Map of completed water development: Indicate clearly the point of diversion, place of use, section number, township and range number.

Township 11 North Range 24 E M.D.M.

Scale: 2 inches equal 1 mile

20. THE APPROPRIATOR OR PERMIT HOLDER CERTIFIES THAT THE STATEMENTS APPEARING HEREIN ARE TO THE BEST OF HIS KNOWLEDGE TRUE AND CORRECT.

Graves Ranch Company

By: [Signature]  November 12, 1973

Signature of Appropriator or Permit Holder  Date

President of the Corporation
DEPARTMENT ENDORSEMENTS
(This section is not to be filled in by Appropriator or Permit Holder)

CHECK WHEN COMPLETED

ACTION TAKEN

1. ✓ Received by mail over counter in Department's office by

2. ✓ Date received: Day ___ Month November Year 1923 Time 11:07 a.m.

3. Recorded in: Book ___ Page ___ By

4. Preliminary check by ___; Amt. of Fee received $2500.00

5. Receipt No. ___; Remarks ___

6. Indexed by ___; Platted by ___

7. Examined by ___; Date ___

8. Returned for completion on ___; or corrected by office on ___

9. Date to be returned by Appropriator or Permit Holder ___

10. Date corrected form resubmitted to Department's office ___

11. Form field checked by ___; Date ___

12. Microfilmed by ___; Date ___

13. Roll No. ___

14. Certificate of Water Right number issued according to this form ___

15. Certificate of Water Right not issued at this time for the following reasons: ___

REMARKS
(for Department Use Only)

See attached correspondence.
MONTANA BUREAU OF MINES AND GEOLOGY

WATER WELL LOG

STATE ENGINEER

Owner: Graves Ranch Company  Address: Roundup, Montana
Driller: Siles Drilling Co.  Address: Miles City, Mont.
Date Started: March 12, 1961  Date Completed: Same
Location: Sec. 20, T. 11N., R. 24E, § 4 sec. 36A

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing:</td>
<td>0 ft. to 160 ft.</td>
<td>Type 20 ft.</td>
<td>Size 6&quot; 5&quot;</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: Ft. 130 to ft. 160</td>
<td>Ft. to ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations: in holes</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well: 90 feet</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well: lb./sq. in.: (date)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level: 130 feet at 12 gal. per min.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested: Pump</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test: in. hours</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></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</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>75</td>
</tr>
<tr>
<td>75</td>
<td>136</td>
</tr>
<tr>
<td>136</td>
<td>138</td>
</tr>
<tr>
<td>138</td>
<td>146</td>
</tr>
<tr>
<td>146</td>
<td>160</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Graves Ranch Company
Driller: Eugene Rice

Date Started: July 8, 1960
Date Completed: Same

Type of well: Drilled
Equipment used: Rotary

Water use: Stock

Casing: 0 ft. to 60 ft.
Perforated or Screened: 30 ft. to 60 ft.
Type of screen or perforations: 1" holes

Static Water level, for non-flowing well: 25 feet.
Shut-in pressure, for flowing well: 10 lb./sq. in. on: (date)
Pumping water level: 40 feet at 22 gal. per min.

How tested: Pump
Length of test: 24 hours

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

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>35</td>
</tr>
<tr>
<td>35</td>
<td>45</td>
</tr>
<tr>
<td>45</td>
<td>60</td>
</tr>
</tbody>
</table>
Form No. 18
8-60

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

**STATE ENGINEER**

---

### Water Well Log

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner's Name</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Driller's Name</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Sec. __ T. __ R. __</td>
</tr>
</tbody>
</table>

**Type of well**  
- Drilled

**Equipment used**  
- (Shale, drill, rotary, etc.)

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

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

**Perforated or screened**  
- __ ft. to __ ft. __ ft. to __ ft.

**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:** __ hours

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

---

(over)
<table>
<thead>
<tr>
<th>Depth</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>6</td>
<td>Surface</td>
</tr>
<tr>
<td></td>
<td>6</td>
<td>540</td>
<td>Hard grey sandstone with red layers</td>
</tr>
<tr>
<td>Form No. 18</td>
<td>Water Well Log</td>
<td></td>
<td></td>
</tr>
<tr>
<td>-------------</td>
<td>----------------</td>
<td></td>
<td></td>
</tr>
<tr>
<td>T. 11</td>
<td>R. 26</td>
<td></td>
<td></td>
</tr>
<tr>
<td>County</td>
<td>Musselshell</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MONTANA BUREAU OF MINES AND GEOLOGY</td>
<td>Butte, Montana</td>
<td></td>
<td></td>
</tr>
<tr>
<td>State Engineer</td>
<td>RECEIVED</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Owner: Graves Ranch Company  
Address: Roundup, Montana

