<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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<tbody>
<tr>
<td>1</td>
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<td>GW 4</td>
<td>169577</td>
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<tr>
<td>4</td>
<td>Jorgene, Matt</td>
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<tr>
<td>5</td>
<td>&quot;</td>
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<td>14</td>
<td>Harris, William J.</td>
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<td>GW 4</td>
<td>169605</td>
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<td>GW 4</td>
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<td>GW 2</td>
<td>183548</td>
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<td>Wyman Enioch &amp; Co.</td>
<td>GW 4</td>
<td>169419</td>
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<tr>
<td>22</td>
<td>&quot;</td>
<td>GW 4</td>
<td>169432</td>
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<td>GW 4</td>
<td>169502</td>
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<td>31</td>
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<td>GW 4</td>
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<td>&quot;</td>
<td>GW 4</td>
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<td>Type of Form</td>
<td>County File No.</td>
<td>Remarks</td>
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<tr>
<td>34</td>
<td>Daugherty, E.O.</td>
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<td>169694</td>
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<tr>
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<td>Howard, William F.</td>
<td>GW-1</td>
<td>169940</td>
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<td>GW-1</td>
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<td>35</td>
<td>&quot;</td>
<td>GW-2</td>
<td>57108</td>
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<td></td>
<td></td>
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<tr>
<td>35</td>
<td>&quot;</td>
<td></td>
<td></td>
<td>well 100</td>
</tr>
</tbody>
</table>

County: Musselshell  Twp: 10N  Rge: 24E  Comt.
Owner: Graves Ranch Company  
Driller: Joe Kombol  
Date Started: July 14, 1961  
Date Completed: Same  
Location: Sec. 1 T. 10N R. 24E 4 sec. SE1,  

| Type of well: | Drilled  
| Equipment used: | churn  
| Water use: | Domestic | Municipal | Stock | Irrigation  
| Casing: | 0 ft. to 48 ft. | Type: 20 Ga. | Size: 6"  
| Casing: | ft. to ft. | Type: | Size:  
| Perforated or screened: | Ft. 16 to Ft. 48 | Ft. to Ft.  
| Type of screen or perforations: | ¾" holes  
| Static water level, for non-flowing well: | 16' feet  
| Shut-in pressure, for flowing well: | lb./sq. in. on: (gals)  
| Pumping water level: | 30 feet at 30 gal. per min.  
| How tested: | Pump  
| Length of test: | 10 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>0 - 15</td>
<td>Sandy soil</td>
</tr>
<tr>
<td>15 - 17</td>
<td>Gravel</td>
</tr>
<tr>
<td>17 - 28</td>
<td>Yellow sand</td>
</tr>
<tr>
<td>28 - 48</td>
<td>Grey Sand</td>
</tr>
</tbody>
</table>
Form No. 18

T. 10 R. 24

Montana Bureau of Mines and Geology
Butte, Montana

Owner: Matt Jacobson
Address: Roundup, Montana
Driller: Unknown
Address: X

Date Started: About 1920
Date Completed: 1920
Location: Sec. 4 T. 10 R. 24 W. 1/2

Type of well: Drilled
Equipment used: Drill

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

Casing: 1 ft. to 100 ft. Type [ ] Size 6"
Casing: ft. to ft. Type [ ] Size
Casing: ft. to ft. Type [ ] Size

Perforated or screened: Ft. P to ft. P. Ft. P to ft. P

Type of screen or perforations [ ]

Static water level, for non-flowing well: 26 feet.

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

Pumping water level feet at gal. per min. 12

How tested: Bail & bucket

Length of test

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></td>
<td>Description of Material Unknown</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Matt Jasebeck, at Box 155, Roundup
   (Name of Appropriator) (Address) (Town)

County of Musselshell 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 earliest beneficial use; and how continuous the use has been
   About 1950 thru 1963

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   May 8-1960 - May 20-1960

8. The depth of water table
   30'

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 6' 83'

