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

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

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

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

### Owner

- School District No. 7

### Address

- 215 South Sixth St., West
- Missoula, Montana

### Date well started

- 8/3/72

### Date well completed

- 8/15/72

### Type of well

- Drilled

### Equipment used

- Cable Tool Rig

### Water Use

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

### ESTIMATED ANNUAL WITHDRAWAL

- 78,840,000 gallons

### Top of Ground

- Approx. 3180' above sea level

### Perforations

<table>
<thead>
<tr>
<th>Size (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 5/8&quot;</td>
<td>90</td>
<td>98</td>
</tr>
<tr>
<td>8 5/8&quot;</td>
<td>42</td>
<td>90</td>
</tr>
</tbody>
</table>

### Static Water Level

- 40 feet

### Pumping Water Level

- 84 feet

### Water rises on well 40 feet from surface.

### Remarks

- Gravel packing, cementing, packers, type of shutoff

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**Missoula, Montana**

**LICENSE NO. 52**
I received and filed this Instrument for record on the 13th day of April 1973 at 1:15 p.m. in the permanent files of Missoula County, State of Montana. Witness my hand:

Dorothy A. Head, County Recorder

By:           Deputy

Fee $5.00

DEPREDATION: It is understood and agreed that the said well, or well or wells, if any, shall be kept as a deep well, and that it shall not be pumped, except in cases of natural drawdown, and so long as they are not overdrawn, i.e., they should not be pumped at rates not in excess of 40 to 50 percent of the tested capacity of the well.
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. **Appropriator**
   - **Name:** [Name of Appropiator]
   - **Address:** [Address]
   - **Town:** [Town]
   - **County of:** [County of Missouri]
   - **State of:** [State of Montana]
   - Intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. **Beneficial Use:**
   - Water is to be applied to [describe lands to be benefited, if for irrigation].

3. **Rate of Use:**
   - The rate of use in gallons per minute or miner's inches of groundwater claimed is [1000 G.P.M.].

4. **Period of Use:**
   - The annual period (inclusive dates) of intended use is [year around].

5. **Date of Use:**
   - The probable or intended date of commencement and completion of the well or wells is [April 1st, 1964].

6. **Well Information:**
   - **Location:** [Platte add 4, Sec. 7, T. 89 N., R. 35 W.]
   - **Type:** Drilled
   - **Size:** 6" and 4" and 14" and 20 ft. deep
   - **Purpose:** Water table or artesian aquifer

7. **Name and License Number:**
   - **Name:** John Smith
   - **Address:** [Address]
   - **License Number:** [License number]

8. **Similar Information:**
   - Give such other similar information as may be useful in carrying out the policy of this act.

9. **Signature and Date:**
   - Signature of appropriator: [Signature]
   - Date: [Dec. 30, 1963]

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*As defined in the Code Sec. 1 (e) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.*

Three copies of this notice are to be filed with 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; quadruplicate for Appropriator.


2/15/47

I received and filed this instrument for record on the 50th day of February, 1947, at 10 o'clock A.M., pursuant to laws of Mineral County, State of Montana. Witness my hand.

[Signature]

By: [Signature]

Feb. 15, 1947.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: **E. A. Tebrowski**
Address: 2007 England Ave

Driller: **John Farrell**
Address: Arlee Mont

Date of Notice of Appropriation of Groundwater: **Feb 27, 1964**

Date well started: **Feb 27, 1964**
Date completed: **March 5, 1964**

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

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

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**Pipe 20" Above Ground Level**

**Total Pipe 83' 10"**

Static Water Level for non-flowing Well: 437 feet.

Shut-in Pressure for Flowing Well...

Pumping Water Level: 75 feet at 50 gal. per minute.

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

How Tested: **Driller & Compressor** 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).

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Driller’s License Number: **14**
Driller’s Signature: **John Farrell**

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.

