STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Of Montana

(Name of Appropriator)

County of

(Town)

State of

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): At least 40 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 from ground with Windmill

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

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 The estimated amount of groundwater withdrawn each year: No idea

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: Dec. 29, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Bureau of Land Management</th>
</tr>
</thead>
<tbody>
<tr>
<td>of Box 960, Miles City</td>
</tr>
</tbody>
</table>

**County of:** Custer  
**State of:** Montana

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

1. **Name of Appropriator**  
2. **Address**  
3. **Town**

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**  
   - Sept. 1943 - continuous

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

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

6. **The means of withdrawing such water from the ground and the location of each well or other means of withdrawal**  
   - Windmill - Height of Sec. 18

7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**  
   - Sept. 1942

8. **The depth of water table**  
   - 159 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 - 159 ft deep, standard 4½ casing

10. **The estimated amount of groundwater withdrawn each year**  
    - 1,590,000 gal

11. **The log of formations encountered in the drilling of each well if available**  
    - Water in clay formation

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

**District Manager**  

**Date**

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

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

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

(No. Notice of Appropriation of Groundwater, 1965)

Date of Notice of Appropriation of Groundwater: 6/27/65

Date Well Started: 5/3/65

Date Completed:

Type of Well: Drilled

Equipment Used: Churn cable

(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.

Static Water Level for non-flowing Well

Static Water Level for Flowing Well

Pumping Water Level

Discharge in gal, per min. of flowing well

How Tested

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)

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

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.

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 Appropriorator.
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

Date: January 8, 1964

STATE ENGINEER

1. Lee Kubing
   (Name of Appropriate)

2. Terril
   (Address)

3. Prairie
   (Town)

4. County of Prairie
   (State of)

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

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

   4. Date or approximate date of earliest beneficial use: 1919 - well, continued

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

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

   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
   [Signature]
   Date: 1-3-1962

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

Lee Hubing, of Terry, of County of PRATIE 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.
   Stock

2. Date or approximate date of earliest beneficial use and how continuous the use has been.
   1906 - Continuous

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

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
   Springs - Flowing

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   1908

7. The depth of water table.
   200 ft.

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

9. The estimated amount of groundwater withdrawn each year.
   5,500,000 gal.

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

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

Signature of Owner: Lee Hubing
Date: 7-31-64

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

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

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

Notice of Completion of Groundwater
Appropriation by Means of Drilling

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Bureau of Land Management
Address: Miles City, Montana

Driller: Sande & Singer
Address: Billings, Montana

Date of Notice of Appropriation of Groundwater: April 24, 1965

Date well started: 4/21/65
Date completed: 4/26/65

Type of well: Drilled
Equipment Used: Churn cable
(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>Stratum</th>
<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>Sandstone</td>
<td>7 7/8</td>
<td>6 3/8 0.2</td>
<td>0</td>
<td>230</td>
<td>1/8&quot; 4 row</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 300 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level: 220 feet at 3 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Bailing
Length of Test: 1 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)


<table>
<thead>
<tr>
<th>Remarks:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Sande & Singer #6
Driller’s License Number

/s/ Roy Singer
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 School of Mines and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>TAYLOR, GAYLE</td>
<td>GW-4</td>
<td>55240</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>JOHNS, RAYMOND</td>
<td>GW-2</td>
<td>56730</td>
<td></td>
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<tr>
<td>6</td>
<td>JOHNS, RAYMOND</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>GW-3</td>
<td>96275</td>
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<tr>
<td>10</td>
<td>BAN, FRANK</td>
<td>GW-4</td>
<td>56831</td>
<td></td>
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<tr>
<td>12</td>
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<td>GW-2</td>
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<tr>
<td>12</td>
<td>TAYLOR, GAYLE</td>
<td>WATERWELL LOG</td>
<td>52990</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>TAYLOR, GAYLE</td>
<td>WATERWELL LOG</td>
<td>52990</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>BAN, FRANK</td>
<td>GW-4</td>
<td>55533</td>
<td></td>
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<td>17</td>
<td>BUREAU OF LAND MANAGEMENT</td>
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<td>22</td>
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<td></td>
<td></td>
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<td>22</td>
<td>BAN, FRANK</td>
<td>WATERWELL LOG</td>
<td>51799</td>
<td></td>
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<tr>
<td>22</td>
<td>BAN, FRANK</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>BAN, EDWIN</td>
<td>GW-4</td>
<td>55533</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>BAN, EDWIN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>BAN, EDWIN</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>TAYLOR, GAYLE</td>
<td>WATERWELL LOG</td>
<td>9934</td>
<td></td>
</tr>
</tbody>
</table>

