<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft.</td>
<td>Topsoil</td>
</tr>
<tr>
<td>1 ft.</td>
<td>Brown Sandy Shale</td>
</tr>
<tr>
<td>10 ft.</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>43 ft.</td>
<td>Soft Sand Rock</td>
</tr>
<tr>
<td>53&quot;</td>
<td>Gray Sandy Shale</td>
</tr>
<tr>
<td>132&quot;</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>140&quot;</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>150&quot;</td>
<td>Gray Shale</td>
</tr>
</tbody>
</table>
**Montana Bureau of Mines and Geology**

**Water Well Log**

**Owner:** Fred C. Plath  
**Address:** Shephardmont

**Driller:** Jerry Johnson  
**Address:** Philipsburg

**Date Started:** June 23, 1957  
**Date Completed:** June 27, 1957

**Location:** Sec. 14, T. 4N, R. 28E, 1 sec. W. T. 4

---

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Drilled (gripped, or drilled)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Casing:</td>
<td>11 ft. to 16 ft. Type:</td>
</tr>
<tr>
<td></td>
<td>16 ft. to 157 ft. Type:</td>
</tr>
<tr>
<td>Perforated or screened:</td>
<td>From</td>
</tr>
<tr>
<td>Type of Screen or Perforations:</td>
<td>Factory</td>
</tr>
<tr>
<td>Static Water Level, for non-flowing well:</td>
<td>feet.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
</tr>
<tr>
<td>Pumping Water Level:</td>
<td>feet at gal. per min.</td>
</tr>
<tr>
<td>How Tested:</td>
<td>Borehole</td>
</tr>
<tr>
<td>Length of Test:</td>
<td>feet</td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft</td>
<td>1 ft</td>
<td>Top</td>
<td>soil</td>
</tr>
<tr>
<td>1 ft</td>
<td>7 ft</td>
<td>Brown sandy shale</td>
<td></td>
</tr>
<tr>
<td>7 ft</td>
<td>11 ft</td>
<td>Gray shale</td>
<td></td>
</tr>
<tr>
<td>11 ft</td>
<td>43 ft</td>
<td>Limestone</td>
<td></td>
</tr>
<tr>
<td>43 ft</td>
<td>53 ft</td>
<td>Coal bed</td>
<td></td>
</tr>
<tr>
<td>53 ft</td>
<td>153 ft</td>
<td>Clayey-limestone</td>
<td></td>
</tr>
<tr>
<td>153 ft</td>
<td>184 ft</td>
<td>Blue shale</td>
<td></td>
</tr>
<tr>
<td>184 ft</td>
<td>156 ft</td>
<td>Coal bed</td>
<td></td>
</tr>
<tr>
<td>156 ft</td>
<td></td>
<td>Limestone</td>
<td></td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
<td>Type of Form</td>
<td>County File No.</td>
</tr>
<tr>
<td>------</td>
<td>------------------------</td>
<td>--------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>6</td>
<td>Brown, John C.</td>
<td>GW-4</td>
<td>720406</td>
</tr>
<tr>
<td>10</td>
<td>Platte, Fred C.</td>
<td>GW-2</td>
<td>187135-3</td>
</tr>
<tr>
<td>12</td>
<td>Talcott, W. D.</td>
<td>GW-4</td>
<td>195254-9</td>
</tr>
<tr>
<td>16</td>
<td>Brown, John C.</td>
<td>GW-4</td>
<td>720418-9</td>
</tr>
<tr>
<td>17</td>
<td>Brown, John C.</td>
<td>GW-4</td>
<td>720427</td>
</tr>
<tr>
<td>18</td>
<td>Kincaid, Ray</td>
<td>GW-3</td>
<td>94101-11</td>
</tr>
<tr>
<td>50</td>
<td>Platte, Fred C.</td>
<td>GW-4</td>
<td>1451511-10</td>
</tr>
<tr>
<td>50</td>
<td>Platte, Fred C.</td>
<td>GW-4</td>
<td>1927511-10</td>
</tr>
<tr>
<td>23</td>
<td>Schaefer, Mary W.</td>
<td>GW-3</td>
<td>720556-6</td>
</tr>
<tr>
<td>26</td>
<td>Schaefer, Mary W.</td>
<td>GW-4</td>
<td>770523</td>
</tr>
<tr>
<td>25</td>
<td>Brown, John C.</td>
<td>GW-4</td>
<td>720438</td>
</tr>
<tr>
<td>30</td>
<td>Brown &amp; Son, Inc.</td>
<td>GW-4</td>
<td>76580-10</td>
</tr>
<tr>
<td>33</td>
<td>Brown, John C.</td>
<td>GW-4</td>
<td>720448</td>
</tr>
<tr>
<td>34</td>
<td>Talcott, W. D.</td>
<td>GW-4</td>
<td>195555-0</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. **John C. Brown** of **Wooden**
   
