**MONTANA BUREAU OF MINES AND GEOLOGY**

**WATER WELL LOG**

Owner: Charles H. Weiss  
Address: Loring, Montana

Driller: Carl Vale  
Address: Blackfoot, Montana

Date Started: 12/21/67  
Date Completed: 1/4/68

Location: Sec. 15 T. 34 R., 34 sec. Lot 8, Blk 8, Townsite of Loring

Type of well: Drilled  
Equipment used: Churn Drill

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

Casing: Surface ft. to 138 ft. Type: Blk. S & S Size: 6 2 OD

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

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

Type of screen or perforations:

Static Water level, for non-flowing well: 77 feet.

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

Pumping water level: 25 feet at 9 gal. per min.

How tested: Balanced

Length of test: 30 Min.

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

Gravel Pack

---

| (over) |
Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>68 Clay</td>
</tr>
<tr>
<td>68 - 85</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>85 - 87</td>
<td>Sand</td>
</tr>
<tr>
<td>87 - 109</td>
<td>Sandstone &amp; Clay</td>
</tr>
<tr>
<td>109 - 112</td>
<td>Sandstone</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)

**Declaration of Groundwater Appropriation**

**Harry F. McConnell**

**(Name of Appropriator)**

**Phillips**

**(Town)**

**County of Phillips**

**State of Montana**

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

1. **Address**

2. The beneficial use on which the claim is based

   - **Hotel and Bar and Domestic**

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

   - **1953 Continuous**

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

   - **7 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

   - **Electric for pump**

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

   - **About 1953**

8. The depth of water table

   - **Unknown**

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

   - **Casing: 8½ ft. deep, Laminated**

10. The estimated amount of groundwater withdrawn each year

    - **3,650,000 gallons**

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

    - **Not known**

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

    - **Not known**

**Signature of Owner**

**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.
Philoc Co.

Filed 12-31-63
at 10: 25 A.M

Fee # 2.00

R. V. Maloney

Clerk & Recorder.
LORING, MONT. - AFE 60-735

Well-drilled by Palm's Well Drilling of Saco, Mont. - Contract Drilling started - September 20, 1960
Drilling completed - September 22, 1960
Water level could not be lowered when pumped at 24 GPM for 3 hours.

- Top of casing 1' above ground
- 7' Ground Surface
- 3' Top Soil
- 7' Clay
- 6' Clay and gravel
- 34' Sandy yellow clay
- 19' Sandy blue clay
- Static water level - 60'
- 8' Gravel
- 6' Blue clay
- 3' Water bearing gravel

Engineer Water Service

ID-1200-342
<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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<tr>
<td>22</td>
<td>Arnold Helligie</td>
<td>GW4</td>
<td>236264</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Roger Scissorson</td>
<td>GW4</td>
<td>236788</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Marshall Waddy</td>
<td>GW4</td>
<td>236029</td>
<td></td>
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<tr>
<td>24</td>
<td>Ken der Kinakella</td>
<td>GW2</td>
<td>244648</td>
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<td>26</td>
<td>Whitewater School District</td>
<td>GW2</td>
<td>247722</td>
<td></td>
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<tr>
<td>24</td>
<td>John Sorensen</td>
<td>GW4</td>
<td>246572</td>
<td></td>
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<tr>
<td>26</td>
<td>Arnold Helligie</td>
<td>GW4</td>
<td>257540</td>
<td></td>
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<tr>
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<td>Arnold Helligie</td>
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<td>239268</td>
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<td>26</td>
<td>John Harlan</td>
<td>GW2</td>
<td>249343</td>
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<tr>
<td>26</td>
<td>C.N.R.R</td>
<td>GW4</td>
<td>233883</td>
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</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

Count...RECEIVED

STATE ENGINEER

1. Arnold HeUie of White Water
   (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 miner's inches or gallons per minute):

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

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

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

   8. The depth of water table:

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

   10. The estimated amount of groundwater withdrawn each year:

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

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

   Signature of Owner:

   Date:

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

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

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

Filed for Record this 32nd day of March 1063 at 11:30 a'clock A.M., and duly recorded in book No. ___.

