<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>
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<tr>
<td>2</td>
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<td>1W4</td>
<td>886401</td>
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<tr>
<td>3</td>
<td>Gertz, Earl</td>
<td>57MH 5st Leg</td>
<td>260433</td>
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<td>2</td>
<td>Nick Lloyd</td>
<td>5W4</td>
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<td>3</td>
<td>Ullman, Dallas</td>
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<td>5</td>
<td>Jungquist, Dean C.</td>
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<td>864324</td>
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<td>Jungquist, Dean C.</td>
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<td>10</td>
<td>Kolhoff, Melis</td>
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<td>286532</td>
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<td>13</td>
<td>Goldsuck, Oscar</td>
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<tr>
<td>14</td>
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<td>Carson, James</td>
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</tr>
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</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Hugh B. Brown, Stock R. - Sidney,
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: Stock Water for Agricultural purposes.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been since 1957: [Insert date and description]

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

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

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

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

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

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner:</th>
<th>Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller:</th>
<th>Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date Started: May 21 - 59  
Date Completed: 26 MAY 59

Location: Sec. 2  T.19  R.59  \( \frac{1}{2} \) sec.

Type of well:  
Type of well:  

Water use:  
Domestic ☐  Municipal ☐  Stock ☑  Irrigation ☐  Industrial ☐  Drainage ☐  Other:  

Casing: 710 ft. to 110 ft.  Type:  
Size:  

Casing: 110 ft. to 50 ft.  Type:  
Size:  

Perforated or Screened: 209 ft. to 281 ft.  281 ft. to 50 ft.  Type of screen or perforations: Cut With Cutting Torch

Static Water level, for non-flowing well:  
Shut-in pressure, for flowing well:  
Pumping water level: 28 feet at 2.0 gal. per min.

How tested:  
Length of test: 4 hours

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
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<tr>
<td>205</td>
<td>290</td>
</tr>
<tr>
<td>290</td>
<td>305</td>
</tr>
</tbody>
</table>
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.

Owner: Lloyd Wilk
Address: Sidney, Mont.

Date well started: 6-4-1971
completed: 6-8-1971

Type of well: drilled
Equipment used: Rotary

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

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: 300,000 gallons

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

Driller's Signature: □
Driller's Address: Sidney, Mont.
STATE OF MONTANA, County of Richland,

Filed this____ day of

Court______________ A. D. 19____
at____________________ M.

Aiken 4uirker
County Recorder

Filed
$3.00 fee
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: Driller's Name
Address: Fairview, Mont.

Date well started: June 10, 1970
Date well completed: June 13, 1970

Type of well: Drilled
Equipment used: churn drill
Water Use: Domestic

Estimate Annual Withheld: 180,000 g/a

Top of Ground (ft. above sea level)

<table>
<thead>
<tr>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>38</td>
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<tr>
<td>47</td>
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<td>104</td>
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<td>116</td>
<td>125</td>
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<td>125</td>
<td>132</td>
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<tr>
<td>132</td>
<td>139</td>
</tr>
<tr>
<td>139</td>
<td>146</td>
</tr>
<tr>
<td>146</td>
<td>153</td>
</tr>
</tbody>
</table>

Equipment:

Well developed by: bailer
Power: 3/4 HP
Remarks: Gravel packing, cementing, packers, type of shutoff

Static water level: 200 ft.
Pumping water level: 230 ft.

Show exact depth of bottom

Driller's Signature
Box 1102, Sidney, Mont.

LICENSE NO. 177
STATE OF MONTANA, ss.

County of Richland,

Filed this 12th day of
January, A. D. 1970,
at 11:30 o'clock, A.M.

Nelson Harries
County Recorder

LeRoy J. Lee
Deputy

3/15/77
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Dean E. Youngquist, at 301 W. Main St., 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: Stock Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Approx. 1930
   Every Year

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 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: Not Applicable

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

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

8. The depth of water table: 100'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: No Casing, 100' Deep

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not Known

Signature of Owner: Dean E. Youngquist
Date: 12/28/1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. The following form will be returned:

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 2d day of

Dec., 1963

at 2:23 P.M.

E. L. Lamer,

County Register

J. Anderson

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

**DEVELOPED AFTER JANUARY 1, 1963**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Ray Light  
**Address:** Sidney, Montana

**Driller:** Adnae Beschler  
**Address:** Sidney, Montana

Date of Notice of Appropriation of Groundwater: ______________  
Date well started: ______________  
Date completed: ______________

**Type of well:**  
**Equipment used:**

Type of well: [ ] Dug [ ] Driven [ ] Bored [ ] Drilled  
Type of equipment: [ ] Churn drill [ ] Rotary [ ] Other [ ]

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind of Casing</th>
</tr>
</thead>
<tbody>
<tr>
<td>297</td>
<td>4-5/8 gray slate</td>
<td>0</td>
<td>33</td>
<td>0</td>
</tr>
<tr>
<td>323</td>
<td>4-7/8 steel</td>
<td>33</td>
<td>110</td>
<td>33</td>
</tr>
<tr>
<td>322</td>
<td>6-5/8 steel</td>
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<tr>
<td>316</td>
<td>6-7/8 steel</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>297</td>
<td>4-5/8 gray slate</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**How Tested:**  
**Length of Test:**  
**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.

