WATER WELL LOG FILE NO. 470

MIGEENE M. VEJTIASA

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF WASHOE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 31st day of Dec., 1969 A.D.
at 8:16 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: Glenn Creek
Address: Circle, Montana

Driller: Daniel O. Haggerty
Address: Lacey, Montana

Date of Notice of Appropriation of Groundwater: Nov. 12, 1963
Date well started: Nov. 12, 1963
Date well completed: Nov. 21, 1963

Type of well: Drilled
Equipment Used: (Drill, driver, 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 Casings</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6½&quot;</td>
<td>5&quot;</td>
<td>0</td>
<td>250</td>
<td></td>
</tr>
<tr>
<td>10#/per ft.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1½&quot;</td>
<td></td>
<td>238</td>
<td>250</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 50 feet.
Shut-In Pressure for Flowing Well: not applicable.
Pumping Water Level: 225 feet at 4½ feet per minute.
Discharge in gal. per min. of flowing well: not applicable.

How Tested: bailed
Length of Test: 1 hour.

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

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 quatruplicate for the Appropriator.
STATE OF MONTANA

COUNTY OF MOCONE

OFFICE OF CLERK AND RECORDER.

FILED this 17th day of December 1963
at 1:15 o'clock p.m.

[Signature]

Clerk & Recorder

FEE $ 2.00
<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ernie Strid</td>
<td>Circle, Montana</td>
<td>Albert &amp; Edward Frost</td>
<td>Broadway, Montana</td>
<td>February 10, 1961</td>
<td>February 18, 1961</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Section</th>
<th>Township</th>
<th>Range</th>
<th>Sec.</th>
<th>T.</th>
<th>R.</th>
<th>Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>19</td>
<td>19</td>
<td>45</td>
<td>1/4</td>
<td></td>
<td></td>
<td>1/4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Churn drilled</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th></th>
<th></th>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drakeage</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Casing: Top</th>
<th>ft. to</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>165'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>145' to 165'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations: Holes in casing</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>92 ft. from the top</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>55 feet</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>feet at</th>
<th>gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>125'</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

| How tested: | |
|-------------||
| Bailer      | |

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>2 hour</th>
</tr>
</thead>
</table>

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

(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>top</td>
<td>15'</td>
<td>15'</td>
<td>Yellow sandy dirt</td>
</tr>
<tr>
<td>15'</td>
<td>25'</td>
<td>25'</td>
<td>Sand</td>
</tr>
<tr>
<td>25'</td>
<td>26'</td>
<td>26'</td>
<td>Blue sandy loam</td>
</tr>
<tr>
<td>26'</td>
<td>28'</td>
<td>28'</td>
<td>Coal</td>
</tr>
<tr>
<td>28'</td>
<td>35'</td>
<td>35'</td>
<td>Sand</td>
</tr>
<tr>
<td>35'</td>
<td>39'</td>
<td>39'</td>
<td>Coal</td>
</tr>
<tr>
<td>39'</td>
<td>44'</td>
<td>44'</td>
<td>Blue sandy loam</td>
</tr>
<tr>
<td>44'</td>
<td>46'</td>
<td>46'</td>
<td>Coal</td>
</tr>
<tr>
<td>46'</td>
<td>51'</td>
<td>51'</td>
<td>Blue sandy loam</td>
</tr>
<tr>
<td>51'</td>
<td>60'</td>
<td>60'</td>
<td>Coal</td>
</tr>
<tr>
<td>60'</td>
<td>66'</td>
<td>66'</td>
<td>Sand</td>
</tr>
<tr>
<td>66'</td>
<td>68'</td>
<td>68'</td>
<td>Blue sandy loam</td>
</tr>
<tr>
<td>68'</td>
<td>82'</td>
<td>82'</td>
<td>Sand</td>
</tr>
<tr>
<td>82'</td>
<td>92'</td>
<td>92'</td>
<td>Blue clay</td>
</tr>
<tr>
<td>92'</td>
<td>95'</td>
<td>95'</td>
<td>Coal</td>
</tr>
<tr>
<td>95'</td>
<td>110'</td>
<td>110'</td>
<td>Blue sandy loam</td>
</tr>
<tr>
<td>110'</td>
<td>120'</td>
<td>120'</td>
<td>Sand</td>
</tr>
<tr>
<td>120'</td>
<td>126'</td>
<td>126'</td>
<td>Blue sandy loam</td>
</tr>
<tr>
<td>126'</td>
<td>136'</td>
<td>136'</td>
<td>Water baring sand</td>
</tr>
<tr>
<td>136'</td>
<td>148'</td>
<td>148'</td>
<td>Blue sandy loam</td>
</tr>
<tr>
<td>148'</td>
<td>153'</td>
<td>153'</td>
<td>Blue clay</td>
</tr>
<tr>
<td>153'</td>
<td>155'</td>
<td>155'</td>
<td>Water baring sand</td>
</tr>
<tr>
<td>155'</td>
<td>167'</td>
<td>167'</td>
<td>Blue clay</td>
</tr>
<tr>
<td>167'</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Log of Well**