Remarks: Unritten
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Name of Appropriator: [Name]
Address: [Address]
(Town)
County of: [County]
State of: [State]

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

2. The beneficial use on which the claim is based
   [Use]

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   No. 1 - [Amount] per minute
   No. 2 - [Amount] 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
   [Acreage] - [Description]
   [Owner]

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   No. 1 - [Method] - [Location]
   No. 2 - [Method] - [Location]

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   No. 1 - [Date of Construction/Completion]
   No. 2 - [Date of Construction/Completion]

8. The depth of water table
   No. 1 - [Depth]
   No. 2 - [Depth]

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   No. 1 - [Type/Size/Depth]
   No. 2 - [Type/Size/Depth]

10. The estimated amount of groundwater withdrawn each year
    No. 1 - [Amount]
    No. 2 - [Amount]

11. The log of formations encountered in the drilling of each well if available
    No. 1 - [Log]
    No. 2 - [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

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

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

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

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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER USE
OFFICE OF STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Raymond Jones
Address: Terry, Montana

Driller: Ira C. Bond
Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 8/12/64
Date Completed: 8/14/64

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.

Size of Drilled Hole

Static Water Level for non-flowing Well: 20 ft.
Shut-in Pressure for Flowing Well
Pumping Water Level: 20 ft. of 5 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 similar pertinent information, including number of acres irrigated, if used for irrigation)

Show exact depth of bottom.

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 School of Mines and quadruplicate for the Appropriator.
**MONTANA BUREAU OF MINES AND GEOLOGY**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>(Dredge, bared, or drilled)</td>
</tr>
<tr>
<td>Municipal</td>
<td>(Dredge drill, rotary, other)</td>
</tr>
<tr>
<td>Stock</td>
<td>Water use: Domestic □  Municipal □  Stock X  Irrigation □</td>
</tr>
<tr>
<td></td>
<td>Industrial □  Drainage □  Other:</td>
</tr>
<tr>
<td></td>
<td>Casing: 1 ft. to 20 ft. Type: Drill  Size: 2 1/2&quot;</td>
</tr>
<tr>
<td></td>
<td>Casing: 20 ft. to 27 ft. Type:  Size: 5&quot;</td>
</tr>
<tr>
<td></td>
<td>Casing: 27 ft. to ft. Type:  Size:</td>
</tr>
<tr>
<td></td>
<td>Perforated or Screened: 20 ft. to 27 ft. Ft. to Ft.</td>
</tr>
<tr>
<td></td>
<td>Type of screen or perforation:</td>
</tr>
<tr>
<td></td>
<td>Static Water level, for non-flowing well: 18 feet.</td>
</tr>
<tr>
<td></td>
<td>Shut-in pressure, for flowing well: lb/sq. in. on: (date)</td>
</tr>
<tr>
<td></td>
<td>Pumping water level: 18 feet at 4 gal. per min.</td>
</tr>
<tr>
<td></td>
<td>How tested: Rush bucket</td>
</tr>
<tr>
<td></td>
<td>Length of test: 30 min.</td>
</tr>
</tbody>
</table>

**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>1 - 15</td>
<td>Lumber</td>
</tr>
<tr>
<td>15 - 18</td>
<td>Clay</td>
</tr>
<tr>
<td>18 - 20</td>
<td>Sand</td>
</tr>
<tr>
<td>20 - 27</td>
<td>Gluebond</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner

Driller

Date of Notice of Appropriation of Groundwater

Date well started

Date Completed

Type of well

Equipment Used

Water Use

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

Static Water Level for non-flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

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)

The well is gravel packed. Good water

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

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

1. Frank M. Ben
   (Name of Appropriator) of
   (Address) in
   (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:
   ( ) house and lot
   ( ) state water well
   ( ) irrigation

3. Date or approximate date of earliest beneficial use; and how continued the use has been
   ( ) ground water claim

4. The amount of ground water claimed (in miner's inches or gallons per minute)
   10 gpm per min.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Oct 1, 1953

8. The depth of water table
   110 ft.

9. As 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
   Called

10. The estimated amount of groundwater withdrawn each year
   90,000 gpd.

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>NO SECTION NUMBER</th>
<th>81734</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Prairie</td>
</tr>
</tbody>
</table>

