## WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>H. L. Sanford</td>
</tr>
<tr>
<td>Address</td>
<td>Rt. 2, Box 351</td>
</tr>
<tr>
<td>Driller</td>
<td>Mr. McGregor</td>
</tr>
<tr>
<td>Address</td>
<td>Deceased</td>
</tr>
<tr>
<td>Date Started</td>
<td>Approx. Aug. 1930</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Same No.</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 31, T. 6, R. 20, 4/3 sec., SW 1/4 NW 1/4</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Churn drill (Churn drill, rotary, other)</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic [ ]</td>
</tr>
<tr>
<td></td>
<td>Municipal [ ]</td>
</tr>
<tr>
<td></td>
<td>Stock [ ]</td>
</tr>
<tr>
<td></td>
<td>Irrigation [ ]</td>
</tr>
<tr>
<td></td>
<td>Industrial [ ]</td>
</tr>
<tr>
<td></td>
<td>Drainage [ ]</td>
</tr>
<tr>
<td></td>
<td>Other [ ]</td>
</tr>
<tr>
<td>Casing:</td>
<td>0 ft. to 32 ft.</td>
</tr>
<tr>
<td></td>
<td>Type: Galv.</td>
</tr>
<tr>
<td></td>
<td>Size: 2&quot;</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td></td>
<td>Type:</td>
</tr>
<tr>
<td></td>
<td>Size:</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>None [ ]</td>
</tr>
<tr>
<td></td>
<td>to ft.</td>
</tr>
<tr>
<td></td>
<td>Pl. to ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>None</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>Average from surface 12</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>lb./sq. in.</td>
</tr>
<tr>
<td></td>
<td>(date)</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>12 feet at 350 gal. per min.</td>
</tr>
<tr>
<td>How tested:</td>
<td>None</td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>

**Gravel & Rock**

(over)
Owner: R. L. & Marilyn Tillman
Address: Hamilton, Montana
Driller: Norman Bay
Address: Hamilton, Montana
Date Started: April 14, 1952
Date Completed: April 17, 1952
Location: Sec. 31, T. 6 N., R. 20 W., ¼ sec. SW¼

**Type of well**: Drilled  
**Equipment used**: Churn Drill  
**Water use**: Domestic [x]  Municipal [ ]  Stock [ ]  Irrigation [x]

**Casing**:  
- ft. to...52 ft.  
Type: Black iron  Size: 4 inch

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

**Static Water level, for non-flowing well**: 17 feet on February 8

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

**Pumping water level**: 6 ft. at 60 (sixty) gal. per min

**How tested**: compressor

**Length of test**: 2 hours

**Remarks**: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>5</td>
<td>Surface soil</td>
</tr>
<tr>
<td></td>
<td>5</td>
<td>16</td>
<td>Gravel and rocks</td>
</tr>
<tr>
<td></td>
<td>16</td>
<td>29</td>
<td>Sandy clay</td>
</tr>
<tr>
<td></td>
<td>29</td>
<td>37</td>
<td>Cemented gravel</td>
</tr>
<tr>
<td></td>
<td>37</td>
<td>45</td>
<td>Fine sand and clay</td>
</tr>
<tr>
<td></td>
<td>45</td>
<td>51</td>
<td>Coarse gravel</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. **Robert J. Titeca**
   - Name of Appropriator
   - Address
   - Town
   - County of Ravalli, 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. 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.

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 references to book and page of any county record, Survey No., Index No., etc.

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 School of Mines and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 2nd
day of Dec, 19__ at 8:09
a.m.  

F. E. Mann
COUNTY RECORDER

By: Dudley Keeth
RECEIVED
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recalia January</td>
<td></td>
<td></td>
</tr>
<tr>
<td>County of</td>
<td>State of</td>
<td></td>
</tr>
<tr>
<td>Flathead</td>
<td>Missoula</td>
<td></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:

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1950

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

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: 50 acres, N/A

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

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

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: N/A

10. The estimated amount of groundwater withdrawn each year: 1500 gallons

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

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: N/A

Signature of Owner: Recalia January
Date: 12/18/1963

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 Appropriator ____________________________ Address ____________________________ Town ____________
County of ____________________________ State of Montana

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) None applicable

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.
I certify that I received and filed this instrument on this 16th day of August, 1965, at 10:25 o'clock A.M.

