<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>1</td>
<td>Johnson, Warner D.</td>
<td>GW 4</td>
<td>124563</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Mean, Albert</td>
<td>GW 2</td>
<td>236789</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>County, Jack</td>
<td>VTH 3</td>
<td>183456</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Kasten, Paul</td>
<td>GW 2</td>
<td>234567</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Hampeich, John</td>
<td>GW 4</td>
<td>231209</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Kasten, Paul</td>
<td>GW 2</td>
<td>234567</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Mean, Paul</td>
<td>F 2</td>
<td>183456</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Mean, Paul, Co.</td>
<td>GW 4</td>
<td>234567</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Murphy, Philip</td>
<td>VTH 3</td>
<td>183456</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Warner D. Johnson of Brocken, Mont.
   (Address) (Town)
   County of McCloud 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, drinking water.

   3. Date or approximate date of earliest beneficial use: 1954 to present.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): never pumped dry.

   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:
      Gasoline Motor Pump

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1959.

   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:
      8-inch casing, 1/4-inch pipe, flow of 300 gallons per minute.

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 The estimated amount of groundwater withdrawn each year: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

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

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

   Signature of Owner: Warner D. Johnson
   Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
Doc. No. 127293

Water Well Log # 532

Warren D. Johnson

TO

The Public

State of Montana

County of Meade

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of January, 1964, A. D.,

At 8:23 A. M.

County Clerk

Fee: $2.00
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Albert Moore  
**Address:** Brockway

**Driller:** Edward Brost  
**Address:** Brockway

Date of Notice of Appropriation of Groundwater: ___________

Date of Notice of Appropriation of Groundwater: ___________

Date well started: ___________

Date well completed: ___________

Type of well: Drilled

Equipment Used: Drill

Water Use: Stock

1. 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.

2. Static Water Level for non-flowing Well: ___________ feet.


4. Pumping Water Level: ___________ feet at ___________ gal. per minute.

5. Discharge in gal. per min. of flowing well: ___________

6. Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information).

7. Number of acres irrigated, if used for irrigation: ___________

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

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

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

**Driller's License Number:** 46

**Driller's Signature:** Edward Brost

**File No.:** T. 17 R. 47 W. 67

**County:** McCone

**Top of Ground**

<table>
<thead>
<tr>
<th>Elev. above sea level</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Blue Clay</td>
<td></td>
</tr>
</tbody>
</table>

**Diagram:**

- Indicate location of well and place of use, if possible. Each small square represents 10 acres.
- Show exact depth of bottom.

**Perforations**

- Size of Drilled Hole: ___________
- Size and Weight of Collar: ___________
- From (Foot): ___________
- To (Foot): ___________

**Table:**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Collar</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>___________</td>
<td>___________</td>
<td>___________</td>
<td>___________</td>
</tr>
</tbody>
</table>

**Remarks:**

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

**Driller's License Number:** 46

**Driller's Signature:** Edward Brost

45,253
135291
WATER WELL LOG FILE #673

State of Montana
County of McCone
Office of Clerk and Recorder.
Filed this 20th day of
May, A.D. 1929
at 3:50 o'clock P.M.

[Signature]
Clerk and Recorder

By: [Signature]
Deputy
Fee $2.00
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Albert Mooe  Address: Broadway, Montana
Driller: J. C. Bond  Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 11/1/63
Date Completed: 11/2/63

Type of well: Drilled  Equipment Used: Cable

Water Use: Domestic  Municipal  Other  Irrigation

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

<table>
<thead>
<tr>
<th>Site of Drilled Hole</th>
<th>Size and Weight of Casings</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>5/8</td>
<td>7&quot; OD</td>
<td>1</td>
<td>39&quot;</td>
</tr>
<tr>
<td></td>
<td>4&quot;</td>
<td>18</td>
<td>62</td>
<td>5/16 54 62</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: raised 36 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 50 feet at 20 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: Baller  Length of Test: 3 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).

52 1/2 Sec. 4  T. 17 N.  R. 47
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom: 62 feet deep

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
126970

Water Well Log # 284

State of Montana
County of McCone

Office of Clerk and Recorder

Filed this _______ 13th ______ day of

December _______ A.D. 1969

at 3:05 p.m. A.D.

