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: October 1963

Owner: L. S. & Emm L. Krapp. Address: 423 So. 8th Ave., Bozeman, Mont.

Contractor (if any): Engineered by ASC

Address of Contractor

Date Started: Oct. 6, 1963; Date Completed: Oct. 30, 1963

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Underground drainage flumes consisting of 5 gates can be closed to raise the water to nearly surface level. Underground depth of flumes ranges from 5 to 3 1/2 feet.

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

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

Sec. 16, T. 2 S., R. 5 E.

These two flumes 8 ft x 10 ft each flow about 35"

...inches each when not in use.

...Used intermittently from May 15th to September 30th.

Signature of Owner

Date: November 20, 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  
County of Gallatin  

Filed November 26, 1963  
at 120  P.M.  

By  

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

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 137, Montana Session Laws, 1961)

Date of Appropriation of Groundwater __October 1960__

Knapp
Owner. Lawrence S. & Emma L./Address. 423 South Ave.

Contractor (if any) Engineered by A.S.E.

Address of Contractor ____________

Date Started __August 1960__ Date Completed __November 5, 1960__

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Underground drainage flume consisting
of four (4) gates which can be closed to
raise the water to nearly surface level. Underground
depth of flume ranges from 8 feet to 4 feet.

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 ____________

This 8" x 10" flume flows about sixty (60) inches
of water when not in use. Intermittent use is from
May 15th to September 1st.

Signature of Owner ____________

Date __December 20, 1961__

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 School of Mines and Quadruplicate for the Appropriator.
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: 11/14/68
Owner: Lloyd L. Berman
Address: 851 Berman
Contractor (if any): none
Address of Contractor:
Date Started: Date Completed:

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

2) Means of withdrawing water (gravity, pump, canal, etc.)
   none (artesian)

3) Depth of water table:
   surface

4) Use of the water:
   Domestic
   Irrigation

5) Amount of groundwater claimed (in miner's inches or gallons per minute): 25 miner's inches

6) If used for irrigation, give number of acres and description of land:
   Garden: 1 acre

7) Estimate amount of water used each year:
   Signature of Owner: Lloyd L. Berman
   Date: 11/14/68

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

County of Gallatin

Filed June 14, 1982, at 5:15 o'clock P.M.

Carl D. Study
County Clerk & Recorder

By Beatrice Griego
Deputy

Fee $5.00
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator
   (Address) (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.

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

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner
Date

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

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

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

J. 3

1963 3 o'clock A.M.

EARL WALTON
COUNTY CLERK & RECORDER

Fee $2.00 pd
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

<table>
<thead>
<tr>
<th>Owner</th>
<th>Harold R. Owens</th>
<th>Address</th>
<th>Bowman, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>M. E. Jones</td>
<td>Address</td>
<td>Bowman, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>January 3, 1961</td>
<td>Date Completed</td>
<td>January 5, 1961</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 16 T 28 R 5 E, 1/4 sec. 56, Lot 11 NPM</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

Industrial [ ] Drainage [ ] Other: [ ]

Casing: Surface ft. to 11 ft. Type: Black Steel Size: 6 3/8 inch OD 15 lb.

Casing: ft. to ft. Type: Size: 

Casing: ft. to ft. Type: Size: 

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

Type of screen or perforation: 

Static Water level, for non-flowing well: 13 Feet 

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

Pumping water level: 41 ft. feet at 30 gal. per min. 

How tested: Pumping 

Length of test: two (20 hours) 

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 2 ft.</td>
<td>Top Soil</td>
</tr>
<tr>
<td>2 ft. 20 ft.</td>
<td>Gravel</td>
</tr>
<tr>
<td>20 ft. 25 ft.</td>
<td>Tight Sand</td>
</tr>
<tr>
<td>25 ft. 35 ft.</td>
<td>Fine Gravel</td>
</tr>
<tr>
<td>35 ft. 38 ft.</td>
<td>Tight Sand</td>
</tr>
<tr>
<td>38 ft. 39 ft.</td>
<td>Fine Gravel</td>
</tr>
<tr>
<td>39 ft. 41 ft.</td>
<td>Medium Gravel</td>
</tr>
</tbody>
</table>

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

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

**STAFFERSON**

Owner: John Joseph & Jo Ann  
Address: Star Route 3, Bozeman, Mont.  
Driller: Harri Halbert  
Address: Rt 1, Bozeman, Mont.

