Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: November 1, 1961

Owner: James C. & Joan L. Ray
Address: 10 East Main Street

Contractor (if any): None
Address of Contractor: None

Date Started: N.A.; Date Completed: N.A.

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

Natural spring

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

SW 1/4, Sec. 18, T. 48 S., R. 4 E.

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.

Estimate of 10 miners' inches per minute; used 8 months per year for stock water

Signature of Owner: James C. Ray
Date: December 26, 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 12/30 1963
at 2:00 o'clock

EARL WALTON
COUNTY CLERK

FEE $2.00

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

Owner: Donald R. Edens
Address: Gallatin Gateway

Driller: Donald C. Jones
Address: Bozeman, Montana

Date of Notice of Appropriation of Groundwater: 10/24/42
Date Well Started: 11/9/62
Date Completed: 11/9/62

Type of Well: Drilled
Equipment Used: Churn Drill

Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8&quot; OD x 10&quot;</td>
<td></td>
<td>2' above ground</td>
<td>81'</td>
<td>none</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 106 feet.
Shut-in Pressure for Flowing Well: 145 feet at 20 gal. per minute.
Pumping Water Level: 145 feet.

Discharge in gal. per min. of flowing well: 16 gal.
How Tested: Bailer
Length of Test: 1 hour
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) none

Driller's License Number: 17
Driller's Signature: Donald C. Jones

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.
# 582

State of Montana
County of Gallatin

January 25, 1963
Filed
8:10 o'clock A.M.

By:

By:

Fee:

2.00

By:

Deputy

County Clerk & Recorder
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: November 1, 1961

James C. & Joan L.
Owner: Ray dha Spanish Address: 110 East Main Street
Creek Ranches
Bozeman, Montana

Contractor (if any): None
Address of Contractor: None

Date Started: N.A. Date Completed: N.A.

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

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: estimate of 10 miners' inches per minute; used 8 months per year for stock water

Signature of Owner: James C. Ray
Date: December 26, 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 Appropriate.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

First

Owner: Presbyterian Church  Address: Bozeman

Driller: M. E. Jones  Address: Bozeman

Date of Notice of Appropriation of Groundwater

Date well started: May 3, 1966  Date Completed: May 7, 1966

Type of well: Drilled  Equipment Used: Churn Drill

(Churn, drill, rotary or other)

Water Use: Domestic  Municipal  Other  Irrigation

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

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shale</td>
<td>6&quot; 6&quot; ID x 15#</td>
<td>1 1/2' above gr.</td>
<td>39'</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>5&quot; ID x 15#</td>
<td>6' below ground</td>
<td>99'</td>
<td>40' 98'</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 35 feet.

Shut-in Pressure for Flowing Well: ___.

Pumping Water Level: .99 feet at 20 gal. per minute.

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

How Tested: Boiler  Length of Test: 1 hour

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

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
State of Montana
County of Gallatin
Filed: April 25, 1967
at 11:30 a.m.

By: D.L. St大脑
Deputy

Fee $ 2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

Owner: Jan King
Address: Gallatin Gateway, Montana

Date well started: April 25, 1972
Date well completed: May 1, 1972

Type of well: Drilled
Equipment used: Cable tools

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>Sizes of Drill Bit</th>
<th>Size and Weight of Drilling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>5/64&quot;</td>
<td>0</td>
<td>39</td>
<td>none</td>
</tr>
</tbody>
</table>

Static water level: 23 ft.
Pumping water level: 33 ft.
at: 20 gallons per minute, measured 60 minutes after pumping began.

**Measured from ground level.**

*Well developed by surging for 2 hours.*

*Power: Pump HP*

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

*Drill cuttings shutoff outside of casing.*

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

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

LICENSE NO. 59,979
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: D. B. Johnson
Address: 806 S. 9th Ave

Date of Notice of appropriation of groundwater

Date well started: Nov. 30, 1965
Date completed: Mar. 4, 1969

Type of well: Drilled
Equipment used: Churn drill, rotary or other
Water use:
Domestic □ Municipal □ Stock □ Irrigation □
Industrial □ Drainage □ Other □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

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.

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, tissue copy 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
State of Montana
County of Gallatin

Filed: November 10, 1969
at 9:30 o'clock a.m.

