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

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Kate Schultz  
**Address:** Ekalaka, Mont.

**Driller:** Merle R. Bandy  
**Address:** Belt Fourche, S.D.

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

- **Date well started:** 7-1-62  
- **Date Completed:** 7-2-62

**Type of well:** Drilled  
**Equipment Used:** Rotary (dug, driven, bored or drilled)

**Water Use:**
- Domestic  
- Stock  
- Irrigation

**Static Water Level for non-flowing Well:** 86 feet

**Shut-in Pressure for Flowing Well**

**Pumping Water Level:** 11.5 feet at 10 gal. per minute.

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

**How Tested:** Pumped  
**Length of Test:** 1 Hour

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

---

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>57.6</td>
<td>4.10.11</td>
<td>0</td>
<td>197</td>
<td></td>
</tr>
</tbody>
</table>

**Driller's License Number:** 112  
**Driller's Signature:**

---

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Filed for Record

JUL 3 1962

[Signature]

Fee paid $2.00
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Nov. 1958

Owner: Kate Schulte
Address: [Address]

Contractor (if any): [Name]
Address of Contractor: [Address]

Date Started: Dec. 25, 1958
Date Completed: July 21, 1958

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water obtained by digging a basin about 3 ft. deep to a clay layer then opening a water main. A cement well built to guide water to source from ground. The creek point through an adjacent pipe to drainage ditch. Basin complete within 1st year or next.

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: Kate Schulte
Date: Dec. 9, 1963

This form to be prepared by contractor (if any), otherwise by the owner. Contractor's name available.

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.
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Donald J. Schults</th>
<th>Address</th>
<th>Ekalaka, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Marlo R. Sandy</td>
<td>Address</td>
<td>Belle Fourche, S.D.</td>
</tr>
<tr>
<td>Date Started</td>
<td>June 6, 1959</td>
<td>Date Completed</td>
<td>June 9, 1959</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 23, T. 2 S. R. 568 1/4 sec. NW.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Rotary</th>
<th>(Dug, driven, bored, or drilled)</th>
</tr>
</thead>
</table>

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

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>How tested:</th>
<th>pumped</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>1 hrs</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
</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>4</td>
<td></td>
<td>Surface</td>
</tr>
<tr>
<td>4</td>
<td>23</td>
<td></td>
<td>Gray &amp; Tan Shale</td>
</tr>
<tr>
<td>23</td>
<td>34</td>
<td></td>
<td>Brown shale with streaks of coal</td>
</tr>
<tr>
<td>34</td>
<td>42</td>
<td></td>
<td>Light gray shale</td>
</tr>
<tr>
<td>42</td>
<td>53</td>
<td></td>
<td>Light gray sandy shale</td>
</tr>
<tr>
<td>53</td>
<td>55</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>55</td>
<td>57</td>
<td></td>
<td>Brown shale</td>
</tr>
<tr>
<td>57</td>
<td>58</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>58</td>
<td>96</td>
<td></td>
<td>Green Sandy shales, streaks of sand</td>
</tr>
<tr>
<td>96</td>
<td>104</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>104</td>
<td>125</td>
<td></td>
<td>Light blue &amp; tan shale</td>
</tr>
<tr>
<td>125</td>
<td>152</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>152</td>
<td>182</td>
<td></td>
<td>Light gray &amp; tan shale</td>
</tr>
<tr>
<td>182</td>
<td>236</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>236</td>
<td>253</td>
<td></td>
<td>Light gray silty shale</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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. Groundwater will used for livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been, if it has been continuously since that date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 8 gal. per min.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Comprise of a description described at left.

