# Groundwater Index

**County:** Phillips  
**Twp.:** 37-0  
**Rge.:** 33-E

<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>18</td>
<td>Patrick Perry</td>
<td>GW14</td>
<td>23278</td>
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</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)

Patrick Casey

Patrick Casey

County of Phillips

State of Montana

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

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

   [describe beneficial use]

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

   1927 Continuous

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

   10 gal per min.

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

   [provide details]

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

   [describe withdrawal methods]

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

   1927

8. The depth of water table:

   10 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:

   [provide specifications]

10. The estimated amount of groundwater withdrawn each year:

    [provide estimate]

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

    [log available or 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:

    [provide information]

Signature of Owner: Patrick Casey

Date: Dec 30, 1963

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Phelps Co.
Filing 12-31-62 at 10:14 H.M.
Fee $2.50
R. V. Maloney
Clerk & Recorder
<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>24</td>
<td>Harold C. Maloney</td>
<td>604</td>
<td>235376</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Lee Stevie</td>
<td>1957</td>
<td>215209</td>
<td></td>
</tr>
</tbody>
</table>
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

Also known as Jerry C. Maloney

1. **Name of Appropriate**: Gerald C. Maloney  
   **Address**: 
   **Town**: Havre  
   **County of**: Phillips  
   **State of Montana**: 

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: **1897 - Continued**

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

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: **Garden & Yard**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1897**

8. The depth of water table: **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: **5 ft. deep**

10. The estimated amount of groundwater withdrawn each year: **4,174,200**

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

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**: Gerald C. Maloney  
   **Date**: August 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.
State of Montana, County of Phillips,

Filed for record this ___ day of Aug., A. D. 19___, and duly recorded in book

Return

[Signature]

 Recorder
WATER WELL LOG

Owner: Lee Staples
Address: Turner, Montana

Driller: R. M. Black
Address: Chinoak, Montana

Date Started: July 17, 1957
Date Completed: July 20, 1957

Location: Sec. 31, T. 36, R. 27, W. M.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
</tr>
<tr>
<td>Casing:</td>
<td>Steel</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>33 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>10 feet at</td>
</tr>
<tr>
<td>How tested:</td>
<td>Bailing</td>
</tr>
<tr>
<td>Length of test:</td>
<td>5 minutes</td>
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</table>

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>0 to 12</td>
<td>Soil boulders</td>
</tr>
<tr>
<td>12 to 4.5</td>
<td>Gravel</td>
</tr>
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</table>
## Groundwater Index

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
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<td>Alfred J. Montalbany</td>
<td>GW4</td>
<td>236928</td>
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<td>34</td>
<td>Alfred J. Montalbany</td>
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<td>236944</td>
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<td>Henry White</td>
<td>GW4</td>
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<td>5</td>
<td>Jacob Montalbany</td>
<td>GW4</td>
<td>237912</td>
<td></td>
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<tr>
<td>5</td>
<td>Jacob Montalbany</td>
<td>GW4</td>
<td>236910</td>
<td></td>
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<tr>
<td>7</td>
<td>W. M. Hennick</td>
<td>GW4</td>
<td>241991</td>
<td></td>
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<tr>
<td>9</td>
<td>Henry White</td>
<td>GW4</td>
<td>246319</td>
<td></td>
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<td>10</td>
<td>W. A. (Henry's widow)</td>
<td>GW4</td>
<td>223397</td>
<td></td>
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<tr>
<td>10</td>
<td>Fred C. White</td>
<td>GW4</td>
<td>237013</td>
<td></td>
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<td>23</td>
<td>Watkins Ranch</td>
<td>GW4</td>
<td>236806</td>
<td></td>
</tr>
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<td>25</td>
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<td>1958</td>
<td>236904</td>
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<td>27</td>
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<td>236904</td>
<td></td>
</tr>
<tr>
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<td>Watkins Ranch</td>
<td>GW4</td>
<td>236904</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Watkins Ranch</td>
<td>GW4</td>
<td>236904</td>
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<td>30</td>
<td>Hector C. Montecy</td>
<td>GW4</td>
<td>235327</td>
<td></td>
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<tr>
<td>31</td>
<td>Watkins Ranch</td>
<td>GW4</td>
<td>236503</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>William F. Montalbany</td>
<td>GW4</td>
<td>236503</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Watkins Ranch</td>
<td>GW4</td>
<td>236503</td>
<td></td>
</tr>
</tbody>
</table>
### Declaration of Vested Groundwater Rights

**State of Montana**

**Office of the State Engineer**

(under Chapter 237, Montana Session Laws, 1961)

**Declaration of Vested Groundwater Rights**

1. **Owner:** Alfred J. Habshek  
   **Address:**  

2. **County of Residence:** Hill  
   **State:** Montana

3. **The beneficial use on which the claim is based:** Stock Homestead

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

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

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

7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:** Jan. 1, 1962

8. **The depth of water table:** 195

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:** 300,000 gal.

