## GROUNDWATER INDEX

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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Mary Anderson
   of 529 5th Ave.
   Helena
   (Name of Appropriator)

   County of Lewis & Clark
   (Town)

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

2. The beneficial use on which the claim is based: household
   lawn, septic tank, garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1959

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

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: small garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 1959

8. The depth of water table: 30 ft

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

10. The estimated amount of groundwater withdrawn each year: 500,000 gallon per year

11. The log of formations encountered in the drilling of each well if available: chalk, gravel, sand pump, 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: not available

Signature of Owner: Mary Anderson
Date: December 21, 1963

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

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

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

36.77
STATE OF MONTANA
COUNTY OF LEWIS & CLARK
SS.
I hereby certify that the within instrument was filed in my office on the 13th day of November, A.D. 19__ at ___ o'clock ___ min. past ___ o'clock A.M. in the County Court of the County of Lewis & Clark, State of Montana.

[Signature]

County Recorder

[Signature]

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

**DEVELOPED AFTER JANUARY 1, 1963**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Mary K. Bridges  
**Address:** Butte, Montana

**Driller:** A. P. Walsh  
**Address:** Helena, Montana

---

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

**Date well started:** April 23  
**Date completed:** April 24, 1963

**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 sand, 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.

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<table>
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<tr>
<th>Depth of Well</th>
<th>Static Water Level for non-flowing well (feet)</th>
<th>Shut-in Pressure for flowing well (psi)</th>
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**WELL DETAILS**

**Depth:** 19 ft.

**Water Level:**

- Static: 29 ft.
- Shut-in Pressure: 5 psi

**Discharge:** 15 gal. per minute.

**How Tested:**

- Diameter: 12 in.
- Length of Test: 2 hrs.
- Remarks: (Gravel packing, cementing, packers, type of shutoff)

---

**Remarks:** (Continue on reverse side)

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

---

**Driller's License Number:** 1008

**Driller's Signature:**

---

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962
(UNDER CHAPTER 237, MONTANA SESSION LAWS, 1961)

Owner: Sam Caro
Address: HARRISON
Driller: A.F. WELCH Address: HELENA, MONT

Date of Notice of appropriation of groundwater: JULY 15
Date well started: JULY 15
Date completed: JULY 15

Type of well: DRILLED Equipment used: CABLE tool
(Dug, Driven, bored or drilled)
(Charn dril, 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 wells 25 feet.
Shut-in Pressure for flowing wells N.A.
Pumping Water Level 90 feet at 20 gal. per minute.
Discharge in gal. per min. of flowing well N.A.

How Tested: BALLER
Length of Test: 2 HRS

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

Driller's License Number
Driller's Signature
**Notice of Completion of Groundwater Appropriation by Means of Well**

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

**Owner:** SAMUEL P. CARSON  
**Address:** HELENA, MONTAN

**Driller:** A. F. WELCH  
**Address:** HELENA, MONTAN

**Date of Notice of appropriation of groundwater:** JULY 15  
**Date completed:** JULY 16-1970

**Type of well:** DRILLED  
**Equipment used:** CABLE Tool

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

Indicates on the diagram the character and thickness of the different strata met with in drilling, such as sand, 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.

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**Static Water Level for non-flowing well:** 25 feet.

**Shut-in Pressure for Flowing Well:** NO.

**Pumping Water Level:** 90 feet at 20 gal. per minute.

**Discharge in gal. per min. of flowing well:** NO.

**How Tested:** BAILER

**Length of Test:** 2 HRS

**Scenario:** (Gravel packing, cementing, suckers, type of slantoff)

---

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, these copies to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Catherine Address: 1235 Here Avenue
Driller: A. F. Welch Address: P. O. Box

Date of Notice of appropriation of groundwater: AUG. 20
Date well started: AUG. 20
Date well completed: AUG. 21-65

Type of well: DRILLED, CABLE
(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.