By

Clerk and Recorder

Pos.$12.60
**WATER WELL LOG**

**STATE ENGINEER**

**MONTANA BUREAU OF MINES AND GEOLOGY**

**Butte, Montana**

---

**Owner**: Jack County

**Address**: Broadway, Mont.

**Driller**: Johnson National Service

**Address**: Fergus, Mont.

**Date Started**: Apr 30 '61

**Date Completed**: May 9 '61

**Location**: Sec. 6 T. 17 R. 17 + sec. NWNE-sec 6

---

**Type of well**: Drilled

**Equipment used**: Cable-test

**Water use**: Domestic □ Municipal □ Stock □ Irrigation □

**Industrial □** Drainage □ Other □

**Casing**: 0 ft. to 151 ft. Type Std Size 6"

**Casing**: ft. to ft. Type □ Size □

**Casing**: ft. to ft. Type □ Size □

**Perforated or Screened**: Ft. 106 to ft. 128. Ft. 140 to ft. 151

**Type of screen or perforations**: —

**Static Water level, for non-flowing well**: 106' feet.

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

**Pumping water level**: 110 feet at 3 gal. per min.

**How tested**: Bail & Pump test

**Length of test**: 4 days

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>35'</td>
<td>Yellow loam</td>
<td></td>
</tr>
<tr>
<td>35'</td>
<td>52'</td>
<td>Shale - yellow</td>
<td></td>
</tr>
<tr>
<td>52'</td>
<td>82'</td>
<td>Blue shale</td>
<td></td>
</tr>
<tr>
<td>82'</td>
<td>96'</td>
<td>Coal</td>
<td></td>
</tr>
<tr>
<td>86'</td>
<td>98'</td>
<td>Gray dolomite</td>
<td></td>
</tr>
<tr>
<td>98'</td>
<td>101'</td>
<td>Rock, V</td>
<td></td>
</tr>
<tr>
<td>101'</td>
<td>108'</td>
<td>Fine - sandstone</td>
<td></td>
</tr>
<tr>
<td>108'</td>
<td>108'</td>
<td>Small, gray water</td>
<td></td>
</tr>
<tr>
<td>108'</td>
<td>120'</td>
<td>Gray shale V</td>
<td></td>
</tr>
<tr>
<td>120'</td>
<td>128'</td>
<td>Gray water</td>
<td></td>
</tr>
<tr>
<td>128'</td>
<td>151'</td>
<td>Gray sandy shale</td>
<td></td>
</tr>
</tbody>
</table>

END
Notice of Completion of Groundwater Appropriation by Means of Well

Under Chapter 237, Montana Session Laws, 1961

Owner: Paul Kostan

Address: Circle, Mont.

Driller: Edward Bros

Address: Brochu, Mont.

Date of Notice of Appropriation of Groundwater:

Date well started: Apr. 22

Date Completed: May 1

Type of well: Drilled

Equipment Used: Drill

(Churn, drill, rotary or other)

Water Use: Domestic □ Municipal □ Other □ Irrigation □

Industrial □ Drainage □ Stock

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

**Static Water Level for non-flowing Well:** 51 feet

**Shut-in Pressure for Flowing Well:** NA

**Pumping Water Level:** 6 feet at 6 gal. per minute.

**Discharge in gal. per min. of flowing well:** NA

**How Tested:** Baler

**Length of Test:**

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

Driller's License Number

Driller's Signature

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

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

Original to County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
WATER WELL LOG #675

State of Montana
County of

Of and Clerk and Recorder.
Filed on the 15th day of June A.D. 1989 at 8:50 o'clock A.M.

Maria Brennan
Clerk and Recorder

Notary Public

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

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

File No. 430

STATE ENGINEER

Rockway

County of

The town State of

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1910, daily

4. The amount of groundwater claimed (in inches on gallons per minute): Not applicable

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 applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Not applicable

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 1910, June 1910

8. The depth of water table: 18 feet

9. If 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: Not applicable

10. The estimated amount of groundwater withdrawn each year: About 100 gal daily

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

Signature of Owner: Jake Hummerich

Date: 13 Jan 31, 1964

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approporator.
JANE HUGHERICH

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 11:32 o'clock p.m.

