STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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, Miles City, Montana
   (Name of Appropiator) (Address) (Town)

   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 benefited, if for 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 October 1, 1972

6. The probable or intended date of commencement and completion of the well or wells
   September, 1972

7. The location, type, size and depth of well or wells contemplated
   T. 11 N., R. 56 E., Sec. 1, SW1/4 NE1/4 - pumped well, 6" x 25' deep

8. The probable or estimated depth of the water-table or artesian aquifer 150 feet

9. The name, address, and license number of the driller engaged
   Joe Johnson Drilling, Terry, Montana, License No. 154

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

   ADMINISTRATOR
   WATER RESOURCES DIVISION
   For Administrator's Use

   File 94025
   August 21, 1972 9:00 a.m.

   PERMIT REQUESTED
   BUREAU OF LAND MANAGEMENT
   by: 
   Signature of Appropiator Date AUG 21 1972

   LOCATE WELL OR OTHER MEANS OF DEVELOPMENT AS ACCURATELY AS POSSIBLE ON THE PLAT.

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however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.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

Type of well Drilled

Equipment used Air Rotary

Water Use: Domestic ☐, Municipal ☐, Stock ☐, Irrigation ☐, Industrial ☐, Drainage ☐, Other ☐. Garden/Lawn ☐

Describe ____________________________

Static water level 266 ft

Pumping water level 260 ft at 5 gallons per minute measured 100 minutes after pumping began.

*Measured from ground level. Well developed by 8.84 for 8 hours.

Power Pump HP ____________________________

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

Driller's Signature

License No. 154

Top of Ground

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 10</td>
<td>Brown Topwell</td>
</tr>
<tr>
<td>10 20</td>
<td>Brown Sand</td>
</tr>
<tr>
<td>20 30</td>
<td>Clay &amp; Sand</td>
</tr>
<tr>
<td>30 40</td>
<td>Gray Clay</td>
</tr>
<tr>
<td>40 50</td>
<td>Shale</td>
</tr>
<tr>
<td>50 70</td>
<td>Clay and shales of sandstone, etc.</td>
</tr>
<tr>
<td>70 90</td>
<td>Brown Clay with Shale</td>
</tr>
<tr>
<td>90 100</td>
<td>Clay and shales of sandstone, etc.</td>
</tr>
<tr>
<td>100 120</td>
<td>Sandstone</td>
</tr>
<tr>
<td>120 140</td>
<td>Sandstone</td>
</tr>
<tr>
<td>140 160</td>
<td>Clay</td>
</tr>
<tr>
<td>160 180</td>
<td>Clay and shales of sandstone, etc.</td>
</tr>
<tr>
<td>180 200</td>
<td>Gray Sandstone (Chis)</td>
</tr>
<tr>
<td>200 220</td>
<td>Sandstone (Chis)</td>
</tr>
<tr>
<td>220 240</td>
<td>Gray Sandstone (Chis)</td>
</tr>
</tbody>
</table>

RECEIVED

May 22, 1963

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

Driller's Signature

Driller's Address

For Administrator's Use

File: GW 4197

Date well started 4/17/63

completed 4/17/63

18,978 gallons

Borehole 6", 36' +1

Pumps 1/8 X 6'

180 340

Indicate the character, color, thickness of strata such as sand, clay, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

State of Montana WATER RESOURCES DIVISION

MONTANA WATER RESOURCES BOARD

GEOLOGIST ADMINISTRATOR OF GROUNDWATER CODE

Notice No. 106

Show exact depth of bottom

396

53,267
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Name of Land Manager:**
   - **Appropriator:** Miles City, Montana
   - **Address:**
   - **Town:**
   - **County of Appropriator:** Prairie
   - **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: **Live Stock Water**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **April 1, 1962**
   - **7 months summer season**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **12/7/61 - 12/16/61**

8. The depth of water table: **218 ft**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   - **Drilled well with 1" casing & total depth of 246 ft**

10. The estimated amount of groundwater withdrawn each year: **420,000 gallons per year**

11. The log of formations encountered in the drilling of each well if available:
   - **Limestone, sandstone, sandstone with water**
   - **Sandstone**

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

Signature of Owner: [Handwritten signature]

Date: **Feb 27, 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.
Declaration of Vested Groundwater Rights

(Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator: Sam Irion
   Address: Fallon
   County: Prairie
   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: Consumption and stock water well

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Oct. 19, 1962 - used continually daily.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 gallons per minute.

