STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Edwin Johnston
(Name of Appropriator)
of
Malta
(Address)
(Town)
County of Phillips
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 watering.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: continuous, December 20, 1945.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 20 gallons per minute.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: rod type pump installed with 90 feet pipe and rod above cylinder and 9 feet pipe below. Size of cylinder 2 3/4".

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: November 21, 1945 to December 20, 1945.

8. The depth of water table: 730 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: rod type pump installed with 90 feet pipe and rod above cylinder and 9 feet pipe below. Size of cylinder 2 3/4".

10. The estimated amount of groundwater withdrawn each year: domestic use and 200 head of cows.

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

See Document No. 219426, records of Phillips County, Montana.

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: Edwin Johnston
Date: March 4th, 1963.

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

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

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

County of Phillips,

Filed for record this day of May, A.D. 1963 at 9:25 a.m., and duly recorded in book

Deed

By:

Fees: $2.00

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

1. Name of Appropriator: Thomas Holley
   Address: 123 Main St.
   Town: Helena

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

3. The beneficial use on which the claim is based: Domestic use

4. Date or approximate date of earliest beneficial use: 1924

5. The amount of groundwater claimed (in miner's inches or gallons per minute): 50

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

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: 620

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: Thomas Holley
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.
Filed: Dec. 30, 1963
At: 3:24 P.M.
Tu & Tu, 10.

Roseline Maloney
Clerk & Recorder
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

(Please fill in the following information)

2. The beneficial use for which the water is needed.

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 acres and description of the land 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.

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.
Meas. # 15908
236936

At 9:07 A.M.

Fee # 2.00

P. V. Maloney
Clerk & Recorder
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<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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**MONTANA BUREAU OF MINES AND GEOLOGY**

**STATE ENGINEER**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Owner:** Anna Kusanik  
  **Address:** Malta, Montana

- **Driller:** Claude & Ray Shores  
  **Address:** Malta, Montana

- **Date Started:** September 2, 1958  
  **Date Completed:** September 18, 1958

- **Location:** Sec. 4, T. 25 N, R. 32 W

- **Type of well:** Drilled  
  **Equipment used:** rotary

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

- **Industrial [ ]  
  - Drainage [ ]  
  - Other [ ]

- **Casing:**
  - 0 ft to 671 ft
  - Type: O.D.  
  - Size: 4 inch

- **Casing:**
  - 671 ft to 810 ft  
  - Type:  
  - Size:  

- **Perforated or Screened:**
  - 810 ft to 670 ft  
  - Ft to ft

- **Type of screen or perforations:**  
  - 4 inch hole drilled

- **Static Water level, for non-flowing well:** 37 feet

- **Shut-in pressure, for flowing well:** 15 lb/sq. in. on: (date)

- **Pumping water level:** 190 feet at 10 gal. per min.

- **How tested:** Pumped

- **Length of test:** 4 hrs

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>8</td>
<td></td>
<td>Topsoil</td>
</tr>
<tr>
<td>9</td>
<td>38</td>
<td></td>
<td>Sand and Gravel</td>
</tr>
<tr>
<td>38</td>
<td>80</td>
<td></td>
<td>Blue Clay</td>
</tr>
<tr>
<td>80</td>
<td>86</td>
<td></td>
<td>Loose Rock</td>
</tr>
<tr>
<td>86</td>
<td>397</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>397</td>
<td>400</td>
<td></td>
<td>Rock (36 inches)</td>
</tr>
<tr>
<td>400</td>
<td>405</td>
<td></td>
<td>Judith formation</td>
</tr>
<tr>
<td>405</td>
<td>406</td>
<td></td>
<td>Rock (16 inches)</td>
</tr>
<tr>
<td>406</td>
<td>450</td>
<td></td>
<td>Judith formation</td>
</tr>
<tr>
<td>450</td>
<td>451</td>
<td></td>
<td>Rock (12 inches)</td>
</tr>
<tr>
<td>451</td>
<td>464</td>
<td></td>
<td>Judith formation</td>
</tr>
<tr>
<td>464</td>
<td>465</td>
<td></td>
<td>Rock (3 inches very hard)</td>
</tr>
<tr>
<td>465</td>
<td>535</td>
<td></td>
<td>Judith formation</td>
</tr>
<tr>
<td>535</td>
<td>540</td>
<td></td>
<td>Rock (5 feet 6 inches)</td>
</tr>
<tr>
<td>540</td>
<td>654</td>
<td></td>
<td>Judith formation</td>
</tr>
<tr>
<td>654</td>
<td>655</td>
<td></td>
<td>Rock (5 inches)</td>
</tr>
<tr>
<td>655</td>
<td>671</td>
<td></td>
<td>Judith formation</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, 1964)

