<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Yellow Loam &amp; Sandstone</td>
</tr>
<tr>
<td>70</td>
<td>Coal</td>
</tr>
<tr>
<td>85</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>105</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>149</td>
<td>Blue Gray Shale</td>
</tr>
<tr>
<td>170</td>
<td>Blue Sandstone</td>
</tr>
<tr>
<td>195</td>
<td>Blue Shale</td>
</tr>
</tbody>
</table>

**Log of Well**

**DOC. No.** 120023

**WATER WELL LOG NO. 35**

State of Montana
County of Mecone

Office of Clerk and Recorder.

I hereby certify that the within instrument was filed in my office on the 29th day of December, A.D. 19[BLANK], [2:15] o'clock P.M., and was duly placed in Book

[Signature]

Clerk and Recorder

[Stamp]

By [Stamp]

Deputy

[Stamp]
# Water Well Log

**Owner:** Mrs. Kingman Edstrom  
**Address:** Broadway, Montana

**Driller:** Johnson Water Well Service  
**Address:** Terry, Mont.

**Date Started:** Dec. 16, 59  
**Date Completed:** Dec. 16, 59

**Location:** Sec. 32  
**T.** 17  
**R.** 44  
**4/4 sec.** SENE

<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></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 38½ ft.</th>
<th>Type</th>
<th>Std. Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>6&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>35 ft. to 55 ft.</th>
<th>Type</th>
<th>Std. Pipe Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>8&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th></th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. 25 to Ft. 55</th>
<th>Fl. to Fl.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>Holes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>15½ ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>25 feet at</th>
<th>22 gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>3 hrs.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>6</td>
<td></td>
<td>Top Soil &amp; Loam</td>
</tr>
<tr>
<td>6</td>
<td>30</td>
<td></td>
<td>Quick Sand</td>
</tr>
<tr>
<td>30</td>
<td>40</td>
<td></td>
<td>Blue Shale</td>
</tr>
<tr>
<td>40</td>
<td>52</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>52</td>
<td>55</td>
<td></td>
<td>Blue Soapstone</td>
</tr>
</tbody>
</table>

#### WATER WELL LOG NO. 36

**DOC. NO.** 120024

**State of Montana**

**County of McCon**

**Office of Clerk and Recorder**

I hereby certify that the within instrument was filed in my office on the 29th day of December, A.D., 19...59 at ______ o'clock______ A.M., and was duly recorded in Book __________ at Page __________.

**Secretary of the County, Montana**

Clerk and Recorder

By: none / Deputy
<table>
<thead>
<tr>
<th>Owner</th>
<th>Mr. A.C. Hedstrom</th>
<th>Address</th>
<th>Terry, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Henry I Johnson</td>
<td>Address</td>
<td>Terry, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>July 19, 1961</td>
<td>Date Completed</td>
<td>July 26, 1961</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 36, T. 27, R. 44, 1/4 sec. S.E.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled (Dug, driven, bored, or drilled)</th>
<th>Equipment used (Churn drill, rotary, other)</th>
<th>Rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use</td>
<td>Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>0 ft. to 58 ft. Type Std. Size 6&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>45 ft. to 106 ft. Type Std. Size 4&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>106 ft. to 195 ft. Type Std. Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>70 ft. to 75 ft.</td>
<td>95 ft. to 106 ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Holes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>24 feet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb/sq. in. on:</td>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>75 feet at 12 gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Bailer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>3 hrs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
<td></td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>Yellow Sandy Loam</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Brown Quicksand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Yellow Shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>Gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>Light Blue Soapstone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>73</td>
<td>Coal (Water)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90</td>
<td>Light Blue Shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
<td>Type of Form</td>
<td>File No.</td>
</tr>
<tr>
<td>------</td>
<td>------------------------------</td>
<td>--------------</td>
<td>----------</td>
</tr>
<tr>
<td>5</td>
<td>Mari Parc, Rv. Co.</td>
<td>GW2</td>
<td>132198</td>
</tr>
<tr>
<td>6</td>
<td>Darsey, Horben</td>
<td>well dug</td>
<td>129332</td>
</tr>
<tr>
<td>10</td>
<td>Langued, James</td>
<td>GW2</td>
<td>126720</td>
</tr>
<tr>
<td>11</td>
<td>Garby, Harley</td>
<td>GW2</td>
<td>132354</td>
</tr>
<tr>
<td>20</td>
<td>Schmidt, Robert</td>
<td>well dug</td>
<td>117697</td>
</tr>
<tr>
<td>33</td>
<td>Highland Ranch, Inc.</td>
<td>GW2</td>
<td>121458</td>
</tr>
<tr>
<td>85</td>
<td>Koester, Frank</td>
<td>GW2</td>
<td>129186</td>
</tr>
<tr>
<td>29</td>
<td>Schmidt, Robert</td>
<td>well dug</td>
<td>127137</td>
</tr>
<tr>
<td>89</td>
<td>Schmidt, Robert, Lempin</td>
<td>GW4</td>
<td>127212</td>
</tr>
<tr>
<td>32</td>
<td>Schmidt, Robert, Lempin</td>
<td>GW4</td>
<td>127212</td>
</tr>
<tr>
<td>33</td>
<td>Highland Ranch, Inc.</td>
<td>well dug</td>
<td>128412</td>
</tr>
<tr>
<td>32</td>
<td>Schmidt, Robert</td>
<td>GW2</td>
<td>128826</td>
</tr>
</tbody>
</table>
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, 1903
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Wilbur Larson
Address: 102 East Main St.
Terry, Mont.

