Form No. 18

T. 7N R. 26E
County,t. Musselshell

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner: John Owen
Address: Dancing

Driller: Roy Street
Address: Standing

Date Started: 10-30-61
Date Completed: 11-7-61

Location: Sec. 20 T. 7N R. 26E 
sec. SW1/4

Type of well: Drilled
Equipment used: Churn

(Churn, drill, rotary, other)

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

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 of Screen or Perforations: Feet Dates

Static water level, for non-flowing well:

Shut-in pressure, for flowing well:

Pumping water level feet at gal. per min.

How tested: Rail-tested at legal per min.

Length of test: 30 min.

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

Gravel packed around outside of casing to keep soft dirt from falling in.

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.18</td>
<td>Sandy clay</td>
</tr>
<tr>
<td>18.19</td>
<td>Sand rock</td>
</tr>
<tr>
<td>19.36</td>
<td>Soft sand</td>
</tr>
<tr>
<td>36.38</td>
<td>Hard, thin, shale rock</td>
</tr>
<tr>
<td>38.43</td>
<td>Gravel, sand, rock - Water zoned gravel</td>
</tr>
<tr>
<td>43.50</td>
<td>Soft blue sand</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner: Callister, Lillie M.
Address: Box 260, Billings, Mont., 59103
Date well started: Nov. 15, 1972
Date well completed: Nov. 16, 1972

Type of well: Drilled
Equipment used: Rotary
Water Use: Domestic [ ] Municipal [ ] Industrial [ ] Drainage [ ] Other [ ]

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 3/4</td>
<td>Plastic</td>
<td>95</td>
<td>90</td>
<td>slotted</td>
</tr>
</tbody>
</table>

Static water level: 50 ft. Pumping water level: 75 ft. at 100 gallons per minute, measured _______ minutes after pumping began.

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

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

Driller's Signature
Driller's Address: Roundup, Mont. 59072

LICENSE NO... 269

Top of Ground (Elev. above sea level) | From (Feet) | To (Feet) |
--- | --- | --- |
0 | 100 topsoil |
10 | 35 brown sandstone |
50 | 56 blue shale w/sand strike |
58 | 73 blue shale w/sand strike (60ft) |
75 | 76 sand |
76 | 79 sand & bentonite |
79 | 95 blue shale |

County: Musselshell

Show exact depth of bottom
STATE OF MONTANA,  
MUSSELHELL COUNTY. 

FILED THIS ______________DAY OF  

June A.D. 1923  

AT 3:45 O'CLOCK P.M.  

CLAUDE F. FLETCHER  
CITY RECORDER. 

Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
JUN 1 1973
RECEIVED
STATE OF MONTANA
RE O LE V
ADMINISTRATOR OF GROUNDWATER CODE
DEVELOPED AFTER JANUARY 1, 1962
(UNDER CHAPTER 237 MONTANA SESSION LAWS, 1961, AS AMENDED)

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Owner: A. W. COBINE
Address: BILLINGS, MONT
DATE WELL STARTED: 8-19-72
DATE WELL COMPLETED: 8-21-72

TYPE OF WELL: DUG

EQUIPMENT USED: CHAIN DRILL

WATER USE: DOMESTIC

ESTIMATED ANNUAL WITHDRAWAL:

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: J. A. RAIZER

Driller's Address: 132723 N. 193.443

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Top of Ground</th>
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<tbody>
<tr>
<td>0.12</td>
<td>Blue Clay</td>
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<tr>
<td>12.90</td>
<td>Blue Sandstone</td>
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<tr>
<td>14.00</td>
<td>Blue Sandstone</td>
</tr>
<tr>
<td>15.00</td>
<td>Blue Sandstone</td>
</tr>
</tbody>
</table>

Static water level: 17.0 ft.
Pumping water level: 140.0 ft.

at 72 gallons per minute measured 10 minutes after pumping began.

*Measured from ground level, well developed by RAIZER for 48 hours.

Power: NA, Pump: NA, HP: NA

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

To: E. L. W. W

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

Driller's Signature: J. A. RAIZER

Driller's Address: 132723 N. 193.443

License No. 197
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

CLARENCE E. MILLER

Name of Appropriate

Roundup

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. Name of Appropriate

Roundup

Address

Town

2. The beneficial use on which the claim is based: Springs, irrigation and stockwater, domestic use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1948, continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1000 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: 100 acres in Section 17, Township 7 North, Range 26, lying east of highway 87, owner: Clarence E. Miller.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Natural flowing springs and jet pump for irrigation.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Used water for irrigation since 1948. Stockwater use was prior from 1900.

