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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 filled 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: ROYAL A. FEDER
Address: 203 VISTA HUATLA, HAVRE, MT 59501

Date well started: July 18, 1972
Completed: July 23, 1972

Type of well: Drilled
Equipment used: Cable tools
Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □

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

ESTIMATED ANNUAL WITHDRAWAL: 250,000

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*Measured from ground level.
Well developed by,
for ____________ hours.
Power: 1/3 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: ___________________________
Driller's Address: 1609 maple ave, Havre, Montana
LICENSE NO: 15
Ronald Harmon

to

THE PUBLIC

WATER WELL

STATE OF MONTANA
COUNTY OF HILL

Filed m. 30 p. o'clock

AUG 2 1972

R. E. Bjom
COUNTY CLERK

by
DEPUTY

Fee: $2.00 pd.
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
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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
Address
Date well started
Date well completed
Type of well
Equipment used
Water Use

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

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<tr>
<td>7&quot;</td>
<td>5½ / 3</td>
<td>128</td>
<td>162</td>
<td>7/10</td>
<td>99</td>
</tr>
</tbody>
</table>

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

Static water level 10 ft.
Pumping water level 7 ft.
Height at measured gallons per minute, minutes after pumping began.
*Measured from ground level.
Well developed by hours.
Power.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

License No.

Show exact depth of bottom

51,738
426201

AUL. J. KUHR

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA

COUNTY OF HILL

R. E. BLOM, CLERK

Nov. 2, 1972

Feet $2.00 pd.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: V. Hookey
Address: Havre
Driller: Ernest C. Lee
Address: Havre

Date of Notice of appropriation of groundwater: June 5, 1966
Date well started: June 5, 1966
Date completed: June 5, 1966

Type of well: Drilled
Equipment used: Churn

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 Holes</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>6&quot; x 1 D</td>
<td>0</td>
<td>205</td>
<td>1½ x 4</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>90 185 205</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-In Pressure for Flowing Well

Pumping Water Level

How Tested

Length of Test

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

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, the one 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
V. MOONEY

TO

THE PUBLIC

MONTANA

TYPY OF MILL

3:50 p.m.

M. M. M. F. I.

R. E. Blom

COUNTY CLERK

[Signature]

Fee: $2.00 pd.
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:
Please provide the county document filing number for the enclosed groundwater appropriation form made by V. Mooney on March 29, 1972 at 3:50 P.M.

Thank you.

Static Water Level for ppg-flowing well

Shut-In Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

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

(Continue on reverse side)

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

this will be used to irrigate 5 acres

Show exact depth of bottom.

205

Montana § 21

Driller's License Number

Driller's Signature
**Notice of Completion of Groundwater Appropriation by Means of Well**

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEERS**

**County:** Hill

**Notice of Completion of Groundwater Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1963

(Under Chapter 237, Montana Session Laws, 1961)

---

**Owner:** Mooney  
**Address:** Havre

**Driller:** Ernest O. Lee  
**Address:** Havre

**Date of Notice of Appropriation of Groundwater:** May 15, 1963

**Date Completed:** June 5, 1966

---

**Depth of Drilled Hole:**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Bore and Weight of Collar</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; I.D.</td>
<td>205</td>
<td></td>
</tr>
</tbody>
</table>

**Type of Well:** Drilled  
**Equipment Used:** Churn

**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.**

---

**Static Water Level for pump-flowing well:**

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

**Pumping Water Level:** 195 feet

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

**How Tested:**

**Length of Test:** 10 hrs.

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

---

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

---

**Montana # 21**

---

**50/54**
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(10 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: RALPH JACOBINE COOK
Address: Box 532
      WHITEHALL, MONTANA
Date well started: MARCH 24, 1972
completed: APRIL 13, 1972
Type of well: DRILLED
Equipment used: CABLE TOOL
Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

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

Driller's Signature: H. WHITE
Driller's Address: 113, 6TH ST., NO. PHONE 265-4810

HARRE, MONTANA 59841 LICENSE NO. 76

---

Top of Ground

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 2</td>
<td>GRAVELY Silt</td>
</tr>
<tr>
<td>2 to 4</td>
<td>GRAVELY GREY CLAY</td>
</tr>
<tr>
<td>4 to 6</td>
<td>UNCONFORMABLE GREY CLAY</td>
</tr>
<tr>
<td>6 to 8</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>8 to 10</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>10 to 12</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>12 to 14</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>14 to 16</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>16 to 18</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>18 to 20</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>20 to 22</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>22 to 24</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>24 to 26</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>26 to 28</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>28 to 30</td>
<td>BROWN SAND</td>
</tr>
<tr>
<td>30 to 32</td>
<td>BROWN SAND</td>
</tr>
</tbody>
</table>

