STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

John N. Root Sr., of Route 11, Bozeman
(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.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
Dec. 1953 and continuous since

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

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.
December 1953

8. The depth of water table
6 feet

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

10. The estimated amount of groundwater withdrawn each year. No record

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

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

Signature of Owner:

Date: Dec 24, 1963

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

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

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

Filed: December 27, 1963
at 11:36 o'clock A.M.

EARL WALTON
COUNTY CLERK

Fee $2.00 pd
# WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>John William Franklin Schaefer</th>
<th>Address</th>
<th>Belgrade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td></td>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td>Jan 5, 1897</td>
<td>Date Completed</td>
<td>Feb 15, 1897</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 15 T 1 S. R 4 E. 1/4 sec.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td>Dug</td>
<td>Equipment used</td>
<td>Pick &amp; Shovel</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic X</td>
<td>Stock X</td>
<td>Irrigation X</td>
</tr>
<tr>
<td></td>
<td>Municipal □</td>
<td>Industrial □</td>
<td>Drainage □</td>
</tr>
<tr>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>to ft.</td>
<td>Ft. to Ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>5 ft.</td>
<td>feet</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>4 ft. to 41 ft.</td>
<td>feet at</td>
<td>20 gal. per min</td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Log curbing for liner in well:**

[Signature]

STATE ENGR.
### Log of Well

<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>Surface</td>
<td>41 ft. Soil and Gravel</td>
</tr>
</tbody>
</table>

---

Gallatin County, State of Montana

Filed December 27, 1999

10:47 A.M.

Earl Walton

County Clerk & Recorder

By: L.R. Carroll

Fee: $2.00 RD
### WATER WELL LOG

**Owner:** John William Franklin Schafer  
**Address:** Belgrade

**Driller:**  
**Address:**

**Date Started:** June 1, 1887  
**Date Completed:** June 15, 1887

**Location:** Sec. 15 T. 1 S. R. 4 E.  
**Sec:** 14 
**Township:** 1 S.  
**Range:** 4 E.  
**Section:** 15

**Type of well:** Dug  
**Equipment used:** Pick & Shovel

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

**Industrial**  
**Drainage**  
**Other:**

**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:** 10 ft.  
**feet**

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

**Pumping water level:** 5 ft. to 3 ft.  
**feet at:**

**gal. per min.:** 20

**How tested:** Electric Pump (Timed)

**Length of test:** Half Hour

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

Well is lined with cement blocks

---

**State Engineer**

---

(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>Surface</td>
<td>31'</td>
</tr>
<tr>
<td></td>
<td>Sand and Gravel</td>
</tr>
</tbody>
</table>

*Fee $3.25*
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Francis Armstrong
Address: Bozeman
Driller: M.E. Jones
Address: Bozeman

Date of Notice of Appropriation of Groundwater: Nov. 13, 1963
Date well started: Dec. 23, 1963
Date completed: Nov. 14, 1963

Type of well: Drilled
Equipment Used: Churn Drill
(dug, driven, bored or (Churn, drill, rotary 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.

Static Water Level for non-flowing Well: 2.4 feet
Shut-in Pressure for flowing Well: 0 feet
Pumping Water Level: 40 feet at 3.0 gal. per minute.
Discharge in gal. per min. of flowing well: N

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)

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
County of Gallatin

Filed April 20, 1965
at 2:30 o'clock P.M.

CARL L. STUCKY
COUNTY CLERK & RECORDER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
</table>

County of _______ State of Montana

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

1. The beneficial use on which the claim is based: 
   - Irrigation of livestock and gardens

2. Date or approximate date of earliest beneficial use; and how continuous the use has been since it was first used:
   - 1940 to 1964

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

4. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof:
   - Acreage: 10 acres

5. The depth of water table: 
   - 20 feet

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - 1960 to 1964

8. The depth of water table:
   - 20 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:
   - Depth: 100 feet

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

11. The log of formations encountered in the drilling of each well if available:
    - Log: 100 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:
    - Reference: Book X, Page 123

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". Exclude 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.

