Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

OWNER: Name_________ Address______________________________

Driller: Name_________ Address______________________________

Date of Notice of appropriation of groundwater and application________.

Date well started________, Date completed________

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

Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other

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

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>(Elev. above sea level)</td>
</tr>
<tr>
<td>20</td>
<td>Top So. 1 cm Clay</td>
</tr>
<tr>
<td>30</td>
<td>Gravel</td>
</tr>
<tr>
<td>40</td>
<td>Clay</td>
</tr>
<tr>
<td>50</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>60</td>
<td>Gravel and Sand Board</td>
</tr>
<tr>
<td>70</td>
<td>Clay</td>
</tr>
<tr>
<td>80</td>
<td>Top Gravel</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well ______ feet.

Shut-in Pressure for Flowing Well ________

Pumping Water Level ________ feet at _______ gal. per minute.

Discharge in gal. per min. of flowing well ________

How Tested Pump

Length of Test ________ hours

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).

Driller's License Number

Driller's Signature

5/883
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner of Well: Address: Owner's Name:

Driller: Address:

Date of Notice of Appropriation of Groundwater

Date well started

Date completed

Type of well: Equipment Used:

(dug, driven, bored or drilled)

Water Use: Domestic [x] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other [ ]

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>6' 17</td>
<td>0</td>
<td>624</td>
<td>none</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level: feet at gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Length of Test

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

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

Show exact depth of bottom.

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

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

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

Driller's License Number

Driller's Signature

[Diagram and map marks]
MONTANA BUREAU OF MINES AND GEOLOGY  
Bull. 452, 1959  
STATE ENGINEER  

WATER WELL LOG  

| Owner: John B. Jones | Address: 123 Main St.  
| Driller: V&H Co.  | Address: 456 Oak Ave.  
| Date Started: July 15, 1959 | Date Completed: August 15, 1959  
| Location: Sec. 14, T. 25 S., R. 66  

Type of well: 
Equipment used: 

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

Casing: 
- Size: 6"  
- Type: PVC  

Perforated or Screened: 

Type of screen or perforations: 

Static Water level, for non-flowing well: 6 ft.  
Shut-in pressure, for flowing well: 5 lb. sq. in. on: (date)  
Pumping water level: 10 feet at 4.2 gal. per min.  
How tested:  
Length of test:  
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 32</td>
<td>All sand &amp; gravel</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Robert H. Luttrell, of 1003 North Church Road,
   (Address) Helena, Montana (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: Yard and Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1, 1975—Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): None 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: 3 Acres, A.H. Luttrell

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: 1895

8. The depth of water table: Ground 3 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: Bug well: About 15 feet

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

11. The log of formations encountered in the drilling of each well if available: Sand, 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: None that shall

Signature of Owner: A.H. Luttrell
Date: April 3, 1964

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.
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

宣誓的法定代表人姓名

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:

3. Date or approximate date of earliest beneficial use; and how continuous the use has been, 193o to present date:

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

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

NAME OF APPROPRIATOR: Stanley T. Gramm
ADDRESS: 1006 S. Church
BOZEMAN, MONTANA

COUNTY OF GALATIN
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: DRIVING, LAWN, AND GARDEN

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1945, TO PRESENT

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

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof: 1.5 AC., 100 FT. LAWN AND GARDEN

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: ELECTRIC PUMP AND PRESSURE TANK AT HOME

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: 10 FT.

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

10. The estimated amount of groundwater withdrawn each year: 27,000 G.A.

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

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

Signature of Owner: Stanley T. Gramm
Date: 1-1-1964

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. Edith or Herbert Laxley Jr. of Bozeman Montana

(Name of Appropriator) (Address) (Town)

County of Gallatin 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, Lawn and Garden irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: August 10, 1956, in constant use since

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 42 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: 3/4 acre lawn and garden, located in the SW 1/4 of

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: August 10, 1956

8. The depth of water table: 10 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: 99 ft. deep, drilled well with 6 inch casing

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

11. The log of formations encountered in the drilling of each well if available: Silts and Clays. Well finished in two feet of fine sands and gravels

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

Well drilled by VanDyken Well Drilling Company.

