### Water Well Log

**Owner:** John K. Schlepp  
**Address:** Cobagen, Montana  
**Driller:** Carl Jerrel  
**Address:** Miles City, Montana  
**Date Started:** 10/1956  
**Date Completed:** Same day  
**Location:** Sec. 6 T. 16N R. 13E  
**Type of Well:** Domestic  
**Equipment Used:** Rotary  
**Water Use:** Stock  
**Casing:** 210 ft. to 170 ft.  
**Type:** Cast Iron  
**Screened:** Yes  
**Static Water Level:** 100 feet from top  
**Shut-in Pressure:** lb./sq. in.  
**Pumping Water Level:** feet at 5 gal. per min  
**How Tested:** 2 hours  
**Length of Test:**  
**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

---

(over)
### WATER WELL LOG

**Owner:** John K. Schlepp  
**Address:** Cohagen, Montana

**Driller:** Tommy Hammond  
**Address:** Miles City, Montana

**Date Started:** 1917  
**Date Completed:** don't know

**Location:** Sec. 6, T. 16 N, R. 13 W

#### Type of well

<table>
<thead>
<tr>
<th>Driver (drill, bored, or drilled)</th>
<th>Equipment used (Churn drill, rotary, other)</th>
</tr>
</thead>
</table>

#### Water use:

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

#### Casing:

<table>
<thead>
<tr>
<th>Depth (ft. to ft.)</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 220 ft.</td>
<td>galvanized</td>
<td>6-in</td>
</tr>
</tbody>
</table>

#### Perforated or Screened:

<table>
<thead>
<tr>
<th>Depth (ft. to ft.)</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

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

- 150 feet from top

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

- lb./sq. in.

#### Pumping water level:

- net at
- gal. per min.

#### How tested:

- bailer

#### Length of test:

- 2 hours

#### Remarks:

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

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

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

I, John T. Schlagel, of Cohagen, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. The beneficial use on which the claim is based. Stock water, home use.

2. Date or approximate date of earliest beneficial use, and how continuous the use has been. 1917, or No. 1, 1953, or No. 2.

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

4. If used for irrigation, give the average and description of the lands to which water has been applied, and the name of the owner thereof, No. 1, used forlines, 70 acres.

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Pump, motor driven.

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. No. 1, 1917, No. 2, 1953.

7. The depth of water table. No. 1, 1,200 ft, No. 2, 180 ft.

8. The log of formations encountered in the drilling, if available. No. 1, 20 ft clay, No. 2, 200 ft.

9. 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. 1, used Dec 30, 1961.

Signature of Owner. John T. Schlagel.
Date, Dec. 27, 1963.

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

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

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

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

(Name of Appropriator) (Address) (Town)

County of Ramsey State of Minnesota
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. Furnishing water for livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Continuous since 1860.

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. Pump.

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

8. The depth of water table. 45 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. 60 feet deep, 10-inch redwood casing.

10. The estimated amount of groundwater withdrawn each year.

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 available.

Northern Pacific Railway Company
Signature of Owner
Dist. Supervisor, Graz. & Cult.
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)

John B. Jordan, of Rock Springs
Name of Appropriator, Address, Town
County of Garfield, 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 Water

3. Date or approximate date of earliest beneficial use; and how continuously the use has been: 1950 - 4½ months per year continuously

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

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: [Blank]

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Rea Pump
   Engine: 1950 to 1953
   Rea Pump: Everitt 1953 to 1963 - Seynry - 11-14-49

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

8. The depth of water table: 14 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: Drilled well - 10" casing - 100ft deep; Rea Pump since 1953 - 3" pump pipe

10. The estimated amount of groundwater withdrawn each year: 1,166,400 gallons

11. The log of formations encountered in the drilling of each well if available: 10-10 Sand - Soil, 11 to 70 clay - 7 to 90 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: No recorded records
   Very good water for stock or humans

Signature of Owner: John B. Jordan
Date: [Blank]

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
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana
the 50th day of November
A.D. 18

