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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 239, Montana Session Laws, 1964)

1. Lewis J. Schroeder - of - Billings -
   (Name of Appropriator)
   (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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   (1918) - continuous use

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
   - not for irrigation

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

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

8. The depth of water table

9. To the extent 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 The estimated amount of groundwater withdrawn each year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 records

Signature of Owner: Lewis J. Schroeder

Three copies to be filed by the owner with the County Clerk 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.

18489
DECLARATION of VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1953)

1. Lewis J. Schroeder, of Route 3, Billings
(Name of Appropriator)

County of Yellowstone, State of Montana
(Address)

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

- watering stock

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

- 12/13

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

- water driven pump

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 Quadruplicate for the appropriator.
DECLARATION of VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

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

1. Lewis J. Schroeder, of State 2, Billings (Address)

<table>
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<th>Name of Appropriate</th>
<th>Address of Use</th>
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<td>Lewis J. Schroeder</td>
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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
   - 1947

4. The amount of groundwater claimed (in minor's inches or gallons per minute)
   - 10

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   - 1952

8. The depth of water table
   - 15 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
   - Drilled with six-inch casing, 25 ft. deep

10. The estimated amount of groundwater withdrawn each year
    - 500,000

11. The log of formations encountered in the drilling of each well if available
    - Soil, gravel

12. 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 records
    - Unknown

Signature of Owner: Lewis J. Schroeder
Date: January 21, 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 & Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 28th 1923
Owner: Clyde R. Standish
Address: 313 3rd St. W.

Contractor (if any) None

Address of Contractor

Date Started... Date Completed... Same

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes": Include depth to water when applicable. Water on Surface of ground + Seepage Causes

Sub-Irr.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Spring is located in 2nd use for household & future use will include fish pond.

Signature of Owner: Clyde R. Standish
Date: June 29, 1923

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Yellowstone
This instrument was filed in my office this ______ day of______, 1973

MERRILL M. KLOC, CLERK
County Clerk & Recorder

Deputy
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 6-28-23
Owner: Clyde R. Stanko
Address: 313 3rd St W.
Contractor (if any) None
Address of Contractor
Date Started: 6-28-23 Date Completed: 7-28-23
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.
Water on Surface of Creek Bed.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent, estimate approximate lengths of periods of use: Per Times.
Apprx. 1 gal per Min. & Ste.:

Signature of Owner: Clyde R. Stanko
Date: June 28, 1973

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
O'DONNELL LIVESTOCK RANCH CORP
BILLINGS MT

STATE OF MONTANA
COUNTY OF YELLOWSTONE

WATER RIGHTS
O'RODRIGUEZ

Rte 42 Billings (Town)

County of Yellowstone State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1903, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Approx. 1950-Continuing Use

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Don't Know

5. If used for irrigation, give the area and description of the lands to which the water has been applied and name of the owner thereof: S.W. 1/4 Sec. 9 T.11N. R.27E

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

7. The date of commencement and completion of the construction of the well, well, or other works for withdrawal of groundwater: Don't Know

8. The depth of water table: 90 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, 500 feet, 6 inch casing

10. The estimated amount of groundwater withdrawn each year: Don't Know

11. The log of formations encountered in the drilling of each well if available: Driller - Clyde Sanders of Billings may have logs

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:

Submitted by R. A. O'Donnell by R. A. O'Donnell, Agent

Signature of Owner.

Date 12-31-63

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

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

Original to the County Clerk and Recorder: Duplicate to the State Engineer; Tripliplate to the Montana Bureau of Mines and Geology; and Quadriplate for the Appropiiator.

18264
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

County of Yellowstone
State of Montana

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

1. **(Mary E. O'Donnell)** Mrs. R. A. O'Donnell of Billings
   
   **(Name of Appropriator)**
   
   **(Address)**
   
   **(Town)**

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   
   **Approx. 1950 & continuous use**

4. The amount of groundwater claimed: (in miner's inches or gallons per minute)
   
   **Don't know**

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.
   
