602</td>
<td>390843</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td>Emma H. Palmer</td>
<td>C603</td>
<td>397414</td>
<td></td>
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<tr>
<td>30</td>
<td>Jesse H. Farsley</td>
<td>C614</td>
<td>390393</td>
<td></td>
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<tr>
<td>30</td>
<td>Anna J. Ames</td>
<td>C614</td>
<td>397163</td>
<td></td>
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<tr>
<td>30</td>
<td>Emma H. Palmer</td>
<td>C604</td>
<td>357162</td>
<td></td>
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<tr>
<td>34</td>
<td>Anna J. Ames</td>
<td>C604</td>
<td>126201</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Robert D. Tocchet</td>
<td>C617</td>
<td>396875</td>
<td></td>
</tr>
</tbody>
</table>
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** O. M. Sather  
**Address:** Box 4 Haire, Montana

**Driller:** H. H. Drilling Service  
**Address:** R.R. #1, State St., Haire, Montana

**Date of Notice of Appropriation of Groundwater:**

**Date well started:** May 13, 1963  
**Date Completed:** April 27, 1963

**Type of well:** Drilled  
**Equipment Used:** Churn (dag, driven, bored or drilled)

**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.**

### Static Water Level for non-flowing Well

94 feet.

### Shut-in Pressure for Flowing Well

Not Applicable.

### Pumping Water Level

186 feet at 4 gal. per minute.

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

Not Applicable.

### How Tested

Bailer Length of Test: 24 hours.

### Remarks:

Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation. Packets placed directly above perforations at 180 and 100 foot levels, and also directly above water line at 94 feet.

**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.
O. M. SABRE

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUND WATER APPROPRIATION BY MEANS OF WELL

STATE OF MONTANA,
COUNTY OF HILL

Filed at 3:30 o'clock P.M.

ON MAY 7 1963

R. E. Blom

COUNTY CLERK

Fee: $2.00 pd.
Form No. 18

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Lloyd W. Kaechele
Address: Box 1087 Havre, MT

Driller: R. I. McCutcheon
Address: Havre, Mont

Date Started: Apr. 14, 1955
Date Completed: May 8, 1955

Location: Sec. 2 T. 32 R. 14

Type of well: Driven
Equipment used: Drill

Water use: Domestic X Municipal □ Stock X Irrigation □
Industrial □ Drainage □ Other □

Casing: 4 ft. to 206 ft. Type Merchant Size 6" OD

Perforated or Screened: Ft. 140' to ft. 165'. Ft. 175' to ft. 180'.

Type of screen or perforations: Casing perforated

Static Water level, for non-flowing well: 140' feet.

Shut-in pressure, for flowing well: 1 lb./sq. in. on:

Pumping water level: 106' feet at 4 gal. per min. 206'

How tested: Bailing

Length of test: UNKNOWN

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

Well cemented in well pit
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>18</td>
<td>Glacial Fill</td>
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<td>18</td>
<td>19</td>
<td>Layer Mudstone</td>
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<td></td>
<td>19</td>
<td>45</td>
<td>Clay</td>
</tr>
<tr>
<td></td>
<td>45</td>
<td>54</td>
<td>Yellow Shale</td>
</tr>
<tr>
<td></td>
<td>54</td>
<td>65</td>
<td>Brown Sandy Shale</td>
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<tr>
<td></td>
<td>65</td>
<td>67</td>
<td>Hard Rock</td>
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<tr>
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<td>67</td>
<td>70</td>
<td>Yellow Shale</td>
</tr>
<tr>
<td></td>
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<td>74</td>
<td>Blue Shale</td>
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<tr>
<td></td>
<td>74</td>
<td>101</td>
<td>Blue Gray Sandy Shale</td>
</tr>
<tr>
<td></td>
<td>101</td>
<td>105</td>
<td>Blue Shale</td>
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<td></td>
<td>105</td>
<td>118</td>
<td>Gray Shale</td>
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<tr>
<td></td>
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<td>120</td>
<td>Blue Gray Shale</td>
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<tr>
<td></td>
<td>120</td>
<td>122</td>
<td>Gray Sandy Shale</td>
</tr>
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<td></td>
<td>122</td>
<td>132</td>
<td>Gray Shale</td>
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<tr>
<td></td>
<td>132</td>
<td>139</td>
<td>Gray Sandstone</td>
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<td></td>
<td>139</td>
<td>141</td>
<td>Hard Rock</td>
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<td></td>
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<td>170</td>
<td>Gray Sandstone</td>
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<td></td>
<td>170</td>
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<td>Light Gray Brown Shale</td>
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<td></td>
<td>200</td>
<td>206</td>
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<td>220</td>
<td>Gray Sandstone</td>
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<td></td>
<td>220</td>
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<td>Depth</td>
<td>Description</td>
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<td>65</td>
<td>Brown Sandy Shale</td>
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<td>67</td>
<td>Hard Rib</td>
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<td>74</td>
<td>Blue Shale</td>
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<td>101</td>
<td>Blue Gray Sandy Shale</td>
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<td>105</td>
<td>Blue Shale</td>
<td></td>
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<td>118</td>
<td>Gray Shale</td>
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<td>120</td>
<td>Blue Gray Shale</td>
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<td>122</td>
<td>Gray Sandy Shale</td>
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<td>132</td>
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<td></td>
<td></td>
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<td>139</td>
<td>Gray Sand Stone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>141</td>
<td>Hard Rib</td>
<td></td>
<td></td>
</tr>
<tr>
<td>170</td>
<td>Gray Sand Stone</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. William Oiland
   of Box 724
   Havre
   (Name of Appropriator)
   (Address)
   (Town)