Signature of Owner

Date December 30, 1956

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.
1279

State of Montana
County of Gallatin

Filed 12-20-1993
at 11:55 a.m.

Carl Walton

By

Fee $25
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator) 1203 St. Church, Butte, Montana
(Address) (Town)

County of Flathead, State of Montana

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

2. The beneficial use on which the claim is based: Irrigation of land and livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1933, daily from March to October.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 300, 2,560, 000 cfs.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: About 100 acres, Sec. 13, T. 25 N., R. 40 W., Montana. Owner: Joe Lee Leeley.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: A well in field and a well in garden.

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

8. The depth of water table: 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: Garden well, 300 feet; 18-inch diameter, partly well filled, and equipped with a submersible pump, 300 feet, good water of about 21 feet. 200 feet, good pump.

10. The estimated amount of groundwater withdrawn each year: 300, 2,560, 000 cfs.

11. The log of formations encountered in the drilling of each well if available: Sand and 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: None applicable.

Signature of Owner: Joe Lee Leeley
Date: Dec. 30, 1963

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

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

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

Filed: Dec 30, 1963
at 9:27 o'clock AM.

By [Signature]
COUNTY CLERK & RECORDER

Fee $2.00 Pl.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. Wilbur w. Jahnke, (Address) (Town)
County of Gallatin, 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 before 1962: the cumulative use has been applied to a beneficial use.

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
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 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 Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

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.
State of Montana
County of Gallatin
Oct. 23, 1963
Filed 9:14 9 o'clock A.M.

Brad Wilson
COUNTY CLERK & RECORDER
By
Deputy

Fee $2.00
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **(Name of Appropriator)** [Name]
2. **(Address)** [Address]
3. **(Town)** [Town]

County of [County]
State of [State]

I, [Name of Appropriator], 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 School of Mines and Quadruplicate for the Appropriator.
State of Montana  
County of Gallatin  

Filed May 15, 1962 
at 7:15 o'clock P.M. 

Carl Walton  
COUNTY CLERK & RECORDER  

By:  

Fee $200.00
# MONTANA BUREAU OF MINES AND GEOLOGY

**Butte, Montana**

## WATER WELL LOG

**Owner:** Donald J. Reed  
**Address:** Bozeman, Montana

**Driller:** Dreyer Drilling  
**Address:** Bozeman, Montana

**Date Started:** May 13, 1960  
**Date Completed:** May 18, 1960

**Location:** Sec. 18, T. 2, R. 6 East 4 sec. S.E. 1  
**Lot 5 Lewis Subdivision**

### Type of well and Drilled Equipment used

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

### Water use

- Domestic [X]
- Municipal [ ]
- Stock [ ]
- Irrigation [ ]
- Industrial [ ]
- Drainage [ ]
- Other [ ]

### Casing

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type of Steel</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 84 ft.</td>
<td>Prime Steel</td>
<td>6.5/8&quot; O.D. 1.75 P.E.</td>
</tr>
</tbody>
</table>

### Perforated or Screened

<table>
<thead>
<tr>
<th>Ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Static Water level, for non-flowing well... 25 feet.

### Shut-in pressure, for flowing well...

- 150 lb. sq. in. on: (date)

### Pumping water level...

- 20 feet at 30 gal. per min.

### How tested...

- Step...

### Length of test...

- 1 hour

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

- Remarks...

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>4.5</td>
</tr>
<tr>
<td>4.5</td>
<td>6.7</td>
</tr>
<tr>
<td>6.7</td>
<td>8.2</td>
</tr>
<tr>
<td>8.2</td>
<td>9.2</td>
</tr>
<tr>
<td>8.2</td>
<td>9.2</td>
</tr>
<tr>
<td>9.2</td>
<td>9.2</td>
</tr>
</tbody>
</table>

Eight feet of open hole below casing.
Form No. 15
S-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner: George Roerdorf
Address: Bozeman, Mont.

Driller: VanDyken Drilling Co.
Address: Bozeman, Mont.