   County of **Yellowstone** State of **Montana**
   
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1952, as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **June 1953 - Continuous**

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **No**

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **Windmill, Gas Engine**

   7. The date of commencement and completion of the construction of the well, wells, or other works: **June 1953**

   8. The depth of water table: **30 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: **Dug Well, 6 ft. casing, Depth of Well: 60 ft.**

   10. The estimated amount of groundwater withdrawn each year: **648,000**

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

   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: ____________________________

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.
<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>T. 4N R. 19E</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Yellowstone</td>
</tr>
</tbody>
</table>

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

**Owner**: Fred C. Platt  
**Address**:  

**Driller**:  
**Address**:  

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

**Location**: Sec. 10 T. 4N R. 19E 1/4 sec. N4E  

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

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

- Industrial  
- Drainage  
- Other  

**Casing**:  
- [ ] ft. to 2 ft.  
- [ ] ft. to 4 ft.  
- [ ] ft. to 6 ft.  
- [ ] ft. to 8 ft.  

**Type**:  
**Size**:

**Perforated or screened**:  
- [ ] ft. to [ ] ft.  
- [ ] ft. to [ ] ft.  

**Type of screen or perforations**:  

**Static water level, for non-flowing well**: 20 feet  

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

**Pumping water level**: 20 feet at [ ] gal. per min.  

**How tested**:  
**Length of test**:  

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

(over)
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Mr. D. Tollett  Address: Bozeman, Mont.
Driller: Chris Hadland  Address: Cupertino, Mont.

Date of Notice of Appropriation of Groundwater:
Date well started: May 4, 1962  Date Completed: May 21, 1962

Type of well: Drilled  Equipment Used: Driller
(Dug, 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.

<table>
<thead>
<tr>
<th>Soil and Type of Casing</th>
<th>Size of Well in Diam.</th>
<th>Size and Weight of Casing</th>
<th>Feet Below</th>
<th>To Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8 In.</td>
<td>12 Ft.</td>
<td>1 1/8 x 145</td>
<td>180</td>
<td>200</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 75 ft. from top
Shut-in Pressure for Flowing Well
Pumping Water Level: 109 ft. at 3 gal. per minute
Discharge in gal. per min. of flowing well

How Tested:  Bailing  Length of Test: Time-based

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if no. at well, and any other pertinent information, including number of acres irrigated, if used for irrigation)

Driller's License Number: Chris Hadland
Driller's Signature: Chris Hadland

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, 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. W. D. Talcott, of Warden, Montana
   County of Yellowstone, State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1948—Steady

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: not known

8. The depth of water table: 150 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: 150 feet deep with 6 in. casing

10. The estimated amount of groundwater withdrawn each year: not known

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 available

Signature of Owner: W. D. Talcott
Date: 6-1-62

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 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. JOHN C. BROWN, of Worden, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1933 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 26 PM

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: No

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1933

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: Drilled Well, 6 in. casing, Depth: 230 FT

10. The estimated amount of groundwater withdrawn each year: 259,200

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

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: [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 School of Mines and quadruplicate for the Appropiator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **John C. Brown**                          **Wibden**
   (Name of Appropurator)                     (Address)
   County of **Yellowstone**                  State of **Montana**

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

   ![Diagram](image)

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

   3. Date or approximate date of earliest beneficial use: **July, 1953**
      Continues since then

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): **6 GPM**

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **No**

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1953 - July, 1963**

   8. The depth of water table: **80 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: **Pumped Well, 5 in. casing, depth 130 FT**

   10. The estimated amount of groundwater withdrawn each year: **720,000 GALL**

   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: **None**

   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 School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ray Kinghorn
Address: Sheard, Mont.
Driller: Roy D. Pierce
Address: Billings, Mont.
Date of Notice of Appropriation of Groundwater: 4-9-23-69
Date Completed: 4-9-23-69

Type of Well: Drill
Equipment Used: SHARN

Water Use: Municipal

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: 70 feet.
Shut-in Pressure for flowing Well: 200 feet at 3 gal. per minute.
Pumping Water Level: 50' feet.
Discharge in gal. per min. of flowing well: 1/4'
How Tested: BAILER
Length of Test: 1 Min.
Remarks: (Gravel packing, cementing, packers, type of cutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation).

