Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ray Harrington  Address: Wibaux
Driller: HD Goodale  Address: Beach N.D.

Date of Notice of Appropriation of Groundwater: APRIL 62
Date well started: APRIL 62. Date Completed: APRIL 62.

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

Water Use: Domestic [ ]  Municipal [ ]  Stock [X]  Irrigation [ ]
Industrial [ ]  Drainage [ ]  Other [ ]

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size of Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8&quot;</td>
<td>4&quot; x 10</td>
<td>1</td>
<td>252</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 140 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level: 190 feet at 3 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: Pump  Length of Test: 8 hrs.

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

S.E. 1/4, Sec. 20, T.26 N., R.60 E.
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator. 26250
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Thomas A. Zabrocki
   610 - 23rd St. No., Great Falls
   (Name of Appropriator) (Address) (Town)
   County of Cascade 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 is for Household use, and Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1955 = constant

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

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

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

   Station drawn pump

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

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
   c" steel casing, 440 feet deep

10. The estimated amount of groundwater withdrawn each year 329,000 gallons

11. The log of formations encountered in the drilling of each well if available not known

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 known

   Signature of Owner

   Date December 23, 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.
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
Address
Date well started
completed
Type of well
Equipment used
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

<table>
<thead>
<tr>
<th>Size of</th>
<th>Film</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>V, W, E</td>
<td>PVC</td>
<td>178</td>
<td>G.L.</td>
<td>172, 178</td>
</tr>
</tbody>
</table>

Static water level 7 ft.
Pumping, water level 180 ft.
at 100 gallons per minute,
measured 30 minutes after pumping
began.

*Measured from ground level.

Well developed by
Power Pump 3 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
Driller’s Address

LICENSE NO. 2

County

DELLER'S LOG
Indicate the character, color, thickness of strata such as soil, clay, sand,
gravel, shale, sandstone, etc. Show depth at which water is found and
height to which water rises in well.

Top of Ground

<table>
<thead>
<tr>
<th>Depth from</th>
<th>To Depth</th>
<th>Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>180 ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Show exact depth of bottom

52310
STATE OF MONTANA
ADMINISTRATOR OF OSMER
CODE OF MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

[Handwritten note: 'Violated']

[Handwritten note: 'January 1, 1973']

[Handwritten note: 'Driller: ]

[Handwritten note: 'Address:]

[Handwritten note: 'Well started:]

[Handwritten note: 'Well completed:]

[Handwritten note: 'Type of well:]

[Handwritten note: 'Equipment used:]

[Handwritten note: 'Water use:]

[Handwritten note: 'Use:]

[Handwritten note: 'Estimated annual withdrawal:]

[Handwritten note: 'Top of ground:]

[Handwritten note: 'Estimate of depth:]

[Handwritten note: 'Static water level:]

[Handwritten note: 'Pumping water level:]

[Handwritten note: 'Remarks:]

[Handwritten note: 'Driller's signature:]

[Handwritten note: 'Driller's address:]

[Handwritten note: 'County:]

[Handwritten note: 'License No.:]

[Handwritten note: 'Well location:]

[Handwritten note: 'Place of use:]

[Handwritten note: 'Show exact depth of bottom:]

[Handwritten note: 'INCHES']
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:**
- **Name of Appropriator:**
- **Address:**
- **City:**

**County of Appropriation:**
- **State:**

### Declaration

1. **Description of Groundwater Rights:**

<table>
<thead>
<tr>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Beneficial Use

2. **Beneficial use on which the claim is based:**

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>

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

- **(a)**
- **(b)**

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

- **(a)**
- **(b)**

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

6. **Means of withdrawing water:**

- **(a)**
- **(b)**

7. **Date of commencement and completion of construction of the well, or other works for withdrawal of groundwater:**