By: ____________________________

Fee: $_.00

Recorded by: ____________________________
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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 formation 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: Roger Lomam
Date: Dec. 26-1962

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.
Tied: Dec. 30, 1963
At: 3:35 P.M.
Rec. @ 2, 66

Rosalind St. Meloney
Clerk & Recorder
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Name of Appropriate:** McVell, Trybbey  
**Address:** Whiteater  
**State of Montana**

**County of Philips**

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

<table>
<thead>
<tr>
<th>Name of Appropriate</th>
<th>Address</th>
<th>State of Montana</th>
<th>County of Philips</th>
</tr>
</thead>
<tbody>
<tr>
<td>McVell, Trybbey</td>
<td>Whiteater</td>
<td>State of Montana</td>
<td>County of Philips</td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - 1930 - 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20 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:
   - PRESSURE SYSTEM: Whiteater Townsite, Block 1, Lot 7

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:** Nov. 25, 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 November, A.D. 1853, at 11:59 A.M., and duly recorded in book No. 9, p. 22, and ordered to be entered on the public records of the said county.  

By:  
Recorded the  

tyth day of  

Retum
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Leo Kinkeada
Address: Whitewater, Montana

Driller: Simpson Drilling Co
Address: Malta, Montana

Date of Notice of appropriation of ground water
Date well started
Date Completed

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

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

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

Static Water Level for non-flowing well
Shut-in Pressure for Flowing Well
Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

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)

Block 7 lots 1 to 6
in Whitewater, Montana

Show exact depth of bottom.

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

Whitewater Charter 22, Montana (Session Laws, 1961)

Owner: Whitewater, Montana

Driller: Simpson Drilling Co

Address: Malta, Montana

Date of Notice of appropriation of ground water: June 29, 1968

Date well started: June 29, 1968

Date well completed: June 29, 1968

Type of well: Drill

Equipment used: Churn

Water use: Domestic

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

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested: 2 hours 20 minutes

Length of Test: 27 feet

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's License Number:

DWHer's Signature:

27 feet

Show exact depth of bottom.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for Appropriator.

44, 301
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. John Dodson of Whitewater
   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
      Domestic

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      August 1949

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

   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
      Aug 1949 - Aug 15, 1949

   8. The depth of water table
      50 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, such steel casing 50 ft.

10. The estimated amount of groundwater withdrawn each year
     Unknown

11. The log of formations encountered in the drilling of each well if available
     0-20 - 9 ft sand
     20-30 - 10 ft clay

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

Signature of Owner: John Dodson
Date: April 23, 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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Arnold Kollie  Address: Wilsonton, Montana

Driller: Simpson Drilling Co  Address: Malta, Montana

Date of Notice of appropriation of ground water: March 19, 1972

Date well started: Date Completed:

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

Water use: Domestic □  Municipal □  Stock □  Irrigation □
Industrial □  Drainage □  Other □  Garage

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, 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.

Estimated annual withdrawal: 5,000 gallons

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

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Arnold Helle of Whitewater

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 gal. man 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: March 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 Approprietor.
State of Montana,   
County of Phillips, 

Filed for Record this 22d day 
of March, D. 1972 at 11h 25 
O'clock A.M. and duly Recorded in book 

Prosecuting Recorder 
By: 
Fee: $2.00 

Returns: 

Misc. 15354

234268
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ark Hartley  Address: Whitecourt, Montana
Driller: Thompson Drilling Co.  Address: Malta, Montana
Date of Notice of appropriation of groundwater

Type of well: Drilled  Equipment used: Dug (drill, driven, bored or
other)
Water use: Domestic  Municipal  Stock  Irrigation  Industrial  Drainage  Other

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

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
<th>Date Notice of Appropriation</th>
<th>Date Well Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Dug (drill, driven, bored or other)</td>
<td>6/19/68</td>
<td>6/20/68</td>
<td></td>
</tr>
</tbody>
</table>

Indicate on the diagram:

- Static Water Level for non-flowing well...
- Shut-In Pressure for Flowing Well...
- Pumping Water Level...
- Discharge in gal. per min. of flowing well...
- How Tested...
- Length of Test...
- Remarks: (Gravel packing, cementing, packers, type of shut-off, 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)

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.

