# Groundwater Index

**County:** Ricke

**Twp.** 27N **Rge.** 5E

<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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### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**State of Montana**

**Administrator of Groundwater Code**

**Office of State Engineer**

#### Declaration

1. C.G. Glasscock & Geraldine Glasscock, of P.O. Box 419, Miles City, 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...

   - Vatering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. **Has been used continuously since 1912.**

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

   - 8 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...

   - No irrigation

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

   - No information known

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

   - 1912

8. The depth of water table...

   - Unknown

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...

   - 60 foot deep well with 6" casing

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 The estimated amount of groundwater withdrawn each year...

    - Unknown, but pumps 8 gallons per minute

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

    - No other information 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...

   - No other information known

---

**Signature of Owner**

**Signature of Owner**

**Date:** 27, 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 Appropirator.
STATE OF MONTANA,
County of Richland,

Filed this ______ day of December, A.D. 19____.
[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

[Signature]

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

1. C.G. Glasscock & Geraldine Glasscock
   (Name of Appropriator)
   P.O. Box 419
   Miles City, Montana
   (Address)

   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:
   Used in dwelling:

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

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 thereof:
   No Irrigation:

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

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

8. The depth of water table:
   Unknown:

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:
   110 foot deep well with 6” casing:

10. The estimated amount of groundwater withdrawn each year:
   Unknown, but pumps 6 gallons per minute:

11. The log of formations encountered in the drilling of each well if available:
   Appropriator knows of no log formations, as well was drilled before present owner purchased land:

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:
   No other information known:

   Signature of Owner:
   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...... 17...... day of

.... 12:00...... A. D. 19

E. L. Kander
S. Sullivan

[Signature]

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

Owner: C. G. Sh辽ruck, Great Falls, Mont.

Driller: Roy J. Peterson, Sidney, Mont.

Date of Notice of Appropriation of Groundwater: November 14, 1962

Date well started: Nov 12 - Date Completed: 11/13/62

Type of well: Drilled - Equipment Used: Churn drill

(fog, driven, bored or drilled)

Water Use: Domestic □ Municipal □ Other □ Irrigation □

Industrial □ Drainage □ Stock □

Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

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

- Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Perforations</th>
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<tbody>
<tr>
<td>8 inch</td>
<td>6 inch</td>
<td></td>
</tr>
<tr>
<td>10 3/4 inch</td>
<td>45 ft</td>
<td>67</td>
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</tbody>
</table>

Static Water Level for non-flowing Well: 35 feet

Pumping Water Level: 67 feet at 8 gal. per minute.

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

How Tested: Drill balance

Length of Test: 12 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) Drilled and cemented at top for support & sanitation.

Driller's License Number: 111

Driller's Signature: Raymond J. Peterson

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 19 day of June 1923.

I, the undersigned, Elmer H. Smith,
County Recorder,

Do hereby certify that the above is true.

Elmer H. Smith
County Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. C. C. Glasscock
   (Name of Appropriator)
   Culbertson
   (Address)
   (Town)
   County of Richland, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is storing livestock.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed.

4. The annual period (inclusive dates) of intended use January 1 through December 31.

5. The probable or intended date of first beneficial use November 14, 1962.

6. The probable or intended date of commencement and completion of the well or wells

7. The location, type, size and depth of well or wells contemplated Drilled well, 8" hole, 6" casing, 77 feet deep.

8. The probable or estimated depth of the water table or artesian aquifer 77 feet.

9. Name, address and license number of the driller engaged, E. S. Petersen, Sidney, Montana, License No. 111.

10. Give such other similar information as may be useful in carrying out the policy of this act.
    No other information known.

   As defined in the Code Sec. 1 (e) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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 17th day of December, A. D., 1967
at 4:00 o'clock P. M.

C. C. Kroeker
County Recorder

Filed

filed

filed

filed
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

C.G. Glasscock and Geraldine Glasscock

County of Miles City, State of Montana

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: Watering livestock and used in dwelling.

