# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Iver Johanneson</th>
<th>Heighting</th>
<th>County of Phillips</th>
<th>State of Montana</th>
</tr>
</thead>
</table>

Iver Johanneson and his assigns have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. **Name of Appropriator:** Iver Johanneson
   **Address:** Heighting
   **Town:**
   **County:** Phillips
   **State:** Montana

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

3. **Date or approximate date of earliest beneficial use; and how continuous the use has been:**
   July 24, 1913

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

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:**
   **Subsurface Electric Pump**

7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:**
   May 31, 1963
   **July 26, 1963**

8. **The depth of water table:** 240 feet

9. **So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:**
   Drilled 4 Steel casing 370 feet deep

10. **The estimated amount of groundwater withdrawn each year:** 365,000

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

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

   Signature of Owner: Iver Johanneson
   Date: 12/27/63

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 Phillips, 

Filed the Record at 27-6-1925, and duly recorded in Book 20 of Deeds, Page 2 as above described.

By: __________________________

[Signature]

[Date]

[File #: 236649]
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Provisional Groundwater Code, Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

The undersigned, Ivan Johnson, of Loring, 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 Livestock and Irrigation of garden

2. Date of approximate date of earliest beneficial use: February 10, 1962

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

4. The acreage and description of the lands to which water has been applied and name of the owner thereof:
   1/4 acre garden in SE NW 1/4

5. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - Feb 2, 1962 - Completed Feb 10, 1962

6. The depth of water table:
   - 190 feet

7. The log of formations encountered in the drilling of each well:
   - Drilled 4" steel casing - 245 feet deep
   - Deep-rock layer, 145 feet, gray sandstone, 123 feet, gray sandstone, 105 feet, gray sandstone, 100 feet, gray sandstone, and some coal, 205 feet, gray sandstone

8. The estimated amount of groundwater withdrawn each year:
   - 1,050,000

9. The log of formations encountered in the drilling of each well:
   - Drilled 4" steel casing - 245 feet deep
   - Deep-rock layer, 145 feet, gray sandstone, 123 feet, gray sandstone, 105 feet, gray sandstone, 100 feet, gray sandstone, and some coal, 205 feet, gray sandstone

10. The type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
    - Drilled 4" steel casing - 245 feet deep

11. The estimated amount of groundwater withdrawn each year:
    - 1,050,000

12. The log of formations encountered in the drilling of each well:
    - Drilled 4" steel casing - 245 feet deep
    - Deep-rock layer, 145 feet, gray sandstone, 123 feet, gray sandstone, 105 feet, gray sandstone, 100 feet, gray sandstone, and some coal, 205 feet, gray sandstone

Signature of Owner: [Signature]
Date: 12/27/63

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 Phillips, 

Filed for Record Ye. 2. 7. day 
of. Nov. A. D. 1963 at 7:20, 
clock o'clock A.M. and duly Recorded in book 

By: 

Reel of Disc. County Recorder

Fee: $2.00

Return:
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)
   of
   (Address)
   (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: Stock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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: Fall 1948

8. The depth of water table: 32 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. steel casing, 42 ft. deep

10. The estimated amount of groundwater withdrawn each year: 350,000 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.
<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>Arnold Helie</td>
<td>GW4</td>
<td>2-4270</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Andrew Helie</td>
<td>1957</td>
<td>2-17053</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Leonard E. Wingeat</td>
<td>GW4</td>
<td>2-46196</td>
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<td>Leonard E. Wingeat</td>
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</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Arnold Helie

White River

Phillips

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: domestic

2. The date or approximate date of earliest beneficial use: March 1932

3. The manner in which the use has been 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: 10 acres, only for garden

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

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

8. The depth of water table: 30 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, town: 170 ft deep

10. The estimated amount of groundwater withdrawn each year: 50,000 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: Arnold Helie

Date: Mar. 22, 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 27th day of March, D. 1913, at 11:55 a.m., and duly recorded in book
Page 5 of

[Signature]

