STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1961
(Under Chapter 287, Montana Session Laws, 1961)

Owner: ORVILLE NORDHAGEN Address: WESTBY, MONTANA

Date of Notice of appropriation of groundwater: OCTOBER, 1971
Date well started: OCTOBER, 1971 Date completed: OCTOBER, 1971

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

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

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, the name and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Defiled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot; x 48&quot; Galvanized</td>
<td>12' 3/8&quot;</td>
<td>9 1/2</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>N</th>
<th>S</th>
<th>E</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing wells:

Gallons per minute:

Length of Test:

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

USE: for irrigation, irrigation, drainage, or other. Kaplan, state number of acres and location of other data in Lat., B might, and Adj.

DOMESTIC AND CATTLE

Show exact depth of bottom:

This form to be prepared by Driller, and these copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, or, if not, be retained by Driller.

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

[Driller's Name]

[Driller's Signature]

[Date]

59,020.
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, as indicated in red on the enclosed form, the county filing document number; and day, month, and hour of the filing.

Thank you.

<table>
<thead>
<tr>
<th>Doc No.</th>
<th>Filed for record this</th>
<th>A.D. 18...</th>
<th>at...</th>
<th>N E 41.4</th>
</tr>
</thead>
<tbody>
<tr>
<td>369/13</td>
<td>9/6/07</td>
<td>12/12</td>
<td>11:00</td>
<td>40 acres</td>
</tr>
</tbody>
</table>

Static Water Level for non-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: (Travel packing, cementing, packers type of shutoff)

Domestic and Cattle

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. A 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
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner. ORVILLE NORDHAGEN Address. WESTBY, MONTANA

Driller. Address. 

Date of Notice of appropriation of groundwater OCTOBER, 1971

Date well started. OCTOBER, 1971

Type of well DUG Equipment used SHOVEL (Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock, 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>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Kind Size</td>
</tr>
<tr>
<td></td>
<td>From (Feet)</td>
<td>To (Feet)</td>
</tr>
<tr>
<td>48&quot;</td>
<td>48&quot;Galvanized</td>
<td>12'</td>
</tr>
<tr>
<td></td>
<td></td>
<td>3/8&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>9½</td>
</tr>
<tr>
<td></td>
<td></td>
<td>12</td>
</tr>
</tbody>
</table>

Static Water Level for non-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, packer type, size of shutoff)

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

NOTE: If use is for irrigation, industrial, drainage or other, explain, state number of acres and location of other data (i.e.: Lot, Block and Addition).

DOMESTIC AND CATTLE

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

59,020.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: SEPTEMBER, 1971
Owner: ORVILLE NORDHAGEN Address: WESTBY, MONTANA
Contractor (if any) ____________________________________________
Address of Contractor _________________________________________
Date Started: SEPT., 1971 Date Completed: SEPT., 1971

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

FLOWING SPRING
Dug out with shovel.

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.

100 Gallons per minute—flowing spring
Cattle

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

SE 1/4 NE Sec. 24 T. 36 R. 58

Signature of Owner: ORVILLE NORDHAGEN
Date: MARCH 3, 1972

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

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: SEPTEMBER, 1971
Owner: ORVILLE NORDHAGEN Address: WESTBY, MONTANA

Contractor (if any) _________________________________________________
Address of Contractor _______________________________________________

Date Started: SEPT. 1971 Date Completed: SEPT. 1971

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. How developed?

FLOWING SPRING
Dug out with shovel —

Estimate the quantity of water developed and used with explanation of method to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

100 Gallons per minute—flowing spring

use?