2. Date or approximate date of earliest beneficial use, and how continuous the use has been: Has been used continuously since 1922.

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 1 gallon per minute.

4. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof: No irrigation.

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1922.

7. The depth of water table: Unknown.

8. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 400 foot deep artesian well with 1 1/2" casing.

9. The estimated amount of groundwater withdrawn each year: Unknown, but flows 1 gallon per minute.

10. The log of formations encountered in the drilling of each well if available: Appropriate knows of no log formations, as well was drilled before present owner purchased land.

11. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: No other information known.

Signature of Owner: [Signature]

Date: October 4, 1962.

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

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

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

Filed this 17th day of June, A.D. 1964
at 4:10 o'clock, P.M.

L. D. Hooper
County Clerk

Filed this 20th day of June, 1964
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. C. G. Glasscock and Geraldine Glasscock, of P. O. Box 419, Miles City, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Has been used continuously since before 1922

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 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: No irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Prior to 1922

8. The depth of water table: Unknown

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: 67 foot deep well with 5" casing

10. The estimated amount of groundwater withdrawn each year: Unknown, but pumps 2 gallons per minute

11. The log of formations encountered in the drilling of each well if available: Appropriator knows of no log formations, as well was drilled before present owner purchased land.

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: No other information known.

Signature of Owner

Date: November 21, 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.

Plaintiff

Defendant

Estate of

1976th day of

Dec. A.D. 1952

at

H:20

A.M.

C. L. Kocker

County Recorder

R. Atkinson

Deed: 200

Filed
## WATER WELL LOG

### Owner
- **Name:** Duncan, Manuel
- **Address:** Sidney

### Driller
- **Name:** Andy Monte
- **Address:** Sidney

### Date
- **Date Started:** Jun 21
- **Date Completed:** 30-59

### Location
- **Sec:** 22
- **Twp:** 27 N
- **Rge:** 59 E
- **County:** Richland

### Type of Well
- **Type:** Drilled

### Equipment Used
- **Type:** Churn

### Water Use
- **Type:** Stock

### Casing
- **Size:** 6 in.
- **Type:** SD
- **Length:** 53 ft.

### Perforated or Screened
- **Length:** 45 ft.
- **Type:** Cutting

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

### Shut-In Pressure, for flowing well:
- **Height:** lb/sq. in.
- **Date:**

### Pumping Water Level
- **Height:** 26 feet
- **Flow:** 15 gal. per min.

### How tested:
- **Method:** Back

### Length of Test
- **Duration:** 2

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

**County:** Richland  
**Twp.:** 37N  
**Rge.:** 59

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### Log of Well

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dated 8/3/65

signed

Q. W. E.  
C. W. E.  
A. W. E.  
D. W. E.
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<td>Churn drill</td>
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<tr>
<td>Casing: ft. to ft.</td>
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</tbody>
</table>

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

Static Water level, for non-flowing well: 35 feet.

Shut-in pressure, for flowing well: 35 lb/sq. in. on: (date)

Pumping water level: 45 feet at 8 gal. per min.

How tested: (gravity)

Length of test: HT

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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<tbody>
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<td>0 52</td>
<td>Sand</td>
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<tr>
<td>52 60</td>
<td>Sand-gravel-sand</td>
</tr>
<tr>
<td>60 70</td>
<td>Gray shale</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

The undersigned, of [Address] in the Town of [Town], in the County of [County], State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriator: [Name of Appropriator]

2. County: [County]

3. The beneficial use on which the claim is based: [Beneficial Use]

4. Date or approximate date of earliest beneficial use; and how continuous the use has been: [Date of Earliest Beneficial Use]

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

6. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: [Irrigation Details]

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

8. The depth of water table: [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 Specifications]

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

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

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: [Additional Information]

Signature of Owner: [Signature]

Date: [Date]

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

1. Sarah Woods, of Richland, Richland County, 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: Drilling water

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1916-1963

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

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: 70 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled water - rich casing 212 ft deep

10. The estimated amount of groundwater withdrawn each year: 18,250,000 gallons

11. The log of formations encountered in the drilling of each well, if available: 
Top soil, sand, or the base of the water table

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: Sarah Woods
Date: Sept. 4, 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 Appropnator.
STATE OF MONTANA:
County of Richland,

Filed this 4th day of Sept., A.D. 19--.

at 2:47 o'clock. M.

