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

State of Montana

1. Montana State Prison, of Deer Lodge, Montana
   (Name of Appropriator) (Address) (Town)
   County of Powell 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
   Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   August 1960, continuous during irrigation season.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   200 inches - April through September

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
   Sections 7 and 8, T1N, R1W.
   State of Montana.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Drain ditch — free flowing.

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

8. The depth of water table
   one-foot

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
   Drain ditch — 2000 feet in length — 4^ feet deep (average) water free flowing from drain.

10. The estimated amount of groundwater withdrawn each year
    37,000 gallons per year

11. The log of formations encountered in the drilling of each well if available
    Top soil — gravel, clay — Log 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
    Not applicable

Montana State Prison
Signature of Owner

Date December 30, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
MONTANA STATE PRISON

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at minutes past o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By Deputy

See $2.00 Paid
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. State of Montana
   (Name of Appropriator)

   Montana State Prison, Deer Lodge,
   (Address) (Town)

   County of Powell
   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:
      Prison use:
      -domestic - for inmates.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      10-5-1956

   4. The amount of groundwater claimed (in miner's inches or gallons per minute):
      750 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:
      not applicable

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      9-29-56 commencement
      10-8-56 completion

   8. The depth of water table:
      12 feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
      Drilled well - 200 feet deep - 12 inch casing -
      pump 750 gals per minute.

   10. The estimated amount of groundwater withdrawn each year:
       750 gals per min.

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

   MONTANA STATE PRISON
   Signature of Owner:
   Warden
   Date: December 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.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
MONTANA STATE PRISON

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at 12 minutes past 12
P.M.

Daniel B. Harty
Clerk and R.

By

Dec.

Fee $2.00 Paid
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. State of Montana, [Name of Appropriator] (Address) (Town) of Montana State Prison (Address)

County of Powell, 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: Domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September, 1961 - continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 miner's inches

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: Domestic use - Montana State Prison, Rothe Hall, State of Montana

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pump - NW 1/4 SW 1/4, Sec. 2, T7N, R10W

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: September, 1962

8. The depth of water table: 10 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled - 6 inches - 100 ft. withdrawal by pump

10. The estimated amount of groundwater withdrawn each year: 567,648,000 gallons per year

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

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

Signature of Owner: Montana State Prison
Date: December 26, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
MONTANA STATE PRISON

RECEIVED
POWELL COUNTY, MONTANA
December 31st, 1963
at minutes past o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By
Deputy

$2.00 Paid
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Montana State Prison</th>
<th>Address</th>
<th>Deer Lodge, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Leyne-Minnesota Co.</td>
<td>Address</td>
<td>Minneapolis, MN</td>
</tr>
<tr>
<td>Date Started</td>
<td>Fall 1956</td>
<td>Date Completed</td>
<td>Fall 1956</td>
</tr>
</tbody>
</table>

**Type of well**
- Bored

**Equipment used**
- Rotary

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

**Casing:**
- Top: 0 ft. to 170 ft. Type: Steel Size: 12 Diameter
- Bottom: 170 ft. Type: Size

**Perforated or Screened:**
- Casing plus screen equal: 220 ft. Screen actually installed: opposite water strati

**Type of screen or perforations:**
- Stainless Steel Shutter Type

**Static Water level, for non-flowing well:**
- Approx. 30 feet

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

**Pumping water level:**
- 125 feet at: 200 gal. per min.

**How tested:**
- With centrifugal submerged pump

**Length of test:**
- 24 hrs.

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

**This well was drilled 220 ft. deep to a diameter of 30 ft. The first 45 ft. were cemented outside of a 30" casing. The 12" casing was installed and the volume between the cored hole and the casing was filled with 3/4" gravel.**

