Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner:
Ronald J. Little
Address: &ullamore, Mont.

Driller: Glenn Camp 765 acres
Address: Missoula, Montana

Date of Notice of appropriation of groundwater:
4/13/66
Date completed:
4/16/66

Type of well Drilled:
Churn drill
Equipment used:
(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.

Static Water Level for non-flowing well
75 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level
75 feet
at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Test pump

Length of Test: 1 hour

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

Static Water Level for non-flowing well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested: Test pump

Length of Test: 1 hour

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

(Continue on reverse side)

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

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

Declaration of Vested Groundwater Rights
Under Chapter 287, Montana Session Laws, 1963

(Name of Appropriator) (Address) (Town)
County of (Name Appraiser) 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 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

Eлизabeth H. Neal
(Name of Appropriator)

of N W 4 - Fort Riverside, Missoula, Mont.
(Address)

County of Missoula
(State of Montana)

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

1. Point of appropriation

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

Owner: Adam Miller
Address: R.D. 4, Missoula, Montana
Driller: Allen Clark
Address: 705 Lamar, Missoula, Montana

Date of Notice of Appropriation of Groundwater: 5/9/63
Date Completed: 5/16/63

Type of well: Drilled
Equipment Used: Churn drill

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

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 water rises in the well.

<table>
<thead>
<tr>
<th>Depth</th>
<th>Strata Met With in Drilling</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>Soil</td>
</tr>
<tr>
<td>5&quot;-10&quot;</td>
<td>Clay, sand</td>
</tr>
<tr>
<td>10&quot;-15&quot;</td>
<td>Shale, sand</td>
</tr>
<tr>
<td>15&quot;-20&quot;</td>
<td>Gravel, sand</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 79.5 ft from S.L.
Shut-in Pressure for flowing well: 15 gal. per minute.
Discharge in gal. per min. of flowing well: 15 gal. per minute.

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)

License No. 7
Driller's License Number

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

4552
I received and filed this instrument for record on the 20th day of July, 1966, at 2:30 o'clock, R.M., permanent time, of Minnesota County, State of Minnesota.

Witness my hand.

MARTIN J. BEITNER, County Recorder
Deputy

(Handwritten 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. Earl L. & Lillie E. Miles
   (Name of Appropriator)
   of West Riverside
   (Address) Bldg 17
   (Town) Benzie
   County of Missoula
   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, yard, and garden

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

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for with-
      drawal of groundwater ____________________________
      Summer 1937

   8. The depth of water table ____________________________
      ____________ feet
      ____________ feet

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

   10. The estimated amount of groundwater withdrawn each year ________
        don't know

   11. The log of formations encountered in the drilling of each well if available ____________________________
        don't know who

   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:
        ____________ book
        ____________ page
        ____________ county
        ____________ clerk
        ____________ Montana

   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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

John Seagle
Address

County of Missoula
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, and whether for domestic or irrigation purposes.

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) Domestic.

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: John Seagle
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 Approprietor.
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: M. Niall
   (Name of Appropriator)
   Address: Milltown
   (Address)
   Town: Lolo
   (Town)

   County of Lolo
   State of Montana

   N
   W
   E
   S

   Sec. T R

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

   Tract in Sec. 10, Twp. 13 N, R. 16 W

2. The beneficial use on which the claim is based:
   - household
   - lawn and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since that date:
   1952 - continuously since that date

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 gals. 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 in a pump house near the main dwelling

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

8. The depth of water table:
   50 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   - Drilled, 6 in. casing, 100 feet deep

10. The estimated amount of groundwater withdrawn each year:
    15,768,000 gallons

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

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

Signature of Owner:

Date: 12-31-63

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

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

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

20441
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>Louis A. Olson</td>
<td>Box 74</td>
<td>Milltown</td>
</tr>
</tbody>
</table>

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

1. Name of Appropriator: Louis A. Olson
2. Address: Box 74
3. Town: Milltown

### Groundwater Claims

<table>
<thead>
<tr>
<th>Section</th>
<th>North</th>
<th>West</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>13N</td>
<td>18W</td>
<td>35 ft.</td>
</tr>
</tbody>
</table>