   **Indicate point of appropriation**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   
   **Don't know**

8. The depth of water table
   
   **90 feet**

9. So far as 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, 500 feet, 6 inch casing**

10. The estimated amount of groundwater withdrawn each year
    
    **Don't know**

11. The log of formations encountered in the drilling of each well if available.
    
    **Driller - Clyde Sand of Billings may have logs**

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.
    
    **R. A. O'Donnell by R. A. O'Donnell, Agent**
    
    **Signature of Owner**
    
    **Date 12-31-63**

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
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 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: Joe Herren
Address: BOX 49 BRANDT MT 91326
Date: August 1, 1972

Date well started: 8-10-71
Completed: 8-12-71

Type of well: Drilled
Equipment used: Rotary

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

*Describe: 20010

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).

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**ESTIMATED ANNUAL WITHDRAWAL**

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<th>Size and Weight of Cage</th>
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<th>To (Feet)</th>
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**Static water level:** 12 ft.

**Pumping water level:** 16 ft.

at 3 gallons per minute, measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by: Pump
for: 3 hours.

Power: 30 HP. Pump: 30 HP.

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

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

Driller’s Signature: Joe Herren
Driller’s Address: 3143 Prairie Drive

**Show exact depth of bottom**

50
**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**

Bob O'Donnell

**Address**

Billings Montana

2401 2nd Ave. Boz.

**Date well started**

Dec 1 1970

**Date well completed**

May 29 1970

**Type of well**

Drilled

**Equipment used**

Drill

**Water Use**

Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ * Garden/Lawn □

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

**Top of Ground**

(See above or level)

<table>
<thead>
<tr>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>8</td>
<td>85</td>
</tr>
<tr>
<td>85</td>
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<td>105</td>
<td>110</td>
</tr>
<tr>
<td>110</td>
<td>120</td>
</tr>
<tr>
<td>120</td>
<td>150</td>
</tr>
</tbody>
</table>

**Estimated Annual Withdrawal:**

1,001,200 gal.

**Estimate of Weight**

10 lb 8 lb 32 lb

**Primary Sample**

18 dr 18 dr

**Perforations**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Kinder</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>20</td>
<td>1/4 in</td>
<td>45</td>
</tr>
<tr>
<td>20</td>
<td>80</td>
<td></td>
<td>150</td>
</tr>
<tr>
<td>80</td>
<td>120</td>
<td></td>
<td>150</td>
</tr>
</tbody>
</table>

**Static water level**

43 ft.

**Pumping water level**

45 ft.

- *Measured from ground level*

- *Well developed by Drilled for 4 hours*

- *Power Pump* HP

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

**Show exact depth of bottom**

**Signature:**

Driller's Signature

Driller's Address: Box 116 Billings Montana

**License No:**

199

**Notice:**

Indicate location of well and place of use, if possible. Each small square represents 40 acres.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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

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

Owner: JOHN HERMAN
Address: 1637 DICKIE RD, BILLINGS, MONT.
Date well started: 11-5-1969
Type of well: DRILLED
Equipment used: CABLE
Water Use: Domestic

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Site of</th>
<th>Size (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10'</td>
<td>10</td>
<td>0</td>
<td>40</td>
<td>slit 4 in.</td>
</tr>
</tbody>
</table>

Static water level: 28 ft.
Pumping water level: 10 ft.
at: 30 gallons per minute
measured: minutes after pumping began.

*Measured from ground level.
Well developed by: BAILEY
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: EVAN LANDER
Driller's Address: 1552 DICKIE RD, BILLINGS, MONT. 59101

Show exact depth of bottom
4871
STATE OF MONTANA
ADMINISTRATION OF GROUNDWATER: C.D.
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1962)

STATE ENGINEER

1. Name of Appropriator

County of __________ 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 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. Mean depth of water table

8. The date or approximate date of earliest beneficial use

9. 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

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

Answer all questions. If not applicable, so state, otherwise the form will not 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.

Date: ______, 1964

Signature of Owner: __________________________

18523
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1963)

File No. .................................................. Page No. ......................

Name of Appropriate .................................. Address ................................

State of Montana ........................................ County ................................

I hereby claim and 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 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 the extent 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 records: ........................................

Signature of Owner: ........................................ Date: ...................... 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 / 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 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.