- **(a)**
- **(b)**

8. **Depth of water table:**

- **(a)**
- **(b)**

9. **Specifications of any other works for withdrawal of groundwater:**

- **(a)**
- **(b)**

10. **Estimated amount of groundwater withdrawn each year:**

- **(a)**
- **(b)**

11. **Log of formations encountered in the drilling of each well:**

- **Not Available**

12. **Other information of a similar nature:**

- **Not Available**

---

**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.
# WATER WELL LOG

**Owner:** Joe & John Wicks

**Address:** Wibaux, Montana

**Driller:** H. Goodale

**Address:** Beach, W. D.

**Date Started:** Sept. 20, 1959

**Date Completed:** Sept. 23, 1959

**Location:** Sec. 23 T. 12 R. 60 1/4 sec.

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

## Casing
- Type of Well:
  - Des. driven, bored, or drilled [ ]
  - Chisel drill, rotary, other [ ]

- Equipment Used:
  - Type [ ]
  - Size [ ]

- Casing: 
  - Feet to ft. [ ]
  - Type [ ]
  - Size [ ]

- Perforated or Screened:
  - Feet to ft. [ ]
  - Type [ ]
  - Size [ ]

- Type of screen or perforations: [slot]

- 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)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>1</td>
<td>15</td>
</tr>
<tr>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>18</td>
<td>70</td>
</tr>
<tr>
<td>70</td>
<td>72</td>
</tr>
<tr>
<td>72</td>
<td>115</td>
</tr>
<tr>
<td>115</td>
<td>117</td>
</tr>
<tr>
<td>117</td>
<td>147</td>
</tr>
<tr>
<td>147</td>
<td>148</td>
</tr>
<tr>
<td>148</td>
<td>235</td>
</tr>
<tr>
<td>235</td>
<td>240</td>
</tr>
<tr>
<td>240</td>
<td>290</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1927

Owner: GOVERA O. HEMNES
Address: Brack - N. Dakota

Contractor (if any): NONE
Address of Contractor: NONE

Date Started: 10-10-1927 Date Completed: 10-16-1927

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water comes to surface naturally and flows down creek.

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

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

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

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

GOVERT - O. HEMNES, of BEACH, N. DAKOTA
(Name of Appropriator) (Address) (Town)
County of WIBAW 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:  
   CATTLE - LIVESTOCK - CROP-SPRAYING

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:  
   FIRST WELL 1897-1963  
   SECOND WELL 1897-1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute):  
   FIRST - 7 QALs  SECOND - 7 QALs

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:  
   NAME

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:  
   FIRST-WINDMILL  SECOND - ELECTRIC PUMP

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:  
   FIRST - B-1-1897 D - 7-1917  
   SECOND 7-12-1947 D - 7-25-1947

8. The depth of water table:  DON'T KNOW

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:  
   FIRST WELL 5" CASING 1 1/2" PIPE 8' CYLINDER 162' DEPTH  
   SECOND 6 CASING 1 1/2" PIPE 3' CYLINDER 193' DEPTH

10. The estimated amount of groundwater withdrawn each year: 884,000

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:  

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.

12853
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: A.O. Penney
Address: Room 1-4.
Driller: H.O. Goodman
Address: Room 1-4.

Date of Notice of Appropriation of Groundwater: 4-07-65
Date well started: 4-07-65
Date Completed: 5-07-65

Type of well: Drilled
Equipment Used: None

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Use and Weight of casing</th>
<th>From (feet)</th>
<th>To (feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>6&quot;10</td>
<td>0</td>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 8 feet.
Shut-in Pressure for Flowing Well: 35 feet at 40 gal. per minute.
Discharge in gal. per min. of flowing well: 
How Tested: Driller
Length of Test: 4.5 ft.
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

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

Show exact depth of bottom.

Driller's License Number
Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadraplicate 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: About 1959
Owner: Fred Ledlakshi
Address: 415 3rd Ave, Helena, Mont.
Contractor (if any): None
Address of Contractor: 300 E 5th Ave, Missoula
Date Started: Dec 27, 1962
Date Completed: Same day

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

Newly developed or developed from spring / natural run-off /

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.

