<table>
<thead>
<tr>
<th>Ser.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DAMM, FRANKS</td>
<td>WATER WELL</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>DAMM, FRANKS &amp; JUDITH</td>
<td>WATER WELL</td>
<td></td>
<td>SAME AS SEC. #1</td>
</tr>
</tbody>
</table>
**Water Well Log**

**Owner:**

**Address:**

**Driller:**

**Address:**

**Date Started:** Dec 3, 1955  
**Date Completed:** Dec 3, 1955

**Location:** Sec. 4  
**Township:** T. 5  
**Range:** R. 48

**Type of well:** Drilled

**Equipment used:** Drill

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

**Casing:**
- 30 ft. to
- 41 in.

**Type:** Casing
- 5 ft. to
- 6 in.

**Size:** Casing
- 7 ft. to
- 8 in.

**Type:** Casing
- 9 ft. to
- 10 in.

**Size:** Casing
- Perforated or screened:
- 10 ft. to
- 11 ft.

**Type of screen or perforations:**

**Static water level, for non-flowing well:** 14 feet

**Shut-in pressure, for flowing well:**

**Pumping water level:** 18 feet at 8 gal. per min.

**How tested:** Cased by Driller

**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 0</td>
<td>To 1</td>
</tr>
<tr>
<td>4</td>
<td>14</td>
</tr>
<tr>
<td>14</td>
<td>24</td>
</tr>
<tr>
<td>24</td>
<td>30</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

| Owner: Frank H. Hamm | Address: Miles City |
| Driller: George F. Ackins | Address: Miles City |
| Date Started: Sept 10, 1948 | Date Completed: Sept 23, 1948 |

Location: Sec. 2 T. 5 R. 48 4 1/4 sec. N. W. 1/4

| Type of well: drilled | Equipment used: drill |

Water use: Domestic [✓] Municipal [ ] Stock [✓] Irrigation [ ]

<table>
<thead>
<tr>
<th>Casing:</th>
<th>19 ft to 60 ft</th>
<th>Type: Steel</th>
<th>Size: 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>42 ft to 124 ft</td>
<td>Type: Steel</td>
<td>Size: 3</td>
</tr>
<tr>
<td>Casing:</td>
<td>46 ft to 140 ft</td>
<td>Type: Steel</td>
<td>Size: 3</td>
</tr>
</tbody>
</table>

Perforated or Screened: 19 ft to 60 ft

Type of screen or perforations:

Static Water level, for non-flowing well: 11 feet

Shut-in pressure, for flowing well: 60 lb/sq. in. on: (date)

Pumping water level: 23 feet at 10 gal. per min.

How tested: Drilled by driller

Length of test:

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

Cemented to shut off surface water

Material drilled through not available

(over)
<table>
<thead>
<tr>
<th><strong>Owner</strong></th>
<th><em>Frank C. Harmon</em></th>
<th><strong>Address</strong></th>
<th><em>Willow City</em></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Drilled by</strong></td>
<td><em>George F. Ackino</em></td>
<td><strong>Address</strong></td>
<td><em>Willow City</em></td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td><em>Sept 10, 1948</em></td>
<td><strong>Date Completed</strong></td>
<td><em>Sept 23, 1948</em></td>
</tr>
</tbody>
</table>

**Location:** Sec. 2, T. 5, R. 48, N, W. 1/4

<table>
<thead>
<tr>
<th><strong>Type of well</strong></th>
<th><strong>Equipment used</strong></th>
<th><strong>Water use</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td></td>
<td>Domestic □</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Municipal □</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stock □</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Irrigation □</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Industrial □</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drainage □</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other□</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Casing:</strong></th>
<th><strong>Type</strong></th>
<th><strong>Size</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>30 ft. to 12 ft.</td>
<td>Steel</td>
<td>6</td>
</tr>
<tr>
<td>12 ft. to 4 ft.</td>
<td>Steel</td>
<td>3</td>
</tr>
<tr>
<td>4 ft. to 1 ft.</td>
<td>Steel</td>
<td>2</td>
</tr>
</tbody>
</table>