---

N

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

Driller's Address: 113, 6TH ST., NO. PHONE 265-4810

HARRE, MONTANA 59841 LICENSE NO. 76

---

232 Show exact depth of bottom

57, 413
RALPH COOK & JACQUELINE COOK

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA
COUNTY OF HILL
Filed at 10:45 o'clock A.M.
ON FEB 14 1973

R. E. Blom
COUNTY CLERK

W. Daley
DEPUTY

Fee: $2.00 pd.
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, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: WILLIAM F. FLORENCE Hinkle
Address: 364 Hauser, Montana

Driller: ALL-AMP DRILLING SERVICE
Address: Havre, Montana

Date of Notice of appropriation of groundwater: May 20, 1968
Date well started: May 20, 1968
Date completed: May 20, 1968

Type of well: Drilled
Equipment used: Cable Tool Rig
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

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>Depth and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>No Perforations</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Water Coming In</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>121</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Shutoff Bottom</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Drive Side At 121 ft.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>Level</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 12 ft.
Shut-in Pressure for Flowing Well 40 ft. A.M.
Pumping Water Level 40 feet at 22 gal. per minute.
Discharge in gal. per min. of flowing well Not Applicable

How Tested: BATER AND TEST PUMP
Length of Test: 10 Hours
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

(Continue on reverse side)

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

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

Driller's Signature.

44, 978
WILLIAM AND FLORENCE HINKLE

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA
COUNTY OF HILL
Filed at 3:30 o'clock P.M.
FEB 4 1969
R. E. BLOM
COUNTY CLERK

DEPUTY
fee: $2.00 paid
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: Loren L. Stark
Address: 1160 Boulevard Ave., Havre, Montana

Date well started: 5/24/71
Completed: 5/27/71

Type of well: Drilled

Equipment used: Cable Tool Rig

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

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

Estimated Annual Withdrawal

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Quality of Water</th>
<th>To</th>
<th>Depth</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8&quot;</td>
<td>6 5/8&quot; &amp; 1 foot</td>
<td>175</td>
<td>Above</td>
<td>ground level</td>
</tr>
</tbody>
</table>

Static water level: 36.5 ft.
Pumping water level: 80 ft.
at 1600 gallons per minute, measured 300 minutes after pumping began.

Measuring from ground level. Well developed by 3/4 HP pump for 6 hours.

Power: Generator, 3/4 HP

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

1st Addition to Hinkle Sub-Division, Lot 2, Sec. 4, T. 34 N., R. 123, W. 2

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

Driller's Signature: H.H. Drilling Service
Driller's Address: 1123 6th Street North, Havre, Montana

County: Hill

License No.: 46

Show exact depth of bottom

49567
421277

LOREN L. STARR

TO

THE PUBLIC

NOTICE OF COMPLETION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA
COUNTY OF HILL
Filed at 2:15 P.M.
JUN 3 1971
R. E. BLOM
COUNTY CLERK

DEPUTY

fee: $2.00 paid
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: John H. Buck
   Address: 513 W. 4th
   Town: Great Falls
   County: Lewis
   State: Montana
   
   Have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1962 as follows:

2. The beneficial use of which the claim is based
   Irrigation

3. Date or approximate date of earliest beneficial use; and how continuously the use has been
   May 3, 1961

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

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
   10 acres, Anytown

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
   May 3, 1961

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
   1/2 in. casing, 100 ft. casing, 112 ft

10. The estimated amount of groundwater withdrawn each year
   120,000 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
   Check with records

Signature of Owner: John H. Buck
Date: Dec. 31 - 1963

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.
397117

JOHN W. BLYK

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA)
nss.
COUNTY OF HILL

Filed at 11:00 o'clock a.m.
on DECEMBER 4, 1963

COUNTY CLERK
DEPUTY

Fees $2.00 pd.
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Charles J. Dee</th>
<th>Address</th>
<th>Avre, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>J. M. Black</td>
<td>Address</td>
<td>Chinook, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 14th, 1957</td>
<td>Date Completed</td>
<td>May 17th, 1957</td>
</tr>
<tr>
<td>Location</td>
<td>Sec: 5, T: 32, R: 1b, S.W.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

**Equipment used:** Churn Drill

**Water use:** Domestic [x], Stock [x], Irrigation [x]

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft to 134 ft</th>
<th>Type: Iron 20 lb</th>
<th>Size: 7 in.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>Perforated or screened:</td>
<td>130 ft. to 134 ft.</td>
<td>Pl.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td>1/4 drilled</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static Water level, for non-flowing well:** 53 feet.

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

**Pumping water level:** 63 feet at 40 gal per min.

**How tested:** Drillers sand bucket

**Length of test:** 2 hr.

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

- Jet pump 11 gal per min. 20 ft.