Driller's License Number: Roy D. Pierce
Driller's Signature: Roy D. Pierce

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.

45641
Form No. 18

8-60

T. 4 N. R. 19 E.

County: Gallatin

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>Fred Clark</td>
<td>Supplementation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jerry Johnson</td>
<td>541 Coal Avenue</td>
</tr>
</tbody>
</table>

Date Started: July 9, 1988
Date Completed: July 15, 1988

Location: Sec. 26 T. 4N R. 19 E 1 sec. NW-1

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Cable tool</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>9 ft. to 8 ft.</th>
<th>Type: sewer pipe</th>
<th>Size: 7&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>26 ft. to 56 ft.</td>
<td>Type: metal</td>
<td>Size: 6&quot;</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
<td>Type:</td>
<td>Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or screened:</th>
<th>26 ft. to 70 ft.</th>
<th>150 ft. to ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of screen or perforations</td>
<td>Factory Perfor.</td>
<td></td>
</tr>
</tbody>
</table>

Static water level, for non-flowing well: 17 ft. from surface feet.
Shut-in pressure, for flowing well: ___________ lb./sq. in. on: _______ ft.

Pumping water level: 180 feet at 4 gal. per min.

How tested: ___________ 

Length of test: ___________ 

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

(over)
<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td></td>
<td>Top Soil</td>
</tr>
<tr>
<td>11</td>
<td>17</td>
<td></td>
<td>Brown Sandy Shale</td>
</tr>
<tr>
<td>20</td>
<td>29</td>
<td></td>
<td>Brown Sandy Rock</td>
</tr>
<tr>
<td>29</td>
<td>63</td>
<td></td>
<td>Dray Sandy Shale</td>
</tr>
<tr>
<td>63</td>
<td>77</td>
<td></td>
<td>Dray Sand Rock</td>
</tr>
<tr>
<td>Water</td>
<td>77</td>
<td></td>
<td>1 gal per min</td>
</tr>
<tr>
<td>83</td>
<td>154</td>
<td></td>
<td>Dray Clay Shale</td>
</tr>
<tr>
<td>154</td>
<td>163</td>
<td></td>
<td>Sand Rock</td>
</tr>
<tr>
<td>Water</td>
<td>163</td>
<td></td>
<td>8 gal per min</td>
</tr>
<tr>
<td>163</td>
<td>198</td>
<td></td>
<td>Dray Shale</td>
</tr>
</tbody>
</table>
# Water Well Log

**Owner:** Fred C. Bliss  
**Address:** Shepherd, Mont.  
**Driller:** Leroy E. Johnson  
**Address:** 941 Cook Ave., Billings  
**Date Started:** June 9, 1958  
**Date Completed:** June 15, 1958  
**Location:** Sec. 20 T. 4N R. 29E  
**County:** Yellowstone

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Cable tools</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Chen drill, rotary, other)</td>
</tr>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>9 ft. to 8 ft.</td>
<td>Type Schedule Pipe</td>
<td>Size 7&quot;</td>
</tr>
<tr>
<td>Casing:</td>
<td>207 ft. to 206 ft.</td>
<td>Type Schedule Pipe</td>
<td>Size 6&quot;</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>36 ft. to 70 ft.</td>
<td>Factory Perf.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td>Factory Perf.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>45 ft. from surface</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>180 ft. feet at</td>
<td></td>
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<tr>
<td>How tested:</td>
<td>Bailer</td>
<td></td>
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<td>Length of test:</td>
<td>2 hrs.</td>
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<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
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</tbody>
</table>

(over)
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

1. Mary W. Scothen.............. of Alderson Billings
   (Name of Appropriator)        (Address) (Town)
County of Yellowstone 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. The name of land to which water has been applied
   NO