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. 90 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. 15,000

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

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

Signature of Owner: __________________________
Date: ____________

This copy 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 Appropriate.
Declaration of Vested Groundwater Rights

COUNTY OF ___, State of Montana

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

1. ____________ , of ____________, (Address) ____________, (Town)

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well ENGINEER

(Under Chapter 237. Montana Session Laws, 1961)

Owner: CARSON  Address: Ekalaka, MONT.
Driller: MERLE R. BANDY  Address: Belle Fourche, S.D.
Date of Notice of Appropriation of Groundwater
Well started: 6-29-62  Date Completed: 7-1-62
Type of well: Drill  Equipment Used: Rotary
Water Use: Domestic  Municipal  Stock  Irrigation  Industrial  Drainage  Other

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 Pumps</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 180 feet.
Shut-in Pressure for flowing well
Pumping Water Level: 2.42 feet at 8.5 gal. per minute.
Discharge in gal per min. of flowing well
How Tested: Pumped  Length of Test: 1½ hrs.
Remarks: (Gravel packing, cementing, packers, type of shut-off, 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)

Filed for Record
Driller's License Number
Driller's Signature

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

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

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

Notice of Completion of Groundwater Appropriation by Means of Well

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

Owner: George Varitek
Address: Ennis, Montana
Driller: Steve J. Iss
Address: Ennis, Montana

Date of Notice of appropriation of groundwater: Dec 15, 1969
Date completed: June 5, 1970

Type of well: Drilled
Equipment used: Rotary
(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, thinnest and character of water-bearing strata and height to which the water rises in the well.

Static Water Level for non-flowing well 100 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level: 17 feet
Discharge in gal. per min. of flowing well

How Tested: __________
Length of Test: __________

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

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: __________

46398
128831

CARTER COUNTY
KALAXA, MONTANA
Filed for Record
- 9:30 - 9:30
JUN 1 0:370

Jane M. Bremer
Deputy
Til: $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)

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

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

---

**Owner:** Kniel Ranch

**Address:** Edalake, MT

**Date well started:** 10-14-71

**Date well completed:** 10-19-71

**Type of well:** Drilled

**Equipment used:** Rotary

**Water Use:** Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☒ Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

**Describe:**

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

---

**ESTIMATED ANNUAL WITHDRAWAL:** 130,000

---

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### PERFORATIONS

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Diameter (in)</th>
<th>Flow (gpm)</th>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 1/2</td>
<td>4</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>200</td>
<td>16</td>
<td>0</td>
<td>200</td>
<td>300</td>
</tr>
</tbody>
</table>

---

### Static water level

**135 ft.**

### Pumping water level

**160 ft.**

at **103 gallons per minute**, measured **30 minutes** after pumping began.

*Measured from ground level.*

Well developed by

---

### Power

---

### Remarks:

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

---

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

---

**Driller's Signature:**

---

**Driller's Address:**

---

**LICENSE NO.:** 72

---

**Show exact depth of bottom:**

---

**License No:** 49459
## GROUNDWATER INDEX

**County:** CARTER  
**Twp.:** 25  
**Rge.:** 5NE

<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>3</td>
<td>JONES, EMMETT T.</td>
<td>WAT-4</td>
<td>112601</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>CASEY, JOE</td>
<td>WAT-4</td>
<td>5631</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>NORTUM, JOE</td>
<td>WAT-2</td>
<td>114601</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Contractor (CADDice)</td>
<td>WAT-2</td>
<td>117614</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>RYDER, WEA</td>
<td>WAT-4</td>
<td>115670</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>LODER, PETER</td>
<td>WAT-4</td>
<td>114470</td>
<td></td>
</tr>
</tbody>
</table>
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>1.</th>
<th>Name of Appropriator</th>
<th>2.</th>
<th>The beneficial use on which the claim is based.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Emmett T. Jones</td>
<td>2</td>
<td>watering livestock.</td>
</tr>
<tr>
<td></td>
<td>Carter</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**State of Montana**

**Office of State Engineer**

**Declaration of Vested Groundwater Rights**

- **County of** Carter
- **State of** Montana

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

- **Lot 4 of Sec. 3, T. 43N, R. 57E.**

  Indicates point of appropriation and place of use, if possible. Each small square represents 10 acres.