Date of Notice of appropriation of groundwater: August 1969

Type of well: Drilled  
Equipment used: Cable tool

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: PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cable</th>
<th>From Top</th>
<th>To Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>19 lb</td>
<td>19 1/2&quot;</td>
<td>6 1/2&quot;</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 14 feet.

Shut-in Pressure for Flowing Well: adegal. per minute.

Pumping Water Level: 6 gal. per minute.

Discharge in gal. per min. of flowing well: 150 gal.

How Tested: Pump at bottom

Length of Test: 6 hr 3 day hr

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.

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).
State of Montana  
County of Gallatin  
Filed May 15, 1969  
at 12:00 o'clock P.M.  
Carl L. Studer  
Clerk Clerk & Recorder  
By: Amos Harper  
Deputy  
Fee $2.50
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(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 ________________
Address ________________
Contractor (if any) ________________
Address of Contractor ________________
Date Started ________________ Date Completed ________________

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 ________________

8. Months of year spring flows ________________

Frank J. Trunk & Son, Inc.
Address P.O. Box 1107 Bozeman, Mt. 59715

Date ________________

Signature of Owner ________________

Date ________________
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(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 this form may be returned.

Owner: Frank J. Trunk & Son, Inc.
Address: P. O. Box 1107 Bozeman, Mt. 59715
Contractor (if any): self
Address of Contractor: 
Date Started: 6-7-71 Date Completed: 6-22-71

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

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

3. Depth of water table
   variable

4. Use of the water
   irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 200 miners inches

6. If used for irrigation, give number of acres and description of land 70 acres

7. Estimate amount of water used each year 200 miners inches

8. Months of year spring flows not applicable

Signature of Owner: 
Date: March 21, 1972
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(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: Frank J. Trunk & Son, Inc.
Address: P.O. Box 1187, Bozeman, MT 59715
Address of Contractor: self

Date Started: 7-13-72
Date Completed: 7-20-72

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

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

3. Depth of water table variable

4. Use of the water irrigation

5. Amount of groundwater claimed (in miner's inches or gallons per minute) 101 miners inches

6. If used for irrigation, give number of acres and description of land 70 acres

7. Estimate amount of water used each year 200 miners inches

8. Months of year spring flows

Signature of Owner: Walter D. Trunk
Date: 7-20-72
State of Montana  
County of Gallatin  

Filed Aug 9, 1972
at 8:00 A.M.

By Ed M. Hersman
Deputy

Fee $15.00
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 as indicated in red on the attached form, the method or means used to develop the spring.

NOTE: Undeveloped springs are usually considered surface water and are therefore appropriated in an entirely different manner.

Thank you.

The soil developed by putting a mean line under a mean line, so that what you mean.

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

8. Months of year spring flows

Signature of Owner

Date
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
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.

<table>
<thead>
<tr>
<th>Owner</th>
<th>Frank J. Trunk &amp; Son</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Bozeman, Mt. 59715</td>
</tr>
<tr>
<td>Date well started</td>
<td>April 24, 1977</td>
</tr>
<tr>
<td>Date well completed</td>
<td>July 17, 1977</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Churn Drill</td>
</tr>
<tr>
<td>Water Use</td>
<td>Domestic</td>
</tr>
<tr>
<td>USE: If for irrigation, industrial, drainage or other. Explain state number of acres and location or other data (i.e. Lot, Block and Addition).</td>
<td></td>
</tr>
<tr>
<td>ESTIMATED ANNUAL WITHDRAWAL</td>
<td></td>
</tr>
<tr>
<td>Size of well</td>
<td>8 ft.</td>
</tr>
<tr>
<td>Kind of water</td>
<td>17 ft.</td>
</tr>
<tr>
<td>Power</td>
<td>1/2 HP</td>
</tr>
<tr>
<td>Remarks</td>
<td>Gravel packing, cementing, packers, type of shutoff</td>
</tr>
<tr>
<td>Indicate location of well and place of use, if possible. Each small square represents 40 acres.</td>
<td></td>
</tr>
</tbody>
</table>