**NTANA BUREAU OF MINES AND GEOLOGY**
**Butte, Montana**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Mr. Gayle Taylor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Terry Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Johnson Water Well Service</td>
</tr>
<tr>
<td>Address</td>
<td>Terry Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>10-15-68</td>
</tr>
<tr>
<td>Date Completed</td>
<td>10-20-68</td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>T. 15 R. 48</td>
</tr>
<tr>
<td></td>
<td>4 sec.</td>
</tr>
</tbody>
</table>

- **Type of well:** Drilled
- **Equipment used:** Drilled
- **Cable tool:** (Choose one: rotary, diamond, etc.)
- **Water use:** Domestic [ ] Municipal [ ] Stock [x] Irrigation [ ]
- **Industrial** [ ] Drainage [ ] Other: [ ]
- **Casing:** 0 ft. to 167 ft. Type: Std pipe Size: 6"
- **Casing:** Ft. to Ft. Type: Size:
- **Casing:** Ft. to Ft. Type: Size:
- **Perforated or Screened:** 0 to 160 ft. 160 ft. to ft.
- **Type of screen or perforations:** Holes
- **Static Water level, for non-flowing well:** 140 ft.
- **Shut-in pressure, for flowing well:** 10 lb./sq. in. on: (date)
- **Pumping water level:** 140 gal. per min.
- **How tested:** Approximately 1 hour
- **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>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 14</td>
<td>Gravel</td>
</tr>
<tr>
<td>14 - 24</td>
<td>Shale</td>
</tr>
<tr>
<td>24 - 31</td>
<td>Rock</td>
</tr>
<tr>
<td>31 - 130</td>
<td>Blue-shale</td>
</tr>
<tr>
<td>130 - 140</td>
<td>Sandy gray shale</td>
</tr>
<tr>
<td>140 - 160</td>
<td>Sandstone (gray)</td>
</tr>
<tr>
<td>160 - 187</td>
<td>Sandy shale</td>
</tr>
</tbody>
</table>
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

*Owner*: Gale Taylor  
*Address*: Terry

*Driller*: Tim G. Bond  
*Address*: Terry

Date of Notice of Appropriation of Groundwater: **Sept 13, 1964**

**Date well started**: Sept 7, 1964  
**Completed**: Sept 14, 1964

**Type of well**: Drilled  
**Equipment Used**: Drilled (Churn, drill, rotary, etc.)

**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 Equipment</th>
<th>From Top (Feet)</th>
<th>To (Feet)</th>
<th>Kind of Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1/2&quot;</td>
<td></td>
<td>23.4</td>
<td>42</td>
<td>N1/2</td>
</tr>
<tr>
<td>5 1/8&quot;</td>
<td></td>
<td>41</td>
<td>56</td>
<td>N1/4</td>
</tr>
<tr>
<td>4&quot;</td>
<td></td>
<td>11.10</td>
<td>43</td>
<td>N1/8</td>
</tr>
</tbody>
</table>

- **Static Water Level** for non-flowing well: **feet.**
- **Shut-in Pressure** for flowing well: **feet.**
- **Pumping Water Level**: **feet.** at **gal. per minute.**
- **Discharge in gal. per min. of flowing well**: **gal.**
- **How Tested**: **Days.**
- **Length of Test**: **Days.**

**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)

---

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

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.

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 ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Gayle Taylor  Address: Terry, Montana
Driller: Tony C. Bond  Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 8/13/63  Date of Completion: 8/15/63

Type of well: Drilled  Equipment Used: Cable tool (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 Drilling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8</td>
<td>4 in 10 1/2 13</td>
<td>0</td>
<td>92</td>
<td>70 88</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 65 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level: 60 feet at 8 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: with 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 similar pertinent information, including number of acres irrigated, if used for irrigation)

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

Show exact depth of bottom: 92 feet

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

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

1. **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:

<table>
<thead>
<tr>
<th>No.</th>
<th>Date or approximate date of earliest beneficial use, and how continuous the use has been since then.</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td></td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been since then:
   - No. 1 - 1951 - Continuous
   - No. 2 - 1953 - Continuous
   - No. 3 - 1925 - Continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - No. 1 - 3 gallons per minute
   - No. 2 - 3 gallons per minute
   - No. 3 - 5 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - No. 1 - Pump
   - No. 2 - Pump
   - No. 3 - Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - No. 1 - 1951
   - No. 2 - 1953
   - No. 3 - 1925

