<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 11</td>
<td>Soil Sandy</td>
</tr>
<tr>
<td>11 - 24</td>
<td>Gray Clay</td>
</tr>
<tr>
<td>24 - 28</td>
<td>Brown Sandstone</td>
</tr>
<tr>
<td>28 - 36</td>
<td>Hard Gray Sandstone (2 gal. per min.)</td>
</tr>
<tr>
<td>36 - 48</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>48 - 59</td>
<td>Brown Shale</td>
</tr>
<tr>
<td>59 - 62</td>
<td>Hard Gray Sandstone</td>
</tr>
<tr>
<td>62 - 64</td>
<td>Gray Sandstone (8 gal. per min.)</td>
</tr>
<tr>
<td>64 - 70</td>
<td>Gray Shale</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: Mr. Paul Fajati  Address: Red Lodge, Mont.
Driller: B & H Drilling  Address: Fishtail, Mont.
Date Started: 5/26/60  Date Completed: 6/5/60

Location: Sec. 32  T. 7 S.  R. 20 E.  34 sec. SE

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Churn Drill</td>
</tr>
</tbody>
</table>

Water use: Domestic [X]  Municipal [ ]  Stock [ ]  Irrigation [ ]
Industrial [ ]  Drainage [ ]  Other: [ ]

Type of screen or perforations: [ ]
Static Water level, for non-flowing well: [ ] feet.
Shut-in pressure, for flowing well: [ ] lb./sq. in. on: [ ] (date)
Pumping water level: 230 feet at 3 gal. per min.

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

The last 20 feet of this well was very hard and had a lot of Chert in it.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 4</td>
<td>Top Soil</td>
</tr>
<tr>
<td>4 - 26</td>
<td>Brown Sandy Soil</td>
</tr>
<tr>
<td>26 - 45</td>
<td>Sand Gravel Rocks</td>
</tr>
<tr>
<td>45 - 47</td>
<td>Red Sandy Shale</td>
</tr>
<tr>
<td>47 - 128</td>
<td>Brown Sandstone</td>
</tr>
<tr>
<td>128 - 132</td>
<td>Gray Sandstone</td>
</tr>
<tr>
<td>132 - 158</td>
<td>Gray Very Hard Sandstone</td>
</tr>
<tr>
<td>158 - 162</td>
<td>Red Shale</td>
</tr>
<tr>
<td>162 - 184</td>
<td>Gray Sandstone Hard</td>
</tr>
<tr>
<td>184 - 186</td>
<td>Brown Sandstone (1 gal. per min.)</td>
</tr>
<tr>
<td>186 - 218</td>
<td>Gray Sandstone (hard)</td>
</tr>
<tr>
<td>218 - 223</td>
<td>Light Buff Sandstone (2 gal per min.)</td>
</tr>
<tr>
<td>223 - 247</td>
<td>Very hard Light Gray Sandstone</td>
</tr>
</tbody>
</table>

Log of Well
Owner: Dr. Morledge  Address: Red Lodge, Mont.
Driller: P & H Drilling  Address: Fisktail, Mont.
Date Started: 6/9/60  Date Completed: 6/14/60
Location: Sec. 32  T. 7 S.  R20  E. 1/4  sec. NW

Type of well: Drilled
Equipment used: Churn Drill

Water use: Domestic ☑  Municipal ☐  Stock ☐  Irrigation ☐

Industrial ☐  Drainage ☐  Other: ____________________________

Casing: 0 ft. to 46 ft.  Type: Black  Size: 6 In.
Casing: 0 ft. to 130 ft.  Type: 20 gauge galv  Size: 5 In.
Casing: ______ ft. to ______ ft.  Type: ______  Size: ______

Perforated or Screened: Ft. 64 to 87  Ft. 118 to 121

Type of screen or perforations: ____________________________

Static Water level, for non-flowing well: ______ feet.
Shut-in pressure, for flowing well: _________________________ lb./sq. in. on: (date)
Pumping water level: 12 1/4 feet at 8 gal. per min.

How tested: Bailer
Length of test: 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>0</td>
<td>Sand, Gravel</td>
</tr>
<tr>
<td>4</td>
<td>Sandy Soil</td>
</tr>
<tr>
<td>31</td>
<td>Gravel, Sand</td>
</tr>
<tr>
<td>34</td>
<td>Brown Clay</td>
</tr>
<tr>
<td>42</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>48</td>
<td>Brown Shale</td>
</tr>
<tr>
<td>63</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>66</td>
<td>Gray Sandstone (1 gal. per min.)</td>
</tr>
<tr>
<td>86</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>116</td>
<td>Gray Sandstone</td>
</tr>
<tr>
<td>122</td>
<td>Brown Shale and Sandstone</td>
</tr>
<tr>
<td>129</td>
<td>Coal</td>
</tr>
</tbody>
</table>
**Montana Bureau of Mines and Geology**  
Butte, Montana

## Water Well Log

**Lawson Well**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td>Lawson</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Red Lodge, Mont.</td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td>B &amp; H Drilling</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Fishtail, Mont.</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>5/25/60</td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
<td>5/25/60</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Sec. 32, T. 7 S. R. 20 E. sec. SW</td>
</tr>
</tbody>
</table>

- **Type of well**: Drilled  
- **Equipment used**: Churn Drill

- **Water use**: Domestic [X]  
- **Type of screen or perforations**: Perforated or Screened: Ft. 38 to Ft. 35

- **Casing**: 0 ft. to 2½ ft. Type Black Iron, Size 6 in.
- **Casing**: 6 ft. to 4½ ft. Type 20 gauge galv., Size 5 in.
- **Casing**: N/A to N/A ft. Type N/A

- **Perforated or Screened**: Ft. 38 to Ft. 35

- **Static Water level, for non-flowing well**: 5 ft.
- **Shut-in pressure, for flowing well**: N/A

- **Pumping water level**: 40 feet at 15 gal. per min.
- **How tested**: Bailer
- **Length of test**: One Hour
- **Remarks**: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Set heavy casing Shale 4 feet got a good seal.

