MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Art Sprengley
Address: Butte, Billings, Mont.

Driller: Midland Drilling Co
Address: Billings, Mont.

Date Started: September 1954
Date Completed: Sept. 1954

Location: Sec. 19, T. 15 N., R. 66 E., sec. 7

Type of Well: Driven
Equipment Used: Power Driven

Type of Water Use:
- Domestic [x]
- Municipal [ ]
- Stock [ ]
- Irrigation [x]
- Industrial [ ]
- Drainage [ ]
- Other: [ ]

Casing:
- Depth: 24 ft.
- Type: Galv.
- Size: 2 1/2"

Casing:
- Depth: ft. to ft.
- Type: Size

Perforated or Screened:
- Depth: 24 ft. to 27 ft.

Type of Screen or Perforations:
- Slotted

Static Water Level, for non-flowing well: 14 feet.
Shut-In Pressure, for flowing well: lb./sq. in.

Pumping Water Level: 14 ft. test at 1 gal. per min.

How Tested: Pumped with 1/2" pump

Length of Test: 14 hrs.

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

(over)
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: River Grove Estates 1724 Mulberry Ave
Driller: JAD Drilling

Date of Notice of Appropriation of Groundwater
Date well started: 5/12/72  Date Completed: 5/23/72

Type of Well: Drilled
Equipment Used: CABLE

Water Use: Domestic

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc.

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole (in)</th>
<th>Size and Weight of Pumping Unit (gallons per minute)</th>
<th>Riser Length (feet)</th>
<th>Riser Length (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>150</td>
<td>15</td>
<td>3.9</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 15 feet

Shut-in Pressure for flowing Well: 1 foot at 30 gal. per minute

Pumping Water Level: 1 foot

Discharge in gal. per min. of flowing well: 3.9 gal. per minute

How Tested: 4 hrs

Remarks: Gravel packing, cementing, packers, type of strata, 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.

PIPE EXT 1/4 A GROVE

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: River Gravel Estates
Address: 1926 Mullan Way

Date of Notice of Appropriation of Groundwater: 1/20/72

Date well started: 3/13/72; Date Completed: 4/13/72

Type of well: Drilled; Equipment Used: Cable

Water Use: Domestic □; Municipal □; Other □; Irrigation □

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

Show exact depth of bottom. Doc. No. 91223

Static Water Level for non-flowing Well: 14 feet

Shut-in Pressure for Flowing Well:

Pumping Water Level: 0 feet at 30 gal per minute

Discharge in gal per min. of flowing well:

Tested Length of Test: 4.458 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).

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 237, Montana Session Laws, 1961)

1. [Name of Appropriator],
   [Address],
   [Town],
   [County of Appropriation],
   [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 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. To 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: [Signature]
Date: [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 & Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the appropriator.
STATE OF MONTANA, L.T.
County of Yellowstone,
This instrument was filed in my office
this DEG 31 1963
at 2 P.M.
Wilson E. Hedding
County Clerk & Recorder

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

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

Owner: Home Center Inc. Address: 10 Sumac Dr.
Driller: Charles Wood Address: 1064 Hannon Road

Date of Notice of Appropriation of Groundwater April 1, 1968
Date well started: Mar. 20 Date Completed: Mar. 29, 69

Type of well: Driven Equipment Used: Walking beam
(Dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cables</th>
<th>Depth (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 inch</td>
<td></td>
<td>00</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 12 feet
Shut-in Pressure for Flowing Well:

Pumping Water Level: 14 feet at 10 gal. per minute

Discharge in gal. per min. of flowing well:

How Tested: Ann pump Length of Test: 4 hrs

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

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Home Center Inc.
Address: 7 Sumac Drive

Driller: Charles Keed
Address: 1064, Hamnon Road

Date of Notice of Appropriation of Groundwater: April 1, 1968

Date well started: Mar. 27
Date completed: Mar. 28

Type of well: driven
Equipment Used: Walking beam

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Pipe</th>
<th>Max. Weight of Casings</th>
<th>Depth (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 inches</td>
<td>8 lbs.</td>
<td>00</td>
<td>32</td>
<td>2 ft. sl. 28</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 12 feet.