354/4
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:

Ronald E. or Edna Mae
Thompson

Address:

309 West View Drive
Missoula, Montana

Date well started:

10/8/64

Completed:

10/10/64

Type of well:

Drilled

Equipment used:

Cable Tools

Water Use:

Domestic

Industrial

Drainage

Other

Garden/Lawn

*Describe:

USE: If used for Irrigation, Industrial, drainage or other. Explain.

state number of acres and location of other crops, if stock and addition.

ESTIMATED ANNUAL WITHDRAWAL

26,280,000 gallons

PERFORATIONS

Size of footing

6" OD x 1/2

Height

+4' 3"

Bottom Depth

85

NONE

Static water level

44

Pumping water level

53

Well developed

for

35 hours.

Power

Pump

HP

Remarks: Gravel packing and gravel fill done. Bottom of well through open bottom of six inch casing.

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

Driller’s Signature

Driller’s Address

Missoula, Montana

LICENSE NO.

52

Top of Ground

Approx. above sea level

31.62'

0  12 gravel, cobbles, boulders with sand, tan clay mixed in
12  14 coarse brown gravel & cobbles, tan clay mixed in
31  34 red sand & gravel, some water
60  60 gravel embedded in tan clay
69  69 fine sand & gravel, some sandy water
81  69 clean course sand and gravel, water

Water Fixed in well

44 feet

from surface
I received and filed this instrument for record on the 25 day of September, 1973, at 10 o'clock, A.M., in the Clerk's office of Missoula County, State of Montana.

Witness my hand:
Dorothy L. Head, County Recorder

By: [Signature], Deputy

Fee: $[Amount] Paid [Date]
**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.

Glen A. Wohl &
Owner Johanna A. Wohl

Address 2838 West Central
Missoula, Montana 59801

Date well started 5/15/72
Completion 5/17/72

Type of well Drilled

Equipment used Air Rotary

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

*Describe Car Wash

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) Lots 33, 34, 35, 36 Carline Addition, Missoula, Montana

**ESTIMATED ANNUAL WITHDRAWAL** 26,280,000 gallons

<table>
<thead>
<tr>
<th>Size of Tube</th>
<th>Size and Length of Tube</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; x 6&quot; OD</td>
<td>x 2'</td>
<td>0</td>
<td>34</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERFORATIONS</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torch cut 32</td>
<td>5/32</td>
<td>slots 65'1&quot; 69'1&quot;</td>
</tr>
</tbody>
</table>

Blank tailpipe with 1 inch plate solidly welded on bottom extends 72'

Static water level 33 ft.
Pumping water level 55 ft.
*measured 50 gallons per minute, measured 180 minutes after pumping began.

*Measured from ground level.
Well developed by Air Lift Pump for 3.5 hours.
Power: Diesel - Pump - 150 HP
Remarks: Gravel packing, cementing, packers, type of shutoff.
All water entering well through slot openings in six-inch casing. Wells in this area can be depended.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
Each small square represents 40 acres.

Driller's Signature
Driller's Address 2900 Reserve Street

Missoula, Montana 59801 LICENSE NO. 52

Top of Ground APPROX. from bottom 2175'

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2 FL1</td>
</tr>
<tr>
<td>17</td>
<td>53 Cobblestones and dirt</td>
</tr>
<tr>
<td>54</td>
<td>65 Sand and gravel mixed</td>
</tr>
<tr>
<td>65</td>
<td>72 Clean coarse sand and gravel</td>
</tr>
</tbody>
</table>

Water rises in well 33 feet from surface.

**S143**
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **Phillip A. Bakke**, (Name of Appropriator)
   of 2602 Montana Ave, Missoula
   **Missoula**, (Address) **Missoula**, (Town)
   **Missoula**, (County of) **Montana**, (State of)
   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...
      Household use and irrigating 1 acre

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been...
      June 1954...occasionally until March of 1955; then...
      constantly...

