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

1. Michael L. Boulanger, of ______, of ______.
   (Name of Appropriator) (Address) (Town)

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

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

   8. The depth of water table...

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

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 The estimated amount of groundwater withdrawn each year...

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

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

   Signature of Owner...

   Date...

1964
STATE OF MONTANA,
MUSSELSHELL COUNTY,

Filed this 30 Day of Dec., A.D. 1963
At 2:30 o'clock P.M.

H. H. Malone
County Recorder

Frank E. Dawson
Deputy
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

I, [Name of Appropriator], of [Address] in the County of [County] and 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:
   [Details]

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

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

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 ground water:
   [Details]

8. The depth of water table:
   [Details]

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:
    [Details]

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 count record:
    [Details]

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

[Administrator of groundwater code]
Office of State Engineer
STATE OF MONTANA,
MUSSEL SHELL COUNTY,  

FILED THIS __1__ DAY OF  
November __4__ A.D. __6__ 
AT __12:18__ O'CLOCK P.M.  

R. M. HEATH  
COUNTY RECORDER  
Frances P. Dawson  
RECORDER
## WATER WELL LOG

**Owner:** Midget Bros.  
**Address:**  
**Driller:** Clyde Londo  
**Address:**  
**Date Started:** June 14, 1958  
**Date Completed:** June 16, 1958

**Location:** Sec. 28 T. 4 R. 1/4 sec.

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

**Water use:**  
- Domestic  
- Municipal  
- Stock ✓  
- Irrigation □  
- Industrial □  
- Drainage □  
- Other:  

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>260</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

| Type of screen or perforations: | |
|--------------------------------||
|                                | |

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

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

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

**How tested:**

**Length of test:**

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

© (over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 150</td>
<td></td>
<td></td>
<td>grey shale and sandstone</td>
</tr>
<tr>
<td>150 - 152</td>
<td></td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>152 - 250</td>
<td></td>
<td></td>
<td>grey shale and sandstone</td>
</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner:** Fearless Oil & Gas Company  
**Address:** Mytana Ranch Division

**Driller:** Gordon Scammel  
**Address:** Roundup, Montana

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

**Location:** Sec. 1, T. 10N, R. 1/4 sec.  
**County:**

**Type of well**  
**Equipment used**

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

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

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

**Type of screen or perforations**

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

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

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

**How tested:**

**Length of test:**

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

---

(over)
Billings CORE-LAB

WATER ANALYSIS REPORT

Lab. No. 1116

To: Mr. Jordan Sargent
Address: Box 331, Townsend, Montana
Sample from: Water at Mill No. 13, Montana
Intended use: Domestic

<table>
<thead>
<tr>
<th>Constituents</th>
<th>Parts per Million</th>
<th>Total Solids in Parts per Million</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sodium</td>
<td>1.41</td>
<td>By evaporation</td>
</tr>
<tr>
<td>Calcium</td>
<td>158</td>
<td>After ignition</td>
</tr>
<tr>
<td>Magnesia</td>
<td>126</td>
<td>Calculated</td>
</tr>
<tr>
<td>Sulfate</td>
<td>2.475</td>
<td>pH ... 7.3</td>
</tr>
<tr>
<td>Chloride</td>
<td>133</td>
<td>Specific gravity</td>
</tr>
<tr>
<td>Chloride</td>
<td>100</td>
<td>1.14</td>
</tr>
<tr>
<td>Bicarbonate</td>
<td>471</td>
<td>Resistivity 630 ohms per meter cubed</td>
</tr>
<tr>
<td>Total Solids</td>
<td></td>
<td>2.05</td>
</tr>
<tr>
<td>Soluble Silica</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Iron</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Total hardness as calcium carbonate ... 52 grains U.S. gallon

Remarks: Not suitable for domestic use. Water is mainly sodium sulfite and bicarbonate and is too high in total solids. Could be used for stock.

