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

(Name of Appropiator) (Address) (Town)

County of — State of —

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: Sustainable ground irrigation.

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

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

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

5. The depth of water table from surface to limited depth:

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, and if drilled in 1947:

8. The depth of water table from surface to unlimited 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:

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 The estimated amount of groundwater withdrawn each year: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: June 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.

Three copies to be filed by the owner with the County Clerk and Recorder; Duplicate to the State Engineer; Triplet to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
State of Montana
County of Gallatin

Filed: Dec. 26, 1967
at 10:50 o'clock A.M.

Carol Watson
Judge Clerk & Recorder

By: [Signature]

Fee $ 2.00
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Davy Vogel, Jr. Address: Bozeman
Driller: M. E. Sands Address: Bozeman
Date of Notice of Appropriation of Groundwater: Nov. 27, 1964
Date well started: Nov. 27, 1964 Date Completed: Nov. 29, 1964
Type of well: Dug well 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>Strata Met With</th>
<th>Thickness</th>
<th>Height Water Rises</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Clay</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 10 feet.
Shut-in Pressure ft.: Flowing Well: 29 feet
Pumping Water Level: 29 feet at 30 gal. per minute.
Discharge in gal. per min. of flowing well: 29 gal.
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)

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

Show exact depth of bottom.

Driller's License Number
M. E. Sands
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.
Gallatin County, }
State of Montana, } 1st
Filed. _______ December 28, 64
at 4:20 o'clock P. M.

CARL L. STUCKY
COUNTY CLERK & RECORDER

By: ____________________________
DEPUTY

Fee $2,00 pd.
Form No. 18

STATE ENGINEER
1205 Hillside Lane,
Bozeman, Montana

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

---

Owner                  Address
David Vogel, Sr.       Bozeman, Montana

Driller                Address
Self                   same

Date Started           Date Completed
May 15, 1943          June 6, 1943

Location: Sec. 15 T. 18 R. 6 E 1 sec. 5SW1/4

---

Type of well          Equipment used
Dug 23 feet deep      By hand

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

Casing: 48" ft. to 8 ft. ft. Type Corg. Galv. Size at top
Casing: 24" ft. to 14 ft. ft. Type Corg. Galv. Size at bottom
Casing:               ft. to               ft. Type               Size

Perforated or screened: Ft. 3 ft. to Ft. to
Type of screen or perforations: 1/2 inch holes—no screen

Static water level, for non-flowing well: (June 6, 1943) five feet.
Shut-in pressure, for flowing well: 45 lb./sq. in. on: June 6, 1943
in tank

Pumping water level: 5 feet at 10 gal. per min.

How tested: Used 60 gal. barrel, 600 gal. per hour

Length of test: One hour

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

Dug wells, ten feet black dirt and clay, twelve feet course gravel.

Bottom will five ft. boulders, the next 9 feet course gravel, the eight feet open 48 inches in diameter.
<table>
<thead>
<tr>
<th># 214</th>
<th>Gallatin County, State of Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>December 11, 1961</td>
</tr>
<tr>
<td></td>
<td>1:40 P.M.</td>
</tr>
<tr>
<td></td>
<td>EARL MILTON</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>By [Signature]</td>
</tr>
<tr>
<td></td>
<td>4-60 P.M.</td>
</tr>
<tr>
<td>Type of well:</td>
<td>DUG</td>
</tr>
<tr>
<td>-------------</td>
<td>-----</td>
</tr>
<tr>
<td>Equipment used:</td>
<td>HAND</td>
</tr>
<tr>
<td>Water use:</td>
<td>Domestic</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>( \text{ft. to 20 ft.} )</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>( \text{ft. to ft.} )</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>( \text{ft. to ft.} )</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated or screened:</td>
<td>Ft. to Ft.</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td></td>
</tr>
<tr>
<td>Static water level, for non-flowing well:</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq.in. on:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>( \text{feet at 500} ) gal./min.</td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>Gravel packing, cementing, packers, type of shut-off, depth of shut-off</td>
</tr>
</tbody>
</table>

(over)
Form No. 18  
8-60

T. 1S  
R. 6 E

County: Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

STATE ENGINEER

Water Well Log

Owner: Edward H. Vogel  
Address: Bozeman, Montana

Driller:  
Address:

Date Started:  
Date Completed: 1865

Location: Sec. 32 T. 1S R. 6 E  
Sec. __  
Sec. __

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

Water use:  
Domestic  
Municipal  
Stock  
Irrigation  
Industrial  
Drainage  
Other

Casing:  
Type  
Size

Casing:  
Type  
Size

Casing:  
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:  
LAB AND

Length of test:  
1 HR.

