<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>19</td>
<td>NOR. PAC. RY. CO.</td>
<td>Gw 2</td>
<td>100009</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>SKAAR, SIGVALD</td>
<td>Gw 2</td>
<td>169615</td>
<td></td>
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<tr>
<td>20</td>
<td>SKAAR, SIGVALD</td>
<td>Gw 2</td>
<td>102280</td>
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<td>20</td>
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<td></td>
<td>107473</td>
<td></td>
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<tr>
<td>21</td>
<td>SKAAR, SIGVALD</td>
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<td>107475</td>
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<td></td>
<td>107477</td>
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<td>22</td>
<td>SKAAR, SIGVALD</td>
<td></td>
<td>105379</td>
<td></td>
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<tr>
<td>27</td>
<td>SKAAR, SIGVALD</td>
<td>Gw 2</td>
<td>106907</td>
<td></td>
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<td>29</td>
<td>SKAAR, SIGVALD</td>
<td></td>
<td>107472</td>
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</tr>
<tr>
<td>29</td>
<td>SKAAR, SIGVALD</td>
<td></td>
<td>105380</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>SKAAR, SIGVALD</td>
<td></td>
<td>107476</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>SKAAR, SIGVALD</td>
<td></td>
<td>107474</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>THAMS, LEON</td>
<td>Gw 3</td>
<td>104767</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>THAMS, LEON</td>
<td></td>
<td>107460</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>BRUNGARD, CONRAD</td>
<td>Gw 4</td>
<td>107437</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>BRUNGARD, CONRAD</td>
<td></td>
<td>106555</td>
<td></td>
</tr>
</tbody>
</table>
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 60, Montana Session Laws, 1961)

Owner:  Mrs.  P.  M.  Jones  Address:  St.  Paul,  Miss.

Driller:  Francis  Royce  Address:  Sidney, Mont.

Date of Notice of appropriation of groundwater:  Aug.  X, 1966

Date well started:  July  20, 1966  Date completed:  Aug.  X, 1966

Type of well:  DUG

Equipment used:  DUG

(Crane, drill, rotary, or other)

Water user:  Domestic:  Yes;  Municipal:  No;  Stock:  Yes;  Irrigation:  No;  Industrial:  No;  Drainage:  No;  Other:  No

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

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Shale and Weight of casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>18 in.</td>
<td>4&quot; I.D.</td>
<td>0</td>
<td>16&quot;</td>
<td>Torch, Inject Water, 4&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>128</td>
<td>145</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well:  116 feet.

Shut-in Pressure for Flowing Well:

Pumping Water Level:  120 feet at 18 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested:  DUG

Length of Test:  2 hours

Remarks:  (Gravel packing, cementing, packers, type of shutoff)  10 yrs. peac - gravel installed outside of 4" casing.

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

Show exact depth of bottom.

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

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

Driller's License Number:  41/1 416

Driller's Signature:  [Signature]

Remarks:  (Continue on reverse side)

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).

File No.

County:  Miss.

Page No.

File No.

Approved Stock Form—State Publishing Co., Helena, Montana.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Sullivan  Address: Sidney, Mont.
Date of Notice of Appropriation of Groundwater: July 29, 1964
Date well started: July 29, 1964  Completed: July 29, 1964
Type of well: Dug  Equipment Used: Rotary
(Churn, drill, rotary or drilled)
Water Use: Domestic  Municipal  Other  Irrigation
Industrial  Drainage  Stock

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

<table>
<thead>
<tr>
<th>Size of Dug Rods</th>
<th>Size and Weight of Cutting</th>
<th>To (Feet)</th>
<th>PERFORMANCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 inch</td>
<td>4 1/2 D.</td>
<td>197</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 116 feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 120 feet
Discharge in gal. per min. of flowing well
How Tested: Beiler  Length of Test: 3 hours
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.

This well is drilled 12" in diameter, with 1 1/4" steel screen installed outside of 4' of casing.