Carl L. Steddy
County Clerk & Recorder

By: F. Nelson Maitland
Deputy

Fee $200.00
## Notice of Completion of Groundwater Appropriation by Means of Well

**DEVELOPED AFTER JANUARY 1, 1963**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** M.F. Jones  
**Address:** Bitterroot

**Driller:** M.F. Jones  
**Address:** Bitterroot

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

**Date well started:** Sept. 29, 1967  
**Date completed:** Oct. 12, 1967

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

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

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

### PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Feet</th>
<th>Size</th>
<th>From</th>
<th>Feet</th>
<th>To</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>88 X 23</td>
<td>34'</td>
<td>51&quot;</td>
<td>10'</td>
<td>87'</td>
<td>N</td>
<td>140'</td>
</tr>
</tbody>
</table>

### Static Water Level for non-flowing well

57 feet.

### Shut-in Pressure for Flowing Well

### Pumping Water Level: 140 feet

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

### How Tested: Bail Test

### Length of Test: 114.8"

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

---

**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).**

---

**County Clerk and Recorder in the county in which the well is located, tissue copy to be returned by driller.**

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

---

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

Filed November 30, 1967
at 2:00 o'clock p.m.

C. I. S. Stick
County Clerk & Recorder

By: Donald A. Wipperman
Deputy

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

Owner: L.C. Rock
Address: Gallatin Gateway

Driller: Harold Halbert
Address: Route 1, Bozeman

Date of Notice of appropriation of groundwater.................................................................
Date well started...July 13, 1965...Date completed...July 22, 1965

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

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

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

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per minute.

How Tested: Pump

Length of Test: 4 hours

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, times copy 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
STATE WATER CONSERVATION BOARD

File No. 
DUPLICATE

NOV 1 1965

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, 1963
(Under Chapter 237, Montana Session Laws, 1961)

Owner: L.C. Beck  Address: Galin Galveston
Driller: Harold Holbert  Address: Route 1, Bozeman

Date of Notice of appropriation of groundwater: _____________________________
Sept 27, 1965
Date well started: _____________________________  Date completed: _____________________________
Oct. 4, 1965

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

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7''</td>
<td>19 lb</td>
<td>6'</td>
<td>5/8'' C.D.</td>
<td>2 above</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 15 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level 16 feet
at 24 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: bailer & pump
Length of Test: 1 hr. 1 hr. bailer

Remarks: (Gravel packers, welling packers, type of shut-off, etc.)

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).

Show exact depth of bottom.

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

34737
State of Montana
County of Gallatin

Filed October 29, 1965
at 2:15 o'clock P.M.

GARL L. STICKY
CLERK & RECORDER

Fee $2.00 pd.
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 filled 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: Edward M. Castor
Address: 120 W. Story

Date well started: July 24, 1970
Date well completed: July 28, 1970

Type of well: Drilled
Equipment used: Cable tool

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

Describe: 

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Site of Control Hole</th>
<th>Site of Well Control</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6 5/8</td>
<td></td>
<td>27 6&quot;</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level: 12 ft.
Pumping water level: 14 ft.

Power: 280v 1hp pump, 3/4 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: 120 W. Story, Bozeman, Montana
State of Montana  
County of Gallatin  

In the County Court of Gallatin County, Montana, on the 4th day of August, 1970, at 9:35 o'clock A.M., in the presence of the undersigned County Clerk & Recorder. 

Carl L. Shelly  
County Clerk & Recorder  

Beverly J. Griggs  
Deputy  

We, the undersigned Deputy, do hereby certify that the above and foregoing are true and correct.  

3. S.R.  

2297
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: Edward H. Chaves
Address: 1120 W. Story

Date well started: July 24, 1970
Date well completed: July 28, 1970

Type of well: Drilled

Equipment used: Dibble tool

Water use: Domestic [x] Other [ ]

Estimate annual withdrawal: 10,000 gal.

Static water level: 14 ft.
Pumping water level: 14 ft.

Well developed by Sub Pump for 8 hours.

Power: 5/4 HP

Remarks: (Gravel packing, cementing, etc.)

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

Each small square represents 40 acres.

Driller's Signature: [Signature]
Driller's Address: RT 1 Bozeman, Montana

LICENSE NO. 47
## 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:** Donald J. DeCosse & Veronica C. DeCosse

**Address:** Bozeman, Montana

**Date well started:** July 24, 1970

**Date well completed:** July 25, 1970

**Type of well:** Drilled

**Equipment used:** Cabled tool

**Water Use:** Domestic, Municipal, Irrigation

**Describe USE:**

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

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Diameter of Hole</th>
<th>Stock and Height of casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>Kind</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6 5/8</td>
<td>36</td>
<td>None</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Static water level: 20 ft.
- Pumping water level: 21 ft. measured at 50 gallons per minute, measured 30 minutes after pumping began.
- Measured from ground level.

