DECLARATION OF VESTED GROUND-WATER RIGHTS

FRANK LOVEELL

RECEIVED
POWELL COUNTY, MONTANA

February 13th, 1966
at __________ minutes past __________ o'clock
P. M.

Daniel E. Hertz, Jr.
Clk. & Recorder

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

(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 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: John Hancock
Address: 55701 Axt, Helena, MT 59601
Date well started: July 21, 1972
Well completed: ______

Type of well: Drilled

Equipment used: Churn drill

Water Use: Domestic

*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

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size and</th>
<th>Depth</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hole</td>
<td>of Holes</td>
<td>(Feet)</td>
<td>(Feet)</td>
</tr>
<tr>
<td>6&quot;</td>
<td>5/3&quot;</td>
<td>+1'</td>
<td>24'</td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Kind</th>
<th>Size</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cutting torch</td>
<td>18'</td>
<td>23'</td>
</tr>
</tbody>
</table>

Static water level: 6 ft.
Pumping water level: 18 ft.

Power: __ HP

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

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

Driller's Signature: John Hancock
Driller's Address: 2004 Harvard Ave.

Note: Montana LICENSE NO. 851,382

24' Show exact depth of bottom
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

KEN MORELEY

RECEIVED
POWELL COUNTY, MONTANA
September 14th, 1972
at 2:55 o'clock

By

Fee $2.00
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

(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:** Ken Morley  
**Address:** Deer Lodge, Montana  
**Date well started:** July 20, 1972  
**Type of well:** Drilled  
**Equipment used:** Churn Drill  
**Water Use:** Domestic

---

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Initial Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Kind</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8&quot; ed.</td>
<td>200</td>
<td>+1'</td>
<td>Cutting Torch</td>
<td>33'</td>
<td>38'</td>
</tr>
</tbody>
</table>

---

**Static water level:** 16'  
**Pumping water level:** 1'  
**Power:** 1 HP  
**Remarks:** (Gravel packing, cementing, packers, type of shut off)

---

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

---

**Driller's Signature:**  
**Driller's Address:** Butte, Montana 59701  
**LICENSE NO.:** 8  
**County:** Powell

---

**51,381**
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

KEN MORLEY

RECEIVED

POWELL COUNTY, MONTANA

September 14th, 1972

at ______ minutes past 2:50 o'clock

P.m.

Clerk and Recorder

Fee $ 2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 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: Merle Morman
Address: Deer Lodge, Montana 59722
Date well started: 3/18/69
Completed: 3/20/69
Type of well: Drilled
Equipment used: Churn drill
Water Use: Domestic

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; I.D. 17 lb.</td>
<td>0'</td>
<td>128'</td>
<td>cutting</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>torch</td>
</tr>
</tbody>
</table>

Static water level: 35 ft.
Pumping water level: 47 ft.

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

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

Driller's Signature: O'KEEFE CONTRACTING COMPANY
Driller's Address: 2804 Harvard Avenue
Butte, Montana 59701
LICENSE NO. 128

Show exact depth of bottom

Counties

53,970
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

MERLE NORMAN

RECEIVED
POWELL COUNTY, MONTANA

May 3rd, 1973
At ______ minutes past ______ o'clock A.M.

By ____________________________
Asst. Deputy

Fee $2.00
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: Robert A. Smith Address: Deer Lodge
Driller: C. F. Sable Address: Rte. 1 Millcreek Anaconda, Montana

Date of Notice of appropriation of groundwater: August 4, 1967
Date well started: August 4, 1967 Date completed: August 8, 1967

Type of well: Drilled Equipment used: Churn Drill
(Dig, driven, bored or drilled) (Churn drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Size of Casing</th>
<th>Kind of Strata</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&quot;</td>
<td>91 ft. Sand, Gravel, Clay mix Intermittent layers</td>
<td>26 lbs. per ft.</td>
<td>3/16x5&quot;</td>
<td>126</td>
<td>131</td>
</tr>
<tr>
<td>93 ft. Sand, Gravel Water bearing (Pumped)</td>
<td>3 gal. per min.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>126 ft. Sand, Gravel, Clay mix Intermittent layers</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>131 ft. Sand, Gravel Water bearing</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 39 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level 90 feet
Discharge in gal. per min. of flowing well

How Tested: Bailed
Length of Test: 3 hrs.
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.