(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>5' Top soil and sand</td>
</tr>
<tr>
<td>5'</td>
<td>Boulders, sandy clay</td>
</tr>
<tr>
<td>11'</td>
<td>Clay</td>
</tr>
<tr>
<td>20'</td>
<td>Hard pan and brown clay</td>
</tr>
<tr>
<td>20'</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>30'</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>35'</td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>40'</td>
<td>Clay, small streaks of fine sand some water</td>
</tr>
<tr>
<td>45'</td>
<td>Hard clay, small streaks of sand &amp; gravel</td>
</tr>
<tr>
<td>45'</td>
<td>Soft sandy clay not enough water for drilling</td>
</tr>
<tr>
<td>125'</td>
<td>Soft sand stone with streaks of clay in gravel form—plenty of water for drilling</td>
</tr>
<tr>
<td>150'</td>
<td>Hardpan clay, sandstone, trace of fine sand</td>
</tr>
<tr>
<td>150'</td>
<td>Softer clay, hardpan more broken up</td>
</tr>
<tr>
<td>175'</td>
<td>More fine sand &amp; clay with hardpan</td>
</tr>
<tr>
<td>185'</td>
<td>Fine sand</td>
</tr>
<tr>
<td>185'</td>
<td>Fine sand and clay</td>
</tr>
<tr>
<td>187'</td>
<td>More clay, trace of blue clay &amp; sand</td>
</tr>
<tr>
<td>210'</td>
<td>Some fine sand, clay and brown hardpan</td>
</tr>
<tr>
<td>225'</td>
<td>Same as above</td>
</tr>
<tr>
<td>225'</td>
<td>Hard yellow clay</td>
</tr>
<tr>
<td>225'</td>
<td>Fine sand very hard brown clay &amp; hardpan</td>
</tr>
<tr>
<td>250'</td>
<td>Soft brown clay, hardpan, trace of blue clay</td>
</tr>
<tr>
<td>250'</td>
<td>Sticky white clay and hardpan</td>
</tr>
<tr>
<td>253'</td>
<td>Lots of broken up hardpan and clay</td>
</tr>
<tr>
<td>Depth</td>
<td>Description</td>
</tr>
<tr>
<td>-------</td>
<td>-------------</td>
</tr>
<tr>
<td>301</td>
<td>Clay, small streaks of fine sand some water</td>
</tr>
<tr>
<td>401</td>
<td>Hard clay, small streaks of sand &amp; gravel</td>
</tr>
<tr>
<td>431</td>
<td>Soft sandy clay not enough water for drilling</td>
</tr>
<tr>
<td>431</td>
<td>Soft sandstone with streaks of clay in gravel form—plenty of water</td>
</tr>
<tr>
<td>1251</td>
<td>Hardpan clay, sandstone, trace of fine sand</td>
</tr>
<tr>
<td>1501</td>
<td>Softer clay, hardpan more broken up</td>
</tr>
<tr>
<td>1501</td>
<td>More fine sand &amp; clay with hardpan</td>
</tr>
<tr>
<td>1041</td>
<td>Fine sand</td>
</tr>
<tr>
<td>1501</td>
<td>Fine sand &amp; clay</td>
</tr>
<tr>
<td>1881</td>
<td>More clay, trace of blue clay &amp; sand</td>
</tr>
<tr>
<td>1841</td>
<td>Small fine sand, clay sand hardpan</td>
</tr>
<tr>
<td>101</td>
<td>Same as above</td>
</tr>
<tr>
<td>2201</td>
<td>Hard yellow clay</td>
</tr>
<tr>
<td>2201</td>
<td>Fine sand very hard brown clay &amp; hardpan</td>
</tr>
<tr>
<td>2501</td>
<td>Soft brown clay, hardpan, trace of blue clay</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Montana State Prison
Address: Deer Lodge, Montana

Driller: C.F. Wroble
Address: Miller Creek, Eureka, Montana

Date of Notice of Appropriation of Groundwater: November 17, 1962

Date well started: November 17, 1962

Type of well: Drilled
Equipment Used: Churn

Water Use: Domestic

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>Kind of Casing</th>
<th>Depth of Well</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch</td>
<td>15 lb.</td>
<td>60</td>
<td>3/16&quot; 5/8&quot;</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>58' 55'</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 17 ft.

Shut-in Pressure for Flowing Well:...

Pumping Water Level: 48 ft. at 20 gal. per minute.

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

How Tested: Bailed
Length of Test: 2 hrs.

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

Loose gravel pack 52 ft. to 58 ft.

Send and fine gravel.
Show exact depth of bottom.

60 ft. at 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.

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.

Driller's License Number

Driller's Signature
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

MONTANA STATE PRISON

December 4th, 1962
at minutes past 1:45 o'clock.

Daniel B. Hertz, Jr.
Clerk and Recorder

By
Deputy

5.00 Paid
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
U.S. Dept. of Agriculture, Owner: U.S. Forest Service, Address: Butte, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: 10/1/63, Date Completed: 1/15/64

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. 2 ft. deep seep in hillside.
Gravity flow. Stone and concrete box, 1½ inch galvanized pipe flowing to a wooden trough.

Robinson # 2
Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.
3 gts. per minute used year round.

