<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>10'</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>11'</td>
<td>Sand &amp; gravel</td>
</tr>
<tr>
<td>12'</td>
<td>Sand &amp; Clay</td>
</tr>
<tr>
<td>13'</td>
<td>Sand &amp; gravel Clay</td>
</tr>
<tr>
<td>14'</td>
<td>Sand &amp; gravel</td>
</tr>
<tr>
<td>15'</td>
<td>Sand &amp; gravel water</td>
</tr>
<tr>
<td>16'</td>
<td>Depth of Water</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)

Simon Anderson
(Name of Appropriator)

Nashua
(Address)

County of Valley
State of Montana

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

1. The beneficiary use on which the claim is based... Irrigation...
of lands hereinafter described...

2. Date or approximate date of earliest beneficial use; and how continuous the use has been 6-1-61... Continuous since then for irrigation...

3. The amount of groundwater claimed (in miner's inches or gallons per minute)... 600 gal. 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.

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... Motor driven turbine pump...

6. The depth of water table... Top of water table is 37 feet deep...

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... Started 1959, completed 1961...

8. The depth of water table... Top of water table is 37 feet deep...

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... Rotary auger machine... 18 inch hole...

10. The estimated amount of groundwater withdrawn each year... 600,000 gal. per day for 30 days...

11. The log of formations encountered in the drilling of each well if available... 12 ft. yellow clay; 4 ft. sand and gravel; 11 ft. sand and yellow clay; 10 ft. sand and gravel; 11 ft. sand gravel and water...

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... At 500 to 600 gal. per minute water table drop 30 inches... Constant at this rate...

Signature of Owner...

Date... May 25, 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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Charles H. Brooksmith

County of Valley

Declara
tion of Vested Groundwater Rights according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropnator: Charles H. Brooksmith
   Address: Glasgow, Montana

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

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): 20 In. 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: Natural flowing spring located per app.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater, 1912 and use thereafter. Has been walled up and pipe inserted with drainage into tank.

8. The depth of water table: 15 ft. below surface

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: Spring dug out - walled up with drainage pipe.

10. The estimated amount of groundwater withdrawn each year: 20 Gal. Per min., year round use.

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 Claimant: Charles H. Brooksmith
   Date: 1/31/63

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 Appropnator.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Address</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location: Sec. 29 T R \ 4 sec</td>
<td></td>
</tr>
</tbody>
</table>

Type of well: (Dig, driven, bored, or cased) Equipment used: (Chain drill, rotary, other)

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

Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size
Perforated or Screened: Ft. to Ft. to

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

(over)
# WATER WELL LOG

**Owner:**

**Driller:**

**Date Started:**

**Date Completed:**

**Location:** Sec. _ _ T _ R _ _ 4 _ sec.

---

**Type of well:**

<table>
<thead>
<tr>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Equipment used:**

<table>
<thead>
<tr>
<th>(Gas, driven, bored, or drilled)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Chain drill, rotary, other)</td>
</tr>
</tbody>
</table>

**Water use:**

- Domestic
- Municipal
- Stock ✔
- Irrigation

---

**Casing:**

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

**Casing:**

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

**Perforated or Screened:**

<table>
<thead>
<tr>
<th>Ft.</th>
<th>to ft.</th>
<th>Ft.</th>
<th>to ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type of screen or perforations:**

---

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

---

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

---

**Pumping water level:**

---

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

---

**Length of test:**

---

**How tested:**

---

**Remarks:**

(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>2</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>0.0 6</td>
<td>Top soil 6</td>
</tr>
<tr>
<td>1.29 6</td>
<td>Limestone 6</td>
</tr>
<tr>
<td>59.1 6</td>
<td>Limestone + water</td>
</tr>
<tr>
<td>76.2 6</td>
<td>Limestone</td>
</tr>
<tr>
<td>37</td>
<td>Shade 4</td>
</tr>
</tbody>
</table>

STATE OF MONTANA

COUNTY OF WILKIE

COUNTY OF WILKIE

COUNTY OF WILKIE

COUNTY OF WILKIE
Form No. 18
T. 3 NW R. 42 EMM
County: Valley

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Owner: Jay & Ethel Coulter
Address: Residence