Signature of Owner: __________________________
Date: __________________________

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

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

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

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

<table>
<thead>
<tr>
<th>Owner</th>
<th>City of Helena</th>
<th>Address</th>
<th>Helena, Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Gust L. Lachenbreit</td>
<td>Address</td>
<td>Helena, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>9/3/58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td>9/12/58</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>65 ft. to 69 ft.</td>
<td>Type</td>
<td>Screen</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Size</td>
<td>D. A.</td>
</tr>
<tr>
<td>Perforated</td>
<td>From 44 to 45</td>
<td>Type</td>
<td>Screen</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>To 50 ft Johnson screen from 64 ft to 70 ft</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>36</td>
<td>feet.</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>35 lb. per sq. in.</td>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>34 feet at 35 gal. per min</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>34 ft. Pump Test</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></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>1 - 4</td>
<td>Top soil</td>
</tr>
<tr>
<td>4 - 8</td>
<td>Sand-gravel</td>
</tr>
<tr>
<td>8 - 18</td>
<td>Sandy clay</td>
</tr>
<tr>
<td>18 - 33</td>
<td>Clay streaks of sand</td>
</tr>
<tr>
<td>33 - 36</td>
<td>Gravel</td>
</tr>
<tr>
<td>36 - 40</td>
<td>Blue clay</td>
</tr>
<tr>
<td>40 - 49</td>
<td>Sandy Rome clay</td>
</tr>
<tr>
<td>49 - 51</td>
<td>Gravel</td>
</tr>
<tr>
<td>51 - 57</td>
<td>Sand</td>
</tr>
<tr>
<td>57 - 69</td>
<td>Gravel sand and water</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: City of Butte  Address: Butte, Mont.

Driller: Intermont Drilling 3  Address: Butte, Mont.

Distance Started: July 10, 1953  Date Completed: July 15, 1953

Location: Sec. 24  T 37  R 53  1/4 sec.

Type of well: Drilled  Equipment used: Churn-Drill

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other:

Casing: 4 ft. to 8 ft.  Type:  Size: C

Casing: 8 ft. to 13 ft.  Type:  Size:

Casing: 13 ft. to 19 ft.  Type:  Size:

Perforated or Screened: 13 to 19 ft.  19 ft. to 32 ft.

Type of screen or perforations: 3/16 in. of perforations 3/16 in. wide plate by 3 in. long

Static Water level, for non-flowing well: 3 feet.

Shut-in pressure, for flowing well: 27 lb./sq. in. on: (date)

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

How tested:

Length of test:

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

...
**WATER WELL LOG**

**Owner:** City of Worthy  
**Address:** Worthy, Montana

**Driller:** regarding Drilling City  
**Address:** Worthy, Montana

**Date Started:** July 10, 1958  
**Date Completed:** July 30, 1958

**Location:** Sec. 30 T. 35 R. 26 1/4 sec. NE 1/4 NE 1

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Dug, driven, screed, or drilled)</td>
<td>(Churn drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

**Casing:**
- [ ] ft. to
- [ ] ft.
- [ ] ft. to
- [ ] ft.
- [ ] ft. to
- [ ] ft.

**Type:**
- [ ] Dug
- [ ] Screed
- [ ] Churn drill
- [ ] Rotary
- [ ] Other:

**Stand. Size:**
- [ ] in.

**Perforated or Screened:**
- [ ] 13 to ft.
- [ ] 39 to ft.
- [ ] 40

**Type of screen or perforations:**
- [ ] 4 rows of perforations 3/16 wide slots by 2" long

**Static Water level, for non-flowing well:**

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

**Pumping water level:**

**How tested:** Pumped

**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>1-6</td>
<td>Bin - clay</td>
</tr>
<tr>
<td>6-18</td>
<td>Sand and gravel, Water</td>
</tr>
<tr>
<td>18-25</td>
<td>Blue clay</td>
</tr>
<tr>
<td>20-26½</td>
<td>Sand</td>
</tr>
<tr>
<td>26½-38</td>
<td>Blue clay</td>
</tr>
<tr>
<td>38-40</td>
<td>Sand and gravel, Water</td>
</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner:** City of Westby  
**Address:** Westby, Mont.  
**Lagerquist Drilling Co.**  
**Date Started:** 9/5/59  
**Location:** Well drilled in City Park  
**Date Completed:** 9/7/59  
**Type of well Drilled:** Churn-Drill  
**Equipment used:** Churn drill, rotary, other  
**Type of screen or perforations:** Cutting Tourch used to perforate pipe  
**Static Water level, for non-flowing well:** 10′ feet  
**Shut-in pressure, for flowing well:** lb./sq. in. on: (date)  
**Pumping water level:** 15′ feet at: 15 gal. per min.  
**How tested:** Pump  
**Length of test:** 2 hrs.  
**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