**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).**

**Show exact depth of bottom.**

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

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

---

**Triller's License Number:** ______________  
**Driller's Signature:** ______________
STATE OF MONTANA,

County of Richland,

Filed this 10 day of ______ A.D. 1968.

H. S. Shanks

Helen Shanks

County Recorder

J. Peladishek

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

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

1. **DEAN E. YOUNGQUIST**, of **SKAAR RD**, **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:
   **STOCK WATER**

3. Date or approximate date of starting beneficial use; and how continuous the use has been:
   **1942**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **8 GALL. PER. MIN.**

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   **1948**

8. The depth of water table:
   **150'**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   **5' CASING, 185' Drilled**

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

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:
    **NOT KNOWN**

Signature of Owner: **Dean E. Youngquist**
Date: **12/28/1968**

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.

39534
**MONTANA BUREAU OF MINES AND GEOLOGY**
Butte, Montana

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Address</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location</td>
<td></td>
</tr>
</tbody>
</table>

**Type of well:**
- [ ] Bored
- [ ] Dug
- [ ] Rotary
- [ ] Other

**Equipment used:**
- [ ] Cylindrical
- [ ] Other

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

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

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

**Type of screen or perforations:**
- [ ] Gravel packing
- [ ] Cementing
- [ ] Packers
- [ ] Type of shut-off
- [ ] Depth of shut-off

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

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

**Pumping water level:**
- [ ] ft.
- [ ] gal. per min.

**How tested:**
- [ ] Other

**Length of test:**

**Remarks:**
- [ ] Gravel packing, cementing, packers, type of shut-off, depth of shut-off
- [ ] Other
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>0 - 1</td>
<td>Surface soil</td>
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<tr>
<td>1 - 18</td>
<td>Brown sandy clay</td>
</tr>
<tr>
<td>18 - 24</td>
<td>Coal - (write-in)</td>
</tr>
<tr>
<td>24 - 26</td>
<td>Blue clay</td>
</tr>
</tbody>
</table>

Signed:

26 Oct 13

STATE of FL
County of [censored]

[Signature]
# WATER WELL LOG

**Owner:** Frank Balduck
**Address:** Sidney, Montana

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

**Date Started:** July 7, 1961
**Date Completed:** July 10, 1961

**Location:** Sec. 12 T. 19 R. 59 N., Highland County

<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>
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</tbody>
</table>

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

<table>
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<tr>
<th>Casing:</th>
<th>From</th>
<th>To</th>
<th>Type of Pipe</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>197</td>
<td>Line Pipe</td>
<td>12</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>From</th>
<th>To</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>From</th>
<th>To</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>171</td>
<td>197</td>
<td></td>
</tr>
</tbody>
</table>

**Type of screen or perforations:** Torch slots 1\(\frac{1}{2}\) inch x 6 inch

**Static Water level, for non-flowing well:** 171 feet down

**Shut-in pressure, for flowing well:** (date)

**Pumping water level:** 180 feet at 5 gal. per min.

**How tested:** Pump

**Length of test:** 5 hours

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>10</td>
</tr>
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<td>10</td>
<td>26</td>
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<tr>
<td>75</td>
<td>176</td>
</tr>
<tr>
<td>176</td>
<td>197</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)

Frank Ruiducks
Name of Appropriator

Skarfe Avenue
Address

Gulchland
County

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:
   watering livestock

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   about 500 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:
   about 50 acres

6. The means of withdrawing such water from the ground and the location of such well or other means of withdrawal:
   with drawn by pumping

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

8. The depth of water table:
   about 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:
   6-in. steel pipe dugger
   6-in. iron casing
   about 20 ft deep

10. The estimated amount of groundwater withdrawn each year:
    about 100,000 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: Frank Ruiducks
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; Dupliicate 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 on December 1, 1963,

at 10:00 A.M.

L. R. Duncan
Chief Deputy Recorder

Deputy

286212
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner:

Address:

Date well started:

Type of well:

Equipment used:

Water Use:

*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).

**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.

---

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Field</th>
<th>Size and Depth of Cutting</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.10</td>
<td>0.62</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 22.5 ft.*
Pumping water level: 16 ft.*
Power: Pump

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

LICENSE NO.