10. The estimated amount of groundwater withdrawn each year
    5,000

11. The log of formations encountered in the drilling of each well if available
    None

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
    None

Signature of Owner
Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Form No. 18</th>
<th>T. 10 R. 24 S. 5</th>
</tr>
</thead>
<tbody>
<tr>
<td>County: Missoula</td>
<td>RECEIVED JAN 2 1952</td>
</tr>
<tr>
<td>MONTANA BUREAU OF MINES AND GEOLOGY</td>
<td></td>
</tr>
<tr>
<td>Butte, Montana</td>
<td></td>
</tr>
<tr>
<td>Water Well Log</td>
<td></td>
</tr>
<tr>
<td>Owner: Matt Foikes</td>
<td>Address: Roundup</td>
</tr>
<tr>
<td>Driller: Anderson</td>
<td>Address: Billings, Mont.</td>
</tr>
<tr>
<td>Date Started: Dec. 3, 1943</td>
<td>Date Completed: Dec. 1943</td>
</tr>
</tbody>
</table>
| Location: Sec. 5 T. 10 R. 24 
  1/4 sec. S.E. quarter |

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing:</td>
<td>1 ft. to 10 ft.</td>
<td>Galvanized</td>
<td>Size 6&quot;</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>Perforated or screened:</td>
<td>Ft. to Ft.</td>
<td>Ft. to Ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static water level, for non-flowing well:</td>
<td>77 feet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>feet at gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: | Matt Jac Leck  
Driller: | Matt Jac Leck  
Date Started: | Dec 20  
Date Completed: | Dec 27  
Location: | Sec 5 T. 10 R. 24 1/4 sec. NW 1/4

Type of well: Drilled water-well

Equipment used: Raddle Rig drill

Water use: Stock

Casing: 116' ft. to 116' ft. Type: Galvanized Size: 6"

Perforated or Screened: Ft. 31' to ft. 86' to Ft. 116' to ft.

Static Water level, for non-flowing well: 

Shut-in pressure, for flowing well: 

Pumping water level: feet at gal. per min.

How tested: Static pumped

Length of test: 1 hour

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

Pumped for five hours at five gal. per minute.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Sand</td>
</tr>
<tr>
<td>20</td>
<td>Rock</td>
</tr>
<tr>
<td>23</td>
<td>Sandstone</td>
</tr>
<tr>
<td>33</td>
<td>Limestone</td>
</tr>
<tr>
<td>53</td>
<td>Limestone</td>
</tr>
<tr>
<td>71</td>
<td>Limestone</td>
</tr>
<tr>
<td>81</td>
<td>Sandstone</td>
</tr>
<tr>
<td>106</td>
<td>Sand Rock</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)

Owner: Matt Jasbeek

Address: Roundup, Montana

Driller: Joe Kembol

Address: Roundup, Montana

Date of Notice of appropriation of groundwater: None

Date well started: 4/10/68

Date completed: 4/18/68

Type of well: Drilled

Equipment used: Churn

(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>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>PFPs</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8&quot;</td>
<td>6&quot; ID 4&quot; on 21&quot;</td>
<td>0</td>
<td>12</td>
<td>50</td>
</tr>
<tr>
<td>6&quot;</td>
<td>5&quot; ID 15 lb.</td>
<td>0</td>
<td>148</td>
<td>30</td>
</tr>
<tr>
<td>6&quot;</td>
<td>6&quot;x4&quot; slotted</td>
<td>80</td>
<td>100</td>
<td>20</td>
</tr>
<tr>
<td>6&quot;</td>
<td></td>
<td>110</td>
<td>120</td>
<td>30</td>
</tr>
<tr>
<td>6&quot;</td>
<td></td>
<td>130</td>
<td>140</td>
<td>30</td>
</tr>
</tbody>
</table>

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

52 feet

**Shut-in Pressure for Flowing Well**

6 gal. per minute

**Pumping Water Level**

130 feet

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

6 gal. per minute

**How Tested**

Bailer

**Length of Test**

2 hours

**Remarks**

(Gravel packing, cementing, packers, type of shutoff, casing doweled into sand rock)

(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)

**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 Kembol

Driller's Signature

4/10/68
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. [Name of Appropriator]
   (Name of Appropriator)
of [Address]
   (Address)
   (Town)
   County of [Township]
   State of Montana

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

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

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

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

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

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:

   [Acreage]

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

   [Location]

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

   [Date]

8. The depth of water table:

   [Depth]

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

   [Specifications]

10. The estimated amount of groundwater withdrawn each year:

    [Amount]

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

    [Log]

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:

    [Information]

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; 1st. Copy 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. Matt Jaskeck, of Box 155, Roundup, AB
   (Name of Appropriator) (Address) (Town)
   County of Musselshell State of Mont.
   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.
   June 1957 to June 1963.

