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

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

---

**Owner:** Montana Highway Commission

**Address:** Helena, Montana

**Driller:** Montana Highway Department

**Address:** Helena, Montana

**Date of Notice of Appropriation of groundwater:** December 27, 1965

**Date well started:** Nov. 20, 1965

**Date completed:** Dec. 21, 1965

**Type of well drilled:** Domestic

**Well completed at:**

---

### Groundwater appropriation

<table>
<thead>
<tr>
<th>Date of Notice of appropriation</th>
<th>12/27/1965</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date completed</td>
<td>12/21/1965</td>
</tr>
</tbody>
</table>

**Type of well drilled:** Domestic

**Water use:** Domestic

**Depth Area Water Supply:** Indicates 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:** 15.8 ft.

**Shutdown Pressure for Flowing Well:** 80 psi.

**Discharge in gal. per min. of flowing well:** 175 gal/min.

**How Tested:** Pumped

**Length of Test:** 5-1/2 hrs.

**Remarks:** (Gravel packing, cementing, packers, type of shut-off)...10-2.5...10-15...

---

**Date well started:** Nov. 20, 1965

**Date completed:** Dec. 21, 1965

**Well completed at:**

---

**Driller’s License Number:**

---

**WELL LOG**

---

**Very dense, grey decomposed granite sand.**

---

**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, three copies to be retained by driller.

---

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

---

**Driller’s Signature:**

---

**STATE OF MONTANA**

**ADVISOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

---

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

---

**Additional Information:**

---

**WATER ANALYSIS**

---

**Driller’s License Number:**

---

**Date:**

---

**Signature:**

---

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

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

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

Owner: Montana Highway Commission
Address: Helena, Montana

Driller: Montana Highway Dept.
Address: Helena, Montana

Date of Notice of appropriation of groundwater: January 3, 1966
Date well started: December 27, 1965
Date completed: December 30, 1965

Type of well: Drilled
Equipment used: Drilling Well
(Dig, Driven, bored or drilled)

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

Bed Area Water Supply
Indicate on the diagrams 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: Pumped

Length of Test: 3 hours

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).

WATER ANALYSIS

pH: 7.1

CO2: None

Phosphatides: 0.0 p.p.m.

Methyl Orange: 115 p.p.m.

Total Hardness: 115 p.p.m.

---

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 copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well
Developed After January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1936
Owner and Government Address - Initial. Location
Contractor (if any) - None
Address of Contractor - Ict applicable
Date Started - 1936, Date Completed - 1936

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.)

2) Means of withdrawing water (gravity, pump, canal, etc.)

3) Depth of water table

4) Use of the water

5) Amount of groundwater claimed (in miner's inches, or gallons per minute)

6) If used for irrigation, give number of acres and description of land

7) Estimate amount of water used each year

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

Signature of Owner

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

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

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.
Notice of Completion of Groundwater Appropriation
Without Well

Developed After January 1, 1961
(Under Chapter 237, Montana Session Laws, 1961)

Date of Appropriation: 1936
Contractor (if any): none
Address of Contractor: Not applicable
Date Started: 1936
Date Completed: 1936

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drain, etc.):

2) Means of withdrawing water (gravity, pump, canal, etc.):

3) Depth of water table:

4) Use of the water:

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): 1/2 gallon per minute

6) If used for irrigation, give number of acres and description of land:

7) Estimate amount of water used each year:

Signature of Owner:

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

Notice of Completion of Groundwater Appropriation
Without Well
Developed After January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1956
Owner: [Address: Johnson, Montana]
Contractor (if any): [Address: not applicable]
Address of Contractor: [Address: not applicable]
Date Started: 1956
Date Completed: 1956

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.):

2) Means of withdrawing water (gravity, pump, canal, etc.):

3) Depth of water table:

4) Use of the water:

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): 1/2 gallon per minute

6) If used for irrigation, give number of acres and description of land:

7) Estimate amount of water used each 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.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Caldwell Richard R.</td>
<td>SW 3</td>
<td>93389</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Degges John W.</td>
<td>NW 2</td>
<td>99286</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Burnette Lyle E.</td>
<td>SW 2</td>
<td>98444</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Huber Frank H.</td>
<td>SW 4</td>
<td>93189</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Baker Mike B.</td>
<td>NW 2</td>
<td>96535</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Burnette Lyle E.</td>
<td>NW 2</td>
<td>98850</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Crone Verne</td>
<td>SW 2</td>
<td>96630</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Webster Vicky</td>
<td>NW 2</td>
<td>98740</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Webster Vicky</td>
<td>NW 2</td>
<td>98740</td>
<td>Same as 25</td>
</tr>
<tr>
<td>27</td>
<td>McCarthy Carl</td>
<td>NW 2</td>
<td>91360</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Alley John C.</td>
<td>NW 4</td>
<td>92987</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Alley John C.</td>
<td>NW 4</td>
<td>52987</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Hayley Phillips</td>
<td>SW 4</td>
<td>93241</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Webster, Knight B.</td>
<td>SW 4</td>
<td>93270</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Alley John C.</td>
<td>SW 4</td>
<td>92987</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Hayley John C.</td>
<td>SW 4</td>
<td>92987</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Hayley John C.</td>
<td>SW 4</td>
<td>93270</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Hayley Phillips</td>
<td>SW 4</td>
<td>93241</td>
<td>End of list = 8</td>
</tr>
<tr>
<td>34</td>
<td>Hayley Phillips</td>
<td>SW 4</td>
<td>93241</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Thomas Phillips</td>
<td>SW 4</td>
<td>92140</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: July 1, 1940
Owner: Richard H. Caldwell
Address: Whitehall, Montana
Contractor (if any): 
Address of Contractor: 
Date Started: 7/1/40
Date Completed: 7/1/40

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Reservoir #7, from which there
is a ditch 18" wide by 18" deep which carries
and conducts 80 Miners Inches of water from
said Reservoir #7.

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermit-
tent estimate approximate lengths of periods of use...
Reservoir #7, continuous from July 1, 1940 to
date, and 80 Miners Inches thereafter, continuous,
as aforesaid.

Signature of Owner: 
Date: December 31, 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.

For specific reference, see: Amended Notice of Appropriation and Notice
of Water Right, Docket #59367, Recorded in Book 5, Page 37, of Water
Right, Jefferson County, Montana, under date of March 1, 1945.

Signature of Owner: 
Date: December 31, 1963
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1942
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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 may be returned.

Owner          Lyle E. Burket
Address         Rural route 1, Box 46C, Whitehall, Mont.
Contractor (if any)  Self
Address of Contractor
Date Started     6/21/73     Date Completed     6/24/1973

1. Describe means of obtaining groundwater (as by sub-irrigation,
developed springs, drains, etc.)

2. Means of withdrawing water (gravity, pump, canal, etc.)

3. Depth of water table: Five feet

4. Use of the water: Irrigation, watering stock

5. Amount of groundwater claimed (in miner's inches or gallons
   per minute) 600 gals. per minute

6. if used for irrigation, give number of acres and description
   of land 76 acres, bench

7. Estimate amount of water used each year: One-fourth
   million gallons

8. Months of year spring flows: 12

Signature of Owner: Lyle E. Burket
Date: 6/25/73

Elevation of spring, if known or estimated: 4800 altitude

INDICATE POINT OF APPROPRIATION
AND PLACE OF USE, IF POSSIBLE.

For Administrator's Use

[Map with coordinates indicated]

[Grid for coordinates]

[Signature and date]

[53, 845]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
OFFICE OF STATE ENGINEER

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

1. ERNEST W. TEBAY
   (Name of Appropriator)
   Whitehall
   (Address)
   (Town)

County of Jefferson
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
   Stockwater

3. Date or approximate date of earliest beneficial use, and how
   continuous the use has been. Used continuously since 1900

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
   Not applicable

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About 1900

8. The depth of water table. Unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   No works
   Natural Spring

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

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

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

Signature of Owner: Ernest M. Tebay
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

## Administrator of Groundwater Code

### Montana Water Resources Board

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

Developed after January 1, 1966

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

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

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

---

**Owner:** Mike A. Baker

**Address:** Whitehall, MT

**State of Montana:*** File 96525

**Date well started:** 8/25/70

**Type of well:** Driven

**Equipment used:** Pile Driver

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

**Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]**

*Describe:* N.A.

**USE:** If used for irrigation, industrial, drainage or other, explain

---

**Top of Ground:**

<table>
<thead>
<tr>
<th>From (feet)</th>
<th>To (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft.</td>
<td>Clay and sand</td>
</tr>
<tr>
<td>9 ft.</td>
<td>Decomposed granite</td>
</tr>
<tr>
<td>23 ft.</td>
<td>Sedimentary rock</td>
</tr>
</tbody>
</table>

---

**Estimated Annual Withdrawal:** 1,000,000 gallons

**PERFORATIONS**

- **Static water level:** 51 ft.
- **Pumping water level:** 181 ft.
- **Power:** 1 HP
- **Remarks:** Gravel packing, cementing, packers, type of shutoff

**Well developed by pumping for 48 hours.**

**Driller's Signature:** Mike Baker

**Driller's Address:** Whitehall, MT

**License No:** 59261

---

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

Each small square represents 40 acres.