8. The depth of water table: Ground level, springs flow naturally.

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: All three springs flow naturally in Half Breed Creek and water is pumped out for irrigation by jet pump.

10. The estimated amount of groundwater withdrawn each year: 1000 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.

Signature of Owner: CLARENCE E. MILLER

Date: December 18, 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.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Clarence E. Miller
   (Name of Appropriator)
   of
   Roundup
   (Address)
   (Town)

County of Russell
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: 1955; 6 to 8 months each year

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20 gal. per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1955

8. The depth of water table: 40 ft.

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

   6 in. casing well; 50 ft. deep

10. The estimated amount of groundwater withdrawn each year: 20,000 gal.

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: Clarence E. Miller
   Date: 12-19-63

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: Not Available
Owner: Owner's Name
Address: Location
Contractor (if any): Not Available
Address of Contractor: Not Available
Date Started: Not Available
Date Completed: Not Available

Describe means of obtaining groundwater 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.

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

Signature of Owner: Owner's Signature
Date: Date

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, MUSSELSHEIL COUNTY.

FILED THIS 7TH DAY OF DECEMBER A. D. 1865 AT 3:51 O'CLOCK P.M.

B. H. MAIZER
COUNTY RECORDER

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

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

(State of Montana)

Declaration of Vested Groundwater Rights

1. (Name of Appropriator) of Roundup, (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: Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1959 date completed for drilling, and has been in continuous use since that time.

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

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

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

8. The depth of water table: 260 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: 3-4 inch casing, depth 365 feet.

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: 6-10 surface gravel, 6-25 Elmo Shale, 25-130 Elmo Shale, 130-210 sandy shale, 210-272 Cagal, 272-345 Hard Sandy Shale, 345-693 Only, 45-693 sand with water 8 gal per min., 694-105 shale streak with gravel, 105-310 Hard Sandy Shale, 310-365 sand with more water increased to 5 gal per min., 365-385 Hard Sand Shale, completed at 365, cased to bottom with 6.

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

Signature of Owner: ____________________________
Date: December 20, 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,
MUSSELBURG COUNTY,

FILLED THIS _______ DAY OF
Dec. ____________ A.D. 1963
AT _______ O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

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

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

STATE ENGINEER

Dec 23, 1963

Owen T. Franz
of Roundup, Montana
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

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner
Date

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,
MUSKELLUNGE COUNTY.

FILED THIS 20 DAY OF
DECEMBER A.D. 1943
AT 3:09 O'CLOCK P.M.

H. H. MATZKE
COUNTY RECORDER

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

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

STATE ENGINEER

1. \[\text{Owner's Name} \] \[\text{Address in Town} \]

County of \[\text{Musselshell} \] State of \[\text{Montana} \]

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: \[\text{Irrigation} \]

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: \[\text{January 1, 1930} \]

4. The amount of groundwater claimed (in miner's inches or gallons per minute): \[\frac{1}{2} \text{ acre feet per minute} \]

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: \[\text{[Details provided here]} \]

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: \[\text{Pump and electric motor} \]

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: \[\text{[Dates provided]} \]

8. The depth of water table: \[\text{75 to 80 feet} \]

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: \[\text{[Details provided]} \]

10. The estimated amount of groundwater withdrawn each year: \[\text{10,000 gallons} \]

11. The log of formations encountered in the drilling of each well if available: \[\text{[Log available or not available]} \]

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: \[\text{[Information provided]} \]

Signature of Owner: \[\text{[Owner's Signature]} \]
Date: \[\text{Dec 15, 1963} \]

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,
MUSSELSHELL COUNTY.

FILED THIS 20 DAY OF
Dec. 1963 A. D.
AT 3:47 O'CLOCK P.M.

B. H. MATZKS
COUNTY RECORDER

DEPUTY
$2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Owen J. Farms, 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:

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

   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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   December 1, 1959
   water and labor only

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   5 or 6 gallons per minute

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Dec. 10-26, completed Dec. 15-26

8. The depth of water table
   85 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
   Well 1 is brick casing
   65 feet deep

10. The estimated amount of groundwater withdrawn each year
    23,040

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: Owen J. Farms
Date: Dec. 18, 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)

1. Dan M. Hardy, of Box 888 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: steak water

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1960

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 1960

   8. The depth of water table: 78 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:

   10. The estimated amount of groundwater withdrawn each year: 159,000 gallons

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

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

   Signature of Owner: Dan M. Hardy
   Date: December 26, 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.