**DATE:** 12/17/81

**WATER WELL LOG FILE NO. 62**

**State of Montana**

**County of McCone**

**Office of Clerk and Recorder.**

**Filed this 5th day of April, A.D. 1961.**

**At 3:30 o'clock P.M.**

**Clerk and Recorder.**

**For None**
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 277, Montana Session Laws, 1961)

G. G. Wagner
Circle, Montana

Driller's License Number: [Signature]

Top of Ground
(Elev. above sea level: 2400)

Drift: Grey Sand

Date of Notice of Appropriation of Groundwater: January 16, 1964
Date well started: Jan 16, 1964
Date Well Completed: Jan 20, 1964

Type of Well: Drilled
Equipment Used: Cable Tool

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.

Static Water Level for non-flowing Well: 15 feet.
Shut-in Pressure for Flowing Well: 100 feet at 7 gal. per minute.
Pumping Water Level: [Diagram]
Discharge in gal. per min. of flowing well: 20 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)

Gravel Pack Screen: 102 to 120 feet
Replacing well drilled in 1948 - April

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
WATER WELL LOG FILE NO. 596

G. O. WAGNER

TO

THE PUBLIC

State of Montana
County of McCone

Office of Clerk and Recorder.
Filed this ___ day of
March, ___ A.D., ___
at ___ o'clock ___ M.

Deputy

Fee $2.00
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name: [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: Livestock and irrigation of trees.

3. Date or approximate date of earliest beneficial use: [Date or Approximate Date]

4. The amount of groundwater claimed (in 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: [Acreage and Description]

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

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

8. The depth of water table: 50 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well 6 inches diameter and fifty feet deep.

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

11. The log of formations encountered in the drilling of each well if available: NOT AVAILABLE, JET PUMP

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: [Reference]

Signature of Owner: [Signature]

Date: [Date: December 31st, 1943]

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.
DOG. NO. 127227

WATER WELL LOG FILE NO. 468

REGISEE R. WELTASA

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF McCONE

OFFICE OF COUNTY CLERK & RECORDER

Filed this 31st day of Dec., 1989 A.D.

at 8:12 o'clock, a.m.

[Signature]

COUNTY CLERK

FEE: $2.00
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Jensen Brothers</td>
<td>GW-2</td>
<td>12645</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Sbard P.H.</td>
<td>GW-H</td>
<td>126752</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Undem Louis</td>
<td>-H</td>
<td>127157</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td></td>
<td>GWS</td>
<td>127158</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Non-Pac. Bp. Co.</td>
<td>GWS</td>
<td>126924</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Johnson Water Co</td>
<td>GWH</td>
<td>127921</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Non-Pac. Bp. Co.</td>
<td>GWS</td>
<td>126974</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Jensen Brothers Address: Circle, Montana
Driller: Daniel J. Kargert Address: Lindsay, Montana

Date of Notice of appropriation of groundwater: 10/2/68

Date well started: 6/25/63 Date completed: 9/30/68

Type of well: Drilled Equipment used: auger drill
(Dig, driven, bored or drilled)
(Chisel 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>Feet</th>
<th>To (Foot)</th>
<th>PREPARATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 1/2</td>
<td>5 1/2 D</td>
<td>35</td>
<td>1/8&quot;</td>
<td>D Category</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well
20 feet

