**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of earliest beneficial use</th>
<th>Depth of water table</th>
<th>The means of withdrawing such water from the ground and the location of each well or other means of withdrawal of groundwater.</th>
</tr>
</thead>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1940 and 1948

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 of groundwater:

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

---

Signature of Owner: Leonard S. Sarty  
Date: 4/19/63
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder for the county in which the well is located, last copy to be retained by driller.
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Owner: 
Address: 
Date well started: 
Type of well: 
Equipment used: 
Water Use: Domestic [] Municipal [] Stock [] Irrigation [] Industrial [] Drainage [] Other [] Garden/Lawn []

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

ESTIMATED ANNUAL WITHDRAWAL:

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Water Use</th>
<th>Flow (GPM)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; 5' 10&quot; Plumb</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS:

<table>
<thead>
<tr>
<th>Size</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot;</td>
<td>40</td>
<td>60</td>
</tr>
</tbody>
</table>

Static water level: 10 ft.* Pumping water level: 40 ft.* at 10 gallons per minute measured 30 minutes after pumping began.
*Measured from ground level. Well developed by for hours.
Power: Diesel, Pump make: HP Remarks: (Gravel packing, cementing, packers, type of shutoff) 

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

Driller's Signature: 
Driller's Address: 

LICENSE NO: 

Show exact depth of bottom 

52,947
Completion of Later Well
Fred H. Pratte
&
Orphon

WIBAN COUNTY, MONTANA

FILED
Apr. 7, 1907
4:20 P.M.

Russell M. Magnuson

Clerk of the Court
<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>7</td>
<td>McNaney, Arthur</td>
<td></td>
<td>146-79-10</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Seter, Ole O Estate</td>
<td></td>
<td>147-59-94</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Seteran, Ole O Estate</td>
<td></td>
<td>147-59-95</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Texas Natural Gasoline Corp</td>
<td></td>
<td>147-59-95</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Texas Natural Gasoline Corp</td>
<td></td>
<td>147-59-95</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Texas Natural Gasoline Corp</td>
<td></td>
<td>147-59-95</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>McNaney, E.F.</td>
<td></td>
<td>147-05-84</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Shell Oil Company</td>
<td>81.4</td>
<td>147-30-39</td>
<td></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)

I. Arthur McNally
   (Name of Appropriator)
   of: Lewistown
   (Address)

County of
   Dawson
   State of Montana

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

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

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

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

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

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

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

8. The depth of water table ...

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

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

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

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

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.

Signature of Owner

Date: Dec. 31, 1962
66486

Declaration of United

Andrew T. F. Nancy

Public

FILLED

FILA COUNTY, MONTANA
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

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

County of (State of )

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.

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

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Information recorded by

Signature of Owner.

Date.

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

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

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

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

1. Old Serran Estate, ot.

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:

Date:

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
### Water Well Log

**Owner:** Texas Natural Gasoline Corporation  
**Address:** Tulsa, Oklahoma

**Driller:** Ira C. Bond  
**Address:** Terry, Montana

**Date Started:** November 1956  
**Date Completed:** November 1956

**Location:** Sec. 17 T. 11 N. R. 57 E 1/4 sec.

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

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

<table>
<thead>
<tr>
<th>Industrial</th>
<th>Drainage</th>
<th>Other:</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Surface ft. to</th>
<th>202 ft.</th>
<th>Type</th>
<th>steel</th>
<th>Size</th>
<th>ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td></td>
<td>Type</td>
<td></td>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td></td>
<td>Type</td>
<td></td>
<td>Size</td>
<td></td>
</tr>
</tbody>
</table>

Perforated or Screened:  
- Ft. 104 to ft. 134
- Ft. 166 to ft. 191

Type of screen or perforations: Burned holes 9 rows of 5/16"

Static water level, for non-flowing well: water raises to within 50 feet of the surface

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

Pumping water level: No draw down feet at 25 gal. per min.