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 work 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; 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)

David A. + Florence Spalding
(Name of Appropriator)  
Rd # 1  
Bozeman  
(Address)  
(Town)

County of Gallatin  
State of Montana

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

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been:  
   About 1917  
   Contmt

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

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

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:  
   1947

8. The depth of water table:  
   10 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:  
   dug 12 inch casing  
   Depth 30 ft

10. The estimated amount of groundwater withdrawn each year:  
   75,000 gal per 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, 1951)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Henry A. Fedder &amp; Neal Fedder</td>
<td>Route 1, Manhattan</td>
<td></td>
</tr>
<tr>
<td>County of Gallatin</td>
<td>State of Montana</td>
<td></td>
</tr>
</tbody>
</table>

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

2. The beneficial use on which the claim is based: Domestic and cattle

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 60 gallons

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:
   - 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

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

8. The depth of water table: Varies

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   - 6-inch casing, 40 feet deep

10. The estimated amount of groundwater withdrawn each year: 21,900 gallons

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

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

Signature of Owner: 

Date: December 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  
County of Gallatin  

Filed 9-7-1963  

at 10 A.M.  

COUNTY CLERK & RECORDER  

By  

DEPUTY  

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

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lloyd Frikema</td>
<td>R. I.</td>
<td>Malta</td>
</tr>
</tbody>
</table>

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 for Home use and Family farm.

3. Date or approximate date of earliest beneficial use; and how continuously has been in use since 1915.

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: Lloyd Frikema
Date: 12-27-63

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

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

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

Filed December 27 1963
at 3:36 o'clock A.M.

EARL HILTON
COUNTY ATTORNEY

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

NAME OF APPROPRIATOR: M. L. Hutchison
ADDRESS: Route 1, Bozeman
TOWN: Gallatin
CITY: State of Montana

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

2. The beneficial use on which the claim is based: domestic, household, and stock water.

3. Date or approximate date of earliest beneficial use; and how continuously the use has been
   Stock Use - Irrigation
   Since 1947

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   Tract 43
   Sec. 17.15. R. 4 E
   Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Well Pump - House - Base - ment
   Indicates point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

8. The depth of water table: 40 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 40 ft, well

10. The estimated amount of groundwater withdrawn each year: 90,000 gallons

11. The log of formations encountered in the drilling of each well if available: none

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

   Signature of Owner: M. L. Hutchison
   Date: June 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.
State of Montana
County of Gallatin

File: 12-30
at 1:00 o'clock P.M.

Earl Johnston

Thoma Paskett

Notary Public
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Name of Appropriator:** Peter Rose  
**Address:**  
**Town:** Manhattan  
**County:**  
**State:** Montana

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

### 1. **Location**

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Each small square represents 10 acres.

### 2. **Beneficial Use**

Domestic

### 3. **Date and Duration of Beneficial Use**

1905 - 1919

### 4. **Amount of Groundwater Claimed**

8 gallons

### 5. **Irrigation Details**

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. **Means of Withdrawal**

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

**Electric motor and pump pack**

### 7. **Date of Construction**

1905 - 1910

### 8. **Depth of Water Table**

160'

### 9. **Specifications of Wells**

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. **Estimated Annual Withdrawal**

7,500,000,000 gallons

### 11. **Formation Log**

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

### 12. **Additional Information**

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: Peter Rose  
Date: 12/12/70

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  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

Mrs. Henry Trienstra  
of Manhattan  
Montana

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: from well used for domestic purposes and to water stock and irrigation of garden

3. Date or approximate date of earliest beneficial use; and how continuous: 1935, and has been in continuous use ever since

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 120 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 Garden and lawn located in SE_ Sec. 18, T18S., R4E, M.F.F., Gallatin County, Montana

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1936

8. The depth of water table 20 to 30 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4” steel casing, 30 feet in depth

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 top soil 4 - 5 feet; gravel 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

Signature of Owner  
Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; and quadruplicate for the Appropriator.
State of Montana
County of Gallatin

Filed: March 18, 1953
At 10 o'clock A.M.

Gael Houston
Clerk of the Court

By:

Feb 8, 19__
Certificate
**Water Well Log**

**Owner**: John Nickerson  
**Address**: Manhattan

**Driller**: Charles Whetstone  
**Address**: Manhattan

**Date Started**: 1919  
**Date Completed**: 1919

**Location**: Sec. 19 T. 15 R. 4E 1/4 sec. 9 NW

---

**Type of well**  
- **Equipment used**: Drill

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

**Casing**:  
- 12.5 ft. to ______ ft.  
  - Type: Steel  
  - Size: 6 in
- ______ ft. to ______ ft.  
  - Type:  
  - Size: 
- ______ 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.

