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. David A. Rose
   (Name of Appropriator)

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

   S.E.1/4 Sec. 19 T.12 R.52
   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
   1910 Continuous

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
   None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Spring 1910

8. The depth of water table
   125'

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
   300 ft deep, County at top, 4", casing at bottom

10. The estimated amount of groundwater withdrawn each year
    3750 gal

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
    No other information

   Signature of Owner: David A. Rose
   Date: Jan 31, 1962

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

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

1. Robert Bath
   (Name of Appropior) of Terry, Montana
   (Address)
   County of Chilocco, 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935, 12 months a year

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 36 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: FLOWING SPRING

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1935

8. The depth of water table: Not applicable

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: Dug Out Spring, Boxed Up and Piped into Tank

10. The estimated amount of groundwater withdrawn each year: 1,576,800 gals.

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

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 Bath
Date: 12/12/1962

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

Decloration of Vested Groundwater Rights
(Under Chap. 27, Montana Session Laws, 1961)

1. Fred E. Lackman
   of
   (Address)
   (Town)
   County of
   State of
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   2. The beneficial use on which the claim is based.
   Household and livestock watering

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been.
   1772
   Continual and uninterrupted

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   1949 examined 1949 completed

   8. The depth of water table.
   150

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   Drilled 12.50 feet deep

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

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

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

   Signature of Owner: Fred E. Lackman
   Date: Dec. 16, 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.
# MONTANA BUREAU OF MINES AND GEOLOGY

**WATER WELL LOG**

**STATE ENGINEER**

**Owner**: Martin Sockman  
**Address**: Fallon, Mont

**Driller**: Henry L. Johnson  
**Address**: Terry, Mont

**Date Started**: Sept. 16, 1960  
**Date Completed**: Sept. 26, 1960

**Location**: Sec. 19 T 62 N R 27 W

---

**Type of well** | **Drilled** | **Equipment used**
--- | --- | ---
 | ([ ] driven, bored, or drilled) | ([ ] Churn drill, rotary, other) |

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

**Casing**
- 0 ft. to 21 ft.
- 0 ft. to 18 ft.
- 0 ft. to 780 ft.
- 2" Std. Pipe
- 6" Std. Pipe
- Size
- Size

**Perforated or Screened**
- Ft. 520 to Ft. 560
- Ft. 740 to Ft. 780

**Type of screen or perforations**
- [ ] Holes

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

**Shut-in pressure, for flowing well**: 19 lb./sq. in. on Oct. 1, 1960

**Pumping water level**: 0 feet at 59 gal. per min.

**How tested**: Flow

**Length of test**: 

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

**Packer set**: 200 ft. 5 ok. Cement applied

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
<td></td>
<td>Yellow loam</td>
</tr>
<tr>
<td>10</td>
<td>16</td>
<td></td>
<td>Sand and Gravel</td>
</tr>
<tr>
<td>16</td>
<td>30</td>
<td></td>
<td>Sandy Brown Formation</td>
</tr>
<tr>
<td>30</td>
<td>70</td>
<td></td>
<td>Dark Blue Shale</td>
</tr>
<tr>
<td>70</td>
<td>77</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>77</td>
<td>295</td>
<td></td>
<td>Dark Shale with Coal Seams</td>
</tr>
<tr>
<td>295</td>
<td>296</td>
<td></td>
<td>Rock</td>
</tr>
<tr>
<td>296</td>
<td>304</td>
<td></td>
<td>Sandstone</td>
</tr>
<tr>
<td>304</td>
<td>350</td>
<td></td>
<td>Blue Shale w/ Coal Seams</td>
</tr>
<tr>
<td>350</td>
<td>351</td>
<td></td>
<td>Rock</td>
</tr>
<tr>
<td>351</td>
<td>520</td>
<td></td>
<td>Gray Shale</td>
</tr>
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<td>520</td>
<td>560</td>
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<td>Sandstone (Blue)</td>
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<tr>
<td>560</td>
<td>700</td>
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<td>Gray Shale</td>
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<tr>
<td>700</td>
<td>720</td>
<td></td>
<td>Reddish Brown Shale</td>
</tr>
<tr>
<td>720</td>
<td>780</td>
<td></td>
<td>Sandstone and Shale</td>
</tr>
</tbody>
</table>
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