[Signature]

COUNTY Recorder

Fee $2.00

Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Henry F. or Orpha E. Tracee, of R. #2, Box 270, Hamilton.  
   (Name of Appropriator)  
   (Address)  
   (Town)

County of Ravalli, 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: House use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: March 2, 1895.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 165 gal. per minute.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric Pump. Location about 12 ft. from SE corner of house.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1895.

8. The depth of water table: 40 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: N/A.

10. The estimated amount of groundwater withdrawn each year: 1,465,400.

11. The log of formations encountered in the drilling of each well if available: About 31, black soil, 32, gravel, 61, sand, 61, peat, gravel.

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

Signature of Owner: Henry F. Tracee
Date: 7/23/63

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 School of Mines and quadruplicate for the Appropriate.
I certify that I received and filed this instrument on this 21st day of July, 1963, at 1:40 o'clock P.M.

[Signature]

F. W. Moore
County Recorder

By

Deputy

Fee $2.00
Declaration of Vested Groundwater Rights

State of Montana
Administrator of Groundwater Code
Office of State Engineer

Ravalli County

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

1. L. J. Worth
   (Name of Appropriator)
   of Lot 2, Block 366
   Hamilton (Address) (Town)

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

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; not available.

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

Signature of Owner:

Date: 1/27/63

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 School of Mines and Quadruplicate for the Appropriator.

27/39
I certify that I received and filed this instrument on this 30th day of Dec., 1963, at 9:07 A.M.
F. G. Moore

[Signature]
STATE OF MONTANA
Ravalli County
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Tony Walet Address: Hamilton
Driller: Bill Anderson Address: 110010 Hamilton

Date of Notice of Appropriation of Groundwater

Date well started 9.30.62 Date Completed 12.2.62

Type of well Drilled Equipment Used Churn Drill
(dug, driven, bored or drilled) (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>Date of Notice of Appropriation of Groundwater</th>
<th>Date Well Started</th>
<th>Date Completed</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tony Walet</td>
<td>Hamilton</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bill Anderson</td>
<td>110010 Hamilton</td>
</tr>
</tbody>
</table>

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

| 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>Static Water Level for non-flowing Well</th>
<th>Shut-in Pressure for Flowing Well</th>
<th>Pumping Water Level</th>
<th>Discharge in gal., per min. of flowing well</th>
<th>How Tested</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 feet</td>
<td></td>
<td>15 feet</td>
<td>15 gal. per minute</td>
<td>Length of Test</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>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)</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Driller's License Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bill Anderson</td>
</tr>
</tbody>
</table>

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

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

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

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

1. Margaret L. White
   of Rt. 2 Box 330 Hamilton
   County of Ravalli, 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 and lawn and garden

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

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  
   Law and garden - about 1 acre

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

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

8. The depth of water table  
   Approx. 35 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 well, 30 feet deep

10. The estimated amount of groundwater withdrawn each year  
    40,000 gallons

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

12. Such other information 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  
Margaret L. White
Date: June 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 School of Mines and Quadruplicate for the Appropriator.
Margaret L. White

I certify that I received and filed this instrument on this 21
day of June 1963 at 11:10
A.M.

F. J. Moore
COUNTY RECORDER

Fee $2.00 Paid
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Kenneth E. Palin, 701 White of Route 1, Plains, Hamilton
   (Name of Appropriator)
   (Address) (Town)

   County of Ravalli, 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: 31/12/1963

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.
I certify that I received and filed this instrument on this 31st day of Dec., 1937, at 10:25 a.m.

F. Y. Rao
County Recorder

By: A. L. Keith
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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

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

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

Owner: Henry Williams
Address: 218 S. Cooper Lane
        Hamilton, Montana

Date well started: Sept. 7, 1970
completed: Sept. 7, 1970

Type of well: Drilled
Equipment used: Churn Drill

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

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

ESTIMATED ANNUAL WITHDRAWAL: unknown

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>17 lbs, 0 per ft.</td>
<td>36</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3/16 x 5</td>
</tr>
</tbody>
</table>

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

Driller’s Signature: Charles W. A. Ravalli Drilling Co.
Driller’s Address: Box 27, Victor, Montana 59875.

LICENSE NO: 200
I certify that I received and filed this instrument on this 8th day of September, 1970, at 3:40 p.m.

S. H. Moore
COUNTY RECORDER

By: E. E. 2.00 DEPUTY
## Groundwater Appropriation by Means of Well

Developed after January 1, 1962

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

**Henry Williams**

**Address**

218 S. Cooper Lane, Hamilton, Montana

**Date well started**

Sept. 7, 1970

**Date well completed**

Sept. 7, 1970

**Type of well**

Drilled (Dug, driven, bored or drilled)

**Equipment used**

Churn Drill (Churn drill, rotary or other)

**Water Use**

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

*Describe [ ]

**USE**

If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. lot, block and addition).