1. **Date or approximate date of earliest beneficial use: and how continuous the use has been.** 1940 and continuously since then.
2. **The amount of groundwater claimed (in miner's inches or gallons per minute).** 20 gallons per minute.
3. **If used for irrigation, give the area and description of the lands to which water has been applied and name of the owner thereof.** not applicable.
4. **Means of withdrawing such water from the ground and the location of each well or other means of withdrawal.** Pump, jack, and engine.
5. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.** About 1940.
6. **The depth of water table.** 15 feet.
7. **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.** 25 feet deep, 9 feet hole, 3 inch cylinder.
8. **The estimated amount of groundwater withdrawn each year.** not known.
9. **The log of formations encountered in the drilling of each well if available.** not known.
10. **Other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.** not known.

**Signature of Owner:** Emmett T. Jones

**Date:** December 23, 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.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Joe Gerw
Address: Kalpea, Montana

Driller: Maple, Sunny
Address: Bell Fourche So. Dak.

Date Started: 9/16/99
Date Completed: 9/19/99

Location: Sec. 6, T. 2 S, R. 97 E 1/4 sec. NE NW

Type of well: Drill
Equipment used: Rotary

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

Casing: 0 ft. to 214 ft. Type: Black-13 Size: 4 1/2

Casing: 214 ft. to 3 ft. Type: Size:

Perforated or Screened: Ft. 173 to Ft. 203

Type of screen or perforations: Slots cut with torch

Static Water level, for non-flowing well: 166 feet.

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

Pumping water level: 396 feet at 5 gal. per min. one

How tested: pumped

Length of test: 1 hour

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Surface</td>
</tr>
<tr>
<td>1</td>
<td>Sand</td>
</tr>
<tr>
<td>18</td>
<td>Sandy ten Shale</td>
</tr>
<tr>
<td>23</td>
<td>Sand</td>
</tr>
<tr>
<td>35</td>
<td>Ten Shale</td>
</tr>
<tr>
<td>42</td>
<td>Sand with streaks of ten shale</td>
</tr>
<tr>
<td>161</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>163</td>
<td>Sand</td>
</tr>
<tr>
<td>171</td>
<td>Blue Sandy Shale</td>
</tr>
<tr>
<td>178</td>
<td>Sand</td>
</tr>
<tr>
<td>207</td>
<td>Sandy Grey Shale</td>
</tr>
<tr>
<td>213</td>
<td>Gray Shale</td>
</tr>
</tbody>
</table>
**Notice of Completion of Groundwater Appropriation by Mead Engineering**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>Date of Notice of Appropriation of Groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Elev. above sea level)</td>
<td>Date well started: September 12, 1964</td>
</tr>
<tr>
<td>220 to 225</td>
<td>Sept 12, 1964</td>
</tr>
<tr>
<td>225 to 230</td>
<td>Date Completed: October 19, 1964</td>
</tr>
<tr>
<td>230 to 315</td>
<td></td>
</tr>
<tr>
<td>315 to 330</td>
<td></td>
</tr>
<tr>
<td>330 to 350</td>
<td></td>
</tr>
<tr>
<td>350 to 375</td>
<td></td>
</tr>
<tr>
<td>375 to 400</td>
<td></td>
</tr>
</tbody>
</table>

Date of Notice of Appropriation of Groundwater: September 12, 1964

Date well started: September 12, 1964

Date completed: October 19, 1964

Type of well: Drilled

Equipment Used: Casing

(Churn, drill, rotary or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Strata</th>
<th>Size and Weights of Casing</th>
<th>Press (Feet)</th>
<th>To (Feet)</th>
<th>PERFORMANCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>21 ft.</td>
<td></td>
<td>10</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 ft.</td>
<td></td>
<td>20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>19 ft.</td>
<td></td>
<td>30</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18 ft.</td>
<td></td>
<td>40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17 ft.</td>
<td></td>
<td>50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>16 ft.</td>
<td></td>
<td>60</td>
<td></td>
<td></td>
</tr>
<tr>
<td>15 ft.</td>
<td></td>
<td>70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14 ft.</td>
<td></td>
<td>80</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13 ft.</td>
<td></td>
<td>90</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 20.0 feet.