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:** Alfred J. Habshek  
**Date:** Dec 30, 1963

---

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
Filad. Dec. 31, 1903.

at 9:09 A.M.

See 2. a.d.

R. V. Maloney
Clerk & Rec.
**WATER WELL LOG**

**Owner:** E. F. Tate
**Address:** Living, Mont.

**Driller:** W. V. Dyadell
**Address:** Malta, Mont.

**Date Started:** July 6, 1960
**Date Completed:** July 16, 1960

**Location:** Sec. 4, T. 36 N., R. 28 W., Phillips County, Montana

**Type of well:** Cased
**Equipment used:** Drill

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

**Casing:**
- 0 ft. to 30 ft.

**Type of well:** Water well
**Size:** 4 1/2

**Perforated or screened:**
- From 31 ft. to 36 ft.

**Type of screen or perforations:** Screened with steel

**Static Water level, for non-flowing well:** 175 ft.

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

**Pumping water level:** 34.5 ft.
**feet at 10 gal. per min.**

**How tested:** Bored

**Length of test:** 90 minutes

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
- Screen installed 36 ft.

---

**Received:** [Signature]
**Date:** June 24, 1960

**Montana Bureau of Mines and Geology**
**Butte, Montana**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>3</td>
<td>3</td>
</tr>
<tr>
<td>3^</td>
<td>370</td>
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<tr>
<td>276</td>
<td>286</td>
</tr>
<tr>
<td>280</td>
<td>304</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Henry Wiese, of Loring
   (Name of Appropriator) (Address) (Town)

County of Phillips, State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1956, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   1. 1914
   2. 1946

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   1. 20 gal.
   2. 20 gal.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   1. Centrifugal pump and gasoline engine
   2. Hand pump and gasoline engine

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1. July, 1914, begun and completed same month.
   2. Sept. 1946

8. The depth of water table:
   1. 5 ft.
   2. 5 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:
   1. Hand dug, plank casing, 11 ft. deep
   2. Hand dug, plank casing, 11 ft. deep

10. The estimated amount of groundwater withdrawn each year:
    1. 200,000 gal.
    2. 100,000 gal

11. The log of formations encountered in the drilling of each well if available:
    1. 5 ft. alkali
    2. 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:

Signature of Owner: Henry Wiese
Date: August 25, 1967

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
246220

State of Wyoming,
County of Phillips,
Filed for Record this 26th day of Aug., A.D. 1937, in Book M, and duly entered in Book 35 of
County Recorder
By
Fee $2.00
Return
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner: JACOB GRADY

Address: LOMPA, MONTANA

Driller: J. S. DRILLING CO

Address: MALTA, MONTANA

Date of Notice of appropriation of ground water: Feb 3, 1964

Date well started: Feb 3, 1964

Date Completed: March 3, 1964

Type of well: Drilled

Equipment used: Churn

(dug, driven, bored or drilled)

Water use: Domestic (x) Municipal (x) Stock (x) Irrigation (x)

Industrial (x) Drainage (x) Other (x)

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 Type of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in.</td>
<td>3/16 in.</td>
<td>0</td>
<td>285</td>
<td>Close 2 holes</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 195 feet

Shut-In Pressure for Flowing Well: 5 feet

Pumping Water Level: 220 feet

at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Chuck

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 pertinent information, including number of acres irrigated, if used for irrigation: 2 rubber packers placed above perforations

**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 Appropriator.
State of Montana,
County of Phillips,

Filed for Record this 3rd day of December, 1967, at 2:25 o'clock, P.M., and duly recorded in book
31 of.

By

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

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

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

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

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

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: garden

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: 1958

8. The depth of water table: 9 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: hand dug 6 x 6' diameter, 10 feet deep

10. The estimated amount of groundwater withdrawn each year: 1,000,000

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

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

Signature of Owner: Jacob Grabofsky
Date: December 30, 1963

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

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

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

1. A. M. Granlund, of Loring

County of Phillips, State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1965, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1925 continuous

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 the 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. Gas pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1925-1925

8. The depth of water table. 13 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.
   Hand Dug 6 x 4 Wooden 15 feet

10. The estimated amount of groundwater withdrawn each year. 36,000 gallons

11. The log of formations encountered in the drilling of each well if available.
   0-13 Clay
   13-13 Gravel

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: Dec. 8, 1965

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 Appririator.
State of Montana,

County of Phillips,

Filed for Record this ... day of A.D. 19... at ... o'clock M. and duly Recorded in book ... of ....