## Declaration of Vested Groundwater Rights

1. **Robert Rath**
   - (Name of Appropriator)
   - (Address) (Town)
   - County of **Prairie**
   - 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
   - Livestock + Horse

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - 1948
   - 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - 1,000 PM
   - 2,12 0 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 applicable

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - 1948
   - 1960

8. The depth of water table:
   - 180

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 with 8' casing, 132' Deep

10. The estimated amount of groundwater withdrawn each year:
    - 427,000 Gal.

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

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

---

**Signature of Owner**: Robert Rath

**Date**: 12/12/1963

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.

**12/17**
## WATER WELL LOG

**Owner:** Robert Rath  
**Address:** Terry, Montana  
**Driller:** Ira C. Bond  
**Address:** Terry, Montana  
**Date Started:** January 1961  
**Date Completed:** February 8, 1961  
**Location:** Sec. 24 T. 12 R. 52 W. 6 N. 4 E.  

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(Dug, driven, bored, or drilled)</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>
<tbody>
<tr>
<td>Industrial</td>
<td>Surface</td>
<td>Drainage</td>
<td>Steel</td>
<td>Other: 7&quot; OD</td>
</tr>
<tr>
<td>Surface</td>
<td>ft. to 200 ft.</td>
<td>Type</td>
<td>Size 4&quot; OD</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>585 ft. to 904 ft.</td>
<td>Type</td>
<td>black 12&quot;</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td>ft. to ft.</td>
<td>Type</td>
<td>Size 2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Perforated or Screened: Ft. 505 to 530 ft. to 590 to 695 ft. to ft.  

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>burned holes</th>
</tr>
</thead>
</table>

Static Water level, for non-flowing well: 10 gallons per minute flow  
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)  
bentonite grout from surface to 200 feet  

(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>
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<td>0</td>
<td>4</td>
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<tr>
<td>4</td>
<td>13</td>
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<tr>
<td>805</td>
<td>904</td>
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<tr>
<td>904</td>
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</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner:** Carl Gumb  
**Address:** Terry, Mont

**Driller:** Henry J. Johnson  
**Address:** Terry, Mont

**Date Started:** April 8, 1959  
**Date Completed:** April 13, 1959

**Location:** Sec. 27, T. 12, R. 52, W. 4 S

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Equipment used</td>
</tr>
<tr>
<td></td>
<td>Cable Tool</td>
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<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
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<tbody>
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<td></td>
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<table>
<thead>
<tr>
<th>Industrial</th>
<th>Drainage</th>
<th>Other:</th>
</tr>
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<tbody>
<tr>
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<td></td>
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<table>
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<tr>
<th>Casing:</th>
<th>0 ft. to</th>
<th>110 ft.</th>
<th>Type</th>
<th>Std. Pipe</th>
<th>Size</th>
<th>L.t.</th>
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<table>
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<th>Casing:</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
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</table>

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

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. 45 to Ft. 105</th>
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</thead>
</table>

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

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>84 feet.</th>
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<table>
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<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>Lb. per sq. in. on: (date)</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>90 feet at 10 gal. per min.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>1 hr.</th>
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</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>
<th></th>
</tr>
</thead>
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(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top soil, yellow loam and rock mixed</td>
</tr>
<tr>
<td>18</td>
<td>Shale</td>
</tr>
<tr>
<td>85</td>
<td>Sandstone</td>
</tr>
<tr>
<td>85</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>
### Declaration of Vested Groundwater Rights

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

- **Name of Appropriator**: Carl Engel
- **Address**: Terry
- **Town**: Terry
- **County**: Prairie
- **State**: Montana

**Declaration**

- **Declaration of Vested Groundwater Rights**
- **Preceded by**: Montana laws in effect prior to January 1, 1962

#### Details

1. **Description of Claimed Groundwater**
   - **Type of Use**: Irrigation
   - **Description**: Field irrigation

2. **Dates and Uses**
   - **Earliest Beneficial Use**
     - **Date**: July 1, 1961
     - **Duration**: Continuous