1. Anna Humenik, of Malta
   (Name of Appropriator)
   (Address)
   (Town)

   County of Phillips
   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: 1. stock & domestic 2. house & stock

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1. 1958 continuous 2. 1920 continuous

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1. 10 gal per min. 2. 10 gal per min.

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

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

   1. Electric pump
   2. Electric pump


   8. The depth of water table: 1. 37 ft. 2. 8 ft.

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

   1. 4 in. drilled steel casing 57 ft. deep
   2. Hand dug 4' square 22 ft. deep

   10. The estimated amount of groundwater withdrawn each year: 1. 500,000 gallons 2. 100,000 gallons

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

   465-535 Judith formation 535-540 rock 5 in 545-571 Judith formation

   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

   Log for 2. not available

   Signature of Owner/s/ Anna Humenik

   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.

   2 3 9 6 4
Miss 16059
237087

Phillips Co.

Filed 12-31-63
At 11:30 A.M.

Fee $2.00

R.V. Muloney
Clerk Recorder.
## Groundwater Index

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>Harry G. Allman</td>
<td>A-2</td>
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<td>Robert F. Krasesnik</td>
<td>A-3</td>
<td>233473</td>
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<tr>
<td>12</td>
<td>James T. Knight</td>
<td>A-4</td>
<td>234716</td>
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**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Harry F. LeBore
Address: Landusky, Montana

Driller: Simpson Drilling Co.
Address: Malta, Montana

Date of Notice of appropriation of ground water

Date well started: March 17, 1966
Date Completed: March 28, 1966

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

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock, or sand, etc. Show the 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>
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<th>Strata</th>
<th>Depth</th>
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<td>3</td>
</tr>
<tr>
<td>sandy brown shale</td>
<td>5</td>
</tr>
<tr>
<td>dry brown sandstone</td>
<td>50</td>
</tr>
<tr>
<td>dark shale</td>
<td>82</td>
</tr>
<tr>
<td>sandy brown shale</td>
<td>95</td>
</tr>
<tr>
<td>black shale</td>
<td>120</td>
</tr>
<tr>
<td>sandy grey shale</td>
<td>140</td>
</tr>
<tr>
<td>dark shale</td>
<td>150</td>
</tr>
<tr>
<td>grey sandstone</td>
<td>150</td>
</tr>
</tbody>
</table>

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

Show exact depth of bottom.

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

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 Appropriorator.
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: 1948
Owner: Harry J. LaBorn, Landusky
and Alma M. LaBorn, Joint Tenants
Contractor (if any)

Address of Contractor

Date Started: July 1948
Date Completed: July 1948

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

Springs and maple wood
Plank box 5' x 10', 1 1/2"
Plastic pipe to tank

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

Springs

per min each or

50 gal

Signature of Owner
Harry J. LaBorn
Date: Dec 31, 1968

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.
Mar 15, 1938
237018
237018

Phillip's
Paid 12-31-33
at 10:27 PM

See 3-18
R. V. Meldev
Clark & Co. Inc.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1931

Owner: Stuart F. Karpnick
Address: Landusky, Montana

Contractor (if any):
Address of Contractor:

Date Started: 1931 Date Completed: 1931

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

Natural 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. 3 kwp.

Continuous use

Signature of Owner: Stuart F. Karpnick
Date: December 27th, 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.
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: 1933
Owner: Stuart F. Kapernick
Address: Landusky, Montana
Contractor (if any): 
Address of Contractor: 
Date Started: 1931, Date Completed: 1931
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes", include depth to
water when applicable. natural 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, estimated, continuous use.