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

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

Tr. 0.51 Acres

(Continue on reverse side)

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

DOMESTIC USE AT BARNS & FARMERS SITE

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

County: Lewis & Clark

File No.: STATE WATER CONSERVATION BOARD

JAN 17, 1965
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. BALDWIN D. DUNCAN, of 21207 ST. RO, GREAT FALLS, MONTANA
   (Name of Appropriator)
   (Address)
   (Town)

County of: CROOKED

State of: MONTANA

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

2. The beneficial use on which the claim is based

3. Date or approximate date of earliest beneficial use; and how continues the use has been
   1 JUNE 1963 CONTINUOUS USE

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 GPM (257)

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
   PUMPING WELL NO. 1

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1 JUNE 1963, AND REMAINS COMPLETED

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
   ONE ONLY WELL, WITH A SIX INCH CRIPPER, RECLAIMED TO A DEPTH OF EIGHTY FEET PER FEET

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available
   THIS INFORMATION MAY BE AVAILABLE FROM MR. ALPHEE B. MILLER, MILLER TRAILER TRUCK, BELHAVEN, MONTANA

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
   LINCOLN AND CROOKED COUNTY, BOOK 250, PAGE 322

   Signature of Owner

Date: 28 JUN 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriate.
A TRACT OF LAND LYING IN THE WEST HALF OF THE NORTHEAST QUARTER OF THE SOUTHWEST QUARTER (W1/2NE1/4SW1/4) OF SECTION TWO (2), TOWNSHIP TEN (10) NORTH, RANGE ONE (1) WEST, LEWIS AND CLARK COUNTY, MONTANA,

BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE QUARTER CORNER common to Sections 2 and 3, TOWNSHIP 10 NORTH, RANGE 1 WEST, THENCE S. 85° 44' W. A DISTANCE OF 1340.4 FEET, TO A BRASS CAPPED PIN IN THE COUNTY ROAD; THENCE S. 6° 15' E. A DISTANCE OF 315.9 FEET TO A POINT MARKED BY AN IRON PIN which is the POINT OF BEGINNING, THENCE N. 85° 45' E. A DISTANCE OF 250 FEET TO A POINT MARKED BY AN IRON PIN; THENCE S. 6° 15' E. A DISTANCE OF 150 FEET TO A POINT MARKED BY AN IRON PIN; THENCE N. 6° 15' W. A DISTANCE OF 150 FEET TO THE POINT OF BEGINNING.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

owner: Warren E. Hill
Address: Great Falls, Mont.

Driller: A.F. Welch
Address: Helena

Date of Notice of appropriation of groundwater: APR 20
Date well started: APR 20
Date well completed: APR 20

Type of well: DRILLED
Equipment used: CABLE TOOL

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.

<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</td>
<td>1 5/8</td>
<td>0</td>
<td>108</td>
<td>N0</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well
- 30 feet.

Shut-In Pressure for Flowing Well: N.O.
Pumping Water Level: 120 feet
at 25 gal. per minute.

Discharge in gal. per min. of flowing well: N.A.

How Tested: BAILER
Length of Test: 2 HRS
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.

Static Water Level for non-flowing well

How Tested: BAILER
Length of Test: 2 HRS
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
A.F. Welch
Driller’s Signature
46645
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner. Arnold R. Taylor
Address: 1102 Babcock St.
Bozeman, Montana

Driller: Price R. Lindsey
Address: Clancy, Mont.

Date of Notice of appropriation of groundwater.

Date well started: 5-1-64
Date completed: 3-19-64

Type of well: 4-in. well
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.

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

UEB—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, then two copies to be retained by driller.

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

Driller's License Number
Driller's Signature
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Donald P. Taylor  
**Address:** 1602 W. Field

**Driller:** James Lindsay  
**Address:** Clancy

---

**Date of Notice of Appropriation of Groundwater:**

**Date well started:** 5-1-64  
**Date completed:** 5-12-64

- **Type of well:** drilled
- **Equipment Used:** churn drill
- **Shut-in Pressure for Flowing Well:** ___. _ ft.
- **Pumping Water Level:** ___. _ ft. at ___. __. gal. per minute.
- **How Tested:** _
- **Length of Test:** ___. _ hrs.