Shut-in Pressure for Flowing Well: ____________

Pumping Water Level: 16 feet. at: 10 gal. per minute.

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

How Tested: ____________
Length of Test: ____________

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

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

Show exact depth of bottom.

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
(Under Chapter 237, Montana Session Laws, 1961)

Owner:
Address:

Driller:
Address:

Date of Notice of Appropriation of Groundwater:

Date well started:
Date Completed:

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

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole (Feet)</th>
<th>Size of Drilled Hole (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>1</td>
<td>1</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well.

Shut-in Pressure for Flowing Well.

Pumping Water Level.

Discharge in gal. per min. of flowing well.

How Tested:

Length of Test:

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

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

Show exact depth of bottom.

Driller's License Number
Driller's Signature

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

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

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

10.

42,387
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: [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]  Equipment Used: [Equipment]

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

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

<table>
<thead>
<tr>
<th>Kind of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
</table>

Static Water Level for non-flowing well: [Level] feet.
Shut-in Pressure for Flowing Well: [Pressure] feet at [Rate] gal. per minute.
Pumping Water Level: [Level] feet.
Discharge in gal. per min. of flowing well: [Rate]
How Tested: [Method]  Length of Test: [Duration]

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)

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

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.

[Driller's License Number]
[Driller's Signature]

47,387
STATE OF MONTANA, ss.
County of Yellowstone, ss.

This instrument was filed in my office at
the 10 day of October, 1967,

at 8 o'clock P.M.

W. P. Keen
County Clerk & Recorder

By
Deputy
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: George Martin
Address: 113 1st Avenue
Driller: George E. Croach
Address: 414 Second Avenue

Date Started: 3-11-61  Date Completed: 3-11-61

Location: Sec. 20 T. 18 R. 6 E

Type of well: Sand Point
Equipment used: Deep Diggler

Water use:
- Domestic
- Municipal
- Stock [X]
- Irrigation
- Other

Casing:
- 10 ft. to
- Type: Steel
- Size: 6" Pipe

Casing:
- 20 ft. to
- Type: Steel
- Size:

Casing:
- 30 ft. to
- Type:
- Size:

Perforated or Screened:
- 0 ft. to
- Fl.
- 0 ft. to

Type of screen or perforations:

Static Water level, for non-flowing well:

Shut-in pressure, for flowing well:

Pumping water level:
- 10 feet at
- GPM

How tested:
- Submersible Pump

Length of test:
- 10 hrs.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>16 ft</td>
<td>16 ft Deep - 5 ft Sandstone</td>
</tr>
</tbody>
</table>

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

(Under Chapter 337, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Date of Notice of Appropriation of Groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>Larry Johnson</td>
<td>1151 Montana Ave</td>
<td>July 12, 1962</td>
</tr>
</tbody>
</table>

**Date well started:** July 12, 1962  
**Date Completed:** July 12, 1962  
**Type of well:** Drilled  
**Equipment Used:** Cable tool  
**Other:** (Dug, driven, bared or drilled)

**Water Use:** Domestic □  
**Municipal** □  
**Irrigation** □  
**Industrial** □  
**Drainage** □  
**Stock** □

---

**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.**

### Chart

<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>1.3 in.</td>
<td>6.25 Lb.</td>
<td>10 ft.</td>
<td>10 ft.</td>
<td></td>
</tr>
</tbody>
</table>

### Static Water Level for non-flowing WELL

28 ft. from grade...feet

### Shut-in Pressure for flowing Well

0.0 psi...

### Pumping Water Level

30 feet at 20 gal. per minute

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

2.0 gpm...

### How Tested

2.0 hrs...