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:

File No.:
County:
Duplicate Log:
Top of Ground
(Elev. above sea level)
2 ft. Topsoil

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).

Show exact depth of bottom.

45731
POWELL COUNTY, MONTANA

October 14th, 1969

at ___________ minutes past 11:20 o'clock

A.M.

Elta McDonald

Clerk and Recorder

By: __________________________

Deputy

Fee $_________
Recently a copy of a groundwater appropriation form,

- GW 1, Notice of Appropriation of Groundwater
- X GW 2, Notice of Completion of Groundwater Appropriation by means of Well
- ___ GW 3, Notice of Completion of Groundwater Appropriation without Well
- ___ GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner Robert A. Smith
Address Deer Lodge, Montana 59722
Location Deer Lodge, Montana
Document No. 82623

The form is complete as filed. This is to inform you that your GW form has been received and no further action is necessary on your part.

X The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please indicate exact location of well site by Township, Range, Section.

Other.

County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

[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, 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
Recently a copy of a groundwater appropriation form,

GW 1, Notice of Appropriation of Groundwater

GW 2, Notice of Completion of Groundwater Appropriation by means of Well

GW 3, Notice of Completion of Groundwater Appropriation without Well

GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by S. of Deer Lodge

Owner Robert A. Smith Address Deer Lodge, Montana 59722

Location Deer Lodge, Montana 59722

The form is complete as filed. This is to inform you that your GW form has been received and no further action is necessary on your part.

The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please indicate exact location of well site by Township, Range, Section.

Other.

County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

Douglas A. Smith

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

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, 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 by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Owner: Robert A. Smith
Address: Deer Lodge

Driller: C. F. Welsch
Address: Stu. 1, Millcreek
Anaconda, Montana

Date of Notice of appropriation of groundwater: August 4, 1967

Date well started: August 4, 1967
Date completed: August 8, 1967

Type of well: Drilled
Equipment used: Churn Drill

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>Depth</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>91 ft</td>
<td>Sand, Gravel, Clay mix Intermittent layers</td>
</tr>
<tr>
<td>93 ft</td>
<td>Sand, Gravel Water bearing (Pumped) 9 gal. per min.</td>
</tr>
<tr>
<td>126 ft</td>
<td>Sand, Gravel Clay mix Intermittent layers</td>
</tr>
<tr>
<td>131 ft</td>
<td>Sand, Gravel Water bearing</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th>Depths (Feet)</th>
<th>Weight of Gravel (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>78</td>
<td>28</td>
</tr>
<tr>
<td>W</td>
<td>3/165</td>
<td>126</td>
</tr>
<tr>
<td>E</td>
<td>131</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 39 feet

Shut-in Pressure for Flowing Well: 90 feet at 20 gal. per minute

Discharge in gal. per min. of flowing well: 3 hrs.

How Tested: Raled

Length of Test: 3 hrs.

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

Indicate location of well and place of use, if possible. Each small square represents 4 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, 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: 62
Driller's Signature: [Signature]

County: Jefferson
Powell

State of Montana
Administrator of Groundwater Code
State Water Conservation Board
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: George Rennfield
Address: Deer Lodge, Montana

Date well started: August 15, 1963
Completed: August 18, 1963

Type of well: Drilled
Equipment Used: Churn drill

Water Use: Domestic □ Municipal □ Other □ Irrigation □

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

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

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Height (Feet)</th>
<th>Weight (Cubic Yards)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6' 17'</td>
<td>torch</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 6' 17'

Shut-in Pressure for Flowing well:

Pumping Water Level: 25 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Centrifugal pump test 4 hrs.