Driller: Unknown  
Address: 

Date Started: Unknown  
Date Completed: 

Location: Sec. 28  
T. 11  
R. 26  

Type of well: Drilled  
Equipment used: Unknown

Water use: Domestic  
Municipal  
Stock  
Irrigation

Industrial  
Drainage  
Other

Casing: unknown ft. to ft.  
Type  
Size

Casing: ft. to ft.  
Type  
Size

Casing: ft. to ft.  
Type  
Size

Perforated or screened: Ft. to Ft.  
Ft. to Ft.

Type of screen or perforations: 
Static water level, for non-flowing well: 35 feet.

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

Pumping water level: 60 feet at 8 gal. per min.

How tested: pump

Length of test: 1 hour

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

This well was drilled about 1920 and there is no log available.  

(over)
**Form No. 18**

8-60

T. 11 R. 24

County Musselshell

**MONTANA BUREAU OF MINES AND GEOLOGY**

Butte, Montana

**Water Well Log**

**State Engineer**

**Owner** Graves Ranch Company **Address** Roundup, Mont.

Driller: Eastern Geological Co **Address** R. A. Calif.

Date Started: August 6, 1956 **Date Completed** same

Location: Sec. 22 T. 11 R. 24 1/4 sec. S

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

(Bohr, driven, bored, or drilled) (Shurp, drill, rotary, other)

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

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

Casing: 0 ft. to 120 ft. **Type** 20 Ga. Galv. **Size** 5"

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

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

Perforated or Screened: Ft. 55 to Ft. 100 Ft. to Ft.

Type of screen or perforations 1/4" holes

Static water level, for non-flowing well: 35 feet.

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

Pumping water level 110 feet at 2½ gal. per min.

How tested: pump

Length of test 1 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</td>
<td>yellow clay</td>
</tr>
<tr>
<td>20</td>
<td>dark shale</td>
</tr>
<tr>
<td>60</td>
<td>dark sandstone</td>
</tr>
<tr>
<td>70 - 130</td>
<td>dark shale</td>
</tr>
</tbody>
</table>
Form No. 18

Butte, Montana

<table>
<thead>
<tr>
<th>Type of well Drilled</th>
<th>Equipment used</th>
<th>Churn</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<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>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial</td>
<td>Drainage</td>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 100 ft.</th>
<th>Type:</th>
<th>20 Ga.</th>
<th>Galv.</th>
<th>Size: 6&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
<td>Type:</td>
<td>Size</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or screened:</th>
<th>Ft. 40 to ft. 100</th>
<th>Ft. to ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of screen or perforations:</td>
<td>1/4&quot; holes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static water level, for non-flowing well:</th>
<th>30 feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
</tr>
<tr>
<td>------------------------------------------</td>
<td>---------</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>90 feet at 10 gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>How tested:</td>
<td>bailer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>1 hour</th>
</tr>
</thead>
<tbody>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>0 to 35</td>
<td>yellow clay</td>
</tr>
<tr>
<td>35 to 100</td>
<td>yellow sandstone &amp; clay</td>
</tr>
</tbody>
</table>
Form No. 18  
8-60

T. 11  R. 24

County Russell

MONTANA BUREAU OF MINES AND GEOLOGY

Butte, Montana

Water Well Log

STATE ENGINEER

Owner: Graves Ranch Company  
Address: Roundup, Mont.

Driller: Matt Jacheck  
Address: Roundup, Mont.

Date Started: September 1952  
Date Completed: same

Location: Sec. 28 T. 11 R. 24 1/4 sec. SW1/4

Type of well: Drilled  
Equipment used: Churn

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

Industrial [ ]  
Drainage [ ]  
Other [ ]

Casing: 0 ft. to 135 ft.  Type: 20 ga. Galv.  Size: 6"

Casing: 135 ft. to ____  Type:  ____ Size:  ____

Casing: ____ ft. to ____  Type:  ____ Size:  ____

Perforated or screened: Ft. 60 to ft. 100. Ft. ____ to ft. 