(over)
Pbblent of Ground

Top of Ground

0 to 12
Gravelly brown clay
19
Yellowish-brown clay
22
Brown silt & sand (Dry)
37
Brown clay-small boulders
38
Brown sand (Dry)
61
Brown gravelly-brownish clay
64
Brown silt, sand & float coal. Water, approx. 2 ½ GPH
68
Sandy grey clay
70
Grey sand & float coal-water, approx. 2 ½ GPH
76
Sandy grey clay
80
Silty grey clay
89
Sandy grey clay
90
Grey sand-trace of water
111
Grey clay & pebbles
115
Sandy grey clay
124
Gravelly grey clay
128
Sandy & silty grey clay
128a
Grey sand-brown gravel-water, approx. 10 GPH
130
Grey sand & gravel-(few sizes to 1½" diameter)

Water exceeding 20 GPH, with 3 feet of draw down.

Lot 4 - Block 1
City of Missoula, Montana

T 12N R 62E Sec 169 NW 1/4

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

Doc. No. 419908
Filed for record this day of January A.D. 1929

Lot 4, Block 1

N
W
SE
Lot 4 - Block 1

Square-Miles Acres
40-00-00

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

Doc. No. 419908
Filed for record this day of January A.D. 1929

Lot 4, Block 1

N
W
SE
Lot 4 - Block 1

State Water Level for non-flowing well 49' feet.

Shut-In Pressure for Flowing Well: Not applicable

Pumping Water Level: 51' feet at 15 gal. per minute.

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

How Tested: Submersible pump

Length of Test: 12 hours

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

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

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

Driller's License Number

Driller's Signature
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION

STATE OF MONTANA

COUNTY OF HILL

This 11th day of January, 1971, at 2:30 o'clock, p.m.,

DARRYL GLENN & MADELINE ANN LANDES

TO:

THE PUBLIC

R. E. BLOM
COUNTY CLERK

DEPUTY

fee: $5.00 paid
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, 1963, as amended)

Owner: Johnson  Address: Havre, Montana
Driller: Havre Drilling Service  Address: Havre, Montana

Date of Notice of Appropriation of Groundwater: October 14, 1963
Date well started: October 14, 1963
Date completed: October 19, 1963

Type of well: Drilled  Equipment used: Cable Tool Rig
(Deg. driven, bored or drilled) (Cham. drill, rotary or other)
Water use: Domestic  Industrial  Municipal  Stock  Irrigation  Other

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

<table>
<thead>
<tr>
<th>Stratum Description</th>
<th>Date of Notice</th>
<th>Source of Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top of Ground</td>
<td></td>
<td>Non-flowing well</td>
</tr>
<tr>
<td>Soil</td>
<td></td>
<td>Static Water Level for non-flowing well</td>
</tr>
<tr>
<td>Dry sand</td>
<td></td>
<td>Shut-In Pressure for Flowing Well 800, Apr, Pumping Water Level 80, at 18 gal. per minute</td>
</tr>
<tr>
<td>Gravel &amp; clay mix</td>
<td></td>
<td>Discharge in gal. per min. of flowing well Not Applicable</td>
</tr>
<tr>
<td>Sand &amp; gravel-water exceeding 25 gpm</td>
<td></td>
<td>How Tested: Test pump Length of Test: 24 hours</td>
</tr>
<tr>
<td>Fine sand &amp; coarse gravel</td>
<td></td>
<td>Remarks: Gravel packing, cementing, packers, type of shutoff. Cement grout placed around casing from 21 ft. back to 10 ft. level</td>
</tr>
<tr>
<td>Grey sand-Considerable silt, water not clearing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grey sand-Some gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grey sand-Gravel</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grey sand-Gravel-(Fine size to 1/2&quot; diameter) Water exceeding 25 gpm,</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Dec. No. 8409-29 File No. M-3813
Filed for record this 4 day of December, A.D. 1963, 12:00 M. O'clock AM.

Show exact depth of bottom.

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

[Handwritten signature]
MRS. DENNIS JOHNSON

TO

THE PUBLIC

NOTICE OF COMPETITION OF
GROUNDWATER APPROPRIATION

STATE OF MONTANA,
COUNTY OF HILL,

Filed at 10:00 o'clock a.m.

IN JAN 4 1971

R. E. BLOM
COUNTY CLERK

By ...........................................

DEPUTY

fee: $2.00 paid
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

(Unnder 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: DAVID L. VASSEUR
Address: 36 STAR AV, HAVER, MONTANA
Date well started: JUNE 4, 1973
Type of well: DRILLED

Equipment used: Cable tool rig

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

Describe: 

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

ESTIMATED ANNUAL WITHDRAWAL

Top of Ground: (Excl. above sea level)

Length

<table>
<thead>
<tr>
<th>Depth</th>
<th>Flow</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 2</td>
<td>SANDY SOIL</td>
<td></td>
</tr>
<tr>
<td>2 to 4</td>
<td>BROWN CLAY</td>
<td></td>
</tr>
<tr>
<td>4 to 6</td>
<td>BROWN SAND</td>
<td></td>
</tr>
<tr>
<td>6 to 8</td>
<td>BROWN CLAY</td>
<td></td>
</tr>
<tr>
<td>8 to 10</td>
<td>GREY CLAY</td>
<td></td>
</tr>
<tr>
<td>10 to 12</td>
<td>BROWN-GREY CLAY</td>
<td></td>
</tr>
<tr>
<td>12 to 14</td>
<td>SANDY GREY CLAY</td>
<td></td>
</tr>
<tr>
<td>14 to 16</td>
<td>GREY CLAY</td>
<td></td>
</tr>
<tr>
<td>16 to 18</td>
<td>BROWN SAND - FRESH WATER</td>
<td></td>
</tr>
</tbody>
</table>

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

Each small square represents 40 acres.