By

Return...
# WATER WELL LOG

**Owner:** Andrew Hellie  
**Address:** Loring, Montana

**Driller:** Carl Pala  
**Address:** Saco, Montana

**Date Started:** November 27, 1937  
**Date Completed:** Dec. 10, 1937

**Location:** Sec. 9 T. 36 R. 30 NW 1/4

**Type of well:** drill  
**Equipment used:** Matthew Churndrill

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

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

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

**Perforated or Screened:** Pt. 18 to ft. 61 Ft. to ft.

**Type of screen or perforations:** 1/8 X 6".

**Static Water level, for non-flowing well:** 20 feet.

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

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

**How tested:**  
**How long:** 1 hr. each time

**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>20'</td>
<td>Clay, Gravel &amp; Boulders</td>
</tr>
<tr>
<td>22'</td>
<td>Blue Clay</td>
</tr>
<tr>
<td>1'</td>
<td>Water, Sand &amp; Gravel</td>
</tr>
<tr>
<td>19</td>
<td>Shale</td>
</tr>
</tbody>
</table>

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**Notes:**

- [250 feet] Site and clay deposited in pool
- [250 feet] Water level, 0.8 feet
- [250 feet] District, 0.8 feet
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. Lucy and W. Knight 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.

   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 depth of water table.

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

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

   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: Leonard K. Knight
Date: 2-12-63

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.
Miss 15347

234196

State of Montana,
County of Phillips, 

Filed for Record this 1st day of March, A.D. 1963 at 10:00 A.M.

By

Fee $3.00

Returns...
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Leonard E. Wingert**, of **Helena**, 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: **Livestock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **About 1920, periodic, partly dry summer**

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: **About 100 acres, **

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **About 1920**

8. The depth of water table: **Don't know**

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 by win. , 100 ft. deep**

10. The estimated amount of groundwater withdrawn each year: **100,000 gal. (dry summer)**

11. The log of formations encountered in the drilling of each well if available: **Don't know**

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: **Don't know**

**Signature of Owner:** 

**Date:** 2-12-63

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>
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<tbody>
<tr>
<td>7</td>
<td>Ray McMullen</td>
<td>GW2</td>
<td>25402</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Lawrence McMullen</td>
<td>GW4</td>
<td>271285</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>James McNab</td>
<td>GW4</td>
<td>237122</td>
<td></td>
</tr>
</tbody>
</table>

County: Phillips  
Twp: 34 - North  
Rge: 21 - East
### Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Ray McConley  
**Address:** Whitewater

**Driller:** R.D. Simpson  
**Address:** Malta

**Date of Notice of Appropriation of Groundwater:** Nov. 12, 1971

**Date Well Started:** Nov. 12, 1971  
**Date Completed:** Nov. 23, 1971

**Type of Well Drilled:**  
- (dug, driven, bored or churn, drill, rotary or other)

**Equipment Used:** Cable tog

**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 Drilled</th>
<th>Size and Weight of Casing</th>
<th>Depth From (Feet)</th>
<th>To (Feet)</th>
<th>PEROSSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 in.</td>
<td>5-in. I.D.</td>
<td>0</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

**Est. Annual Withdrawal:** 250,000 gallons

**Static Water Level for Non-Flowing Well:** 78 feet.

** Shut-in Pressure for Flowing Well:**  
**Pumping Water Level:** 86 feet, 5 gal. per minute.

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

**How Tested:** balling

**Length of Test:** 2 hours

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

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

(Under Chapter 237, Montana Session Laws, 1951)

Owner: Ray McKullen
Address: Whitewater

Driller: R.C. Simpson
Address: Malta

Date of Notice of appropriation of ground water: NOV. 18, 1977

Type of well: Drilled
Equipment used (dug, driven, bored, or drilled): Churn, drill, rotary, or other

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

Indicate on the diagram the character and thickness of the strata met with in drilling, such as sand, clay, shale, etc.; also depth at which water is encountered, thickness and name of the water-bearing strata and height to which the water rise in the well.

