## Declaration of Vested Groundwater Rights

_(I. C. G. Becker)_

**Name of Appropriator: Albert C. Becker**

**Address:**

**Town:**

**County of:**

**State of:** Montana

---

### 1. Declaration of Vested Groundwater Rights

Albert C. Becker has appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

- **Location of Appropriation:**
  - **Section:** 8
  - **Township:** 9
  - **Range:** 27
  - **Half Section:**

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

- **Use:** Domestic and livestock

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

- **Date:** Continuous since August 1957

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

- **Amount:** 20 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:

- **Acreage:** Not used for irrigation at present

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

- **Drilled well located as shown on sketch**

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

- **Well drilling started and completed in August 1957**

### 8. The depth of water table:

- **Depth:** 20 feet

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

- **Well specifications:**
  - 3/4" diameter drilled well, equipped with galvanized casing, 100 feet total depth,
  - Equipped with conventional reciprocating pump

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 The estimated amount of groundwater withdrawn each year:

- **Amount:** 182,500 gallons

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

- **Log:** 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:

- **Reference:**

---

**Signature of Owner:**

 Albert C. Becker

**Date:** 27-6-62

---

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 Appropriator.
STATE OF MONTANA,  
MUSSELSHELL COUNTY.  
PILED THIS 22 DAY OF 
JUNE A.D. 1962  
AT 2 O'CLOCK P.M.  

B. H. MATZKE  
COUNTY RECORDER  

DEPUTY
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

State of Montana
Administrator of groundwater Code
Office of State Engineer

January 3, 1964

[Name of Appellant] (Address) (Town)
County of [County]
State of [State]
Declares that he/she has appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. The location of the lands to which water has been applied and name of the owner thereof.

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 court record.

Signature of Owner: [Signature]
Date: [Date]

20624
Form No. 18
8-60

Montana Bureau of Mines and Geology
Butte, Montana

WATER WELL LOG

Owner: Emile Weitzen
Address: 

Driller: R. Hudson
Address: 

Date Started: June 10
Date Completed: June 15

Location: Sec. 9 T. 9 R. 27 1/4 sec. 5 E NW

Type of well: Drilled
Equipment used: Churn

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

Casing: 0 ft. to 17 ft. Type: N Size: 6"
Casing: ft. to ft. Type: Size:
Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. 161 to Ft. 176. Ft. to Ft. 

Type of screen or perforations: 

Static Water level, for non-flowing well: 93 ft. from top feet.
Shut-in pressure, for flowing well: ___________ lb./sq. in. on: ______________ (date)

Pumping water level 36 feet at ______ gal. per min.

How tested: Suction

Length of test: 1 hour

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>16'</td>
<td></td>
<td>Top Soil</td>
</tr>
<tr>
<td>16'</td>
<td>21'</td>
<td></td>
<td>Rock</td>
</tr>
<tr>
<td>21'</td>
<td>36'</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>36'</td>
<td>61'</td>
<td></td>
<td>Clay</td>
</tr>
<tr>
<td>61'</td>
<td>93</td>
<td></td>
<td>Sand &amp; Rock</td>
</tr>
<tr>
<td>93</td>
<td>140'</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>140'</td>
<td>140'</td>
<td></td>
<td>Rock</td>
</tr>
<tr>
<td>140'</td>
<td>175</td>
<td></td>
<td>White Water Sand</td>
</tr>
<tr>
<td>175</td>
<td>176</td>
<td></td>
<td>Shale</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

State of Montana
Administrator of groundwater Code
Office of State Engineer

Robert E. Allen, Mary E. Allen, of..., of County of..., State of Montana.

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

1. Name of Appropriator: Robert E. Allen, Mary E. Allen
   Address: ...
   Town: ...
   County: ...
   State: Montana

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

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

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

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

6. Point of appropriation and place of use, if possible. Each small square represents 10 acres...
   ...
   Jan...

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

8. The depth of water table...
   ...
   Jan...

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...
   ...
   Jan...

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

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

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 count record...

Signature of Owner: Robert E. Allen
Date: Jan...

26649
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. ...Robert Allen, or Mary E. Goffen, of, .......
   (Name of Appropriator) (Address) (Town)
   County of ....... and 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...

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

   5. Sec. 12. 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. Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

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

   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 count record...