   County of Hill
   State of Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   approx. 1946

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   5 gals 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 methods of withdrawal
   electric water well pump jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   approx. 1946 - used continuously since

8. The depth of water table
   135 feet first vein; 180 feet second vein

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
   four inch casing; 1/2 pipe; drilled 210 feet deep

10. The estimated amount of groundwater withdrawn each year
    150,000 gals per year

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

Date: 20 December 1963

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

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

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

1344
WILLIAM GILCAD

TO

THE PUBLIC

DECLARATION OF TIED UP OR LOST WATER RIGHTS

STATE OF MONTANA, ss.
COUNTY OF HILL

Filed on 05-20-1963 at 4:00 o'clock P.M.

R.E. BIRD
COUNTY CLERK

Fee: $2.00 pd.
<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Walter Shele</td>
</tr>
<tr>
<td>Address</td>
<td>901-2 Ave.</td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 4  T. 32  R. 14  1/4  sec. S 1/4 - SW 1/4</td>
</tr>
<tr>
<td>Type of well</td>
<td></td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td></td>
</tr>
<tr>
<td>How tested</td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>From</td>
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<tr>
<td></td>
<td>185</td>
</tr>
<tr>
<td></td>
<td>216</td>
</tr>
</tbody>
</table>

P. J. May, Editor
State Fisk College #13
WALTER SHEELE
TO
THE PUBLIC
WATER WELL LOG

STATE OF MONTANA,
COUNTY OF HILL,

Filed April 23rd 1958
at 10 o'clock A.M.

COUNTY CLERK

<table>
<thead>
<tr>
<th>Depth</th>
<th>Color</th>
<th>Texture</th>
<th>Grain Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>gray</td>
<td>gravely</td>
<td>fine</td>
</tr>
<tr>
<td>15</td>
<td>brown</td>
<td>sandy</td>
<td>coarse</td>
</tr>
<tr>
<td>20</td>
<td>red</td>
<td>clayey</td>
<td>medium</td>
</tr>
<tr>
<td>25</td>
<td>black</td>
<td>silty</td>
<td>fine</td>
</tr>
</tbody>
</table>

COUNTY CLERK

DOCUMENT NO. 361921
STATE WATER CONSERVATION BOARD

FILE NO. 22

AUG 29 1966

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)

Top of Ground
(Elav. above sea level)

0 - 3 Surface Soil
3 - 15 Yellow Rocks & Clay, Address: Havre, Montana
15 - 25 Yellow Sandy Clay, Driller: Orville T. Jacobson
25 - 40 Yellow Clay
40 - 60 Blue Clay
60 - 62 Lime Shell
62 - 70 Gray Clay
70 - 74 Brown Clay
74 - 92 Blue Sandy Clay
92 - 100 Blue Clay & Sand
100-105 Gray Clay
105-110 Blue Clay, Size of Drilled Hole, 88-in.
110-120 Blue Clay
120-125 Gray Sand & Salt
125-127 Hard Sandy Shell
127-133 Gray Dry Sand
133-138 Band & Water
138-142 Blue Clay

<table>
<thead>
<tr>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-38 in. O.D. 12 Lbs. per Ft. Steel Casing</td>
<td>174 Slot</td>
<td>140 174</td>
<td></td>
</tr>
</tbody>
</table>

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>Water Use</th>
<th>Equipment Used</th>
<th>Kind of Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>139 feet</td>
<td>Domestic</td>
<td>Cable Tools</td>
<td>Drilled</td>
</tr>
</tbody>
</table>

Static Water Level for non-Flowing Well: 139 feet
Shut-In Pressure for Flowing Well:
Pumping Water Level: 168 feet at 4 gal. per minute
Discharge in gal. per min. of flowing well:
Well Tested: 2 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)

Show exact depth of bottom.

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.
FRANCIS SANDE

TO

THE PUBLIC

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELF

STATE OF MONTANA,
COUNTY OF HILL

Not at 1:30 o'clock P.M.