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

U.S. Dept. of Agriculture,
U.S. Forest Service, Hy: Signature of Owner: Paul Hobern Date: Feb. 27, 1964

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.
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

U.S. DEPT. OF AGRICULTURE
U.S. FOREST SERVICE

RECEIVED
POWELL COUNTY, MONTANA

February 27th, 1964

at __________ minutes past ____ o'clock
A.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By __________ Deputy

Fee $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. State of Montana, State Prison
   (Name of Appropiater)
   (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: irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 1961

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 miner's inches

   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 1962

   8. The depth of water table: 5 feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled: 6 inch: 75 feet deep: Withdrawal by means of a pump

   10. The estimated amount of groundwater withdrawn each year: 25,000 gallons per year

   11. The log of formations encountered in the drilling of each well if available: gravel & clay and topsoil: Other information 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: not available

   Montana State Engineer

   Signature of Owner: By: 
   Date: December 26, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropiater.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
MONTANA STATE PRISON

RECEIVED
POWELL COUNTY, MONTANA
December 31st, 1969
at ___ minutes past 4:42 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By: Deputy

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: October 21, 1968

Owner: Lee C. Kelson
Address: 61 Deer Lodge

Contractor (if any): Original appropriator & claimant

Address of Contractor: Unknown

Date Started: Oct. 1908
Date Completed: Oct. 1909

1) Describe means of obtaining groundwater (as by sub-irrigation, developed springs, drains, etc.).

Developed springs in S.E.1/4 of S. E. 1/4 of Sec. 22 in T. 7 N., R. 10 W., and spring rising in N. E. 1/4 of N. W. 1/4 in Sec. 27, in T. 7 N., R. 10 W., conveyed for use by 3/4 mile pipeline to S. E. 1/4 of S. E. 1/4 of Sec. 30 in T. 7 N., R. 9 W.

2) Means of withdrawing water (gravity, pump, canal, etc.).

Gravity

3) Depth of water table.

Unknown. Surface

Use of the water: Domestic purposes, irrigation and other useful and beneficial purposes.

5) Amount of groundwater claimed (in miner's inches, or gallons per minute). One cubic foot per second

6) If used for irrigation, give number of acres and description of land: Garden and small pasture

7) Estimate amount of water used each year: Continual use of output

Signature of Owner: Lee C. Kelson

Date: June 18, 1970

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.

4/6085
RECEIVED
POWELL COUNTY, MONTANA

January 20th 1970

at _______ minutes past 11:05 _____ o'clock

A. M.

Elva McDonough
Clerk and Recorder

By _______________ Deputy

Paid $_________
<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>3</td>
<td>Johnson, C. E.</td>
<td>1962</td>
<td>1267</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Welsh, William</td>
<td>1960</td>
<td>1297</td>
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<td>Johnson, C. E.</td>
<td>1970</td>
<td>72257</td>
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<td>4</td>
<td>Coble, Lewis B.</td>
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<td>Holley, Lewis B.</td>
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<td>Johnson, A. T.</td>
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<td>4</td>
<td>McQueen, Joseph A.</td>
<td>Gw3</td>
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<td>Mitchell, Magillton, A.</td>
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<td>Holley, Lewis B.</td>
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<td>Holley, Lewis B.</td>
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<td>Smith, Edward</td>
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<td>Smith, Frank</td>
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<td>Holley, Lewis B.</td>
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</tr>
<tr>
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<td>Smith, Edward</td>
<td>Gw4</td>
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<td></td>
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<tr>
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<td>Smith, Frank</td>
<td>Gw4</td>
<td>82633</td>
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<td>Holley, Lewis B.</td>
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<td></td>
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<tr>
<td>4</td>
<td>Smith, Frank</td>
<td>Gw4</td>
<td>82633</td>
<td></td>
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<tr>
<td>4</td>
<td>Smith, Frank</td>
<td>Gw4</td>
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<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
<td>Type of Form</td>
<td>County File No.</td>
<td>Remarks</td>
</tr>
<tr>
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<td>----------------------</td>
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<tr>
<td>31</td>
<td>Johnson, Ada E.</td>
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<td>73072</td>
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<tr>
<td>32</td>
<td>Johnson, Harry</td>
<td>CWD</td>
<td>72101</td>
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<tr>
<td>1   1</td>
<td>Murray, John T.</td>
<td>CWD</td>
<td>83653</td>
<td></td>
</tr>
</tbody>
</table>
# WATER WELL LOG

**Owner:**
- Address: Sec. 12 Deer Lodge

**Driller:**
- Address: Deer Lodge

**Date Started:**
- Date Completed: May 3, 1940

**Location:**
- Sec. 9 T. 9 R. 9 

**Type of well:** Borehole

**Equipment used:** Chute well

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

**Casing:**
- 25 ft. to 100 ft. Type: Steel Size: 2

**Perforated or Screened:**
- Ft. to Ft. Size:

**Type of screen or perforations:**

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

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

**Pumping water level:**
- Thirty feet at 500 gal. per min.

**How tested:** By pumping

**Length of test:** 30 min.

**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>From</td>
<td>To</td>
</tr>
<tr>
<td>1 5 7</td>
<td>1 5 7</td>
</tr>
</tbody>
</table>

---

POWELL COUNTY, MONTANA

December 25th, 94

Daniel B. Powell

C. J. Johnson

M. Powell

Signed by

Recorded by

[Log of Well]
WATER WELL LOG

Owner: John J. Redliff
Address: PO Box 271

Driller: C. F. Froble
Address: PO Box 170
Anaconda, Montana

Date Started: April 26, 1951
Date Completed: May 21, 1951

Location: Sec 7, T 11, R 9, 1/4 sec

Type of Well: Drilled
Type of Screen or Perforations:

Casing: Surface to 100 ft. Standard Size: 6 in.
Casing: to ft. Type: Size:
Casing: Type: Size:

Perforated or Screened: From to ft. to ft. from ft. to ft.