### Remarks

Gravel packing, cementing, packers, type of strata, 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**

Larry Johnson

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 of the well 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)

Owner: Eleanor Scharosch Address: BILLINGS, MONT.
Driller: Roy D. Pierce Address: BILLINGS, MONT.

Date of Notice of Appropriation of Groundwater:
Date Well Started: 1961-07-16 Date Completed: 1961-07-18

Type of Well: D.R. (drilled) Equipment Used: CHICK
(Chop, drill, rotary or drilled)

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

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

<table>
<thead>
<tr>
<th>Rock or Strata</th>
<th>Weight or Unit</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sediment</td>
<td>6 5/8” X 15’</td>
<td>0</td>
<td>2.5’</td>
</tr>
<tr>
<td>Limestone</td>
<td>6 5/8” X 15’</td>
<td>2.5’</td>
<td>N/A</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 15’ above surface of well.
Shut-in Pressure for Flowing Well
Pumping Water Level: 20 feet at 30 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: BAFFLE
Length of Test: 30 MIN.
Remarks: Gravel packing, cementing, packers, type of shaft, location of place of use of groundwater if not at well, and any other pertinent information, including number of
acres irrigated, if used for irrigation.

WELL DRILLED TO SHALE
PIPE PULLED BACK 1’ OFF

Driller’s License Number: Roy D. Pierce
Driller’s Signature: Roy D. Pierce

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.

4/5/69
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. **Albert P. and Amanda K. White**, of 3717 Custer Ave., Billings, (Name of Appropriate) (Address) (Town)

   County of Yellowstone, State of Montana

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

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

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

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      - Not known - very old well

   8. The depth of water table
      - 15 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
      - Three ft. concrete casing - depth of 35 to 30 feet

   10. The estimated amount of groundwater withdrawn each year
      - Unknown

   11. The log of formations encountered in the drilling of each well if available
      - None

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

   Signature of Owner
   [Signature]
   Date
   **May 10, 1962**

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

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

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

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

1. Albert P. and Amanda E. White, of 2717 Custer Ave., Billings,
   (Name of Appropnator).
   (Address) Montana
   (Town)

   County of Yellowstone
   (State of)

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

   Lot 5 a fraction of
   NE 1/4 SE 1/4 Sec. 18 T.18 N.26 E.

   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
      Irrigation

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

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

   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 18 acres

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Not applicable

   8. The depth of water table
      Unknown

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      Not applicable

   10. The estimated amount of groundwater withdrawn each year
      Unknown

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

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

   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 School of Mines and quadruplicate for the Appropnator.
Notice of Completion of Groundwater Appropriation by Means of Well

Under Chapter 237, Montana Session Laws, 1961

Top of Ground
(Elav. above sea level

<table>
<thead>
<tr>
<th>Depth Range</th>
<th>From 0 ft to 1 ft</th>
<th>From 1 ft to 9 ft</th>
<th>From 9 ft to 21 ft</th>
<th>From 21 ft to 33 ft</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil Type</td>
<td>top soil</td>
<td>gray shale</td>
<td>sand &amp; gravel</td>
<td>dark shale</td>
</tr>
</tbody>
</table>

Date of Notice of Appropriation of Groundwater: Sept. 10, 1963; Date Completed: Sept. 12, 1963

Type of Well: Drilled

Equipment Used: Cable tools

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From Surface</th>
<th>To Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>10-5 lbs above surface</td>
<td>1 ft</td>
<td>21½</td>
</tr>
</tbody>
</table>

From 21 ft to 33 ft-

| 5" | sheet metal \(9\) | 33 | all perforated |

Static Water Level for non-flowing Well: 8 feet

Shut-in Pressure for Flowing Well:

Pumping Water Level: 35 feet at 12 gal. per minute

Discharge in gal. per min. of flowing well:

How Tested: Bailer

Length of Test: 3 hrs.

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)

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

Show exact depth of bottom.

