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.

---

**Cool Well**

Owner: Bureau of Land Management For Administrator's Use

Address: Helena City, Montana

File: 94305

Date well started: 10/11/72

Date well completed: 10/14/72

Type of well: Drilled

Equipment used: Air Rotary

Water Use: Municipal [ ] Stock [ ] Irrigation [ ]

Other [ ] Garden/Lawn [ ]

---

**Water Use:**

Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]

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**

<table>
<thead>
<tr>
<th>Size of Pipe</th>
<th>Rise and Weight of Casing</th>
<th>Feet (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>8&quot; 3/4</td>
<td>+1</td>
<td>216</td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Kind Size</th>
<th>Depth (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 1/8 XX 6&quot;</td>
<td>90</td>
<td>100</td>
</tr>
<tr>
<td>1 1/4 XX 6&quot;</td>
<td>165</td>
<td>205</td>
</tr>
</tbody>
</table>

---

**Static water level:** 100 ft.

**Pumping water level:** 120 ft.

**Power:** Air Rotary Pump: HP

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

---

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

---

**Driller's Signature:**

---

**Show exact depth of bottom**

---

**License No.:** 154

---

**Count:** 94305

---

**Date:** Dec 14 1972
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Bureau of Land Management, Miles City, Montana

Driller: Joe Johnson Drilling, Address: Terry, Montana

Date of Notice of appropriation of groundwater..........................

Date well started.......................... 5/23/67 Date completed.............. 5/31/67

Type of well: Dug, driven, bored or drilled (Churn drill, rotary or other)

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show 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>Risetime of Defined Hole</th>
<th>Rise and Weight of Casing From (Feet) To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8°</td>
<td>6° L.B. +1</td>
<td>137 Slots</td>
</tr>
<tr>
<td>19.18 lb/ft</td>
<td></td>
<td>63 x 44</td>
</tr>
<tr>
<td>104</td>
<td></td>
<td>123 x 137</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well.............................. 61 feet

Shut-in Pressure for Flowing Well................................. N/A

Pumping Water Level........................................ 89 feet

at 12 gal. per minute.

Discharge in gal. per min. of flowing well......................... N/A

How Tested: Nailing

Length of Test: 5 hours

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

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

W: 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).

N/A

Show exact depth of bottom.

Walt Reakoff Well (32-3-1832)

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.

Driller's License Number

Joe Johnson

Driller's Signature

12.099
# 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.

---

**Poket Bell**

Owner: **Board of Land Commission**

Address: **Billings City, Montana**

File: **No. 94306**

Date well started: **10/11/72**

GW 1

Date well completed: **10/16/72**

Type of well: **Drilled**

Equipment used: **Air Rotary**

Water Use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

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

---

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Width of Opening (in feet)</th>
<th>Width of Perforations (in feet)</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>18.97</td>
<td>1</td>
<td>1/8 x 6'</td>
<td>248</td>
</tr>
</tbody>
</table>

**Static water level:** 140 ft.

**Pumping water level:** 150 ft.

*Measured from ground level.

Well developed by: **Air** for: **6** hours.

Power: **Pump**, **HP**

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

Gravel packed

---

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

Driller's Signature: **John Johnson Drilling, Terry, Montana**

Driller's Address: **John Johnson Drilling, Terry, Montana**

---

**LICENSE NO. 152**

---

**Top of Ground (Elev. above sea level)**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
</tr>
</tbody>
</table>

**DEC 14 1972**

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

**DEVELOPED AFTER JANUARY 1, 1903**

(Under Chapter 237, Montana Session Laws, 1961)

**Log**

**Rapid**

**County**

Notice of Completion of Groundwater Appropriation by Means of Well

(Top of Ground)

<table>
<thead>
<tr>
<th>(Elav. above sea level)</th>
<th>0-25 Sandy shale, Yellow</th>
<th>25-45 Sandy shale, Brown</th>
<th>45-55 Eocene shale, Gray</th>
<th>55-75 Sandy shale, Gray</th>
<th>75-99 Sand, Brown</th>
</tr>
</thead>
</table>

Static Water Level for non-flowing well

Shut-In Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

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

Package

(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).

Driller: Joe Johnson

Address: Terry, Montana

Date well started: 5/22/67

Date completed: 5/24/67

Type of well: Drilled

Equipment used: Cable tool

(Dug, driven, bored or drilled)

(Churn drill, rotary or other)

Water use:

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other

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

Show exact depth of bottom.

**Form Wall (X2-R-1854)**

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, same copy to be retained by driller.

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

Driller's License Number

Driller's Signature
## Notice of Completion of Groundwater Appropriation by Means of Well

**Developed after January 1, 1962**

(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: **Blackjack Well**

### Owner Bureau of Land Management
For Administrator's Use

<table>
<thead>
<tr>
<th>Address</th>
<th>Miles City, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>File</td>
<td>934416</td>
</tr>
<tr>
<td>Date well started</td>
<td>6/7/71</td>
</tr>
<tr>
<td>Date well completed</td>
<td>4/7/72</td>
</tr>
</tbody>
</table>

### Type of well
Drilled

### Equipment used
Air Rotary

### Water Use
- Domestic [ ]
- Municipal [ ]
- Stock [ ]
- Irrigation [ ]
- Industrial [ ]
- Drainage [ ]
- Other [ ] Garden/Lawn [ ]

*Describe...