Driller's Signature: ________________
Driller's Address: Bozeman, Mt. 59715
License No. 17.
State of Montana
County of Gallatin

Filed: March 31, 1972
at 3:20 P.M.

Carl L. Stack
County Clerk & Recorder

Bridges
Deputy

Fee $ 75

# 3059
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: Gene Payne
Address: Star Rt, Box 37
Bogay, MT 59715

Date well started: Probable 1962
Completed: GW 1

Type of well: Drilled
Equipment used: Unknown

Water Use: Domestic, Municipal, Stock, Irrigation

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: 200,000 gal.

Top of Ground

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

Static water level: ft.
Pumping water level: ft.

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: 
Driller's Address: 
LICENSE NO: 

Unknown: Show exact depth of bottom.
State of Montana, ss.
County of Gallatin
Filed Aug 25, 1971
at 4:30 o'clock P.M.
Carl E. Stucky
County Clerk & Recorder
By Celia M. Hancey
Deputy
Fee $2.00 Ed.
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.

Gene F. & Glyta B. Patte
Owner

Address Star Route, Box 39
Bosman, Mt. 59715

Date well started Dec. 11, 1972
completed Dec. 15, 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 date (i.e. Lot, Block and Addition).

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

Driller’s Address 2103 Bridger Drive
Sorlanden, Montana LICENSE NO. 17

Static water level 13 ft.
Pumping water level 50 1/2 ft.
at 16 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by Pumped for 1 hours.

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

Show exact depth of bottom

50 1/2
State of Montana  
County of Gallatin  
Filed: April 13, 1973  
at 10:30 a.m.  
Carl L. Stucky  
County Clerk & Recorder  

R. C. Bridge  
Deputy  

Fee $5.00
**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE, MONTANA DEPARTMENT OF NATURAL RESOURCES**

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

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

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

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

---

**Owner:**

**Address:** Bozeman, Mont.

**Date well started:** May 5, 1971

**Date well completed:** May 7, 1971

**Type of well:** Drilled

**Equipment used:** Cable tool

**Water Use:** Domestic

**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:** 10,000 GALLONS

---

**Top of Ground:**

<table>
<thead>
<tr>
<th>Strata</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>Soil</td>
<td></td>
</tr>
<tr>
<td>4-10</td>
<td>Soil &amp; gravel</td>
<td></td>
</tr>
<tr>
<td>10-20</td>
<td>Gravel &amp; sand</td>
<td></td>
</tr>
<tr>
<td>20-30</td>
<td>Gravel &amp; sand</td>
<td></td>
</tr>
<tr>
<td>30-50</td>
<td>Gravel &amp; sand &amp; water</td>
<td></td>
</tr>
</tbody>
</table>

---

**Static water level:** 5 ft.

**Pumping water level:** 7 ft.

**Gallons per minute:** 50

**Minutes after pumping began:** 60

*Measured from ground level.

**Power:** 3 HP

**Pump:** 

**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:**

**Driller's Address:** Rt. One, Bozeman, Montana

**Hulbert Drilling**

**LICENSE NO. 47**

---

**COUNTY:** Gallatin

**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.
State of Vermont
County of Chittenden

Filed, March 25, 72
at 5:00 o'clock P.M.

By

Fee $25.00
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, as indicated in red on the enclosed form, the complete location of the well by township, range and section.