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

(over)
<table>
<thead>
<tr>
<th>#</th>
<th>175</th>
</tr>
</thead>
<tbody>
<tr>
<td>G. Coon County,</td>
<td>Ass.</td>
</tr>
<tr>
<td>File</td>
<td>Feb 27, 1961</td>
</tr>
<tr>
<td>Date</td>
<td>11:52 A.M.</td>
</tr>
<tr>
<td>County Clerk &amp; Recorder</td>
<td></td>
</tr>
<tr>
<td>By</td>
<td>Linda F. Kellogg</td>
</tr>
<tr>
<td>Fee</td>
<td>$1.25</td>
</tr>
</tbody>
</table>
Montana Bureau of Mines and Geology

Water Well Log

Owner: Edward W. G. E.
Address: Bozeman, Mont.

Driller Address:
Date Started: Date Completed: 1902
Location: Sec. 32, T. 15 R. 46 E

Type of well: DUG Equipment used: HAND

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

Casing: 3. ft. to ft. Type: TILE Size: 1-1/4

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: feet at 5 gal. per min.

How tested: HAND

Length of test: 24 HRS

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

Mount Baldy Buck Mt. Site 47.

(over)
Galloway County, I ss.
State of New J oseph 1261
Filed: Dec. 27, 1961
at 11:58 a.m.

By: Deputy

Fee $ 1.00
### Notice of Completion of Groundwater Appropriation by Means of Well

**Developed After January 1, 1962**

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

**Owner:**
W. Glenn & Okarche M. /OLEL

**Address:**
Bosman, Montana

**Driller:**
Donald C. Jones

**Address:**
Bosman, Mont.

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

**Date well started:** Sept. 30, 1967  
**Date completed:** Sept. 30, 1967

**Type of well:** Drilled  
**Equipment used:** Churn Dril

**Water use:** Domestic ☑  
Municipal ☐  
Stock ☐  
Irrigation ☐  
Industrial ☐  
Drainage ☐  
Other ☐

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

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size and</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Weight of Core</td>
<td>(Foot)</td>
<td>(Foot)</td>
</tr>
<tr>
<td>Core</td>
<td>6 in.</td>
<td>23 ft. below Ground</td>
<td>33 ft.</td>
</tr>
</tbody>
</table>

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

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

6 feet.

**Shut-in Pressure for Flowing Well**

Fill in.

**Pumping Water Level**

3 ft.  
at 25 gal. per minute.

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

Fill in.

**How Test**

**Length of Test**

Fill in.

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

Fill in.

**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**

Fill in.

**Driller's Signature**

Fill in.

---

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, thinned 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 ss.
Filed Nov. 30, 1967 at 1:45 o'clock p.m.
Carl F. Stueck
Clerk of Court & Recorder
By
Fee $ 1.00
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Richard Wall</th>
<th>Address</th>
<th>Butte, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>M.E. Jones</td>
<td>Address</td>
<td>Helena</td>
</tr>
<tr>
<td>Date Started</td>
<td>April 17, 1958</td>
<td>Date Completed</td>
<td>April 30, 1958</td>
</tr>
<tr>
<td>Location Sec.</td>
<td>T15R6E Sec.</td>
<td>Location</td>
<td>N1/2 of SW1/4 of SE1/4</td>
</tr>
</tbody>
</table>

Type of well: Drilled  
Equipment used: Churn Drill

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

Casing: Surface ft. to 95 ft.  
Type: Steel Pipe  
Size: 6" I.D.

Casing: ft. to ft.  
Type: Size

Casing: ft. to ft.  
Type: Size

Perforated or Screened: Ft. 65 to Ft. 70  
Type of screen or perforations: Made with Perforator Which Shoots Pipe

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

Shut-in pressure, for flowing well: 20 lb./sq. in. on: (date)

Pumping water level: 107, 95, 70 feet at 5 gal. per min.