Recorded in Book B

By

County Clerk and Recorder

See Page 2
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

John B. Jordan  
of  Rock Springs  
County of Garfield  
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 Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Oct 1963

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 6 G.P.M

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: Flowing well - seven, Sec. 12, T16N R43E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Oct 1963 - Oct 1963

8. The depth of water table: Flowing

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 - 60' 4" casing

10. The estimated amount of groundwater withdrawn each year: New well

11. The log of formations encountered in the drilling of each well if available: I' to 10' gravel, I' to 20' clay - 20' to 30' sand - 241' to 260' clay

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 recorded records

Signature of Owner: John B. Jordan  
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 App appropriator.
# Declaration of Vested Groundwater Rights

(under Chapter 237, Montana Session Laws, 1961)

1. **John B. Jordan**, Rock Springs
   - **County of**: Garfield
   - **State of**: Mont.

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

2. The beneficial use on which the claim is based is **Livestock + Residential Use**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1908 - Daily**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **10 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: **None**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1908**

8. The depth of water table: **To Surface**

9. So far as it may be available, the type, size and depth of each well or the kind of formations of any other works for the withdrawal of groundwater: **3/4-In. Gasoline Drilled - 16 Feet Deep**

10. The estimated amount of groundwater withdrawn each year: **2,679,200 gallons**

11. The log of formations encountered in the drilling of each well if available: **Non 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 Recorded Records**

   **Some Gas Pressure - Intermittant Discharge**

   **Signature of Owner**: John B. Jordan
   - **Date**: Jul 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 Approprietor.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana this 5th day of November, A.D. 1942, at 9:54 o'clock, M.

County Clerk and Recorder

By

Deed filed 8-2-44
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

_ 1 John S. JORDAN_.

(Name of Appropriator)

Rock SPRINGS

(Address)

(Town)

County of GARFIELD

State of MONT.

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

1. (Name of Appropriator) (Address) (Town)

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1948 - 6 MONTHS PER YEAR SINCE 1948

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 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: NONE

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: REG PUMP ENGINE TO PUMP STATION; REA SINCE 1953 - NW 1/4 14TH R. 43E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1948 - WELL 1953 - REA

8. The depth of water table: 37' BELOW SURFACE

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: DRILLED WELL - 245 FT DEEP; REA POWER

10. The estimated amount of groundwater withdrawn each year: 3080,000 GALLONS

11. The log of formations encountered in the drilling of each well if available: 11 TO 200 SANDY SOIL 201 TO 220 ROCKY - 221 TO 235 HONEY COMB ROCK (SAND) 236 TO 245 CLAY

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 RECORDED RECORDS; SOME UNNATURAL PRESSURE IN HONEY COMB ROCK - VERY GOOD WATER

Signature of Owner

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.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana

By: "  30 day of , 1916"
A. D. 1916

125039

\$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)

1. JOHN JORDAN, of RACK SPRINGS, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   2. The beneficial use on which the claim is based, LIVESTOCK WATER.

   3. Date or approximate date of earliest beneficial use; and how continu-
      icous the use has been, 1952 - CONTINUOUSLY - ABOUT 5 MONTHS PER YEAR.

   4. The amount of groundwater claimed (in miner's inches or gallons
      per minute), 6 G.P.M.

   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 loca-
      tion 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 with-
      drawal of groundwater, 1952.

   8. The depth of water table, 250 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, DRILLED - 4" CASING - 330 FT DEEP.

   10. The estimated amount of groundwater withdrawn each year, 764,000 GALLONS.

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

   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, WATER LIMIT.

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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.

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

Owner: Adolph Thelen
Address: Helena

Driller: Floyd Halverson
Address: Miles City

Date of Notice of Appropriation of Groundwater

Date well started: 5-17-62
Date completed: 5-31-62

Type of well: Drilled
Equipment Used: Drilled

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>54f</td>
<td>8 ft.</td>
<td>0</td>
<td>250</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 90 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level: 175 feet at 7 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: Balanced
Length of Test: 3 days.
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)

Sec 17 T. 16 N R. 43 E

Location

\(\frac{1}{4}\) Sec., T., R.,
Indicate location of well and place of use, if possible. Each small square represents 10 acres.
Show exact depth of bottom.