---

**Remarks:** Show exact depth of bottom

---

**County:** F.C. R. S. C.

---
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller. Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: LYLE BURGEL
Address: PIPE STONE - BUTTE File No. 9000

Date well started: APRIL 12, 1972 Date well completed: APRIL 19, 1972

Type of well: DRILLED Equipment used: CHAIN Water Use: Domestic

Equipment used: CHAIN Water Use: Domestic

Water Use: Domestic X Municipal Stock Irrigation

Industial □ Drainage □ Other □ Garden/Lawn □

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size of Exit Date</th>
<th>Depth of Exit Date</th>
<th>Depth</th>
<th>Type of Material</th>
<th>Depth</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>1/2&quot;</td>
<td>0' 35'</td>
<td>19' 2.8F</td>
<td>PLASTIC</td>
<td>13'</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<td></td>
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<td></td>
<td></td>
<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.

Driller's Signature: [Signature] Driller's Address: [Address]

County: [County]

DRILLER'S LOG

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

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>From (Ft.)</th>
<th>To (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' 1'</td>
<td>TOP SOIL</td>
</tr>
<tr>
<td>1 25'</td>
<td>GRAVELY MATERIALS</td>
</tr>
<tr>
<td>25 70'</td>
<td>DECOMPOSED GRANITE</td>
</tr>
<tr>
<td>70 100'</td>
<td>GRANITE SEAM (WATER)</td>
</tr>
<tr>
<td>100 120'</td>
<td>DECOMPOSED GRANITE</td>
</tr>
<tr>
<td>120 130'</td>
<td>BLUE GRANITE</td>
</tr>
</tbody>
</table>

Static water level: 18.78 ft.*
Pumping water level: 14.5 ft.*
Well developed by: PUMPING for 24 HOURS.
Power: 15 HP
Remarks: (Gravel packing, cementing packers, type of shutoff) 15 HP

Static water level: 18.78 ft.*
Pumping water level: 14.5 ft.*
Well developed by: PUMPING for 24 HOURS.
Power: 15 HP
Remarks: (Gravel packing, cementing packers, type of shutoff) 15 HP

[Drawings and diagrams]

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

Driller's Signature: [Signature] Driller's Address: [Address]

County: [County]

License No.: [License No.]
98840

RECORDE'S OFFICE
Jefferson County, Montana
filed for record the 25th day of January
1927

County Recorder

C. C. Miller, Rec.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

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

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

Owner

Vernon Crowe

Address

1055 Garrison
Butte, Montana 59701

Date well started

June 29, 1972

completed

June 30, 1972

Type of well

Drilled

Equipment used

Churn Drill

Water Use

Domestic / Municipal / Stock / Irrigation / Industrial / Drainage / Other / Garden/Lawn

Describe

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

ESTIMATED ANNUAL WITHDRAWAL

Top of Ground

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>From 30'</th>
<th>To 30'</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' 11'</td>
<td>Sand-clay-boulders</td>
<td></td>
</tr>
<tr>
<td>11' 28'</td>
<td>Sandy clay</td>
<td></td>
</tr>
<tr>
<td>28' 35'</td>
<td>Sand gravel - water</td>
<td></td>
</tr>
<tr>
<td>35'</td>
<td>Rock</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 19' ft
Pumping water level: 30' ft
at 1200 gallons per minute, measured 3 minutes after pumping began.

Remarks: Gravel packing cementing packers, type of cutoff

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

O'Keefe Contracting Company

Driller's Address

39 Harvard Ave.

Butte, Montana 59701

LICENSE NO. 8

35' Show exact depth of bottom
59944
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

**Special Instructions:**

Please provide the county filing information for the attached form, where indicated in red.

Thank you.

---

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

*Describe:* [ ]

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

**Estimated Annual Withdrawal:**

<table>
<thead>
<tr>
<th>Well Diameter (ft)</th>
<th>Flow Rate (gpm)</th>
<th>Depth (ft)</th>
<th>Static Water Level</th>
<th>Pumping Water Level</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8&quot; x .250</td>
<td>35</td>
<td>35'</td>
<td>18'</td>
<td>30</td>
<td>(Gravel packing, cementing, packers, type of shut-off)</td>
</tr>
</tbody>
</table>

**Static Water Level:** 18'

**Pumping Water Level:** 30'

*Measured from ground level.