Signature of Owner: Mary E. Goffen
Date: Jan 1, 1962
STATE OF MONTANA,
MUSSELHELL COUNTY,

FILED THIS 31 DAY OF

ALEX__ A.D. 1963
AT 6:14 O'CLOCK P.M.

MATZKE
COUNTY RECORDER

DEPUTY
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Emil Mattson</th>
<th>Address</th>
<th>Driller</th>
<th>Gordon Scawmon</th>
<th>Address</th>
<th>Roundup, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Started</td>
<td>April 1, 1968</td>
<td></td>
<td>Date Completed</td>
<td>April 8, 1968</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Sec 10 T 9 R 27 1/4 sec</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type of well:** Drilled  
**Equipment used:** Spudder

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

**Casing:**
- 2-inch 0 ft. to 2.70 ft.  
- Type: [ ]  
- Size: [ ]
- 2.70 ft. to 6.1 ft.  
- Type: [ ]  
- Size: [ ]
- 6.1 ft. to 24.9 ft.  
- Type: [ ]  
- Size: [ ]
- 24.9 ft. to 76.0 ft.  
- Type: [ ]  
- Size: [ ]

**Perforated from:**  
- 225 ft. to 238 ft.  
- Type: [ ]  
- Size: [ ]

**Type of screen or perforations:** [ ]

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

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

**Pumping water level:** feet at .3/4 gallon per min. gal. per min.

**How tested:** [ ]  
**Length of test:** [ ]

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

---

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 31</td>
<td>0</td>
<td>31</td>
<td>Shale, Medium tan</td>
</tr>
<tr>
<td>31 - 52</td>
<td>31</td>
<td>52</td>
<td>Shale, Medium light grey</td>
</tr>
<tr>
<td>52 - 80</td>
<td>52</td>
<td>80</td>
<td>Sand, Medium brown</td>
</tr>
<tr>
<td>80 - 225</td>
<td>80</td>
<td>225</td>
<td>Shale, Grey</td>
</tr>
<tr>
<td>225 - 232</td>
<td>225</td>
<td>232</td>
<td>Sandstone, Grey (Water)</td>
</tr>
<tr>
<td>232 - 270</td>
<td>232</td>
<td>270</td>
<td>Shale, Light grey. Some sand streaks between 225 and 265. Small amount of water</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

[Name of Appropriator] of [Place]
(Address) (Town)

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

2. The beneficial use on which the claim is based for [Describe]
   and irrigates the [Describe]

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

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

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 [Indicate]
   [Indicate]

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

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

8. The depth of water table
   [Indicate]

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 the well in 25 feet depth
   [Indicate]

10. The estimated amount of groundwater withdrawn each year [Indicate]

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

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
   [Indicate]

Signature of Owner [Name]
Date [Indicate]

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,
MUSKELSHIRE (COUNTY),

FED IN THIS ______ DAY OF
A. D. 1863
AT ______ O'CLOCK P. M.

B. H. MATZKI.
COUNTY RECORDER

F. L. HAWSON
DEPUTY
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. C. J. Mattoon
   (Name of Appropriator)  Delphi
   (Address)  (Town)

County of Musselshell  State of Montana

I 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: Used for irrigation.

3. Date or approximate date of earliest beneficial use: In the spring of 1948 and every spring thereafter.

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: Fall of 1947.

8. The depth of water table: 200.

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: 200 ft. 6 in. casing: Gas Engine and Pump.

10. The estimated amount of groundwater withdrawn each year: I don't know.

11. The log of formations encountered in the drilling of each well if available: don't know anything.

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: haven't got any.

Signature of Owner: C. J. Mattoon
Date: Dec 19, 1963

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

Three copies to be filled by the owner with the County Clerk and Recorder of the county in which the well is located. 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,
MUSSEL SHELL COUNTY,

FILED THIS 23 DAY OF October A.D. 1963
AT 12:12 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

Frank A. Hansen
DEPUTY
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: unknown
Owner: Paul Hoffner
Address: Daphne, Mont.
Contractor (if any)
Address of Contractor
Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Plastic pipe, gravity flow,
stock tank from
improved spring

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.

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

Signature of Owner: Paul Hoffner
Date: Dec 26-63

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 by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Paul Hoffman
Address: Delphi, Mont.