[Signature]

COUNTY CLERK

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

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

Gale Dinnmerich
(Name of Appropriator)

of
(Address)

Brockway
(Town)

County of
State of

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

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

2 outdoor irrigation garden

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

1945—daily for lawn, field, and garden. As summer

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

Not applicable

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

Not applicable

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

Pump and gas engine

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—

26 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—

Witch well casing 86 feet deep

10. The estimated amount of groundwater withdrawn each year—

5000 gal

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

Sand and 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—

Mont

Signature of Owner—Gale Dinnmerich

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 Appropriator.
WATER WELL LOG FILE NO. 429

JAKE HUMMERICH

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 1:31 o'clock p.m.

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

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

Owner: Paul Kasten
Address: Breakway, Mont.

Driller: Edward East
Address: Breakway, Mont.

Date of Notice of Appropriation of Groundwater: May 28, 1969
Date well started: June 12, 1969

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 Cable</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>4&quot;</td>
<td>42'</td>
<td>12'</td>
<td>26'</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 15 feet.
Shut-in Pressure for Flowing Well: 28 feet at 2 gal. per minute.

Pumping Water Level: 28' feet at 12 gal. per minute.
Discharge in gal. per min. of flowing well: 40 gallons.

How Tested: Balanced Length of Test: 12'
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. The casing...are driven in the well.

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.

45, 331
Water Well Log #674
State of Montana
County of McCone
Office of Clerk and Recorder.
Filed this______16th________ day of
June_________________ A. D. 1982
at 8:45________ o'clock A.M.

Mary L. Fishkin
Clerk and Recorder

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1968 (Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner: Kasten (Paul Kasten)
Address: Brokaway, Mont.

Date well started: May 24, 1969

Date well completed: June 12, 1969

Top of Ground

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>23</td>
</tr>
<tr>
<td>12</td>
<td>23</td>
</tr>
<tr>
<td>20</td>
<td>23</td>
</tr>
<tr>
<td>40</td>
<td>41</td>
</tr>
</tbody>
</table>

Type of well: Drilled

Equipment used: Drill

Water Use: Domestic [ ] Municipal [ ] Stock [X] Irrigation [ ]

Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

Well is used for Winter USE: [ ]

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

Estimated Annual Withdrawal: 15,000 Gallons

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Entrance</th>
<th>Size and Height of Cabinet</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>45</td>
<td>Top</td>
<td>40</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>5' 1/2</td>
<td>21'</td>
<td>10'</td>
</tr>
</tbody>
</table>

Static water level: 15 ft.
Pumping water level: 22 ft.
at 12.3 gallons per minute, measured 3.0 minutes after pumping began.

*Measured from ground level.

Well developed by: N/A

Power: N/A

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

Show exact depth of bottom

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

LICENSE NO. 113

Driller's Signature: Edward Bird

Driller's Address: Brokaway, Mont.

Show exact depth of bottom
WATER WELL LOG FILE #689

State of Montana
County of McCone
Office of Clerk and Recorder.
Filed this 25th day of May, A.D. 1979
at 11:30 o'clock A.M.

[Signature]
Clerk and Recorder

By [Signature]
Deputy

Fee $2.00
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

NORTHERN PACIFIC RAILWAY CO., OWNER

Driller: Edward Burd. Address: Ronan.

Date of Notice of Appropriation of Groundwater: NA

Date well started: 7-8-68. Date completed: 7-20-68

Type of well: Drilled.

Equipment Used: Churn, drill, rotary or 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 water rises in the well.

---

Static Water Level for non-flowing Well: 70 feet.

Shut-in Pressure for Flowing Well: N.A.

Pumping Water Level: 80 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well: N.A.

How Tested: Baker. Length of Test: 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 similar pertinent information, including number of acres irrigated, if used for irrigation.)

---

Driller's Signature: Edward Burd.

Driller's License Number: 45.

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.
May 15th, 1968

Dear Sirs:

Enclosed you will find a copy of a correction of filing of a Water Well Log #133926. Said Water Well Log should have been filed in the name of the Northern Pacific Railway Company instead to the Lessee Paul Kasten.

