<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Preiss, C.L.</td>
<td>WELL</td>
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<tr>
<td>2</td>
<td>Hill, R.B.</td>
<td>GW</td>
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<td>3</td>
<td>Heier, Vernon W.</td>
<td>H</td>
<td>3130</td>
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<tr>
<td>2</td>
<td>Kochske, E. and Zetina</td>
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<td>3</td>
<td>Spencer, P.</td>
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<td>Weight, Frank N.</td>
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<td>Bertsch, Wm. M.</td>
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<td>Wenzlick, Russell A.</td>
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<td>Redding, Bob</td>
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<td>White, Sally J. &amp; E.D.</td>
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<td>Bury, John</td>
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<td>Peer, Esther M.</td>
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<td>release</td>
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<td>Swartz, Jack R.</td>
<td>GW</td>
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<td>Rutten, Joseph F.</td>
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<td>Jordan, Harley A. and Wardow, W.</td>
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<tr>
<td>15</td>
<td>Anderson, Gladys Adam</td>
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<tr>
<td>20</td>
<td>Hasting, Robert</td>
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<td>Schilling, Harold Jr.</td>
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<td>Goldway, Edwin C. and Betty L.</td>
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<td>Hewit, Minniebell and Gordon L.</td>
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<td>Mann, Mary</td>
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<td>Waterhouse, Earl Eugene</td>
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<td>Schilling, Harold J. and Mary</td>
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<tr>
<td>36</td>
<td>Schilling, James J.</td>
<td></td>
<td>5387</td>
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MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana  

WATER WELL LOG  

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>C.H. Briggs</td>
<td>Fill West Manchester Rd</td>
<td>E.D. Nafferty</td>
<td>177. 16 5 Ave S W</td>
<td>June 20-59</td>
<td>June 30-59</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>E.</th>
<th>F.</th>
<th>因</th>
<th></th>
<th></th>
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<tbody>
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<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Water use</th>
<th>Industrial</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Churn Drill</td>
<td>Domestic</td>
<td>□</td>
<td>□</td>
<td>□</td>
<td>□</td>
</tr>
<tr>
<td></td>
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<td></td>
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<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
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<tbody>
<tr>
<td>6&quot; 0 ft. to 35 ft.</td>
<td>Black Iron</td>
<td>Six inch</td>
</tr>
<tr>
<td>5' 0 ft. to 19' ft.</td>
<td>&quot;</td>
<td>Five inch</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type of screen or perforations: Casing Driven open into ground

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>Ib. sq. in. on: (date)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

| How tested: | |
|-------------| |

| Length of test: | |
|-----------------| |

| Remarks: (Type of shut-off, depth of shut-off) | |
|------------------------------------------------| |
|                                                | |

Well flowing up at seven gal per min.  

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>0 - 3 ft</td>
<td>Limestone</td>
</tr>
<tr>
<td>3 - 14 ft</td>
<td>Silt</td>
</tr>
<tr>
<td>14 - 37 ft</td>
<td>Quick Sand</td>
</tr>
<tr>
<td>37 - 133 ft</td>
<td>Silt</td>
</tr>
<tr>
<td>133 - 196 ft</td>
<td>Quick Sand</td>
</tr>
<tr>
<td>196 - 197 ft</td>
<td>Gravel</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: July 1, 1960
Owner: B. L. H.
Address: B. L. H.

Contractor (if any): H. M. SPHELLEN
Address of Contractor: H. M. SPHELLEN
Date Started: July 1, 1960
Date Completed: July 1, 1960

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

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

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.

Signature of Owner: B. L. H.
Date: 7/31/60

[Diagram]

KW-SW 1/4
Sec. 2, T.28 N, R.2E
Indicate point of appropriation and place of use, if possible.

2850
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. VERNON W. MEIER
   (Name of Appropriate)
   of Route 1 West, Great Falls, Montana
   (Address) (Town)
   County of Cascade State of Montana

   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1982, as follows:

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

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 18 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 14 lbs. per sq. inch pressure

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Fall of 1958, about 2 weeks to drill 200 feet deep.

   8. The depth of water table 200 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

   One 4 inch Well.

   10. The estimated amount of groundwater withdrawn each year 9,460,800

   11. The log of formations encountered in the drilling of each well if available nothing but mud

   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 May 9, 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.
STATE OF MONTANA

County of Cascade.