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)...
      Enough for household use and irrigation of 1 acre

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof...
      1 acre - Lot 32, Sec. 30, Blk 13...
      **Melba D. Bakke**...

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
      About March of 1954...

   8. The depth of water table...
      Approx. 30' from S.L.

   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...
      75' from S.L.

   10. The estimated amount of groundwater withdrawn each year...
      For household use and irrigation of...
      one acre

   11. The log of formations encountered in the drilling of each well if available...
      Clay & gravel...
      Approx. 30', sand & gravel to approx. 60'...substantial water bearing strata...
      to 75'

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

H.E. Beardsmore—Estate, Missoula, Montana
(Name of Appropriator)
(Address)
(Town)

County of Missoula
State of Montana

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

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1903 – Continuing

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 1200 gal per hour

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1903 – 1959

8. The depth of water table: 8 – 12 feet – Seasonal variations

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:

A. Drilled: 12 ft. Pumps 100 to 400 gpm

10. The estimated amount of groundwater withdrawn each year: 50,000 gallons

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

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: [Blank]

Signature of Owner:
Date Dec 31, 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.
940
2154-13

[Signature]

I received and filed this instrument for record on this 21st day of May, 1963, in the name of the person whose name is next to this instrument, and in the name of the county of Missoula, State of Montana. Writen my hand.

[Signature]

By: [Signature]

Deputy

[Date]
Notice of Completion of Groundwater Appropriation by Means of Well

Under Chapter 237, Montana Session Laws, 1961

Donald K. & Mary Ann Berard, Owners

Date of Notice of Appropriation of Groundwater: June 7th, 1964

Date Well Started: June 7th, 1964

Date Completed: June 14th, 1964

Type of Well: Dug

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

Water Use: Domestic ☑️ Municipal ☐ Industrial ☐ 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.

Static Water Level for non-flowing Well: 25 feet

Shut-in Pressure for Flowing Well: feet at gal. per minute.

Pumping Water Level: In excess of 20 gallons per minute

Discharge in gal. per min. of flowing well How Tested: Air Lift

Length of Test: Four Hours

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

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, 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.
I received and filed this instrument for record on the 22nd day of March, 1936, at 9:30 o'clock A.M., present title of Minerals County, State of Nevada.

Witnesse gly here:

Vearnes B. Great, County Recorder
By: Helena R. Meade, Deputy

For: 3-2-36 Paid
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Edward F. & Myrtle Berard
Owner
Address: 323 Mount Ave, Missoula, Montana

Driller: Edward F. Berard, Address: Missoula, Montana

Date of Notice of Appropriation of Groundwater: June 7, 1964

Date well started: June 7, 1964
Date completed: June 14, 1964

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

Water Use: Domestic □ Municipal □ Other □ Irrigation □

Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

<table>
<thead>
<tr>
<th>Strata Met With</th>
<th>Depth (Feet)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel &amp; Clay</td>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td>25</td>
<td></td>
</tr>
<tr>
<td>Sand, Gravel &amp; Clay</td>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 23 ft.

Shut-in Pressure for Flowing Well: 23 ft.

Pumping Water Level: 23 ft.

Discharge in gal. per min. of flowing well: In excess of 20 gallons per minute.

How Tested: Air Lift
Length of Test: Hour hours

Remarks: (Gravel packing, cementing, packers, type of shutoff, location of piece 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.
I received and filed this instrument for record on the 29th day of May 1926, in the office of the County Recorder of Missoula County, State of Montana.
Witness my hand:

W. M. Young, County Recorder
By: W. H. Neeb, Deputy
For 2. 0. C.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. CHARLES S. BILLINGER, of 2007 26th St., Missoula
   (Name of Appropriator) (Address) (Town)

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: June 15, 1962.

