140082

Water Well Log File # 718

State of Montana
County of McCones 1st
Office of Clerk and Recorder.
Filed this 22nd day of
August, A. D. 1972
at 11:15 o'clock, P. M.

Gloria L. Brennan
Clerk and Recorder

[Signature]

By: [Signature]
Deputy

Fee: $32.00
FROM: State Engineer  
Montana Water Resources Board  
Sam Mitchell Building  
Helena, Montana 59601

TO: Gloria G. Brennan  
Clark & Recorder  
Circle, Montana 59225

SUBJECT: W. W. Log No. 718: SWIR of Sec. 30-20-47  
W. W. Log No. 719: SWEE of Sec. 30-20-47

DATE: Sept. 12th, 1972

MESSAGE: Dear Sir:

When entering the following Water Well Logs in our tract book it came to our attention the description was not broken down. I do not know how it is shown on your copy, but they should read as follows:

W. W. Log No. 718: SWIR of Sec. 30-20-47  
W. W. Log No. 719: SWEE of Sec. 30-20-47

Sincerely,

Gloria G. Brennan

SIGNED: Deputy

DATE: Sept. 18, 1972

REPLY: The above noted additions to W. W. Log Numbers 718 and 719 have been made on our copies.

Thank you.

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

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

File No. 36481

STATE ENGINEER

Date: January 16, 1964

STATE OF MONTANA

COUNTY OF

 водопользование

ADDRESS

T. 28 N R 77 W

Depo.

W

E

N

S

0 N 34 Sec. 31 T 28 R 67

Point of appropriation

1. Name of Appropriator

2. The beneficial use on which the claim is based

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

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

5. If used for irrigation, give the acreage and 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 The estimated amount of groundwater withdrawn each year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: December 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; and quadruplicate for the Appropriator.
Doc. No.

127270

Water Well Log # 5094

Bartha E. Groh

TO

The Public

State of Montana

County of McCone

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of January, 1969, at 8:00 A.M.

[Signature]

County Clerk

Fee: $2.00
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Drill</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 116 ft.</td>
<td>Size:</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 ft. to 115 ft.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of Screen or Perforations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutback</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
</tr>
</thead>
<tbody>
<tr>
<td>47 feet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>lb./sq 'n. on:</th>
<th>(date)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
</tr>
</thead>
<tbody>
<tr>
<td>71 feet at 12 gal. per min.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gravel packed</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Log of Well</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2</td>
<td>Gravel</td>
</tr>
<tr>
<td>2 - 30</td>
<td>Brown, shale &amp; sand</td>
</tr>
<tr>
<td>30 - 41</td>
<td>Light blue shale</td>
</tr>
<tr>
<td>47 - 52</td>
<td>Coal</td>
</tr>
<tr>
<td>52 - 140</td>
<td>Blue shale</td>
</tr>
<tr>
<td>140 - 158</td>
<td>Blue, sandy &quot;Silt&quot;</td>
</tr>
<tr>
<td>158 - 162</td>
<td>Coal</td>
</tr>
<tr>
<td>162 - 168</td>
<td>Blue shale</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Doc. No.</th>
<th>Filed for record this, 20th day of August, A.D. 1972, at 1:50 P.M.</th>
</tr>
</thead>
<tbody>
<tr>
<td>479-14008</td>
<td>R'0'clock 8 M.</td>
</tr>
</tbody>
</table>
We accepted this old form for filing as it was the only one Mr. Wheatley had and the well driller is now deceased.

COUNTY CLERK & RECORDER
MC Mundo COUNTY
CIRCLE, MONTANA 59215

[Signature]

By [Signature]
Deputy
Fee $5.00
<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>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Reinemeyer, R.P.</td>
<td>Well Log</td>
<td>1234-21</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td></td>
<td>F.G.W.</td>
<td>1234-60</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Welsh, R.K.</td>
<td>GW No.</td>
<td>1273-34</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Pawlowski, Esther</td>
<td></td>
<td>12715-2</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Pawlowski Bros. Inc.</td>
<td></td>
<td>12715-5</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td></td>
<td>12715-4</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td></td>
<td>G.W.</td>
<td>12715-7</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td></td>
<td></td>
<td>12715-3</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td>1268-62</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td></td>
<td></td>
<td>1273-71</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Pawlowski, Delbert</td>
<td>GW No.</td>
<td>12719-2</td>
<td></td>
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<tr>
<td>20</td>
<td>Castle, Richard</td>
<td>G.W.</td>
<td>1277-69</td>
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<tr>
<td>21</td>
<td>Pawlowski, Dale G.</td>
<td>GW No.</td>
<td>12711-7</td>
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<tr>
<td>21</td>
<td></td>
<td></td>
<td>1273-01</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td></td>
<td>G.W.</td>
<td>1273-47</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Wagner, G.B.</td>
<td>G.W.</td>
<td>1272-35</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>New Era, P. C.</td>
<td>Well Log</td>
<td>1273-61</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>James, Anna</td>
<td>G.W.</td>
<td>1293-02</td>
<td></td>
</tr>
</tbody>
</table>
T 20 R 16
County