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
# 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 (Signature):**

**Address:**

**Date well started:**

**Completed:**

**Type of well:**

**Equipment used:**

**Water Use:**

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

*Describe*

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

**ESTIMATED ANNUAL WITHDRAWAL: 240,000**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size of Well Bottom</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1/2</td>
<td>6 5/8</td>
<td></td>
</tr>
<tr>
<td></td>
<td>27</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4</td>
<td></td>
</tr>
<tr>
<td></td>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:**

**Pumping water level:**

*Measured from ground level. Well developed by 3.5 hours. Power: Pump, 3 HP. Remarks: (Gravel packing, cementing, packers, type of substitutes).*  
**Bottom-out water driven for used:**

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

**Driller's Signature:**

**Driller's Address:**

**License No.: 188**

**Show exact depth of bottom:**
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:_________________________  For Administrator's Use:
Address:_________________________

Date well started:_________________
Date well completed:_________________

Type of well:_____________________

Equipment used:_____________________

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

* Describe:

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Well Developed</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Power: Pump: HP</td>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off)</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: ___________________________

Show exact depth of bottom

LICENSE NO. ___________________________

County: _______________
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: ___________________________  For Administrator's Use
Address: ___________________________

Date well started: ____________-________
completed: ____________-__________

Type of well: ___________________________

Equipment used: ___________________________

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL: ________

Top of Ground

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

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

<table>
<thead>
<tr>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Min Size</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>...</td>
</tr>
</tbody>
</table>

Static water level: ________ ft.
Pumping water level: ________ ft.
at ________ gallons per minute, measured ________ minutes after pumping began.
*Measured from ground level.
Well developed by: ________ hours.

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

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

Driller's Signature: ___________________________
Driller's Address: ___________________________

LICENSE NO. ________
STATE OF MONTANA, ss.
County of Yellowstone.

This instrument was filed in my office
the JUN 20, 1977 at
2:20 am.

MEREDITH M. LUNDY,
Judge, Clerk & Recorder

Deputy
<table>
<thead>
<tr>
<th>Form No.</th>
<th>18</th>
</tr>
</thead>
<tbody>
<tr>
<td>I North</td>
<td>R. 26 East</td>
</tr>
<tr>
<td>COUNTY</td>
<td>Yellowstone</td>
</tr>
<tr>
<td>Received</td>
<td>Jan 2 1952</td>
</tr>
</tbody>
</table>

**STATE ENGINEER**

**Owner’s Name:** Valentine & Nell S. Paganini
**Address:** 611 North 15 Street, Billings, Montana

<table>
<thead>
<tr>
<th>Driller (unknown)</th>
<th>Address ___</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Started (well was there when Date Completed)</td>
<td>(we bought)</td>
</tr>
<tr>
<td>Location: Sec. 25, T. N., 26 East</td>
<td>Sec. 8.14</td>
</tr>
</tbody>
</table>

**Type of well:** dug, no doubt
**Equipment used:** (known)

- **Water use:**
  - Domestic [x]  
  - Municipal
  - Irrigation
  - Other

- **Industial**
- **Drainage**
- **Other**

<table>
<thead>
<tr>
<th>Casings: unknown ft.</th>
<th>unknown ft.</th>
<th>Type: unknown</th>
<th>Size: unknown</th>
</tr>
</thead>
<tbody>
<tr>
<td>[unknown ft.]</td>
<td>[unknown ft.]</td>
<td>[unknown]</td>
<td>[unknown]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Diameter: ft.</th>
<th>to. ft.</th>
<th>Type:</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td>[unknown ft.]</td>
<td>[unknown ft.]</td>
<td>[unknown]</td>
<td>[unknown]</td>
</tr>
</tbody>
</table>