3. **Amount of Groundwater Claimed**
   - **Amount**: 20 gallons per minute

4. **Irrigation Information**
   - **Acreage and Description**: 50 acres
   - **Owner**: John Doe

5. **Means of Withdrawal**
   - **Method**: Well drilling

6. **Depth of Water Table**
   - **Depth**: 50 feet

7. **Formation Logs**
   - **Type and Size**: See formation logs

8. **Estimated Annual Withdrawal**
   - **Quantity**: 2,000 gallons

9. **County Clerk and Recorder**
   - **Date Filings**

**Signature**

- **Owner**: Carl Engel
- **Date**: Dec 15, 1963

---

**Additional Information**

- 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; 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. Robert Rath, of Terry, Montana
   (Name of Appropriator) (Address) (Town)

   County of Prairie
   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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1940, 12 months/year

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)... 2 QPM

   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...

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1940

   8. The depth of water table... Not Applicable

   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... 1,081,200 Gals

   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... Robert Rath
   Date... 12/12/1963

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 Appropriate.
## WATER WELL LOG

**Owner:** Charles Fahl  
**Address:** Terry, Mont.

**Driller:** Henry I Johnson  
**Address:** Terry, Mont.

**Date Started:** MARCH 31, 1959  
**Date Completed:** APRIL 7, 1959

**Location:** Sec. 12, T. 13 N., R. 12 W., W. 1/4 sec. 11 W.

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
<th>Cable Tool</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
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<tr>
<th>Casing:</th>
<th>ft. to</th>
<th>160 ft.</th>
<th>Type</th>
<th>STD. Pipe</th>
<th>Size</th>
</tr>
</thead>
<tbody>
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</table>

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

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
<th>90 to 120</th>
</tr>
</thead>
</table>

**Type of Screen or Perforations:**

- Notes and Data

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

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

**Pumping Water Level:**  
- Feet: 96  
- Date: (blank)

**How Tested:** Baller

**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 - 112</td>
<td>Sand and Gravel</td>
</tr>
<tr>
<td>112 - 158</td>
<td>Shale</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **David A. Rose**
   (Name of Approprietor)
   of: ________________________
   (Address)
   (Town)
   County of: ________________
   State of: ________________
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1910 Continuous

   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: None

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Estimate Fall of 1910

   8. The depth of water table: 12.5

   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 160′, Taper 4′, Casing 4′, Screen 1′, Others

   10. The estimated amount of groundwater withdrawn each year: 40,000.00

   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)
   Date: _______________________
   Jan. 31, 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 School of Mines 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)

STATE ENGINEER
DECL 18 1963

Anthony Haag

County of: Prairie
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: Horse and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: June 1953, 9 years

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 90

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Dec 1954 Jan 1955

8. The depth of water table: 157 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled, 6 and 4, 170 ft.

10. The estimated amount of groundwater withdrawn each year: 35,000 gal.

11. The log of formations encountered in the drilling of each well if available: 100 ft. gravel & sand, 70 ft. clay & 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: Anthony Haag
Date: Dec. 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 Appr"
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Vernon H. Kirkpatrick, of

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

1. The name of the Approprietor. (Address) (Town)

2. The beneficial use on which the claim is based.
   No. 1: Agriculture
   No. 2: Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   No. 1: 1939 - Continuous
   No. 2: 1969

4. The amount of groundwater claimed (in inches or gallons per minute).
   No. 1: 700 feet per month
   No. 2: 500 feet per month

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.
   No. 1: Pump
   No. 2: Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   No. 1: Completed 1939
   No. 2: Completed 1969

8. The depth of water table.
   No. 1: 60 feet
   No. 2: 60 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.
   No. 1: Drilled - Drilling - 125 feet
   No. 2: Drilled - Bench Cutting - 125 feet

10. The estimated amount of groundwater withdrawn each year.
    No. 1: 200,000 gallons
    No. 2: 200,000 gallons

11. The log of formations encountered in the drilling of each well if available.
    No. 1: Available
    No. 2: 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: Vernon H. Kirkpatrick
Date: Dec. 17, 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 Approprietor.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

NAME OF APPROPRIATOR

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.