How tested:  
Length of test: 1 Hour

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>Surface</td>
<td>Top Soil &amp; Clay</td>
</tr>
<tr>
<td>10' - 35'</td>
<td>Coarse Gravel</td>
</tr>
<tr>
<td>35' - 39'</td>
<td>Clay &amp; Gravel</td>
</tr>
<tr>
<td>39' - 72'</td>
<td>Gravel</td>
</tr>
<tr>
<td>72' - 78'</td>
<td>Clay &amp; Gravel</td>
</tr>
<tr>
<td>78' - 95'</td>
<td>Gravel</td>
</tr>
<tr>
<td>95' - 100'</td>
<td>Clay</td>
</tr>
<tr>
<td>100' - 102'</td>
<td>Gravel &amp; Sand</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)

(Name of Appropiator) (Address)

County of Saline

The beneficial use on which the claim is based: 


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

APRIL 1959 AND IN CONTINUOUS USE

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

15 GALLONS PER MINUTE

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:

1 ACRE

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

6" WELL SUBMERSIBLE PUMP

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

APRIL 1959

7. The depth of water table: 

11 FEET

8. The estimated amount of groundwater withdrawn each year: 

900,000

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

C-9 Silt, Clay
G-72 Sand and gravel

10. 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:

HOUSE AND LOT RECORDED

WITH COUNTY ASSessor

STILL WILLEN

Date: 12/31/43

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 Appropiato.
State of Montana  
County of Gallatin  

Filed  March 31, 1963  
at  2:19 p.m.  

Earl Malon  
COUNTY CLERK & RECORDER  

By  

Em: 2-NC  
RECEIVED  
1963  


**Form No. 8-60**

**T. 15 R. 6E**

**County: Gallatin**

---

**MONTANA BUREAU OF MINES AND GEOLOGY**  
**Butte, Montana**

---

**Owner:** Forrest J. Yale  
**Address:** 1505 Hillside Lane  
**Driller:** M. R. Jones  
**Address:** Bowser, Montana  
**Date Started:** May 24, 1960  
**Date Completed:** May 27, 1960  
**Location:** Sec. 32 T. 15 R. 6E 1/2 sec. 5W

---

**Type of well:** Drilled  
**Equipment used:** Down Drill  
**Water use:** Domestic [x]  
**Casing:** Surface ft. to 60 ft. Type Well Size 6 x 8 O.: 15 ft.

---

**Perforated or screened:** Ft. 15 to ft. 15. Ft. 15 to ft. 15.

---

**Static water level, for non-flowing well:** 12 feet.

---

**Shut-in pressure, for flowing well:** 50 lb./sq. in. on: (date)

---

**Pumping water level:** 60 feet at 15 gal. per min.

---

**How tested:** (over)

---

**Length of test:** 2 hours

---

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

---

(over)
<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>8ft.</td>
<td>22ft.</td>
<td>Topsoil &amp; Clay</td>
</tr>
<tr>
<td>8ft.</td>
<td>22ft.</td>
<td></td>
<td>Gravel</td>
</tr>
<tr>
<td>22ft.</td>
<td>30ft.</td>
<td></td>
<td>Tight sand</td>
</tr>
<tr>
<td>30ft.</td>
<td>31ft.</td>
<td></td>
<td>Fine gravel</td>
</tr>
<tr>
<td>31ft.</td>
<td>38ft.</td>
<td></td>
<td>Tight sand</td>
</tr>
<tr>
<td>38ft.</td>
<td>39ft.</td>
<td></td>
<td>Fine gravel</td>
</tr>
<tr>
<td>39ft.</td>
<td>46ft.</td>
<td></td>
<td>Tight sand</td>
</tr>
<tr>
<td>46ft.</td>
<td>48ft.</td>
<td></td>
<td>Fine gravel</td>
</tr>
<tr>
<td>49ft.</td>
<td>60ft.</td>
<td></td>
<td>Tight sand</td>
</tr>
<tr>
<td>60ft</td>
<td></td>
<td></td>
<td>Fine gravel &amp; sand</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Alan Zetler, et al. 
Address: Bozeman, Montana

Driller: M.E. Jones 
Address: Bozeman, Montana

Date of Notice of Appropriation of Groundwater: 6-21-62
Date Well Started: 6-23-62
Date Completed: 6-26-62

Type of Well: Drilled 
Equipment Used: Churn Drill
(submitted, bored or rotary)

Water Use: Other 

Clay

Gravel with Clay

Clay

Gravel and Sand

Gravel and Sand

Show exact depth of bottom.