Date Started: Aug 23, 1960
Date Completed: Aug 25, 1960

Location: Sec. 13 T. 2 S R. 6 E ¼ sec. NE

Type of well: Drilled
Equipment used: Churn

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

Casing: 0 ft. to 17 ft. Type: Steel Size: 6"
Casing: __________ ft. to __________ ft. Type: __________ Size: __________
Casing: __________ ft. to __________ ft. Type: __________ Size: __________

Perforated or screened: __________ ft. to __________ ft. __________ ft. to __________ ft.

Type of screen or perforations: __________

Static water level, for non-flowing well: __________ Feet.
Saf-in pressure, for flowing well: __________ lb./sq. in. on: __________

Pumping water level: __________ feet at __________ gal. per min.

How tested: Bailed

Length of test: __________

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

(over)
<table>
<thead>
<tr>
<th>Depth</th>
<th>feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
<td></td>
</tr>
<tr>
<td>0</td>
<td>4</td>
<td>Tapial</td>
</tr>
<tr>
<td>4</td>
<td>25</td>
<td>Gravel</td>
</tr>
<tr>
<td>25</td>
<td>35</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>3.5</td>
<td>47</td>
<td>Clean Sand &amp; gravel</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237. Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment Used</th>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>(dug, driven, bored)</td>
<td>(Churn, drill, rotary)</td>
<td>Domestic</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Municipal</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Irrigation</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Industrial</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drainage</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stock</td>
</tr>
</tbody>
</table>

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>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; + 610</td>
<td>154 per Foot</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: __________ feet.

Shut-in Pressure for Flowing Well: __________ feet.

Pumping Water Level: __________ feet at __________ gal. per minute.

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

How Tested: __________ Length of Test: __________

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

Show exact depth of bottom.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the 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  
Address  

Date well started  NOV. 13/63  GW 1  
completed  NOV. 14/63  

Type of well  DRILLED  (Drill, driven, bored or drilled)
Equipment used  Cable tools.  
Water Use: Domestic  Municipal  Stock  Irrigation  

*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 Casing</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFONATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>5/8&quot; x 43</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
|               |                          |             |           | Static water level: 8 ft.
|               |                          |             |           | Pumping water level: 38 ft.
|               |                          |             |           | at 15 gallons per minute,
|               |                          |             |           | measured. 60 minutes after pumping began.

*Measured from ground level. 
Well developed by 1/2 hour. 
Power pump: HP. 
Remarks: (Gravel packing, cementing, packer, type of shutoff) 
WELL CUTTINGS SHUTOFF OUTSIDE OF CASING.

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

Driller's Signature  
Driller's Address  

BOLZANIA, MONTANA  LICENSE NO. 1  

Show exact depth of bottom
State of Montana
County of Gallatin
Filed June 30, 1977
at 9:45 A.M.
Carl L. Shack
County Clerk & Recorder
Resale of Bridge
Deputy
#3090
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Alfred and Frances Abelin Address: 798 S. Church Street Bozeman, Montana
Driller: Dug by Alfred Abelin & boys Address: Bozeman, Montana

Date Started: May 1942 Date Completed: July 1942
Location: Sec. 13, T. 36 N., R. 61 W.

Type of well: Dug Equipment used: Bucket & Winch

Water use: Domestic X Municipal Stock Irrigation X

Industrial □ Drainage □ Other: □

Casing: 4' Metal ft. to 10 ft.
Casing: 3' Metal ft. to 26 ft.
Casing: ft. to ft.

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

Type of screen or perforations:

Static Water level, for non-flowing well: 10 ft.

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

Pumping water level: ft. at gal. per min.

How tested: Water Meter

Length of test: Several one-minute tests. (over)

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

Top of well is cemented down seven feet with a cement floor, walls and top with an access hole in both the floor and top.