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Owner L.P. Runnels
Address Middlebrook
Driller
Address
Date Started 1914
Date Completed 1914
Location: Sec. 7 T 20 R 16 N 45 W

Type of Well (Dug, driven, bored, or drilled) [ ]
Equipment Used (Churn drill, rotary, other) [ ]

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

Casing: ______ 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: (date)
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)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**123421**

Water Well Log # 165

---

State of Montana  
County of McCone  
Office of Clerk and Recorder  
Filed this 29th day of December, A.D. 1961  
at 6:50 o'clock P.M.

[Signature]

Chris J. McLeod  
Clerk and Recorder

F. Nunez  
Deputy
STATE OF MONTANA
ADMINISTRATOR 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: ____________________________
Address: ____________________________

Date well started: ____________________________
completed: ____________________________

Type of well: ____________________________
Equipment used: ____________________________

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

*Describe ______________________________________________________________________

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Use of</th>
<th>Wells</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ground</td>
<td>Depth</td>
<td>(Foot)</td>
<td>(Foot)</td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>No.</th>
<th>Kinds of</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>(Foot)</td>
<td>(Foot)</td>
</tr>
</tbody>
</table>

Static water level: _______ ft.∗∗ Pumping water level: _______ ft.∗∗ at _______ gallons per minute, measured _______ minutes after pumping began.

∗Measured from ground level. Well developed by _______ hours for _______ hours.

Power: _______ HP Pump: _______ HP

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

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: ____________________________
Driller's Address: ____________________________

LICENSE NO. ____________________________
Doc. No. 138460
Water Well Log File No. 698

State of Montana
County of McCone

Office of Clerk and Recorder.
Filed this 15th day of September, A.D. 1974
at 9:35 o'clock A.M.

[Signature]
Clerk and Recorder

[Signature]
Deputy

Fee $2.00
FROM State Engineer
Montana Water Resources Board
Summit Mitchell Building
Helena, Montana 59601

TO Gloria G. Brennan
Clerk & Recorder
Circle, Montana 59225

SUBJECT

MESSAGE
DATE October 29th, 1971

Dear Sir:

We noticed an error on Water Well Log File #698, Document No. 138460. On the plat the location of the water well was erroneously marked in the NESE, we have corrected our copy and marked an x in the NESW.

Please correct your copy.

Gloria G. Brennan

SIGNED: Mary P. Fluckiger
Deputy

REPLY
DATE Nov. 4, 1971

Dear Mrs. Brennan,
The correction has been made on Water Well Log File #698, Document No. 138460. Thank you for contacting us of this correction.

Sincerely,
Secretary
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

#### STATE ENGINEER

**Declaration of Vested Groundwater Rights**

1. **R. C. Wall**, of **Bagg 23**, **Circe**

   - **County of**: **Filson Cone**  
   - **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: **Agriculture & Household**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1946**.

4. The amount of groundwater claimed (in miner's inches per gallon per minute): **5 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: **10 acres**.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **Indicate point of appropriation and place of use, if possible.**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1916**.

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: **6 x 60 - another 4 x 100.**

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: **710.**

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: **Herein.**

---

**Signature of Owner**: **R. C. Wall**

**Date**: **7/31/63**

---

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.
WATER WELL LOG FILE NO. 539

R. K. WAHL

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of Jan., 1964 A.D.
at 9:30 o’clock, a.m.