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

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

**How tested**: 

**Length of test**: 

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

---

(over)
Form No. 18

T. 15 S
R. 45 E

County Belt

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

Water Well Log

Owner John Weidner
Address Manhattan

Driller Charlie White
Address Manhattan

Date Started 1918
Date Completed 1919

Location: Sec. 18 T. 15 R. 45 E 1 1/4 sec. 541 1/4

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

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

Casing: 45 ft. to __________ ft. Type __________ Size 6 in
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.

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

Pumping water level __________ feet at __________ gal. 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)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harold for Southern Kissim</td>
<td>R.R.1</td>
<td>Manhattan</td>
</tr>
</tbody>
</table>

County of: Hallatin
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:
   - Dairying
   - Grazing
   - Irrigation

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

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

5. If used for irrigation, give the area and description of the lands to which water has been applied and name of the owner thereof:
   - Farm 14 acres

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: August 1950

8. The depth of water table: 111 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:
   - 111 ft deep
   - 10.7 ft of casing
   - 77 ft of casing

10. The estimated amount of groundwater withdrawn each year: 1000.50 c

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: 12/31/63

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

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

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

Filed 12-30-1963  
at 1:49 o'clock P.M.  

Earl Wilson  
County Clerk & Recorder  
By: Donald Johnson  
Deputy  

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

(Under Chapter 237, Montana Session Laws, 1961)

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

Owner: **MILBUR ALLEN**  
Address: **MANHATTAN, MONTANA**

Date of Notice of appropriation of ground water: **June 15/66**

Date well started: **June 15/66**  
Date Completed: **June 30/66**

**Type of well:** Drilled  
**Equipment used:** Reverse rotary drill (drill, rotary or other)

**Water use:** Domestic, Municipal, Stock, Irrigation, Industrial, Drainage, Other

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

**Static Water Level for non-flowing well:** 66 ft

**Shut-in Pressure for Flowing Well:** None

**Pumping Water Level:** 800 ft

**Discharge in gal. per min. of flowing well:** None

**How Tested:** Turbine test pump

**Length of Test:** 3 hrs

**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)

**16" casing is packed with screened gravel.**

**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 School of Mines and Quadruplicate for Appropriator.
State of Montana

County of Gallatin

Filed August 8, 1966 at 11:30 o'clock A.M.

Carl L. Steig

County Clerk & Recorder

By: Earl W. Hahn

County

Fee $ 20.75
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

We, Henry Veltkamp & Catherine Veltkamp, of _____, Gallatin County, 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—
   for domestic use and watering of stock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been—since approximately 1905.
   Use has been continuous since that time.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof—__ does not apply.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal—
   a well with an electric pump located approximately 660' E of the center line of Sec. 19, T19 S, R4 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater—well constructed in approximately 1905.

8. The depth of water table—25' to water, 80' in 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—well is 4' casing and water is withdrawn by means of an electric pump.

10. The estimated amount of groundwater withdrawn each year—three million gallons per year.

11. The log of formations encountered in the drilling of each well if available—
    no log of formations 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—
      does not apply.

Signature of Owner: Henry Veltkamp
Date: March 26, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
State of Missouri

County of 

APRIL 2, 1927

Filed 12:45 P.M.
at

EARL WHITE

JOHN W. MERRITT
Clerk of Court, Ex-Officio

By 2.00

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

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

1. Bernard Benson
   (Name of Appropriator)
   Route 1
   Bozeman
   (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: Household, livestock and irrigation

   3. Date or approximate date of earliest beneficial use: January 1, 1950 - Continuous

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): Household 10 to 60 g.p.m. plus adequate but unknown amount for livestock 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:

   45 acres - North Side of farm as sketched - Bernard Benson

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawing stationary and portable pumps located at water sources now existing on said acres:

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

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

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

   Signature of Owner: Bernard Benson
   Date: 12/30/63
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Virgil Benson
(Name of Appropriator) (Address) (Town)
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: livestock, irrigation and sub-irrigation
   Date or approximate date of earliest beneficial use; and how continuous the use has been: 1666-continuous