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' to 6'</td>
<td>Black dirt</td>
</tr>
<tr>
<td>6' to 12'</td>
<td>Sand and small gravel</td>
</tr>
<tr>
<td>12' to 26'</td>
<td>Gravel</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

**Owner:** Frances Alfred Abel
**Address:** 736 South Church Street, Butte, Montana

**Driller:** J. Clausin
**Address:** 736 South Church Street, Butte, Montana

**Date Started:** June 15, 1952
**Date Completed:** June 1952

**Location:** Sec 15, T. 5 S, R. 6 E

### Type of well
- **Casing:** 6.5 ft. to 15.5 ft. Type: Steel, Size: 2.5
- **Casing:** 15.5 ft. to 25.5 ft. Type: Steel, Size: 2.5
- **Casing:** 25.5 ft. to 35.5 ft. Type: Steel, Size: 2.5

### Perforated or Screened
- **Type of screen or perforations:**

### Static Water level, for non-flowing well:
- **Height:** 77 ft.

### Shut-in pressure, for flowing well:
- **Pressure:** 0 lb. sq. in.

### Pumping water level:
- **Height:** 17 feet at 280 gal. per min.

### How tested:
- **Method:** Field Test

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' - 12'</td>
<td>Black dirt</td>
</tr>
<tr>
<td>12' - 35'</td>
<td>Clay and gravel veins</td>
</tr>
<tr>
<td>35' - 92'</td>
<td>Clay and gravel mixture</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. DANL K. AYERS
   (Name of Appropriate)
   County of Gallatin
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   2. The beneficial use on which the claim is based for domestic use and irrigation of the yard site.

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

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   Upon a 5 acre tract about 500 feet south of the northwest corner of the Southwest Quarter of Section 19, Township 2 South, Range 5 East, M.P.M.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      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 1951

   8. The depth of water table 18 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 155 foot deep well with 6' casing and 2
      Gallvanized pipe

   10. The estimated amount of groundwater withdrawn each year 2,000,000 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 This declaration is made as an appurtenance to the above-mentioned property and not as an individual personal right.

   Signature of Owner
   Date December 30, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriate.
**Declaration of Vested Groundwater Rights**
(Under Chapter 237, Montana Session Laws, 1961)

1. **Grasne L. Hazel Baker**, at 1012 Key Lane, Bozeman, Mont.
   (Name of Appropriator)
   (Address)
   (Town)

2. County of **Gallatin**
   State of **Montana**

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

4. 

5. 

6. 

7. 

8. 

9. 

10. 

11. 

12. 

Signature of Owner: **Baker**

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.
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: Oral Bahmut
Address: Rt. 3, Boxman

Date well started: Dec 13, 1971
Date well completed: Dec 13, 1971

Type of well: Drilled
Equipment used: Cable tool

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 Drawn Well</th>
<th>Size and Grade of Packing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>MTR</th>
<th>Pumps</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 lb</td>
<td>2 ft above</td>
<td></td>
<td></td>
<td></td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>10 5/8</td>
<td>63 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 26 ft
Pumping water level: 60 ft
Gallons per minute: 30 gallons measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by: [Driller's Name]
Power: [Type and HP]
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Lot 2, Sour Dough Creek

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

Driller's Signature: [Signature]
Driller's Address: Route One, Boxman, Montana

Hulbert Drilling LICENSE NO. 47

Show exact depth of bottom.
State of Montana

County of Gallatin

Filed in the

County Clerk's Office on the 11th day of September, 1975

at 4:30 P.M.

Carl J. Studn

County Clerk & Recorder

By: Anita M. Welshman

Deputy

Fee $20.00
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.

STATE OF MONTANA - DRILLER'S LOG
ADM. NISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL


This form to be prepared by driller, and three copies to be filed from •
by the owner with the County Clerk and Recorder in the coi..r. in !
!.

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

Robert K. Blackwell
Owner
1004 W. Lincoln

Date well started: October 5, 1972

Date well completed: October 6, 1972

Type of well: Drilled

Equipment used: Churn Drill

Water Use: Domestic

*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</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>String</td>
<td>Weight of</td>
<td>(Feet)</td>
<td>(Feet)</td>
<td>Kind</td>
</tr>
<tr>
<td>6&quot;</td>
<td>5/8&quot; od</td>
<td>0.250</td>
<td>1.156</td>
<td>cutting</td>
</tr>
<tr>
<td>5/3</td>
<td>5/3 od</td>
<td>0.250</td>
<td>1.144</td>
<td>1.175</td>
</tr>
</tbody>
</table>

Static water level: 130 ft
Pumping water level: 120 ft
Pumping rate: 1,000 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)

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

Driller's Signature: G. Noble Contracting Company

Driller's Address: 2304 Darby Ave.