How tested: with bailer test

Length of test: 8 hours

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

This well had black water in it.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>sandy clay</td>
</tr>
<tr>
<td>4</td>
<td>gumbo</td>
</tr>
<tr>
<td>20</td>
<td>sand and gravel</td>
</tr>
<tr>
<td>21</td>
<td>yellow clay</td>
</tr>
<tr>
<td>38</td>
<td>rock</td>
</tr>
<tr>
<td>106</td>
<td>black water sand</td>
</tr>
<tr>
<td>132</td>
<td>rock</td>
</tr>
<tr>
<td>133</td>
<td>slick coal</td>
</tr>
<tr>
<td>136</td>
<td>black gumbo</td>
</tr>
<tr>
<td>158</td>
<td>rock</td>
</tr>
<tr>
<td>161</td>
<td>gumbo</td>
</tr>
<tr>
<td>168</td>
<td>water sand</td>
</tr>
<tr>
<td>189</td>
<td>gumbo</td>
</tr>
<tr>
<td>202</td>
<td></td>
</tr>
</tbody>
</table>
# MONTANA BUREAU OF MINES AND GEOLOGY

## Butte, Montana

### WATER WELL LOG

| Owner: Texas Natural Gasoline Corporation | Address: 800 Enterprise Bldg, Tulsa, Oklahoma |
| Driller: Ira C. Bond | Date Started: December 13, 1957 |
| Date Completed: December 27, 1957 |
| Location: Sec. 17, T. 11 N., R. 57 E., 1/4 sq. |

### Drilled

<table>
<thead>
<tr>
<th>Type of well:</th>
<th>Equipment used:</th>
<th>Cable Tool:</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dig, driven, bored, or drilled)</td>
<td>(Choose drill, rotary, other)</td>
<td></td>
</tr>
</tbody>
</table>

### Water use:

- [ ] Domestic
- [ ] Municipal
- [ ] Stock
- [ ] Irrigation
- [ ] Industrial
- [ ] Drainage
- [ ] Other: |

### Casing:

- [ ] Surface ft. to 248 ft. Type: Steel, Size: 8 5/8 OD |
- [ ] ft. to ft. Type: Size: |
- [ ] ft. to ft. Type: Size: |

### Perforated or Screened:

- [ ] 150 ft. to 160 ft. Fr. and 200 ft. to 227 ft. |

### Type of screen or perforations:

- [ ] Burned holes 9 rows of 5/16" holes |

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

- [ ] Radians 100 feet from bottom of well |

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

- [ ] lb./sq. in. on: (date) |

### Pumping water level:

- [ ] feet at 2 5 gal. per min. |

### How tested:

- [ ] Bailer test |

### Length of test:

- [ ] 5 hours |

### Remarks:

- [ ] Gravel packing, cementing, packers, type of shut-off, depth of shut-off |

---

**RECEIVED**

---

**STATE ENGINEER**

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>10 sandy yellow clay</td>
</tr>
<tr>
<td>10</td>
<td>24 sand and gravel</td>
</tr>
<tr>
<td>24</td>
<td>39 yellow clay</td>
</tr>
<tr>
<td>39</td>
<td>46 black gumbo</td>
</tr>
<tr>
<td>46</td>
<td>125 blue clay</td>
</tr>
<tr>
<td>125</td>
<td>170 black gumbo</td>
</tr>
<tr>
<td>170</td>
<td>175 black water sand</td>
</tr>
<tr>
<td>175</td>
<td>188 coal</td>
</tr>
<tr>
<td>188</td>
<td>195 black gumbo</td>
</tr>
<tr>
<td>195</td>
<td>210 gumbo</td>
</tr>
<tr>
<td>210</td>
<td>225 light colored water sand</td>
</tr>
<tr>
<td>225</td>
<td>248 gumbo</td>
</tr>
</tbody>
</table>
**Water Well Log**