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

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


8. The depth of water table: 100 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: 3,651,000 gallons per year.

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

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

Signature of Owner: Sam Irion
Date: Dec. 9, 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.

24949
WATER WELL LOG

MONTANA BUREAU OF MINES AND GEOLOGY

STATE ENGINEER

Owner: Mr. Sam Irion
Address: Fallon, Montana

Driller: John D. Wells
Address: Terry, Montana

Date Started: Nov. 30, 1961
Date Completed: Dec. 3, 1961

Location: Sec. 11, T. 11 N., R. 56 W., 1/4 sec. NW

Type of well: Drilled
Equipment used: Churn drill, rotary, other

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

Casing: 0 ft. to 6 ft. Type: S&S Size: 6" 00
Casing: 6 ft. to 92 ft. Type: S&S Size: 6" 00

Perforated or Screened: 55 ft. to 82 ft.
Type of screen or perforations: Holes 56 ft.

Static Water level, for non-flowing well: feet.
Shut-in pressure, for flowing well: lb./sq. in.: (date)
Pumping water level: 78 feet at 3 1/2 gal. per min.

How tested: Railing

Length of test: 2 Hrs.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 8</td>
<td>Yellow Loam</td>
</tr>
<tr>
<td>8 - 16</td>
<td>Coal</td>
</tr>
<tr>
<td>16 - 26</td>
<td>Bule Shale</td>
</tr>
<tr>
<td>26 - 42</td>
<td>Bule Soapstone</td>
</tr>
<tr>
<td>42 - 43½</td>
<td>Rock</td>
</tr>
<tr>
<td>43½ - 55</td>
<td>Bule Soapstone</td>
</tr>
<tr>
<td>55 - 78</td>
<td>Gray Sandstone w/Water</td>
</tr>
<tr>
<td>78 - 92</td>
<td>Gray Shale</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 23, "Montana Session Laws, 1961")

1. Ole Sateren Estate
   (Name of Approprietor)
   Address
   (Town)
   County of
   (Address)
   State of
   (Town)

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

2. The beneficial use on which this claim is based: Household & Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: May 09, 1942

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 8.94 gpm

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: not used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 19, 1942 to May 29, 1942

8. The depth of water table: 9 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:

   9.1 pipe

   Diameter: 9.30 feet

10. The estimated amount of groundwater withdrawn each year: 3,102,600 gallons

11. The log of formations encountered in the drilling of each well if available: see map information, contact [Name of Approprietor]

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:

   "Totals" of Formations: 100 feet, producing formations: 100 feet

   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 Approprietor.

24930
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Ole Setten Estate

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—Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 16, 1952

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 g.p.m.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof—Not used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 10, 1952 to July 15, 1952

8. The depth of water table: 300 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—Well was bored with 350 feet of 4" pipe as casing

10. The estimated amount of groundwater withdrawn each year: 52560 gals

11. The log of formations encountered in the drilling of each well if available—Estara, 05 Oh o 0

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: 12/23/63

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. Paul J. Penn
   (Name of Appropriator) Fallon
   (Address)
   County of Prairie
   State of Montana

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

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

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: May 15, 1943

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 14 gpm

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied, and name of the owner thereof: 32 acres

   6. The means of withdrawing such water from the ground: Flooding Well

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 15, 1943 to May 15, 1943

   8. The depth of water table: 800 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: Artesian 819 ft of 2 x 6 x 1 casing

   10. The estimated amount of groundwater withdrawn each year: 2102,400 gals

   11. The log of formations encountered in the drilling of each well, if available: Powder River Formation - Eocene - Fossiliferous Limestone - Paleozoic - Eocene - Fossiliferous Limestone - Mesozoic

   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: Paul J. Penn
   Date: Dec 13, 1963

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

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

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

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

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

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 used for irrigation.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Cannot find week or month.