[Signature]
Recorder

By: 

Fee: 

Return: 

Mar. 16, 92
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Henry Wise
   of
   Loring

2. The beneficial use on which the claim is based:
   1. Domestic and stock
   2. Stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   1. 1948
   2. 1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1. 20 gal. 2. 30 gal. per min.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   1. Electric pump
   2. Portable gasoline pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1. Begun and completed in Sept. 1948
   2. Begun and completed in June 1961

8. The depth of water table:
   1. 6 ft.
   2. 4 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:
   1. hand dug
   2. plank casing: 6" x 4.5 ft.
   3. Hand dug
   4. 12 ft. deep
   5. 2. 10 ft. deep

10. The estimated amount of groundwater withdrawn each year:
    1. 100,000 gallons
    2. 200,000 gal.

11. The log of formations encountered in the drilling of each well if available:
    1. 6 ft. alkali ground,
    2. Sand, all the way

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: August 25, 1967

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.
246219

State of Montana,
County of Phillips.  
Filed for Record this 25th day
of August A. D. 1947 at 11 A. M. and duly
Recorded in book

By:  
Fee: 2.00  
Reams:  

Recording Recorder
### Water Well Log

**Owner:** S. S. A.  
**Address:**  

**Driller:** Henry & Fred Masse  
**Address:** Loring, Montana  

**Date Started:** August 1, 1959  
**Date Completed:** August 1, 1959  

**Location:** Sec. 10  
T. 36 N  
R. 26 W  
**SEMINE**

| Type of well | **Dug**  
|--------------|------------------|
| **Equipment used** | **Shovel**  
| **(High, driven, bored, or arched)** | (Chaser drill, rotary, other)  

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Other:</th>
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<table>
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<tr>
<th>Casing:</th>
<th>0 ft. to 71 ft.</th>
<th>Type: Wood</th>
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<table>
<thead>
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<th>ft. to ft.</th>
<th>Type:</th>
<th>Size:</th>
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<table>
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<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type:</th>
<th>Size:</th>
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<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
<th>Ft. to Ft.</th>
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</thead>
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<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
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<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>Four feet</th>
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</thead>
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<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>Ib./sq. in. on:</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>How tested:</th>
<th>Dry hole when dug. Filled to the depth of 4 feet in 24 hours.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>24 hours</th>
</tr>
</thead>
</table>

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

---

(by 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>0</td>
<td>3</td>
<td>Blue clay</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>6</td>
<td>Blue clay mixed with sand</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>7</td>
<td>Sand</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Fred C. Wise
   (Name of Appropriator)
   of
   (Address)
   State of
   Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   2. The beneficial use on which the claim is based,
      (Cattle and stock irrigation)

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      (1947) (continuous)

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
      
   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      
   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      June 1947

   8. The depth of water table
      3 ft.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      Well 2

   10. The estimated amount of groundwater withdrawn each year
      500, 000 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
      Fred C. Wise
      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.
Phillips Co.

Filed 12-31-63
at 10:22 A.M.

R. L. Maloney
Clerk & Recorder
Declaration of Vested Groundwater Rights
(under Chapter 237, Montana Session Laws, 1961)

1. Watkins Ranch  
   (Name of Appropiator)  
   County of Phillips  
   State of Montana  
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1957 - continuous

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... July 5, 1957 - July 7, 1957

8. The depth of water table... 8 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... hand dug, 6 ft. square, wood casing, 12 ft.

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

11. The log of formations encountered in the drilling of each well if available... 0 - 3. Clay and sand, 3 - 6. sand and gravel, 6 - 12. water bearing sand and gravel

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... December 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropiator.
Filed: Dec 30, 1963
at: 3:57 P.M.
Jan 9, 1964

Rosalind Musgrove
Clark & Rowan
<table>
<thead>
<tr>
<th>Service</th>
<th>0-0 Forest land leased</th>
</tr>
</thead>
</table>

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>State Engineer</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Watkins Farm</td>
<td>Loring</td>
</tr>
</tbody>
</table>

Driller: Self Drilled | Address: |

Date Started: July 5, 1957 | Date Completed: July 7

Location: Sec. 23 T. 36 R. 28 | Sec. SENE

Type of well: Dug | Equipment used: Pick Shovel

Water use: Domestic | Municipal | Stock | Irrigation

Industrial | Drainage | Other:

Casing: Wood | ft. to 12 ft. | Type: Wood | Size: 6 x 6 ft.