Shut-In Pressure for Flowing Well: 150 psi
Pumping Water Level: 28 feet

Discharge in gal. per min. of flowing well

Boiled & pumped

How Tested

Length of Test: 4 hrs

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

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, third copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Jenson Sirehara  Address: Circle, Montana
Driller: Daniel J. Hagerty  Address: Lindsay, Montana

Date of Notice of application for appropriation: 10/2/63
Date Well started: 9/28/63  Date completed: 9/30/63

Type of well: Artesian  Equipment used: 4 inch pump
(Draw down, hand, or drilled)

Water use: Domestic  Municipal
Stock  Irrigation
Industrial  Discharge

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, slate, gravel, rock, or mud, etc. Where 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>Depth</th>
<th>Water Bearing</th>
<th>Strata</th>
<th>Height</th>
</tr>
</thead>
<tbody>
<tr>
<td>52 ft</td>
<td>18 in.</td>
<td>15 ft</td>
<td>35 ft</td>
</tr>
</tbody>
</table>

Static Water Level for sandstones: 20 ft
Pumping Water Level: 20 ft
Shut-in Pressure for flowing well:
Discharge in gal. per min. of flowing well: 50 gal per minute

Dweller: Signalan  Number of M.F.A.:
Remarks: (Gravel packing, cementing, padding, type of shutoff)

Length of Test: 4 M.F.A.
End Use: Irrigation, industrial, drywall or other.

Indicate location of wall 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, three 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: Daniel J. Hagerty

44, 719
<table>
<thead>
<tr>
<th>134556</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water Well Log #69</td>
</tr>
</tbody>
</table>

State of Montana
County of McCone

Office of Clerk and Recorder:

Filed this ______ day of
October ______, A.D. 19__
at ______ o'clock ______

Marian H. Brannin
Clerk and Recorder

By: Allen E. Williams
Deputy

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)

Name of Appropriator: R. H. Schara
Address: 807 N. Circle
(Town)
State of Montana
County of McCone

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:
   DWELLING AND LIVE STOCK

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: MARCH 1952, USED CONTINUOUSLY

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

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. 50 ACRES FOR IRRIGATION

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   WELL 1

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   JULY, 1957

7. The depth of water table:
   25 FEET

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:
   NO. 12

9. The estimated amount of groundwater withdrawn each year:
   100,000 G.A.

10. The log of formations encountered in the drilling of each well if available:
    NO. 12

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

Signature of Owner: R. H. Schara
Date: July 15, 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 # 228.
State of Montana
County of Hockans 1st.
Office of Clerk and Recorder.
Filed this 20th day of August, A.D. 1919 at 3:20 o'clock P.M.

[Signature]
Clerk and Recorder

By

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)

R. H. Schara of Bovis Circle
(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: Live stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: June 1957

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 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: June, 1954 & June, 1957

8. The depth of water table: 35 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:

10. The estimated amount of groundwater withdrawn each year: 120,000

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: R. H. Schara
Date: July 25, 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.
126352

Water Well Log # 227.

- State of Montana
- County of McCoine

Office of Clerk and Recorder.

Filed this 20th day of August, A.D. 1963
at 9:15 o'clock A.M.

Clerk and Recorder

rec. $3.00
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

Louis N. Anderson
(Address: Circle, State of Montana)
County of McCone

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

- The beneficial use on which the claim is based: [Provide details]
- The date or approximate date of earliest beneficial use and how continuous the use has been: [Provide details]
- The amount of groundwater claimed (in mgs per minute): [Provide details]
- If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: [Provide details]
- The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: [Provide details]
- The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: [Provide details]
- The depth of water table: [Provide details]
- 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: [Provide details]
- The estimated amount of groundwater withdrawn each year: [Provide details]
- Any 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: [Provide details]

Signature of Owner: Louis N. Anderson
Date: Dec. 18, 1963

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

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

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

31364
WATER WELL LOG FILE NO. 328

LOUIS VUKOVIC

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MCDONALD

OFFICE OF COUNTY CLERK A RECORD

Filed this 30th day of Dec., 1968 A.D.

at 1:00 o'clock p.m.

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

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

Contractor (if any)

Address of Contractor

Date Started: 10-15-66 Date Completed: 10-15-66

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. The spring runs out, but we have a sand mist dug in the ground, three feet deep.