Signature of Owner, Stuart F. Kapernick
Date: December 27th, 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)

George N. Lund

1. Lot 3, Sec. 26, T. 24 N. R. 23 E.
2. The beneficial use on which the claim is based: Domestic and stockwater from 3 springs.
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1915 - continuous since.
4. The amount of groundwater claimed (in miner's inches or gallons per minute) varies seasonally (all that flows claimed).
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:
   - Flowing Springs
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: approximately 1915
8. The depth of water table: 0
9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
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 references to book and page of any county record:

Signature of Owner

Date: December 27th, 1963.
### Groundwater Index

**County:** Phillips  
**Twp.:** 24  
**Rge.:** 24E

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>GW4</td>
<td>234275</td>
<td></td>
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<td>10</td>
<td>John O. Jefferd</td>
<td>958</td>
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<td>J. M. Phillips</td>
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<td>K. M. Phillips</td>
<td>GW4</td>
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<td>Leonard Jefferd</td>
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<td>Robert L. Lund</td>
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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1934)

Leonard Seaforth at Zootman
County of Phillips, State of Montana

I 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: Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Hasn't been used

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Was never pumped

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: Sept. 15, 1956 - April 1, 1957

8. The depth of water table: 30 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: 60 ft. 6" casing, well depth 260 ft.

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

11. The log of formations encountered in the drilling of each well if available: 11' gray sand, 12' clay, 7' gray sand, 2' shale, 3' sandy shale, 61'

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: Leonard Seaforth
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 Appropriate.
### WATER WELL LOG

**Owner:** Chas DeSieford  
**Address:** Sandusky  
**Driller:** Chas DeSieford  
**Address:**  
**Date Started/Drill:**  
**Date Completed:**  

**Location:** Sec. 10  
**T. 24  
**R. 24  
**Sec. 8-13**  

**Type of well:** Drilled  
**Equipment used:** Churn drill  

**Water use:** Stock  
**Irrigation:** X  

**Casing:**  
<table>
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<tr>
<th>Depth to</th>
<th>Type</th>
<th>Size</th>
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**Perforated or Screened:**  
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<th>Depth to</th>
<th>Type</th>
<th>Size</th>
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</thead>
<tbody>
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<tr>
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</tr>
</tbody>
</table>

**Type of screen or perforations:**  

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

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

**Pumping water level:**  
<table>
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<tr>
<th>Depth at</th>
</tr>
</thead>
<tbody>
<tr>
<td>32</td>
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</tbody>
</table>
| 10  
| 16 gal. per min.  

**How tested:** water table, seepage  
**Length of test:**  
|  
| 2 different times  

**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>
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</thead>
<tbody>
<tr>
<td>0 - 11</td>
<td>cement gravel</td>
</tr>
<tr>
<td>11 - 23</td>
<td>yellow clay</td>
</tr>
<tr>
<td>23 - 35</td>
<td>brown or black sandstone</td>
</tr>
<tr>
<td>35 - 102</td>
<td>grey sand or shale</td>
</tr>
</tbody>
</table>

*Note: Intermittent water showing.*

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>102 - 175</td>
<td>easy drilling, fine sand, brown sand, shale, continuous and shows.*</td>
</tr>
<tr>
<td>175 - 240</td>
<td>very hard sandstone</td>
</tr>
<tr>
<td>240 - 260</td>
<td>thin hard stuff</td>
</tr>
<tr>
<td>260 up</td>
<td>alternate sawdrilling and hardening, stiff drilling.</td>
</tr>
</tbody>
</table>

---

*Note: Field data taken by D. E. Stewart, 3rd Quarter 1925.*
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

B. M. Phillips
(Name of Appropriator)

County of Phillips
(State of Montana)

RIVERHEAD

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

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) 20 Gal. per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   September 1946

8. The depth of water table.
   27 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.

10. The estimated amount of groundwater withdrawn each year.
    180,000 gal.

11. The log of formations encountered in the drilling of each well if available.
    Gravel 20 ft.
    Sand 7 ft.

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 county record.

Signature of Owner: B. M. Phillips
Date: December 21, 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.
Phillips Co.

Filed 12-31-63

at 10:08 A.M.

