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 227 Montana Session Laws, 1961, as amended)

This form to be prepared by driller, and three copies to be filed by 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

Miles City, Mont.

Date well started

6/20/78

Date well completed

7/3/79

Type of well

Drilled

Equipment used

Air Rotary

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

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

ESTIMATED ANNUAL WITHDRAWAL

135,000 gal

Top of Ground

(Feet above sea level)

| Depth | 
|-------|-------|
| 100  | 20    |
| 30   | 40    |
| 50   | 60    |
| 70   | 80    |
| 90   | 100   |

PREFURATIONS

<table>
<thead>
<tr>
<th>Rods</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>23</td>
<td>40</td>
</tr>
<tr>
<td>215</td>
<td>258</td>
</tr>
<tr>
<td>270</td>
<td>295</td>
</tr>
</tbody>
</table>

Static water level

295 ft.

Pumping water level

285 ft.

at 20 gpm for 10 hr.

*m*Measured from ground level.

Well developed by cementing for 20 hours.

Power Pump: HP

Remarks: Gravel packing, cementing.

Driller's Signature

Driller's Address

LICENSE NO. 154

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Show exact depth of bottom
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

Bureau of Land Management

Owner

Address

Date well started

Date well completed

Type of well

Equipment used

Water Use

* 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>Month</th>
<th>Amount</th>
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</thead>
<tbody>
<tr>
<td>7/6</td>
<td>4,200</td>
</tr>
<tr>
<td>12/7</td>
<td>4,97</td>
</tr>
<tr>
<td>16/97</td>
<td>245</td>
</tr>
</tbody>
</table>

PREPATIONS

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Remarks</th>
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</thead>
<tbody>
<tr>
<td>33</td>
<td>46</td>
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<tr>
<td>3/4</td>
<td>60</td>
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<tr>
<td>60</td>
<td>165</td>
</tr>
<tr>
<td>210</td>
<td>250</td>
</tr>
<tr>
<td>170</td>
<td>295</td>
</tr>
</tbody>
</table>

Static water level: 245 ft.
Pumping water level: 245 ft.

*Measured from ground surface.

Well developed by Pumping for ______ hours.

Power: ______ HP

Remarks: [Gravel packing; cementing, etc.]

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

Driller's Signature

Driller's Address

LICENSE NO. 124

County

$\text{Top of Ground}$

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
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<tr>
<td>0</td>
<td>Dem. Strata</td>
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<tr>
<td>45</td>
<td>45 ft. Dem.</td>
</tr>
<tr>
<td>90</td>
<td>90 ft. Dem.</td>
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<tr>
<td>140</td>
<td>140 ft. Dem.</td>
</tr>
<tr>
<td>190</td>
<td>190 ft. Dem.</td>
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<tr>
<td>240</td>
<td>240 ft. Dem.</td>
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<tr>
<td>295</td>
<td>295 ft. Dem.</td>
</tr>
<tr>
<td>395</td>
<td>395 ft. Dem.</td>
</tr>
</tbody>
</table>

Show depth to which water rises in well.

Show depth of top of bed.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1963)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

Bureau of Land Management
Box 960, Miles City

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

1. Bureau of Land Management of Box 960, Miles City

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

District Manager

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.

3667
## Declaration of Groundwater Rights

A Declaration of Groundwater Rights is a legal document that outlines the rights of appropriators to use groundwater. It is typically filed with the state's Office of State Engineer or a similar agency and is governed by state law. The specific declaration in the image details the rights of an appropriator named Shell Oil Company to use groundwater in Yellowstone County, Montana. Here are the key details from the document:

### Details:

- **Appropriator:** Shell Oil Company
- **County:** Yellowstone
- **State:** Montana
- **Purpose:** Appropriation of groundwater
- **Date:** January 1, 1962
- **Well Information:** Continuous, 20 gal/min
- **Owner's Signature:** [Signature]

### Form Details:

- **Well Location:** Section 10
- **Well Depth:** 107.12' or 84.39' with a 0.90' or 0.82' lag at 100' and 0.60' or 0.52' at 160'
- **Well Type:** Motor driven pump
- **Total Estimated Withdrawal:** 25,000 bbls
- **Other Information:** Formations not available

### Instructions:

- Please answer all questions. If not applicable, so state, otherwise the form will be returned.
- Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
- Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
County of Yellowstone