One Acre = 320 An

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

Static Water Level for non-flowing Well: 
Shut-in Pressure for flowing Well:

Pumping Water Level: 10 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Pump
Length of Test: 2 hours

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

Pitless adapter used 5 feet below top of casing. Well seal used at top of casing.

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 Approprietor.
State of Montana  
County of Gallatin  

Filed July 12, 1962 at 10:30 o'clock A.M.

EARL WALTON  
COUNTY CLERK & RECORDER

By JAMES A. WAGNER  
DEPUTY

Fee $2.00 pd.

#514
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Miranda A.B. Jr. Address: 213 W. 2nd St., Ronan, Mont.
Driller: Donald C. Jr. Address: 201 W. 2nd St., Ronan, Mont.

Date of Notice of Appropriation of Groundwater: May 21, 1962
Date well started: May 21, 1962

Type of well: Drilled
Equipment Used: Drill

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

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

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

Static Water Level for non-flowing Well: 6 feet
Shut-in Pressure for Flowing Well:
Pumping Water Level: 46 feet at 60 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: Pressure
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).

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.

Driller's License Number

Driller's Signature
State of Montana
County of Gallatin

Filed July 5, 1962
at 8:15 A.M.

Earl Walton
COUNTY CLERK & RECORDER

By: Earl A. Maas
Deputy

Fee $1.00
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: 1959

Owner: Roger Eldensteiner
Address: 1208 Bonner, Mont

Contractor (if any):
Address of Contractor:

Date Started: __ Date Completed: __

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes” include depth to water when applicable:

[Diagram]

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:

used for watering cattle and poultry
used for irrigating pasture — App. 5 gallons per minute — measured with flow meter
mine flowing on the Spring gulch

Signature of Owner: Roger Eldensteiner
Date: 8/26/63

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**County and Town:**

- **Name of Appropriator:** [Name]
- **Address:** [Address]
- **Town:** [Town]
- **County:** [County]
- **State:** [State]

**Declaration:**

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

1. **Beneficial Use:**
   - [Beneficial use description]

2. **Date of Beneficial Use:**
   - [Date]

3. **Groundwater Claimed:**
   - [Amount in miner's inches or gallons per minute]

4. **Irrigation Information:**
   - [Irrigation details]

5. **Means of Withdrawal:**
   - [Description]

6. **Date of Construction:**
   - [Date]

7. **Depth of Water Table:**
   - [Depth]

8. **Log of Formations:**
   - [Formation details]

9. **Other Information:**
   - [Other relevant information]

**Signature:**

[Signature]

**Date:** [Date]

---

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the 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: Vernon H. Green
Address: Rd. 2, Box 313,
Butte, Montana

Contractor (if any) not applicable

Address of Contractor: not applicable

Date Started: n/a
Date Completed: n/a

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

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

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. Use is intermittent; generally extending from early spring to late fall

Signature of Owner: Dwayne W. Green
Date: June 28, 1962

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

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

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

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

**Administrator of Groundwater Code**

**Office of State Engineer**

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>September 5, 1963</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td>William E. &amp;</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Marjorie E. Huffin</td>
</tr>
<tr>
<td><strong>Contractor</strong></td>
<td>Rt. 2, Hoosah, Montana</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Describe means of obtaining groundwater without a well</strong></td>
<td><strong>as by sub-irrigation and other natural processes</strong>. Include depth to water when applicable. <strong>A1</strong> - Pipe runs into underground spring, gravity flow. <strong>A2</strong> - Pond formed by spring underground. <strong>B1</strong> - Flow from underground spring, runs off.</td>
</tr>
<tr>
<td><strong>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</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Indicate point of appropriation and place of use, if possible.</strong></td>
<td></td>
</tr>
</tbody>
</table>

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

Filed November 29, 1963
at 2:30 p.m.

