<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>50</td>
<td></td>
<td>Unknown</td>
</tr>
<tr>
<td>50</td>
<td>52</td>
<td></td>
<td>Clay</td>
</tr>
<tr>
<td>56</td>
<td>72</td>
<td></td>
<td>Sand stone</td>
</tr>
<tr>
<td>72</td>
<td>80</td>
<td></td>
<td>Gumbo</td>
</tr>
<tr>
<td>80</td>
<td>84</td>
<td></td>
<td>Sand and seep of water</td>
</tr>
<tr>
<td>84</td>
<td>94</td>
<td></td>
<td>Sandstone</td>
</tr>
<tr>
<td>94</td>
<td>98/98</td>
<td></td>
<td>Sand and Seep of water</td>
</tr>
<tr>
<td>98</td>
<td>100</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>100</td>
<td>112</td>
<td></td>
<td>Water Sand 10 gpm</td>
</tr>
<tr>
<td>112</td>
<td>116</td>
<td></td>
<td>Gumbo and Total Depth</td>
</tr>
</tbody>
</table>
## Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

### Owner
#### Per Folland
**Address:** Terry, Montana

### Driller
#### Harold Barvin
**Address:** Lincoln, Montana

### Date of Notice of Appropriation of Groundwater
**June 20, 1967**

### Date Well Started
**June 20, 1967**

### Date Completed
**July 7, 1967**

### Type of Well
**Drilled**

### Equipment Used
**(Choos, drill, rotary or drilled)**

### Water Use
- Domestic
- Municipal
- Other
- Irrigation
- Industrial
- Drainage
- Stock

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

### Diagram

#### Static Water Level for non-flowing Well
85 feet.

#### Shut-in Pressure for Flowing Well

#### Pumping Water Level
145 feet at 4 gal. per minute.

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

#### How Tested
**Stainless bucket**

#### Length of Test
2 hrs.

### 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.

<table>
<thead>
<tr>
<th>Perforations</th>
<th>Mind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>78</td>
<td>140</td>
</tr>
</tbody>
</table>

### Driller's License Number
**Driller's Signature**

### File No.: MONTANA WATER RESOURCES BOARD

### DUPLICATE

### RECEIVED
**AUG 30 1967**

### STATE OF MONTANA
**ADMINISTRATOR OF GROUNDWATER CODE**
**OFFICE OF STATE ENGINEER**

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

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.

42.248
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Frank Sanders
   (Name of Appraiser)
   of ____________________________
   (Address)
   __________, __________ 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: 1 well for household, 1 for stockwater

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1938

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1 well, 5 gals. a minute
      for 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

   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:
      Both wells completed in 1938

   8. The depth of water table: about 50 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:
      Both wells, the same type, same size, 50 ft. deep.

   10. The estimated amount of groundwater withdrawn each year: 100,000 gal.

   11. The log of formations encountered in the drilling of each well if available:
      Both wells the same formations about 50 ft. of clay then 50 ft. of sand

   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 Quaduplicate for the Appraiser.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Name of Appropriator: Frank Amadi
Address: Helena, Montana
County of: Powell
State of: Montana

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been. Used since 1953. Well is used every year for 3 months.

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

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

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

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

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: Well is a screened type 3 ft. in diameter, 40 ft. deep.

10. The estimated amount of groundwater withdrawn each year: 100,000 gal.

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: Frank Amadi
Date: Dec. 30, 1962

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

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

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

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

1. Frank Smale of Derry, Montana
   County of Pondera, 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: Well is used for stockwater.

3. Date or approximate date of earliest beneficial use and how continuous the use has been: September 1956 used about 3 months in a year.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): About 4 gal. a 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: Water pumped with a Volunteer Engine.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well completed in 1958.

8. The depth of water table: About 50 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: Well 8 ft. drilled type 4 inch, hole unknown.