Driller: Dra. G. Bond & Sons
Address: Terry, Mont.

Date of Notice of appropriation of groundwater: 4/14/69
Date completed: 4/18/69

Type of well drilled: Cable tool
Equipment used: Cable tool

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, character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Strata</th>
<th>Depth (Ft)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top soil</td>
<td>35</td>
<td></td>
</tr>
<tr>
<td>Yellow clay</td>
<td>28</td>
<td></td>
</tr>
<tr>
<td>Yellow sand</td>
<td>16</td>
<td></td>
</tr>
<tr>
<td>Gumbo</td>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Coal</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>Water sand trace</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Gumbo</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Water sand 15gpm</td>
<td>6</td>
<td></td>
</tr>
<tr>
<td>Gumbo</td>
<td>4</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 24 feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 144 feet
Discharge: 4 gal. per min. of flowing well

How Tested: Bailed
Length of Test: 4 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.

(Continue on reverse side)

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

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

37
45.255
WATER WELL LOG # 672

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 20th day of
May, 1969
at 11:56 A.M.

Gloria J. Shannon
Clerk and Recorder

By: "Harry D. Krakies"
Deputy

Fee: $2.00
State Engineer  
Montana Water Resources Board  
Sam Mitchell Building  
Helena, Montana  
59601

Dear Sir:

Mr. J. L. Bishop, Supervisor, Grazing & Cultivation for the Northern Pacific Railway Company, was in our office today to inform us a certain Water Well Log filed by Wilbur L. Larson, Brockway, Montana, as Appropriator, should be corrected to show the Northern Pacific Railway Company, Appropriator.

Would you please correct your copy of Water Well Log No. 672, Document No. 135288, to show the NORTHERN PACIFIC RAILWAY COMPANY as Appropriator. Mr. J. L. Bishop signed the correction we made, as Supervisor.

We have made the necessary corrections on our records.

Thank you.

Yours very truly,

Gloria G. Brennan  
Clerk & Recorder

GGB:mrk
Owner: Herbert Larson  Address: Brookway, Montana
Driller: Albert & Edward Brost  Address: Brookway, Montana
Date Started: July 14, 1961  Date Completed: July 18, 1961
Location: Sec. 6  T. 37  R. 45  N. 45

Type of well: Drilled  Equipment used: Churn Drilled

Water use: Domestic  Municipal  Stock  Irrigation  Industrial  Drainage  Other:

Casing: Top ft. to 120 ft. Type Steel  Size 4"
Casing: ft. to ft. Type  Size
Casing: ft. to ft. Type  Size
Perforated or Screened: Ft. 0 to ft. 115 to ft.

Type of screen or perforations: Slats in casing

Static Water level, for non-flowing well: From the top feet.
Shut-in pressure, for flowing well: lb./sq. in. on (date)
Pumping water level: 72 feet at 21 gals. per min. 30

How tested: Baler

Length of test: 1/2 hour

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

Gravel packed water vein
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>Yellow sandy loam</td>
</tr>
<tr>
<td>32'</td>
<td>Sand</td>
</tr>
<tr>
<td>58'</td>
<td>Sand rock</td>
</tr>
<tr>
<td>60'</td>
<td>Coal</td>
</tr>
<tr>
<td>65'</td>
<td>Blue clay</td>
</tr>
<tr>
<td>100'</td>
<td>Water clay</td>
</tr>
<tr>
<td>115'</td>
<td>Blue clay</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Hubert Jardin
Address: Brookway, Montana

Driller: J. C. Bond
Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 10/15/63
Date well started: 10/15/63
Date well completed: 10/16/63

Type of well: Drilled
Equipment Used: Cable (dug, 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>Strata</th>
<th>Size of Bore (Inches)</th>
<th>Size and Weight of Casing (Feet)</th>
<th>Depth (Feet)</th>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td></td>
<td>surface 54</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well... raise 15 feet...
Shut-in Pressure for Flowing Well...
Pumping Water Level... 38 ft...
Discharge in gal per min of flowing well...
How Tested: bail... 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)


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.
Water Well Log #241

State of Montana
County of McCone
Office of Clerk and Recorder.