Emerald, John and William Daugherty
Owner
Address 631 Avenue C
Billings, Montana

Date well started Prior to 1959
Date well completed Prior to 1959

Type of well Drilled
Drilled, bored or drilled

Equipment used Churn drill

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

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

Estimated Annual Withdrawal 200,000 gallons

<table>
<thead>
<tr>
<th>Size of Defined 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&quot;</td>
<td>6&quot; ground 65'</td>
<td>3/8&quot; hole</td>
<td>50'</td>
<td>65'</td>
</tr>
</tbody>
</table>

Static water level 40 ft.
Pumping water level 50 ft.
at 10 gallons per minute, measured 10 minutes after pumping began.
*Measured from ground level.
Well developed by N/A
for 1 hour.

Power Electric pump 1/2 HP

Remarks: (Gravel packing, cementing, packers type of stuffing) Gravel, Float switch

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

Driller's Signature
Driller's Address 631 Avenue C
Billings, Montana
LICENSE NO. None

Top of Ground (Elev. above sea level)

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

Show exact depth of bottom 65'
STATE OF MONTANA, \\
County of Yellowstone.\]

EMERALD DAUGHERTY \]
having first been duly sworn, deposes and\]
says that he is of lawful age and is one of the appropriators\]

and claimants of the order and water right mentioned in the foregoing notice of\]
completion of groundwater appropriation by means of well and the person whose name\]

subscribed thereto, as the appropriator and claimant,\]

that he knows the contents of said foregoing notice and that the matters and things\]

therein stated are true.

[Signature]

Subscribed and sworn to before me, this 22nd day of June, 1973.

David L. Johnson

Notary Public for the State of Montana.

Residing at Billings, Montana.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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

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

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

Owner: John and William Daugherty
Address: 631 Avenue C
Billings, Montana

Date well started: Prior to 1959
Date well completed: Prior to 1959

Type of well: Drilled
Equipment used: Churn drill

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

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

ESTIMATED ANNUAL WITHDRAWAL: 200,000 gallons

[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>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; ground 65'</td>
<td>3/8&quot; hole</td>
<td>50'</td>
<td>65'</td>
</tr>
</tbody>
</table>

Static water level: 40 ft.
Pumping water level: 70 ft.

*Measured from ground level.

Well developed by: N/A for hours.

Power/Equipment: 1 HP

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

Gravel, float switch

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

Driller's Signature: Unknown
Driller's Address: 631 Avenue C

Billings, Montana

LICENSE NO: None

Top of Ground (Elev. above sea level)

Unknown

Show exact depth of bottom

WELL #: 651

5/3/43
STATE OF MONTANA,
County of Yellowstone,

EMERALD DAUGHERTY, having first been duly sworn, deposes and
says that he is of lawful age and is one of the appropriators
and claimants of the order and water right mentioned in the foregoing notice of
completion of groundwater appropriation by means of well and the person(s) whose name
was subscribed thereto, as the appropriator and claimant,

that he knows the contents of said foregoing notice and that the matters and things
therein stated are true.

Subscribed and sworn to before me, this 22nd day of June, 1973.

David L. Johnson
Notary Public for the State of Montana.
Residing at Billings, Montana
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.

Emerald, John and
William Daugherty
Owner

Address 631 Avenue C
Billings, Montana

Date well started August 1965
completed August 1965

Type of well Dug
(Dug, drilled, bored or drill)

Equipment used Backhoe
(Hand drill, auger 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 date (i.e. Lot, Block
and Addition).

ESTIMATED ANNUAL WITHDRAWAL 1,500,000 gallons

Perforations

<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</th>
<th>Size</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' 2' gauge</td>
<td>14</td>
<td>11</td>
<td></td>
<td></td>
<td>1/2''</td>
<td>8</td>
<td>11</td>
</tr>
</tbody>
</table>

Static water level at 6 ft.
Pumping water level at 30 gallons per minute, measured 10 minutes after pumping began.

Well developed by N/A
for N/A hours.