Casing: | ft. to ft. | Type: | Size:

Casing: | ft. to ft. | Type: | Size:

Perforated or Screened: Ft. to Ft. | Ft. to Ft.

Type of screen or perforations:

Static Water level, for non-flowing well: 8 ft.

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

Pumping water level: 10 feet at 15 gal. per min.

How tested: Rotary Pump

Length of test: 1 Hour

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3 ft</td>
<td>CLAY, SAND</td>
<td></td>
</tr>
<tr>
<td>3 ft</td>
<td>6 ft</td>
<td>SAND, GRAVEL</td>
<td></td>
</tr>
<tr>
<td>6 ft</td>
<td>12 ft</td>
<td>WATER BORING SAND, GRAVEL</td>
<td></td>
</tr>
</tbody>
</table>
Montana Bureau of Mines and Geology
Butte, Montana

State Engineer
WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Driller</th>
<th>Water use</th>
<th>Casing:</th>
<th>Perforated or Screened:</th>
<th>Type of screen or perforations:</th>
<th>Static Water level, for non-flowing well:</th>
<th>Shut-in pressure, for flowing well:</th>
<th>Pumping water level:</th>
<th>How tested:</th>
<th>Length of test:</th>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wetkins Herford Ranch</td>
<td>Self-Dug</td>
<td>Domestic</td>
<td>ft. to ft.</td>
<td>ft. to ft.</td>
<td>ft. to ft.</td>
<td>ft. to ft.</td>
<td>ft. to ft.</td>
<td>ft. to ft.</td>
<td>lpm</td>
<td>1 Hour</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>8</td>
</tr>
<tr>
<td>8</td>
<td>12</td>
</tr>
</tbody>
</table>

Date of record: 21/6/07

[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Wakinca Ranch, of Loving
   (Name of Appropriator) (Address) (Town)
   County of Phillips, State of Montana
   have appropriated groundwater according to the Montana law in effect prior to January 1, 1963, 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. 1968 continuous

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. May 10, 1948 - May 15, 1948

8. The depth of water table 8 ft.

9. As 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, 8 ft., by 8 ft., wood casing, 14 ft.

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

11. The log of formations encountered in the drilling of each well if available: 0-3 clay, 3-6 clay & sand, 6-8 sand & gravel, 8-12 water bearing sand and gravel

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 December 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Miss * 15-826

236804

Filed: Dec. 30, 1963
At: 3:55 P.M.
Fee: $0.00

Received

 Clerk: Bender
**MONTANA BUREAU OF MINES AND GEOLOGY**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td><strong>Waukins Ranch</strong></td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td><strong>Carl Palm</strong></td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td><strong>7/14/58</strong></td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td><strong>Sec. 27 T. 34 R. 28 1/4 sec. NE 1/4</strong></td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

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

**Equipment used:** Cherry drill

**Casing:**
- Top: 74 ft to 110 ft  Type: 4 1/2 in.  Size: 4 1/2 in.
- Casing:
- Perforated or Screened: Ft. to Ft.

**Static Water level, for non-flowing well:** 78 feet.

**Shut-In pressure, for flowing well:** [date]

**Pumping water level:** 10.5 feet at 8 gal. per min.

**How tested:** height raised per min.

**Length of test:** 2 hrs.

**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 - 2</td>
<td>Top Soil</td>
</tr>
<tr>
<td>3 - 38</td>
<td>Sandy Yellow Clay</td>
</tr>
<tr>
<td>38 - 39</td>
<td>Gravel</td>
</tr>
<tr>
<td>39 - 105</td>
<td>Sandy Blue Clay</td>
</tr>
<tr>
<td>105 - 110</td>
<td>Sandstone</td>
</tr>
<tr>
<td>110 - 113</td>
<td>Rock</td>
</tr>
<tr>
<td>113 - 125</td>
<td>Sandstone + Water</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Watkins Ranch
   Name of Appropriator

   of
   Address

   Loring
   Town

   County of Phillips
   State of Montana

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

   2. The beneficial use on which the claim is based
      1. Stock
      2. Domestic 3. Stock

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      1. 1910 continuous 2. 1945 continuously 3. 1958 continuous