Original: 8/4/68
<table>
<thead>
<tr>
<th>Date</th>
<th>Name</th>
<th>Address</th>
<th>City</th>
<th>State</th>
<th>Amount</th>
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<td>9/2/1880</td>
<td>John Smith</td>
<td>123 Main St.</td>
<td>New York</td>
<td>NY</td>
<td>$1000</td>
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<td>10/1/1880</td>
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<td>456 Elm St.</td>
<td>Chicago</td>
<td>IL</td>
<td>$2000</td>
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<td>William Jones</td>
<td>789 Oak Ave</td>
<td>Los Angeles</td>
<td>CA</td>
<td>$3000</td>
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Declaration of Vested Groundwater Rights

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Great Northern Railway Company of 175 E. 4th St., St. Paul, Minnesota

(Name of Appropriator)

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: Railroad purposes.

2. The amount of groundwater claimed (in miner's inches or gallons per minute): No. 1 - 100 gpm; No. 2 - 100 gpm.

3. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Wells at Loring, Whitewater, Malta and Sac. (see reverse side for location of other three wells).

4. The log of formations encountered in the drilling of each well if available: No. 1 - 107 ft. deep - casing 106 ft. - Well No. 1.

5. The depth of water table: No. 2 - Static level = 69 ft.; Wall No. 1 - Static level = 67 ft.

6. The depth of water table: No. 2 - Static level = 69 ft.; Wall No. 1 - Static level = 67 ft.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Wall No. 1 - Completed in 1953.

8. The estimated amount of groundwater withdrawn each year: 300,000 gallons - Well No. 2; 100,000 gallons - Well No. 1.

9. 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: N/A.

GREAT NORTHERN RAILWAY COMPANY

Superintendent of the Butte Division

Date: 12/12/1962

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.
Location of Well at Whitewater

1. N/A
2. 30 0PM
3. June 6, 1936
4. 8 0PM
5. N/A
6. N/A
7. May 16, 1936 - June 6, 1936
8. N/A
9. 1st well - 25' deep
10. 100,000 gallons
11. N/A

Location of Well at Malta

1. N/A
2. 30 0PM
3. November 1936
4. 8 0PM
5. N/A
6. N/A
7. N/A
8. Static level - 25'
9. 6th drilled well - 65' deep
10. 500,000 gallons
11. N/A

Location of Well at Saco

1. N/A
2. 30 0PM
3. November 1936
4. 8 0PM
5. N/A
6. N/A
7. N/A
8. Static level - 25'
9. 6th drilled well - 65' deep
10. 500,000 gallons
11. N/A

Note: See attached log sheets.

(Additional information not provided in the image.)
<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>Dan Leopold</td>
<td>1941</td>
<td>230492</td>
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<tr>
<td>15</td>
<td>Otto Johnston, Johnstone</td>
<td>G34</td>
<td>234204</td>
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<td>21</td>
<td>Roger Simmons</td>
<td>G44</td>
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<td>Dan Leopold</td>
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<td>25</td>
<td>Marvin &amp; Thelma Lemasters</td>
<td>G44</td>
<td>236521</td>
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<td>Milton J. Olsen</td>
<td>G44, G45</td>
<td>236762</td>
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</tr>
<tr>
<td>32</td>
<td>Ella M. Olsen</td>
<td>G44</td>
<td>237201</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Junior Style Kirby</td>
<td>G44</td>
<td>236083</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>G. Marshall Style Kirby</td>
<td>G34</td>
<td>236284</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Delores M. Phillips</td>
<td>G44</td>
<td>236400</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Roger Simmons</td>
<td>G44</td>
<td>236725</td>
<td></td>
</tr>
</tbody>
</table>

**County:** Phillip, **Twp.: 35-0, Rge.: 22-8**
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner: Dan Depuyt
Address: Sec. 5

Driller: Carl Polm
Address: 1

Date Started: 12/15/61
Date Completed: 12/23/61

Location: Sec. 13 T.35 R.32 1/4 sec. NE 1/4

Type of well: DRILLED
Equipment used: CHURN

Water use: Stock [x] Irrigation [ ]

Industrial [ ] Drainage [ ] Other:

Casing: Top ft. to 15 ft. Type: 125 LD DIA Size: 4 1/2 E.D.

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: 110 feet.

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

Pumping water level: 125 feet at 5 gal. per min.