   Continuous use since that date

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1500 gallons per hour

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

   Pump driven by an electric motor - surface pump

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

   Well - drilled well with a 5' casing

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 10-15, 1962

   8. The depth of water table from the surface to the top of water table: 45 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:

   10. The estimated amount of groundwater withdrawn each year: 18,000 gallons

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

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not available

   Signature of Owner: Charles S. Billinger

   Date: 12-30-63

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.
I received and filed this instrument for record on the 6th day of June, 1852. This instrument was filed by W. A. M., permanent lieu of Minnoina County, State of Montana.

Witness my hand.

MARTIN E. BRIDGER, County Recorder.

Feb. 3, 1852.
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Name of Appropriator: Albert A. Binion, of 3126 Arpurgin Rd, Missoula

Address: Missoula, State of Montana

I, the undersigned, do hereby declare that I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. The beneficial use on which the claim is based: Household use - lawn irrigation

2. Date or approximate date of earliest beneficial use: 1950

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 1/2 gal. min.

4. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 1/2 acre - lawn

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1950

7. The depth of water table: 15 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: Six inch

9. The estimated amount of groundwater withdrawn each year: 360,000

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

Bank 191 Page 194

Signature of Owner: Albert A. Binion
Date: Dec 31, 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 MALTA ENGINE

(Under Chapter 27, Montana Session Laws, 1961)

WELL on Clancy Driv

Dorgfeld 406 S Grove

**Owner**

Anne Comp 709 Alder

**Address**

Missoula, Mont

**Driller**

Date of Notice of Appropriation of Groundwater

3/12/63

**Date Completed**

3/18/63

**Type of well**

Drilled

**Equipment Used**

Chey Drill

**Date well started**

**Depth**

**Gravel & water**

50' to 53'

**Water Use**

Domestic

**Driller's signature**

**Driller's license number**


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<table>
<thead>
<tr>
<th>Depth of Drilled Strata</th>
<th>Size and Weight of Boring</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Flow (Galls per Min.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9&quot;</td>
<td>2&quot; x 1&quot; x 6&quot;</td>
<td>1 foot</td>
<td>53'</td>
<td></td>
</tr>
</tbody>
</table>

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

13' from G.L.

**Shut-in Pressure for flowing Well**

14 lbs per sq. in.

**Pumping Rate**

175 gals per minute

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

175 gals per minute

**How Tested**

Discharge

**Length of Test**

1 hr each

**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.


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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.
I received and filed this instrument for record on the 1st day of June, 1942, at 10:30 o'clock A.M., in the permanent files of Missoula County, State of Montana.

Witness my hand:

[Signature]

YVONNE R. COYER, County Recorder

By: [Signature], Deputy

Fee Five Dollars, Paid.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. John A. Bradley
   (Name of Appropriator)
   2635 8th St W
   Missoula
   (Address)
   (Town)
   County of Missoula
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   N
   E
   W
   S

   Sec 10 T 13 R 19 W

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

   2. The beneficial use on which the claim is based

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      (July 1958)
      Continuously since

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      12 Gal 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
      ½ acre
      John A. Bradley

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Liberty Well Drilled - 74' deep

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      March 1958

   8. The depth of water table
      20' 6"

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      Liberty Well Drilled - 74' deep

   10. The estimated amount of groundwater withdrawn each year
      88,500 Gal

   11. The log of formations encountered in the drilling of each well if available
      0-3' Dark Clay
      3-7' Dark Clay
      7-20' Clean Clay
      20-41' Sand
      41-61' Clay
      61-70' Clean Sand
      70-72' Clean Clays
      72-74' Dark Clay

      Liberty Well Drilling - 74' deep

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

1. Norma M. Busch
   (Name of Appropriator)
   or Spurgeon Ford Missules
   (Address)

County of Missoula, 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 and garden.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1945.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 36.

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: Field and garden.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1945.

8. The depth of water table: 75 ft. (At third level).

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 No. 1.

10. The estimated amount of groundwater withdrawn each year: 0.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: No additional information available.