PowerElectric Pump HP

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

Gravel, float switch

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

Driller's Signature

Driller's Address 631 Avenue C
Billings, Montana

LICENSE NO.: None

Billings, Montana LICENSE NO.: None

WELL #6

53.9/6
STATE OF MONTANA,
County of Yellowstone

EMERALD DAUGHERTY
Having first been duly sworn, deposes and says that he is of lawful age and is one of the appropriators and claimants of the water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the persons whose names are subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and the matters and things therein stated are true.

Subscribed and sworn to before me, this 22nd day of June, 1973.

David L. Johnson
Notary Public for the State of Montana:
Residing at Billings, Montana.

STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

Notice of Completion of Groundwater Appropriation  
Without Well  
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Prior to 1959  
Emerald, John E.  
Owner: William, D.  
Address: 631 Avenue E., Billings

Contractor (if any): None

Address of Contractor: N/A

Date Started: Before 1959  
Date Completed: Before 1959

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Used for stock water, throughout calendar year; flow approximately 300 gallons per minute. Annual use: approximately 50,000 gallons annually.

Signature of Owner: William, D.  
Date: June 22, 1973

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

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

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

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

937368  
June 22, 1973  
2:52 P.M.
STATE OF MONTANA

County of Yellowstone

Emerald D. Vaughn hereby having first been duly sworn, deposes and says that he is of lawful age and is one of the appropriators and claimants of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Emerald D. Vaughn

Subscribed and sworn to before me, this 27th day of June, 1973

David L. Johnson
Notary Public for the State of Montana.

Residing at Billings, Montana

My Commission expires July 1, 1974
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Prior to 1959
Owner: John E.
Address: 631 Avenue C...
Contractor (if any): None
Address of Contractor: N/A
Date Started: Prior to 57
Date Completed: Prior to 59

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

Used for stock water, throughout calendar year. Flow approximately 300 gallons per minute. It is approximately 50,000 gal. annually.

Signature of Owner:

Date: June 27, 1973

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

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

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

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

County of: Yellowstone

having first been duly sworn, deposes and says that he is of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 23rd day of June, 1973

David C. Salson
Notary Public for the State of Montana
Resident at Belgrade, Montana
My Commission expires July 2, 1974
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.

Emerald, John and
William Daugherty
Owner

Address 631 Avenue C
Billings, Montana

Date well started August 1965
completed August 1965

Type of Well Dug
(Dug, driven, bored or drilled)

Equipment used Backhoe
(Chara 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).

ESTIMATED ANNUAL WITHDRAWAL 1,500,000 gallons

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Kind of Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' x 2' 14 gauge</td>
<td>11'</td>
<td></td>
<td></td>
<td>8' x 11'</td>
</tr>
</tbody>
</table>

Static water level 4 ft.
Pumping water level 8 ft.
at 30 gallons per minute,
measured 10 minutes after pumping began.

*Measured from ground level.
Well developed by N/A
for N/A hours.
Power Electric Pump 1 HP
Remarks: (Gravel packing, cementing,
packers, type of shutoff)
Gravel, float, switch

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

Driller's Signature

Driller's Address 631 Avenue C
Billings, Montana

LICENSE NO. None

11' Show exact depth of bottom

WELL H-8

53908.
STATE OF MONTANA.

County of Yellowstone

EMERALD DAUGHERTY having first been duly sworn, deposes and says
that he is of lawful age and is one of the appropriators and claimants of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 22nd day of June, 1973.

[Signature]

Notary Public for the State of Montana.

Residing at Billings, Montana.

**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.

Emerald, John and William Daugherty
Owner

Address
631 Avenue C
Billings, Montana

Date well started: August 1965
Completed: August 1965

Type of well: Dug
Equipment used: Backhoe

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:** 1,500,000 gallons

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size and Weight of Chisel</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>11'</td>
<td>8'</td>
<td>11'</td>
</tr>
<tr>
<td>2' x 2' ground</td>
<td>14 gauge</td>
<td>11'</td>
<td>8'</td>
<td>11'</td>
</tr>
</tbody>
</table>

Static water level at 30 gallons per minute, measured 10 minutes after pumping began.

Power Electric Pump: 1/2 HP
Gravel, Float Switch

Remarks: Gravel packing cementing packers, type of shutoff.