Well developed by: [ ]

Power: [ ] HP

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

**Indicate Location of Well and Place of Use, if possible. Each Small Square Represents 40 Acres.**

Driller's Signature: [ ]

Driller's Address: 2604 Harvard Ave.

Butte, Montana 59701  LICENSE NO. [ ]

Location: T. 2N R. 5W Sec. 20

Doc. No.: [ ]
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

*Developed after January 1, 1963 (Under Chapter 227 Montana Session Laws, 1961, as amended)*

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

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

---

**Owner:** Vernon Grove  
**Address:** 1855 Garrison  
**File:** Butte, Montana 59701  
**Date well started:** June 29, 1972  
**Completed:** June 30, 1972  
**Type of well:** Drilled  
**Equipment used:** Churn Drill  
**Water Use:** Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]  
**Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]**

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

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Size of Pipe of Below</th>
<th>From</th>
<th>To</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 6 5/8&quot; od x .250</td>
<td>+1'</td>
<td>35'</td>
<td>30'</td>
<td>35'</td>
<td></td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Sch</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>35'</td>
<td>30'</td>
<td>35'</td>
</tr>
</tbody>
</table>

**Static water level:** 18' 6"  
**Pumping water level:** 30' +6"  
**at:** 12...gallons per minute  
**measured:** minutes after pumping began.  
**Measured from ground level.**  
**Well developed by:** **_**pump**_**  
**for:** 3...hours.  
**Power:** _**_HP  
**Remarks:** (Gravel packing, cementing, packers, type of shut off)  

---

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

---

**Driller's Signature:**  
**Company:** O'Keefe Contracting Company  
**Date:**  
**Address:** 2004 Harvard Ave.  
**Butte, Montana 59701**  
**License No.** 8
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner: Arthur Hasberg
Address: Route 1, Box 55
Whitehall, Montana

Date well started: 4/17/73
Completed: 4/17/73

Type of well: Drilled

Equipment used: Churn drill

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size and</th>
<th>Drop</th>
<th>Top of</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>Weight of</td>
<td>0'</td>
<td>Cutting</td>
<td>129'</td>
</tr>
<tr>
<td>(Foot)</td>
<td>Content</td>
<td>141'</td>
<td>Torch</td>
<td>139'</td>
</tr>
</tbody>
</table>

Cutting: 129' 139'

Static water level: 50 ft.
Pumping water level: 132 ft.

at: 30 gallons per minute, measured minutes after pumping began.

*Measured from ground level.

Well developed by: Bailing for four hours for: hours.

Power: Pump: HP

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

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

Driller's Signature: O'Keefe Contracting Company
Driller's Address: 2804 Harvard Avenue

Butte, Montana 59701 LICENSE NO.: 8

141' Show exact depth of bottom

534/25
98770

[Handwritten text:]

[Court record for the 7th day of June 1928 at 1.30 o'clock p.m.]

[Signature: James A. Lambert, County Recorder]

[Signature: Carl O. Medlock, Deputy]
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

UNDER CHAPTER 237, MONTANA SESSION LAWS, 1961

Owner: Jack McCarthy
Address: Butte, Montana

Driller: E. B. Kelly Drilling Co.
Address: Butte, Montana

Date of Notice of Appropriation: June 22, 1969

Date Well Started: June 13, 1969
Date Completed: June 18, 1969

Type of Well: Drilled
Equipment: Special
Other 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>Stratum</th>
<th>Depth</th>
<th>Material</th>
</tr>
</thead>
<tbody>
<tr>
<td>3-33 tan sandy clay</td>
<td>10 ft</td>
<td>Clay, sand</td>
</tr>
<tr>
<td>33-63 (some water) grey sandy clay</td>
<td>20 ft</td>
<td>Clay, sand, water</td>
</tr>
<tr>
<td>63-65 tan loam sand</td>
<td>30 ft</td>
<td>Sand, loam</td>
</tr>
<tr>
<td>65-75 grey clay</td>
<td>40 ft</td>
<td>Clay, grey</td>
</tr>
<tr>
<td>73-80 grey sand</td>
<td>50 ft</td>
<td>Sand, grey</td>
</tr>
<tr>
<td>80-89 grey shale water</td>
<td>60 ft</td>
<td>Shale, grey, water</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Total Feet</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; I.D.</td>
<td>17 lb.</td>
<td>81</td>
<td>Cutting torch 75 80</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-In Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested: Torr

Length of Test: 3 hours

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

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

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

Domestic and irrigation for 5 acres

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, tissues copy to be retained by driller.