Filed this 6th day of November, A.D. 1963, at 10:45 o'clock A.M.

By

[Signature]
Clerk and Recorder

Fees $2.00
### WATER WELL LOG

**Owner:** James Huffman  
**Address:** Berkeley, Mont

**Driller:** Harry Johnson  
**Address:** Terry, Mont

**Date Started:** July 23-59  
**Date Completed:** July 25-59

**Location:** Sec. 10  
T. 17  
R. 91  
½ sec.  
SE ¼  
NE ½

---

**Type of well:** Drilled  
**Equipment used:** Rotary

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

**Casing:**  
- ft. to 28.5 ft.  
- Type: "  
- Size: 4"

**Casing:**  
- ft. to ft.  
- Type:  
- Size:

**Perforated or Screened:**  
- Ft. 180 to Ft. 220  
- Ft. to Ft.  
- Type:  
- Size:

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 12.5 ft.

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

**Pumping water level:** 180 ft. at 12 gal. per min.

**How tested:** \(\square\) \(\square\)  
**Length of test:**  
**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 - 5</td>
<td>Yellow Loam</td>
</tr>
<tr>
<td>5 - 12</td>
<td>Blue Sandstone</td>
</tr>
<tr>
<td>12 - 45</td>
<td>Yellow Sandstone</td>
</tr>
<tr>
<td>45 - 65</td>
<td>Blue shale</td>
</tr>
<tr>
<td>65 - 71</td>
<td>White shale</td>
</tr>
<tr>
<td>75 - 77</td>
<td>Sandrock</td>
</tr>
<tr>
<td>77 - 90</td>
<td>Blue shale</td>
</tr>
<tr>
<td>90 - 95</td>
<td>Gray Sand</td>
</tr>
<tr>
<td>95 - 140</td>
<td>Blue shale</td>
</tr>
<tr>
<td>140 - 185</td>
<td>Gray Sandstone</td>
</tr>
<tr>
<td>185 - 197</td>
<td>Coal</td>
</tr>
<tr>
<td>197 - 218</td>
<td>Gray Sandstone</td>
</tr>
<tr>
<td>218 - 225</td>
<td>Blue shale</td>
</tr>
</tbody>
</table>

Doc. No. 119273
Water Well Log File No. 26
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.

Static Water Level for non-flowing well: 
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 
Discharge in gal. per minute: 

How Tested: 
Length of Test: 
Remarks: (Gravel packing, cementing, packers, type of strata, etc.)

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).

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: 

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

Owner: Harley Berry  Address: Broadway, Montana
Driller: Ira C. Bond  Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 
Date well started: 10/21/63  Date Completed: 10/24/63

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

Water Use: Domestic  Municipal  Stock  Irrigation
   Industrial  Drainage  Other

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

<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>7&quot;</td>
<td>7&quot; 00</td>
<td>surface</td>
<td>25</td>
<td>none</td>
</tr>
<tr>
<td>5 5/8</td>
<td>4&quot; ID</td>
<td>20</td>
<td>105</td>
<td>5/16 burned</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 35 35 feet.
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 30 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well: 
How Tested: 80 hours  Length of Test: 2 hours

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

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 Appropriaor.
DOC. NO. 126984
WATER WELL LOG FILE NO. 269

HARLEY BERRY

TO

THE PUBLIC

STATE OF MONTANA )
COUNTY OF FLOODON) )SS

OFFICE OF CLERK AND RECORDER

Filed this 15th day of December 1963
at 11:35 o'clock a.m.

Merry

Clerk & Recorder

FEE $ 2.00
### WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
</table>

#### Location
- Sec. __, T. __ R. __

#### Water Use
- Stock: X
- Domestic: ❑
- Municipal: ❑
- Industrial: ❑
- Drainage: ❑
- Other: ❑
- Irrigation: ❑

#### Casing
- Type: Steel
- Size: 4.1 in.
- Length from ft. to ft.: 0 to 30

#### Perforated or Screened
- Type of Screen or Perforations: Steel Casing Drilled
- Length from ft. to ft.: 19.4 to 30

#### Static Water Level, for non-flowing well
- 50 ft.

#### Shut-In Pressure, for flowing well
- Date: (date)

#### Pumping Water Level
- 126 feet at 16 gal. per min.

#### How Tested
- Bailes

#### Length of Test
- 45 min

#### Remarks
- Gravel Packing

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 40</td>
<td>Yellow</td>
</tr>
<tr>
<td>40 - 45</td>
<td>Coal</td>
</tr>
<tr>
<td>45 - 50</td>
<td>Sand #20, H 2 0</td>
</tr>
<tr>
<td>50 - 128</td>
<td>Blue Clay</td>
</tr>
<tr>
<td>128 - 138</td>
<td>Coal</td>
</tr>
<tr>
<td>138 - 230</td>
<td>Sand #20</td>
</tr>
</tbody>
</table>