Shut-in Pressure for Flowing Well: 220.0 feet at 4.0 gal. per minute.

Pumping Water Level: 220.0 feet at 4.0 gal. per minute.

Discharge in gal. per min. of flowing well: 2.0 gal. per min.

How Tested: Basal Length of Test: 12 ft.

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)

| Remarks | |
|---------| |
|         | |

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number: 60

Driller's Signature: ________________

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

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

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

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

Owner: 
Address: 

Driller: 
Address: 

Date of Notice of completion of groundwater:

Date well started: 
Date completed: 

Type of well:
Drilled
Equipment used:
Rotary
(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.

Static Water Level for non-flowing well
360 feet.

Shut-in Pressure for Flowing Well
Pumping Water Level:
6 psi
Discharge in gal. per min. of flowing well

How Tested: Pumped
Length of Test:
Remarks: (Gravel packing, cementing, packers, type of shut-off)

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 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
CARTER COUNTY
EKALAKA, MONTANA
Filed for Record
2:45 AM
OCT 3 1966

[Signature]
[Signature]
[Stamp: $2.00]
## WATER WELL LOG

**Owner**: W. A. Settler  
**Address**: Box 1, Huntley, Montana

**Driller**: Martin L. Sandy  
**Address**: Belle Fourche, S. D.

**Date Started**: 9/4/97  
**Date Completed**: 9/11/97

**Location**: Sec. 23, T. 2 S., R. 57 E., 1/4 sec. N.E. 

### Type of well
- **Equipment used**

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

### Casing
- **0** ft. to **213** ft.  
  **Type**:  
  **Size**:  

### Perforated or Screened
- **Ft. 160** to **ft. 212**  
  **Type**:  
  **Size**:  

### Static Water level, for non-flowing well
- **132** ft. from top

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

### Pumping water level
- **196** feet at 2 gal. per min.  
- **38**

### 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>Surface</td>
</tr>
<tr>
<td>2</td>
<td>Yellow rock Sand</td>
</tr>
<tr>
<td>45</td>
<td>Tan &amp; Gray Shale</td>
</tr>
<tr>
<td>65</td>
<td>Sand</td>
</tr>
<tr>
<td>124</td>
<td>Brown &amp; Tan Shale</td>
</tr>
<tr>
<td>132</td>
<td>Sand</td>
</tr>
<tr>
<td>161</td>
<td>Light Gray &amp; Fine Silt Shale</td>
</tr>
<tr>
<td>174</td>
<td>Streaks of Sand &amp; Sandy Gray Shale</td>
</tr>
<tr>
<td>190</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>202</td>
<td>Sand</td>
</tr>
<tr>
<td>208</td>
<td>Silty Gray Shale</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
</table>

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

This form is 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.
<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>HUBER CORPORATION</td>
<td>OW-2</td>
<td>11345</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>HUBER CORPORATION</td>
<td>OW-2</td>
<td>11030</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>KEROBY, ALICE</td>
<td>WATERWELL</td>
<td>10.549</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>CARR, XALON</td>
<td>OW-2</td>
<td>12.458</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>MADER, W.L.</td>
<td>WATERWELL</td>
<td>12.456</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>CARROLL, JAMES F</td>
<td>OW-4</td>
<td>11.055</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>COOK, CHESTER</td>
<td>OW-2</td>
<td>11.030</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>CARROLL, JAMES F</td>
<td>OW-1</td>
<td>11300</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>MADER, W.L.</td>
<td>WATERWELL</td>
<td>11.456</td>
<td>Added, 11/23/79</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Haber Corporation Address: Kalispell, Mont.
Driller: Ed R. Sikorski Address: Alkade, Mont.
Date of Notice of Appropriation of Groundwater: Aug. 16, 1963
Date well started: Aug. 21, 1963 Date Completed: Aug. 24, 1963
Type of well: bored Equipment Used: rotary
(dug, driven, bored or Churn, drill, rotary or drilled)
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>24&quot; Perforated haydite</td>
<td>0'</td>
<td>22'</td>
<td>5/16&quot; diagonal</td>
<td>16'</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: __________ Length of Test: __________ hr., __________ min.
- Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) __________

Gravel packed: 5/16" and 5/8" size gravel.

