## WATER WELL LOG

**Owner:** M.C. McCord  
**Address:** Mott, Montana

**Driller:** Clyde Lindo  
**Address:** 181 Wilcox  
**Bellings, Montana**

**Date Started:** Oct. 10, 1959  
**Date Completed:** Oct. 20, 1959

**Location:** Sec. 4  
**T. 1 N. R. 24 E**

---

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
</tbody>
</table>

**Perforated or Screened:**  
- Ft. to Ft.  
- Ft. to Ft.

**Type of screen or perforations:**

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

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

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

**How tested:** Pump Test

**Length of test:**

**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</td>
<td>Sand</td>
</tr>
<tr>
<td>2</td>
<td>blue shale</td>
</tr>
<tr>
<td>29</td>
<td>very hard rock</td>
</tr>
<tr>
<td>31</td>
<td>blue-grey shale</td>
</tr>
<tr>
<td>90</td>
<td>sand and rock</td>
</tr>
<tr>
<td>98</td>
<td>blue shale</td>
</tr>
<tr>
<td>128</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Law 1961 as amended)

Owner: Russell B. Spaulding
Address: Billings, Mont.

Driller: B & H Drilling
Address: Fishtail, Mont.

Date of Notice of appropriation of groundwater: 4/12/70

Date well started: 4/12/70

Date completed: 4/12/70

Type of well: Drilled

Equipment used: Chiswell drill

Water use: Domestic

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

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: Drilled

Length of Test: 3-hrs

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

Appropriation by Means of Well

State Water Commission Board

Amendment of Ordinance

Oct 10

1968

Received

Montana Water Rights Act, 11-11-407, 11-11-408

[Signature]

[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)

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Russell 5 Pikes</td>
<td>Billings, Mt.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>B &amp; H Drilling</td>
<td>7401 Mt.</td>
</tr>
</tbody>
</table>

**Date of Notice of appropriation of groundwater**

12/31/61

**Date well started**

1/1/62

**Date well completed**

1/6/62

**Type of well**

Drilled

**Equipment used**

Chimney drill

**Water use**

Domestic [ ]
Municipal [ ]
Industrial [ ]
Drainage [ ]
Other [ ]

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

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

860.607 feet

**Shut-in Pressure for flowing well**

25 psig

**Pumping Water Level**

93 feet

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

189 gal.

**How Tested**

Bailers

**Length of Test**

1/2 hr.

**Remarks**

Gravel packing, cementing, packers, type of shutoff.

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

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

Driller's License Number: 27

Driller's Signature: [Redacted]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Walter A. Hoard, of 5840 Childs Rd. Offroad, S.
   (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:

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

   1/16, 1/64, Sec. 5, T. 17 N., R. 14 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 ____________________________

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 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. Walter St. Hilaire
   (Name of Appropriator)
   5840ulce Feel Kendall Ave
   (Address)
   Hamilton
   (Town)
   County of
   State of

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   July 1, 1949

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

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
   None

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
   July 1, 1949

8. The depth of water table
   10 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
    2500 gal

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

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

Signature of Owner

Walter St. Hilaire

Date

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

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

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

This instrument was filed in my office this 26 day of Dec 1963
at 10:30 A.M.

Edison B. Failing
County Clerk & Recorder

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

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

1. Clint R. Tedford of Melville
   (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:

   SW 1/4 Sec. 6
   T19N R30E

   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: Livestock

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1953

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 gal per min.

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Approx 1 acre at well location

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: March 1953

   8. The depth of water table: 6 feet south of ground

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works or the withdrawal of groundwater: Spindler Tip, Drilled 125 feet deep Card

   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: Not available

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

   Signature of Owner: Clint R. Tedford
   Date: Dec 8, 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 School of Mines and Quadruplicate for the Approprietor.
STATE OF MONTANA,
County of Yellowstone,

This instrument was filed in my office this Dec 19 1933 at 2:30 p.m. by
Edwin B. Rodliff,

County Clerk & Recorder

By

Deputy

2:00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **Name of Appropria**tor: John Doe
   **Address:** 123 Main St.
   **Town:** Missoula
   **County:** Missoula
   **State:** Montana

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

3. Date of earliest beneficial use and how continuous: 1930

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 lands to which water has been applied: 10 acres, Big Sky Ranch

6. The means of withdrawing such water from the ground: Pumping from well

7. The date of commencement and completion of the construction of the well: 1928

8. The depth of water table: 100 ft

9. The general specifications of any other works for the withdrawal of groundwater: Drilled well, 150 ft

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

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

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 Appropria**tor.
STATE OF MONTANA
County of Lake

This instrument was filed in my office
dated DEC 18 1966 at 2:16 P.M.