Driller’s Signature.

Driller’s Address.

Note: Show exact depth of bottom.

53/44
**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 is to be prepared by driller, and three copies are 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:** Rollin B. Breaux

**Address:** Shan, Bentley

**County:** Mullan, Montana

**Date well started:** 4-13-1922

**Date well completed:** 4-17-1922

**Type of well:** Drilled

**Equipment used:**

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

*Describe if used for irrigation, industrial, drainage or other. Explain number of acres and location or other data (i.e. lot, block and addition).

**ESTIMATED ANNUAL WITHDRAWAL: 500,000 gal.

**Top of Ground**

<table>
<thead>
<tr>
<th>Drift</th>
<th>Drift</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
<td>225 ft.</td>
</tr>
</tbody>
</table>

**Static water level:** 225 ft.

**Pumping water level:** 225 ft.

**at:** gallons per minute, measured minutes after pumping began.

*Measured from ground level.

**Well developed by:**

**Power:**

**Remarks:**

**License No:** 210

Show exact depth of bottom
STATE OF MONTANA,
County of Richland,

Filed this 14th day of May, A.D. 1973
at 10:49 o'clock, A.M.

[Signature]
County Recorder

Filed
Fee: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Frank Balduske

Skar Rd.

Sidney

Gallatin

Montana

County of

State of

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

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

   For house and stock use

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

   Since 19 19 59

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

   About 5 or 6 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:

   Pumping

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

   Commenced 19 19 59

   Completed 19 19 59

8. The depth of water table:

   13 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:

   Nicholas site - 14 inches - 50 feet deep - cemented casing

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:

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

By: Frank Balduske

Dec. 28, 1969

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: __________ day of ________ 1965
December 11th 1965

E. L. Kesler
County Recorder

Filed

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

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

Date of Appropriation of Groundwater: 1945
Owner: Karney J. Redman
Address: Sidney, Montana
Contractor (if any): Unknown
Address of Contractor: Unknown
Date Started: Unknown
Date Completed: Unknown

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes", include depth to water when applicable. Water comes to surface under natural pressure and flows down to fill a 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. Rate of flow measured as it fills the tank. For stock water, used all year, as stock water supply = 3 gallons per minute.

Signature of Owner: Karney J. Redman
Date: Dec 31, 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: 1945

Owner: Barney J. Redman
Address: Sidney, Montana

Contractor (if any): Unknown
Address of Contractor: Unknown

Date Started: Unknown  Date Completed: Unknown

Describe means of obtaining groundwater without a well, as by sub-irrigation and other natural processes. Include depth to water when applicable. Water comes to surface under natural pressure and flows down to fill a tank.

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

Flow measured as it leaves the tank for stock water, etc. All year.

Signature of Owner: Barney J. Redman
Date: Dec. 24, 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,
County of Richland,

Filed this 26th day of December, 1961,
at 3:33 o'clock p.m.

[Signature]
County Recorder

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

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

<table>
<thead>
<tr>
<th>Bay Smart</th>
<th>Of</th>
<th>Stock Rte</th>
<th>Stockton</th>
<th>City</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name of Appropriator)</td>
<td>(Address)</td>
<td>(Town)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

County of Highland | State of Montana  

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:  
   Stock Water  

2. Date or approximate date of earliest beneficial use; and how continuous the use has been, was started about 1897, used continuously since 1897.  

3. The amount of groundwater claim (in miner's inches or gallons per minute): 5 gal/min  

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: Not used for irrigation  

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

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

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

8. The depth of water table: 30 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: 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: none  

Signature of Owner:  

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; Triplet to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
WATER WELL LOG

Owner: James Carson  Address: Sidney, Montana
Driller: Francis Boyce  Address: Trotters, N. Dak.

Date Started: Aug. 28, 1961  Date Completed: Sept. 27, 1961
Location: Sec. 4  T. 19  R. 59  W. 6th Mer.

Type of well: Drilled  Equipment used: Rotary

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other

Casing: 0 ft. to 289 ft.  Type: Well casing  Size: 3-inch 17 lbs. per ft.

Casing: 289 ft. to ft.  Type:  Size:

Casing: ft. to ft.  Type:  Size:

Perforated or Screened: None  to ft.  Ft. to ft.

Type of screen or perforations: None

Static Water level, for non-flowing well: 55 feet.

Shut-in pressure, for flowing well: 12 lb./sq. in. on: (date)

Pumping water level: 118 feet at 8 gal. per min.