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

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.
   Pumped from drilled well.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   May 1957 to June 1957.

8. The depth of water table.
   86 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   Drilled - 6" - 116 ft.

10. The estimated amount of groundwater withdrawn each year.
   60,000.

11. The log of formations encountered in the drilling of each well if available.
   20 feet Rock 18 feet Shale 10 feet Blue Shale 25 feet Shales.

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, Matt Jaskeck
Date Dec 28 - 63

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

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

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

1728
Form No. 18

Owner: Matt Jasbeck  Address: Roundup, Montana
Driller: Matt Jasbeck  Address: Roundup, Montana
Date Started: Jan. 3, 1957  Date Completed: Jan. 12, 1957
Location: Sec. 5 T. 10 R. 24  1/4 sec. NW quarter

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing:</td>
<td>1 ft. to 116 ft.</td>
<td>Type:</td>
<td>Galvanized</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Perforated or screened:</td>
<td>Ft. 80 to Ft. 85</td>
<td>Ft. 95 to Ft. 116</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td>6'' galvanized perforations</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static water level, for non-flowing well:</td>
<td>feet</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>feet at:</td>
<td>gal. per min.</td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Raiser-Bucket</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 1 to 20</td>
<td>Dirt</td>
</tr>
<tr>
<td>20 to 23</td>
<td>Rock</td>
</tr>
<tr>
<td>23 to 33</td>
<td>Sandstone</td>
</tr>
<tr>
<td>33 to 53</td>
<td>Hard Rock</td>
</tr>
<tr>
<td>53 to 71</td>
<td>Shale</td>
</tr>
<tr>
<td>71 to 81</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>81 to 106</td>
<td>Sandstone</td>
</tr>
<tr>
<td>106 to 116</td>
<td>Hard Rock</td>
</tr>
</tbody>
</table>
### Montana Bureau of Mines and Geology

**WATER WELL LOG**

**Owner:** Peerless Oil & Gas Company  
**Address:** 1670 Denver Club Bldg., Denver, Colorado

**Driller:** Ferguson  
**Address:** Lewistown

**Date Started:**  
**Date Completed:**

**Location:** Sec. 7  
**T. 10S  
R. 23E  
1/4 sec. SE 1/4 NW

<table>
<thead>
<tr>
<th>Type of well:</th>
<th>Fired</th>
<th>Equipment used:</th>
<th>Chain Drill</th>
</tr>
</thead>
</table>

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

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

**Perforated or Screened:**  
- ft. to ft.  
- Fr. to Fr.

**Type of screen or perforations:**

**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)

---

*Note: The page contains additional text that is not fully visible.*
Pronghorn Ranch Wp. No. 4 - 1948

Driller - Ferguson, Lewistown

Location - Section 7, Township 10 N, Range 24 E

Size of hole - 10 inches

Size of casing- 20 feet of 8 inch surface casing
22 feet of 4 inch inner casing, slotted 5 feet

New windmill mounted over this hole in 1948.