Est. annual withdrawal 80,000 gallons

Static Water Level for non-Irrigation: 78

Shut-in Pressure for Flowing Well: 66

Pumping Water Level: 66

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

How Tested: Balling

Length of Test: 6 hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of pump, and other pertinent information including number of acres irrigated if used for irrigation)

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

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

Original to County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for Appropriator.
<table>
<thead>
<tr>
<th>Description</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Description 1</td>
<td>Amount 1</td>
</tr>
<tr>
<td>Description 2</td>
<td>Amount 2</td>
</tr>
<tr>
<td>Description 3</td>
<td>Amount 3</td>
</tr>
</tbody>
</table>

Filing Date: 1st Day of Month

Certified by: [Signature]

Filed or Recorded on: [Date]

Recorded in: [Record Number]
PHILLIPS COUNTY

COUNTY COMMISSIONERS
PAUL K. KROPP, Chairman
Malta, Montana
DANNY L. DARRISON
Bea, Montana
LESTER WILKIE
Wagner, Montana
District Judges
THOMAS DIXON
Stevens, Montana
Clara and Recorder
ROSALINE MALONEY
Treasurer
RUDOLPH LUNDMAN

MONTANA WATER RESOURCES BOARD

Dear Sirs:

We have a correction on an old Declaration of Vested Water Rights as follows:

Our Misc. No. 15227, Doc. No. 231295
Leonard McMullen, Whitewater, Montana
Well location corrected from SE1/4 Sec. 7-36-31
       to SW1/4 Sec. 7-36-31

Very truly yours,

ROSALINE V. MALONEY
Clerk and Recorder
Malta, Montana 59538

Misc. 15227 was filed here March 30, 1962

MONTANA WATER RESOURCES BOARD

RECEIVED

MARCH 31, 1964
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

LEONARD McMULLEN, of WHITEWATER
(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, 1963, as follows:

2. The beneficial use on which the claim is based: STOCK WATER AND GARDEN IRRIGATION.

3. Date or approximate date of earliest beneficial use and how continuous the use has been: MARCH 10, 1944, IN USE CONTINUOUSLY.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 1/4 ACRE OF SE COR OF SECTION 7, T. 34 N., R. 31 W.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: PUMP: 2 1/2 IN CYLINDER.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: COMMENCED MARCH 8, 1944, COMPLETED MARCH 10, 1944.

8. The depth of water table: 28 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 4 IN CASING 18 FT DEEP, WINDMILL AND ELECTRIC MOTOR.

10. The estimated amount of groundwater withdrawn each year: 252,000 GAL.

11. The log of formations encountered in the drilling of each well if available: 0-40 FT BROWNCLAY AND ROCKS, 40-55 SANDY BROWNCLAY, 55-70 SANDY BLUECLAY, 70-72 LARGE BOULDER, 72-90 SANDY BLUECLAY 90-100 SAND, 100-107 HARD CLAY, 107-200 MUDRY SAND, 200-212 SANDY GRAVE 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: NO RECORD.

Signature of Owner: LEONARD McMULLEN
Date: March 31, 1944

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 30 day of May A.D. 1962, and duly recorded in book
of
Page
of
Recorder
By
Fee
Received

231295
<table>
<thead>
<tr>
<th>1. James Murdock</th>
<th>Whitewater</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name of Appropriator)</td>
<td>(Address)</td>
</tr>
<tr>
<td>County of Phillips</td>
<td>State of Montana</td>
</tr>
</tbody>
</table>

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1948 continuous replaces one dug in 1910

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:

| SESE 1/4 NW Sec. 13 T 36 R 33 |

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: fall 1948

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: drilled, 6 in. steel casing, 88 ft.

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

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

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

Signature of Owner: /s/ James A. Murdock

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.
Meat 1609.4
237122.