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.

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.
73832

NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION BY MEANS OF WELL

GEORGE L. BENNIFIELD

RECEIVED

POWELL COUNTY, MONTANA

March 16th, 1964

at _______ minutes past 10:55 o'clock A.M.

Daniel R. Hart, Jr.
Clerk and Recorder

By .......................... Deputy

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1931
Owner: Don F. Valiton and
Margaret B. Valiton
Address: Deer Lodge, Montana

Contractor (if any)
Address of Contractor

Date Started 1931 Date Completed 1932

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. a borrow pit was dug alongside of U.S. Highway No. 10 — on each side of the highway — at the time it was constructed through owner's lands. (This highway has since been abandoned.) The borrow pit gathered underground water, which has been used since 1931 for stock water; and is suitable for irrigation; and has been used for the latter.

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 20% is a small part of the total flow; and this is used year around for stock water and for irrigation, during the growing season.

Signature of Owner Margaret B. Valiton
Date: December 31, 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 School of Mines and quadruplicate for the Appropriate.
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

DON F. VALITON, ET UX

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at ______ minutes past 5:09 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By: _____________________________ Deputy

Fee $2.00 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, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner:                      Address:  
Driller:                    Address:  
Date of Notice of appropriation of groundwater:  
Date well started:  
Date completed:  
Type of well:  
Equipment used:  
Water use:  

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></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

How Tested:  
Length of Test:  
Remarks:  

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

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

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

872853.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

RICHARD FINKBEINER

RECEIVED
POWELL COUNTY, MONTANA
April 6th, 1973
11 minutes past 1:30 o'clock
P. M.

M. E. MILLER
Clerk and Recorder

By: 
Asst. Deputy

Fee $ 2.00
Notice of Completion of Groundwater Appropriation by Means of Well Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: HAMBLETON
Address: 1201 Ca$h Pk. 4749

Date of Notice of Appropriation of groundwater: Sept 16, 1955
Date Well started: Sept 16, 1955
Date completed: Sept 16, 1955

Type of well: Drilled
Equipment used: Churn Drill
(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.

Static Water Level for non-flowing wells
Shut-in Pressure for flowing wells
Pumping Water Level
Discharge in gal. per min. of flowing well

How Tested: Bailing
Length of Test: 3 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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).

Driller's Registration No.: 1806
Driller's License Number: Robert Price
Driller's Signature: Robert Price

Total: 6 feet.
Shut-in Pressure for flowing wells: 65 feet.
Discharge in gal. per min. of flowing well: 15 gal. per minute.

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

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.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

JOED D. GABELHE et ux

RECEIVED
POWELL COUNTY, MONTANA

May 11th 1972
at _ minutes past _ o'clock

By: [Signature]

Asst. 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, 1967)

Paul C. Elberson  Dore Lodge

County of Powell

1. (Name of Appropriator) (Address) (Town) (State of Montana)

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since that date: [Date]

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 25 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: [Acreage]

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

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

8. The depth of water table: 20 ft

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

10. The estimated amount of groundwater withdrawn each year: 20,000 gal per year

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

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

Signature of Owner: [Signature]

Date: Dec. 26, 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.
DECLARATION OF VESTED GROUND-WATER RIGHTS

POWELL COUNTY, MONTANA

December 26th, 1963

at ______ minutes past 9:55 o'clock A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid

By Deputy
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. Walter J. Reilly, 40 Lec, Deep Lodge, Powell, Mont.

2. The beneficial use on which the claim is based: House, field, garden, and lawn.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 40 gal per min.

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

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

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: 10 ft to 18 ft...

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 2.5 x 2.0', deep...

10. The estimated amount of groundwater withdrawn each year: About 91,000 gal per 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: Walter J. Reilly

Date: 11-13-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

WALTER J. RLLLY

RECEIVED
POWELL COUNTY, MONTANA

November 13th, 1963
at minutes past 9:40 o'clock
A.M.