---

(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>4</td>
</tr>
<tr>
<td>4</td>
<td>16</td>
</tr>
<tr>
<td>16</td>
<td>19</td>
</tr>
<tr>
<td>19</td>
<td>26</td>
</tr>
<tr>
<td>26</td>
<td>34</td>
</tr>
<tr>
<td>34</td>
<td>41</td>
</tr>
<tr>
<td>41</td>
<td>45</td>
</tr>
<tr>
<td>Owner</td>
<td>Woody Johnson</td>
</tr>
<tr>
<td>------------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>Driller</td>
<td>B &amp; H Drilling</td>
</tr>
<tr>
<td>Date Started</td>
<td>10-5-60</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 32, T. 78, R. 20E, 1/4 sec. S.W. of N.W.</td>
</tr>
</tbody>
</table>

**Type of Well**

- **Drilled** (Pug, driven, bored, or drilled)
- **Churn Drill** (Churn drill, relay, etc.)

**Water Use**

- Domestic [ ]
- Municipal [ ]
- Stock [ ]
- Irrigation [ ]
- Industrial [ ]
- Drainage [ ]
- Other [ ]

**Casing**

- 0 ft to 27 ft. Type [Black] Size 6 in.
- [ ] ft to [ ] ft. Type [ ] Size [ ]
- [ ] ft to [ ] ft. Type [ ] Size [ ]

**Perforated or Screened**

- Ft. to Ft. Ft. to Ft.

**Type of Screen or Perforations**

**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.

**How Test**

- [ ] Baler

**Length of Test**

- [ ] One Hr.

**Remarks**

(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3</td>
<td>Top Soil</td>
</tr>
<tr>
<td>3</td>
<td>23</td>
<td>Quicksand, Gravel, Rocks</td>
</tr>
<tr>
<td>23</td>
<td>58</td>
<td>Gray Sandstone</td>
</tr>
<tr>
<td>58</td>
<td>65</td>
<td>White Sandstone (water)</td>
</tr>
<tr>
<td>63</td>
<td>70</td>
<td>Gray Sandstone</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

**Owner:** Grizzly Peak Mountain Homes  
**Address:** Red Lodge, Mont.

**Driller:** B & H Drilling  
**Address:** Fishtail, Mont.

**Date Started:** 5/10/60  
**Date Completed:** 5/13/60

**Location:** Sec. 32 T7 S. R. 20 E. 1/4 sec. SW

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Churn Drill</td>
</tr>
</tbody>
</table>

**Water use:** Domestic [X]  
**Industrial** [ ]  
**Municipal** [ ]  
**Stock** [ ]  
**Irrigation** [ ]  
**Drainage** [ ]  
**Other:** [ ]

**Casing:**
- 0 ft. to 26½ ft.  
- Type: Black  
- Size: 6 in.

**Casing:**
- 0 ft. to 9½ ft.  
- Type: 20 Gauge Galv.  
- Size: 5 in.

**Perforated or Screened:**
- 1½ ft. to 50 ft.  
- Type: [ ]  
- Size: [ ]

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 7 feet.

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

**Pumping water level:** 87 feet at 6 gal. per min.

**How tested:** Bailar

**Length of test:** One Hour

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

- Cased to bottom with Galvanized 2 Gauge to bottom.

---

(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>9</td>
</tr>
<tr>
<td>9</td>
<td>16</td>
</tr>
<tr>
<td>16</td>
<td>23</td>
</tr>
<tr>
<td>23</td>
<td>29</td>
</tr>
<tr>
<td>29</td>
<td>47</td>
</tr>
<tr>
<td>47</td>
<td>52</td>
</tr>
<tr>
<td>52</td>
<td>80</td>
</tr>
<tr>
<td>80</td>
<td>87</td>
</tr>
<tr>
<td>87</td>
<td>100</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

**Fox Well**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Grizzly Peak Homes Inc.</th>
<th>Address</th>
<th>Red Lodge, Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>B &amp; H Drilling</td>
<td>Address</td>
<td>Fishtail, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>5/16/60</td>
<td>Date Completed</td>
<td>5/21/60</td>
</tr>
<tr>
<td>Location:</td>
<td>Sec. 32</td>
<td>T. 7 S.</td>
<td>R. 20</td>
</tr>
</tbody>
</table>

**Type of well:** Drilled  
**Equipment used:** Churn Drill  
**Water use:** Domestic X  
**Casing:** 0 ft. to 36 ft.  
**Type:** Black Casing  
**Size:** 6 in  