See 2-20

R.V. Maloney

Al & Dee.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. B. M. Phillips, of Box 4, Landusky

(Name of Appropriator) (Address) (Town)

County of Phillips 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 watering lawn, livestock watering.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1914- more added in 1930.

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

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

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

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: Twenty three feet.

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

10. The estimated amount of groundwater withdrawn each year.

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: B. M. Phillips

Date: Dec. 31, 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.
June 15, 1967
236965

Phillips Co.
Filed 12-31-63
at 10:04 A.M.
Fee $2.00

R. V. Maloney
Clk Rec.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Mr. Phillips, of Box 4, Landusky, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1950

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 24 gallons

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

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: 3-2-21, 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 Appropiator.
Phillip C.
Filed 12-31-63
at 10:07 A.M.
See #2,00
R.V. Maloney
Chief

Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Oct 5, 1966
Owner: Leonard Schroeder, Lewistown, Mont.
Contractor (if any) ________________________________
Address of Contractor ________________________________
Date Started: Sept 15, 1966 Date Completed: Sept 30, 1966
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. 100' DEEP, 196' long; filled with
rocks & gravel, to hold water.

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: Leonard Schroeder
Date: Oct 5, 1966

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

Three copies of this notice are to be filled 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.

41.4.77
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Leonard Seaward, Lastman
(Name of Appropriator) (Address) (Town)
County of Phillips State of Montana

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute), 50 gallons

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, Jet Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater, May 12, 1958 — May 23, 1958

8. The depth of water table, 32 feet

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

10. The estimated amount of groundwater withdrawn each year, 90,000 gallons

11. The layer 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, Leonard Seaward
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)

Robert L. Lund
(Name of Appropriator)

Phillips
(Address)

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, stock
water & garden irrigation

3. Date or approximate date of earliest beneficial use; and how continu-
ous the use has been: April 22, 1958

4. The amount of groundwater claimed (in miner's inches or gallons
per minute): 7 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
water lawn & garden

6. The means of withdrawing such water from the ground and the loca-
tion of each well or other means of withdrawal: submersible pump

7. The date of commencement and completion of the construction of the well, wells or other works for with-
drawal of groundwater: Drilling started April 3, 1958, completed April 24, 1958

8. The depth of water table: 110'

9. So far as it may be available, the type, size, and depth of each well and the general specifications of any other
works for the withdrawal of groundwater: Drilled and cased with a pipe; water is withdrawn with Fairbanks-Morse submersible pump.

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

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

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

Signature of Owner: 

Date: Dec. 27, 1958

Three copies to be filled 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>Depth</th>
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<tr>
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<tr>
<td>2-5</td>
<td>Gravel</td>
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<tr>
<td>5-11</td>
<td>Clay</td>
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<tr>
<td>11-30</td>
<td>Sandy, clay</td>
</tr>
<tr>
<td>30-36</td>
<td>Shale</td>
</tr>
<tr>
<td>36-451</td>
<td>Shale</td>
</tr>
<tr>
<td>451-502</td>
<td>Judith Formation</td>
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<td>502-503</td>
<td>Rock (12&quot;)</td>
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<tr>
<td>503-671</td>
<td>Sand &amp; Sandstone</td>
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<tr>
<td>671-672</td>
<td>Rock (1&quot;)</td>
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<tr>
<td>672-690</td>
<td>Sand &amp; Sandstone</td>
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<tr>
<td>690-792</td>
<td>Rock (16&quot;)</td>
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<tr>
<td>792-800</td>
<td>Sand &amp; Sandstone</td>
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</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Tom Dewar
Address: Landucky, Mont.

Driller: Claude and Roy Etter
Address: Malta, Montana

Date Started: April 7, 1958
Date Completed: April 22, 1958

Location: Sec. 25 T. 24 R. 24 1/4 sec. NW S/W

Type of well: Dug
Equipment used: Rotary

Water use: Municipal

Casing: 0 ft. to 800 ft. Type: Iron

Perforated or Screened: 520 ft. to 650 ft. 700 ft. to 800 ft.

Type of screen or perforations: 1/4 inch Poly Drilled

Static Water level, for non-flowing well: 110 feet

Shut-in pressure, for flowing well: 1 lb./sq. in. on: 

Pumping water level: 214 feet at 7 gal. per min.