I hereby certify that the within instrument was filed in this office on
29th day of August 1920

at 3:30 o'clock P.M.

J. L. LYNSON

County Clerk and Recorder

By [Signature]
Deputy
**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

**Name of Appropriator**

County of **Washoe**  
State of **Montana**

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

1. **Name of Appropriator**
2. **Address**
3. **Town**
4. **Date or approximate date of earliest beneficial use; and how continuous the use has been** (from 1901 and the use has been continuous)
5. **The amount of groundwater claimed (in miner's inches or gallons per minute)**
6. **If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof**
7. **Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.**
8. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**
9. **The depth of water table**
10. **The estimated amount of groundwater withdrawn each year**
11. **The type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater**
12. **Signature of Owner**

Date **7th December 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; Triplet to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA,

County of Cascade.

I hereby certify that the within instrument was filed in this office on NOV 1, 1900,

at 4:50 O clock P.M.

J. E. LITTLETON
County Clerk of Recorder.

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

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: F. E. Spencer
Address: Manchester, Mont.
Driller: Pat Byrne
Address: Ft. Falls, Mont.

Date of Notice of appropriation of groundwater: 11-5-1967
Date well started: 11-5-1967
Date completed: 11-13-1967

Type of well: Drilled
Equipment used: Churn Drill
(Dug, driven, bored or drilled)

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

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

Show exact depth of bottom.

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

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.

Driller's License Number
Driller's Signature

11-13-1967
STATE OF MONTANA, ex.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

NOV 17 1967

Data
8:19 o'clock A.M.

J. L. LENNON
County Clerk and Recorder

By: [Signature]
De.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: F. L. Spencer
Address: Box 305, Great Falls, Mont.

Driller: Arnold Soennichsen
Address: 2500-13th St. South
Great Falls, Mont.

Date of Notice of Appropriation of Groundwater: December 31, 1963

Type of well: Drilled
Equipment Used: Rotary

Top of Ground
(Elev. above sea level)

0 to 5 ft. Top Soil
5 to 11 ft. Sand
11 to 18 ft. Clay
18 to 22 ft. Sand
22 to 115 ft. Gravel
115 to 147 ft. Gravel
147 to 156 ft. Shale-Sandy
156 to 168 ft. Sandstone
(Broken)
168 to 220 ft. Blackleaf Shale-Sandy

Casing Set: 15 ft. I.D. O.D.
Casing Cemented In.

Flowing Well - Flows 15 Gal.
per minute at 5 lb. Pressure

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

5% 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.

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

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA, INC.
County of Gallatin, Inc.

I hereby certify that the will in instrument was filed in this office on

JAN 2 - 1954

at 8:45 A.M.

In

County

By

[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. County of Montana
   Address of Appropriator
   Name of Appropriator
   Town
   State of Montana
   Declaration of Vested Groundwater Rights, 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, stock, Irr. lawn and garden

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

   Aug. 13, 1941
   Continues since

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

   10 gal.

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

   Land and garden

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

   Artesian flow and 1/4 H.P. pump (electric)

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

   Aug. 2, 1941 to Aug. 15, 1941

   8. The depth of water table

   11 foot Artesian pressure

   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 and cased, 5 inch casing, 117 feet deep

   10. The estimated amount of groundwater withdrawn each year

   100,000 to 1,000,000 gal.

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

   0-101. Silts loam 70-701 Sandy clay 105-1211 carbonate and gravel
   2-131 Heavy clay 70-721 Quartz sand 112-1511 heavy clay
   1-201 Thick sand 70-1215 Silt clay 150-1715 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

   Not known

   Signature of Owner
   Date Dec. 10, 1943

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. WM. H. BERTSCHE, JR.,
of 1917 4th Ave. No., GREAT FALLS
(Name of Appropriator) (Address) (Town)

County of CASCADE 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
TO WATER STOCK

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
OCT. 10, 1959; and continuous flow into stock tank.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) Three 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
Natural flow of water through perforated pipe into stock tank.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Oct. 1, 1959 - finished October 10, 1959

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: Located seam of water about 10 feet in side of hill. Through use of perforated pipe and gravel the water is run through a pipe to stock tank.