**Remarks:**  
Open hole from 3½ to 2½0 feet.  
Drove casing into Gray Shale 9 or 10 feet.  
Got a good seal.  

---

(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>12</td>
</tr>
<tr>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>54</td>
</tr>
<tr>
<td>54</td>
<td>56</td>
</tr>
<tr>
<td>56</td>
<td>74</td>
</tr>
<tr>
<td>74</td>
<td>110</td>
</tr>
<tr>
<td>110</td>
<td>127</td>
</tr>
<tr>
<td>127</td>
<td>134</td>
</tr>
<tr>
<td>134</td>
<td>178</td>
</tr>
<tr>
<td>178</td>
<td>204</td>
</tr>
<tr>
<td>204</td>
<td>207</td>
</tr>
<tr>
<td>207</td>
<td>211</td>
</tr>
<tr>
<td>211</td>
<td>236</td>
</tr>
<tr>
<td>236</td>
<td>240</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: Mr. Harold Hanson  Address: Red Lodge, Mont.
Driller: B & H Drilling  Address: Fishtail, Mont.
Date Started: 6/6/60  Date Completed: 6/9/60
Location: Sec. 32  T. 7 S.  R. 20 E.  34 sec. NW

Type of well: Drilled  Equipment used: Churn Drill

Water use: Domestic [x]  Municipal [ ]  Stock [ ]  Irrigation [ ]
Industrial [ ]  Drainage [ ]  Other: [ ]

Casing:
- 0 ft. to 24 ft.  Type: Black  Size: 6 in.
- 24 ft. to 60 ft.  Type: R. gauge galv  Size: 5 in.
- 60 ft. to 80 ft.  Type:  Size:

Perforated or Screened: Ft. 38 to Ft. 41  Ft. 69 to Ft. 72

Type of screen or perforations:

Static Water level, for non-flowing well: Well is just flowing

Shut-in pressure, for flowing well: 3 lb./sq. in. on: 6/9/60 (date)

Pumping water level: 74 feet at 1 gal. per min.

How tested: Bailer

Length of test: One Hour

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

This well will not flow when in use as it takes 36 hours to flow.
<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>8</td>
</tr>
<tr>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>34</td>
</tr>
<tr>
<td>34</td>
<td>39</td>
</tr>
<tr>
<td>39</td>
<td>52</td>
</tr>
<tr>
<td>52</td>
<td>68</td>
</tr>
<tr>
<td>68</td>
<td>74</td>
</tr>
<tr>
<td>74</td>
<td>80</td>
</tr>
<tr>
<td>Water Well Log</td>
<td></td>
</tr>
<tr>
<td>----------------</td>
<td>---</td>
</tr>
<tr>
<td><strong>Owner</strong></td>
<td>Dietrich</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Red Lodge, Mont.</td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td>B &amp; H Drilling</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Fishtail, Mont.</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>6/14/60</td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
<td>6/17/60</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Sec. 32, T. 7 S., R. 20 E., 1/4 sec. NW</td>
</tr>
<tr>
<td><strong>Type of well</strong></td>
<td>Drilled</td>
</tr>
<tr>
<td><strong>Equipment used</strong></td>
<td>Churn Drill</td>
</tr>
<tr>
<td><strong>Water use</strong></td>
<td>Domestic [X] Municipal Stock Irrigation</td>
</tr>
<tr>
<td><strong>Casing</strong></td>
<td>0 ft. to 24 ft. Type Black Size 6 in.</td>
</tr>
<tr>
<td><strong>Casing</strong></td>
<td>4 ft. to 85 ft. Type 20 gauge galv. Size 5 in.</td>
</tr>
<tr>
<td><strong>Casing</strong></td>
<td>ft. to ft. Type Size</td>
</tr>
<tr>
<td><strong>Perforated or Screened</strong></td>
<td>Ft. to Ft. Ft. to Ft.</td>
</tr>
<tr>
<td><strong>Type of screen or perforations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Static Water level</strong></td>
<td>5 feet</td>
</tr>
<tr>
<td><strong>Shut-in pressure</strong></td>
<td>lb./sq. in. on: (date)</td>
</tr>
<tr>
<td><strong>Pumping water level</strong></td>
<td>80 feet at 3 gal. per min.</td>
</tr>
<tr>
<td><strong>How tested</strong></td>
<td>Bailer</td>
</tr>
<tr>
<td><strong>Length of test</strong></td>
<td>One Hour</td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></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>8</td>
</tr>
<tr>
<td>8</td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>18</td>
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<td>18</td>
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<tr>
<td>56</td>
<td>69</td>
</tr>
<tr>
<td>69</td>
<td>77</td>
</tr>
<tr>
<td>77</td>
<td>85</td>
</tr>
</tbody>
</table>
### WATER WELL LOG

**Owner:** Vincent Carpenter  
**Address:** Billings, Montana

**Driller:** B & H Drilling  
**Address:** Fishtail, Montana

**Date Started:** 9-29-60  
**Date Completed:** 10-3-60

**Location:** Sec. 32  
**T. 7S. R. 20E.**

<table>
<thead>
<tr>
<th>Water Use</th>
<th>Drilled Equipment</th>
<th>Churn Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
<td>Churn drill</td>
</tr>
<tr>
<td></td>
<td>(Dug, driven, bored, or drilled)</td>
<td>(Churn drill, rotary, other)</td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

**Water use:** Domestic [x]  
**Municipal [ ]**  
**Stock [ ]**  
**Irrigation [ ]**  
**Industrial [ ]**  
**Drainage [ ]**  
**Other: [ ]**

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 42 ft.</td>
<td>Black</td>
<td>6 in.</td>
</tr>
<tr>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
</tbody>
</table>

**Perforated or Screened:**

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
</table>

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 38 feet.