EARL WALTON

County Clerk & Recorder

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

*Under Chapter 237, Montana Session Laws, 1963.*

| Date of Notice of Appropriation of Groundwater: | Nov. 25, 1967 |
| Date Well Started: | Nov. 25, 1967 |
| Date Well Completed: | Nov. 39, 1967 |

**Owner:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Redacted]</td>
<td>[Redacted]</td>
</tr>
</tbody>
</table>

**Driller:**

<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Redacted]</td>
<td>[Redacted]</td>
</tr>
</tbody>
</table>

**Type of Well Drilled:**

<table>
<thead>
<tr>
<th>Drilled</th>
<th>Equipment Used: Drill or Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Redacted]</td>
<td>[Redacted]</td>
</tr>
</tbody>
</table>

**Water Use:**

<table>
<thead>
<tr>
<th>Domestic</th>
<th>Municipal</th>
<th>Other</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Redacted]</td>
<td>[Redacted]</td>
<td>[Redacted]</td>
<td>[Redacted]</td>
</tr>
</tbody>
</table>

**Strata Met With:**

- Soil
- Clay
- Gravel
- Sand
- Rock

**Static Water Level for Non-Flowing Well:** 5 feet

**Shut-In Pressure for Flowing Well:**

**Pumping Water Level:** 40 feet at 4 gal. per minute

**Discharge in gal. per min. of Flowing Well:**

**Flow Tested:** 8,000 gal. per min. Length of Test: 2 h.r.

**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)

**Indicate Location of Well and Place of Use:** Each small square represents 10 acres.

**Driller's License Number:** [Redacted]

**Driller's Signature:** [Redacted]
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Mr. Carlton Shaw  Driller: Frank Drilling Co.
Address: Boxman, Mont. Address: Boxman, Mont.

Date of Notice of Appropriation of Groundwater: None

Date well started: June 18/63  Date Completed: June 26/63

Type of well: Drilled  Equipment Used: Cable tools
(dug, driven, bored or drilled)

Water Use: Domestic  Municipal  Stock  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 the water rises in the well.

<table>
<thead>
<tr>
<th>Size or Diameter of casing (Feet)</th>
<th>Size and Weight of casing (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8&quot;</td>
<td>0</td>
<td>97&quot;</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 10 feet

Shut-in Pressure for Flowing Well: None

Pumping Water Level: 79 feet at 12 gal. per minute.

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

How Tested: Boiler  Length of Test: 1 hr.

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)

Licenses No. 1

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 the Appropriator.
State of Montana  
County of Gallatin  
Filed: August 5, 1963  
at 4:30 p.m., M.  
County Clerk & Recorder  
By  
Fee $2.00
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1966

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground

(Elav. above sea level——)

0–22 Top Soil
22–24 Gravel Sand & First water
24–29 clay
29–30 Rock & water
30' Bottom of well

Owner: Joliner, Sr., Jr. Address: Box~ Box, Mont.

Driller: Harold Halbert Address: 311 Boxen, Mont.

Date of Notice of appropriation of groundwater: Jul 2, 1968

Date well started: March 30, 1966 Date completed: April 1, 1966

Type of well: Drilled Equipment used: Cable Tool

(Dug, Driven, bored or dug)

Water use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Water and Weight of Sand</th>
<th>From Center (foot)</th>
<th>To Center (foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>49 Lb</td>
<td>5 5/8</td>
<td>0.6</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

IX Test.

Shut-in Pressure for Flowing Well

Pumping Water Level 25 feet at 60 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested, Pumped & Bailered

Length of Test 2 hrs & 2 hrs

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

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

Show exact depth of bottom.

USGS—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

File No.__________

Montana Water Resources Board

OFFICE OF STATE ENGINEER

State of Montana

Administrative Officer of Groundwater Code

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1966

(Under Chapter 237, Montana Session Laws, 1961)

1. Top of Ground

(Elav. above sea level——)

0–22 Top Soil
22–24 Gravel Sand & First water
24–29 clay
29–30 Rock & water
30' Bottom of well

2. Owner: Joliner, Sr., Jr. Address: Box~ Box, Mont.


4. Date of Notice of appropriation of groundwater: Jul 2, 1968

5. Date well started: March 30, 1966 Date completed: April 1, 1966

6. Type of well: Drilled Equipment used: Cable Tool

(Dug, Driven, bored or dug)

7. Water use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □

8. 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>Water and Weight of Sand</th>
<th>From Center (foot)</th>
<th>To Center (foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>49 Lb</td>
<td>5 5/8</td>
<td>0.6</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

IX Test.

Shut-in Pressure for Flowing Well

Pumping Water Level 25 feet at 60 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested, Pumped & Bailered

Length of Test 2 hrs & 2 hrs

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

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

Show exact depth of bottom.

USGS—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

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, three copies to be retained by driller.