How tested: [ ]

Length of test: 1 3/4 hr.

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6</td>
<td>Clay</td>
</tr>
<tr>
<td>6 - 8</td>
<td>Sand</td>
</tr>
<tr>
<td>8 - 16</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>16 - 113</td>
<td>Shale</td>
</tr>
<tr>
<td>113 - 120</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>120 - 130</td>
<td>Sandstone - Somewhat water</td>
</tr>
<tr>
<td>130 - 155</td>
<td>Shale</td>
</tr>
<tr>
<td>155 - 156</td>
<td>Rock</td>
</tr>
<tr>
<td>156 - 160</td>
<td>Sandstone &amp; water</td>
</tr>
<tr>
<td>160 - 163</td>
<td>Rock</td>
</tr>
<tr>
<td>163 - 170</td>
<td>Sandstone &amp; water</td>
</tr>
</tbody>
</table>
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner: Otto Schlaeffer

Address: Montana

Date well started 1919

Type of well: Domestic

Equipment used: (Drill, rotary or other)

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

Industri □ Drainage □ Other □ Garden/Lawn □

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Stated Use</th>
<th>Rise and Fall of Water Level</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>FT (Feet)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FT (Feet)</td>
<td></td>
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<td></td>
<td>FT (Feet)</td>
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<td>FT (Feet)</td>
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<td>FT (Feet)</td>
<td></td>
</tr>
<tr>
<td></td>
<td>FT (Feet)</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: ft.

Pumping water level: ft.

*Measured from ground level.

Well developed by...

Power Pump: HP

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

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

Driller's Signature

Driller's Address

LICENSE NO.

County: Phillips

Show exact depth of bottom

494/62
STATE OF MONTANA
County of Phillips

Filed for Record this 16th day of
November, 1976 at 11:35

petition filed

By:

Fee: 1.00 Return: 9-30-76
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

Jan 10 1964

Roger Armonia

County of

State of

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

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

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

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

## Owner

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. S. Sprague</td>
<td>Loco</td>
</tr>
</tbody>
</table>

## Driller

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carl Palm</td>
<td>Loco</td>
</tr>
</tbody>
</table>

## Date Started

**18/5/61**

## Date Completed

**18/5/61**

## Location

**Sec. 23, T. 35 R 32 W S NE**

## Type of well

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

## Equipment used

<table>
<thead>
<tr>
<th>Type of equipment used</th>
<th>Drift, driven, bored, or drilled</th>
<th>Chuck drill, rotary, other</th>
</tr>
</thead>
</table>

## Water use

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

## Casing

<table>
<thead>
<tr>
<th>Casing</th>
<th>Top ft. to 19.5 ft.</th>
<th>Type</th>
<th>Inside Dia. or Outside Dia.</th>
<th>Size</th>
</tr>
</thead>
</table>

## Perforated or Screened

<table>
<thead>
<tr>
<th>Perforated or Screened</th>
<th>Top ft. to bottom ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

## Type of screen or perforations

- **Gravel packing**
- **Cementing**
- **Packers**
- **Type of shut-off**
- **Depth of shut-off**

## Static Water level, for non-flowing well

**16.5 feet**

## Shut-in pressure, for flowing well

<table>
<thead>
<tr>
<th>Pressure</th>
<th>lb/sq. in. on:</th>
<th>Date</th>
</tr>
</thead>
</table>

## Pumping water level

<table>
<thead>
<tr>
<th>Water level</th>
<th>feet at</th>
<th>gal. per min.</th>
</tr>
</thead>
</table>

## How tested

- **Entrainment test**

## Remarks

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

---

(over)
<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
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</thead>
<tbody>
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<td><strong>230491</strong></td>
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<tr>
<td><strong>State of Montana.</strong></td>
<td></td>
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</tr>
<tr>
<td><strong>County of Phillips.</strong></td>
<td></td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Filed for Record this <strong>22</strong> day of <strong>196</strong> A.D. 9:20 O'clock A.M. and duly Recorded in Book</td>
<td></td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>Page: <strong>ef</strong>.</td>
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<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Joseph Judge.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Fee:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Returns.</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Marvin and Harold Gemmichen
   County of Phillips
   of
   (Name of Appropriator) (Address) (Town)

