STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Charles Thompson, of 320 4th Ave. NE, Lolo
   (Name of Appropriator)          (Address)
   County of Richland 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: 1961. Continued

4. The amount of groundwater claimed, in miner's inches or gallons per minute: 40 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: 7/14/1961

8. The depth of water table: 53

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for withdrawal of groundwater:
   Well 1: Built 1961 with 6 inch casing

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 The estimated amount of groundwater withdrawn each year: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: Charles Thompson

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; TriPLICATE to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Richland, ss.

Filed this ______________ day of
January ______________, A.D. ______________.

At ______________ o'clock ______________ M.

__________________________
County Recorder.

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

Date of Appropriation of Groundwater: January 31, 1963
Owner: Address: Lewistown, Montana
Contractor (if any): Address:
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. This is a natural spring with
flow about 1 3/4 inches of water (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:
5 months a year for livestock.

Signature of Owner:

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

(Under Chapter 237 Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>January 31, 1963</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>George E. Frohock</td>
</tr>
<tr>
<td>Contractor (if any)</td>
<td>Etc.</td>
</tr>
<tr>
<td>Address</td>
<td>Etc.</td>
</tr>
<tr>
<td>Address of Contractor</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
</tbody>
</table>

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

- Flows about 1-3/8 inches of water (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.
- 5 months a year for livestock.
- 
- 
- 

Signature of Owner

Date

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

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

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

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

Filed this 31 day of December A.D. 1963
at 18:15:42 o'clock P.M.

S. T. Kocher
County Recorder

Deputy

Lee 200
File
## WATER WELL LOG

**Owner:** James O. Dethman  
**Address:** Rt 1 Box 27 Sidney, MT

**Driller:**  
**Address:**

**Date Started:**  
**Date Completed:**

**Location:** Sec. 31 T. 23 N. R. 57 E  
Sec. 6

### Type of Well

- Dug
- Driven
- Bored
- Bored drill, rotary, etc.

### Equipment Used

- **Type:**
- **Size:**

### Water Use

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

### Casing

- **Depth:** ft to ft
- **Type:**
- **Size:**

### Perforated or Screened

- **Depth:** ft to ft
- **Type:**
- **Size:**

### Static Water Level

- For non-flowing well:
- **Feet:**

### Shut-In Pressure

- For flowing well:
- **Date:**
- **Lb. sq. in. on:**
- **Total Feet:**

### Pumping Water Level

- **Feet at:**
- **Gallons per Min:**

### How Tested

- **Length of Test:**

### Remarks

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

---

**Comment:**

- Butte, Montana

**Cover:** Receiving Report

**MONTANA BUREAU OF MINES AND GEOLOGY**

**STATE ENGINEER**

---
STATE OF MONTANA.
County of Richland

Filed this... 29th... A.D. 1961
at 3:37... o'clock... P.M.

E. L. Lloyd
County Recorder

S. Sullivan
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1946

Owner: Russel Oberfell
Address: Sidney, Montana

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: floor spring

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

flow about 7 gallons per minute and used year around for stock

Signature of Owner
Date: Dec. 31, 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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Richland,

Filed this 31st day of December, A.D. 1963, at 2:30 o'clock P.M.

[Signature]
County Recorder

[Signature]
Deputy

Filed: 200___
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: 1946

Owner: Guadie Obergfell
Address: Sidney, Montana

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.

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: Dec. 31, 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Richland,
Filed this 31 day of Dec. A.D. 1902,
at 2:35 P.M.

[Signature]
County Recorder

Fee: 2.00
Filed
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

DATE OF APPROPRIATION OF GROUNDWATER...1946

OWNER...Gussie Oberfell

ADDRESS...Sidney, Montana

CONTRACTOR (IF ANY)...Kallevig Bros.

ADDRESS OF CONTRACTOR...Sidney, Montana

DATE STARTED...SEPT. 1963

DATE COMPLETED...SEPT. 1963

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

In 1963 this spring was further developed and repaired by Kallevig Bros. of Sidney, Mont.

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...

FLOW ABOUT 7 GALLONS PER MINUTE USED YEAR AROUND FOR STOCK.

Signature of Owner...[Signature]

Date...Dec. 31, 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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

James C. Con

(Name of Appropriator)

Guard Rd.