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

### Estimated Annual Withdrawal

<table>
<thead>
<tr>
<th>Rate of Draft</th>
<th>Depth of Draft</th>
<th>Feet (m)</th>
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</thead>
<tbody>
<tr>
<td>5 5/8&quot;</td>
<td>116</td>
<td>285</td>
</tr>
</tbody>
</table>

### Preparations

<table>
<thead>
<tr>
<th>Rate of Draft</th>
<th>Depth of Draft</th>
<th>Feet (m)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8&quot;</td>
<td>116</td>
<td>285</td>
</tr>
</tbody>
</table>

### Static Water Level
5800 ft.*

### Pumping Water Level
335 ft.*

*Measured from ground level.

Well developed by Air for 9 hours.

### Power
Pump: 5 HP

### Remarks
Gravel packing, cementing, packers, type of shutoff

### Indicate Location of Well and Place of Use, If Possible.

Each small square represents 40 acres.

Driller's Signature: 
Driller's Address: Joe Johnson 832, Tresck, Montana

**LICENSE NO. 154**

**Show exact depth of bottom** 415 ft.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>GW-2</td>
<td>9999</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>MILES, DANIEL</td>
<td>GW-2</td>
<td>8888</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>GW-1</td>
<td>7777</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>MILES, LESTER</td>
<td>WATERWELL</td>
<td>7777</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>MILES, LESTER</td>
<td>WATERWELL</td>
<td>7777</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>GW-2</td>
<td>6666</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>MILES, VERLEN</td>
<td>GW-2</td>
<td>5555</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of appropriation of groundwater

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>Notice of appropriation of groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100 Sand, Gray</td>
<td>Notice of appropriation of groundwater</td>
</tr>
<tr>
<td>100-110 Sandy shale, Gray</td>
<td>Notice of appropriation of groundwater</td>
</tr>
<tr>
<td>110-120 Sand, Gray</td>
<td>Notice of appropriation of groundwater</td>
</tr>
<tr>
<td>120-140 Sandy shale, L. Brown</td>
<td>Notice of appropriation of groundwater</td>
</tr>
</tbody>
</table>

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>Strata</th>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>90-100 Sand, Gray</td>
<td>100.13</td>
</tr>
<tr>
<td>100-110 Sandy shale, Gray</td>
<td>114</td>
</tr>
<tr>
<td>110-120 Sand, Gray</td>
<td>120</td>
</tr>
<tr>
<td>120-140 Sandy shale, L. Brown</td>
<td>140</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>95</td>
</tr>
</tbody>
</table>

Shut-In Pressure for Flowing Well

<table>
<thead>
<tr>
<th>Pressure (feet of water)</th>
</tr>
</thead>
<tbody>
<tr>
<td>80</td>
</tr>
</tbody>
</table>

Pumping Water Level

<table>
<thead>
<tr>
<th>Level (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>113</td>
</tr>
</tbody>
</table>

Discharge in gal. per min. of flowing well

<table>
<thead>
<tr>
<th>Discharge (gals/min)</th>
</tr>
</thead>
<tbody>
<tr>
<td>30</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>N/A</td>
</tr>
</tbody>
</table>

Show exact depth of bottom.

Kiltner No. 2 Well (32-R-1963)

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, three 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

Driller's Signature

42.075
<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date</td>
<td>6-28-67</td>
</tr>
<tr>
<td>County Clerk</td>
<td>S. M. Norcross</td>
</tr>
<tr>
<td>Filed At</td>
<td>9:47 A.M.</td>
</tr>
<tr>
<td>DEPT</td>
<td>COUNTY</td>
</tr>
<tr>
<td>Code</td>
<td>388983</td>
</tr>
<tr>
<td>CITY</td>
<td>STORE</td>
</tr>
<tr>
<td>STREETS</td>
<td>44.51</td>
</tr>
<tr>
<td>NEAREST STREET CENTER</td>
<td>6.61</td>
</tr>
<tr>
<td>NEAREST STREET DISTANCE</td>
<td>2.59</td>
</tr>
<tr>
<td>CITY STREET DISTANCE</td>
<td>3.84</td>
</tr>
<tr>
<td>CITY ST. CENTER DISTANCE</td>
<td>2.34</td>
</tr>
<tr>
<td>COUNTY ST. CENTER DISTANCE</td>
<td>3.94</td>
</tr>
<tr>
<td>COUNTY ST. DISTANCE</td>
<td>4.44</td>
</tr>
<tr>
<td>Zip Code</td>
<td>38018</td>
</tr>
<tr>
<td>TOWNSHIP</td>
<td>01</td>
</tr>
<tr>
<td>RANGE</td>
<td>06</td>
</tr>
<tr>
<td>SECTION</td>
<td>14</td>
</tr>
<tr>
<td>NORTH LINE</td>
<td>406.00</td>
</tr>
<tr>
<td>SOUTH LINE</td>
<td>804.00</td>
</tr>
<tr>
<td>WEST LINE</td>
<td>440.00</td>
</tr>
<tr>
<td>EAST LINE</td>
<td>880.00</td>
</tr>
<tr>
<td>SIZE</td>
<td>0.14</td>
</tr>
<tr>
<td>TATUM</td>
<td>200</td>
</tr>
<tr>
<td>TOWN</td>
<td>SANDTOWN</td>
</tr>
<tr>
<td>STATE</td>
<td>OHIO</td>
</tr>
<tr>
<td>COUNTY</td>
<td>HARRISON</td>
</tr>
</tbody>
</table>

Note: The document appears to be a form for recording geographic information, possibly for a legal or administrative purpose. The fields include details about the location, date, and various measurements.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: Darwin White
Address: Terry

Driller: George Oakes
Address: Miles City, Mont.