Driller's License Number: 792
Driller's Signature: [Signature]
Driller's law: [Law number]
Date: [Date]

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.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 353, Montana Session Laws, 1969)

**Owner:**
- Name:
- Address:

**Driller:**
- Name:
- Address:

**Date of Notice of Appropriation of Groundwater:**
- Date:

**Date well started:**
- Date:

**Type of well:**
- Method of completing well:
- Equipment Used:

**Water Use:**
- Domestic
- Municipal
- Irrigation
- Industrial
- Drainage
- Stock

**Static Water Level for non-flowing Well:**
- Depth:

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

**Flowing Water Level:**
- Depth:

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

**How Tested:**

**Length of Test:**

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

*This well is drilled 12" in diameter with 15 yrs. per gross installed outside of 4' casing.*

**Driller's License Number:**

**Driller's Signature:**

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

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

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

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

1. Signer's Name: [Name of Appropriator]
   of: [Address]
   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 continu-ous the use has been. [Date]

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. [Date]

8. The depth of water table. [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. [Specifications]

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

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: [Signature]
Date: [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.

25274
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Sigwald Schaefer, of 3530 Route 9, Libby, Mont.
   County of: Libby, 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 well

   3. Date or approximate date of earliest beneficial use; and how continuously the use has been 1914 Continuously

   4. The amount of groundwater claimed (in miner's inches or gallons per minute). 3,000 GPM

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and names 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 January 1914

   8. The depth of water table 160 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 300 ft, 6" casing

   10. The estimated amount of groundwater withdrawn each year 575,000

   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 Sigwald Schaefer
   Date Dec 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, 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)

Name of Appropriator: [Name of Appropriator]
Address: [Address]
County of: [County of Appropriator]
State of: [State of Appropriator]

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

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

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

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

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

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

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

7. The depth of water table:

8. The type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater:

9. The estimated amount of groundwater withdrawn each year:

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

11. Such other information 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.
**WATER WELL LOG**

**Owner:** Sigvald Haar  
**Address:** Sidney, Montana

**Driller:** Francis Boyce  
**Address:** Trotters, N. D.

**Date Started:** June 22, 1961  
**Date Completed:** June 28, 1961

**Location:** Sec. 22 T. 19 R. 60 M sec. 

<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>(Drill, driven, bored, or drilled)</td>
<td>Churn drill, rotary, other</td>
</tr>
</tbody>
</table>

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

**Casing:**
- 0 ft. to 179 ft. Type: Wall casing  
  - Size: 6 in.  
  - lb per ft.
- ft. to ft. Type: Size
- ft. to ft. Type: Size

**Perforated or Screened:**
- Ft. 116 ft. to ft. 179 ft. Ft. to ft.

**Type of screen or perforations:** Slots 1/2 by 6"

**Static Water level, for non-flowing well:** 116 ft.

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

**Pumping water level:** 175 ft. feet at 7 gal. gal. per min.

**How tested:** Balier

**Length of test:** 2 hours

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>22</td>
<td></td>
<td>top soil and yellow clay</td>
</tr>
<tr>
<td>22</td>
<td>29</td>
<td></td>
<td>gray clay</td>
</tr>
<tr>
<td>29</td>
<td>34</td>
<td></td>
<td>soft rock</td>
</tr>
<tr>
<td>34</td>
<td>55</td>
<td></td>
<td>gray shale</td>
</tr>
<tr>
<td>55</td>
<td>62</td>
<td></td>
<td>coal</td>
</tr>
<tr>
<td>62</td>
<td>110</td>
<td></td>
<td>gray shale</td>
</tr>
<tr>
<td>110</td>
<td>125</td>
<td></td>
<td>&quot; &quot;</td>
</tr>
<tr>
<td>125</td>
<td>165</td>
<td></td>
<td>crumbly shale</td>
</tr>
<tr>
<td>165</td>
<td>168</td>
<td></td>
<td>coal</td>
</tr>
<tr>
<td>168</td>
<td>179</td>
<td></td>
<td>shale and layers of sand - water strata</td>
</tr>
<tr>
<td>179</td>
<td>190</td>
<td></td>
<td>blue shale</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Date well started: Nov. 1962
Date completed: Mar. 1963

Owner: A. Spratt
Address: Living Mont.
Driller: Francis Boyer
Address: Living Mont.