**Perforated or Screened:** From ft. to ft. to ft. ft. to ft.

<table>
<thead>
<tr>
<th><strong>Type of screen or perforations</strong></th>
<th><strong>Static Water level, for non-flowing well:</strong></th>
<th><strong>Shut-in pressure, for flowing well:</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>11 feet</td>
<td>lb./sq. in. on: (date)</td>
</tr>
<tr>
<td></td>
<td>Pumping water level: 23 feet at 10 gal. per min.</td>
<td>How tested: boiled by driller</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Length of test:</td>
</tr>
<tr>
<td></td>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>

Cemented to shut off surface water
Material drilled through not available

(over)
Notice of Appropriation of Groundwater

1. Frank A. Smith, 123 Main St., Helena, MT 59601
   (Name of Appropriator)

County of Lewis...... 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 development and irrigation

   (describe lands to be benefited, if for irrigation)

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

   100 gal. per minute

4. The annual period (inclusive dates) of intended use

   June 25, 1961 - December 25, 1961

5. The probable or intended date of first beneficial use

   June 25, 1961

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

   May 1, 1961 - October 1, 1961

7. The location, type, size and depth of well or wells contemplated

   See form no. 18

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

   See form no. 18

9. Name, address and license number of the driller engaged

   See form no. 18

10. Give such other similar information as may be useful in carrying out the policy of this act

   As defined in the Code Sec. 1 (c) "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.

   

   Locate well or other means of development as accurately as possible on the plat.

   Signature of Appropriator: Frank A. Smith

   Date: June 25, 1961

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.
Notice of Appropriation of Groundwater

Under Chapter 237, Montana Session Laws 1961, the Administrator of Groundwater Code administers the office of State Engineer.

1. Frank A. Mill, 774 Senior Ave. (Name of Appropriator) (Address) (Town) County of Montana, 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: (describe lands to be benefited, if for irrigation)

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

4. The annual period (inclusive dates) of intended use: (describe period)

5. The probable or intended date of first beneficial use: __________________________

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

8. The probable or estimated depth of the water table or artesian aquifer: __________________________

9. Name, address and license number of the driller engaged: __________________________

10. Give such other similar information as may be useful in carrying out the policy of this act: __________________________

   I am appropriating all ground water on described property: Sec. 2, T. 5 S., R. 54 W. N., Sec. 4, T. 5 S., R. 54 W. N., Sec. 28, T. 5 S., R. 54 W. N., Sec. 36, T. 5 S., R. 54 W. N.

   1/4 Sec. T. R. Locate well or other means of development as accurately as possible on the plat.

Signature of Appropriator: Frank A. Mill

Date: Dec. 28, 1961.

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which ground water 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator) (Address) (Town)
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 min's inches or gallons per minute) .

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

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

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

8. The depth of water table .

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

10. The estimated amount of groundwater withdrawn each year .

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

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

Signature of Owner .

Date .

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

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

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

Butte, Montana

**Water Well Log**

<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>T. 5</th>
<th>F. 48</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Carter</td>
<td></td>
</tr>
</tbody>
</table>

**Owner:**

- S. Judah Hansen
- Address: Mile City

**Driller:**

- Floyd Trigg
- Address: Mile City

**Date Started:** April 12, 1955
**Date Completed:** April 27, 1955

**Location:** Sec. 4 T. 5 R. 48 W. 4

**Type of well:** Drilled

**Equipment used:** Drill

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

- **Casing:** 162 ft. to __________ ft. Type Steel Size 4 in
- **Casing:** __________ ft. to __________ ft. Type __________ Size __________
- **Casing:** __________ ft. to __________ ft. Type __________ Size __________

**Perforated or screened:** Ft. __________ to Ft. __________. Ft. __________ to Ft. __________

**Type of screen or perforations:**

- **Static water level, for non-flowing well:** 115 feet.
- **Shut-in pressure, for flowing well:** _______ lb./sq. in. on: ______ (psi)
- **Pumping water level:** 130 feet at 10 gal. per min.
- **How tested:** Failed by driller

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

(over)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Jack Dupree
   (Name of Appropriator)
   
   County 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) House and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: May 30, 1957 - Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3.0 

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: (1) Flowing; (2) Submersible pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 30, 1957 - Completed in 1 week.