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

Driller's Signature

Driller's License Number

[Diagram and additional information]

[Signature]
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: Joe Strossi
Address: Whitehall, Montana

Driller: O'Keefe Drilling Co.
Address: Butte, Montana

Date of Notice of appropriation of groundwater: June 3, 1968

Date well started: May 16, 1968
Date completed: May 16, 1968

Type of well: Dug, bored, drilled
Equipment used: Down the hole drill

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

Indicate on the diagram the character and thickness of the different strata used 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>Layer</th>
<th>Depth</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' - 20'</td>
<td>Sandy clay</td>
<td></td>
</tr>
<tr>
<td>20' - 35'</td>
<td>Yellow clay</td>
<td></td>
</tr>
<tr>
<td>35' - 66'</td>
<td>Brown clay</td>
<td></td>
</tr>
<tr>
<td>68' - 70'</td>
<td>Gravel, sand water</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 40' feet
Shut-in Pressure for Flowing Well:
Pumping Water Level: 40' feet at 30 gal. per minute
Discharge in gal. per min. of flowing well: 30 gal. per minute

How Tested: Baller
Length of Test: 4 hrs
Remarks: Gravel packing, cementing, packers, type of shutoff

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; 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:

(Continues on reverse side)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

John C. Alley
(Name of Appropriator)

Pipistone Hot Springs, Whitehall, Montana
(Address)

County of Jefferson
(Town)

State of Montana

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

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

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... Prior to 1900. Has been used continuously.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Approximately 200 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: John C. Alley
Date: Dec 29, 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.
2. In addition, there are numerous seeps and pools of hot water throughout this same area.

3. These waters have been, and are still being used for irrigation, for health purposes, and for heating. Their use for these purposes extend back through the year and prior to 1900.

4. Attention is called to the judicial action (Allred vs Radoni, 1914) wherein the waters of Pipestone Creek were adjudicated. Specific mention is made of the hot water springs arising on this land, and reserving said waters to that land, and setting these waters apart from the natural flow water of Pipestone Creek.
MEMORANDUM

Re: Pipestone Hot Springs Hot Water Springs and Hot Water Wells

1. There are seven (7) flowing hot water springs located at Pipestone Hot Springs. They are on land more particularly described as the NW\(\frac{1}{4}\) of the SE\(\frac{1}{4}\) of Section 28, Township 2 North, Range 5 West, and the NE\(\frac{1}{4}\) of the SW\(\frac{1}{4}\) of Section 28, Township 2 North, Range 5 West, Jefferson County, Montana.

2. In addition there are numerous seeps and pools of hot water throughout this same area.

3. These waters have been, and are still being used for irrigation, for health purposes, and for heating. Their use for these purposes extend back through the year and prior to 1900.

4. Attention is called to the judicial action (Alred vs Radoni, 1914) wherein the waters of Pipestone Creek were adjudicated. Specific mention is made of the hot water springs arising on this land, and reserving said waters to that land, and setting these waters apart from the natural flow water of Pipestone Creek.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **John C. Alley**
   - Name of Appropriator
   - Address
   - Town
   - County: Jefferson
   - State: Montana

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

   2. The beneficial use on which the claim is based. Water developed in these wells is used for domestic and commercial water supply.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been. All wells were in use prior to 1925. Several of them were in use prior to 1910. Most of them have been used continuously.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute). Approximately 560 gallons per minute. 3 jet pumps. Total capacity 450 gallons per minute. 6 hand pumps. Total capacity 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. None of the water developed is used for irrigation.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Jet pumps and hand pumps. Nine wells are located in the SE1/4 of the NE1/4, the NE1/4 of SW1/4, and the NE1/4 of the SW1/4 in Sec. 28, T. 26 N., R. 5 W., Jefferson County, Montana. All wells were completed prior to 1925.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Approximately forty feet at main wells.

   8. The depth of water table. Drilled and cased. Six and eight inch casing. Wells vary in depth from 120 feet to 59 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. Six and eight inch casing. No logs of wells available.