<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>Ft. 12 to ft. 13</td>
<td>Ft.</td>
<td></td>
</tr>
</tbody>
</table>

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2</td>
<td>Top-soil</td>
</tr>
<tr>
<td>2 - 13</td>
<td>Sand &amp; gravel</td>
</tr>
<tr>
<td>13 - 56</td>
<td>Blue clay</td>
</tr>
</tbody>
</table>
**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)

1. **KENNETH F. KELDSEN**  
   (Name of Appropriator)  
   (Address)  
   (Town)  
   County of **SHERIDAN**  
   State of **MONTANA**  
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>29</td>
<td>34 58</td>
</tr>
<tr>
<td>SW 1/4 SW 1/4 Sec 27, T 34 R 58</td>
<td></td>
</tr>
</tbody>
</table>

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **10 gallons per minute**

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **DUGOUT NO. 1, NE 1/4 SEC 27, T 34 R 58**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **DUGOUT 1961**  
   **DUGOUT 1963**  
   **GROUND WATER**  
   **GROUND WATER**

8. The depth of water table: **FROM 4' TO 5'**

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: **DUGOUT NO. 1, ABOUT 7 DEER WITH A WATER SURFACE OF 14' X 18', DUGOUT NO. 2, ABOUT 8' DEEP, 10' X 30' BROTHER.**

10. The estimated amount of groundwater withdrawn each year: **80,000 GALLONS**

11. The log of formations encountered in the drilling of each well if available: **SAND AND 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: **NOT APPLICABLE**

---

**Signature of Owner:**  
**Kenneth F. Keldsen**  
**Date:** Dec. 3, 1963

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

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

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

County of Sheridan.

Filed the 27th day of Dec., 1949.
2:00 o'clock P.M.

Ed. Nelson

County Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Earl Hammer
   of Westby
   (Name of Appropriator) (Address)
   County of Sheridan
   (Town)
   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: livestock and household use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1922, constant use since

4. The amount of groundwater claimed (in millions of gallons per year): 200 gallons; 1½ wells
   gallons from 1½ well.

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: pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1922

8. The depth of water table: depth of well 110 feet; one well 12 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: pump on each well

10. The estimated amount of groundwater withdrawn each year: over 8000 a year

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 further information

Signature of Owner: Earl Hammer
Date: Dec 27, 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.

3973
STATE OF MONTANA, ss.

County of Sheridan.

Filed this 23 day of December, A. D. 19__ at 2:00 o'clock P.M.

[Signature]
County Recorder

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

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

1. KENNETH F. KELDSEN of 821 WESTBY
   (Name of Appropriator) (Address) (Town)
   County of SHERIDAN 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: HOUSEHOLD & STOCK WATER

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 gals per min.

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

   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: SPRING OF 1947

   8. The depth of water table: DEPTH OF WELL 14" DEPTH TO WATER 0'

   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: ENGRAVERS & CONVETED 10" IN DEPTH

   10. The estimated amount of groundwater withdrawn each year: 180, 100 gals.

   11. The log of formations encountered in the drilling of each well if available: CLAY, HARD PAN & COARSE 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: NOT APPLICABLE

   Signature of Owner: KENNETH F. KELDSEN
   Date: DEC. 27, 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 quaduplicate for the Appropriator.
STATE OF MONTANA

County of Sheridan.

Filed this 27 day of
Dec. A.D. 1962
at 2:00 o'clock P.M.

[Signature]

County Recorder

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

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

(Linda) Alvstad
(Name of Appropriator)

County of Sheridan
(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: Household

3. Date or approximate date of earliest beneficial use: 1910

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 1.00 gpm from 80 ft. well

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 duration 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: 1910

8. The depth of water table: Depth of Well 80’ and 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.

10. The estimated amount of groundwater withdrawn each year: 100,000 gals. each year

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

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

Signature of Owner: Date: 33197

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 Quaduplicate for the Appropriator.
STATE OF MONTANA,
County of Sheridan.

Filed [blank] day of
[blank] A.D. 19[blank]
at [10] o'clock M.