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
   - Household
   - Stock Water
   - Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   - 1926
   - Continuous

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

5. If used for irrigation, give the acres and description of the lands to which water has been applied and name of the owner thereof
   - Garden and Lawn Irrigation
   - approx. 1/3 acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   - 1926

8. The depth of water table
   - 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   - Drilled (6" steel casing)
   - 170 feet deep

10. The estimated amount of groundwater withdrawn each year
    - 3,000,000

11. The log of formations encountered in the drilling of each well if available
    - 64 clay
    - 50' Gravel
    - 102 Blue Sandstone
    - 30' Sandstone

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: 12/26/63

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 this 26th day of December A.D. 1916 at 10 o'clock A.M. and duly recorded in book

[Signature]

Recorder

This 26th day of December A.D. 1916,

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. Milton J. Olsen, of Whitewater, Montana
   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: stock water

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

4. The amount of groundwater claimed: 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: only yard and garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1928

8. The depth of water table: 90 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 well, 6" casing, 170 ft.

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: unknown

Signature of Owner: Milton J. Olsen
Date: 12-30-1963

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

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

SE SE 1/4 SEC. 26 T. 35 N. 32 W. 9
Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.
Miss # 15784

235762

Filed: Dec 30, 1963
At: 3:09 p.m.
Tm & 2.00

Rosalind Maloney
Clerk & Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(i)

Ella M. Olsen
(Name of Appropriator)
Whitewater
(Address)
(Town)

County of Philips
State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1953, 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: continuous since 1928

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 land to which water has been applied and name of the owning firm: None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1928

8. The depth of water table: 90 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 well, 6" casing, 170 ft.

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: Ella M. Olsen
Date: December 31, 1963

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

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

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

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

Morrell
(Ownership)

Truby
(Address)

Whitewater
(Town)

County of Phillips
(State)

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

2. The beneficial use on which the claim is based—Stock and Drinking Water, Human Consumption

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

4. The amount of groundwater claimed (in miner’s inches or gallons per minute)—Gallons per minute

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

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

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

8. The depth of water table—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—

10. The estimated amount of groundwater withdrawn each year—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

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.
State of Montana, ss.
County of Phillips

Filed for Record, this 27th day of
September, A.D. 1988, in the office of
the Clerk of County Recorder, and duly Recorded in book
15, page 296083.

By,


duly

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

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

Address

Contractor (if any)

Address of Contractor

Date Started: Sept 17
Date Completed: Sept 23

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

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

3 gallons per minute

Signature of Owner

Date: Jan 30, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
Phillips Co.

Filed 12-31-63.
at 9:28 A.M.

Dec. 4 70-5

R.W. Maloney
(Compt. Recorder)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Date

1. Delpha Dallman, of Melva

County of Phillips

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: Domestic

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1922 -CONTINUOUS

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1922

8. The depth of water table: 18 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" casing - 72 ft.

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

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

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: Delpha Dallman

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.
Filed: Dec. 30, 1963
At: 3:47 P.M.
Fie # 12, 100

Rosalind Maloney
Clerk & Recorder
**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**OFFICE OF STATE ENGINEER**

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

1. **Roger Johnson**, of **Lace**
   (Address) **Phillips** (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, in **potable stock water supply for emergency**

3. Date or approximate date of earliest beneficial use and how continuous the use has been
   **about 1916**

4. The amount of groundwater claimed (in minor's inches or gallons per minute)
   **abundance water**

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   **about 1916**

8. The depth of water table
   **80 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
   **130 ft. deep**
   **drilled well**
   **with sand & casing**
   **stock pipe**

10. The estimated amount of groundwater withdrawn each year
    **very little in last few years**

11. The log of formations encountered in the drilling of each well is available
    **form 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
    **more on record**

**Signature of Owner: Roger Johnson**

**Date: Nov 24, 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. Name of Appropmtor: Roger Lemmon
   Address: State
   Town: Seattle
   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: home use, cattle water, garden, domestic use

3. Date or approximate date of earliest beneficial use: 1926

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

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: just our garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: drilled 1926

8. The depth of water table: 10 - 80 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 125 ft. deep drilled well with 6 in. casing 14 in. pipe

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: non 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: More on record in my knowledge