County Clerk of Records

By: [Signature]

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

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

1. 
(Name of Appropriator) 

County of 

State of 

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the 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 21, Montana Session Laws, 1965)

1. Harold F. Downer
   (Name of Appropriate)
   County of Yellowstone
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1920

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 25 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: 20 acres

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: 1920

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 6" x 60'

10. The estimated amount of groundwater withdrawn each year: 150,000 gal.

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

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: Harold F. Downer
Date: 12/30/65

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

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

1. **Name of Appropior**: Clinton B. M. Finland of [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: [Details]

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

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

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: [Details]

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

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

8. The depth of water table: [Depth]

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

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

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

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 and Recorder; duplicate to the State Engineer; TriPLICATE to the School of Mines and Quadruplicate for the Approprior.
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. (Name of Appropriator) (Address) (Town)
   County of ___________________________ 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. 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 Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

- Signed -

STATE ENGINEER

DEC 17 1963

1. **Clinton B. W. Treadel** of **MCT**
   
   County of **Yellowstone** State of **Montana**

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

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

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 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 287, Montana Session Laws, 1961)

also known as Mary A. Rahberg

1. Mrs. A. J. Rahberg / of ... 2317 Rahberg Lane 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: Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been Drilled as a homestead well Improved in 1944 and since that time used continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 9 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 None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater completed prior to acquiring by A. J. Rahberg in 1944

8. The depth of water table 100 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 125 feet deep six inch well with four inch casing pumped by electric motor pump

10. The estimated amount of groundwater withdrawn each year 2 million gallons per year

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record too much information on this well It has a good supply of water and has never been pumped dry with continuously heavy pumping

Signature of Owner: A. J. Rahberg
Date: Dec 28, 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 School of Mines and Quadruplicate for the Approprietor.
Declaration of Vested Groundwater Rights
(Under Chapter 21, Montana Session Laws, 1965)

1. Harold E. Downer, of MOLT, 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, stockwater, irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1919. Continuous use since 1919.

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: 1919.

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: Harold E. Downer
Date: 12/30/65

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

Owner: Chan Zimmermann
Address: 11 Brock Billings
Driller: Tony Johnson
Address: 145 Lemon Ave

Date of Notice of Appropriation of Groundwater: May 1, 1963
Date Completed: May 7, 1963

Type of Well: Drilled
Equipment Used: Cable Tools

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

Top of Ground

Elev. above sea level: 2,000 ft

Sand and Rock:
- 52 ft to 77 ft, Gray and Black Clay
- 77 ft to 97 ft, Conglomerate
- 97 ft to 102 ft, Dakota Sand and Shale
- 102 ft to 130 ft, Gray and Black Clay
- 130 ft to 150 ft, Lime
- 150 ft to 170 ft, Sand and Rock

Water Level: 58 ft

Groundwater:
- 72 ft, Gray and Black Clay
- 72 to 90 ft, Dakota Sand and Shale
- 90 to 120 ft, Gray and Black Clay
- 120 to 130 ft, Lime
- 130 ft to 150 ft, Sand and Rock

Static Water Level for non-flowing Well: 52 feet

Shut-in Pressure for Flowing Well: 70 feet at 20 gal per minute

Pumping Water Level: 100 feet

Discharge in gal per min. of flowing well: 60 gal

How Tested: Balance
Length of Test: 6 hrs

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

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

Show exact depth of bottom: 140 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.

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.