8. The depth of water table: 150 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: 30 of 4" Surface Casing, 100 ft. 3/4" pipe.

10. The estimated amount of groundwater withdrawn each year: 6,051,200 gals.

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: Not available.

Signature of Owner: Paul J. Penn
Date: December 13, 1962

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 267, Montana Session Laws, 1961)

Paul J. Penn

County of Prairie
State of Montana

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

1. Declaration of vested groundwater rights

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   April 15, 1961
   Continuous use

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   February 15 to February 20, 1961

8. The depth of water table:
   100 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:
   Flowing well
   100 ft deep

10. The estimated amount of groundwater withdrawn each year:
    80,446 to 90,472
gpm

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:
    None available

Signature of Owner: Paul J. Penn
Date: Dec. 13, 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

(Under Chapter 237, Montana Session Laws, 1961)

Paul J. Reno,

of

Fallon,

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:

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

   December 1948

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

   15 gpm

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

   Wells

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

   April 15, 1948 to Oct 15, 1948

6. The depth of water table:

   18 ft

7. The type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:

   No other wells or works

8. The estimated amount of groundwater withdrawn each year:

   120,000 gallons

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

   None available

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

    None available

Signature of Owner: Paul J. Reno

Date: Dec 43, 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 Appropriorator.
# Declaration of Vested Groundwater Rights

**Under Chapter 237, Montana Session Laws, 1961**

<table>
<thead>
<tr>
<th>Question</th>
<th>Answer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Name of Appropriator</td>
<td>Ola Setzen Estate</td>
</tr>
<tr>
<td>2. Beneficial use</td>
<td>Livestock</td>
</tr>
<tr>
<td>3. Date of earliest beneficial use</td>
<td>June 20, 1963</td>
</tr>
<tr>
<td>4. Amount of groundwater claimed</td>
<td>18 g.p.m.</td>
</tr>
<tr>
<td>5. Used for irrigation</td>
<td>No</td>
</tr>
<tr>
<td>7. Date of commencement and completion of construction</td>
<td>June 15, 1963 to June 20, 1963</td>
</tr>
<tr>
<td>10. Estimated amount withdrawn each year</td>
<td>6,307.500 gallons</td>
</tr>
<tr>
<td>12. Other information</td>
<td>Available in A.S.C. Office of Ray, Montana</td>
</tr>
</tbody>
</table>

**Signature of Owner**

Date: 12/23/63

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

Please answer all questions. If not applicable, state, otherwise the form will be returned.
NOTICE OF APPROPRIATION OF GROUNDWATER
(Under Chapter 237, Montana Session Laws, 1961, as amended)

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.

PERMIT REQUESTED

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

1. Bureau of Land Management

   Miles City, Montana

   (Name of Appropriate)

   (Address)

   (Town)

   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 - for approx. 200 head

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 through November

5. The probable or intended date of first beneficial use May 1, 1973

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

   November, 1972

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

   T. 11 N., R. 56 E., Sec. 21, SW 1/4 SE 1/4 - pumped well, 6" x 400' deep.

8. The probable or estimated depth of the water-table or artesian aquifer 100 feet

9. The name, address, and license number of the driller engaged

   Contract will be let on bid and has not been let at this time.

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

    An annual withdrawal of approx. 135,000 gallons should be made.

    PERMIT GRANTED

    Administrator

    WATER RESOURCES DIVISION

   For Administrator’s Use

   File 94024

   August 24, 1972 9:00 a.m.