SPECIALIZING IN CORE, WATER, GAS AND CRUDE OIL ANALYSES
POUNDS STILL NO. 18 - SE 1/4 Section 1 T 10 N
LOWER RANCH

0 - 6 ft Rocky top soil
6 - 14 Sand and gravel
14 - 36 Dark shale sticky
36 - 50 Thin sandstone broken
50 - 70 Shale dark brown

Set 19 feet 8 inches through gravel.
6 inch set 70 feet, perforated 34 to 40 feet.
Water 16 feet from top of ground.
## WATER WELL LOG

**Owner:** Gordon Sisson  
**Address:** Roundup, Montana

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

**Location:** Sec. __________ T. __________ R. __________ 4 4 sec.

<table>
<thead>
<tr>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dig, driven, bored, or drilled)</td>
<td>Churn drill (Churn drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

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

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

**Type of screen or perforations:**

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

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

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

**How tested:**

**Length of test:**

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

**Cementing:**

---

(over)
LABORATORY REPORT

Lab No. 3169

To: GORDON SCAMMON
Address: P. O. BOX 431, ROUNDUP, MONTANA

WATER ANALYSIS

WYTANA CATTLE COMPANY
MUSSEL SHELL COUNTY, MONTANA
PRONGHORN RAUCH WATER WELL NO. 27
JUDITH RIVER 30-175'
2nd WATER SAMPLE

<table>
<thead>
<tr>
<th>CONSTITUENTS</th>
<th>PARTS PER MILLION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM</td>
<td>626</td>
</tr>
<tr>
<td>CALCIUM</td>
<td>206</td>
</tr>
<tr>
<td>MAGNESIUM</td>
<td>189</td>
</tr>
<tr>
<td>SULFATE</td>
<td>2243</td>
</tr>
<tr>
<td>CHLORIDE</td>
<td>50</td>
</tr>
<tr>
<td>CARBONATE</td>
<td>0</td>
</tr>
<tr>
<td>BICARBONATE</td>
<td>305</td>
</tr>
</tbody>
</table>

TOTAL SOLIDS:
CALCULATED 3464

TOTAL HARDNESS AS CaCO₃ 72.7 GRAINS PER US GALLON.
PH 7.4
SPECIFIC GRAVITY @ 60°F 1.005
RESISTIVITY @ 60°F, OHMS PER METER CUBED 2.62

REMARKS: SUITABLE FOR LIVESTOCK USE.
LABORATORY REPORT

To: GORDON SCALMON
Address: BOX 431, ROUNDUP, MONTANA

WATER ANALYSIS

WYTANA CATTLE COMPANY
MUSSEL SHELL COUNTY, MONTANA
WELL NO. 27
JUDITH RIVER (?) 65' TEST

<table>
<thead>
<tr>
<th>CONSTITUENTS</th>
<th>PARTS PER MILLION</th>
</tr>
</thead>
<tbody>
<tr>
<td>SODIUM</td>
<td>173</td>
</tr>
<tr>
<td>CALCIUM</td>
<td>29</td>
</tr>
<tr>
<td>MAGNESIUM</td>
<td>15</td>
</tr>
<tr>
<td>SULFATE</td>
<td>3222</td>
</tr>
<tr>
<td>CHLORIDE</td>
<td>85</td>
</tr>
<tr>
<td>CARBONATE</td>
<td>0</td>
</tr>
<tr>
<td>BICARBONATE</td>
<td>475</td>
</tr>
</tbody>
</table>

TOTAL SOLIDS:
BY EVAPORATION 5324
AFTER IGNITION 5024
CALCULATED 5213

TOTAL HARDNESS AS CaCO₃ 7.8 GRAINS PER US GALLON.

pH 7.7

SPECIFIC GRAVITY @ 60°F 1.008

RESISTIVITY @ 60°F, OHMS PER METER CUBED 1.74

REMARKS: NOT SUITABLE FOR LIVESTOCK.
**BJ SERVICE, INC.**

**CEMENTING OPERATIONS WORK SHEET**

**CUSTOMER ORDER NO:**

**DATE:** 7/1/1957

**DIVISION:** P

**DISTRICT:** Townsend

**FIELD:** White Wolf

**COUNTY:** Montana

**OWNER OF WELL:** Natoma Lattie, Co.

**WELL NO:** 29

**LEASE:** Natoma Lattie, Co.

**AUTHORIZED BY:** Gordon Freeman

**MAIL INVOICE TO:** Natoma Lattie, Co.

**CITY:** Townsend

**STATE:** Montana

**TYPE JOB:** Surface casing

**DEPTH:** 10 ft

**CEMENT DATA:**
- **Bulking:** Sacs
- **Type:** Bulk Ticket No. 8

**SURFACE & INTERMEDIATE**

**PRODUCTION**

**REMEDIAL**

**SITE HOLE:**
- **Depth:**
  - **Top: 100 ft**

**SAND & WATER:**
- **Depth:**
  - **Top: 100 ft**

**TOE PLUGS:**
- **Volume:**
  - **Cement Well Trated:**

**BARE CEMENT:**
- **Volume:**
  - **Cement Trated:**

**Other:**
- **Amount Trating Chemical:**

**Type Head:**
- **Bulking:**

**Manifold:**
- **Trated Cement:**

**Additional Instructions or Data:**

**CONTRACT CONDITIONS:**

Contract conditions are applicible.