10. The estimated amount of groundwater withdrawn each year
Have gate valve - 200,000 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: [Signature]
Date: June 6, 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 Appropriator.
STATE OF MONTANA,

County of Cascade.

I hereby certify that the within instrument was filed in this office on

JUN 3 1962

I. L. Howard

County Attorney

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. We, H. Bertsche, Jr., of 1917 4th Ave. No., Great Falls, 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 August 15, 1959 - continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 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. 5" casing with pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater August 3, 1959 completed August 15, 1959.

8. The depth of water table 50'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 5" casing and well drilled to 360' - filled with gravel back to 315'.

10. The estimated amount of groundwater withdrawn each year 20,000 gallons.

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

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

Signature of Owner:

Date: June 6, 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 Appropriator.
<table>
<thead>
<tr>
<th>Depth Interval</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6'</td>
<td>Bandy Loam</td>
</tr>
<tr>
<td>6' - 28'</td>
<td>Dark Conglomerate</td>
</tr>
<tr>
<td>28' - 93'</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>93' - 130'</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>130' - 165'</td>
<td>Sandy Gray Shale</td>
</tr>
<tr>
<td>165' - 175'</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>175' - 198'</td>
<td>Muddy Sand Rock</td>
</tr>
<tr>
<td>198' - 228'</td>
<td>Clean Sand Rock</td>
</tr>
<tr>
<td>228' - 238'</td>
<td>Muddy Sand Rock</td>
</tr>
<tr>
<td>238' - 272'</td>
<td>Clean Sand Rock</td>
</tr>
<tr>
<td>272' - 335'</td>
<td>3 G.P.M. at 243'</td>
</tr>
<tr>
<td>335' - 345'</td>
<td>Red Gray Shale</td>
</tr>
<tr>
<td>345' - 360'</td>
<td>Sand Rock</td>
</tr>
<tr>
<td></td>
<td>Gray Shale</td>
</tr>
<tr>
<td></td>
<td>Filled with gravel to 315'</td>
</tr>
</tbody>
</table>

Seep at 200'
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. WM. H. BERTSCHE, JR. of 3917 9th Ave. N., Great Falls, Montana
   (Name of Appropriator) (Address) (Town)
   County of Cascade 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
      to irrigate land and water stock.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1943 - continuous.

   4. The amount of groundwater claimed (in miner’s inches or gallons per minute) 35 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. To irrigate 5 acres of garden land owned by WM. H. BERTSCHE, JR.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Not known.

   8. The depth of water table. Flowing well.

   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” pipe down 195.

   10. The estimated amount of groundwater withdrawn each year. 1,500,000 gallons.

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

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

   Signature of Owner

   Date June 6, 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 & Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.
State of Montana, Jan. 3
County of Cascade.

I hereby certify that the within instrument was filed in this office on
July 28,

at 11:50, A.M.

J. L. Lennon
County Clerk and Recorder.

[Signature]
Deputy.
Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1959
Owner: Address: Contractor (if any): 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.

[Diagram showing groundwater levels and flow]

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.

[Signature of Owner] Date: July 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
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: John Doe
Address: Great Falls, Mont.
Date well started: May 16, 1973
Date well completed: May 24, 1973
Type of well: Drilled
Equipment used: Hydrostatic
Water Use: Domestic

ESTIMATED ANNUAL WITHDRAWAL: 2.90 GALLONS PER DAY

<table>
<thead>
<tr>
<th>Kind of Well</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>39 ft.</td>
<td>4 ft.</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>39 ft. to 114 ft.</td>
<td>4 ft.</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level: 60 ft.
Pumping water level: 114 ft.

Pow. 60 ft. Sandstone
Water Company: 114 ft. Sandstone

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.

Driller's Signature: John Doe
Driller's Address: Great Falls, Mont.

COUNTY: Great Falls

LICENSE NO. 84

53,801
STATE OF MONTANA
County of Cascade

I hereby certify that the within instrument was filed in this office on

JUN 19 1973

[Signature]

[Stamp]
**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.