**Lot & Cliff Manor Subdiv:**

T. 28 N., R. 64 W., Sec. 29

**Power:** 250 HP

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

**Driller’s Signature:**

**Driller’s Address:** Rt 1, Bozeman, Montana

**LICENSE NO.** 47

**County:** Gallatin 29
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.

Donald J. DeCosa &
Ypsilanti O. DeCosa

Owner
Address: Rosemary, Mont.

Date well started: July 5, 1970
Completed: July 21, 1970

Type of well: Drilled
Equipment used: 4-1/2 HP
Water Use: Domestic [x] 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 if Lot, Block and Addition)

ESTIMATED ANNUAL WITHDRAWAL

[Table with data]

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

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Other Data

Lot 4 Cliff Manor Subdiv

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

Driller's Signature

Driller's Address

License No.

Show exact depth of bottom
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: May 1, 1945
Owner: Len King
Address: Gallatin-Gateway
Contractor (if any): None
Address of Contractor:

Date Started: May 1, 1945
Date Completed: May 1, 1945

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

Surface water in the form of running springs, and one flowing creek.

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.

Year-round use as water for grazing livestock.

Signature of Owner: Len King
Date: December 7, 1963

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.

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

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

Filed December 26, 1963
at 1:22 o'clock P. M.

Karl Walton
COUNTY CLERK & RECORDER

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 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Nov. 10, 1945
Len and Marguerite
Owner: King
Address: Gallatin Gateway,

Contractor (if any): None
Address of Contractor:

Date Started: Nov. 10, 1945
Date Completed: May 2, 1946

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

600 gallons per minute. Measured with flume, steel barrel and stop-watch. Water used for stock water, household, and grass irrigation.

Stock and household use all year. Irrigation in growing season only.
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:

See above.

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

Signature of Owner: Len King, Marguerite King
Date: October 31, 1962

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE WATER CONSERVATION BOARD

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

Owner: Phillip M. Sawyer
Address: Bozeman

Driller: Harold Hubert
Address: Route 1, Bozeman

Date of Notice of appropriation of groundwater: July 26, 1965
Date well started: July 26, 1965
Date completed: July 29, 1965

Type of well: Drilled
Equipment used: Churn drill
Water use: Domestic □ Municipal □ Stock □ Irrigation □
Industrial □ Drainage □ Other □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Site and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td></td>
<td>I above</td>
<td>20</td>
<td>None</td>
</tr>
<tr>
<td>6'/5/8</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well at 14 feet.
Shut-in Pressure for flowing well after 50 feet at 30 gal. per minute.
Discharge in gal. per min. of flowing well at Pump 2 feet.
How Tested: Pump
Length of Test:

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.

Show exact depth of bottom.

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

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

Driller's License Number: [Signature]
Driller's Signature: [Signature]
State of Montana
County of Gallatin

Filed August 2, 1965
at 3:40 p.m.

CARL L. STUCKY

By

Fee $2.00 paid

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

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Carl F. Wahl, C. G. M. Wahl, Wahl Bros. Inc.

**Driller:** Harold Wahl

**Address:** 1719 E. 38th St.

**File No.:** 11

**Date of Notice of Appropriation of Groundwater:** Oct. 13, 1964

**Date Completed:** Oct. 23, 1964

**Type of Well:** Drilled

**Equipment Used:** Churn, drill, rotary or bored (indicate)

**Water Use:** Irrigation

**Site of Drilled Well:**

<table>
<thead>
<tr>
<th>Site of Drilled Well</th>
<th>Size and Weight of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>3 1/4</td>
<td>0</td>
<td>34</td>
<td>none</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing Well:** 23 feet

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

**Pumping Water Level:** 27 feet at 10 gal. per minute

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

**How Tested:** Drilled

**Length of Test:** 3.4 feet

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

**Static Water Level for non-flowing Well:** 23 feet

**Driller's License Number:** 47

**Driller's Signature:** Harold Wahl

---

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.
Notice of Completion of Groundwater Appropriation by Means of Well Developed After January 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

WEISS Canyon Route

Owner: Henry C. & Elizabeth

Driller: Harold Holbert

Address: Gallatin Gateway, Mont.