This is a gravel packed surface well.
Rated 100 gallons a minute under pump, but we installed windmill which is ample.
Form No. 18  
STATE ENGINEER  
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana  

Water Well Log  

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
<th>Location: Sec. 7 T. 10 R. 24 § sec. NE SE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dec. 16, 1956</td>
<td>Dec. 19, 1956</td>
<td></td>
</tr>
</tbody>
</table>

Owner: Matt Jaaber  
Address: Bounding Line  
Driller: Matt Jaaber  
Address: Bounding Line  

Type of Well: Drilled  
Equipment Used: Drill  

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

Casing: 1' ft. to 89' ft. Type: Perforated □ Screened □ Size: 6"  
Casing: □ ft. to □ ft. Type: □ Size: □  
Casing: □ ft. to □ ft. Type: □ Size: □  

Perforated or Screened: □ ft. 72 to □ ft. 89. □ ft. □ to □ ft.  
Type of Screen or Perforations: 6" Galvanized perforation  
Static water level, for non-flowing well: □ ft.  
Shut-in pressure, for flowing well: □ lb./sq. in. on: □ (date)  
Pumping water level □ feet at □ gal. per min. □  
How tested: □ Bucket  
Length of test: □  

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

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 20</td>
<td>Dirt</td>
</tr>
<tr>
<td>20 to 30</td>
<td>Soft Sandstone</td>
</tr>
<tr>
<td>30 to 48</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>48 to 56</td>
<td>Sandstone</td>
</tr>
<tr>
<td>56 to 66</td>
<td>Clay</td>
</tr>
<tr>
<td>66 to 89</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator: Matt Jankowski
   Address: Box 155, Roundup
   Town: Roundup
   County: Mussel Shell
   State: 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 earliest beneficial use; and how continuous the use has been Dec. 1954, about 2 weeks out of a year up to 1963.

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

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: Cylinder & Pump Jack

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Nov. 20, 1956 - Dec. 6, 1956

8. The depth of water table: 45'

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: 20' Drift 10' Drift Sandstone 18' Blue shale 8' Sandstone 10' Clay 22' Sandstone

10. The estimated amount of groundwater withdrawn each year: 4000 Gallon

11. The log of formations encountered in the drilling of each well if available: 20' Drift 10' Drift Sandstone 18' Blue shale 8' Sandstone 10' Clay 22' Sandstone

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: Matt Jankowski
Date: Dec. 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.

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.
Form No. 18
8-60

T. 10 R. 24

County Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STAGE ENGINEER

RECEIVED
JAN 2 1932

Water Well Log

Owner: Math Jaslech
Address: Roundup

Driller: Math Jaslech
Address: Roundup

Date Started: Aug 25 1940
Date Completed: Sept 5 1940

Location: Sec. 8 T. 10 R. 24 i sec. 5E SW

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td></td>
<td>Aug 25 1940</td>
<td>Sept 5 1940</td>
</tr>
</tbody>
</table>

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

Casing:
- 1 ft. to 10 ft. Type: Galvanized, Size: 6"
- ft. to ft. Type: Size:
- ft. to ft. Type: Size:

Perforated or Screened:
- 95 to 101 ft. Ft. to ft.

Type of Screen or Perforation:
- Galvanized perforation

Static Water Level, for Non-Flowing Well:
- 24 feet

Shut-In Pressure, for Flowing Well:
- lb./sq. in. on: (date)

Pumping Water Level:
- feet at gal. per min.: 7

How Tested:
- Boiler Bucket

Length of Test:

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

(over)
<table>
<thead>
<tr>
<th>Depth (feet) From</th>
<th>Depth (feet) To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>10</td>
<td>Dirt</td>
</tr>
<tr>
<td>10</td>
<td>24</td>
<td>Grey Rock</td>
</tr>
<tr>
<td>24</td>
<td>44</td>
<td>Sandstone</td>
</tr>
<tr>
<td>44</td>
<td>54</td>
<td>Grey shale</td>
</tr>
<tr>
<td>54</td>
<td>74</td>
<td>Light Sandstone</td>
</tr>
<tr>
<td>74</td>
<td>79</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>79</td>
<td>101</td>
<td>Sandstone</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)

Name of Appropriator: Matt Jaseleck
Address: Box 155 Roundup
County of: Musselshell
State of: Montana

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: Stock Water

3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   Sept 10 - Oct 10 - Oct 10
   Every year

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 19 gallon per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   Pump Engine Cylinder
   APR 10 - 24

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   Aug 31 - 1960
   Finished Sept 2 - 1960

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 withdrawal of groundwater:
   Type: Drilled
   Size: 1-1/2
   Depth: 100'

10. The estimated amount of groundwater withdrawn each year: 132,000

11. The kind of formations encountered in the drilling of each well if available:
   10. Soil Layer Sandstone
   20. Sandstone
   16. Grey Sandstone

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: Matt Jaseleck
Date: Dec 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.