Date Started: Aug. 1, 1961
Date Completed: Sept. 1
Location: Sec. 23, T. 2P, R. 42 EMM

Water Well Log

Type of well: Dug, drilled, or drilled
Equipment used: Hand drill, auger, or drill

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

Casing: 40 ft. to 100 ft. Type [ ] Size [ ]
Casing: 100 ft. to 200 ft. Type [ ] Size [ ]
Casing: 200 ft. to 300 ft. Type [ ] Size [ ]

Perforated or screened: 100 ft. to 150 ft. Type [ ] Size [ ]

Type of screen or perforations [ ]
Static water level, for non-flowing well: [ ] feet.
Shut-in pressure, for flowing well: [ ] lb./sq. in. on: (date)

Pumping water level: 15 feet at [ ] gal. per min.

How tested: Pump & Measure
Length of test [ ]

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

[Hand printed]

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 ft</td>
<td>Gravel-Grindey - Blue Shale</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>2</td>
<td>Wagner, Theo. A.</td>
</tr>
<tr>
<td>4</td>
<td>Wagner, cabin</td>
</tr>
<tr>
<td>4</td>
<td>Egan, Edward</td>
</tr>
<tr>
<td>9</td>
<td>Wagner, Stephen</td>
</tr>
<tr>
<td>16</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Wagner, Thos. A.</td>
</tr>
<tr>
<td>24</td>
<td>Wagner, Stephen</td>
</tr>
</tbody>
</table>
### WATER WELL LOG

**Owner:** Tom A. Wagner  
**Address:** Alexander, Montana

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

**Date Started:** July 2, 1961  
**Date Completed:** July 12, 1961

**Location:** Sec. 2 T. 28 R. 43 ¼ sec. SWNE

<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>

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

**Casing:**  
- 37 ft. to 66 ft. Type: Steel  
- Size: 18"

**Perforated or Screened:**  
- 20 ft. to 29 ft.  
- 6 ft. to 9 ft.

**Static Water level, for non-flowing well:** 26 to 29 feet

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

**Pumping water level:** 2.7 feet at 16 gal. per min.

**How tested:**  
**Length of test:**

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

(over)
# Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 26</td>
<td>Clay</td>
</tr>
<tr>
<td>26 - 32</td>
<td>Sand</td>
</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner**: Cabin Wagner  
**Address**: Badan, Mont.  
**Driller**: Wagner & Anderson  
**Address**: Badan, Mont.  
**Date Started**: October 25, 1959  
**Date Completed**: March 25, 1959  

**Location**: Sec. 1  
**Town**: 25  
**Range**: 43  
**Quarter Section**: 1/4  

**Type of well**:  
**Equipment used**:  
**Water use**:  
- Domestic  
- Municipal  
- Stock  
- Irrigation  
- Industrial  
- Drainage  
- Other: Watering trees & garden  

**Casing**:  
**Type**: Transite  
**Size**: 10"  

**Perforated or Screened**:  
**Type of screen or perforations**:  
3/8 & 3/16 holes  

**Static Water level, for non-flowing well**: 86 ft.  
**Shut-in pressure, for flowing well**: 40 ft.  
**Pumping water level**: 85 ft.  
**How tested**: Pump  
**Length of test**: 2 hours  
**Remarks**: Gravel, packing, cementing, packers, type of shut-off, depth of shut-off

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 30'</td>
<td>Heavy Silt</td>
</tr>
<tr>
<td>30' - 75'</td>
<td>Yellow clay loam</td>
</tr>
<tr>
<td>75 - 82'6&quot;</td>
<td>Fine clay to fine sand &amp; some Gravel</td>
</tr>
<tr>
<td>82'6&quot; - 89'8&quot;</td>
<td>Water bearing Gravel</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)

Edward Gordon
(Address)

County of Valley, State of Montana

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

1. Name of Appropnator

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 any 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 School of Mines and Quadruplicate for the Appropnator.
STATE OF MONTANA,
County of Vald.,
Filed for record
MARC 5 1962

By: ________________________
   County Auditor

By: ________________________
   County Registrar

By: ________________________
   Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Stephen Wagner

of

Nathan

(Town)

County of

Duffy

State of

Montana

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

1. The location of each well or other means of withdrawal

2. The beneficial use upon 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. For 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: Stephen Wagner

Date: 3/8/62

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 of the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines.