State of Notice of Appropriation of Groundwater: Montana

Date well started: Nov. 1962
Date completed: Mar. 1963

Type of Well: Drilled
Equipment Used: (Churn, drill, rotary or other)

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

Strata met with:
- 0-10 ft. gravel
- 10-32 yellow clay
- 32-36 clay and fine gravel
- 35-62 fine clay
- 62-64 coal
- 64-70 coal and fine gravel
- 70-73 coal
- 73-85 yellow clay
- 85-100 fine gravel
- 100-115 fine gravel
- 115-130 gray shale

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>Depth (Feet)</th>
<th>Size of Strata</th>
<th>Weight of Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 to 10</td>
<td>1-1/2 in.</td>
<td>0</td>
</tr>
<tr>
<td>10-15</td>
<td>2 in.</td>
<td>101</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 45 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 65 feet at 12 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: Ladder
Length of Test: 2 hours
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)

46 ft. down

Driller’s License Number
Francis Boyer
Driller’s Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Signall Glaser, of Glaser Route Sidney Month
   (Name of Appropriator) (Address) (Town)

   County of Flathead 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 well

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1914

   4. The amount of groundwater claimed (in 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: August 1917

   8. The depth of water table: 160 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: 730,000

   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:

   Signature of Owner: Signall Glaser
   Date: Dec 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, and Quadruplicate for the Appropriator.
# Montana Bureau of Mines and Geology

## Water Well Log

**Owner:** Sigvald Thorsen  
**Address:** Sidney, Montana

**Driller:** Francis Bayne  
**Address:** Truett, W.D.

**Date Started:** June 11, 1961  
**Date Completed:** June 12, 1961

**Location:** S.: 28  
T.: 19  
R.: 60  
W.s.W.

**Type of Well:** Drilled  
**Equipment Used:** Rotary

<table>
<thead>
<tr>
<th>Water Use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industry</td>
<td>Drainage</td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Casing:** 0 ft. to 44 ft.  
**Type of Casing:** 4 in., 11 lb. per foot

**Perforated or Screened:** From 0 to ft.  
**Type of Screen or Perforations:** None

**Static Water Level, for non-flowing well:** 23 ft.

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

**Pumping Water Level:** 26 feet at 12 gal. per min.

**How Tested:** Jetter

**Length of Test:** 1 hour

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

Well drilled 50 ft. deep gravel packed back to 40 ft. down

---

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>12</td>
<td></td>
<td>topsoil and fill</td>
</tr>
<tr>
<td>12</td>
<td>26</td>
<td></td>
<td>gray clay, real soft</td>
</tr>
<tr>
<td>26</td>
<td>30</td>
<td></td>
<td>scoria, snail shells and fine fluid sand</td>
</tr>
<tr>
<td>30</td>
<td>37</td>
<td></td>
<td>fine fluid sand</td>
</tr>
<tr>
<td>37</td>
<td>39</td>
<td></td>
<td>fine gravel</td>
</tr>
<tr>
<td>39</td>
<td>41</td>
<td></td>
<td>firm clay</td>
</tr>
<tr>
<td>41 52</td>
<td>52</td>
<td></td>
<td>firm water sand</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. Sigurd D. Shea, 1451 South Breda, Sidney, Mont.
   (Name of Appropriator)  (Address)  (Town)

   County of:  State of:

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1954, continuously.

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

   [Diagram indicating point of appropriation and place of use, if possible. Each small square represents 10 acres.]

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

   [Diagram indicating the depth of water table: 35 ft.]

   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:

   [Diagram indicating the type, size, and depth of each well.]

   10. The estimated amount of groundwater withdrawn each year:

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

   [Diagram indicating the log of formations encountered.]

   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:

   [Diagram indicating the log of formations encountered.]