Approach to seek: Summer or winter watered

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

Signature of Owner: Fred Ledlakshi
Date: Dec 3, 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 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)

1. MARTHA WICKA, of WIBAUX

(Owner)

(County)

(State)

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:

JULY 1958, CONTINUOUS

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

60 TO 70 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

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 works for withdrawal of groundwater:

COMMENCEMENT: COMPLETION:

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:

WATER IS WITHDRAWN FROM A MARCHING LAND PENETRATING A STRATA OF SAND AND Silt DEPTHS OF APPROXIMATELY 75 FEET

10. The estimated amount of groundwater withdrawn each year:

50,000 TO 70,000

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 references to book and page of any county record:

Machine dug site

IN WHICH THE WELL IS STILL EXCAVATING OF APPROXIMATELY 75 FEET

Signature of Owner: ELECTRA

Date:

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

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

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

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

1. Deed (Name of Appropriator)
   of Wibaux, Montana (Town)

County of Wibaux
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 and Household
   Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1, 1917 2. 1955

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   1, 2½ 2. 2½

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
   Just Garden

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Pumped 2. Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1917 2. 1955

8. The depth of water table
   1. 600 Ft. 2. 60 Ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   Pumped 80 Ft. 6" Casing 2. Windmill 1000 Ft., 4" Casing

10. The estimated amount of groundwater withdrawn each year
    1. 1,296,000 2. 1,296,000

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
    None

Signature of owner

Date
December 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.
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 231, Montana Session Laws, 1961)

Owner: John Doe
Address: 123 Main St, Anytown, MT
Driller: Jane Smith
Address: 456 Oak Ave, Anytown, MT

Date of Notice of appropriation of groundwater: January 2, 1963
Date well started: January 5, 1963
Date completed: January 8, 1963

Type of well: Drilled
Equipment used: Churn drill, rotary or other

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; x 10&quot;</td>
<td></td>
<td>0</td>
<td>288</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 40 feet
Shut-in Pressure for Flowing Well: 8 gal. per minute
Pumping Water Level: 40 feet at: 8 gal. per minute
Discharge in gal. per min. of flowing well: 100
How Tested: 100
Length of Test: 100
Remarks: (Gravel packing, cementing, packers, type of shutoff), Adjoin well

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

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

Driller’s License Number: 123456
Driller’s Signature: Signature

File No.: 91

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.

44, 249
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)

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

1. [Diagram with small squares indicating point of appropriation and location of each well or other means of withdrawal.]

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: __________________________

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

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

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

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed
by the owner with the County Clerk and Recorder in the county in
which the well is located, last copy to be retained by driller.
Please answer all questions. If not applicable, so state, otherwise the
form may be returned.

Owner _____________________________
Address ____________________________

Date well started: ____________________
Date well completed: __________________

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

<table>
<thead>
<tr>
<th>Size of Tubing</th>
<th>Size of Pipe</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>10&quot;</td>
<td>15&quot;</td>
<td>0</td>
<td>80'</td>
<td>1/8&quot;</td>
</tr>
</tbody>
</table>

Static water level _______ 12' ft.
Pumping water level _______ 80' ft.
at _______ gallons per minute,
measured _______ minutes after pumping
began.
*Measured from ground level.
Well developed by _______pumping
for _______ hours.
Power _______ Pumping Jack _______ 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 __________________________

Driller's Address ________________

LICENSE NO.: ____________

Show exact depth of bottom ____________
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: 1894, Approx.