Daniel E. Hertz, Jr.
Clerk and Recorder

By
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)

Frank B. Winner

(Name of Appropriator) of Deer Lodge
(Address) (Town)

County of Powell 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

Irrigation, stockwater and domestic use

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

June 2, 1952

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

10 inches

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

Section 13, T7N, R9W.

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

Free flowing

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

June 2, 1952

8. The depth of water table

Surface

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

Well tapped by means of flume

10. The estimated amount of groundwater withdrawn each year

40 million inches

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

Not applicable

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

No records

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.
DECLARATION OF VESTED GROUND-WATER RIGHTS

FRANK B. WISNER

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at ___________ minutes past ___________ o'clock
P.M.

Daniel B. Hertz, Jr.
 Clerk and Recorder

By ____________________________ Deputy

Fee $2.00 Paid
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Frank B. Wisner, of Deer Lodge, Powell County, 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: Irrigation, stockwater and domestic use.

3. Date or approximate date of earliest beneficial use: Nov. 1, 1955.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 25 miner's inches.

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: Section 14, T2N, R9W.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Nov. 1, 1955.

8. The depth of water table: Surface.

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

10. The estimated amount of groundwater withdrawn each year: 40 million 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 record.

Signature of Owner: Frank B. Wisner.

Date: December 31, 1963.

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approprietor.
DECLARATION OF VESTED GROUND-WATER RIGHTS

FRANK B. WISNER

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at ________ minutes past ________ o'clock P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By ________________________________
Deputy

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: About 1943

Owner: Henry Schiele
Address: Box 533, Deer Lodge
Previous owner: Max Moore

Address of Contractor: Deer Lodge, Montana

Contractor (if any): Max Moore
Address of Contractor: Deer Lodge, Montana

Date Started: About 1943
Date Completed: About 1943

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Cleaned spring, developed water and encased spring with concrete box.

SW ¼, NE ¼, Sec. 14, T.7 N., R. 9 W.

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate average lengths of periods of use in spring flows 50", in late summer decreases to 15", and is used for domestic, irrigation, and stock water purposes. Measured by weir.

Signature of Owner: Henry Schiele
Date: November 18, 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.
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION WITHOUT WELL

HENRY SCHIELE

RECEIVED
POWELL COUNTY, MONTANA

November 18th, 1962
at ______ minutes past 4:00 o'clock
P.M.
Daniel B. Herz, Jr.
Clerk and Recorder
By
Deputy

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: July 7, 1963
Owner: Henry Schiele
Address: Box 533, Deer Lodge
Contractor (if any): Self
Address of Contractor:

Date Started: July 7, 1963
Date Completed: July 23, 1963

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Bug ditch to top swamp area and springs and to flow water to Peterson Creek and to then divert water from Peterson Creek to use for irrigation

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 80" of water developed and used for irrigation during months of May through October.

Measured by weir.

Signature of Owner: Henry Schiele
Date: November 18, 1965

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.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

HENRY SCHIELE

RECEIVED
POWELL COUNTY, MONTANA

November 18th, 1963
at ______ minutes past 3:55 o'clock

P. M.

Daniel B. Hartz, Jr.
Clerk and Recorder

By________________________
Deputy

Fee $2.00 Paid
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 227, Montana Session Laws, 1961)

STATE ENGINEER

1. M. Buene and Nancy L. Young, of Box 2, Deer Lodge, Powell County, 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 - General: Household, lawn and garden use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been - October 1, 1956 - Small amount for building purposes.

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater - September 22, 1956 - September 24, 1961.

8. The depth of water table - 26 feet to water.

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 - 6 inch casing, 40 feet deep.

10. The estimated amount of groundwater withdrawn each year - 70,000 gallons.

11. The log of formations encountered in the drilling of each well if available - 2 feet topsoil, 14 feet sandy clay, 10 feet fine gravel, 14 feet sandy clay.