Date of Notice of Appropriation of Groundwater: 7/14/63
Date well started: 7/14/63
Date completed: 7/25/63

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

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

As indicated 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.

Static Water Level for non-flowing well: 262 feet.
Shut-in Pressure for flowing well:

Pumping Water Level: feet at... gal. per minute.
Discharge in gal. per min. of flowing well:

How Tested: Baked Length of Test: 62 days

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

Connected with IST stock:
Cement from stand type of Sand to Surface:

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. Bureau of Land Management of Box 960, Miles City
   (Name of Appropriator)
   (Address)

   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
      Livestock water

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1943 - continuous

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Windmill - Filed by Sec. 18

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1943

   8. The depth of water table Unknown

   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

   10. The estimated amount of groundwater withdrawn each year 1,500,000 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

   District Manager
   Date 1-2-43

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
Bute, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Leslers Mines</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Ira G. Bond</td>
<td>Address</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 17 to</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 16 T. 13 R. 49</td>
<td>#4 sec. #1 of #1</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>surf. ce</th>
<th>ft. to 104 ft.</th>
<th>Type</th>
<th>steel</th>
<th>Size: 4&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td>ft.</td>
<td>Type:</td>
<td>Size:</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td>ft.</td>
<td>Type:</td>
<td>Size:</td>
<td></td>
</tr>
</tbody>
</table>

| Perforated or Screened: | Ft. 18 to Ft. 24 | Ft. 73 to Ft. 80 |
| Type of screen or perforations: | burned holes 5/16" |

| Static Water level, for non-flowing well: | feet |
| Shut-in pressure, for flowing well: | lb/sq. in. on: (date) |
| Pumping water level: | feet at gal. per min. |
| How tested: | Length of test |
| Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) | gravel packed from top to bottom |

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 21</td>
<td>gumbo</td>
</tr>
<tr>
<td>22 to 32</td>
<td>yellow clay</td>
</tr>
<tr>
<td>23 to 32</td>
<td>sand little water 1 gal per min</td>
</tr>
<tr>
<td>32 to 74</td>
<td>gumbo</td>
</tr>
<tr>
<td>74 to 79</td>
<td>rock</td>
</tr>
<tr>
<td>75 to 78</td>
<td>water sand 4 gal per minute</td>
</tr>
<tr>
<td>78 to 104</td>
<td>gumbo</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>-------------</td>
<td>---------</td>
</tr>
<tr>
<td></td>
<td>(Dug, driven, bored, or drilled)</td>
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<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>
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</thead>
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<table>
<thead>
<tr>
<th>Casing</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>104</td>
<td></td>
<td>steel</td>
<td>4 inch</td>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened</th>
<th>Ft. 73 to Ft. 80</th>
<th>Ft. 18 to Ft. 24</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>5/16 holes out 3 in. apart with cutting torch</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well</th>
<th>At 70 feet</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>90 ft.</th>
<th>feet at</th>
<th>4 gal. per min</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>How tested</th>
<th>bailed</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test</th>
<th>one hour</th>
</tr>
</thead>
</table>

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

| |
|---|---|---|---|---|

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
<th>Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
<td>Gumbo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>20</td>
<td>Yellow clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>23</td>
<td>Sand</td>
<td>1 gpm</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>32</td>
<td>Yellow clay</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>74</td>
<td>Gumbo</td>
<td></td>
<td></td>
</tr>
<tr>
<td>74</td>
<td>75</td>
<td>Rock</td>
<td></td>
<td></td>
</tr>
<tr>
<td>75</td>
<td>78</td>
<td>Water sand</td>
<td>4 gpm</td>
<td></td>
</tr>
<tr>
<td>78</td>
<td>104</td>
<td>Gumbo</td>
<td></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.

Stips Well
Owner/Operator of Land

Address Miles City, Montana

File 94301

Date well started Dec 12, 1992 9:35am

Date well completed Dec 12, 1992

Type of well Drilled

Equipment used Air-drilled

Water Use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]

Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

*Describe

USF: 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>Zone</th>
<th>Exposed</th>
<th>Depth</th>
<th>Pervious</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>65</td>
<td></td>
<td>110</td>
</tr>
</tbody>
</table>

| Static water level | 63 ft.
| Pumping water level | 65 ft.

*Measured from ground level. Well developed by [ ]

Power Pump HP

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

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

A CH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature

Licence No. 156

Show exact depth of bottom
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 227, Montana Session Laws, 1941)

Owner: Julia Arline. Address: Terry, Mont.
Driller: Joe Johnson. Address: Terry, Mont.