Static Water Level, for non-flowing well: 66 feet

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

Pumping Water Level: 125 feet at 20 gal. per min

How Tested: Sailed

Length of Test: 2 hours

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>Surface</td>
<td>1'</td>
</tr>
<tr>
<td>1'</td>
<td>Top soil</td>
</tr>
<tr>
<td>1' – 19'</td>
<td>Sand gravel and boulders</td>
</tr>
<tr>
<td>19' – 100'</td>
<td>Intermittent layers, brown clay, and volcanic ash</td>
</tr>
<tr>
<td>100' – 155'</td>
<td>Hard volcanic ash, water bearing</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, 1931)

CLARK H. Johnson, B. J. and M. J. Marsh

(Name of Appropriator)

County of Powell 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
   Domestic and Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... May 5, 1949 Constant Use

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

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
   Yard and Garden

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Commenced May 1, 1949, Completed May 5, 1949

8. The depth of water table
   55 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
   6th Drilled 125 Feet Deep

10. The estimated amount of groundwater withdrawn each year... 1,752,000 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... Montana Bureau of Mines and Geology, Log Origin by given to Powell County Clerk and Recorder on December 29, 1961 at 4:15 P.M.

Signature of Owner

Date... Dec, 21, 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF Vested Ground-Water Rights

CLAIRE R. JOHNSON, MARGARET J.
MARSH & EDW. J. MARSH

RECEIVED
POWELL COUNTY, MONTANA

December 16th, 1962
at minutes past 11:10 o'clock
P.M.
Daniel B. Hertz, Jr.
Clerk and Recorder

By: Deputy

Fee $2.00 paid
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Louis P. Godbee
(Name of Appropriaator) Deer Lodge (Address)
County of Powell State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1914, September, Continuous

4. The amount of groundwater claimed: 25 acre-feet

5. If used for irrigation, give the acreage and description of the lands to which the water has been applied and name of the owner thereof: About 10 acres

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: About from 1914 to about Sept. 1914

8. The depth of water table: 80 ft

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

10. The estimated amount of groundwater withdrawn each year: 00,000

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: open

Signature of Owner: Louis P. Godbee
Date: Jan 11, 1968

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.
DECLARATION OF VESTED GROUND-WATER RIGHTS

LOUIS B. GOLDIE

RECEIVED
POWELL COUNTY, MONTANA

January 15th, 1963
at minutes past 10:30 o'clock

Daniel B. Hertz, Jr.
Clerk and Recorder

By
Deputy

Received $2.00 Paid
STATE OF MONTANA

STATE ENGINEER

SAM W. MITCHELL BUILDING

HELENA, MONTANA

January 21, 1963

Mr. Daniel B. Hertz, Jr.
Powell County
Clerk and Recorder
Deer Lodge, Montana

Dear Mr. Hertz:

The enclosed duplicates of your Document Nos. 71396 and 71397 are returned because the section number has been omitted from the location description in each case. If the originals have the complete location noted, will you please copy it on these duplicates and return them to us?

Very truly yours,

FRED E. BUCK
STATE ENGINEER

By: C. S. Heidel
Deputy State Engineer

CSM:ba
Encs. 2

Copies are same as the originals.
For your information, the Section Number is Four (4).

[Stamp: Clerk & Recorder, Powell County, Montana] 1/22/63
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Louis B. Goldie
(Name of Appropriator)

Puam Lodge
(Address)

Powell
(Town)

County of
State of
Montana

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

1. The beneficial use on which the claim is based:
   Irrigation

2. Date or approximate date of earliest beneficial use:
   1912

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

4. The depth of water table:
   20 ft

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

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:
   1912

8. The depth of water table:
   20 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:

10. The estimated amount of groundwater withdrawn each year:
    About 0,000,000

11. The log of formations encountered in the drilling of each well if available:
    3 ft sand, 3 ft gravel, 4 ft gravel, 3 ft gravel, 3 ft gravel, 3 ft gravel, 3 ft gravel, 3 ft gravel, 3 ft gravel, 3 ft gravel

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

Signature of Owner: Louis B. Goldie
Date: Jan 11, 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.
DECLARATION OF VESTED GROUND-WATER RIGHTS

LOUIS B. GOLDFIE

RECEIVED
POWELL COUNTY, MONTANA

January 15th, 1963
at minutes past 10:25 o'clock
A. M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By
Deputy