### Estimated Annual Withdrawal

**Estimated** 20,000 gallons

<table>
<thead>
<tr>
<th>Depth of Well</th>
<th>Est. Width of Casings</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>0°</td>
<td>0°</td>
<td>0</td>
<td>36</td>
<td>3/16x6</td>
</tr>
</tbody>
</table>

Static water level 10 ft.

Pumping water level 18 ft.

at 20 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by **Rolling** for 54 hours. Pumping power 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. Each small square represents 40 acres.

Driller’s Signature: **Charles Weele, Ravalli Drilling Co.**

Driller’s Address: Box 27, Victor, Montana 59875

LICENSE NO. 200
Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961

Ray E. & Margaret M. Willey, of Rt. 2, Hamilton

County of Ravalli, 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, irrigation & stock

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

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric pump & hp. Well on above described ground

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1947

8. The depth of water table: 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4 inch casing, 12 feet deep, Chuck drill

10. The estimated amount of groundwater withdrawn each year: 60,000 gallons a year

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: unknown

Signature of Owner: Ray E. Willey

Date December 13, 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.
I certify that I received and filed this instrument on the 16th day of December 1924, 2:10 p.m.

F. G. Moore
COUNTY RECORDER

[Signature]

Fee $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

ELDON D. WILKEY of 101 Hope Ave, Hamilton
(Address)

County of Ravalli
(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 for House

3. Date or approximate date of earliest beneficial use; and how continuous the use has been January through Dec 31

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 50 gal

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

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

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

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 12-31-65

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.
I certify that I received and filed this instrument on this 31st day of December, 1945, at 10:15 A.M. 

F. S. Moon
County Recorder

By: Fee $2.00

Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Charles O. Williams
Address: Hamilton, Mont.

Driller: Bill Anderson
Address: Hamilton, Mont.

Date of Notice of Appropriation of Groundwater: 5/26/65
Date Well Started: 5/26/65
Date Completed: 6/23/65

Type of well: Drilled
Equipment Used: Churn drill

Water Use: Domestic (x) Municipal ( ) Stock (x) Irrigation ( )
        Industrial ( ) Drainage ( ) Other (x)

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

<table>
<thead>
<tr>
<th>Strata</th>
<th>Show Depth</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Clay</td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td>Gravel</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>Rock</td>
<td>4</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 1.5 feet.
Shut-in Pressure for Flowing Well: 18 feet.
Pumping Water Level: 15 feet at 15 gal. per minute.
Discharge in gal., per min. of flowing well: 25 gpm.
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)

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

 MSD, 4th Sec. 31. T. 6N R. 20W
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: 33
Driller's Signature: Bill Anderson

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
I certify that I received and filed this instrument on the 25th day of Feb., 1865, at 11:00 A.M.

F. Q. Moore

[Signature]

County 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. Name or legal title of Mt., Box 264, Hamilton,
   (Name of Appropriator) (Address) (Town)

   County 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: house, yard and chickens.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935 - continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10,000 per year.

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: 150 ft from house.

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

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:

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:

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: 12-9-7-1963

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)

Ralph or Louise Winkler
(Name of Appropriator)

Rt.2, box 284
(Address)

Hamilton
(Town)

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

house, yard and chickens

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

1935-continuous

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

10,000 per year

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

irrigation

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

30 ft deep-drilled, 1 ft in. suction

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

1835

7. The depth of water table

30 feet

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

not available

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

none

Signature of Owner

Date

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.
I certify that I received and filed this instrument on the 8th day of November, 1923, at 2:15 o'clock P.M.

F. A. Moore
Deputy Recorder
**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.

**Originally Drilled for Vic Zimmerman**

**Owner** Michael E. McKee

**Address** Hamilton, Montana

**Zimmerman Lane**

**Date well started** May 20, 1968

**GW 1**

**Date well completed** May 21, 1968

**Type of well** Drilled

**Equipment used** Churn Drill

**Water Use** Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

**Industrial ☐ Drainage ☐ Other ☐* Garden/Lawn ☐

*Describe ____________

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

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>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&quot;x10</td>
<td>6&quot;x10</td>
<td>31'11&quot; above</td>
<td>44'16&quot;</td>
<td>none</td>
</tr>
</tbody>
</table>

Static water level ___________ ft.*
Pumping water level ___________ ft.*

at __________ gallons per minute, measured __________ minutes after pumping began.