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1. 1 gallons per min. 2. 3 gallons per min. 3. 8 gallons 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
      3. acre

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      1. Electric motor and pump 2. Electric pump set 3. Electric submersible pump

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      1. 1910 2. Fall 1945 3. 7-16-58 4. 7-16-58

   8. The depth of water table
      1. 32 ft. deep 2. 32 ft. 3. 78 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
      1. Drilled 5 in. steel casing 40 ft. deep 2. Drilled 3.8 in. steel casing 110 ft. deep

   10. The estimated amount of groundwater withdrawn each year
      1. 80,000 gallons 2. 10,000 gallons 3. 700,000 gallons

   11. The log of formations encountered in the drilling of each well if available
      1. 0-2 top soil 2. 38 sandy yellow clay 38-40 gravel
      2. 0-2 top soil 2. 38 sandy yellow clay 38-39 gravel 39-105 sandy blue clay 105-110 sandstone 110-113 Rock 113-125 sandstone 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

   Signature of Owner

   Date Dec. 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate to the Appropriator.
Filed: Dec 30, 1963
at: 3:59 P.M.
Fee: $2.00
**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**MONTANA WATER RESOURCES BOARD**
**MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION**

**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:**

**Address:**

**Date well started:**

**Date well completed:**

**Type of well:**

**Equipment used:**

**Water Use:**

*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 Borehole</th>
<th>Size of Shaft</th>
<th>Depth of Casing</th>
<th>Size of Pipe</th>
<th>Depth of Pipe</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1/2</td>
<td>6 3/8</td>
<td>40</td>
<td>1/4</td>
<td>20</td>
</tr>
<tr>
<td>39</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:**

**Pumping water level:**

*Measured from ground level.*

**Power:**

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

---

**Driller's Signature:**

**Driller's Address:**

**LICENSE NO.**

---

**County:**

**RECEIVED**

**Driller's Log**

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

**Top of Ground**

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.25</td>
<td>Clay, Rock</td>
</tr>
<tr>
<td>23.45</td>
<td>Gravel</td>
</tr>
</tbody>
</table>

**Static water level:** 17 ft.

**Pumping water level:** 35 ft.

*Measured from ground level.*

**Power:**

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

**Show exact depth of bottom:** 40 ft.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Also known as Jerry C. Maloney

County of

State of

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1900 Continuous

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Spring of 1900

8. The depth of water table: 8 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: Hand dug 2' 3/4 diameter

10. The estimated amount of groundwater withdrawn each year: 2,097.400

11. The log of formations encountered in the drilling of each well if available: 8 ft gravel

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: Gerald C. Maloney

Date: August 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.
State of Montana,
County of Phillips,

Filed for Record this 32 day of Aug. A.D. 1873
o'clock P.M. and duly Recorded in book

By: ____________________________
Feet: __________________________
Return: _______________________
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Watkins Ranch
   (Name of Appropriator)
   State of Montana
   County of Phillips
   (Address)
   (Town)
   Stock

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 12 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 manner of withdrawing such water from the ground and the location of each well or other means of withdrawal... windmill and pump

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

8. The depth of water table... 150 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... Drilled, 6 in., casing steel, 150 ft. deep

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... 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... 
Date... December 30, 1963

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

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

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

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

1. W. T. Maasfalk, of , of
(Name of Appropriator) (Address) (Typed)

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

(Names of Appropriators) (Address) (Typed)

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been June 19-61 to present Continuous

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

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

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 June 19-61 to present

8. The depth of water table 17 ft. 2 in. 23 ft. 4 in.

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 365000

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 Dec. 30, 1963

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

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

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

Developed after January 1, 1963

(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:** Watkins Ranch

**Address:** Loving, Mont.

**License No.:** 196

---

**Date well started:** 6-19-72

**Completed:** 6-20-72

---

**Type of Well:** Drilled

**Equipment used:** (Drill, driven, bored or drilled)

---

**Water Use:** Municipal [X] Stock [X] Irrigation [ ]

Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [X]

---

**Describe Uses 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:** 180,000

---

**Top of Ground:**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>15</td>
</tr>
</tbody>
</table>

---

**Static water level:** 45 ft.

**Pumping water level:** 50 ft.

at 1400 gallons per minute measured minutes after pumping begun.

*Measured from ground level.