Date of Notice of Appropriation of Groundwater: June 1, 1967
Date Well Started: July 10, 1967; Date Completed: July 18, 1967

Type of Well: Drilled
Equipment Used: Rotary
(Dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Strata Met</th>
<th>Footage of Strata</th>
<th>Depth of Strata</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>200-205 ft</td>
<td>Sand</td>
<td>8'</td>
<td>1'10 1/16</td>
</tr>
<tr>
<td>205-230 ft</td>
<td>Sand</td>
<td>8'</td>
<td>1'10 1/16</td>
</tr>
<tr>
<td>230-240 ft</td>
<td>Sand</td>
<td>8'</td>
<td>1'10 1/16</td>
</tr>
<tr>
<td>240-245 ft</td>
<td>Sand</td>
<td>8'</td>
<td>1'10 1/16</td>
</tr>
</tbody>
</table>

Static Water Level for Non-flowing Well: 1/45 feet
Shut-in Pressure for Flowing Well: 35 lbs.
Pumping Water Level: 200 feet at 1 1/4 gals. per minute.
Discharge in gal. per min. of flowing well: 60
How Tested: Pumped Length of Test: 10 days

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

Driller's License Number: 154
Driller's Signature: [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.

42, 355
<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>4</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>Gw-2</td>
<td>92359</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>WARNER, MAX</td>
<td>Gw-2</td>
<td>93602</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>BEESY, WILLIAM</td>
<td>Gw-2</td>
<td>88465</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>WARNER, KATHERINE</td>
<td>Gw-4</td>
<td>85574</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>WARNER, KATHERINE</td>
<td>Gw-4</td>
<td>95693</td>
<td></td>
</tr>
<tr>
<td>50</td>
<td>WARNER, KATHERINE</td>
<td>WATERTOWER</td>
<td>81425</td>
<td></td>
</tr>
<tr>
<td>66</td>
<td>JOHNSON, WILLIAM H.</td>
<td>WATER WELL</td>
<td>81999</td>
<td></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)

**Top of Ground**

- 9 - 20 Lt. Brn Sand
- 20 - 30 Sand & Gravel
- 30 - 40 Fine Sand
- 40 - 50 Gumbo
- 65 - 70 Sandy Gray Clay
- 70 - 80 Sand
- 85 - 95 Sandy Clay
- 100 - 110 Dk. Brn. Gumbo
- 120 - 150 Sandy Clay
- 150 - 174 Fine Gray Sand

**Date of Notice of appropriation of groundwater**

Date started: 1/1/70
Date completed: 6/15/70

**Type of Well**

- Drilled
- Equipment used: Rotary
  - (Churn drill, rotary or other)

**Water Use**

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other

**Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show 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 Core</th>
<th>From</th>
<th>To</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1/2&quot;</td>
<td>6&quot; ED</td>
<td>16,977</td>
<td>+1</td>
<td>174</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well**

75 feet.

**Shut-in Pressure for Flowing Well**

Pumping Water Level 85 feet at 12 gal. per minute.

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

How Tested: Bailier Tested
Length of Test: 2 hrs.

**Remarks**

- Gravel packing, cementing, packers, type of shutoff
- 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.

Driller’s Signature: [Signature]

Driller’s License Number: [Number]

Filed for record:
11 day of September
A.D. 1970, at 12:00 o’clock A.M.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

Date of Notice of appropriation of groundwater:

Date well started: 6/4/70 Date completed: 6/5/70

Type of well Drilled: Dug, driven, bored or drilled Equipment used: Air Rotary: Churn drill, rotary or other

Water use:

Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show 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>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6&quot; ID</td>
<td>1897#</td>
<td>174</td>
</tr>
<tr>
<td>3/8&quot;</td>
<td>147</td>
<td>167</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 75 feet.
Shut-in Pressure for Flowing Well: 45 feet at: 12 gal. per minute.
Discharge in gal. per min. of flowing well: 85 gal.

How Tested: Bailer Tested
Length of Test: 1 hour

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

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

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

Driller: Joe Johnson Drilling Address: Terry
Owner: L.J. Address: Miles City

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.

Driller’s License Number: [Signature]
Driller’s Signature: 47502
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:ぷぷぷぷぷぷぷぷぷぷぷぷぷぷ
Address:ぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷぷпу
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Lillian Sofals  
**Address:** Miles City

**Driller:** Wm. O. Bond  
**Address:** Terry, Montana

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

Date well started: **9/02/66**  
Date Completed: **9/09/66**

**Type of well:** Stock Well  
**Equipment Used:** Cable  
(dug, driven, bored or drilled)

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

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

---

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Description</th>
<th>Date Well Started</th>
<th>Date Completed</th>
<th>Drilled</th>
<th>Equipment Used</th>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>black sandy loam</td>
<td>9/02/66</td>
<td>9/09/66</td>
<td>Stock Well</td>
<td>Cable</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>sandy clay and some gravel</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>gumbo</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>sand with 1 gal per min.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>bentonite</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>water sand 1 gal. min.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>bentonite</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>brown shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>blue sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>water sand 1 gal</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

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

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

**Pumping Water Level:** 100 feet at 10 gal per minute.

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

**How Tested:** Dug Well  
**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 pertinent information, including number of acres irrigated, if used for irrigation)

