**MONTANA BUREAU OF MINES AND GEOLOGY**

**STATE ENGINEER**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Hansen Hunter</td>
</tr>
<tr>
<td>Address</td>
<td>Clerk</td>
</tr>
<tr>
<td>Driller</td>
<td>Brian Hunter</td>
</tr>
<tr>
<td>Address, Weight</td>
<td>72040</td>
</tr>
<tr>
<td>Date Started, Date Completed</td>
<td>3/01/46</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 10 T 22 R 46 N, Sec 5, Sec 55Z</td>
</tr>
<tr>
<td>Type of Well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment Used</td>
<td>Churn Drill</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td></td>
<td>Municipal</td>
</tr>
<tr>
<td></td>
<td>Stock</td>
</tr>
<tr>
<td></td>
<td>Irrigation</td>
</tr>
<tr>
<td></td>
<td>Industrial</td>
</tr>
<tr>
<td></td>
<td>Drainage</td>
</tr>
<tr>
<td></td>
<td>Other</td>
</tr>
<tr>
<td>Casing:</td>
<td>0 ft. to 80 ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Size</td>
<td>6 in.</td>
</tr>
<tr>
<td>Casing:</td>
<td>80 ft. to 84 ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Size</td>
<td>6 in.</td>
</tr>
<tr>
<td>Casing:</td>
<td>84 ft. to 90 ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Size</td>
<td>6 in.</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>At 90 ft.</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>63 ft.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>2 lb/sq.in.</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>30 ft.</td>
</tr>
<tr>
<td>Gal per min</td>
<td>50</td>
</tr>
<tr>
<td>How tested</td>
<td>Balanced</td>
</tr>
<tr>
<td>Length of test</td>
<td>1 hr.</td>
</tr>
<tr>
<td>Remarks</td>
<td>gravel pack</td>
</tr>
</tbody>
</table>

**(over)**
<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Hard Clay</td>
</tr>
</tbody>
</table>

Log of Well

State of Montana
County of Missoula
Office of Clerk and Recorder
Filed this 29th day of December, A.D. 1961
at 2:16 o'clock. A.M.

[Signature]

County Clerk and Recorder

[Signature]

Deputy
<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Howard Tester</td>
<td>Miles City, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Max Krieger</td>
<td>Miles City, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>10-15-61</td>
<td>10-16-61</td>
</tr>
</tbody>
</table>

| Location       | Sec 15 T 22 R 48 | Sec 50 NW |
|----------------|-----------------|

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Churn</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>X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 47 ft.</th>
<th>Type</th>
<th>Size</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>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Type of Screen or Perforations:</th>
<th>Slotted</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level: for non-flowing well:</th>
<th>20 feet</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>20 lb./sq.in.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Date tested</th>
<th>7/5/61</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>45 ft. at 10 gal. per min.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>How tested</th>
<th>Drive.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test</th>
<th>1 hr.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
<th>Sand used, drinking water</th>
</tr>
</thead>
</table>
Log of Well

Depth, Feet  Description of Material Drilled
From  To

0  17  Clay, sand, muck

123407

Water Well Log # 151

State of Montana
County of Hodes 1st
Office of Clerk and Recorder

Filed this 29th day of DECEMBER A.D. 1951
at 2:22 o'clock P.M.

By: None

Deputy

1
<table>
<thead>
<tr>
<th>County</th>
<th>Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Butte, Montana</td>
<td>STATE ENGINEER</td>
</tr>
<tr>
<td>Owner</td>
<td>Howard T.</td>
</tr>
<tr>
<td>Address</td>
<td>Circle</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 16 T 22 R 18 1 Sec 12 NW</td>
</tr>
</tbody>
</table>

**Type of Well** (Dug, driven, bored, or drilled) **Equipment Used** (Churn drill, rotary, other)

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

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

- Perforated or Screened: Ft. to ft. to ft. to ft.
- Type of screen or perforations
- Static Water level, for non-flowing well: ____________ feet
- Shut-in pressure, for flowing well: ____________ lb./sq.in.; ____________ (date)
- Pumping water level: ____________ feet at ____________ gal. per min.; ____________
- How tested: ____________
- Length of test: ____________
- Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

*Opris Spring Road, Richfield State*

*Hand-pumping rate: about 5 gal. per min.*

(over)
Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>123403</td>
<td></td>
</tr>
</tbody>
</table>

Water Well Log # 147

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 20th day of December A.D. 1961
at 2:14 o'clock P. M.