13578
STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS 26 DAY OF
A. D. 19__ AT 11:00 O'CLOCK A.M.

P. H. MARTIN
COUNTY RECORDER

ELIZABETH S. BEACOM
DEPUTY
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Dan M. Hardy**, of **Roundup**, State of **Montana**

   County of **Musselshell**

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

<p>| | | | | |</p>
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</tbody>
</table>

- 2. The beneficial use on which the claim is based: **Spring** used for **Stock water**

- 3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1911** Continuous use

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

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

- 6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **Spring flows naturally into a Coulee. Stock water flowed from the field into Coulee**

- 7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1911**

- 8. The depth of water table: **Ground level**

- 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: **500000**

- 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: **DAN M. HARDY**

   Date: **December 20, 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,
MUSKELLUNGE COUNTY,

FILED ON: 26 DAY OF
JULY A.D. 1963
AT 11 O'CLOCK AM

N. E. MADER
COUNTY RECORDER

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

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

1. Name of Appropriator: Gaylord Van Vleck
   Address: Roundup
   County of: Musselshell
   State of: Montana

2. The beneficial use on which the claim is based: Spring, used for stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1960, continuous use

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

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

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

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

8. The depth of water table: Ground level

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: Natural flowing spring

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

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

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: N/A

Signature of Owner: Gaylord Van Vleck
Date: December 31, 1963

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

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

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

1. Name of Appropriator: Lyford Van Dyke
   Address: Roundup
   County: Musselshell
   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: Spring, used for stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1960, continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 500 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:
   Natural Flowing Spring

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

8. The depth of water table: Ground Level

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:
   Natural Flowing Spring, flows year around

10. The estimated amount of groundwater withdrawn each year: 300,000 gallons

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

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

Signature of Owner: Lyford Van Dyke
Date: December 31, 1963

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

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

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

FILED THIS 31st DAY OF 
December A.D. 1963
AT 5:44 O'Clock P.M. 

M. R. Matzke

County Recorder

[Signature]
**Water Well Log**

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled (dug, driven, or drilled)</th>
<th>Equipment used</th>
<th>(Churn, drill, rotary, other)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</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>Bottom</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>ft.</td>
<td>feet</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></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td>min.</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</td>
<td>To</td>
</tr>
<tr>
<td>Top</td>
<td>35</td>
</tr>
<tr>
<td>35</td>
<td>45</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws 1962)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Robert A. Jones</td>
<td>Roundup</td>
<td></td>
<td>Musselshell</td>
<td>Montana</td>
</tr>
</tbody>
</table>

1. 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: Stack Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1946 - Continuous Use

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 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: 10 acres, Sec. 32, T. T., R. 26

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 ground water: JUN.

8. The depth of water table: 50 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: Cast Iron casing, 4 in.

10. The estimated amount of groundwater withdrawn each year: 100,000

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: Robert A. Jones
Date: December 31, 1962
STATE OF MONTANA
MUSSEL SHELL COUNTY

FILED THIS 31 DAY OF
DECEMBER A.D. 1963
AT 11:09 O’CLOCK A.M.

E.H. MATZKE
COURT RECORER

JAMES L. DAWSON
DEPUTY
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Robert A. Jones, of Roundup, Montana.
   County of Musselshell, State of Montana.
   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.

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

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

10. The estimated amount of groundwater withdrawn each year.

11. The logs 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 record.

Signature of Owner: ____________________________
Date: December 31, 1962

20480
STATE OF MONTANA,
MISSOURI L. COUNTY.

FILED THIS ____________ DAY OF
December ____________ A. D. 19__
at ____________ o'clock _____

B. E. MATTICK
COUNTY RECORDER

__________________________
DEPUTY
<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>June 1948</td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
<td>June 1948</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Sec. 32 T. R. 26 Sec. S. W. N.W.</td>
</tr>
<tr>
<td><strong>Type of well</strong></td>
<td>Drilled</td>
</tr>
<tr>
<td><strong>Equipment used</strong></td>
<td>Churn</td>
</tr>
<tr>
<td><strong>Water use</strong></td>
<td>Stock</td>
</tr>
<tr>
<td><strong>Casing:</strong></td>
<td>500 ft. to 900 ft. Type</td>
</tr>
<tr>
<td><strong>Type of screen or perforations</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Static water level, for non-flowing well:</strong></td>
<td>70 feet</td>
</tr>
<tr>
<td><strong>Shut-in pressure, for flowing well:</strong></td>
<td>30 lb. / sq. in. on: (date)</td>
</tr>
<tr>
<td><strong>Pumping water level:</strong></td>
<td>100 feet at 25 gal. per min.</td>
</tr>
<tr>
<td><strong>Remarks:</strong></td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
### Log of Well