How tested: Gravel packed

Length of test: 3 hrs.

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

(over)
<table>
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<tr>
<th>Depth, feet</th>
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<tr>
<td>792</td>
<td>800</td>
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</table>
## GROUNDWATER INDEX

### County: Phillips  
### Twp.: 240  
### Rge.: 25E

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
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<td>Cw1</td>
<td>236447</td>
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<td>2</td>
<td>A.M. Phillips</td>
<td>Cw3</td>
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<td>3</td>
<td>Lazy 10 Cattle Co.</td>
<td>Cw3</td>
<td>236709</td>
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<td>4</td>
<td>A.M. Phillips</td>
<td>Cw4</td>
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<td>Robert E. Lund</td>
<td>Cw3</td>
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<td>Cw4</td>
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<td>Cw3</td>
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<td>236920</td>
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<td>Cw2</td>
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<td>11</td>
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<td>Cw2</td>
<td>247234</td>
<td></td>
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<td>Cw3</td>
<td>247205</td>
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<td>14</td>
<td>Robert E. Lund</td>
<td>Cw4</td>
<td>236719</td>
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<tr>
<td>15</td>
<td>Lazy 10 Cattle Co.</td>
<td>Cw4</td>
<td>236929</td>
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</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)

I.

<table>
<thead>
<tr>
<th>E. W. Phillips</th>
<th>of Box 4, Lenausky</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name of Appropriator)</td>
<td>(Address) (Town)</td>
</tr>
<tr>
<td>County of Phillips</td>
<td>State of Montana</td>
</tr>
</tbody>
</table>

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 **stock water**.

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

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

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: **Spring**.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **Jan 1 1962**.

8. The depth of water table: **10 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: **Spring**.

10. The estimated amount of groundwater withdrawn each year: **less in winter due to freezing**.

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

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

Signature of Owner: **E. W. Phillips**

Date: **Dec 31, 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.
- Mine 15947

236997

Phillips Co.

Filed 12-31-23

at 10:06 A.M.

Sec. * 2,10

R. J. Maloney

Cl. & Rec.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: B. N. Phillips
Address: Leadmont, Montana

Driller: Simpson Drilling Co.
Address: Malta, Montana

Date of Notice of appropriation of groundwater: April 4, 1966
Date well started: Date completed: April 12, 1966

Type of well: Drilled
Equipment used: Churn

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

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

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

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

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 Appropriator.
State of Montana,
County of Phillips,

Filed for Record this 22 day of May, A.D. 1966 at 11:30 A.M. and duly recorded in Book of Deeds of the County of Phillips, Montana.

[Signatures]
Treatment by [Name]

[Stamp]
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1957

Owner: LDS Cattle Co
Address: Fortman, Mont.

Contractor (if any): 
Address of Contractor: 

Date Started: 1957 Date Completed: 1963

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

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:

4 gal. per minute, continuous

Signature of Owner: LDS Cattle Co
Date: December 26th, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appraiser.
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

### County of Phillips

- State of Montana

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

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

1. **Name of Appropriator**
   - E. M. Phillips
2. **Address**
   - Box 4, Lamecky
3. **Town**
   - (Address)

### Beneficial Use

2. The beneficial use on which the claim is based: **Pumping water for livestock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1961—continued during each summer since that time**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2,000 gallons per day for seventy-five days during June, July, and August

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: **Location well commencing at the north-east corner of the west half of section 4, thence 1300 north, thence 159 ft west to pump. Also spring.**

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: **twenty feet**

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

10. The estimated amount of groundwater withdrawn each year: **225,000 gallons**

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

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

---

**Signature of Owner**: E. M. Phillips

**Date**: Dec. 31, 1943

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.
Misc. 15968
236936
Phillips Co.
Filed 12-31-33
At 10:05 A.M.
Fee $2,00
P.H. Moloney
Cl. & Reo.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237, Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1957

Owner: Lazy JD Cattle Co.
Address: Zortman, Montana

Contractor (if any): 
Address of Contractor: 
Date Started: 1957; Date Completed: 1963

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. **natural spring, dug out and piped to tank**

---

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. **3 gpm, continuous**

---

Signature of Owner: 
Date: December 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 School of Mines and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1911
Owner: Robert L. Lund
Address: Zortman, Montana