**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 Drilled Hole</th>
<th>Size and Weight of Casings</th>
<th>Pump Size (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; 6 5/8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.0</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 above</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>none</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Static water level:** 5 ft. above ground level.
- **Pumping water level:** 16 ft. above ground level.

**Remarks:**
- Measured from ground level.
- Well developed by drilling for 3 hours.
- Power: 5 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 Address:**
- Rt. One, Bozeman, Montana

**Hulbert Drilling**

**LICENSE NO. 47.**

**Show exact depth of bottom**

**50/33**
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF GROUND WATER

Developed after January 1, 1962

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

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

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

Owner: ____________

Address: ____________

Date well started: ____________

Date well completed: ____________

Type of well: drilled

Equipment used: cable tool


Industrial: X Drainage: X Other: X Garden/Lawn: X

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 (US. GAA.):

<table>
<thead>
<tr>
<th>Size of Drilled</th>
<th>Time and Depth of Drilling</th>
<th>Time and Depth of casing</th>
<th>Time and Depth of Localization</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8</td>
<td>0.D.</td>
<td>I above</td>
<td>SI</td>
</tr>
</tbody>
</table>

PERFORATIONS:

Static water level: ____________ ft

Pumping water level: ____________ ft

at 50 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by ____________ HP, for ____________ 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: ____________

Driller’s Address: ____________

Hubert Drilling

LICENSE NO. 7.

50/33
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

Montana State College
(Stater Appropriator) of Bozeman, (Address) (Town)
County of Gallatin State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 1955

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 25 gallons/minute

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

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 August 13, 1957

8. The depth of water table 6'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater 4' well - 72' deep

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

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

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

Signature of Owner

Montana State College
Supt., U. of Physical Plant
Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Montana State College of Bozeman
(Name of Appropriator) (Address) (Town)

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

2. The beneficial use on which the claim is based: Domestic - (Veterinary Research - Diagnostic Laboratory)

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: August 1960 - used continuously since completion.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 500 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: One pumped well - located in building

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

8. The depth of water table: 5'

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' cased well, 10' perforated casing, total depth

10. The estimated amount of groundwater withdrawn each year: 650,000 gal/year

11. The log of formations encountered in the drilling of each well if available: 0-2' Top Soil; 2-35' loose sand & gravel; 35-96' cemented sand & gravel & boulders; 96-99' yellow clay; 99-101' coarse gravel; 101-106' fine silty gravel, clay & sand

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 available

Signature of Owner: M.F. Hohalm
Date: January 10, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

Hmontana State College

(Name of Appropriator) (Address) (Town)

Gallatin State of Montana

County of Gallatin

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

1. 

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

3. Date or approximate date of earliest beneficial use: and how continuous the use has been: 1944

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: One drilled 1944, other unknown

8. The depth of water table: 7 5' 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: Both wells - 4' casing, both 40' deep

10. The estimated amount of groundwater withdrawn each year: 20,000 gai/year

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

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

Signature of Owner: M. F. Whalen
Cpt. Surv. of Physical Plant
Date: January 31, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Montana State College                        Bozeman
   (Name of Appropriator)                      (Address) (Town)
   County of Gallatin                         State of Montana

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

   2. The beneficial use on which the claim is based  Stock watering

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been  August 1960 - used continuously since completion.

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  Pumped well, (located in pumphouse at Beef Nutrition Center)

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

   8. The depth of water table  1'6"

   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  Cased well, 45' deep

   10. The estimated amount of groundwater withdrawn each year  300,000 gallons/year

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

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

   Gallatin
   Signature of Owner
   Date  January 30, 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, state so; 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 Custer

Filed April 1, 1963
at 2 o'clock P.M.
COUNTY CLERK & RECORDER

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

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

STATE ENGINEER

1. Montana State College (Name of Appropriator)
   of: Bozeman (Address)
   County of: Gallatin (Town)
   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 Stock watering