Driller's License Number: D-6
Driller's Signature: Floyd Halverson

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
OFFICE OF STATE ENGINEER

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

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

<table>
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<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></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
   Domestic and Stock

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

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
   Electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   commenced and completed in the month of September, 1906

8. The depth of water table
   150 feet

9. So far as it may be available, the type, size and depth of each well (if general specifications of any other works for the withdrawal of groundwater
   4 inch casing; 8 inch pipe for pumping

10. The estimated amount of groundwater withdrawn each year
    about 30 head of cattle and domestic use

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

Date: April 25, 1962

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. **John B. Jordan**
   - **Name of Appropriator**
   - **Address**
   - **Town**

   **County of Garfield**
   - **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 Water**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1944 - 3 MONTHS PER YEAR SINCE 1944**

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

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: **Reg. Pump 2 1/2" Cyl. S.E. Secs. 1 & 2, S.F. 16 R. 43 E.**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1947**

8. The depth of water table: **60 FT BELOW SURFACE**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: **Drilled - 4" Casing - 120 FT DEEP - ENGINE OR WIND MILL - 8' WHEEL.**

10. The estimated amount of groundwater withdrawn each year: **170,000 GALLONS.**

11. The log of formations encountered in the drilling of each well if available: **170 SP. CLAY**

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including recorded records or human or livestock use

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

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

Northern Pacific Railway Company, of N.P. Bldg., St. Paul
(Name of Appropriator) (Address) (Town)
County of Ramsey State of Minnesota

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: Furnishing...water for livestock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continued since 1958.

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.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well, drilled in 1958.

8. The depth of water table: 90 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: 160 foot deep 4-inch casing.

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

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 available.

Northern Pacific Railway Company
Signature of Owner
Dist. Supervisor, Gra. & Cult.
Date: DEC 10 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
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of M., on the
day of , 19_.

A. B. 19_

County Clerk and Recorder

Fee Paid $__

[Signature]
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA E. JORDAN, of GROVE, ROBERT MILES CITY
   (Name of Appropriator) (Address)
   County of GARFIELD State of MONT.
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use: 1946 WINTER

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

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 + ENGINE 1946 TO 56
   PUMP + R.E.A. 1956 TO 63

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1946

8. The depth of water table: 10 FEET IN DIFFERENT DEPTHS

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, 4' CASING, 200 FT DEEP

10. The estimated amount of groundwater withdrawn each year: 177,100 GALLONS

11. The log of formations encountered in the drilling of each well if available: 21 TO 80 CLAY - 81 TO 100 SANDY
    101 TO 150 CLAY - 151 TO 165 SANDY - CLAY

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: GOOD LIVESTOCK WATER SUPPLY LIMITED.

Signature of Owner: OLGA E. JORDAN
Date: DEC 30 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
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, Kingdom of Montana,
this ___ day of ___

A.D. ___


County Clerk and Recorder
By

Perf. Dpl. $__

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>OLGA E JORDAN</td>
<td>CRAWFORD</td>
<td>Miles City</td>
</tr>
</tbody>
</table>

County: GARFIELD  
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: **LIVESTOCK WATER**

3. Date of approximate date of earliest beneficial use, and how continuous the use has been: **1938 - 310 HOURS WINTER MONTHS**

4. The amount of groundwater claimed (in pulser'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: **NONE**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: **PUMP ENGINE 1935 TO 1956 - PUMPING EAT, AS TIES NEAR WELL SEC 26 T7N 43E**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **WELL IN 1938, REM A 1957**

8. The depth of water table: **WELL Flows 3 GALLONS PER MINUTE**

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 40 FT., CASING 40 FT., DEEP ORIGIN UNKNOWN.**

10. The estimated amount of groundwater withdrawn each year: **Wells 177000 GPM IN 7 MONTHS, PUMPS 350000 GPM IN 3 MONTHS**

11. The log of formations encountered in the drilling of each well if available: **NO LOG 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: **VERST GOOD WATER**

Signature of Owner: Olga E Jordan  
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
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1917.
Owner: Northern Pacific Railway Company, Address: St. Paul, Minn.
Contractor (if any): 
Address of Contractor: 
Date Started: 
Date Completed: 

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Spring used since 1917.