Date of Notice of appropriation of groundwater: 1962

Date completed: June 6, 1962

Type of well: Drilled

Equipment used: Cable tool

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>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>19 lb</td>
<td>0-6</td>
<td>0-6</td>
<td>none</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 89 feet

Shut-in Pressure for Flowing Well: 40 lbs

Pumping Water Level: 40 feet

Discharge in gal. per min. of flowing well: 13 gpm

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, tissues copy to be retained by driller.

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

Driller's License Number: 47

Driller's Signature: [Signature]

47, 337
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. J. Bender</td>
<td>Butte, Montana</td>
<td>H. Jones</td>
<td>Big horn</td>
<td>Nov 19</td>
<td>Dec 27</td>
</tr>
</tbody>
</table>

**Type of well**

( bore, driven, bored, or drilled)

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

**Equipment used**

( churn, drill, rotary, other)

- [X] Churn

**Water use**

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

**Casing**

- Type: [Y] Black
- Size: 6 in.
- Perforated or Screened: from ft. to ft.

**Type of screen or perforations**

more

**Static Water level, for non-flowing well**

30 feet.

**Shut-in pressure, for flowing well**

lb./sq. in. on:

**Pumping water level**

42 ft. at 24 gal. per min.

**How tested**

Pump

**Length of test**

2 hours

**Remarks**

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

(over)
LOG OF WELL

<table>
<thead>
<tr>
<th>Feet</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface to 6</td>
<td>Soil and boulders</td>
</tr>
<tr>
<td>6 to 30</td>
<td>Gravel &amp; boulders</td>
</tr>
<tr>
<td>30 to 42½</td>
<td>Fine sand and gravel</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

**STATE OF MONTANA**

**ADMINSITRATOR 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, Montanna Session Laws, 1961)

---

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>Soil</th>
<th>Clay &amp; rock</th>
<th>Gravel &amp; sand</th>
<th>Water Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elevation</td>
<td>0-3</td>
<td>3-15</td>
<td>15-24</td>
<td>24-28</td>
</tr>
<tr>
<td></td>
<td>Rock &amp; Clay</td>
<td>26-30</td>
<td>30-35</td>
<td>36-42</td>
</tr>
<tr>
<td>Date of Notice of appropriation of groundwater</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date well started</td>
<td>Aug 19, 1968</td>
<td>Date completed</td>
<td>Sept 19, 1968</td>
<td></td>
</tr>
</tbody>
</table>

---

**Owner:** [Signature]

**Address:** [Address]

**Driller:** Harold Hubert

**Address:** Route 1, Bozeman, Mont.

**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.**

---

**FICIAL WATER LEVEL for non-flowing well**

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72 feet</td>
</tr>
</tbody>
</table>

**Shut-in Pressure for Flowing Well**

<table>
<thead>
<tr>
<th>Pressure (psi)</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 psi</td>
</tr>
</tbody>
</table>

**Pumping Water Level**

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 feet</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Discharge (gal/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>100</td>
</tr>
</tbody>
</table>

**How Tested:** Reamer & Pump

<table>
<thead>
<tr>
<th>Length of Test (hrs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 hrs</td>
</tr>
</tbody>
</table>

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

---

**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**

Harold Hubert

**Driller's Signature**

44, 584
State of Montana
County of Gallatin ss.
Filed Sept 18, 1968
at 10:45 o'clock A.M.

Carl L. Stacy
County Clerk & Recorder

By Allan M. Hendry
Deputy

Fee $ 20.00 Pd.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Martha Irwin
Address: Bozeman

Driller: M.E. Jones
Address: Bozeman

Date of Notice of Appropriation of Groundwater: May 28, 1967
Date Completed: June 2, 1967

Type of well: Drilled
Equipment Used: Churn Drill

Water Use: Domestic [x] 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>Depth (Feet)</th>
<th>Kind of Strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>Boulder gravel</td>
</tr>
<tr>
<td>15</td>
<td>Clay</td>
</tr>
<tr>
<td>30</td>
<td>Sandy gravel</td>
</tr>
<tr>
<td>35</td>
<td>Boulder clay</td>
</tr>
</tbody>
</table>