(Address)

Libby

(Town)

Montana

Country 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:
   Livestock

3. Date or approximate date of beginning original use; and how continuous this use has been:
   About June 1960

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

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 & windmill

7. The date of commencement of construction of the well, wells, or other works for withdrawal of groundwater:
   About June 1960

8. The depth of water table:
   About 20 feet

9. So far as it may be available, the type, size, and depth of casing, or the general specifications of any other works for the withdrawal of groundwater:
   10 1/2, deep

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

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

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

I am, under the penalties of law, the true and true copy of this document.

James C. Con

Signature of Owner

Land and the date of the deed or instrument.

Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder. Duplicate to the State Engineer. Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA:

Filed 286286
31
December 1963

C. H. Hoover

P.E. Atkinson

Filed
<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>
<td>Sec.</td>
<td>Name of Appropriator</td>
<td>Type of Form</td>
<td>County File No.</td>
<td>Remarks</td>
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<tr>
<td>23</td>
<td>Carter, Del. L.</td>
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<td>23</td>
<td>Carter, Del. L.</td>
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<td>Carter, Del. L.</td>
<td>EW 2</td>
<td>217416</td>
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<td>27</td>
<td>Snyder, Wald C.</td>
<td>EW 4</td>
<td>575397</td>
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<td>31</td>
<td>Siedel, Dorothy C.</td>
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<td>31</td>
<td>Siedel, Dorothy C.</td>
<td>EW 4</td>
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<td>Siedel, Jesse C.</td>
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<tr>
<td>34</td>
<td>Smith, Clarence P.</td>
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<td>34</td>
<td>Smith, Clarence P.</td>
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<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)

WILLIE K. DONNA PANASUK of SIDNEY, MONTANA

County of RICHLAND 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 and 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.
STATE OF MONTANA,
County of Richland,
Filed this 3d day of December, A.D. 1963,
at 2:35 o'clock P.M.

E. L. Fehder
County Recorder

Helen Hulse
Deputy

Filed
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>Drilled</td>
<td>Rotary</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
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<td></td>
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<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to</th>
<th>165 ft.</th>
<th>Type</th>
<th>6 inch steel pipe</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td></td>
<td></td>
<td>Type</td>
<td>Well not cased beyond 165 feet</td>
</tr>
<tr>
<td>Casing:</td>
<td>165 ft.</td>
<td>160 ft.</td>
<td>Type</td>
<td>Size</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>About 30 feet from surface</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>feet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>lb./sq. in. 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>
<th>5 - 6 gallons per minute</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>feet at</td>
</tr>
<tr>
<td></td>
<td>gal. per min.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>Bailing equipment on well driller</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>Repeated tests of one minute each</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

This well was drilled with the hopes of obtaining 50 - 100 gallons per minute flow which was not realised. Therefore, the well will not be used for irrigation purposes. The first 165 feet was cased with 6 inch steel pipe since the entire formation to this depth consisted of gravel. This casing was left in place to provide a site for a possible deeper well at some future date. The remainder of the well was drilled to a six inch diameter but was not cased. The well was capped over after completion. Water flowed into the well from a coal vein at a depth of 120 feet. Seepage also occurred into the well from the 165 feet of gravel near the surface which brought the water level in the well to within 30 feet of the surface if the well was left to stand for some time.

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft.</td>
<td>45 ft.</td>
</tr>
<tr>
<td>45 ft.</td>
<td>120 ft.</td>
</tr>
<tr>
<td>At 120 feet</td>
<td>Coal vein with water flow of 5 - 6 gallons per minute</td>
</tr>
<tr>
<td>120</td>
<td>160</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

State of Montana
Agricultural Experiment Station
(State of Montana)
Eastern Montana Branch Station
(State of Montana)

County of Richland
(State of Montana)

Name of Appropriator
(State of Montana)
Address
(State of Montana)

I, 
(Name of Appropriator)
(Address)
(Town)

Family 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: Irrigation of small experimental plots on dryland annex of experiment station.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Well completed but not used since flow was too low for irrigation needs. Well remains closed to 45 feet and may be developed further at a later date as needed.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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: 3.20 acres in North Half of Northeast Quarter of
 Section 4, Township 24 North, Range 58 East. Land Owner - Richland County Soil Conservation District, Sidney, Montana.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: No water being withdrawn at present.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well started and completed in August of 1957.