   Signature of Owner: Sigurd D. Shea
   Date: Dec. 13, 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.
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

### STATE OF MONTANA

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**DECLARATION OF VESTED GROUNDWATER RIGHTS**

*(Signed)*

(State of Montana)

<table>
<thead>
<tr>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Montana</td>
<td>Montana</td>
</tr>
</tbody>
</table>

1. **Appropriator:**
   - **Name:** [Appropriator Name]
   - **Address:** [Address]
   - **Town:** [Town]

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

3. **Date or approximate date of earliest beneficial use:** [Date]
   - **How continuous the use has been:** [Continuous/Seasonal]

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

5. **If used for irrigation:**
   - **Acreage and description of lands to which water has been applied and name of owner thereof:**
     - [Description]

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

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

8. **Depth of water table:**
   - [Depth]

9. **Depth, type, size, and depth of each well or the general specifications of any other works for withdrawal of groundwater:**
   - [Specifications]

10. **Estimated amount of groundwater withdrawn each year:**
    - [Amount]

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

12. **Other information of a similar nature as may be useful in carrying out the policy of this act:**
    - [Information]

**Signature of Owner:**

[Signature]

**Date:** [Date]

### Notes:

- **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.**

---

The form contains a grid indicating the point of appropriation and place of use, if possible. Each small square represents 10 acres. The grid is not fully filled in, indicating the specific areas of use and withdrawal.
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

- **Driller'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.

- **Developed after January 1, 1962**

- **This form to be prepared by driller and three copies to be filed by 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 Information
- **Owner:**
  - Name: Sam Thomas
  - Address: Wilson, MT

### For Administrator's Use
- **File No.:** 19762
- **Date:** Jan 15, 1972

### Well Information
- **Date well started:** 1962
- **Date well completed:** 1972
- **Type of well:** Drilled
- **Equipment used:** (Drill, driven, bored or drilled)

### 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 Drilled Hole</th>
<th>Size and Depth of Covering</th>
<th>Perforations</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>4&quot; x 10 ft.</td>
<td>0 110</td>
<td>1/2 80 110</td>
</tr>
</tbody>
</table>

### Groundwater Level
- **Static water level:** 30 ft.
- **Pumping water level:** 40 ft.
- **Power:**
  - Pump: 1 HP
  - Remarks: (Gravel packing, cementing, packers, type of shutoff)

### Indicate Location of Well and Place of Use, If Possible.
- **Easting:**
- **Northing:**
- **Section:**
- **Twp:**
- **Rng:**
- **Sec:**

### Driller's Signature
- **Sam Thomas**

### Driller's Address
- **Wilson, MT**

---

**LICENSE NO.:** 91

**Show exact depth of bottom:**

---

51, 815
DECLARATION OF VESTED GROUNDWATER RIGHTS

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

(Required to be filed with the County Clerk and Recorder of the county in which the well is located by the owner thereof.)

1. (Name of Appropriator) (Address)

2. (Town)

3. (County of Appropriator) (State of Montana)

4. (Date or approximate date of earliest beneficial use, and how continued)

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

6. (If used for irrigation, indicate acreage and description of lands to which water has been applied and name of owner thereof)

7. (Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres)

8. (Depth of water table)

9. (So far as 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; Tripletate 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, 1951)

Conrad Brunke, Stear Route, Sidney

County of

2. The beneficial use upon 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 ground water claimed for mining (in feet 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 point of point of entry of water into the ground:

7. The date of commencement and completion of the work of drilling the well(s) or other works for withdrawal of ground water:

8. The depth of water table:

9. So far as it may be available, the type and location of well(s) or the general specifications of any other works for withdrawal of ground water:

10. The estimated amount of ground water 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 records:

Signature of Owner

Date

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

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

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

The owner of the well is

Conrad Brungard

The address of the well is

3000 E. Main St.

The town is

Sidney

The county is

Wibaux

The state is

Montana

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

1 gallon per minute

The date of commencement and completion of the construction of the well is

During the year 1918

The depth of water table is

About 90 to 100 ft.

No log kept.

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

None

The estimated amount of groundwater withdrawn each year is

475,000 gal.

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

Conrad Brungard

Date

Aug. 6, 1963
<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>15</td>
<td>K &amp; W Ranch</td>
<td>GW2</td>
<td>731099</td>
<td></td>
</tr>
</tbody>
</table>
**DRILLER'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 wells.