8. The depth of water table:

<table>
<thead>
<tr>
<th>No.</th>
<th>Depth of water table</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>150' ft.</td>
</tr>
<tr>
<td>2</td>
<td>175' ft.</td>
</tr>
<tr>
<td>3</td>
<td>200' ft.</td>
</tr>
</tbody>
</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:
   - No. 1 - Diameter = 1/2 inch, Depth = 25 feet
   - No. 2 - Diameter = 1/2 inch, Depth = 30 feet
   - No. 3 - Diameter = 1/2 inch, Depth = 33 feet

10. The estimated amount of groundwater withdrawn each year:
    - No. 1 - 20,000 gallons
    - No. 2 - 25,000 gallons
    - No. 3 - 30,000 gallons

11. The log of formations encountered in the drilling of each well if available:
    - No. 1 - Available
    - No. 2 - Available
    - No. 3 - 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; Quadruplicate for the Appropriator.

Signature of Owner: __________________________
Date: __________________________
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. **Goyle R. Taylor**, of **Missoula**, State of Montana
   County of **Missoula**

   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: **1931**, **Annually**

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): **35 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: **Not known**

   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: **Self-flushing spraying**

   10. The estimated amount of groundwater withdrawn each year: **12,140,000 gallons**

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

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

   Signature of Owner, **Goyle R. Taylor**

   Date, **Dec. 21-1963**

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 Appropriate.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Gayle Taylor  Address: STATE ENGINEER
Driller: Ira G. Jones  Address: Terry, Montana
Date Started: August 7, 1961  Date Completed: August 8, 1961
Location: Sec. 12  T. 15  R. 1/2  1/4 sec. N. G.

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 20 ft.</th>
<th>Type: steel</th>
<th>Size: 6 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>20 ft. to 30 ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Casing:</td>
<td>30 ft. to 40 ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>16 ft. to 22 ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
<th>&lt;16 in. holes out three in. apart with torch</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>6 down to 15 ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>10 lb./sq. in. on:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>10 ft. feet at 3 gal. per min.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>for one hour</th>
</tr>
</thead>
</table>

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>gravel and sand</td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
<tr>
<td>Water Well Log</td>
<td>Montana Bureau of Mines and Geology</td>
</tr>
<tr>
<td>---------------</td>
<td>----------------------------------</td>
</tr>
</tbody>
</table>

**Owner:** Wayle Taylor  
**Address:** Terry, Montana

**Driller:**  
**Address:** Terry, Montana

**Date Started:** Oct 15, 1962  
**Date Completed:** Oct 25, 1962

**Location:** Sec 12, T 15 R 19 S 14

---

**Type of well:** Drilled  
**Equipment used:** Cable (Depth, rate, etc.)

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

**Casing:** 0 ft. to 18 ft.  
**Type:** Steel  
**Size:** 6 in.

**Casing:** 0 ft. to 132 ft.  
**Type:** Steel  
**Size:** 4 in.

**Casing:** 132 ft. to 180 ft.  
**Type:**  
**Size:**

**Perforated or Screened:** Yes  
**Type of screen or perforations:** 5/16 in. holes out three in. apart with torch

**Static Water level, for non-flowing well:** 118 ft.

**Shut-in pressure, for flowing well:** 118 to 120 lb/sq. in. on: (date)

**Pumping water level:** 125 ft. at 3 gal./min

**How tested:** with bailer

**Length of test:** for one hour

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-1</td>
<td>top soil</td>
</tr>
<tr>
<td>1-4</td>
<td>black clay</td>
</tr>
<tr>
<td>4-18</td>
<td>gravel</td>
</tr>
<tr>
<td>18-50</td>
<td>gypsum</td>
</tr>
<tr>
<td>50-88</td>
<td>sand</td>
</tr>
<tr>
<td>88-120</td>
<td>sandstone</td>
</tr>
<tr>
<td>120-128</td>
<td>water sand 3/4 gpm</td>
</tr>
<tr>
<td>128-132</td>
<td>gumbo</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Frank Bar, of Missoula, Montana,
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use to which the claim is based: Stock spring

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

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

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

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

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

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: [Signature]

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

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

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]

Signature of Owner: Frank Bar
Date: Dec 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 Appropiirator.
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 filled 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.

Diamond Well

Owner: Johnson, Terry Montana

Address: 203 W. Johnson, Terry, Montana

Date well started: 9/29/72

Date well completed: 10/1/72

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.