8. The depth of water table: Small water vein at 45 feet plus slightly larger water vein at 120 feet in a coal vein.

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: Well is of 6 inch diameter for top 45 feet and is of 8 inch diameter below this depth at well is at 100 feet. Well has 8 inch well casing to depth of 120 feet. No pump or other means for withdrawing water is installed at present.

10. The estimated amount of groundwater withdrawn each year: None at present.

11. The log of formations encountered in the drilling of each well if available: From ground surface, 45 feet of soil and gravel, 75 feet of clay, small coal vein at 120 feet, and clay from coal vein to 160 feet of depth.

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.

MONTANA AGRICULTURAL EXPERIMENT STATION
Signature of Owner: J. A. Amerson
Date: January 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 School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA,

County of Richland.

Filed this __________ day of ________ A.D. 19____ at ______ o'clock ______. M.

S. L. Koons

County Recorder

[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

State of Montana
Agricultural Experiment Station

1. Eastern Montana Branch Station
   (Name of Appropriator)
   (Address)

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. Irrigation of small experimental plots on dryland farm of experiment station, and for source of water for sprayers, etc.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Well completed in Jan., 1958. Use began in April, 1958. Well has been used intermittently during the Spring, Summer, and Fall months since that date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 12 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Water withdrawn by submersible pump operated by electricity. Pump house is located directly over site of well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Drilling of well started in December, 1957 and well was completed in January, 1958. Installation of pump was made in April, 1958 and water withdrawal was commenced at that time.

8. The depth of water table. Some water available from gravel layer at depth of 15 feet, and remainder from coal vein at 127 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. Well is cased with steel casing to full depth of 126 feet. Casing is 6 inches in diameter. Submersible pump located in bottom of well for pumping of water.

10. The estimated amount of groundwater withdrawn each year. 30,000 gallons per year

11. The log of formations encountered in the drilling of each well if available. From surface - 6 feet of soil, gravel from 6 feet to 15 feet, clay from 15 feet to 100 feet, coal from 100 feet to 135 feet, clay from 135 feet to 150 feet, coal from 150 feet to 197 feet, and clay from 197 feet to 135 feet.

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

MONTANA AGRICULTURAL EXPERIMENT STATION

Signature of Owner ___________

by J. A. Nelson, Director

Date February 9, 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.
STATE OF MONTANA,
County of Richland,

Filed this........day of
20.........A.D. 19..
3:2o......o'clock, P.M.

E. L. Kedlin
County Recorder

[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

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

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

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

Owner

Heidi K. Petersen
110 South Main Street
Sidney, Montana 59250

File Doc. #32795

Drilled Route

Filed on June 25, 1973 at 12:00 PM.
Heidi K. Petersen, Clerk

Date well started
March 24, 1973

Completed
April 8, 1973

Type of well Drilled
(Down, driven, bored or drilled)

Equipment used Cable tool
(Chis drill, rotary or other)

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☑

*Describe

USE: if used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition). Not so used

ESTIMATED ANNUAL WITHDRAWAL 175,000 gals.

Concessionary: None

Driller’s Signature
Ray J. Petersen

Driller’s Address
110 South Main Street
Sidney, Montana 59250 LICENSE NO. 111

County: Richland

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

Driller’s Signature Ray J. Petersen
Driller’s Address 110 South Main Street – Box 138

6 inch 96.00 ft. per ft.

Static water level 35 ft.
Pumping water level 45 ft.
at 43 gallons per minute, measured 30 minutes after pumping begun.

*Measured from ground level.
Well developed by drilling pump for 3 days. hours.
Power: 20 HP. Pump: 3 HP.
Remarks: Gravel packing, cementing packers, type of shutoff, etc.

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

Driller’s Signature Ray J. Petersen
Driller’s Address 110 South Main Street – Box 138

Show exact depth of bottom
Drilled depth 83.75 ft.
STATE OF MONTANA,
County of Richland,

Filed this 25th day of January A. D. 1973,
at 1:30 o'clock P. M.

Helen Sierka
County Recorder

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

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date Started: 1940  
Date Completed: 1940

Location: Sec. 3  
T. 23  
R. 58  
Ward

Type of well: Drilled  
Equipment used: Rotary

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: 20' feet at: gal. per min.