Indicate location of well and place of use, if possible. Each small square represents 10 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.

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.
Filed for Record

SEP 24 1933

County Clerk

J.R.

J.R.

File $2.00.
Top of Ground (estimate) (Elev. above sea level 3400)

No Form 1 Found

Water Level

Static Water Level for non-flowing Well...

Shut-in Pressure for Flowing Well...

Pumping Water Level...

Discharge...

Tested...

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 pertinent information, including number of acres irrigated, if used for irrigation)...

Indicate location of well and place of use, if possible. Each small square represents 10 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.

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.
Filed for Record

M. F. Hinkle
County Clerk

Nov 20, 1926

D. C. Deputy
WATER WELL LOG

Owner: W. L. Heder
Address: Kalispell, Mont.

Driller: Horle B. Bundy
Address: Belle Fourche So, Dak.

Date Started: 8 - 26 - 99
Date Completed: 8 - 27 - 99

Location: Sec. 12 T. 2-5 R. 99E 1/4 sec.

Type of well: Drilled
Equipment used: Rotary

Water use: Domestic ☐ Municipal ☐ Stock ☑ Irrigation ☐

Industrial ☐ Drainage ☐ Other: ☐

Casing: 0 ft. to 23 ft. Type: Black
Size: 6 1/8 in.

Casing: 23 ft. to 24 ft. Type: Size:

Casing: 24 ft. to 31 ft. Type: Size:

Perforated or Screened: 22 ft. to 31 ft.
Type of screen or perforations: Out w/ Torch

Static Water level, for non-flowing well: 18 ft.

Shut-in pressure, for flowing well: 2 lb./sq. in. on: (date)

Pumping water level: 32 feet at 20 gal. per min. one

How tested: Pumped

Length of test: 1 hour

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 22</td>
</tr>
<tr>
<td>22</td>
<td>Gravel</td>
</tr>
<tr>
<td>31</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>42</td>
<td></td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>James L. Curry</th>
<th>Address</th>
<th>Kalama, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>K. R. Brandy</td>
<td>Address</td>
<td>Belle Fourche, S. D.</td>
</tr>
<tr>
<td>Date Started</td>
<td>5-9-59</td>
<td>Date Completed</td>
<td>5-13-59</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 13 T. 2 S</td>
<td>R. 59 E</td>
<td>1/4 sec</td>
</tr>
</tbody>
</table>

**Type of well**  
Drilled: (Cem. driven, bored, or drilled)  
Rotary: (Churn drill, rotary, other)

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

**Casing:**  
- 0 ft. to 30 ft. Type: Blank 11 lb.  
- Size: 4 inch

**Perforated or Screened:**  
- 24 to 30 ft. Type: Cut with torch

**Static Water level, for non-flowing well:**  
- 15 ft. of top of hole __________ feet

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

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

**How tested:**  
- pumped

**Length of test:**  
- 1 hour

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0  to 7</td>
<td>Sandy clay</td>
</tr>
<tr>
<td>7  to 24</td>
<td>Gray clay</td>
</tr>
<tr>
<td>24  to 30</td>
<td>Gravel</td>
</tr>
<tr>
<td>30  to 40</td>
<td>Blue shale</td>
</tr>
</tbody>
</table>
**MONTANA BUREAU OF MINES AND GEOLOGY**
**Butte, Montana**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mrs. Alice Kingsley</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Mr. John Smith</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/24/59</td>
<td>5/31/59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>1/2 sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>2</td>
<td>59</td>
<td>1/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>Static Water level, for non-flowing well: 15 ft. from top:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>16 ft. from top:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>Pumping water level: 36 ft. feet at 20 gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>one</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>One hour</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>RECEIVED</th>
</tr>
</thead>
<tbody>
<tr>
<td>STATE ENGINEER</td>
</tr>
</tbody>
</table>