ON AUG. 5, 1856

COUNTY CLERK

[Signature]

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

1. VERMAN J. SOHM... of KREMLIN
   (Name of Appropriator) (Address) (Town)
   County of Hill 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...
   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 HILL
Filed at Missoula, Montana

ON DECEMBER 23, 1863

By

Paid $2.00 pd.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL

Filed at 11:50 a.m. on December 26, 1963

By G. B. E. B. County Clerk
Deputy

Fees $2.00 paid.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Steve Maxfield  Address: Havre, Montana
Driller: Simpsons Drilling Co.  Address: Malta, Montana

Date of Notice of appropriation of ground water
Date well started: Sept. 23, 1962  Date Completed: Sept. 23, 1962

Type of well: Drilled  Equipment used: Cable tools
(dug, driven, bored or otherwise)

Water use: Domestic  Municipal  Stock  Irrigation  Industrial  Drainage  Other

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

<table>
<thead>
<tr>
<th>Strata Met with in Drilling</th>
<th>Depth (Feet)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandy brown clay</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Gravel sand</td>
<td>29</td>
<td></td>
</tr>
<tr>
<td>Blue clay</td>
<td>36</td>
<td></td>
</tr>
<tr>
<td>Gravel and water</td>
<td>37</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 9 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level 14 feet
at 15 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested 1 hour
Length of Test
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 School of Mines and Quadruplicate for Appropriator.
STEVE MAXFIELD

to

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
BY MEANS OF WELL

STATE OF MONTANA,

COUNTY OF HILL

Filed at 2:35 o'clock P.M.

ON

OCT 18 1962

G. C. Yeon
COUNTY CLERK

By

DEPUTY

Fee: $2.00 pd.
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>1924</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner's Name</td>
<td>Address</td>
</tr>
<tr>
<td>Contractor (If any)</td>
<td></td>
</tr>
<tr>
<td>Address of Contractor</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
</tbody>
</table>

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Natural surface water was on the land at the required land. I used it for stock watering. Without Hutchins in the brush every year.

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. 2. Watering cattle 1960 - 1961

<table>
<thead>
<tr>
<th>Signature of Owner</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Signature]</td>
<td>5-17-1962</td>
</tr>
</tbody>
</table>

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.
DOCUMENT NO. 387164

ANNA H. PALMER

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION
WITHOUT WELL

STATE OF MONTANA
COUNTY OF BILL
Filed at 3:29 o'clock P.m.
ON JAN 29 1962

G. C. YRON
COUNTY CLERK

By

DEPUTY

FEE $2.00- paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
OFFICE OF STATE ENGINEER

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

1. Clarence H. Ranley, a Resident of Montana
   (Name of Appropriator)
   (Address) (Town)
   County of Hill, 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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1953, used continuously.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 8 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: 20 acres.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1953.

   8. The depth of water table: 150.

   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 ft. casing 175 ft.

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

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

   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: Clarence H. Ranley
Date: 12-17-63

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.
396882

CLARENCE G. PURSLEY

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA,
COUNTY OF BILL

Dated at , P.M., 1916.

DR. T. D. 1859

PARK

FEE: $2.00 pd.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1861)

1. Name of Appropriator
   (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 School of Mines and quadruplicate for the Appropriator.
DOCUMENT NO. 387163

ANNA H. PALMER

TO

THE PUBLIC

DECLARATION OF

VESTED GROUNDWATER RIGHTS

STATE OF MONTANA

COUNTY OF HILL

Filed at 2:10 o'clock A.M.

ON

JAN 29 1962

G.C. Yeom
COUNTY CLERK

By

DEPUTY

Fee $2.00 paid
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] of [Town], [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 cattle watering, laws and gardens

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1941

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

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

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: 18 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: Other

10. The estimated amount of groundwater withdrawn each year: 15,000 gal or less

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: [Name] Date: Jan 17, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quaduplicate for the Appropriator.
DOCUMENT NO. 387162

ANNA H. PALMER

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL

Filed at 2:30 o'clock P.M.
ON JAN 2, 1962

G.C. YOUNG COUNTY CLERK

By ______________ DEPUTY

FEE $2.00- paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Byron A. Yates of Box 357 Malta
   County of Phillips 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—Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: May 1969—continuous up to April 1962—intervals now

4. The amount of groundwater claimed (in miner's inches or gallons per minute): (15) Fifteen 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 each water from the ground and the location of each well or other means of withdrawal: Deepwell pressure pump in basement of house—well (1) ten feet from house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 1969

8. The depth of water table: 120 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well 120 feet, water rises to within 50 feet of ground level—6-inch well casing—water with fines and hit at 87 feet, bypassed and went down the 120 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: Not Applicable

Signature of Owner: Byron A. Yates
Date: December 20, 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.
306701

EDWIN E. TATTS

TO

THE PUBLIC

CONSERVATION OF WOODED GROUNDS

COUNTY RECORDS

STATE OF MONTANA)
COUNTY OF HILL

Filed at 9 o'clock A.M.

DAY OF AUGUST 1963

R. E. Blon
COUNTY CLERK

Fee: $2.00 pd.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Robert G. Hockett, of 833 13th St., Havre
   (Name of Appropriator) (Address) (Town)
   County of HILL 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
   and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   continuous use since 1924

4. The amount of groundwater claimed (in miner's inches or gallons per minute).
   100 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.
   none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   1924

8. The depth of water table.
   45 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 inch casing 110 feet

10. The estimated amount of groundwater withdrawn each year.
    120,000 gal

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: ____________________________
Date: Dec. 24, 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.
ROBERT G. HOCKETT

TO

THE PUBLIC

DECLARATION OF VISITED GROUNDWATER KEYS

FEE: $2.00 pd.