License No: 154

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

Pumping water level 255 ft. below static level, measured 20 minutes after pumping began.

Statue water level: 167 ft.

Power: Pump: 1 HP

Remarks: Gravel packing, cementing, packers, top of sandstone packed.

UNITED STATES

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: J. L. Johnson

Driller's Address: 203 W. Johnson, Terry, Montana

LICENSE NO: 154

Show exact depth of bottom

52018
Notice of Completion of Groundwater Appropriation by Means of Well

(Taken or completed after January 1, 1962)

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

Owner: Bureau of Land Management, Miles City, Montana

Driller: Joe Johnson Drilling, Address: Terry, Montana

Date of Notice of Appropriation of groundwater: 3/25/70

Date well started: 3/25/70 Date completed: 3/25/70

Type of Well: Drilled

Equipment used: Air Rotary

(Chin 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>Date of Drilled</th>
<th>Size and Weight of Drilling</th>
<th>Feet</th>
<th>Feet</th>
<th>Performance</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/8/70</td>
<td>6&quot; X 12'</td>
<td>146</td>
<td>3/8&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 106 feet.

Shut-In Pressure for Flowing Well

Pumping Water Level 126 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: 1 hr

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.

(Marks on map)

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

(Continued 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).

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, four copies 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

47 N 98
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1951)

Owner: Gayle Taylor  Address: Terry, Montana
Driller: Ira G. Bond  Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: 4/25/55
Date well started: 4/25/55  Date Completed: 4/29/55

Type of well: Drilled
Equipment Used: Cable
(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.

Sedimentology Table:

<table>
<thead>
<tr>
<th>Size of Drilled Hole (ft)</th>
<th>Size and Weight of Casing</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>Kind of Casing</th>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6 5/8 OD</td>
<td>surface</td>
<td>24'</td>
<td>burned slots</td>
<td>60</td>
<td>72</td>
</tr>
<tr>
<td>5 5/8&quot;</td>
<td>4&quot; ID</td>
<td>48</td>
<td>72</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 50 feet
Shut-in Pressure for Flowing Well
Pumping Water Level: 55 feet at 3 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: bump
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 similar pertinent information, including number of acres irrigated, if used for irrigation)

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

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.

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

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

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

1. Gayle R. Taylor
   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: Stock Water - Livestock.

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 20.0.

   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: Spring Water.

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

   8. The depth of water table: About 125 ft. from well - Spring.

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

   10. The estimated amount of groundwater withdrawn each year: 15,000 gal.

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

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not available.

Signature of Owner: Gayle R. Taylor
Date: Dec 9, 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.
**WATER WELL LOG**

**Owner:** Sample Taylor  
**Address:** Terry, Montana

**Driller:** Irr & Pond  
**Address:** Terry, Montana

**Date Started:** Sept 25, 1961  
**Date Completed:** Sept 29, 1961

**Location:** Sec. 22 T. 15 R. 18 W 4 sec.

<table>
<thead>
<tr>
<th>Type of well drilled</th>
<th>Equipment used</th>
<th>Water use</th>
<th>Casing: 72 ft. to 124 ft. Type: steel, Size: 3 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Domestic</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other:</td>
<td></td>
</tr>
</tbody>
</table>

**Casing:** 72 ft. to 124 ft.  
**Type:** steel  
**Size:** 3 in.

**Perforated or Screened:** Ft. 139 to Ft. 129  
**Type:** Jured holes

**Static Water level, for non-flowing well:** 94 ft.

**Shut-in pressure, for flowing well:** 104 lb/sq. in.  
**(date):**

**Pumping water level:** 194 feet at 5 gal per min.  
**How tested:** 194 ft.  
**Length of test:** 2 hours

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
**original drilled 1952 this was deepened this year**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>72 - 92</td>
<td>Sand</td>
</tr>
<tr>
<td>92 - 98</td>
<td>Clay</td>
</tr>
<tr>
<td>98 - 104</td>
<td>Clay, dry water sand</td>
</tr>
<tr>
<td>104 - 109</td>
<td>Clay</td>
</tr>
<tr>
<td>109 - 120</td>
<td>Water sand</td>
</tr>
<tr>
<td>120 - 124</td>
<td>Clay</td>
</tr>
</tbody>
</table>
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: Bureau of Land Management

Driller: J.C. Johnson Drilling

Date of Notice of Appropriation of Groundwater: 5/26/70

Date well started: 5/26/70

Date completed: 5/27/70

Type of well: Drilled

Equipment used: Air Rotary

Type of well: Drilled

Equipment used: Air Rotary

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.