105439
### 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>21</td>
</tr>
<tr>
<td>21</td>
<td>36</td>
</tr>
<tr>
<td>36</td>
<td>48</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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

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

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

Owner: Ralph Curry
Address: 301 Lake, Missoula
File: 134294

Date well started: 10-17-72
Completed: 10-19-72

Type of well: Drilled

Equipment used: Rotary

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

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

ESTIMATED ANNUAL WITHDRAWAL: 2,000 gallons per day

<table>
<thead>
<tr>
<th>Site of Drilled Hole</th>
<th>Size and Location of Drilled Hole</th>
<th>Depth (feet)</th>
<th>To Date</th>
<th>PERFOREATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 1/2</td>
<td>9 in. x 11.5 ft. Plastic</td>
<td>0</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 15 ft.*
Pumping water level: 30 ft.*

*Measured from ground level.

Well developed by: Air

Power pump: 2 HP

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

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

Driller’s Signature: T. M. Brandon
Driller’s Address: Cripple Creek, S. Dak.

LICENSE NO: 112

Show exact depth of bottom: 51849
Form No. 18

T. 2 S  R. 59 E

County  Carter

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

<table>
<thead>
<tr>
<th>Water well owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>V. J. Mader</td>
<td>Kalua, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Henry Bryant</td>
<td>Kalua, Montana</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Location: Sec. 23 T. 2 S R. 59 E</th>
<th>sec. 23 W R.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well Drilled</th>
<th>Equipment used</th>
<th>rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(Drill, dive, core, or drilled) (Drush, core, core, other)</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: 0 ft. to 42 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Perforated round hole:</th>
<th>Ft. to ft.</th>
<th>Ft. to ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th></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>26 feet.</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:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(lbs)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>26 feet at 8 gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>length of test</th>
<th>1 hour</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>0</td>
</tr>
<tr>
<td>2</td>
</tr>
<tr>
<td>20</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

(State of Montana, Office of State Engineer)

(Name of Appropriaee) (Address) (Town)

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

2. The beneficial use on which the claim is based.
   - Residence

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   - 1960

4. The amount of groundwater claimed (in minor inches or gallons per minute).
   - 2 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   - Aug. 9, 1960

8. The depth of water table.
   - 25 feet

9. So far as may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   - Hand dug 34 feet

10. The estimated amount of groundwater withdrawn each year.
    - 456.265 gallons

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

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

Signature of Owner: James F. Carroll
Date: Dec. 30, 1963

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

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

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

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

Owner:__________________________ Address:__________________________
Driller:__________________________ Address:__________________________

Date of Notice of Appropriation of Groundwater__________________________
Date well started__________________________ Date Completed__________________________
Type of well Drilled Equipment Used Rotary (dug, driven, bored or drilled)
(dug, drill, rotary or drilled)

Water Use: Domestic Municip. Other Irrigation Industrial Drainage Stock

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

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__________________________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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Mr. James F. Carroll
(Name of Appropriator) (Address) (Town)

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

2. The beneficial use on which the claim is based

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 gallons per minute

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner
Date

There 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.

Filed 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>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>2</td>
<td>Warnick, Fred</td>
<td>G.W. 2</td>
<td>111151</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Weinert, George, Gross, Dave</td>
<td>G.W. 4</td>
<td>113377</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Summers, L. Kirby</td>
<td>G.W. 4</td>
<td>109352</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Kennedy, Phoebe</td>
<td>G.W. 4</td>
<td>113445</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Summers, L. Kirby</td>
<td>WATER WELL</td>
<td>104624</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Summers, L. Kirby</td>
<td>G.W. 4</td>
<td>109353</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Summers, L. Kirby</td>
<td>G.W. 4</td>
<td>112750</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Summers, L. Kirby</td>
<td>G.W. 4</td>
<td>109351</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Summers, L. Kirby</td>
<td>G.W. 4</td>
<td>112751</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Summers, L. Kirby</td>
<td>WATER WELL</td>
<td>103075</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Hailey, Dave</td>
<td>G.W. 2</td>
<td>129440</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Munsen, D.</td>
<td>WATER WELL</td>
<td>101460</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Summers, L. Kirby</td>
<td>G.W. 4</td>
<td>109350</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Kennedy, Phoebe</td>
<td>G.W. 4</td>
<td>113504</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Kennedy, Phoebe</td>
<td>G.W. 4</td>
<td>113503</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Kennedy, Phoebe</td>
<td>G.W. 4</td>
<td>113435</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Pigeon, Ada</td>
<td>WATER WELL</td>
<td>103299</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Kennedy, Phoebe</td>
<td>G.W. 4</td>
<td>113546</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER ADMINISTRATION
OFFICE OF STATE ENGINEER

