STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

File No. 16855

County: 

STATE OF MONTANA
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

1. Name of Appropriator: 
Address: 
(Town) 
County of: 
State of: 

I, the undersigned, 

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

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

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

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

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

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

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

8. The depth of water table: 

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

10. The estimated amount of groundwater withdrawn each year: 

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

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

Signature of Owner: 

Date: 

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Tripplicate to the School of Mines and Quadruplicate to the Appropiator.
State of Nebraska
County of Fillmore

Filed: DEC 18 1863
At: 10:20 A.M.

Harry Hatch
County Clerk and Recorder

16855
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 2 of Montana Session Laws, 1961, as amended)

**Owner**: 
**Address**: 

**Driller**: 
**Address**: 

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

Type of well: 

Equipment used: 

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock, 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</th>
<th>Theor. ft.</th>
<th>Test ft.</th>
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</thead>
<tbody>
<tr>
<td>100</td>
<td>100</td>
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</tbody>
</table>

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)

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

**SHOW exact depth of bottom**.

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

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

---

**Static Water Level**: 

**Shut-in Pressure**: 

**Pumping Water Level**: 

**Discharge**: 

**How Tested**: 

**Remarks**: 

**USE**: 

**Show exact depth of bottom**: 

**Driller's License Number**: 

**Driller's Signature**: 

---

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**STATE WATER CONSERVATION BOARD**

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

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 2 of Montana Session Laws, 1961, as amended)

**Owner**: 
**Address**: 

**Driller**: 
**Address**: 

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

Type of well: 

Equipment used: 

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock, 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.

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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)

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

**SHOW exact depth of bottom**.

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

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

---

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**STATE WATER CONSERVATION BOARD**

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

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 2 of Montana Session Laws, 1961, as amended)

**Owner**: 
**Address**: 

**Driller**: 
**Address**: 

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

Type of well: 

Equipment used: 

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

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock, 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>
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<th>Test ft.</th>
</tr>
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<tbody>
<tr>
<td>100</td>
<td>100</td>
<td>100</td>
</tr>
</tbody>
</table>

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)

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

**SHOW exact depth of bottom**.

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

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

County of Pocatello

Filed 5/23/19

2:30 P.M.

Mary R. Godwin
County Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

I. Mabel C. Ryan
(Name of Appropriator)

of
(Address)

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

   domestic stock water and irrigation

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

   October 26, 1950 — used continuously — daily

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

   50 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

   used S.W. 1/4 Section 30, Township 15 North,
   Range 23 East

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

   artesian well — flowing

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

   commenced prior to and completed October 26, 1950

8. The depth of water table

   530 feet 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

   2" I.D. pipe

10. The estimated amount of groundwater withdrawn each year

    all water put to beneficial use

    (flows 50 gallons per minute)

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

    well drilled by Livingston, of Winnett, Montana

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

    —

Signature of Owner

Date

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

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

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

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

Joe Gorgan

Grass Range

County of Fergus

County 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 & household water

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: Sept. 12, 1950
   Daily use

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 20 gal. per min.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: August 20, 1950 - Sept. 12, 1950

8. The depth of water table: 550'

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: 552' deep, 4'' casing

10. The estimated amount of groundwater withdrawn each year: 4,330,000

11. The log of formations encountered in the drilling of each well is available. Water is produced from the 3rd Cretaceous Sand in the Eutene 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.

Signature of Owner:

Date:

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

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

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

Filed................................
DEC 31 1868
at 10:30 o'clock A.M.

\# 2 of Gd. MAY RATHBUN
County Clerk and Recorder
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

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

Barbara Ryan Richards,
George William Ryan, Mabel G. Ryan
of Grass Range
(Address) (Town)

County of Fergus
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: domestic stock water and irrigation

2. Date or approximate date of earliest beneficial use: November 1, 1947 — used continuously—daily

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 85 gallons per minute

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

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

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

7. The depth of water table:

8. 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:

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

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

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

<table>
<thead>
<tr>
<th>1.</th>
<th>Kabd, C., Ryan</th>
<th>Grass Range</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Appropriator</td>
<td>(Name of Appropriator)</td>
<td>(Address)</td>
</tr>
<tr>
<td>County of Fergus</td>
<td>(Address)</td>
<td>State of Montana</td>
</tr>
<tr>
<td>have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:</td>
<td>(Town)</td>
<td></td>
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</tbody>
</table>