Owner: D. L. Hortis
Address: Wibaux, Montana

Contractor (if any): None
Address of Contractor: None

Date Started: 1894 Approx., Date Completed: 1894

Describe means of obtaining groundwater without a well 'as by sub-irrigation and other natural processes'. Include depth to water when applicable. Natural Flow, Water Standing 1 ft. Deep

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use: Spring and Winter

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

Signature of Owner: D. L. Hortis
Date: December 27, 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 Appropriate.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Viola Koop, of Wibaux, Montana
(Name of Appropriator) (Address) (Town)

County of Wibaux, State of Montana

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

1. Stock Watering

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

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.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner
Address
Driller C. H. Stor, Address, stuff
Address

Date of Notice of Appropriation of Groundwater

Date well started 6-22-66 Date Completed 6-29-66

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

Water Use: Domestic Municipal Other Irrigation
Industrial Drainage Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>4&quot;</td>
<td>11&quot; pump</td>
<td>0</td>
<td>165</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 115 feet.
Shut-in Pressure for flowing well: 135 feet at 5 gal. per minute.
Pumping Water Level: 135 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well:
Length of Test: 20 hrs.

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

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

Show exact depth of bottom.

R. Christ
Driller's License Number

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, 1963)

1. John Wicks, [Name of Appropriator]
of: [Address]

County of [County] 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - 1955
   - Full year
   - Sept. to Oct.

4. The amount of groundwater claimed, (in miner's inches or gallons per minute): 10 - 60 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:
   - Not used

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - October 1955 to October 1956

8. The depth of water table: 15 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:
   - This well is operated by a gas engine and pumped into a 200 gallon stock tank.

10. The estimated amount of groundwater withdrawn each year: 650,000 to 750,000 gal.

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:
   - 12" concrete casing and bentonite water depth of approx. 50 feet.

Signature of Owner: [Signature]
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.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td>SOLEOWSKI, STANLEY</td>
<td></td>
<td>10333</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>ZIMMERMAN, MARTHA</td>
<td>G.W.4</td>
<td>107400</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>CRAMP, GEORGE</td>
<td></td>
<td>10233</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>MACE, HARRY</td>
<td></td>
<td>105516</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>MACE, HARRY</td>
<td></td>
<td>105563</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>LOVELL, RUTHERFORD</td>
<td></td>
<td>105313</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>LOVELL, RUTHERFORD</td>
<td></td>
<td>105314</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>BODDEN, W.H.</td>
<td></td>
<td>106943</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>GRAY, JULIE &amp; MRS</td>
<td>G.W.4</td>
<td>10233</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>SARTZ, LEONARD</td>
<td></td>
<td>10733</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>MISTLER, WENDA</td>
<td>G.W.2</td>
<td>150510</td>
<td></td>
</tr>
</tbody>
</table>
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Stanley Jakob,** of **Bovey** (town)

   County of **Missoula**, State of **Montana**

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: **About 1928**

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **About 100**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1928**

8. The depth of water table: **12 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: **123 ft**

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

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: **None**

---

**Signature of Owner:**

**Date:** 12/20

---

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 Appropriorator.
### Declaration of Vested Groundwater Rights

**State of Montana**

**Administrator of Groundwater Code**

**Office of State Engineer**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Martha Winkelman**, of Beach, X, Dkt.
   - County of: Helena
   - State of: Mont.

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

<table>
<thead>
<tr>
<th>W</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based. **For fire, and for stock of necessary supply.**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1918, Occasionally.**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **15 to 25 gallon 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 (include the number of each pump).

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

8. The depth of water table. **[Insert depth].**

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. **[Insert specifications].**

10. The estimated amount of groundwater withdrawn each year. **Varies from year to 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. **[Insert reference].**

---

**Signature of Owner:**

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

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

1. Griffith, George of Route 2 Beach, N.Dak.
   County of Wibaux State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1. 1915, continuously; 2. 1930, continuously; 3. 1931, continuously; 4. 1934, continuously.

4. The amount of groundwater claimed (in inches per minute): 12

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1. 1915
   2. 1930
   3. 1931

8. The depth of water table:
   1. 100 ft
   2. 250 ft
   3. 170 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:
   1. 5 in casing 14 pipe 180 ft deep
   2. 5 in casing 14 pipe 240 ft deep
   3. 5 in casing 14 pipe 190 ft deep

10. The estimated amount of groundwater withdrawn each year: 850,000 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: Griffith
Date: Dec. 12, 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.