A. T. Iveson having first been duly sworn, deposes and says that he is of lawful age and is the appropriator for Small Oil Co. and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriate person and claimant, that he knows that the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 5th day of February, 1968

Margaret W. W. Lang
Notary Public for the State of Montana
Residing at Billings, Montana
My Commission expires March 31, 1969
<table>
<thead>
<tr>
<th>Owner</th>
<th>SHELL OIL COMPANY</th>
<th>Address</th>
<th>Willings, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>W. L. Livingston</td>
<td>Address</td>
<td>Winnett, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>October, 1958</td>
<td>Date Completed</td>
<td>October, 1958</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled: Dug, driven, bored, or drilled</th>
<th>Equipment used: Churn drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other:</td>
<td></td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td>Type: ___________ Size: ___________</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>Ft. to ft. 350 to ft. 160 Ft. to ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Torch perforated</td>
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</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>feet.</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well: lb./sq. in. on: (date)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level: 100 feet at 19 gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>Bailed</td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>13 hours</td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baker basket set at 35'</td>
<td></td>
<td></td>
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</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>80</td>
</tr>
<tr>
<td>80</td>
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<td>120</td>
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<tr>
<td>950</td>
<td>1170</td>
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</tbody>
</table>
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
</table>

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

1. The beneficial use on which the claim is based: **Stock Water**

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: **June 1956**

3. The amount of groundwater claimed (in miner's inches or gallons per minute): **8 gal. 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: **[Description]**

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

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **June 1956**

7. The depth of water table: **60 ft**

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

9. The estimated amount of groundwater withdrawn each year: **60,200 gallons**

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

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

<table>
<thead>
<tr>
<th>Point of Appropriation</th>
<th>Place of Use</th>
</tr>
</thead>
</table>

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
MONTANA BUREAU OF MINES AND GEOLOGY  
Helena, Montana

WATER WELL LOG

Owner: Dalbert H. Baggott  
Address: Martin, Mont.

Driller: Frank Randy, Jr.  
Address: Proctor

Date Started: Dec. 5/52  
Date Completed: Jan. 20, 53

Location: Sec. 18 T. 12 R. 56 
County: Prairie

Type of well: Artesian Pump  
Equipment used: Rotary Rig

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

Casing: 0 ft. to 6 ft. [ ]  
Type: Galv.  
Size: 2" [ ]

Casing: 6 ft. to 12 ft. [ ]  
Type:  
Size: [ ]

Casing: 12 ft. to 18 ft. [ ]  
Type:  
Size: [ ]

Perforated or Screened: 0 ft. 580 ft. to 6 ft. 54 ft. [x]  
Type:  
Size: [ ]

Static Water level, for non-flowing well: 60 ft. [ ]

Shut-in pressure, for flowing well: [ ]

Pumping water level: 80 ft.  
feet at:  
gal. per min. 10 [ ]

How tested: Cylinder [ ]

Length of test: 1 3/4 [ ]

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>50</td>
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<tr>
<td>50</td>
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<td>1170</td>
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</tr>
</tbody>
</table>
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Butte, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Randy Drilling Co.</td>
</tr>
<tr>
<td>Address</td>
<td>Broadus, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>June 9, 1962</td>
</tr>
<tr>
<td>Date Completed</td>
<td>June 16, 1962</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 19, T 12, R 86, 1/4 sec SW</td>
</tr>
<tr>
<td>Type of Well</td>
<td>Drilled (Dug, driven, bored, or drilled)</td>
</tr>
<tr>
<td>Equipment Used</td>
<td>Rotary (Chim drill, rotary, other)</td>
</tr>
<tr>
<td>Water Use</td>
<td>Stock (X)</td>
</tr>
<tr>
<td>Casing</td>
<td>0 ft. to 1150 ft.</td>
</tr>
<tr>
<td>Type of Casing</td>
<td>Galv Iron</td>
</tr>
<tr>
<td>Size</td>
<td>2 in.</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>1080 ft. to 1150 ft.</td>
</tr>
<tr>
<td>Type of Screen or Perforations</td>
<td>Slots</td>
</tr>
<tr>
<td>Static Water Level (for non-flowing well)</td>
<td>feet</td>
</tr>
<tr>
<td>Shut-in Pressure (for flowing well)</td>
<td>Not tested (date)</td>
</tr>
<tr>
<td>Pumping Water Level</td>
<td>feet at gal. per min.</td>
</tr>
<tr>
<td>How Tested</td>
<td></td>
</tr>
<tr>
<td>Length of Test</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
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<tr>
<td>980</td>
<td>1132</td>
</tr>
<tr>
<td>1132</td>
<td>1140</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