Signature of Owner: Norma M. Busch
Date: Jan. 3, 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.
STATEN 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: Frank Cash  Address: 959 S. Rinne, Missoula

Driller: Harold J. Pink  Address: 1100 S. Rinne, Missoula

Date of Notice of appropriation of groundwater: 6/12/67
Date well started: 6/12/67  Date completed: 6/14/67

Type of well: Drilled  Equipment used: Cable tool
(Dig, 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>Strata</th>
<th>Date of Notice of Appropriation</th>
<th>Date of Notice of Appropriation</th>
</tr>
</thead>
<tbody>
<tr>
<td>35 - 45 sand &amp; gravel &amp; water</td>
<td>6/12/67</td>
<td>6/14/67</td>
</tr>
<tr>
<td>40 - 45 ref clay &amp; water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>40 - 57 sand &amp; gravel &amp; water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>67 - 73 gravel &amp; water</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well
18.70 ft from top of ground

Shut-In Pressure for Flowing Well

Pumping Water Level: 18.70 ft from top of ground
Discharge in gal. per min. of flowing well

How Tested: Compressed Air
Length of Test: 90 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

(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).

Doc. No.: 29-47/38  Filed for record this 25 day of June A.D. 1967 at 10:50 o'clock A.M.

6 ft. from top of ground

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, third 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

Mark W. Pickens
Driller's Signature

46635
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Church of the Assumption
Address: 2339 26th St

Driller: Glenn Camp
Address: 705 Alder, Missoula, Montana

Date of Notice of appropriation of groundwater: 12/14/65
Date completed: 12/16/65

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

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

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.

<p>| Size of | Size and Weight of Casing | From (Feet) | To (Feet) | PERFORATIONS |</p>
<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>(In. L.O.)</th>
<th>2½ above</th>
<th>6½ to 64½</th>
<th>17½ to 1 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>6½ L.O.</td>
<td>2½ above</td>
<td>6½ to 64½</td>
<td>17½ to 1 ft</td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 33 feet.
Shut-In Pressure for Flowing Well...
Pumping Water Level 33 feet
Discharge in gal. per min. of flowing well

How Tested: Compressed Air Balloon
Length of Test: 2 hours
Remarks: (Gravel packing, cementing, packers, type of shut-off)

(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:
Driller's Signature:

Licenses # 7

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:

Licenses # 7

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.
I received and filed this instrument for record on the 25th day of April, 1900, at 9:00 A.M., pursuant to the laws of the State of Montana.

Witnesse my hand:

[Signature]

Sec. 2. Recorder

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

1. Landowner: John Lodge, 2905 7th Montana
County of Missoula 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 & Irrigation

3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1945 Continuance

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 324000 ft³

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: 160 acres N 1/2 Sec 16 T 30 R 13 W

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Deep well Pump 4 in. Pipe

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

8. The depth of water table: 65 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: 160 ft Deep Well Pump 65 ft

10. The estimated amount of groundwater withdrawn each year: 200,000 gal

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

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: Book 218 Page 286-58

Signature of Owner: John Lodge
Date: 1-20-62

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 Appropiorator.

1972
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

County of Montana State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

1. 

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 Appropriate.
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Russell Curniffe

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.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Helen J. and George Dechamps

Date of Notice of Appropriation of Groundwater: May 7, 1965

Date well started: May 7, 1965

Date completed: May 12, 1965

Type of well: Drilled

Equipment used: Churn Drill

Water Use: Domestic

Indicate 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>5&quot; (5&quot; 14½ #)</td>
<td></td>
<td>0</td>
<td>73&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 32 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 60 feet at 50 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Continuous

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)

74 5" Casing 18" Above Ground Level

Drilled 73"

14

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

Thelma A. &/or
Owner: J. H. Dewell
Address: Missoula, Montana

Liberty Drilling Co., Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None filed