4389
STATE OF MONTANA) \n(County of Yellowstone) \nThis instrument was filed in my office \nThis 1st day of MAY 1893 \nAt 11 o'clock A.M. \nCHRIS RUBICH, County Recorder \nBy \nDeputy
<table>
<thead>
<tr>
<th>Type of well:</th>
<th>Drilled (Dug, driven, bored, or drilled)</th>
<th>Equipment used:</th>
<th>Cable tools (Churn drill, rotary, other)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic □</td>
<td>Municipal □</td>
<td>Stock □</td>
</tr>
<tr>
<td></td>
<td>Industrial □</td>
<td>Drainage □</td>
<td>Other:</td>
</tr>
<tr>
<td>Casing:</td>
<td>20 ft. to 19 ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Black</td>
<td>ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td></td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>Ft. to Ft.</td>
<td>Ft. to Ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>feet.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>150 feet at</td>
<td>gal. per min.</td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Bailes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>2 hrs.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft - 1 ft</td>
<td>Top Soil</td>
</tr>
<tr>
<td>1 ft - 18 in.</td>
<td>Brown Sandy Chalk</td>
</tr>
<tr>
<td>18 in. - 110 ft</td>
<td>Gray Sandy Chalk</td>
</tr>
<tr>
<td>110 ft - 120 ft</td>
<td>Hard Clay Rock</td>
</tr>
<tr>
<td>120 ft - 260 ft</td>
<td>Grayland Rock</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: JAMES HEITZ
Address: 

Driller: JAMES HEITZ
Address: 

Date of Request for Appropriation of Groundwater: 8/10/55
Date Completed: 8/17/55

Type of well: Drilled
Equipment Used: Cable tool

Water Use: Municipal

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>Static Water Level (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>200</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 130 feet.

Shut-in Pressure for Flowing Well.

Pumping Water Level: 130 feet at 13 gal per minute.

Discharge in gal per min. of flowing well.

How Tested: Bell ing

Length of Test: 45 minutes

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

Driller's License Number

Driller's Signature

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** 
Address: 10 lbs, 6th st, place

**Driller:** 
Address: 1020 f, 3rd st, place

**Date of Notice of Appropriation of Groundwater:** May 15, 1966

**Date well started:** May 15, 1966

**Date Completed:** May 15, 1966

**Type of well:** Drilled 
**Equipment Used:** (Churn, drill, rotary or drilled)

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

**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>Strata Met With</th>
<th>Depth (Feet)</th>
<th>Thickness (Feet)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>61</td>
<td>50</td>
<td></td>
</tr>
<tr>
<td>Clay</td>
<td>71</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td>73</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td>71</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Rock</td>
<td>73</td>
<td>10</td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing Well:** 26 1/2 ft from surface

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

**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 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.

---

4192
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: __________________________
(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 Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 - 7</td>
<td>26 1/8</td>
<td>5 - 4</td>
<td>68</td>
<td>6 - 7 5/8</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 75 feet
Shut-in Pressure for Flowing Well: 25 feet
Pumping Water Level: 75 feet at 120 gal. per minute.
Discharge in gal. per min. of flowing well: 120 gal.

How Tested: ___ Length of Test: ___
Remarcs: (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: __________________________
STATE OF MONTANA,
(County of Polk), on
This instrument was filed in my office
the 22ND day of June, 1956,

By

{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. William E. Madden
   Name of Appropriator
   of Pulpulo Star Route, Billings
   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: Household use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since that time: May 1957, continuous usage since that time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Two 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: None used for irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: By electric pump - SEC. 23, T. 48 N., R. 24 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced and completed same during May, 1957.

8. The depth of water table: 98 feet.

9. So far as it may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater: Total depth 140 feet, Sinnab, casing, entire depth.

10. The estimated amount of groundwater withdrawn each year: 75,000 gallons.

11. The log of formations encountered in the drilling of each well if available: Water produced from the Telegraph Creek Formation, drilled through Telegraph Creek and into Colorado Slate about ten feet.