### Diagram

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<p>| | | |</p>
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<td>X</td>
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<td>X</td>
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</tbody>
</table>
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### Table

<table>
<thead>
<tr>
<th>2.</th>
<th>The beneficial use on which the claim is based</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Domestic, stock water and irrigation</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>3.</th>
<th>Date or approximate date of earliest beneficial use; and how continuous the use has been</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1883</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>4.</th>
<th>The amount of groundwater claimed (in miner's inches or gallons per minute)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>55 gallons per minute</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5.</th>
<th>If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Sec. 21, T.15 R.23, Township 15 North, Range 23 East</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>6.</th>
<th>The means of withdrawing such water from the ground and the location of each well or other means of withdrawal</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>natural spring existing — flooding</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>7.</th>
<th>The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1883</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>8.</th>
<th>The depth of water table</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>9.</th>
<th>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</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Box &amp; Curb — lateral ditches</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>10.</th>
<th>The estimated amount of groundwater withdrawn each year all water put to beneficial use</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(flows 55 gallons per minute)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11.</th>
<th>The log of formations encountered in the drilling of each well if available</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>12.</th>
<th>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</th>
</tr>
</thead>
</table>

Signature of Owner:  
Date: Nov. 22, 1962  

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

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

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

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

1. Name of Approporator: Nabel G. Ryan
   (Name of Appropriator)
   (Address)
   (Town)
   County of: Fergus
   State of: Montana

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

   2. The beneficial use on which the claim is based:
      domestic stock water and irrigation

   3. Date or approximate date of earliest beneficial use: December, 1952—used continuously—daily

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 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:
      used in Section 22, Township 15 North, Range 23 East

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

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

   8. The depth of water table: 733 feet 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:
      4 1/2" O.D. pipe

   10. The estimated amount of groundwater withdrawn each year:
      all water put to beneficial use (flows 50 gallons per minute)

   11. The log of formations encountered in the drilling of each well if available:
      well drilled by Flank Oil Co. and Munson & Wellman, Grass Range, Montana

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

   Signature of Owner: ____________________________
   Date: ________________________________

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

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

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

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

1. Nabel C. Ryan .................................... of Grass Range
   County of Fergus .................................. State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based
   domestic - stock water and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1963

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

5. If used for irrigation, give the acres and description of the lands to which water has been applied and name of the owner thereof
   used SW/SW, Section 22, Township 15 North, Range 23 East

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1963

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
   Box & curb — lateral ditches

10. The estimated amount of groundwater withdrawn each year
    all water put to beneficial use
    (flows 55 gallons per minute)

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: Nabel C. Ryan
Date: March 26, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the 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)

Declaration of ground water rights by Michael C. Ryan, citizen of Fergus County, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962 as follows:

1. Michael C. Ryan, of Windy Gap Range, State of Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1883

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
   - Section 30, Township 15 North, Range 23 East, Fergus County, Montana

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1883

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:
   - Box & curb — lateral ditches

10. The estimated amount of groundwater withdrawn each year: All water put to beneficial use (flows 60 gallons per minute)

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 in any county record:

 Signature of Owner Michael C. Ryan

Date March 26, 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 Michigan
County of Persis

Filed MAR 24 1962
at 3:00 o'clock P.M.
Mary A. Lathun
County Clerk and Recorder

9053
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Kabel C. Ryan
   (Name of Appropnator) of Grass Range
   (Address) Town
   County of Fergus
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based
   domestic stock water and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   January 22, 1949 — used continuously—daily

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

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner
   thereof.
   used NW l/4, Section 32, Township 15 North, Range 23 East

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   commenced prior to and completed January 22, 1949

8. The depth of water table
   416 feet 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 withdrawal of groundwater
   3¼ O.D. casing

10. The estimated amount of groundwater withdrawn each year
   all water put to beneficial use (flows 50 gallons per minute)

11. The log of formations encountered in the drilling of each well if available
   well drilled by Livingston & Boles, of Winnett, Montana

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.

