COUNTY OF ALAMEDA

Filed Record

cd 11/00

CCP 1/1966

Jane M. Brewster

Collin M. Seger

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)

Alice Carrington
(Name of appropriator)
Kalaka
(Address)

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:

   Spring stock water

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

   1961
   Used spring, summer and fall

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

   3 gal./min

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:

   Not for irrigation

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

   Natural flow, boxed and piped to steel tank

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

   None

8. The depth of water table:

   Surface

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

   Natural spring, cleaned out and boxed in in 1961

10. The estimated amount of groundwater withdrawn each year:

    1,300,000

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:

    County AGR Office

Signature of Owner

Date: June 10, 1961

This paper 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.

25152
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

[Name of Appropriator] (Address) (Town)

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

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

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

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

5. If used for irrigation, give the average 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: [Signature]

Date: [Date]

This page 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 Owner.
<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>15</td>
<td>Mallett Cattle Co.</td>
<td>Gu-3</td>
<td>15241</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Mallett Cattle Co.</td>
<td>Gu-4</td>
<td>15242</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Tooke, Faye</td>
<td>Individual Log</td>
<td>165714</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Krates, George</td>
<td>Individual Log</td>
<td>14746</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Name of Appropriate: Mallett Cattle Co.
Address: Miles City
Town: 
County of: Custer
State of: MT

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: 1912...

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

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:

Diverting Works
In Carter Co.
Filed in Custer Co.

Signature of Owner: Mallett Cattle Co.
Date: Dec 16, 1963

with the County Clerk and Recorder of the county in which the well is located, duplicate to the State Engineer; triplicate to the Montana Bureau for the Appropriator.
FILE

St 9:30 O'Clock A.M.
Dec. 16, 1863
H. E. Anderson

County Clerk and Ex-Officio Recorder
Coste County, Texas
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

MALLETT CATTLE CO. of MILES CITY

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

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1940

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1940

8. The depth of water table: 450

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:
   120 ft. 2 in. casing with built in cylinder
   Well saddle in 140 ft. of ground

10. The estimated amount of groundwater withdrawn each year: 500 Continuous Pump

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: Mallett Cattle Co.
Date: Dec. 16, 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.
Form No. 18  5-60

<table>
<thead>
<tr>
<th>Owner</th>
<th>Pre Tocka</th>
<th>Address</th>
<th>Kalispell, MT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>James H. Windle</td>
<td>Address</td>
<td>Butte, MT</td>
</tr>
<tr>
<td>Date Started</td>
<td>10/20/63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td>11/15/63</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location:</td>
<td>Sec. 3A, T. 2N, R. 55 E</td>
<td>sec. 34 E</td>
<td></td>
</tr>
</tbody>
</table>