**Perforated or screened:** Ft. — — — to ft. — — — to ft. — — —

**Type of screen or perforations:** none

**Static water level, for non-flowing well:** from grade, 12 feet.

**Shut-off pressure for flowing well:** — — — lb. /sq. in. on: not known (date)

**Pumping water level:** 24 feet at 12 gal. per min.

**How tested:** by pump

**Length of test:** 5 hrs.

**Remarks:** [travel, pecking, cement, peckers, type of shut-off, depth of shut-off]

The above is from best information obtainable
<table>
<thead>
<tr>
<th>Section 22</th>
</tr>
</thead>
<tbody>
<tr>
<td>Location: Sec. 22, T.N. 26 East, 1/4 sec., TWO Acres (2)</td>
</tr>
</tbody>
</table>

- **Date started**: After 4/21/1946
- **Date completed**: Not known

**Water Well**

- Owner: Valentine & Nell S. Faganini
- Address: BILLINGS, MONTANA
- Driller: Mr. Loren E. Anderson
- **Type of screen or perforations**: Perforated or screened from ft. to ft., Type: Size
- **Type of well**: Drilled
  - Equipment used: Cable tools
  - (Drill, driven, or drilled)
- **Water use**: Domestic
- **Type of screen or perforations**: None
- **Static water level, for non-flowing well**: From grade, 12 ft.
- **Shut-in pressure for flowing well**: 15 lb./sq. in. on: —— (date)
- **Pumping water level**: 24 feet at 12 gal. per min.
- **Remarks**: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

The above is from best information obtainable

---

**Date of purchase**: Drilled soon after

---

**Date started After 4/21/1946**

**Date completed not known**

---

**Type of well**: Drilled
- Equipment used: Cable tools
- (Drill, driven, or drilled)

---

**Water use**: Domestic
- **Type of screen or perforations**: Perforated or screened from ft. to ft., Type: Size
- **Type of screen or perforations**: None
- **Static water level, for non-flowing well**: From grade, 12 ft.
- **Shut-in pressure for flowing well**: 15 lb./sq. in. on: —— (date)
- **Pumping water level**: 24 feet at 12 gal. per min.
- **Remarks**: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

The above is from best information obtainable

---

**Date of purchase**: Drilled soon after
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: Floyd H. Graber
Address: 8811 E. Graber
File: 937544

Date well started: 9-10-72
GW 1: 4:30 P.M.

Type of well: [ ] Dug, [ ] Driven, [ ] Bored, [ ] Drilled

Equipment used: [ ] Other

Water Use: [ ] Domestic, [ ] Municipal, [ ] Stock, [x] 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: 500,000

<table>
<thead>
<tr>
<th>Size of Drilling Hole</th>
<th>Depth and Weight of Drilling Rod</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot;</td>
<td>0</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 20 ft.
Pumping water level: 40 ft.
Power: 3 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature
Driller's Address

LICENSE NO.

Count: 40'
Show exact depth of bottom

53.970
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

- **Owner:** Floyd H. Graber
- **Address:**
- **Driller:**
- **Date well started:** June 25, 1973
- **Date well completed:**
- **Type of well:**
- **Equipment used:**
- **Depth:**
- **Water Use:**
- **USE:**
- **Estimated Annual Withdrawal:**
- **Perforations:**
- **Static water level:**
- **Pumping water level:**
- **Power:**
- **Remarks:**
- **Indicate Location of Well and Place of Use, if possible.
- **Each Small Square Represents 40 Acres.**
- **Driller's Signature:**
- **Driller's Address:**
- **LICENSE NO.:**

---

### Table: Estimated Annual Withdrawal

<table>
<thead>
<tr>
<th>Size of Debris</th>
<th>Size and Weight of Debris</th>
<th>From</th>
<th>To</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot;</td>
<td>0</td>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>

---

### Diagram:

- **Static water level:** 30 ft
- **Pumping water level:** 30 ft
- **Well developed by:** for hours
- **Power:** HP
- **Remarks:** (Gravel packing, cementing, packers, type of shut-off)