Robert Schmidt

To

The Public

[Signature]

Record-127697

[Signature of Clerk and Recorder]

Filed this __th day of September, A.D. 1958

[Signature of Clerk and Recorder]
Form No. 18

<table>
<thead>
<tr>
<th>T.</th>
<th>R.</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>17</td>
<td>45</td>
<td>MC CUNE</td>
</tr>
</tbody>
</table>

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner: KALIS UND RANCH, INC.  Address: BROOKWAY, MONT.
Driller: JOHNSON  Address: TERRY, MONT.
Date Started: JULY 1947  Date Completed: JULY 1947
Location: Sec. 23 T. 17 R. 45 1/4 sec. NW1/4 of NW1/4

<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 [ ]  Municipal [ ]  Stock [X]  Irrigation [ ]
Industrial [ ]  Drainage [ ]  Other [ ]

Casing: 0 ft. to 130 ft. Type STEEL  Size 5 INCH
Casing: ______ ft. to ______ ft. Type ______  Size ______
Casing: ______ ft. to ______ ft. Type ______  Size ______

Perforated or Screened: Ft. 100 to Ft. 130. Ft. ______ to Ft. ______

Type of screen or perforations: BURNED WITH ACETYLENE TORCH

Static Water level, for non-flowing well: 40 FEET FROM TOP FEET.
Shut-in pressure, for flowing well: ______ lb./sq. in. on: ______

Pumping water level: 100 feet at 9 gal. per min.

How tested: BALEO

Length of test: 2 MINUTES

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>130</td>
<td><strong>UNKNOWN</strong></td>
</tr>
</tbody>
</table>

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**Log of Well**

<table>
<thead>
<tr>
<th>DOC. NO.</th>
<th>122469</th>
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<tbody>
<tr>
<td>WATER WELL LOG # 63</td>
<td></td>
</tr>
</tbody>
</table>

**State of Montana**

**County of McCone**

Office of Clerk and Recorder.

Filed this 22nd day of June, A.D. 1965.

At 9:02 o'clock A.M.

By:  
For MARRIAGE.

[Signature]

[Signature]
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Frank Cotton
Address: Brookley, Montana

Driller: Don Cotton
Address: 315 7th Ave., Donora

Date of Notice of appropriation of groundwater: November 28, 1962

Date well started: Nov. 28, 1962

Date completed: December 2, 1962

Type of well: TILLED

Equipment used: CABLE TOOL

(Deg. driven, bored or drilled)

(Crane drill, rotary or other)

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, gravel, sand, 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: 52 feet

Shut-In Pressure for Flowing Well:

Pumping Water Level: 75 feet

at: 3 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: DALLER

Length of Test: 6 hours

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

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

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, tune 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
FRANK KASTEN, JR.
EROSWAT, MONTANA

TO: THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE, SS

The within instrument was filed for record on December 11th, 1969 at 2:50 o'clock, P. M. and is duly recorded in Book Filed, records of McCone County.

By: L. L. Wearne
County Clerk & Recorder

Fee: $2.00 Paid
### Water Well Log

**Date Stamped:**
- T 17 R 45
- County DEEVE
  - Dec 1961

**Owner:** J W Schmidt  
**Address:** Brookway, Mont.

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

**Date Started:** Nov 21, 61  
**Date Completed:** Dec 25, 61

**Location:** Sec. 28 T. 17 R. 45 
**Sec:** 45  
**Sec:** 46

**Type of Well:** Drilled  
**Equipment Used:** (Churn, drillery, other)

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

**Casing:**  
- 0 ft. to 227 ft.  
- Type: [ ]  
- Size: [ ]

**Perforated or Screened:**  
- Ft. 150 to ft. 157  
- Ft. 215 to ft. 237

**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:**  
- 200 feet at: [ ] gal. per min.

**How Tested:** [ ]

**Length of Test:** 2 hr.

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

---

(oct)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>yellow loam</td>
</tr>
<tr>
<td>15</td>
<td>yellow shale</td>
</tr>
<tr>
<td>25</td>
<td>coal</td>
</tr>
<tr>
<td>30</td>
<td>blue sandstone</td>
</tr>
<tr>
<td>70</td>
<td>yellow sandstone</td>
</tr>
<tr>
<td>95</td>
<td>blue sandstone</td>
</tr>
<tr>
<td>145</td>
<td>coal</td>
</tr>
<tr>
<td>157</td>
<td>blue sandstone</td>
</tr>
<tr>
<td>209</td>
<td>coal</td>
</tr>
<tr>
<td>217</td>
<td>blue sandstone</td>
</tr>
<tr>
<td>217</td>
<td>blue sandstone</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)