8. The depth of water table: 175 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: (1) 742 ft. deep; 240 ft. casing.

10. The estimated amount of groundwater withdrawn each year: 400 gal.

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

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

Signature of Owner: Date: 1963

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

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

Original to the County Clerk 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)

Owner: John Smith
Address: 123 Main St., Miles City

Date of Notice of appropriation of groundwater: April 9, 1957

Date well started: April 15, 1957

Date completed: April 30, 1957

Type of well: Open

Equipment used: Drilled

Churn drill, rotary or other

Water use: Domestic

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.

Size of Hole and From

Weight of Center

Perforations

Static Water Level for non-flowing well feet.

Shut-in Pressure for Flowing Well feet.

Pumping Water Level feet.

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

How Tested

Length of Test

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

Compliments of

Driller's License Number

Driller's Signature

41,891

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, state, otherwise the form will be returned.
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropria.e

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

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

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner:

Date:

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropria.e.
**Declaration of Vested Groundwater Rights**

(Under Chapter 257, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator:</th>
<th>Jack Baas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>[Address]</td>
</tr>
<tr>
<td>County:</td>
<td>[County]</td>
</tr>
<tr>
<td>State:</td>
<td>Montana</td>
</tr>
</tbody>
</table>

They have appropriated groundwater according to the Montana law in effect prior to January 1, 1965, as follows:

<table>
<thead>
<tr>
<th>Item</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>The beneficial use on which the claim is based (Wetrice, stock water).</td>
</tr>
<tr>
<td>3.</td>
<td>Date or approximate date of earliest beneficial use, and how continuous the use has been (July 17, 1961, almost continuous).</td>
</tr>
<tr>
<td>4.</td>
<td>The amount of groundwater claimed (in miner's inches or gallons per minute): 10 gal/min.</td>
</tr>
<tr>
<td>5.</td>
<td>If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.</td>
</tr>
<tr>
<td>6.</td>
<td>The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.</td>
</tr>
</tbody>
</table>

- Submersible pump: 8 HP, 1.75 HP, 150 ft., 150 ft. |

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 17, 1961, completed in week 26-17. |

8. The depth of water table: 150 ft. |

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 8 HP, 150 ft.;另有150 ft.; |

10. The estimated amount of groundwater withdrawn each year: 2,600,000 gal.; 1,100,000 gal. |


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

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

[Form details filled in]

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

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

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

5. If used for irrigation, give the average 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 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 capacity of the well or the name and address of any other works for the withdrawal of groundwater.

10. The estimated amount of groundwater withdrawn each year.

11. The size of operations, if any, in the drilling of said well, if applicable.

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. 30-63

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

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

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

Under Chapter 277, Montana Session Laws, 1961:

Name of Appropriaire: Norman Woodard Miles City (Town)
County of: Curtis
State of: Montana

I have appropriated groundwater according to the Montana Code 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 and how continuous the use has been: 1921

4. The amount of groundwater claiming (in miner's inches or gallons per minute): 8 g. p. m.

5. If used for irrigation, give the average 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: 11/26/47

8. The depth of water table:

9. So far as it may be available, the type, strength, 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 lay of strata and geologic conditions encountered in the drilling of each well if available: 0-12 ft. sand, 13-3 ft. silt, 15-12 ft. granite