**Shut-in pressure, for flowing well:** 3 lb./sq. in. on:

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>Feet at</th>
<th>gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 ft.</td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**How tested:** Baler

**Length of test:** One Hr.

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

---

**County:** Carbon  
**Received:** JAN 9, 1961

**MONTANA BUREAU OF MINES AND GEOLOGY**  
**STATE ENGINEER**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 2</td>
</tr>
<tr>
<td>From 2</td>
<td>To 14</td>
</tr>
<tr>
<td>From 14</td>
<td>To 32</td>
</tr>
<tr>
<td>From 32</td>
<td>To 36</td>
</tr>
<tr>
<td>From 36</td>
<td>To 49</td>
</tr>
<tr>
<td>From 49</td>
<td>To 97</td>
</tr>
<tr>
<td>From 97</td>
<td>To 104</td>
</tr>
<tr>
<td>From 104</td>
<td>To 157</td>
</tr>
</tbody>
</table>

- Top soil.
- Sand, Gravel
- Sand
- Brown Clay
- Gray Sandstone
- Gray Shale
- Gray Sandstone (water)
- Gray Shale and Sandstone
### 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>Mr. Lyman Brower</td>
<td>Billings, Montana</td>
<td>B &amp; H Drilling</td>
<td>Fishtail, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10-3-60</td>
<td>10-5-60</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Location:** Sec. 32, T. 75, R. 20E, 1/4 sec. N. W. of North East

<table>
<thead>
<tr>
<th>Type of well:</th>
<th>Equipment used:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Churn Drill</td>
</tr>
</tbody>
</table>

**Water use:**
- Domestic [x]
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 32 ft.</td>
<td>Black</td>
<td>6 in.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
</table>

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 3 feet

**Shut-in pressure, for flowing well:** 5 lb/sq. in. on: (date)

**Pumping water level:** 30 feet at 140 gal. per min

**How tested:** Baler

**Length of test:** One Hr.

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<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>3</td>
</tr>
<tr>
<td>3</td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>26</td>
</tr>
<tr>
<td>26</td>
<td>45</td>
</tr>
<tr>
<td>Top soil</td>
<td></td>
</tr>
<tr>
<td>Sand, Gravel, Rocks</td>
<td></td>
</tr>
<tr>
<td>Quicksand (water)</td>
<td></td>
</tr>
<tr>
<td>Gray Sandstone (water at 33ft.)</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)

Date of Notice of appropriation of groundwater: 8/14/67
Date completed: 8/17/67

Owner: John Crockett
Address: Billings, MT

Driller: B. H. Dilling
Address: Chico, MT

Date of Notice of appropriation of groundwater:

Type of well: Drilled
Equipment used: Churn drill

Water use: Domestic

Remarks: Gravel packing, cementing, packers, type of shutoff

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

Show exact depth of bottom.

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Test done

Length of Test

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).

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

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

Office of the County Clerk & Recorder

I hereby certify that the within

[Signature]

was filed

for record in my office this 18 day

of Sept. A.D. 1967

at 2:45 P.M.

Attest my hand and the seal of

said County

FRANK DANICHEK, COUNTY CLERK

Clerk and Recorder

[Signature]

[Date]
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: Address:
Driller: Address:
Date of Notice of appropriation of groundwater:
Date well started:
Date completed:
Type of well: Equipment used:
Water use:

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

<table>
<thead>
<tr>
<th>Size of Defiled Hole</th>
<th>Size and Weight at Bottom</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch</td>
<td>5 1/2</td>
<td>18 1/4</td>
<td>33</td>
</tr>
<tr>
<td></td>
<td></td>
<td>41.97</td>
<td>26</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for flowing well

Pumping Water Level at:

Discharge in gal. per minute of flowing well

How Tested:

Length of Test:

Remarks:

Show exact depth of bottom.

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

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

Driller’s License Number

Driller’s Signature

Approved Stock Form—Holt Publishing Co., Helena, Montana—4851
Notice of Completion of Groundwater Appropriation by Means of Well

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

Date of Notice of Appropriation of ground-water

Date well started

Date completed

Owner

Address

Driller

Address

Type of well

Equipment used

Water use

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>Depth (Feet)</th>
<th>Test (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch</td>
<td>6 5/8</td>
<td>18 1/4</td>
<td>23 1/2</td>
</tr>
<tr>
<td>4 1/2 Plastic</td>
<td>6</td>
<td>86</td>
<td>3 1/8 holes</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for flowing well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

Remarks

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

Legal: Lot #2, Block 2, Grizzly Peak Mountain Homes Subdivision Annex (Continue on reverse side)

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

Water is for cabin in Grizzly Peak Summit home area.

Driller's License Number

Driller's Signature
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**STATE WATER CONSERVATION BOARD**

*DEVELOPED AFTER JANUARY 1, 1962*

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

**Owner:** Stephen C. Lan

**Address:** 2603 7th Ave. N.

**Driller:**

**Date of Notice of appropriation of groundwater:**

**Date well started: 7/3/71**

**Date completed: 12/31/71**

**Type of well:**

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

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

---

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

- **5 feet.**

**Shut-in Pressure for Flowing Well**

- **50 feet.**

**Pumping Water Level:**

- **75 feet.**

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

- **6 gal. per minute.**

**How Tested:**

- **Record.**

**Length of Test:**

- **3 hrs.**

**Remarks:** (Gravel packing, cementing, packers, type of shutter)

---

**LEGAL:** Lot 2 of Block 2 of Grizzly Peak Mountain Homes Subdivision Annex (Continue on reverse side)

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

---

**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, tissue copy to be retained by driller.

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

---

**RECEIVED**

JAN 6 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

---

**RECEIVED**

FEB 16 1972

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

---

**AUG 17 1972**

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

---

Show exact depth of bottom.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Robert Martin
Address: Billings, Mont.