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)

Matt Jasheich

County of
State of

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

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner: Matt Jasheich
Date: Dec 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.

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.
Form No. 18  
8-60  

T. 10 R. 24  

County: Musselshell  

MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana  

STATE ENGINEER  

Water Well Log  

Owner: Matt Jacklich  
Address: Roundup, Montana  

Driller: Matt Jacklich  
Address: Roundup, Montana  

Date Started: Nov. 20, 1950  
Date Completed: Dec. 4, 1950  

Location: Sec. 10 T. 10 R. 24 1/2 sec. 3 7/8 quarters  

Type of well: Drilled  
Equipment used: Drill  

Water use: Domestic  
Municipal  
Stock  
Irrigation  

Industrial  
Drainage  
Other  

Casing: 1 ft. to 119 ft.  Type galvanized  Size 6  

Casing:  ft. to  ft.  Type  Size  

Casing:  ft. to  ft.  Type  Size  

Perforated or screened: Ft. 10 6 to Ft. 119  

Type of screen or perforations: galvanized 6" perforated  

Static water level, for non-flowing well: 47 feet  

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

Pumping water level: _______ feet at _______ gal. per min. 15  

How tested: Bailer Bucket  

Length of test:  

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>1 - 15</td>
<td>dirt</td>
</tr>
<tr>
<td>15 - 27</td>
<td>gray shale</td>
</tr>
<tr>
<td>27 - 31</td>
<td>rock</td>
</tr>
<tr>
<td>31 - 53</td>
<td>blue shale</td>
</tr>
<tr>
<td>53 - 60</td>
<td>rock</td>
</tr>
<tr>
<td>60 - 83</td>
<td>sandstone</td>
</tr>
<tr>
<td>83 - 100</td>
<td>yellow shale</td>
</tr>
<tr>
<td>100 - 110</td>
<td>rock</td>
</tr>
<tr>
<td>110 - 119</td>
<td>sand &amp; fine gravel</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)

GRAVES RANCH COMPANY
(Name of Appropriator)

COUNTY OF MONTANA
(State of)

T. 10 N. R. 24E
(County)

GRANITE RANCH
(Address)

STOCK WATER

2. The beneficial use on which the claim is based

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

JULY 1956

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

pump

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

JULY 1956

8. The depth of water table

30 ft.

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

120 ft.

10. The estimated amount of groundwater withdrawn each year

as needed for stock 1,555,200

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

unavailable drilled by WESTERN GEOFISICAL CO

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

GRAVES RANCH COMPANY
Signature of Owner

Date 7/25/63 President

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 State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Form No. 18

Montana Bureau of Mines and Geology
Butte, Montana

Water Well Log

Owner: Graves Ranch Company  Address: Roundup, Montana
Driller: Western Geophysical  Address: L.A. Calif.

Date Started: July 1956  Date Completed: Same

Location: Sec. 10 T. 10 R. 24 1/4 sec. SE1

Type of well: Drilled  Equipment used: Rotary

Water use: Domestic  Municipal  Stock  Irrigation

Industrial  Drainage  Other

Casing: 0 ft. to 140 ft. Type 20 Ga. Galv. Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. 60 to ft. 120. Ft. to ft.

Type of screen or perforations: 20 ga. Galv. Screen type

Static water level, for non-flowing well: feet.

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

Pumping water level: 90 feet at 6 gal. per min.

How tested: pump

Length of test: 24 hours.

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

Log was kept on this well.

(over)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Lawrence D. Stanley
   (Name of Administrator)

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

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

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. None

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

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

8. The depth of water table. 10 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 6 inch casing 60 feet 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. None

Signature of Owner: Lawrence D. Stanley

Date: 1-25-1963

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

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

William F. Harris, of Box 112 Roundup, Mont
(Name of Appropriator) (Address) (Town)
County of Musselshell, State of Mont

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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: None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1920

8. The depth of water table: 12 ft

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Untested 18 ft

10. The estimated amount of groundwater withdrawn each year: 21,600

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: William F. Harris
Date: Dec. 27, 1963

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

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

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

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

GRAVES RANCH CO.
of Boundry, Montana

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

1.