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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
**WATER WELL LOG**

**Owner:** Chuck Zimmerman  
**Address:** P.O. Box 193 Billings

**Driller:** Lee Anderson  
**Address:** 828 Broadway Billings

**Date Started:** Dec 6, 1942  
**Date Completed:** Dec 10, 1942

**Location:** Sec. 27 T. 11 N. R. 24 E., sec. 9  
**County:** Yellowstone

---

**Type of well**  
Dug (except driven, bored, or drilled)

**Equipment used**  
Churn drill

---

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

---

**Casing:**  
- 190 ft. to 600 ft.  
- Type: Steel  
- Size: 6 in.

---

**Perforated or Screened:**  
- 6 ft. to 8 ft.  
- Type:  
- Size:  
- Type:  
- Size:

---

**Static Water level, for non-flowing well:**  15 feet.

**Shut-in pressure, for flowing well:**  15 lb./sq. in. on: (date)

**Pumping water level, Surface test at:**  15 gal. per min. 9 min.

**How tested:**  9 Jan. (Pipe Cherry well gasoline motor.)

**Length of test:**  4 hr.

**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>1-18</td>
<td>Sandy Gravel</td>
</tr>
<tr>
<td>18-170</td>
<td>Limestone</td>
</tr>
<tr>
<td>170-190</td>
<td>Sandy Shale</td>
</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner**: Chas. Zimmerman  
**Address**: R.1 Box 197 Tollay  
**Driller**: Kounz & Johnson  
**Address**: 941 Cook Avenue  
**Date Started**: Dec 90-1956  
**Date Completed**: Dec 15-1956  
**Location**: Sec 14 T.11 N. R. 24 E 4 1/4 sec. 22 W 6 Sec. 23 N. 24 E

<table>
<thead>
<tr>
<th>Casing</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>124 ft to 24 ft</td>
<td>Steel</td>
<td>6 in</td>
</tr>
</tbody>
</table>

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

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

**Casing**: 124 ft to 24 ft  
**Type**: Steel  
**Size**: 6 in

**Perforated or Sweeched**: 6 ft to 24 ft  
**Type**:  
**Size**:

**Type of screen or perforations**: ...

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

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

**Pumping water level**: 24 ft from top, test at 2.0 gal per min.

**How tested**: 2 Drills, Pump, Diesel, Gasoline, Motor

**Length of test**: 6 hrs

**Remarks**: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>To 20 Sandy Soil</td>
</tr>
<tr>
<td>20</td>
<td>To 100 Limestone</td>
</tr>
<tr>
<td>100</td>
<td>To 124 Sandy Shale</td>
</tr>
</tbody>
</table>
### MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

#### WATER WELL LOG

**Owner:** Char. Zimmerman  
**Address:** 21 Boxle Bgs

**Driller:** Joslyn Johnson  
**Address:** 2145 Lynn Ave

**Date Started:** June 9 - 1961  
**Date Completed:** June 12 - 1961

**Location:** Sec. 23 T. 19 N. R. S. E., 4½ sec. 23-19-24E

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

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

**Casing:** 1 ½ ft. to 4 ½ ft.  
**Type:** Black Drift  
**Size:** 6”

**Casing:** 4 ft. to 4 ½ ft.  
**Type:** Drift Moto  
**Size:** 3”

**Casing:** to ft.  
**Type:**  
**Size:**

**Perforated or Screened:** Ft. 2 to ft. 79. Ft. 110 to ft.

**Type of screen or perforations:** Factory Sup.

**Static Water level, for non-flowing well:** 70 ft. from surface  
**feet.**

**Shut-In pressure, for flowing well:** b/sq. in. on:  
**(date)**

**Pumping water level:** 4 ft. feet at:  12 gal. per min.

**How tested:** AaAa

**Length of test:** 4 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>0 - 1 ft</td>
<td>Top Soil</td>
</tr>
<tr>
<td>1 - 43</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>43 - 62</td>
<td>Shale</td>
</tr>
<tr>
<td>62 - 78</td>
<td>Dark Gray Sand Rock</td>
</tr>
<tr>
<td>78 - 86</td>
<td>Dark Shale, Trace Water</td>
</tr>
<tr>
<td>86 - 103</td>
<td>Light Gray Sand Rock</td>
</tr>
<tr>
<td>103 - 110</td>
<td>Dark Siltty Shale, Cinnabar</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

as Mary A. Rehberg
(Name of Appropriator)

County of Yellowstone, State of Montana

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

1. Mrs. A. J. Rehberg, also known as 2317 Rehberg Lane Billings (Name of Appropriator) (Address) (Town)

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 Dec 28, 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 School of Mines and quadruplicate for the Appropriator.
STATE ENGINEER

Owner: William Stanley (Lease)
Address: West Billings

Driller: P & K Oil Drilling Co
Address: P.O. Box 592

Date Started: April 5th, 1959
Location: Sec. 27, T. 34 N., R. 104 W., Center of Sect.