**TIME:**

<table>
<thead>
<tr>
<th>Time</th>
<th>Hour</th>
<th>PM</th>
<th>When Balanced During Waiting Time, Then the Time is in Br. Then or On Cell.</th>
</tr>
</thead>
<tbody>
<tr>
<td>5:30 AM</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STATION CLOCK:**

|     |     |     |                                                                            |
| 6:00 AM | 7:15 AM | 9:15 AM | 4:45 PM |

**FLOODED CLOCK:**

|     |     |     |                                                                            |
| 9:15 AM | 4:45 PM | 6:00 AM | 8:00 AM |

**FLUID PUMPED:**

|     |     |     |                                                                            |

**PRESSURE MISC.:**

|     |     |     |                                                                            |

**Cement Left In Pipe:**

|     |     |     |                                                                            |
| 143 ft | Requested | Necessity | () |

**Pumped Down By:**

|     |     |     |                                                                            |
| Pump Truck | Rig Pump | |

**MEASURED DISPLACEMENT:**

|     |     |     |                                                                            |
| Volume | Wire Line |  |

**MILES FROM STATION TO WELL:**

|     |     |     |                                                                            |
| 3.5 M | 3.5 M | 3.5 M | 3.5 M |

**PRICING DATA:**

|     |     |     |                                                                            |
| Base Change: Code I-A | Job at 80 H. depth 195' | 189.00 | 189.00 |

**ADJ. CHANGE:**

|     |     |     |                                                                            |
| ft. @ | per ft. |  |

**MATERIALS:**

|     |     |     |                                                                            |
|  |

**CIRCULATION:**

|     |     |     |                                                                            |
|  |

|     |     |     |                                                                            |
|  |

|     |     |     |                                                                            |
|  |

|     |     |     |                                                                            |
|  |

**MEASUREMENT: 1 ft. per Stage:**

|     |     |     |                                                                            |
|  |

**STANDING TRUCK NO:**

|     |     |     |                                                                            |
|  |

**REMARKS:**

Please invoice in triplicate.

The above job was performed.

Signed: [Signature]

Agent of Owner or Contractor

[Signature]
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 337, Montana Session Laws, 1961)

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

1. ........................................ of ........................................ County of ........................................ State of ........................................

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

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

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

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

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

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

8. The depth of water table: ........................................

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

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

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

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

Signature of Owner: ........................................

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

<table>
<thead>
<tr>
<th>County of</th>
<th>State of</th>
</tr>
</thead>
<tbody>
<tr>
<td>[Name of Appropriator]</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Description of Land</th>
<th>Date of Earliest Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.</td>
<td>[Beneficial Use]</td>
<td>[Date]</td>
</tr>
<tr>
<td>3.</td>
<td>[Date]</td>
<td>[Continuous Use]</td>
</tr>
<tr>
<td>4.</td>
<td>[Amount Claimed]</td>
<td>[Per Minute]</td>
</tr>
</tbody>
</table>

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

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

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

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

RECEIVED
JUN 23 1964
STATE ENGINEER
Administrator of groundwater Code
Office of State Engineer

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

<table>
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<th>State of</th>
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<tr>
<td>3.</td>
<td>[Date]</td>
<td>[Continuous Use]</td>
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<tr>
<td>4.</td>
<td>[Amount Claimed]</td>
<td>[Per Minute]</td>
</tr>
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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.

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10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner: [Signature]
Date: [Date]
STATE OF MONTANA
MISSOURILJSHILL COUNTY

FILED THIS 31 DAY OF
Dec. 1963
A.D. 1963
M. 5:30 A.M.
B. H. MATZKE
COUNTY RECORDER
Gentlemen:

Enclosed find two corrected copies of Declaration of Vested Groundwater Rights, and one corrected copy of Notice of Completion of Groundwater Appropriation Without Well. I understand Gary Robinson of Musselshell, Montana, has already contacted you about these corrections.