---

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

**Show exact depth of bottom.**

---

**Driller's License Number:**

---

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)

Katharine Young
(Name of Appropriator) (Address) (Town)

County of , 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

2. Date or approximate date of earliest beneficial use; and how continu-
    - Date
    - Continuation

3. The amount of ground water (gallons per minute or gallons per day),

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 loca-

6. The date of commencement and completion of the well(s), or other work for with-
    - Well No. 1
    - Date
    - Well No. 2

7. The depth of water table

8. So far as it may be available, the type, size, and depth of each well in the general specifications of any other

9. The estimated amount of groundwater withdrawn each year

10. The log of the construction and drilling of each well if available

11. Such other information of a similar nature as may be useful in carrying out the policy of this act, including

Signature of Owner

Date

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

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

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

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

1. Katherine Brown, of Terre,
   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:
   1970 - Continuous

4. The amount of groundwater claimed (in inches or gallons per minute):
   ^Springs - 5 gallons

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

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

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:
   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:
   Fert Flowing Springs

10. The estimated amount of groundwater withdrawn each year:
    ^Springs - 2,168,000 gallons

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

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

Signature of Owner: Katherine Brown
Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
# WATER WELL LOG

**Owner:** Mrs. Katherine Warner  
**Address:** Terry, Montana

**Driller:** Roa, Road  
**Address:** Terry, Montana

**Date Started:** November 20, 1958  
**Date Completed:** Nov. 24

**Location:** Sec. 10 T. 13 R. 50  
**Sec. 4

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

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

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing: 0 ft. to 104 ft.</th>
<th>Type: Steel</th>
<th>Size: 6 inch</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing: ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
</tbody>
</table>

| Perforated or Screened: | 3x-13 to 16 | 3x-93 to 102 |
| Perforated or Screened: | ft.         | ft.          |

<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
<th>3/16 in. holes out two inches apart with torch</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>12 ft.</th>
</tr>
</thead>
</table>

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

**Pumping water level:** 100 feet at A gal. per min.

**How tested:** [ ] reputable water level test  
[ ] test well

**Length of test:** one hour

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>12</td>
<td></td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>12</td>
<td>16</td>
<td></td>
<td>Sand and Gravel 3 gpm</td>
</tr>
<tr>
<td>16</td>
<td>20</td>
<td></td>
<td>Cumbo</td>
</tr>
<tr>
<td>20</td>
<td>28</td>
<td></td>
<td>Chalky Clay</td>
</tr>
<tr>
<td>28</td>
<td>102</td>
<td></td>
<td>Water wood 2 gpm</td>
</tr>
<tr>
<td>102</td>
<td>104</td>
<td></td>
<td>Chalky Clay</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: William H. Johnson  Address: Terry, Mont.
Driller: Henry E. Johnson  Address: Terry, Mont.

Date Started: Apr. 8, 1960  Date Completed: Apr. 19, 1960
Location: Sec. 26, T. 15 N., R. 50 E., 4 1/2 sec.

Type of well: Drilled
Equipment used: Cable Tool

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

Industrial [ ] Drainage [ ] Other: [ ]

Casing: 0 ft. to 112 ft. Type: Std. Pipe Size: 6"

Casing: 112 ft. to 853 ft. Type: [ ] Size: [ ]

Casing: 853 ft. to 1120 ft. Type: 12" Size: 12"

Perforated or Screened: Ft. 65 to ft. 1120 Ft. 10 to ft. 12

Type of screen or perforations: Holes

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

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

Pumping water level: 40 feet at 8 gal. per min.

How tested: [ ]

Length of test: 4 hrs.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2</td>
<td>Top Soil</td>
</tr>
<tr>
<td>2 - 10</td>
<td>Gravel</td>
</tr>
<tr>
<td>10 - 90</td>
<td>Shale w/ intermittent coal seams</td>
</tr>
<tr>
<td>90 - 110</td>
<td>Sandy shale w/ some water</td>
</tr>
<tr>
<td>110 - 112</td>
<td>Shale</td>
</tr>
</tbody>
</table>
## GROUNDWATER INDEX

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>Gw-3</td>
<td>43441</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>UNDEMN, NELS</td>
<td>WATER WELL LDC</td>
<td>80486</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>UNDEMN, NELS</td>
<td>WATER WELL LDC</td>
<td>81423</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>PRAIRIE CATTLE CO.</td>
<td>Gw-2</td>
<td>59157</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>KNUTH'S CATTLE CO.</td>
<td>Gw-4</td>
<td>53411</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>Gw-2</td>
<td>92350</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>KNUTH'S CATTLE CO.</td>
<td>WATER WELL LDC</td>
<td>96216</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>R.L. JR.</td>
<td>Gw-3</td>
<td>94988'</td>
<td>Cotton Well</td>
</tr>
</tbody>
</table>
**RECEIVED**

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.

**Bureau of Land Management**
Owner ____________________________
Address Miles City, Mont. ____________________________

Date well started 7/7/78 GW 1
Date well completed 7/7/78

Type of well Drilled
Equipment used Air Rotary
Water Use Domestic [ ] Municipal [ ] Stock [X] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

*Describe Dry Hole 1 gpm & 100'
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 Weight of Casing</th>
<th>From (Ft.)</th>
<th>To (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8&quot;</td>
<td>6&quot; X D</td>
<td>18.97</td>
<td>+1</td>
</tr>
</tbody>
</table>

---

Static water level ______________ ft.*
Pumping water level ______________ ft.*
at ______________ gallons per minute, measured ______________ minutes after pumping began.
*Measured from ground level.