**Type of well**  
(Dug, driven, bored, or drilled)

**Equipment used**  
(Rotary, churn, drill, rotary, other)

**Water use**  
(Domestic, Municipal, Stock, Irrigation)

**Industrial**  
(Drainage, Other)

**Casing:**  
(0 ft. to 135 ft. Type Steel Size 4 x 8)

**Perforated or screened:**  
(130 ft. to 60 ft. 0 ft. to ft.)

**Type of screen or perforations:**  
(Gravel packing)

**Static water level, for non-flowing well:**  
(60 feet)

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

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

**How tested:**  
(Drilled)

**Length of test:**  
30 minutes

**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 - 30</td>
<td>Sand</td>
</tr>
<tr>
<td>30 - 110</td>
<td>Shale</td>
</tr>
<tr>
<td>110 - 125</td>
<td>Sand</td>
</tr>
<tr>
<td>125 - 135</td>
<td>Shale</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>7 Nov 1959</td>
</tr>
<tr>
<td>Date Completed</td>
<td>20 Nov 1959</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 15 T 8 R 55 1/4 sec 1/4</td>
</tr>
<tr>
<td>Casing</td>
<td>Surface ft. to 154 ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Steel lined pipe</td>
</tr>
<tr>
<td>Diameter</td>
<td>4 inch</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>Ft. 1/2 to 154 ft.</td>
</tr>
<tr>
<td>Type of Screen or Perforations</td>
<td>Non-perforated galvanized pipe</td>
</tr>
<tr>
<td>Static Water level</td>
<td>60 feet</td>
</tr>
<tr>
<td>Shut-in pressure</td>
<td>0 lb./sq. in. on Nov 20, 1959</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>600 feet at 6 gal per min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Plastic</td>
</tr>
<tr>
<td>Length of test</td>
<td>2 hours</td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

(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>65 Wet Shale</td>
</tr>
<tr>
<td>65</td>
<td>90 Packed sand</td>
</tr>
<tr>
<td>90</td>
<td>105 Shale</td>
</tr>
<tr>
<td>105</td>
<td>115 Packed sand</td>
</tr>
<tr>
<td>115</td>
<td>145 Rock</td>
</tr>
<tr>
<td>145</td>
<td>165 Water Sand</td>
</tr>
</tbody>
</table>
## Groundwater Index

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>QUAM, OSCAR</td>
<td>GW-4</td>
<td>113328</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>TOORE, FAY</td>
<td>GW-4</td>
<td>113374</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>TOORE, C.F.</td>
<td>GW-4</td>
<td>110482</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>MARRISON, M.A.</td>
<td>GW-2</td>
<td>111670</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>MEYER, ANNA</td>
<td>GW-1</td>
<td>113443</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>CROW, HENRY</td>
<td>GW-2</td>
<td>113268</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>MEYER, CHESTER</td>
<td>Water Well Log</td>
<td>110499</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>KRISTEL, GEORGE</td>
<td>Water Well Log</td>
<td>110564</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>MEYERS, ANNA</td>
<td>GW-4</td>
<td>113499</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>HUTCHIN, WILLIAM</td>
<td>Water Well Log</td>
<td>110715</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>ALSD, JOHN A.</td>
<td>GW-4</td>
<td>113387</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>LASHING, CARL</td>
<td>GW-2</td>
<td>111840</td>
<td></td>
</tr>
</tbody>
</table>
**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**OFFICE OF STATE ENGINEER**

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

<table>
<thead>
<tr>
<th>County of</th>
<th>State of</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carter</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Water Use</th>
<th>Date or Approximate Date of Earliest Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watering</td>
<td>August 1961</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Amount with which the claim is based</th>
<th>3 gallons per minute</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>If used for irrigation, give the outline and description of the land to which water has been applied and name of the owner thereof</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>The amount of groundwater claimed (in miner's inches or gallons per minute)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 gallons per minute</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The means of withdrawing such water from the ground and the location of each well or other means of withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td>Windmill, pump</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The date of commencement and suspension of the construction of the well, wells, or other works for withdrawal of groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 1961</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The depth of water table</th>
</tr>
</thead>
<tbody>
<tr>
<td>220 feet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 feet galvanized tank, 570 feet, 4 inch casing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The estimated amount of groundwater withdrawn each year</th>
</tr>
</thead>
<tbody>
<tr>
<td>unknown</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>The log of formations encountered in the drilling of each well if available</th>
</tr>
</thead>
<tbody>
<tr>
<td>not available.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>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</th>
</tr>
</thead>
</table>


**Signature of Owner**

Oscar Quam

Date: December 30, 1963.
<table>
<thead>
<tr>
<th>Depth</th>
<th>SE SE</th>
<th>SE SE</th>
<th>E E</th>
<th>W E</th>
<th>N N</th>
<th>S S</th>
<th>Angle</th>
<th>IN</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>70° 1</td>
<td>70° 5</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Brick:**
- Torch torch torch torch torch
- There is there is there is there is there is