Driller's License Number: 17
Driller's Signature: Milton E. Jones

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.
<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>State of Montana</td>
</tr>
<tr>
<td>B</td>
<td>County of Gallion</td>
</tr>
<tr>
<td>C</td>
<td>Presiding Judge</td>
</tr>
<tr>
<td>D</td>
<td>County Clerk of Court</td>
</tr>
</tbody>
</table>

- **State of Montana**
- **County of Gallion**
- **Presiding Judge**
- **County Clerk of Court**

---

**Notice to Mailing Address**

- **To:** [Mailing Address]
- **By:** [County Clerk of Court]
- **Date:** [Date]

---

**Received**

- **By:** [County Clerk of Court]
- **Date:** [Date]

---

**Notice to Parties**

- **To:** [Parties]
- **By:** [County Clerk of Court]
- **Date:** [Date]

---

**Certificate of Service**

- **By:** [County Clerk of Court]
- **Date:** [Date]

---

**Notice to Opposite Party**

- **To:** [Opposite Party]
- **By:** [County Clerk of Court]
- **Date:** [Date]
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Margaret J. Haddad
Address: 3200 Bullfield Ave, Baldwin, California

Driller: Harold Haddad
Address: B. B. Haddad

Date of Notice of Appropriation of Groundwater: 8/30/1964

Date Well Started: 8/30/1964
Date Completed: 10/1/1964

Type of Well: Drilled
Equipment Used: churn

Water Use: Other

<table>
<thead>
<tr>
<th>Strata</th>
<th>Depth (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>6-10</td>
</tr>
<tr>
<td>Clay</td>
<td>11-15</td>
</tr>
<tr>
<td>Rock</td>
<td>15-25</td>
</tr>
<tr>
<td>Gravel</td>
<td>25-30</td>
</tr>
<tr>
<td>Clay</td>
<td>30-36</td>
</tr>
<tr>
<td>Rock</td>
<td>36-42</td>
</tr>
<tr>
<td>Gravel</td>
<td>42-43</td>
</tr>
<tr>
<td>Sand</td>
<td>42-46</td>
</tr>
<tr>
<td>Gravel</td>
<td>46-52</td>
</tr>
<tr>
<td>Rock</td>
<td>52-57</td>
</tr>
<tr>
<td>Sand</td>
<td>57-60</td>
</tr>
<tr>
<td>Gravel</td>
<td>60-60</td>
</tr>
<tr>
<td>Water</td>
<td>60-60</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 51 feet
Shut-in Pressure for Flowing Well: 51 feet at 5 gal. per minute
Pumping Water Level: 51 feet
Discharge in gal. per min. of flowing well: 20
How Tested: Drill
Length of Test: 2 hrs
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation)

Driller’s License Number: 47
Driller’s Signature: N. H. Haddad

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
State of Montana  
County of Gallatin  
Filed October 15  
1964 at 10:15  
E. M.  
EARL WALTON  
COUNTY ATTORNEY  
60 pd.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Robert J. Klefer
Owner, L.V. Maxine Klefer
Address, Gallatin Gateway, Mont.

Date of Notice of Appropriation of Groundwater

Date well started, Nov, 30, 1964. Date Completed Dec. 4, 1966

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

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

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

<table>
<thead>
<tr>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled Casings</td>
<td>17½</td>
<td>77½</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: Pump
Length of Test: 1 hr.

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

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 School of Mines and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Description</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>State of Montana</td>
<td>ss.</td>
</tr>
<tr>
<td>County of Gallatin</td>
<td></td>
</tr>
<tr>
<td>Filed</td>
<td>Dec 16, 1966</td>
</tr>
<tr>
<td>at</td>
<td>4 p.m.</td>
</tr>
<tr>
<td>Carl L. Stecky</td>
<td>County Clerk &amp; Recorder</td>
</tr>
<tr>
<td>By</td>
<td>W. M. Hansen</td>
</tr>
<tr>
<td>Fee $3.00</td>
<td>Paid</td>
</tr>
</tbody>
</table>
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: James C. Lander
Address: 1330 Bear St., Missoula
Date well started: Dec. 25, 1971.

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>Site of Drilled Hole</th>
<th>Use and Weight of Parting</th>
<th>Depth (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 6 5/8</td>
<td>GI x 19</td>
<td>2'</td>
<td>71</td>
<td></td>
</tr>
</tbody>
</table>

Static water level... 10 ft.
Pumping water level... 71 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: Melene E. Jenkins
Driller's Address: 2103 Bridger Ave.