Phillips Co.
Filed 12-31-63
at 1:01 P.M.
Fee $2.00

R. D. Maloney
Clerk of 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>
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<td>Robert J. Francis Anderson</td>
<td>GW4</td>
<td>236422</td>
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<td>7</td>
<td>James A. Mordich</td>
<td>GW4</td>
<td>236918</td>
<td></td>
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<tr>
<td>13</td>
<td>Helen M. Frerencamp</td>
<td>GW4</td>
<td>236708</td>
<td></td>
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<td>18</td>
<td>James A. Mordich</td>
<td>GW2</td>
<td>230065</td>
<td></td>
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<tr>
<td>23</td>
<td>Milton J. Olmier</td>
<td>GW4</td>
<td>236763</td>
<td></td>
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<tr>
<td>26</td>
<td>Russell Benner</td>
<td>GW2</td>
<td>240206</td>
<td></td>
</tr>
</tbody>
</table>
# Declaration of Vested Groundwater Rights

## (Under Chapter 237, Montana Session Laws, 1961)

| 1. | Name of Appropriator                                                                 | Address                      | Town |
|    | County of                                                                 | State of                      |

- **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                                      |
|    |                                                                                     |

| 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: [Signature]

Date: Dec. 30, 1962

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Misn # 15705

236672

Filed: Dec 30, 1963
At: 10:35 A.M.
Fee & St. 00

Rosalind McLinney
Clerk: Alder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

[Name]
(Town)

County of [County]
State of Montana

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

1. Address: [Address]

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

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

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

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: [Acreage]

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

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

8. The depth of water table: [Depth]

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

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

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

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: [Reference]

Signature of Owner: [Signature]
Date: [Date]

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Filed: Dec. 30, 1963
At: 4:09 P.M.
Fee $3.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1962)

1. Helen M. Haenencamp
   (Name of Appropriator)  WhiteWater
   (Address)
   (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: stock water

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: at least 25 years

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

   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: unknown, at least 25 years

   8. The depth of water table: 15 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: 3 feet in diameter, 90 foot deep

   10. The estimated amount of groundwater withdrawn each year: 5,000,000

   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: Helen M. Haenencamp
   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.
Mar 15 880
$36908

J. McRae Oct 31, 1963
8:39 A.M
See 7 2-10

R. O. Maloney
(Chief Recorder)
Marie 15-880

236908

Filed Dec. 31, 1963
8:39 A.M.

Lee & 20.0

R. U. Maloney
(County Recorder)
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: James Harder
Address: Whitewater, Montana

Driller: Simpson Drilling Co
Address: Malta, Montana

Date of Notice of appropriation of ground water

Date well started: March 19, 1971
Date Completed: April 6, 1972

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

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

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

Static Water Level for non-flowing well
1/4 in. 18º above ground feet.

Shut-in Pressure for Flowing Well
Pumping Water Level: 40 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: discharging
Length of Test: one hour

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

Show exact depth of bottom.

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Milton J. Olsen, of Whitefish,
   (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, 1962, as follows:

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

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

   4. The amount of groundwater claimed (in 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:

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

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

   8. The depth of water table: 30 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 ft. in diameter, 40 ft. deep

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

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

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

   Signature of Owner:

   Date: 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.
Misc. No 15785

236763

Filed: Dec. 30, 1963
Fee $ 3.00
At: 3:10 P.M.

Rosamond Maloney
 Clerk & Recorder
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Russell Brown
Address: Whitewater, Montana

Driller: Simpson Drilling Co
Address: Malta, Montana

Date of Notice of appropriation of ground water

Date well started: November 5
Date Completed: November 25, 1964

Type of well drilled: Drilled
Equipment used: Churn
(dug, driven, bored or Churn, drill, rotary or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>5 13 1b</td>
<td>-6</td>
<td>279</td>
<td>5/32 holes 279 330</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 215 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 260 feet

at 10 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Bore

Length of Test: 2 hours

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

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

Show exact depth of bottom.