<table>
<thead>
<tr>
<th>Depth feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>Top</td>
<td>15</td>
</tr>
<tr>
<td>15</td>
<td>19</td>
</tr>
<tr>
<td>19</td>
<td>300</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 37, Montana Session Laws, 1962)

Robert A. Jones

County of Missoula
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

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. 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

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 county record

Signature of Owner

Date

20479
STATE OF MONTANA,  
MUSSELSHELL COUNTY,

FILED THIS 27 DAY OF  
DECEMBER A.D. 1963

AT 11:05 O'CLOCK A.M.

F. E. MARXKE
COUNTY RECORDER

FRANCIS L. NASHON
DEPUTY
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. John Marjorie Ruppestad, of Goulding Creek Ave., 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: 1920

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

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

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

   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: 10 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: Round dug well 6 ft. diameter

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

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

   Signature of Owner: John Marjorie Ruppestad
   Date: December 12, 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,  
MUSSEL SHELL COUNTY.  
FILED THIS 2.3 DAY OF  
A. D. 1963  
AT 11. 30 O'CLOCK  
B. H. MATZKE  
COUNTY RECORDER  
2.00  
CHS  

DEPUTY
## WATER WELL LOG

**Owner:** G. C. Jones

**Address:**

**Driller:** Clyde Sands

**Address:** Butte, Mont.

**Date Started:** Oct 27, 1960

**Date Completed:** Nov 3, 1960

**Location:** Sec. 35 T. 7 R. 26 sec. N. 27

---

### Type of Well
- **Drilled**

### Equipment Used
- **Cable**

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

### Casing
- **Depth:** 0 ft. to 16 ft. Type: **Steel**, Size: **inch**
- **Depth:** 0 ft. to 101 ft. Type: **Galvanized**, Size: **inch**
- **Depth:** [ ] ft. to [ ] ft. Type: [ ] Size: [ ]

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

### 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)

---

© (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>17</td>
</tr>
<tr>
<td>17</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>80</td>
</tr>
<tr>
<td>80</td>
<td>110</td>
</tr>
<tr>
<td>110</td>
<td>115</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

| Owner       | Queen James
|-------------|-------------|
| Address     | Lewistown, Mont.
| Driller     | D. F. Ferguson
| Address     | Montana
| Date Started| July 1, 1959
| Date Completed| July 16, 1959

### Location
- Sec: T
- R: ¼ sec

### Type of well
- (Dug, driven, bored, or drilled)

### Equipment used
- (Churn drill, rotary, other)

### Water use
- Domestic
- Municipal
- Stock
- Irrigation

### Casing
- Size
- Type
- Length

### Perforated or Screened
- Size
- Type

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

### Shut-in pressure, for flowing well:

### Pumping water level:

### How tested
- Drilling

### Length of test
- 1 hr.

### 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 - 4</td>
<td>Surf ace</td>
</tr>
<tr>
<td>4 - 25</td>
<td>Blue Clay</td>
</tr>
<tr>
<td>25 - 130</td>
<td>Buff colored sandstone</td>
</tr>
<tr>
<td>130 - 210</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>210 - 212</td>
<td>Coal</td>
</tr>
<tr>
<td>212 - 245</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>245 - 256</td>
<td>Coal</td>
</tr>
<tr>
<td>256 - 262</td>
<td>Sand, Ho. 2 gal per min.</td>
</tr>
<tr>
<td>262 - 305</td>
<td>Shale w/ Coal</td>
</tr>
<tr>
<td>305 - 330</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>330 - 338</td>
<td>Sand, Ho. - 3 gal per min.</td>
</tr>
<tr>
<td>338 - 365</td>
<td>Hard, sandy shale</td>
</tr>
</tbody>
</table>
**MONTANA BUREAU OF MINES AND GEOLOGY**
**Butte, Montana**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>John Beugard</th>
<th>Address</th>
<th>Roundup, Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>R. L. Ferguson</td>
<td>Address</td>
<td>Roundup, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>April 1, 1958</td>
<td>Date Completed</td>
<td>April 12, 1958</td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>T.</td>
<td>R.</td>
<td>3/4 sec</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Churn drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used</td>
<td>(Churn drill, rotary, other)</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>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>1 ft. to 10 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Johnson well</td>
</tr>
<tr>
<td>Size</td>
<td>ft.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>Other:</th>
</tr>
</thead>
</table>