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

5. The date of commencement and completion of the construction of the well
   Nov. 1946

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Nov. 1946

8. The depth of water table
   200 FT

9. The type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   DRILLED WELL, CEMENTED

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

11. The log of formations encountered in the drilling of each well
    SANDY CLAY, SHALE, HARD ROCK

12. Such other information of a similar nature as may be useful in carrying out the policy of this act
    SUGGESTED

Signature of Owner

Mary W. Scothen

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.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
<th>Water flow per min.</th>
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<tr>
<td>0 ft - 1 ft</td>
<td>Topsoil</td>
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<tr>
<td>1&quot; - 20&quot;</td>
<td>Brown Sandy Shale</td>
<td></td>
</tr>
<tr>
<td>20&quot; - 76&quot;</td>
<td>Brown Sand Rock</td>
<td></td>
</tr>
<tr>
<td>70&quot; - 83&quot;</td>
<td>Gray Sandy Shale</td>
<td></td>
</tr>
<tr>
<td>83&quot; - 154&quot;</td>
<td>Gray Sticky Shale</td>
<td>3 gal. per min.</td>
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<tr>
<td>154&quot; - 163&quot;</td>
<td>Sand Rock</td>
<td></td>
</tr>
<tr>
<td>163&quot; - 192&quot;</td>
<td>Gray Shale</td>
<td></td>
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</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. MARY W. SCOTT turn, of 381 ANDERSON BILLINGS
   (Name of Appropriator) (Address) (Town)
   County of YELLOWSTONE 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
   Stock Water, House Use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   Since then 1913, Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1. GPM

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   No

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

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

8. The depth of water table
   160 PT

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, 6' in Casing, Depth 210 FT

10. The estimated amount of groundwater withdrawn each year
    432,880

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
    No

Signature of Owner

Mary W. Scottturn

Date DEC 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 School of Mines and Quadruplicate for the Appropriator.
July 25, 1905

In the name of the State of Montana

By permission of the Board of County Commissioners, this declaration of a water right is made.

Typed in my office at Three Forks, Montana, this 25th day of July, 1905.

[Signature]

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

1. **John C. Brown**
   - **(Name of Appropriator)**
   - **Worden**
   - **(Address)**
   - **County of Yellowstone**
   - **State of Montana**

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

   2. The beneficial use on which the claim is based
      - **Stock Water**

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      - Oct 1952
      - Continuous since then

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
      - No

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

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

   8. The depth of water table
      - 4 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
      - Hand Pump, Inch casing, Depth 13 ft

   10. The estimated amount of groundwater withdrawn each year
       - 1,728,000 gallons

   11. The log of formations encountered in the drilling of each well if available
       - Sandy Diatry Sand and Gravel

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

   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.
## Declaration of Vested Groundwater Rights

(Under Chapter 21, Montana Session Laws, 1965)

1. Bureau of Land Management

<table>
<thead>
<tr>
<th>Bureau of Land Management</th>
<th>3310 6th Ave. North</th>
<th>Billings</th>
</tr>
</thead>
<tbody>
<tr>
<td>County of:</td>
<td></td>
<td>State of:</td>
</tr>
<tr>
<td>Yellowstone</td>
<td></td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

   *Reclamation and water for wildlife*

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

   1940 with continuous use to present date

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.

   **West End Irrigation District**

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

   **Well 1**

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

   **Date of commencement unknown, date of completion 1940**

8. The depth of water table.

   70 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.

   *Depths: 60 feet*
   *Casing sizes: 4"*
   *Types: Shallow and wildlife water well*

10. The estimated amount of groundwater withdrawn each year.

    144,000 gallons per year

11. The kind 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.

   **Bureau of Land Management**
   **By (Signature) District Manager**

Date: 9/24/65

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
1. **John C. Brown**  
   (Name of Appropriator)  
   **Wooden**  
   (Address)  
   **Yellowstone**  
   (Town)  
   County of **Yellowstone**  
   State of **Montana**  
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been, **November 1951 Continuously Since Then**

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
   **No**

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

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

8. The depth of water table  
   **170 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  
   **DUG WELL 800 FT**

10. The estimated amount of groundwater withdrawn each year  
    **1,728,000 GALLONS**

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

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

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

1. W. D. Talcott, of Worden, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

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

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

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

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

   8. The depth of water table: 150 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: 170 feet deep with 6 in. casing.

   10. The estimated amount of groundwater withdrawn each year: not known.

   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 available.