---

**License No.:** 40
STATE OF MONTANA,  
County of Yellowstone.  

This instrument was filed in my office  
this  
JUN 25 1973  
at 2:30  
MILLER, KUNDT,  
County Clerk of Recorder  
By  

220
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eleanor D. Sanderson</td>
<td>120 Sassy Ave.</td>
<td>Leroy E. Johnson</td>
<td>941 Cook Ave.</td>
</tr>
</tbody>
</table>

Date Started: 18 Aug 1959  Date Completed: 20 Aug 1959

Location: Sec. 26  T. 1 S R 26 E 1/4 sec

Type of well Drilled: (Dog, driven, bored, or drilled)

Equipment used: Cable tools: (Chain drill, rotary, other)

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

Industrial [ ]  Drainage [ ]  Other: [ ]

Casing: Surface ft. to 18 ft. Type: Black Size: 3"

Casing: 63 ft. to 65 ft. Type: Sheet Metal Size: 6"

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 35 to 35 Ft. to 19 ft.

Type of screen or perforations: Factory made

Static Water level, for non-flowing well: 13 feet from grade

Shut-in pressure, for flowing well: 40 lb./sq. in. on: (date)

Pumping water level: 40 feet at 10 gal. per min.

How tested: Pump

Length of test: 6 hours

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 feet</td>
<td>Top soil</td>
</tr>
<tr>
<td>1&quot; - 10&quot;</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>10&quot; - 40&quot;</td>
<td>Layers of sand rock and shale</td>
</tr>
<tr>
<td>40&quot; - 65&quot;</td>
<td>Light gray sand and rock</td>
</tr>
</tbody>
</table>
### Declaration of Vested Groundwater Rights

**State of Montana**

**County of Yellowstone**

#### Declaration of Vested Groundwater Rights

**(Under Chapter 237, Montana Session Laws)**

**Appropriator:** Yellow Deer Equipment Co.  
**Address:** Blue Creek, Miles

<table>
<thead>
<tr>
<th>N.E.N.W.</th>
<th>S.E.</th>
<th>28°14' R. 26°</th>
</tr>
</thead>
<tbody>
<tr>
<td>Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. **Appropriator:** Yellow Deer Equipment Co.  
2. **State of:** Montana
3. **Beneficial use:** House, Stock, Unknown
4. **Date of earliest beneficial use:** Approximate - 1955 and continuous
5. **Amount of groundwater claimed:** 200 gpm
6. **Means of withdrawing:** Electric Pump
7. **Date of commencement and completion:** Unknown
8. **Depth of water table:** 10 feet
9. **Type, size and depth of each well:** 25 feet deep
10. **Estimated amount of groundwater withdrawn each year:** 250,000 gal.
11. **Log of formations encountered in the drilling of each well:** Clay and shale
12. **Other information:**

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.

**Signature of Owner:**  
**Date:** 12/31/1963

Original to County Clerk & Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller and, 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: Paul F. Allen
Address: 809 Delphinium

Date well started: Jan 52
Completed: Jan 52

Type of well: Known
Equipment used: Known

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

*Describe:

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Well Developed</th>
<th>Power Pump:</th>
<th>Remarks: (Gravel packing, cementing, packers, type of shutoff)</th>
</tr>
</thead>
</table>

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

Driller's Signature
Driller's Address
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: Paul F. Allen
Address: 809 Debois

Date well started: 3-25
Completed: 3-28 11:00 a.m.

Type of well: Not Known
Equipment used: Power

Water Use: Domestic

Industries: None

USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (e.g. Lot, Block 8-9-84-34W.2N)

ESTIMATED ANNUAL WITHDRAWAL

<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>Kind of Shutoff</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td>0</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 12 ft.
Pumping water level: 9 ft.