We have corrected our records here and filed said Water Well Log in the name of the Northern Pacific Railway Company, as Owner and Paul Kasten as Lessee. Could you please correct your records also?

Thank you for your consideration in this matter.

Very truly yours,

[Signature]

County Clerk

Gloria G. Brennan

County Clerk

Montana Water Resources Board
Sam W. Mitchell Bldg.
Helena, Montana, 59601

Notes:
- Enclosed: 1
- c.c. sent to Mr. E. V. Darlington, Director
  Montana Bureau of Mines and Geology
  Butte, Montana, 59701
WATER WELL LOG

Type of well: Drilled
Equipment used: Cable Tool

Owner: Phillip Murphy
Address: Broadway, Montana
Driller: Ira G. Bond
Address: Terry, Montana

Date Started: March 25, 1961
Date Completed: March 27, 1961
Location: Sec. 11, T. 17 N., R. 47 E., 1/4 sec. 34 of the 5th

Type of well: Domestic
Equipment used: Cable Tool

Casing: 0 ft. to 104 ft.
Type: Steel
Size: 4 inch

Perforated or Screened: 92 ft. to 102 ft.
Type of screen or perforations: 3/16 in holes, cut with cutting torch

Static Water level, for non-flowing well: 50 ft.
Shut-in pressure, for flowing well: 1 lb/sq. in. on: (date)
Pumping water level: 70 ft.
How tested: With bailor for one hour

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

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>21</td>
</tr>
<tr>
<td>21</td>
<td>22</td>
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<tr>
<td>22</td>
<td>26</td>
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<tr>
<td>86</td>
<td>101</td>
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<tr>
<td>101</td>
<td>104</td>
</tr>
</tbody>
</table>

FILE NO. 122175

WATER WELL LOG No. 50

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 4th day of April, 1961, at 2:15 o'clock P.M.

[Signature]

Chas. L. Anderson
Chief, Recorder

Fee Hereby
Owner: Philip McMurphy
Address: Broadway, Montana
Driller: Ira C. Boyd
Address: Terry, Montana
Date Started: March 25, 1961
Date Completed: March 27, 1961
Location: Sec. 31, T. 17, R. 47, W. 5, McLeod County, Montana

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Cable Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock: Yes</td>
</tr>
<tr>
<td>Casing:</td>
<td>0 - 104 ft</td>
<td>Type: Steel</td>
<td>Size: 4 inch</td>
</tr>
<tr>
<td>Perforated or Screened: 92 ft to 102 ft</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water level, for non-flowing well: 50 feet.
Shut-in pressure, for flowing well: 15 lb/sq. in. on: (date)
Pumping water level: 70 feet at 6 gal per min.
How tested: with bailer
Length of test: for one hour
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 - 21</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>21 - 22</td>
<td>Water sand with water seep</td>
</tr>
<tr>
<td>22 - 26</td>
<td>Sandstone</td>
</tr>
<tr>
<td>26 - 30</td>
<td>Gumbo</td>
</tr>
<tr>
<td>30 - 55</td>
<td>Gumbo</td>
</tr>
<tr>
<td>55 - 57</td>
<td>Water Sand</td>
</tr>
<tr>
<td>57 - 67</td>
<td>Gumbo</td>
</tr>
<tr>
<td>67 - 70</td>
<td>Sand</td>
</tr>
<tr>
<td>70 - 71</td>
<td>Gumbo</td>
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<td>71 - 74</td>
<td>Water Sand</td>
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<tr>
<td>74 - 78</td>
<td>Gumbo</td>
</tr>
<tr>
<td>78 - 86</td>
<td>Coal</td>
</tr>
<tr>
<td>86 - 93</td>
<td>Gumbo</td>
</tr>
<tr>
<td>93 - 101</td>
<td>Water Sand</td>
</tr>
<tr>
<td>101 - 104</td>
<td>Gumbo</td>
</tr>
</tbody>
</table>

FILE NO. 122175

WATER WELL LOG # 50

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 30th day of April, A.D. 1961
at 2:15 o'clock P.M.

Clerk and Recorder

Fee None.
File No. 

Doc. No. 

Water Well No. 662.

NORTHERN PACIFIC RAILWAY CO. 