Date well started: 8/29/65
Date completed: 8/31/65

Type of well: Driven
Equipment used: Air Hammer
(Deg. 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>Stratum</th>
<th>Description</th>
<th>Depth (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2</td>
<td>Dirt &amp; gravel</td>
<td></td>
</tr>
<tr>
<td>2 - 26</td>
<td>Gravel &amp; cobblestones imbedded in gray clay</td>
<td></td>
</tr>
<tr>
<td>26 - 34</td>
<td>Gravel mixed in tan clay</td>
<td></td>
</tr>
<tr>
<td>34 - 61</td>
<td>Brown sand</td>
<td></td>
</tr>
<tr>
<td>61 - 64</td>
<td>Fine gray sand &amp; gravel</td>
<td></td>
</tr>
<tr>
<td>64 - 72</td>
<td>Coarse sand &amp; gravel</td>
<td></td>
</tr>
</tbody>
</table>

Water rises in the well 23½ feet from surface.

Static Water Level for non-flowing well
23½ feet.

Shut-in Pressure for Flowing Well Mnone.

Pumping Water Level 50 feet at 73 gal. per minute.

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

How Tested: Air Lift Pump
Length of Test: Four hours.

Remarks: (Gravel packing, cementing, packers, type of shutter) All water entering well is coming through perforations in 1½ inch casing. Wells in this area can be depended upon to produce clear sand free water year after year as long as they are not overpumped; i.e., they should be pumped at rates less than 25 to 30 gpm. (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).

Approx. 3.1 acres

Show exact depth of bottom.
Bottom of hole 72 ft.

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

1. James D. Ellen
   (Name of Appropriate) 1706 27th St. (Address) Missoula, (Town)
   County of Missoula 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, garden, lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: December 1, 1957 - constant use

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Drilled well, 6” casing, depth 70’

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

8. The depth of water table: 30 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” casing, depth 70’

10. The estimated amount of groundwater withdrawn each year: 4,088,000 gallons

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

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: inapplicable

Signature of Owner

Date: December 31, 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.
I received and filed this instrument for record on the 9th day of December, 1903, at 4 o'clock P.M., permanent time, in the County of Wisconsin, State of Wisconsin.

Witness my hand.

MARTIN J. BIRNBAUM, County Recorder.

By: [signature], Deputy

For 5, 50, O.A., filed.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
OFFICE OF STATE ENGINEER

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

1. James D. Ellen, of 1706 27th St., Missoula
   (Name of Appropriator) (Address) (Town)

   County of Missoula State of Montana
   have appropriated groundwater according to the Montana laws to effect prior to January 1, 1963, as follows:

   2. The beneficial use on which the claim is based: Domestic, garden, lawn

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Constant use 1933

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Well, Any Addition, Coburn & Dinman's Orchard

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1933

   8. The depth of water table: 30 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" casing, depth 70'

   10. The estimated amount of groundwater withdrawn each year: 4,088,000 gallons

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

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

   Signature of Owner: [Signature]

   Date: December 31, 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.
1 received and filed this instrument for record on the 31st day of October at 7:35 o'clock A.M., present time of Minnie County, State of Montana, Witness my hand.

MARTIN D. RINER, County Recorder
Deputy

215354
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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.

Name of Owner: Betty An Ellen
Address: 2706 27th Ave.
Missoula, Montana

Date well started: 3/8/71 GW 1
Completed: 5/9/71

Type of Well: Drilled

Equipment used: Cable Tools

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

Industrial [ ] Drainage [x] Other [x] 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). Let 1: Block 2: Aft Addition

Estimated Annual Withdrawal: 3,000,000

Top of Ground

Approx.

X

Y

Z

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

Driller's Signature: [Signature]

Driller's Address: 2300 Reserve

Notice of Completion of Groundwater
Appropriation by Means of Well

County: Missoula

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.

Approx.

Top of Ground

C 1. Topsoil
2. Sand, gravel and cobblestone with silt mixed in
3. 5 Gravel and cobblestone with silt mixed in
4. 65 Silty sand
5. 78 Gravel and sand
6. 79 Clean coarse gravel

Water rises in the well 35 ft. from surface.