Driller’s Signature: HAVER DRILLING SERVICE
Driller’s Address: 117 S B St, HAVER, MONTANA 59501
License No. 14
428233

DAVID L. VASSEUR

TO

THE PUBLIC

WATER WELL

STATE OF MONTANA \\
COUNTY OF HILL

Filed at 8:00 o'clock A.M

ON JUN 18 1973

R. E. Blom
COUNTY CLERK

Indexed

Fee: $2.00 pd.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1963)

1. Name of Appropriator: ____________________________
County of: ____________________________
State of: ____________________________

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The contract amount of groundwater withdrawn each year

11. The logs 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 & 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 & Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
JOHN W. BECK

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
Filed at 11 o'clock a.m.
ON DEC. 31, 1963

FEE $2.00 pd.
WATER WELL LOG

Owner: Trancas Corp.  Address: T.22 N. 17E W. 11
Driller: R. L. C.  Address: T.22 N. 17E W. 11
Date Started:  Date Completed: July 23, 1967

Location: Sec. 6  T. 32  R. 15E  1/4 sec. N.E. 1/4 of S.W.

Type of well: Drilled  Equipment used: Churn

Water use: Domestic  Industrial  Stock  Irrigation  Other:

Casing: 2' above ground ft. to 177.4 ft. Type: Merchant Composite 6  C.O. 10,500 ft.
Casing: ft. to ft. Type  Size
Casing: ft. to ft. Type  Size

Perforated or Screened: Ft. 136.2 to Ft. 141. Ft. to Ft.

Type of screen or perforations: Johnson Filtration Paul Julian Industries 3.0 31 ft.

Static Water level, for non-flowing well: feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)
Pumping water level: feet at 25 gal. per min.

How tested: Pump

Length of test: hrs.

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 - 60</td>
<td>Yellow Brown Glacial Till</td>
</tr>
<tr>
<td>60 - 85</td>
<td>Brown Sandy Glacial Till</td>
</tr>
<tr>
<td>85 - 136.5</td>
<td>Soft Sandy Blue Clay</td>
</tr>
<tr>
<td>136.5 - 141</td>
<td>Sand + Gravel</td>
</tr>
</tbody>
</table>

Log of Well

Signed: [signature]

S. T. [signature]

F. L. [signature]

P. J. M. [signature]
**WATER WELL LOG**

**Owner:** Ben Mussler  
**Address:** Havre, Montana  
**Driller:** Lloyd J. Hamberg  
**Address:** Box 110, Butte, Montana  
**Date Started:** April 19, 1961  
**Date Completed:** April 25, 1961

**Location:** Sec. 16 T. 32 R. 35E ½ sec. NE ¼, NE ¼

**Type of well:** Drilled  
**Equipment used:** Screw & socket

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

- **Casing:** 0 ft. to 15 ft.  
  **Type:** screw & socket  
  **Size:** 6" x 6"  
- **Perforated or Screened:** 0 ft. to 15 ft.  
  **Type:**  
  **Size:**