OWNER 

Paul Kasten 

LESSOR 

TO 

The Public 

STATE OF MONTANA. 
COUNTY OF McCONE. 

The within instrument was filed for record on April 29th, 1968 at 9:35 o'clock A.M., and is duly recorded in 
Book Filed: 

Page 

Sister L. Brennan 

County Clerk and Recorder 

By 

Cline E. Dallen 

Deputy 

Fee $2.00 Paid.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>File No.</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>1</td>
<td>Appleton Ranch Inc.</td>
<td>GW-H</td>
<td>127182</td>
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<tr>
<td>2</td>
<td>Bensinger</td>
<td>H</td>
<td>127181</td>
<td></td>
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<tr>
<td>3</td>
<td></td>
<td>H</td>
<td>127184</td>
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<td>10</td>
<td>Johnson &amp; Warner Inc.</td>
<td>H</td>
<td>127206</td>
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<tr>
<td>11</td>
<td>Patterson Wood</td>
<td>H</td>
<td>127182</td>
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<td>12</td>
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<td>H</td>
<td>124194</td>
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<td>13</td>
<td>Heine, Edward Co.</td>
<td>H</td>
<td>124199</td>
<td></td>
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<td></td>
<td>H</td>
<td>124194</td>
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<td>Kandelley, Emil</td>
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<td>17</td>
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<td>Kargi, Anthony, Jr.</td>
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<td>Heine, George &amp; I. Glor</td>
<td>H</td>
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<td>30</td>
<td>Langley, Roy</td>
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<tr>
<td>31</td>
<td>Heine, Geo. &amp; I. Glor</td>
<td>G-W</td>
<td>127265</td>
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<td>34</td>
<td>Hamiliton, Arthur</td>
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<td>35</td>
<td>Kande, John</td>
<td>H</td>
<td>127339</td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. **Habing Ranch**
   - Name of Appropriator
   - Address
   - Town
   - County of **McCone**
   - State of **Montana**

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

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): **5.981**

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: **Pump**

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: **60**

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: **Not Available**

10. The estimated amount of groundwater withdrawn each year: **510,000**

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: **None**

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 400
MURINO RANCH, INC.

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF McCOOK

OFFICE OF COUNTY CLERK & RECORDER
Filed this 30th day of Dec., 1963 A.D.,
at 1:02 o'clock p.m.

COUNTY CLERK
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator:
   Address: 
   (Town):
   County of: 
   State of: 

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

   2. The official use on which this claim is based: 
   Livestock

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

   4. The amount of groundwater claimed (in gallons per minute): 
   10 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: 
   Garden and Farmland

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

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

   8. The depth of water table: 
   48'

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 
   2 1/4" casing, 48" deep

   10. The estimated amount of groundwater withdrawn each year: 
   138,000

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

   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: Dec. 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.
WATER WELL LOG FILE NO. 422

TO

THE PUBLIC

STATE OF MONTANA )
COFLUNATION -)

OFFICE OF COUNTY CLERK & RECORDER
Filed this 30th day of Dec., 1963 A.D.
at 1:24 O'clock p.m.

COUNTY CLERK

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

STATE ENGINEER

1. Name of Appropriator: __________
   Address: __________
   County: __________
   State of: __________

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

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

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

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: __________ gal

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

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

Signature of Owner: __________
Date: __________

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DOC. NO. 127180

WATER WELL LOG FILE NO. 421

TO

THE PUBLIC

STAT OF MONTANA
JEFF COUNTY OF McCOLLUM

OFFICE OF COUNTY CLERK & RECORDER
Filed this 30th day of Dec., 1963 A.D.
at 1:23 o'clock p.m.

COUNTY CLERK

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

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

State Engineer

Warner D. Johnson, Brockway, Mont.

County of Montana, State of Montana

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

1. Name of Appriator

2. The beneficial use on which the claim is based. Drift, livestock

3. Date or approximate date of earliest beneficial use and how continuous the use has been. 1945, 1950

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

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.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1945

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. 15 feet, 1/4 of pipe, 13 inches

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

11. The log of formations encountered in the drilling of each well if available. Clay to water bearing sand to coal

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

Signature of Owner

Date Dec 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 535

WARREN D. JOHNSON

TO

THE PUBLIC

STATE OF MONTANA

JHS

COUNTY OF McCOOK

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of Jan., 1969 A.D.
at 9:26 o'clock, a.m.