   10. The estimated amount of groundwater withdrawn each year. 514,000 gallons per year (approximate).

   11. The log of formations encountered in the drilling of each well if available. No logs of wells 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: John C. Alley

   Date: Oct. 29, 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.
RECORER'S OFFICE
Jefferson County, Montana

Filed for record this ___ day of December

D. 9:00

Fees, $2.00
Re: Pipestone Hot Springs Cold Water Drilled Wells

1. There are nine (9) drilled and cased cold water wells at Pipestone Hot Springs located at various points in the SW\textsuperscript{1} of the NE\textsuperscript{2}, the NW\textsuperscript{1} of the SE\textsuperscript{2}, and the NE\textsuperscript{1} of the SW\textsuperscript{2}, all in Section 23, Township 2 N, Range 5 West, Jefferson County, Montana.

2. These wells are used for private and commercial water supply purposes.

3. There are two main wells supplying water to the Pipestone Hot Springs resort. They were drilled to a depth of 120 feet. The water level is approximately 40 feet from the top. Another main well is at the Club House. It is drilled to a depth of 100 feet. The water is approximately 40 feet from the top. The other wells vary in depth, and in the water level. Some of the wells are used heavily. Others are used only infrequently.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Phillip Kuntz
   (Name of Appropriator)
   Town: Whitehall
   County: Jefferson
   State: Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: All springs have been used continuously since 1875

4. The amount of groundwater claimed (in miner's inches or gallons per minute): (1) 20 inches; (2) 20 inches; (3) 5 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: Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   All springs are natural flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Springs have been developed variously since 1875, to date.

8. The depth of water table: Springs all rise to surface

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: (1) Dug out, 1½ inch pipe 20 ft. long to 300 gallon capacity stockwater tank; (2) Dug out, ditched and piped to corrals; (3) Dug out, ditched, 4 inch pipe 40 ft. long to metal stock water trough.

10. The estimated amount of groundwater withdrawn each year: 2,000,000 gallons

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

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: December 28, 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.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. KNOTTON, P. MCKEEN ...................................... of ................. Whitehall .................
   (Name of Appropriator) (Address) (Town)

   County of Jefferson .................................. State of Montana .................

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

   2. The beneficial use on which the claim is based, domestic and irrigation ...............

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      No. 1. Well  since August, 1948
      No. 2. Well  since October, 1960

   4. The amount of groundwater claimed (in miner's inches or gallons per minute):
      No. 1. 7 gallons per minute, No. 2. 20 gallons per minute

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

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

   7. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
      Deep, vertical wells  ...........

   8. The date of commencement and completion of the construction of the well, wells, or other
      works for withdrawal of groundwater:
      No. 1. October, 1948
      No. 2. October, 1960

   9. The depth of water table: 46 feet

   10. The estimated amount of groundwater withdrawn each year: 220,000 gallons

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

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

   Signature of .........................................

   Date: September 27, 1964

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; Duplicate to the State Engineer; TriPLICATE to Montana Bureau of Mines & 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)

John C. Allen
(Name of Appropriator)

Jefferson
(County)

Montana
(State)

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

2. The beneficial use on which the claim is based: Domestic household water supply.

3. Date or approximate date of earliest beneficial use: 1925. Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2.12 gallons per minute

5. If used for irrigation, give the average and description of the lands to which water has been applied and name of the owner thereof: Not used for irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Jet pump, 15 feet of the 50', Sec. 29, T. 22 N., R. 95 W.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1925

8. The depth of water table: 24 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well in 62 feet deep. Drilled well with six inch casing.

10. The estimated amount of groundwater withdrawn each year: 54,750 gallons per year.

11. The log of formations encountered in the drilling of each well if available: None 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: John C. Allen
Date: Oct. 29, 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.
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner Address</th>
<th>Driller Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Month</strong>/<strong>Date</strong></td>
<td><strong>Month</strong>/<strong>Date</strong></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: Sec: <strong>R.</strong> T. <strong>M.</strong> R. <strong>S.</strong></th>
<th>1/2 sec: <strong>N</strong> <strong>S.</strong></th>
</tr>
</thead>
</table>

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

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

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

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

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

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

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

<table>
<thead>
<tr>
<th>Pumping water level feet at 10 a.m. gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>(over)</th>
</tr>
</thead>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner/John or Mine Holder:</th>
<th>Address: Glendive, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller: Self</td>
<td>Address:</td>
</tr>
<tr>
<td>Date Started: October 1955</td>
<td>Date Completed: Oct 1956</td>
</tr>
<tr>
<td>Location: Sec. 32 T. 8 R. 6</td>
<td>South Reef</td>
</tr>
</tbody>
</table>