**Notice of Completion of Groundwater Appropriation by Means of Well**

**State of Montana**
**Montana Water Resources Board**

OCT 27, 1971

**County:**

**Owner:**

**Driller's Address:**

**Date well started:**

**Date well completed:**

**Type of well:**

**Equipment used:**

**Water Use:** Domestic ☐  Muiscal ☐  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:**

**Perforations:**

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Point of Hole</th>
<th>Depth Measured From</th>
<th>Rays</th>
<th>1/4&quot;</th>
<th>3/4&quot;</th>
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</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>4&quot;</td>
<td>0' 34&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 1/4&quot;</td>
<td>0' 34&quot;</td>
<td>665</td>
<td>705</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static water level</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pumping water level</td>
<td>ft.</td>
</tr>
</tbody>
</table>
| at | gallons per minute measured after pumping. 
| Began | 
| Shank to Shank | 20" |
| Perforation | 20" |
| Depth | 20" |
| Well developed by | for | hours. |

**Power:**

**Remarks:**

*Gravel packing, cementing packets, type of shoots*

**Indicate Location of Well and Place of Use, If Possible. Each Small Square Represents 40 Acres.

**Driller's Signature:**

**Driller's Address:**

**License No:**
<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>1</td>
<td>Smith Creek Grazing Assoc.</td>
<td>G.W. 4</td>
<td>743.04</td>
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<tr>
<td>5</td>
<td>Redman, Karney J</td>
<td>H</td>
<td>1,716.59</td>
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<tr>
<td>7</td>
<td>K &amp; N Ranch</td>
<td>G.W. 2</td>
<td>73700.00</td>
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<tr>
<td>8</td>
<td>Townley, Minerva</td>
<td>G.W. 2</td>
<td>7,492.01</td>
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<tr>
<td>9</td>
<td>Townley, Harry + Minerva</td>
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<td>8,768.38</td>
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<td>14</td>
<td>Boe, Nels R</td>
<td>well log</td>
<td>3,308.03</td>
<td></td>
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<td>15</td>
<td>Townley, Minerva</td>
<td>G.W. 2</td>
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<tr>
<td>17</td>
<td>K &amp; N Ranch</td>
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<td>20</td>
<td>Hutchinson, C. Mrs.</td>
<td>leg</td>
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<tr>
<td>21</td>
<td>Townley, Harry</td>
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<td>25</td>
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<td>5,353-04</td>
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<tr>
<td>26</td>
<td>Dikoff, Goffried</td>
<td>H</td>
<td>5,353-09</td>
<td></td>
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<tr>
<td>27</td>
<td>Townley, Harry</td>
<td>well log</td>
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<td>28</td>
<td>Boe, Neil R</td>
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<td>29</td>
<td>Townley, Harry + Minerva</td>
<td>G.W. 4</td>
<td>7,492.09</td>
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<td>33</td>
<td>Hutchinson, Clara</td>
<td>well log</td>
<td>6,157-88</td>
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<tr>
<td>34</td>
<td>Hutchinson, Glenn</td>
<td>G.W. 2</td>
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<tr>
<td>36</td>
<td>Hutchinson, Hilda A</td>
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<td>6,745-20</td>
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<td>37</td>
<td>Dikoff, Goffried</td>
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<tr>
<td></td>
<td>Redman, Karney J</td>
<td></td>
<td>10,398-2</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Registration of Vested Groundwater Rights
(Provided by Chapter 237, Montana Session Laws, 1961)

Karsey J. Redman
of 2026 Route, Sidney
County of Richland
State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriator: Karsey J. Redman
2. Address: 2026 Route, Sidney
3. Town: Sidney
4. Grand Total of Groundwater: [Details to be filled in]

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

3. Date or approximate date of earliest beneficial use: [Details to be filled in]

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: pumping with windmill from well located in Section 5, T 19 N, R 58 E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: [Details to be filled in]

8. The depth of water table: not known

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: [Details to be filled in]

10. The estimated amount of groundwater withdrawn each year: 200,000 gallons

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

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

Signature of Owner: Karsey J. Redman
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, and Quadruplicate for the Appropriator.
STATE OF MONTANA,

County of Richland,

Filed this 21st day of July, A.D. 1963.

[Signature]

L. L. Lister,

County Recorder.