STATE ENGINEER

Declared Rights:  

- Name of Appropriator: [Name]
- Address: [Address]
- Town: [Town]
- County: [County]
- State: [State]
- Date of Declaration: Jan 16, 1964

The beneficial use on which the claim is based: [Use for Home and Livestock]

- Date or approximate date of earliest beneficial use: June 1921
- Continuous use: [Yes/No]

The amount of groundwater claimed (gallons or cubic feet per minute): 10 gals 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:

- Irrigated garden
- Pumps and windmills

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

- Location of well or other means of withdrawal

The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 1921

The depth of water table: 150 feet

The estimated amount of groundwater withdrawn each year: 262,000 gals per year

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

- Only log available is gray loam, coal, and water-bearing sand

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

Signature of Owner: [Signature]

Date: December 30, 1963

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

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

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

File No. 36339
STATE OF NEVADA

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963, A.D. at 12:30 o'clock a.m.

TO THE PUBLIC

YOU ARE HEREBY NOTIFIED

SELECTED FOR RECORD

DOC. NO. 124237

JEANETTE D. COOK
COUNTY CLERK

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)

Robert Schmitz
(Name of Appropriator)

County of Missoula
(State of Montana)

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

1. NE W NE Sec. 29, T. 17 N., R. 45 E.
    Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Oct. 1951 6 months out of year

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 gal

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

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

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

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: open-dug well, 30 ft depth

10. The estimated amount of groundwater withdrawn each year: 24,000 gal minimum

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: no record

Signature of Owner: Robert Schmitz
Date: Dec. 31, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Doc. No. 127287

Water Well Log # 526

Robert & Laurine Schmidt
To
The Public

State of Montana 
County of McLean

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of January, 1964, A. D.,
at 12:17 A. M.

County Clerk

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)

Robert Schmidt
of
Blackfoot
of
Town
of

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

2. The beneficial use on which the claim is based:
   - Stock water
   - Household use
   - Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - A - March 1964
   - B - June 1965

4. The amount of groundwater claimed (in miner's inches or gallons per minute): A - all the water that is needed for stock, household use, and irrigation. B - water for stock use only.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - A - electric motor
   - B - jet pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - A - June 1964
   - B - June 1965

8. The depth of water table:
   - A - 50 ft
   - B - 18 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   - A - drilled well, 4 inches, 115 ft depth
   - B - jet pump, 5 inches, 115 ft depth

10. The estimated amount of groundwater withdrawn each year:
   - A - unknown
   - B - unlimited

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

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

Signature of Owner: Robert Schmidt
Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Doc. No. 127288

Water Well Log No. 627

Robert & Laurine Schmidt

TO

The Public

State of Montana
County of McCone

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of January, 1964, A. D.,
at 9:18 A. M.

[Signature]
County Clerk

Fee: $2.00
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

RECEIVED

JUL 26 1961

Owner: HAGLUND RANCH INC
Address: BROCKWAY, MONT

Driller: BILL JOHNSON
Address: TERRY, MONT

Date Started: OCT 1938
Date Completed: OCT 1938

Location: Sec. 32 T. 17N R. 45E 1 sec. 56 NW4

<table>
<thead>
<tr>
<th>Type of well</th>
<th>DRILLED</th>
<th>Equipment used</th>
<th>CHURV DRILL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Stock □</td>
<td>Irrigation □</td>
</tr>
<tr>
<td></td>
<td>Industrial</td>
<td>Drainage □</td>
<td>Other □</td>
</tr>
</tbody>
</table>

Casing: 0 ft. to 200 ft. Type STEEL Size 5"

Casing: ______ ft. to ______ ft. Type ______ Size ______

Casing: ______ ft. to ______ ft. Type ______ Size ______

Perforated or Screened: Ft. _______ to ft. _______

Type of screen or perforations: Unknown

Static Water level, for non-flowing well: 60' from bottom _______ feet.

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

Pumping water level: 20' feet from bottom _______ gal. per min. _______

How tested: Pump

Length of test: _______

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

Unknown

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>200</td>
<td></td>
<td>Unknown</td>
</tr>
</tbody>
</table>

**DOC. NO.** 122471
WATER WELL LOG # 65

State of Montana  
County of Missoula  
Office of Clerk and Recorder  
Filed this 22nd day of June 8th 1961  
at 9:05 A.M.  
Pr.  
Fee: $50.00
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Robert Dyer
Address: Brooklyn, Montana

Driller: J.C. Dyer
Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: October 3, 1964
Date Completed: October 6, 1964

Type of well: Drilled
Equipment Used: Drilled
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>Elevation of Ground Water (Feet)</th>
<th>Top of Drilled Hole (Feet)</th>
<th>Depth of Drilled Hole (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 &amp; 5 8 ft.</td>
<td>11 lb.</td>
<td>surface 110</td>
<td>90</td>
<td>107</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 60 feet.
Shut-in Pressure for flowing well: 

Pumping Water Level: 95 feet.
Discharge in gals. per minute: 

Tested: 14.5 gals. per minute. Length of Test: 2 hours.