Fee $2.00 Paid
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

DATE OF NOTICE OF APPROPRIATION OF GROUNDWATER: AUG. 13, 1969
DATE WELL STARTED: AUG. 5, 1969
DATE COMPLETED: JULY 7, 1969

OWNER: A.T. Larson
ADDRESS: Deer Lodge, Montana

DRILLER: O'Keefe Drilling Co.
ADDRESS: Butte, Montana

ELEVATION ABOVE SEA LEVEL: 2,150

SOIL AND GRAVEL:

0-2 soil
2-15 gravel
15-20 gravel & boulders

WATER USE:

DOMESTIC
MUNICIPAL
Stock
Irrigation
INDUSTRIAL
Drainage
Other

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

Size of Drilled Hole

Size and Weight of casing

From (Feet)

To (Feet)

PERFORATIONS

6" 6" I.D.
17 lb.
0*
73'
None

Static Water Level for non-flowing well 40'

Shut-in Pressure for flowing well

Pumping Water Level 40'
at .30 gal. per minute

Discharge in gal. per min. of flowing well

How Tested: bailer

Length of Test 3 hours

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

SHOW EXACT DEPTH OF BOTTOM

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

Date: DEC 5 1969
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **A.T. Larsen**, of F.O. Box 567, Deer Lodge, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   - **Name of Appropriator**
   - **Address**
   - **Town**
   - **County**
   - **State**

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: in the 1970's

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

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: Unknown

8. The depth of water table: Don't know

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: About three feet in diameter, forty five feet deep. Blinked up from bottom to top.

10. The estimated amount of groundwater withdrawn each year: Don't know

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: __________________________

   Date: __________________________

   December 31st 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.
DECLARATION OF VESTED GROUND WATER RIGHTS

A. T. LARSEN

RECEIVED
POWELL COUNTY, MONTANA

January 2nd, 1966
at minutes past 3100 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

By Deputy

Fee $2.00 Paid
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: 1931

Joseph A. & Mary W. McElwain
Address: Deer Lodge, Montana

Contractor (if any)
Address of Contractor

Date Started: 1931
Date Completed: 1932

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. A borrow pit was dug alongside of
U.S. Highway No. 10 — on each side of highway —
at the time it was constructed through owner's
lands (this highway has since been abandoned).
The borrow pits gathered underground water, which
has been used since 1931 for stock water and is
suitable for irrigation; and has been used for
the latter.

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. 100 inches is a
small part of the total flow and this is used
year-round for stockwater and irrigation during
the growing season.

Tracts 107 and 108 of the
"Valiton Ranch", 10 acres,
according to the plat on file
and of record in the office of
the County Clerk and Recorder
of Powell County, Montana

Signature of Owner
Date December 31, 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.
NOTICE OF COMPLETION OF GROUND-WATER APPROPRIATION WITHOUT WELL

JOSEPH A. McKELWAIN, ET UX

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at ______ minutes past 5:10 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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>
<th>County</th>
<th>State</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marceline U. Mitchell</td>
<td>W. Fourth</td>
<td>Deep Lodge</td>
<td>Powell</td>
<td>Montana</td>
</tr>
</tbody>
</table>

1. 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.
   - Irrigating

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   - 1914
   - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute).
   - 60 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.
   - 340 acres

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
   - None installed

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   - 1914

8. The depth of water table.
   - 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.
   - 60 ft. 8 inch

10. The estimated amount of groundwater withdrawn each year.
    - 50,000 gallons

11. The log of formations encountered in the drilling of each well if available.
    - 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: Marceline U. Mitchell
Date: Dec. 21, 1963
DECLARATION OF VESTED GROUND-WATER RIGHTS

MARCELLENE U. MITCHELL

RECEIVED
POWELL COUNTY, MONTANA

December 31st, 1963
at 3:15 o'clock
P.M.

Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
**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 327 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 cop, to be retained by driller.

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

**Owner:** Dr. Gerr T. Phelps
**Address:** 101 Dixon

**Driller's Log**

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.

<table>
<thead>
<tr>
<th>Top of Ground (Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>From (Ft)</td>
</tr>
<tr>
<td>-----------</td>
</tr>
<tr>
<td>0'</td>
</tr>
<tr>
<td>25'</td>
</tr>
<tr>
<td>60'</td>
</tr>
<tr>
<td>60'</td>
</tr>
</tbody>
</table>

**Date well started:** April 27, 1972
**Date well completed:** April 28, 1972

**Type of well:** Drilled (Dr, driven, bored or drilled)
**Equipment used:** Churn Drill (Churn drill, rotary or other)

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

*Describe:* 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>Size and Weight of casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>KIND</th>
<th>Free (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 6 3/8&quot;oli x .250</td>
<td>65' cutting torch 60'</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 30 ft.
**Pumping water level:** 45 ft.
**at:** 25 gallons per minute, measured minutes after pumping began.