[Signature]
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 267, Montana Session Laws, 1961)

Owner: 
Driller: 

Date of Notice of Appropriation of Groundwater: 

Date well started: Aug 17, 1963
Completed: Aug 21, 1963

Type of well: Bored
Equipment Used: Boring

Water Use: Domestic
Industrial
Municipal
Commercial
Other
Irrigation

*62 Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, sand, gravel, rock, etc. Show depth and location of well and place of use, if possible. Each small square represents 10 acres.

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>17&quot;</td>
<td>4&quot; x 1/2&quot;</td>
<td>6</td>
<td>40</td>
</tr>
<tr>
<td>17&quot;</td>
<td>4&quot; x 1/2&quot;</td>
<td>0</td>
<td>171 1/2&quot;</td>
</tr>
<tr>
<td>42&quot;</td>
<td>6&quot; x 1/2&quot;</td>
<td>0</td>
<td>177 1/2&quot;</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 677 ft.
Shut-in Pressure for Flowing Well: 10 pounds
Pumping Water Level: 677 ft. at 20 gal. per minute.
Discharge in gal. per min. of flowing well: 20

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)

Driller's License Number: 92
Driller's Signature: 

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
State of Montana
County of Richland,
Filed this 30th day of August A. D. 1913, at 1:45 o'clock P. M.
C. L. Kooper
County Recorder
R. H. Atchison
Deputy

284269
Filed 8-20-00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>of</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Karney J. Redman</td>
<td></td>
<td>Sidney</td>
<td></td>
</tr>
</tbody>
</table>

County of Richland 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. stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. first used in 1952 and used continuously since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 3 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. not known

8. The depth of water table. not known

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. drilled well: A inch casing, depth 360 feet

10. The estimated amount of groundwater withdrawn each year. 250000 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. have no other information

Signature of Owner Karney J. Redman

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, 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, 1942
(Under Chapter 327 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.

Date well started: January 1, 1972
Date well completed: January 1, 1972
Type of well: Dug
Equipment used: Dug

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

*Describe: Well water supply

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).

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

Driller's Signature: [Signature]
Driller's Address: [Address]

LICENSE NO. [Number]

Top of Ground (Feet above sea level) -

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Surface Area (Acres)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>100</td>
</tr>
<tr>
<td>40</td>
<td>100</td>
</tr>
</tbody>
</table>

Static water level: 110 ft.
Pumping water level: 50 ft.

Pumping at 15 gallons per minute for 60 minutes after pumping began.

Remarks: Gravel packing, cementing, packer, type of pump used.

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EACH SMALL SQUARE REPRESENTS 40 ACRES.
<table>
<thead>
<tr>
<th>W</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 110 ft.

Pumping water level: 250 ft.

at 18 gallons per minute.

Measured minutes after pumping began.

Well developed by for 6 hours.

Power: 2 HP

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

- The 110 - ground packed
- 1160 ft. 1330 ft. drainage
- 60 ft. 30 ft. pressure
- Gravel opening from 7 ft.

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

Driller's Signature: [Signature]

Driller's Address: [Address]

License No.: 92

Show exact depth of bottom: 1220

50.995
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Earnay J. Redman, of 3000 Route, Sidney
   (Name of Appropriator) (Address) (Town)

   County of Richland 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: stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: first used in 1958 and used constantly since

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: this well is pumped with a windmill

   Located SW 1/4 Sec. 16 T 18, R 56 W.M. Maine Co.

7. The date of or: commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: not known

8. The depth of water table: not known

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: type, drilled well
   size: 4 inch casing
   depth: 300 feet

10. The estimated amount of groundwater withdrawn each year: 250,000 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 available

   Signature of Owner: Earnay J. Redman
   Date: Dec. 30, 1963

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 QuadriPLICATE for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Kerney J. Redman, of Skar Route, Sidney
   (Name of Appropriator) (Address) (Town)
   County of Richland, 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: Stockwater

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      first used in 1959 and used continuously since

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
      pumped with windmill or motor
      located in NW 1/4, Sec. 5, T. 18 N., R. 56, Wibs Co.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      not known

   8. The depth of water table:
      not known

   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:
      type, drilled well
      size, 4 inch casing
      depth, approximately 385 feet

   10. The estimated amount of groundwater withdrawn each year:
      200,000 gallons

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

   12. Such other informal or 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 available

   Signature of Owner: Kerney J. Redman
   Date: Dec. 30, 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 quadPLICATE 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: K. W. Ranch

Address: Bellavita Rd.