- **Section**: 16
- **T13N R18W**
- **Depth**: 35 feet

#### Details

1. **Beneficial Use**: For household purposes
2. **Date of Earliest Beneficial Use**: January 1, 1948
3. **Amount of Groundwater Claimed**: Unknown

#### Irrigation

- **Irrigation Use**: If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
- **Acreage**: Not applicable

#### Means of Withdrawing Water

- **Means of Withdrawing Water**: Electric pump drawing water from well on Lots 5 & 6, Block 7, W. Riverside Addition 1, Missoula County

#### Documentation

- **Date of Commencement and Completion**: Construction date unknown
- **Depth of Water Table**: 35 feet
- **General Specifications**: Depth of well 90 feet, 6 inch casing, electric pump drawing water from well

#### Other Information

- **Estimated Amount of Groundwater Withdrawn Each Year**: For domestic use
- **Log of Formations Encountered**: Unknown
- **Reference to Book and Page of Any County Record**: Unknown

**Signature of Owner**: Louis A. Olson

**Date**: 12-31-63

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

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

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

I received and filed this instrument for record on the 31st Day of May, 1963, at 1:57 o'clock, 6:00 a.m., permanent file, Missoula County, State of Montana.
Witness 6:30 a.m.

By: Ethel Carroll       Deputy
County Recorder

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, 1981)

1. William Olson
   Address: 908 Longley
   Town: Missoula
   County: Missoula
   State: 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 works for withdrawal of groundwater:
   
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   
8. The depth of water table:
   
9. So far as it may be available, the type, size and depth of each well or other 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: William Olson
Date: Sept. 13, 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.
I received and filed this statement No.
record on the 21st day of Sept., 1912,
at 3:37 p.m., and entered into the
official records of Missoula County, State of Montana.
Witness my hand.

MARTIN W. REINER, County Recorder

By NELSON CRENN, 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. William E. & Helen J. sees
   (Name of Appropriator)
   of 98 W. Riverside, Missoula, Mont
   (Address)
   (Town)
   County of Missoula
   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 use for 2 houses

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Domestic use for 2 houses

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
   Montgomery, Wells 4 X 2

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 57-ft. from G.L. = 20' of water

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' I.D., 57-ft. from G.L.

10. The estimated amount of groundwater withdrawn each year Domestic for 2 houses

11. The log of formations encountered in the drilling of each well if available. 0 to 7' Clay, 7' to 44' gravel, 44' to 81' clay & boulders, 81' to 91' clay, 91' to 101' sand

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

Signature of Owner

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 received and filed this instrument for record on the 7th day of May, 1868 at 9 o'clock A.M., pursuant to law at Missoula County, State of Montana.

Witness my hand:

MARTIN S. SCHENCK, County Recorder

By: Ethel James, Deputy

FEnv 2305
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Joseph R. and Edna M. Peltier, as joint tenants with right of survivorship of Route 4, Missoula, Montana
(Name of Appropriator) (Address) (Town)

County of Missoula 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: domestic household and lawn.

2. Date or approximate date of earliest beneficial use: July 1, 1946.

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

4. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: wall and pump located on Lot 2.

5. The depth of water table: 55 feet.

6. The estimated amount of groundwater withdrawn each year: 180,000 gallons per year.

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

8. 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: Edna M. Peltier
Date: July 2, 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.
I received and filed the instrument for
record on this 23rd day of July, 1920
at 1:30 o'clock A.M. in the Civil
records of the County of Madison,
State of Wisconsin.

Witneses:

[Signature]

By: [Signature]

County Clerk

[Handwriting]

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

Owner: Albert Phenix
Address: 134 West Riverside

Driller: Glenn Camp
705 Alder
Missoula, Mont.

Date of Notice of Appropriation of Groundwater: 4/11/63

Date well started: 4/11/63
Date completed: 6/10/63

Type of well Drilled: (dug, driven, bored or drilled)
Equipment Used: Glenn Drill

Water Use: Domestic ☑️  Municipal ☐  Other ☐  Irrigation ☐

Industrial ☐  Domestic ☐  Stock ☐

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 water rises in the well.