**Remarks:** (Gravel packing, cementing, packers, type of cutoff, 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.
Declaration of Vested Groundwater Rights

(Under Chapter 287, Montana Session Laws, 1961)

1. United States of America of Box 2558 Billing

(Name of Appropriator) (Address) (Town)

County of Yellowstone 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 water for recreational purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been July 28, 1940 continuous use

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof 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 well started July 18, 1940 completed July 28, 1940

8. The depth of water table 65'

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 1/2 pipes 65' deep

10. The estimated amount of groundwater withdrawn each year 1 acre-foot

11. The log of formations encountered in the drilling of each well if available 6' - 6' top soil and gravel, 6' - 27' clay, 27' - 34' clay and gravel, 34' - 67' clay and sand and gravel, 67' - 65' clay and sand, 65' - 61' clean 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, water uses used for domestic, household, stock watering and similar uses by employees of the United States, its agents, and the public in connection with operation of recreational facilities at the Canyon Ferry Federal Reclamation Project

United States of America
Signature of Owner

For Regional Director, Region 6, Bureau of Reclamation Date December 15, 1948

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
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: Bradley Bruce
Address: Canyon Gardens
Helena, Montana

Date well started: March 11, 1973
Date well completed: March 31, 1973

Type of well: Drilled
Equipment used: Churn

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).

USE: Domestic ☑ Municipal ☐ Stock ☑ Irrigation ☐

ESTIMATED ANNUAL WITHDRAWAL: 80000

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>Stratum</th>
<th>To above</th>
<th>From below</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>60 58</td>
<td>60 64 60</td>
</tr>
<tr>
<td>54 60</td>
<td>Clay &amp; gravel</td>
<td>54 60 60</td>
</tr>
</tbody>
</table>

Top of Ground: 60 60 60

Driller's Log

Driller: Wildez Jack

License No.: 38

RECEIVED

County: Lewis and Clark

Show exact depth of bottom

57,849
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

Owner: Fish & Game Dept.
Address: Helena, Mont.
Driller: Wesley Lindsey
Address: Clancy, Mont.

Date of Notice of appropriation of groundwater:

Date well started: Sept. 26, 1961
Date completed: Sept. 28, 1961

Type of well Drilled: Churn Drill
( auger, driven, bored or drilled )
(Churn drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Size of Stratum</th>
<th>Size and Weight of Strata</th>
<th>Depth (Foot)</th>
<th>Type (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 FT. - 10 FT.</td>
<td>GRAVEL</td>
<td>0</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>10 FT. - 28 FT.</td>
<td>CLAY + GRAVEL</td>
<td>19-16</td>
<td>8</td>
<td>3</td>
</tr>
<tr>
<td>28 FT. - 40 FT.</td>
<td>CLAY + BENTINITE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 FT. - 54 FT.</td>
<td>BENTINITE</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>54 FT. - 60 FT.</td>
<td>GRAVEL + SAND</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well
30 feet

Shut-In Pressure for flowing well
40 feet

Pumping Water Level
20 feet

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

How Tested
PUMP

Length of Test
21/2 FT.

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

(Check box)

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, to keep copy to be returned by driller.

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

Driller's License Number
WELEY LINSEY
Driller's Signature
41,446
Canyon Ferry

Top of Ground

(Also above sea level)

0 FT 20 FT

Bentonite

Clay

Clay + Seams of Hard Pan

Clay + Seams of Gravel

Date of Notice of appropriation of groundwater:

Date well started: Sept 12, 1966
Date completed: Sept 14, 1966

Type of well: Drilled

Type of Equipment used: Diamond Drill

Wells used: 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>Strata</th>
<th>Depth</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clay + Seams</td>
<td>0-20</td>
<td>20 FT</td>
</tr>
<tr>
<td>Bentonite</td>
<td>20-50</td>
<td>20 FT</td>
</tr>
<tr>
<td>Clay + Seams</td>
<td>50-70</td>
<td>20 FT</td>
</tr>
<tr>
<td>Clay + Seams</td>
<td>70-90</td>
<td>20 FT</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well...