[Signature]

Clerk and Recorder

Fee: None
**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Claire J. Schilling**
   - Name of Appropriator
   - Wulf Point, Montana
   - Address
   - Town
   - County of McCona
   - State of Montana

   They 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: **Sept 10, 1961**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **5 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: **None**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **September 10, 1961**

8. The depth of water table: **145 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 6.5 inch hole; 5 inch steel casing; gravel packed on outside, drilled and cased to 154 feet. Perforated 136 to 154 feet.

10. The estimated amount of groundwater withdrawn each year: **160,000 gallons**

11. The log of formations encountered in the drilling of each well if available: 0 to 65 ft: yellow clay; 65 to 136 ft: gray clay; 136 to 154 ft: water sand

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: **Claire J. Schilling**

Date: **Dec 31, 1963**

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
127332

DOCS. NO.

WATER WELL LOG FILE NO. 561

CLAIR J. SCHILLINGER

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF ROSEBUD

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3rd day of Jan., 1964 A.D.
at 10:45 o'clock, a.m.

FEE: $2.00

COUNTY CLERK
## Water Well Log

**Owner:** SHELL OIL COMPANY  
**Address:** P. O. Box 2547, BILLINGS, MONTANA  
**Driller:** Address  
**Date Started:** April 1952  
**Date Completed:** April 1952  
**Location:** Sec. 25, T. 22 N., R. 46 E., 3/4 sec. Northwest

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Churn drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
<td></td>
<td>Churn drill, rotary, other</td>
</tr>
<tr>
<td>Industrial</td>
<td>x</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Casing:**  
- 0 ft. to 1257 ft.  
- Type: 27#  
- Size: 5-1/2"

**Perforated or Screened:**  
- 1065 ft. to 1257 ft.  
- Type: Torus perforated

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

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

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

**How tested:**

**Length of test:**

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

- Lartin packer at 1056 ft.  
- Salinity 872 ppm

(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></td>
<td></td>
<td></td>
<td>Date not available</td>
</tr>
</tbody>
</table>

---

Doc. No. 11235
Water Well Log File No. 27

State of Montana
County of Morrow

Mts. of Clerk and Recorder.

Filed this, 13th day of August, A.D. 1959
at 12:30 o'clock P.M.

[Signature]

Andrea McIlvaine
Court and Recorder

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

DECLARATION OF VESTED GROUNDWATER RIGHTS
(under Chapter 237, Montana Session Laws 1961)

1. Shell Oil Company of P.O. Box 2547 Billings (Name of Appropriator) (Address)

County of Yellowstone State of Montana

have appropriated ground water according to the Montana Law in effect prior to January 1, 1962 as follows:

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

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

3. Date of appropriation date of earliest beneficial use; and how continuous the use has been: April 1958

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

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

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

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of ground water: Started April 1958; Compl. April 1958

8. The depth of water table: 150' below ground

9. So far as it may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater: To 125 ft. 5-1/2' sq at 127. Part D 1067 - 1257.

10. The estimated amount of groundwater withdrawn each year: None available

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act indicating reference to book and page of any county record: Drilled with well in Section 11 to drill wells in A.M. Ridge Field.

Signature of Owner: Shell Oil Company

late February 2, 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.
STATE OF MONTANA

County of Yellowstone

A. T. Irwin having first been duly sworn, deposes
and says that he is of lawful age and is the appropriator
for Shell Oil Co., and claimant of the order and water right mentioned
in the foregoing declaration of vested groundwater rights and the person
whose name is subscribed thereto, as the appropriate appropriator
and claimant, that he knows that the
contents of said foregoing notice and that the matters and things therein stated
as true.