Quaduplicate for the Appropriator.
STATE OF MONTANA
County of Valley,

Filed for record

MAR 13 1962
at 1:00 p.m.

Perry Lee Eads
County Recorder

Pauline Groves
Deputy
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: Stephen Wagner
Address: Nesheca
Town:
County: Valley
State of Montana

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: Water for livestock

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1957, summer months

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gallons 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 means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Windmill pump, N.W. 1/4 of Sec. 15, T. 28 R. 43

6. The depth of water table: About 2 feet

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 1957

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

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

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

Signature of Owner: Stephen Wagner
Date: 3/8/62

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 Valley,

Filed for record

MAR 13 1962

4:45 am

Mary Jane Beck
County Recorder

Stanley Frech, Deputy
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>4/1 ft. to ft.</th>
<th>Type: Black Iron</th>
<th>Size: 6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>Ft. to Ft.</td>
<td>Ft. to Ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water level, for non-flowing well: 15 feet.
Shut-in pressure, for flowing well: 39 1/2 feet at 9 gal. per min.

How tested: With Pump
Length of test: 1 hour
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1</td>
<td>Top soil</td>
</tr>
<tr>
<td>1-4</td>
<td>Hard pan</td>
</tr>
<tr>
<td>4-34</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>34-39</td>
<td>Water Pan</td>
</tr>
</tbody>
</table>

**STATE OF MONTANA**  
County of Valley  

Filed for record  
At AUG. 27 1957  
County Recorder  
Deputy
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 |

1. **Appropriator**: Dr. Helena Wagoner, 444 Wagoner Street, Helena, MT 59601
   - **County**: Lewis
   - **State**: Montana

2. **Beneficial Use**: Water for livestock

3. **Date of Earliest Use**: July 1, 1947
   - **Duration**: Continuous since 1947
   - **Location**: Well located 1 mile west of Lewis

4. **Amount Claimed**: 3 gallons per minute

5. **Irrigation Use**: Not used for irrigation

6. **Means of Withdrawal**: Windmill

7. **Date of Construction**: 1947

8. **Depth of Water Table**: About 2 feet

9. **Well Specifications**: 12 inches in diameter, 31 feet deep

10. **Estimated Withdrawal**: 10,000 gallons per year

11. **Log of formations**: Not available

12. **Other Information**: Not applicable

**Signature of Owner**: Dr. Helena Wagoner

Date: 5/31/1962

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 School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA;
County of Valley.

Filed for record.

MAR 13 1962

[Signature]
County Auditor

By: [Signature], 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>11</td>
<td>Fritz, Alvin D.</td>
<td>6W N</td>
<td>135065</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Fink, Edward P.</td>
<td>N</td>
<td>139081</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)

ALVIN D. EITZEN
(Name of Appropriator)

of S.R. No. BOX 8, FRAYER
(Address)

County of Valley
State of Mont

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

1. 

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; 1917

4. The amount of groundwater claimed (in minor's inches or gallons per minute) 60 gph per minute

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well and other means of withdrawal

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: ALVIN D. EITZEN
Date: 12-16-63

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.
OWI Approved Stock Form—State Publishing Co., Helena, Montana. 42121

File No. ________________

DUPLICATE

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Edward P. Funk

of

Frozer

County of Valley

State of Montana

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

1. Name of Appropriator

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

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

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

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

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

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

8. The depth of water table: 

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

10. The estimated amount of groundwater withdrawn each year: 

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

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

Signature of Owner

Date: ________________

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.
<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>10</td>
<td>Wolfe Land &amp; Irrigation</td>
<td>GW-2</td>
<td>20052</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Red River Irrigation, A. T.</td>
<td></td>
<td>4 112696</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)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

OWNER: WOLF LAND & LIVESTOCK ADDRESS: OGARO, MONTANA

Date of Notice of appropriation of groundwater: June 14, 1971
Date well started: June 9, 1971
Date completed: June 14, 1971