1. Name of Appropriator: Bureau of Land Management
   Address: Miles City, Montana
   County of: Prairie
   State of: Montana

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

3. The rate of use in gallons per minute or miner's inches of groundwater claimed: 3-5 gallons per minute

4. The annual period (inclusive dates) of intended use: April 20th to November 20th

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

6. The probable or intended date of commencement and completion of the well or wells: August, 1969

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

   T. 12 N., R. 56 E., Sec. 20, Montana, pumped well, 6", 150' deep.

8. The probable or estimated depth of the water table or artesian aquifer: 70 feet

9. Name, address and license number of the driller engaged: We do not know at this time.

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

    150 cattle will use this well for
    approximately 2 months or an annual
    withdrawal of 135,000 gallons of water.


PERMIT REQUESTED

NORTH EASTERLY 20 FEET FROM THE SOUTHERLY LINE OF THE WELLS

George Gray Hole
Signature of Appropriator

No. 20 T. 12 N. R. 56 E.

Permit Expires April 1, 1969

*As defined in the Code Sec. 3 (a) "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.

45,237
STATE OF MONTANA

County of

I, }, County Clerk and
recorded in and for said County and State, hereby
verify that the foregoing is a full, true, and correct
copy of

filed in my office on the day of

A.D. 19

IN WITNESS WHEREOF, I have hereunto set
my hand and affixed the seal of said county the
day of

19


John P. Haage
COUNTY CLERK and RECORDER
Dear Mr. Guse:

Your letter dated September 16, 1970, noted an error in the township description of the Fan Well. The description has been corrected with the Prairie County Clerk and Recorder to read NW1/4 of Section 20, T. 12 N., R. 56 E.

The County Clerk and Recorder did not know what procedure was required, so he corrected the Groundwater Appropriation form he has on record. If your office has a special form to record as an "Instrument of correction" please forward this form to our office.

Sincerely yours,

Rex D. Colton
District Manager
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  

NOTICE OF COMPLETION OF GROUNDWATER  
APPROPRIATION BY MEANS OF WELL  

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

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

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

<table>
<thead>
<tr>
<th>Bureau of Land Management</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>For Administrator’s Use</td>
</tr>
<tr>
<td>Address</td>
<td>Miles City, Mont.</td>
</tr>
<tr>
<td>Date well started</td>
<td>6/26/70</td>
</tr>
<tr>
<td>completed</td>
<td>6-28-70</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Air-rotary (Drg., skym, bored or drilled)</td>
</tr>
<tr>
<td>Water Use: Domestic</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td>Garden/Lawn</td>
</tr>
</tbody>
</table>

*Describe

USE: If used for Irrigation, industrial, drainage or other. Explain state number of acres and location or other date (I.e. Lot, Block and Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>STRATA</th>
<th>Depth (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-10</td>
<td>Fine, Dbl, soft sand</td>
</tr>
<tr>
<td>6-20</td>
<td>Sand</td>
</tr>
<tr>
<td>20-30</td>
<td>Gray Gumbo, Stringer of Coal</td>
</tr>
<tr>
<td>30-40</td>
<td>Sand</td>
</tr>
<tr>
<td>50-60</td>
<td>Sand</td>
</tr>
<tr>
<td>60-80</td>
<td>Gray Sandy Clay</td>
</tr>
<tr>
<td>80-100</td>
<td>Sand</td>
</tr>
<tr>
<td>100-150</td>
<td>Water Gumbo</td>
</tr>
<tr>
<td>150-200</td>
<td>Gray Gumbo</td>
</tr>
<tr>
<td>200-300</td>
<td>Gray Gumbo</td>
</tr>
<tr>
<td>300-500</td>
<td>Sand</td>
</tr>
<tr>
<td>500-750</td>
<td>Sand</td>
</tr>
</tbody>
</table>

Top of Ground (Hrs. above sea level)