Custer, Montana 59731 LICENSE NO: 9

Top of Ground: (Give, above sea level) _______

<table>
<thead>
<tr>
<th>0'</th>
<th>1'</th>
<th>Top soil</th>
</tr>
</thead>
<tbody>
<tr>
<td>1'</td>
<td>10'</td>
<td>Clay-few shoulders</td>
</tr>
<tr>
<td>10'</td>
<td>60'</td>
<td>Sandy clay / gravel</td>
</tr>
<tr>
<td>60'</td>
<td>115'</td>
<td>Clay-traces of sand</td>
</tr>
<tr>
<td>115'</td>
<td>134'</td>
<td>Sandy clay / gravel</td>
</tr>
</tbody>
</table>
| 134' | 154' | Sand-water / 3 gr
| 154' | 172' | Clay |
| 172' | 175' | Sand gravel water / 12 |

175' Show exact depth of bottom
$3246

State of Montana  
County of Cascade  
Filed June 8, 1973
At 9:00 A.M.

Carl A. Stecky

By: Arnold R. Brogan

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

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

Date of Notice of Appropriation of Groundwater: Nov 12, 1961
Date Completed: Nov 20, 1961

Type of well: Drilled
Equipment Used: Churn Drill
(dig, driven, bored or drilled)

Water Use: Domestic [x] Municipal [ ] Other [ ] Irrigation [ ]

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

Static Water Level for non-flowing Well: 4 feet.

Shut-in Pressure for Flowing Well: 25 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well: [ ]

How Tested: Pump
Length of Test: 1/2 hrs.

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

This form to be prepared by driller, and three copies to be filled 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.
<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Aug., driven, or drilled)</td>
<td>(Churn, drill, rotary, other)</td>
<td></td>
</tr>
</tbody>
</table>

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

**Casing:**
- 40 ft. to 78 ft. Type: Steel  
- Size: 6 inch

**Perforated or screened:**
- 40 ft. to 68 ft. Type: None  
- Size: None

**Static water level, for non-flowing well:** 18 feet.

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

**Pumping water level:** 35 feet at 35 gal. per min.

**How tested:** bailer

**Length of test:** 30 minutes

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>78</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Sherry Cobb
Address: B

Driller: Dan Jones
Address: B

Date of Notice of Appropriation of Groundwater: July 30, 1962

Date well started: Aug. 1, 1962

Type of well: Drilled

Equipment Used: Drilled, rotary or other

Water Use: Domestic

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole (Feet)</th>
<th>Size and Weight of casing (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>60</td>
<td>6' 0&quot; x 10 / 10</td>
<td>From 0' 0&quot;</td>
<td>5' 7&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 4 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 5' 2" feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well:

Row Tested: Pump

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

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.
State of Montana  
County of Gallatin  

Filed: Sept 27, 1963
At: 4:25 p.m.

Carol Wallace
COUNTY CLERK & Recorder

By: 

Fee $25.00  

# 767
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 257, Montana Session Laws, 1961)

and Gertrude V.

Owner: Hugh C. Cotton
Address: Rte 52, Box 15-C

Driller: Donald C. Jones
Address: ________________________________

Date of Notice of Appropriation of Groundwater: May 7, 1963

Date completed: May 10, 1963

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

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>Size of Drilled Hole</th>
<th>Size and Weight of Cement</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/16&quot;</td>
<td>19 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>O.D.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 5 1/2 feet.
Shut-in Pressure for Flowing Well: 30 feet at 13 gal. per minute.
Discharge in gal. per min. of flowing well: ________________________
How Tested: Pump ________________________ Length of Test: 1 hour
Remarks: (Gravel packing, cementing; packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation): ________________________

Driller's License Number:
Donald C. Jones

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.
State of Montana
County of Gallatin

Filed October 30, 1963
at 4:10 P.M.