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: January 1958 - use has been continuous since then

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 55 gallons per minute

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pumped; well located in pumphouse at Dairy Center

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: August 1967

   8. The depth of water table: 0'

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 6 Cased Well, 72 ft. Deep, (bottom 10 ft of casing perforated)

   10. The estimated amount of groundwater withdrawn each year: 600,000 gals/year

   11. The log of formations encountered in the drilling of each well if available: 0 - 6' Top Soil; 6 - 72' - mixed sand and gravel

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

   Signature of Owner: M. T. McAulay
   Date: January 30, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. FRANK KOUNTZ, JR. (Name of Appropriator)
   85 Whitehall (Address)
   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: Irrigation, stockwater and domestic

3. Date or approximate date of earliest beneficial use: Used continuously since about 1880

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Subirrigation on entire ranch - 100 inches from natural water course also

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 Shown on shaded area

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Natural subirrigation - also natural stream water gaged in channel from underground sources

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Time immemorial - farmed since 1880

8. The depth of water table Varies from 1 ft. to surface seasonally

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 Subirrigation and also irrigated by ditch system. Also, a vertical well with 6' steel casing and electric jet pump to a depth of approximately 40 feet - well provides water for 3 dwellings, including yard and garden irrigation

10. The estimated amount of groundwater withdrawn each year: 60,000,000 gallons

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

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

Signature of Owner: 
Date: December 30, 1960

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; Triplicates 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 by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Andrew & Helen Ohlenburger
319 N. Williams
Owner
Address: Butte, Mont.

Date of Notice of appropriation of groundwater: January 2, 1964

Date well started: January 2, 1964
Date completed: January 2, 1964

Type of well: Drilled
Equipment used: Churn drill (Driven, bored or drilled)
Water use: Domestic

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

<table>
<thead>
<tr>
<th>Strata Met With</th>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>0-2</td>
</tr>
<tr>
<td>Clay</td>
<td>2-5</td>
</tr>
<tr>
<td>Shale</td>
<td>5-15</td>
</tr>
<tr>
<td>Gravel</td>
<td>15-38</td>
</tr>
<tr>
<td>Sand</td>
<td>38-40</td>
</tr>
<tr>
<td>Clay</td>
<td>40-42</td>
</tr>
<tr>
<td>Gravel</td>
<td>42-43</td>
</tr>
<tr>
<td>Bottom of Well</td>
<td>40</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.

Static Water Level for non-flowing well: 6 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 24 feet at 28 gal. per minute.
Discharge in gal. per min. of flowing well:

How Tested:
Length of Test:
Remarks: (Gravel packing, cementing, packers, type of shutoff):

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

Driller's License Number

Driller's Signature
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>No. 4</th>
<th>1/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec. 15</td>
<td>T2S</td>
</tr>
</tbody>
</table>

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

1. **Montana State College**
   - Name of Appropriator
   - Address
   - 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**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **Unknown. Continuous use since College acquired farm in December 1958.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **25 gallons/minute**

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

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

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

8. The depth of water table: **3' 5"**

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: **Unknown**

10. The estimated amount of groundwater withdrawn each year: **20,000 gal/year**

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

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

**Signature of Owner**

**M.P. Mehler**

**Supt., U. of Physical Plant**

**Date**

January 30, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines; 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)

Earl C. Allen
of Selvat

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.
   - residence
   - lawn and garden

3. Date or approximate date of earliest beneficial use; and how continuous
   the use has been since May 5, 1961.
   - daily

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

5. If used for irrigation, give the average and description of the lands
   to which water has been applied and name of the owner thereof.
   - none except for lawn and garden

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

7. The date of commencement and completion of the construction
   of the well, wells, or other works for withdrawal of groundwater.
   - started May 3, 1961; completed May 3, 1961

8. The depth of water table.
   - 24 ft. depending on time of year

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.
   - drill and bail out with 3 inch pipe