[Signature]
COUNTY CLERK

FEE: $2.00
Declaration of Vested Groundwater Rights

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
OFFICE OF STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Declaration of Vested Groundwater Rights

Esther Paulowski

(State of Montana)

County of

State of

Name of Appropriator

Address

Town

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1902, as follows:

1. County of

2. The beneficial use on which the claim is based. Water for livestock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 gals. 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. 5 acres or has not been used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Has pump and cylinder with windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About middle of June - 1961

8. The depth of water table. 45 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. Wrench casing with 1 ½ pipe

10. The estimated amount of groundwater withdrawn each year. 302.400 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 this act, including reference to book and page of any county record. Albert Hrost Driller

Signature of Owner

Date: Nov. 30, 61

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.
DOE. NO. 127152

ESTHER PAVLOWSKI

TO

THE PUBLIC

STATE OF MONTANA )
COUNTY OF McCONN )

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 12:55 o'clock P.M.

COUNTY CLERK

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Pawlowski Bros., Inc.

1. Name of Appropriator
2. State or County
3. Town
4. Address

County of Mc Co., 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 is

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.
Doc. No. 127155

For Well Log File No. 256

Pavloski Bros., Inc.

To

The Public

State of Montana

County of Meade

Office of County Clerk & Recorder

Filed this 30th day of Dec., 1963 A.D.
at 12:59 o'clock p.m.

[Signature]

County Clerk

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, 1961)

State Engineer

Henry Pawlowski, Estate, of

County of
State of

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

1. Name of Appropriator

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

3. Date or approximate date of earliest beneficial use: About 1929

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 8 inch. Casing 1 1/2 inch pipe 3 1/4 inch cylinder wind mill overhead

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: About 1929

8. The depth of water table: 18 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: 8 inch. Casing 1 1/2 inch pipe 3 1/4 inch cylinder with wind mill overhead

10. The estimated amount of groundwater withdrawn each year: 151,200

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

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

Signature of Owner: Ethel Pawlowski

Date: Dec. 30 - 63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
DOO. NO. 127154
JEN WELL LOG FILE NO. 395

PAVLONSKI BROS., INC.

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCOON

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 12:57 o'clock p.m.

COUNTY CLERK

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

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

Pawloski Bros., Inc. by

Owner: Pawloski, Sec. Address: Circle, Montana
Driller: Pawloski, Sec. Address: Lindsly, Montana

Date of Notice of appropriation of groundwater: 5/19/65
Date well started: 5/22/65
Date completed: 5/22/65

Type of well: Drilled
Equipment used: Cable tool drill
(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>Stratum</th>
<th>Desc.</th>
<th>Rate 1/3&quot;</th>
<th>Rate 1/2&quot;</th>
<th>Rate 3/4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue clay</td>
<td>77</td>
<td>77</td>
<td>77</td>
<td>77</td>
</tr>
<tr>
<td>Blue clay</td>
<td>50</td>
<td>50</td>
<td>50</td>
<td>50</td>
</tr>
<tr>
<td>Rock</td>
<td>45</td>
<td>45</td>
<td>45</td>
<td>45</td>
</tr>
<tr>
<td>Cravol</td>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
<tr>
<td>Yellow clay</td>
<td>15</td>
<td>15</td>
<td>15</td>
<td>15</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well
Shut-in Pressure for Flowing Well
Pumping Water Level
Discharge in gal. per min. of flowing well
How Tested: Drilled
Length of Test: 3/4 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutdown)

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).

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, those copies to be retained by driller.

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

Driller's License Number
Driller's Signature
135974

DOC. NO.

WATER WELL LOG FILE NO. 682

WATER WELL LOG

PAVLOWSKY BROS., INC.
CIRCLE, MONTANA

TO

THE PUBLIC

STATE OF MONTANA )
) SS
COUNTY OF McCONE )

This instrument was filed for record on
the 7th day of November, 1969, at 11:00
o'clock P.M.

Fee $ 2.00

[Signature]
County Clerk
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

Address of Contractor

Date Started: 1946 Date Completed: 1946

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes" along with depth to water when applicable. A 10 x 10 was dug and foundation was put in with building above

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 about

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

Signature of Owner: Esther Paulsen
Date: Dec. 30, 63

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.
WATER WELL LOG FILE NO. 39a

ESTHER PAVLOWSKI

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.

at 12:56 o'clock p.m.

[Signature]

COUNTY CLERK

File: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

Date: JAN 16, 1964

Declaration of Vested Groundwater Rights

(Name of Appropriator) (Address) (Town)

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

1. The beneficial use on which the claim is based.

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

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

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

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

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

7. The depth of water table.

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

9. 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: 1/16/64

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.
FILE NO. 536

DELBERT PAWLUSKI

TO

THE PUBLIC

STATE OF MONTANA )
COUNTY OF MISSOURI )

FILED IN THE OFFICE OF COUNTY CLERK & RECORDER
Filing this 30th day of Dec., 1963 A.D.
at 1:36 o'clock p.m.