<table>
<thead>
<tr>
<th>Strata</th>
<th>Depth</th>
<th>Static Water Level</th>
<th>Shut-in Pressure</th>
<th>Pumping Water Level</th>
<th>Discharge in gal. per min. of flowing well</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 2' Top soil</td>
<td>2' above S.L.</td>
<td>711.78 feet</td>
<td>23</td>
<td>711.78 feet</td>
<td>25.0 gal. per minute</td>
</tr>
<tr>
<td>2' to 70' Clay, gravel</td>
<td>2' above S.L.</td>
<td>25</td>
<td>711.78 feet</td>
<td>25.0 gal. per minute</td>
<td></td>
</tr>
<tr>
<td>70' to 99' Sand, gravel</td>
<td>2' above S.L.</td>
<td>27</td>
<td>711.78 feet</td>
<td>25.0 gal. per minute</td>
<td></td>
</tr>
<tr>
<td>99' to 24' Gravel, sand</td>
<td>2' above S.L.</td>
<td>29</td>
<td>711.78 feet</td>
<td>25.0 gal. per minute</td>
<td></td>
</tr>
</tbody>
</table>

Shut-in Pressure for Flowing Well: 30 feet
Pumping Water Level: 711.78 feet
Discharge in gal. per min. of flowing well: 25.0 gal.

How Tested: (Tested for yield)
Length of Test: 3 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)

Driller’s License Number: Glenn Camp
Driller’s Signature: [Signature]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
| Received and filed this Indictment for record on the 10th day of Dec., 1919, at 10:00 clock A.M. permanent time of Muncie County, State of Indiana. |
| Witness my hand: |
| Vermont B. Cloe, County Recorder |
| by: (Signature), Deputy |
| (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)

Declaraion of Vested Groundwater Rights
DEC 30 1963

STATE ENGINEER

1. NAME [ ]
   (Name of Appropriator)

   ADDRESS [ ]
   (Address)

   COUNTY OF [ ]
   (County)

   STATE OF [ ]
   (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 ____________________________
   (Household, yard, and garden)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   [ ]
   (Continuous since July 1929)

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

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:
   [ ]
   (Approximately)

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

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

8. The depth of water table:
   [ ]
   (Approximately)

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:
   [ ]
   (Approximately)

10. The estimated amount of groundwater withdrawn each year:
    [ ]
    (Approximately)

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

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:
    [ ]
    (Approximately)

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.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**1.** HENRY V. EVANS & OTIS ROSS

(Name of Appropriator)

RT #4

(Address)

MISSOULA

(State)

Montana

County of MISSOULA 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.**

   JUNE 24, 1946

   CONTINUOUS UNTIL PRESENT TIME.

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

   1,000 GAL PER HR.

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

   LOTS 1 & 2 OF ABOVE APPROPRIATOR.

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

   1 1/2 HP POWER PUMP IN WELL ON LINE BETWEEN LOTS 1 & 2.

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

   JUNE 24, 1946.

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

   55 FEET.

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.**

   8 INCH CASING = 96 FEET DEEP

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

   80,000 PER YEAR

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

    NOT 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.**

    VOL. 138, PG. 161

---

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.

---

Signature of Owner: R. J. Egan

Date: Dec. 16, 1963
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Dennis Ruzana
Address: Riverdale

Driller: Glenn Camp
Address: Missoula, Montana

Date of Notice of Appropriation of Groundwater: 
Date well started: July 19, 1964
Date Completed: July 23, 1964

Type of well: Drilled
Equipment Used: Churn drill
(Churn, drill, rotary or other)

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

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 water rises in the well.

<table>
<thead>
<tr>
<th>Depth Range</th>
<th>Strata or Conditions</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 4' Pit</td>
<td>Clay, gravel, boulders</td>
</tr>
<tr>
<td>4' to 20' Pit</td>
<td>20' to 30' Clay</td>
</tr>
<tr>
<td>30' to 46' Sandy Clay</td>
<td>46' to 50' Clay &amp; gravel</td>
</tr>
<tr>
<td>50' to 61' Gravel &amp; boulders</td>
<td>61' to 93' Clay</td>
</tr>
<tr>
<td>93' to 90' gravel, sand</td>
<td>98' to 101' Gravel &amp; water</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 65' from O.L.

Shut-ins Pressure for Flowing Well:

Pumping Water Level: 70 feet at 15 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Baize
Length of Test: 6 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)

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.

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.
I received and filed the instrument for record on the 11th day of May, 1945, at 11:50 o'clock A.M., pursuant to the laws of Waukesha County, State of Wisconsin.

