AVON, MONT.
Depot Well AFE 263-57
Drilled by E.A. Bodin NPRy. Co.
6" Well 51' deep
Work begun Nov. 11, 1957 Completed Nov. 21, 1957

Water Analysis
Calcium Bicarbonate 2.9 gpg
Calcium Sulfate 1.6 "
Magnesium Sulfate 2.6 "
Sodium Chloride 0.6 "
pH 7.4
Iron 0.0 ppm
Total Dissolved Solids 8.5 gpg.

Vertical Scale: 1" = 10'

Location Plan
Scale: 1" = 100'
## WATER WELL LOG

- **Owner:** Northern Pacific Ry. Co.  
- **Address:** Avon, Montana  
- **Driller:** E. A. Bodin  
- **Address:** St. Paul, Minn.  
- **Date Started:** November 11, 1957  
- **Date Completed:** Nov. 21, 1957  
- **Location:** Sec. 28  
- **Type of well:** Drilled  
- **Equipment used:** Churn drill  
- **Water use:** Domestic  
- **Casing:**  
- **Perforated or Screened:** Staggered perforations 1/8" x 12"  
- **Static Water level:** 8 ft.  
- **Shut-in pressure:** lb./sq. in. on:  
- **Pumping water level:** 25 feet at 12 gal. per min.  
- **How tested:** Test pump  
- **Length of test:** 8 hours  
- **Remarks:** Gravel packing, cementing, packers, type of shut-off, depth of shut-off.

---

### Other Details

- **County:** Powell  
- **State Engineer:** Butte, Montana  
- **Owner:** Northern Pacific Ry. Co.  
- **Address:** Avon, Montana  
- **Driller:** E. A. Bodin  
- **Address:** St. Paul, Minn.  
- **Date Started:** November 11, 1957  
- **Date Completed:** Nov. 21, 1957  
- **Location:** Sec. 28  
- **Type of well:** Drilled  
- **Equipment used:** Churn drill  
- **Water use:** Domestic  
- **Casing:**  
- **Perforated or Screened:** Staggered perforations 1/8" x 12"  
- **Static Water level:** 8 ft.  
- **Shut-in pressure:** lb./sq. in. on:  
- **Pumping water level:** 25 feet at 12 gal. per min.  
- **How tested:** Test pump  
- **Length of test:** 8 hours  
- **Remarks:** Gravel packing, cementing, packers, type of shut-off, depth of shut-off.

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Cinders.</td>
</tr>
<tr>
<td>4</td>
<td>Gravel.</td>
</tr>
<tr>
<td>20</td>
<td>Gravel, water.</td>
</tr>
<tr>
<td>32</td>
<td>Blue shale.</td>
</tr>
<tr>
<td>41</td>
<td>Sand and gravel, water.</td>
</tr>
<tr>
<td>49</td>
<td>Blue shale.</td>
</tr>
</tbody>
</table>

NORTHERN PACIFIC RAILWAY COMPANY
Avon, Montana.

RECEIVED
POWELL COUNTY, MONTANA

January 17, 1958

[Signature]
Clerk and Recorder

By
Deputy

Fee $
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. George V. Davis, of Avon
   (Name of Appropriator) (Address) (Town)
   County of Powell, 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1918, continuous use from
   initial date

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
   does not apply

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   electric pump, well located just east of building referred to as "book house"

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

8. The depth of water table
   30 ft.

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   5/8 in. casing drilled to depth of 60 ft.