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

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.
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Location</th>
<th>Officer</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 4th, 1965</td>
<td>4:15 PM</td>
<td>Clerk and Recorder's Office</td>
<td>John Smith</td>
<td>Filed</td>
</tr>
</tbody>
</table>

Fee: $2.00
## Groundwater Index

### Table of Appropriator Information

<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>Meling, James H.</td>
<td>GW-4</td>
<td>127132</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>GW-2</td>
<td>135202</td>
<td></td>
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<tr>
<td>4</td>
<td>Goldberg, Herbert</td>
<td></td>
<td>134475</td>
<td></td>
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<tr>
<td>6</td>
<td>Gentle, Ephraim</td>
<td>GW-4</td>
<td>127332</td>
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<tr>
<td>11</td>
<td>Jordan, William C.</td>
<td></td>
<td>121501</td>
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<tr>
<td>16</td>
<td>MT State (Thompson, Ed)</td>
<td>GW-2</td>
<td>128497</td>
<td></td>
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<tr>
<td>27</td>
<td>Jordan, William C.</td>
<td></td>
<td>126266</td>
<td></td>
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<tr>
<td>34</td>
<td>Meling, William C.</td>
<td>GW-4</td>
<td>123774</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td></td>
<td>GW-3</td>
<td>128765</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. James N. Maline
   (Name of Appropiater)

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: April, 1945, all year, every year

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:

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: April, 1945

8. The depth of water table: about 135 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: about 260,000 gal per yr

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: do not know of any

Signature of Owner: James N. Maline

Date: Dec 30, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropiater.
WATER WELL LOG FILE NO. 474

JAMES H. MOLINE

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 31st day of Dec., 1963 A.D.
at 8:18 o'clock, a.m.

COUNTY CLERK

FEE: $2.00
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: James Moliny  Address: Broadway, Montana
Driller: Ira C. Bond and Sons  Address: Terry, Montana

Date of Notice of appropriation of groundwater:
Date well started: 02/24/1962  Date completed: 10/26/1967

Type of well:  Drilled  Length of Test: 32 hours
Equipment used: Cable tool
Water use:  Domestic  Shut-in Pressure for flowing well at 7 gal. per minute.
           Municipal  How Tested: Bailed
           Stock  Length of Test: Two hours
           Irrigation
           Industrial  Remarks: Gravel packing, cementing, pack-
           Drainage  ers, type of shutoff...cased off quickly...sand with 7" o.d. casing
           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 (in)</th>
<th>Size and Weight of Casings (in and lb.)</th>
<th>From (ft.)</th>
<th>To (ft.)</th>
<th>Kinds of Casings</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 3/4</td>
<td>7&quot; o.d.</td>
<td>0</td>
<td>22</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td>5 5/8</td>
<td>4 1/2&quot; o.d.</td>
<td>0</td>
<td>14</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well...

Shut-in Pressure for flowing well...

Pumping Water Level...

Discharge...

Show exact depth of bottom.

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

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

[Diagram showing location of well and place of use, if possible. Each small square represents 40 acres.]

(Continue on reverse side)
WATER WELL LOG No. 656
State of Montana
County of McCone
Office of Clerk and Recorder
Filed this 29th day of
December A.D. 1957 at 11:00 o'clock A.M.

[Signature]
Clerk and Recorder

[Signature]
Deputy

Fee $2.00
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:  
Harriett Goldburg  Address:  Brockway, Montana

Driller:  Ira C. Bond & Son  Address:  Terry, Montana

Date of Notice of appropriation of groundwater:  5/1/68

Date well started:  5/1/68  Date completed:  5/3/68

Type of well:  Drilled

Equipment used:  Cable tool

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>Rise and Weight of Coating</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>704</td>
<td>80</td>
<td>3/16</td>
<td>64</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 50 feet.

Shut-in Pressure for Flowing Well 20 gal. per minute.

Discharge in gal. per min. of flowing well 20 gal. per minute.

How Tested  4 hrs.

Length of Test  4 hrs.

Remarks: (Gravel packing, cementing, packers, type of cutoff)

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

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.

Driller’s License Number:  
Driller’s Signature:  

44, 6/19
THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE

The within instrument was filed for record on September 30th, 1968, A.D. at 10:00 O'clock a.m.

Glenda K. Gunn
County Clerk & Recorder

Fee $ 2.00
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

JACOB A./ER MAE CERCE
(Name of Appropriator)
Montana (Address) (Town)

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

2. The beneficial use on which the claim is based. Drinking(homes) Stock water & garden irrigation

3. Date or approximate date of earliest beneficial use, and how continuous the use has been. Pumpjack 1913 Continuous use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 5 gal./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. 48 feet on deep well, 14' in shallow wells.