**Static Water level, for non-flowing well:** 154 ft.  
**Shut-In pressure, for flowing well:** 100 lb./sq. in. on: [ ]

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

**How tested:** Bailier  
**Length of test:** approx. 6 hrs.

**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></td>
<td>0</td>
<td>1</td>
<td>top soil</td>
</tr>
<tr>
<td></td>
<td>1</td>
<td>7</td>
<td>brown clay</td>
</tr>
<tr>
<td></td>
<td>7</td>
<td>10</td>
<td>gravel and boulders</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>36</td>
<td>brown clay, sandy</td>
</tr>
<tr>
<td></td>
<td>36</td>
<td>47</td>
<td>yellow clay</td>
</tr>
<tr>
<td></td>
<td>47</td>
<td>69</td>
<td>yellow clay, sandy</td>
</tr>
<tr>
<td></td>
<td>68</td>
<td>76</td>
<td>blue shale</td>
</tr>
<tr>
<td></td>
<td>76</td>
<td>96</td>
<td>blue shale, sandy</td>
</tr>
<tr>
<td></td>
<td>96</td>
<td>105</td>
<td>gray shale</td>
</tr>
<tr>
<td></td>
<td>105</td>
<td>12</td>
<td>gray shale, very sandy, water</td>
</tr>
<tr>
<td></td>
<td>12</td>
<td>13</td>
<td>gray shale, sand</td>
</tr>
<tr>
<td></td>
<td>13</td>
<td>147</td>
<td>gray sandstone</td>
</tr>
<tr>
<td></td>
<td>147</td>
<td>150</td>
<td>blue sandy shale</td>
</tr>
<tr>
<td></td>
<td>150</td>
<td>154</td>
<td>gray sandstone</td>
</tr>
<tr>
<td></td>
<td>154</td>
<td></td>
<td>gray shale</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>well completed</td>
</tr>
<tr>
<td>Depth</td>
<td>Description</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------</td>
<td>---------------------------------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>47 yellow clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>47</td>
<td>68 yellow clay, sandy, silt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>68</td>
<td>76 blue shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>76</td>
<td>96 blue shale, sandy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>96</td>
<td>105 grey shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>121 grey shale, very sandy, water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>121</td>
<td>132 grey shale, silt</td>
<td></td>
<td></td>
</tr>
<tr>
<td>132</td>
<td>147 grey sandstone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>147</td>
<td>150 blue sandy shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>154 grey sandstone</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

| Owner: William Kienzie | Address: Havre, Mont. |
| Driller: Lloyd O. Hanson | Address: Box Elder, Mont. |
| Date Started: April 9, 1968 | Date Completed: April 6, 1968 |
Location: Sec. 8, T. 32 N., R. 16 E., ¼ sec. NE

Type of well: drilled

Equipment used: spudder

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

Casing: 0 ft. to 162 11 ft. Type: screen and socket 4" O.D.

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. MORE to Ft. MORE Ft. MORE to Ft. MORE

Type of screen or perforations:

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

Shut-in pressure, for flowing well:

Pumping water level: 50 feet at 35 gal. per min.

How tested: test pump

Length of test: 4 hours

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</td>
<td>top soil</td>
</tr>
<tr>
<td>1</td>
<td>clay, yellow, some grey</td>
</tr>
<tr>
<td>2</td>
<td>26 clay, yellow, sandy</td>
</tr>
<tr>
<td>28</td>
<td>52 clay, grey, sandy</td>
</tr>
<tr>
<td>52</td>
<td>72 runny sand</td>
</tr>
<tr>
<td>72</td>
<td>79 clay, grey sandy, some gravel</td>
</tr>
<tr>
<td>79</td>
<td>96 clay, grey</td>
</tr>
<tr>
<td>96</td>
<td>112 clay, grey, some gravel</td>
</tr>
<tr>
<td>112</td>
<td>148 clay, grey, sandy</td>
</tr>
<tr>
<td>146</td>
<td>150 clay, grey, silt</td>
</tr>
<tr>
<td>150</td>
<td>168 clay, grey, sandy, some pebbles</td>
</tr>
<tr>
<td>156</td>
<td>168 gravel, water</td>
</tr>
<tr>
<td>166</td>
<td>168 gravel, well completed</td>
</tr>
</tbody>
</table>

Signed: William B. [Signature]
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. **A. J. Sauls**, of **Box 1001**, **Havre**
   (Name of Appropriator) (Address) (Town)

   County of **Hill**
   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
   _____________________________________________________________________
   **Home and Garden**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   _____________________________________________________________________
   1955 - **CONTINUOUS**

4. The amount of groundwater claimed (in minor's inches or gallons per minute)
   _____________________________________________________________________
   20

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
   _____________________________________________________________________
   **Centrifugal Pump - Center of Property**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   _____________________________________________________________________
   **Drilled by A. H. Closter (Hand dug) - Completed about 1955**

8. The depth of water table
   _____________________________________________________________________
   **150 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
   _____________________________________________________________________
   **Casing well - 5 inch - 150 feet Deep**

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

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

Signature of Owner: _____________________________________________________________________
**A. J. Sauls**
Date: **12/30/63**

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

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

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

**31581**
A. J. SAULS

TO

THE PUBLIC

DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
COUNTY OF HILL
FILED on 21-14863
COUNTY RECORD 1863

FEE: $2.00 pd.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. SUNSET MEMORIAL GARDENS, of HAVRE, MONTANA
   (Name of Appropriator) (Address) (Town)
   County of HILL, State of MONTANA
   Have appropriated groundwater according to the Montana laws in effect prior to Jan.
   1, 1962 as follows:

2. The beneficial use on which the claim is based
   irrigation of cemetery

3. Date or approximate date of earliest beneficial
   use; and how continuous the use has been
   August 1965

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

5. If used for irrigation, give the acreage and
   description of the lands to which water has
   been applied and name of the owner thereof
   approx. 15 acres, SUNSET MEMORIAL GARDENS OF
   HAVRE, INC., HAVRE, MONTANA

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

7. The date of commencement and completion of the construction of the well, wells, or
   other works for withdrawal of groundwater
   July 1965

8. The depth of water table 37 ft. from the top of the casing, casing 24 ft. above ground.

9. So far as may be available, the type, size and depth of each well or the general
   specifications of any other works for the withdrawal of groundwater
   Bottom of well 153 feet.