Static Water Level for Flowing well...

Static Water Level for Flowing well...

Initial Pressure for Flowing well...

Initial Pressure for Flowing well...

Pumping Water Level: 100 feet

Discharge: 15 gal. per minute

Length of Test: 2hrs

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

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).
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: John Doe
Address: Helena, Mont.

Date of Notice of appropriation of groundwater: Sept. 6, 1964

Date completed: Sept. 5, 1964

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>Size and Weight of Churn</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>1916</td>
<td>0</td>
<td>84</td>
</tr>
</tbody>
</table>

PERFORMANCES

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

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, three 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

[Signature]

File No.

County: Lewis + Clark
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**1. United States of America,**

**of, Box 2563 Billings**

- **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:**

#### Map

![Map Diagram](image)

1. **Beneficial use on which the claim is based:** Municipal and domestic at the Canyon Ferry Government Camp

2. **Date or approximate date of earliest beneficial use:** September 1948 — continuous to date present

3. **Amount of groundwater claimed (in miner's inches or gallons per minute):** 300 G.P.M.

4. **If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:** Lands & Irrigated at Canyon Ferry Government Camp

5. **Means of withdrawing such water from the ground and the location of each well or other means of withdrawal:** Pump, Vertical, Deep Well

6. **Date of commencement and completion of the construction of the well, wells, or other works for withdrawal:** 7-13-48 to 9-1-48

7. **Depth of water table:** 32 ft.

8. **So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:**
   - Well #1, drilled, with 12' casing, 18 feet deep, with 14 foot water table
   - Well #2, drilled, with 12' casing, 82 feet deep, with 24 foot water table

9. **Estimated amount of groundwater withdrawn each year:** 610 acre-feet

10. **Log of formations encountered in the drilling of each well if available:** none available

11. **Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:** This water is used for domestic, household, stock watering, and similar uses by employees of the United States, or its agents in connection with operation of the Canyon Ferry Federal Reclamation Project.

**United States of America**

**Signature of Owner:**

**For Regional Director, Region 4, Bureau of Reclamation**

**Date:** December 13, 1948

---

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.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Mont. Session Laws, 1961)

Owner: C. V. SHERFEE Address: CANYON FERRY

Driller: HAND DUG Address:

Date of Notice of appropriation of groundwater:

Date well started:

Date completed:

Type of well: DUG Equipment used:

(Dug, Driven, bored or drilled)

(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>Strata of Depth</th>
<th>Depth (Feet)</th>
<th>Character</th>
<th>Water-bearing</th>
</tr>
</thead>
<tbody>
<tr>
<td>DUG 2 FT. DIA. CEMENT</td>
<td>2</td>
<td>feet</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for flowing well

Pumping Water Level: 10 feet

Discharge in gals per minute.

How Tested: Pump

Length of Test: 2 hr

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

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, twice 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

CONTINUE ON REVERSE SIDE
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

Date of Notice of appropriation of groundwater: [Date]
Date well started: [Date]
Date completed: [Date]

Type of well: [Type of Well]
Equipment used: [Equipment]

Department of Groundwater Resource Development

<table>
<thead>
<tr>
<th>Stratum Depth</th>
<th>Depth of Completion</th>
<th>Type of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-8 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8-14 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Decomposed rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14-15 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Broken rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>17-25 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Semi-hard rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>25-30 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Broken rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>30-40 ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: [Level]

Shut-in Pressure for flowing well: [Pressure]

Pumping Water Level: [Level]

Discharge in gal. per min. of flowing well: [Discharge]

Length of Test: [Time]

Remarks: [Remarks]

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, same 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: [Number]
Driller's Signature: [Signature]

[Date]
# Driller's Log

**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:** Van Sheriff

**Address:** Ceygan 7934

**Date well started:** May 24, 1971

**Type of well:** Drilled

**Equipment used:**

**Water Use:** Domestic [X] 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>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top of Ground</td>
<td>38,000</td>
</tr>
</tbody>
</table>