To the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines; Quadruplicate for the Appropnator.
# Water Well Log

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

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>[owner information]</td>
</tr>
<tr>
<td>Address</td>
<td>[address information]</td>
</tr>
<tr>
<td>Driller</td>
<td>[driller information]</td>
</tr>
<tr>
<td>Address</td>
<td>[driller's address information]</td>
</tr>
<tr>
<td>Date Started</td>
<td>[date]</td>
</tr>
<tr>
<td>Date Completed</td>
<td>[date]</td>
</tr>
<tr>
<td>Location</td>
<td>[section, township, range]</td>
</tr>
<tr>
<td>Type of well</td>
<td>[type]</td>
</tr>
<tr>
<td>Equipment used</td>
<td>[drill type]</td>
</tr>
<tr>
<td>Water use</td>
<td>[domestic, municipal, stock, irrigation, industrial, drainage, other]</td>
</tr>
<tr>
<td>Casing</td>
<td>[depth]</td>
</tr>
<tr>
<td>Casing</td>
<td>[depth]</td>
</tr>
<tr>
<td>Casing</td>
<td>[depth]</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>[depth]</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>[type]</td>
</tr>
<tr>
<td>Static Water level, for non-flooding well</td>
<td>[feet]</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>[lb. sq. in.]</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>[feet]</td>
</tr>
<tr>
<td>How tested</td>
<td>[test method]</td>
</tr>
<tr>
<td>Length of test</td>
<td>[length]</td>
</tr>
<tr>
<td>Remarks</td>
<td>[gravel packing, cementing, packers, type of shut-off, depth of shut-off]</td>
</tr>
</tbody>
</table>

*Remarks (over)*
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>40</td>
</tr>
<tr>
<td>40</td>
<td>60</td>
</tr>
<tr>
<td>60</td>
<td>80</td>
</tr>
<tr>
<td>80</td>
<td>100</td>
</tr>
<tr>
<td>100</td>
<td>120</td>
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<td>120</td>
<td>140</td>
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<tr>
<td>140</td>
<td>160</td>
</tr>
<tr>
<td>160</td>
<td>180</td>
</tr>
<tr>
<td>180</td>
<td>200</td>
</tr>
</tbody>
</table>

State of Nebraska
County of Platte

Doris L. Ware

[Signature]

Filed: May 12, 1959

DAVID PERKINS, CLERK
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>John E. Jelinek</td>
<td>Grass Range, Montana</td>
<td></td>
<td></td>
<td>4-14-68</td>
<td>4-27-68</td>
</tr>
</tbody>
</table>

Location: Sec. 16 T. 15 N. R. 26 E.9., Fairview County, Montana.

Type of well: **Drilled**

Equipment used: **Rotary**

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

Casing: 0 ft. to 10 ft. Type: **10" x 18"** Size: **1/4 00 - 7 1/2"**

Casing: 10 ft. to 25 ft. Type: Size:

Casing: 25 ft. to Size:

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

Type of screen or perforations: **Hole**

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

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

Pumping water level: feet at gal. per min.

How tested: **Unknown**

Length of test: feet

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

(over)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961, as amended)

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works
are located.
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

For Administrator's Use

Owner: ROBERT D. FLEHARTY and EVA M. FLEHARTY
Address: Grass Range
Contractor (if any)...
Address of Contractor...
Date Started 1968. Date Completed 1968

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

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

3. Depth of water table...comes to surface at spring...

4. Use of the water...household, livestock water, irrigation of garden and hay meadow...

5. Amount of groundwater claimed (in miner's inches or gallons per minute)...180 gallons per minute during peak irrigation...

6. If used for irrigation, give number of acres and description of land...400 acres of NE 1/4 and SW 1/4 of Section 33...

7. Estimate amount of water used each year...Entire flow is used for purposes shown in 4 above...

8. Months of year spring flows...flows full year...

INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.
Elevation of spring, if known or estimated...

NOTICE: This document claims an appropriation of waters from the year 1968.

Signature of Owner...
Date 04/10/1968.
Form No. 18
5-60

T. ___________ R. ___________
County ___________

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Date Started ___________ Date Completed ___________

Location: Sec. __ T. __ R. __ sec. __

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>( dug, driven, bored, or drilled)</td>
<td>( churn, drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

Casing: ______ ft. to ______ ft. Type ______ Size ______

Casing: ______ ft. to ______ ft. Type ______ Size ______

Casing: ______ ft. to ______ ft. Type ______ Size ______

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

Type of screen or perforations ______

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

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

Pumping water level ______ feet at ______ gal. per min.