9891
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**STATE ENGINEER**

---

1. **Harry L. Apjohn**
   - Name of Approporator
   - Address
   - Town

2. **County of**
   - Name of County
   - State of Montana

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

   ![Diagram](image)

   - **N**
   - **S**
   - **E**
   - **W**

4. **The amount of groundwater claimed (in miner's inches or gallons per minute):**
   - **1.23**

5. **If used for irrigation, give the section and description of the lands to which water has been applied and name of the owner thereof:**
   - **Sec. 20, T.12, R. 61**

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

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:**
   - **140.5 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:**
   - **Drilled, size 6 in. depth 150 ft.**

10. **The estimated amount of groundwater withdrawn each year:**
    - **100,000 Gal.**

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

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:**
    - **One**

**Signature of Owner:**

Harry L. Apjohn

**Date:** March 14, 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 School of Mines and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Declaration of United Water Rights</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harry L. Nagel</td>
</tr>
<tr>
<td>To: Public</td>
</tr>
<tr>
<td>WIBAUX COUNTY, MONTANA</td>
</tr>
</tbody>
</table>

**Filed**

Mar. 10, 1923
8:45 a.m.

[Signature]

[Date: Mar. 10, 1923]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

I. [Name of Appropriator]
    (Address)
    (Town)

County of: [County]
State of: [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

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 School of Mines and quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Rutherford Bruce Lovell, of Metol Beach, W. Dak
(Name of Appropriator) (Address) (Town)
County of Wibaux 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, Home, Commercial, Home Garden, Forestry, Shellfish and Fruit trees.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: April 12, 1959

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 17 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: Non-commercial Home Garden, Domestic, Shellfish and Fruit trees within 1 mile of the property line of the premises above given.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: A 2½ inch pump from well located in N11104, R11154, T12 S12.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 3, 1959, May 12, 1959

8. The depth of water table: 185 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: Rotary drill well, Drilled To 200 feet, 7 inch metal casing installed, 10 feet of gravel filter.

10. The estimated amount of groundwater withdrawn each year: 785,000

11. The log of formations encountered in the drilling of each well if available: Log of material drilled attached

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: Dec 29, 1961

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriaor.
<table>
<thead>
<tr>
<th>Depth (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0 to</td>
</tr>
<tr>
<td>8</td>
</tr>
<tr>
<td>14</td>
</tr>
<tr>
<td>18</td>
</tr>
<tr>
<td>21</td>
</tr>
<tr>
<td>25</td>
</tr>
<tr>
<td>41</td>
</tr>
<tr>
<td>47</td>
</tr>
<tr>
<td>51</td>
</tr>
<tr>
<td>53</td>
</tr>
<tr>
<td>56</td>
</tr>
<tr>
<td>57</td>
</tr>
<tr>
<td>61</td>
</tr>
<tr>
<td>64</td>
</tr>
<tr>
<td>80</td>
</tr>
<tr>
<td>91</td>
</tr>
<tr>
<td>98</td>
</tr>
<tr>
<td>101</td>
</tr>
<tr>
<td>105</td>
</tr>
<tr>
<td>146</td>
</tr>
<tr>
<td>149</td>
</tr>
<tr>
<td>155</td>
</tr>
<tr>
<td>157</td>
</tr>
<tr>
<td>158</td>
</tr>
<tr>
<td>166</td>
</tr>
<tr>
<td>172</td>
</tr>
<tr>
<td>173</td>
</tr>
<tr>
<td>185</td>
</tr>
<tr>
<td>195</td>
</tr>
<tr>
<td>197</td>
</tr>
<tr>
<td>201</td>
</tr>
<tr>
<td>205</td>
</tr>
</tbody>
</table>