**Top of Ground**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

**State of Montana**
Administrator of Groundwater Code
MONTANA WATER RESOURCES BOARD

**COUNTY CLERK AND RECORDER**

**Driller’s Address:** 631 Avenue C
Billings, Montana

**WELL NO. 117**

**LICENSE NO:** None

53909
STATE OF MONTANA,
{ss.
County of: Yellowstone.

EMERALD DAUGHERTY

having first been duly sworn, deposes that he is of lawful age and is one of the appropriators and claimants of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the persons whose names are subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 22nd day of June, 1873.

David L. Johnson
Notary Public for the State of Montana.
Residing at Billings, Montana
My Commission expires July 2, 1874.
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 owner with County Clerk and Recorder in county where well is located. Last copy to be retained by driller.

Owner: Maria C. Nood
Address: 1201 South Main St.

Date well started: 1972
Completed: 1972

Type of well: Drill
Equipment used: Backhoe

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

Describe: 

ESTIMATED ANNUAL WITHDRAWAL: 7,000 G.P.M.

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

Driller's Signature
Driller's Address
LICENSE NO.

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
MONTANA DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

DRILLER'S LOG
Include the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth of which water is found and to which water rises in well.

Top of Ground (from above sea level):

<table>
<thead>
<tr>
<th>State of Strata</th>
<th>Size of Strata</th>
<th>Depth</th>
<th>Size and Weight of Column</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>12&quot;</td>
<td>0</td>
<td>12</td>
<td>Slotted</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Power Source: Pump Submersible

Remarks: (Gravel packing, cementing, packers, type of shutoff)
STATE OF MONTANA
County of Yellowstone
This instrument executed in my office
this 28th day of June, 1973
at 4:25 o'clock P.M.
MERRIL E. BLUNT
County Clerk, Recorder
By: Deputy
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

1. Reinhold Kendl, of Route #2, 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

   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 Electric
      water systems located near

   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 Reinhold Kendl
   Date Dec. 5, 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 OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Reinhold Kemble, of Route 2, Billing, Montana
   (Address)
   Name of Appropnator
   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
   and livestock

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1941, study well

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 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: Electric water system

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1941

8. The depth of water table: 2 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: 3.5 ft, deep

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: Not known

12. Such other information of a similar nature as may be useful in carrying out the policy of the act, including reference to book and page of any county record: We bought this farm in 1951 from W. S. Ehmann

Signature of Owner: Reinhold Kemble
Date: Dec. 5, 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 Appropnator.
Notice of Completion of Groundwater Appropriation by Means of Well

Date well started: Jan. 9, 1967, Date Completed: Jan. 14, 1967

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

Well Drilled To A Depth Of 21 ft.

<table>
<thead>
<tr>
<th>3rd Strata Level Reading</th>
<th>20 ft. to 26 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>2nd Strata Level Reading</td>
<td>2 ft. to 20 ft.</td>
</tr>
<tr>
<td>1st Strata Level Reading</td>
<td>0 ft. to 8 ft.</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well feet.

Shut-in Pressure for Flowing Well...

Pumping Water Level... feet at... 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 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.
STATE OF MONTANA,

County of Tulelake.

This instrument was filed in the office of

Clk & Recorder

Edith B. Redding

County Clerk & Recorder

Register

Register
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: Emerald, John and William Daugherty
Address: 631 Avenue C
Billings, Montana

Date well started: May, 1964
Date well completed: May, 1964

Type of well: Dug
Equipment used: Backhoe

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 of other data (i.e. Lot, Block
and Addition).

ESTIMATED ANNUAL WITHDRAWAL: 1,500,000 gallons

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Rise and Weight of Crane</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'</td>
<td>2' ground</td>
<td>11'</td>
<td>11'</td>
</tr>
<tr>
<td>14 gauge</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Rod Size</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3/4&quot; hole</td>
<td>8'</td>
<td>11'</td>
</tr>
</tbody>
</table>

Static water level: 4 ft.
Pumping water level: 8 ft.

at 30 gallons per minute,
measured 10 minutes after pumping began.

*Measured from ground level.