How tested: 

Length of test:

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

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

Log of Well

*Signature*

Date: 9-10-110

[Handwritten notes and signatures]
<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Max E. Leonard</td>
</tr>
<tr>
<td>Address</td>
<td>Butte, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Paul Matt</td>
</tr>
<tr>
<td>Address</td>
<td>Butte, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>1930</td>
</tr>
<tr>
<td>Date Completed</td>
<td>1930</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 3 T 23 R 58 s/4 ft. E 1 3/4</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Churn drill</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Water use</td>
<td>Municipal</td>
</tr>
<tr>
<td>Water use</td>
<td>Stock</td>
</tr>
<tr>
<td>Water use</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Water use</td>
<td>Stock</td>
</tr>
<tr>
<td>Water use</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Casing</td>
<td>6&quot; ft. to 90 ft.</td>
</tr>
<tr>
<td>Casing</td>
<td>Type: galvanized</td>
</tr>
<tr>
<td>Casing</td>
<td>Size: 1/2 &quot; pipe</td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>Perforated</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>Screened</td>
</tr>
<tr>
<td>Type of screen</td>
<td></td>
</tr>
<tr>
<td>Remark 1</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>170 feet at 1 gal. per min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Electric pump</td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA,
County of Richland,

Filed this 29 day of
Dec., A. D. 1961
at 2:10 o'clock P. M.

[Signature]
County Recorder

[Signature]
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Ola Higgenbotham, Beach Rd, Sidney

County of Richland State of Montana

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: Nov 8, 1962, until now.

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

5. If used for irrigation, 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:
   November 8, 1962

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:
   Well No. Drilled 6 and 8 in.

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner

Date: Dec. 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.
STATE OF MONTANA,
County of Richland,

On the 30th day of December, A.D. 1943,
at 11:15 a.m., a certain petition was filed in the Clerk's Office of the
County of Richland.

[Signature]
County Clerk

[Signature]
Deputy

Filed
DECLARATION OF VESTED GROUNDWATER RIGHTS

(State of Montana)
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. DUPLICATE

(Name of Appropriator)
(Address)
(Town)
County of_________________________  State of_________________________

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

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

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 available.

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.
STATE OF MONTANA
County of Richland,

Filed this ... day of

Dec. A. D. 1967,
at A.M.

[Signature]
County Recorder

[Signature]
Deputy
**RELEASE AGREEMENT**

KNOW ALL MEN BY THESE PRESENTS, that I, **D. R. Johnson**

of the County of Richland in the State of Montana, am the owner of the hereinafter described land upon which a well for oil or gas was drilled, to-wit:

Operator **PENNOIL UNITED, INC.**

Lease Name **JOHNSON**

Well No. Sec. ___, Twp. ___, Rgs. ___, Sec. MM/4

The well is located _____ feet N of the _______

line and _____ feet W of the _______ line.

That, in accordance with Regulation 233.6, Order No. 1-1, November 30, 1953, I do hereby notify the Oil and Gas Conservation Commission of the State of Montana of my desire to utilize said well as a fresh water well; and, that if such utilization is approved, I do hereby release and discharge the operator hereinabove named from any further work or responsibility in relation to the plugging of said well.

<table>
<thead>
<tr>
<th>Water Use:</th>
<th>Domestic ____</th>
<th>Municipal ____</th>
<th>Stock X</th>
<th>Other ____</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial ____</td>
<td>Drainage ____</td>
<td>Irrigation ____</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Producing Depth 70 - 80' Producing Formation

Yield of well 15 GPM Annual Withdrawal 200,000 GALLONS

WITNESS my hand and seal this 13 day of APR, 1979.

**D. R. Johnson**

Address: Landowner

SIDNEY, MONTANA

IN THE PRESENCE OF:

APPROVED BY:

Oil and Gas Conservation Commission

Herbert D. Hedges, Petroleum Geologist

Petroleum Engineer, Geologist, or Executive Secretary

Dated: APR 14, 1970
General Rules and Regulations
Order No. 1-1, Nov. 30, 1953
Regulation 233.6

WELLS USED FOR FRESH WATER

When the well to be plugged may safely be used as a fresh water well, and such utilization is desired by the landowner, the well need not be filled above the required sealing plug set below fresh water; provided, that written notification of such utilization is secured from the landowner and filed with the Commission. Approval by the Petroleum Engineer of the work done shall relieve the operator of further responsibility.
Water Conservation Board
Water Resources Engineer
Sam W. Mitchell Building
Helena, Montana 59601

Dear Sir:

Enclosed you will find a copy of a Release Agreement for the utilization of a fresh water well.