B. L. Hooper
County Recorder

---

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

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

1. Frank J. Macelitik, 3924 Pajowl
   (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

   3. Date or approximate date of earliest beneficial use: 1950
   and how continuous the use has been: All the time

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7 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: Frank J. Macelitik
   Date: 8/30/1963

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.
28658
Foor
Dec

Rec: 200

fimled
File No. .................................

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Frank J. Maroti, of Soc. 692, Seton
   (Name of Appropriator) (Address)

   County of Flathead 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 1910

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 7 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 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. Th. 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 31st day of December, A.D. 1913,
at 12:47 o'clock, M.M.

E. L. Rader
County &c.c.

R. Atchison

No: 200
Filed
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. William J. Haas, of Bozeman, Big Horn County.
   Address: (Address)
   Town: Bozeman
   County of Big Horn
   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:annotate.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 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: 1,825,000 gallons.

11. The log of formations encountered in the drilling of each well if available: For his records at the time of the lower shelf.

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: William J. Haas
Date: September 14, 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 the day of

A. D. 1962

at 2:45 o'clock P.M.

County Recorder

See: 200

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

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

1. William Voorhees Jr., of P.P. Popham
   (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: Livestock

   3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1918 to present

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1918 Finished 1918

   8. The depth of water table: 200 FT

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled 280 FT 5 Inch casing

   10. The estimated amount of groundwater withdrawn each year: 7,650,000 gallons

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

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

   Signature of Owner: Wm Voorhees Jr.
   Date: 19-31-63

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

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

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

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

By

County Recorder

Filed 20c.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

LEONARD W. ALEXANDER and ELEANOR E. ALEXANDER
(Name of Appropriator) Husband and Wife
(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:

1. The beneficial use on which the claim is based

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

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

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

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

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

7. The depth of water table

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

9. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner
Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
### 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>Leonard Alexander</td>
</tr>
<tr>
<td>Address</td>
<td>Wolf Point, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>A &amp; P Drilling Co.</td>
</tr>
<tr>
<td>Address</td>
<td>Socorro, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>1/27/58</td>
</tr>
<tr>
<td>Date Completed</td>
<td>2/4/58</td>
</tr>
<tr>
<td>Location: Sec</td>
<td>T</td>
</tr>
<tr>
<td>R</td>
<td>1/4 sec</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Cable tool drilling machine</td>
</tr>
<tr>
<td>Water use: Domestic</td>
<td>Municipal</td>
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<tr>
<td>Industrial</td>
<td>Drainage</td>
</tr>
<tr>
<td>Casing: 0 ft to 270 ft</td>
<td>Type: steel, tar coated 6&quot;</td>
</tr>
<tr>
<td>Casing: ft to ft</td>
<td>Type: Size</td>
</tr>
<tr>
<td>Casing: ft to ft</td>
<td>Type: Size</td>
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<tr>
<td>Perforated or Screened: Ft none to Ft</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
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</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
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</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>lb/sq. in. on (date)</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>feet at 5 gal. per min</td>
</tr>
<tr>
<td>How tested</td>
<td>bailer</td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>From</td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
</tr>
<tr>
<td>0-18</td>
<td>Brown clay</td>
</tr>
<tr>
<td>18-64</td>
<td>Sandy gray shale</td>
</tr>
<tr>
<td>64-103</td>
<td>Dark gray shale</td>
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<tr>
<td>103-108</td>
<td>Coal</td>
</tr>
<tr>
<td>108-117</td>
<td>Light gray shale</td>
</tr>
<tr>
<td>117-136</td>
<td>Bentonite</td>
</tr>
<tr>
<td>136-186</td>
<td>Sandy gray shale</td>
</tr>
<tr>
<td>186-223</td>
<td>Gray shale</td>
</tr>
<tr>
<td>223-240</td>
<td>Sandy gray shale</td>
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<tr>
<td>240-262</td>
<td>Gray shale</td>
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<tr>
<td>262-265</td>
<td>Gray sand</td>
</tr>
<tr>
<td>265-272</td>
<td>Sandstone</td>
</tr>
<tr>
<td>272-284</td>
<td>Sand</td>
</tr>
<tr>
<td>284-289</td>
<td>Sandstone</td>
</tr>
<tr>
<td>289-298</td>
<td>Sand</td>
</tr>
<tr>
<td>298</td>
<td>Total depth</td>
</tr>
</tbody>
</table>
File No. T. 268 R. 518