**Sally J White**

Owner: 

Address: 

Date well started: June 12, 1973

completed: June 14, 1973

Type of well: Drilled

Equipment used: Rotary

Water Use: Domestic [x] Municipal [ ] Stock [x] Irrigation [x] Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [x]

*Describe: 15 acre feet

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 Depth of Cutting</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 3/8&quot;</td>
<td>120</td>
<td>45</td>
<td>125</td>
<td>4&quot; packed</td>
</tr>
<tr>
<td>5&quot; PK</td>
<td>90</td>
<td>125</td>
<td>125</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 75 ft
Pumping water level: 100 ft
Well developed by: Gravel packing, cementing, packers, type of shallow

Power: 140 HP
Remarks: (Gravel packing, cementing, packers, type of shallow)

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

Driller's Signature:

Driller's Address:

Great Falls, Montana 59401

LICENSE NO. 214

Show exact depth of bottom
STATE OF MONTANA,
County of Cascade.

I hereby certify that the within instrument was filed in this office on
JUN 21 1973
10:55 A.M.

L. LENNON
County Clerk and Recorder

Deputy
STATE OF MONTANA
STANIS LAW,
OWNER OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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

(Under Chapter 337 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:** John Barry  
**Address:** Great Falls, Mont.

**Date well started:** May 1, 1973  
**Date well completed:** May 6, 1973

**Type of well:** Drilled

**Equipment used:** Cable Tools

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

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

---

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Diameter (Feet)</th>
<th>Depth (Feet)</th>
<th>From To (Feet)</th>
<th>Kind</th>
<th>From To (Feet)</th>
<th>From To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.5&quot;</td>
<td>6' to 30'</td>
<td>Surface</td>
<td>30'</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>6&quot; from 30' to 60'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 30 ft. Pumping water level: 60 ft. at 30 gal. per minute, measured 5 minutes after pumping began.

*Measured from ground level. Well developed by Bailers for 1 hour. Power: Big pumps. No license. Remarks: (Gravel packing, cementing, packers, type of shutoff) None.

---

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

Driller's Signature: Thomas B. Franklin  
Driller's Address: 8th. R. 2. Box 561, Great Falls, Mont.  
License No.: 84

---

**DRILLER’S LOG**

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

---

**Top of Ground (Ev above sea level):**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>30</td>
</tr>
</tbody>
</table>

---

**Show exact depth of Lottom:** 60 ft.
STATE OF MONTANA, ss.
County of Cascade.
I hereby verify that the within instrument was filed in this office on

JUN 1 2 1973

8:00 a.m.

J. E. DUNN
County Clerk and Recorder.

Deputy.
October 10, 1972

Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Building
Helena, Montana 59601

Dear Sir:

Enclosed you will find a copy of a release agreement for the utilization of a fresh water well.

Operator: Union Texas Petroleum
Lease Name: Poor
Well No.: 1, Sec. 3, Twp. 22 N., Rge. 2 E.

Yours very truly,

Donald E. Chisholm
Acting Administrator

cc: Mr. W. Bond
Bureau of Mines and Geology
Butte, Montana 59701
BOARD OF OIL AND GAS CONSERVATION OF THE STATE OF MONTANA

RELEASE AGREEMENT

KNOW ALL MEN BY THESE PRESENTS, that I, ESTHER M. POOR of the County of Cascade in the State of Montana, am the owner of the hereinafter described land upon which a well for oil or gas or diluted, te-fluid:

Operator Union Texas Petroleum

Lease No.

Well No. 1 Sec. 7 __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ __ ─

November 30, 1975, I do hereby notify Board of Oil and Gas Conservation of the State of Montana of my desire to utilize said well as a fresh water well; and, that if such utilization is approved, I do hereby release and discharge the operator heretofore named from any further work or responsibility in relation to the plugging of said well.

Water Use: Domestic X Municipal Stock X Other

Industrial Drainage Irrigation X

Producing Depth 2166 - 2173 Producing Formation Sunburst

Yield of well __________ Annual Withdrawal __________

WITNESS my hand and seal this ___ day of ___, 1975.

ESTHER M. POOR
Landowner

Address 4192 9th Ave. SE
Helena, Montana

IN THE PRESENCE OF:

APPROVED BY:

Board of Oil and Gas Conservation

Petroleum Engineer, Geologist, or Administrator

Dated: ____, ____, ___
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. of 

(Name of Appropriator) 

County of 

Address) 

State of 

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

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.
CLERK AND RECORDER
CASCADE COUNTY, IDAHO
I HEREBY CERTIFY THAT THE HEREIN
INSTRUMENT(S) FILED FOR RECORD
IN THIS OFFICE:

AT 10:59 A.M.
AND DULY RECORDED AS A DOCUMENT
NO.