*Measured from ground level.
Well developed by bailing for 2 hours.
Power stated.
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:** T. K. Phelps Contracting Company
**Driller's Address:** 604 Harvard Ave.

**Butte, Montana**
**LICENSE NO.: 8**

**Power:** 51,003
**5/30/71**
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

DR. GARR T. PHELPS

RECEIVED
POWELL COUNTY, MONTANA:

July 21st, 1972
at minutes past 11:15 a.m.

A. M.

By

Asst. Deputy

Fee $2.00
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: Andrew Mcllwain
Address: Box 178, Arlee, Mont.
Driller: Beebe Well Drilling
Address: Box 178, Arlee, Mont.

Date of Notice of appropriation of groundwater: July 27, 1966

Type of well: Drilled
Equipment used: Churn Drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; I.D. 1' l' [above static level]</td>
<td>69' 1/8&quot;x14</td>
<td>65' 89'</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 35' feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 35' feet at: 25 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: [ ]

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

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

(Continue on reverse side)

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

Household

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.

Filed for the record this 2nd day of May at 10:25 A.M.

Driller's Licensed Number: 59300
Driller's Signature: Donald Beebe

Filed No: 86344
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater.

Special Instructions:

Please provide, as indicated in red on the enclosed form, the date the well construction started; and the complete location of the well by Township, Range and Section.

Thank you.

**Special Instructions:**

- Use red for special instructions.
- Answer all questions.
- Attach a map showing the location of the well.
- Provide the number of acres and location data.
- Include remarks about the well's condition.

**Static Water Level for non-flowing well**
- At ___ feet.

**Shut-in Pressure for Flowing Well**
- At ___ feet.

**Pumping Water Level**
- At ___ feet.

**Discharge in gal. per min. of flowing well**
- At ___ gal. per minute.

**How Tested**
- At ___.

**Length of Test**
- At ___.

**Remarks**
- (Gravel packing cementing, packer type of shut-off)

**USE**
- If used for irrigation, industrial, drainage or other. Explain, state the 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.

Filed for the record this 2nd day of May at 107 P.M., 1912.

Driller's License Number: 50307

Driller's Signature: [Signature]

Filed for the record this 2nd day of May at 107 P.M., 1912.

Driller's License Number: 50307

Driller's Signature: [Signature]
**Notice of Completion of Groundwater Appropriation by Means of Well**
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

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

**IOWA DEPARTMENT OF NATURAL RESOURCES**

**Log**

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>17'</td>
<td>Loamy Gravel &amp; Clay</td>
</tr>
<tr>
<td></td>
<td>Sandy Clay</td>
</tr>
<tr>
<td>58'</td>
<td>Clay</td>
</tr>
<tr>
<td></td>
<td>Gravel &amp; Water</td>
</tr>
</tbody>
</table>

**Date of Notice of appropriation of groundwater:**
Jan. 24, 1964

**Date completed:**
July 27, 1964

**Type of well:**
Drilled

**Equipment used:**
Churn drill, rotary or other

**Water use:**
Domestic, Municipal, Irrigation

**Indicate on the diagram the character and thickness of the different strata met with in drilling:**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cement</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td></td>
<td>1'</td>
<td>1'1/2&quot;</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well:**
12'1/2" feet

**Shut-in Pressure for Flowing Well:**
21" feet

**Pumping Water Level:**
31" feet

**Discharge in gal. per minute:**

**How Tested:**

**Length of Test:**

**Remarks:** (Gravel packing, cementing, pack-off type of shot off)

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

**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).**

**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, third copy to be retained by driller.

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

Filed for the record this 2nd day of May at 1:48 P.M.

Driller's License Number: 59-301

Driller's Signature:

[Diagram and additional notes on the form]
WATER WELL LOG

Owner: Deer Lodge Creamery
Address: Deer Lodge

Driller: G.F. Troy
Address: PO Box 170
Anaconda, Montana

Date Started: March 25, 1960
Date Completed: March 31, 1960

Location: Deer Lodge Creamery, Deer Lodge, Montana

Type of well: Drilled
Equipment used: Churn drill

Water use: Domestic
Industrial
Municipal
Stock
Irrigation
Drainage
Other

Casing: 5' to 67' ft. Type: Standard
Casing: ft. to ft. Type: Size:
Casing: ft. to ft. Type: Size:

Perforated or Screened: Ft. to Ft. to Ft.

Type of screen or perforations: 12" of 6" liner with 4" perforations

Static Water level, for non-flowing well: 50' feet.
Shut-in pressure, for flowing well: lb./sq. in. on:
Pumping water level: 73' feet at 60 gal. per min.