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

Static water level, for non-flowing well: 35 feet.

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

Pumping water level: 130 feet at 1/2 gal. per min.

How tested: bailer

Length of test: 1 hour

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>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>60</td>
<td>70</td>
</tr>
<tr>
<td>70</td>
<td>135</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, 1962)

GRAVES RANCH COMPANY, of ROUNDUP, MONTANA

County of MISSOURI, State of MONTANA

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

1. Name of Appropriator
2. The beneficial use on which the claim is based: watering stock
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Aug 2, 1956
4. The amount of groundwater claimed (in, miner's inches or gallons per minute): 24 gal per min on pump
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: Aug 4, 1956
8. The depth of water table: 35 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: Depth 120 ft
10. The estimated amount of groundwater withdrawn each year: AS needed for stock: 6,481,000
11. The log of formations encountered in the drilling of each well if available: 0 to 20 ft yellow clay; 20 to 60 ft dark shale; 60 to 70 ft dark sandstone; 70 to 120 ft dark shale
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

GRAVES RANCH COMPANY

Signature of Owner WALTER B. GRAVES

Date President 9/2/1963

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.
### NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

**Developed after January 1, 1962**

(Under Chapter 227 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**

Graves Ranch

**Address**

Roundup, Montana

**Date well started**

5-19-70

**Date well completed**

5-28-70

**Type of well**

drilled

**Equipment used**

Churn 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 (i.e. Lot, Block and Addition).

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Type and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>92</td>
<td>6x11†</td>
<td>0</td>
<td>9</td>
<td>4 holes</td>
</tr>
<tr>
<td>7</td>
<td>6x12†</td>
<td>0</td>
<td>20</td>
<td>10 holes</td>
</tr>
<tr>
<td>6</td>
<td>Plastic</td>
<td>0</td>
<td>110</td>
<td>100 holes</td>
</tr>
</tbody>
</table>

**Static water level**

18 ft.

**Pumping water level**

5 ft.

**Well developed by**

Ballir

**Power Pump HP**

3

**Remarks**

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

Both 6x11 casing cemented

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

Driller's Signature: Joe Kostal

Driller's Address: Box 878, Roundup, Mont.

LICENSE NO. 95
**Declaration of Vested Groundwater Rights**
(Under Chapter 237, Montana Session Laws, 1961)

**GRAVES RANCH COMPANY**, of **ROUNDUP**

<table>
<thead>
<tr>
<th>County of</th>
<th>State of</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUSSELHELL</td>
<td>MONTANA</td>
</tr>
</tbody>
</table>

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

1. **GRANGES RANCH COMPANY**
   - Name of Appropriator
   - **ROUNDUP**
   - Town
   - **MUSSELHELL**
   - County
   - **MONTANA**

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: Continuous as needed for livestock
   - September 1952

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - SEPTEMBER 1952

8. The depth of water table: 130 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: unknown

10. The estimated amount of groundwater withdrawn each year: as-needed-for-stock 388,600 gals

11. The log of formations encountered in the drilling of each well if available:
   - 0 to 20 ft yellow clay
   - 20 to 60 ft dark shale
   - 60 to 70 ft dark sandstone
   - 70 to 135 ft dark shale

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:

*Recorded previously # 7642*

**GRAVES RANCH COMPANY**

Signature of Owner: 

Date: 7/23/63

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

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

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

STATE ENGINEER

GRAVES RANCH COMPANY

(Name of Appropriator) (Address) (Town)

County of MUSSELHELL 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
   - unknown

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

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

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
   - unknown

8. The depth of water table
   - 35 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
   - 110 ft

10. The estimated amount of groundwater withdrawn each year
    - as needed for stock 993,600

11. The log of formations encountered in the drilling of each well if available
    - unavailable — well drilled about 1920