10. The estimated amount of groundwater withdrawn each year: 90,000 gal.

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

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

Signature of Owner: Frank Smale
Date: Dec. 30, 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 Appropiator.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Location: Sec. 25 T. 15 R. 50</th>
<th>4 sec. NWt</th>
</tr>
</thead>
</table>

Owner: Roland Tibbits  
Address: Terry, Montana

Driller: Ira G. Bond  
Address: Terry, Montana

Date Started: 1953  
Date Completed: 1953

Type of well: drilled  
Equipment used: cable

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

Casing:  
- Surface to 30 ft.  
- Type: steel  
- Size: 4"  
- Other: □

Casing:  
- Ft. to Ft.  
- Type:  
- Size:  
- Other: □

Perforated or Screened:  
- Ft. to Ft.  
- Type:  
- Size:  
- Other: □

Type of screen or perforations: □

Static Water level, for non-flowing well: 22 feet

Shut-in pressure, for flowing well: □

Pumping water level: 22 feet  
Date: □  
Gal. per min.: □  
Bailer: □

How tested: □  
Length of test: 2 hours

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

(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>11</td>
</tr>
<tr>
<td>11</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>28</td>
</tr>
<tr>
<td>28</td>
<td>30</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

File No.

NAME OF APPLICANT: Edmund M. Reilly
ADDRESS: 
TOWN: 

COUNTY:

STATE OR COUNTY:

DECLARATION OF VESTED GROUNDWATER RIGHTS

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

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

3. Date of appropriation or 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, the area 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 work for withdrawal of groundwater:

8. The depth of water table:

9. So far as may be available, the type, size and depth of each well or the general specifications of any other work for 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: Edmund M. Reilly
Date: 12-20-63

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

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

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

11766
<table>
<thead>
<tr>
<th>Owner</th>
<th>Roland Tibbitts</th>
<th>Address</th>
<th>Terry, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Ira C. Bond</td>
<td>Address</td>
<td>Terry, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>1954</td>
<td>Date Completed</td>
<td>1954</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 31, T. 15, R. 50, 3/4 sec</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Drilled Type of well (Dug, driven, bored, or drilled)</th>
<th>Equipment used (Churn drill, rotary, other)</th>
</tr>
</thead>
</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>Industrial</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>187</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
</tbody>
</table>

| Perforated or Screened: | Ft. 159 to Ft. 179 |
|                        | Ft. 179 to Ft. 179 |

<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
<th>burned holes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>90 feet from surface</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>feet.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>110 feet from top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>feet at</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>boiler</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>2 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 4</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
</tr>
<tr>
<td>4-1</td>
<td>12-6</td>
</tr>
<tr>
<td>51</td>
<td>53</td>
</tr>
<tr>
<td>126</td>
<td>129</td>
</tr>
<tr>
<td>129</td>
<td>139</td>
</tr>
<tr>
<td>139</td>
<td>179</td>
</tr>
<tr>
<td>179</td>
<td>239</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)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>James W. Crockett</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

County of: [County] State of: [State] have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Declaration of Vested Groundwater Rights

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - Approximately 1942

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - 5 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:
   - No irrigation

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:
   - Drilled completed after 1942

8. The depth of water table:
   - 55 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:
   - Drilled - 10-inch casing - 60 ft. deep

10. The estimated amount of groundwater withdrawn each year:
    - 864,000 gallons

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

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

Signature of Owner: [Signature]
Date: [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.
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jim Crocket</td>
<td>Terry, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jno. C. Bond</td>
<td>Terry, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>July 10, 1961</td>
<td>July 15, 1961</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>50</th>
<th>1/4 sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>36</td>
<td>15</td>
<td>50</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Drilled, bored, or drilled)</td>
<td>Cable tool</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>(Check one or more)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Municipal</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 400 ft.</td>
<td>Steel</td>
<td>4 in.</td>
</tr>
<tr>
<td>400 ft. to 800 ft.</td>
<td>Steel</td>
<td>4 in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>400 ft. to 800 ft.</td>
<td>3/16 in. holes cut three in. apart, with torok</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>Shut-in pressure, for flowing well:</th>
</tr>
</thead>
<tbody>
<tr>
<td>380 down to 400 feet</td>
<td>20 lb./sq. in. on: (date)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>400 feet at</th>
<th>4 gal. per min.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
<td>with baler</td>
<td>for four hours</td>
</tr>
</tbody>
</table>

<p>| Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) |
|----------------------------------|----------------------------------|
| (over)                           | (over)                           |</p>
<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>50</td>
</tr>
<tr>
<td>50</td>
<td>150</td>
</tr>
<tr>
<td>150</td>
<td>170</td>
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<tr>
<td>170</td>
<td>213</td>
</tr>
<tr>
<td>213</td>
<td>224</td>
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<td>216</td>
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<td>300</td>
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<tr>
<td>302</td>
<td>400</td>
</tr>
<tr>
<td>400</td>
<td>420</td>
</tr>
<tr>
<td>420</td>
<td>422</td>
</tr>
</tbody>
</table>