Signature of Owner: W. D. Talcott
Date: 6-1-62

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 Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>GW-14</td>
<td>675209</td>
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<td>35</td>
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<td>676207</td>
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</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1943—steady

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: not used

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Spring of 1943

8. The depth of water table: 130 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: 145 feet--6 in. casing

10. The estimated amount of groundwater withdrawn each year: not known

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 available

Signature of Owner: C. E. Talcott
Date: May 28, 1943

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

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

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

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

1. C. E. Talcott, of Ballantyne, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

- Date or approximate date of earliest beneficial use: 1942

- Continuous the use has been: steady

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

- 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

- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: windmill and stationary engine

- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Spring of 1942

- The depth of water table: 130 feet

- 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: 140 feet—6 in. casing

- The estimated amount of groundwater withdrawn each year: not known

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

- 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 available

Signature of Owner: C. E. Talcott
Date: May 25, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
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<th>Remarks</th>
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<td>GWY</td>
<td>765469</td>
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<td>709132</td>
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</table>
Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

   (Name of Appraocher) (Address)

   County of Yellowstone 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

   Stockwater and water for wildlife

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

   5/30 with continuous use to present date

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

   Not used for irrigation

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

   Madison

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

   5/30 commencement date, 5/30 completion date

8. The depth of water table

   50 feet

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

   Depth: 50 feet

   Casing Size: 6"

   Type: Stock and wildlife water well

10. The estimated amount of groundwater withdrawn each year

    144,000 gallons per year

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

    None

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

    None

By

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.
Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. Bureau of Land Management of 3310 4th Avenue North Billings
   (Name of Appropriate) (Address) (Town)
   County of Yellowstone State of Montana

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

2. The beneficial use on which the claim is based:
   stockwater and water for wildlife

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   4-19-56 with continuous use to present date

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:
   not used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   started 1-19-36, completed 4-19-36

8. The depth of water table 260 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   Depth: 260 feet
   Casing Size: 6 inches
   Type: Stock and wildlife water well

10. The estimated amount of groundwater withdrawn each year: 144,000 gallons per 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:

   Bureau of Land Management
   By
   Dante Solarz - District Manager
   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.
**Declaration of Vested Groundwater Rights**

(Under Chapter 21, Montana Session Laws, 1965)

1. **Name of Appropriator**: (Name of Appropriate) (Address) (Town) (County of ________________ State of ________________)

   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:

   **stockwater and water for wildlife**

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

   **1960 with continuous use to present date**

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 not used for irrigation.

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

   **windmill**

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

   **started 1960, completed 1964**

8. The depth of water table.

   **60 feet**

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

   **Borehole, 170 feet; Cutting Blanks: 9”; Type: Stock and wildlife water well.**

10. The estimated amount of groundwater withdrawn each year.

    **106,000 gallons per year**

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

    **None**

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

    **None**

   **Bureau of Land Management**

   **[Signature]**

   **District Manager**

   **Date: October 4, 1965**

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines 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. [Name of Appropriator] (Address) (Town) have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based

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: [Name]
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 School of Mines and quadruplicate for the Appropriator.
 Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Keller Land & Cattle Co., of Wray, Greeley County, 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
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7 gal per min

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

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

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: 45 ft from top

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

Declaration of Vested Groundwater Rights
(Under Chapter 297, Montana Session Laws, 1961)

STATE ENGINEER

File No. County: Yellowstone

Bisbee, LeRoy W., of Bisbee, State of Montana

1. The following are the circumstances under which the claim is based:
2. The beneficial use on which the claim is based: watering stock
3. Date or approximate date of earlies beneficial use; and how continuous the use has been: 1953
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 4 gal. per min.
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Windmill and jet motor
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: 115 ft. from top
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: Boring 180 ft. deep
   33 ft. 2" pipe, 1/4" wooden rod, cylinder size 112 x 84
10. The estimated amount of groundwater withdrawn each year: 399,000
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: Bisbee, LeRoy W.
Date: Dec 19, 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 School of Mines and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Drilling

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Wesley W. Fishburn
Address: 23820, Missoula, Mont.

Driller: Orville A. Friedle
Address: Missoula, Mont.

Date of Notice of Appropriation of Groundwater: May 26, 1961
Date well started: June 16, 1961
Date completed: June 28, 1961

Type of well: Drilled
Equipment Used: Driller

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>8&quot;-1/4&quot; Steel</td>
<td>0'</td>
<td>6'</td>
<td>metal with cutting tool</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7&quot;-5/8&quot; Steel</td>
<td></td>
<td>0'</td>
<td>6'</td>
<td>metal with cutting tool</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 36 feet
Shut-in Pressure for Flowing Well: NONE Flowing
Pumping Water Level: 42 feet at 20 gal. per minute.
Discharge in gal. per min. of flowing well: NONE Flowing
How Tested: Bailed
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)

8" Steel Casing from 0' - 56' - 62'.
7" Steel Casing from 0' - 68', perforated from 56' - 62'.