Operator: Pennzoil United, Inc.
Lease Name: Johnson
Location: Section 4, T23N, R58E, NW4

Yours very truly,

Norman J. Beaudry
Executive Secretary

Enclosure

cc: Mr. E. W. Vond
Bureau of Mines and Geology
Butte, Montana 59701
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

- **Owner:** Bronson School Dist. 11
- **Address:** Sidney, Mont.
- **Owner:** Roy J. Peterson
- **Address:** Sidney, Mont.

**Date of Notice of Appropriation of Groundwater**
- **Date well started:** June 19-62
- **Date completed:** 6-30-62

**Type of well:** Drilled
**Equipment Used:** Churn drill

**Water Use:** Domestic

---

### Site of Drilled Well

<table>
<thead>
<tr>
<th>Size of Drilled Hole (Feet)</th>
<th>Site of Weight of Casing (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch</td>
<td>10:50 a.m.</td>
<td>93</td>
</tr>
<tr>
<td>10:50 a.m.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Perforations**

- Ground 25 also 40
- Also 74 90

**Static Water Level for non-flowing Well**
- 25 feet

**Shut-in Pressure for Flowing Well**
- Not the Case

**Pumping Water Level**
- 82 feet

**Discharge in gal. per min. of flowing well**
- Not the Case

**Drill Bailey Length of Test**
- 15 hours

**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.

- Casing is gravel packed to pump pit floor. Well at Bronson school site.

- Driller's License Number: Raymond J. Peterson
- 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.
STATE OF MONTANA,
County of Richland,

Filed this 2d day of August, A. D. 19 _
at 11.30 o'clock A.M.

County Recorder

Deputy

278327
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Carl J. Dynan, of Sidney, Richland County, Montana,
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriator
2. The beneficial use on which the claim is based
   100 head cattle
3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1942, each yr.
since
4. The amount of groundwater claimed (in miner's inches, or gallons per minute): 100 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
   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
   well and pumped
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1942
8. The depth of water table: 100 ft.
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for withdrawal of groundwater
   clay sand stone and gravel
10. The estimated amount of groundwater withdrawn each year
11. The log of formations encountered in the drilling of each well if available
   clay sand stone and gravel
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
   don't know

Signature of Owner: Carl J. Dynan
Date: Dk 31/1966

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.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Kenneth Johnson</td>
</tr>
<tr>
<td>Address</td>
<td>Sidney</td>
</tr>
<tr>
<td>Driller</td>
<td>Andy Brocko</td>
</tr>
<tr>
<td>Address</td>
<td>Sidney</td>
</tr>
<tr>
<td>Date Started</td>
<td>7-25-24</td>
</tr>
<tr>
<td>Date Completed</td>
<td>7-25-29</td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>16 T. 23 R. 40 1/4 sec.</td>
</tr>
<tr>
<td>Type of Well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment Used</td>
<td>Churn</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Number</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
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<tr>
<td>Stock</td>
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<tr>
<td>Irrigation</td>
<td></td>
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<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>98 ft. to</td>
</tr>
<tr>
<td>Type</td>
<td>Iron</td>
</tr>
<tr>
<td>Size</td>
<td>6 in.</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>98 ft.</td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Cut with 3&quot;</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>1,200 ft.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>1,200 lb./sq. in. on:</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>700 feet at</td>
</tr>
<tr>
<td>Gal. per min.</td>
<td></td>
</tr>
<tr>
<td>How tested</td>
<td>Bore test</td>
</tr>
<tr>
<td>Length of test</td>
<td>94 ft.</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 25</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>25 - 90</td>
<td>Blue clay</td>
</tr>
<tr>
<td>90 - 98</td>
<td>Sand and Water Gelsaments</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)

1. Carl J. Dynneson 211 Ball 9 Sidney
  (Name of Appropriator) (Address) (Town)
  County of Richland State of Montana
  have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: watering cattle and other farm animals.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1931 - 1962.

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

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: irrigated garden 10 acres.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1930.

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: 2 ft. hole 50 ft. deep 1 1/2 in. well.