**Location:** Sec. 12 T. 11 N. R. 75 E. 4 sec.

**Type of well:** Drilled

**Equipment used:** Cable tool

**Water use:**
- Domestic
- Irrigation

**Driller:** Ira C. Bond
**Address:** Terry, Montana

**Date Started:** November 1956
**Date Completed:** November 1956

**Owner:** Texaco Natural Gasoline Corporation
**Address:** Enterprise Bldg, Tulsa, Oklahoma

**Casing:**
- Surface: 136 ft. Type 6 & 5/8 OD, Size: Steel
- Depth: 118 ft. to 148 ft.

**Perforated or Screened:** burned hole 6 rows 5/16 " holes

**Static Water level, for non-flowing well:** water rose to 60 from top  feet.

**Shut-in pressure, for flowing well:**
- 100 feet from top 25 gal. per min.

**Pumping water level:**
- 8 hours

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 6</td>
<td>sand top soil</td>
</tr>
<tr>
<td>6 - 18</td>
<td>gumbo</td>
</tr>
<tr>
<td>18 - 40</td>
<td>yellow clay</td>
</tr>
<tr>
<td>40 - 64</td>
<td>sand some gravel, small</td>
</tr>
<tr>
<td>64 - 67</td>
<td>sandy yellow clay</td>
</tr>
<tr>
<td>67 - 90</td>
<td>gumbo</td>
</tr>
<tr>
<td>90 - 118</td>
<td>rock</td>
</tr>
<tr>
<td>118 - 120</td>
<td>sand rock</td>
</tr>
<tr>
<td>120 - 146</td>
<td>black water sand</td>
</tr>
<tr>
<td>146 - 186</td>
<td>gumbo</td>
</tr>
</tbody>
</table>

Log of Well
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

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

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

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

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

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>lb./sq. in. on:</th>
<th>(date)</th>
</tr>
</thead>
<tbody>
<tr>
<td>72</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>feet at gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>25</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>7 hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td>sand yellow clay</td>
</tr>
<tr>
<td>58</td>
<td>26</td>
<td>30</td>
<td>gravel with a little water</td>
</tr>
<tr>
<td>52</td>
<td>30</td>
<td>52</td>
<td>black gumbo</td>
</tr>
<tr>
<td>53</td>
<td>52</td>
<td>53</td>
<td>rock</td>
</tr>
<tr>
<td>193</td>
<td>53</td>
<td>193</td>
<td>gumbo</td>
</tr>
<tr>
<td>196</td>
<td>193</td>
<td>196</td>
<td>rock</td>
</tr>
<tr>
<td>197</td>
<td>196</td>
<td>197</td>
<td>water sand</td>
</tr>
<tr>
<td>198</td>
<td>197</td>
<td>198</td>
<td>rock</td>
</tr>
<tr>
<td>199</td>
<td>198</td>
<td>199</td>
<td>gumbo</td>
</tr>
<tr>
<td>200</td>
<td>199</td>
<td>200</td>
<td>black water sand</td>
</tr>
<tr>
<td>201</td>
<td>200</td>
<td>201</td>
<td>gumbo</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

Owner: E. E. McNeely  
Address: Marsh, Montana

Driller: George P. Akin  
Address: Miles City, Montana

Date Started:  
Date Completed: 1/13/48

Location: Sec. 21  
T. 11  
R. 57  
1/4 sec. S.W.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
</tr>
</tbody>
</table>

| Casing:       | 21 1/6 ft. to 122 1/4 ft. | Type:  |
| Casing:       | ft. to ft. | Type:  |
| Casing:       | ft. to ft. | Type:  |

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>63 ft. to ft.</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
</table>

Type of screen or perforations: Perforated 4 ft. pipe

Static Water level, for non-flowing well: 90 feet.

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

Pumping water level: [40 feet] at 60 gal. per min.

How tested: 9-gallon bailer

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>From</td>
<td>To</td>
</tr>
<tr>
<td>Clay and Shale</td>
<td></td>
</tr>
</tbody>
</table>
**STATE OF MONTANA**

**ADMINISTRATION OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**DECLARATION OF VESTED GROUNDWATER RIGHTS**

(Under Chapter 237, Montana Session Laws 1961)

---

1. **Shall Oil Company**
   (Name of Appropriator)

   **P. O. Box 2547**
   (Address)

   **Billings**
   (Town)

   **County of Yellowstone**
   (Name of County)

   **State of Montana**
   (Name of State)

   have appropriated ground water according to the Montana law in effect prior to January 1, 1962 as follows.