**Description of Material Drilled**

- **Brown sandy clay**
- **Light gray sandy clay**
- **Sandstone**
- **Gray sandy clay**
- **Coal**
- **Brown clay**
- **Blue clay**
- **Gray sandy clay**
- **Coal**
- **Fine sand – trace water**
- **sandstone**
- **sand – water**
- **Gray sandy clay**
- **sand**
- **Gray sandy clay**
- **Coal**
- **Dark gray shale**
- **Coal and shale**
- **Rock**
- **Brown clay**
- **Gray sandy clay**
- **Coal**
- **Gray clay**
- **Fine sand – water**
- **Sandy clay**
- **Sand**
- **Sandy clay**
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Rutherford Bruce Level, of Route 1, Beach, ND
   (Name of Appropriator) (Address) (Town)
   County of Wibaux 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 stockwater

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been Continuous June 21, 1952 to May 12, 1959, intermittent after May 12, 1959

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 24 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 None

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Hand pump, piston and cylinder

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   June 21, 1952 June 21, 1952

   8. The depth of water table 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
   24 ft diameter, precast sectional concrete casing from 0 feet above ground level to 24 ft below ground level. Reservoir to 50 feet below ground level.

   10. The estimated amount of groundwater withdrawn each year 29,000 gallons

   11. The log of formations encountered in the drilling of each well if available
   4'-24' ft fine sand with pieces of petrified wood
   24' to 25' ft. Cold water bearing
   25' to 35' ft. Heavy yellow clay

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
   Above information applies to one of three completed wells on产销 tract 12461
   before Jan 1, 1961. Similar information for three found of these three wells is being submitted for filing this date.

   Signature of Owner
   [Signature]
   Date Dec 29, 1961

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Rutherford Bruce Lovell, of Route 1, Beach, N.DAK.

County of: Wibaux

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. 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 or 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: Rutherford Bruce Lovell

Date: Dec 29, 1961

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.
**Log of Well**

Materials drilled and depths below ground level are from log of well approximate 100' N of site of well described in attached declaration.

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>8</td>
<td>Brown sandy clay</td>
</tr>
<tr>
<td>8</td>
<td>14</td>
<td>Light sandy gray clay</td>
</tr>
<tr>
<td>14</td>
<td>15</td>
<td>Sandstone</td>
</tr>
<tr>
<td>15</td>
<td>18</td>
<td>Gray sandy clay</td>
</tr>
<tr>
<td>18</td>
<td>21</td>
<td>Coal</td>
</tr>
<tr>
<td>21</td>
<td>25</td>
<td>Brown clay</td>
</tr>
<tr>
<td>25</td>
<td>41</td>
<td>Coal</td>
</tr>
<tr>
<td>41</td>
<td>47</td>
<td>Blue clay</td>
</tr>
<tr>
<td>47</td>
<td>51</td>
<td>Gray sandy clay</td>
</tr>
<tr>
<td>51</td>
<td>53</td>
<td>Coal</td>
</tr>
<tr>
<td>53</td>
<td>56</td>
<td>Gray sandy clay</td>
</tr>
<tr>
<td>56</td>
<td>57</td>
<td>Sand (Fine)</td>
</tr>
<tr>
<td>57</td>
<td>61</td>
<td>Sandstone</td>
</tr>
<tr>
<td>61</td>
<td>80</td>
<td>Sand - Water</td>
</tr>
<tr>
<td>80</td>
<td>90</td>
<td>Gray sandy clay</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)

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

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

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

   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 Appropraior.
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Right

(Under Chapter 237, Montana Session Laws, 1961)

1. Mrs. Tillie O. Gray, of Wibaux, Montana
   (Name of Appropriator) (Address) (Town)

   County of Wibaux, 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, Irrigating

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Approximately 1907

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 to 12 Gallons Per Minute

   5. If used for irrigation, give the average and description of the lands to which water has been supplied and name of the owner thereof: Garden and Fire

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Approximately 1907

   8. The depth of water table: About 160 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" Casing

   10. The estimated amount of groundwater withdrawn each year: 630,720 Gal.

   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: None

   Signature of Owner: Mrs. Tillie O. Gray
   Date: December 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.

   25137