Driller: Harvey McConnell
Address: Powell, Mont.

Date of Notice of appropriation of groundwater: 11-30-62
Date completed: 12-1-62

Elev. above sea level: 30' soil
35' shale
42' sand and gravel
54' shale
60' sand
72' shale

Type of well: Drilled
Equipment used: Churn drill

Water use: Domestic • Municipal • Stock • Irrigation •
Domestic • Municipal • Stock • 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 the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole (Feet)</th>
<th>7'</th>
<th>15'</th>
</tr>
</thead>
<tbody>
<tr>
<td>Size and Weight of Casing (Feet)</td>
<td>7'</td>
<td>15'</td>
</tr>
<tr>
<td>From (Feet)</td>
<td>72'</td>
<td></td>
</tr>
<tr>
<td>To (Feet)</td>
<td>72'</td>
<td></td>
</tr>
<tr>
<td>PERFORATIONS</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Kind</td>
<td>1 1/2&quot;</td>
<td>50</td>
</tr>
<tr>
<td>From (Feet)</td>
<td>35</td>
<td>40</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well = 23 feet.
Shut-in Pressure for Flowing Well = 40 feet
Pumping Water Level = 35 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: Driller
Length of Test: 120 minutes
Remarks: (Gravel packing, cementing, packer, type of shutoff) none

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

SWNE Sec. 16, T. 7, R. 27

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, tissues 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

43

44,782
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Albert C. Beckman, Roundup
   (Name of Appropriator) (Address) (Town)

   County of Musselshell 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: Domestic and livestock

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
      continuous since June 1958

   4. The amount of groundwater claimed (in miner's inches or gallons per minute):
      15 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:
      not used for irrigation at present

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
      Drilled well located as shown on sketch at left

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      well drilling started and completed in June 1958

   8. The depth of water table:
      130 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:
      6" diameter drilled well, capped with galvanized casing, 230 feet total depth, equipped with conventional reciprocating pump

   10. The estimated amount of groundwater withdrawn each year:
        365,000 gal. per 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: Albert C. Beckman
   Date: June 22-62

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 Appropriator.
STATE OF MONTANA,
MUSSELSHELL COUNTY,

FILED THIS 22 DAY OF
JANUARY A.D. 1963
AT 10 O'CLOCK A.M.

B. H. MATZKE
COUNTY RECORDER

DEPUTY OF MUSSELSHELL COUNTY

$2.00
Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961

Albert C. Beckman of Roundup
County of Musselshell, 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: Domestic and livestock

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

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Drilled well located as shown on map at left

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well drilling started and finished in July 1927

8. The depth of water table: 100 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: 5" diameter drilled well, cased with galvanized casing, 180 feet total depth, equipped with conventional reciprocating pump.

10. The estimated amount of groundwater withdrawn each year: 18,250 gallons

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

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

Signature of Owner: C.C. Beckman
Date: June 29, 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, MUSHUHILL COUNTY.

FILED THIS 22 DAY OF

AT... A. M.

B. H. MATZKE
COUNTY RECORDER

ELIZABETH S. LEE, 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. Albert C. Beckman, Rondyn
   (Name of Appropriator) (Address) (Town)
   County 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: Domestic and Livestock

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continuous since May 1953

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 8 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: Not used for irrigation at present.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Drilled well located as shown on sketch at left.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: well drilling started and finished in May 1953.

   8. The depth of water table: 80 feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 8 inch drilled well, lined with galvanized casing, 300 feet total depth, equipped with conventional reciprocating pump.

   10. The estimated amount of groundwater withdrawn each year: 270,000 gallons

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

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

   Signature of Owner: C. C. Beckman
   Date: June 29, 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

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: August 1921

Owner: Albert C. Beesman
Address: Roundup, Montana

Contractor (if any): none

Address of Contractor:

Date Started: 1921
Date Completed: 1921

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Developed spring, with water flowing during wet years, and within 2 or 3 feet of the surface during less favorable seasons.

This water sub-irrigates about 5 acres of cropland.

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.

Use is continuous since development. Estimated 10 to 15 gallons per minute

Signature of Owner: Albert C. Beesman
Date: June 22, 1962

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
MUSSEL SHELL COUNTY

FILED THIS 12 DAY OF
JULY A.D. 19--
AT 9:00 O'CLOCK A.M.