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based: Stockwater and sub-irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1900 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 miners inches

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: Surface

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: 100 miners inches

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:

GRAVES RANCH CO., By
Signature of Owner

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
MUSSELSHELL COUNTY

FILED THIS 30 DAY OF
Dec 23 1963
AT 4:50 C O C L O C K  P. M.

B. H. MATZKE
COUNTY RECORDER
FRED KOENIGS
DEPUTY
**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:** William Harris  
**Address:** Roundup, Mont.  
**File:** 165223

**Date well started:** Oct. 18, 1972  
**Date well completed:** Oct. 19, 1972

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

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

*Describe*  
**USE:** if used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other date (e.g. Lot, Block and Addition).

---

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>Feet From Elevation</th>
<th>To Elevation</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>20&quot;pf.</td>
<td>0</td>
<td>21</td>
<td>none</td>
</tr>
<tr>
<td>6 3/4&quot; plastic</td>
<td>0</td>
<td>117</td>
<td>85</td>
<td>shutoff</td>
</tr>
</tbody>
</table>

Static water level: 60 ft.*  
Pumping water level: 95 ft.*  
*Measured from ground level, well developed by *bailing* for 2 hours.

---

**STATIC WATER LEVEL**

---

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

**Each small square represents 40 acres.**

---

**Driller's Signature:**  
**Driller's Address:** Klein Star Ste.

---

**License No.:** 207  
**County:** Kisselshell

---

**Show exact depth of bottom**
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Graves Ranch Co.**

<table>
<thead>
<tr>
<th>(Name of Appropriator)</th>
</tr>
</thead>
<tbody>
<tr>
<td>of Roundup, Montana</td>
</tr>
</tbody>
</table>

**Address**

**Town**

**County**

**State**

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

1. **Beneficial Use**
   - Stockwater and irrigation
   - **Date or approximate date of earliest beneficial use:**
   - **How continuous the use has been:**

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

3. **Irrigation Use**
   - If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:

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

5. **Construction of Wells**
   - **Date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:**

6. **Water Table Depth**
   - **Depth of water table:**

7. **Specifications of Wells**
   - **Type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:**

8. **Estimated Annual Withdrawal**
   - **Estimated amount of groundwater withdrawn each year:**

9. **Log of Formations**
   - **The log of formations encountered in the drilling of each well if available:**

10. **County and Recorder Information**
    - **Reference to book and page of any county record:**

11. **Owner's Signature**
    - **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 to the Appropriator.*
**Declaration of Vested Groundwater Rights**  
(Under Chapter 237, Montana Session Laws, 1961)  

**GRAVES RANCH CO.**, of **Roundup, Montana**  
(Name of Appropriator)  
(Address)  
(Town)  

County of **Musselshell**  
State of **Montana**  

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

1. **Point of Appropriation**

   - **Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.**

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935

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

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: **Surface**

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: 561,600 gals.

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: **This water has been used for stockwater continuously since 1935.**

**GRAVES RANCH CO.**  
By **Signature of Owner**

Date **12/26/62**

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>MONTANA BUREAU OF MINES AND GEOLOGY</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Gordon Seamon</td>
</tr>
<tr>
<td>Date Started</td>
<td>Sep. 15, 1951</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Sep. 15, 1951</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 17, T. 10, R. 24</td>
</tr>
<tr>
<td>Casing</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Perforated</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Static Water level</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td></td>
</tr>
<tr>
<td>How tested</td>
<td>Balled</td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</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>Drilled</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Churn Drilled</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well:</th>
<th>Dug, driven, bored, or drilled</th>
<th>Churn Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used:</td>
<td>Drill, rotary, other</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>---------</td>
<td>-------------</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>Ft. to Ft.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static Water level: for non-flowing well:</td>
</tr>
<tr>
<td>Shut-in pressure: for flowing well:</td>
</tr>
<tr>
<td>Pumping water level:</td>
</tr>
<tr>
<td>How tested:</td>
</tr>
</tbody>
</table>