74: Show exact depth of bottom

Note: Show exact depth of bottom
Note: Wells in this area can be depended upon to produce clear sand-free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.
Notice of Completion of Groundwater Appropriation by Means of Well
(1961)

Owner. David Holloway, Residence 2613 41 6th Ave. W.

Date of Notice of Appropriation of Groundwater

Date Completed: Oct. 1956

Type of well. Equipment Used
(dug, driven, bored or drill, drill, rotary or other)

Water Use: Domestic [] Municipal [ ] Other [] Irrigation []

Indicate 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.

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, location of piece 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

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.

Approved Stock Form—State Publishing Co., Helena, Montana. 19172

File No. 1387

Received

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER APPROPRIATION
OFFICE OF STATE ENGINEER

Top of Ground
(Elev. above sea level.

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

Show exact depth of bottom.

Owner's Signature

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.
I received and filed this instrument for record on the 21st day of March, 1972, permanent file of Minnesotta County, State of Minnesota. Witness my hand.

[Signatures]

Recorder
By [Signature], Deputy
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: William P. Osborne, License No.: 52
Address: 2500 Reserve Street, Missoula, Montana

Date well started: 3/15/71
Date well completed: 4/24/71

Type of well: Drilled
Equipment used: Air Rotary & Cable Tools

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

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: 328,400,000

Top of Ground

<table>
<thead>
<tr>
<th>Appr. From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topsoil</td>
</tr>
<tr>
<td>1</td>
<td>Sand, gravel &amp; cobblestones</td>
</tr>
<tr>
<td>24</td>
<td>Gravel &amp; cobblestones mixed with tan silt</td>
</tr>
<tr>
<td>33</td>
<td>Gravel to coarse sand</td>
</tr>
<tr>
<td>46</td>
<td>Clean coarse sand</td>
</tr>
<tr>
<td>46</td>
<td>Gravel</td>
</tr>
<tr>
<td>57</td>
<td>Clean coarse gravel</td>
</tr>
<tr>
<td>65</td>
<td>Mixed in tan clay</td>
</tr>
<tr>
<td>79</td>
<td>Silty sand</td>
</tr>
<tr>
<td>88</td>
<td>Very silty sand</td>
</tr>
<tr>
<td>72</td>
<td>Silty sand and gravel</td>
</tr>
<tr>
<td>72</td>
<td>Clean coarse sand and gravel</td>
</tr>
<tr>
<td>74</td>
<td>Gravel imbedded in tan silty clay</td>
</tr>
<tr>
<td>79</td>
<td>Clean coarse sand</td>
</tr>
<tr>
<td>88</td>
<td>And gravel</td>
</tr>
<tr>
<td>88</td>
<td>Cobblestones &amp; gravel</td>
</tr>
<tr>
<td>88</td>
<td>Imbedded in tan clay</td>
</tr>
<tr>
<td>113</td>
<td>Clean coarse sand</td>
</tr>
<tr>
<td>113</td>
<td>Gravel and cobblestones</td>
</tr>
<tr>
<td>125</td>
<td>Silty sand, gravel and cobblestones</td>
</tr>
</tbody>
</table>

Blank steel flush tube, (tailpipe) to bottom of well screen extending 113' below screen. Tailpipe:

Static water level: 29'7" ft.
Pumping water level: 66' ft.
Flow rate: 1100 gallons per minute measured 60 minutes after pumping began.

Measured from ground level.

Well developed by Surge & Air for 20 hours.