County RICHLAND

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VOICEED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Sections Laws 1951)

STATE ENGINEER

1. Shell Oil Company of P. O. Box 2547
   Billings (Name of Appropriator) (Address) (Town)

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

2. The beneficial use on which the claim is based
   Supply water for oil well drilling

3. Date of appropriation or of earliest beneficial use; and how continuous the use has been June 1952

4. The amount of ground water claimed (in miner's inches or gallons per minute) 20 gal/min

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

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

7. The date of commencement and conclusion of the construction of the well, wells or other works for withdrawal of ground water. Started May 1952. Comp, May 1952

8. The depth of water table 300'

9. So far as it may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater.
   2nd hole to 622 ft 6-5/8 sq. ft at 622' Perfe 358-402' Pump depth 386'

10. The estimated amount of ground water withdrawn each year.

11. The log of formations encountered in the drilling of each well if available.
   Fox Hills Sand 390' Bear Paw shale 450'

12. Such other information of a similar nature as may be useful in carrying out the policy of this act indicating reference to book and page of any county record.
   This well used for drilling one well only.

Signature of owner

Date February 5, 1962

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

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

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

County of Yellowstone ss

A. T. Ireson, having first been duly sworn, deposes

and says that he is of lawful age and is the appropriator

for Shell Oil Co., and claimant of the order and water right mentioned

in the foregoing declaration of vested groundwater rights and the person

whose name is subscribed thereto, as the appropriate person

and claimant, that he knows that the contents of said foregoing notice and that the matters and things therein stated

as true.

Subscribed and sworn to before me, this 5th day of February 1968

Margaret W. Lea

Notary Public for the State of Montana

Residing at Billings, Montana

My Commission expires March 30, 1968
## WATER WELL LOG

### Owner
- SHELL OIL COMPANY
- Address: BILLINGS, MONTANA

### Driller
- Address: BILLINGS, MONTANA

### Date Started
- May 1952

### Date Completed
- May 1952

### Location
- Sec. 26, T. 26 N., R. 51 W. 1/4 sec. Northwest

### Type of well
- Drilled

### Equipment used
- Churn drill

### Water use
- Domestic
- Municipal
- Stock
- Irrigation

### Industrial
- Drainage

### Casing
- Size: 6-5/8"

### Perforated or Screened
- Torch perforated

### 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.

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

### Remarks
- Larvin packer at 211:

### Salinity
- 1,110 ppm

### Received
- 1-25-59

### STATE ENGINEER

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 340</td>
<td>Top Fox Hills sand</td>
</tr>
<tr>
<td>To 488</td>
<td>Top Bear Paw shale</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. Victor Strommer, of Poplar, State of Montana
   County of Richland have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1915.