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

---

*Owner: Montana Branch Division*

*Address: Denver, Colorado*

*Driller: Gordon Seamon*

*Address: Butte, Montana*
NUTANA CATTLE COMPANY
FRONCHORN WATER WELL NO. 14 NW¼SW¼ Sec 17, T10 R24
DRILLED BY GORDON SCASMON, Roundup, Montana

0 - 30 Sandstone grey medium
30 - 40 Sandstone grey Hard
40-67 Sandstone soft, Water
67 - 80 Shale medium.

Total depth 80 feet. Water 25 ft. from top of ground.
Cave catcher set at 40 ft. no surface pipe.
Well bailed 35 gallons per minute. 80 feet 4½ inch
casing used. Well completed September 15, 1951
Slotted from 40 ft. to 67 ft.
Top of Ground

(Elv. above sea level)...

<table>
<thead>
<tr>
<th>Depth</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-2</td>
<td>Small amount of gravel &amp; sand in brown sandy clay. Grass roots at top.</td>
</tr>
<tr>
<td>2-8</td>
<td>Small gravel in clay.</td>
</tr>
<tr>
<td>8-12</td>
<td>Soft fine silted sand. Greenish brown.</td>
</tr>
<tr>
<td>30-75</td>
<td>Green sandy shale.</td>
</tr>
<tr>
<td>75-100</td>
<td>Dark grey shale with thin layers of bright blue sandy shale.</td>
</tr>
<tr>
<td>100-107</td>
<td>Light grey-blue sandy shale.</td>
</tr>
<tr>
<td>107-118</td>
<td>Pale grey shale. Very sandy.</td>
</tr>
<tr>
<td>118-121</td>
<td>Some lignite showing in samples.</td>
</tr>
<tr>
<td>121-128</td>
<td>Shale, becoming darker grey.</td>
</tr>
<tr>
<td>128-130</td>
<td>Light grey sandy shale. Bentonitic.</td>
</tr>
<tr>
<td>130-154</td>
<td>Tan, watery line. Hard, brittle. Small amount of water.</td>
</tr>
<tr>
<td>154-179</td>
<td>Light grey shale with little blue-green sand chunks. Small amount of soft lignite in samples.</td>
</tr>
<tr>
<td>179-194</td>
<td>Soft lignite and shale.</td>
</tr>
<tr>
<td>195-200</td>
<td>Grey sandy shale.</td>
</tr>
<tr>
<td>200-202</td>
<td>Hard gray shale.</td>
</tr>
<tr>
<td>202-204</td>
<td>Lignite showing in sample.</td>
</tr>
<tr>
<td>204-208</td>
<td>Light grey sandy shale.</td>
</tr>
<tr>
<td>208-212</td>
<td>Dark grey sandy shale (or possibly lignite).</td>
</tr>
<tr>
<td>214-215</td>
<td>Slightly sandy shale.</td>
</tr>
<tr>
<td>230-239</td>
<td>-- Bottom</td>
</tr>
</tbody>
</table>

Show exact depth of bottom.

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of unroofed, cement platform)</th>
</tr>
</thead>
</table>

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

Shut-in Pressure for flowing well... feet.

Pumping Water Level... feet.

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

Flow Tested... 4 hours.

Length of Test... 4 hours.

Remarks: (Gravel packing, cementing, packers, type of unroofed, cement platform)...

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

Indicate depth of bottom...

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

Driller's License Number...

Driller's Signature...

53006
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

WYOMING LIVESTOCK COMPANY of 220, Box 383, Bozeman, Montana
(Name of Appropriator)
(Address)
(Town)

County of Gallatin
State of Montana

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

1. 

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

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

   - Before 1947
   - Continuous

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

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:

   Cased to 80' 95' Deep

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 purpose of this act, including reference to book and page of any county record:

   Signature of Owner
   
   Partner

   Date 12-20-63

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. William F. Harris
   (Name of Appropriator)
   of Box 117, Roundup, Mont.
   (Address)
   County of Musselshell
   (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.
   