Power: Diesel Pump 150 HP

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well is coming through holes in Johnson Screen. Water will screen:

125 ft. Show exact depth of bottom
Water rises in the well 29'7" from surface

Driller's Signature: William P. Osborne, Owner
Driller's Address: 2500 Reserve Street, Missoula, Montana

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

Missoula, Montana
I received and filed this instrument for record as an Act of Age. ... 31st...
of ... 1931. ... County of ... of ... ... County. ... Recorder...
By: ... Deputy...
[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. The Forest & Conservation Experiment Station, School of Forestry, Montana State University, (Name of Appropriator)
   County of Missoula State of Montana (Address) Missoula (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
   Irrigation of nursery

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1954 and continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2,000 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. water potential of 160 acres in 8/4 of No. 2 and 80 of No. 1 in Sec. 30, T 30 N, Forest and Conservation Experiment Station, Forest Tree Nursery, R 19W M.P.M.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. electric pump located near center of SE 1/4 of No. 2, Sec. 30, T 19N, R 19W.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1954

8. The depth of water table 211 to 321

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 120 ft. deep

10. The estimated amount of groundwater withdrawn each year 30,000,000 gal.

11. The log of formations encountered in the drilling of each well if available
   0-2 ft. top soil
   2-5 ft. sand
   9-60 ft. sand, gravel & clay
   60-1210 ft. 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 applicable

Signature of Owner

Date: 2/23/62

Forest and Conservation Experiment Station, School of Forestry
Montana State University

By: Ross A. Williams, Director

Three copies to be filled 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.
I received and filed this instrument for record on the 20th day of March, 1922, at 10:55 a.m., in the presence of the following persons:

Merton M. Bowers, County Recorder

Wllie G. Johnson, Clerk

I certify that the above is true and correct.

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

1. The Forest & Conservation Experiment Station, School of Forestry, Montana State University
   (Name of Appropriator) (Address) Missoula (Town)
   County of Missoula State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

4. The amount of groundwater claimed (in miner’s inches or gallons per minute) 1500 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, 84-36-33, Sec. 30, T. 13N, R. 13W, Forest and Conservation Experiment Station, Forest Tree Nursery

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Electric pump in 140' deep well, Sec. 30, T. 13N, R. 13W
   Signage point and place, if possible

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1956

8. The depth of water table 25'

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
   125' deep
   12' casing

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record not applicable

   The Forestry and Conservation Experiment Station, School of Forestry
   Montana State University
   By: ROSA WILLIAMS, Director Date: 2/24/62

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.
I received and filed this instrument for record on the 6th day of March, 1962, at 1:40 o'clock, A.M., pursuant to the laws of Missoula County, State of Montana.

Witness my hand:

MARTIN D. BEINER, County Recorder

By:    S. J. STOLTZ, Deputy

MAHNN S. BEINER, County Recorder

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

J. Howard Foster
1 Martha T. Foster of 2116 27th St. Sta 1 Missoula
(Name of Appropriator) (Address) (Town)

County of Missoula 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.
   - Household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. February 1950
   - Used every day since

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

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. Whole size of lot 100 x 150 feet.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. The house was built between May and June, 1950, and the well was drilled sometime during that period.

8. The depth of water table. Not known

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 about 50 feet deep.

10. The estimated amount of groundwater withdrawn each year. Not known

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Not known

Signature of Owner J. Howard Foster

Date 1-1-62

Three copies to be filled 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.
Copy

I received and filed this instrument for record on the 21st day of Feb., 1874,
at 12:30 o'clock, A.M., in the presence of the following witnesses

WITNESS my hand

MARTIN E. REINER, County Recorder

Dr. [ illegible ]

P.C. [ illegible ]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(ائم of Appropriator) (Address) (Town)

County of Missoula 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, Barn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1934 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 4 G.P.M. (400 gals. per hr.)

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:

GARDEN 30 X 100

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

Electric Submersible Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1934

8. The depth of water table: 22 (217) 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:

601 Depth 6" casing

10. The estimated amount of groundwater withdrawn each year: 160,965,961

11. The log of formations encountered in the drilling of each well if available: X 40 X 56

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:

Nothing 6/55 Applicable

Signature of Owner: Elma Frank

Date: April 6, 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.