**Top of Ground**

<table>
<thead>
<tr>
<th>Layer</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-8</td>
<td>Clay</td>
<td></td>
</tr>
<tr>
<td>8-12</td>
<td>Gravel</td>
<td></td>
</tr>
<tr>
<td>12-28</td>
<td>Clay &amp; Shale Sand</td>
<td></td>
</tr>
<tr>
<td>28-41</td>
<td>Fault Rock</td>
<td></td>
</tr>
</tbody>
</table>

---

**Static water level:** 10 ft

**Pumping water level:** 30 ft

**Power:** 1 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:** Wally Tafchoy

**Driller's Address:** Ceygan, Montana

**LICENSE NO.** 38
# Notice of Completion of Groundwater Appropriation by Means of Well

## 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, 1965*

(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:** Van H. Sniffen

**Address:** Canyon Ferry

**Riv. 223520, 28.14/29

**Date well started:** May 22, 1971

**Type of well:** Drilled

**Equipment used:** Churn

**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:** 6,000

<table>
<thead>
<tr>
<th>Silt</th>
<th>Sand</th>
<th>Gravel</th>
</tr>
</thead>
</table>
| 6"  | 17

**Top of Ground:** (Elev. above sea level) 3820

**Driller's Signature:** Larry M. Smith

**Driller's Address:** 500 E. 1st Ave., Miles City, Montana

**License No.:** 35

**Show Exact Depth of Bottom:** 66
# Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

<p>| | | | | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
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</tbody>
</table>

1. **(Name of Appropriate)**
   - County: [County]
   - State: Montana
   - Address: [Address]
   - Town: [Town]

2. The beneficial use on which the claim is based:
   - [Description]

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - [Amount]

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:
   - [Acreage and Description]
   - [Owner]

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - [Means of Withdrawal]
   - [Location]

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

8. The depth of water table:
   - [Depth]

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

10. The estimated amount of groundwater withdrawn each year:
    - [Amount]

11. The log of formations encountered in the drilling of each well if available:
    - [Log]

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

---

**Signature of Owner**: [Signature]

**Date**: Jan 2, 1964

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
COUNTY OF LEWIS & CLARK SS.

I hereby certify that the within instrument was filed in my office on the 152124 day of , 20__.

[Signature]

County Recorder

By [Signature] Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. E. B. Bednazzle
   (Name of Appropriator)
   1138 Canyon Ferry
   (Address)
   Great Falls
   (Town)
   State of Montana
   (County or State of Appropriation)
   I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   [Diagram]

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

   [Signature]

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

   1957

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

   [Signature]

   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:

   [Signature]

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

   [Signature]

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

   1959

   8. The depth of water table:

   30 ft

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

   [Signature]

   10. The estimated amount of groundwater withdrawn each year:

   [Signature]

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

   [Signature]

   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]

   Date: 12/31/63

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

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

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

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

1. Josephine A. Bommer
   of 801 Stuart Street, Helena, Montana
   County of Lewis and Clark  State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Wall has been in continuous use and in use now since Spring of 1958

   4. The amount of groundwater claimed (in miner's inches or gallons per minute). fifteen 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. Map of land. Location of well.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. one wall from which our water is pumped by power pump.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Commenced April 1958, and then drilled deeper and completed October 1, 1961.

   8. The depth of water table. 35 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. The well is seventy two feet deep with size and weight of casings 171 b.

   10. The estimated amount of groundwater withdrawn each year. fifteen gallons per minute except during the months of November, December, January and February of each year.

   11. The log of formations encountered in the drilling of each well if available, the log of well is hereto attached. The driller of the well was Price and Lindsay of Clancy, Montana.