*Measured from ground level.

Well developed by compressor for __________ hours.

Power: __________

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

CAMP WELL DRILLING & SUPPLY

Driller's Address 1222 S., 14th, W., Missoula, Montana 59801

**LICENSE NO. 7**

Show exact depth of bottom

50.699
I hereby certify that I received and filed the
Instrument on the 23rd
day of January, 1972, at 9:15 a.m.

J. D. Moore
County Recorder

Fee 2.00
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Rudy B. Kratki
Address: Box 2374, Ravalli County

Driller: Gerald B. Guigley
Address: Hamilton

Date of Notice of Appropriation of Groundwater

Date well started: May 12, 1961
Date Completed: May 21, 1961

Type of well: Drilled
Equipment Used: 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.

Static Water Level for non-flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level: 12/2 feet at approx. 34-30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Bailer

Length of Test: 4 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

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.

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

Send the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines - duplicate for the Appropriator.

Form No. 612 R 10-11-61

Ravalli County

STATE OF MONTANA
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Rudy B. Kratki
Address: Box 2374, Ravalli County

Driller: Gerald B. Guigley
Address: Hamilton

Date of Notice of Appropriation of Groundwater

Date well started: May 12, 1961
Date Completed: May 21, 1961

Type of well: Drilled
Equipment Used: 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.

Static Water Level for non-flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level: 12/2 feet at approx. 34-30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Bailer

Length of Test: 4 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

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.

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

Send the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines - duplicate for the Appropriator.

Form No. 612 R 10-11-61

Ravalli County
STATE WATER CONSTRUCTION BOARD

State Water Conservation Board

Duplicate

File No. 5222

JAN 5 1963

Ravalli County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: Rudy B. Kratch
Address: Box 339, Ravalli County

Driller: Gerald Quiley
Address: Hamilton

Date of Notice of Appropriation of Groundwater

Date well started May 12, 1961
Date completed May 21, 1961

Type of well (drilled, 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>Size of Bored Hole</th>
<th>Size and Weight of Custody</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>65</td>
<td>18.07' 4 D. Blackwell</td>
<td>0</td>
<td>100</td>
<td>None</td>
</tr>
</tbody>
</table>

Legal Description of Property

A 1.01 acre parcel of land located in the Southeast Quarter of the Northeast Quarter, Section 32, Township 6 North, Range 20 West, M.P.M., Ravalli County, Montana, described as follows: Beginning at a point in the West line of said Southeast Quarter of the Northeast Quarter and South 0°0' East 355.72 feet from highway Station 91471.01; thence South 56°37' East 208.71 feet; thence South 0°0' East 250 feet; thence North 56°37' East 208.71 feet, to the West line of said Southeast Quarter of the Northeast Quarter; thence North 0°0' East 250 feet along said West line to the point of beginning.

Plot size 208.7 x 250.8'

Original to the County Clerk and Recorder, duplicate to the State Engineer, Triplicate to the School of Mines and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 31st day of December, 1929 at 11:02 o'clock.

[Signature]

COUNTY RECORDER

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

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

STATE ENGINEER

1. Mr. and Mrs. Robert Hornung, of Route 3, Box 244, Hamilton
   (Name of Appropriator)

   County of Ravalli, 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 and irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: August 15, 1946, and continues since this date

   4. The amount of groundwater obtained (in miner's inches or gallons per minute): 50.00 gallons per hour

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: garden and lawn, etc., 0.25 acres

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: August 8, 1946 started, August 10, 1946 completed

   8. The depth of water table: 14 feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4 inch steel casing

   10. The estimated amount of groundwater withdrawn each year: not applicable

   11. The log of formations encountered in the drilling of each well if available: gravel, hard sand, first water at 18 feet, but not enough. Second table at 32-34 feet

   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 to my knowledge

   Signature of Owner: Robert Hornung
   Date: Sept 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 School of Mines and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 24th.
day of Sept., 19.63, at 8:35
e'clock A.M.

Z. T. Moore
COUNTY RECORDER

Fe $2.00

DEPUTY
Notice of Completion of Groundwater Appropriation
Without Well
Developed After January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater...since about 1891
Owner...Alfred H. Soehren
Address...Hamilton, Montana
Contractor (if any)...none
Address of Contractor...none
Date Started...1891 Date Completed...still using

1) Describe means of obtaining groundwater (as by sub-irrigation, 2 free-flowing springs, developed spring, drains, etc.)...Spring #1 and spring #2 which flow together, #1 flowing into #2.