How tested: Air compressor
Length of test: 6 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>Surface</td>
<td>Top soil</td>
</tr>
<tr>
<td>2'</td>
<td>3'</td>
</tr>
<tr>
<td>33'</td>
<td>40'</td>
</tr>
<tr>
<td>40'</td>
<td>50'</td>
</tr>
<tr>
<td>50'</td>
<td>52'</td>
</tr>
<tr>
<td>52'</td>
<td>55'</td>
</tr>
<tr>
<td>55'</td>
<td>64'</td>
</tr>
<tr>
<td>64'</td>
<td>75'</td>
</tr>
<tr>
<td>75'</td>
<td>97'</td>
</tr>
<tr>
<td>97'</td>
<td>98'</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: DEER LODGE COUNTRY CLUB
Address: DEER LODGE, MONTANA

Driller: O'KEEFE DRILLING CO.
Address: DEER LODGE, MONTANA

Date of Notice of Appropriation of Groundwater: Not applicable

Date well started: Dec. 20, 1962
Date completed: Jan. 3, 1963

Type of well: 10" drilled
Equipment Used: Drill (dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>10&quot; steel</td>
<td></td>
<td>0</td>
<td>190&quot;</td>
<td></td>
</tr>
<tr>
<td>12&quot; x 4&quot;</td>
<td></td>
<td>12</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>172</td>
<td>188</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>per foot</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 45' feet.
Shut-in Pressure for Flowing Well.
Pumping Water Level: 45' feet at 50 gal. per minute.
Discharge in gal, per min. of flowing well.
How Tested: Bailed
Length of Test: One hour.
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation).

120 acres of golf course and recreational area.

Driller’s License Number
Driller’s Signature
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

DEER LODGE COUNTRY CLUB

- RECEIVED -

POWELL COUNTY, MONTANA

July 10th, 1963
at ___ minutes past ___ o'clock
P.M.
Daniel B. Hertz, Jr.
Clerk and Recorder

Fee $2.00 Paid
Owner: Edward A. McKee  Address: Deer Lodge
Driller: Frank Canley  Address: Deer Lodge
Date Started: 1924  Date Completed: 1924
Location: Sec. 9   T. 7 N.  R. 9 W.  5/6 sec. N 1/2 SW 1/4 SE 1/4

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dug, driven, bored, or drilled</td>
<td>DRILLED</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft. to 104 ft.</td>
<td>1800 ft.</td>
<td>4&quot;</td>
</tr>
<tr>
<td>ft. to</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>ft. to</td>
<td>Type</td>
<td>Size</td>
</tr>
</tbody>
</table>

Perforated or Screened: From ft. to ft.  From ft. to ft.

Type of screen or perforations:

Static Water level, for non-flowing well: feet.
Shut-in pressure, for flowing well: lb./sq. in. on: (date)
Pumping water level: 15 feet at 20 gal. per min.
How tested:
Length of test:

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

(over)
<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>Log of Well</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td></td>
<td></td>
</tr>
<tr>
<td>To</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**WATER WELL LOG**

EDWARD A. McKEE

---

**RECEIVED**

POWELL COUNTY, MONTANA

August 3rd, 1963

at 2:30 p.m.

Daniel H. Hartz Jr.

Clerk and Recorder

By

Deputy

Red No. ___
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.

*Name: Matt Koran
Address: Rural Route 1, SE File 58016
Deer Lodge, Montana 59722
Date well started: 8/14/62
completed: 8/15/66

Type of well: Drilled
Equipment used: churn drill

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).

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

Driller’s Signature: O’Keefe Contracting Company
Driller’s Address: 2804 Harvard Avenue

Butte, Montana 59701
LICENSE NO.: 0

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

MATT KORANG

RECEIVED
POWELL COUNTY, MONTANA

April 3rd, 1973

2:20 o'clock

P. Henry Miller
Clerk and Recorder

By: Asst. Deputy

Fee $ 2.00
---

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

(Developed after January 1, 1962)

(Under Chapter 237 Montana Session Laws, 1961, as amended)

**Top of Ground**

(Elev. above sea level: 0’-1’ Top Soil)

1’-12’ Gravel - Surface water

**Owner:** Darrol Benjamin  
**Address:** Deer Lodge, Mont.

**Drillers:** Keske Drilling Co.  
**Address:** Butte, Montana

**Date of Notice of Appropriation:** Dec. 21, 1963

**Date well started:** Dec. 5, 1963  
**Date completed:** Dec. 5, 1963

**Type of well drilled:** Churn  
**Equipment used:** Churn drill, rotary or other

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>65/8 od</td>
<td>0’</td>
<td>48’</td>
<td>Cutting</td>
<td>43’-48’</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well:** 21 feet