Well developed by: N/A
for: N/A hours.
Power: Electric Pump: 1/4 HP
Remarks: (Gravel packing, cementing packers, type of shutoff)
Gravel: Float switch

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

Driller's Signature: Emerald Daugherty
Driller's Address: 631 Avenue C

Billings, Montana
LICENSE NO. None

Well # 3

53123
EMERALD DAUGHERTY having first been duly sworn, depose and say that he is of lawful age and is one of the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name subscribed thereto, as the appropriator and claimant, that he know the contents of said foregoing notice and that the matters and things therein stated are true.

[Signature]

Subscribed and sworn to before me, this 22nd day of June, 1973.

Notary Public for the State of Montana.

Residing at Billings, Montana.

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.

Emard, John and William Daugherty

Owner

Address 631 Avenue C

Billings, Montana

Date well started May, 1964

completed May, 1964

Type of well Dug

Equipment used Backhoe

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 1,500,000 gallons

<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>2'</td>
<td>2'</td>
<td>14 gauge</td>
<td>11'</td>
<td>1/4 hole</td>
</tr>
</tbody>
</table>

Static water level 4 ft.

Pumping water level 8 ft.

at 30 gallons per minute, measured 10 minutes after pumping began.

*Measured from ground level.

Well developed by N/A for __________ hours.

Power Electric pump 1/4 HP

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

Gravel, Float switch

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

Each small square represents 40 acres.

Driller's Signature

Driller's Address 631 Avenue C

Billings, Montana LICENSE NO. None
STATE OF MONTANA,
County of Yellowstone

EMERALD DAUGHERTY having first been duly sworn, depose and say that he is of lawful age and is one of the appropriators and claimants of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the persons whose names subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

EMERALD DAUGHERTY

Subscribed and sworn to before me, this 22nd day of June, 1973.

David L. Johnson
Notary Public for the State of Montana
Residing at Billings, Montana
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Emerald, John and William Daugherty  
Address: 631 Avenue C  
Billings, Montana  
Date well started: May, 1964  
Date well completed: May, 1964

Type of well: Dug

Equipment used: Backhoe

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

*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: 1,500,000 gallons

<table>
<thead>
<tr>
<th>Size of Divided Line</th>
<th>Size and Weight of Cable</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>2'</td>
<td>14 gauge</td>
<td>11'</td>
<td></td>
<td>¾' hole</td>
</tr>
<tr>
<td>¾' hole</td>
<td>11'</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 4 ft.  
Pumping water level: 8 ft.  
40 gallons per minute measured 10 minutes after pumping began.

*Measured from ground level.

Well developed by: N/A

Power Electric Pump: 1/4 HP

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

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

Driller's Signature: E. Minn. Schofield

Driller's Address: 631 Avenue C  
Billings, Montana  
LICENSE NO: None

Top of Ground (Elev. above sea level)  

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1 all gravel</td>
</tr>
<tr>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>4</td>
<td>5 water found and height</td>
</tr>
<tr>
<td>6</td>
<td>7</td>
</tr>
<tr>
<td>8</td>
<td>9</td>
</tr>
<tr>
<td>10</td>
<td>11</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

53984

Yellowstone
County: Yellowstone
STATE OF MONTANA,  
(County of) Yellowstone, ss.

EMERALD DAUGHERTY, having first been duly sworn, deposes and says that he is of lawful age and is one of the appropriators and claimants of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

\[Signature\]

Subscribed and sworn to before me, this 22nd day of June, 1973.

David L. Johnson
Notary Public for the State of Montana.

Residing at Billings, Montana.

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

(Revised 4-16-66)

YELLOWSTONE COUNTY

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.

Owner
Emerald, John and William Daugherty

Address
631 Avenue C
Billings, Montana

Date well started
May, 1964

Date well completed
May, 1964

Type of well
Dug

Equipment used
Backhoe

Water Use
Domestic □ Municipal □ Stock WS 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

| WELL DEVELOPED BY | N/A |
| Power Electric Pump | 1/4 HP |

Static water level
Pumping water level

at

Broad water level
Pumping water level

at

60 gallons per minute, measured 10 minutes after pumping began.