- Top soil
- Yellow clay
- Gumbo
- Sandstone
- Gumbo
- Rock
- Gumbo
- Water sand
- Gumbo
<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>McNiven Brothers</td>
<td>CW</td>
<td>72257</td>
<td></td>
</tr>
</tbody>
</table>
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Developed after January 1, 1962)

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

**Owner:** McFallin Bros. Ranch

**Address:** Broadway, MT

**Driller:** Joe Johnson

**Address:** Terry, MT

**Date of Notice of Appropriation of Groundwater:** 6/15/78

**Date well started:** 6/15/78

**Date completed:** 6/15/78

**Type of well:** Drilled

**Equipment used:** Air Rotary

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Chisel</th>
<th>Depth of Well (Feet)</th>
<th>Water Level (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8&quot;</td>
<td>Shod plastic</td>
<td>0</td>
<td>196</td>
<td>1/2 X 4&quot;</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 162 feet.

Shut-in Pressure for flowing well: 3.5 feet.

Pumping Water Level: 138 feet at 9 gal per minute.

Discharge in gal per min. of flowing well: 804.6 gal per min.

**How Tested:** Pumped

**Length of Test:** 8 hrs.

**Remarks:**

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

**USE:**

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

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, 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>No.</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>PARK OF LAND MANAGEMENT</td>
<td>OW-4</td>
<td>84621</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>NORTHERN PACIFIC RAILWAY CO.</td>
<td>OW-4</td>
<td>87234</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>McHaffey Brothers</td>
<td>OW-2</td>
<td>46161</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>DELEHAN, M.B.</td>
<td>OW-2</td>
<td>87463</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>NORTHERN PACIFIC RAILWAY CO.</td>
<td>WATER-ELL 200</td>
<td>81234</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>DELEHAN, M.B.</td>
<td>WATER WELL 200</td>
<td>81920</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>DELEHAN, M.B.</td>
<td>WATER WELL 200</td>
<td>81930</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 Land Management **of**... 
- **Row 940, Miles City**

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

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

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

3. **Date or approximate date of earliest beneficial use; and how continuous the use has been**
   - 1937 - Continuous

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

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

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

7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**
   - 1937

8. **The depth of water table**
   - 1941

9. **So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater**
   - Drilled well - 1941 deep

10. **The estimated amount of groundwater withdrawn each year**
    - 1,360,000 gallons

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

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

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)

   (Name of Appropriator) (Address) (Town)
   County of Ramsey, State of Minnesota
   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: FURNISHING water for livestock.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1961.

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

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

   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: 180 feet deep, 4-inch casing.

   10. The estimated amount of groundwater withdrawn each 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: No other information available.

Northern Pacific Railway Company
Signature of Owner: ____________________________
Dist. Supvr., Graz. & Cult.: ______________________
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.
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Memmhin, Bros.  
**Address:** Blackway, Montana

**Driller:** Joe Johnson  
**Address:** Terry, Montana

**Date of Notice of Appropriation of Groundwater:** 5/27/66  
**Date Well Started:** 5/27/66  
**Date Completed:** 6/1/66

**Type of Well:** Drilled  
**Equipment Used:** Spudder

**Water Use:** Domestic [x]  
Municipal [x]  
Other [x]  
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>Stratum</th>
<th>Character</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' - 2'</td>
<td>Topsoil</td>
<td></td>
</tr>
<tr>
<td>2' - 14'</td>
<td>Yellow Soapstone</td>
<td></td>
</tr>
<tr>
<td>14' - 25'</td>
<td>Brown Soapstone</td>
<td></td>
</tr>
<tr>
<td>25' - 32'</td>
<td>Clay</td>
<td></td>
</tr>
<tr>
<td>32' - 40'</td>
<td>Yellow Clay</td>
<td></td>
</tr>
<tr>
<td>40' - 48'</td>
<td>Blue Clay</td>
<td></td>
</tr>
<tr>
<td>48' - 50'</td>
<td>Brn. Shale</td>
<td></td>
</tr>
<tr>
<td>50' - 55'</td>
<td>Gray Shale</td>
<td></td>
</tr>
<tr>
<td>55' - 65'</td>
<td>Brn. Shale</td>
<td></td>
</tr>
<tr>
<td>65' - 75'</td>
<td>Bl. Shale &amp; Coal</td>
<td></td>
</tr>
<tr>
<td>75' - 95'</td>
<td>H. Gray Shale</td>
<td></td>
</tr>
<tr>
<td>95' - 105'</td>
<td>Blue Shale</td>
<td></td>
</tr>
<tr>
<td>105' - 125'</td>
<td>H. Gray Shale</td>
<td></td>
</tr>
<tr>
<td>125' - 130'</td>
<td>Bl. Shale &amp; Coal</td>
<td></td>
</tr>
<tr>
<td>130' - 145'</td>
<td>Gray Shale</td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing Well:** 135 feet