**Well:**
- Depth: 5 5 5 5 5 5
- Oil depth: 85.5 85.5 195 195 195
- Gas depth: 2800 feet 2800 feet 2800 feet 2800 feet 2800 feet
- Acid depth: 2800 feet 2800 feet 2800 feet 2800 feet 2800 feet
- Gas: yes yes yes yes yes

**Not of use:**
- Acid seal
- Acid pack
- Acid pack
- Acid pack
- Acid pack

**State of Nevada**
- County of Carson
- dated 29th day of December, 1961

**State Engineer:**
- Dated 29th day of December, 1961

**Student:**
- Dated 29th day of December, 1961

**John J. Foster**
- Dated 29th day of December, 1961
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: C. S. Tooka  Address: Ekalaka, Mont.
Driller: D. H. Baird  Address: Ekalaka, Mont.

Date of Notice of Appropriation of Groundwater

Date well started... July 16, 1962
Date Completed... 7-20-62

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

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... 158 ft.
Shut-in Pressure for Flowing Well
Pumping Water Level... 158 ft. at... 6 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: Bailer  Length of Test... 3 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Well was tested at 150 ft. and
no water

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.
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner: M. A. Markuson  
Address: Ekalaka, Mont.

Driller: Meade R. Bandy  
Address: Belle Fourche, S. D.

Date of Notice of Appropriation of Groundwater: 11-25-62

Date well started: 11-25-62  
Date Completed: 12-4-62

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

Water Use: Domestic  
Municipal  
Industrial  
Irrigation  
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>Hole Size</th>
<th>Depth of Drilling</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>150 ft.</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 56 feet

Shut-in Pressure for Flowing Well: 100 psi

Pumping Water Level: 180 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well: 105

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

Cemented with 10 sacks of cement

---

Driller’s License Number

Meade R. Bandy

Driller’s Signature

Approved by:  
County Clerk

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

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

Original to the County Clerk and Recorder: duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Annie Meyer
(Maint of Appropriator)

Caster
(Address)

County of

State of

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

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

3. Date or approximate date of earliest beneficial use; and how continu-
ous 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 loca-
tion 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 with-
drawal 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:  Anna Meyer
Date:  Aug 5, 1962
<table>
<thead>
<tr>
<th>Field</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Charles J. Smith</td>
</tr>
<tr>
<td>Address</td>
<td>Kalispell, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Harry Drum</td>
</tr>
<tr>
<td>Address</td>
<td>Kalispell, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>April 13, 1961</td>
</tr>
<tr>
<td>Date Completed</td>
<td>May 1, 1961</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 15, T. 2 N, R. 56 W, sec. 12 W</td>
</tr>
</tbody>
</table>

**Type of Well**
- Drilled
- Equipment used:
  - rotary
  - Non-driven, tested, or drilled

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

**Casing**
- 0 ft. to 520 ft. Type: steel pipe, Size: 4"  
- 520 ft. to ft. Type: Size:
  - Casing: 520 ft. to 530 ft. Type Size

**Perforated**
- 0 ft. to ft. Type Size

**Type of Screen or Perforations**
- Rock Gravel

**Static Water Level**
- For non-flowing well: 10 ft.

**Shut-in Pressure**
- For flowing well: \( \text{lb. sq. in. on:} \) (date)

**Pumping Water Level**
- feet at gal. per min.

**How Tested**
- Drilling

**Length of Test**
- 

**Remarks**
- (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>90</td>
<td>light shale</td>
</tr>
<tr>
<td>90</td>
<td>93</td>
<td>hard rock</td>
</tr>
<tr>
<td>93</td>
<td>160</td>
<td>gray sand</td>
</tr>
<tr>
<td>160</td>
<td>200</td>
<td>light shale</td>
</tr>
<tr>
<td>200</td>
<td>204</td>
<td>coal</td>
</tr>
<tr>
<td>204</td>
<td>210</td>
<td>light shale</td>
</tr>
<tr>
<td>210</td>
<td>260</td>
<td>sandy shale</td>
</tr>
<tr>
<td>260</td>
<td>300</td>
<td>dark shale</td>
</tr>
<tr>
<td>300</td>
<td>310</td>
<td>green sand</td>
</tr>
<tr>
<td>310</td>
<td>420</td>
<td>light shale</td>
</tr>
<tr>
<td>420</td>
<td>450</td>
<td>sandy shale</td>
</tr>
<tr>
<td>450</td>
<td>550</td>
<td>white sand</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