Measured from ground level.

Well developed by
Power Electric Pump 1/4 HP

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

Gravel, float switch

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

Driller’s Signature

Driller’s Address
631 Avenue C
Billings, Montana

LICENSE NO.
None

11' Show exact depth of bottom

From
(Feet)
To
(Feet)

Top of Ground
(Feet above sea level)

| 0 | 1 | all gravel |
| 2 | 2 | |
| 4 | 5 | water found and height |
| 6 | 7 | |
| 8 | 8 | |
| 9 | 9 | |
| 10 | 10 | |

Show depth at which water is found and height to which water rises in well.
STATE OF MONTANA,
County of Yellowstone

EMERALD DAUHERTY, having first been duly sworn, deposes and says that he is of lawful age and is one of the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

[Signature]

Subscribed and sworn to before me, this 22nd day of June, 1973.

[Signature]
David L. Johnson
Notary Public for the State of Montana
Residing at Billings, Montana
**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.

**Emerald, John and William Daugherty**

Owner: 631 Avenue C

Billings, Montana

**Date well started:** May, 1964

**Completion of well:** May, 1964

**Type of well:** Dug

**Equipment used:** Backhoe

**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 of other water (i.e. lot, block and addition).**

**ESTIMATED ANNUAL WITHDRAWAL:** 1,500,000 gallons

<table>
<thead>
<tr>
<th>Size of Sieve</th>
<th>Sieve and Weight of Gravel</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' 2' ground 11' 1/4 gauge</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Weight of Gravel</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2' 2' ground 11' 1/4 gauge</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Size</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4'</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Top of Ground:**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>all gravel</td>
</tr>
<tr>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>8</td>
</tr>
<tr>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>4</td>
<td>12</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:** 631 Avenue C Billings, Montana

**LICENSE NO.:** None

**Note:** Show exact depth of bottom

539 ft

well 11
STATE OF MONTANA,
County of Yellowstone

EMERALD DAUGHERTY, having first been duly sworn, deposes and says that he is of lawful age and is one of the appropriators and claimants of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation by means of well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

EMERALD DAUGHERTY

Subscribed and sworn to before me, this 22nd day of June, 1973.

DwAOr JOHNSON
Notary Public for the State of Montana.
Residing at Billings, Montana
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Richard Pogatchic,
   (Name of Appropriator)
   of 332 Lake Iris Dr, 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: Watering Livestock - Domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   Well was there when property acquired

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

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

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:
   Well was there when property acquired

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:
   100 ft deep, 70 ft pipe, 8 in pipe

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

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 to my knowledge.

Signature of Owner: Richard Pogatchic
Date: 12-30-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.
Form No. 18

T. 1N R. 22E

Butte, Montana

MONTANA BUREAU OF MINES AND GEOLOGY

Water Well Log

Owner

Driller

Address

Address

Date Started

Date Completed

Location: Sec. 19 T. 1N R. 22E 1/4 sec. SW 1/4

Type of well

Equipment used

(Dug, drawn, or drilled)

Owner

Driller

Address

Address

Date Started

Date Completed

Location: Sec. 19 T. 1N R. 22E 1/4 sec. SW 1/4

Type of well

Equipment used

(Dug, drawn, or drilled)

Water use:

Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other

Casing:  50 ft. to ______ ft.  Type ______ Size ______

Casing:  ______ ft. to ______ ft.  Type ______ Size ______

Casing:  ______ ft. to ______ ft.  Type ______ Size ______

Perforated or screened:  ______ ft. to ______ ft.  ______ ft. to ______ ft.

Type of screen or perforations

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

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

Pumping water level ______ feet at ______ gal. per min. ______

How tested:  ______

Length of test ______

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

(over)
<table>
<thead>
<tr>
<th>Depth</th>
<th>Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>12</td>
<td>Sandy Sand</td>
</tr>
<tr>
<td>12</td>
<td>36</td>
<td>Biot</td>
</tr>
<tr>
<td>36</td>
<td>40</td>
<td>Hard Lime</td>
</tr>
<tr>
<td>40</td>
<td>50</td>
<td>Sand</td>
</tr>
</tbody>
</table>