10. The estimated amount of groundwater withdrawn each year
    No meter, depend on weather

11. The log of formations encountered in the drilling of each well if available
    soft blue clay- 103' to 154' 10 ft. sand gravel

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

Signature of Appropriator

Date

Three copies to be filed by the owner with the County Clerk & 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 & Recorder; duplicate to the State Engineer; triplicate to
the School of Mines and quadruplicate for the Appropriator.
SUNSET MEMORIAL GARDENS

TO

THE PUBLIC

DECLARATION OF GROUND WATER RIGHTS
BY MEANS OF A WELL.

STATE OF MONTANA,
COUNTY OF BILL
Filed at 10:00 a.m.

ON JUN 30 1962

G. C. Yeon, County Clerk

By

Sec 42.00 pd
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: J. W. Meekwick
Address: Malta, Montana

Driller: Simpson Drilling Co.
Address: Malta, Montana

Date of Notice of appropriation of groundwater

Date well started: Sept. 1, 1964
Date completed: Sept. 3, 1964

Type of well: DRILLED
Equipment used: Cable tools
(dug, driven, bored or Churn, drill, rotary or drilled)

Water use: Domestic [x] Municipal [ ] Stock [x] 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>7</td>
<td>6 x 4.19 lbs</td>
<td>0</td>
<td>97</td>
<td>xx xx xx</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level: 29 feet
at 10 gallons per minute.

Discharge in gal. per min. of flowing well

How Tested: BALER
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:

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 Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

STATE OF MONTANA
COUNTY OF HILL
Filed at 3:30 P.M.
ON JAN. 21, 1965

R. E. BLOM
County Clerk
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner:</th>
<th>James L. Haney</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address:</td>
<td>5502 Bannock Blvd.</td>
</tr>
<tr>
<td>Driller:</td>
<td>Lloyd J. Stroble</td>
</tr>
<tr>
<td>Address:</td>
<td>5502 Bannock Blvd.</td>
</tr>
<tr>
<td>Date Started:</td>
<td>June 5, 1955</td>
</tr>
<tr>
<td>Date Completed:</td>
<td>June 10, 1955</td>
</tr>
<tr>
<td>Location:</td>
<td>Sec. 9 T 22 W R 15 N 1/4 sec.</td>
</tr>
</tbody>
</table>

| Type of well: | Drilled |
| Equipment used: | (Dug, driven, bored, or drilled) |
| Water use: | Domestic [X] 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: | 60 ft. feet at gal. per min. |
| How tested: | 15 gage |
| Length of test: | |
| Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) |

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>15</td>
</tr>
<tr>
<td>15</td>
<td>38</td>
</tr>
<tr>
<td>38</td>
<td>43</td>
</tr>
<tr>
<td>43</td>
<td>74</td>
</tr>
<tr>
<td>74</td>
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<td>83</td>
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<td>108</td>
<td>115</td>
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<td>115</td>
<td>163</td>
</tr>
<tr>
<td>163</td>
<td>211</td>
</tr>
<tr>
<td>211</td>
<td>213</td>
</tr>
<tr>
<td>213</td>
<td>260</td>
</tr>
<tr>
<td>260</td>
<td>283</td>
</tr>
<tr>
<td>283</td>
<td>310</td>
</tr>
<tr>
<td>310</td>
<td>359</td>
</tr>
<tr>
<td>359</td>
<td></td>
</tr>
</tbody>
</table>

Signature: [Signature]

Date: [Date]
## WATER WELL LOG

### Owner
- **Name:** Raymond J. Remington
- **Address:** [Address Information]

### Driller
- **Name:** [Driller Name]
- **Address:** [Driller Address]

### Date Started
- **Date:** April 01, 1957

### Date Completed
- **Date:** April 23, 1957

### Location
- **Section:** 7
- **Township:** T 32 N
- **Range:** R 15 E

### Type of Well
- **Type:** [Type of Well]
- **Equipment Used:** [Equipment Used]

### Water Use
- **Domestic:** [x]
- **Municipal:** [ ]
- **Stock:** [ ]
- **Irrigation:** [ ]
- **Industrial:** [ ]
- **Drainage:** [ ]
- **Other:** [ ]

### Casing
- **Casing:** [ ]
- **Size:** [ ]

### Perforated or Screened
- **Perforated or Screened:** [ ]

### Static Water Level
- **For non-flowing well:** [ ]

### Shut-In Pressure
- **For flowing well:** [ ]

### Pumping Water Level
- **Feet at:** [ ]

### How Tested
- **Test Method:** [ ]

### Length of Test
- **Duration:** [ ]

### Remarks
- **Remarks:** [ ]

---

**(Over) B. Untersigniert: Raymond J. Remington**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>clay</td>
</tr>
<tr>
<td>90</td>
<td>sand, white, gray</td>
</tr>
<tr>
<td>150</td>
<td>grain</td>
</tr>
</tbody>
</table>
DOUGLAS J. REMINGTON
TO
THE PUBLIC
WATER WELL LOG