**Owner**: George Kristal  
**Address**: Kelada, Montana

**Driller**: John J. Lins  
**Address**: Kelada, Montana

**Date Started**: October 28, 1969  
**Date Completed**: October 31, 1969

**Location**: Sec. 13 T. 2 N. R. 56 E. 1/4 S.W. 1/4

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotary</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Water Use**: Domestic [ ]  Municipal [ ]  Stock [x]  Irrigation [ ]

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Surface (ft) 150 ft. Type: Pipe</th>
<th>Size: 4. inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft. 150 ft. Type: Pipe</td>
<td>Size:</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft. 150 ft. Type: Pipe</td>
<td>Size:</td>
</tr>
</tbody>
</table>

**Type of screen or perforations**: Cutting through 1/2".

**Static Water Level**: Domestic well feet.

**Shut-in Pressure**: Flowing well (date).

**Pumping Water Level**: 50 feet at 15 gal. per min.

**How Tested**: Blower

**Length of Test**: six hours

**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>surface</td>
<td>Sand</td>
</tr>
<tr>
<td>40</td>
<td>Sand</td>
</tr>
<tr>
<td>80</td>
<td>Sand</td>
</tr>
<tr>
<td>100</td>
<td>Water Sand</td>
</tr>
<tr>
<td>120</td>
<td>Sand</td>
</tr>
<tr>
<td>130</td>
<td>Water Sand</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, 1962)

<table>
<thead>
<tr>
<th>Name of Appropriate</th>
<th>Address</th>
<th>Town</th>
<th>County of</th>
<th>State of</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anna Mayes</td>
<td>Skilak</td>
<td>Carter</td>
<td>Carter</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Section</th>
<th>Township</th>
<th>Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>15</td>
<td>11</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
<td>23</td>
</tr>
</tbody>
</table>

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 Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   About 1910 and Continuous

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

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:
   Spring, Natural Flow

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

8. The depth of water table:
   Spring

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:
   Natural Flow

10. The estimated amount of groundwater withdrawn each year:
    All of the Flow

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

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

Signature of Owner: Anna Mayes
Date: Dec. 31, 1963

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.

It is due to the County Clerk and Recorder, duplicate to the State Engineer, duplicate to the Montana Bureau of Enrolled Geology, and quadruplicate for the Appropriate.
<table>
<thead>
<tr>
<th>Owner</th>
<th>William Patton</th>
<th>Address</th>
<th>Elk Lake, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Henry Bryant</td>
<td>Address</td>
<td>Elk Lake, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 2, 1961</td>
<td>Date Completed</td>
<td>May 2, 1961</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 23 T. 2 N., R. 56 W., 34 sec., 8e</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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Driven, bored, or drilled)</td>
<td>(Chimney drill, rotary, other)</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>Industrial</td>
<td></td>
<td>Drainage</td>
<td></td>
<td>Other:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 71 ft.</th>
<th>Type</th>
<th>Blank pipe</th>
<th>Size: 4 In.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>71 ft. to</td>
<td>Type</td>
<td></td>
<td>Size:</td>
</tr>
<tr>
<td>Casing:</td>
<td>71 ft. to</td>
<td>Type</td>
<td></td>
<td>Size:</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Diameter (if perforated)</th>
<th>Round holes</th>
</tr>
</thead>
</table>