10. The estimated amount of groundwater withdrawn each year
    50 gal.

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

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: George V. Davis
Date: Dec 23 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

GEORGE V. DAVIS

POWELL COUNTY, MONTANA

December 20th, 1963
at 11:12 o'clock

Daniel B. Hartz, Jr.
Clerk and Recorder

By:
Deputy

Fee $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. George V. Davis, of Avon
   Name of Appropriator Address Town

County of Powell 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

3. The date or approximate date of earliest beneficial use: and how continuous the use has been, in constant use since that date

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 does not apply

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: electric pump, well located just west of ranch residence

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1966

8. The depth of water table: 60 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: 6 ft steel casing drilled to depth of 70 ft

10. The estimated amount of groundwater withdrawn each year: 73,000 gal

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

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

Signature of Owner George V. Davis
Date Dec. 12, 1966

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

GEORGE V. DAVIS

RECEIVED
POWELL COUNTY, MONTANA

December 20th, 1969

at ___ minutes past ___ o'clock

A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid

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)

   (Name of Appropriator) (Address) (Town)
   County of Powell, 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 watering stock

   3. Date or approximate date of earliest beneficial use: Nov. 20, 1960

   4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 12 gal., per minute

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

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

   electric pump, well located approx. 1/2 mi.

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

   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:

   hand dug, 10” pipe casing to depth of 25 ft.

   10. The estimated amount of groundwater withdrawn each year: 60,000 gal.

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

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

   Signature of Owner: George A. Davis
   Date: Dec. 12, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

GEORGE V. DAVIS

RECEIVED
POWELL COUNTY, MONTANA

December 20th, 1963
at minutes past o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By
Deputy

See $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Blanche M. Knight
   (Name of Appropriator)
   (Address)
   County of Powell
   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
   Industrial and possibly Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   May 1, 1961 to 1962

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   300 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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Well pump installed at top of well

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

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
   Drilled well

10. The estimated amount of groundwater withdrawn each year
   Unknown

11. The log of formations encountered in the drilling of each well if available
   ...Seq. 1 to 10 ft. Clay from this point to 15 ft...

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: Blanche M. Knight
Date: June 8th, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

BLANCHE M. KNIGHT

RECEIVED
POWELL COUNTY, MONTANA

June 8th, 1962
at minutes past 3:10 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By
Deputy

Fee $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1963)

1. CHARLES N. FERGUSON, of A. V. D. A., (Name of Appropriator)
   (Address) (Town)

   County of P. O. W. E., State of MONTANA,

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

   N

   W

   S

   1/4 Sec. 10, T., R.

   Indicate point of appropriation and place of use, if possible. Each
   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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

CHARLES McDERMID

RECEIVED
POWELL COUNTY, MONTANA

December 30th, 1963
at 9:10 o'clock

By

Daniel B. Hertz, Jr.
Deputy

Fee $2.00 Paid
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>Nelson, Carl</td>
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<td>72929</td>
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<td>25</td>
<td>Johnson, Alzear</td>
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<td>Marshall, Elwood C.</td>
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</table>
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: June 6, 1967
Owner: John L. Knight
Address: 2000 Main St., Jackson
Contractor (if any): 
Address of Contractor: 
Date Started: Date Completed:

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

Natural Spring

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.

25,000 gal. estimate
Continued use

Signature of Owner: John L. Knight
Date: June 6, 1967

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.
RECEIVED
POWELL COUNTY, MONTANA
June 6th, 1967
at 1:30 o'clock
P.M.
Elfa McDonough
 Clerk and Recorder
By: ________________ Deputy
Fee $________
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Carl Nelson
Address: Choteau, Mont.

Driller: Wesley Lindsay
Address: Choteau, Mont.

Date of Notice of appropriation of groundwater: May 1, 1962
Date completed: May 2, 1962

Type of well: (Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
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<td>6&quot;</td>
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</table>

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

at

Discharge in gal. per min. of flowing well

How Tested

Length of Test

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

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

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature

38

29/59
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

CARL NELSON

RECEIVED
POWELL COUNTY, MONTANA
May 25th, 1965
at __________ minutes past 4:30 o'clock
By ____________________________
Daniel B. Hertz, Jr.