Please send us a supply of GW-2 and GW-3 forms.

Thank you.

Yours very truly,
Claude F. Fletcher
Clerk & Recorder
Musselshell County

Lucille Stevens
Deputy Clerk
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

I, A. W. JENNINGS, of MISSOULA, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropriate: A. W. JENNINGS
2. Address: MISSOULA
3. County of Residence: MISSOULA
4. State of Residence: MONTANA

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

1. Name of Appropriate: A. W. JENNINGS
2. Address: MISSOULA
3. County of Residence: MISSOULA
4. State of Residence: MONTANA

2. The beneficial use on which the claim is based:
   1. For livestock
   2. For domestic purposes

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1/1/61 - 1/31/61

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 ground water:

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner: A. W. JENNINGS
Date: 6/30/1963

This was filed again in Ravalli County

20576
STATE OF MONTANA
MUSHKIN COUNTY

P. O. D. THIS 31st DAY OF
A. D. 1863

AT 4:30 O'CLOCK P.M.

FRANCIS
COUNTY RECORDER

FRANCIS
DEPUTY
Notice of Appropriation of Groundwater

1. I, (Name of Appropriator), (Address), (Town), County of , State of , intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is _______.
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed _______.

4. The annual period (inclusive dates) of intended use _______.

5. The probable or intended date of first beneficial use _______.

6. The probable or intended date of commencement and completion of the well* or wells* _______.

7. The location, type, size and depth of well or wells contemplated _______.

8. The probable or estimated depth of the water table or artesian aquifer _______.

9. Name, address and license number of the driller engaged _______.

10. Give such other similar information as may be useful in carrying out the policy of this act _______.

   Locate well or other means of development as accurately as possible on the plat _______.

Signature of Appropriator _______.

Date _______.

* As defined in the Code Sec. 1 (c) “Well” means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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.
Notice of Appropriation of Groundwater

(Under Chapter 237, Montana Session Laws, 1961)

1. Roy H. McConnick, of Bozeman, Musselshell, contemplates to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed

4. The annual period (inclusive dates) of intended use April 1st through Oct 1st

5. The probable or intended date of first beneficial use April 1st 1968 Tentative

6. The probable or intended date of commencement and completion of the well or wells Year of 1966

7. The location, type, size and depth of well or wells contemplated

8. The probable or estimated depth of the water table or artesian aquifer Not Known

9. Name, address and license number of the driller engaged Tentative

10. Give such other similar information as may be useful in carrying out the policy of this act

   to create water on the
   site of

   Dec 12, 1963

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As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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,
MUSSEL SHELL COUNTY.

Filed this 10 DAY OF
Dec 31 A.D. 1915
At 3:31 O'Clock P.M.

E. H. Matzke
Circuit Court

FRANCIS L. HARRIS
Circuit Court
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. Continental Oil Company of 200 N. Volcott, Casper, Wyo. 82601
   (Name of Appropriator) (Address) (Town)
   County of Natrona, State of Wyoming intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is waterflooding the Upper & Lower Tyler sands in the Log Coulee Field to recover additional oil.
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed: approximately 75 GPM

4. The annual period (inclusive dates) of intended use: January 1 through Dec. 31

5. The probable or intended date of first beneficial use: February 1, 1969

6. The probable or intended date of commencement and completion of the well: Perforate and test existing dry oil test starting 10-14-68 to 10-22-68.

7. The location, type, size and depth of well contemplated: Well drilled for oil but dry in Tyler sands: 4½". 9.5' casing set at TD 4660'.

8. The probable or estimated depth of the water table or artesian aquifer: Third Cat Creek sand & 3400'.

9. Name, address and license number of the driller engaged: Well Drilled by Patrick

10. Give such other similar information as may be useful in carrying out the policy of this act: It is proposed to perforate 4½' casing in this well.

   (Govt. #4) from 3300' to 3420' in the Third Cat Creek sand and test. If supply is adequate the well will be equipped with a pump, if necessary.