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

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

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

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

7. The depth of water table: Variates with location; from one half foot above to four feet below the surface

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

9. The estimated amount of groundwater withdrawn each year: unknown

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

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

Signature of Owner

Date 11/30/63

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

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

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

December 30

M. 1963 A

EARL WALKER

By

Fee $9,200
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Matt Lee Estate</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Declaration of Matt Lee Estate, according to the Montana laws in effect prior to January 1, 1932, as follows:

1. The beneficial use on which the claim is based: **Domestic, livestock and irrigation**

2. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - (1) 1890 - continuous since
   - (2) 1915 - continuous since
   - (3) 1920 - continuous since

3. The amount of groundwater claimed (in miner's inches or gallons per minute): **50 gallon per minute each well**

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - (1) 60 ft, steel casing 8" deep, cased with 8" steel casing
   - (2) 35 ft, steel casing 8" deep, cased with 8" steel casing
   - (3) 50 ft, steel casing

6. The estimated amount of groundwater withdrawn each year: **2,000,000 gal. each well**

7. The log of formations encountered in the drilling of each well if available: **None**

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

Signature of Owner:  
Date: **December 30, 1963**

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

Filed 12-30-1963 at 11:58 A.M.

Earl Walton
County Clerk & Recorder

Thomas Todd
Deputy

Fee $2.00
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962

(Date of Appropriation after January 1, 1962)

Type of well Drilled Equipment used Churn
(Dee, driven, bored or drilled) (Churn drill, rotary or other)

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

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

---

Static Water Level for non-flowing well

Shut-in Pressure for Flowing well
Pumping Water Level
Discharge in gal. per minute
How Tested
Length of Test
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

(Continue on reverse side)

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

Driller's License Number
42-537

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
State of Montana
County of Gallatin

Filed: November 13, 1991
at 12:15 o'clock P.M.

And C. Stevens
County Clerk & Recorder

By: Deputy
Fee $7.00
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

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

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

Industrial [ ] Drainage [ ] Other [ ]

Casing: __ ft. to __ ft. Type __ Size __ ft. dia.

Casing: __ ft. to __ ft. Type __ Size __ ft. dia.

Casing: __ ft. to __ ft. Type __ Size __ ft. dia.

Perforated or screened: __ ft. to __ ft. __ ft. to __ ft.

Type of screen or perforations

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

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

Pumping water level __ feet at __ 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 - 15</td>
<td>Sand - gravel</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

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

State of Montana
Administrator of Groundwater Code
State Water Conservation Board

Driller: Harold Balter
Address: R.P. Box 426

Date of Notice of completion of groundwater appropriation: Dec 27, 1967
Date of Notice of appropriation of groundwater: Dec 23, 1967
Date completed: Dec 27, 1967

Type of well: Drilled
Equipment used: churn

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

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

---

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

---

Driller's License Number

Driller's Signature
State of Montana  
County of Gallatin  
Filed December 28, 1967  
at 7:10 o'clock A.M.  

Carl S. Stueby  
Custody Clerk & Recorder  
By: Leopold Z. Muller  
Deputy  

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

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

FRANK W. MENGEL
(Name of Appropriator)

County of GALATIN
(County)

Address of GALATIN
(State of 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: HOUSE AND
   GARDEN WATER.

3. Date or approximate date of earliest beneficial use; and how con-
   tinoous the use has been: OCT. 17, 1935.

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

5. If used for irrigation, give the acreage and description of the lands
   to which water has been applied and name of the owner thereof:
   GARDEN 40X80 FT. AND McCULLOUGH.

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

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

8. The depth of water table: 5 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: WELL, 1/2 DRIVEN 2 INCH PIPE.

10. The estimated amount of groundwater withdrawn each year: 12,500 GALS.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including
   reference to book and page of any county record: NOT KNOWN.

Signature of Owner: FRANK W. MENGEL
Date: DEC. 16, 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 13, 1963  
at 150 o'clock M.  