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 - Nancy L. Young

Date - August 22, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

M. DUANE YOUNG, ET UX

RECEIVED
POWELL COUNTY, MONTANA

August 28th 1963
at _______ minutes past ______ o'clock
P. M.
Daniel B. Hertz, Jr.
Clerk and Recorder

By _______ 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)

(Name of Appropriator) (Address) (Town)
County of State of

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1860 and thereafter

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 gallons per minute

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

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: 1860

8. The depth of water table: 8 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 3.5 in. dia. 60 ft deep, Dug Well

10. The estimated amount of groundwater withdrawn each year: 182,500

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

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

Signature of Owner: Melvin E. Rusted
Date: Dec. 31, 1963

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

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

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

MELVIN E. REISTAD

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at minutes past 4:35 o'clock
P.M.
Daniel B. Hertz, Jr.
Clerk and Recorder

By
Deputy

Fee $2.00 Paid
**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

1. **DONALD E. MISCELLANEOUS**, of DEER LODGE, Powell County, Montana.  
   - **Address**: Powell
   - **Town**: Deer Lodge  
   - **State**: Montana

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

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

2. The beneficial use on which the claim is based: **SANDY GRAVEL PLANT IRRIGATION**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since drilling: **MARCH 1952**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **100 G.P.M.**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **10 ACRES IN NW/4 SW/4 SEC 20**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **PUMP IN NW/4 SW/4 SEC 20**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **FEBRUARY 1952 (CONSTRUCTED & COMPLETED)**

8. The depth of water table: **40 FT. FROM TOP OF GROUND**

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, Casing X 180 DEEP**

10. The estimated amount of groundwater withdrawn each year: **50,000**

11. The log of formations encountered in the drilling of each well if available: **CONGLOM RATE FOR 32, THEN ALTERNATING FINE GRAVEL AND CLAY SEAMS**

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**: Donald E. Miscellaneous  
**Date**: 12-23-63

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; Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUND-WATER RIGHTS

DONALD E. MICKELSON

RECEIVED
POWELL COUNTY, MONTANA

December 23rd, 1963
at _________ minutes past 4:00 o'clock
P.M.

Daniel B. Hartz, Jr.
Clerk and Recorder

By ________________________
Deputy

Fee $2.00 Paid
# WATER WELL LOG

**Well No 1**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>W. E. Schurle</td>
<td>Deer Lodge, Miss.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>1917</td>
<td>1917</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: Sec</th>
<th>T</th>
<th>R</th>
<th>Sec</th>
<th>W</th>
<th>E of M W</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>7A</td>
<td>4</td>
<td>7A</td>
<td>4</td>
<td>1</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Woodland and Iron Tubs</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>28</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>6 ft. 13 ft. feet.</th>
</tr>
</thead>
</table>

| Shut-In pressure, for flowing well: | 
|------------------------------------|------------------|
|                                    | (date)           |

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

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well was originally capped up. Retested in 1919.</td>
</tr>
</tbody>
</table>

---

(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>0</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>25</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG No. 3

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic □</th>
<th>Municipal □</th>
<th>Stock □</th>
<th>Irrigation □</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>0 ft. to 20 ft.</td>
<td>Type: Concrete</td>
<td>Size: 4&quot; dia.</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>20 ft. to 40 ft.</td>
<td>Type: Natural Clay</td>
<td>Size: 4.5 ft. square</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>40 ft. to 50 ft.</td>
<td>Type: Concrete</td>
<td>Size: 4.5 ft. dia.</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>from ft. to ft.</td>
<td>Ft. to Ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type of screen or perforations: 38 to 58 ft. dia.

Static Water level, for non-flowing well: Varies with season 8 to 20 ft. deep

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)
## 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>0–15</td>
<td>0</td>
<td>15</td>
<td>Clay, rock, and gravel</td>
</tr>
<tr>
<td>15–43</td>
<td>15</td>
<td>43</td>
<td>Clay</td>
</tr>
<tr>
<td>43–44</td>
<td>43</td>
<td>44</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>44–58</td>
<td>44</td>
<td>58</td>
<td>Clay</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: W. T. Schmidt
Address: Deer Lodge, Mont.