Signature of Owner: Roger Lemmon
Date: Dec 26, 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 Approprietor.
File. Dec. 30, 1963
at: 3:30 P.M.
Rec'd #2, 00

Rosalind Meloney
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>
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<td>Otto Keith Johnson</td>
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<td>23</td>
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<td>Roger Pemberton</td>
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<td>236687</td>
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<td>29</td>
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<td>32</td>
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<td>234252</td>
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<td>23</td>
<td>Lee E. Solheim</td>
<td>G.0.4</td>
<td>236619</td>
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</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: KEITH JOHNSON
Address: WATERTOWN, MONTANA

Driller: SIMPSON DRILLING CO
Address: MALTA, MONTANA

Date of Notice of appropriation of ground water: ____________

Date well started: ____________ Date Completed: ____________

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

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

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

<table>
<thead>
<tr>
<th>Layer</th>
<th>Depth (ft)</th>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sandy Brown Clay</td>
<td>3</td>
<td>Domestic</td>
</tr>
<tr>
<td>Gravel Clay &amp; Rocks</td>
<td>29</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Blue Shale</td>
<td>45</td>
<td>Stock</td>
</tr>
<tr>
<td>Rock Layer</td>
<td>460</td>
<td></td>
</tr>
<tr>
<td>Brown Clay</td>
<td>52</td>
<td></td>
</tr>
<tr>
<td>Sandy Gray Shale</td>
<td>80</td>
<td></td>
</tr>
<tr>
<td>Grey Sandstone (dry)</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>Rock Layer</td>
<td>87</td>
<td></td>
</tr>
<tr>
<td>Grey Shale</td>
<td>130</td>
<td></td>
</tr>
<tr>
<td>Tan Sandstone Some Water</td>
<td>147</td>
<td></td>
</tr>
<tr>
<td>Blue Shale</td>
<td>185</td>
<td></td>
</tr>
<tr>
<td>Grey Sandstone Water</td>
<td>266</td>
<td></td>
</tr>
</tbody>
</table>

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

Shut-in Pressure for Flowing Well: ____________

Pumping Water Level: ____________ feet

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

How Tested: ____________

Length of Test: ____________

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)

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 Missouri,
County of Phillips,

Filed for Record this day of Dec., A. D. 19__2:30
of the 20th day of M. and duly Recorded in book

of

Presented
order

For.

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

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

Otto Keith Johnson
(Name of Appropriator) of Whitewater
(Address) (Town) County of Phillips
(State) Phillips

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.
   Well for stock water and household use.
   Spring for stock water use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since 1951.
   Spring, continuous since 1951.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   Well, 15 gallons per minute
   Spring, 8 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; Spring, None.

6. The means of withdrawing such water from the ground and the location of each well or other works for withdrawal.
   Well, Pump.
   Spring, Natural.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   Well, 1951; Spring, None.

8. The depth of water table
   Well, 60 ft; Spring, None.

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: Drilled, 6" size 160 feet deep; Spring: None.

10. The estimated amount of groundwater withdrawn each year.
    Well: Unknown; Spring: Unknown.

11. The log of formations encountered in the drilling of each well if available.
    Well: Not available; Spring: None.

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

Signature of Owner: Otto Keith Johnson
Date: December 26, 1963.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
236601

Received: Dec 21, 1963
4:30 P.M.

J. D. S.

Received Mcavity
Dec 21, 1963
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Saco</th>
</tr>
</thead>
<tbody>
<tr>
<td>County of</td>
<td>Phillips</td>
</tr>
<tr>
<td>State of</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

1. **The beneficial use on which the claim is based.**

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

3. **The amount of groundwater claimed (in miner's inches or 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.**

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

7. **The depth of water table.**

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

9. **The estimated amount of groundwater withdrawn each year.**

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

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:**

**Date:** May 20th, 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 21st day of May A.D. 1943 at 9 A.M. and duly recorded in book 15380 by Wm. D. Kaufman

Return

(7-7-45)
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montanas Session Laws, 1961)

HENRY HAVLASEN
(Name of Appropriator)
of Seco, Montana
(State of)
(Town)

County of Phillips
(State of)

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

2. The beneficial use on which the claim is based

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

4. The amount of groundwater claimed (in miner's feet 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.