B. H. MAITZKE
COUNTY RECORDER

DEPUTY
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: 1909
Owner: Sudan Ranch
Box 313 Roundup, Montana
Address: 
Contractor (if any): None
Address of Contractor: 
Date Started: None
Date Completed: None

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

Two Feet

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.

Continuous use and all it will produce

SE ¼ Sec. 18 T. 27 R. 9
Indicate point of appropriation and place of use, if possible.

Signature of Owner: Sudan Ranch

Date: 12/23/63

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
MUSELSELL COUNTY

FILED THIS 30 DAY OF
MAY A.D. 1865
AT 1:02 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

FRANCIS L. DAVIES
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Sudan Ranch

<table>
<thead>
<tr>
<th>Box 343</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>

Roundup

1. (Name of Appropriator) Sudan Ranch
   (Address) Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1961 has continued

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: Well, Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 21, 1961

8. The depth of water table: 63 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: Unknown

10. The estimated amount of groundwater withdrawn each year: None

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: Unknown

Signature of Owner: Sudan Ranch

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; and Quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSEL SHELL COUNTY.

FILED THIS 26 DAY OF
DEC. A.D. 1962
AT 10 07 O'CLOCK A.M.

B. H. MATZKE
COUNTY RECORDER

FRANCISCO J. MASON
DEPUTY

169382
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: 1910
Sudan Ranch
Owner: Sudan Ranch
Address: Box 343, Roundup, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: None
Date Completed: None

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

Spring Natural Flow: Two Feet

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.

Continuous
EXACTNESS USE AND ALL IT WILL PRODUCE

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 Appraisor.
STATE OF MONTANA, MUSSELHELL COUNTY. I

FILED THIS 26 DAY OF

AT 10:21 O'CLOCK A.M.

B. H. MAITZKE
COUNTY READER

FRANCIS RIVERS
DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: William A. Ferguson, Address: Heyburn, Mont.
Driller: R. L. Ferguson, Address: Heyburn, Mont.

Date of Notice of Appropriation of Groundwater: 7-20-64
Date well started: 7-20-64, Date Completed: 8-23-64

Type of well: Drilled
Equipment Used: Churn (dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Strata Met With</th>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light blue shale</td>
<td>150</td>
</tr>
<tr>
<td>Sand with 150</td>
<td>50</td>
</tr>
<tr>
<td>Light blue shale</td>
<td>50</td>
</tr>
<tr>
<td>Blue shale</td>
<td>25</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 35 feet.
 Shut-in Pressure for Flowing Well: Does not apply.
 Pumping Water Level: 75 feet at 45 gal. per minute.
 Discharge in gal. per min. of flowing well: Does not apply.
 Flow Tested: 175 gal.
 Length of Test: 175 gal.

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)

<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>10</td>
<td>8 3/4</td>
<td>1</td>
<td>14</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>5 3/4</td>
<td>1</td>
<td>9 5</td>
<td>Churn</td>
</tr>
</tbody>
</table>

Driller's License Number: 34
Driller's Signature: R. L. Ferguson

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

1. Name of Appropriate
   of Delphina
   (Address)
   (Town)

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 from the well drilled before 1950

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

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.
169775

SHERIFF OF MONTANA, WASHOE COUNTY.

RECEIVED THIS 31st DAY OF
DECEMBER, A.D. 1963
5:16 O'CLOCK P.M.

R. H. Martin
COUNTY RECORDER

Francis M. Dawson
2°
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Paul Hoffner**, of Delphine, Townsend,
County of Musselshell, State of Montana

I 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>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

1. **Location of Appropriate Place of Use**

2. The beneficial use on which the claim is based

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

4. **Amount of Groundwater Claimed** (in miner's inches or gallons per minute)

5. **Irrigation Acreage**

6. **Location of Withdrawal**

7. **Date of Commencement and Completion of Construction**

8. **Depth of Water Table**

9. **Type, Size, and Depth of Each Well**

10. **Estimated Amount of Groundwater Withdrawn Each Year**

11. **Log of Formations Encountered**

12. **Other Information**

**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 Appropiater.
STATE OF MONTANA,
MUSKRAT COUNTY

Filed this 31st day of December, A.D. 1904
At 5:33 O'clock P.M.