[Signature]
County Recorder

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

Owner: ______
Address: ______________
Date of Notice of Appropriation of Groundwater: ______________
Date well started: ______________ Date completed: ______________
Type of well: ______________ Equipment used: ______________
Water Use: Domestic □ Municipal □ Other □ Irrigation □
Industrial □ Drainage □ Stock □

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

Static Water Level for non-flowing Well: ______________ feet.
Shut-in Pressure for flowing Well: ______________
Pumping Water Level: ______________ feet at ______________ gal. per minute.
Discharge in gal. per min. of flowing well: ______________
How Tested: ______________ Length of Test: ______________

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

Driller's License Number: ______________
Driller's Signature: ______________

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

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

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

Filed this 21st day of December A.D. 1944
at 4:00 o'clock P.M.

[Signature]
County Recorder
<table>
<thead>
<tr>
<th>Owner</th>
<th>Lawrence Bowbeler</th>
<th>Address</th>
<th>Westby, Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Logerquist Drilling Co.</td>
<td>Address</td>
<td>Westby, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>3/21/59</td>
<td>Date Completed</td>
<td>7/24/59</td>
</tr>
<tr>
<td>Location</td>
<td>Town of Westby, Mont.</td>
<td>Sec 13</td>
<td>1/4 sec</td>
</tr>
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</table>

**Type of well:** Drilled  
**Equipment used:** Churn Drill  
**Water use:** Domestic [x]  
**Industrial [ ]  
**Municipal [ ]  
**Stock [ ]  
**Irrigation [x]  
**Drainage [ ]  
**Other [ ]

**Casing:**  
- ft. to 60 ft. Type: [ ]  
- ft. to 6 ft. Type: [ ]  
- ft. to 6 ft. Type: [ ]  
- Casing:  
- ft. to 6 ft. Type: [ ]  
- ft. to 6 ft. Type: [ ]  
- Perforated or Screened:  
- Ft. to Ft. [ ]  
- Ft. to Ft. [ ]  
- Type: [ ]  
- Type: [ ]  
- Type of screen or perforations: [ ]

**Static Water level:** 40 feet

**Shut-in pressure:**  
- lb./sq. in. on: (date)

**Pumping water level:** 70 feet at 350 gal./min.  
**How tested:**  
**Length of test:**  

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

Owner: Lawrence Nowak

Location: Town of Westley, Montana

Date Started: 8/21/59

Date Completed: 8/24/59

Type of well: Drilled

Equipment used: Slammer-Drill

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

Casing: 6 ft. to 66 ft. Type: Stainless Steel Size: 4 in.

Casing: ft. to ft. Type: Size:

Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 61 to Ft. 68

Type of screen or perforations: Cutting Torch

Static Water level, for non-flowing well: 40 feet.

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

Pumping water level: 50 feet at 350 gal. per sq.ft./hrs.

Flow tested: Salter

Length of test: 2 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>
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<tr>
<td>0 - 60</td>
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<td>Depth, feet</td>
<td>Description of Material Drilled</td>
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<td>------------</td>
<td>--------------------------------</td>
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<tr>
<td>0 - 60</td>
<td>Sand &amp; Gravel</td>
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</table>
**Notice of Completion of Groundwater Appropriation by Means of Well**

Appropriation of groundwater developed after January 1, 1962

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

**Owner:**

Town of Westby

Address: Montana

Driller: Western Drilling Co.

Address: Missoula, Mont.

Date of Notice of appropriation of groundwater: 6-1-68

Date well started: 6-27-68

Date completed: 6-30-68

**Type of well:**

Drilled

**Equipment used:**

(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 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</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
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<tr>
<td>8'</td>
<td>1/4'</td>
<td>6'</td>
<td>27'</td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well**: 9 feet

**Shut-in Pressure for Flowing Well**: 50 feet

**Pumping Water Level**: 76 feet

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

**How Tested**: Pump

**Length of Test**: 3 hours

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

1/4 Sec. T. R.

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, 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: PLY 94.01L

Driller's Signature: [Signature]

File No. [Signature]

Date: 4/5/58

Driller’s Signature: [Signature]
STATE OF MONTANA
County of Sheridan

Filed this 14 day of October A.D. 1968
at 12:10 o'clock P.M.