15-6-1963
<table>
<thead>
<tr>
<th>Seq</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>Hixworth, Chester</td>
<td>GW-2</td>
<td></td>
<td>NO RECORD</td>
</tr>
<tr>
<td>8</td>
<td>Stickel, Albert</td>
<td>GW-4</td>
<td>82185</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Stickel, Reuben</td>
<td>GW-3</td>
<td>82184</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Sackman, John M</td>
<td>GW-4</td>
<td>88185</td>
<td>May be the same as above</td>
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<tr>
<td>14</td>
<td>Stickel, Nathan</td>
<td>GW-4</td>
<td>88443</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Stickel, Nathan</td>
<td>GW-2</td>
<td>88443</td>
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<tr>
<td>18</td>
<td>Hadley, Fred</td>
<td>GW-4</td>
<td>88549</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Sethman, John M</td>
<td>GW-2</td>
<td>88423</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Hadley, Fred</td>
<td>GW-2</td>
<td>93325</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>Stickel, Nathan</td>
<td>GW-2</td>
<td>95402</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Sackman, Jesse</td>
<td>GW-4</td>
<td>95384</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Stickel, Lillig</td>
<td>GW-4</td>
<td>85574</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Stickel, Nathan</td>
<td>GW-2</td>
<td>90546</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>Meidinger, Harold S</td>
<td>GW-4</td>
<td>85640</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Meidinger, Emanuel</td>
<td>Water Well Log</td>
<td>81733</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Meidinger, Emanuel</td>
<td>Water Well Log</td>
<td>50358</td>
<td></td>
</tr>
<tr>
<td>45</td>
<td>Stickel, Albert</td>
<td>GW-2</td>
<td>70974</td>
<td>FILED EARLIER</td>
</tr>
</tbody>
</table>
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

---

**Owner:** Albert Stickel  
**Address:** Fallon

---

**Date well started:** 11/19/13  
**Date completed:** 11/23/13

**Type of well:** Drilled  
**Equipment used:** Cable tool & Rotary (Churn drill, rotary or other)

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

Indicates 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 Cable</th>
<th>From (Feet) To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>6 5/8&quot;</td>
<td>3/8&quot;</td>
<td>95 Holes 70 99</td>
</tr>
</tbody>
</table>

---

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

28 feet.

**Shut-in Pressure for flowing well**

14 feet.

**Pumping Water Level**

75 gal. per minute.

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

---

**How Tested:** Driller  
**Length of Test:** 1 hr.

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

(Continue on reverse side)

---

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

---

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

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

---

**Driller's License Number:**

154

**Driller's Signature:**

Joes Johnson

4/4, 934
<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 15, 1957</td>
<td>October 22, 1957</td>
</tr>
</tbody>
</table>