Well developed by ______________
for ______________ hours.

Power: ______________ HP
Remarks: (Gravel packing, cementing, packets), type of shutoff)

**LICENSE NO. 154**

(See continuation sheet) Attached

**RECEIVED**

Count... PRY....

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.

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>(Ft. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 10 Dr. Brn. Gumbo w/ stringer of Coal</td>
<td></td>
</tr>
<tr>
<td>10 50 Brn. Sand</td>
<td></td>
</tr>
<tr>
<td>50 70 Blk. Coal</td>
<td></td>
</tr>
<tr>
<td>70 93 Gray Clay</td>
<td></td>
</tr>
<tr>
<td>93 98 Hard Rock</td>
<td></td>
</tr>
<tr>
<td>98 118 Gray Clay</td>
<td></td>
</tr>
<tr>
<td>118 128 Gray Clay w/ stringer of Clay</td>
<td></td>
</tr>
<tr>
<td>128 143 Gray Clay</td>
<td></td>
</tr>
<tr>
<td>143 163 Steal of Sand</td>
<td></td>
</tr>
<tr>
<td>163 198 Sandy Gray Clay</td>
<td></td>
</tr>
<tr>
<td>198 250 Gray Sand</td>
<td></td>
</tr>
<tr>
<td>250 257 Hard Gray Rock</td>
<td></td>
</tr>
<tr>
<td>257 309 Sandy Gray Clay</td>
<td></td>
</tr>
<tr>
<td>309 330 Grv by Bentonite Sand</td>
<td></td>
</tr>
<tr>
<td>330 340 Gray Sand</td>
<td></td>
</tr>
<tr>
<td>340 360 Clay &amp; Sand</td>
<td></td>
</tr>
<tr>
<td>360 390 Bentonite Sand</td>
<td></td>
</tr>
<tr>
<td>390 412 Brn. Gumbo</td>
<td></td>
</tr>
<tr>
<td>412 459 Hard Rock</td>
<td></td>
</tr>
<tr>
<td>459 459 Gray Gumbo</td>
<td></td>
</tr>
<tr>
<td>459 450 Brn. Gumbo</td>
<td></td>
</tr>
<tr>
<td>450 500 Sandy Gray Clay</td>
<td></td>
</tr>
</tbody>
</table>

Show exact depth of bottom...
**Driller's Log**

**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 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**

<table>
<thead>
<tr>
<th>B. I. H.</th>
<th>For Administrator's Use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Address**

Milton City, Mt.

**Date well started**

7/23/71

**Date well completed**

7/23/71

**Type of Well**

Drilled (Drilled, bored or drilled)

**Equipment used**

Rotary (Chim drill, rotary or other)

**Water Use**

Domestic ☐, Municipal ☐, Stock ☐, Irrigation ☐

Industrial ☐, Drainage ☐, Other ☐, Garden/Lawn ☐

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

---

**Estimated Annual Withdrawal**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Depth and Weight of casing</th>
<th>Dia. (Feet)</th>
<th>Ft.</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8&quot; 6&quot; ID 0</td>
<td></td>
<td>504</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>5&quot; 4&quot; ID 500</td>
<td></td>
<td>1400</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Static water level**

330 ft.

Pumping water level 426 ft.

15 gpm. 20 feet measured 15 minutes after pumping began.

*Measured from ground level.

**Power**

Pump: HP

**Remarks** (Gravel Packing, cementing, packers, type of shutoff)

---

**License No. 154**

---

**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**  
For Administrator’s Use  

**Address**  

**Date well started**  
GW 1  

**Type of well**  
(Dus, driven, bored or drilled)  

**Equipment used**  
(Chamber drill, rotary or other)  

**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 (in., Lot, Block and Addition).  

**ESTIMATED ANNUAL WITHDRAWAL**  

<table>
<thead>
<tr>
<th>Month</th>
<th>Days</th>
<th>Rate of Draw</th>
<th>Rate and Depth of Casing</th>
<th>From (Ft.)</th>
<th>To (Ft.)</th>
<th>Sand</th>
<th>Stone</th>
<th>To (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| N | Static water level ft.*  
Pumping water level ft.* at 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 shutoff)  

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

**Driller’s Signature**  

**Driller’s Address**  

**LICENSE NO.**
<table>
<thead>
<tr>
<th>Owner</th>
<th>Nala Undum</th>
<th>Address</th>
<th>Terry, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Ira G. Bond</td>
<td>Address</td>
<td>Terry, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>April 10, 1960</td>
<td>Date Completed</td>
<td>April 16</td>
</tr>
<tr>
<td>Location: Sec. 8</td>
<td>T. 13</td>
<td>R. 51</td>
<td>W1/4 sec.</td>
</tr>
</tbody>
</table>

**WATER WELL LOG**

**STATE ENGINEER**

**Type of well**: Drilled

**Equipment used**: Cable Tool

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

Industrial [ ] Drains [ ] Other: [ ]