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

Driller's License Number

Driller's Signature

47

4-5-76
STATE OF MONTANA

COUNTY OF GALATIN

Filed Sept. 16, 1968
at 8:20 o'clock A.M.

CARL L. STUCKY

County Clerk & Recorder

By: [Signature]

Deputy

Fee $2.00 pd
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: MILLINGTON O. Young
Address: Route 2, Bozeman

Date of Notice of appropriation of groundwater:

Date well started: Aug. 1, 1961
Date completed: Aug. 5, 1966

Type of well: Drilled
Equipment used: Churn drill, rotary or other

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

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

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Soil Type</th>
<th>Water Level</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Sand &amp; Fine Gravel</td>
<td>6 ft above ground</td>
<td>1 1/2 ft below ground</td>
</tr>
<tr>
<td>3</td>
<td>Sand &amp; Gravel bound. Cl.</td>
<td>6 ft above ground</td>
<td>1 1/2 ft below ground</td>
</tr>
<tr>
<td>6</td>
<td>Sand &amp; Fine Gravel</td>
<td>6 ft above ground</td>
<td>1 1/2 ft below ground</td>
</tr>
<tr>
<td>9</td>
<td>Sand &amp; Gravel bound. Cl.</td>
<td>6 ft above ground</td>
<td>1 1/2 ft below ground</td>
</tr>
<tr>
<td>12</td>
<td>Sand &amp; Gravel bound in clay</td>
<td>6 ft above ground</td>
<td>1 1/2 ft below ground</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 73 ft

Shut-in Pressure for flowing well: 15 psi

Pumping Water Level: 32 ft

Discharge in gal. per min. of flowing well: 100 gal.

How Tested: Pump

Length of Test: 1 hour

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

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

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

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

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

Driller's License Number

Driller's Signature

1859
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: Dec 22 1963
Owner: Charles Puskar Address: 2 Bozeman
Contractor (if any) __________________________
Address of Contractor _________________________
Date Started: Dec 22 1963 Date Completed: Dec 24 1963
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. __________________________
Natural Spring
Stock water for 75-head of cattle
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. __________
All year Round
Signature of Owner: Charles Puskar
Date: Dec 24 1963

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

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

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

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

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

Chas F. Papke
(Name of Appropriator)
Bozeman
(State)

County of Gallatin
(Town)

NE 1/4, Sec. 34, T. 18 N., R. 66 E.

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Sept. 1960

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

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

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:

8. The depth of water table: 12 feet

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

10. The estimated amount of groundwater withdrawn each year: 50 gal per day

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

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:

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.

Date: 10 May 1960

Signature of Owner: Chas F. Papke

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

Filed  
2-3-1963  
at 4:37 o'clock P.M.  

Clerk of Court  

By  

Fee $  

Deputy
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1965)

State of Montana
Administrator of Groundwater Code
Office of State Engineer

Notice of Completion of Groundwater Appropriation Without Well

Springs

<table>
<thead>
<tr>
<th>No. 1</th>
<th>No. 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>Spring</td>
</tr>
<tr>
<td>11/10/96</td>
<td>5/10/91</td>
</tr>
</tbody>
</table>

Date of Appropriation of Groundwater

U.S. Fish and Wildlife Service
Owner: Address: Bozeman, Montana

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. Groundwater obtained by use of natural springs and gravity flow. The No. 1 spring is a series of cold water springs, temperature approx. 60 degrees F. The No. 2 spring is a warm water spring with temperature of approx. 77 degrees F. The No. 3 spring has a temperature of approx. 46 degrees F.

Flow of No. 1 spring is from 600 to 2,000 gallons per min.
Flow of No. 2 spring is from 80 to 250 g.p.m.
Flow of No. 3 spring is from 15 to 20 g.p.m.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent, water flow is measured by use of weir. Use of water is constant, and all of the water, coming from the springs is used throughout the year.

Signature of Owner

U.S. Fish and Wildlife Service

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

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

Filed December 20, 1963
at 8:40 o'clock A.M.

EARL MALTON
COUNTY CLERK & RECORDER

Fee $2.00 pd.
## Declaration of Vested Groundwater Rights

(Under Chapter 23, Montana Session Laws, 1961)

### U.S. Fish and Wildlife Service

1. By: Leonard James, [Name of Approporator], of Town: Bozeman, Address: 2400 2nd Ave. (State of Montana)

| County of Gallatin | State of Montana |

### Appropriation Information

1. The beneficial use on which the claim is based:
   - Domestic use, drinking purposes, lawn sprinkling.

2. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   - November 10, 1960
   - Water has been used continuously since that date.