Driller's License Number:

Driller's Signature:

This form to be prepared by driller, and three copies to befiled 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 Approprietor.
<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>7</td>
<td>Helen M. Moorecamp</td>
<td>G-34</td>
<td>236929</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

M. Hagen/Mavencamp

Whitewater

County of: Phillips
State of Montana

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

1. Name of Appropriator: M. Hagen/Mavencamp
   Address: Whitewater
   Town: State of Montana

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: 1932; 1932; 1932; 1951

4. The amount of groundwater claimed (in miner's inches or gallons per minute): #1 - main stock well - 5 gpm
   #2, 3, 4 - approx. 3 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:

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   pumps on #1, 2, 3, 4

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1932; 1932; 1932; 1951

8. The depth of water table: 3 feet on all 4 wells

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 hand dug; 20 feet deep; #1 - 6' x 10'; in width & length; 2, 3, 4; & A 6 to 10 feet deep;

10. The estimated amount of groundwater withdrawn each year: #1 - 5,000,000 gals
    #2, 3 & 4 - each 500,000 gals

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: M. Mavencamp

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 31, 1943
at 8:40 A.M.
See 2.00

R.W. McAuley
(Clerk x Recorder)
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<th>Type of Form</th>
<th>County File No.</th>
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<td>Anna L. Grissett</td>
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<td>2355-28</td>
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<td>24</td>
<td>Harold C. Meltony</td>
<td>GW4</td>
<td>235308</td>
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</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. Anna E. Bassett, of Turner
   (Name of Appropiator) (Address) (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. Domestic and stock 2. Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1. 1912, continuous 2. 1912 and is not used now.

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

   1. About 1 acre of garden and truck
   2. None

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

   1. Windmill and pump 2. Hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1. Summer of 1912

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, 30" diameter, 30 feet deep, wood casing 2. Hand dug, 30" diameter, 30 feet deep, wood casing

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

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

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

   Signature of Owner: Anna E. Bassett
   Date: August 19, 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)

Also known as: Jerry C. Maloney
County of: Phillips
State of: Montana

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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: **1889 Continuous**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **3 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: **Spring 1889**

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:

10. The estimated amount of groundwater withdrawn each year: **1,576,800**

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:** 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 27th day of Aug., A.D. 1963 at 11:35
o'clock A.M. and duly Recorded in book

By: ........................................
Fe: ........................................
Return: ........................................
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>File No.</th>
<th>Remarks</th>
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<tr>
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<td>C.W.</td>
<td>214847</td>
<td></td>
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<tr>
<td>3</td>
<td>Hathorn Ranch</td>
<td>1958</td>
<td>217433</td>
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<tr>
<td>11</td>
<td>Albert H. Floresco</td>
<td>C.W.4</td>
<td>234665</td>
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</tr>
<tr>
<td>13</td>
<td>Mrs. Dottie Florence</td>
<td>C.W.4</td>
<td>225607</td>
<td></td>
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<tr>
<td>13</td>
<td>John Florence</td>
<td>C.W.4</td>
<td>241525</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>J.C. Long &amp; Rita Long</td>
<td>C.W.4</td>
<td>234593</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>J.C. Long &amp; Rita Long</td>
<td>C.W.4</td>
<td>226864</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>J.C. Long &amp; Rita Long</td>
<td>C.W.4</td>
<td>226585</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Watkins Ranch
2. Stock
3. NE of NE 2-35-28
4. S evade 3-2-35-26
5. County of Phillips
6. State of Montana
7. Name of Appropriator
8. Address
9. Town
10. Have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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:

- 1956 continuous
- 1950 continuous

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

- 9 gallons per min.
- 2-3 gallons per min.

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

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

- 1- gas engine and pump
- 2- same & windmill

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

- 1- 1-5-58 - 1-7-58 - 2- Fall 1950

8. The depth of water table:

- 10 ft.
- 130 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, 6-in. steel casing, 47 ft. deep
- 2- drilled, 6 in. casing, steel, 150 ft. deep

10. The estimated amount of groundwater withdrawn each year:

- 3,000,000 gallons
- 100,000 gallons

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

- 0-2 top soil
- 2-6 clay and gravel
- 6-12 sandy clay
- 12-25 clay and gravel
- 25-40 sandy clay
- 40-46 water sand and gravel
- 46-67 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.

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.