4. The amount of groundwater claimed, (in miner's inches or gallons per minute).
   
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
   
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
   
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   
8. The depth of water table.
   
9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   
10. The estimated amount of groundwater withdrawn each year.
   
11. The log of formations encountered in the drilling of each well if available.
   
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record.
   
Signature of Owner: William F. Harris
Date: Dec. 7, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
STATE OF MONTANA, 

MUSSELSHELL COUNTY.

FILED THIS

9L13. F.,

B. H. MAZUK

COUNCILMAN

STATE OF MONTANA

MUSSELSHELL COUNTY

FILLED THIS

DEPUTY
Form No. 18  
8-60

<table>
<thead>
<tr>
<th>Owner: William J. Harris</th>
<th>Address: Box 112, Anaconda</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller:</td>
<td></td>
</tr>
<tr>
<td>Date Started:</td>
<td>Date Completed: 1960</td>
</tr>
<tr>
<td>Location: Sec. 24, T. 10, R. 24 1/2 sec. N.W.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well: Drilled</th>
<th>Equipment used: Rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td></td>
</tr>
<tr>
<td>Domestic</td>
<td>Municip</td>
</tr>
<tr>
<td>Industrial</td>
<td>Drainage</td>
</tr>
<tr>
<td>Casing: 0 ft. to 90 ft.</td>
<td>Type</td>
</tr>
<tr>
<td>Casing: __ ft. to __ ft.</td>
<td>Type</td>
</tr>
<tr>
<td>Casing: __ ft. to __ ft.</td>
<td>Type</td>
</tr>
<tr>
<td>Perforated or screened: Ft. 25 to ft. 90</td>
<td>Ft. ___ to ft. ___</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static water level, for non-flowing well: 10 feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well: ___ lb./sq. in. on: (psi)</td>
</tr>
<tr>
<td>Pumping water level 60 feet at ___ gal. per min.</td>
</tr>
<tr>
<td>How tested:</td>
</tr>
<tr>
<td>Length of test:</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</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.

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

---

**Owner** | William Harris
---|---
**Address** | Box 113
**Roundup, Montana 59072**
**Date well started** | Dec. 26, 1972
**Date well completed** | Dec. 27, 1972

**Type of well** | Drilled

**Equipment used** | Rotary

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

**Describe**

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

---

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>30</td>
</tr>
<tr>
<td>30</td>
<td>40</td>
</tr>
<tr>
<td>40</td>
<td>50</td>
</tr>
<tr>
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<tr>
<td>105</td>
<td>110</td>
</tr>
<tr>
<td>110</td>
<td>115</td>
</tr>
</tbody>
</table>

---

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Kind of Hole</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Slotted</td>
<td>65</td>
<td>85</td>
</tr>
<tr>
<td>Slotted</td>
<td>25</td>
<td>60</td>
</tr>
</tbody>
</table>

**Static water level** | 30 ft.*
**Pumping water level** | 75 ft.*

*Measured from ground level.

---

**Power** | 1 HP
**Pumps** | 1

---

**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.**

---

**Driller's Signature**

---

**Driller's Address** | 115 Main St. Roundup, Mont. 59072
**LICENSE NO.** | 207

---

**Show exact depth of bottom** 115
### Declaration of Vested Groundwater Rights

**(Under Chapter 237, Montana Session Laws, 1961)**

1. **GRAVES RANCH CO.**, of **Roundup, Montana**
   - (Name of Appropriator)
   - (Address)
   - (Town)

   **County of Montana**
   - (County)
   - State of Montana

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

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

2. The beneficial use on which the claim is based: **Stock watering and irrigation**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1890 continuous**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **160 miner's inches**

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:
   - **Sec 23, T 11 N R 26 E**
   - **GRAVES RANCH CO., BLM, STATE HIGH 35-1-36 T 11 S 26 E 150 acres**

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

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

8. The depth of water table:

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: **750 miner's inches**

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:
   - **This water has been used for stock watering and sub-irrigation continuously since the land has been in private ownership.**

**Signature of Owner**

**President**

**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.