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 9/23/63

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.
<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Started</td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 19 R. 24 1/2 sec. SKA</td>
</tr>
<tr>
<td>Type of well</td>
<td></td>
</tr>
<tr>
<td>Equipment used</td>
<td></td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic, Stock, Irrigation</td>
</tr>
<tr>
<td>Casing</td>
<td>0 ft. to 126 ft. Type 20ga. Galv. Size 5&quot;</td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>60 ft. to 110 ft. 90 ft. to 110 ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
</tr>
<tr>
<td>Static water level, for non-flowing well</td>
<td>65 feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>18 lb./sq. in. on: (date)</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>90 feet at 8 gal. per min.</td>
</tr>
<tr>
<td>How tested</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td>1 hour</td>
</tr>
<tr>
<td>Remarks</td>
<td></td>
</tr>
</tbody>
</table>

This was an old well that was deepened October 20, 1961
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 - 110</td>
<td>grey sandstone</td>
</tr>
<tr>
<td>110 - 126</td>
<td>dark shale</td>
</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner:** Jay C. & Cleon B. Graves  
**Address:** Roundup, Mont.

**Driller:** Petty-Geophi-Cusal Co.  
**Address:** Roundup, Montana

**Date Started:** 9-3-57  
**Date Completed:** 9-3-57

**Location:** Sec. 36 T. 11 R. 24 M. 4 sec. SW 1/4 NW 1/4

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft to.</th>
<th>Type:</th>
<th>Size:</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>25</td>
<td>Steel Tubing</td>
<td>2&quot;</td>
</tr>
</tbody>
</table>

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

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

Type of screen or perforations: **Casing was set on top of Artesian flow**

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

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

**Flow:** __________ gal. per min.

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

**How tested:**

<table>
<thead>
<tr>
<th>Length of test</th>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td><strong>Casing is cemented in on top of Artesian flow and a valve is attached to the casing at the surface.</strong></td>
</tr>
</tbody>
</table>

---

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Except for a few feet of red material on the surface</td>
</tr>
<tr>
<td></td>
<td>The balance of the well is a grey sandstone.</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>3</td>
<td>JUROON, DAVID</td>
</tr>
<tr>
<td>4</td>
<td>MANG, M. C.</td>
</tr>
<tr>
<td>7</td>
<td>JUROON, ANDREW</td>
</tr>
<tr>
<td>8</td>
<td>MANG, M. C.</td>
</tr>
<tr>
<td>9</td>
<td>ZUMPFHORN, EMIL</td>
</tr>
<tr>
<td>21</td>
<td>U.S. Bureau of</td>
</tr>
<tr>
<td></td>
<td>Fish and Wildlife</td>
</tr>
<tr>
<td></td>
<td>Fish and Wildlife</td>
</tr>
<tr>
<td>25</td>
<td>JOHNSON BROTHERS</td>
</tr>
<tr>
<td>29</td>
<td>&quot;</td>
</tr>
<tr>
<td>30</td>
<td>GRAUMER RANCH CO.</td>
</tr>
<tr>
<td>31</td>
<td>&quot;</td>
</tr>
<tr>
<td>33</td>
<td>JOHNSON BROTHERS</td>
</tr>
<tr>
<td>36</td>
<td>&quot;</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 207 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 7/1/58
Owner: David Johnson
Address: North State Rd, Great Falls

Contractor (if any): ________________
Address of Contractor: ________________
Date Started: 7/20/58
Date Completed: 7/1/58

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

by means of excavation, i.e. depth of 5 feet

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

produces at 20 gal. per min.

Signature of Owner: David Johnson
Date: Jan. 15, 1965

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA
MUSELSHELL COUNTY

FILED THIS 15 DAY OF
JANUARY A.D. 1963
AT 1:15 O'LOCK PM

CLAUDE F. FLETCHER
COUNTY RECORDER

[Signature]
DEPUTY
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: About 1900 and before

Owner: M. C. Mang
Address: Roundup, Montana

Contractor (if any): None
Address of Contractor: None

Date Started: Unknown
Date Completed: About 1900

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. **There is a natural gravity flow of the water from one end of the spring and water is also pumped from the spring which pumped water flows in a different direction than the gravity flow stream. The water in the spring is approximately 6' deep, and the spring is lined with steel tractor rims.**

Quantity of water developed and used with explanation of method used to measure or estimated amount: Sufficient for watering from 80 to 100 head of cattle and other livestock the year around.

NE 1/4 NW 1/4 Sec. 4 T. 11 N. R. 25
Indicate point of appropriation and place of use, if possible.