   PERMIT REQUESTED

   BUREAU OF LAND MANAGEMENT

   by

   Signature of Appropria
t

   Date 08/21/1972

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressure or is artificially withdrawn.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

STATE ENGINEER
(Under Chapter 237, Montana Session Laws, 1961)

I. STEFFLE, et al
(Name of Appropriator) (Address)
(Town)

County of (Name of County) State of (Name of State)

Details

1. 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 is for livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been (or by date of year thereafter)

4. The amount of groundwater claimed in miner's inches or gallons per minute & gallon per minute by natural inflow per acre per minute by pumped

5. If used for irrigation, give the acreage and description of the land 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 withdrawal of groundwater

10. The estimated quantity 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

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

Owner: [Name]  Address: [Address]
Driller: [Name]  Address: [Address]
Date of Notice of Appropriation of Groundwater: [Date]
Date well started: [Date]  Date Completed: [Date]
Type of well: [Type]  Equipment Used: [Type]
(Dug, driven, bored or drilled)  (Churn, drill, rotary or other)
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 and Weight of Casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>Feet Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot;</td>
<td>0</td>
<td>12</td>
<td>24</td>
</tr>
<tr>
<td>3/4&quot;</td>
<td>12</td>
<td>14</td>
<td>24</td>
</tr>
<tr>
<td>3&quot;</td>
<td>14</td>
<td>16</td>
<td>24</td>
</tr>
<tr>
<td>2&quot;</td>
<td>16</td>
<td>18</td>
<td>24</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: [Depth] feet.
Shut-in Pressure for Flowing Well: [Pressure]
Pumping Water Level: [Depth] feet at: [Rate] gal. per minute.
Discharge in gal. per min. of flowing well: [Rate]
How Tested: [Method]  Length of Test: [Length]
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): [Remarks]

Driller's License Number: [Number]
Driller's Signature: [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.
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

(Please print or typewrite)

(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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been from Jan. 1, 1945, every day that after

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

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

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

Owner:

Address:

Date of Notice of appropriation of groundwater:

Date well started:

Date completed:

Type of well: Drilled

Equipment used:

Water use:

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as 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 Drilling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 ft.</td>
<td>6-19.180, ft.</td>
<td>41</td>
<td>345</td>
<td>6 in. steel</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 40 feet.

Shut-In Pressure for Flowing Well: N/A.

Pumping Water Level: 260 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well: N/A.

How Tested: N/A.

Length of Test: N/A.

Remarks: (Gravel packing, cementing, packers, type of shutoff): N/A.

Indicates 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).

N/A.

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:

42,458
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1963)

Bureau of Land Management

County of

State of

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

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
   (Name of Appropriator)
   of Box 960, Miles City, Montana
   (Address) (Town)
   County of Prairie
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 8 gal/minute

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

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

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

8. The depth of water table: 140 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well with 6' casing

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

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: ELM file No. M3-602

District Manager

Date: 12/30/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

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

Owner: Joe Johnson
Address: Terry, Montana

Date of Notice of appropriation of groundwater: 10/16/67
Date well started: 10/14/67

Type of well: Drilled
Equipment used: Cable tool

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 the water rises in the well.

Static Water Level for non-flowing well: 62 feet
Shut-in Pressure for Flowing Well: N.A.
Pumping Water Level: 60 feet
Discharge in gal. per min. of flowing well: 90 gal.

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

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

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): N.A.

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: 42,657
Driller's Signature: Joe Johnson
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

File No. 92852

Duplicate

County: Prairie

Declaration of Vested Groundwater Rights

(Name of Appropriator) (Address) (Town)

County: Prairie, 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 million inches or gallons per minute): 15 gallons

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: 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:

10. The estimated amount of groundwater withdrawn each year: 172,400 gallons 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: 

Date: 1-5-62

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

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1, 1949; used continuously since

4. The amount of groundwater claimed (in miner's inches or gallons per minute): one gallon 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 not used for irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: diggin of well commenced June 20, 1949, and was completed on July 1, 1949

8. The depth of water table: 3 feet from surface

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: wall 12 feet deep and cased with wooden casing 4 feet in diameter

10. The estimated amount of groundwater withdrawn each year: 300,000 gallons

11. The log of formations encountered in the drilling of each well if available: 0-12 sand

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

Signature of Owner: signature

Date: December 16, 1963

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

Please answer all questions. If not applicable, 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.
**PERMIT GRANTED**

**ADMINISTRATOR**

**STATE OF MONTANA**
**WATER RESOURCES DIVISION**
**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 337 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.