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. The spring runs one gallon per minute and is used intermittently as it is some of the best water in the county.

Signature of Owner

Date

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriaator.
LOUIS UHLEN

TO

THE PUBLIC

STATE OF MONTANA

COUNTY OF MCDOWELL

OFFICE OF COUNTY CLERK & RECORDER

Filed this 30th day of Dec., 1969 A.D.

at 1:01 o’clock p.m.

FEE: $2.00

[Signature]
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1909.

Owner: Northern Pacific Railway Co. Address: St. Paul, Minn.

Contractor (if any): 
Address of Contractor: 

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring used since 1909.

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 flows one gallon per minute.

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

Northern Pacific Railway Company
Signature of Owner:
Dist. Supervisor, Graz. & Cult.
Date: November 11, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Water Well Log #269

City: Montana
County: McCone
Office of Clerk and Recorder.
Filed this 13th day of December, 1963, A.D. 19.

[Signature]

Chirk and Recorder

[Footer]

Pno. $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)

Warner D. Johnson, of Brockway, Mont.

County of McCone, State of Montana,

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

1. Name of Approp. (Address of Approp.)

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:

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:

Date:

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Doc. No. 127291

Water Well Log #220

Warner D. Johnson

TO

The Public

State of Montana
County of McCone

OFFICE OF COUNTY CLERK & RECORDER

Filed this 2nd day of January, 1963, A.D., at 9:21 A.M.

County Clerk
Fee: $2.00
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1909.

Owner: Northern Pacific Railway Co. Address: St. Paul, Minn.

Contractor (if any)

Address of Contractor

Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring, used since 1909.

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 flows one gallon per minute.

Northern Pacific Railway Company
Signature of Owner

Hist. Supervisors State & Cult.

Date: December 11th, 1981

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; TriPLICATE to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
126955

Water Well Log #270

State of Missouri
County of N. Cave
Office of Clerk and Recorder.
Filed this 13th day of Dec., A.D. 1963
at 8:40 a.m.

Cash and Recorder

Deputy

Fee $2.00
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>Haglund Ranch Inc.</td>
<td>GW-2</td>
<td>129560</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Hinneland Ranch</td>
<td>GW-2</td>
<td>175751</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Haglund Ranch Inc.</td>
<td>well dug</td>
<td>125244</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td></td>
<td></td>
<td>122427</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
<td>GW-2</td>
<td>129837</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Spathi Office</td>
<td>GW-2</td>
<td>172927</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Haglund Ranch Inc.</td>
<td>well dug</td>
<td>122973</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td></td>
<td></td>
<td>122973</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Lapine, Inc.</td>
<td>GW-2</td>
<td>179968</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

**Notice of Completion**

**Owner:** Haglund Ranch Inc  
**Address:** Brockway Montana

**Driller:** Irw C. Bond  
**Address:** Terry Montana

**Date of Notice of Appropriation of Groundwater:**

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

**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, sand, etc.**

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

**Show exact depth of bottom.**

---

**Static Water Level for non-flowing Well:** 100 feet.

**Shut-in Pressure for Flowing Well:** 80 feet.

**Pumping Water Level:** 106 feet; 60 gal. per minute.

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

**How Tested:** Bailey  
**Length of Test:** 25 ft.

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

**Gravel Pack Top To Bottom**

---

**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.
129560

Water Well Log #616
State of Montana
County of McCone

Office of Clerk and Recorder
Filed this 14th day of April, A.D. 1965
at 2:00 o'clock P.M.

[Signature]

Clerk of Court

[Signature]

Deputy

Fee $2.00
Notice of Completion of Groundwater Appropriation by Means of Well Developed After January 1, 1963

Owner: Flam Ninnisland
Address: Brookway, Montana

Driller: Lee O. Bond
Address: Terry, Montana

Date of Notice of Appropriation (of groundwater)...

Date well started: 8/18/69
Date completed: 8/21/69

Type of well: Dug (Drill, driven, bored or drilled) (Churn drill, rotary or otherwise)

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.

Driller's License Number

Driller's Signature
Form No. 18
8-60

County

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner

Driller

Date Started

Date Completed

Location: Sec. T. R. sec.