**Shut-In Pressure for Flowing Well:**

- Pumping Water Level: 20 feet
- Discharge in gal. per min. of flowing well

- **How Tested:** Bailed
- **Length of Test:** 2 hrs

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

- (Continue on reverse side)

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

---

**Fill No.:**

**County:** Powell

**Log RECEIVED:** JAN 3

**State Water Conservation Board**

**Administrator of Groundwater Code**

**Montana Water Resources Board**

---

**File No.:**

**Country:** Powell

---

**Duplicate:**

---

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

---

**Table:**

- **Size of Drilled Hole:** 65/8 od
- **Size and Weight of Casing:** 0’
- **From (Feet):** 48’
- **To (Feet):** Cutting 43’-48’

**Diagram:**

- **N**
- **W**
- **E**
- **S**

- **Depth:** 48’

---

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

---

**Date:** 4/4/37

---

**Driller’s License Number:**

---

**Driller’s Signature:**

---

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

---

**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.**

---

**Eight:**

---

**Driller’s Signature:**

---

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

---

**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.**
Received
Powell County, Montana
January 7th, 1969
at___ minutes past 1:25 o'clock
P.M.
Elia McDonough
Clerk and Recorder
By:________________
Deput

Fee $__________
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Cliff Benson
Address: Dear Lodge, Montana

Date of Notice of Appropriation of Groundwater: Feb. 6, 1964
Date Completed: Feb. 10, 1964

Type of well drilled: Churn drill
Equipment Used: churn drill

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&quot;</td>
<td>6&quot; 19&quot;</td>
<td>0'</td>
<td>93'</td>
<td>cutting torch 88' 93'</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 23 feet.
Shut-in Pressure for flowing well: feet.
Pumping Water Level: 76 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well: 
How Tested: bailer
Length of Test: 2 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent information, including number of acres irrigated, if used for irrigation.)

Show exact depth of bottom. 93'

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

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 Approprietor.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

CLIFF BENSON

RECEIVED
POWELL COUNTY, MONTANA
March 13th, 1965
M. minutes past 4:30 o'clock

Daniel B. Hertz, Jr.
Clerk and Recorder

By: Deputy

Received $2.00 Paid
**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**MONTANA WATER RESOURCES BOARD**

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

---

**Owner:** Bill Hanson

**Address:** Bear Lodge, Montana

59722

**Date well started:** May 21, 1973

**Date well completed:** May 21, 1973

**Type of well:** Churn drill

**Equipment used:** Churn drill

**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>Type of Drilled Rock</th>
<th>Top of Ground</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Top soil</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6&quot; x 6&quot; 1/2 1/2</td>
<td>1' 20'</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>20' Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>65' 10' Clay</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>108' 11' Sand</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>112' 120' Trace of water - sand</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>120' 205' Sandy clay</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Static water level:** 130 ft.

**Pumping water level:** 200 ft.

at 45 gallons per minute, measured minutes after pumping began.

*Measured from ground level.

**Well developed by:** Bailing for 500 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: J. O'leefe Contracting Company

Driller's Address: 2804 Harvard Avenue

---

**COUNTY:** Butte, Montana 59720

**LICENSE NO.:** 3

**53,228**
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL.

WILLIAM J. HANSEN

RECEIVED
P. M.

By: Asst. Deputy

Fee $ 2.00
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Notice of Completion of Groundwater Appropriation by Means of Well)

Owner: Bruce Ramblin
Address: 211 4th
City, State: Deer Lodge, Montana

Date well started: May 23, 1972
Date well completed: May 24, 1972

Type of well: Drilled
Equipment used: Chuck Drill
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>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind and Location of Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 6 5/8&quot; ed x .250</td>
<td>41'</td>
<td>93'</td>
<td>88'</td>
<td>Cutting torch</td>
</tr>
</tbody>
</table>

Static water level: 58' ft.
Initial water level: 88' ft.

Pumped: Gallons per minute measured minutes after pumping began.

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.

COUNTY: Lewis
Driller's Signature: O'Boyle Construction Company
Driller's Address: Bozeman, Montana 59715

LICENSE NO.:

5/076
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

BRUCE HAMBLIN

Filed for the record @ 1:23 P.M., August 3rd, 1972.

[Signature]
County Recorder
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

1. Frank Lawell, of R.F.D. Darby
County of
State of Mont.

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

2. The beneficial use on which the claim is based:
   - Household
   - Domestic and irrigation

3. Date or approximate date of earliest beneficial use: and how continuous the use has been:
   - 1918
   - Continually

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 150 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:
   - 100 acres
   - [land description]

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

7. The date of commencement and completion of the construction of the well, wells, or other work for withdrawal of groundwater and gauged by the time employed:
   - [date]
   - [time]

8. The depth of water table:
   - Unknown

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

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

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

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

Signature of Owner: Frank Lawell
Date: Feb. 13, 1964

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.