**SELECT WELl**

Owner/Quint of Land Management

Address: Miles City, Montana

File: G4754

Date well started: 5/1/73

Date well completed: 5/12/73

Type of well: Drilled

Equipment used: All Rotary

Water Use: Commercial

*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 Drilling</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>6&quot; 20</td>
<td>336</td>
<td>290</td>
<td>320</td>
</tr>
</tbody>
</table>

Static water level: 11.0 ft

Pumping water level: 10.0 ft

of 30 gallons per minute, measured 26 hours after pumping began.

*Measured from ground level.

Well developed by All...

for 6 hours.

Power: Pump: HP

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

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

Driller's Signature: John Johnson

Driller's Address: Johnson Drilling, Miles City, Montana

License No: 735

Show exact depth of bottom: 35 ft.
INDIANA WATER RESOURCES BOARD

Driller's Log

Driller's Name

WELL

DRILLING DEPARTMENT OF NATURAL RESOURCES BOARD (as amended)

copies to be filed in the county in
ed by driller.

indicating the character, color, thickness
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.

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

<table>
<thead>
<tr>
<th>Size of Drilled</th>
<th>Size and</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; 6&quot; ID</td>
<td>15.97</td>
<td>0</td>
<td>12</td>
<td>NONE</td>
<td></td>
</tr>
<tr>
<td>64&quot; 3&quot;</td>
<td>Plastic</td>
<td>245</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 130 ft.

Pumping water level 245 ft.

at 12 gallons per minute, measured 26 minutes after pumping began.

*Measured from ground level.

Well developed by Air for 2 hours.

Power Pump HP

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

Good Well

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

Each small square represents 40 acres.

Driller's Signature

LICENSE NO. 54

Show exact depth of bottom

59.949
STATE OF MONTANA
MONTANA WATER RESOURCES BOARD
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 257 Montana Session Laws, 1961, as amended)

The 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: Ted Erion
Address: Fallon, Mont.

Date well started: 12/30/71
completed: 1/8/72

Type of well: Drilled
Equipment used: Air Rotary

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>Depth of Well</th>
<th>Use of Water</th>
<th>Flow (gpm)</th>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 ft</td>
<td>Domestic</td>
<td>12</td>
<td></td>
</tr>
<tr>
<td>6 ft</td>
<td>Industrial</td>
<td>245</td>
<td></td>
</tr>
<tr>
<td>5 ft</td>
<td>Stock</td>
<td>120</td>
<td>150</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>220</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>250</td>
</tr>
</tbody>
</table>

Static water level: 33 ft
Pumping water level: 245 ft

Wells developed by A.E.
for 2 hours.
Power: Pump HP
Remarks: Gravel packing, cementing, packers, type of shutoff

Good Well

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.
Each small square represents 40 acres.

Driller's Signature: Joe Erion
Driller's Address: Johnson Dr., Terry, Montana
LICENSE NO. 154

Show exact depth of bottom

60, 79
<table>
<thead>
<tr>
<th>Soc.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>BAN, IVAN J.</td>
<td>Gw-4</td>
<td>95283</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>BAN, IVAN J.</td>
<td>Gw-4</td>
<td>95287</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BAN, IVAN</td>
<td>Waterwell</td>
<td>77624</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>LEE, DON</td>
<td>Waterwell</td>
<td>95290</td>
<td>WRONG TOWNSHIP</td>
</tr>
<tr>
<td>31</td>
<td>KALFELL, BRUCE</td>
<td>Gw-2</td>
<td>92975</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. J. Band
   of Terry
   (Name of Appropriator)
   (Address)
   (Town)
   (County)
   (State)

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

2. The beneficial use on which the claim is based:
   
3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   1908

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

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

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

7. The date of commencement and completion of the construction of the well, wells or other works for withdrawal of groundwater:
   Commenced about 1907 and completed

8. The depth of water table:
   10 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:
   This is a drilled well, 300 ' deep; well casing extends for 250 ' and terminates at
   125 ' below the bottom

10. The estimated amount of groundwater withdrawn each year:
    500,000 gallons 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:
   
   Date: 12/12/63

   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)

STATE ENGINEER

1. **Ivan J. Ban**, of Terry
   [(Name of Appropriator) (Address)]
   [County of*, Prairie*] [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: **Water for Stock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since the land was homesteaded about 1900 A.D.