Date well started: 7/31/61
Date completed: 8/17/61

Type of well: Drilled
Equipment used: Churn

Water Use: Domestic

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch</td>
<td>17 ft</td>
<td>10</td>
<td>60</td>
<td>¾ inch</td>
</tr>
<tr>
<td>6 inch</td>
<td>10 ft</td>
<td>30</td>
<td>45</td>
<td></td>
</tr>
</tbody>
</table>

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

Shut-in Pressure for Flowing Well...

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

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

How Tested... Bailey...

Length of Test...

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

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.

43, 461

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.
STATE OF MONTANA
COUNTY OF CARRION
Office of the County Clerk & Recorder
I hereby certify that the within

Writ Filing was filed
for record in my office this 26th day
of August, A.D. 1964
at 11:00 o'clock A.M.

Attest my hand and the seal of

[Signature]

Clark and Recorder

By:

[Signature]

Deputy

Form 8 2
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

Owner: Don Erickson
Address: Billings, Mont.

Driller: R & H Drilling
Address: Billings, Mont.

Date of Notice of appropriation of groundwater: 7/17/71
Date completed: 7/19/71

Type of well: Drilled
Equipment used: Churn drill

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
<th>Kind Size</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 Inch</td>
<td>6 5/8</td>
<td>18 1/4</td>
<td>31 1/2</td>
<td>none</td>
<td>3/16 hole</td>
<td>35</td>
<td>42</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 3 feet.
Shut-in Pressure for flowing well 40 feet.
Pumping Water Level 7 0 gal. per minute.
Discharge in gal. per min. of flowing well 44 gal. per minute.

How Tested: Boiler
Length of Test: 2 hrs
Remarks: (Gravel packing, cementing, packers, type of shutoff)
6 inch casing drove into sandstone at 31 1/2 ft

(Continues on reverse side)

USE—If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).
Water is to be used for summer home Grizzly peak

No. 27
Driller's License Number
Driller's Signature

4/1972
*This text is not legible due to the quality of the image.*
**DECLARATION OF VESTED GROUNDWATER RIGHTS**
(Under Chapter 237, Montana Session Laws, 1961)

Leon Yankoski, of Bridger, Carbon County, State of Montana, have appropriated groundwater according to the Montana Law in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Sec.</th>
<th>Sec.</th>
<th>Sec.</th>
<th>Sec.</th>
<th>Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
<td>32</td>
<td>32</td>
<td>32</td>
<td>33</td>
<td>34</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Springs</strong></th>
<th>No. 1</th>
<th>No. 2</th>
<th>No. 3</th>
<th>No. 4</th>
<th>No. 5</th>
<th>No. 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Basis of Beneficial Use</td>
<td>Irrigation</td>
<td>Stock</td>
<td>Stock</td>
<td>Stock</td>
<td>Stock</td>
<td>Stock</td>
</tr>
<tr>
<td>Approx date of Use</td>
<td>Feb. 1, 1964</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
</tr>
<tr>
<td>How continuous?</td>
<td>cont.</td>
<td>cont.</td>
<td>cont.</td>
<td>cont.</td>
<td>cont.</td>
<td>cont.</td>
</tr>
<tr>
<td>Amount claimed in miner's inches or gallons per min.</td>
<td>15”</td>
<td>15”</td>
<td>15’’</td>
<td>15”</td>
<td>15”</td>
<td>15”</td>
</tr>
<tr>
<td>Acres irrigated</td>
<td>NW</td>
<td>NW</td>
<td>NW</td>
<td>NW</td>
<td>NW</td>
<td>NW</td>
</tr>
<tr>
<td>Description</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
</tr>
<tr>
<td>Name of Owner</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
<td>Yankoski</td>
</tr>
<tr>
<td>Location of Works</td>
<td>NW/NW</td>
<td>NW/NW</td>
<td>NW/NW</td>
<td>NW/NW</td>
<td>NW/NW</td>
<td>NW/NW</td>
</tr>
<tr>
<td>Means of Withdrawal</td>
<td>Free flowing</td>
<td>Free flowing</td>
<td>Free flowing</td>
<td>Free flowing</td>
<td>Free flowing</td>
<td>Free flowing</td>
</tr>
<tr>
<td>Date-Commencement</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
</tr>
<tr>
<td>Date-Completion</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
<td>2/1/64</td>
</tr>
<tr>
<td>Depth of water table</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Type, size, depth of specifications of work</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Estimated amount withdrawn annually</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Avg. flow</td>
<td>15”</td>
<td>Average flow</td>
<td>15”</td>
<td>Avg. flow</td>
<td>15”</td>
<td>Avg. flow</td>
</tr>
<tr>
<td>Log, if available</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>Other information</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Signature of owner: **Leon Yankoski**

Date: **2/11/64**

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

43944
STATE OF MONTANA,
COUNTY OF CARBON
SS.
Office of the County Clerk & Recorder
I hereby certify that the within
Water Deed was filed
for record in my office this 11 day
of Jul. A.D. 1964
at 2:30 o'clock P.M.
Attest my hand and the seal of
said County
FRANK DANIČEK, COUNTY CLERK
Clerk and Recorder
by Tony Z. Suppren
Feet 2. 16088
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL**

Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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

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

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

<table>
<thead>
<tr>
<th>For Administrator's Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>File</td>
</tr>
<tr>
<td>June 13, 1973</td>
</tr>
<tr>
<td>GW</td>
</tr>
</tbody>
</table>

---

**Owner**

Leon F. Flaherty & Lois Flaherty & Lois Webster, husband & wife

**Address**

1116 Alderson, Billings, Montana

**Contractor (if any)**

None

**Address of Contractor**

Not known

**Date Started**

Not known

**Date Completed**

Not known

---

1. **Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)**

   - Free flowing spring

2. **Means of withdrawing water (gravity, pump, canal, etc.)**

   - Free flowing

3. **Depth of water table**

   - Unknown

4. **Use of the water**

   - Domestic and irrigation

5. **Amount of groundwater claimed (in miner’s inches or gallons per minute)**

   - 10 gallons a minute

6. **If used for irrigation, give number of acres and description of land**

   - 4.152 acres, located SE 1/4 Sec. 32

   - Block 2 Grizzly Peak Mountain Home Subdivision

   - Carbon County, Montana

7. **Estimate amount of water used each year**

   - 10,570 gallons a year

8. **Months of year spring flows**

   - Year around

**Signature of Owner**

Signature

**Date**

January 5, 1973
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: Mrs. Paul Ewing
Address: 3950 Rochester Ave., Lewistown.

Contractor (if any): 
Address of Contractor: 

Date Started: Date Completed: 

1. Describe means of obtaining groundwater (as by irrigation, developed spring, drains, etc.): Sprinkler System

2. Means of withdrawing water (gravity, pump, canal, etc.): Free Flowing

3. Depth of water table: 

4. Use of the water: Domestic

5. Amount of groundwater claimed (in miner's inches or gallons per minute): 

6. If used for irrigation, give number of acres and description of land: 

7. Estimate amount of water used each year: 12,000 gal.

8. Months of year spring flows: 

Signature of Owner: 
Date: April 27, 1972

RECEIVED: MAY 8, 1972
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

File #: 1948, 1846/44
May 12, 1970
2:00 p.m.
GW 1

For Administrator's Use

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE. Elevation of spring, if known or estimated: 

Signature of Owner: 
Date: April 27, 1972

59.413
Owner: Mrs. Paul Ermington
Address: 8150 Raymond Ave, Lima

Contractor (if any): 
Address of Contractor: 

Date Started: 
Date Completed: 

1. Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drain, etc.): 
Springs

2. Means of withdrawing water (gravity, pump, canal, etc): 
Free Flowing

3. Depth of water table: 

4. Use of the water: 
Domestic

5. Amount of groundwater claimed (in miner's inches or gallons per minute): 50

6. If used for irrigation, give number of acres and description of land: 

7. Estimate amount of water used each year: 125,000 gal.

8. Months of year spring flows: 12 months

Signature of Owner: Carolyn Ermington
Date: April 29, 1912

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated: 

T. 7 R. 20 S. 

SW 1/4, NW 1/4, Sec. 32

Amount of groundwater claimed (in miner's inches or gallons per minute): 50

Signature of Owner: Carolyn Ermington
Date: April 29, 1912

Estimate amount of water used each year: 125,000 gal.
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL**

- **Developed After January 1, 1962**

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

This form to be prepared by contractor (if any), otherwise by the owner. Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

<table>
<thead>
<tr>
<th>For Administrator's Use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
</tr>
<tr>
<td><strong>Address</strong></td>
</tr>
<tr>
<td><strong>Contractor (if any)</strong></td>
</tr>
<tr>
<td><strong>Address of Contractor</strong></td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
</tr>
</tbody>
</table>

1. **Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)**
   - 
   - **Spring:**
     - **How developed?**
     - Cleaned and boxed in so it can be piped to house

2. **Means of withdrawing water (gravity, pump, canal, etc.)**
   - 

3. **Depth of water table**
   - 

4. **Use of the water**
   - 

5. **Amount of groundwater claimed (in miner's inches or gallons per minute)**
   - 50 inches

6. **If used for irrigation, give number of acres and description of land**
   - 

7. **Estimate amount of water used each year**
   - 115000.01

8. **Months of year spring flows**
   - 

**RECEIVED**

**JUN 26 1972**

MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

**Signature of Owner**

**Date**

**50 413**
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 327, Montana Session Laws, 1961)

Owner: Richard Pilatii  Address: Ralloge, Mounts
Driller: 13th Drilling  Address: 31st Street, Mounts

Date of Notice of appropriation of groundwater: 1/15/65
Date started: 1/15/65  Date completed: 1/20/65

Equipment used: Churn Drill (Drill, Driven, bored or drilled)
Water use: Domestic  Municipal  Stock  Irrigation
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>Front (Feet)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in. 6 7/8 in.</td>
<td>19 ft.</td>
<td>43</td>
<td>50</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 9 feet.
Shut-in Pressure for Flowing Well 40 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: Brailly
Length of Test: 13 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Show exact depth of bottom.

Static Water Level for non-flowing well

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
COUNTY OF CARBON SS.

Office of the County Clerk & Recorder

I hereby certify that the within
Water filing
was filed
for record in my office this 3 day
of Nov, A.D. 1965
on 8:46 o'clock A.M.