Contractor (if any) 
Address of Contractor

Date Started: 1911
Date Completed: 1911

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

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

Entire estimate approximate lengths of periods of use of water flows from pipe at rate of 3 gpm:

Signature of Owner: Robert L. Lund
Date: December 27th, 1963

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

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

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

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

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Robert L. Lund
(Name of Appropriator)

Zortman
(Address)

Phillips County
(Town)

Montana
(State)

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

1. Stock water

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. Oct. 20, 1962 - continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 14 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.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Aug. 20, 1962

8. The depth of water table. 95 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: drilled 440', casing 396', perforated 24'-256 & 368' to 376'

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

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

Signature of Owner: Robert L. Lund
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; Duplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Depth</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft.</td>
<td>Slide rock gravel</td>
</tr>
<tr>
<td>24 ft.</td>
<td>Brown shale sandstone</td>
</tr>
<tr>
<td>90 ft.</td>
<td>Grey shale sandstone</td>
</tr>
<tr>
<td>115 ft.</td>
<td>Dark grey sandstone</td>
</tr>
<tr>
<td>136 ft.</td>
<td>Med. grey Shale</td>
</tr>
<tr>
<td>136 ft.</td>
<td>Grey brown sandy shale</td>
</tr>
<tr>
<td>166 ft.</td>
<td>Grey sandy shale</td>
</tr>
<tr>
<td>193 ft.</td>
<td>Hard shale</td>
</tr>
<tr>
<td>197 ft.</td>
<td>Grey shale</td>
</tr>
<tr>
<td>207 ft.</td>
<td>Grey &amp; brown shale</td>
</tr>
<tr>
<td>207 ft.</td>
<td>Grey shale</td>
</tr>
<tr>
<td>242 ft.</td>
<td>Hard shale</td>
</tr>
<tr>
<td>245 ft.</td>
<td>Sandstone water</td>
</tr>
<tr>
<td>256 ft.</td>
<td>Grey &amp; brown shale</td>
</tr>
<tr>
<td>265 ft.</td>
<td>Grey shale</td>
</tr>
<tr>
<td>285 ft.</td>
<td>Grey shaley sandstone</td>
</tr>
<tr>
<td>301 ft.</td>
<td>Grey brown shale</td>
</tr>
<tr>
<td>305 ft.</td>
<td>Grey brown shale</td>
</tr>
<tr>
<td>309 ft.</td>
<td>Grey sandy shale</td>
</tr>
<tr>
<td>335 ft.</td>
<td>Grey green &amp; brown shale</td>
</tr>
<tr>
<td>340 ft.</td>
<td>Grey shale</td>
</tr>
<tr>
<td>353 ft.</td>
<td>Sandstone water</td>
</tr>
<tr>
<td>399 ft.</td>
<td>Grey shale</td>
</tr>
<tr>
<td>468 ft.</td>
<td>Sandstone water</td>
</tr>
<tr>
<td>476 ft.</td>
<td>Light shale</td>
</tr>
<tr>
<td>415 ft.</td>
<td>Dark grey shale clogsett</td>
</tr>
<tr>
<td>Perf.</td>
<td>245 ft. - 256 ft. 368 ft. 375 ft.</td>
</tr>
<tr>
<td>Static</td>
<td>95 ft. Drawdown 220 ft 12 gal. per. minuto</td>
</tr>
</tbody>
</table>
Filed: Dec. 30, 1963
at 2:16 P.M.

Rosalind McSorley
Clark & McSorley
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1957

Owner: Lazy J D Cattle Co
Address: Fortman, Montana

Contractor (if any)
Address of Contractor

Date Started: 1957, Date Completed: 1963

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use: 20 gpm, continuous

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

Signature of Owner: Lazy J D Cattle Co
Date: December 26th, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the 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 1957
Owner: L. E. J. D. Co. - Address: Zortman, Montana
Contractor (if any) ..........................................................
Address of Contractor ...................................................
Date Started 1957 Date Completed 1963
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable, natural spring, 1000 earth ft. removed

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermit-
tent estimate approximate lengths of periods of use

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

Signature of Owner: [Signature]
Date: December 26th, 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.

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