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

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>30 feet at 10 gal. per min.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>bail ing</th>
</tr>
</thead>
</table>

| Length of test: | one hour |

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 10</td>
<td>Light shale</td>
</tr>
<tr>
<td>10 - 30</td>
<td>Yellow sand</td>
</tr>
<tr>
<td>30 - 60</td>
<td>Light shale</td>
</tr>
<tr>
<td>60 - 70</td>
<td>Water sand</td>
</tr>
</tbody>
</table>
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

### Declaration of Vested Groundwater Rights

**Name of Appropriator**: J. A. Ayr

**Address**: 511 Main

**Town**: Miles City

**County of**: Custer

**State of**: Montana

I, J. A. Ayr, of 511 Main, Miles City, Custer County, Montana, declare that I 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**: Domestic and irrigation

2. **Date or approximate date of earliest beneficial use**: 1890

3. **The amount of groundwater claimed**: 30 gallons per minute

4. **The means of withdrawing such water from the ground and the location of each well or other means of withdrawal**: Electric pump

5. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**: July 1, 1960

6. **The depth of water table**: 70 feet

7. **The log of formations encountered in the drilling of each well if available**: None

8. **The estimated amount of groundwater withdrawn each year**: 30 acre-feet

9. **Other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record**: None

**Signature of Owner**: [Signature]

**Date**: [Date]

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

**Top of Ground**

<table>
<thead>
<tr>
<th>Elev. above sea level</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>60-20 ft</td>
<td>clay, sand</td>
</tr>
<tr>
<td>20-30 ...</td>
<td>yellow soil</td>
</tr>
<tr>
<td>10-35 ...</td>
<td>sand</td>
</tr>
<tr>
<td>35-42 ...</td>
<td>dark clay</td>
</tr>
<tr>
<td>42-76 ...</td>
<td>dark clay</td>
</tr>
<tr>
<td>70-73 ...</td>
<td>clay</td>
</tr>
<tr>
<td>73-77 ...</td>
<td>dark clay</td>
</tr>
<tr>
<td>77-90 ...</td>
<td>clay</td>
</tr>
<tr>
<td>90-105 ...</td>
<td>sand, clay</td>
</tr>
<tr>
<td>105-110 ...</td>
<td>sand, sandstone</td>
</tr>
<tr>
<td>110-120 ...</td>
<td>sand, sandstone</td>
</tr>
<tr>
<td>120-130 ...</td>
<td>sand, sandstone</td>
</tr>
<tr>
<td>130-170 ...</td>
<td>sand, sandstone</td>
</tr>
</tbody>
</table>

**Date of Notice of Appropriation 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: 236 feet.**

**Shut-in Pressure for Flowing Well**

**Pumping Water Level: 236 feet at 63 gal. per minute.**

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

**How Tested**

**Length of Test: 3 days.**

**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)

**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.
## Groundwater Index

**County:** **Carter**  
**Twp.:** 2N  
**Rge.:** 57E

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropciator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>01</td>
<td>R. Boursell</td>
<td>GW-2</td>
<td>133894</td>
<td></td>
</tr>
<tr>
<td>02</td>
<td>Schneede, Emil</td>
<td>GW-2</td>
<td>130936</td>
<td></td>
</tr>
<tr>
<td>03</td>
<td>Guarn, Carl M.</td>
<td>GW-4</td>
<td>113947</td>
<td></td>
</tr>
<tr>
<td>04</td>
<td>Sibblom, Ernest</td>
<td></td>
<td>102946</td>
<td></td>
</tr>
<tr>
<td>05</td>
<td>Castleberry, Frank</td>
<td>GW-4</td>
<td>118335</td>
<td>Also see T-1-6-25-58E</td>
</tr>
<tr>
<td>06</td>
<td>Yue, John A.</td>
<td>GW-4</td>
<td>112394</td>
<td></td>
</tr>
<tr>
<td>07</td>
<td>Yue, John M.</td>
<td>GW-4</td>
<td>113493</td>
<td></td>
</tr>
<tr>
<td>08</td>
<td>Pickard, Victoria M.</td>
<td>GW-4</td>
<td>113174</td>
<td></td>
</tr>
<tr>
<td>09</td>
<td>Castleberry, Frank</td>
<td>GW-4</td>
<td>112940</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Brewer, Wesley &amp; Ida</td>
<td>GW-4</td>
<td>113278</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Chamberlain, Frank</td>
<td></td>
<td>103979</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Smith, Curtis L.</td>
<td>GW-4</td>
<td>113404</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Guarn, Anton</td>
<td>GW-4</td>
<td>113290</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Guarn, Anton</td>
<td>GW-4</td>
<td>112895</td>
<td>See above, Lee 27</td>
</tr>
<tr>
<td>15</td>
<td>Yue, John A.</td>
<td>GW-4</td>
<td>113585</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Elwood, Woodrow &amp; Elva</td>
<td>GW-4</td>
<td>113277</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Pierce, Floyd J.</td>
<td>GW-4</td>
<td>113049</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Smith, Curtis L.</td>
<td>GW-4</td>
<td>113494</td>
<td>See above, Lee 26</td>
</tr>
<tr>
<td>19</td>
<td>Chambers, Frank</td>
<td></td>
<td>113404</td>
<td></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: [Name]
Address: [Address]