Witness my hand

[Handwritten signature]

By [Handwritten signature], Deputy

Feb 7, 1945

[Handwritten note]
**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.

---

**Rudolph Hand Helms, Ruana**

**Owner**

8x5 ft. For Administrator's Use

Address: 3333 S. Main Ave., Billings, Montana

Date well started: Sept. 30, 1972

Date well completed: Sept. 30, 1972

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

**Type of Well:** Drilled

**Equipment Used:** Churn Drill

**Water Use:**
- Domestic
- Irrigation

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 x 10 ft.</td>
</tr>
</tbody>
</table>

**Top of Ground**

<table>
<thead>
<tr>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well W. Riverside</td>
</tr>
<tr>
<td>0 ft. Gravel</td>
</tr>
<tr>
<td>5 ft. Soft sand &amp; water</td>
</tr>
<tr>
<td>26 ft. gravel &amp; top clay</td>
</tr>
<tr>
<td>90 ft. Gray clay &amp; sap of water</td>
</tr>
<tr>
<td>91 ft. Gray clay</td>
</tr>
<tr>
<td>98 ft. Sand gravel &amp; water</td>
</tr>
<tr>
<td>101 ft. Sand gravel &amp; water</td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>From (Ft.)</th>
<th>To (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 70 ft.

**Pumping water level:** 60 ft.

**Power:** Electric

**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: [Signature]

Driller's Address: [Address]

**LICENSE NO. 5**

Show exact depth of bottom

51,689
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: Joel Salmonsan
Address: P.O. Box 364
Milltown, Montana

Date well started: Apr 11, 1972
Well completed: Apr 11, 1972

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: 3,000,000 gallons

<table>
<thead>
<tr>
<th>Depth of Hole</th>
<th>Diameter of Hole</th>
<th>Windup</th>
<th>Inches</th>
<th>Press. (Ft)</th>
<th>Top (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; 17#</td>
<td>1 up</td>
<td>93</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 66 ft
Pumping water level: 67 ft
Well developed by Bailer for 1 hour.
Power: 1 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: Charles Wallentowicz
Driller's Address: J.K. O'Drillings, P.O. Box 67Q

County: Missoula

59 217
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: Joe S. Smith
Address: Mifflinway
Montana 59888
Date well started: Oct. 9, 1971
Type of well: Drilled
Equipment used: Churn drill, rotary or other
Water Use: Domestic, Municipal, Stock, Irrigation, Industrial, Drainage, Other

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

Top of Ground

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>30</td>
</tr>
<tr>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>40</td>
<td>50</td>
</tr>
</tbody>
</table>

Estimated Annual Withdrawal

<table>
<thead>
<tr>
<th>Date and Time of Cutting</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>6/10</td>
<td>1/16</td>
<td>1/9</td>
</tr>
</tbody>
</table>

Static water level: 50 ft.
Pumping water level: 65 ft.

*Measured from ground level.
Well developed by: Deep pump... for ... hours.
Power: 5000 HP
Remarks: (Gravel packing, cementing, packers, type of shut-off)

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Driller’s Signature: 4/23/69
Driller’s Address: 4202 S., 4th Ave., Missouri, Montana 59807

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

Show exact depth of bottom
I received and acknowledged the instrument for
record as No. 15, filing date 18th, 19th,
of Missoula County, State of Montana.
A true copy.

Frank R. Green, County Recorder
By: Shadrack R. Thayer, Deputy
File No. 32-92-18-3-2-1-2-2

2100
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level)

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Rise and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 1/2&quot; I.D. seamless</td>
<td>4 to 103 1/2&quot;</td>
<td>None</td>
<td></td>
</tr>
</tbody>
</table>

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

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 water rises in the well.

Date of Notice of Appropriation of Groundwater

Owner: Mrs. C.R. Smith
Address: W. Riverside

Driller: A.R. Keeney
Address: Missoula, Mont

Date well started: July 3, 1946
Date completed: July 9, 1946

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

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

43 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 water rises in the well.

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

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)

None

Driller's License Number

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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
I received and filed this instrument for receipt on the 4th day of July, 1923, at 2:32 o'clock P.M., permanent files of Minnow Creek, State of Montana.