Type of well

Equipment used

Water use:

Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: ft. to ft. Ft. to ft.

Type of screen or perforations

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

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

Pumping water level feet at gal. per min.

How tested:

Length of test

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

(over)
Form No. 15
S-60

T. 18 R. 41E
County

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner

Driller

Date Started
Date Completed
Location: Sec. __ T. __ R. __ sec. __ __ __

Type of well
(Dug, driven, bored, or drilled)

Equipment used
(Chim, drill, rotary, other)

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

Casing: __ ft. to __ ft. Type __ Size __

Casing: __ ft. to __ ft. Type __ Size __

Casing: __ ft. to __ ft. Type __ Size __

Perforated or Screened: __ ft. to __ ft. __. __ ft. to __ ft. __

Type of screen or perforations

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

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

Pumping water level __ feet at __ gal. per min.

How tested:

Length of test __

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

(over)
<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>4</td>
<td></td>
<td>Yellow Loom</td>
</tr>
<tr>
<td>4</td>
<td>15</td>
<td></td>
<td>Brown Quick sand</td>
</tr>
<tr>
<td>15</td>
<td>21</td>
<td></td>
<td>Yellow and brown shale and rock</td>
</tr>
<tr>
<td>21</td>
<td>28</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>28</td>
<td>68</td>
<td></td>
<td>Gray Shale</td>
</tr>
<tr>
<td>68</td>
<td>70</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>70</td>
<td>85</td>
<td></td>
<td>Gray Shale</td>
</tr>
<tr>
<td>85</td>
<td>115</td>
<td></td>
<td>Gray Sandstone and water</td>
</tr>
<tr>
<td>115</td>
<td>123</td>
<td></td>
<td>Gray Shale</td>
</tr>
</tbody>
</table>
## MONTANA BUREAU OF MINES AND GEOLOGY

### WATER WELL LOG

**Owner:** Haglund Ranch Inc.  
**Address:** Brookway, Mont.

**Driller:** IRA C. BOND  
**Address:** Terry, Mont.

**Date Started:** JUNE 1, 1956  
**Date Completed:** JUNE 4, 1956

**Location:** Sec. 19, T. 18 N., R. 44 E., Sec. 5, E. 1/2 NW.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>DRILLED</th>
<th>Equipment used</th>
<th>CHURN DRILL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Stock</td>
<td>Irrigation</td>
</tr>
<tr>
<td></td>
<td>Industrial</td>
<td>Drainage</td>
<td>Other:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 100 ft. Type: STEEL, Size: 4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft. Type: Size</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft. Type: Size</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of screen or perforations:</td>
<td>DRIED HOLES</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>Ib./sq. in.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>How tested:</td>
<td>WINDMILL</td>
</tr>
<tr>
<td>Length of test:</td>
<td>1 HOUR</td>
</tr>
</tbody>
</table>

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
NONE

---

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, Newt</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>100</td>
<td>UNKNOWN</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>DOC. NO.</th>
<th>122474</th>
</tr>
</thead>
</table>

WATER WELL LOG # 68

State of Montana |
County of McCone |
Office of Clerk and Recorder |
Filed this 22nd day of June, A.D. 1962 |
at 9:15 o'clock A.M. |
By |
Fee none.
Notice of Completion of Groundwater Appropriation by Mead C. Bond
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Mead C. Bond
Address: Brooklyn, Mont.
Driller: Mead C. Bond
Address: Brooklyn, Mont.

Date of Notice of Appropriation of Groundwater: 5/12/55
Date Well Started: 5/12/55
Date Completed: 5/23/55

Type of Well: Drilled
Equipment Used: Underground Tool
(Churn, drill, rotary or other)

Water Use: Domestic
Industrial
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>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>4 in. i.d.</td>
<td>Surface</td>
<td>73</td>
<td>Burned</td>
</tr>
<tr>
<td></td>
<td>10, 69 FT</td>
<td></td>
<td></td>
<td>38</td>
</tr>
<tr>
<td></td>
<td>Gravel packed</td>
<td></td>
<td></td>
<td>64</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>70</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 38 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 55 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well:

How Tested: Concluded
Length of Test: 2 hours

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

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
Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Water Well Log # 622.
State of Montana
County of McCon. 1
Office of Clerk and Recorder:
Filed this 16th day of June A. D. 1965
at 11:30 o'clock A. M.