Subscribed and sworn to before me, this 2nd day of February 1968

Margaret W. King
Notary Public for the State of Montana
Residing at Miles City, Montana
My Commission expires March 30 1968.
**DECLARATION OF VESED GROUNDWATER RIGHTS**

(State of Montana)

Office of State Engineer

Shel Oil Company

(P.O. Box 2547, Billings, Montana)

County of Yellowstone

State of Montana

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

<table>
<thead>
<tr>
<th>Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>33</td>
</tr>
</tbody>
</table>

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

3. Date of approximate date of earliest beneficial use; and how continuous the use has been: **September 1952**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **31 gal min**

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

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

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of ground water: **Started Sept. 1952, Comp. Sept. 1952**

8. The depth of water table: **360'**

9. To the best of its knowledge and belief, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater: **TD 1250, 300'; cat. at 1250; Parts 7071 - 1258**

10. The estimated amount of groundwater withdrawn each year: **None available**

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

12. Other information of a similar nature as may be useful in carrying out the policy of this act indicating reference to book and page of any county record: **Used with well in Section 35 to drill for Oil wells.**

---

**Signature of Owner**

Shel Oil Company

**Date**

February 2, 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.
STATE OF MONTANA
County of Yellowstone


A. T. Irson having first been duly sworn, deposes
and says

that he is of lawful age and is the appropriator
for Mill Oil Co., and claimant of the order and water right mentioned
in the foregoing declaration of vested groundwater rights and the person
whose name is subscribed thereto, as the appropriate Person
and claimant, that he
knows that the

contents of said foregoing notice and that the matters and things therein stated
as true.

Subscribed and sworn to before me, this 2nd day of February 19xx.

Margaret W. Lang
Notary Public for the State of Montana

Residing at Billings, Montana

My Commission expires March 30, 19xx.
**WATER WELL LOG**

<table>
<thead>
<tr>
<th></th>
<th>Owner: SHELL OIL COMPANY</th>
<th>Address: P. O. Box 2567 Billings, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Driller: Livingston</td>
<td>Address: Missoula, Montana</td>
</tr>
<tr>
<td></td>
<td>Date Started: September 1952</td>
<td>Date Completed: September 1952</td>
</tr>
<tr>
<td></td>
<td>Location: Sec 33 T 22 N R 66 E 34 sec. Northwest</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Churn drill</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Industrid</td>
<td>Municipal</td>
<td>Stock</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Casing:</td>
<td>Type</td>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>0 ft. to 1258 ft.</td>
<td>17 ft.</td>
<td>7 in.</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>Type</td>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>1258 ft. to 1258 ft.</td>
<td>17 ft.</td>
<td>7 in.</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened: 1072 ft. to 1258 ft.</td>
<td>Torch perforated</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations: Torch perforated</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well: 350 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well: 597 lb./sq. in. on: (date)</td>
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</tr>
<tr>
<td>Pumping water level: 31 feet at 31 gal. per min.</td>
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</tr>
<tr>
<td>How tested: Pump</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test: 12 hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Larkin packer at 1068</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

© (over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Data not available</td>
<td></td>
</tr>
</tbody>
</table>