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. Spring

one gallon per minute, measured over
a period of time.

Northern Pacific Railway Company
Signature of Owner: 
Dist. Supervisor, Gras. & Cult.: 
Date: DEC 10, 1963

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the
works are located.

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

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

OLGA E. JORDAN, Crow Rock Rate Miles City

County of GARFIELD 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 WATER

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1949 - 3-4 WINTER MONTHS

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 - 6 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: NONE

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

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

8. The depth of water table: WATER FLAWS 1/2 GPM.

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 - 4' CASING 80' DEEP

10. The estimated amount of groundwater withdrawn each year: 177,000 GALLONS NAT. FLOW

11. The log of formations encountered in the drilling of each well if available: 13 TO 60 CLAY - 61 TO 80 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: GOOD WATER NO RECORDS

Signature of Owner: OLGA E. JORDAN
Date: DEC 30 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 Bureau of Mines and Geology, and Quadruplicate for the Appropirator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>Jordan John A. C. C.</td>
<td>598.4</td>
<td>125041</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Jordan John A.</td>
<td>49.1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Rosinski Lawrence</td>
<td>49.3</td>
<td>124944</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Rosinski Lawrence</td>
<td>49.4</td>
<td>124945</td>
<td></td>
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<tr>
<td>10</td>
<td>Jordan John B.</td>
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<td>125037</td>
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<tr>
<td>12</td>
<td>Jordan John B.</td>
<td>49.4</td>
<td>125036</td>
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<td>14</td>
<td>Jordan John B.</td>
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<tr>
<td>24</td>
<td>Jordan John B.</td>
<td>49.4</td>
<td>125043</td>
<td></td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

**Owner:** John B. & A. C. Jordan  
**Address:** Miles City, Montana  
**County:** Garfield

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

**Date Started:** August 16, 1959  
**Date Completed:** August 31, 1959

**Location:** Sec. 16, T. 16 N., R. 54 W.

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 368 ft.</th>
<th>Type: Std. pipe</th>
<th>Size:</th>
<th></th>
</tr>
</thead>
</table>

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

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

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

**Static Water level, for non-flowing well:** 115 feet.

**Shut-in pressure, for flowing well:** 150 lb./sq. in. on: (date)

**Pumping water level:** 150 feet at 5 gal. per min.

**How tested:** Baller

**Length of test:** 1 hour

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-15</td>
<td>Top soil</td>
</tr>
<tr>
<td>15-70</td>
<td>Yellow loam &amp; shale</td>
</tr>
<tr>
<td>70-120</td>
<td>Blue shale</td>
</tr>
<tr>
<td>120-160</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>160-162</td>
<td>Blue shale</td>
</tr>
<tr>
<td>162-170</td>
<td>Coal</td>
</tr>
<tr>
<td>170-280</td>
<td>Blue shale</td>
</tr>
<tr>
<td>280-340</td>
<td>Gray sandstone</td>
</tr>
<tr>
<td>340-368</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)

John B. Jordan
of Rock Springs
County of Garfield
State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

1. Name of Appropriator
2. Address
3. Town
4. County
5. State

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

3. Date of earliest beneficial use; how continuous the use has been:

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

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 record:

Signature of Owner:

Date:

Three copies 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.

23298
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Natural Spring
Owner: Lawrence Losinski
Address: Rock Springs
Contractor (if any): None
Address of Contractor:

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
to water when applicable. Natural Spring which runs into
a cement reserve tank - 2 ft. to water, in tank.

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.... 3/4 gallon per
minute... Used about 4 months out of the year.