STATE OF MONTANA
COUNTY OF HILL
Filed at 11:00 a.m., Sep 11, 1959

G.C. YECH, COUNTY CLERK

Fee $1.00 paid
**WATER WELL LOG**

**Owner:** Melvin C. & Lila B. Akra  
**Address:** Box 192, Anaconda, Montana

**Driller:** Lloyd G. Hider  
**Address:** Box 102, Eider, Montana

**Date Started:** April 17, 1959  
**Date Completed:** April 23, 1959

**Location:** Sec. 9, T. 32 N., R. 15 E., 1/4 sec.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Churn Drill</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>6&quot;</th>
<th>ft. to</th>
<th>150</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Size</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Perforated or Screened: | 0 ft. to | 0 ft. | Ft. to | Ft. |

| Type of screen or perforations: | none |

**Static Water level, for non-flowing well:** 65 ft. from surface  
**Shut-in pressure, for flowing well:** [ ] lb./sq. in. on: [ ] (date)

**Pumping water level:** [ ] feet at: [ ] gal. per min.

**How tested:** [ ]

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

**Received:**

**(over)**

*Note: The signature at the bottom is not clear enough to transcribe.*
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>top soil</td>
</tr>
<tr>
<td>1</td>
<td>sandy clay, yellow</td>
</tr>
<tr>
<td>10</td>
<td>yellow clay, some gravel</td>
</tr>
<tr>
<td>17</td>
<td>yellow clay</td>
</tr>
<tr>
<td>34</td>
<td>sandy clay, yellow</td>
</tr>
<tr>
<td>45</td>
<td>gravelly clay</td>
</tr>
<tr>
<td>62</td>
<td>grey clay</td>
</tr>
<tr>
<td>85</td>
<td>quick sand</td>
</tr>
<tr>
<td>85-88</td>
<td>grey sandy clay</td>
</tr>
<tr>
<td>97</td>
<td>sandy grey clay</td>
</tr>
<tr>
<td>114</td>
<td>sandy clay, gravel</td>
</tr>
<tr>
<td>142</td>
<td>sand</td>
</tr>
<tr>
<td>149</td>
<td>gravel, sand and water</td>
</tr>
<tr>
<td>149</td>
<td>gravel</td>
</tr>
<tr>
<td>Depth (ft)</td>
<td>Description</td>
</tr>
<tr>
<td>-----------</td>
<td>-------------------</td>
</tr>
<tr>
<td>45</td>
<td>gravelly clay</td>
</tr>
<tr>
<td>62</td>
<td>gray clay</td>
</tr>
<tr>
<td>85</td>
<td>quick sand</td>
</tr>
<tr>
<td>98</td>
<td>gray sandy clay</td>
</tr>
</tbody>
</table>

**STATE OF MONTANA**

**COUNTY OF HILL**

Filed at __________ o'clock P.M.

ON JUN 29 1959

G. C. Yocum
COUNTY CLERK

By ______________ DEPUTY

372295

HELMIR C. & LILA B. AKRA

TO

THE PUBLIC

WATER WELL LOG
WATER WELL LOG

Owner: William Fitzgerald  Address: Havre, Mont.
Driller: Lloyd G. Hemberg  Address: Box Elder, Mont.
Date Started: Aug. 9, 1958  Date Completed: Aug. 14, 1958
Location: Sec. 9  T.32  R.4 W.1/2 sec. Sohm sub-division Lot #4

Type of well: Drilled  Equipment used: Spudder

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

Casing: 0 ft. to 142 ft. Type: Screw and socket  Size: 6" O.D.
Casing: □ ft. to □ ft. Type: □  Size: □
Casing: □ ft. to □ ft. Type: □  Size: □
Perforated or Screened: None  to ft. None  Ft. none  to ft. None
Type of screen or perforations: None

Static Water level, for non-flowing well: From surface 65 ft. feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)
Pumping water level: 70 feet at 35 gal. per min.
How tested: Pump
Length of test: Six hours
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