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

**Pumping Water Level:** 125 feet at 4 gal. per minute.

**Discharge in gal. per min. of Flowing Well:**

**How Tested:** Builfer & Pump
**Length of Test:** 2 hours

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

**Casing:** hanging 44' from bottom at 247'

---

Driller's License Number: 1

Driller's Signature: [Signature]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Notice of Appropriation of Groundwater Appropriated by Means of Well**

Owner: M. B. Devlin  Address: Terry, Mont.

Driller: Joe Johnson  Address: Terry, Mont.

Date of Notice of Appropriation of Groundwater: July 16, 1965

Date well started: July 16, 1965  Date Completed: July 20, 1965

Type of well: Drilled  Equipment Used: Spudder

(Churn, drill, bored or other)

Water Use: Domestic  Industrial

Municipal  Drainage  Other

Irrigation

**Perforations**

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Select</th>
<th>Site and Weight of casing</th>
<th>From (feet)</th>
<th>To (feet)</th>
<th>Diameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-14' Yellow loam</td>
<td></td>
<td>H 14'</td>
<td>5 9/8</td>
<td>212</td>
<td>/4'</td>
</tr>
<tr>
<td>14'-18' Yellow sand</td>
<td></td>
<td>9 1/2 lb./ft.</td>
<td>0</td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>18'-50' Gray sandstone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>50'-75' Brown shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>75'-120' Coal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>78'-155' Gray sandstone</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>155'-165' White sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>165'-180' Gray shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>180'-200' Blue gray sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
<tr>
<td>200'-212' Gray shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>/4'</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 1160 feet.

Shut-in Pressure for Flowing Well: 

Pumping Water Level: 185 feet at 7 gal. per minute.

Discharge in gal. per min. of flowing well: 

How Tested: Pump

Length of Test: 24 hr

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

Gravel packed

Driller's License Number: 154

Driller's Signature: [Signature]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the appropriator.
STATE WATER CONSERVATION BOARD

JUL 26 1965

FILE \\
DUPLICATE

State: Montana
County: Prairie

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 297, Montana Session Laws, 1964)

Owners: Abner, F. A. Co. Address: St. Paul, Minn.
Driller: Joe Johnson Driller. Address: Terry, Mont.

Date of Notice of Appropriation of Groundwater: July 16, 1965
Date Well Started: July 16, 1965
Date Well Completed: July 20, 1965

Top of Ground (Elev. above sea level: 2000)

0-14' Yellow loam
14-18' Yellow Sand and Rock
18-50' Gray Soapstone
50-75' Brown Shale
75-78' Coal
78-155' Gray Soapstone
155-165' White Sand
165-180' Gray Shale
180-200' Blue Gray Sand
200-212' Gray Shale

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 of</th>
<th>Size and</th>
<th>Flow Rate</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Diameter</td>
<td>Width of</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hole</td>
<td>(Feet)</td>
<td>(Feet)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5'</td>
<td>4' Id.</td>
<td>9/16 per</td>
<td>0'</td>
<td>212'</td>
</tr>
<tr>
<td>5/8</td>
<td>12</td>
<td>0</td>
<td>183'</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 160 feet

Shut-in Pressure for Flowing Well: 185 feet at 7 gal. per minute

Pumping Water Level: 185 feet

Discharge in gal. per min. of flowing well: 24 hr.

How Tested: Pump

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

Gravel packed

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.