Attest my hand and the seal of
said County.
FRANK DANIOCHEK, COUNTY CLERK
Clerk and Recorder

By: ____________________
   Deputy Recorder
   [Signature]
   [Date]
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Harry Jorgenson
Address: Post Lodge, Miss

Date of Notice of appropriation of groundwater: July 7, 1965
Date well started: July 7, 1965
Date completed: July 13, 1965

Type of well: Drilled
Equipment used: Churn
Water use: Domestic [x] Municipal [ ] Stock [ ] Irrigation [ ]

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

<table>
<thead>
<tr>
<th>Strata of Drilled Hole</th>
<th>Rise and Weight of Casing (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6 in</td>
<td>14 1/2</td>
<td>4 1/2</td>
</tr>
<tr>
<td></td>
<td>17 7/16 in</td>
<td>52 in</td>
<td>4 1/2 52</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 30 feet
Shut-in Pressure for flowing well: 42 feet at 30 gal per minute.
Discharge in gal. per min. of flowing well: 30 gal/min.

How Tested: Balance
Length of Test: 2 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

SE 1/4 NW 23 T7 R7 N4 Indicates location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

Show exact depth of bottom: 52 1/4 ft

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, the same copy to be retained by driller.

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

Driller's License Number: 43,217
Driller's Signature: [Signature]
STATE OF MONTANA,
COUNTY OF CARBON
Office of the County Clerk & Recorder,
I hereby certify that the within
Writ of Habeas Corpus was filed
for record in my office this /6 day
of July, 1945 at 11:45 o'clock A.M.
Attest my hand and the seal of
said County
FRANK DANICH, COUNTY CLERK
Clerk and Recorder
Troen T. Jesper
}
1096
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Revised Laws, 1961)

J. A. Rechkalt of State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based
   
3. Date or approximate date of earliest beneficial use and how continuous the use has been
   
4. The amount of groundwater claimed (in number'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 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.

Date 1-2-64

Signature of Owner

Having first carefully sworn, depose and say that

he, of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant that he know the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this day of , 19

Notary Public for the State of Montana.
Residing at

My Commission expires
STATE OF MONTANA
COUNTY OF CARNON SS.
Office of the County Clerk & Recorder:

I hereby certify that the within

[Signature]

was filed

for record in my office this 2nd day

of Jan., A.D. 19**

at 1:35 o'clock P.M.

Attest my hand and the seal of
said County

[Signature]

[Signature]

Frank D. Living, County Clerk
Clerk and Recorder

Date 8, 19**
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Cartagoa Dav Inc., of Regal Lodge

County of Carbon State of Montana

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

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

2. The date or approximate date of earliest beneficial use: February 1953

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gals per min.

4. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 1/4220

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

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

7. The depth of water table: 23 feet

8. The estimated amount of groundwater withdrawn each year: 328,500 gals

9. The log of formations encountered in the drilling of each well if available: gravel & rock

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

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.

42,980
DATE OF MONTANA.
COUNTY OF CARBON S.S.
Office of the County Clerk & Recorder

I hereby certify that the within

[Proposition] was filed
for record in my office the 23rd day
of December, A.D. 1943
at 1:55 o'clock, P.M.

[Signature]

Clerk and Recorder

[Stamp]

Done on the 23rd day of December, A.D. 1943.
Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1879

Owner Juhans L. Pietsch Address L. F. Dailey

Contractor (if any) none

Address of Contractor none

Date Started 1879 Date Completed 1879

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

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

Signature of Owner Juhans L. Pietsch

Date Dec 31 1963

STATE OF MONTANA)

County of Carbon ) ss.

Having first been duly sworn, declare and say that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is mentioned above, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this ______ day of __________, 19____

Notary Public for the State of Montana
Residing at
My Commission expires _______ 19____
STATE OF MONTANA
COUNTY OF CARSON

SS.

Office of the County Clerk & Recorder

I hereby certify that the within

Approp[riation] was filed

petition in my office this_31_ day

of _A.D. 1963

at_2:00 o'clock P. M.

Attest my hand and the seal of

said County

FRANK DANIELS, COUNTY CLERK

By ___________ Deputy

Face __2__
## Declaration of Vested Groundwater Rights

(under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>1.</th>
<th>Benjamin K. Korns</th>
<th>of</th>
<th>Red Lodge</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Name of Appropria-tor)</td>
<td></td>
<td>(Address)</td>
</tr>
<tr>
<td></td>
<td>County of</td>
<td>State of</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Carbon</td>
<td>Montana</td>
<td></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.
   - Household use and irrigation of yard

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   - 1959 - Continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   - August, 1959

8. The depth of water table.
   - Approximately 8 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 - 8" casing - 30 feet deep

10. The estimated amount of groundwater withdrawn each year.
    - 1,380,000 gal

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

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

Signature of Owner: [Signature]

Date: December 31, 1963

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

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

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

I hereby certify that the within
Appropriation was filed
for record in my office this 31st
day of
A. D. 1963
at 7:10 o'clock P. M.

Attest my hand and the seal of
said County
FRANK JANICH, COUNTY CLERK

ALICE E. THURSTON

Deputy

From 8 to 2 A.M.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

I. This Declaration of Vested Groundwater Rights was filed on January 26, 1968.

II. The beneficial use on which the claim is based is domestic stock.

III. The date or approximate date of earliest beneficial use and how continuous the use has been is 1963.

IV. The amount of groundwater claimed (in miner's inches or gallons per minute) is 200 gal per min.

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

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

VII. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater is 1965.