2) Means of withdrawing water (gravity, pump, canal, etc.)...used since about 1891 for stock water

3) Depth of water table...springs flow to surface

5) Amount of groundwater claimed (in miner's inches, or gallons per minute)...50 miner's inches

6) If used for irrigation, give number of acres and description of land...not used for irrigation, but irrigation planned, and use for a fish pond planned

7) Estimate amount of water used each year...200,000 gallons per year

Signature of Owner...Alfred H. Soehren
Date...October 22, 1964

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.
Notice of Completion of Groundwater Appropriation by Means of Well Developed After January 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: JIM WARD

Address:

Driller: KEN WILLIAMS

Address: 1558 S. 6th W.

MISSOULA, MONT.

Date of Notice of appropriation of groundwater: Nov. 2, 67

Date well started: Nov. 2, 67

Date completed: Nov. 8, 67

Type of well: Drilled

Equipment used: Drill

Water use: Domestic X Municipal O Stock O Irrigation O Other O

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.

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, tissue copy to be retained by driller.

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

Driller’s Signature
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Charles S. Block........... of Butte, Montana...........
   (Name of Appropriator)  (Address)  (Town)

   County of Ravalli, 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. Irrigation and Stock Watering.

   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 with-
      drawing 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. Charles S. Block................................
   Date..................................

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is
located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines
and Quadruplicate for the Appropriator.

3744
I certify that I received and filed this instrument on this 3/10/34 day of office, 1934, at 3:30 o'clock, M.

J. B. Merrell  
COUNTY RECORDER

by: Sherley Keith  
Deputy
**MONTANA BUREAU OF MINES AND GEOLOGY**

**STATE ENGINEER**

**WATER WELL LOG**

Owner: Carl W. Saunders & Lillian I. Saunders
Driller: Norman C. Ray

Location: Sec. 33, T. 6N., R. 20W. 1/4 sec. NWSE, south of road

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>6&quot; ft. to</th>
<th>55 ft.</th>
<th>Type: iron pipe</th>
<th>Size: 6 inch</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Type of screen or perforations: no perforations

Static Water level, for non-flowing well: 24 feet

Shut-in pressure, for flowing well: 100 lb./sq. in. on: (date)

Pumping water level: 24 feet at 100 gal. per min.

How tested: B.A.F.R.

Length of test: C.M.E. B.C.M.R.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 19</td>
<td>Boulders &amp; Gravel</td>
</tr>
<tr>
<td>19 - 25</td>
<td>Fine Sand</td>
</tr>
<tr>
<td>25 - 33</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>33 - 58</td>
<td>Yellow Clay, No Water</td>
</tr>
<tr>
<td>58 - 59</td>
<td>Course Gravel &amp; Water</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Pete Leonardo**
   (Name of Appropriator)
   
   County of Ravalli, 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: 
   - Agriculture
   - Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 
   - April 1, 1945
   - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 
   - 100,000 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been, or may be, applied: 
   - 100 acres
   - Missouri Irrigation District

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 
   - April 1, 1945

8. The depth of water table: 
   - 4 to 6 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: 
   - Not applicable

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 applicable

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: Pete Leonardo
Date: Aug 22, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriate.
Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1921
Owner: James Kafker
Address: 626, Box 225
Contractor (if any): NONE
Address of Contractor:
Date Started: Date Completed:

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

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. IT BEEN IN USE FOR 42 YEARS. IT CAN WATER 100 HEAD OF COWS

Signature of Owner: James Kafker
Date: 12-19-63

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 20th day of Dec., 1963, at 3:42 o'clock A.M.

[Signature]
Deputy Recorder

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

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

Name of Appropriator: JAMES KAVER
Address: BOX 725 HAMILTON
Town: KAVALLI
County: KAVALLI
State of: MONT.

County of KAVALLI 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 WATERING & LIVESTOCK

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

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 PER MIN.