10. The estimated amount of groundwater withdrawn each year.
    - 200,000 gallons per year

11. The log of formations encountered in the drilling of each well if available.
    - 2 ft. surface

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: Earl C. Allen
Date: 5/3/61

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of
Mines and Geology; and Quadruplicate for the Appropriate.
1539

San Gallo
<table>
<thead>
<tr>
<th>Owner</th>
<th>Lewis M. Arnold</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Bozeman, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>W. E. Jones</td>
</tr>
<tr>
<td>Address</td>
<td>Bozeman, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>April 11, 1959</td>
</tr>
<tr>
<td>Date Completed</td>
<td>April 15, 1959</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 16 T 2 S R 5 E ¼ sec SW Lot 9 MPM</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic [X]</td>
</tr>
<tr>
<td></td>
<td>Municipal [ ]</td>
</tr>
<tr>
<td></td>
<td>Stock [ ]</td>
</tr>
<tr>
<td></td>
<td>Irrigation [X]</td>
</tr>
<tr>
<td></td>
<td>Industrial [ ]</td>
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<tr>
<td></td>
<td>Drainage [ ]</td>
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<tr>
<td></td>
<td>Other:</td>
</tr>
<tr>
<td>Casing:</td>
<td>Surface ft. to 30 ft.</td>
</tr>
<tr>
<td></td>
<td>Type Black Steel</td>
</tr>
<tr>
<td></td>
<td>Size 6 5/8 In. OD 15 lb.</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td></td>
<td>Type:</td>
</tr>
<tr>
<td></td>
<td>Size:</td>
</tr>
<tr>
<td>Perforated or Screened: Ft. to Ft.</td>
<td>Ft. to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>10 Feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb. sq. in. on:</td>
</tr>
<tr>
<td></td>
<td>(date)</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>30 feet at 15 gal. per min.</td>
</tr>
<tr>
<td>How tested:</td>
<td>Well</td>
</tr>
<tr>
<td>Length of test:</td>
<td>(1) One Hour</td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>Surface</td>
<td>2 ft. Top Soil</td>
</tr>
<tr>
<td>2 ft.</td>
<td>19 ft. Gravel</td>
</tr>
<tr>
<td>19 ft.</td>
<td>24 ft. Tight Sand</td>
</tr>
<tr>
<td>24 ft.</td>
<td>36 ft. Fine Gravel &amp; Sand</td>
</tr>
<tr>
<td>34 ft.</td>
<td>36 ft. Tight Sand</td>
</tr>
<tr>
<td>36 ft.</td>
<td>38 ft. Fine Gravel &amp; Sand</td>
</tr>
<tr>
<td>38 ft.</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

State of Montana

Appropriation Code

Notice of Completion of Groundwater Appropriation

Date: October 12, 1968

Applicant: Harold Helmers

Address: North 1st, Helena, MT

Well Location: [Diagram of Well Location]

Condition of Groundwater: [Diagram of Water Level]

Type of Well: [Diagram of Well Type]

Water Use: [Diagram of Water Use]

Remarks: [Diagram of Remarks]

This form to be completed 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. The form must be returned to the Office of the State Engineer.

[Signature]

[Driller's Signature]

[License Number]

[Return Date]

[File Number]
State of Montana
County of Gallatin
Filed: Oct 15, 1966
at 12:30 o'clock P.M.

S, of Stubs
County Clerk & Recorder

/\.
Be My Rose Griggs
Deputy

accept
MONTANA BUREAU OF MINES AND GEOLOGY
Sulite, Montana

WATER WELL LOG

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

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

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
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<tbody>
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</table>

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>S.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

Type of well: ____________

Equipment used: ____________

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

Industrial [ ] Drainage [ ] Other [ ]