2. The beneficial use on which the claim is based:
   - [ ] Industrial
   - [ ] Domestic

3. Date of appropriation and of earliest beneficial use; and not more than the use has been: **August 1955**

4. The amount of ground water claimed (in miner's inches or gallons per minute): **28 gal/min**

5. If used for irrigation give the acreage and description of the land to which water has been applied and name of owner thereof.
   - [ ] Not Applicable

6. The source of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - [ ] Motor driven pump

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of ground water: **Aug 1955, started - Comp. Aug 1956**

8. The depth of water table: **150 ft**

9. So far as may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of ground water:
   - **ID 1930 - 6 1/2 in. dug at 105 - Parts 300-360 and 400-460**

10. The estimated amount of ground water withdrawn each year: **725,800 bbls**

11. The lay or formations encountered in the sinking of each well if available:
   - [ ] Formation type not available

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

---

**Signature of Owner**: [Signature]

**Date**: February 1, 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 invalid.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Director of Water and quadruplicate for the Appropriator.
STATE OF MONTANA
County of Yellowstone } ss

having first been duly sworn, deposes

A. T. Irzen having first been duly sworn, deposes

and says that he is of lawful age and is the appropriator

for Shell Oil Co. and claims in the foregoing declaration of vested groundwater rights and the person

of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person

whose name is subscribed hereto, as the appropriate person

and claims that he knows that the contents of said foregoing notice and that the matters and things therein stated

as true.

Subscribed and sworn to before me, this 5th day of February 1962

Margaret W. Shay

Notary Public for the State of Montana

Residing at Billings, Montana

My Commission expires March 30, 1962

65463

Submitted: 11/10/62

Filed: 11/10/62

Return: 11/10/62
**WATER WELL LOG**

**Owner:** SHELL OIL COMPANY  
**Address:** P.O. Box 8547, Billings, Montana

**Driller:** L. Livingston  
**Address:** Billings, Montana

**Date Started:** August 1959  
**Date Completed:** August 1959

**Location:** Sec. 21 T. 11 R. 57 W. 1/4 sec. Southeast

**Type of Well:** (Dig, driven, bored, or drilled)  
**Equipment used:** (Churn drill, rotary, other)

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

**Casing:** (ft. to ft.)  
**Size:**  

**Perforated or Screened:** (ft. to ft.)  
**Size:**

**Type of Screen or Perforations:**

**Static Water Level:** (for non-flowing well) 
**Shut-in Pressure:** (for flowing well) 

**Pumping Water Level:**  
**Rate:** gal. per min.

**How Tested:**

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

**Bailer Basket Set at:**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Light grey clayey shale, sand and streaks of coal</td>
</tr>
<tr>
<td>220</td>
<td>Green and grey clayey shale</td>
</tr>
<tr>
<td>280</td>
<td>Hard sand</td>
</tr>
<tr>
<td>260</td>
<td>Medium hard sand</td>
</tr>
<tr>
<td>330</td>
<td>Grey and green and brown shale</td>
</tr>
<tr>
<td>350</td>
<td>Sand partly hard</td>
</tr>
<tr>
<td>360</td>
<td>Medium hard sand</td>
</tr>
<tr>
<td>360</td>
<td>Grey shale</td>
</tr>
<tr>
<td>500</td>
<td>Sandy clayey shale; some sand and a little silty</td>
</tr>
<tr>
<td>540</td>
<td>Shale and sand</td>
</tr>
<tr>
<td>578</td>
<td>Shale and sand</td>
</tr>
<tr>
<td>580</td>
<td>Hard sand</td>
</tr>
<tr>
<td>593</td>
<td>Soft sand (drilled 2' per min)</td>
</tr>
<tr>
<td>600</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>610</td>
<td>Soft sandy, silty sand</td>
</tr>
<tr>
<td>610</td>
<td>Grey and green shale; some sand and coal</td>
</tr>
<tr>
<td>710</td>
<td>Soft tan clay, green and dark shale; bentonite</td>
</tr>
<tr>
<td>720</td>
<td>Dark shale; some brown lime shells</td>
</tr>
<tr>
<td>920</td>
<td>Hard sand, quartz and shale</td>
</tr>
<tr>
<td>930</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>950</td>
<td>Shale and lime shells; some hard sand streaks</td>
</tr>
<tr>
<td>960</td>
<td>Dark shale; some lime shells</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
</tr>
<tr>
<td>2</td>
<td>Peters, Art</td>
</tr>
<tr>
<td>20</td>
<td>Tumby Bros.</td>
</tr>
<tr>
<td>Owner: Act. Farmers</td>
<td>Address: Wibaux, Montana</td>
</tr>
<tr>
<td>---------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>Driller: Russel Christ</td>
<td>Address: Glendive, Montana</td>
</tr>
<tr>
<td>Date Started: August 2, 1961</td>
<td>Date Completed: August 10, 1961</td>
</tr>
<tr>
<td>Location: Sec. 2, T. 11, R. 58, 1/4 sec. SE</td>
<td></td>
</tr>
</tbody>
</table>