Signature of Owner: M. C. Mang
Date: December 30, 1963

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

Gerald M. Vixland

1. Name of Appropriator: Gerald M. Vixland
   Address: [Address]
   Town: [Town]
   County: [County]
   State of Montana

I, Gerald M. Vixland, 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), [Amount].

5. S.E. 1/4 SE. 1/4 NW. 1/4, [Section].

Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:

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

7. The depth of water table:

8. 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:

9. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner: Gerald M. Vixland
Date: 12/31/62

[Handwritten notes and signatures]
WATER WELL LOG

Owner: M. C. Mang
Address: Roundup

Driller: 
Address: 

Date Started: June 1932
Date Completed: June 1932

Location: Sec. 5 T. 11 R. 25 1/4 sec. 8

Type of well: Dug
Equipment used: Pick & shovel

Water use: Domestic ☑ Municipal ☐ Stock ☑ Irrigation ☐

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Casing: ft. to ft. Type Size

Perforated or Screened: Ft. to Ft. Type Size

Type of screen or perforations:

Static Water level, for non-flowing well: 10 feet

Shut-in pressure, for flowing well: 

Pumping water level: 10 feet at 20 gal. per min.

How tested: Centrifugal Pump

Length of test: 27 years

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 - 16</td>
<td>gravel</td>
</tr>
</tbody>
</table>
# Notice of Completion of Groundwater Appropriation by Means of Well

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

**Date of Notice of Appropriation of Groundwater:** 1921

**Date Well Started:** 1919  **Date Completed:** 1921

**Type of Well:** Drilled

**Equipment Used:** Cable Tools

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

---

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing (Ft.)</th>
<th>Depth From (Ft.)</th>
<th>To (Ft.)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>15 1/2&quot;</td>
<td>1-8</td>
<td>600</td>
<td></td>
<td></td>
</tr>
<tr>
<td>12 1/2&quot;</td>
<td>600</td>
<td>1250</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>1250</td>
<td>2150</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Static Water Level for Non-flowing Well: Not Known**

**Shut-in Pressure for Flowing Well: Not Known**

**Pumping Water Level:** Not Known

**Discharge in gal. per min. of flowing well:** 2.4 gal per min.

**How Tested:** Flow Test

**Length of Test:** 24 hrs.

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

---

**Driller's License Number:** Deceased

**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.
**Notice of Completion of Groundwater Appropriation by Measoom**

(Under Chapter 237, Montana Session Laws, 1961)

Owner:  
Address:  
Date of Notice of Appropriation of Groundwater:  
Date well started:  
Date completed:  
Type of well:  
Equipment used:  
Water Use: Domestic □ Municipal □ Other □ Irrigation □  
Industrial □ Dewatering □ Stock □  
Well strata met with:  
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>Site of Drilled Hole</th>
<th>Size and Weight of Chimes</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<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:  feet at  gal. per minute.  
Discharge in gal. per min. of flowing well:  
How Tested:  
Length of Test:  
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation):  

![Diagram of well location and strata](image)

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

Show exact depth of bottom:  

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the 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. Johnson Bros
   (Name of Appropriator)
   of
   (Address)

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
   August 1961

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Completed August 1961

8. The depth of water table
   30 Feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   4 inch casing 90 ft. deep

10. The estimated amount of groundwater withdrawn each year
    200 head

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

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

Signature of Owner

Date

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

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

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

1. Johnson Bros., of Roundup, 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: May 1961

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 4-11-61 Finished 4-29-61

8. The depth of water table: 100 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: Deep 6 inch steel casing 215 ft

10. The estimated amount of groundwater withdrawn each year: 200 head

11. The log of formations encountered in the drilling of each well if available: Clay & 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: Johnson Bros. by Paul Johnson
Date: 12-26-63

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

Date of Appropriation of Groundwater: Natural Flow
Owner: Johnson Bros
Address: Roundup
Contractor (if any): None
Address of Contractor: N.A.
Date Started: Date Completed: 
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

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

W

E

SE
.