<table>
<thead>
<tr>
<th>STRATA</th>
<th>Depth (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-10</td>
<td>Fine, Dbl, soft sand</td>
</tr>
<tr>
<td>6-20</td>
<td>Sand</td>
</tr>
<tr>
<td>20-30</td>
<td>Gray Gumbo, Stringer of Coal</td>
</tr>
<tr>
<td>30-40</td>
<td>Sand</td>
</tr>
<tr>
<td>50-60</td>
<td>Sand</td>
</tr>
<tr>
<td>60-80</td>
<td>Gray Sandy Clay</td>
</tr>
<tr>
<td>80-100</td>
<td>Sand</td>
</tr>
<tr>
<td>100-150</td>
<td>Water Gumbo</td>
</tr>
<tr>
<td>150-200</td>
<td>Gray Gumbo</td>
</tr>
<tr>
<td>200-300</td>
<td>Gray Gumbo</td>
</tr>
<tr>
<td>300-500</td>
<td>Sand</td>
</tr>
<tr>
<td>500-750</td>
<td>Sand</td>
</tr>
</tbody>
</table>

Static water level: 45 ft.
Pumping water level: 150 ft. at 6,400 gallons per minute, measured 120 minutes after pumping began.

*Measured from ground level.

Well developed by Air Lift for 6 hours. 

Power: Pump: 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: Terry, Montana  

LICENSE NO. 154  

47158
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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

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

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

Bureau of Land Management

Owner

Address

Date well started

Date well completed

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

Top of Ground (feet above sea level)

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).

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Material Covered</th>
<th>From</th>
<th>To</th>
<th>KIND Of</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1/4&quot;</td>
<td>6&quot;x6&quot;</td>
<td>156</td>
<td>156</td>
<td>8 1/2&quot;</td>
<td>80</td>
</tr>
</tbody>
</table>

Static water level: 65 ft.*
Pumping water level: 130 ft.*

Static water level is measured from ground level.
Pumping water level is measured 1 1/2 minutes after pumping began.

Well developed by: Air Lift for: 4 hours.

Power: Pump: 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. 254

Show exact depth of bottom

1564
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Sessions Laws 1961)

1. **Shell Oil Company**
   - **Name of Appropriator**
   - **Address:** P. O. Box 2547
   - **Billing Address:**
   - **Place:** Billings
   - **County of:** Yellowstone
   - **State of:** Montana

   They 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:**
   - **Type of Use:** Industrial

3. **Date of appropriation:**
   - **Earliest Beneficial Use:** Aug. 1958

4. **Amount of groundwater claimed (in miner's inches or gallons per minute):** 80 gal/min

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

6. **The method of withdrawing such water from the ground and the location of each well or other means of withdrawal:**
   - **Type of Pump:** Motor driven pump

7. **The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater:**
   - **Started:** Aug. 2, 1958
   - **Completed:** Aug. 8, 1958

8. **The depth of water table:**
   - **92 ft.**

9. **So far as it may be available, the type, size and depth of each well or the general specification of any other works for the withdrawal of groundwater:**
   - **9 1/4 inch holes:** 135 ft. deep; **5 1/2 inch:** 228 ft. deep; **4 1/2 inch:** 193 ft. deep; **2 1/8 inch:** 193 ft. deep

10. **The estimated amount of groundwater withdrawn each year:** 175,000 bbls

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

12. **Any other information of a similar nature as may be useful in carrying out the policy of this act indicating reference to book and page of any county record:**
   - **Not applicable**

**Signature of Owner:**

**Date:** February 2, 1962

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

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

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

having first been duly sworn, depos
and says that he is of lawful age and is the appropriator
for Shell Oil Co., and claimant of the order and water right mentioned
in the foregoing declaration of vested groundwater rights and the person
whose name is subscribed thereto, as the appropriate person
and claimant , that he know 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 V. Slay
Notary Public for the State of Montana
Residing at Billings, Montana
My Commission expires March 30, 1962
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>SHELL OIL COMPANY</th>
<th>Address</th>
<th>P. O. Box 2547</th>
<th>Billings, Montana</th>
</tr>
</thead>
</table>

| Driller     | Address           | Date Started | August 2, 1952 | Date Completed    | August 8, 1952 |
|-------------|-------------------|--------------|----------------|------------------|