[Signature]
Clerk and Recorder

By Alice E. Hallin
Deputy
Fee $2.00
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 
Driller: 
Address: 
Date of Notice of Appropriation of Groundwater: Oct. 16, 1967
Date Well Started: Oct. 16, 1967
Date Completed: Nov. 20, 1967
Type of Well: Drilled
Equipment Used: Churn, drill, rotary or other
Water Use: Domestic □ Municipal □ Other □ Irrigation □
□ Domestic □ Municipal □ Other □ Irrigation □
□ Industrial □ Drainage □ Stock □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORMANCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>13 1/2&quot;</td>
<td>Top</td>
<td>55&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 20 ft.
Shut-in Pressure for Flowing Well: N/A
Pumping Water Level: 29 ft. at N/A gal. per minute.
Discharge is gal. per min. of flowing well: N/A
How Tested: N/A
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 pertinent information, including number of acres irrigated, if used for irrigation)

Driller's License Number: 
Driller's Signature: 

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
133427

Water Well Log: 699
State of Montana
County of McCone

Office of Clerk and Recorder:
Filed this _______ day of
January _______ A.D. 1946
of 120.00

[Signature]

Fee: $2.00
Form No. 18

T. 18 N  R. 44E
County M CONE

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: HAGLUND RANCH INC
Address: BROWN, MONT.

Driller: UNKNOWN
Address: 

Date Started: CIRCA 1940
Date Completed: 1

Location: Sec. 24 T. 18 N  R. 44E  4 sec.

Type of well: DRILLED
Equipment used: UNKNOWN

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other

Casing: 0 ft. to 140 ft. Type: STEEL  Size: 4 1/2

Perforated or Screened: Ft.  NOT KNOWN  Ft.  to  ft.

Type of screen or perforations:

Static Water level, for non-flowing well: 100 feet.

Shut-in pressure, for flowing well: 140 lb./sq. in. on: (date)

Pumping water level: feet at 5 gal. per min.

How tested:

Length of test: 1 minute

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

Unknown

(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></td>
<td>0</td>
<td>160</td>
<td>Unknown</td>
</tr>
</tbody>
</table>

Log of Well

DOC. NO. 122473
WATER WELL LOG # 67
Form No. 18
8-60

T. MCKONE

County

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER
BROCKWAY, MONT.

HAGLIN WATER WELL INC

TYPE OF WELL

Owner UNKNOWN
Driller CIRCA 1914
Date Started 28-18-44
Date Completed

Type of well (Dug, driven, bored, or drilled) Equipment used (Churn, drill, rotary, etc.)

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

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: ft. to ft. Ft. to ft.

Type of screen or perforations

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

Shut-in pressure, for flowing well: sq. in. on: (gts)

Pumping water level at gal. per min.

How tested:

Length of test

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

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>160</td>
<td><strong>UNKNOWN</strong></td>
</tr>
</tbody>
</table>

**DOC. NO.** 122475

**WATER WELL LOG #69**

State of Montana
County of [Name]
Office of Clerk and Recorder.
Filed this 22nd day of June, A.D. 1969.

[Signature]
 Clerk and Recorder
By: [Signature]
Fee: [Amount]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

---

Owner: LAFINE
Address: BRICKNAY,
Mont.
Date well started: 5-11-72
completed: 5-12-72

Type of well: DRILLED
Equipment used: ROTARY

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

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

---

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>From (Fee)</th>
<th>To (Ft)</th>
<th>Kind of Drill</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>2IN</td>
<td>1</td>
<td>130</td>
<td>50FT</td>
<td>67</td>
<td>130</td>
</tr>
</tbody>
</table>

Static water level: FL.W.
Pumping water level: 14'/2 ft.
Max. pumping gallons per minute: 34 gallons.

---

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

Driller's Signature: Drilling Co.
Driller's Address: Jordan, Mont.
LICENSE NO. 29

---

Driller's Log
Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.
Water Well Log # 713
File No. 