**Casing**: 0 ft. to 198 ft. Type: Steel Size: 4 inch

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

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

**Perforated or Screened**: Ft. 174 ft. to 191 ft. Ft. to ft.

**Type of screen or perforations**: 5/16 in holes, cut three in. apart with cutting torch

**Static Water level, for non-flowing well**: 168 feet.

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

**Pumping water level**: 195 feet at 4 gal. per min.

**How tested**: With bailer

**Length of test**: one hour

**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>0 - 25</td>
<td>Sandy Yellow clay</td>
</tr>
<tr>
<td>25 - 34</td>
<td>Hard Coal</td>
</tr>
<tr>
<td>34 - 75</td>
<td>Gumbo</td>
</tr>
<tr>
<td>75 - 91</td>
<td>Hard Rock</td>
</tr>
<tr>
<td>77 - 95</td>
<td>Gumbo</td>
</tr>
<tr>
<td>92 - 122</td>
<td>Coal</td>
</tr>
<tr>
<td>122 - 130</td>
<td>Gumbo</td>
</tr>
<tr>
<td>130 - 134</td>
<td>Clay</td>
</tr>
<tr>
<td>134 - 152</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>154 - 185</td>
<td>Gumbo</td>
</tr>
<tr>
<td>156 - 189</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>175 - 190</td>
<td>Sandstone</td>
</tr>
<tr>
<td>190 - 193</td>
<td>Water Sand 18 gpm</td>
</tr>
<tr>
<td>193 -</td>
<td>Gumbo</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

**Owner:**
- Name: [Name]
- Address: [Address]

**Driller:**
- Name: [Name]
- Address: [Address]

**Date Started:** April 10, 1960
**Date Completed:** April 26, 1960

**Location:**
- Section: [Section]
- Township: [Township]
- Range: [Range]
- Quarter Section: [Quarter Section]

**Type of Well:**
- [Type of Well]

**Equipment Used:**
- [Equipment Used]

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

**Casing:**
- Surface to 195 ft.: [Type of Casing]
- [Size]
- [Date or Other]
- [Casing Details]

**Perforated or Screened:**
- From 174 to 191 ft.: [Type of Perforation]
- [Length of Perforation]
- [Type of Perforation]

**Static Water Level:** [Feet]

**Shut-in Pressure:** [Date] [PSI]

**Pumping Water Level:** [Date] [GPM]

**Remarks:**

(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>23</td>
<td>sandy yellow clay</td>
</tr>
<tr>
<td>23</td>
<td>54</td>
<td>hard coal</td>
</tr>
<tr>
<td>54</td>
<td>75</td>
<td>gumbo</td>
</tr>
<tr>
<td>75</td>
<td>91</td>
<td>rock</td>
</tr>
<tr>
<td>91</td>
<td>95</td>
<td>coal</td>
</tr>
<tr>
<td>95</td>
<td>120</td>
<td>gumbo</td>
</tr>
<tr>
<td>120</td>
<td>130</td>
<td>clay</td>
</tr>
<tr>
<td>130</td>
<td>134</td>
<td>sandy clay</td>
</tr>
<tr>
<td>134</td>
<td>152</td>
<td>gumbo</td>
</tr>
<tr>
<td>152</td>
<td>155</td>
<td>sandy clay</td>
</tr>
<tr>
<td>155</td>
<td>175</td>
<td>sandstone</td>
</tr>
<tr>
<td>175</td>
<td>190</td>
<td>water sand</td>
</tr>
<tr>
<td>190</td>
<td>196</td>
<td>gumbo</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: **Lyle Dalatto**
Address: **Terry, Mont.**

Driller: **Joe Johnson**
Address: **Terry, Mont.**

Date of Notice of Appropriation of Groundwater: 8/21/67

Date Completed: 8/22/67

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

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**Driller's License Number**: 134

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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)

Knuth Castle Co. of
(Name of Appropriator) (Address)
County of State of
(Town)

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

2. The beneficial use on which the claim is based

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

4. The amount of groundwater claimed (in miner’s inches or gallons per minute) 6 gal. per min.

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
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

(Stacy)

(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.

Bureau of Land Management

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address: Miles City, Mont.</th>
<th>For Administrator's Use</th>
</tr>
</thead>
</table>
|       |                             | File NW 1/4 Section 19, 
|       |                             | 1970 12:00 M.M.         |

Date well started: 9/8/70
Completed: 9/11/70

Type of well: Drilled

Equipment used: Air Rotary

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8&quot;</td>
<td>6&quot; ID 19.97</td>
<td>+ 1 337</td>
<td>337</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 99 ft.
Pumping water level: 120 ft.
at: 4 gallons per minute
measured 120 minutes after pumping began.

*Measured from ground level.
Well developed by: hours
Power: Pump: HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: [Signature]
Driller's Address: Joe Johnson Drig, Terry, Mont.