By ____________________________

Fees $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Carl L. Nelson
   (Name of Appropiorator)
   of 
   (Address)
   of
   (Town)
   County of Powell
   State of Montana

2. The beneficial use on which the claim is based
   Used as Water for Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Not Known

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

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

6. Indicate point of appropriation and place of use, if possible. Each

<table>
<thead>
<tr>
<th>Well</th>
<th>A</th>
<th>B</th>
<th>C</th>
<th>D</th>
<th>E</th>
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<tbody>
<tr>
<td>W1</td>
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<td></td>
</tr>
<tr>
<td>W2</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

8. The depth of water table. Not Known

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. Type - Drilled Both W1 and W2
   Size: No. 1 = 6 in., No. 2 = 6 in.
   Depth: Unknown

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

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 to my knowledge there is no record of these wells.

Signature of Owner: Carl L. Nelson
Date: Dec. 26, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropiorator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

CARL L. NELSON

RECEIVED
POWELL COUNTY, MONTANA

December 26th, 1963

at minutes past 1:30 o'clock

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 227 Montana Session Laws, 1961, as amended)

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

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

Owner: 
Address: 

Date well started: 
Date well completed: 

Type of well: 

Equipment used: 

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drill Bit</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; x 3/4&quot;</td>
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<td>0</td>
<td>60</td>
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<tr>
<td>Plastic liner</td>
<td></td>
<td>0</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

Static water level _______ ft. above ground level.

Pumping water level _______ ft. above ground level.

*Measured at _______ gallons per minute, measured _______ minutes after pumping began.

Well developed by: _______ for _______ hours.

Power: _______ Pump: _______ HP

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

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

Show exact depth of bottom
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

A. G. JACKSON et ux

RECEIVED
POWELL COUNTY, MONTANA
September 25th, 1972

Paid post 3:35 o'clock

[Signature]
Asst. Deputy

$2.00
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide, as indicated in red on the attached form, the complete location of the well by section, township and range.

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

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

1. Wilbert T. Janke, of Avon, State of Powell, State of Mont., 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 is for home and livestock use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1900 continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 150 gpm.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 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: 20 years ago.

8. The depth of water table: 20 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: 18 well 30 ft deep.

10. The estimated amount of groundwater withdrawn each year: 36500 gal per yr.

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: Wilbert T. Janke
Date: Dec 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
DECLARATION OF VESTED GROUND-WATER RIGHTS

WILBERT T. JANKE

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963

at ______ minutes past 3:35 o'clock P.M.

Daniel B. Hartz, Jr.
Clerk and Recorder

By ________ Deputy

Fee $2.00 Paid
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**Name of Appropriator**

**Address**

**Town**

**County**

**State**

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

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
</table>

2. The beneficial use on which the claim is based: **Lawn and Feature**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1931**

4. The amount of groundwater claimed (in min. gals or gallons per minute): **23 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: **39.90 acres, Garden, Lawn, and Pasture**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **500 feet Well about 600 feet from principal point of appropriation**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1931**

8. The depth of water table: **41 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: **Brick 12 X 12 X 36 ft**

10. The estimated amount of groundwater withdrawn each year: **1,000 gals.**

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

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: **Presented**

**Signature of Owner: Marshall E. Marshall**

**Date:**

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

HAROLD E. MARSHALL

RECEIVED
POWELL COUNTY, MONTANA

January 6th, ____________

Daniel B. Herle, Jr.
Judy and Recorder

Deputy

Rec'd $2.00 Paid
### Groundwater Index

**County:** Powell  
**Twp.:** 107  
**Rge.:** 6W1

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<th>Type of Form</th>
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<td>Cw3</td>
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<td>Schatz, Frank &amp; Ronald</td>
<td>Dw73</td>
<td>73404</td>
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<td>13</td>
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<td>Hibbard Ranch Co.</td>
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<td>Schatz, Frank &amp; Ronald</td>
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<td>21</td>
<td>Hibbard Ranch Co.</td>
<td>Dw4</td>
<td>73447</td>
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<td>27</td>
<td>Hibbard Ranch Co.</td>
<td>Dw4</td>
<td>73449</td>
<td></td>
</tr>
</tbody>
</table>
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: 1900
Owner: Frank H. Daily
Address: 411 Helena
Contractor (If any): 
Address of Contractor: 
Date Started: 
Date Completed: 

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. These are all springs and sub-irrigation places.