Type of well: Drilled
Equipment used: Cable Tool Rig
(Deg, 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 Drill</th>
<th>Size and Weight of Cable</th>
<th>Form (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-inch</td>
<td>0-5-inch (50 ft.)</td>
<td>35</td>
<td>62</td>
</tr>
<tr>
<td></td>
<td>10#</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 10 feet
Shut-In Pressure for Flowing Well
Pumping Water Level: 55 feet at 9 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: Basic
Length of Test: 2 hours
Remarks: (Gravel packing, cementing, packers, type of shut-off)

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

(Continue on reverse side)

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

483

Driller’s License Number

Driller’s Signature
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:**

**Address:**

**Driller:**

**Date of Notice of appropriation:**

**Date well started:**

**Date completed:**

**Type of well:**

**Equipment used:**

**Water use:**

**Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, sand, 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: Perforations**

<table>
<thead>
<tr>
<th>Size of Drill</th>
<th>Size and Weight of Cleaning</th>
<th>Foot</th>
<th>Depth (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0-5</td>
<td>10</td>
<td>15</td>
<td>30</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td>62</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Shut-in Pressure for Flowing Well:**

**Pumping Water Level:**

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

**How Tested:**

**Length of Test:**

**Remarks:**

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

(Continue on reverse side)

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

---

**Show 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, these copies to be retained by driller.

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

Driller's License Number

Driller's Signature

Oct 13, 1971
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. A.K. Redekopp
   (Name of Appropriator)
   County of Roomavall
   State of Montana

2. The beneficial use on which the claim is based: well used for stock and house.

3. Date or approximate date of first beneficial use; and how continuous the use has been: June 15, 1948, and have used it ever since.

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

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: June 15, 1948.

8. The depth of water table: 50 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: well is 60 feet deep, 6\% casing, this is a drilled well.

10. The estimated amount of groundwater withdrawn each year: 300,000 gallons.

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, including reference to book and page of any county record: no record.

Signature of Owner: A.K. Redekopp
Date: March 19, 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.
<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>Hammond, Jerry</td>
<td>GW 2</td>
<td>20575</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>M r. Dixon</td>
<td>2</td>
<td>20489</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>2</td>
<td>20589</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Hammond, Mary, Don</td>
<td>GW 4</td>
<td>20589</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Jerry Hammond
Address: Malta, Montana

Drilled: Simpson Drilling Co.
Address: Malta, Montana

Date of Notice of Appropriation of ground water: March 12, 1972
Date Completed: March 12, 1972

Type of well: drilled
Equipment used: churn
(dug, driven, bored or drilled)

Water use: Domestic

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

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Rise and Height of Cutting</th>
<th>From Top</th>
<th>To Feet</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>156</td>
<td>0</td>
<td>108</td>
<td>5/32 holes</td>
</tr>
<tr>
<td>5</td>
<td>116</td>
<td>99</td>
<td>138</td>
<td></td>
</tr>
</tbody>
</table>

Statistical Water Level for non-flowing well: 50 feet.
Shut-in Pressure for Flowing Well: 100 feet.
Pumping Water Level: 8 ft. gal. per minute.
Discharge in gal. per min. of flowing well: 150.

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

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

152 ft. bottom of well
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.

1. Carefully 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 Appropriator.
**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:** Byron Hammond

**Address:** Saco, Montana

**File:** File 00788

**Date well started:** February 17, 1971

**Completed:** Feb 19, 1971

**Type of well:** Drilled

**Equipment used:** Drilled

**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>Size of Field</th>
<th>Size and ( \text{Feet} )</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATION/( \text{Feet} )</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>10' x 14'</td>
<td>0</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 18' above grade

Pumping water level: 25' above grade

at 7.5 gallons per minute measured 15 minutes after pumping began.

*Measured from ground level.

Well developed by:

For: 3 hours.