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 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 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: 19,000,000

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: NONE

Signature of Owner:

Date: 12-24-63

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the 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 Appropriator: ALFRED W. COOPER
   (Address): 106 H. COOPER LANE
   (Town): HAMILTON

County of: PAVALLU
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>2. The beneficial use on which the claim is based:</th>
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<tbody>
<tr>
<td></td>
<td>ANGELINA</td>
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<table>
<thead>
<tr>
<th></th>
<th>3. Date or approximate date of earliest beneficial use:</th>
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<tr>
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<td>1957.</td>
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<th></th>
<th>4. The amount of groundwater claimed (in miner's inches or gallons per minute):</th>
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<tbody>
<tr>
<td></td>
<td>20 GPM.</td>
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<th>5. If used for irrigation:</th>
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<th>6. The depth of water table:</th>
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<tbody>
<tr>
<td></td>
<td>77 ft.</td>
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<tr>
<th></th>
<th>9. So far as may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:</th>
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<tr>
<td></td>
<td>30 ft. 5th staging.</td>
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<th>10. The estimated amount of groundwater withdrawn each year:</th>
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<tr>
<td></td>
<td>72,000.</td>
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<th></th>
<th>11. The log of formations encountered in the drilling of each well:</th>
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<tbody>
<tr>
<td></td>
<td>Available.</td>
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<th>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:</th>
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</tbody>
</table>

Signature of [Name]
Date: 12/31/62

Three copies to be filed by the owner with the County Clerk and Recorder of the County in which the well is located.
Please answer all questions. If not applicable, so state; otherwise the form will be returned.
Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
I certify that I received and filed this instrument on this 31st day of Dec., 1963, at 5:00 o'clock M.

F. H. Moore
COUNTY RECORDER

By
Ahuely Keck, DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator: Paul Gressmeier
   Address: 305 N. Cooper Lane
   Town: Hamilton
   County of Ravalli
   State of Montana

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

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

4. The amount of groundwater claimed: (in million inches or gallons per minute) 20 GPM.

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.

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

8. The depth of water table: 301.

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: 20 ft. casing.

10. The estimated amount of groundwater withdrawn each year: 66,000 gal.

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

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

 three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned. Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate to the Appropriator.
I certify that I received and filed this instrument on this ______ day of New ______ 19____ at ______ o'clock ______ a.m. or p.m.

__________________________
F. G. Moore
COUNTY RECORDER

By: ________________________
       Shirley Smith
       DEPUTY
State of Montana
Administrator of Groundwater Code
Office of State Engineer

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

Ravalli County

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

1. Clyde A. Wood
   (Name of Appropriator)
   Corvallis, Montana
   (Address)
   (Town)

2. The beneficial use on which the claim is based
   Irrigation of thirty-six acres

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since then
   1960 and during the irrigation season each year since then

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 38 miner's inches

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
   3.6 acres of section 31, T. 2N., R. 20 W., Owner - Clyde A. Wood

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
   Dug well cased with twenty-four inch concrete
   Fifteen horse power electric motor and four inch pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   Construction of this well was commenced and completed in the spring of 1960.

8. The depth of water table
   Six 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.
   Twenty-four inch concrete cased well
   Twelve feet deep

10. The estimated amount of groundwater withdrawn each year
    Seventy-two acre-feet

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.
    Not recorded

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 18th day of Dec., 1963, at 3:40 P.M.

F. W. Moore
COUNTY RECORDER

By: ____________________________
DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: C. E. Knight
Driller: Bill Anderson
Address: 1071 Blvd., Hamilton

Date of Notice of Appropriation of Groundwater: Oct. 20, 1962
Date well started: Oct. 20, 1962
Date completed: Oct. 21, 1962

Type of well: Drilled
Equipment Used: Churn drill

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>Stratum</th>
<th>Size and Weight of Cutting</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>4</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 10 feet
Shut-in Pressure for Flowing Well: 14 feet
Pumping Water Level: 14 feet at 15 gal. per minute.
Discharge in gal., per min. of flowing well: 20 gal.
How Tested: Pumping
Length of Test: 8 hrs.

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)

Driller's License Number: 356
Driller's 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 the Appropriator.
I certify that I received and filed this instrument on the 20th day of August, 1963, at 10:15 A.M.

F. L. Moore
COUNTY RECORDER
By
DEPUTY

Fee $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. James York and Hedine York, of Corvallis, ...
   (Name of Appropriator) (Address) (Town)

   County of Ravalli, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1967, as follows:

2. The beneficial use on which the claim is based is for irrigation of surrounding property.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1500 gallons per hour.

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: Lot 3, Block 8, Corvallis, Montana. James and Hedine York, owners.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1935.

8. The depth of water table: 10 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: 10,000 gallons.

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

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

Signature of Owner: Name
Date: Dec. 30, 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 School of Mines and Quadruplicate for the Appropriator.