   Signature of Appropriator
   Date: September 30, 1968

As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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.
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

1. I, Continental Oil Company, of Box 348, Billings, (Name of Appropriator) of Yellowstone County, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Repressing the Tyler Sands in the Key Coulon Oil Field, Musselshell County, for more efficient recovery of the oil in place.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed is

   Approximate: 60 gpm

4. The annual period (inclusive dates) of intended use is 1964 to 1971 or to the depletion of the oil reserves of the Tyler Sands.

5. The probable or intended date of first beneficial use is October 1964.

6. The probable or intended date of commencement and completion of the well* or wells* is

   The well is drilled acased and will be recompleted in October 1964.

7. The location, type, size and depth of well or wells contemplated is 2033' FRL and 2033' FRL of Section 32, T11N-R31E, Musselshell Co., Montana - 6 3/4' hole drilled to TD 4661'.

8. The probable or estimated depth of the water table or artesian aquifer is 3930-3425'.

9. Name, address and license number of the driller engaged is Not applicable.

10. Give such other similar information as may be useful in carrying out the policy of this act.

   The Government No. 4 well (located as noted above) was drilled, cased & tested for oil production in the Lower Tyler "C" sand. The well proved to be non-commercial as an oil well and was permanently shut-in. Continental Oil Co. now proposes to perforate, squeeze cement, reperforate and complete the Third Cat Creek formation from 3930-3420' as a water source well. The water will be pumped with a submersible turbine pump.

   SE 1/4 Sec. 32 T11N R31E

   Locate well or other means of development as accurately as possible on the plat.

   Signature of Appropriator

   District Manager Continental Oil

   Date: 8-25-64

   Company

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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,
MUSSELHELL COUNTY.

FILED THIS 26 DAY OF
AUGUST A.D. 1964
AT 12 O'CLOCK P.M.

B. H. MATZKER
COUNTY RECORDER

DEPUTY

200
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(under Chapter 237, Montana Session Laws, 1961)

1. I, ___________________________ of_____________, Drawer 699, Lewistown
(Name of Appropriator) (Address) (Town)
County of ___________, State of ___________, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is ________________________
   (Not applicable)
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed: _______________________
   (gals./min.)

4. The annual period (inclusive dates) of intended use: _______________________
   (Year Long)

5. The probable or intended date of first beneficial use: _______________________
   (June 1, 1965)

6. The probable or intended date of commencement and completion of the well* or wells*: _______________________

7. The location, type, size and depth of well or wells contemplated: _______________________
   (SE 1/4 Sec. 19, T. 56 N., R. 25E. A drilled and cased well, 225', deep, 6" casing, Pump well)

8. The probable or estimated depth of the water table or artesian aquifer: _______________________
   (225')

9. Name, address and license number of the driller engaged: _______________________

10. Give such other similar information as may be useful in carrying out the policy of this act: _______________________
    (Inferred)
    *As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Signature of Appropriator: _______________________
District Manager: _______________________
Date: _______________________

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

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

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

FILED THIS 30th DAY OF
A.D. 1926
AT 1:50 O'CLOCK P.M.

B. H. MAI72
COUNTY RECORDER

DEPUTY
Notice of Appropriation of Groundwater

(237, Montana Session Laws, 1961)

1. Bureau of Land Management
   (Name of Appropriator) of Drawer 699, Lewistown
   (Address) (Town)

   County of Fergus, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is...

   Stockwater

   (Not applicable)

   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed...

   2000 gals./day

   @ 5 gals./min

4. The annual period (inclusive dates) of intended use...

   Year-long

5. The probable or intended date of first beneficial use...

   June 1, 1965

6. The probable or intended date of commencement and completion of the well* or wells*...

7. The location, type, size and depth of well or wells contemplated...

   NE 1/4 Sec 23, T 11N, R 25E. A drilled and cased well, 175', deep, 6' casing, Pump well

8. The probable or estimated depth of the water table or artesian aquifer...

   175'

9. Name, address and license number of the driller engaged...

10. Give such other similar information as may be useful

    in carrying out the policy of this act...

    * aquifer is the Eagle Sandstone. Water will be used at location for watering range livestock.

    [Diagram]

    SE 1/4 Sec 23... T 11N, R 25E.
    Locate well or other means of development as accurately as possible on the plat.

    Signature of Appropriator...