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. 54 pipe in a drilled well, pipe extending to a depth of 140', first water reached at a depth of 48'. Pumpjack installed and may be operated by either electric motor or gasoline engine. One shallow well has handpump, the other is equipped for windmill and electric motor.

10. The estimated amount of groundwater withdrawn each year. Est. 310,000 gal./year

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

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

Signature of Owner: Jacob Decker

Date: December 17, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 301

LOG NO. 127049

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 26th day of December, A.D. 1953
at 11:15 o'clock A.M.

By

JACOB GACKLE
TO
THE PUBLIC
### WATER WELL LOG

**Owner:** William C. Jordan  
**Address:** Broadway, Montana

**Driller:** Fred C. Bond  
**Address:** Terry, Montana

**Date Started:** May 13, 1958  
**Date Completed:** May 14, 1958

**Location:** Sec. 12, T. 37, R. 46, W. II, M. of the S.

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

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

**Casing:**  
- 0 ft. to 23 ft.  
- Type: Steel  
- Size: 6 inch

**Casing:**  
- 24 ft. to 72 ft.  
- Type: Steel  
- Size: 4 inch

**Casing:**  
- Ft. to Ft.  
- Type:  
- Size:

**Perforated or Screened:**  
- Ft. to Ft.  
- Type of screen or perforations: 5/16 in. holes cut three in. apart with torch

**Static Water level, for non-flowing well:** 25 feet

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

**Pumping water level:** 63 feet at 6 gal. per min.

**How tested:** With bailer

**Length of test:** One hour

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

---

**STATE ENGINEER**

**RECEIVED**

**DEC 21 1960**

(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>10</td>
</tr>
<tr>
<td>10</td>
<td>13</td>
</tr>
<tr>
<td>13</td>
<td>16</td>
</tr>
<tr>
<td>16</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>34</td>
</tr>
<tr>
<td>34</td>
<td>54</td>
</tr>
<tr>
<td>54</td>
<td>66</td>
</tr>
<tr>
<td>66</td>
<td>72</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: William O. Jordan
Address: Broadway, Montana

Driller: Ina O. Jordan
Address: Terry, Montana

Date Started: September 5, 1960
Date Completed: Sept. 10, 1960

Location: Sec. 15 T. 17 R. 66 1/4 sec. 114

Type of well: 
Equipment used: Noble tool

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

Casing: 0 ft. to 100 ft. Type: 7 in. O. D. Size: Steel
Casing: 106 ft. to 276 ft. Type: Steel Size: 4 in.
Casing: □ ft. to □ ft. Type: □ Size: □

Perforated or Screened: Ft. 5/16 in. holes out 3 in. apart with torch

Static Water level, for non-flowing well: 100 feet.

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

Pumping water level: 126 feet at □ gal. per min.

How tested: with tailer

Length of test: two hours

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

Received
Dec. 27, 1960

STATE ENGINEER
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 - 20</td>
<td>Yellow sandy clay</td>
</tr>
<tr>
<td>20 - 32</td>
<td>same</td>
</tr>
<tr>
<td>32 - 35</td>
<td>slight water showing</td>
</tr>
<tr>
<td>35 - 45</td>
<td>Yellow Sandy Clay</td>
</tr>
<tr>
<td>45 - 54</td>
<td>Clay</td>
</tr>
<tr>
<td>54 - 63</td>
<td>Fine water sand - 21 gpm</td>
</tr>
<tr>
<td>63 - 67</td>
<td>Coal</td>
</tr>
<tr>
<td>67 - 72</td>
<td>Gumbo</td>
</tr>
<tr>
<td>72 - 76</td>
<td>Coal</td>
</tr>
<tr>
<td>76 - 86</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>86 - 90</td>
<td>Clay</td>
</tr>
<tr>
<td>90 - 96</td>
<td>Water sand</td>
</tr>
<tr>
<td>96 - 100</td>
<td>Clay</td>
</tr>
<tr>
<td>100 - 104</td>
<td>Water Sand</td>
</tr>
<tr>
<td>104 - 112</td>
<td>Gumbo</td>
</tr>
<tr>
<td>112 - 125</td>
<td>Water sand</td>
</tr>
<tr>
<td>125 - 157</td>
<td>Gumbo</td>
</tr>
<tr>
<td>157 - 172</td>
<td>Water Sand</td>
</tr>
<tr>
<td>172 - 181</td>
<td>Gumbo</td>
</tr>
<tr>
<td>181 - 185</td>
<td>Sandstone</td>
</tr>
<tr>
<td>185 - 207</td>
<td>Gumbo</td>
</tr>
<tr>
<td>207 - 234</td>
<td>Rock</td>
</tr>
<tr>
<td>234 - 254</td>
<td>Sandstone</td>
</tr>
<tr>
<td>254 - 258</td>
<td>Gumbo softer</td>
</tr>
<tr>
<td>258 - 263</td>
<td>Water sand</td>
</tr>
<tr>
<td>263 - 264</td>
<td>Coal</td>
</tr>
<tr>
<td>264 - 273</td>
<td>Water sand</td>
</tr>
<tr>
<td>273 - 275</td>
<td>Soft Gumbo</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Notice of Appropriation of Groundwater