Driller: Address:

Date Started: 1927 Date Completed: 1927

Location: Sec. 24 T. 7N R. 96 ½ sec. NW ¼ ¼ NW ¼

Type of well: Diamond Drilled equipment used: Diamond and Iowa (Cham drill, rotary, other)

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

Industrial [ ] Drainage [ ] Other:

Casing: 0 ft. to 38 ft. Type Reinforced Size 3½ inch.

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: 23 ½ ft. 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)

In about 1910, a 4-inch d.e. was drilled in southern part of this well 322 ft. deep. No additional water bearing strata was found. Clay all the way down. This hole was plugged because water from deep well was flowing slowly through it.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 30</td>
<td>Clay with some rock</td>
</tr>
<tr>
<td>30 - 31</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>31 - 38</td>
<td>Clay</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation
Without Well
Developed After September 1, 1961
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: October 21, 1908
Owner: Lou C. Nelson
Address: R. 1, Dear Lodge
(Edward Chapman, Original appropriator & claimant)
Contractor (if any): Unknown

Address of Contractor:  

Date Started: Oct. 1908  Date Completed: Oct. 1909

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.): Developed springs in S.E. 1/4 of S. 1/2 of Sec. No. 22 in T. 7 N. R. 10 W. and spring-rising in S. 1/2 of N. 1/2 of Sec. 10.  

2) Means of withdrawing water (gravity, pump, canal, etc.): Gravity

3) Depth of water table: Unknown - Surface

4) Use of the water: Domestic purposes, irrigation and other useful and beneficial purposes.

5) Amount of groundwater claimed (in miner’s inches, or gallons per minute): One cubic foot per second

6) If used for irrigation, give number of acres and description of land: Garden and small pasture

7) Estimate amount of water used each year: Continual use of output

Signature of Owner:  
Date: Oct. 1908

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, an answer is required, otherwise the form will be returned.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Eugene C. Morgan
(Name of Appropgrator)

Powell
(Town)

STATE ENGINEER

MAY 17, 1965

File No. T 7 R 9

County of Powell

1. 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: Human consumption and water supply for greenhouses, lawns, trees, shrubs, etc.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: August 1948

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 gal. per min., estimated

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: E. C. Morgan, for Here's Greenhouses, 8 acres, nursery stock of perennial, 9 acres for Here's Greenhouses

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Myers piston-type pump, 1 pump in boiler pit of greenhouses

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Unavailable, planned well on premises, 1960

8. The depth of water table: 4 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: Open well, 9 in. diameter, 16 ft. from surface to bottom of well

10. The estimated amount of groundwater withdrawn each year: 900,000 gal.

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: The water level in the well has dropped about 2'-3' in past 2 months since a drainage ditch for reclaiming swampland has been under construction in this area.

Signature of Owner: Eugene C. Morgan
Date: 5-13-1965

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 Appropgrator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

EUGENE C. MORGAN

RECEIVED
POWELL COUNTY, MONTANA
May 14th, 1969
at 11:20 o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

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)

County of
State of
Have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. (Name of Appropriator) (Address) (Town)

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

3. Date or approximate date of first continuous use has been:

4. The amount of groundwater consumed in each calendar month, in feet

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.
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: AL Lowrey
Address: Deer Lodge, Montana

Date well started: April 27, 1934

Type of well: Drilled
Equipment used: churn drill
Water Use: Domestic ✔ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Depth of casing</th>
<th>From (Fee)</th>
<th>To (Fee)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8&quot; x .250</td>
<td>4'</td>
<td>70'</td>
<td>64'</td>
</tr>
</tbody>
</table>

Static water level: 30 ft.
Pumping water level: 20 ft.

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

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

Driller's Signature: ____________________________

Drivers Address: 204 Harvard Avenue

Butter, Montana 59701 LICENSE No: 8

70' Show exact depth of bottom

48795
NOTE OF COMPLETION OF GROUND-WATER APPROPRIATION BY MEANS OF WELL

AL LOWERY

RECEIVED
POWELL COUNTY, MONTANA
May 19th, 1971
4:16 p.m.