Witnes my hand:

[Signature]

Notary Public

[Notary Seal]

[Date]
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. W. S. Smith
   (Name of Appropriator)
   of R. & W. Riverside
   Missoula, (Address)
   (Town)

County of Missoula, 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:
   [Signature]
   [Date]

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

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

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:
   [Signature]
   [Date]

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

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

8. The depth of water table:
   [Signature]
   [Date]

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:
   [Signature]
   [Date]

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

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

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]
    [Date]

Signature of Owner:

Date: 9-23-63

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Received and filed this instrument for record on the 1st day of Dec. 1951 at 3:30 o'clock P.M., permanent time of Missoula County, State of Montana.
Witness my hand.

MARTIN S. BETHLEHUM, County Recorder
By: Deputy

I received and filed this instrument for record on the 1st day of Dec. 1951 at 3:30 o'clock P.M., permanent time of Missoula County, State of Montana.
Witness my hand.

MARTIN S. BETHLEHUM, County Recorder
By: Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Lloyd A. Stimson
(Rate of Production) Missouri

County of missoula 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 Dec. 31, 1962

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

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

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

30150
Declaration of Vested Groundwater Rights

(under Chapter 237, Montana Session Laws, 1961)

1. Swain G. Swanson
   of West Riverside
   Milltown
   (Name of Appropriator) (Address) (Town)

   County of Missoula
   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 irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: June first 1964 continuous to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20 gallon 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: 5,500 sq. ft. of lawn around house

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric pump
   Location of well: North West corner of house located on lot 2, block 2, plat 26.99 acres. Westside Addition, Missoula County, Mont.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: About May 20, June 1, 1954

8. The depth of water table: 60 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well is 96 feet has 1' pipe in 4' casing

10. The estimated amount of groundwater withdrawn each year: 440,000 gallon

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: Swain G. Swanson

Date: Dec. 31, 1965

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

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

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

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

Declaration of Vested Groundwater Rights
(Nome of Appropriator)
(Address) City)
County of
State of

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continuous since 1913

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:

Electric Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1913

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:

Well 1.50' deep

10. The estimated amount of groundwater withdrawn each year: Household and yard

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

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

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.

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.

Signature of Owner:

Date: October 19, 1963

Helena Independent Record
File No. 12-18-N
County Missoula

RECEIVED
NOV 5 1963
STATE ENGINEER
I received and filed this instrument for record on the 11th day of Oct. 1863 at 10 o'clock A.M., permanent time of Minnehaha County, State of Montana.
Witness my hand.
MARTIN S. REIFNER, County Recorder.
By:        Deputy.

Copy 2125-26
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Glady E. Towler (Name of Appropriator)
of 114 A. Ward Riverside, Missoula (Address) (Town)
County of Missoula 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 1947

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

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
   Domestic

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

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 105' from G.L. Approx 65' to 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 Domestic. 105' G.L. 105' from G.L.

10. The estimated amount of groundwater withdrawn each year Domestic

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 Glady E. Towler
Date December 4, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Owner</th>
<th>Rudolph Martinez Treichel Address: Milltown, Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Glenn Camp Address: Milltown, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>11/7/58</td>
</tr>
<tr>
<td>Date Completed</td>
<td>11/13/58</td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>T. R. 13 R. 16 34 sec.</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Drill</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>ft. to 9.8 ft. Type: Schedule Pipe Size: 5' 1/2</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to 7.0 ft. Type: Schedule Pipe Size:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened: Ft. to ft. Ft. to ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations: None</td>
<td></td>
</tr>
<tr>
<td>Static Water level: Non-flowing well: feet.</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure: Non-flowing well: lb./sq. in. on: (date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level: 25 ft. water level at Twenty (20) gal. per min.</td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Baills</td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>Gravel packing, cementing, packers, type of shut-off, depth of shut-off: 96' to 98', good gravel</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>From</td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
</tr>
<tr>
<td>0</td>
<td>6</td>
</tr>
<tr>
<td>6'</td>
<td>24'</td>
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<tr>
<td>24'</td>
<td>29'</td>
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<tr>
<td>29'</td>
<td>32'</td>
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<tr>
<td>32'</td>
<td>45'</td>
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<td>45'</td>
<td>48'</td>
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<td>48'</td>
<td>68'</td>
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<tr>
<td>68'</td>
<td>78'</td>
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<tr>
<td>78'</td>
<td>81'</td>
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<tr>
<td>81'</td>
<td>94'</td>
</tr>
<tr>
<td>94'</td>
<td>96'</td>
</tr>
<tr>
<td>96'</td>
<td>98'</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)