Remain: Casing out 10 5

Driller's License Number: Orville A. Friedle
Driller's Signature: Orville A. Friedle

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.

4834
STATE OF MONTANA, JU
County of Yellowstone,

This instrument was filed in my office
the 26th day of June, 1963,
at 10 O'Clock A. M.

F. M. Redding,
County Clerk & Recorder

By: ______________________
Deputy

[Signature]
# GROUNDWATER INDEX

<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>Bost, John</td>
<td>GWY</td>
<td>721225</td>
<td></td>
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<tr>
<td>2</td>
<td>Bost, John</td>
<td>GWY</td>
<td>721227</td>
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<td>3</td>
<td>Randall, James</td>
<td>GWY</td>
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<td>4</td>
<td>Mcintyre, Charles P.</td>
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<td>5</td>
<td>Gottschall, John M.</td>
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<td>6</td>
<td>Keller Land &amp; Cattle Co</td>
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<td>Keller Land &amp; Cattle Co</td>
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<td></td>
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<td>9</td>
<td>Grammer, Rose</td>
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<td>10</td>
<td>Russ, James</td>
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<td>720011</td>
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<td>11</td>
<td>Kempf, John</td>
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<td>Barrown, Arvis O.</td>
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<td>13</td>
<td>Grammer, Rose</td>
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<td>14</td>
<td>Grammer, Rose</td>
<td>GWY</td>
<td>721141</td>
<td></td>
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<td>15</td>
<td>Kempf, John</td>
<td>GWY</td>
<td>721020</td>
<td></td>
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<td>16</td>
<td>Kempf, John</td>
<td>GWY</td>
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<td></td>
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<td>17</td>
<td>Van Den Eas, Fralie</td>
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<td>18</td>
<td>Keller Land &amp; Cattle Co</td>
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<td>19</td>
<td>John, Albert (Estate)</td>
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<td>20</td>
<td>Keller Land &amp; Cattle Co</td>
<td>GWY</td>
<td>721050</td>
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</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

John Bott
(Name of Appropriator) (Address) (Town)

County of Yellowstone, 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. 1957

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

5. If used for irrigation, give the acresage 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. 1957

8. The depth of water table. 110 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.

10. The estimated amount of groundwater withdrawn each year. N. Geo.

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: 12.30.63

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

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

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

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

1. John boiled, of WSC, 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.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. James Randall
   (Name of Appropriator) 301 N. 14th, Billings, Montana
   (Address) Billings (Town)

   County of Yellowstone  State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   =4-7-1959  continually

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:
   =

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

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
   = 245 feet

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

10. The estimated amount of groundwater withdrawn each year
    = 3000 gallons

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

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

Signature of Owner James Randall
Date: December 27, 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 & 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: Charles P. K. Address: Warden, Montana
Driller: Chris Holland Address: Custer, Montana

Date of Notice of Appropriation of Groundwater
Date well started
Date Completed
Type of Well: Drilled Equipment Used: Spudder
(done: drilled, bored or churn, 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.

<table>
<thead>
<tr>
<th>Strata</th>
<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>Grey sandstone</td>
<td>6 5/8&quot; 6 5/8&quot;</td>
<td>5% of OD, top 5% of OD, bottom</td>
<td>32&quot;</td>
<td>150²</td>
<td></td>
</tr>
<tr>
<td></td>
<td>5 5/8&quot;</td>
<td>1 1/8&quot; x 3/4&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 48 feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 200 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: Time bailing Length of Test: 30 min.
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation).

This 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; triplicite to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.

[Diagram]

Show exact depth of bottom.

Driller's License Number
Driller's Signature

[Signature]
Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. **John M. Botschall**, of **Star Route, Worden**, have appropriated groundwater according to the Montana laws, in effect prior to January 1, 1962, as follows:

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

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **Sept. 10, 1960 to Sept. 16, 1960**

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:

10. The estimated amount of groundwater withdrawn each year: **125,000 gal.**

11. The log of formations encountered in the drilling of each well if available: 0 ft. **Surface Soil**

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: **John M. Botschall**

Date: **Dec. 27, 1965**

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines 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. [Name of Appropriator] (Address)
   County of [County] State of [State]

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
   [description]

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

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

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
   [description]

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

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

8. The depth of water table
   [depth]

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
   [description]

10. The estimated amount of groundwater withdrawn each year
    [amount]

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

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
    [description]

Signature of Owner: [Name]
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 School of Mines and Quadruplicate for the Appropriator.