Type of well: (Drill, driven, bored, or drilled) Equipment used: Power shavel (Chute drill, rotary, other)

<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></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>150</td>
<td>ft.</td>
<td>drain pipe</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td></td>
<td>ft.</td>
<td>steel</td>
<td>two inch</td>
</tr>
</tbody>
</table>

Perforated or Screened: Ft. to Ft. to 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 17 gal. gal. per minute

How tested:

Length of test:

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

"TVPB cement block non-lined pierced top with travel packing,"
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Doe</td>
<td>Whitehall</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller Name</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ann Miller</td>
<td>Whitehall</td>
</tr>
</tbody>
</table>

Date Started: Nov. 9th
Date Completed: Dec. 19, 1968

Location: Sec. 32 T. P. R. 6 N. sec. South East

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Date</th>
<th>Equipment Used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(Driven, bored, or drilled)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Perforated or Screened: 48 ft. to 100 ft.

<table>
<thead>
<tr>
<th>Type of Screen or Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Plastic</td>
</tr>
</tbody>
</table>

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

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

Pumping Water Level: feet at three gal. per minute

How Tested:

Length of Test:

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

Gravel packing--four feet of cement block for shut-off into a underground steel pipe drain off.

(over)
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 233, Montana Session Laws, 1961)

BILLI KOUNTZ
(Name of Owner) Whitehall
(Addressee) (Town)
County of Jefferson, State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. The beneficial use on which the claim is based:
   (1) Domestic.
   (2) Irrigation.
   (3) Livestock.
   (4) Industrial.
   (5) Kennel.
   (6) Agricultural.
   (7) Fishing.

2. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   (1) 1954.7.15
   (2) 1961.10.22
   (3) 1956.5.17

3. The amount of groundwater claimed (in inches of rainfall per annum):
   (1) 2.25
   (2) 3.00
   (3) 1.75

4. If used for irrigation, give the acreage and description of the lands to which water was applied for irrigation:
   (1) 1/2 Acre
   (2) 1/4 Acre

5. The date of commencement and completion of the construction of the well, wells, or other means of withdrawal:
   (1) 1954.10.15
   (2) 1961.10.22
   (3) 1956.6.17

6. The depth of water table:
   (1) 20 feet

7. The estimated amount of groundwater withdrawn each year:
   (1) 2,000,000 gallons
   (2) 400,000 gallons

8. The depth of water table:
   (1) 20 feet

9. The date of commencement and completion of the construction of the well, wells, or other means of withdrawal:
   (1) 1954.10.15
   (2) 1961.10.22
   (3) 1956.6.17

10. The location of the well or other means of withdrawal:
   (1) 20 feet

11. The date of commencement and completion of the construction of the well, wells, or other means of withdrawal:
   (1) 1954.10.15
   (2) 1961.10.22
   (3) 1956.6.17

12. The amount of groundwater withdrawn each year:
   (1) 2,000,000 gallons
   (2) 400,000 gallons

Signature of Owner: [Signature]
Date: December 23, 1962

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to Montana Bureau of Mines & Geology, and Quadruplicate for the appropriation.

11/80
<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albert C. Tode</td>
<td>Route one</td>
<td>Whitehall</td>
<td>Jefferson</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

2. The beneficial use on which the claim is based is: Irrigation, Household use, Livestock.

3. Date or approximate date of earliest beneficial use: January 1, 1862.

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

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

   Approximately 40 acres irrigated pasture and tiled land.

   Albert C. Tode and Donna M. Tode, owners.

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

   Point for household use, piped for irrigating purposes, also used through irrigation.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Unknown. The L.E.4. was homesteaded 1862. Some was on the land others described later.

8. The depth of water table: Two wells 21 feet, others 15 to 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:

   One drilled well, 120 feet, 21 foot deep. One drilled well, 120 feet, 21 foot deep. A line of springs drained into three ditches 5 feet wide, 2 to 3 feet deep.

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

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:

   Albert C. Tode
   Signature of Owner
   Donna M. Tode
   Date: March 14, 1983

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.
82 140

RECORDS OFFICE
Jefferson County, Montana

Filed for record 1th 2 Lat a March
9 M. 62 at 8:45, o'clock A. M.