VIII. The depth of water table is 20 ft.

IX. 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.

X. The estimated amount of groundwater withdrawn each year is 1,000 gal.

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

XII. 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.

Date: January 26, 1968

Signature of Owner: Donna Hyman

Date: February 31, 1968

Signature of Notary Public: Donna Hyman

Subscribed and sworn to before me, this 31 day of January, 1968.

Notary Public for the State of Montana.
Residing at
My Commission expires

43,207
COUNTY OF CARBON
Office of the County Clerk & Records

I hereby certify that the within
Appraisement
was filed
in said office this 31st day of
A.D. 1963
at 2:50 o'clock P.M.

Attire my hand and the seal

County Clerk

Art

Fee $ 2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. [Signature] of [Address] 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 supplied and name of the owner thereof
   [Details]

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

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
   [Details]

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

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

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
    [Details]

STATE OF MONTANA, ) County of Carbon) ss.

Date: [Date]

Signature of Owner: [Signature]

Having first been duly sworn, deposing and saying that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this [Date] day of [Month], 19_

Notary Public for the State of Montana.
Residing at
My Commission expires

[Signature]
STATE OF MONTANA
COUNTY OF CARBON SS.
Office of the County Clerk & Recorder

I hereby certify that the within

Appropria] was filed
for record in my office this 31st day
of ___________ A.D. 19__

at 2:47 p.m.

Stated my hand and the seal of

[Signature]

County Clerk & Recorder

Fax: 2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. On March 6, 1969, of
State of 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 Irrigation

- Date or approximate date of earliest beneficial use and how continuous the use has been
  February 1962

- The amount of groundwater claimed (in inches or gallons per minute)
  1000 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
   80 acres

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
   March 1962

8. The depth of water table
   Spring 6 ft
   Winter 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 to 72 ft

10. The estimated amount of groundwater withdrawn each year
    not established

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

Date Dec 31, 1969
Signature of Owner

STATE OF MONTANA, ) County of Carbon) ss.

Subscribed and sworn to before me, this day of __________, 19__

Having first been duly sworn, depose and say that
he is of lawful age and the appropriator and claimant of the
water right mentioned in the foregoing declaration of vested groundwater rights
and the person whose name is subscribed thereto, as the appropriator
and claimant, that he know the contents of said foregoing notice and that the
matters and things therein stated are true.

Subscribed and sworn to before me, this day of __________, 19__
...k OF MONTANA-
COUNTY OF CARBON...)

Office of the County Clerk & Recorder

I hereby certify that the within

appropriation

was filed

in my office this ___ day

of ___ A.D. 1963

at ___ o'clock P.M.

Attest my hand and the seal of

this County:

[Signature]

Clerk and Recorder

[Stamp]

Fees $2.00.
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1966

Siouxland & Soo. 33 Coal Co.
Owner(s): Siouxland & Soo. 33 Coal Co.
Address: Red Lodge, Montana

Contractor (if any): none
Date Started: 1966
Date Completed: 1966

Describe means of obtaining groundwater without a well: By various sub-irrigation and other natural processes. Include depth to water when applicable. Various springs flow into McCartney creek on this property. Spring #1 has been opened on the outcrop of clay bed of coal with an average flow of about 15,000 gal. per day. Spring #2 flows under bed #3. A cement tank has been built under the flow and the water is piped to our main digplant, bath house and home. Spring #3 flows into a sink which collects water. Various other flows into the sink in the various basins from fissures in the rock above. A sand filter is used to purify water coming out of the sink or from our septic tank. On the bottom of the storage tank, one has water for the coal washing plant. At other times it flows down McCartney creek. Our use of water is usually in the winter months & fall.

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

Date: ____________________________

Signature of Owner: ____________________________

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

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

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

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1966
SKELETON & SKELETON COAL CO.
Owners: James E. Proctor, Jr., Red Lodge, Montana

Contractor (if any) none
Address of Contractor none

Date Started 1966
Date Completed Various

Describe method of obtaining groundwater without depending on sub-irrigation or other natural processes. Include depth to water table and use of pumps. Various springs flow into McCartney creek on the property. Spring A has been opened on the opposite side of the creek on an average flow of about 15,000 gal. per day, 600-900 ft. SSW from lot #2. A cement tank has been built at the spring and the water is piped to our wash house and to a 500-gal. tank. Spring B flows into a 100-gal. tank. Hot water flows into the home and various beds worked from a muscular spring in the southwest corner of the land. Hot water is either pumped out of the tank or from the hot springs depending on the position of the oven. The quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

coal washing plant. 24 ft. SSW. Use 100 gal. per day in the winter, spring & fall. The water is used intermittently to supplement water in the irrigation system. Water is estimated to be the same as or equal to the average (if any). otherwise by the owner.

Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. I, Edward Oleson, of Red Lodge, County of Carbon, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Lots 1-9, Blk 89, Hymer Addition, Red Lodge, Montana. (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed.

4. The annual period (inclusive dates) of intended use

5. The probable or intended date of first beneficial use

6. The probable or intended date of commencement and completion of the well or wells

7. The location, type, size and depth of well or wells contemplated

8. The probable or estimated depth of the water table or artesian aquifer

9. Name, address and license number of the driller engaged

10. Give such other similar information as may be useful

   in carrying out the policy of this act. The water used is from a spring coming from an old coal mine located about 15 to 20 feet east of 21st street, on Burns Avenue, Red Lodge, Montana.

   Locate well or other means of development as accurately as possible on the plat.

   Signature of Appropriator

   Date

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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.