COUNTY RECORDER
Frances L Dawson
Deputy
Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner: Paul Toffena
Address: 
Contractor (if any)
Address of Contractor
Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Underground plastic pipe, gravity flow and stock tank from seepage of spring

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.

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

Signature of Owner: Paul Toffena
Date: Dec 26, 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.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Paul Jefferson**, of **Delphia**, **Roundup**
   
   County of **Muskie**... State of **Montana**
   
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

   - **2.** The beneficial use on which the claim is based: **livestock water**
   - **3.** Date or approximate date of earliest beneficial use; and how continuous the use has been: **1950**, **1** year for stock watering
   - **4.** The amount of groundwater claimed (in miner's inches or gallons per minute): **3 gal**
   - **5.** (If for irrigation, give the acreage and description of the lands high 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: **pump**
   - **7.** The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **unknown**
   - **8.** The depth of water table: **100 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: **unknown**
   - **10.** The estimated amount of groundwater withdrawn each year: **unknown**
   - **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: **unknown**

   **Signature of Owner:**
   
   **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.
STATE OF MONTANA,  
MUSKELHEUL COUNTY.

Filed this 31st Day of  
December A.D. 1963

At 5:08 O'clock  
P.M.

EDS. MATZEE
County Recorder

Frank Edmson  
Deputy
<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>T. 9 R. 27</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Musselshell</td>
</tr>
</tbody>
</table>

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner __________________ Address __________________

Driller __________________ Address __________________

Date Started __________ Date Completed __________

Location: Sec. __ T. __ R. __ sec. __________

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

Water use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □

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

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

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

Perforated or screened: Ft. __ to ft. __. Ft. __ to ft. __

Type of screen or perforations

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

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

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

How tested: __________

Length of test __________

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

__________________________

__________________________

(over)
Form No. 18  
8-60

T. 9  
R. 27  
County: 

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

Water Well Log

Owner:  
Address:  

Driller:  
Address:  

Date Started: 7-23-61  
Date Completed: 8-2-61

Type of well:  
Equipment used:  (Dug, driven, bored, or drilled)  

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

Industrial [ ]  Drainage [ ]  Other [ ]

Casing: 0 ft. to 10 ft.  Type  
Size  

Casing: 10 ft. to 20 ft.  Type  
Size  

Casing: 20 ft. to 30 ft.  Type  
Size  

Perforated or screened: 10 ft. to 20 ft.  Ft.  
Type  

Static water level, for non-flowing well: 140 feet.  

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

Pumping water level 350 feet at 7 gal. per min.  

How tested:  

Length of test  

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>3</td>
</tr>
<tr>
<td>3</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>31</td>
</tr>
<tr>
<td>31</td>
<td>32</td>
</tr>
<tr>
<td>32</td>
<td>56</td>
</tr>
<tr>
<td>56</td>
<td>162</td>
</tr>
<tr>
<td>162</td>
<td>180</td>
</tr>
<tr>
<td>180</td>
<td>185</td>
</tr>
<tr>
<td>185</td>
<td>215</td>
</tr>
<tr>
<td>215</td>
<td>295</td>
</tr>
<tr>
<td>295</td>
<td>317</td>
</tr>
</tbody>
</table>

Log of Well
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. James Holliday, of

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

2. The beneficial use for 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

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
MUSELSHELL COUNTY

FILED THIS 2d DAY OF
QC. A.D. 19

AT 9:12 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

S. E. DAWSON
DEPUTY
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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

   County of 
   State of 

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

2. The 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.

Sudan Ranch 

Signature of Owner: 

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; and Quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSEL SHELL COUNTY.

FILED THIS 22 DAY OF
NOVEMBER A.D. 1868
AT 10 O'CLOCK A.M.