Bossmen, Montana
LICENSE NO. 12

Top of Ground (Same, same as top)

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>30</td>
<td>Boulder</td>
</tr>
<tr>
<td>30</td>
<td>50</td>
<td>Gravel</td>
</tr>
<tr>
<td>50</td>
<td>60</td>
<td>Boulder</td>
</tr>
<tr>
<td>60</td>
<td>68</td>
<td>Gravel</td>
</tr>
<tr>
<td>68</td>
<td>71</td>
<td>Sand &amp; Fine Gravel</td>
</tr>
</tbody>
</table>

Show exact depth of bottom
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: HORACE C. LUHAN
Address: FALL GATEWAY, MT.

Driller: DAVE JONES
Address: BOZEMAN, MONT.

Date of Notice of appropriation of groundwater
Date well started: SEPT. 23, 1969
Date completed: FEB. 23, 1969

Type of well: Dug
Equipment used: Churn drill
Water use: Domestic

Indicate on 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 (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel &amp; Boulders</td>
<td>15-30</td>
</tr>
<tr>
<td>Shale</td>
<td>30-40</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Measured Depth</th>
<th>0' 6'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Level</td>
<td>44'.</td>
</tr>
</tbody>
</table>

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 copy to be retained by driller.

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

Filed: June 13, 1971
at 11:10 o'clock A.M.

Carl C. Stecky
County Clerk & Recorder

By: Allie M. Haugan
Deputy

Fee $2.00 Ad.
Form No. 18

T. 41 S. R. 4E

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner: S. W. Pugh
Driller: L. W. Loughlin

Date Started: 1956
Date Completed: Same

Location: Sec. 23 T. 5 S. R. 4E 1 sec. NE 4, NW 4

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

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

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

Perforated or screened: Ft. __ to Ft. __. Ft. __ to Ft. __

Type of screen or perforations:

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

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

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

How tested: __

Length of test: __

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

(over)
## Montana Bureau of Mines and Geology
### Water Well Log

**Owner:** M. F. M. 
**Driller:** C. F. 
**Address:** Dillon, Montana

**Date Started:** 1956
**Date Completed:**

<table>
<thead>
<tr>
<th>Location:</th>
<th>Sec. 33 T. 15 R. 4E</th>
<th>sec. NE 1/4 NW 1/4</th>
</tr>
</thead>
</table>

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

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

**Casing:**  
- 0 ft. to 40 ft.  
- Type:  
- Size: 6"  

**Perforated or screened:**  
- Ft. 0 to Ft. 0  
- Ft. 0 to Ft. 0

**Type of screen or perforations:**

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

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

**Pumping water level:** feet at gal. per min. 31

**How tested:** Pump

**Length of test:** 2 hours

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

(over)
0 to 18" - top soil

gravel, sand, boulders, clay & shale
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

Declamation of Vested Groundwater Rights

(Name of Appropriator) of (Address) (Town)
County of (County) in the State of MONTANA

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

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

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 Appropriator.
# 754

State of Montana  
County of Gallatin  

Filed November 5, 1963  
at 10:40 o'clock A.M.  

EARL WALTON  

[Signature]  

GALLATIN COUNTY C  

By [Signature]  

Fee $2.00 pd
Form No. 18

Montana Bureau of Mines and Geology

Butte, Montana

Water Well Log

Catherine L. Thoreon
Owner
Address: 908 S. Tracy, Bozeman, Mont.

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

Date Started: April 13, 1961
Date Completed: April 24, 1961

Location: Sec. 33 T. 4S. R. 4E. 1/4 sec. Northeast

Type of well: drilled
Equipment used: churn

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

Casing: surface ft. to 58 ft. 8 in. peg.
Type: black
Size: 6 5/8 O.D. 15#

Casing: ft. to ft.
Type: Size:

Perforated or screened: Ft. none to ft.

Type of screen or perforations: none

Static water level, for non-flowing well: 50 feet.
Shut-in pressure, for flowing well:
lb./sq. in. on:

Pumping water level: 65 feet at 32 gal. per min.