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: Norman Woodard
Date: Dec 30 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriaire.
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] (Name of Approprietor)
Wilsall, Miles City
County of
State of Montana

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

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

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

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

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

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

7. The date of commencement of operation 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 or means of withdrawal of groundwater: 

10. The estimated amount of groundwater withdrawn each year: 

11. The lose 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 Approprietor.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. George E. Johnson
   (Name of Appropriate)
   of Tongue River Stage Miles City
   (Town)
   County of Custer
   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 watering

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: June 1, 1958 continuous use during grazing season

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3000 gallons per day

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: gas engine and pump jack Sec. 32 T.5 N. R. 48

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: started April 15, 1958 completed June 1, 1958

8. The depth of water table: 100 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: water well 200' deep 8" casing 350' deep 24" of 24" casing inside of 4" using wooden rods and 24" working barrel

10. The estimated amount of groundwater withdrawn each year: 940,000 gallons

11. The log of formations encountered in the drilling of each well if available: 0-100' dry sand 100-280' gumbo 280-350' water sand

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.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Jack Swapp
Address: Longview, Miss.

Driller: Lloyd Higgins
Address: Miles City

Date of Notice of Appropriation of Groundwater: 

Date well started: 

Date Completed: 

Type of well: Drilled
Equipment Used: Rotary
(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>Header</th>
<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></td>
<td>5 7/8</td>
<td>G. lb.</td>
<td>0</td>
<td>995</td>
<td></td>
</tr>
<tr>
<td></td>
<td>4 1/10</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 181 feet.
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 170 feet at 7 gal. per minute.
Discharge in gal. per min. of flowing well: 
How Tested: Built & Air. Length of Test: 

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

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

Show exact depth of bottom.

Driller's License Number: 
Lloyd Higgins
Driller's Signature:

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>GLEESON BROTHERS</td>
<td>GW-7</td>
<td>8677</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Giesicke Brothers, a co-partnership, consisting of
Richard Giesicke & Ralph Giesicke of Box 221 Miles City
(Name of Appropriator)
Address
(Town)
County 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: Watering livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Has been used continuously for more than 10 years.

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. Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. More than 10 years prior to making this declaration, but exact date unknown.

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. Depth of well 112 feet.

10. The estimated amount of groundwater withdrawn each year. Unknown, but pumps 5 gallon per minute.

11. The log of formations encountered in the drilling of each well if available. 0-42 surface soil; 42-52 gravel; 52-60 sand; 60-62 hard rock; 62-70 sand; 70-94 blue shale; 94-110 hard rock; 110-blue shale.

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.

GIESICKE BROTHERS
Signature of Owner

Date February 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.
<table>
<thead>
<tr>
<th>No.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>GEISTEKE BROTHERS</td>
<td>CIV-2</td>
<td>18934</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>GEISTEKE BROTHERS</td>
<td>CIV-4</td>
<td>8664</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>GEISTEKE BROTHERS</td>
<td>CIV-4</td>
<td>8674</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>DAVID FRANK &amp; JUDITH</td>
<td>CIV-1</td>
<td>3002</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>DAVID FRANK &amp; JUDITH</td>
<td>WELLS</td>
<td>2872</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>DAVID FRANK &amp; JUDITH</td>
<td>WELLS</td>
<td>2872</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Revised Codes, 1961)

Giesecke Brothers, a co-partnership, consisting of Richard Giesecke and Ralph Giesecke,
Miles City, Montana

Driller: George F. Askin
Address: 1900 North Daly
Miles City, Montana

Date of Notice of appropriation of groundwater: January 11, 1966

Date well started: July 10, 1964
Date completed: July 15, 1964

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

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

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

<table>
<thead>
<tr>
<th>Strata</th>
<th>Depth (ft)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>Gravel</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Gumbo</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td>Sand</td>
<td>480</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 296 ft.