D. H. MATZKE
COUNTY RECORDER

FRANK W. WATSON
DEPUTY
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

(Without Chapter 237, Montana Session Laws, 1961)

---

**Owner:**
- **Name:** Harry McDonald
- **Address:** Raymond, Mont.

**Driller:**
- **Name:** Harry McDonald
- **Address:** Raymond, Mont.

**Date of Notice of Appropriation:**
- **Date:** Jul 18, 1965
- **Completed On:** Jul 18, 1965

**Type of Well:**
- **Drilled:**
- **Equipment Used:** Chain 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.**

---

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

**Shut-in Pressure for Flowing Well:**
- **15'** feet

**Pumping Water Level:**
- **at 50** gal. per minute.

**Discharge in gal. per min. of flowing well:**
- **15 gal.** per minute.

**How Tested:**
- **Producer, static test, observation well, pressure test, etc.**

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

---

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

---

**Signature:**
- **Driller's License Number:**
- **Driller's Signature:**
- **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, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
MUSSEL (ELL COUNTY)

FILED THIS 15TH DAY OF
February 10, 1966
AT 4:27 O'CLOCK P.M.

CLAUDIUS FLETCHER
COUNTY RECORDER

Mervin L. Daniel
DEPUTY
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Gössena Ranch &amp; Livestock Co</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Roundup, Mont.</td>
</tr>
<tr>
<td>Driller</td>
<td>Anderson Drilling</td>
</tr>
<tr>
<td>Address</td>
<td>Billings, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td>Nov. 1945</td>
</tr>
<tr>
<td>Location:</td>
<td>Sec. 35, T. 9, R. 27, 1/4 sec. SE^</td>
</tr>
</tbody>
</table>

**Type of well driven**
- Churn

**Equipment used**
- churn

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

**Casing**
- 0 ft. to 45 ft. Type heavy Size 8-5/8
- 0 ft. to 315 ft. Type calv. Size 6"
- Casing: ft. to ft. Type Size
- Perforated or Screened: Ft. 250 to Ft. 315 Ft. to Ft.
- Type of screen or perforations slot

**Static Water level, for non-flowing well**: 14 feet.

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

**Pumping water level**: 20' feet at 7 gal. per min.

**How tested**: jet pump

**Length of test**: __________

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6</td>
<td>dirt</td>
</tr>
<tr>
<td>6 - 15</td>
<td>gravel</td>
</tr>
<tr>
<td>15 - 21</td>
<td>sand</td>
</tr>
<tr>
<td>21 - 25</td>
<td>sand rock</td>
</tr>
<tr>
<td>26 - 30</td>
<td>blue shale</td>
</tr>
<tr>
<td>30 - 35</td>
<td>sandy light shale</td>
</tr>
<tr>
<td>35 - 50</td>
<td>gray to blue shale</td>
</tr>
<tr>
<td>50 - 66</td>
<td>brown shale</td>
</tr>
<tr>
<td>66 - 67</td>
<td>hard sandy shale</td>
</tr>
<tr>
<td>67 - 115</td>
<td>mostly blue shale</td>
</tr>
<tr>
<td>115 - 123</td>
<td>gray shale</td>
</tr>
<tr>
<td>123 - 135</td>
<td>blue shale</td>
</tr>
<tr>
<td>135 - 137</td>
<td>gray sand</td>
</tr>
<tr>
<td>137 - 150</td>
<td>blue shale</td>
</tr>
<tr>
<td>150 - 152</td>
<td>light gray sand</td>
</tr>
<tr>
<td>152 - 190</td>
<td>mostly shale</td>
</tr>
<tr>
<td>190 - 198</td>
<td>light sandy shale</td>
</tr>
<tr>
<td>198 - 250</td>
<td>shale</td>
</tr>
<tr>
<td>250 - 256</td>
<td>coal</td>
</tr>
<tr>
<td>256 - 315</td>
<td>blue and brown shale</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner
Contractor (if any)
Address of Contractor
Date Started
Date Completed

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

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.

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

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.
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Paul Hoffen.Points**, of Delphi, Brandt
   - **(Address)**
   - **(Town)**
   - **(County)**
   - **(State)**
   - **(Name of Appropriator)**

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

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

   - Insert here

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

   - Jan 5, 1957

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

   - 1 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.

   - [Description]

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.**

   - 1957

8. **The depth of water table.**

   - Slightly 10 ft. from tip of well

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.**

   - Uncasing about 300 ft.

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

    - Unknown

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**: Paul Hoffen.Points

**Date**: Dec 26, 65

---

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,
RUSSELLVILLE COUNTY,

FILED THIS 37TH DAY OF
December, A.D. 1963
AT 5:10 O'CLOCK P.M.

COUNTY RECORDER

FRANK A. DOWNS
DEPUTY