Doc. No. 139858

VIC LAPINE

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF McCONE, as

The within instrument was filed for
record on June 26, 1972 at 9:35
A.M., and is duly recorded in
Book of Filed pages

By County Clerk and Recorder

Fee $2.00 Paid.
## GROUNDWATER INDEX

**County:** McCune  
**Twp.:** 18N  
**Rge.:** 2W E

<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>24</td>
<td>Haglund Ranch, Inc.</td>
<td>GW-2</td>
<td>131890</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
<td></td>
<td>122465</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td></td>
<td>122467</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td></td>
<td></td>
<td>122468</td>
<td></td>
</tr>
<tr>
<td>28a</td>
<td>(Driller) Irac. Bend &amp; Gas</td>
<td>GW-2</td>
<td>132287</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>Nepera Ry. Co.</td>
<td>GW-3</td>
<td>106565</td>
<td></td>
</tr>
<tr>
<td>34a</td>
<td>Haglund Ranch, Inc.</td>
<td>GW-2</td>
<td>137461</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td></td>
<td></td>
<td>122470</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: [Name]
Address: [Address]
Driller: [Name]
Address: [Address]
Date of Notice of Appropriation of Groundwater: 6/30/66
Date well started: 6/2/65
Date Completed: 6/30/65
Type of well: Drilled
Equipment Used: Cable (dug, driven, bored or drilled)
Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8&quot;</td>
<td>8 1/2 OD</td>
<td>Surface 100'</td>
<td>100'</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level, for non-flowing Well: 7.0 feet.
Shut-in Pressure for Flowing Well: 30
Pumping Water Level: 16 feet at 25 gal. per minute.
Discharge in gal. per min. of flowing well: 100'
How Tested: Liquid
Length of Test: 1 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)

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

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Form No. 18

T. 18 N  R. 45 E

County  McCone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner  Haglunds Ranch
Address  Brockway, MT

Driller  Jra Bond
Address  Terry, MT

Date Started  Mar 20, 1961
Date Completed  Mar 20, 1961

Location:  Sec. 25 T. 18 N  R. 45 E

Type of well  Drilled
Equipment used  Churn

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

Casing:  0 ft. to 40 ft. Type Steel Size 7"
Casing:  □ ft. to □ ft. Type □ Size □
Casing:  □ ft. to □ ft. Type □ Size □

Perforated or Screened:  Ft. 30 to Ft. 40. Ft. □ to Ft. □

Type of screen or perforations  □

Static Water level, for non-flowing well:  20 feet.
Shut-in pressure, for flowing well:  □ lb./sq. in. on □

Pumping water level:  38' feet at 8 gal. per min.

How tested:  □

Length of test:  1 minute

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

Name

(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>10</td>
<td></td>
<td>dark sand</td>
</tr>
<tr>
<td>10</td>
<td>32</td>
<td></td>
<td>white sand</td>
</tr>
<tr>
<td>32</td>
<td>34</td>
<td></td>
<td>gravel</td>
</tr>
<tr>
<td>34</td>
<td>36</td>
<td></td>
<td>coal</td>
</tr>
<tr>
<td>36</td>
<td>40</td>
<td></td>
<td>blue clay</td>
</tr>
</tbody>
</table>

**Log of Well**

**DOC. NO.** 122466

**WATER WELL LOG # 60**

State of Montana

County of McCone

Office of Clerk and Recorder.

Filed this 22nd day of June A.D. 1861

at 9:00 o'clock A.M.

Thos. J. Dyer
Clerk and Recorder

Ex. Deputy

Fee: None
T. 18 N  R. 45 W

County: McCone

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Haglund Ranch Inc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Brookway, Mont</td>
</tr>
</tbody>
</table>

| Driller | Unnamed |
| Address | |

Date Started: Circa 1912  Date Completed: |

Location: Sec. 26 T. 18 N  R. 45 W  sec. NW 1/4

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used</td>
<td>Other</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 80 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Screen</td>
</tr>
<tr>
<td>Size</td>
<td>5&quot;</td>
</tr>
</tbody>
</table>

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

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

Static Water level, for non-flowing well: 60 feet.

Shut-in pressure, for flowing well: 1 lb./sq. in. on: (date)

Pumping water level: 60 feet 3 gal. per min.