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

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>3 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>feet at</td>
<td>gal. per min.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>Standing</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test</th>
<th>1 ft.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Remarks:</th>
</tr>
</thead>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6</td>
<td>Sandstone</td>
</tr>
<tr>
<td>6 - 35</td>
<td>Hard sand</td>
</tr>
<tr>
<td>35 - 80</td>
<td>Yellow sandy clay with kaolin</td>
</tr>
<tr>
<td>80 - 85</td>
<td>Sand porous 150 lb. per min.</td>
</tr>
<tr>
<td>85 - 101</td>
<td>Sandy shale</td>
</tr>
</tbody>
</table>
## Groundwater Index

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Bilyeu, John</td>
<td>GW4</td>
<td>169117</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>GW4</td>
<td>169120</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Ulstrom, Jesse</td>
<td>GW4</td>
<td>169427</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Smith, John</td>
<td>GW4</td>
<td>169727</td>
<td></td>
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<tr>
<td>7</td>
<td></td>
<td>GW4</td>
<td>169726</td>
<td></td>
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<tr>
<td>7</td>
<td></td>
<td>GW4</td>
<td>169728</td>
<td></td>
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<tr>
<td>8</td>
<td>Turley, Delia S.</td>
<td>GW4</td>
<td>169723</td>
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<tr>
<td>9</td>
<td>Turley, Robert</td>
<td>GW4</td>
<td>169465</td>
<td></td>
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<td>10</td>
<td>Rygnd, William</td>
<td>GW4</td>
<td>169619</td>
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<td></td>
<td>GW3</td>
<td>169620</td>
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<tr>
<td>12</td>
<td>Mikkelson, Gus</td>
<td>GW2</td>
<td>169622</td>
<td></td>
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<tr>
<td>13</td>
<td></td>
<td>GW3</td>
<td>169621</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Gerhardt, John</td>
<td>GW2</td>
<td>169726</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Turley, Robert</td>
<td>GW4</td>
<td>169447</td>
<td></td>
</tr>
<tr>
<td>16</td>
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<td>GW4</td>
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<td></td>
<td>GW4</td>
<td>169450</td>
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<tr>
<td>18</td>
<td>Hardy, Jim M.</td>
<td>GW4</td>
<td>169936</td>
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<td></td>
<td></td>
<td>57106</td>
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<tr>
<td>19</td>
<td>Northern Pacific Railway Co.</td>
<td>GW4</td>
<td>169916</td>
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<tr>
<td>20</td>
<td>Hardy, Jim M.</td>
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<td>21</td>
<td>Geitha Ranch Co.</td>
<td>GW4</td>
<td>169812</td>
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<tr>
<td>22</td>
<td></td>
<td>GW2</td>
<td>169812</td>
<td></td>
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<td>GW2</td>
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<td>Anderson, Stanley</td>
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<td>Brown, Jim P</td>
<td>GW4</td>
<td>169796</td>
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<td>26</td>
<td>Segar, O. S. &amp; Mae</td>
<td>GW4</td>
<td>168372</td>
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<td>28</td>
<td>Turley, Robert P</td>
<td>GW4</td>
<td>169651</td>
<td></td>
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<td>30</td>
<td>Hardy, Jim M</td>
<td>GW4</td>
<td>169365</td>
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<td>GW4</td>
<td>169366</td>
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<tr>
<td>32</td>
<td>Segar, O. S. &amp; Mae</td>
<td>GW4</td>
<td>168372</td>
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<tr>
<td>33</td>
<td>Northern Pacific Railway</td>
<td>GW3</td>
<td>168374</td>
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<td>GW4</td>
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**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. John Bilyeu of Roundup, 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 
   - Do not know

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 
   - Do not know

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

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: 
   - Do not know

8. The depth of water table: 
   - Do not know

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 inch casing, 410 ft. deep

10. The estimated amount of groundwater withdrawn each year: 
    - 50000 gallon/year

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

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

   Signature of Owner: [Signature]

Date: [Dec 10, 1962]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA, \nMUSSEL SHELL COUNTY.

FILED THIS 10 DAY OF
Dec. 12, A.D. 1963
AT 5:55 O'CLOCK P.M.
R. H. MAIZKE
COUNTY RECORDER

2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

[Signature]

John Bilbeau, of Roundup, Montana
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

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

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 0 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: No

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:

8. The depth of water table: 120 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: 472 ft. deep, and has a 6 inch heading.