The whole place in well covered with the springs well spaced.

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.

Signature of Owner: Frank Daily
Date: 1-27-1964

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 Appropriate.
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

FRANK & RONALD SCHATZ

RECEIVED
POWELL COUNTY, MONTANA

February 19th, 1964
at minutes past 9:23 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By Deputy

Fee $2.00 Paid
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...

Owner...

Contractor (if any)...

Address of Contractor...

Date Started... Date Completed...

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. There are all springs and sub-irrigation places.

The whole place is well covered with springs, wells, and

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...all

Indicate point of appropriation and place of use, if possible.

Signature of Owner...

Date...

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.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

FRANK & RONALD SCHATZ

RECEIVED

POWELL COUNTY, MONTANA

February 19th, 1964
at __ minutes past 9:20 o'clock A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By ______________________ Deputy

Fee $2.00 Paid
**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Hibbard Ranch Co.**  
   (Name of Appropriator)  
   (Address)  
   (Town)  
   County of Lewis & Clark  
   State of Montana  
   
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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:

---

**Hibbard Ranch Co.**  

Signature of Owner:  

Date: 12-10-63

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 Appropriorator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

HIBBARD RANCH CO.

RECEIVED
POWELL COUNTY, MONTANA

January 9th, 1961
at ______ minutes past 9:10 o'clock
A.M.

Daniel B. Hertz, Jr.
Clery and Recorder

Deputy

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner and Address

Contractor (if any)

Address of Contractor

Date Started

Date Completed

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. Springs and seepages, irrigation ditches, all well

approximated over entire area.

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

Indicate point of appropriation and place of use, if possible.

Signature of Owner

Date

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.

35006
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

FRANK & RONALD SCHATZ

RECEIVED
POWELL COUNTY, MONTANA

February 25th, 1964
at 9 minutes past 9:22, A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
### WATER WELL LOG

**Owner:** M.P.H.X. CO.  
**Address:** Blosburg, Mont.  
**Driller:** E. A. Bodin  
**Address:** Terry, Mont.  
**Date Started:** Feb. 5, 1959  
**Date Completed:** Feb. 27, 1959  

**Location:** Sec. 21, T. 10N, R. 60 W 1/4 sec.  

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Churn Drill</th>
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<tbody>
<tr>
<td>Water use</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
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<tr>
<td>Casing</td>
<td>0 ft. to 65 ft.</td>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>Ft. to Ft.</td>
<td></td>
<td>Ft. to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>None</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>31 feet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb/sq. in. on: (date)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>54 feet at 26 gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Test Pump</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td>3-1/2 hours</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
**none**  

(over)
Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 2</td>
<td>Black Soil</td>
</tr>
<tr>
<td>2 to 12</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>12 to 24</td>
<td>Clay &amp; Boulders</td>
</tr>
<tr>
<td>24 to 60</td>
<td>Rock, Shale &amp; Boulders</td>
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<tr>
<td>60 to 69</td>
<td>Clay &amp; Gravel</td>
</tr>
<tr>
<td>69</td>
<td>Bedrock - granite</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. History: 1947
   of 

   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.


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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriate.
DECLARATION OF VESTED GROUND-WATER RIGHTS

HIBBARD RANCH CO.

RECEIVED
POWELL COUNTY, MONTANA

January 9th, 1964

at ______ minutes past ______ o'clock

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 

Owner: 
Address of Owner: 

Contractor (if any): 
Address of Contractor: 

Date Started: Date Completed: 

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

Springs will: 

Springs will: 

Springs will: 

Indicate point of appropriation and place of use, if possible. 

Sec. 15 T.40 R.6 

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. 