LICENSE NO. 154

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 18</td>
<td>Br. Gumbo</td>
</tr>
<tr>
<td>18 38</td>
<td>Br. Brn. Sand</td>
</tr>
<tr>
<td>38 69</td>
<td>Rine Yellow Sand</td>
</tr>
<tr>
<td>69 78</td>
<td>Gray Clay</td>
</tr>
<tr>
<td>78 92</td>
<td>Blk. Coal</td>
</tr>
<tr>
<td>92 128</td>
<td>Brn. Gray Sand</td>
</tr>
<tr>
<td>128 148</td>
<td>Gray Clay w/ stringers of Coal</td>
</tr>
<tr>
<td>148 150</td>
<td>Gray Clay</td>
</tr>
<tr>
<td>150 176</td>
<td>Clay &amp; Coal</td>
</tr>
<tr>
<td>176 196</td>
<td>Sandy Gray Clay</td>
</tr>
<tr>
<td>196 228</td>
<td>Gray Clay</td>
</tr>
<tr>
<td>228 248</td>
<td>Brn Gumbo</td>
</tr>
<tr>
<td>248 250</td>
<td>Brn. Gumbo w/ stringers of Coal</td>
</tr>
<tr>
<td>250 254</td>
<td>Brn. Gumbo</td>
</tr>
<tr>
<td>254 278</td>
<td>Blk. Coal</td>
</tr>
<tr>
<td>278 300</td>
<td>Sandy Gray Clay w/ stringers of Coal</td>
</tr>
<tr>
<td>300 308</td>
<td>Sandy Gray Clay</td>
</tr>
<tr>
<td>308 332</td>
<td>Sandy Gray Clay</td>
</tr>
<tr>
<td>332 333</td>
<td>Hard Rock</td>
</tr>
<tr>
<td>333 337</td>
<td>Water Clay</td>
</tr>
</tbody>
</table>

337: Show exact depth of bottom
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

STACY

(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.

Date well started 6/3/79

completed 6/11/79

Type of well Drilled

Equipment used Air Rotary

Water Use: Domestic ■ Municipal ■ Stock □ Irrigation □

Industrial □ Drainage □ Other □* Garden/Lawn □

Describe: 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 12,000 gpd

PERFORATIONS

N

W

E

S

Static water level 98 ft.

Pumping water level 120 ft.

at 4 gallons per minute, measured 120 minutes after pumping began.

*Measured from ground level.

Well developed by

Power Pump

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

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

Driller's Signature

Driller's Address... Joe Johnson, Mtza. Terry, Mont.

LICENSE NO. 154
**WATER WELL LOG**

**Owner:** Marta Cattle Company  
**Address:** Terry, Montana

**Driller:** Jno. C. Bond  
**Address:** Terry, Montana

**Date Started:** November 1, 1959  
**Date Completed:** November 14/15

**Location:** Sec. 34, T. 13, R. 51, ¼ sec. 4, SE ¼ of the NE ¼

**Type of well:** Drilled  
**Equipment used:** Rotary and Cable tool

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

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

**Casing:** 0 ft. to 31 ft.  
**Type:** Steel  
**Size:** 6 inch

**Casing:** 0 ft. to 600 ft.  
**Type:** Steel  
**Size:** 2 inch

**Perforated or Screened:** 0 ft. to 600 ft.  
**Type of screen or perforations:** 3/4 in. holes cut one inch apart with torch

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

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

**Pumping water level:** feet at:  
**Rate:** gal. per min.

**How tested:** Flow 12 cans tested with bucket and watch

**Length of test:** Open flow for twenty-four hours tested for one minute

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

*Four inch ring at 562 feet*
## 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>1</td>
</tr>
<tr>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>6</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>17</td>
</tr>
<tr>
<td>17</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>30</td>
</tr>
<tr>
<td>30</td>
<td>45</td>
</tr>
<tr>
<td>45</td>
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<td>55</td>
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<tr>
<td>55</td>
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<td>65</td>
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<tr>
<td>65</td>
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<tr>
<td>70</td>
<td>75</td>
</tr>
<tr>
<td>75</td>
<td>80</td>
</tr>
<tr>
<td>80</td>
<td>85</td>
</tr>
</tbody>
</table>
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1963

(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.

**County**: [Redacted]

**Owner**: [Redacted]

**Address**: [Redacted]

**Date well started**: 3/27/73

**Date well completed**: 3/27/73

**Type of well**: Drilled

**Equipment used**: A slurry box (Chey. driven, bored or drilled)

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

*Describe*: None

**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 Plates</th>
<th>Depth and Thickness of Plates</th>
<th>Size (Ft)</th>
<th>Depth (Ft)</th>
<th>Top (Ft)</th>
<th>Kinds of Strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8&quot;</td>
<td>6&quot; x 26</td>
<td>18.971</td>
<td>1</td>
<td>377</td>
<td>7/8 x 6&quot;</td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>30 35 40 50</th>
<th>35</th>
<th>40</th>
<th>30</th>
<th>35</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>280</td>
<td>300</td>
<td>350</td>
<td>370</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level**: 765 ft

**Pumping water level**: 800 ft

at 6... gallons per minute, measure 30... minutes after pumping began.

*Measured from ground level. Well developed by electric for 2 hours. Power: pump, 1 HP. Remarks: (Gravel packing, cementing, packers, type of shutoff) / Notes: Not good yields. Well was drilled for 4 hrs.

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

[Diagram]

**Driller's Signature**: [Redacted]

**Driller's Address**: [Redacted]

**License No.**: 154

**Show exact depth of bottom**: 377