Date well started: [Date]
Completed: [Date]

Type of well: [Type]
Equipment used: [Equipment]
Water Use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ] Other [ ]

Describe USE: If used for irrigation, industrial, drainage or other. Explain.

*Estimate annual withdrawal... [Estimate]

Estimated annual withdrawal... [Estimate]

Top of Ground

<table>
<thead>
<tr>
<th>Depth (Foot)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Surface</td>
</tr>
<tr>
<td>1</td>
<td>White sand</td>
</tr>
<tr>
<td>3</td>
<td>Clay</td>
</tr>
<tr>
<td>4</td>
<td>Sand</td>
</tr>
<tr>
<td>6</td>
<td>Clay</td>
</tr>
<tr>
<td>8</td>
<td>Sand</td>
</tr>
<tr>
<td>10</td>
<td>Water level</td>
</tr>
<tr>
<td>12</td>
<td>Shale</td>
</tr>
</tbody>
</table>

Static water level...[Level]

Pumping water level...[Level]
at...[Rate] gallons per minute, measured...[Time] minutes after pumping began.

Measured from ground level.

Well developed by...[Method] for...[Power Source].

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: [Signature]
Driller's Address: [Address]

License No...[License Number]

Driller's Log

Indicate the character, color, thickness of strata such as silt, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Show exact depth of bottom...[Depth]
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, 1982
(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 ____________________________
Address ____________________________

For Administrators Use

Date well started ___________ GW 1
completed ___________

Type of well ___________
Other, shown, listed, or above

Equipment used ___________
Other and specify hereafter

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 (lot, block,
and Addition)

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Year</th>
<th>Type and</th>
<th>Unit</th>
<th>Time</th>
<th>Rate</th>
<th>Length</th>
<th>Volume</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>of Water</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level __________ ft.
Pumping water level __________ ft.
at 1,000 gallons per minute
measured 60 minutes after pumping
began.
*Measured from ground level.
Well developed by ___________
for __________ hours.
Power: __________ KW and __________ HP
Remarks: (Gravel packing, cementing, packers, type of shell)________

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

Driller's Signature ____________________________
Driller's Address ____________________________

LICENSE NO. ____________

57 389
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: Bushel A. Honegall
Address: Elkhorn, Mt. 59723

Date well started: 9-1-72
Date completed: 9-13-72

Type of well: Drilled

Equipment used: Rotary (drill, rotary or other)

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>KIND OF WELL</th>
<th>FROM (GPM)</th>
<th>TO (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 □ Octagon</td>
<td>0</td>
<td>979</td>
</tr>
<tr>
<td>10 □ Octagon</td>
<td>105</td>
<td>294</td>
</tr>
</tbody>
</table>

PERFURATIONS

<table>
<thead>
<tr>
<th>Kind of Well</th>
<th>From (GPM)</th>
<th>To (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 □ Octagon</td>
<td>0</td>
<td>979</td>
</tr>
<tr>
<td>10 □ Octagon</td>
<td>105</td>
<td>294</td>
</tr>
</tbody>
</table>

Static water level: 190 ft.
Pumping water level: 82 ft.