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>S.</th>
<th>Quarter:</th>
<th>Southeast</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Core drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
<td></td>
<td>(Core drill, rotary, other)</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing: 0 ft. to 1200 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing: 1200 ft. to 2000 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing: 2000 ft. to 2000 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened: 0 ft. to 1200 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>None perforated</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>216 ft.</th>
</tr>
</thead>
</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></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Length of test:</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<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>Larkin packer at 999 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Salinity 850 ppm</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
</tr>
<tr>
<td>1040</td>
</tr>
<tr>
<td>1180</td>
</tr>
<tr>
<td>To</td>
</tr>
<tr>
<td>Top &quot;1st Sand&quot;</td>
</tr>
<tr>
<td>Top &quot;1st Sand&quot;</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top &quot;1st Sand&quot;</td>
</tr>
<tr>
<td>Top &quot;1st Sand&quot;</td>
</tr>
</tbody>
</table>
DECLARATION OF VEGETED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws 1962)

1. Name of Appropriate (Name of Appropriate)
   of P. O. Box 2547 Billings (Address) (Town)
   County of Yellowstone State of Montana

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

   2. The purpose for which the claim is based: Industrial

   3. Date of appropriation and earliest beneficial use, and how the use has been
   Apr. 25, 1928

   4. The amount of groundwater claimed (in miner's inches of gallons per minute):
   11 683 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 name of withdrawing such water from the ground and the location of each well or other means of withdrawal: Water driven pump.

   7. The date of commencement and completion of the construction of the well, walls or other works for withdrawal of groundwater
   Aug. 10, 1928 started. Compl Aug. 13, 1928

   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 specification of any other works for the withdrawal of groundwater
   6-7/8 hole to 1100. 5-1/2” hole to 1100. Post 80' to 120'.

   10. The estimated amount of groundwater withdrawn each year: 275,000 gal

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

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act indicating reference to book and page of any county record
   If of no use - be briefer in reply.

   Signature of Owner

   Late February 5, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriate.
STATE OF MONTANA

County of Yellowstone

having first been duly sworn, deposes and says that he is of lawful age and is the appropriator for Shell Oil Co. and claimant in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriate person and claimant, 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. Jag
Notary Public for the State of Montana
Residing at Billings, Montana
My Commission expires March 30, 1962
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>SHELL OIL COMPANY</th>
<th>Address</th>
<th>Billings, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>August 10, 1952</th>
<th>Date Completed</th>
<th>August 15, 1952</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location:</th>
<th>Sec 33 T 10 N 56 R</th>
<th>¾ sec. Southeast</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type of well:** Drilled  
**Equipment used:** Churn drill

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

**Casing:**
- 0 ft. to 1195 ft.  
- Type: 1½ & 2½  
- Size: 5-3/8

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

**Perforated or Screened:**
- Ft. 985 to ft.  
- Type:  
- Size:  

**Type of screen or perforations:** Torch perforated

**Static Water level, for non-flowing well:** 250 feet.

**Shut-in pressure, for flowing well:** 285 lb/sq. in. on (date)

**Pumping water level:** feet at 1 lb  
**gal. per min.**

**How tested:** Pump test

**Length of test:** 6 hours

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

Larkin packer at 970'
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Town</th>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jim Irion</td>
<td>Fallon</td>
<td>Prairie</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

1. **Name of Appropriator**: Jim Irion  
   **Town**: Fallon  
   **County**: Prairie  
   **State**: Montana

2. The beneficial use on which the claim is based:  
   **Beneficial Use**: Stock Water

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

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

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

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

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

8. The depth of water table:  
   **Depth**: 60 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:  
   **Specifications**: Unknown

10. The estimated amount of groundwater withdrawn each year:  
    **Amount**: 40,000 gals per year

11. The log of formations encountered in the drilling of each well if available:  
    **Log**: 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:  
    **Reference**: Unknown

**Signature of Owner**: Jim Irion  
**Date**: Dec. 29, 1963

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

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

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

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

1. Bureau of Land Management of Box 360, Miles City
   (Name of Appropriator) (Address) (Town)
   County of Custer State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1982, as follows:

   2. The beneficial use on which the claim is based ____________________________
      Livestock watering ____________________________
      ______________________________________________________________________

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1943 - continuous
      ____________________________
      ______________________________________________________________________

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) ________ gals/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, Windmill, ________
      ____________________________
      ______________________________________________________________________

   7. The date of commencement and completion of the construction of the well, well's, or other works for withdrawal of groundwater ________ 1985
      ____________________________
      ______________________________________________________________________

   8. The depth of water table ________ 125 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
      Drillfield well 123 ft deep, standard 4" casing, 10" Andrews well, 18" cover
      ____________________________
      ______________________________________________________________________

   10. The estimated amount of groundwater withdrawn each year ________ 1,500,000
       ____________________________
       ______________________________________________________________________

   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
       ____________________________
       ______________________________________________________________________

       3 copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located.
       Please answer all questions. If not applicable, so state, otherwise the form will be returned.
       Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.