By: 
DEPUTY

Fee $.200 pd.
Water well Log

Owner: Irving E. Dayton
Address: Scudder Road, Bosman
Driller: Bert Van Dyke
Address: 403 N. Willard, Bozeman

Date Started: Oct 1, 1936
Location: Sec. 19 T., 28 R., 68 1/4 sec. 86 1/4 of W6 1/4

Type of well: Drilled
Equipment used: Above tools

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

Industrial [ ] Drainage [ ] Other [ ]

Casing: 0 ft. to 44 ft. Type: Prime steel Size: 4 5/8 OD
Casing: __________ ft. to __________ ft. Type: ______ Size: ______
Casing: __________ ft. to __________ ft. Type: ______ Size: ______

Perforated or screened: Ft. __________ to Ft. __________. Ft. __________ to Ft. __________

Type of screen or perforations: __________

Static water level, for non-flowing well: 18 feet.

Shut-in pressure, for flowing well: ___ lb./sq. in. on: ___

Pumping water level: 32 feet at 30 gal. per min.

How tested: bailer

Length of test: ______

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

No.
<table>
<thead>
<tr>
<th>Depth feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 3</td>
<td>soils</td>
</tr>
<tr>
<td>3 - 40</td>
<td>dirty sand and gravel</td>
</tr>
<tr>
<td>40 - 44</td>
<td>clean sand and gravel</td>
</tr>
</tbody>
</table>

Log of Well
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1-11-58</td>
<td>1-19-58</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. E.</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>E. E.</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dug</td>
<td>Churn Drill</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Dug</td>
<td>Churn Drill</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surfa. ft.</td>
<td>39</td>
<td>6&quot; 3D</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>35</td>
<td>12&quot;</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>shut in pressure</th>
<th>hours, gal. per min</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>10.5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(over)</td>
</tr>
<tr>
<td>Depth, feet</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>From</td>
</tr>
<tr>
<td>5 ft</td>
</tr>
<tr>
<td>16 ft</td>
</tr>
<tr>
<td>15 ft</td>
</tr>
<tr>
<td>22 ft</td>
</tr>
<tr>
<td>37 ft</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Annie May zipper</th>
<th>Address</th>
<th>Butte, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td></td>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Location:</td>
<td>Sec. 5. 6. 7. 8. 9, 10 sec.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dug, driven, bored, or drilled)</td>
<td>(Churn drill, rotary, others)</td>
</tr>
</tbody>
</table>

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

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

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

### Shut-in pressure, for flowing well: lb. sq. In. on: date

### Pumping water level: feet at gallons per min.

### How tested: ________________________

### Length of test: ________________________

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

---

(over)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Anthony F. Geis and Mary B. Geis
Husband and Wife (Appropriator)

County of Gallatin State of Montana

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

1. The beneficial use on which the claim is based: Household use plus lawn and garden irrigation.

2. The date or approximate date of earliest beneficial use and how continuous the use has been: Approximately March 1, 1947. Use has been continuous since that time.

3. The amount of groundwater claimed (in miner's inches or gallons per minute): Household use plus lawn and garden irrigation.

4. If used for irrigation, give the acreage and description of the lands to which water has been applied: Submerged Pump, 1/3 Acre, all located approximately 30 feet west, Southwest of the dwelling.

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Constructed Approximately March 1, 1947.

7. The estimated amount of groundwater withdrawn each year: Nominal Household Use plus lawn & garden irrigation.

8. The depth of water table: 26 feet.

9. The general specifications of any other means of withdrawal: Well 53 feet deep, 26 feet to water, 26 feet of water.

10. The log of formations encountered in the drilling of each well: Driller's log not available.

11. Such other information of a similar nature as may be useful in carrying out the policy of this act: None.

Signature of Owner

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 Missouri
County of:

December 26, 1933

Filed 12:55 P.M.

R.A. Harshman

By 2:00 P.M.

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

Owner: George J. Herman  Address: Bagmati, Mont.
Driller: Donald G. Jones  Address: Bagmati, Mont.

Date of Notice of Appropriation of Groundwater: July 34, 1962.
Date well started: July 21, 1962. Date Completed: July 26, 1962.

Type of well: Drilled.  Equipment Used: Churn Drill
(dug, driven, bored or 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, 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>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: fifty-three (53) feet.
Shut-in Pressure for Flowing Well: .
Pumping Water Level: 120 feet at 30 gal. per minute.
Discharge in gal. per min. of flowing well: .

How Tested: Pump.  Length of Test: 1/2 hour.
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

17

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.