Owner: Mrs. Margaret Allport
Address: Missoula, Montana

Driller: Liberty Drilling Co.
Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None Filed

Formation Log:

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>Approx. 335'</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1</td>
<td>Top soil</td>
<td></td>
</tr>
<tr>
<td>1 - 6</td>
<td>Boulders &amp; gravel mixed in tan clay</td>
<td></td>
</tr>
<tr>
<td>6 - 63</td>
<td>Sand &amp; gravel mixed in tan silty clay</td>
<td></td>
</tr>
<tr>
<td>63 - 86</td>
<td>Sand &amp; gravel imbedded in tan clay</td>
<td></td>
</tr>
<tr>
<td>86 - 90</td>
<td>Fine sand and gravel</td>
<td></td>
</tr>
<tr>
<td>90 - 93</td>
<td>Clean coarse sand and gravel</td>
<td></td>
</tr>
</tbody>
</table>

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.

**Perforations**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casings</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>OD x 3/4</td>
<td>+6&quot;</td>
<td>93</td>
<td>ONE</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 63 feet.

 Shut-in Pressure for Flowing Well: None.

Pumping Water Level: 76 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well: Non-flowing

How Tested: Air-Lift Pump

Length of Test: Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff). All water analysis entering well through the open bottom of six inch casing.

(Continue on reverse side)

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

**Laws**

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

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

Driller's License Number

[Signature]

Driller's Signature

29167
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. G.M. Anderson & Lois Anderson, of Fine Grove, Missoula, 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 lawn care.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1938, continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Not known.

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 applicable.

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: 1938.

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 6-inch casing, 90 ft.

10. The estimated amount of groundwater withdrawn each year: Not known.

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: None.

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. SORIE PICH
   (Name of Appropriator)
   of Rt. 4, Missoula
   (Address)
   (Town)
   County of Missoula
   (Town)

   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 - houses, garden and lawn

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

   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 acreage and description of the lands to which water has been applied and name of the owner thereof
      1.28 - acres

   6. The means of withdrawing such water: from the ground and the location of each well or other means of withdrawal
      6 - inch casing - 14 - h.p. electric motor and pump

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

   8. The depth of water table
      15 - feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      6 - inch casing - 85 - feet deep electric motor and pump

   10. The estimated amount of groundwater withdrawn each year
        25,000 - gallons

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

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
        Deed to property recorded in Book 146 at page 50; Records of Missoula County, Montana

   Signature of Owner: SORIE PICH
   Date: December 20, 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. Brian Motor Co., of Box 159, Missoula, Montana
   (Name of Appropriator) (Address) (Town)

   County of Missoula, 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
      [Box for 'ship use only' or 'crop use only']

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      1956 and onward

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      20 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
      [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
      [Enter Remarks - S64 - SE66 - 7 3 9 18]

   SW1/4 SE3/4 SE7 7 13 18

   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
      [Not Available]

   8. The depth of water table
      28 ft

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      [96 feet deep - 1 1/2 casing]

   10. The estimated amount of groundwater withdrawn each year
      3,500,000 gal

   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 Available]

   Signature of Owner
   [Signature]
   Date 12-30-63

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, 1960)

(Please and Cenita M. Christy, of P.O. Box 107, Mil Tim
(Name of Appropriaier) (Address) (Town)
County of Missoula State of Montana

I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1902, as follows:

1. The beneficial use on which the claim is based: House, field, garden

2. Date or approximate date of earliest beneficial use: 1901

3. The amount of groundwater claimed (in miner’s inches or gallons per minute): 115 gal. per minute

4. If used for irrigation, give the acreage to which water has been applied and name of the owner thereof: 100 ac. owned

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

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. The depth of well or the general specifications of any other works for the withdrawal of groundwater: 60 ft deep

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

10. The log of formations encountered in the drilling of each well: On known

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

Signature of Owner: Ross C. Christy
Date: 12/28/43

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.