   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 August 1st, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 227, Montana Statutes Annotated, 1983)

Owner: J.R. Bonner
Address: Camp Branch

Driller: Pete Holley
Address: Chugwater

Date of Notice of Appropriation of Groundwater: Sept 196
Date Completed: Oct 1770

Type of well: Drilled
Equipment Used: Drills

Water Use: Domestic
Industrial

Static Water Level for non-flowing Well: 171 ft
Static Water Level for flowing Well: 171 ft
Pumping Water Level: 171 ft

Discharge in gph: 0

How Tested: Static Level

Remarks: (Gravel packing, cemented, location of well and depth to gravel, etc.)

Shallowest location of well and well length, if possible. Each small square represents 10 acres.

Number of depth of basements.

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Re
Notice of Completion of Groundwater Appropriation by Means of \(\ldots\)

DEVELOPED AFTER JANUARY 1, 1968

(Under Chapter 237, Montana Session Laws, 1961)

Owner: BRIDGES
Address: 1638 C. St.

Driller: A. F. WELCH
Address: HELENA

Date of Notice of appropriation of groundwater: JUNE 14
Date completed: JUNE 17-65

Type of well: DRILLED
Equipment used: CABLE

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

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

<table>
<thead>
<tr>
<th>Depth of Bottom</th>
<th>Mud and Weight of Cable</th>
<th>From (f)</th>
<th>To (f)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 3/8</td>
<td>6 3/8</td>
<td>0</td>
<td>14</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 30 feet.

Shut-In Pressure for flowing well: NO

Pumping Water Level: 30 feet at 20 gpm.

Discharge in gal. per min. of flowing well: NO

How Tested: BAILER 2 HRS

Length of Test: 2 HRS

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

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

LOT 10

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: A. F. WELCH
Driller's Signature: A. F. WELCH

392.39
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 claimed water use.
- Thank you.

---

<table>
<thead>
<tr>
<th>Type</th>
<th>Depth (Feet)</th>
<th>Diameter</th>
<th>Flow (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>6 5/8</td>
<td>1 5/8</td>
<td>0 46</td>
</tr>
</tbody>
</table>

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

- 30 feet

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

- N.D.

**Pumping Water Level:**

- 50 feet

- 20 gal. per minute

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

- N.D.

**How Tested:**

- BAILER

**Length of Test:**

- 2 HRS

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

- NONE

---

**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**

- 100

**Driller’s Signature**

- J. A. Welch
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: Charles Carter
Address: 11022 East Helena

Driller: A.F. WELCH
Address: HELENA, MONT

Date of Notice of appropriation of groundwater: JULY 20
Date completed: JULY 21, 1971

Type of well: DRILLED
Equipment used: CABLE Tool
(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>PREPARATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8</td>
<td>15/8</td>
<td>0</td>
<td>46</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 30 feet.

Shut-In Pressure for Flowing Well: N.O.

Pumping Water Level: 50 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well: N.O.

How Tested: BAILER

Length of Test: 2 HRS

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

Doc. No.: 222080
Filed for record this 1971 day of JULY
A. D. 1971, at 08:25
D’clock 8 AM.

Show exact depth of bottom.

(Continue on reverse side)

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, cliente copy to be
retained by driller.

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

D. A. WELCH
Driller’s Signature

Driller’s License Number: 100

5/001
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1951)

STATE ENGINEER

1. Clarence C. Charleston
   (Name of Appropriator)
   513 South Raleigh, Helena, MT 59601
   (Address)
   County of: Lewis and Clark
   State of: Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      July 1, 1957, from May to November

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 800.0 G.P.M.

   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:
      10 acres on Canyon Ferry Lake, 20,000 sq. ft.
      Olga C. Charleston, Lessee

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
      Well 1. Drilling deep well 200 ft. deep
      Canyon Ferry, Located in Magic Bay

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      July 1, 1957

   8. The depth of water table:
      40 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, 200 ft. deep

   10. The estimated amount of groundwater withdrawn each year: 200,000 g.p.m.

   11. The log of formations encountered in the drilling of each well if available:
      Granite & decomposed 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:
      Clarence C. Charleston
      513 South Raleigh, Helena, MT 59601
      No title
      Canyon Ferry
      State Park Lot 43
      Lot Sec. 13
      Rge 1 W S P No. 33