Power: Electric Pump: 1 HP

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

**Driller's Signature:**

**Driller's Address:** Box 906, Malta, Montana 59538

**LICENSE NO.:** 35

**COUNTY:**

**LICENSE NO.:**

**Driller's Signature:**

**Driller's Address:**

**Well developed by:**

**Power:** Electric Pump: 1 HP

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

Show exact depth of bottom.
STATE OF MONTANA
County of Valley
Filed for Record

MAR 29 1971

[Signature]

County Recorder
Deputy
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: Hyrum Henderson
Address: Box 906, Malta, Montana

Date well started: Feb. 15, 71
Date well completed: Feb. 17, 71

Type of well: drilled
Equipment used: churn

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>Size of Drilled Hole</th>
<th>Size and Shape of Drilling (in.)</th>
<th>Depth (Feet)</th>
<th>To (Feet)</th>
<th>Kind of Hole</th>
<th>Depth (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>5 x 1 1/4 x 0</td>
<td></td>
<td>3 1/2</td>
<td>N</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 6 ft.
Pumping water level 15 ft.
at 40 gallons per minute,
measured minutes after pumping began.

*Measured from ground level.
Well developed by [ ]
for 1 hour.
Power [ ]
Pump [ ]
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: Robert Henderson
Driller's Address: Box 906, Malta, Montana

LICENSE NO. 15
<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Property Description</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>Assessors' Number</td>
<td></td>
</tr>
<tr>
<td>Surveyor's Description</td>
<td></td>
</tr>
<tr>
<td>Owner(s)</td>
<td></td>
</tr>
<tr>
<td>Date ofRecording</td>
<td>MAR 29 1971</td>
</tr>
<tr>
<td>Notary Public</td>
<td>Mary Frederickson</td>
</tr>
<tr>
<td>County Recorder</td>
<td></td>
</tr>
<tr>
<td>Deputy County Recorder</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)

1. Myron L. Bowman
   County of: Valley
   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: household
   and farm stock water

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

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

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

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: 1/16

8. The depth of water table: 30 to 40 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:
   - well No. 1, size of casing 15 inches, depth 40 feet
   - well No. 2, size of casing 15 inches, depth 20 feet

10. The estimated amount of groundwater withdrawn each year: 200,000

11. The log of formations encountered in the drilling of each well if available, more 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: Myron L. Bowman
Date: 12-13-63

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.
STATE OF MONTANA,

County of Valley,

Filed for record

DEC 18 1863

Lee

County Recorder

Pauline Jacobson, Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. HOWARD WITTMAKER & ROBERT WITTMAKER, of Glasgow, (Name of Appropriator) (Address)
   County of Valley State of Montana (State)
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

   Date or approximate date of earliest beneficial use: 1949 - continuous

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

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

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

   NW 3/4 SE 21 + 27 + 37

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

   The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1949

   The depth of water table:

   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: 695' deep, 3' casing, 1/4' pipe

   The estimated amount of groundwater withdrawn each year: 2,000,000 gallons per year

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

   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 Appropriator:

   Date: December 31, 1963

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

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

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

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

ADOLPH ENGSTRONG
(Name of Approporator)
Address

County of Valley
State of Montana

I 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 is livestock and household.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1932, use has been continuous.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 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: No.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: September 1932.

8. The depth of water table: 625 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: Depth of well 625 feet, 4 inch casing, and 1 inch pipe.

10. The estimated amount of groundwater withdrawn each year: 630,000 gallons per year.

11. The log of formations encountered in the drilling of each well if available: No.

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

Signature of Owner: [Signature]

Date: December 10, 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.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>13</td>
<td>DeVito, L.</td>
<td>CW H</td>
<td>238370</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Newton, W.</td>
<td>well 109</td>
<td>211182</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)

and STELLA QUYLE

HELEN DEDOBREK, SOPHIE CZYESKI, (Name of Appropriator)

County of Valley

State of Montana

Glens FALLS (Address)

(Town)

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1953, as follows:

1. The beneficial use on which the claim is based is Livestock and household.

2. Date or approximate date of earliest beneficial use and how continuous the use has been: 1928 - Continuous.

3. The amount of groundwater claimed (in miner's rights or gallons per minute): 10 gallons 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.

5. The means of withdrawing such water from the ground: Electric pump.

6. 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: 1928.