    /s/ Garth M. Colton

    District Manager

    Date: August 13, 1964

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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 Appropriation of Groundwater

1. I, Bureau of Land Management, of Drawer 699 Lewiston, (Name of Appropriator)
   County of Fergus, State of Montana, (Address) (Town)
   intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Stockwater.
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed: 2000 gals./day @ 5 gals./min.

4. The annual period (inclusive dates) of intended use: Year long.

5. The probable or intended date of first beneficial use: June 1, 1965.

6. The probable or intended date of commencement and completion of the well* or wells*:

7. The location, type, size, and depth of well or wells contemplated. SW1/4 SE1/4 Sec. 34, T 11N., R 25E. A drilled and cased well, 200' deep, 6' casing. Pump well.

8. The probable or estimated depth of the water table or artesian aquifier: 200'.

9. Name, address, and license number of the driller engaged: Garth M. Olton

10. Give such other similar information as may be useful in carrying out the policy of this act. Inferred:
    Aquifer is the Well Creek Sandstone.
    Water will be used at location for watering range livestock.

Signature of Appropriator: Garth M. Olton
District Manager
Date: August 13, 1964

* As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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 Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)


2. The beneficial use to which water is to be applied is Stockwater.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed is 5,000 gals./day at the rate of 30 gals./min.

4. The annual period (inclusive dates) of intended use is Year long.

5. The probable or intended date of first beneficial use is June 1, 1965.

6. The probable or intended date of commencement and completion of the well* or wells* is

7. The location, type, size and depth of well or wells contemplated is a drilled and cased well 1400 ft. deep, casing 2½ & 6». SMSENE, Sec. 21, T 11N., R 25E., a pumped well

8. The probable or estimated depth of the water table or artesian aquifier is 1,400 ft.

9. Name, address and license number of the driller engaged is

10. Give such other similar information as may be useful in carrying out the policy of this act. The well is intended to tap the Kootenai formation. Water will be taken to 6 pastures by approximately 6 miles of pipeline.

* As defined in the Code Sec. 1 (e) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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 Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. I, [Bureau of Land Management] of [Drover 699], [Lewistown] (Name of Appropriator) (Address) (Town)
   County of [Fergus], State of [Montana] intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is [Stockwater].
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed. [2000 gals./day]
   [95 gals./min.]

4. The annual period (inclusive dates) of intended use. [Year long]

5. The probable or intended date of first beneficial use. [June 1, 1965]

6. The probable or intended date of commencement and completion of the well or wells.*

7. The location, type, size and depth of well or wells contemplated. [SM. 31 Sec. 33, T. 16N., R. 25S. A drilled and cased well, 150' deep, 6' casing. Pump well.]

8. The probable or estimated depth of the water table or artesian aquifier. [150']

9. Name, address and license number of the driller engaged.

10. Give such other similar information as may be useful in carrying out the policy of this act. [Inferred artesian aquifer is the Fort Union Sandstone.]

   [Water will be used at location for watering range livestock.]

"As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn."

Three copies of this notice are to be filed with 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 of Appropriator]

[District Manager]

[Date: August 13, 1964]

[SM. 31 Sec. 33, T. 16N., R. 25S. Locate well or other means of development as accurately as possible on the plat.]

[Garth M. Colton]

[38534]
STATE OF MONTANA,
MUSSELSHELL COUNTY,

Filed this 30th day of August, A.D. 1964,
at 1:30 o'clock P.M.

B. H. Matuske
COUNTY RECORDER

Deputy
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. I, Bureau of Land Management of Drawer 699 Lewistown
(Name of Appropriator)
County of Fergus, State of Montana, intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is...Stockwater

3. The rate of use—in gallons per minute or miner's inches of groundwater claimed...2000 gals./day

4. The annual period (inclusive dates) of intended use...Year long

5. The probable or intended date of commencement and completion of the well* or wells*...June 1, 1965

6. The probable or intended date of first beneficial use...June 1, 1965

7. The location, type, size and depth of well or wells contemplated...R 24 E. A drilled and cased well, 125' deep, 6" casing. Pump well

8. The probable or estimated depth of the water table or artesian aquifer...125 ft.

9. Name, address and license number of the driller engaged...

10. Give such other similar information as may be useful in carrying out the policy of this act...Inferred aquifer is the Hell Creek Sandstone. Water will be used at location for watering range livestock.

* As defined in the Code Sec. 1 (e) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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.