      Signature of Owner:
      Clarence C. Charleston
      Date: 6-26-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Estate of James M. Case Address: 4601 Montana

Date of Notice of appropriation of groundwater: December 19, 1965

Date completed: October 1965

Type of well: Borehole, driven or bored Equipment used: IRRIGATION WELL (Chim drill, rotary or other)

Water use: Domestic Municipa Stock Stock Irrigation Stock Other 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 Defined Strata</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Elevation Level (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 21 Ft. Clay + Gravel</td>
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</tr>
<tr>
<td>21 Ft. - 55 Ft.</td>
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</tr>
<tr>
<td>55 Ft. - 80 Ft.</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>80 Ft. - 105 Ft.</td>
<td></td>
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<td></td>
</tr>
<tr>
<td>105 Ft. - 110 Ft.</td>
<td></td>
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</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 shutoff)

(Continue on reverse side)

UEE—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
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 — John R. Fred
Address — Canyon Ferry Rd.
Helena, Montana
Date well started — April 3, 1947
completed — April 25, 1947

Type of well — drilled
Equipment used — chisel 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. (1), (2),
and Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Depth of</th>
<th>Top of Ground</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well</td>
<td>(Feet)</td>
<td>Screen Size</td>
</tr>
<tr>
<td>——</td>
<td>——</td>
<td>——</td>
</tr>
</tbody>
</table>

**DRILLER'S LOG**

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

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>(Feet, above sea level)</th>
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</thead>
<tbody>
<tr>
<td>——</td>
<td>——</td>
</tr>
</tbody>
</table>

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

Each small square represents 40 acres.

Driller's Signature
Driller's Address

LICENSE NO. 17

50334
226173

STATE OF MONTANA
COUNTY OF LEWIS & CLARK

I, hereby certify that the instrument heretofore referred to as Recorded in the County Records of Lewis & Clark County, Montana, on this day of , 1995, was duly recorded in the Office of Clerk, County, and recorded on Page of Book in the Records of Lewis & Clark County, State of Montana.

[Signature]
Deputy County Recorder

Deputy County Recorder
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **(Name of Appropriator) (Address)**

County of **(County)**, State of **(State)**

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

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

   ![Beneficial Use Grid]

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **1962, Used all year**

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

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.

   - **Date:** [Insert Date]
   - **Acreage:** [Insert Acreage]
   - **Owner:** [Insert Owner Name]

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

   - **Depth:** 67 feet deep

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **1962, Completed 2 days**

8. The depth of water table. **Lake side**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. **Well 67 foot deep.**

10. The estimated amount of groundwater withdrawn each year. **Family use**

11. The log of formations encountered in the drilling of each well if available. **Don't know**

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

   ![Signature]

   Signature of Owner: **Easter C. Goodwin**

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 LEWIS & CLARK

I hereby certify that the within instrument was filed in my office on
the day of 19
a D. 19

[Signature]

[Notary]

[Date]
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1968
(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Doe</td>
<td>Miller Valley</td>
</tr>
</tbody>
</table>

Date of Notice of appropriation of groundwater: [Date]
Date well started: [Date]  Date completed: [Date]

Type of well: [Type]
Equipment used: [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>Depth of Cones</th>
<th>From Water</th>
<th>To Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>171</td>
<td>46</td>
<td>46, 48</td>
<td>48</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: [Level] feet.
Shut-in Pressure for Flowing Well: [Pressure] feet.
Pumping Water Level: [Level] feet.
Discharge in gal. per min. of flowing well: [Discharge] gal. per minute.

How Tested: [Method]
Length of Test: [Time]
Remarks: [Details]

(Under) Well No. [Number]
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.

File No. ________________

Date of Notice of appropriation of groundwater: [Date]

[Diagram showing well and strata]

Static Water Level: [Level] feet.

Well No.: [Number]

Remarks: [Details]

Driller's License Number: [Number]

Driller's Signature: [Signature]

38459