How tested: Bailier

Length of test: 4 hours

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

Drill packed back to 282 ft.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Yellow clay &amp; top soil</td>
</tr>
<tr>
<td>17</td>
<td>Serric, gravel and fine sand</td>
</tr>
<tr>
<td>35</td>
<td>Gray shale</td>
</tr>
<tr>
<td>41</td>
<td>Rock</td>
</tr>
<tr>
<td>77</td>
<td>Gray shale</td>
</tr>
<tr>
<td>128</td>
<td>Coal</td>
</tr>
<tr>
<td>128</td>
<td>Gray shale</td>
</tr>
<tr>
<td>144</td>
<td>Coal</td>
</tr>
<tr>
<td>147</td>
<td>Gray and layers black crumbly shale</td>
</tr>
<tr>
<td>205</td>
<td>Fine floaty water sand, no good</td>
</tr>
<tr>
<td>234</td>
<td>Coal</td>
</tr>
<tr>
<td>236</td>
<td>Gray shale</td>
</tr>
<tr>
<td>270</td>
<td>Fine floaty sand</td>
</tr>
<tr>
<td>308</td>
<td>Coarser sand aquifer</td>
</tr>
<tr>
<td>360</td>
<td>Layers crumbly shale &amp; water sand</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>---------------------------</td>
</tr>
<tr>
<td>1</td>
<td>Buigel Gas</td>
</tr>
<tr>
<td>17</td>
<td>Shaar Weipold</td>
</tr>
<tr>
<td>34</td>
<td>Buigel Gas</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Joe Barzel</td>
<td>Sidney, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Francis Boys</td>
<td>Yotkton, S. Dak.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nov. 3, 1961</td>
<td>Nov. 5, 1961</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>60</td>
<td></td>
<td>1/4</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 110 ft.</td>
<td>Line pipe</td>
<td>h in. 11 lbs per ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
</tr>
</thead>
<tbody>
<tr>
<td>lb./sq. in. on:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bailey</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/2 hr.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>(over)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
<tbody>
<tr>
<td>出具水井自137 ft.</td>
</tr>
<tr>
<td>(over)</td>
</tr>
</tbody>
</table>
# Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>40</td>
</tr>
<tr>
<td>40</td>
<td>48</td>
</tr>
<tr>
<td>48</td>
<td>52</td>
</tr>
<tr>
<td>52</td>
<td>70</td>
</tr>
<tr>
<td>70</td>
<td>72</td>
</tr>
<tr>
<td>72</td>
<td>107</td>
</tr>
<tr>
<td>107</td>
<td>135</td>
</tr>
<tr>
<td>135</td>
<td>151</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

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

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

**Date Started:** June 4, 1961  
**Date Completed:** June 6, 1961

**Location:** Sec. 17 T. 19 R. 60 E  
**Sec.:** 17  
**T.:** 19  
**R.:** 60  
**Sec.:** ¾

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

**Water use:** Stock  
**Casing:** 0 ft to 71 ft  
**Type of well casing:** Size 4 inch 11 lbs. p.f.

**Casing:** ft to ft  
**Type:**  
**Size:**

**Casing:** ft to ft  
**Type:**  
**Size:**

**Perforated or Screened:** 53 ft to 71 ft  
**Type of screen or perforations:** 1/4 x 6 inch slots

**Static Water level, for non-flowing well:** 50 ft. down

**Shut-in pressure, for flowing well:** 20 lb./sq. in. on: (date)

**Pumping water level:** 55 ft  
**feet at:** 6  
**gall. per min:**

**How tested:** bailer

**Length of test:** 2½ hours

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topsoil &amp; yellow clay</td>
</tr>
<tr>
<td>10</td>
<td>Yellow clay</td>
</tr>
<tr>
<td>30</td>
<td>Fine scoria &amp; clay</td>
</tr>
<tr>
<td>33</td>
<td>Gray shale</td>
</tr>
<tr>
<td>52</td>
<td>Coal</td>
</tr>
<tr>
<td>55</td>
<td>Gray water sand</td>
</tr>
<tr>
<td>72</td>
<td></td>
</tr>
</tbody>
</table>
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: Joe Berwal
Address: Sidney, Mont.
Date well started: 6-9-1971
Date well completed: 6-11-1971
Type of well: Drilled
Equipment used: Churn drill

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: 160,000

<table>
<thead>
<tr>
<th>Size of Drilling Hole</th>
<th>Size of Water of Cutting</th>
<th>Feet</th>
<th>To (Feet)</th>
<th>PERTURBATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td></td>
<td>0</td>
<td>185</td>
<td></td>
</tr>
<tr>
<td>2½&quot; T.D.</td>
<td></td>
<td>0</td>
<td>165</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 310 ft.
Pumping water level: 320 ft.

*Measured from ground level.
Well developed by bailer
Power: 3 HP
Remarks: (Gravel packing, cementing, packer, type of shutoff)

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

Driller's Signature: Francis Boyle
Driller's Address: Sidney, Mont.

LICENSE NO. 92

Show exact depth of bottom