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, 1961)

H. S. Sell
(Address)

County of Missoula
(State of Montana)

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

1. (Name of Appropriator) (Address) (Town)

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

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

4. The amount of groundwater claimed (in millions of gallons per month): 8 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:

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: H. S. Sell
Date: 11/20/63

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.
Water Well Log # 262.

State of Missouri

County of St. Louis

Office of Clerk and Recorder.

Filed this 29th day of November, A.D., 1962.

At 1:30 o'clock A.M.

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

Owner: Howard B. E. Address: Circle, Mont.
Driller: Edward Reed Address: Broadway, Mont.

Date of Notice of Appropriation of Groundwater: 12-23-67
Date Well Started: 12-23-67 Date Completed: 12-31-67

Type of Well: Drilled Equipment Used: Drill
(Churn, drill, rotary or drilled)

Water Use: Domestic Municipal Other Irrigation
Domestic Industrial Drainage Stock

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

Static Water Level for non-flowing Well 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: Below Length of Test

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

Driller’s License Number
Driller’s Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Edward L. L. Address: Circle, Mont.
Driller: Edward B. Address: Broadway, Mont.

Date of Notice of Appropriation of Groundwater: __________

Date well started: __________ Date Completed: __________

Type of well: Drilled Equipment used: Drilled

Type (dug, driven, bored or other)

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

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

<table>
<thead>
<tr>
<th>Depth of Hole</th>
<th>Size and Weight of Coling</th>
<th>From Top</th>
<th>To Top</th>
<th>Diameter of Hole</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>96' Water Sand</td>
<td>6&quot; 196 x 42 ft.</td>
<td>38'</td>
<td>107'</td>
<td>87'</td>
<td>105'</td>
<td></td>
</tr>
<tr>
<td>105' Blue Clay</td>
<td>6&quot; 196 x 42 ft.</td>
<td>33'</td>
<td>107'</td>
<td>87'</td>
<td>105'</td>
<td></td>
</tr>
<tr>
<td>107' THE END 6&quot;</td>
<td>6&quot; 196 x 42 ft.</td>
<td>33'</td>
<td>107'</td>
<td>87'</td>
<td>105'</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 30 feet.
Shut-in Pressure for Flowing Well: NA
Pumping Water Level: 42 feet at 18 gal. per minute.
Discharge in gal. per min. of flowing well: NA
How Tested: Bore Length of Test: 15 ft.
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) 6" where gravel packed.

Driller's License Number: Edward B. Driller's Signature: Edward B.

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.
WATER WELL LOG #657.

State of Montana
County of McCone

Office of Clerk and Recorder.
Filed this 2nd day of January A.D. 1918
at 12:15 o'clock P.M.

Alice E. Halverson
Clerk and Recorder
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, 1961)  

STATE ENGINEER  

JAN 16 1964  

(Month, Day, Year)  

County of:                           State of:  

(Name of Appropriator) (Address) (Town)  

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

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

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.
WATER WELL LOG FILE NO. 433

DELMAE PAVLOWSKE

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF WILKES

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 11:35 o'clock p.m.

FEE: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: Richard Goodman
Address: Circle, Montana

Driller: Goodman
Address: Rolla, Montana

Date of Notice of Appropriation of Groundwater: April 1, 1964

Date well started: April 3, 1964
Date Completed: April 10, 1964

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

Water Use: Domestic

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

- Static Water Level for non-flowing Well: 55 feet.
- Shut-In Pressure for Flowing Well
- Pumping Water Level: 05 feet at 5 gal. per minute.
- Discharge in gal. per min. of flowing well
- How Tested: Drilled
Length of Test: 2 hours

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

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 School of Mines and Quadruplicate for the Appropriator.
127756

Water Well Log # 398

Filed December 1

Office of Clerk and Recorder

Filed this 7th day of
April, 1964

By: Clerk and Recorder

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, 1961)

STATE ENGINEER

Dale G. Pawlowski, or Box 217

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: Domestic

3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1949 Daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gpa per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1947

8. The depth of water table: Approx 100'

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: 50,000 gpa

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

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

Signature of Owner: Dale G. Pawlowski

Date: 27 Dec 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.

36323
WATER WELL LOG FILE NO. 361

DALE G. PAWLOWSKI

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF HOCKEY
OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D. at 9:25 o'clock a.m.