J. L. LENNOX
CLERK AND RECORDER

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

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

1. JOSEPH L. KULZAN
   (Name of Appropriator)
   of 120 - 6 W A.F. No. - GREAT FALLS
   (Address)
   (Town)
   County of CASCADE, State of MONTANA

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

2. The beneficial use on which the claim is based: HOUSEHOLD USE, GARDEN WATERING, 20 HEAD OF CATTLE

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1914, has not been used for some years, is now being put into use again.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): APPROX. 3 gallons per minute (taken from old records of the well).

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: Small garden irrigation only.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Hand pump. Well is located in the sec. 12 T11 N., R. 105 E. CASCADE COUNTY, MONTANA.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1914.

8. The depth of water table: 65 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: No log of formations encountered in the drilling of this well if available.

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

11. The log of formations encountered in the drilling of this well if available: 25 feet of rock to bottom of well.

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

Signature of Owner: JOSEPH L. KULZAN
Date: June 20, 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.
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.

Harley A., and/or Wardene W. Jordan

Address: Box 222, St. 1 Wawa

Date well started: 4-30-1971

Date well completed: 5-2-1971

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</th>
<th>Size and Weight of Column</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>51-15</td>
<td>0</td>
<td>58</td>
<td>Torch 52</td>
</tr>
</tbody>
</table>

Static water level: 40 ft.*
Pumping water level: 53 ft.*

at 40 gallons per minute, measured ________ minutes after pumping began.

*Measured from ground level.

Well developed by 

for _______ hours.

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

Driller's Signature _____________________________

Driller's Address ______________________________

LICENSE NO. 135

Show exact depth at bottom
STATE OF MONTANA, Jan.
County of Caledon.

I hereby certify that the within instrument was filed in my office on:

May 26, 1971

At 8:45 A.M.

J. L. LENNON
County Clerk and Recorder

By:

Deputy

5283
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

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

1. Gladys Andersen  
(Name of Appropriator)  
County of Cascade  
(Address)  
(Town)

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

Section 15

2. The beneficial use on which the claim is based is for dwellings and livestock consumption.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: No. 1 used continuously since 1920, No. 2 used continuously since 1933, No. 3 used continuously since before 1916.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) No. 1, approximately 15 gpm. No. 2, measured at 15 gpm. No. 3, approximately 15 gpm.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. No irrigation use other than lawn and garden watering.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: No. 1, windmill. No. 2, electric pump. No. 3, electric pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well no. 1, constructed in 1920. Well no. 2, constructed in 1933. Well no. 3, constructed before 1916.

8. The depth of water table approximately 20 feet of water in each well.

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 no. 1, about 60 feet deep. Well no. 2, about 45 feet deep. Well no. 3, about 60 feet deep.

10. The estimated amount of groundwater withdrawn each year: 1,500,000 gallons.

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

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

Signature of Owner: [Signature]  
Date: Dec. 27, 1963

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

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

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

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

1. **Name of Appropriator**  
2. **Address**  
3. **Town**  
4. **County**  
5. **State of**  

<table>
<thead>
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</table>

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

<table>
<thead>
<tr>
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</table>

1/4 Sec. 11, T. 52, R. 26

**Date:**  

## Other Information

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)

1. HAROLD J. SCHILLING
   (Name of Appropriator)
   11 WEST
   GREAT FALLS
   (Address) (Town)
   County of CASCADE State of MONTANA

I declare that I (we) have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

3. The beneficial use on which the claim is based:
   Livestock, domestic use and irrigation

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
   About 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:
   Sometime prior to 1915

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

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   Depth of well: 110 ft.
   Method:

10. The estimated amount of groundwater withdrawn each year:
    1,000,000 to 1,500,000

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:
    Purchased this in 1914 but well had been drilled many years before

Signature of Owner:

Date: August 15th, 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, ex. (
County of Cascade.
I hereby certify that the within in-
strument was filed in this office on
AUG 29 1900

J. L. LENNON
County Clerk and Recorder.

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. **Olivia Anderson**
   (Name of Appropriator)

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...