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

Top of Ground
(Elev. above sea level)

Driller: Henry Brunn Address: Ekalaka, Mont.

Date well started: April 20 Date Completed: April 21

Type of well: Drilled Equipment Used: Rotary
(dug, driven, bored or 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.

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: (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)

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

This form is 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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(By Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

County of Carter
State of Montana

have appropriated 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:

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

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

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

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

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

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

8. The depth of water table:

9. The depth of water table:

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:

Date: Nov. 30, 1962

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

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

*Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.*
Filed for Record
12:00 A.M.

DEC 30 1963
Jane M. Brezler
Cuppy M. Lee
Fees: $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)

STATE ENGINEER

County of Carter State of Montana

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

1. Kirby L. Summers of Ekalaka

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

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: None

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: June 1946 - July 1946

8. The depth of water table: 120 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, 5 galvanized casing, 240' deep

10. The estimated amount of groundwater withdrawn each year: 18,000 gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not to my knowledge

Signature of Owner: Kirby L. Summers
Date: January 10, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Decleration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

NAME OF APPLICANT
Miles F. Kennedy

COUNTY
Carter

STATE OF MONTANA

Declaration of Vested Groundwater Rights

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: August 1, 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 gallons per minute

5. If used for irrigation, give the acres 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: August 1, 1950

8. The depth of water table: 200 feet

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

10. The estimated amount of groundwater withdrawn each year: Don't Know

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not in Record

Signature of Owner: Miles F. Kennedy
Date: Dec 30, 1961

This form 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.

Logged to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; Quadruplicate for the Appropriator.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Kirby L. Summers
Address: Esko Lake, Montana

Driller: Merle R. Rempel
Address: Belle Fourche, S.D.

Date Started: 5/13/59
Date Completed: 5/22/59

Location: Sec. 14, T. 2 S., R. 60 E., 34 sec. W.

Type of well: Drilled
Equipment used: Rotary

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

Casing: 0 ft to 60 ft Type: 5 in. used black 5 inch.
Casing: ft to ft Type: Size.
Casing: ft to ft Type: Size.
Perforated or Screened: Ft. 35 to Ft. 60 Ft. to Ft.

Type of screen or perforations: cut with torch

Static Water level, for non-flowing well: ____ feet
Shut-in pressure, for flowing well: ____________________________ lb. per sq. in. on: ____________________________

Pumping water level: __________ feet at __________ gal. per min. __________

How tested: pumped

Length of test: __________ hours

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

__________________________
__________________________
__________________________
__________________________
__________________________
__________________________
__________________________
__________________________

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>16</td>
</tr>
<tr>
<td>16</td>
<td>57</td>
</tr>
<tr>
<td>57</td>
<td>67</td>
</tr>
</tbody>
</table>
File No. 105353

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Kirby L. Summers, cf. Ekalaka
(State of Montana)

County of Carter

State of Montana

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

2. The beneficial use on which the claim is based

Stockwater Well

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

June 1957

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

4 gallons per minute

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

10 acres

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

June 1957

8. The depth of water table

40 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, 6' heavy steel casing 67' deep

10. The estimated amount of groundwater withdrawn each year

18,000 gallons

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

Not available

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

Not to my knowledge

Signature of Owner

Frieda J. Summers

Frieda J. Summers

January 10, 1962

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 Apprriator.