10. The estimated amount of groundwater withdrawn each year: 200,000.

11. The log of formations encountered in the drilling of each well if available: Clay, sand, stone and gravel.

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

Signature of Owner: Carl J. Dynneson
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 Appropriator.
STATE OF MONTANA,
County of ______._

Filed this Day of December, A.D. 19__.
at __:__ A.M.,

__ L__. __________
County Recorder

__ L__. __________
Deputy

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

1. Carl J. Persson, of 301, 8th St. Lidell

County of Richland
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: Water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1956, and

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1956.

8. The depth of water table: 24 ft.

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

10. The estimated amount of groundwater withdrawn each year: 210, 120 gpd.

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, Carl J. Persson
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 Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of appropriation of groundwater: Sept. 16, 1968

Date well started: Sept. 7-68

Date well completed: Sept. 11-68

Type of well: Cable Tool

Equipment used: (Aug., driven, bored or drilled)

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.

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 will is for Industrial use in a shoe and leather products plant.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

Driller's Name: Ray J. Petersen, Sidney, Mont.

Date of Notice of completion of groundwater use: Oct. 10-68
Date well started: Sept. 12-68
Date completed: Sept. 26-68

Type of well: Drilled (Drill, bored or drilled) Equipment used: DTH Tool

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 Description</th>
<th>Datum</th>
<th>Weight of Water</th>
<th>Kind of Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 in. 6&quot; D.</td>
<td>1/2 ft.</td>
<td>164</td>
<td>Ground</td>
</tr>
<tr>
<td>10.50 ft. per ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 80 feet.
Shut-in Pressure for flowing well 1000 feet.
Pumping Water Level 140 feet at 80 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: Drill test
Length of Test: 15 ft.
Remarks: (Gravel packing, cementing, packing, type of shut-off, etc.) How installed in last well for protection.

Driller's Name: Ray J. Petersen
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, tissue copy to be retained by driller.

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

File No. _______________

NE'4 of N.W. 1/4 Sec. 13, T. 23 N., R. 58 E.

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

5 feet gravel pack

(Continue on reverse side)

This well is for industrial use in a steel rod products plant.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. _____ Name of Appropriator
   Address
   Town
   County of
   State of

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.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of Appropriation of Groundwater

Date Well Started: June 9-62
Date Completed: June 10-62

Date and Place of Use of Groundwater

Type of Well: Drilled
Equipment Used: churn drill
(dug, driven, bored or drilled)

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

Indicate 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>Site of Drilled Well</th>
<th>Size and Weight of Pipe (Feet)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 15 feet

Shut-in Pressure for Flowing Well: not the case

Pumping Water Level: 48 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well: not the case

How Tested: Drill Field Length of Test: Drilling time

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.
STATE OF MONTANA, 
County of Richland, 

Filed this 23 day of August, A.D. 1922 

[Signature] 
County Recorder 

[Signature] 
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Mrs. I.C. W. Rasmussen
102 7th Ave. S. S., Sidney, Montana
(Address)

County of Richland State of Montana

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

2. The beneficial use on which the claim is based.
   Not being used at present

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1951 until approximately 1957

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

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.
   None at present time

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. 40 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.
   Bored well, 24" and feet deep

10. The estimated amount of groundwater withdrawn each year. Not being used

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 this policy of this act, including reference to book and page of any county record.

Signature of Owner. I.C. W. Rasmussen
Date. December 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.

1967
STATE OF MONTANA,
County of Richland,

Filed the___________ day of
December_________ A. D. 1963,
at 11:45____ o'clock A.M.

C.R. Hopper
County Recorder
Deputy

Filed 2/8/63
Filed
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Mrs.

1. C. W. Rasmussen
   of 502 7th Ave. S., W., Sidney, Montana
   (Name of Appropriator) (Address) (Town)

   County of Richland, 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.

      Households use and livestock feeding

   3. Date or approximate date of earliest beneficial use; and how continuously the use has been
      continuously since 1
      1963

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 30 gallons a minute

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      1935 completed, 1967 new curbing, 1951 electric pump put in

   8. The depth of water table 22 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
      Boree well, 24' and 25' feet deep

   10. The estimated amount of groundwater withdrawn each year 183,500 gallons per year

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

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

   Signature of Owner C. W. Rasmussen
   Date December 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.

1864
STATE OF MONTANA,
County of Richland,

Filed this 26th day of
December, A.D. 1963.
at 11:45 o'clock, o'clock, A.M.

E. B. Jackson
County Recorder

E. Lock
Deputy

fee $2.00
filed