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. **This is a spring**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. **Not applicable**

8. The depth of water table. **About 20 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. **Not applicable**

10. The estimated amount of groundwater withdrawn each year. **2,000,000**

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

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: **Ivan J. Ban**
Date: **12-10-63**

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.
# WATER WELL LOG

**Owner:** Ivan Ban  
**Address:** Terry, Montana

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

**Date Started:** June 22, 1959  
**Date Completed:** July 3, 1959

**Location:** Sec. 3, T. 10, R. 50, 4 sec.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Casing</th>
<th>Screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Cable &amp; Rotary</td>
<td></td>
<td>Burned holes</td>
</tr>
</tbody>
</table>

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

**Casing:**
- Surface: 58 ft.  
- Type: Steel  
- Size: 6"
- Depth: 218 ft.
- Type: Steel  
- Size: 4"
- Perforated or Screened: 130 ft. to 140 ft. and 159 ft. to 172 ft.

**Type of screen or perforations:** Burned holes

**Static Water level, for non-flowing well:** Raised to 80 ft. from surface

**Shut-in pressure, for flowing well:** 108 ft. 6 gal  (date)

**Pumping water level:** 6 gal per min.

**How tested:** Bailed

**Length of test:** 4 hours

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
6" casing used to case off sand and gravel
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top soil</td>
</tr>
<tr>
<td>2</td>
<td>Sandy clay</td>
</tr>
<tr>
<td>10</td>
<td>Clay with gravel</td>
</tr>
<tr>
<td>14</td>
<td>Rock</td>
</tr>
<tr>
<td>15</td>
<td>Sand</td>
</tr>
<tr>
<td>34</td>
<td>Rock</td>
</tr>
<tr>
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<td>861</td>
<td>Shale (cut)</td>
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## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

### STATE OF MONTANA

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**Declaration of Vested Groundwater Rights**

**STATE ENGINEER**

---

1. **Appropriator**: Jane J. Ban

   **Address**: 123 Main St, Terry

   **Town**: Terry

   **State**: Montana

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

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

   - **For stock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1890

4. The amount of groundwater diverted (in miner's inches per minute). 2.5 gals. per minute for each well.

5. If used for irrigation, give the source 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.

   - **Not applicable**

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

   - **Not applicable**

8. The depth of water table:

   - **About 30 ft**

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

   - **A is 16' deep**

10. The estimated amount of groundwater withdrawn each year:

    - **1,036,800 gals.**

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.

    - **Not applicable**

---

**Signature of Owner**: Jane J. Ban

**Date**: 10-10-63

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**
**MONTANA WATER RESOURCES BOARD**

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

Developed after January 1, 1963

(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**
Bruce Kellfall

**Adress**
Terry, Montana

**Date well started**
12/20/70

**Completed**
12/31/70

**Type of well**
Drilled

**Equipment used**
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**

<table>
<thead>
<tr>
<th>Size of Drilled</th>
<th>Rate and Timing</th>
<th>Flowing</th>
<th>Pumping</th>
<th>Measured</th>
<th>HP</th>
<th>Remarks</th>
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<td>0 24</td>
<td>480</td>
<td>560</td>
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<td>9.25</td>
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<tr>
<td>4 3/4&quot; 2&quot; ID</td>
<td>24 300</td>
<td>520</td>
<td>640</td>
<td>16</td>
<td>10.50</td>
<td>Well is cemented at 98 feet</td>
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</tbody>
</table>

---

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

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**Driller's Signature**
Johnson Drills, Terry, Montana

---

**LICENSE NO. 154**

---

4/553
Filed

Jul 1, 1971

[Handwritten notes]

[Signature]