3. The amount of groundwater claimed (in miner's rights or gallons per minute): 19 gallons per minute.

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:
   - 20 acres
   - Name of Owner: 368888

### Geographical Information

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

<table>
<thead>
<tr>
<th>SW</th>
<th>NW</th>
<th>Sec. 31</th>
<th>T.15</th>
<th>R.6E</th>
</tr>
</thead>
</table>

### Additional Information

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Water is pumped from the well by use of electrically driven pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - Drilling was started 3/21/60 and completed 5/26/60.

8. The depth of water table:
   - Static water level: 4' 7"
   - casing performed: 31 to 61 feet.

9. The log of formations encountered in the drilling of each well if available:
   - 0 - 3: black dirt and trash
   - 3: broken rock and gravel imbedded in black sandy dirt
   - 14: broken rock and gravel imbedded in yellow sand clay
   - 36: 4½ yellow clay
   - 41½: 62 broken limestone with yellow clay in seams and cracks
   - 63-109: breccia and conglomerate
   - 105: 196 breccia and conglomerate
   - 143: broken grey limestone
   - 214: yellow and blue green sand clay like

10. The estimated amount of groundwater withdrawn each year:
    - 6,500,000 gallons per year.

11. Such other information as may be deemed necessary for carrying out the policy of this act, including reference to book and page of any county record:
    - No county record

### Signatures

U.S. Fish and Wildlife Service

Signature of Owner: [Signature]

Date: December 23, 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 December 20, 1963
at 8:42 o'clock A.M.

EARL WALTON

By

Fee $2.00 pd
T 15 R 6E

Montana Bureau of Mines and Geology
Butte, Montana

WATER WELL LOG

Owner: United States of America
Address: Box 3777, Portland, Ore.

Driller: Liberty Drilling & Pumps Co.
Address: Box 629, Missoula, Mont.

Date Started: 5/27/60
Date Completed: 6/26/60

Location: Sec. 13
T. 15 N.
R. 66 W.

Located at Bozeman National Fish Hatchery

Type of Well Drilled: (Deep, driven, bored, or drilled)
Equipment used: (Cham drill, rotary, other)

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

Casing:
- 0 ft. to 111/2 ft. Type: [ ] Size: 12"

Casing:
- 11 1/2 ft. to 200 ft. Type: [ ] Size: [ ]

Casing:
- perforated casing [ ] ft. to ft. Type: [ ] Size: [ ]

Type of screen or perforations: 8 continuous 1" slots per foot

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

Shut-In pressure, for flowing well: [ ] in. Hg. (date)

Pumping water level: [ ] ft. at 19 gal. per min.

How tested: Pumping for 16 hours

Length of test: 12 hours at 19 gal./min.

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>From To</td>
<td></td>
</tr>
<tr>
<td>0 3</td>
<td>Black dirt and trash</td>
</tr>
<tr>
<td>3 14</td>
<td>Broken rock and gravel embedded in black sandy dirt</td>
</tr>
<tr>
<td>14 35</td>
<td>Broken rock and gravel embedded in yellow-tan clay</td>
</tr>
<tr>
<td>35 45</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>45 62</td>
<td>Broken limestone with yellow clay in seams and cracks</td>
</tr>
<tr>
<td>62 109</td>
<td>Breccia and Gouge</td>
</tr>
<tr>
<td></td>
<td>Breccia - Broken grey limestone</td>
</tr>
<tr>
<td></td>
<td>Gouge - Yellow colored and clay-like</td>
</tr>
<tr>
<td>109 151</td>
<td>Breccia and Gouge</td>
</tr>
<tr>
<td></td>
<td>Breccia - Broken grey limestone</td>
</tr>
<tr>
<td></td>
<td>Gouge - Bluish-green colored and clay-like</td>
</tr>
<tr>
<td>151 196</td>
<td>Breccia and Gouge</td>
</tr>
<tr>
<td></td>
<td>Breccia - Broken grey limestone</td>
</tr>
<tr>
<td></td>
<td>Gouge - Yellow-tan color and clay-like</td>
</tr>
<tr>
<td>196 200</td>
<td>Light grey colored limestone - hard, solid and dense</td>
</tr>
</tbody>
</table>