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

Signature of Owner:

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

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Lawrence Lontsolk    of Rock Springs
(Name of Appropriator) (Address) (Town)
County of Garfield State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been .5-26-56 and used continuously.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   5-21-56 begun - 5-26-56 completed

8. The depth of water table 3270 ft. to water

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   Drilled well, 10 casing used, 150 ft. deep

10. The estimated amount of groundwater withdrawn each year 1 million gallons per 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.
   None

Signature of Owner

Date Dec. 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.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
the 26th day of June,

A. D. 19__

Notary Public

County Clerk and Recorder

By

Deputy

Fee Paid $ 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)

John B. Jordan
(Name of Appropriator)
Rock Springs
(Address)

GARFIELD
County
Montana
State

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

1. Stock water

2. The beneficial use on which the claim is based: 1,000 GALLONS

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1940 - 6 MONTHS PER YEAR - 1940 to 1943

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

5. If the use is 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: P.E.P. PUMP + WINDMILL

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 each well: 100 FEET BELOW SURFACE

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: DRILLED WELL: 4" CASING 20'; DEEP 10' WINDMILL

10. The estimated amount of groundwater withdrawn each year: 478,400 GALLONS

11. The log of formations encountered in the drilling of each well if available: 1. TO 125 CLAY, WITH INTERMITTENT COAL + SHALE 125 TO 140 SAND, 141 TO 160 CLAY 161 TO 200 CLAY 201 TO 220 SAND, 221 TO 240 CLAY

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 RECORDED RECORD. REASONABLE SUPPLY OF WATER, GOOD FOR STOCK - UNFIT FOR HUMANS.

Signature of Owner: John B. Jordan
Date: 1/31/1963

Three copies to be filed in the office of 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 to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Declaration of Water Groundwater Rights

(Section 237, Montana Session Laws, 1961)

County of GARFIELD

STATE ENGINEER

RECEIVED JAN 6 1964

John B. Jordan, of Rock Springs

of GARFIELD

State of MONT.

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

2. The beneficial use of which the claim is based: LIVESTOCK WATER

3. Date of appropriation: 1936

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

5. If used for irrigation, give the acreage and description of the lands to which 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: REG. PUMP + GAS ENGINE 1936; 1761

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: WELL + PUMP 1936

8. The depth of water table: 110 FEET

9. So far as it may be available, the type, size and depth of each well or other works for the withdrawal of groundwater: DRILLED = 4 HEATING 150 DEEP 2% PUMP CYL. 1% PUMP PIPE

10. The estimated amount of groundwater withdrawn each year: 432,000 GALLONS

11. The log of formations encountered in the drilling of each well if available: 170 125 CLAY WITH INTERMITTENT COAL OR SHALE, 126 TO 140 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: CONSIDERABLE COAL + SHALE WATER SUPPLY VERY LIMITED - GOOD STOCK WATER UNFIT FOR HUMAN USE

Signature: John B. Jordan

Date: DEC 8 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
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 30 day of
A.D. 19

County Clerk and Recorder

By: 
Deputy
DECLARATION OF VESTED GROUNDWATER RIGHTS

DECLARATION OF VESTED GROUNDWATER RIGHTS

1. Lawrence Losinski, of Rock Springs, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>Stock Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>NE 1/4, Sec. 17 T. 16 R. 14</td>
</tr>
<tr>
<td>Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.</td>
</tr>
</tbody>
</table>

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

Stock Well

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

1943, and used continuously since

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 each water from the ground and the location of each well or other means of withdrawal:

Windmill

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

9-15-43 begun — 9-16-43 completed

8. The depth of water table:

80 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, 13 ft. casing used, 225 ft. deep

10. The estimated amount of groundwater withdrawn each year:

300,000 gallons per 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:

None

Signature of Owner:

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, no state, otherwise the form will be returned.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and Recorder of Garfield County, State of Montana.