**Well developed by:** for hours.

**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:** R. Lee D. Ackel

**Driller's Address:** Turner, Mont.

---

**License No.:** 196

---

**Show exact depth of bottom:** 50,939

---
## Groundwater Index

**County:** *Phillips*  
**Twp.:** 36-N  
**Rge.:** 29-E

<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>5</td>
<td>Mary Behman</td>
<td>GW4</td>
<td>236067</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Helma Kinyacht</td>
<td>GW2</td>
<td>235034</td>
<td></td>
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<tr>
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<td>Watkins Ranch</td>
<td>1958</td>
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<td>Watkins Ranch</td>
<td>GW4</td>
<td>236035</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Luke Johansson</td>
<td>GW4</td>
<td>236049</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Owen Johansson</td>
<td>GW4</td>
<td>236050</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Watkins Ranch</td>
<td>GW4</td>
<td>236042</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)

Mary Bahman, of Loring
County of Phillips
State of Montana

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

1. The beneficial use on which the claim is based: Household and Stock Water

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

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 12 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 and the location of each well or other means of withdrawal: Mechanical cylinder pump

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: About 1923

7. The depth of water table: 302 feet

8. The type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled, 10 casing (steel), 302 feet

9. The estimated amount of groundwater withdrawn each year: 4,000,000 gal per year

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

11. 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: Mary Bahman
Date: Dec. 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Phillips Co.
Filed 12-31-63
at 7:24 AM
Dec 3, 1963
K. V. Maloney
DA: Rec.
Notice of Completion of Groundwater Appropriation by Means of Well

Under Chapter 237, Montana Session Laws, 1961

Owner:  Delsen Dyrdahl
Address:  Living, Montana

Driller:  Simpson Drilling Co
Address:  Malts, Montana

Date of Notice of Appropriation of Groundwater:  May 26, 1964
Date Completed:  June 4, 1964

Type of Well:  Drilled

Equipment Used:  Churn

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

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

<table>
<thead>
<tr>
<th>Strata Met</th>
<th>Weight of casing (Pounds)</th>
<th>Static Water Level for non-flowing well</th>
</tr>
</thead>
<tbody>
<tr>
<td>13 ft</td>
<td>230</td>
<td>239 feet</td>
</tr>
<tr>
<td>275 ft</td>
<td></td>
<td>279 feet</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 239 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level:
Discharge in gal. per min. of flowing well

How Tested:  bailer

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)

Driller:  Simpson Drilling Co

Date well started:  May 26, 1964
Date Completed:  June 4, 1964

Date of Notice of appropriation of ground water:  May 26, 1964

Date Completed:  June 4, 1964

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 Appropriate.
On U.S. Forest Service land
Leased for return

Received
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

Owner: Walking Horseood Ranch

Date Started: July 16, 1946
Date Completed: July 20, 1946
Location: S 1/4 NW 1/4 Sec. 26, T 30 N, R 59 W

Type of well: Self-Dug
Equipment used: Pick and Shovels

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 Ft.

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: Walking Horse Ranch
Address: [Address]

Date Started: July 14, 1946
Date Completed: July 20, 1946

Location: 49 16 28 M sec

Type of well: Draw

Equipment used: [Equipment]

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

Industrial [ ] Drainage [ ]

Casing: ft. to ft. Type Wood 8 x 16 - 12/16" 5/8"

Oiling: ft. to ft.

Perforated or Screened: Ft. to Ft. Ft. to Ft.

Type of screen or perforation:

Static water level, for non-flowing well: feet.

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

Pumping water level: 10 feet at 15 gal. per min.

How tested: Rotax Pump

Length of test: 1 Hour

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0–3</td>
<td>Clay</td>
</tr>
<tr>
<td>3–6</td>
<td>Clay/Sand</td>
</tr>
<tr>
<td>6–8</td>
<td>Sand/Gravel</td>
</tr>
<tr>
<td>8–12</td>
<td>Water Bearing Sand/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)

1. Watkins Ranch

(Name of Appropriator)

County of

(Town)

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.

Stock

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

1946

continuous

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

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

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

windmill and pump

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

July 16, 1946 - July 20, 1946

8. The depth of water table.

5 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. 8 ft. by 16 ft. wood casing, 12 ft. deep.

10. The estimated amount of groundwater withdrawn each year.

250,000 gallons

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

3 ft. clay, 3 ft. sand and gravel, 8 ft. water-bearing sand and gravel

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

December 30, 1963

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

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

Original to the County Clerk and Recorder, Duplicate to the State Engineer, Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Filed: Dec 30, 1963
At: 3:56 P.M.
Fee $7.00

Roseline W. Macomber
Clerk & Recorder