Log of Well
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>1904</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States of America</td>
<td></td>
</tr>
<tr>
<td>Owner (Forest Service)</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Contractor (if any)</td>
<td>N/A</td>
</tr>
<tr>
<td>Address of Contractor</td>
<td>N/A</td>
</tr>
<tr>
<td>Date Started</td>
<td>1904</td>
</tr>
<tr>
<td>Date Completed</td>
<td>1904</td>
</tr>
</tbody>
</table>

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

**Spring**

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

<table>
<thead>
<tr>
<th>Sec</th>
<th>T</th>
<th>R</th>
</tr>
</thead>
<tbody>
<tr>
<td>34</td>
<td>15</td>
<td>68</td>
</tr>
</tbody>
</table>

**Bridger Spring**

(Administrative Site)

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.

Bridger Spring - 6 G.P.M. - measured flow.

Use periods: Year round domestic and stock watering use.

**UNITED STATES OF AMERICA**

Signature of Owner: Date:

December 4, 1963

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

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

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

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 December 9, 1963  
at 11:56 A.M.

EARL WALTON  

COUNTY CLERK & RECORDER

By  
DEPUTY

Fee $2.00
State of Montana
County of Gallatin ss.
Filed March 10, 1967
at 3:00 o'clock P.M.

Clyde Clark
County Clerk & Recorder
By

Deputy
See 5.30 p.m. 80
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Joseph B. Mart
   (Name of Appropriator)
   of
   (Address)
   of
   (Town)
   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
   Domestic, yard & garden
   (also 50 acres sub-
   Irrigated land in SW 1/4 Sec. 35, T. 18N., R. 6W)

3. Date or approximate date of earliest beneficial use, and how continuous the use has been
   October 30, 1963

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
   1 acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   October 10, 1963

8. The depth of water table
   approximately 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
   16 feet deep, 36 inches in diameter, galvanized casing

10. The estimated amount of groundwater withdrawn each year
   Sand & gravel

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: Joseph B. Mart
Date: 12-26-63

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 6-27-1963
at 10:32 o'clock A.M.

Paul Wallace
COUNTY CLERK & RECORDER
By

Fee $2.50
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. Natural springs

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. MONTH

Year

Signature of Owner

Date

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237, Montana Session Laws, 1981)

Date of Appropriation of Groundwater

Owner: J. W. Christman
Address: R. L. Baxem

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. Natural springs

1. 2. 3. 4.

1. is piped from location on map to buildings from spring 2. which feeds springs 3.

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

1 year

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

Signature of Owner
Date: 12/31/63

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

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

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

Genuine 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, ss.
County of Gallatin

Filed May 7, 1966
at 3:15 o'clock P.M.

CLERK & RECORDER

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

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

Seventh A. Christel, R.R. Box 300, Bozeman

County of Gallatin
State of Mont.

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. January 1962

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 160

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. Field of grain

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

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. Well drilled 150 ft. First 30 ft. water at 29 ft. solid rock next 3 ft. of way.

10. The estimated amount of groundwater withdrawn each year. 206,000 gal.

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

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

Signature of Owner

Date 12/23/63

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
## Notice of Completion of Groundwater Appropriation by Means of Well

**DEVELOPED BETWEEN JANUARY 1, 1968**

(Section 227, Montana Session Laws, 1961)

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**DEPARTMENT OF STATE ENGINEERING**

**Owner**

**JAKE MAST**

**Address**

**BOZEMAN, MONTANA**

**Driller**

**VAN DYKE DRILLING CO**

**Address**

**BOZEMAN, MONTANA**

**Date of Notice of appropriation of groundwater**

10/18/68

**Date well started**

10/18/68

**Date completed**

11/12/68

**Drilled**

65' 6'-5/8" 0.6 17' New Drilled

**Cable tools**

**Type of well**

(Dog, Driven, bored or drilled)

(Corn 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, 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 Drilled</th>
<th>Size and Weight of Cable</th>
<th>Length (Ft)</th>
<th>TD. (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>65'</td>
<td>6'-5/8&quot; 0.6</td>
<td>17'</td>
<td>New</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Indicate location of well and place of use, if possible. Each small square represents 40 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, these copies to be retained by driller.

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

**LICENCE NO. 1**

Driller's License Number

Driller's Signature

Bert Van Dyke

4/5/65