[Signature]
A.B. [Signature]
County Clerk and Recorder

[Signature]
Deputy

Fee Paid: $ 25.00

[Signature]
Declaration of Vested Groundwater (Under Chapter 237, Montana Session Laws, 1961)

1. John B. Smith, of Rock Springs, State of Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1944, per year since 1944.

4. The amount of groundwater claimed (in mine's inches or gallons per minute): 10 g.p.m. for livestock plus irrigation water if sufficient.

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: NE 1/4 SE 26, T. 116, R. 44W.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1944.

8. The depth of water table: 37'.

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 well - dewatering.

10. The estimated amount of groundwater withdrawn each year: 77,600 gallons.

11. The log of formations encountered in the drilling of each well if available: 1.50 clay, 34 to 40 coal, with some water at 110 to 120', some shale and coal at 111 to 120', shales with unlimited supply of water.

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 or large supply of water: No large supply of water. No facilities to check amount - very good drinking water. No recorded records.

Signature of Owner: [Signature]
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; Duplicates to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this 30 day of ___________
A.D. 19__

County Clerk and Recorder

RECEIVED

For Paid $2.00

2/8/12
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
<td>3</td>
<td>Crouse, Vernon, et al.</td>
<td>481, 482</td>
<td>1341847</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Continental Oil Company</td>
<td>5711290</td>
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<td>26</td>
<td>Continental Oil Company</td>
<td>5711290</td>
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<tr>
<td>27</td>
<td>Moore, Robert, et al.</td>
<td>494</td>
<td>121736</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Vernon Roxton
Address: Meaby, Mont.

Driller: Manson Drilling Co.
Address: Grose Range, Mont.

Date of Notice of appropriation of groundwater: not applicable
Date of Notice of completion: Dec. 12, 1969
Date completed: Jan. 15, 1970

Type of well: drilled
Equipment used: rotary

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>Stratum Description</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcareous- chunky lime base slate</td>
<td>3-7/8</td>
<td>14/11</td>
</tr>
<tr>
<td>Third Sand Tops</td>
<td>12</td>
<td>41</td>
</tr>
<tr>
<td>Limey sand-green clay streaks</td>
<td>6 3/4</td>
<td>1411</td>
</tr>
<tr>
<td>Limey shale (fractured)</td>
<td>6 3/4</td>
<td>1411</td>
</tr>
<tr>
<td>Grey sand (tite)</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Very cavy shales</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Fractured shales</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Shale and hard calcite sand layers</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Sandy shales</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Limestone sand-shale-sandy lime streaks</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Sandy shale-shale - short streaks</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Some clay streaks</td>
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</tr>
<tr>
<td>Kootenay Tods</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
</tbody>
</table>

How Tested:
Length of Test:
Remarks:

Static Water Level for non-flowing well
Shut-in Pressure for Flowing Wells 890
Pumping Water Level
Discharge in gal. per min. of flowing well 500T

Notes:

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, one copy to be retained by driller.

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

Driller's License Number
Driller's Signature

Driller's Address

MONTANA WATER RESOURCES BOARD
RECEIVED

JAN 30 1970

COUNTY: Garfield

Owner: Vernon Roxton
Address: Meaby, Mont.

Driller: Manson Drilling Co.
Address: Grose Range, Mont.

Date of Notice of appropriation of groundwater: not applicable
Date of Notice of completion: Dec. 12, 1969
Date completed: Jan. 15, 1970

Type of well: drilled
Equipment used: rotary

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>Stratum Description</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcareous- chunky lime base slate</td>
<td>3-7/8</td>
<td>14/11</td>
</tr>
<tr>
<td>Third Sand Tops</td>
<td>12</td>
<td>41</td>
</tr>
<tr>
<td>Limey sand-green clay streaks</td>
<td>6 3/4</td>
<td>1411</td>
</tr>
<tr>
<td>Limey shale (fractured)</td>
<td>6 3/4</td>
<td>1411</td>
</tr>
<tr>
<td>Grey sand (tite)</td>
<td>3-7/8</td>
<td>14/11</td>
</tr>
<tr>
<td>Very cavy shales</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Fractured shales</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Shale and hard calcite sand layers</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Sandy shales</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Limestone sand-shale-sandy lime streaks</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Sandy shale-shale - short streaks</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Some clay streaks</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
<tr>
<td>Kootenay Tods</td>
<td>12&quot;</td>
<td>5/8</td>
</tr>
</tbody>
</table>