**Location:** Sec 5, T. 12, R. 53, NE/4, NE/4

**Drilled:** 125 ft. to 659 ft.

**Type of well:** Domestic

**Equipment used:** Rotary

**Casing:** 60 ft. to 659 ft. steel, Size 6"

**Perforated or Screened:** 608 ft. to 659 ft.

**Type of screen or perforations:** Holes burned with torch 5/16"

**Static Water level, for non-flowing well:** 45 gal. per minute

**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)

- Grouted in with bentonite
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 9</td>
<td>sand yellow clay</td>
</tr>
<tr>
<td>9 to 12</td>
<td>gumbo</td>
</tr>
<tr>
<td>12 to 28</td>
<td>quick sand with a little water</td>
</tr>
<tr>
<td>28 to 50</td>
<td>gumbo</td>
</tr>
<tr>
<td>50 to 51</td>
<td>rock</td>
</tr>
<tr>
<td>51 to 92</td>
<td>gumbo</td>
</tr>
<tr>
<td>92 to 97</td>
<td>rock</td>
</tr>
<tr>
<td>97 to 150</td>
<td>gumbo</td>
</tr>
<tr>
<td>150 to 152</td>
<td>rock</td>
</tr>
<tr>
<td>152 to 192</td>
<td>gumbo</td>
</tr>
<tr>
<td>192 to 194</td>
<td>coal slake</td>
</tr>
<tr>
<td>194 to 224</td>
<td>light blue clay</td>
</tr>
<tr>
<td>224 to 226</td>
<td>coal</td>
</tr>
<tr>
<td>226 to 229</td>
<td>rock</td>
</tr>
<tr>
<td>229 to 254</td>
<td>blue clay</td>
</tr>
<tr>
<td>254 to 270</td>
<td>slake coal</td>
</tr>
<tr>
<td>270 to 301</td>
<td>gumbo</td>
</tr>
<tr>
<td>301 to 303</td>
<td>rock</td>
</tr>
<tr>
<td>303 to 306</td>
<td>gumbo</td>
</tr>
<tr>
<td>306 to 316</td>
<td>coal slake</td>
</tr>
<tr>
<td>316 to 336</td>
<td>gumbo</td>
</tr>
<tr>
<td>336 to 356</td>
<td>mud flow—quart per minute</td>
</tr>
<tr>
<td>356 to 357</td>
<td>rock</td>
</tr>
<tr>
<td>357 to 428</td>
<td>shale</td>
</tr>
<tr>
<td>428 to 429</td>
<td>rock</td>
</tr>
<tr>
<td>429 to 470</td>
<td>shale</td>
</tr>
<tr>
<td>470 to 473</td>
<td>coal</td>
</tr>
<tr>
<td>473 to 606</td>
<td>shale</td>
</tr>
<tr>
<td>606 to 632</td>
<td>water sand 9 gal per minute</td>
</tr>
<tr>
<td>632 to 639</td>
<td>shale</td>
</tr>
<tr>
<td>639 to 659</td>
<td>water sand 10 gal per minute</td>
</tr>
<tr>
<td>659 to 691</td>
<td>rock</td>
</tr>
<tr>
<td>691 to 773</td>
<td>shale</td>
</tr>
<tr>
<td>773 to 820</td>
<td>water sand 26 gal per minute</td>
</tr>
<tr>
<td>820 to 858</td>
<td>shale</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

Owner: Albert Stickel  Address: Fallon, Mont.
Driller: Joe Johnson  Water Body: Terry, Mont.

Date of Notice of Appropriation of Groundwater: Oct. 25, 1965
Date well started: Oct. 29, 1965
Date Completed: Oct. 29, 1965

Type of well: Drilled  Equipment Used: Churn, drill, rotary or other

Water Use: Domestic  Municipal  Other  Irrigation
Industrial  Drainage  Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind of Site</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td></td>
<td>0</td>
<td>122</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>5 3/8&quot;</td>
<td>1/2 D.</td>
<td>117</td>
<td>180</td>
<td></td>
<td>159</td>
<td>180</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 145 feet.

Shut-in Pressure for Flowing Well: 1.15 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well: 300 gal.

How Tested: Balance  Length of Test: 1 hr.

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)

| Acres irrigated, if used for irrigation | 154 |

Driller's License Number: [Number]
Driller's Signature: [Signature]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
FILED
at 8:55 o'clock A.M.

Nov 7, 1965

Bill
County Clerk

Fed. 2nd, 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] of [Address], [Town], County of [County], State of [State], 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
   [Description]

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

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   [1910]...[1910]

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
    [100,000 gallons]

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

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

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines 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. **Renewed Stiekel**
   - (Name of Approprietor)
   - (Address)
   - (Town)
   - County of **Prairie**
   - State of **Montana**

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

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

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

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

   Livestock

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): 10 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - **A pump at water level**

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year: **50,000 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:

<p>| |</p>
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

---

Signature of Owner: **Renewed Stiekel**

Date: **Nov. 23, 1963**

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

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

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

Owner: Reuben Stickel
Address: Fallon, Mont.

Driller: Henry I Johnson
Address: Terry, Montana

Date Started: May 4, 1960
Date Completed: May 5, 1960

Location: Sec. 13 T. 12 R. 53 1/4 sec. North East

Type of well: Drilled
Equipment used: Cable tool

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

Casing: 0 ft. to 68 ft. Type: Steel Pipe Size: 6"

Casing: ft. to ft. Type: Size: 
Casing: ft. to ft. Type: Size: 
Perforated or Screened: Ft. 50 to Ft. 68 Ft. to Ft. Type of screen or perforations: Holes

Static Water level, for non-flowing well: 17 ft.
Shut-in pressure, for flowing well: Ib./sq. in. on: (date)
Pumping water level: 20 feet at 8 gal. per min.
How tested: Balance
Length of test: 1 hr.