**Type of well:** Drilled

**Equipment used:** Rotary

**Type of screen or perforations:**

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

**Casing:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 170 ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td>ft.</td>
</tr>
</tbody>
</table>

**Perforated or Screened:**

<table>
<thead>
<tr>
<th>Ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>168 ft. to 170 ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
</tbody>
</table>

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

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

**Pumping water level:** 167 feet at 8 gal. per min. one minute.

**How tested:** bailer

**Length of test:** Two hours

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

---

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>36</td>
</tr>
<tr>
<td>36</td>
<td>54</td>
</tr>
<tr>
<td>54</td>
<td>59</td>
</tr>
<tr>
<td>59</td>
<td>77</td>
</tr>
<tr>
<td>77</td>
<td>78</td>
</tr>
<tr>
<td>78</td>
<td>117</td>
</tr>
<tr>
<td>117</td>
<td>129</td>
</tr>
<tr>
<td>129</td>
<td>135</td>
</tr>
<tr>
<td>135</td>
<td>145</td>
</tr>
<tr>
<td>145</td>
<td>172</td>
</tr>
<tr>
<td>172</td>
<td></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)

STATE ENGINEER

| Tunkly Dr. | (Name of Appropriator) |
| County of | State of |

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1954

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

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

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

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: 2,500,000 gal.

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

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

Signature of Owner: Tunkly Dr.

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.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Brunard, Oscar</td>
<td>G.W.1</td>
<td>659132</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Brunard, Oscar</td>
<td>G.W.3</td>
<td>657131</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>LUTTS, R.E ESTATE</td>
<td></td>
<td>671899</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>PETERS, ART</td>
<td></td>
<td>69153</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>QUAIL, TOM</td>
<td></td>
<td>676907</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>LARSEN, ROSE B</td>
<td></td>
<td>69189</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>EFTA, Tony R</td>
<td>G.W.3</td>
<td>671105</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>EFTA, Tony R</td>
<td>G.W.3</td>
<td>671104</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>QUADE, W.M</td>
<td>G.W.4</td>
<td>673204</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>EFTA, JUDE</td>
<td></td>
<td>67439</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>EFTA, LEO</td>
<td>G.W.2</td>
<td>72891</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>EFTA, STANLEY</td>
<td>G.W.4</td>
<td>679414</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>NELSON, STANLEY A</td>
<td>G.W.1</td>
<td>67854</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>ABBAMS, HILBERT</td>
<td>G.W.1</td>
<td>679295</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>LARSON, NELLIE A</td>
<td>G.W.1</td>
<td>677609</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>LARSON, NELLIE A</td>
<td></td>
<td>671610</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>NELSON, STANLEY A</td>
<td></td>
<td>67353</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>NELSON, STANLEY A</td>
<td></td>
<td>67355</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>LARSON, VIRGIL D</td>
<td></td>
<td>67611</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>LUTTS, R.E ESTATE</td>
<td></td>
<td>673810</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Gulnare Lutts of Carlyle
   (Name of Appropriator) (Address) (Town)

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1951, continuous to date

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 12 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: not applicable

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: well completed 1951

   8. The depth of water table: 22' from 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: well 26', 24" casing, cemented, windmill 24' tower with 8' head

   10. The estimated amount of groundwater withdrawn each year: 777,600 gallons

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

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

Signature of Owner: Gulnare Lutts
Date: December 18, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1951)

Oscar Brunsard of Wibaux
(Name of Appropriator) (Address) (Town)

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: Estate use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 1945, continuous use

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: September 1945

8. The depth of water table: 11 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: 15' deep - 12" inside diameter, clay curbing

10. The estimated amount of groundwater withdrawn each year: 24,000 gallons

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

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

Signature of Owner: Oscar Brunsard
Date: 1-17-1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; and quadruplicate for the Appropriator.
65732

Weslaid Groundwater Rights
Oscar Benograd

To

Public

COUNTY, GEORGIA

FILED

Recorded February 10th

COUNTY COURT
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Oscar Brunyard of Wibaux
   (Name of Appropnator) (Address) (Town)
   County of Wibaux State of Montana