Date Completed: April 7, 1959

Type of well: Drilled

Cable Rig

Drill Rig

Water use: Domestic □, Municipal □, Stock □, Irrigation □

Industrial □, Drainage □, Other □

Casing: 1 ft. to 40 ft. Type: 3 3/4 in. D.;

Casing: 40 ft. to 80 ft. Type: 3 3/4 in. D.

Perforated or screened: From ft. to ft. to ft. to ft.

Type of screen or perforations: Slashed with Cutting Torch, 35 to 60 ft

Static water level, for monitoring wells: 35 ft. feet.

Shut-off pressure for flowing well: ___________ lb. per sq. in. (date)

Pumping water level: 35 ft. feet at 6 gal. per min.

How tested: Pail test

Length of test: 4 hrs.

Remarks: (Travel picking, cementing, packers, type of shut-off, depth of shut-off)

Casing driven in Glacial Drift, to 40 ft

G to 5 ft. clay soil, 5 ft. to 30 ft. siltstone sandstone

35 ft. to 40 ft. glacial drift
<table>
<thead>
<tr>
<th>Owner</th>
<th>Levis - Kinney</th>
<th>Address</th>
<th>10-Mt west on Grant Ave. Billings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>F &amp; K Oil Drig Co.</td>
<td>Address</td>
<td>P.O. Box 592 Billings</td>
</tr>
<tr>
<td>Date Started</td>
<td>June 10 61</td>
<td>Date Completed</td>
<td>July 7th 61</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 31 T.I.N.R. 24 E 24-3/4 sec. G V</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled (Dug, driven, bored, or drilled)</th>
<th>Equipment used</th>
<th>Cable Rig (Churn drill, rotary, other)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use</td>
<td>Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ]</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Industrial [X] Drainage [ ] Other: [ ]</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>ft. to ft. 40 ft - 40 ft - 3/4 D Steel Casing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>Ft. 36 to ft. 40 ft - 40 ft to ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Slashed with Cutting Torch</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>in./sq. in. on: (date)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>8 ft. feet at 5 th. 6 gal. gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Pump</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>One Week</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Casing Driven in Glacial Deposit to Migratory Water Zone
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Fred W. Henderson
Address: Rte. No. 1

Date of Notice of Appropriation of Groundwater: Feb. 19th, 1965

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

Water Use: Domestic ☑ Municipal ☐ Other ☐ Industrial ☐ Drainage ☐ Stock ☐ 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>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Well)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 inch Medium Weight</td>
<td>8 in.</td>
<td>21 ft</td>
<td></td>
<td>21 ft Perforated at 5 ft intervals</td>
</tr>
<tr>
<td>6 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 14 ft

Shut-in Pressure for flowing Well

Pumping Water Level: 25 ft feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Balancer
Length of Test: 2 hrs

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

Driller's License Number:
Driller's Signature: Karl W. Kinney

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA
County of Yellowstone
This instrument was filed in my office
this 20 SEP 1963
at 2:38 o'clock P.M.
EMRIS J. BURCH, County Recorder
DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 235, 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: Drilled
Equipment Used: Drill
Location drilled: [Location]

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

How Tested: [Test]
Length of Test: [Length]

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)

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, 4961)

Ralph Blakeman Baker, of 1404 Box 37 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:

1. Name of Appropriator

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 continuous the use has been

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 & Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Con duplicate for the appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws 1961)

RALPH BLANKENBAKER, or, J.J. BOX 31 BOXING
(Name of Appropriator)
State of MONTANA
(Town)