A. L. II
County Recorder
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Schneider Robert B.</td>
<td>NW4</td>
<td>93154</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Buxton of the Missouri</td>
<td>N2W2</td>
<td>90635</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Gilbert Ted</td>
<td>NW2</td>
<td>98327</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Johnson Pat H.</td>
<td>S4W4</td>
<td>98210</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>King Bruce</td>
<td>NW2</td>
<td>98755</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Kuthle Bruce</td>
<td>NW2</td>
<td>98868</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Johnson John H.</td>
<td>NW2</td>
<td>90796</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Scott John</td>
<td>SWW2</td>
<td>90052</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>lush John</td>
<td>NW2</td>
<td>96736</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Lishman Robert</td>
<td>NW2</td>
<td>98826</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Lishman Robert</td>
<td>NW2</td>
<td>98646</td>
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<tr>
<td>32</td>
<td>Lushman John</td>
<td>NW2</td>
<td>94580</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Lushi John</td>
<td>NW2</td>
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</tr>
<tr>
<td>34</td>
<td>Lushin John</td>
<td>NW2</td>
<td>94638</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Lushin John</td>
<td>NW2</td>
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<td></td>
</tr>
<tr>
<td>35</td>
<td>Lushim John</td>
<td>NW2</td>
<td>98849</td>
<td></td>
</tr>
<tr>
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<td>NW2</td>
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</tr>
<tr>
<td>35</td>
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<td></td>
</tr>
<tr>
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<td>NW2</td>
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</tr>
<tr>
<td>36</td>
<td>Lushim John</td>
<td>NW2</td>
<td>98782</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Lushim John</td>
<td>NW2</td>
<td>98408</td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

- Edwardo Rios
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Robert A. Schroeder

County of Jefferson, State of Montana

I, the undersigned, do hereby declare that 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:

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 means 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 trying 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 Montana Bureau of Mines & Geology, and Quadruplicate for the Appropriator.
RECORDER’S OFFICE.

No.

Montana

Filed for record this 27th day of ...

A.M.

County Recorder

Feb. 5, 1913
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: 11-18-68
Owner of Land Management... Address, Dillon, Montana...
Contractor (if any).... None
Address of Contractor.... None
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. Excavated seepage area.
Cement catchment basin, with the water piped through
150' of 1/2" plastic pipe to a steel stockwater tank.

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. 3/4 gallon per
minute. Can and watch used to measure flow.
Livestock use - May 1 - December 1
Game - Yearlong

Signature of Owner...

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 Appropriaor.
90635

RECORDING OFFICE

Jefferson County, Missouri

Filed for record this 17th day of November, A.D. 18
d at 11 o'clock A.M.

Ester M. Davis
County Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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

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

Owner: Fred Haimer
Address: Box 234
Whitehall, Montana

Date well started: 6/1/63
GW 1.50 P

Date well completed: 6/30/63

Type of well: Drilled

Equipment used: Churn Drill

Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size and</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled Well</td>
<td>Depth of</td>
<td>ft</td>
<td>250</td>
<td>50' Cutting Tool</td>
</tr>
<tr>
<td>6&quot;</td>
<td>5/8</td>
<td>42'</td>
<td>50'</td>
<td></td>
</tr>
</tbody>
</table>

** Static water level...5 ft**
** Pumping water level...25... ft**
** Measured...39 gallons per minute,**
measured... minutes after pumping began.

*Measured from ground level.**
Well developed by...[Name] for... hours.
Power... Pump... HP
Remarks: (Gravel packing, cementing, packers, type of shutoff...)

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

Driller's Signature: (Signature)

Driller's Address: 3064, Burt's Avenue

Lutt, Montana 59731

LICENSE NO... 8

County: [County]

Driller's Log

DRILLER'S LOG

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

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0' 4' Clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4' 10' Gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>18' 45' Clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>45' 50' Sand, gravel &amp; water</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

3 GSP-5040204

53,880
RECORDING OFFICE
Jefferson County, Montana

Filed for record this 22nd day of July, 1923 in the Office of the
County Recorder, in and for the State of Montana.

Fees, $2.00

By

Carla O. Methner
deputy
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

J. H. JOHNS, of Whitefish, County of Jefferson, State of Montana

I, J. H. JOHNS, do hereby declare and declare that I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriator: J. H. JOHNS
   Address: Whitefish
   Town: (Address)

2. The beneficial use on which the claim is based: Domestic, livestock, irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1942, continuous

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 anent.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 21, 1942

8. The depth of water table: 50 feet

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

10. The estimated amount of groundwater withdrawn each year: 150,000 gallons

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

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

   Signature of Owner: J. H. JOHNS
   Date: December 1962

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

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