**Water Well Log File No. 28**

*State of Montana*

*County of McCone*

*Office of Clerk and Recorder*

*Filed this 31st day of August 1959*

*A. D. 1959*

*At 12:35 o'clock in the evening*

*[Signature]*

*Deputy Clerk and Recorder*
Form No. 18

## MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

**Water Well Log**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>[ ]</td>
</tr>
<tr>
<td>Driller</td>
<td>[ ]</td>
</tr>
<tr>
<td>Date Started</td>
<td>1-2-58</td>
</tr>
<tr>
<td>Date Completed</td>
<td>1-10-58</td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>34</td>
</tr>
<tr>
<td>T.</td>
<td>22</td>
</tr>
<tr>
<td>R.</td>
<td>14</td>
</tr>
<tr>
<td>Sec.</td>
<td>5</td>
</tr>
<tr>
<td>Water use: Domestic</td>
<td>[ ]</td>
</tr>
<tr>
<td>Municipal</td>
<td>[ ]</td>
</tr>
<tr>
<td>Stock</td>
<td>[ ]</td>
</tr>
<tr>
<td>Irrigation</td>
<td>[ ]</td>
</tr>
<tr>
<td>Industrial</td>
<td>[ ]</td>
</tr>
<tr>
<td>Drainage</td>
<td>[ ]</td>
</tr>
<tr>
<td>Other</td>
<td>[ ]</td>
</tr>
<tr>
<td>Casing:</td>
<td>6 ft. to 100 ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Size</td>
<td>4 inch</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Perforated or screened:</td>
<td>Ft. to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
</tr>
<tr>
<td>Static water level, for non-flowing well:</td>
<td>40 feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>— lb./sq. in. on:</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>40 feet at 5 gal. per min.</td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td>10 to 12 hr.</td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td>Type of well</td>
<td>Equipment used</td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
</tr>
<tr>
<td>Drilled</td>
<td>Drill</td>
</tr>
</tbody>
</table>

### Water Well Log

- **Owner**: John Doe
- **Address**: 123 Main St.
- **Date Started**: 4-9-57
- **Date Completed**: 4-10-58
- **Location**: Sec. 21 T. 22 R. 19

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
<th>Foot</th>
<th>Foot</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 100 ft.</td>
<td><strong>Steel</strong></td>
<td><strong>Size</strong></td>
<td><strong>Feet</strong></td>
<td></td>
</tr>
<tr>
<td>0 ft. to 100 ft.</td>
<td><strong>Size</strong></td>
<td><strong>Feet</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0 ft. to 100 ft.</td>
<td><strong>Size</strong></td>
<td><strong>Feet</strong></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Perforated or screened**: Ft. to Ft. to Ft. to Ft. to Ft. to Ft.
- **Type of screen or perforations**
- **Static water level, for non-flowing well**: 40 feet
- **Shut-in pressure, for flowing well**: 2 lb./sq. in. on
- **Pumping water level**: 40 feet at 5 gal. per min.
- **Flow tested**: Flow

### Length of test: 10 to 12 hours

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

### [over]
<table>
<thead>
<tr>
<th>Depth</th>
<th>Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>100</td>
<td>Clay - Black muddy silt.</td>
</tr>
</tbody>
</table>

**Log of Well**

**DOG. NO.** 123378

**WATER WELL LOG FILE NO.** 222

State of Montana

COUNTY OF TETON

Office of Clerk and Recorder

Filed this 29th day of Jan., A.D. 1961

12:15 O'clock, P.M.

Clerk and Recorder

P.P. — Deputy

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

Maurine E. Strand

1. Name and address of Appropriate
circle

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: Maurine E. Strand
Date: 12/24/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriate.
WATER WELL LOG FILE NO. 311

MARVIN C. STRAND

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 26th day of December 1963, A.D.
at 4:00 o'clock p.m.

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)

STATE ENGINEER

(State of Montana)
ABMUnSTSATOE OP OROUNDWATEB. OODE

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

STATE ENGINEER

1. (Name of Appropriator) 7 (Address) 7 (Town) 7 County
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.

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 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.

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner: ____________________________
Date: ____________________________

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
LOC. NO.

WATER WELL LOC FILE NO. 312

MARVIN C. STRAND

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF Powell

OFFICE OF COUNTY CLERK & RECORDER

Filed this 26th day of December 1963, A.D.
at 4:05 o'clock p.m.

COUNTY CLERK

FEE $2.00
<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>8</td>
<td>Robert Robert</td>
<td>36W.2</td>
<td>161182</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Carry Arthur 0.</td>
<td>GW H</td>
<td>127187</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Huddlalby Adams</td>
<td>unm. log</td>
<td>123456</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td></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 WELLS
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: Robert Schack
Address: 110 Main St.