8. The depth of water table: 150 feet.

9. So far as may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 600 feet deep, 2 inch casing, 1" pipe.

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

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

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: December 10, 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 School of Mines and Quadruplicate for the Appropriator.
# MONTANA BUREAU OF MINES AND GEOLOGY
## WATER WELL LOG

**Owner:** Walter Newton  
**Address:** Glasgow  
**Driller:** Carl Palm  
**Address:** Saco

**Date Started:** 8/16/61  
**Date Completed:** 8/30/61

**Location:** Sec. 25 T. 27 N. R. 39 / 4 sec. 21E

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

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

**Water use:**  
- [ ] Domestic  
- [ ] Municipal  
- [ ] Stock  
- [ ] Irrigation

**Industrial:** [ ]  
**Drainage:** [ ]  
**Other:** [ ]

**Casing:**  
- Top ft to: [ ] ft  
- Size: [ ]

**Type:** [ ]  
**Length:** [ ]

**Perforated or Screened:**  
- Ft to Ft  
- Ft to Ft

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** feet  
**Shut-in pressure, for flowing well:** 15 lb/sq. in. on: 8/30/61

**Pumping water level:**  
- Elev. 5 feet at 74 gal. per min

**How tested:**

**Length of test:**

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 8</td>
<td>Hardpan</td>
</tr>
<tr>
<td>8 - 40</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>40 - 48</td>
<td>Brown Clay</td>
</tr>
<tr>
<td>48 - 530</td>
<td>Shale</td>
</tr>
<tr>
<td>530 - 557</td>
<td>Coal Shale</td>
</tr>
<tr>
<td>537 - 547</td>
<td>Sand and Shale, some water</td>
</tr>
<tr>
<td>547 - 572</td>
<td>Sandstone, some water</td>
</tr>
<tr>
<td>577 - 580</td>
<td>Shale</td>
</tr>
<tr>
<td>580 - 582</td>
<td>Water</td>
</tr>
<tr>
<td>582 - 584</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>584 - 590</td>
<td>Sandstone and water</td>
</tr>
</tbody>
</table>

Log of Well
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Dyre H. Mrs. Clare</td>
<td>GW H</td>
<td>439613</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Stoebling, John</td>
<td>GW H</td>
<td>488871</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>De Lory, Boon</td>
<td>GW H</td>
<td>449042</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>&quot;</td>
<td>GW H</td>
<td>498043</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Eida, Herald D.</td>
<td>H</td>
<td>439285</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Newman, Louis E.</td>
<td>H</td>
<td>488850</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>&quot;</td>
<td>GW 2</td>
<td>199113</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Wittmeyer, R.K.</td>
<td>Well log</td>
<td>403720</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>&quot;</td>
<td>GW H</td>
<td>498654</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Newton, Walter K. and</td>
<td>H</td>
<td>436766</td>
<td></td>
</tr>
<tr>
<td></td>
<td>Francis C.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Kittelson, Darrel</td>
<td>GW 2</td>
<td>437251</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>Wiltgen, Emma</td>
<td>GW H</td>
<td>199384</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Kidd, William Jr.</td>
<td>H</td>
<td>438925</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Lant, Paul H.</td>
<td>H</td>
<td>438483</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Brecken, Herbert W.</td>
<td>H</td>
<td>439422</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Longen, B.P.</td>
<td>H</td>
<td>438229</td>
<td></td>
</tr>
<tr>
<td>78</td>
<td>&quot;</td>
<td>H</td>
<td>439245</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)

1. Mrs. Clara Durell of Mathua
   (Name of Appropriator) (Address) (Town)
   County of Valley State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   NE 1/4 NE 1/4, T. 27 R. 40

   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: Stack and home, domestic.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   O 1924 O 1935 O 1945
   Stand by on other two.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute
   on each well

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: Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   O 1955

8. The depth of water table: approx. 80 feet on each well.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   All wells drilled with 6 inch casing, depth 100 to 180 feet.

10. The estimated amount of groundwater withdrawn each year: 5 million gallons.

11. The log of formations encountered in the drilling of each well if available:
   Nov. 29, 1966

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 Mrs. Clara Durell
   Date: 12/31/66

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.