[Signature]
County Recorder

Deputy
## Groundwater Index

**County**: Sheridan  
**Twp.**: 33N  
**Rge.**: 51E

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
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</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Harvey Miller & Orville Miller, of Redstone,

County of Sheridan State of Montana

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 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: by pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: November 5, 1964 and completed November 10, 1964.

8. The depth of water table: 40'

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: 50'; wooden casing; 18' casing

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

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

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

Signature of Owner: Harvey Miller
Date: November 4, 1963

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

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

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

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

Targene S. Hagan, Administrator

(Name of Appropriator) (Address) (Town)

County of Montana
State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been until 1958.

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

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

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

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

8. The depth of water table.

9. So far as it may be available, the type, size and location 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,

County of Sheridan,

Filed this 31 day of

June 1, 1963,
at 1:00 o'clock P.M.

[Signature]

County Recorder

[Signature]

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

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

1. Hagans Ranch, of Belton

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: livestock use

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 47 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: cylinder pump

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

8. The depth of water table: 110 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: drilled well, 30 feet, 4-inch casing

10. The estimated amount of groundwater withdrawn each year: 150,000 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:

Signature of Owner: Hagans Ranch, by Eugene Hagans

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.

GVi
STATE OF MONTANA, County of Sheridan.

First day of December, A. D. 19__

Filing this

1 o'clock

County Recorder

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

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

1. Arthur M. Hagan, Jr., of Redstone
   (Name of Appropriator)
   Address
   (Town)
   County of Sheridan, State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
      6-15-55
      Used Continuously

   4. The amount of groundwater claimed (in miner's inches or gallons per minute):
      6-6 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.
      Garden Irrigation 660 ft.
      Arthur M. Hagan, Jr.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      6/10/52 started, 6/15/52 completed

   8. The depth of water table:
      80'

   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:
      Stock Water - 6" casing

   10. The estimated amount of groundwater withdrawn each year:
        39,600 Gals

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

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

Signature of Owner: Arthur M. Hagan, Jr.
Date: Jan 2, 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 GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

(Name of Appropriator) 
County of _______________ State of _______________

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

1. _______________

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

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

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

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,
County of Sheridan.
Filed this 2nd day of January, A.D. 1962,
at 10 o'clock A.M.
R. A. Short
County Recorder.
By Myrtle Keller
Deputy
<table>
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</table>
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1950

Owner: VINCENT E. BURKH
Address: REDSTONE, MONTANA

Contrator (if any): NONE

Address of Contractor:

Date Started: Date Completed: same

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

a spring flows thru a pipe

into a tank for stock water and then over

grass land

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.

a inch and

one quarter pipe flows full about fifteen g

gallons per minute

Signature of Owner: VINCENT E. BURKH
Date: Dec. 30, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.
<table>
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<th>Day</th>
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</tr>
</tbody>
</table>

At 10:00 A.M.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

State of Montana
Office of State Engineer

Declaration of Vested Groundwater Rights

Name of Approprietor: Christian M. Berg
Address: Redstone
County: Sheridan
State: Montana

I, Christian M. Berg, of Redstone, Montana, in the County of Sheridan, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Approprietor
2. The beneficial use on which the claim is based: domestic
3. Date or approximate date of earliest beneficial use: 1914
   Continuance: 1920
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 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: 1914
   Continuance: 1920
8. The depth of water table: 24 ft - 24 ft - 24 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
   Log: water very hard with lime
10. The estimated amount of groundwater withdrawn each year: 200,000 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

Signature of Owner: Christian M. Berg
Date: 10-26-63

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 Approprietor.
STATE OF MONTANA
County of Sheridan

Filed this 21st day of December, A.D. 1963
at 12:30 o'clock P.M.

[Signature]
County Recorder

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

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

(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.

Signature of Owner

Date

[Form Details]

[Declaration Content]

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

Signature of Owner

Date

[Form Details]
STATE OF MONTANA,

County of Sheridan.

Filed this 11 day of
November A. D. 1962
at 3:00 o'clock P. M.