Date well started: 11-2-70
Date completed: 11-4-70

Type of well: DB 1150

Equipment used: Drum Drill

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>Site of Drill Hole</th>
<th>Zone and Weight of casing</th>
<th>Time (hrs.)</th>
<th>Preperations</th>
<th>Kind of Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td></td>
<td>27</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 30 ft.
Pumping water level 33 ft.
At 20 gallons per minute, measured minutes after pumping began.

*Measured from ground level.
Well developed by

Power............ Pump........HP
Remarks: (Gravel packing, cementing, packers, type of shut-off)

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.

Each small square represents 40 acres.

Driller's Signature: Daniel W. Maggard
Driller's Address: 110 Main St.

LICENSE NO.: 13
Doc. #141382
Water Well Log File #25

State of Montana
County of McCone
Office of Clerk and Recorder
Filed this 29th day of March A.D. 1923
at 3:15 o'clock A.M.

Maria H. Brennan
Clerk and Recorder

Paid $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

Arthur O. Sorley,

County of McCone

State of Montana

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

1. Name of Appropriator: Arthur O. Sorley

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been: Continuous since Nov 1958

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: This Well developed into a playing well and forms at the rate of one gallon per minute

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Nov 1958

8. The depth of water table: 36 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: This well is 80 ft. deep, has six inch casing, with six inch pipe leading from casing to a stock water tank. This well also has a pump with 18 ft. of well pipe used for domestic and other uses

10. The estimated amount of groundwater withdrawn each year: 150,000 gallons

11. The log of formations encountered in the drilling of each well if available: Yellow clay and light sand - and a light gray clay

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

Signature of Owner: Arthur O. Sorley

Date: Dec 30, 1962

Three copies to be 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 Appropriator.
WATER WELL LOG FILE NO. 428

ARThUR O. SCROLE

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF ROGERS

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 1:30 o'clock p.m.

COUNTY CLERK

FEB: 2, 00

PAYABLE ENGINEER
<table>
<thead>
<tr>
<th>County</th>
<th>Melton</th>
</tr>
</thead>
<tbody>
<tr>
<td>State Engineer</td>
<td>RECEIVED</td>
</tr>
<tr>
<td>Butte, Montana</td>
<td>JAN 4, 1962</td>
</tr>
</tbody>
</table>

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Aldrin Holdings, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td>1910</td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Location: Sec</td>
<td>10 R 22 E 49 S 14 NW</td>
</tr>
</tbody>
</table>

**Type of Well**

- Spring 
- Equipment Used
  - Churn drill, rotary, other
- Water use: Domestic
  - Municipal
  - Stock [x] Irrigation
  - Industrial
  - Drainage
  - Other:

**Casing:**

- ft. to ft.
- Type
- Size

**Perforated or Screened:**

- Ft. to Ft.

**Type of screen or perforations**

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

- feet

**Shut-in pressure, for flowing well:**

- lb./sq.in.: [date]

**Pumping water level:**

- foot at gal. per min.

**How tested:**

**Length of test:**

**Remarks:**

- Gravel packing, cementing, packers, type of shut-off, depth of shut-off

- Never been dug out with backhoe
- piping to pond about 30 ft.

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Water Well Log # 158

State of Montana
County of McCone
Office of Clerk and Recorder.
Filed this 32nd day of December A. D. 1961
at 2:36 P.M.
No. None.
<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dug, driven, bored, or drilled)</td>
<td>(Churn drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Pumping water level at</th>
<th>3 gal., per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
<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>
</tbody>
</table>

<p>| |</p>
<table>
<thead>
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<tbody>
<tr>
<td></td>
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</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
</tr>
</tbody>
</table>

123413

Water Well Log f 157

State of Montana
County of McCone

Filed this 23rd day of December A.D. 1981
at 21 M. 00 o'clock P.M.