Static Water Level for non-flowing well

33 feet

Shut-in Pressure for Flowing Well

Pumping Water Level

44 feet

Discharge in gal. per min. of flowing well

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

Quick sand was... 

cased off with 8" casing & pulled out when well was... 

completed.

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).

Driller's License Number

Driller's Signature
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: Bureau of Land Management, Miles City
Driller: Joe Johnson Drig, Address: Terry

Date of Notice of appropriation of groundwater:

Type of well: 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>Depth of Drilled Hole</th>
<th>Diameter of Casing</th>
<th>Total Depth</th>
<th>Kind of Perforations</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>75 ft</td>
<td>6&quot; ID</td>
<td>18-97 ft</td>
<td>70</td>
<td>3/8&quot;</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well:
35 ft

Shut-in Pressure for Flowing well:
44 ft

Discharge in gal. per min.

How Tested: Boiler tested

Length of Test: 2 hrs

Remarks: Gravel packing, cementing, packers, type of shafting

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

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. One copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
MONTANA BUREAU OF MINES AND GEOLOGY

WATER WELL LOG

STATE ENGINEER

<table>
<thead>
<tr>
<th>Owner</th>
<th>Ben Brothers</th>
<th>Address</th>
<th>Terry Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Ira C. Bond</td>
<td>Address</td>
<td>Terry Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>July 24, 1961</td>
<td>Date Completed</td>
<td>July 28, 1961</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 24, T.15 R.48 NE of the NE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Type of well: Drilled
Equipment used: Cable tool

Water use: Domestic [ ] Municipal [ ] Stock [X] Irrigation [ ]

Casing: 0 ft. to 148 ft. Type: steel
Size: 4 in.

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

Pumping water level: 125 feet at 6 gal. per min.

Length of test: two hours

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>1</td>
<td>15</td>
<td>Topsoil</td>
</tr>
<tr>
<td>16</td>
<td>19</td>
<td>20</td>
<td>yellow clay</td>
</tr>
<tr>
<td>20</td>
<td>24</td>
<td>20</td>
<td>Sand</td>
</tr>
<tr>
<td>24</td>
<td>44</td>
<td>44</td>
<td>gumbo</td>
</tr>
<tr>
<td>44</td>
<td>52</td>
<td>52</td>
<td>sand</td>
</tr>
<tr>
<td>52</td>
<td>68</td>
<td>68</td>
<td>coal</td>
</tr>
<tr>
<td>68</td>
<td>78</td>
<td>78</td>
<td>sand--seep 1½ gpm</td>
</tr>
<tr>
<td>78</td>
<td>92</td>
<td>92</td>
<td>sand &amp; seep 1½ gpm</td>
</tr>
<tr>
<td>92</td>
<td>96</td>
<td>96</td>
<td>coal</td>
</tr>
<tr>
<td>96</td>
<td>119</td>
<td>119</td>
<td>gumbo</td>
</tr>
<tr>
<td>119</td>
<td>144</td>
<td>144</td>
<td>water on and 13 gpm</td>
</tr>
<tr>
<td>144</td>
<td>148</td>
<td>148</td>
<td>gumbo</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

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

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

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

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

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

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

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

8. The depth of water table: 5 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: [Description]

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: [Signature]
Date: Dec. 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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Frank Doe, of East (Name of Appropriator) (Address)

County of: Montana State of: Montana

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

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner: Frank Doe
Date: Dec 30, 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.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Edwin Bar (Name of Appropriator)
   of Terry (Address)
   Living in Terry (Town)
   County of Powder River (County)
   State of Montana (State)

I declare under oath that 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.

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

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner: Edwin Bar
Date: Dec. 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 Appr-priator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Frank Ban  Address: Terry, Montana

Driller: Joe C. Bond & Sons  Address: Terry, Montana

Date of Notice of Appropriation of Groundwater:

Date well started: 12/9/68  Date completed: 12/12/68

Type of well: Drilled  Equipment Used: Cable tool

Water Use: Domestic  Municipal  Other  Irrigation

Static Water Level for non-flowing Well: 21 feet

Shut-in Pressure for Flowing Well

Pumping Water Level: 36 feet at 4 gal per minute

Discharge in gal per min. of flowing well

How Tested: Ballast  Length of Test: 4 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)

Show exact depth of bottom.

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

Driller's License Number

Driller's Signature