4/12/66
**Montana Bureau of Mines and Geology**

**State Engineer**

**Water Well Log**

<table>
<thead>
<tr>
<th>K</th>
<th>E</th>
</tr>
</thead>
</table>

**Owner:** J. M. F. Devlin  
**Address:** Terry, Montana

**Driller:** Johnson Water Well Service  
**Address:** Terry, Montana

**Date Started:** Sep 27, 1956  
**Date Completed:** Oct 3, 1956

**Location:** Sec. 34, T. 14 N., R. 66 W., 1/4 sec. SW 1/4 of SW 1/4

**Type of Well Drilled:** (Domestic, Irrigation, etc.)

**Equipment Used:** (Drill, rotary, etc.)

**Cable Tools:** (Chains, drills, etc.)

**Water Use:**
- [ ] Domestic
- [ ] Municipal
- [X] Stock
- [ ] Irrigation
- [ ] Other

**Casing:**
- [ ] 0 ft. to 100 ft. Type: 2 1/2 in. pipe  
  Size: 4 in.
- [ ] 100 ft. to 125 ft. Type:  
  Size:  
- [ ] 125 ft. to 150 ft. Type:  
  Size:  
- [ ] 150 ft. to 175 ft. Type:  
  Size:  
- [ ] 175 ft. to 195 ft. Type:  
  Size:  
- [ ] 195 ft. to 200 ft. Type:  
  Size:  

**Perforated or Screened:**
- [ ] Ft. 65 to Ft. 75  
- [ ] Ft. 112 to Ft. 158

**Type of Screen or Perforations:**
- [X] 65 ft.

**Static Water Level (for non-flowing wells):**
- [ ] Feet

**Shut-In Pressure (for flowing wells):**
- [ ] Lb./sq. in. on (date)

**Pumping Water Level:**
- [ ] Feet at: 6
- [ ] Gal. per min.

**How Tested:**
- [ ] Bailer

**Length of Test:**
- [ ] 4 hours

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

---

(Over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0-To 24</td>
<td>Yellow loam</td>
</tr>
<tr>
<td>24-30</td>
<td>Gray scapstone</td>
</tr>
<tr>
<td>30-40</td>
<td>Brown sand loam</td>
</tr>
<tr>
<td>40-50</td>
<td>Sandy blue shale</td>
</tr>
<tr>
<td>50-70</td>
<td>Blue shale</td>
</tr>
<tr>
<td>70-72</td>
<td>Coal</td>
</tr>
<tr>
<td>72-95</td>
<td>Blue shale w/coal flakes</td>
</tr>
<tr>
<td>95-110</td>
<td>Gray sandstone</td>
</tr>
<tr>
<td>110-134</td>
<td>Blue shale w/coal flakes</td>
</tr>
<tr>
<td>134-154</td>
<td>Coal</td>
</tr>
<tr>
<td>154-178</td>
<td>Gray scapstone</td>
</tr>
<tr>
<td>178-194</td>
<td>Coal</td>
</tr>
<tr>
<td>194-195</td>
<td>Sandy shale</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Mr. H. E. Devlin
Owner

Johnson Water Well Service
Driller

Address

Terry Montana

Date Started: 9-22-32
Date Completed: 9-27-32

Location: Sec. 36 T. 14 R. 46 N 1/2

Type of well: Drilled

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

Industrial [ ] Drainage [ ] Other: [ ]

Casing: 0 ft. to 115 ft. Type: [ ] Size: [ ]

Casing: 116 ft. to 215 ft. Type: [ ] Size: [ ]

Perforated or Screened: 155 ft. to 216 ft. Type: [ ] Size: [ ]

Holes: [ ]

Type of screen or perforation: [ ]

Static Water level, for non-flowing well: [ ] feet.

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

Pumping water level: 125 feet at $ [ ] gal. per min.