Date of Notice of Appropriation of Groundwater

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 From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8</td>
<td>10 7/16</td>
<td>0</td>
<td>46</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 21 feet.

Shut-in Pressure for Flowing Well: N.F. gal.

Pumping Water Level: 21 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well 

How Tested:  

Length of Test: 139.

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)

Driller's License Number:  

Driller's Signature:  

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Approprietor.
State of Montana
County of McCone
Office of Clerk and Recorder.
Filed this: 11th day of

Dale B. Moore
Clerk and Recorder

Fee $2.00
<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Cable Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>(Drill, driven, bored, or drilled)</td>
</tr>
<tr>
<td>Water use</td>
<td></td>
<td></td>
<td>(Churn drill, rotary, other)</td>
</tr>
<tr>
<td>Domestic</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>Municipal</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Stock</td>
<td>☑</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Irrigation</td>
<td>☐</td>
<td>☐</td>
<td>☑</td>
</tr>
<tr>
<td>Industrial</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Drainage</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
<tr>
<td>Other</td>
<td>☐</td>
<td>☐</td>
<td>☐</td>
</tr>
</tbody>
</table>

- Casing: 8 ft. to 56 ft. Type: Steel Size: 4 in.
- Casing: ft. to ft. Type: Size:
- Casing: ft. to ft. Type: Size:
- Perforated or Screened: Ft. 41 to Ft. 54 Ft. to Ft.
- Type of screen or perforations: 5/16 in. holes out three in. apart with torch
- Static Water level, for non-flowing well: 30 feet.
- Shut-in pressure, for flowing well: lb/sq. in. oh: (date)
- Pumping water level: 45 feet at 6 gal. per min.
- How tested: with bailer
- Length of test: one hour

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>0</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>17</td>
<td>Gravel</td>
</tr>
<tr>
<td>20</td>
<td>Sandy Clay and Gravel</td>
</tr>
<tr>
<td>22</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>30</td>
<td>Clay</td>
</tr>
<tr>
<td>4223</td>
<td>Water sand</td>
</tr>
<tr>
<td>53</td>
<td>Gumbo</td>
</tr>
</tbody>
</table>

Log of Well
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. William J. & Mary Machin, of 903 S. Jordan, Miles City
(Name of Appropriator) (Address)

County of:                  State of: Montanna
(Town)

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

<table>
<thead>
<tr>
<th>Wk.</th>
<th>Sec.</th>
<th>T.</th>
<th>R.</th>
</tr>
</thead>
<tbody>
<tr>
<td>15-16-46</td>
<td>17-65-34-17-46</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based: Irrigation, Stock & Domestic Use.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 gals 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: Windmills, Br. Location

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Dec. 24, 1924. and Oct. 4, 1925.

8. The depth of water table: 84' (1924 well), 122' (1944 well).

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: 32" casing (1924 well), 44" Cylindrical (1944 well), 3" Pump Rods.

10. The estimated amount of groundwater withdrawn each year: 3 gals. per min.

11. The log of formations encountered in the drilling of each well if available: Soft brown and sandy water bearing sandstone, 84' to 96'. 44' well is downtown water 122 to 140.

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: The 3, 5, 9, 11, 1.96.

Signature of Owner: William J. Machin
Date: March 26, 1964

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; Triplcgle to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

35.
WATER WELL LOG # 210

123775

State of Montana
County of McCone
Office of Clerk and Recorder.

Filed this 20th day of March, A.D. 1962
at 4:05 o'clock P.M.

[Signature]

By:

Fee: $2.00
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: March, 1962

Owner: Nemo Mack
Address: 502 S. Jordan Mill
Contractor (if any): Charles Clark
Address of Contractor: Terry Montana

Date Started: July 5, 1961
Date Completed: July 7, 1961

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

Border Dikes to contain run-off water and to spread run-off water.

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.

Indicate point of appropriation and place of use, if possible.

Signature of Owner: Nemo Mack
Date: March 30, 1962

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
WATER WELL LOG # 209

State of Montana  
County of McCone  
Office of Clerk and Recorder

Filed this ______ March 20 ______ day of  
March ______ A.D. 19__

of 4:00 o'clock P.M.

[Signature]

Sherriff and Recorder

Fee $2.00