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

1. The beneficial use or which the claim is based

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

3. The amount of groundwater claimed (in inches or gallons per minute)

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

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

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

7. The depth of water table

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

9. The estimated amount of groundwater withdrawn each year

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

12. 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 & Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the appropriator.
# WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Grand Ave Trading Post</th>
<th>Address</th>
<th>R F I</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>P M Gill Drig Co</td>
<td>Address</td>
<td>P O Box 592</td>
</tr>
<tr>
<td>Date Started</td>
<td>July 18 61</td>
<td>Date Completed</td>
<td>June 19 61</td>
</tr>
<tr>
<td>Will Jet Casing</td>
<td>Open Well</td>
<td>Location: Sec 36 T 1 N R 24 S W 7</td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
<td>Equipment used</td>
<td>Cable Rig</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing: ft to</td>
<td>ft</td>
<td>ft</td>
<td>ft</td>
</tr>
<tr>
<td>Type:</td>
<td></td>
<td>Size</td>
<td>Size</td>
</tr>
<tr>
<td>Perforated or Screened: Ft to Ft foot. Ft to Ft foot.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well: 12 ft feet.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well: lb/sq. in. on: (date)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level: 12 ft feet at 5 to 6 gal. per min.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Water level: 12 ft feet at 5 to 6 gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>2 hrs</td>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>

Drilled to 35 ft to gravel Migratory water zone
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: Lavings Kinney

Address: 68th West & Grand

Billings, Mont.

Date well started: June 6, 1973

GW 1: 9:00 P.M.

completed: Sept. 8, 1976

Type of well: Drilled

Equipment used: Cable Rig

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

Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

*Describe:

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

ESTIMATED ANNUAL WITHDRAWAL: 75,000 gal.

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Weight of Cutting</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>16&quot;</td>
<td>0</td>
<td>15</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14&quot;</td>
<td>40</td>
<td>None</td>
<td>Gravel</td>
<td></td>
</tr>
<tr>
<td>10&quot;</td>
<td>40</td>
<td>62</td>
<td>open</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 25 ft.
Pumping water level: 20 ft.
150 gallons per minute, measured 60 minutes after pumping began.*

*Measured from ground level.

Well developed by:

Power: Electric Pump: 7 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: Feil A. Wilson

Driller’s Address: F&K Drilling Co.

Floor 502 Billings, Mont. LICENSE NO. 48
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

*Developed after January 1, 1962 (Under Chapter 237 Montana Session Laws, 1961, as amended)*

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

**Owner:** Lavina Kinney  
**Address:** 48th St West Grand  
**Billings Mont**  
**File:** 925860

**Date well started:** June 10, 1958  
**GW 1 4:10 P.M.**

**Completed:** Same

**Type of Well:** Drilled  
**Equipment used:** Cable Tools

**Water Use:** Domestic [ ]  
Municipal [ ]  
Stock [ ]  
Irrigation [ ]  
Industrial [ ]  
Drainage [ ]  
Other [ ]  
Garden/Lawn [ ]

**Describe Water in Alkaline 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:** 50,000 gallons

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cable</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Depth (Feet)</th>
<th>Diameter (In.)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot; I2&quot; I6&quot;</td>
<td>0</td>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 40 ft  
**Pumping water level:** 60 ft  
**at:** 60 gallons per minute, measured minutes after pumping began.

**Measured from ground level.**

**Well developed by:**

**Pump:** Power HP  
**Remarks:** Gravel packing, cementing, packer, type of shutoff

**Indicate Location of Well and Place of Use, if Possible:**

**Each Small Square Represents 40 Acres.**

**Driller's Address:** P O Box 592 Billings Mont

**LICENSE NO.: 46**

**County:** Yellowstone

**RECEIVED**

---

**Driller's Log**

- Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.
STATE OF 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: [Name]
Address: [Address]

Date well completed: [Date]

Type of well: [Type]

Equipment used: [Equipment]

Water Use: [Use]

Describe: [Description]

Estimated Annual Withdrawal:

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Location of Cutting</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>same depth 0</td>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>8&quot;</td>
<td>same depth 0</td>
<td>0</td>
<td>40</td>
</tr>
</tbody>
</table>

Static water level: [Level]

Pump to water level: [Level]

Power: [Power]

Remarks: [Remarks]

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

Driller’s Signature: [Signature]

Driller’s Address: [Address]

License No: [License]

Show exact depth of bottom: [Depth]