   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 thereof: None.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Cylinder pump, NE 1/4 Sec. 30, Twp. 26, Rge. 51 E.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1915.

   8. The depth of water table: 15 feet.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   Drilled well with 6 inch steel casing 20 foot depth.

   10. The estimated amount of groundwater withdrawn each year: 1,825,000.

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

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

Signature of Owner: VICTOR STROMMER
Date: December 16, 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.
STATE OF MONTANA
County of Richland

Filed this 2021 day of December, A.D. 1963.

[Signature]

Deputy

[Stamp] filed

[Stamp] filed
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Victor Strommer ..........................................., of ........................................, Montana

   (Name of Appropriator) ........................................, (Address) ........................................, Montana

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

   Household, livestock and garden ........................................

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been ........................................ 1. The beneficial use on which the claim is based ........................................

   July, 1958 - continuous ........................................

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) ........................................ 35 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 ........................................ garden plot only ........................................

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

   W. Sec. 30, Twp. 26. N. Rge. 51 E. ........................................

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ........................................ July, 1958 ........................................

   8. The depth of water table ........................................ 268 feet ........................................

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

   Drilled well with 2 inch steel casing 311 foot depth ........................................

   10. The estimated amount of groundwater withdrawn each year ........................................ 152,500 gallons ........................................

   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 previously recorded ........................................

   Signature of Owner ........................................ VICTOR STROMMER ........................................

   Date ........................................ December 18, 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,

File this 28th day of
December, 1963,
at 10:30 o'clock A.M.

C. L. Koster
County Clerk

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

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

STATE ENGINEER

I. Victor Strommer (Name of Appropriator) of Poplar (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 household, livestock and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been October, 1940 - continuous

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 thereof None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater October, 1940

8. The depth of water table 12 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater Drilled well with 12 inch clay pipe casing 28 foot depth

10. The estimated amount of groundwater withdrawn each year 1,825,000

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

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

Signature of Owner VICTOR STROMMER
Date December 18, 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 20th day of December, A.D. 1963,
at 9:30 o'clock A.M.

L. F. Goeden
County Clerk

Deputy

[Signature]

[Signature]

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

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

Name of Approprietor: William Voorhees, Jr., R.R. 1, Poplar
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: Livestock

3. Date of approximate date of earliest beneficial use and how continuous the use has been: 1955 to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 18 gallons per minute

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

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

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

8. The depth of water table: 200 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled 200 ft. Sings. casing

10. The estimated amount of groundwater withdrawn each year: 4,000,000 gallons

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

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

Signature of Owner: William Voorhees, Jr.
Date: 12-31-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Approprietor.
STATE OF MONTANA, \nCounty of Richland, \n
File this 31st Day of December, A.D. 1963. \n
[Signature] \n[Title] \n[Deputy]

Filed 12/20/62
### 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)

- **Name of Appropriator:** William Voorhees, Jr.  
- **Address:**  
- **Town:**  
- **County:** Richland  
- **State:** Montana

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

<table>
<thead>
<tr>
<th><strong>2. The beneficial use on which the claim is based</strong></th>
<th>Livestock</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3. Date or approximate date of earliest beneficial use and how continuous the use has been:</strong></td>
<td>1960 to date</td>
</tr>
<tr>
<td><strong>4. The amount of groundwater claimed (in miner’s inches or gallons per minute)</strong></td>
<td>10 gallons per minute</td>
</tr>
<tr>
<td><strong>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</strong></td>
<td>Not used</td>
</tr>
<tr>
<td><strong>6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal</strong></td>
<td>Gasoline Motor</td>
</tr>
<tr>
<td><strong>7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater</strong></td>
<td>1960 Done 1960</td>
</tr>
<tr>
<td><strong>8. The depth of water table</strong></td>
<td>100</td>
</tr>
<tr>
<td><strong>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</strong></td>
<td>Drilled 150 ft Cased Linch</td>
</tr>
<tr>
<td><strong>10. The estimated amount of groundwater withdrawn each year</strong></td>
<td>300,000 gallons</td>
</tr>
<tr>
<td><strong>11. The log of formations encountered in the drilling of each well if available</strong></td>
<td>Not available</td>
</tr>
<tr>
<td><strong>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</strong></td>
<td>None</td>
</tr>
</tbody>
</table>