COUNTY CLERK

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

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

STATE ENGINEER

[Name of Appropriator] of [Address]
[County of Appropriator] [State of Appropriator]

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 continued the use has been: 1952.2 Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 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: Acreage

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1952.

8. The depth of water table: 150.6 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: 150.6 ft. old.

10. The estimated amount of groundwater withdrawn each year: 450,000 gal.

11. The log of formations encountered in the drilling of each well if available: A. B. C. D.

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: A. B. C. D.

Signature of Owner: [Signature]

Date: Dec 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.
Notice of Completion of Groundwater Appropriation by Means of Well
Developed After January 1, 1968
(Under Chapter 237, Montana Session Laws, 1961)

Owner: William Dacker
Driller: Daniel G. Haggerty

Date of Notice of appropriation of groundwater: 11/1/67
Date well started: 10/26/67
Date completed: 10/31/67

Type of well: Drilled
Equipment used: Chisel drill
Water use: Domestic

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

<table>
<thead>
<tr>
<th>File of Drilled Strata</th>
<th>Size and Weight of Cement</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>58&quot;</td>
<td>4&quot;</td>
<td>10&quot;</td>
<td>136</td>
<td>1/8&quot; slots</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: not applicable
Shut-in Pressure for Flowing Well: not applicable
Pumping Water Level: 130 feet
Discharge in gal. per min. of flowing well: not applicable
How Tested: Bailed
Length of Test: 2 hrs.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Show exact depth of bottom.

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

44,324
Water Well Log #666

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 35th day of July A.D. 1968
at 3:30 P.M. of the day of

Gloria M. Brennan
Clerk and Recorder

By: Alice C. Sullivan
Deputy

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

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Edward Smith</td>
<td>Circle, Mont</td>
<td>Joe Johnson</td>
<td>Terry, Mont</td>
</tr>
</tbody>
</table>

Date of Notice of Appropriation of Groundwater: 6/14/67

Date well started: 6/14/67

Date well completed: 6/14/67

Type of well: Drilled

Equipment Used: Cable Tool

(type of drilling, other)

Water Use: Domestic

Municipal

Industrial

Drainage

Irrigation

Other

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

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

**Shut-in Pressure for Flowing Well:**

**Pumping Water Level:** 29 feet at 5 gal. per minute.

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

**How Tested:** Boiler

**Length of Test:** 30 min.

**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)

**Water Bearing Strata:**

<table>
<thead>
<tr>
<th>Strata Met</th>
<th>Depth (Feet)</th>
<th>Thickness</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
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<tr>
<td>Clay</td>
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</tr>
<tr>
<td>Gravel</td>
<td></td>
<td>1'</td>
<td></td>
</tr>
<tr>
<td>Rock</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Indicate the strata met with in drilling:**

**Driller’s License Number:**

**Driller’s Signature:**

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropria
tor.
132718

Water Well Log #647.
State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 19th day of June, A.D. 1967
at 11:30 o'clock A.M.

<table>
<thead>
<tr>
<th>Clerk and Recorder</th>
</tr>
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<tbody>
<tr>
<td>Elvin E. Hallam</td>
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<table>
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<tr>
<th>Deputy</th>
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</table>

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

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

**STATE ENGINEER**

---

1. **Edward R. & Olivia H. Heide**  
   of  
   (Name of Appropriator)  
   (Address)  
   (Town)  
   County of  
   (Name of County)  
   State of  
   Montana  
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:  
   **1943**  
   **Continuously each year**

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:
   **Not applicable**

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:  
   **1943**

8. The depth of water table:  
   **20 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:
   **Hard rock well**  
   **120 ft. diameter**  
   **60 ft. casing**  
   **36 ft. depth**

10. The estimated amount of groundwater withdrawn each year:  
    **1,720,000 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**

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Signature of Omwer:  
**Edward R. Heide**  
Date:  
**December 30, 1963**

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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.