How tested: Pump

Length of test: |

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

<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>90</td>
<td>Ashlar</td>
</tr>
</tbody>
</table>

**DOC. NO.** 122467

**WATER WELL LOG # 61**

State of Montana  
County of McCone  
Office of Clerk and Recorder  
Filed this 22nd day of June, A.D. 19_ at 9 o'clock A.M.

Re: none  
Deputy
<table>
<thead>
<tr>
<th>Form No. 18</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. 18 R. 45</td>
</tr>
<tr>
<td>County: Mccone</td>
</tr>
<tr>
<td>MONTANA BUREAU OF MINES AND GEOLOGY</td>
</tr>
<tr>
<td>RECEIVED</td>
</tr>
<tr>
<td>Butte, Montana</td>
</tr>
<tr>
<td>WATER WELL LOG</td>
</tr>
<tr>
<td>STATE ENGINEER</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>Haglund Ranch, Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Brockway, Mont</td>
</tr>
<tr>
<td>Driller</td>
<td>Bill Johnson</td>
</tr>
<tr>
<td>Address</td>
<td>Terry, Mont</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 1947</td>
</tr>
<tr>
<td>Date Completed</td>
<td>May 1947</td>
</tr>
<tr>
<td>Location:</td>
<td>Sec. 27 T. 18 R. 45 1/4 sec. NE 4 of SE 4</td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

**Equipment used:** Churn Drill

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

**Industri:** [ ] Drainage [ ] Other [ ]

**Casing:**
- 0 ft. to 220 ft. Type: Steel Size: 5 in.
- 220 ft. to 210 ft. Type: Steel Size: 5 in.
- 210 ft. to 210 ft. Type: Steel Size: 5 in.

**Perforated or Screened:**
- 80 ft. to 210 ft. Type: Cut Holes with Acetylene Torch

**Static Water level, for non-flowing well:** 60 feet from top feet.

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

**Pumping water level:** 100 feet at 10 gal. per min.

**How tested:** Bailed

**Length of test:** 2 minutes

**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 - 220</td>
<td>UNKNOWN</td>
</tr>
</tbody>
</table>

WATER WELL LOG # 62  

State of Montana  
County of McCone  
Office of Clerk and Recorder  
Registered this 22nd day of June, A.D., 1913  
At 9:10 clock  
Deputy
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 

Driller: 
Address: 

Date of Notice of Appropriation of Groundwater: 
Date well started: 5/15/67 Date Completed: 5/16/67

Type of well: 
Equipment Used: 
(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 Bore 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 3/4</td>
<td>4 5/8</td>
<td>0</td>
<td>152</td>
<td></td>
</tr>
<tr>
<td>6 3/4</td>
<td></td>
<td>0</td>
<td>3/15</td>
<td>98</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 120 feet.
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 120 feet at 9 gal. per minute.
Discharge in gal. per min. of flowing well: 
How Tested: 
Length of Test: 
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

Show exact depth of bottom.

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

File No. RECIPIENT

DUPLICATE

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

County: 

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

Owner: 
Address: 

Driller: 
Address: 

Date of Notice of Appropriation of Groundwater: 
Date well started: 5/15/67 Date Completed: 5/16/67

Type of well: 
Equipment Used: 
(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 Bore 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 3/4</td>
<td>4 5/8</td>
<td>0</td>
<td>152</td>
<td></td>
</tr>
<tr>
<td>6 3/4</td>
<td></td>
<td>0</td>
<td>3/15</td>
<td>98</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 120 feet.
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 120 feet at 9 gal. per minute.
Discharge in gal. per min. of flowing well: 
How Tested: 
Length of Test: 
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

Show exact depth of bottom.

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 # 671

State of Montana
County of McCone

Office of Clerk and Recorder.

Filed this 20th day of May, A.D. 1969
at 11:55 o'clock A.M.

[Signature]
Clerk and Recorder

By: [Signature]
Deputy

Fee $2.00
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1915

Owner: [Name] Address: [Address]

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

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

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring used since 1915.

Quantities of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent, approximate lengths of periods of use. Spring has been dug out and flows one gallon per minute.

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

Northern Pacific Railway Company
Signature of Owner: [Signature]
Dist. Supervisor, Graz. & Cult., Date: [Date]

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

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

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

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