29129
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Haukenson Ranch  
Address: Springmont

Driller: Carl Colton  
Address: Leon Creek

Date Started: Jan 5-58  
Date Completed: Jan 7-58

Location: Sec 8  
T. 35 N  
R. 28 W 4

Type of well: Drilled  
Equipment used: Churn drill

Water use: Domestic  
Municipal  
Stock  
Irrigation  
Industrial  
Drainage  
Other:  

Casing: Top: 0 ft to 47 ft  
Type: Steel  
Size: 6" OD

Casing:  
Type:  
Size:  

Casing:  
Type:  
Size:  

Perforated or Screened: Ft to Ft  
Type:  
Size:  

Type of screen or perforations:  
Static Water level, for non-flowing well: 10 ft above top  

Phut-in pressure, for flowing well:  

Pumping water level:  

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>
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<tbody>
<tr>
<td>0 - 2</td>
<td>Soft Soil</td>
</tr>
<tr>
<td>2 - 6</td>
<td>Clay, Gravel</td>
</tr>
<tr>
<td>6 - 12</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>12 - 25</td>
<td>Clay, Gravel</td>
</tr>
<tr>
<td>25 - 40</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>40 - 46</td>
<td>Water, Sandy, Gravel</td>
</tr>
<tr>
<td>46 - 47</td>
<td>Gravel, 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)

Flannagan

1. Albert D. Flannagan, 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, 1962, as follows:

2. The beneficial use on which the claim is based

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

4. The amount of groundwater claimed (in 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.
Mail # 15698

236665

Paid Dec 30, 1963
at 10:00 A.M.
Paid Dec 31

[Signature]

(Dated & Authentic)
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. Mrs. Bertha Flansaas of Loring, Montana
   - Name of Appropriate
   - Address
   - Town
   - State of Montana
   - County of Phillips

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: April 1915

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

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: Wells and Pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Summer 1915

8. The depth of water table: 37 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: RADIAL STARTING AT THE TOP 3.5 FT. OF 8 FT. DIAMETER STEEL PIPE SET IN CONCRETE, SUBMERGED 25 FT. OF 8 FT. ROUND MOLD GIVES DEPTH 15 FT. (DIAMETERS)

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

11. The log of formations encountered in the drilling of each well if available: 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: Bertha Flansaas
Date: July 15, 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 Appropriator.
State of Montana,
County of Phillips,
Filed for Record this 15th day of July, A.D. 1963, at 10 o'clock A.M., and duly recorded in book Page of .

Recorder of Deeds
By: 
Fee: 
Return:
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: John Plamen Address: Larlee, Montana

Driller: Simpson Drilling Co Address: Malta, Montana

Date of Notice of appropriation of ground water: July 22, 1960

Date Completed: Sept. 3, 1960

Type of Well: Drilled Equipment Used: Rotary

Water Use: 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>Size of Drilled Hole</th>
<th>Size and Depth of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>4</td>
<td>116</td>
<td>0</td>
<td>250</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 165 feet.

Shut-in Pressure for Flowing Well 175 feet at 12 gal. per minute.

Discharge in gal. per min. of flowing well 69.

How Tested: Bailed

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)

- Gravel packed 150 to 250
- Sealed with bentonite on top of gravel pack

Driller's License Number: Robert L. Simpson

Driller's Signature: [Signature]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. J.R. Lang and Rita Lang
(Name of Appropriator) of Malta,
(Address) (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

Stock Water.

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

1930

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

gas motor pump and windmill

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

1930

8. The depth of water table

23 feet below grade,

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, 60 feet, 4" casing

10. The estimated amount of groundwater withdrawn each year

enough to water 400 head of cattle

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

None

Signature of Owner

Date December 16, 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. J. L. Long and Rita Long of Malta
   (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, 1962, as follows:

2. The beneficial use on which the claim is based
   household use and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been continuous since 1933

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 None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1933

8. The depth of water table 29 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 concrete curv 600 feet deep
   357,000 gallons

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 None

Signature of Owner J. L. Long
Date December 16, 1963

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

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

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

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