How Tested:
Length of Test:
Remarks:

Static Water Level for non-flowing well
Shut-in Pressure for Flowing Wells 890
Pumping Water Level
Discharge in gal. per min. of flowing well 500T

Notes:

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, one copy to be retained by driller.

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

Driller's License Number
Driller's Signature
Newton, Vernon

To

U. S. Well Appropriation

State of Montana

County of Daniels.

I hereby record the

Day of

Jan. 14, 1920, at 4:30

and duly recorded in Book

Charles E. Langford

County Clerk and Recorder

[Signature]

Deputy

Sec. 12

Page 1
MONTANA BUREAU OF MINES AND GEOLOGY

WATER WELL LOG

Owner: Continental Oil Co.
Address: Box 879, Powell, Wyoming

Driller: Address:

Date Started: 6-7-26
Date Completed: 6-22-26

Location: Sec. 26 T. 15N R. 30E §/4 sec. SW 1/4

Type of well: Drilled
Equipment used: Cable tools

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

Drainage [ ] Other: Water flooding

Casing: 14 ft. to 141/2 ft. Type: [ ] Size: 6 5/8

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

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

Perforated or Screened: Ft. to ft.

Type of screen or perforations: Open hole

Static Water level, for non-flowing well:

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

Pumping water level: 127 ft. at 30 B/M, water: gal. per min.

How tested: Tank test

Length of test:

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

Water to be used for water flooding: (at present, well is producing oil and water.)

__________________________

(over)
<table>
<thead>
<tr>
<th>Depth Range (feet)</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 20</td>
<td>Clay and shale</td>
</tr>
<tr>
<td>20 - 100</td>
<td>Gray shale</td>
</tr>
<tr>
<td>100 - 200</td>
<td>Gray sandstone</td>
</tr>
<tr>
<td>200 - 300</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>300 - 400</td>
<td>Blue shale</td>
</tr>
<tr>
<td>400 - 500</td>
<td>Water sand</td>
</tr>
<tr>
<td>500 - 600</td>
<td>Gray sandstone</td>
</tr>
<tr>
<td>600 - 700</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>700 - 800</td>
<td>Blue shale</td>
</tr>
<tr>
<td>800 - 900</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>900 - 1000</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>1000 - 1100</td>
<td>Blue shale</td>
</tr>
<tr>
<td>1100 - 1200</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>1200 - 1300</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>1300 - 1400</td>
<td>Blue shale</td>
</tr>
<tr>
<td>1400 - 1500</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>1500 - 1600</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>1600 - 1700</td>
<td>Blue shale</td>
</tr>
<tr>
<td>1700 - 1800</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>1800 - 1900</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>1900 - 2000</td>
<td>Blue shale</td>
</tr>
<tr>
<td>2000 - 2100</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>2100 - 2200</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>2200 - 2300</td>
<td>Blue shale</td>
</tr>
<tr>
<td>2300 - 2400</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>2400 - 2500</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>2500 - 2600</td>
<td>Blue shale</td>
</tr>
<tr>
<td>2600 - 2700</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>2700 - 2800</td>
<td>Blue sandstone</td>
</tr>
<tr>
<td>2800 - 2900</td>
<td>Blue shale</td>
</tr>
<tr>
<td>2900 - 3000</td>
<td>Sandy shale</td>
</tr>
</tbody>
</table>
WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Continental Oil Co.</th>
<th>Address</th>
<th>Box 678, Powell, Wyoming</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td></td>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td>3-30-22</td>
<td>Date Completed</td>
<td>4-16-22</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 26 T. 15N R. 30E</td>
<td>1/4 sec. 34 NW</td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Casing: Surface</th>
<th>ft. to</th>
<th>14 34 ft.</th>
<th>Type</th>
<th>20 lb</th>
<th>Size</th>
<th>6 5/8&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:---------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:---------</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened: Ft.</td>
<td>to ft.</td>
<td>Ft.</td>
<td>to ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| Type of water management: Open hole | |
|-------------------------------------| |