How tested: pump

Length of test: 2 hours

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

(over)
# 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>1+ topsoil</td>
</tr>
<tr>
<td>1+</td>
<td>3 boulders</td>
</tr>
<tr>
<td>3</td>
<td>6 gravel</td>
</tr>
<tr>
<td>6</td>
<td>10 gravel</td>
</tr>
<tr>
<td>10</td>
<td>12 boulders</td>
</tr>
<tr>
<td>12</td>
<td>30 gravel and boulders</td>
</tr>
<tr>
<td>39</td>
<td>47 sand and boulders</td>
</tr>
<tr>
<td>47</td>
<td>55 gravel and boulders</td>
</tr>
<tr>
<td>55</td>
<td>58 clay</td>
</tr>
<tr>
<td>69</td>
<td>60 shale</td>
</tr>
<tr>
<td>60</td>
<td>62 sandy clay</td>
</tr>
<tr>
<td>62</td>
<td>63 shale</td>
</tr>
<tr>
<td>63</td>
<td>65 sandy clay</td>
</tr>
<tr>
<td>65</td>
<td>68 flat gravel and sand</td>
</tr>
</tbody>
</table>

# Log of Well

By:

[Signature]

File:

Site:

Date:

[Stamp]
DECLARATION OF VESTED GROUNDWATER RIGHTS

The undersigned, Russell H. Thorson and Catherine L. Thorson, husband and wife, of 908 South Tracy, Bozeman, Montana, owners of the following described real property situate in the County of Gallatin, State of Montana, as follows, to-wit:

A tract of land located in Section 33, Township 4 South, Range 4 East, M. P. M., more particularly described as follows:
Starting at the Government set monument at the center of Section 33 in Township 4 South of Range 4 East of the M. P. M., thence due east a distance of 674 feet to the center of U. S. Highway No. 191 as now situated; thence a distance of 161 feet bearing North 15° West along the center line of said U. S. Highway No. 191 to the point of beginning; thence 552 feet North 75° East to the center of the West Gallatin River; thence along the center line of the West Gallatin River North 35° West a distance of 244 feet; thence 585 feet South 75° West to the center line of U. S. Highway No. 191; thence South 15° East along the center line of U. S. Highway No. 191 a distance of 200 feet to the point of beginning, the enclosed plot being a trapezoid of which the west side is part of U. S. Highway No. 191 center line and the east side is part of the West Gallatin River center line; less, however, that portion of the foregoing tract heretofore conveyed to the State of Montana by Bargain and Sale Deed dated August 6, 1854, recorded September 11, 1854, in Book 118 of Deeds at page 452,

hereby declare that they are the owners of the following vested water right:
A water well located on said lands heretofore used for domestic and irrigation purposes upon which the following information is pertinent:

1. Depth of well - 65 feet.
2. Size of well casing - 6 5/8 inches.
3. Date of first beneficial use - April 30, 1861.
4. Continuity of use - used continuously.
5. Amount of water claimed - 3600 gallon per hour.
7. Withdrawal - electric pump.
10. Depth to water - 50 feet.

11. Amount of yearly use - 1,324,000 gallon.

12. Formation - gravel, sand, boulders, clay and shale.

Dated this 27th day of December, 1961.

Russell H. Thorson

Catherine L. Thorson

STATE OF MONTANA )
County of Gallatin )

On this 27th day of December, 1961, before me, a notary public in
and for the State of Montana, personally appeared Russell H. Thorson and
Catherine L. Thorson, husband and wife, known to me to be the persons
whose names are subscribed to the within instrument, and acknowledged to
me that they executed the same.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my
official seal the day and year in this certificate first above written.

Notary Public for the State of Montana.
Residing at Bozeman, Montana.
Gallatin County, State of Montana. ss.
Filed Dec 29, 1961 at 9:30 o'clock A.M.

Earl Walton
COUNTY CLERK & RECORDER
By:

Fee $2.50 cdg
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Ernest Thurman and
Juanita Cloninger

1. Of 707 North Bozemans, 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: house water and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 1956. Used the year around

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

Thurman Cloninger, owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: pump, next to house

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced August 15, 1956. Completed September 18, 1956

8. The depth of water table: 105 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: Drilled well: 6" steel casing, 105' deep, Peerless Deep Well Pump

10. The estimated amount of groundwater withdrawn each year: 100,000 gallons

11. The log of formations encountered in the drilling of each well if available: first 50 feet was rock, sand & loam. Fifty-five feet solid granite

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:

Juanita Cloninger

Date: December 5th, 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 Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
State of Montana  
County of Gallatin  

Filed December 13, 1962  
at 9:00 o'clock A.M.  

EARL WATROU  
COUNTY CLERK & RECORDER  

Fee $1.00 paid