By

Pos. None

Deputy
<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>Hingaland Dan</td>
<td>JAV-1</td>
<td>138706</td>
<td></td>
</tr>
</tbody>
</table>
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, 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: Dan Hinaland
Address: Brookway, Montana
File: 139106

Date well started 9/23/71
Well completed 9/27/71

Type of well: Drilled

Equipment used: Submersible

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

*Describe: 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>Size of Hole</th>
<th>Size and Weight of Pipe</th>
<th>Pressure (Psi)</th>
<th>Top (Foot)</th>
<th>Perforations</th>
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<td>4&quot; ID</td>
<td>171</td>
<td>3/16</td>
<td>162</td>
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</tbody>
</table>

---

Static water level: 100 ft.
Pumping water level: 144 ft.

Well developed by 12 HP for 5 hours.

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

***GREATLY DRILLED***

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

Driller's Signature: Terry, Montana

Driller's Address: Terry, Montana

---

Show exact depth of bottom.
138706
WATER WELL LOC. FILE #700

State of Montana
County of McCone

Office of Clerk and Recorder.
Filed this 1st. day of
November, 1972
at 8:00 AM

Maria H. Brennan
Clerk and Recorder

By: Mary L. Knudsen
Deputy

Fee $2.00
<table>
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<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>128828</td>
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<td>GW 3</td>
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</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Andrew Huddburgh
Address: Circle, Montana

Driller: Boone Whitmer & Sons
Address: Wolf Point, Montana

Date of Notice of Appropriation of Groundwater: Sept. 19, 1964

Date well started: September 1
Date completed: Sept. 19, 1964

Type of well: Drilled
Equipment Used: Cable Tool
(dug, driven, bored or drilled)

Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐
Industrial ☐ Drinage ☐ 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>
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<tr>
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<td>150</td>
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Static Water Level for non-flowing Well: 70 feet
Shut-in Pressure for Flowing Well:
Pumping Water Level: 110 feet at: 8 gal. per minute.
Discharge in gal, per min. of flowing well:
How Tested: Bailer
Length of Test: 2 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)
Gravel Screen: 150 ft to 178 feet

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

Owner: Arden Budlburgh  Address: Circle, Montana
Driller: Boone Whitmer & Sons  Address: Wolf Point, Montana

Date of Notice of Appropriation of Groundwater: November 5, 1964
Date well started: October 30, 1964  Date Completed: November 5, 1964

Type of well: Drilled  Equipment Used: Cable Tool
(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.

<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>
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Static Water Level for non-flowing Well: 75 feet.
Shut-in Pressure for flowing Well
Pumping Water Level: 140 feet at 4 gal. per minute.
Discharge in gal, per min. of flowing well
How Tested: Miler  Length of Test: 1/2 day

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 Screen 140' to 160'

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

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

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

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Nov. 1947
Owner: Edward Paine
Address: Circle, Mont.
Contractor (if any): None
Address of Contractor: None
Date Started: None
Date Completed: None

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

Natural flow and sub-irrigation 6' to 8' deep evacuations

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.

Year around use with water 5000 plus ewes daily during dry period of year

Signature of Owner: Edward Paine
Date: 12-31-63

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Stella M. Paine Address: Circle, Montana
Driller: Boone Whitmer & Sons Address: Wolf Point, Montana
Date of Notice of Appropriation of Groundwater: October 24, 1964
Date well started: October 21 Date completed: October 24, 1964
Type of well: Drilled Equipment used: Cable tool
(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>
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Static Water Level for non-flowing Well: 40 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level: 850 feet at 15 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: bailer Length of Test: 3 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)
Gravel Screen: 73 ft to 93 feet

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.
The writing instrument was filed for record on October 30th, 1964, at 12:45 o'clock p.m., and is duly filed.

County Clerk & Recorder

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)

Stella M. Paine, of Circle, Mont.

1. (Name of Appropriator)
(Address)
(Town)
County of Missoula, State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

2. The beneficial use on which the claim is based: Domestic, gardening, irrigation.

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’s inches or gallons per minute): 10 gals. per min.