□ -□ (over)
<table>
<thead>
<tr>
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<th>Description of Material Drilled</th>
</tr>
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<tbody>
<tr>
<td>0</td>
<td>top soil</td>
</tr>
<tr>
<td>1 - 6</td>
<td>sandy clay, yellow</td>
</tr>
<tr>
<td>7 - 18</td>
<td>gravelly clay, yellow</td>
</tr>
<tr>
<td>19 - 28</td>
<td>boulders, clay, yellow</td>
</tr>
<tr>
<td>29 - 48</td>
<td>sandy clay, yellow</td>
</tr>
<tr>
<td>49 - 68</td>
<td>gravelly clay, yellow</td>
</tr>
<tr>
<td>69 - 84</td>
<td>sandy clay, grey</td>
</tr>
<tr>
<td>85 - 97</td>
<td>rummy sand, grey</td>
</tr>
<tr>
<td>98 - 112</td>
<td>sandy clay, grey</td>
</tr>
<tr>
<td>113 - 142</td>
<td>clay, very sandy, some gravel</td>
</tr>
<tr>
<td>143 - 145</td>
<td>sand</td>
</tr>
<tr>
<td>146 - 162</td>
<td>fine gravel and sand, water</td>
</tr>
<tr>
<td>163</td>
<td>coarse gravel, well completed</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)

County of ___________ State of _________

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

1. Name of Appropriator: Jane Murphy
   Address: 1200 2nd St., Columbia
2. The beneficial use on which the claim is based: Stockwater and Irrigation
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1/1/52
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 gpm
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 10 acres, Greene
   Signature: Jane Murphy
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Manual Pump
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1/1/52
8. The depth of water table: 20
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: Clay, 8', 6.2'' casing, Aug. 14, 1952
10. The estimated amount of groundwater withdrawn each year: 200,000
11. The log of formations encountered in the drilling of each well if available: Clay, 8', gravel, 6'
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: Jane Murphy
Date: 1-2-62

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.
DOCUMENT NO. 386834

VANCE MURPHY
TO
THE PUBLIC

DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA, in COUNTY OF MILL.Filed on CO: O'NEAL, Esq.
ON JAN 2 1962
G.C. YEON COUNTY REC.
By:

FEE $2.00- paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. James Murphy, of 1403 2nd St. Anaconda.
   (Name of Appropriator) (Address) (Town)
   County of Missoula 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: Farm and Garden Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: August 1, 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 32 gpm

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 20 acres under Garden Irrigation

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: August 1, 1960

8. The depth of water table: 7 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: 20,000

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: James Murphy
Date: Jan. 2, 1960

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; Tripplicate to the School of Mines and Quadruplicate for the Appropriator.
DOCUMENT NO. 38683

VANCE MURPHY

TO

THE PUBLIC

DECLARATION OF VESTED
GROUNDWATER RIGHTS

STATE OF MONTANA,
COUNTY OF MILK,

FILED ON JAN 2 1962

G.C. YEON,
COUNTY CLERK

BY: DEPUTY

FEE $2.00 - PAID
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. William R. Kickaush, of West of Havre
   (Name of Appropriator) (Address) (Town)
   County of Hill, State of Montana

   Have appropriated groundwater according to the Montana laws in effect prior to Jan.
   1, 1962 as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
      1936 - Continuous
      Since that date

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      15 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
      Used for Irrigation
      of Local Trees and Garden

   6. The means of withdrawing such water from the ground and the location of each well or other
      means of withdrawal
      Reciprocating Pump - One Well Only

   7. The date of commencement and completion of the construction of the well, wells, or
      other works for withdrawal of groundwater
      1936

   8. The depth of water table
      Unknown

   9. So far as it may be available, the type, size and depth of each well or the general
      specifications of any other works for the withdrawal of groundwater
      Drilled Well, 6 inch casing, 140 feet deep

   10. The estimated amount of groundwater withdrawn each year
      400,000 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
      No Other Information Available

   Signature of Owner: William R. Kickaush
   Date: December 5, 1962

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

PLEASE ANSWER ALL QUESTIONS. IF NOT APPLICABLE, SO STATE, OTHERWISE THE FORM WILL BE RE-

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

HILL AND N. HENDRICKSON

TO

THE PUBLIC

IN DEFAULT OF PAYMENT

PAPER COMMISSION

STATE OF MONTANA,
COUNTY OF HILL
Filed at 2 o'clock A.M.
ON DEC 16 1963
R. E. Bloom
COUNTY CLERK

Pens $12.00 pd.
**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE — DEPARTMENT OF NATURAL RESOURCES**
**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, to state, otherwise the form may be returned.

**Owner**

Georgiann Streitz

**Address**

Star A-36
Havre, Montana

**Date well started**

GW 1
6/22/71

**Type of well**

DRILLED

**Equipment used**

CABLE TOOL RIG (Churn drill, rotary or other)

**Water Use**

Domestic ☑  Municipal ☐  Stock ☐  Irrigation ☐  Industrial ☐  Drainage ☐  Other ☐  Garden/Lawn ☒

Describe

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

---

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

*EACH SMALL SQUARE REPRESENTS 40 ACRES.*

---

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

---

**Driller's Signature**

---

**Driller's Address**

Havre, Montana  LICENSE NO. 46
STATE OF MONTANA
COUNTY OF HILL
MCP 1852
WATER WELL

To the Public

COUNTY & GEOGRAPHIC PERIMETER

[Signature]

[Date]