Casing: ____________ ft. to ____________ ft. Type ____________ Size ____________

Casing: ____________ ft. to ____________ ft. Type ____________ Size ____________

Casing: ____________ ft. to ____________ ft. Type ____________ Size ____________

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

Type of screen or perforations: ____________

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

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

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

How tested: ____________

Length of test: ____________

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

(over)
If

Form No. 18
S-60

T. 2 S R. 5 E
County Gallatin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Charles E &amp; Louise J. Cline</th>
<th>Address</th>
<th>Bozeman, Mont</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>George Dalay</td>
<td>Address</td>
<td>Bozeman, Mont</td>
</tr>
<tr>
<td>Date Started</td>
<td>5/17/19</td>
<td>Date Completed</td>
<td>5/27/19</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 15 T. 2 S R. 5 S 1/4 sec. 4 acres</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Cable tools</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>
<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>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>ft. to ft.</th>
<th>ft. to ft.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>Six feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>30 lb./sq. in. on:</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>17 feet at 20 gal. per min.</td>
</tr>
<tr>
<td>How tested:</td>
<td>Later</td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>

(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>0</td>
<td>3</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>3</td>
<td>31</td>
<td></td>
<td>Sand</td>
</tr>
</tbody>
</table>
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>3</td>
<td>Top soil</td>
</tr>
<tr>
<td></td>
<td>3</td>
<td>31</td>
<td>Sand, gravel and cinders</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEERS

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 18-80
Owner
Address
Contractor (if any)
Address of Contractor
Date Started
Date Completed

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

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

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

Signature of Owner
Date

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

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

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

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

## Owner

**Address:**

## Driller

**Address:**

## Date Started

**Date Completed:**

## Location

Sec. 16, T. 25 S., R. 56 E., 

**1/4 sec. 5E 1/4**

## Type of well

- (Dug, drilled, bored, or driven)
- Equipment used:

## Water use

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

## Casing

- From ft. to ft. Type Size
- From ft. to ft. Type Size
- From ft. to ft. Type Size

## Perforated or Screened

- From ft. to ft. Type
- From ft. to ft.

## Type of screen or perforations

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

---

## Shut-in pressure, for flowing well:

---

## Pumping water level:

---

## How tested:

---

## Length of test:

---

## Remarks:

(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From: 0</td>
<td>2</td>
</tr>
<tr>
<td>30' - 36'</td>
<td>Fine Gravel + Course Sand</td>
</tr>
<tr>
<td>36' - 40'</td>
<td></td>
</tr>
<tr>
<td>40' - 45'</td>
<td></td>
</tr>
<tr>
<td>45' - 50'</td>
<td></td>
</tr>
<tr>
<td>50' - 55'</td>
<td></td>
</tr>
<tr>
<td>55' - 60'</td>
<td></td>
</tr>
<tr>
<td>60' - 65'</td>
<td></td>
</tr>
<tr>
<td>65' - 70'</td>
<td></td>
</tr>
<tr>
<td>70' - 75'</td>
<td></td>
</tr>
<tr>
<td>75' - 80'</td>
<td></td>
</tr>
<tr>
<td>80' - 85'</td>
<td></td>
</tr>
<tr>
<td>85' - 90'</td>
<td></td>
</tr>
<tr>
<td>90' - 95'</td>
<td></td>
</tr>
<tr>
<td>95' - 100'</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: Driller's Name
Address: B. J. O'Kane

Date of Notice of Appropriation: Feb. 16, 1964
Date Well Started: Feb. 16, 1964
Date Well Completed: Feb. 16, 1964

Type of Well: Drilled
Equipment Used: Churn drill, rotary or other

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

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

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Thickness (Feet)</th>
<th>Water Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sand</td>
<td>3</td>
<td>2</td>
</tr>
<tr>
<td>Gravel</td>
<td>2</td>
<td>1</td>
</tr>
<tr>
<td>Sand</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 8 feet
Shut-in Pressure for Flowing Well: 30 psi
Pumping Water Level: 39½ feet at 27 gal. per minute
Discharge in gal. per min. of flowing well: 
How Tested: Flow Tested
Length of Test: 

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other 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
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.