[Signature]
County Recorder

________________________
Deputy
### Declaration of Vested Groundwater Rights

(Paragraphs 1 to 12 are filled out in the form with necessary information.)

   - **Address**: Redstone, Montana
   - **Town**: Redstone
   - **County**: Sheridan
   - **State**: Montana

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

2. **The beneficial use on which the claim is based**
   - **Water, lawn and garden**

3. **Date or approximate date of earliest beneficial use; and how continuous the use has been**
   - **1935** — used continuously

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

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

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

7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1935**

8. **The depth of water table**
   - **22 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**
   - **Curbed well approximately 2 feet in diameter**

10. **The estimated amount of groundwater withdrawn each year**
    - **60,000 gallons**

11. **The log of formations encountered in the drilling of each well if available**
    - **None 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:** April 18, 1963

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

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

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

Filed this 28 day of
April, A.D. 1962
at 8:45 o'clock A.M.

S. H. Helker
County Recorder

By Mark Walker
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: ___________________________
Address: ___________________________

Driller: ___________________________
Address: ___________________________

Date of Notice of appropriation of groundwater: ___________________________
Date well started: ___________________________
Date completed: ___________________________

Type of well: Drill
Equipment used: Jetter
(Dug, driven, bored or drilled) (Churn/drill, rotary or other)

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

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

Static Water Level for non-flowing well: ______ feet.
Shut-in Pressure for Flowing Well: ______ feet at ______ psi per minute.
Pumping Water Level: ______ feet at ______ psi per minute.

Discharge in gal. per min. of flowing well: ______ gal. per min.,

How Tested: Bailed
Length of Test: ______
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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 Signature: ___________________________
Driller's License Number: ___________________________
Chairman of Board: ___________________________

File No. R 1 C 1 E 1 V E 1 D
3 ^/frp.
DUPLICATE
OCT 28 1970
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: ___________________________
Address: ___________________________

Driller: ___________________________
Address: ___________________________

Date of Notice of appropriation of groundwater: ___________________________
Date well started: ___________________________
Date completed: ___________________________

Type of well: Drill
Equipment used: Jetter
(Dug, driven, bored or drilled) (Churn/drill, rotary or other)

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

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

Static Water Level for non-flowing well: ______ feet.
Shut-in Pressure for Flowing Well: ______ feet at ______ psi per minute.
Pumping Water Level: ______ feet at ______ psi per minute.

Discharge in gal. per min. of flowing well: ______ gal. per min.,

How Tested: Bailed
Length of Test: ______
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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 Signature: ___________________________
Driller's License Number: ___________________________
Chairman of Board: ___________________________

File No. R 1 C 1 E 1 V E 1 D
3 ^/frp.
DUPLICATE
OCT 28 1970
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: ___________________________
Address: ___________________________

Driller: ___________________________
Address: ___________________________

Date of Notice of appropriation of groundwater: ___________________________
Date well started: ___________________________
Date completed: ___________________________

Type of well: Drill
Equipment used: Jetter
(Dug, driven, bored or drilled) (Churn/drill, rotary or other)

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

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

Static Water Level for non-flowing well: ______ feet.
Shut-in Pressure for Flowing Well: ______ feet at ______ psi per minute.
Pumping Water Level: ______ feet at ______ psi per minute.

Discharge in gal. per min. of flowing well: ______ gal. per min.,

How Tested: Bailed
Length of Test: ______
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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 Signature: ___________________________
Driller's License Number: ___________________________
Chairman of Board: ___________________________
STATE OF MONTANA

County of Shoshone

Filed this 9 day of
D. 19—20
at 3:30 o'clock P.M.

County Recorder

By: [Signature]
Deputy
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

## Declaration of Vested Groundwater Rights

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>County of</th>
<th>State of</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry D. Loughs</td>
<td></td>
<td>Sheridan</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

1. **County of** Sheridan  
   **State of** Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:  
   **Continuous Since 1920**

4. The amount of groundwater claimed (in miner's inches or gallons per minute):  
   **5000 gallons per month**

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:

   - **Lot 1 of Block 4 of Original Town of Red Lodge**, Mont.
   - Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - **Jet pump with pressure gate**

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

8. The depth of water table:  
   **25 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:
   - **Electric motor on pump**
   - **2 1/2 in. diameter, 25 feet deep**

10. The estimated amount of groundwater withdrawn each year:  
    **60,000 gallons**

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]

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.