*Measured from ground level. Well developed for: 8 hours. Pump: X HP

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

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

Driller's Signature
Driller's Address

LICENSE NO. Y4549
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: 30 MILE RANCH
Address: 1002 LAUREN

Date of Notice of Appropriation of Groundwater
Date well started: 11/15/69
Date completed: 11/20/69

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

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

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

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 shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation)

Driller's License Number
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 to 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

STATE ENGINEER

1. Harold Fox of 3602 14th Ave S, Billings
(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: Lawn Sprinkling

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3 gal/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: Two residential lots

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: 1 1/2 H.P. Centrifugal pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1958 - 1959

8. The depth of water table: 21 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: 25 ft. of 2 3/8" pipe 29' deep

10. The estimated amount of groundwater withdrawn each year: 110,000 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: None

Signature of Owner: Date: Feb. 19, 1962

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

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

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Reinhold A. Seber or Martha M., of 1716 Lewis Ave., Billings
   (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 for
      lawn and trees.

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been
      April 1955 and has been used every year since.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1000 - 500

   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 Irrigation only in so far as
      lawn purposes well for such use.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for
      withdrawal of groundwater
      April 1955

   8. The depth of water table
      22 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 withdrawal of groundwater: 1 in. pipe, in a 2 ft. casing, 35 ft. deep

   10. The estimated amount of groundwater withdrawn each year
      1 million gal

   11. The log of formations encountered in the drilling of each well if available
      4 ft. sandy loam
      21 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
      None

   Signature of Owner
   [Signature]
   Date August 10, 1962

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

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

   Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. 

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

3. Date or approximate date of earliest beneficial use and how con-
tiguous use has been shown by use:

4. The amount of groundwater claimed (in 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 construc-
tion 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 School of Mines
and Quadruplicate for the Appropriate party.
STATE OF MONTANA

AGQUI' ESTA SUB

COUNTY OF YELLOWSTONE

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 21, Montana Session Laws, 1965)

Gerald W. Brewer (Name of Appropriate)
Box 2607, Blue Creek, Billings (Address)

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: Household & Livestock by 1961.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1-10-63.

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

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

Pumping.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1-10-65 (1 well) giving 200 gallons per min. Another well to be dug in 1966.

8. The depth of water table: 15' to 50'.

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: See Sec. 34 T. S. R. 96 E.

10. The estimated amount of groundwater withdrawn each year: 48,800 gallons.

11. The log of formations encountered in the drilling of each well if available: None.

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

Signature of Owner: Gerald W. Brewer
Date: 12/31/65

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.
Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. **Marie H. Hill**
   - **Name of Approprietor**
   - **Address**: Billings, MT
   - **Town**: Billings
   - **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**: Domestic, livestock, and irrigation
   - **3. Date or approximate date of earliest beneficial use; and how continuous the use has been**: May 1960, used continuously
   - **4. The amount of groundwater claimed (in miner's inches or gallons per minute):** 80 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**: Four acres, meadow pasture
   - **6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal**: Electric pump

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

   - **7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**: May 1960, completed May 1960
   - **8. The depth of water table**: Depth of well 21 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**: The well is 8 ft. square, twenty-one (21 ft) deep, cilled with plank
   - **10. The estimated amount of groundwater withdrawn each year**: 400,000 gal. Per year
   - **11. The log of formations encountered in the drilling of each well if available**: 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**: 

   **Signature of Owner**: Marie H. Hill
   - **Date**: Dec. 31, 1965

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 Approprietor.
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: Warren C. Locke

Address: 38 Beech Lane

Billings, Mont.

Date well started: June 21, 1973

Type of well: Dug

Equipment used: Hand drill

Water Use: Domestic

USE: If used for irrigation, industrial, drainage, or other, explain. State number of acres and location or other data (i.e., lot, block, and addition).

ESTIMATED ANNUAL WITHDRAWAL: 500,000 gal

Top of Ground:

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

PERFORATIONS:

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

Static water level: 5 ft

Pumping water level: 10 ft

at 150 gallons per minute, measured 15 minutes after pumping began.