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: Mike D. Bullock
Driller's Address: S. E.,

LICENSE NO. 112  
51,389
STATE OF MONTANA.

County of ________________________

I, ____________________________________________, having first been duly sworn, depose and say: that I am of lawful age and

and claimant of the order one water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is ____________________________ subscribed thereto, as the appropriator and claimant, that I know the contents of said foregoing notice and that the matters and things therein stated are true.

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

Notary Public for the State of Montana.
Resident at ____________________________
My Commission expires ____________________________
STATE OF MONTANA,

County of Carter

Russell A. Benton having first been duly sworn, depose and say that he is of lawful age and that he is the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Russell A. Benton

Subscribed and sworn before me, this 14th day of September, 1995

Notary Public for the State of Montana.

Residing at

My Commission expires 99.

[Signature] Deputy
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: Emil Schuster
Address: Elk兰花, Mont.

Driller: Meale R. Land
Address: Belle Fourche, SD

Date of Notice of appropriation of groundwater:

Date well started: 9-5-70
Date completed: 9-7-70

Type of well: Drilled
Equipment used: Rotary

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Type of Cut</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8</td>
<td>10.69</td>
<td>130%</td>
</tr>
<tr>
<td></td>
<td></td>
<td>170/190</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 40 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 190 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: pumped

Length of Test: 1 hour

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

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

Show exact depth of bottom.

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

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

Driller's License Number: Meale R. Land
Driller's Signature: Meale R. Land

Driller's License Number: 48225
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Carl H. Quam, of Montana
County of Carter
State of Montana

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

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

2. The beneficial use on which the claim is based: Water for livestock and household use

3. Date or approximate date of earliest beneficial use, and how continuous the use has been. Well No. 1 used since 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Well No. 1 = 2 gallons per minute, Well No. 2 = 5 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. Well No. 2 is used for irrigating a garden

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pumps are used to withdraw water from each well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well No. 1 hand dug in 1940, exact date unknown. Well No. 2 Drilled in late spring or early summer of 1958

8. The depth of water table. Well No. 1 about 12 ft, Well No. 2 about 150 ft

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Well No. 1, hand dug, 2 ft dia., 200 ft deep. Well No. 2, Drilled, 4 in., casing, 200 ft deep

10. The estimated amount of groundwater withdrawn each year. 130,000 gallons per year from both wells

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 known

Signature of Owner: Carl H. Quam
Date: Dec 30, 1962

This form is filled 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. 25891
Filed for Record

2:30 P.M.

DEC 18 1969

Jack M. Brewer

Dale M. Pet
Deputy

Fee $2.00
<table>
<thead>
<tr>
<th>Owner</th>
<th>Ernest Sjobloa</th>
<th>Address</th>
<th>Philips, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Henry Bryant</td>
<td>Address</td>
<td>Philips, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>June 7, 1958</td>
<td>Date Completed</td>
<td>June 18, 1958</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 11, T. 2, R. 57 E, (1/4) sec</td>
<td>SAGE</td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled (driven, bored, or drilled)</td>
<td>Equipment used</td>
<td>Rotary (chisel drill, rotary, other)</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic [ ]</td>
<td>Municipal [ ]</td>
<td>Stock [ ]</td>
</tr>
<tr>
<td>Casing</td>
<td>0 ft. to 203 ft. Type: Black pipe</td>
<td>Size: 4&quot;</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>178 ft. to 300 ft. Type: Black pipe</td>
<td>Size: 3&quot;</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>220 ft. to 300 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level for non-flowing well:</td>
<td>feet.</td>
<td>Shut-in pressure for flowing well:</td>
<td>lb./sq. in. on:</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>200 ft. from top</td>
<td>feet at</td>
<td>10 gal. per min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Rallc</td>
<td>Length of test:</td>
<td>1 hour.</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>
</tbody>
</table>
### 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>40</td>
<td></td>
<td>Gravel &amp; Quicksand</td>
</tr>
<tr>
<td>40</td>
<td>140</td>
<td></td>
<td>Gray Shale</td>
</tr>
<tr>
<td>140</td>
<td>160</td>
<td></td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>160</td>
<td>161</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>161</td>
<td>181</td>
<td></td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>181</td>
<td>217</td>
<td>217</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>217</td>
<td>220</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>220</td>
<td>256</td>
<td></td>
<td>Mixture of Gray &amp; Light Shale</td>
</tr>
<tr>
<td>256</td>
<td>300</td>
<td></td>
<td>Sandrock</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