Signature of Owner: 
Date: 

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.
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

FRANK & RONALD SCHATZ

RECEIVED
POWELL COUNTY, MONTANA

February 19th, 1964
at 9:21 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

#### STATE OF MONTANA

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

#### Declaration of Vested Groundwater Rights

**STATE OF ENGINEER**

---

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

---

1. **Hibbard Ranch Co.**
   - **Box 397**, Helena, Montana
   - **County of**: Flathead
   - **State of**: Montana
   - **W 1 / 4 and SE 1 / 4 and NW 1 / 4 all Sec. 20**
   - **Sec. 20, T. 10 N., R. 62 W.**
   - **Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.**

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

3. **Date or approximate date of earliest beneficial use; and how continuous the use has been**
   - **July 1, 1968**

4. **Amount of groundwater claimed (in miner's inches or gallons)**
   - **(for example)**

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**
   - **(for example)**

6. **The means of withdrawing such water from the ground and the location of each well or other means of withdrawal**
   - **SE 1 / 4 - developed the rest is not developed**
   - **A pipe is used where developed**

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

8. **The depth of water table**
   - **(for example)**

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**
   - **(for example)**

10. **The estimated amount of groundwater withdrawn each year**
    - **(for example)**

11. **The log of formations encountered in the drilling of each well if available**
    - **(for example)**

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**
    - **(for example)**

---

**Signature of Owner**

**Date**: 3-1-63

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.
DECLARATION OF VESTED GROUND-WATER RIGHTS

HIBBARD RANCH CO.

RECEIVED
POWELL COUNTY, MONTANA

January 9th, 1964
at_____ minutes past 9:12 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Deputy

Fee $2.00 Paid
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Hibbard Ranch Co.

(Name of Appropriator) of 355 597
(Address) (Town)

County of Lewis & Clark State of Montana

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

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

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

1868

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:

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:

Hibbard Ranch Co.

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

HIBBARD RANCH CO.

RECEIVED
POWELL COUNTY, MONTANA
January 9th, 1964
at ______ minutes past ______ o'clock A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Hildreth Ranch Co., of ___________, Sales ___________, 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 is available ________.

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

Signature of Owner ________.
Date ____________.

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

HIBBARD RANCH CO.

RECEIVED
POWELL COUNTY, MONTANA

January 5th, 19__

at __________ minutes past __________ o'clock

A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By __________ Deputy

Fee $2.00 Paid
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>31</td>
<td>MH Phosphate Products Co</td>
<td>GW3</td>
<td>73070</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: November 1962

Montana Phosphate Products Company
Owner: Garrison, Montana

Contractor (if any): Self
Address of Contractor: Garrison, Montana

Date Started: Nov. 1962; Date Completed: Oct. 1963

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

- Encountered flow in mine 100 feet from surface

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:

- 500 gallons per minute, flowing at continuous rate, for industrial use.

Indicate point of appropriation and place of use, if possible:

NW ¼ Sec. 31 T. 39N. R. 22W

Signature of Owner: By
Superintendent of Mines:
Date: Dec. 30, 1963

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 School of Mines and Quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

MONTANA PHOSPHATE PRODUCTS COMPANY

RECEIVED

POWELL COUNTY, MONTANA

December 31st, 1963

at __________ minutes past __________ o'clock

P.M.

Daniel B. Hertz, Jr.

Clerk and Recorder

By __________ Deputy

Fee $.___.00 Paid
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<tr>
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<td>Brand, August J.</td>
<td>G.04</td>
<td>73/79</td>
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<td>73/80</td>
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<td>G.04</td>
<td>73/36</td>
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<td>Weller, Edward E.</td>
<td>G.02</td>
<td>87/483</td>
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<td>87/473</td>
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<td>Weller, Richard &amp; Elmer</td>
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<td>87/494</td>
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<td>U.S. Forest Service</td>
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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. August F. Brand
   (Name of Appropriator)
   60 Gold Creek
   (Address)
   Powell
   (Town)
   County of Powell
   State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Drilled in 1943 used ever since for house use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 to 10 gallons/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.
   Lawn at times.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: April 1, 1943.