Shut-In Pressure for Flowing Well: Not Applicable

Pumping Water Level: Not applicable

Discharge in gal. per min. of flowing well: Not applicable

How Tested: Bailier test

Length of Test: 3 hrs.

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

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

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

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

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

Driller's License Number

Driller's Signature
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 23, Montana Session Laws, 1961)

Giesicker Brothers, a co-partnership, consisting of Richard Giesicker & Ralph Giesicker, of Box 221, Miles City, Montana

County of: Custer
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. The approximate date of earliest beneficial use: and how continuous the use has been: Has been used continuously for more than 10 years.

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 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: No irrigation.

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pump, jack and engine.

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: More than 10 years prior to making this declaration, but exact date unknown.

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: Well is believed to be approximately 800 feet deep, with 600 feet of pipe.

9. The estimated amount of groundwater withdrawn each year: Unknown, but pumps 30 gal. per minute when needed for household use and watering livestock.

10. 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 owners 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.

GIESICKER BROTHERS

Date: February 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Giesicke Brothers, a co-partnership, consisting of Richard Giesicke & Ralph Giesicke, of Box 221, Miles City, Montana.

County of Custer State of Montana

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: Has been used continuously for more than 10 years.

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 land 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.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: More than 10 years prior to making this declaration, but exact date unknown.

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: Depth of well 150 feet.

10. The estimated amount of groundwater withdrawn each year: Unknown, but pumps 5 gallon per minute.

11. The log of formations encountered in the drilling of each well if available: Appraiser knows of no log formations, as well was drilled before present owners 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.

GIESICKE BROTHERS
Signature of Owner: Richard W. Giesicke
Date: February 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 Appraiser.


Form No. 18
8-60

Montana Bureau of Mines and Geology
Butte, Montana

Water Well Log

Owner: Fred H. Pitts, Manna
Driller: George Adams

Date Started: Date Completed: 

Location: Sec. 28 T. 5 R. 50 W 1/2 sec. 5 W 4

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Drill</td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Casing: 160 ft. to ft. Type Size
Casing: ft. to ft. Type Size
Casing: ft. to ft. Type Size

Perforated or screened: Ft. to Ft. Ft. to Ft.

Type of screen or perforations:

Static water level, for non-flowing well: 90 feet.

Shut-in pressure, for flowing well: lb./sq. in.

Pumping water level 120 feet at 10 gal. per min.

Less tested: Drilled by Drillers

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

Dates & material of drilling not available

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

* Log of Well for County Clerk and Recorder*

At 14th St 8' Check 10th
Jan 4 1961

By: [Signature] County Clerk and Recorder Center County, 1961
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

| Location: Sec. 36 T. 5 R. 50 1 sec. N.E. 1/4 |

Type of well: Drilled

Equipment used: Drill

Water use: Domestic [] Municipal [] Stock [ ] Irrigation [ ]

Industrial [] Drainage [] Other []

Casing: 30 ft. to ft. Type Steel Size 6

Casing: 300 ft. to ft. Type Steel Size 4

Casing: ft. to ft. Type Size

Perforated or screened: Ft. _____ to ft. ________

Type of screen or perforations

Static water level, for non-flowing well: 150 feet.

Shut-in pressure, for flowing well: ________ lb./sq. in. on: _______

Pumping water level: 180 feet at 8 gal. per min.