P. H.
Register and Recorder

By: Asst. Deputy

Fee $ 2.00
**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>L. C. Kelso</td>
<td>R-P-D-1</td>
<td>Deer Lodge</td>
</tr>
</tbody>
</table>

1. County of ________  State of ________  have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: 
   - Domestic - Home, school, garden and stock

3. Date or approximate date of earliest beneficial use; and how continuously the use has been: 
   - Dug well = 1906
   - Drilled well = 1949

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 
   - 10 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: 
   - None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 
   - Dug well completed 1906
   - Drilled well completed 1949

8. The depth of water table: 70 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: 
   - 1906 dug well - 4 ft. diameter casing, 1949 drilled well - 6 in. steel casing

10. The estimated amount of groundwater withdrawn each year: 
    - Household and garden)

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

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 county record

Signature of Owner: L. C. Kelso
Date: Jan 31, 1967

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 Appropriaor.
POWELL COUNTY, MONTANA

January 20th, 1970

at _______ minutes past 11:00 o'clock

By: ________

ELCA McDonough
Clerk and Recorder

By: ________

Deputy

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

1. Lewis Johnson
   (Name of Appropriator)
2. Door Lodge
   (Address)
3. Powell
   (Town)
4. State of Montana
   (State)

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - Established in 1929 and has been in continuous use since.

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - Before 1930.

8. The depth of water table:
   - 60 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   - 6 ft. casing (Steel) with depth of 113 ft.

10. The estimated amount of groundwater withdrawn each year:
    - 600,000 gallons

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

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

Signature of Owner: Lewis Johnson
Date: 12-31-62

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 Montana Bureau of Mines and Geology, and quadruplicate for the Appropriates.
DECLARATION OF VESTED GROUNDWATER RIGHTS

LEWIS JOHNSON

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at minutes past 2:36 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By
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. Allen E. Johnson
(Record of Appropriator)

County of
State of

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

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

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

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

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

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

   Electric Pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   Commenced: 1920
   Completed: 1920

8. The depth of water table:
   10.2 ft. below ground level

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:

   14 ft. Casing

10. The estimated amount of groundwater withdrawn each year:

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

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: Allen E. Johnson
Date: Dec 31, 1963

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

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

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

ALLEN E. JOHNSON

RECEIVED
POWELL COUNTY, MONTANA
December 21st, 1963
at minutes past 3:00 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By Deputy

See $ 2.00 Paid
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 
Driller: O'Keefe Drilling & Decorating Co.
Address: 
Date of Notice of Appropriation of Groundwater
Type of well: Drilled
Equipment Used: Churn
Water Use: 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 the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; 19 ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 15' feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 19' feet at 40 gallons 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)

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

HARVEY F. ELIASON

RECEIVED
POWELL COUNTY, MONTANA

For: July 2nd, 1963
at _______ minutes past ________ o'clock:

A. M.

Daniel B. Harts Jr.
Clerk and Recorder

By: __________________
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. John E. and Margaret M. Murray, of 901 Knox Pennsylvania, Deer Lodge, Mont. (Name of Appropriator) (Address) (Town)

County of Powell 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: Irrigation
   Irrigate lawn

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. This well was dug approximately 50 years ago, it was used continuously for about 30 years, and has been inactive since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Data unknown at this time

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.
   Owners are above Lots 12-11-10- and 1 of Lot 9 Block No. 9 College Addition

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Commencement unknown Completion 1972

8. The depth of water table. Unknown

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

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

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.

Faced for record this 8 day of September 1970.

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 to the Appropriator.
RECEIVED
POWELL COUNTY, MONTANA
September 8th, 1970
10 minutes past 4:00 o'clock
P. M.
Eliza McDonough, Clerk and Recorder

By, Deputy

See $ 2.00 pd.