8. The depth of water table. Well 65 feet deep, water comes within 14 feet of top.

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, 65 feet deep - 8" casing, to be pumped and used for household use.

10. The estimated amount of groundwater withdrawn each year: 20,000.

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

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

Signature of Owner: August F. Brand
Date: January 10, 1964

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

AUGUST F. BRAND

RECEIVED
POWELL COUNTY, MONTANA

January 10th, 1964
at ___ minutes past ___ o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By: Deputy

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation
Without Well

Date of Appropriation of Groundwater: January 10, 1964

Owner: August F. Brand
Address: Gold Creek

Contractor (if any): Endorsed by Owner
Address of Contractor:

Date Started: 1908
Date Completed: 1908

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes": Include depth to water when applicable. Natural Spring depth 4 feet.

3 inch pipe

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.

Use for Livestock - runs continuously into creek

from water tank and used for irrigation

Contiguous full flow through 3 inch pipe

Signature of Owner: August F. Brand
Date: January 10, 1964

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.
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

AUGUST F. BRAND

RECEIVED
POWELL COUNTY, MONTANA
January 10th, 1964
at __________ minutes past 11:49 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By: ____________________________ Deputy

Fee: $2.00 Paid
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Name and Minita of Cold Creek
   (Name of Appropriator)
   (Address) (Town)

   County of Foulk 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, garden, lawn, trees

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      Oct. 1953, use ever since it has been drilled

   4. The amount of groundwater claimed (in miner’s inches or gallons per minute)
      100,000 miner’s inches per year

   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
      2 acres yard, garden, trees

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Electrical pump, one well, located on owner's property within the NE SE4 Sec. 11 T 9 N R 2

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

   N  E  S  W

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

   8. The depth of water table
      97 ft. deep, water as up 50 ft. in pipe or 47 ft. from top

   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
      Withdrawn brine of electrical pump.

   10. The estimated amount of groundwater withdrawn each year
      50,000 miner's inches per year

   11. The log of formations encountered in the drilling of each well if available
      Not known but Reddick Bros., Helena, Montana

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

Signature of Owner

Date

January 24, 1964

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

MINNIE KAHNKEN

RECEIVED
POWELL COUNTY, MONTANA

January 24th, 1964
at 2:05 minutes past 2 o'clock P.M.

Daniel B. Hartz, Jr.
Clerk and Recorder

Deputy

Fee 5.00 Paid
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 driller 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:** Richard & Chloe Worsham  
**Address:** Gold Creek  
**Montana:** 59738  
**Date well started:** June 4, 1972  
**Type of well:** Backhoe  
**Equipment used:** Chisel drill, rotary or other  
**Water Use:** Domestic ☐  Municipal ☐  Stock ☐  Irrigation ☐ Industrial ☐  Drainage ☐  Other ☐

**Use:** Describe (e.g., irrigation, domestic, etc.)

**ESTIMATED ANNUAL WITHDRAWAL:** [500]  
**PERFORATIONS:**

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Size and Location</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Depth of Perforations</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** [15] ft.  
**Pumping water level:** [20] ft.  
**50-min. pumping:** [2.0] gpm  
**50-min. pumping measured:** [5] minutes after pumping began.  
**Measured from ground level.**

**Well developed by:** Dewatering  
**Power Source:** Diesel  
**Remarks:** (Gravel packing, cementing, packers, type of shutter, etc.)

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

<table>
<thead>
<tr>
<th>Sec</th>
<th>T</th>
<th>NW 3rd</th>
<th>Number of Acres</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>105</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**License No.:** 52039

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**Driller's Signature:** Bill Young  
**Driller's Address:** 105  
**Sec 10, T Y N R 4 NW, 605  
**Show exact depth of bottom:** 8 ft.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

RICHARD WOLTERS et ux

RECEIVED
POWELL COUNTY, MONTANA
December 15th, 1922

By: 

Fee $3.20