       Signature
       Date 5-2-63
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1931)

1. (Name of Appropriator) of (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. 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 School of Mines 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>7</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>GW-1</td>
<td>8756</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>GW-2</td>
<td>92355</td>
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</tr>
<tr>
<td>9</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>GW-4</td>
<td>44219</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>SHELL OIL COMPANY</td>
<td>GW-3</td>
<td>82936</td>
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NOTICE OF APPROPRIATION OF GROUNDWATER

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. Bureau of Land Management of Miles City, Montana
   
   County of Prairie, 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 Livestock water - approx. 200 head
   
   (describe lands to be beneficial to the irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
   
   3 - 5 gallons per minute
   
   The estimated amount of groundwater to be used annually 135,000 gallons

4. The annual period (inclusive dates) of intended use May 1 to November 30

5. The probable or intended date of first beneficial use Spring of 1973

6. The probable or intended date of commencement and completion of the well* or wells* Spring of 1973

7. The location, type, size and depth of well or wells contemplated
   
   T. 12 N., R. 56 E., Sec. 32, SW¼¼ - pumped well, 6" x 200' deep

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

9. The name, address, and license number of the driller engaged (unknown at present)

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

An annual withdrawal of approximately 135,000 gallons should be made

PERMIT GRANTED

For Administrator's Use

File 94/58
November 3, 1972 - 10:30 a.m.

PERMIT REQUESTED

Signature of Appropriator

Date 11/2/72

*As defined in the Code Sec. 1 (d) "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 pressure or is artificially withdrawn.
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

(Under Chapter 257 Montana Session Laws, 1941, 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**

**Owner's Business Name**

**File No.**

**Date well started**

**Date well completed**

**Type of well**

**Equipment used**

**Water Use:** Domestic □ Municipal □ Stock □ Irrigation □

**Industrial □ Drainage □ Other □ Garden/Lawn □

**Describe**

**USB:** 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**

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**Remarks:** (Gravel packing, cementing, etc.)

**Driller's Signature**

**Driller's Address**

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

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<th>SMALL SQUARE</th>
<th>REPRESENTS 40 ACRES</th>
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</table>

**Driller's Signature**

**Driller's Address**

**LICENSE NO.**

**53,860**
State Hill Log
B.L.M.
to
The Public

FILED
of 9 30 o'clock A.M.
May 25, 1973

Signed
Registrar
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator) (Address) (Town)
County of 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. [Stock Water Well]

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. [Unknown date (1962)]

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

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

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

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

8. The depth of water table. [Approx. 175 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. [None]

10. The estimated amount of groundwater withdrawn each year. [30,000 per year]

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

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

Signature of Owner [J. L. Drive] 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.
<table>
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Declaration of Vested Groundwater Rights

( Rockefeller,...)

Declaration of Vested Groundwater Rights

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Date: Sept. 12, 1962

Lester Jens

County of Prairie

Terry

State of Montana

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. Water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1982, continuous

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. Surface (Spring).

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. 525, 600. 9.015

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: Lester Jones

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Terry, Montana
April 11, 1963

Dear Sir:

Water Well Log for Lester Jens in error on N.W.¼ Sec. 3, Township 11, Range 50.

It should be Sec. 1, Township 11, Range 50.

Would you make this correction on your sheet as we have made the correction in our office?

Thank you.

Sincerely,

E. Glen Johnston,
Clerk & Recorder

[Signature]
Deputy
Mr. E. Glen Johnston  
Clerk and Recorder  
Prairie County  
Terry, Montana  

Dear Mr. Johnston:  

We have your note of April 11 stating that a water well log for Lester Jens is in error, that NW¼ Sec.3 T.11 R.50 should be Section 1, not 3.  

We have two of his ground-water filings for NW¼ Section 3 T.11 R.50, both filed in your office at 10:30 a.m., September 17, 1962 and both with document number 83606. One of them, our number 2119 is for stockwater from a flowing well which appears to be in the SE¼ SW¼ NW¼ and the other, our number 2124 is for stockwater from a surface spring, apparently in the NW¼ SE¼ NW¼. If the flow of the spring is not increased by the development it may be filed on under the surface water laws, Section 89-801 et seq., R.C.M. 1947.  