---

**36386**
DOC. NO. 127174

WATER WELL LOG FILE NO. 415

EDWARD H. & CLIVE N. XXDE

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF MARION

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1963 A.D.
at 11:17 o'clock a.m.

COUNTY CLERK

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

Owner: Emile Haakensen
Address: Circle, Montana

Driller: Harold Banks
Address: Circle, Montana

Date of Notice of Appropriation of Groundwater: October 30, 1966

Date well started: November 1, 1966

Type of well: Drilled

Equipment Used: Churn

Water Use: Domestic [ ]
Municipal [ ]
Other [ ]
Irrigation [ ]

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Force (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>0.125&quot; D.O.</td>
<td></td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 20 feet
Shut-in Pressure for flowing Well: 0 feet at 9 gal. per minute
Pumping Water Level: 23 feet
Discharge in gal. per min. of flowing well:
How Tested: Ground water level length of Test: 1000 feet
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)

- 34

Show exact depth of bottom.

Driller's License Number: Harold Haakensen
Driller's Signature: Harold Haakensen

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.
132328

WATER WELL LOG #644.

State of Montana
County of McCone

Filed this 7th day of
February A.D. 1957
at 3:30 o'clock P.M.

[Signature]

Clay and Recorder

[Signature]

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

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

1. Goulding Bros. Inc., of Brockway
   (Name of Appropriator) (Address) (Town)
   County of Mccain, 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 Well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been, May 27, 1960
   6 months out of every year

4. The amount of groundwater claimed (in inches or gallons per minute): 10,901 gal. per min.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   May 23, 1960
   May 27, 1960

8. The depth of water table: 74 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: 1,310,600

11. The log of formations encountered in the drilling of each well if available:
   O-16 Yellow Clay
   16-17 Caliche, 17-34 Yellow Clay, 34-38 Gumbo, 38-53 Sand and about 54-60 Gumbo, 60-68 Quick Sand, 68-70 Blue Clay, 70-76 Sandstone
   76-78 Blue Clay, 78-90 Sandstone, 90-70 water sand, 70-97 Clay 97-100 Coal
   with water 100-105 Sand 105-146 Gumbo

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: Information Not Available

Signature of Owner

Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer: Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
WATER WELL LOG FILING NO. 946
GULFERTH BR. AND INC.

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER
Filed this 2nd day of Jan., 1964 A.D.
at 8:39 o'clock, a.m.

FEE: $2.00

[Signature]
COUNTY CLERK
WATER WELL LOG

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Cable tool</th>
</tr>
</thead>
</table>

Owner: Goldberg Bros.  
Address: Brookway, Montana
Driller: Ina C. Bond  
Address: Terry, Montana

Date Started: May 27, 1960  
Date Completed: May 27, 1960
Location: Sec. 17, T. 17 R. 48 1/2 sec. NW 1/4

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

Casing:  
Surface: 64 ft. to 96 ft. Type steel  
Size: 6"  
56 ft. to 146 ft. Type steel  
Size: 4"  
Casing:  
Size: 34 ft. to 108 ft. Type Screened  
Size: burned holes

Static Water level, for non-flowing well: 75 feet.
Shut-in pressure, for flowing well: 25 lb/acre in. on: (date)
Pumping water level: 40 feet at 10 gal. per min.
How tested:  
Well drilled
Length of test:  
Two hours

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>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 16</td>
<td>yellow clay</td>
</tr>
<tr>
<td>16 to 17</td>
<td>gravel</td>
</tr>
<tr>
<td>17 to 34</td>
<td>yellow clay</td>
</tr>
<tr>
<td>34 to 54</td>
<td>gumbo</td>
</tr>
<tr>
<td>54 to 60</td>
<td>sandstone</td>
</tr>
<tr>
<td>60 to 68</td>
<td>quick sand</td>
</tr>
<tr>
<td>68 to 70</td>
<td>blue clay</td>
</tr>
<tr>
<td>70 to 76</td>
<td>sandstone</td>
</tr>
<tr>
<td>76 to 78</td>
<td>blue clay</td>
</tr>
<tr>
<td>78 to 82</td>
<td>sandstone</td>
</tr>
<tr>
<td>82 to 90</td>
<td>water sand</td>
</tr>
<tr>
<td>90 to 98</td>
<td>clay</td>
</tr>
<tr>
<td>98 to 100</td>
<td>sand with water</td>
</tr>
<tr>
<td>100 to 108</td>
<td>sandy</td>
</tr>
<tr>
<td>108 to 146</td>
<td>gumbo</td>
</tr>
</tbody>
</table>

hoped to find more water, but not there
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. 