By  
DEPUTY  
Fee $  

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

Name of Appropria -

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: -

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

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

1. (Name of Appropriator) (Address) (Town)
County of _____________________________ State of Montana
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
Pasture

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
1875 to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 320 inches

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
No irrigation well to date — only domestic well

8. The depth of water table
4 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
None

10. The estimated amount of groundwater withdrawn each year
Sub-irrigates

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

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

Signature of Owner

Date December 26, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the 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)

<table>
<thead>
<tr>
<th>Genevieve Bemps Moore Estate of</th>
<th>Montana, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>County of</td>
<td>State of</td>
</tr>
<tr>
<td>Gallatin</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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: Features

2. Date or approximate date of earliest beneficial use: 1970 to date

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 320 inches

4. If used for irrigation, the acreage and description of the lands to which water has been applied: 310.87 acres - Genevieve B. Moore Estate.

5. The means of withdrawing such water from the ground: Sub-irrigation

6. The depth of water table: 4 feet

7. The log of formations encountered: Not available

8. The estimated amount of groundwater withdrawn each year: Sub-irrigation

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

10. The log of formations encountered in the drilling of each well: None - only domestic well

11. The log of formations encountered in the drilling of each well: None

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

Genevieve Bemps Moore Estate

Signature of Owner: 

by: Chas. Vandenhook, Jr. - Agent

Date: December 26, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Form No. 18
S-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water well Log

Owner

Address

Driller

Address

Date Started

Date Completed

Location: Sec. 24 T. 15 R. 4E 1 sec.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Drill, cement, or similar)</td>
</tr>
</tbody>
</table>

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

Industrial [ ] Drainage [ ] Other [ ]

Casing: [ ] ft. to [ ] ft. Type [ ] Size [ ]

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.

Shut-in pressure, for flowing well: [ ] lb./sq. in. on [date]

Pumping water level at [ ] feet at [ ] gal. per min.

How tested [ ]

Length of test [ ]

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

(over)
Form No. 18

<table>
<thead>
<tr>
<th>T.</th>
<th>R.</th>
<th>Location</th>
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</thead>
<tbody>
<tr>
<td>15</td>
<td>4E</td>
<td>sec. 26 1/2</td>
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</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>Gordon L. Ferguson</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>217, Box 239</td>
</tr>
<tr>
<td>Driller</td>
<td>Address Ferguson Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
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<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
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</thead>
<tbody>
<tr>
<td>(Bore, driven, or drilled)</td>
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</tr>
<tr>
<td>(Bore, driven, reamed, other)</td>
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<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
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<thead>
<tr>
<th>Casing:</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
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<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Perforated or screened:</th>
<th>Ft. to</th>
<th>Ft.</th>
<th>Ft. to</th>
<th>Ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static water level, for non-flowing well:</th>
<th>feet</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>lb./sq. in. on:</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>How tested:</th>
<th>Etc.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>3/4</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
</table>

Notes: (Note any comments regarding the test)
Form No. 1.5
S-60

Montana Bureau of Mines and Geology
Butte, Montana

Water well log

Owner: ____________________________ Address: ____________________________

Driller: ____________________________ Address: ____________________________

Date Started: ____________________________ Date Completed: ____________________________

Location: Sec. 14 T. 15 R. 4E 1 sec. 8E

Type of well: ____________________________ Equipment used: ____________________________

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

Casing: _____ ft. to ____ ft. Type: ______ Size: ______

Casing: _____ ft. to ____ ft. Type: ______ Size: ______

Casing: _____ ft. to ____ ft. Type: ______ Size: ______

Perforated or screened: Pt. 30 to ft. 50. Ft. ______ to ft. ______

Type of screen or perforations: ____________________________

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

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

Pumping water level: ______ feet at _______ gal. per min.

How tested: ____________________________

Length of test: ____________________________

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

(over)
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Form No. 15
3-60

Owner

Driller

Date Started

Date Completed

Location: Sec. 24 T. 15 R. 4E § sec. 8E

Type of well

Equipment used

Water use

Industrial

Drainage

Other

Casing: 0 ft. to 50 ft. Type ______ Size ______

Casing: ______ ft. to ______ ft. Type ______ Size ______

Casing: ______ ft. to ______ ft. Type ______ Size ______

Perforated or screened: Ft. 30 ft. to ft. 50 ft. Ft. ______ to ft. ______

Type of screen or perforations

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

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

Pumping water level ______ feet at 750 gal. per min.

How tested:

Length of test ______

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

[Handwritten note: This well was penetrated with the water level varying from 7 ft. to 36 in. depth]