**Signature of Owner:** William Voorhees, Jr.  
**Date:** 12-31-66

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable so state; otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

Frank Kindefer, of Darby 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:
   Domestic, Household, & Gardening

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   Sept. 14, 1918; one daily

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   3 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:
   Gardens, etc.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   Sept. 18, 1948

8. The depth of water table:
   60 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   limited casing; complete depth 197 ft.

10. The estimated amount of groundwater withdrawn each year:
    2,100,000 gallons per

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

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: Frank Kindefer
Date: Dec. 20, 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, state otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Johnson Johnston, of Topper, (Name of Appropriator)
   Address: Ada (Address)
   Town: Richland (Town)
   County of Richland (County)
   State of Montana (State)

   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: 1956

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

   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: 102 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: 500,000 gals per year

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

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

   Signature of Owner: Johnson Johnston
   Date: 12/18/63

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

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

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

Filed this 18th day of
December A.D. 1963

3:30 p.m.

Geoffrey L. Kemper

S. P. T. Wells
Attorney

Subscribed,
File No. 

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. John A. Johnston, of Tupper, Black
   (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, 1963, as follows:

2. The beneficial use on which the claim is based

   Domestic water

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: John A. Johnston

Date: 12/16/63

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: John D. pow
Address: Flathead, Mont.

Driller: Delbert Whitman
Address: Florence, Mont.

Date of Notice of Appropriation of Groundwater

Date well started: Jan. 9, 1963
Date Completed: Feb. 23, 1963

Type of well: Drilled
Equipment Used: 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. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>6&quot;</td>
<td>3 3/4&quot;</td>
<td>3 3/4&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 22 feet.
Shut-in Pressure for Flowing Well: Does not flow.
Pumping Water Level: 2 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well: Does not flow.
How Tested: Bake.
Length of Test: 0 1/2 hr.

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

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

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

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

Filed this 22 day of 1967 A.D. at 10 o'clock A.M.

E. A. Kocher
R. Johnson

Fees: $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)

<table>
<thead>
<tr>
<th>Victor Strommer</th>
<th>Poplar</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name of Appropriator)</td>
<td>(Address)</td>
</tr>
<tr>
<td>State of Montana</td>
<td>(Town)</td>
</tr>
<tr>
<td>County of Richland</td>
<td></td>
</tr>
</tbody>
</table>

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

1. \[ \text{SW}_{\frac{1}{4}} \text{ Sec. 34 T. 26 R. 51} \]
   
   Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

2. The beneficial use on which the claim is based:
   - Household and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1914

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 thereof:
   - None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Cylinder pump
     - \[ \text{SW}_{\frac{1}{4}} \text{ Sec. 34 T. 26 R. 51} \]

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1914

8. The depth of water table: 28 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   - Drilled well with 5-inch steel casing, 42 foot depth

10. The estimated amount of groundwater withdrawn each year: 4,323,000 gallons

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 previously recorded

Signature of Owner: VICTOR STROMMER
Date: December 18, 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,

File this... day of
December... A.D. 19... at... block... M.

[Signature]
County Recorder

Deputy

fee 200
filed
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: [Date]

Owner: [Name]
Address: [Address]

Contractor (if any): [Name]
Address of Contractor: [Address]

Date Started: [Date]
Date Completed: [Date]

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

**Piped into Tank**

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.

- **Well in Top: 100 Head**
- **Cattle during Summer**: 3 months

Signature of Owner: [Name]
Date: [Date]

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

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

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

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