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

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 2</td>
<td>Top soil &amp; brown loam</td>
</tr>
<tr>
<td>2 - 6</td>
<td>Brown Sand &amp; Rock</td>
</tr>
<tr>
<td>6 - 12</td>
<td>White Soapstone</td>
</tr>
<tr>
<td>12 - 30</td>
<td>Brown sandy loam</td>
</tr>
<tr>
<td>30 - 45</td>
<td>Brownish black loam</td>
</tr>
<tr>
<td>45 - 60</td>
<td>Blue Sandstone &amp; water bearing stratum</td>
</tr>
<tr>
<td>60 - 70</td>
<td>Coal seams &amp; sand</td>
</tr>
</tbody>
</table>
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Danny Stickel  
**Address:** Fallon, Mont.  
**Driller:** Joe Johnson  
**Address:** Terry, Mont.

Date of Notice of Appropriation of Groundwater: __________

Date well started: __________  
Date Completed: __________

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

Water Use: Domestic ☐  Municipal ☐  Other ☐  Irrigation ☐

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

<table>
<thead>
<tr>
<th>Strata</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow Sand Soil</td>
<td>0'-10'</td>
<td></td>
</tr>
<tr>
<td>DK Blau Shale</td>
<td>10'-15'</td>
<td></td>
</tr>
<tr>
<td>DK Blau Shale &amp; Coal</td>
<td>15'-30'</td>
<td></td>
</tr>
<tr>
<td>Blu Shale</td>
<td>30'-35'</td>
<td></td>
</tr>
<tr>
<td>Soft Rock</td>
<td>35'-38'</td>
<td></td>
</tr>
<tr>
<td>Blu Shale</td>
<td>38'-45'</td>
<td></td>
</tr>
<tr>
<td>Coal &amp; Blu Shale</td>
<td>45'-68'</td>
<td></td>
</tr>
<tr>
<td>Rock</td>
<td>68'-70'</td>
<td></td>
</tr>
<tr>
<td>Blu Shale</td>
<td>70'-79'</td>
<td></td>
</tr>
<tr>
<td>Rock</td>
<td>79'-91'</td>
<td></td>
</tr>
<tr>
<td>Sandstone &amp; Shale</td>
<td>91'-100'</td>
<td></td>
</tr>
<tr>
<td>Blu Shale</td>
<td>100'-111'</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Collar</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.5/8&quot;</td>
<td>N&quot;-1/16&quot;</td>
<td>10&quot;</td>
<td>111&quot;</td>
</tr>
</tbody>
</table>

**Pumping Water Level**  
90 feet at 5 gal. per minute.

**Shut-in Pressure for Flowing Well**

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

**Comments:**

**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:** 154  
**Driller’s Signature:**

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

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

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

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

STATE ENGINEER

Nathaniel Stickel of Fallon
(Address)
County of Prairie State of Montana

Nathaniel Stickel

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 is used for Stock and Household

3. Date or approximate date of earliest beneficial use: 1917
   Duration: Daily
   Use: for Stock and House

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1917

8. The depth of water table: 70 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: It is a drilled well with 6 inch Casing 95 feet deep

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

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: Nathaniel Stickel

Date: Dec 30, 1963

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

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

Original to the County Clerk and Recorder; 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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

Date of Notice of Appropriation of Groundwater: [Date]
Date Well Started: [Date]
Date Completed: [Date]

Type of Well: [Type of Well]
Equipment Used: [Equipment]
Flowing (dug, driven, bored or drilled)

Water Use: [Water Use]

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>3&quot;</td>
<td>3 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>3 1/2&quot;</td>
<td>4 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>4 1/2&quot;</td>
<td>5 1/2&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: [Depth] feet.
Shut-in Pressure for Flowing Well: [Pressure] feet.
Pumping Water Level: [Depth] feet.
Discharge in gal. per minute: [Discharge]

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)

Show exact depth of bottom.