Date well started: Jan. 20-71

Date well completed: Feb. 28-71

Type of well: Drilled

Equipment used: Rotary

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

*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 Bore Hole Width (Feet)</th>
<th>Depth (Feet)</th>
<th>Water Level (Feet)</th>
<th>Static Water Level (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>0</td>
<td>42</td>
<td>70</td>
</tr>
</tbody>
</table>

Static water level __________ ft. above ground level.

Well developed by ________ for _______ hours.

Power: __________ Pump: __________

Remarks: (Gravel packing, cementing, etc.)

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: C. H. Star

Driller's Address: Lish 118-5

LICENSE NO. 169

Show exact depth of bottom.
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: Mineral County

Address: Driller's Mailing Address

For Administrator's Use: Administrator's Address

Date well started: 5-14-1971

Type of well: Drilled

Equipment used: Rotary (Chains, rotary or other)

Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □

Describe: Artisan

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

ESTIMATED ANNUAL WITHDRAWAL: 1,000,000 gallons

Shutin Pressure 1918

Static water level ______ ft.

Pumping water level ______ ft.

E. F. 8.5 gallons per minute, measured ______ minutes after pumping began.

*Measured from ground level.

Well developed by: __________ for ________ hours.

Power: Pump: ______ HP

Remarks: (Gravel packing, cementing, packers, type of screen) ______

Placed with 44 SAKES CEMENT

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

Driller's Signature: "SIGNATURE"

Driller's Address: "ADDRESS"

LICENSE NO. 92
STATE OF MONTANA
 ADMINISTRATOR OF GROUNDWATER CODE
 OFFICE OF STATE ENGINEER

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

Harry F. & Minerva Tomley of Wibaux
(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: 

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: Nov 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.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Mala R. Bea
Address: Nilesburg, Montana

Driller: Francis Boyce
Address: Trotters, N. D.

Date Started: June 10, 1959
Date Completed: June 12, 1959

Location: Sec. 14 T. 18 R. 58 1/4 sec. SE

Type of well: Drilled
Equipment used: Rotary

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

Casing: 0 ft. to 92 ft. Type: Line pipe Size: 4"-11 lb.

Perforated or Screened: Ft. to Ft. Type: Screen to Ft. Size: to Ft.

Type of screen or perforations: [ ]

Static Water level, for non-flowing well: 80' feet.

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

Pumping water level: 86 feet at 3 gal. per min.

How tested: Cylinder pump

Length of test: 10 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
Gravel packed from 107 back to 91'
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 30</td>
</tr>
<tr>
<td>From 30</td>
<td>To 45</td>
</tr>
<tr>
<td>From 45</td>
<td>To 90</td>
</tr>
<tr>
<td>From 90</td>
<td>To 107</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1952
(Under Chapter 237 Montana Session Laws, 1931, as amended)

Owner: Mrs. Minervino Family
Address: 2114 N. Main, Butte, Mont. 59701

Driller: C. H. Starr
Address: Butte, Mont.

Date of Notice of appropriation of groundwater: 9-29-61
Date well started: 9-29-61
Date completed: 10-2-61

Type of well: Drilled
Equipment used: Rotted

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

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

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Strata Met With</th>
<th>Character of Water-Bearing Strata</th>
<th>Height to Which Water Rises</th>
</tr>
</thead>
<tbody>
<tr>
<td>41</td>
<td>lime</td>
<td></td>
<td></td>
</tr>
<tr>
<td>116</td>
<td>sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>150</td>
<td>sandstone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>180</td>
<td>sandstone</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 95 feet
Shut-in Pressure for Flowing Well: 40 feet
Pumping Water Level: 110 feet
Discharge in gal. per min. of flowing well: 20 gal. per minute

How Tested: Balance
Length of Test: 3 hrs

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

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

Static Water Level

N

W

X

E

Y

Z

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

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

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

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

Driller's License Number: 168
Driller's Signature: C. H. Starr

Date: 4-4-71