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      1930, 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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      1930

   8. The depth of water table
      3 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
      7' deep 3' diameter, concrete lined

   10. The estimated amount of groundwater withdrawn each year
       860,000 gallons

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

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

   Signature of Owner: Oscar Brunyard
   Date: 7-17-1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; and quadruplicate for the Appropriator.
65731
United Groundwater Rights
Oswald B. Braun
Public
WIBAUX COUNTY, MONTANA
FILED
Apr. 16, 1926
[Signature]
[Seal]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

DECLARATION

Date of Declaration: DEC 23 1963

STATE ENGINEER

Applicant: A. P. Lute Adam
Address: Galena
County: Wilcat
State: Montana

Declaration:

I, A. P. Lute Adam, of Galena, Montana, declare that I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Name of Appropmtor: A. P. Lute Adam
2. The beneficial use on which the claim is based: Stockwater
3. Date or approximate date of earliest beneficial use: 1957
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 gal per minute
5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1957
8. The depth of water table: 172 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: 185 feet deep; 8-inch total
10. The estimated amount of groundwater withdrawn each year: 518,400 gallons
11. The log of formations encountered in the drilling of each well if available:
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record:

Signature of Owner: A. P. Lute Adam
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 Appropmtor.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: [Name]
Address: [Address]
Driller: [Name]
Address: [Address]

Date of Notice of appropriation of groundwater: [Date]
Date well started: [Date]
Date completed: [Date]

Type of well: [Type]
Equipment used: [Equipment]

Water use: [Use]

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

<table>
<thead>
<tr>
<th>Strata Met</th>
<th>Depth at Which Water Is Encountered</th>
<th>Thickness and Character of Water-Bearing Strata</th>
<th>Height to Which Water Rises</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>[Depth]</td>
<td>[Thickness and Character]</td>
<td>[Height]</td>
</tr>
<tr>
<td>Clay</td>
<td>[Depth]</td>
<td>[Thickness and Character]</td>
<td>[Height]</td>
</tr>
<tr>
<td>Shale</td>
<td>[Depth]</td>
<td>[Thickness and Character]</td>
<td>[Height]</td>
</tr>
<tr>
<td>Gravel</td>
<td>[Depth]</td>
<td>[Thickness and Character]</td>
<td>[Height]</td>
</tr>
<tr>
<td>Rock</td>
<td>[Depth]</td>
<td>[Thickness and Character]</td>
<td>[Height]</td>
</tr>
<tr>
<td>Sand</td>
<td>[Depth]</td>
<td>[Thickness and Character]</td>
<td>[Height]</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: [Depth] feet.
Shut-in Pressure for Flowing Well: [Pressure] psi.
Pumping Water Level: [Depth] feet at [Flow] gal. per minute.
Discharge in gal. per min. of flowing well: [Discharge]

How Tested: [Test Method]
Length of Test: [Duration]
Remarks: [Remarks]

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

[Diagram]

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

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

[Form Number] 91
Driller's License Number: [Number]
Driller's Signature: [Signature]

[Signature]

[Date] 45611
Recently a copy of a groundwater appropriation form,

- GW 1, Notice of Appropriation of Groundwater
- X GW 2, Notice of Completion of Groundwater Appropriation by means of Well
- GW 3, Notice of Completion of Groundwater Appropriation without Well
- GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

OWNER: Art Peters
ADDRESS: Wibaux, Montana
DOCUMENT NO.: 72153

The form is complete as filed. This is to inform you that your GW form has been received and no further action is necessary on your part.

X The form is incomplete. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please indicate the Section of your well location.

Other.

County recording information is missing. Please forward this information to the Montana Water Resources Board in Helena.

Douglas E. Smith

Driller's License Number

Driller's Signature

Show exact depth of bottom.

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

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

Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address:
Driller: 
Address:

Date of Notice of appropriation of groundwater: 
Date well started: 
Date completed: 

Type of well: 
Equipment used: 

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 to which the water rises in the well.