How tested: Caused by Driller

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>0 - 13</td>
<td>Gravel</td>
</tr>
<tr>
<td>13 - 20</td>
<td>Fine sand</td>
</tr>
<tr>
<td>20 - 25</td>
<td>Gravel</td>
</tr>
<tr>
<td>25 - 26</td>
<td>Coal</td>
</tr>
<tr>
<td>26 - 27</td>
<td>Rock</td>
</tr>
<tr>
<td>27 - 30</td>
<td>Gravel</td>
</tr>
<tr>
<td>30 - 35</td>
<td>Gravel</td>
</tr>
<tr>
<td>35 - 40</td>
<td>Sand, gravel</td>
</tr>
<tr>
<td>40 - 105</td>
<td>Sand, gravel, coal</td>
</tr>
<tr>
<td>105 - 110</td>
<td>Coal</td>
</tr>
<tr>
<td>110 - 140</td>
<td>Clay</td>
</tr>
<tr>
<td>140 - 142</td>
<td>Rock</td>
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<tr>
<td>142 - 150</td>
<td>Coal</td>
</tr>
<tr>
<td>150 - 208</td>
<td>Shale</td>
</tr>
<tr>
<td>208 - 370</td>
<td>Rock</td>
</tr>
<tr>
<td>370 - 370</td>
<td>Water sand</td>
</tr>
<tr>
<td>Sec</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>-----</td>
<td>---------------------------</td>
</tr>
<tr>
<td>5</td>
<td>GIESICK, BROTHERS</td>
</tr>
<tr>
<td>5</td>
<td>GIESICK, BROTHERS</td>
</tr>
<tr>
<td>21</td>
<td>GIESICK, BROTHERS</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

STATE OF MONTANA
REFERENCES OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Giesecke Brothers, a co-partnership, consisting of Richard Giesecke and Ralph Giesecke
Address: Box 221
Miles City, Montana

Driller: George F. Askew
Address: 1900 North Daily
Miles City, Montana

Date of Notice of appropriation of groundwater: January 11, 1966

Date well started: July 10, 1964
Date completed: July 15, 1964

Type of well: Drilled
Equipment used: Rotary
(Churn Dril, Drilled or other)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6(\text{\prime})</td>
<td>4(\text{\prime})</td>
<td>0</td>
<td>416</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>11 lbs. to ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Static Water Level for non-flowing well
- Shut-in Pressure for Flowing Well
- Pumping Water Level

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

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

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

Please answer all questions. If not applicable, no state, otherwise the form will be returned.

County Clerk and Recorder

Driller’s License Number

Driller’s Signature
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Giesecke Brothers, a co-partnership consisting

Owners: Richard Giesecke, Address: Box 221, Miles City, Montana

and Ralph Giesecke, Address: 1900 North Daly, Miles City, Montana

Driller: George F. Askin, Address: 10th Street, Miles City, Montana

Date of Notice of appropriation of groundwater: January 11, 1966.

Date well started: July 10, 1964, Date completed: July 15, 1964

Type of well: Drilled, Equipment used: Rotary

(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>4&quot; casing</td>
<td>0</td>
<td>433</td>
</tr>
<tr>
<td>433</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 212 feet.

Shut-in Pressure for Flowing Well: 224 psi.

Pumping Water Level: 256 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well: Not applicable.

How Tested: Bailier Test.

Length of Test: 3 hrs.

Remarks: (Gravel packing, cementing, packers, type of shutoff): None.

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

(Continued on reverse side)

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

433

Show exact depth of bottom.

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

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

Driller's License Number

50

Driller's Signature
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Giesicke Brothers, a partnership, consisting of
Richard Giesicke & Ralph Giesicke, of Miles City, Miles City

County of Montana
State of Montana

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

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

2. The beneficial use for 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 for more than 10 years.

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

5. If used for irrigation, write 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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: More than 10 years prior to making this declaration, but exact date unknown.

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: Depth of well 360 feet.

10. The estimated amount of groundwater withdrawn each year: Unknown, but pumps 5 gallons per minute.

11. The log of formations encountered in the drilling of each well if available: Appraiser knows of no log formations, as well was drilled before present owners 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.