<table>
<thead>
<tr>
<th>Static, lb.</th>
<th>lb.</th>
<th>acre for non-flowing well:</th>
<th>feet.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static, lb.</td>
<td>lb/sq. in. on:</td>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>ft.</td>
<td>14 34</td>
<td>feet at</td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
<td>Tank test</td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) Water to be used for water flooding. At present well is producing oil and water.

<p>| (over) |</p>
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6</td>
<td>Moshy Sand</td>
<td>1240</td>
<td>1260</td>
</tr>
<tr>
<td>6 - 1023 1/2</td>
<td>Gray and black shale</td>
<td>1260</td>
<td>1262</td>
</tr>
<tr>
<td>1029 1/2 - 1029</td>
<td>Hard sand</td>
<td>1262</td>
<td>1234</td>
</tr>
<tr>
<td>1029 - 1037</td>
<td>Black sandy shale</td>
<td>1234</td>
<td>1236</td>
</tr>
<tr>
<td>1037 - 1040</td>
<td>Light gray shale</td>
<td>1236</td>
<td>1244</td>
</tr>
<tr>
<td>1040 - 1043</td>
<td>Sand</td>
<td>1244</td>
<td>1250</td>
</tr>
<tr>
<td>1043 - 1066</td>
<td>Gray and dark shale</td>
<td>1250</td>
<td>1257</td>
</tr>
<tr>
<td>1066 - 1067</td>
<td>Sand</td>
<td>1257</td>
<td>1276</td>
</tr>
<tr>
<td>1067 - 1075</td>
<td>Gritty shale</td>
<td>1276</td>
<td>1284</td>
</tr>
<tr>
<td>1075 - 1080</td>
<td>Sand</td>
<td>1284</td>
<td>1297</td>
</tr>
<tr>
<td>1080 - 1089</td>
<td>Gritty shale</td>
<td>1297</td>
<td>1303</td>
</tr>
<tr>
<td>1089 - 1097</td>
<td>Hard sandy lime</td>
<td>1303</td>
<td>1307</td>
</tr>
<tr>
<td>1097 - 1118</td>
<td>Hard sandy shale</td>
<td>1307</td>
<td>1337</td>
</tr>
<tr>
<td>1118 - 1130</td>
<td>Light sandy shale</td>
<td>1337</td>
<td>1339</td>
</tr>
<tr>
<td>1130 - 1140</td>
<td>Sand (water)</td>
<td>1339</td>
<td>1443</td>
</tr>
<tr>
<td>1140 - 1142</td>
<td>Shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1142 - 1152</td>
<td>Water sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1152 - 1156</td>
<td>Bentonite</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1156 - 1202</td>
<td>Sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1202 - 1204</td>
<td>White sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1204 - 1207</td>
<td>Sand</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1207 - 1210</td>
<td>White shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1210 - 1220</td>
<td>Shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1220 - 1224</td>
<td>White shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1224 - 1240</td>
<td>Sand</td>
<td></td>
<td></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

1. R. L. Moss, also known as Robert Moss, of Moshby, County of Garfield, 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 is domestic use and irrigation of vegetables. Sec. 27-15-30.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been approximately May of 1923 and continuously thereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 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. Existing artesian well located in center of Section 27-15-30.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Commenced and completed approximately May of 1923.

8. The depth of water table approximately 1200 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. Approximately 1200 feet of 10 inch casing into hole drilled 3100 feet deep discharging into three discharge pipes ranging from 8 to 3/4 inch.

10. The estimated amount of groundwater withdrawn each year 5,256,000 gallons.

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

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 not applicable.

Signature of Owner

Date: January 7, 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.

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