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

1. (Name of Appropriator) of (Address) (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.

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

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: ________________

Owner: ________
Address: ________

Contractor (if any): ________
Address of Contractor: ________

Date Started: ________ Date Completed: ________

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

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

to sub-irrigation of about 5 acres of pasture,
sufficient water is provided by the spring
to water up to 20 head of cattle. No flow rate
measurements have ever been made. The spring
is used for livestock watering an average of 6
months per year.

Signature of Owner: ______________________

Date: ________

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 Appraiser.
STATE OF MONTANA, ex.
County of Cascade

I hereby certify that the within instrument was filed in this office on
Dec. 27, 1968.

J. E. LEE
County Clerk and Recorder

By: _______________________
       Deputy.
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner, Plating, Brine Address. Date: I Sign: Date

Contractor (if any) 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.

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.

Indicate point of appropriation and place of use, if possible.

Signature of Owner Date

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

**DEVELOPED AFTER JANUARY 1, 1966**

(Under Chapter 237, Montana Session Laws, 1961)

**Harold and/or**
**Owner:** E. Sylvia Polish
**Address:** Ulm, Montana 2112-7th Ave. S.

**Driller:** Pat Byrne
**Address:** Great Falls, Mont.

**Date of Notice of appropriation of groundwater:**

- **Date well started:** Nov. 3, 1966
- **Date completed:** Nov. 5, 1966

**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.

### PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
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</tbody>
</table>

**Static Water Level for non-flowing well**

- **28' feet.**

**Shut-in Pressure for Flowing Well**

- **44** feet.

**Pumping Water Level**

- **38** feet.

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

- **20** gal. per minute.

**How Tested:** Bauer
**Length of Test:** 1 hour

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

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

**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. One 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**

**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. HAROLD POLICK, of , of , State of

County of CASCADE 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, stock
and small personal

3. Date or approximate date of earliest beneficial use, and how continuous the use has been been in May, 1964 - used ever since

4. The amount of groundwater claimed (in miner’s inches or gallons per minute), (2) 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 not used

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater All completed in May of 1962

8. The depth of water table 110 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 withdrawal of groundwater

10. The estimated amount of groundwater withdrawn each year 613,200 gallons

11. The log of formations encountered in the drilling of each well if available Solid rock down to 110 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

Signature of Owner HAROLD POLICK
Date December 31, 1963

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

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

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

1. Edwin C. Galloway
   (Name of Appropriator)
   (Address)
   (Town)
   County of Cascade
   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: Homes
   (Type of Use)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: April 1961 - Continuous
   (Date)

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 35 gallons per minute
   (Amount)

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: April 1961
   (Date)

8. The depth of water table: 6 feet
   (Depth)

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

10. The estimated amount of groundwater withdrawn each year: 216,000 gallons
    (Amount)

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

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

Signature of Owner: Edwin C. Galloway
Date: 2/1/63

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, JUD
COUNTY OF Cascade
I certify that the within instrument was filed in this office on
Oct. 27, 1962

J. L. LENNON
County Clerk and Recorder

By
Deputy
Notice of Completion of Groundwater Appropriation by Means of Well Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Gordon L. Hawthorne
Address: Box 122, Ruby, Mont.
Driller: E. O. Reckart
Address: 920 S. W. 5th, City

Date of Notice of appropriation of groundwater: July 22, 1969
Date well started: July 22, 1969
Date completed: July 23, 1969

Type of well: Drilled
Equipment used: Churn Drill
Wells used: Domestic
Industrial
Other

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>From (feet)</th>
<th>To (feet)</th>
<th>Casing Length</th>
</tr>
</thead>
<tbody>
<tr>
<td>3' x 5'</td>
<td>5/16 pipe</td>
<td>0</td>
<td>41</td>
<td>casing driven a top of sand rock</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
40 Gal. per Min.

How Tested: 5 gal. in 8 seconds
Length of Test
Remarks: (Gravel packing, cementing, packers, type of shut-off, filled behind casing with shale, etc.)

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

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

Driller's License Number
Driller's Signature

15512
LATE OF MONTANA.  
County of Galena.  
I hereby certify that the within document was filed in this office on 
AUG 7 1969, 

4:40 P.M.  
J. L. LINDON 
County Auditor-Recorder 

[Signature] 
[Date]