[Signature]
COUNTY CLERK

FEE $2.00
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Dalo Paulowitz
Address: Circle, Montana

Driller: John Smith
Address: Circle, Montana

Date of Notice of Appropriation of Groundwater: April 13, 1961
Date well started: April 12, 1961
Date completed: April 13, 1961

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

Water Use: Domestic

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5-inch</td>
<td>5&quot; ID</td>
<td>0</td>
<td>42</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 15 feet.

Shut-in Pressure for Flowing Well: ...

Pumping Water Level: 30 feet at 1000 gal. per minute.

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

How Tested: Driller
Length of Test: 2 hours

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

Driller’s License Number:
Driller’s Signature:

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

Please answer all questions. If not applicable, 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.
128065
WATER WELL LOG # 603

S. P. of Montana
County of McCone

Office of Clerk and Recorder.

Filed this ______ day of
June, ______ A. D., 19__
at ______ o'clock, P.M.

By ____________________________

Fee $2.00

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

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

1. Name of Appropriator
   (Of Address) Circle
   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 [ ] cubic feet or gallons per minute):

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner
Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
DOCKET NO.

WATER WELL LOG FILE NO. 569

OTTO FAMLOVSKY

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MACON

OFFICE OF COUNTY CLERK & RECORDER

Filed this 6th day of Jan., 1960 A.D.

at 12:35 o'clock, P.M.

COUNTY CLERK

FEE: $2.00
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner: J. B. Wagner
Address: Circle, Montana

Date of Notice of appropriation of groundwater: 8/22/68

Driller: Kiesel
Address: Indus, Montana

Date well started: 7/15/68
Date completed: 9/10/68

Type of well: Drilled
Equipment used: Churn drill

Water use: Domestic Municipal Stock Irrigation

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

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

Remarks: (Gravel packing, cementing, packers, type of shotfill, use, etc.)

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).

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, these copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Completion of Groundwater Appropriation by Means of Well

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**STATE WATER CONSERVATION BOARD**

DEVELOPED AFTER JANUARY 1, 1963

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

Owner: D.G. Wagner
Address: Circle, Montana

Driller: Daniel G. Magrady
Address: Lindsay, Montana

Date of Notice of appropriation of groundwater: 8/22/68
Date well started: 8/7/68
Date completed: 8/10/68

Type of well: Drilled
Equipment used: churn drill
(Drill, driven, bored or drilled)

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.

### PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drill</th>
<th>Size of Weight</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>4</td>
<td>0</td>
<td>170</td>
<td>1/8&quot; slots</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>170</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well**: 50 feet

**Shut-In Pressure for Flowing Well**: 125

**Pumping Water Level**: 123 feet

**Discharge in gal. per min. of flowing well**: not applicable

**How Tested**: bailed

**Length of Test**: 2 hrs

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

---

**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). Not applicable

---

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, same 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
136445
Water Well Log #686
County of McKenzie I
Office of Clerk and Recorder.
Filed this 2nd day of March A.D. 1920
at 10:30 a.m. of book 7A M.

Masie Drennan
Clerk and Recorder

By Mary E. Wickens
Deputy

Fee $2.00
# WATER WELL LOG

**Owner:** Northern Pacific Railway Co.  
**Address:** Circle, Montana

**Driller:** T. O. Hauser, Leases of Land Grazing Lines  
**Address:** Circle, Montana

**Date Started:** June 1929  
**Date Completed:** in one day, June 1931

**Location:** Sec. 35, T. 20 R. 48 S., sec. 112, 1/4 sec. 112 - sec. 35

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
<td>Churn drill</td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Casing:**
- 0 ft. to 47 ft.  
  Type: Galv.  
  Size: 6 inch

**Perforated or Screened:**
- 40 ft. to 47 ft.  
  Ft. to ft. [ ]

**Type of screen or perforations:**
- Round

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

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

**Pumping water level:**
- 37 feet at: [ ]
  gal. per min.

**How tested:**
- [ ]
  Daily use of pump

**Length of test:**
- [ ]
  Period of time

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 40</td>
<td>Hard Blue Clay</td>
</tr>
<tr>
<td>40 to 43</td>
<td>Fine gravel</td>
</tr>
<tr>
<td>43 to 46</td>
<td>Clay</td>
</tr>
<tr>
<td>46 to 47</td>
<td>Water bearing gravel</td>
</tr>
</tbody>
</table>

**DOC. NO. 123351**

**WATER WELL LOG FILE NO. 99**
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Location: Address: Circle: Montauk
Driller: [Name]: Address: Montauk

Date of Notice of Appropriation of Groundwater: __________
Date well started: __________ Date Completed: __________

Type of well: Drilled Equipment Used: Cable-T-S-Drill
(dug, driven, bored or drilled)

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

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

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

Show exact depth of bottom.