How tested: [ ]

Length of test: 2 hours

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</td>
<td>Yellow loam w/rock</td>
</tr>
<tr>
<td>14</td>
<td>Gray Soapstone</td>
</tr>
<tr>
<td>17</td>
<td>Gray Rock</td>
</tr>
<tr>
<td>19.5</td>
<td>Blue shale</td>
</tr>
<tr>
<td>40</td>
<td>Gray shale</td>
</tr>
<tr>
<td>90</td>
<td>Sandy Gray shale</td>
</tr>
<tr>
<td>115</td>
<td>Dark blue shale</td>
</tr>
<tr>
<td>135</td>
<td>Gray sandstone</td>
</tr>
<tr>
<td>138</td>
<td>Coal Dust</td>
</tr>
<tr>
<td>140</td>
<td>Blue shale</td>
</tr>
<tr>
<td>155</td>
<td>Blue sandstone</td>
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<tr>
<td>180</td>
<td>Gray sandstone</td>
</tr>
<tr>
<td>210</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>215</td>
<td>Coal</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
</tr>
<tr>
<td>4</td>
<td>REIDNER, LAWRENCE</td>
</tr>
<tr>
<td>5</td>
<td>REIDNER, ROBERT</td>
</tr>
<tr>
<td>6</td>
<td>REIDNER, ROBERT</td>
</tr>
<tr>
<td>1</td>
<td>REIDNER, ROBERT</td>
</tr>
<tr>
<td>12</td>
<td>COLE, HAROLD</td>
</tr>
<tr>
<td>14</td>
<td>McCORD, ISABEL</td>
</tr>
<tr>
<td>19</td>
<td>DEVISH, M.G.</td>
</tr>
<tr>
<td>22</td>
<td>HUBBELL, LEE</td>
</tr>
<tr>
<td>24</td>
<td>REIDNER, AET</td>
</tr>
<tr>
<td>13</td>
<td>Harold Cole</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lawrence Kettner</td>
<td>Terry, Montana</td>
<td>Ira C. Bond</td>
<td>Terry, Montana</td>
</tr>
</tbody>
</table>

Date Started: May 24, 1960
Date Completed: 5/15/60

Location: Sec. 6 T. 14 R. 47 §4 sec. 854

Type of well: Drilled
Equipment used: Cable

Water use: Stock

Casing: Surface 106 ft. Type steel Size 4

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 116 to ft. 136 Ft. to ft.

Type of screen or perforations: burned holes

Static Water level, for non-flowing well: 12 5'

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

Pumping water level 110 feet at 7 gal. per min.

How tested: bailed

Length of test: 2 hours

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

(over)
## Log of Well

<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>34</td>
</tr>
<tr>
<td>34</td>
<td>36</td>
</tr>
<tr>
<td>36</td>
<td>45</td>
</tr>
<tr>
<td>45</td>
<td>52</td>
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<tr>
<td>52</td>
<td>98</td>
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<tr>
<td>98</td>
<td>103</td>
</tr>
<tr>
<td>103</td>
<td>116</td>
</tr>
<tr>
<td>116</td>
<td>136</td>
</tr>
<tr>
<td>136</td>
<td>146</td>
</tr>
<tr>
<td>Field</td>
<td>Information</td>
</tr>
<tr>
<td>-------------------------------------------</td>
<td>------------------------------</td>
</tr>
<tr>
<td>Owner</td>
<td>Robert Reiman</td>
</tr>
<tr>
<td>Address</td>
<td>Terry, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Ira O. Bond</td>
</tr>
<tr>
<td>Address</td>
<td>Terry, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 17, 1958</td>
</tr>
<tr>
<td>Date Completed</td>
<td>May 22, 1958</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 5, T. 34, R. 47, NW 1/4 of the SE 1/4</td>
</tr>
<tr>
<td>Type of well</td>
<td>(bored, drilled, or bored)</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Cable tool</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic □, Municipal □, Stock □, Irrigation □</td>
</tr>
<tr>
<td>Industrial □, Drainage □, Other: □</td>
<td></td>
</tr>
<tr>
<td>Casing: 0 ft. to 205 ft. Type: Steel □, Size: 4 inches</td>
<td></td>
</tr>
<tr>
<td>Casing: 205 ft. to ft. Type: □, Size: □</td>
<td></td>
</tr>
<tr>
<td>Casing: ft. to ft. Type: □, Size: □</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened: Ft. 159 to Ft. 107 Ft. □ to Ft. □</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations: 5/16 in. holes out three in. apart with torch</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>170 feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>Lb./sq. in. on: □ (date)</td>
</tr>
<tr>
<td>Pumping water level: 190 feet at □ gal. per min.</td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>with bailer</td>
</tr>
<tr>
<td>Length of test:</td>
<td>one hour</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>26</td>
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<td>98</td>
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<td>134</td>
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</tr>
<tr>
<td>190</td>
<td>196</td>
</tr>
<tr>
<td>196</td>
<td>205</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: Robert Reukauf  Address: Terry, Montana
Driller: Ira C. Bond  Address: Terry, Montana
Date Started: March 10  Date Completed: 3-15-58
Location: Sec. 24  T. 14  R. 47  S.W. 1/4