<table>
<thead>
<tr>
<th>Hole</th>
<th>Static Water Level for non-flowing well</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hole</th>
<th>Shut-in Pressure for Flowing Well</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hole</th>
<th>Pumping Water Level</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hole</th>
<th>Discharge in gal. per min. of flowing well</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hole</th>
<th>How Tested</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Hole</th>
<th>Remarks: Gravel packing cementing packers, type of shot(1)</th>
</tr>
</thead>
</table>

| Hole | [Diagram of well perforations] |

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

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

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

Driller's License Number

Driller's Signature

---

Driller: 
Address: 

[Diagram of well perforations]

[Remarks: Gravel packing cementing packers, type of shot(1)]

[Number of holes and static water level for non-flowing wells]

[Shut-in pressure for flowing wells]

[Pumping water level and discharge in gallons per minute]

[How tested]

[Remarks: Gravel packing cementing packers, type of shot(1)]

[County Clerk and Recorder]

[Signature]

[License number]

[Driller's signature]

[County]

[Date]

[Signature]
Declaration of Vested Groundwater Rights

(Under Chapter 237; Montana Session Laws, 1961)

Oscar Brungard

County of Wibaux

State of Montana

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

<table>
<thead>
<tr>
<th>W</th>
<th>NW</th>
<th>N</th>
<th>NE</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since that date: April 4, 1961 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 9 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: By pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: March 26, 1961 - complete April 3, 1961

8. The depth of water table: 51 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: Water well, 51' deep, 18' hole with casing set to a 14' hole

10. The estimated amount of groundwater withdrawn each year: 125,000 gallons

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

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

Signature of Owner: Oscar Brungard

Date: 4-17-1962

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

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

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

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

TOM O'QUALE (Name of Appropriator)
WIBAUX (Town)

1. County of WIBAUX 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 USE

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: CONTINUOUS SINCE 1912

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

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

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

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

8. The depth of water table: 7 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:

   NINE FEET DEPT 3/4 FEET SQUR WOOD CURBING

10. The estimated amount of groundwater withdrawn each year: 182,500 GALS A YEAR

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

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: TOM O'QUALE
Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate to the Appropriator.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

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

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn 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:

**Signature of Owner:**

**Date:**

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

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

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

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Nov. 15, 1954
Owner: TONY REFTA
Address: CARLYLE
Contractor (if any): B. B. L. E. Y.
Address of Contractor: WIBAUX, MONTANA
Date Statutory: Nov. 15, 1954
Date Completed: Nov. 15, 1954

Means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.
NATURAL RUNOFF, FILLS, DAM
5 W
NO FEET DEEP WHEN FLOWING

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.

USED TO WATER LIVESTOCK YEAR AROUND

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

Signature of Owner: R. REFTA
Date: Dec. 1, 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)

1. Tony Refta of Carlyle

County of Wibaux
State of Montana

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

1. The name of Approporator is based on livestock.

2. Date or approximate date of earliest beneficial use and how continuous the use has been: 1910—continuous.

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

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

5. None.

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

7. Article 30000 A AND PRESSURE PUMP

8. The depth of water table: 7 FEET AND 20 FEET.

9. 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: 182,500 GALS YEARLY.

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: Tony Refta
Date: Dec 31, 1963.

2 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.

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

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

STATE ENGINEER

1. Name Quale
   (Name of Appropriator)

2. The beneficial use on which the claim is based.
   (Specify and describe)

3. Date or approximate date of earliest beneficial use, and how continuous the use has been.
   1. 1945- Continues to 1950, terminated after 1960
   2. 1950- Continues to 1955
   3. 1955- Continues to 1960

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

5. If land is irrigated, give the average and description of the lands to which water has been applied and name of the owner thereof.
   "No land is being irrigated"

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
   No well or other means of withdrawal

7. The date of commencement and completion of construction of the well, wells, or other works for withdrawal of groundwater.
   70-3 Aug. 1950 - Completed in two weeks

8. The depth of water table.
   70-3 - 30 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.
   No other works for withdrawal

10. The estimated amount of groundwater withdrawn each year.
    "No groundwater withdrawn"

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 county record book.

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

2. The beneficial use on which the claim is based
   Household & Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   April 1929

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1909

8. The depth of water table
   25 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
   20 ft

10. The estimated amount of groundwater withdrawn each year
    Watering 15 head cattle

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
    Phone

Signature of Owner
Date Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

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

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

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

Owner: 
Address: 
Date well started: 13 Jan 70
Type of well: Drilled
Equipment used: Churn drill
Water Use: Domestic
Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

Driller's Log

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

Licence No.: 91

Show exact depth of bottom: 46716