Approximately four gallons at a minute used intermittently 12 month
A year

Signature of Owner: Johnson Bros
Date: 2-2-63

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Graves Mining Company</td>
</tr>
<tr>
<td>Address</td>
<td>Drummond, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>BYU Minerals</td>
</tr>
<tr>
<td>Date Started</td>
<td>1951</td>
</tr>
<tr>
<td>Date Completed</td>
<td>1951</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 20 T. 22 R. 25 1/4 sec. 402</td>
</tr>
<tr>
<td>Type of well</td>
<td>(drill, driven or drilled)</td>
</tr>
<tr>
<td>Equipment used</td>
<td>(drill, drill, rotary, other)</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Industrial</td>
<td>Drainage</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Perforated or screened:</td>
<td>Ft. to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
</tr>
<tr>
<td>Static water level, for non-flowing well:</td>
<td>feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
</tr>
<tr>
<td>Flowing gallons per minute on August 1st, 1950</td>
<td>(gallons)</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>feet at</td>
</tr>
<tr>
<td>How tested</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

This is an old test hole drilled in 1951 and no log is available.

The well had caved-in at the 630 foot level and was cleared out
by the wellsman & Benson Drilling Company in August of 1960. It
that time 2 inch pipe was set at the 420 foot level, total depth of
the well was 830 feet.

(over)
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Date: December 1957

Water Well Log

Owner: Grove Ranch Company
Address: Roundup, Montana

Driller: Gordon Nodina
Address: Roundup, Montana

Date Started: December 1957
Date Completed: Same

Location: Sec. 31 T. 11 R. 25 1/2 sec. 7A

Type of well: Drilled
Equipment used: Shur-Flo (Shur, drill, rotary, other)

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

Casing: n ft. to 60 ft. Type: Steel tubing Size: 2 2/8"
Casing: _____ ft. to _____ ft. Type: Size:
Casing: _____ ft. to _____ ft. Type: Size:

Perforated or screened: Ft. _____ to Ft. _____ Ft. _____ to Ft. _____

Type of screen or perforations:

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

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

 Flowing 1/2 gallons per minute December 1957

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)

Casing was cemented in at 30' level

(over)
<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
<td>To 60</td>
</tr>
<tr>
<td></td>
<td>Gray sandstone</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 337 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1963

Owner: Johnson Bros
Address: Roundup

Contractor (If any) SELF
Address of Contractor

Date Started: Oct 1963, Date Completed: Oct 1963

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

Excavated to a depth of 5 Feet with a flow of water of 2 1/2 or 3 gallons a minute

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

2 1/2 or 3 gallons a minute used intermittently 12 months a year

Signature of Owner: Johnson Bros

Date: 12-22-63

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

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

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

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

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

County of Musselshell  
State of MT  

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

1. Johnson Bros., of Roundup (Name of Appropriator)  
   (Address)  
   County of Musselshell  
   State of MT  

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: 1953 (approx.)  
   6 months per year  

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1953  

8. The depth of water table: 100 ft  

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 6 inch hole 200 ft deep  

10. The estimated amount of groundwater withdrawn each year: 200 gph  

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: Johnson Bros.  
By Paul Johnson  
Date: 12-25-63  

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.
### Groundwater Index

**County:** Muscatine  
**Twp.:** 11N  
**Rge.:** 26E

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State of Montana
Administrator of groundwater Code
Office of State Engineer

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

Harold O. Eriksen, of Roundup...
(Name of Appropriator)
County of Musselshell, State of Montana...
(Town)

We, the undersigned, County

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

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

livestock, Ranch, Headquarters...

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)... gallons... min.

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

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

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

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 court record...

Signature of Owner...
Date...

T. M. R. 24...
County Musselshell...
State of Montana
Administrator of groundwater Code
Office of State Engineer

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

1. Harold C. Eliason, of Roundup, 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: Livestock Ranch Headquarters.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1956.

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

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

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

7. The date of commencement and completion of the construction of the well, wall, or other works for withdrawal of ground water: 1956. Completion of well and pumping unit.

8. The depth of water table: 41.0 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: Electric pump, 250 feet pipe, closed completely.

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

11. The log of formations encountered in the drilling of each well if available: Clay, Sandstone, Gravel, Sand.

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 court record.

Signature of Owner: Harold Eliason
Date: Dec. 30, 1963

20487
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

Contractor (if any)

Address of Contractor

Date Started

Date Completed

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

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

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws 1961)

1. [Name of Appropriator] at [Address] in [County] of [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: [Beneficial Use].

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. Sec. 1. 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. Sec. 2. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: [Means of Withdrawal].

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of ground water: [Dates].

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: [Logs].

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 count record: [Information].

Signature of Owner: [Signature]
Date: [Date]