Date: **August 29, 1962**
STATE OF MONTANA
County of Sheridan.

Filed this 29th day of
August, A. D. 1962
at 2:00 o'clock P. M.

A. L. Hark
County Recorder

By Myrtle Wallin
Deputy
WATER WELL LOG

Owner: Mike Bischoff
Address: Redstone Mont.

Driller: A.B. Drilling Co.
Address: Redstone Mont.

Date Started: July 24, 1955
Date Completed: Aug 28, 1955

Location: Sec 7 T 35 R 52 W 1/4

Type of well: Drilled
Equipment used: Cable Mechan..

Water use: Domestic □ Municipal □ Stock □ Irrigation □
Industri. □ Drainage □ Other: ...........................................................

Casing: 6 in. ft. to 52 ft. Type: Steel Size: 6 in.
Casing: ........................................ ft. Type: ........................................ Size: ........................................
Casing: ........................................ ft. Type: ........................................ Size: ........................................
Perforated or Screened: Ft. ........................................ to Ft. ........................................ Ft. ........................................ to Ft. ........................................

Type of screen or perforations: ..........................................................

Static Water level, for non-flowing well: 32.5 ft. of water on casing feet.
Shut-in pressure, for flowing well: ........................................ lb/sq. in. on: ........................................ (date)
Pumping water level: 260 feet at 260 gal. per min. ....
How tested: ........................................
Length of test: ........................................

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

2 ft. of cement footing on bottom of well

(over)
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 SHERIDAN State of MONTANA

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

1. Name of Applicant

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

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

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner

Date: Dec. 16, 1963

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

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

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

Filed this 23rd day of November, A.D. 1983

[Signature]
County Recorder

[Signature]
Deputy
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

## VINCENT E. BERGH

- **Name of Appropriator**: REDSTONE
- **Address**: SHERIDAN
- **County**: SHERIDAN
- **State**: MONTANA

I, VINCENT E. BERGH, of REDSTONE, SHERIDAN County, MONTANA State, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
</table>

2. The beneficial use on which the claim is based: **stock, household, and irrigation**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1910** and **used continuously**

4. The amount of groundwater claimed (in inches or gallons per minute): **ten 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: **lawn, garden, around well**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **one well 1910, one in 1950, one in 1959**

8. The depth of water table: **No. 1 550 feet, No. 2 55 feet, No. 3 62 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: **No. 1 550 feet, drilled 3rd casing, artesian flow**
   - **No. 2 55 feet, drilled 3rd casing**
   - **No. 3 62 feet, drilled 4th casing**

10. The estimated amount of groundwater withdrawn each year: **Million gallons all three**

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 conveyance record:

---

**Signature of Owner**: VINCENT E. BERGH

**Date**: DEC. 30, 1962

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

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

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

Filed the 5th day of December, A.D. 19__, at 10:00 o'clock, M.

[Signature]
County Recorder

Deputy
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's Name: Rodgus
Address: Most

Date well started: July 31-70
Type of well: Drilled

Equipment used: Rotary

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 1,000 gal

<table>
<thead>
<tr>
<th>Depth of Interval</th>
<th>End of Interval</th>
<th>Pumps and Parts of Course</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90 ft to 90 ft</td>
<td>4 ft</td>
<td>1.0</td>
<td>90</td>
<td>90</td>
</tr>
<tr>
<td>4 ft to 4 ft</td>
<td>90 ft</td>
<td>9.6</td>
<td>3½ ft</td>
<td>9½ ft</td>
</tr>
</tbody>
</table>

PERFORATIONS

Hole of Coming -

Kind Size: 3½ in

Static water level 65 ft.*
Pumping water level 24 ft.*
at 10 gallons per minute,
measured 60 minutes after pumping began.

*Measured from ground-level.

Well developed by 10:00 AM for 6 hours.

Power Pump: 1/2 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: Albert Lindvall

Driller's Address: Richland, MT

LICENSE NO. 108

Show exact depth of bottom