(State of Appropriator) of (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: Stock

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

4. The amount of groundwater claimed (in inches or gallons per minute): 5 gal./min

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

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

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

8. The depth of water table: 20 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: DRILLED LIN. CASING 140 FT.

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

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

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

Signature of Owner: [Signature]

Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DOC. NO. 127306

WATER WELL LOG FILE NO. 945

GULFSDOR MEGS., INC.

TO

THE PUBLIC

STATE OF MONTANA}

COUNTY OF McCONE)

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of Jan., 19_64 A.D.
at 8:36 o'clock, a. m.

[Signature]

COUNTY CLERK

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

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

Date of Appropriation of Groundwater: Origin of spring - unknown.
Owner: Anthony Kovarik. Address: Circle, Montana.
Contractor (if any): None.
Address of Contractor: 
Date Started: Unknown. Date Completed: 

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring is in form of pot-hole in bottom of coulee- always has supply of water.

Quantify of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent, indicate point of appropriation and place of use, if possible. Spring is ideal for watering stock- accessible from all sides.

Signature of Owner: 
Date: August 13th, 1962.

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
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

I, Anthony Kozarik, Jr., of Circle, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriator: Anthony Kozarik, Jr.
2. Address: Circle, Montana
3. County: McCone
4. State: Montana
5. Beneficial use on which claim is based: Irrigation
6. Date or approximate date of earliest beneficial use: 1930
7. Continuous use: Daily

The estimated amount of groundwater withdrawn each year: 26,500 gallons

The log of formations encountered in the drilling of each well if available: thirty feet of gray soil and clay, twenty-five sandy soil, five feet of coal and one foot of hard sand.

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: Anthony Kozarik
Date: August 13th, 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.
WATER WELL LOG # 212

State of Montana
County of
Embassy
Office of Clerk and Recorder.
Filed this 25th day of
August A.D. 1962
at 8:10 o'clock

Chk. and Recorder
Fees $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropria-
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1943
Owner: Edward M. Heide
Address: Circle, Mont.
Contractor (if any): None
Address of Contractor: 
Date Started: 1943 Date Completed: 1943
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes" Include depth to water when applicable. Spring development by clearing out a hole about 10 feet square about 4 ft. deep to flow fracture

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. Spring, summer and fall.

Signature of Owner: Edward M. Heide
Date: Dec 30, 1963

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

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

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

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

Ben Lanston
or Rockway

(Name of Appropriator) (Address) (Town)

County of McCone State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1927

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

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

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. 1952

8. The depth of water table. 18 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 30 ft. casing 38 ft.

10. The estimated amount of groundwater withdrawn each year. 5000

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

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: Ben Lanston
Date: Dec. 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.
DOC. NO. 127178

WATER WELL, LOG FILE NO. 419

REE LANGDON

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF WAWONA

OFFICE OF COUNTY CLERK & Recorder

Filed this 30th day of Dec., 1963 A.D.
at 1:21 o'clock p.m.

COUNTY CLERK

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

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

STATE ENGINEER

Ben Laneton of Brockway

County of Mecone State of Montana

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

1. The beneficial use on which the claim is based: Stock Water

2. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1889

3.60 Days Yr. 21

4. The amount of groundwater claimed (gallons per minute): 36 Gallon 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: Stock Tank

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Jan 1961

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Dec 30 1949

8. The depth of water table: 50 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: Ground casing

10. The estimated amount of groundwater withdrawn each year: 4.370

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

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: Ben Laneton
Date: Dec 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.
VATER WELL LOG FILE NO. 420

RE: LAMONT

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MISSOURI

OFFICE OF COUNTY CLERK & RECORDER

Filed this 3th day of Dec., 1963 A.D.,
1:12 o'clock p.m.

COUNTY CLERK

FEE: $2.00