[Diagram]

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

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.

4/16/3
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Appropriator**
   - **Address**
   - **Town**
   - **County**
   - **State**

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 acresage 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 227, Montana Session Laws, 1961)

Owner: John A. Sackman, Address: Fallon, Mont.
Driller: Henry L. Johnson, Address: Terry, Mont.
Date of Notice of Appropriation of Groundwater: July 6, 1962.
Date well started: July 6, 1962.
Date completed: Sept. 17, 1962.
Type of well: Drilled.
Equipment Used: 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>Slump and Weight of Cement</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>□</td>
<td>□</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 140 feet.
Shut-in Pressure for Flowing Well: 70 feet at 5 gal. per minute.
Pumping Water Level: 179 feet at 140 gal. per minute.
Discharge in gal. per min. of flowing well: 0.000 gal. per minute.
How Tested: 0.
Length of Test: 140.

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: 22.
Driller's Signature: Henry L. Johnson.

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 School of Mines and Quadruplicate for the Appropriator.
**State of Montana**

**Administrator of Groundwater Code**

**Montana Water Resources Board**

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

Developed after January 1, 1962

(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:** Fred Moldie  
**Address:** Fallon, Montana

---

**Date well started**: 10/1/71  
**Date well completed**: 10/1/71

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

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

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

---

**Driller's Signature**:  
**Driller's Address**: Joe Johnson Dr., Terry, Montana

---

**License No.**: 154  
**Estimate Annual Withdrawal**:

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind Size</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8&quot; 5&quot; Plastic</td>
<td>0 117</td>
<td>slots</td>
<td>2&quot; x 6&quot;</td>
<td>97 117</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Static water level**: 30 ft.  
**Pumping water level**: 89 ft.  
**Gallons per minute**: 120

---

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

**Well is gravel packed**

---

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

---

**Show exact depth of bottom**
93275

State v. Shell Lep
Fred Handle

to

The People

FILED:

10:05 a.m.

8-15-1971

John

2nd Day

Peterson

Warden

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

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

Date of Filing: ________________
County: _______________________

I, ________________________, of _______________________, 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>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   1950 - Continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1950 - Completed

8. The depth of water table:
   6.5 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:
   100 ft. deep, jetting

10. The estimated amount of groundwater withdrawn each year:
    3,000 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: _______________________
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.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Using Chapter 237, Montana Session Laws, 1961)

Owner: Nathaniel Stickel
Address: Fallon, Montana

Driller: Joe Johnson
Address: Terry, Montana

Date of Notice of appropriation of groundwater: 5/4/68
Date well started: 5/4/68
Date completed: 5/4/68

Type of well Drilled Drilling equipment used
(Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, 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 Casings</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8&quot;</td>
<td>4&quot; ID</td>
<td>0</td>
<td>100</td>
<td>Holes 65</td>
</tr>
<tr>
<td></td>
<td>11 5/4&quot;</td>
<td></td>
<td></td>
<td>95</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well..............72 feet.
Shut-in Pressure for Flowing Well.................
Pumping Water Level.............75 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well..........

How Tested: 
Length of Test: 1 hr.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Indicate location of well and place of use, if possible. Each small square represents 40 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, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Name of Appropriator: [Name]
   Address: [Address]
   Town: [Town]
   County of [County]
   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:
   [Description]

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

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

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

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

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

8. The depth of water table:
   [Depth]

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

10. The estimated amount of groundwater withdrawn each year:
    [Amount]

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

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

Signature of Owner:

Date:

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

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

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

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

STATE ENGINEER

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ludwig Strobel</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

County of

State of

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

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

   Household Stock Watering

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

   June 1949—Continued

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

   1000 gallons

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

   [Details]

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

   [Details]

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

   Commenced: 1949  
   Completed: June 1949

8. The depth of water table:

   125 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:

   [Details]

10. The estimated amount of groundwater withdrawn each year:

    50,000 gallons

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

    [Details]

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:

    [Details]

Signature of Owner:

Ludwig Strobel

Date: Nov 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.