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

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

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

8. The depth of water table: 100 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: 155 feet, 12 in. diameter.

10. The estimated amount of groundwater withdrawn each year: 10,920 gallons.

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

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

Signature of Owner: Stella M. Paine
Date: Jan. 8, 1964

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropnator.
<table>
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**State of Montana**  
**County of McCone**

**OFFICE OF COUNTY CLERK & RECORDER**

Filed this 29th day of January, 1964,  
A. D., at 8:30 A. M.

**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)

STATE ENGINEER

Carstein Valla

(Name of Appropriator) (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: Stockwell.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 8 to 3 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: No.

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

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

8. The depth of water table: 2 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: Pipe - 17 feet deep.

10. The estimated amount of groundwater withdrawn each year: 50,000 gallons yearly.

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: No record.

Signature of Owner: Carstein Valla

Date: Dec. 27, 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.
DOCT NO.

WATER WELL LOG FILE NO. 250

CARLENE VOLLA

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF

OFFICE OF COUNTY CLERK & RECORDER

Filed this 27th day of Dec., 1969, A.D.,
at 11:15 A.M.

COUNTY CLERK

STATE ENGINEER

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)

Edward Paine
(Name of Appropriator)

of
(Circle)

County of McCone
(State of)

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: July 1910

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 1910

8. The depth of water table: 10 Feet for surface ground

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Hand dug 184 feet through sandstone

10. The estimated amount of groundwater withdrawn each year: 100,000 gallons

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

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

Signature of Owner: Edward Paine

Date: 2-31-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 499

EDWARD PAINE

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MISSOULA

OFFICE OF COUNTY CLERk & RECORDER

Filed this 31st day of Dec., 1963 A.D.,
at 8:42 o'clock, a.m.

COUNTY CLERK

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Nov 1947

Owner: Edward Prince Address: Circle, Mont.

Contractor (if any): None

Address of Contractor: None

Date Started: None Date Completed: None

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

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

Signature of Owner: Edward Prince

Date: 12-31-36

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 498

EDWARD PAINE

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 31st day of Dec., 1963 A.D.
at 8:41 o'clock a.m.

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)

Edward Paine
(Name of Appropriator)

County of McCone
(State of Mont)

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: Sept 1952

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Aug. 1952

8. The depth of water table: 80 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: 4". Casing 140 feet deep

10. The estimated amount of groundwater withdrawn each year: 800,000 gals.

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

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

Signature of Owner: Edward Paine
Date: 1-2-31-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
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<tr>
<th>Doc. No.</th>
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<tr>
<td>EDWARD PAINE</td>
<td></td>
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<tr>
<td>TO</td>
<td></td>
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<tr>
<td>THE PUBLIC</td>
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<tr>
<td>STATE OF MONTANA</td>
<td></td>
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<tr>
<td>COUNTY OF Mccone</td>
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<td>OFFICE OF COUNTY CLERK &amp; RECORDER</td>
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<tr>
<td>Filed this 31st day of Dec., 1963 A.D.</td>
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<tr>
<td>at 8:43 a.m.</td>
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<td>[Date: 12/31/63]</td>
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</tbody>
</table>

**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

Declaration of Vested Groundwater Rights

(Name of Approprietor) (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 continuous the use has been: __________

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5-10 gallons per minute

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

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

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

8. The depth of water table: __________

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

10. The estimated amount of groundwater withdrawn each year: __________

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

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

Signature of Owner: __________

Date: __________

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approprietor.
127160

DOC. NO.

WATER WELL LOG FILE NO. 349

CARSTEN VOLLA

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF MISSOURI
OFFICE OF COUNTY CLERK & RECORDER.

Filed this 27th day of Dec. 1963, A.D.
at 11:00 o'clock a.m.

S. C. STAFFORD
COUNTY CLERK

FEE $ 2.00

[Signature]
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Nov. 1967

Owner: Edward Pine Address: Circle, Mont.

Contractor (if any): None

Address of Contractor: None

Date Started: None Date Completed: None

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

Sub-irrigation

6" to 8" deep excavations

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:

Year around use Will water 2000 plus acres daily during dry period of year

Signature of Owner: Edward Pine

Date: 12-31-63

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

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

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

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