Static Water Level for non-flowing Well: __________ feet.
Shut-In Pressure for Flowing Well: __________ feet.
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)

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.
Water Well Log #607
State of South Dakota
County of Meade
Office of Clerk and Recorder.
Filed this 14th day of
August, 1964, at 4:10 P.M.
By: __________________
Fee: $2.00
## Groundwater Index

**County:** McCone  
**Twp:** 20N  
**Rge:** 40E

<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>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Jensen Bros. of Circle Inc.</td>
<td>F.W. N</td>
<td>127262</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Strand Eduard A.</td>
<td>— N</td>
<td>126846</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Marguerite Metz</td>
<td>— N</td>
<td>127252</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Zaberg Gardner Inc.</td>
<td>— N</td>
<td>127182</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Jensen Bros. of Circle Inc.</td>
<td>— N</td>
<td>127267</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Jensen Bros. of Circle, Inc., of Circle
County of Dawson 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 since
   July 1, 1960.
4. The amount of groundwater claimed (in miner's inches or gallons per minute).
5. If used for irrigation, give the area 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: 12-30-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 909

JENSEN BROS. OF CIRCLE, INC.
HARRY T. JENSEN, SEC-THREAS.

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 31st day of Dec., 1963 A.D.
at 8:52 o'clock, a.m.

COUNTY CLERK

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, 1961)

1. EDWARD A. STRAND of BOX 226
   (Address) (Town)
   (Name of Appropriator) (Address) (Town)

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

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

   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: Edward A. Strand
   Date: 12-11-1963

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.
WATER WELL LOG FILE NO. 267

EDW. A. STRAND

TO

THE PUBLIC

State of Montana
County of McCone  
Office of Clerk and Recorder.

Filed this 11th day of Dec. A.D. 19__

4:05 p.m.

Clerk and Recorder

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, 1961)

INAKYERITES MART of
(Name of Appropriator)

County of ST.File No. 49.
(State of)

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

1. The beneficial use on which the claim is based. STOCK

2. Date or approximate date of earliest beneficial use; and how continuous the use has been. March 20, 1941

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. March 20, 1941

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 gallons per minute

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater March 20, 1941

7. The depth of water table 50 ft

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

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

10. 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. Unavailable

Signature of Owner: Marguerite Smart
Date: 3-31-62

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 493

MARGUERITE SHANT

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF ROCHELLE

OFFICE OF COUNTY CLERK & RECORDER
Filed this 31st day of Dec., 1963 A.D.
at 8:36 o'clock, a.m.

SIGNED
COUNTY CLERK

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

STATE ENGINEER

Gardner W. Lobey of

(Addressee)

County of McCone

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 is Domestic

and Stock and Irrigating

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1955 Used Daily

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

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

Lawn and Garden and Fruit Trees

6. The means of withdrawing such water from the ground and the

location of each well or other means of withdrawal:

1 HP Submersible pump

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

8. The depth of water table: 245 - 295 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:

Four-inch casing 295 feet deep

10. The estimated amount of groundwater withdrawn each year: 1,500,000 gal

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

Water is taken from Fox Hills Sands

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: Gardner W. Lobey

Date: 1/30/1955

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.
127183

LOG. NO.

WATER WELL LOG FILE NO. 426

GARDNER W. LUDERG

TO

THE PUBLIC

STATE OF MONTANA
BILLS
COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 1:26 o'clock p.m.

[Signature]
COUNTY CLERK

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, 1961)

STATE ENGINEER

1. Jensen Bros. of Circle, Inc. of Circle,

(Name of Appropriator) (Address)

County of Dawson 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: Stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 10, 1960

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 10, 1960

8. The depth of water table: Fifteen 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, six inch casing, sixty feet deep

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

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

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

Signature of Owner: Larry H. Jensen

Date: 12-30-60

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.
TO

THE PUBLIC

STATE OF MONTANA
CITY OF MANDAN
COUNTY OF McDOUGAL

OFFICE OF COUNTY CLERK & Recorder
Filed this 31st day of Dec., 1963 A.D.
at 8:52 o'clock, a.m.

[Signature]
COUNTY CLERK

FEE: $2.00