10. The estimated amount of groundwater withdrawn each year: 200000 gallon a year

11. The log of formations encountered in the drilling of each well if available: 0 to 15 ft. Top soil, 15 to 90 ft. hard sand rock, 90 ft. to 75 ft. light blue clay, 75 to 90 ft. sand, 90 ft. to 150 ft. hard rock, 150 ft. to 905 ft. hard sand, 905 ft. to 200 ft. hard sand, 200 ft. to 326 ft. hard sand, 326 ft. to 450 ft. hard sand, 450 ft. to 490 ft. hard sand

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] [Date: Dec 18, 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.

2560
STATE OF MONTANA,
MUSSED SHELL COUNTY.

FILED THE 10TH DAY OF
DECEMBER A.D. 1963
AT 3:38 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

F. D. Dews
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

John Bilyeu
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

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 useful in carrying out the policy of this act, including reference to book and page of any county

Signature of Owner: John Bilyeu
Date: Dec. 10, 1965

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, MUSSELHELL COUNTY.

FILED THIS 1st DAY OF A.D. 19__
AT 3:57 O'CLOCK P.M.

B. H. MAIZKE
COUNTY RECORDER
### Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961

**1. Appropriator**
- **Name**: Jessie S. Givens
- **Address**: 408 5th St, West, Roundup, Montana

**County of**: Russell
**State of**: Montana

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>E</th>
<th>S</th>
</tr>
</thead>
</table>

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

- **Water for stock**

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **1 gallon per minute for 24 hours**

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** - Hand or electric driven located in barn yard, Sec 4, T.7N. R.27W.

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

- **Well commenced and completed in August 1946**

8. The depth of water table:

- **About 40 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:

- **About 50 feet of 6-inch steel pipe casing perforated at bottom. About 10 feet by standing water**

10. The estimated amount of groundwater withdrawn each year:

- **Approximately 6,000 barrels**

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

- **Top soil and gravel**

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**: Jessie S. Givens

**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,
MUSSEL SHELL COUNTY.

FILED THIS 27th DAY OF
December A.D. 1963
AT 3:00 O'CLOCK P.M.

B. H. MATTZE
COUNTY RECORDER

Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 

Driller: 
Address: 

Date of Notice of appropriation of groundwater: 

Date well started: 

Data completed: 

Type of well: 

Equipment used for drilling: 

(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 Drift</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>0</td>
<td>175</td>
</tr>
<tr>
<td>151</td>
<td>Sand-130-275#</td>
<td>6 in</td>
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</tr>
<tr>
<td>160</td>
<td>Limestone-125</td>
<td>140</td>
<td></td>
</tr>
<tr>
<td>169</td>
<td>Limestone-120-145#</td>
<td>110</td>
<td></td>
</tr>
<tr>
<td>175</td>
<td>Limestone</td>
<td>115</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 

89 feet.

Shut-in Pressure for Flowing Well: 150 feet.

Pumping Water Level: 130 feet.

at 14 gal. per minute.

Discharge in gal. per min. of flowing well: 

Driller's License Number: 

Driller's Signature: 

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

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.
DECLARATION OF VESTED GROUNDWATER RIGHTS

Under Chapter 237, Montana Session Laws, 1961

1. JOHN L. SMITH, of, JOURNEYP, MISSISSEULL, 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: 1946

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

SE. 1/4, Sec. 6, T. 73 N., R. 27E., MONTANA.

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

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:

Drilled well: 1 well; in use (drilled 1962).

6. The date of commencement and completion of the construction of t. well, wells, or other works for withdrawal of groundwater: 1962-Completed

7. The depth of the water table: 15 ft.

8. The depth of water table: 15 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 well, 6 inch casing, 54 feet deep

10. The estimated amount of groundwater withdrawn each year: Do not know (none yet)

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

Top soil 10 ft, gravel 10 ft, blue shale 15 ft, sand 10 ft, sandstone 10 ft, gravel 10 ft, balance 15 ft blue 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 count record:

Signature of Owner: John Smith
Date: 12/31/63
STATE OF MONTANA, MUSSELHELL COUNTY.

FILED THIS 31st DAY OF DECEMBER, A.D. 19-.

AT 8:30 O'CLOCK A.M.

BY E. MATZKE
COUNTY RECORDER

FRANCIS H. WILSON
DEPUTY