County: Helena

Declaration of Vested Groundwater Right

1. Name of Appropriator
2. State
3. County
4. Address
5. Town

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

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

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

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

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

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

7. The date of commencement and completion or 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 county record:

Signature of Owner

Date: Dec 7, 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.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

<table>
<thead>
<tr>
<th>Name of Approprietor</th>
<th>Address</th>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>JOHN A. ATE</td>
<td>511 Main</td>
<td>Custer</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

2. The beneficial use on which the claim is based: **domestic and irrigation**

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): 30 gallons per minute

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

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: 70 feet

9. The depth and size of each well or the general specifications of any other works for the withdrawal of groundwater: drilled, 6" casing about 70 feet

10. The estimated amount of groundwater withdrawn each year: 30 acre feet

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

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

---

Signature of Owner: [Signature]

Date: [Date]

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

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

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

1. JOHN A. ABBE
   (Name of Appropriator)
   of 511 Main Miles City
   (Address)
   (Town)
   County of Custer
   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: domestic and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1890 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 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: 30 Acres on section 21 T 2N R 57E

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1890

8. The depth of water table: 100 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: drilled, 6" diameter, 100 feet deep

10. The estimated amount of groundwater withdrawn each year: 30 acre feet

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

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

Signature of Owner: ___________________________
Date: 12-30-1963

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.
Filed for Record

Jane M. Brewster

Filed: $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

Victoria M. Pickard
(Name of Appropriator)
Cartar
(Town)

County of:
Montana
(State)

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

2. The beneficial use on which the claim is based, purposes and watering of livestock.

3. Date or approximate date of earliest beneficial use, and how continuously the use has been.

4. The amount of groundwater claimed (in minor'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 where there are several natural springs along the creek. Springs are used to water livestock.

Signature of Owner:

Date:

December 20, 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.

Filed by the County Clerk and Recorder: Duplicate to the State Engineer. Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
Filed for Record

DECEMBER 1, 1885

Jane M. Brewster

[Signature]

Fees $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

STATE ENGINEER

Frank Cundiff
of

Chulahee

County of Carter
State of Montana

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

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

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

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

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: [Specifications]

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

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: [Signature]
Date: [Date]

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
Filed for Record
at 10:45 o'clock A.M.
DEC 9 1963
Jane M. Brewster
County Clerk
Cally P. Rea
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Wesley E. and Ida Brewer
(Name of Appropriate)

Ekalaka
(Address)

County of Carter
(Town)

State of Montana

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

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

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

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

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

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

6. The date of commencement and completion of the construction of the well, walls, or other works for withdrawal of groundwater: none

7. The depth of water table: ten feet

8. 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: flows into reservoir 15 by 30 by 12 ft deep

9. The estimated amount of groundwater withdrawn each year: 40,000 gallon

10. The log of formations encountered in the drilling of each well if available: none

11. Other information of a similar nature as may be useful in carrying out the policy of this act, including names of books and pages of any county record

Signature of Owner: Wesley Brewer
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 Appropriate.