Type of well: Drilled  Equipment used: Cable tool
Water use: Domestic [ ]  Municipal [ ]  Stock [X]  Irrigation [ ]
Industrial [ ]  Drainage [ ]  Other: 

Casing: Surface ft. to 205 ft. Type Steel  Size 4"
Casing: ft. to ft. Type  Size
Casing: ft. to ft. Type  Size

Perforated or Screened: Ft. 189 to Ft. 198 to Ft. 168
Type of screen or perforations: burned holes 5/16"

Static Water level, for non-flowing well: feet.
Shut-In pressure, for flowing well: lb./sq. in. on: (date)
Pumping water level: feet at gal. per min. 10

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

(over)
## Log of Well

<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>24</td>
</tr>
<tr>
<td>24</td>
<td>26</td>
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<td>56</td>
<td>74</td>
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<tr>
<td>190</td>
<td>195</td>
</tr>
<tr>
<td>195</td>
<td>205</td>
</tr>
</tbody>
</table>
Prairie County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

Owner: Robert Reukauf
Address: Terry, Montana

Date well started: 7/26/72
Completed: 7/28/72
Type of well: Drilled
Equipment used: Cable tool

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Depth of Openings</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6(\frac{1}{4})&quot;</td>
<td>plastic</td>
<td>0</td>
<td>98</td>
<td>1/16</td>
</tr>
</tbody>
</table>

Static water level: 90 ft
Pumping water level: 90 ft
at gallons per minute measured minutes after pumping began.

*Measured from ground level.

Well developed by: Driller
for: hours.
Power: Pump: HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: Robert C. Boyd
Driller's Address: Terry, Montana

License No.: 51,333
Show exact depth of bottom: 98
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Herald Cole
(Trial of Appropriator) of Terry
(Town)

County of Chouteau
State of Montana

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

2. The beneficial use on which the claim is based:
   \[\text{Irrigation} \]

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   \[\text{Jan 1, 1964} \]

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   \[10 \text{ gallons per minute} \]

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:
   \[\text{None} \]

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   \[\text{None} \]

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   \[\text{Completed 1960} \]

8. The depth of water table:
   \[147 \text{ feet} \]

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:
   \[\text{Drilled - 6 inches casing - 160 feet} \]

10. The estimated amount of groundwater withdrawn each year:
    \[317,500 \text{ gallons} \]

11. The log of formations encountered in the drilling of each well if available:
    \[\text{Not Available} \]

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:
    \[\text{None} \]

Signature of Owner: 
Herald Cole
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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Isabel McLeod
   (Name of Appropitator)

   County of Prairie
   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 is use of pumped well water for stock water.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been since the summer of 1926. Since that date the use of the well for stock water has been continuous.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) is eight (8) gallons per minute, to a total of approximately 1000 gallons per day.

   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 irrigation.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal through 2 inch pipe in a 4 inch cylinder, with a pump and gas engine located in the NE1/4 of Section 14, Township 14 North, Range 47 East, M.P.M.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. The well was commenced and completed in the summer of 1926.

   8. The depth of water table 80 feet below the surface.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Drilled well with 8 inch casing. There is a 4 inch cylinder containing 2 inch pipe drilled to approximately 80 feet below the surface, with a pump and gas engine attached.

   10. The estimated amount of groundwater withdrawn each year. Approximately 365,000 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.

   Signature of Owner

   NOTARY PUBLIC, State of Montana
   Residing at Billings, Montana
   
   Date: 3-28-62

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

Owner: M. G. Devlin  Address: Terry, Montana
Driller: Ira G. Pond  Address: Terry, Montana

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

Type of well: Drilled  Equipment Used: Cable
(dug, driven, bored or churn, drill, rotary or other)

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

160 feet total depth of well

---

### PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8</td>
<td>Plastic</td>
<td>surface 160</td>
<td>1 1/2</td>
<td>drilled 142 158</td>
</tr>
</tbody>
</table>

### 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.

- 17 feet of Surface casing was used to ease off the quick sand

- Driller's License Number

- Driller's Signature

---

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

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

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

---
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Lee Huding
Address: Terry, Mont.