Giesicke Brothers

Signature of Appraiser: [Signature]

Date: February 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 quadriPLICATE for the Appraiser.
<table>
<thead>
<tr>
<th>Sec</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>22</td>
<td>KEMP, MARGARET B.</td>
<td>GW-4</td>
<td>21337</td>
<td></td>
</tr>
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<td>22</td>
<td>KEMP, MARGARET B.</td>
<td>GW-4</td>
<td>21337</td>
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<td>GW-4</td>
<td>11624</td>
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</tr>
<tr>
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<td>KEMP, MARGARET B.</td>
<td>GW-4</td>
<td>21492</td>
<td></td>
</tr>
<tr>
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<td>KEMP, MARGARET B.</td>
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**STATE WATER CONSERVATION BOARD**

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**Margaret Kemp**

(State of Appropriation)

Butte 722

(State of)

Missoula

(Town)

County of Custer

State of Montana

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

1. **Game of Appropriation**

2. The beneficial use on which the claim is based

   - **Stock Well**

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

   - Sept. 20, 1943

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

   - 10 g. p.m.

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

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

   - **Pump**

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

   - Sept. 10th, 1943

8. The depth of water table

   - 7 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

   - **40' 2'' casing**

   - **7 1/2'' perforation**

10. The estimated amount of groundwater withdrawn each year

   - **Continual use**

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

   - [Additional information]

**Signature of Owner**

[Signature]

Date: Oct. 9, 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.
FILED
At 3:10 O’Clock P.M.

County Clerk and Ex-Officio Recorder of
Custer County, Montana

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

Margaret Kemp

County of
State of

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

1. Appropriator: Margaret Kemp

2.受益使用的基础

3. 日期或大约日期及连续使用的日期

4. 地下水声称的数量（每分钟英尺或加仑）。10.9.1944

5. 如果用于灌溉，给出使用面积及描述的地块，将水应用于该地块及地块所有者的姓名

6. 从地面抽水的位置和方法

7. 开始和完成建设的日期

8. 水表深度

9. 有关每一口井的具体情况，包括但不限于井的深度和直径，以及任何其他用于抽取地下水的设施

10. 每年抽取地下水的估计量

11. 钻探过程中遇到的岩层

12. 其他可能有用的、类似性质的信息

Signature of Owner: Margaret Kemp

Date: Oct 9, 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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. MARGARET B. KEMP, of POWDERVILLE, STATE MILES CITY, Custer County, Montana, have appropriated groundwater according to the Montana law in effect prior to January 1, 1962, as follows:

<table>
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<th>Sec.</th>
<th>T8N</th>
<th>R52E</th>
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</table>

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: (1) 1943 - CONTINUOUS (2) 1945 - CONTINUOUS (3) 1946 - CONTINUOUS

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): (1) 15 GPM (2) 5 GPM (3) 5 GPM (4) 80 GPM

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

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 and completion of the construction of the well, wells, or other works for withdrawal of groundwater: NOT KNOWN

8. The depth of water table: (1) 5 FT (2) 30 FT (3) 30 FT (4) FLOWS

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: (1) 856 FT-CAST 4" (2) 225 FT-CAST 4" (3) 300 FT-CAST 4"

10. The estimated amount of groundwater withdrawn each year: ABOUT 300,000 GALLONS EACH WELL

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: MARGARET B. KEMP
Date: 2-27-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Margaret E. Kemp
   (Name of Appropriator)
   of POWDERWELL STATE MILK CITY
   (Name of Town)
   State of MONTANA
   (State)
   County of CUSTER
   (County)

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

2. The beneficial use to which the claim is based:
   (1) Household (2) Irrigation

3. Date or approximate dates of earliest beneficial use, and how continuous the use has been:
   (1) 1920 OR 30
   (2) 1920 OR 50

4. The amount of groundwater claimed (in million's inches or gallons per minute):
   (1) 5.0 GPM
   (2) 10.0 GPM

5. If used for irrigation, give the average 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:
   Flowing Wells

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

8. The depth of water table:
   Surface - FLOWS

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:
   (1) 250 FT - CA160 2
   (2) 350 FT

10. The estimated amount of groundwater withdrawn each year:
    300,000 EACH WELL

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: Margaret E. Kemp
Date: 12-27-63

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.