*Measured from ground level; Well developed by ____________ hours.

Power: 1 HP

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

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

Driller's Signature

Driller's Address

LICENSE NO
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 227 Montana Session Laws, 1961, as amended)

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

Owner:
Address:
Date well started:
Date well completed:
Type of well:
Equipment used:
Water Use:
Domestic □ Municipal □ Stock □ Irrigation □
Industrial □ Drainage □ Other □ Garden/Lawn □

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50/15</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

Static water level
Pumping water level
at

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

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

Driller's Signature
Driller's Address

LICENSE NO.
STATE OF MONTANA, ss.
County of Yellowstone, ss.
The instrument was filed in my office
this 21st day of June, 1919,
at 7:30 o'clock A.M.
M. LUNDY
County Clerk & Recorder
By  

Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER RIGHTS
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Statutes 1947, 1900)

[Handwritten text not legible]
STATE OF MONTANA
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. Marie H. Hill of Blue Creek County Billings (Address)
   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: Livestock and Irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: May 1960
   and continued until 1965,

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

   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: 3 acres, Forest Service, Yellowstone.

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

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

   8. The depth of water table: 6 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: 174 ft.

   10. The estimated amount of groundwater withdrawn each year: 300,000 gpm

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

   Signature of Owner: Marie H. Hill
   Date: Dec. 31, 1965

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, state otherwise the form may be returned.  

Driller's Signature: Vern N. Locke  
Driller's Address: 306 Buena Vista  

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### 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, state otherwise the form may be returned.  

**Owner:** Vern N. Locke  
**Address:** 306 Buena Vista  

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**Date well started:** Unknown  
**Type of well:** Unknown  
**Equipment used:** Unknown  
**Water Use:** Domestic □  Municipal □  Stock □  Irrigation □  
Industrial □  Drainage □  Other □  Garden/Lawn □  

---  

**Estimated Annual Withdrawal:** 8000 gal  

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**Driller's Signature:** Vern N. Locke  
**Driller's Address:** 306 Buena Vista  

---  

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

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**Show exact depth of bottom:** 17
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: Vernon E. Locke
Address: 8F Bedroom, Dist. 4, Rail. 5, Hail.

Date well started: Unknown
Completed: Unknown

Type of well: Unknown
(Reg. driven, bored or drilled)

Equipment used: Unknown
(Churn drill, rotary or other)

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): 100 acres

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Pumped Water</th>
<th>Size of Well</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kind</td>
<td>Size</td>
<td>From (Feet)</td>
<td>To (Feet)</td>
</tr>
<tr>
<td>Kind</td>
<td>Size</td>
<td>From (Feet)</td>
<td>To (Feet)</td>
</tr>
</tbody>
</table>

Static water level: 50 ft.
Pumping water level: 150 ft.
at: 300 gallons per minute
measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by
for 12 hours.
Power: 1/2 HP
Remarks: Gravel packing, cementing, packers, type of shutoff.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
each small square represents 40 ACRES.

Driller's Signature
Driller's Address

LICENSE NO.

Show exact depth of bottom
STATE OF MONTANA, 

County of Yellowtank, 

This instrument was filed in my office 


at 11:53 a'clock A. 

MERRILL A. KUNDT 

Register Clerk & Recorder 

By 

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

Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. **Thomas J. Schwartz**, of **Blue Creek Place**, **Billings, Montana**
(Owner)

County of **Yellowstone**, State of **Montana**

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1965, as follows:

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: **Sept 20, 1965**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **20 GALLONS 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: **Lawn and garden**

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

   - **Pump**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **APPROX 6.5**

8. The depth of water table: **APPROX 50’**

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:

   - **Submersible Pump**
   - **8” Casing**
   - **APPROX 45’**

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

11. The log of formations encountered in the drilling of each well if available: **None**

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

   **Signature of Owner:**

   **Date:** 12-31-65

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.