Driller: Joe Johnson
Address: Terry, Mont.

Date of Notice of Appropriation of Groundwater: 8/8/67
Date Completed: 8/11/67

Type of well: Drilled
Equipment Used: Rotary

Water Use: Domestic X Municipal O Other Q Irrigation X
Industrial O Drainage O Stock X

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>Rise of Drilled Hole</th>
<th>Name and Weight of Core</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>REMARKS</th>
</tr>
</thead>
<tbody>
<tr>
<td>155-185 Gray Sand</td>
<td>5' 9/16</td>
<td>0'</td>
<td>197'</td>
<td></td>
</tr>
<tr>
<td>185-197 Gray Sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 180 feet.
Shut-in Pressure for Flowing Well: 8.5 feet per minute.
Pumping Water Level: 140 feet at 8 gal. per minute.
Discharge in gal. per min. of flowing well: 18.

How Tested: Static
Length of Test: 2 hrs.

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.

WELL HAS
ALOT OF GAS WHICH MAKES WATER MUDY.

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.

42, 247
## MONTANA BUREAU OF MINES AND GEOLOGY

### WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Art. Renkaufer</th>
<th>Address</th>
<th>Terry, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>T. A. Aboud</td>
<td>Address</td>
<td>Terry, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>September 29, 1961</td>
<td>Date Completed</td>
<td>October 5, 1961</td>
</tr>
</tbody>
</table>

**Location:** Sec. 26, T. 47, R. 17, W. 6.2

**Type of Well:** Drilled

**Equipment used:** Cable-tool

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

**Industrial [ ] Drainage [ ] Other [ ]**

**Casing:** 0 ft. to 92 ft. Type Steel Size 4 in.

**Date Started: September 29, 1961**

**Date Completed: October 5, 1961**

**Location:** Sec. 26, T. 47, R. 17, W. 6.2

**Type of Well:** Drilled

**Equipment used:** Cable-tool

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

**Industrial [ ] Drainage [ ] Other [ ]**

**Casing:** 0 ft. to 92 ft. Type Steel Size 4 in.

**Casing:** 0 ft. to 92 ft. Type Steel Size 4 in.

**Casing:** 0 ft. to 92 ft. Type Steel Size 4 in.

**Perforated or Screened:** Ft. 76 to Ft. 83

**Type of Screen or Perforations:** 5/15 in. holes cut three in. apart with torch

**Static Water level, for non-flowing well:** 60 ft. down to 973 feet

**Shut-in pressure, for flowing well:** 20 lb. per sq. in. on:

**Pumping water level:** 60 feet at 5 gal. per min.

**How tested:** With bulter

**Length of test:** For one 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>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>2</td>
<td>26</td>
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<tr>
<td>26</td>
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<td>64</td>
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<td>72</td>
<td>76</td>
</tr>
<tr>
<td>76</td>
<td>80</td>
</tr>
<tr>
<td>88</td>
<td>92</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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

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

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

Owner: Harold Cole
Address: Terry, Montana

File: 945-10

Date well started: 1/1/72
Date well completed: 1/1/72

Type of well drilled: (Dug, driven, drilled, etc.)

Equipment used: (Hand, bail, pump, etc.)

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

*Describe

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

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size and Weight of Gravel</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deal</td>
<td>(Feet)</td>
<td>evin</td>
</tr>
<tr>
<td>6&quot;</td>
<td>4&quot; pleco</td>
<td>144</td>
</tr>
</tbody>
</table>

Static water level: 30 ft.
Pumping water level: 138 ft.

4 gallons per minute measured 5 minutes after pumping began.

*Measured from ground level.

Well developed by (pumper) for 4 hours.

Power: 1.5 HP

Remarks: (Gravel packing, cementing, etc.)

Travel packed

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

Driller's Signature: __________
Driller's Address: _______ ________

LICENSE NO. 37

COUNTY: ______
DRILLER'S LOG

FEB 7 1973

DEPARTMENT OF REVENUE AND COMMERCE
DIRECTOR OF THE DEPARTMENT OF REVENUE AND COMMERCE
LICENSE NO. 27368
94510
Staten Island

Herbert Cole

To
The Public

FILED

of 10-9-00, 6:11 P.M.

June 5, 1913

Wm. L. H. A.