Will you please tell us which of these is the one in Section 1?  

Very truly yours,  

EVERETT V. DARLINGTON  
STATE ENGINEER  

C. S. Heidel  
Deputy State Engineer  

CSH:ba  

Dear Sir:  

Your number 2124 is the one that is in error. It is the surface spring.  

I am sorry I didn't explain this more fully.  

Sincerely,  

E. Glen Johnston, Clerk & Rec.  
By: [Signature]  
Deputy
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: 1908

Owner: Northern Pacific Railway Company
Address: St. Paul, Minn.

Contractor (if any)
Address of Contractor

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Spring, used since 1908.

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent
estimate approximate lengths of periods of use. Spring flows
1 gallon per minute, Curbed and piped into
tank.

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

Northern Pacific Railway Company
Signature of Owner:
Dist. Supvr., Gras. & Cult.
Date:

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

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

[Form Details]

1. 

(NAME OF APPROPRIATOR)  

(Address)  

(TOWN)  

(COUNTY)  

(State)  

[County]

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

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

STOCK WATER  

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

1936, CONTINUES  

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

3  

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:  

CVD, Piped To Tank  

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

8. The depth of water table:  

SURFACE (SPRINT)  

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

10. The estimated amount of groundwater withdrawn each year:  

1,576,000 lbs  

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:  

[Signature]  

DEC. 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 School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Lester Jens

County of

State of Montana

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

9. So far as it may be available, the type, site 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 School of Mines 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: 1909
Owner: Northern Pacific Co. Address: St. Paul, Minn.
Contractor (if any)
Address of Contractor
Date Started: Date Completed:
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes." Include depth to water when applicable: Spring, used since 1909.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use: Spring flows one gallon per minute, measured over a period of time. Curbed and piped to tank.

Northern Pacific Railway Company
Signature of Owner: By
Date:

This form to be prepared by contractor (if any), otherwise by the owner.

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

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

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

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

Bureau of Land Management
(Name of Appropriator) (Address) (Town)
County of Glacier 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 1937 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 3 gal/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 1937

8. The depth of water table Not available

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 Not Available

10. The estimated amount of groundwater withdrawn each year 1,500,000 gal

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record This well is on Title III Rankhead-Jones Land

District Manager

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 4th duplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: George Kalfell  Address: Terry, Montana
Driller: Irvin C. Bond  Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 12/14/64
Date well started: 11/2/64  Date Completed: 11/15/64

Type of well: Drilled  Equipment Used: Cable & Rotary
(dug, driven, bored or drilled)

Water Use: Domestic  Municipal  Other  Irrigation
Industrial  Drainage  Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 1/2&quot; 162 feet of 4 and 3/4 inch hole</td>
<td>3 and 1/2 inch hole</td>
<td>179 feet</td>
<td>2&quot; pipe from surface to 38 feet buried holes 5 and 3/4</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: feet.

Shut-in Pressure for Flowing Well: gal per minute.

Pumping Water Level: feet at gal per minute.

Discharge in gal per min. of flowing well: 15

How Tested:  Length of Test: 

Remarks: (Gravel packing, cementing, packers, type of cutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Owner</th>
<th>Mr. Laster</th>
<th>Address</th>
<th>Terry, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Henry L. Johnson</td>
<td>Address</td>
<td>Terry, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 4, 1969</td>
<td>Date Completed</td>
<td>May 5, 1969</td>
</tr>
<tr>
<td>Location: Sec. 6</td>
<td>T. 11</td>
<td>R. 60</td>
<td>N sec. 62</td>
</tr>
</tbody>
</table>

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

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

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

| Static Water level, for non-flowing well | 11 |
| Shut-in pressure, for flowing well | lb/sq. in. on: (date) |
| Pumping water level | 21 feet at 10 gal. per min. |
| How tested | Pump |
| Length of test | 6 hrs. |

<table>
<thead>
<tr>
<th>Remarks</th>
<th>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
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</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>27</td>
</tr>
</tbody>
</table>
Arthur O. Martin
(Name of Appropriator)

of R.R. 2
(Address)

County of Prairie
(Town)

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1961, as follows:

2. The beneficial use on which the claim is based: water for home and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: May 1959 use has been continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7 gallons per minute

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

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

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

8. The depth of water table: 30 feet of water above 337 to 339

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: Depth of well is 371 feet

10. The estimated amount of groundwater withdrawn each year

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

Date: August 10, 1961

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.