How tested: ______

Length of test ______

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>111.0</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>217.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>313.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>419.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>515.0</td>
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<td></td>
</tr>
<tr>
<td>611.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>707.0</td>
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<td></td>
</tr>
<tr>
<td>803.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>900.0</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1097.0</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Handwritten Notes:**
- [Handwritten notes regarding the well log.]

**Signatures:**
- [Signatures of the relevant authorities or parties involved.]
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): ____________________________
   (State): _________________________________

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

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

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

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

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

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

8. The depth of water table: ____________________________

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

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

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

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

Signature of Owner: ____________________________
Date: ____________________________

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
State of Montana, } ss.
County of Fergus.

Filed: 10:30 A.M. 10-10-1863

Ulysses Roberts
County Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

County of Fergus
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 watering and household use

3. Date or approximate date of earliest beneficial use: and how continuous the use has been.
   Fall of 1949 - continuously used ever since

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

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

   Artesian flowing wells

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   See question No. 3

8. The depth of water table: approximately 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.
   3 1/2" casing to the water table with artesian flow

10. The estimated amount of groundwater withdrawn each year: Continuous artesian flow

11. The log of formations encountered in the drilling of each well if available.
    The legal information required by the State is on file in Helena

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

Date: August 21, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
COPY

State of Montana,
County of Fergus

A.D. 868
Filed
at 10:20 A.M.

Mary Heathman
County Clerk and Recorder

200°
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. BLAINE L. WOODARD  
   Grass Range, Montana  
   County of Fergus  
   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 watering and household use.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
      Approximately 60 years ago and in continuous use since that date.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute).
      40 Gallons a 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.
      See question No. 2.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
      See question No. 3.

   8. The depth of water table.
      200 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.
      4" casing to the water table with artesian flow.

   10. The estimated amount of groundwater withdrawn each year.
       Continuous artesian flow.

   11. The log of formations encountered in the drilling of each well if available.
       The legal information required by the State is on file in Helena.

   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:  
   Date: August 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 Appropiitator.
### WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Address</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Driller</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Address</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 24, 1960</td>
</tr>
<tr>
<td>Date Completed</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 1, T. 1, R. 4, Butte, Montana</td>
</tr>
<tr>
<td>Type of Well</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Dug, driven, bored, or drilled</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Casing: C to ft. Type</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Casing: ft. to ft. Type</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Casing: ft. to ft. Type</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Perforated or Screened: Ft. to Ft.</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
<td>12 feet</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>[Redacted] lb./sq. in. on: [Redacted]</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>24 feet at 16 gal. per min</td>
</tr>
<tr>
<td>Hex tested</td>
<td>[Redacted]</td>
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<tr>
<td>Length of test</td>
<td>2 hrs. leading 1 hr. pumping</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td>[Redacted]</td>
</tr>
</tbody>
</table>

Remarks: [Redacted]
### Log of Well

<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From To</td>
<td></td>
</tr>
<tr>
<td>0 11</td>
<td>Dakota sand.</td>
</tr>
<tr>
<td>12 20</td>
<td>Green silt.</td>
</tr>
<tr>
<td>21 24</td>
<td>Ash sand.</td>
</tr>
<tr>
<td>25 26</td>
<td>Ash sand.</td>
</tr>
<tr>
<td>26 29</td>
<td>Sand - 16” Younger.</td>
</tr>
<tr>
<td>28 41</td>
<td>Shale. Rattlesnake eyes.</td>
</tr>
<tr>
<td>41 53</td>
<td>Rattlesnake. Rattlesnake eyes.</td>
</tr>
<tr>
<td>52 61</td>
<td>Shale.</td>
</tr>
<tr>
<td>64 76</td>
<td>Sandy Shale.</td>
</tr>
<tr>
<td>77 81</td>
<td>Sandy Shale + Thin Sand Stringer</td>
</tr>
<tr>
<td>81 83</td>
<td>Hay Sand.</td>
</tr>
<tr>
<td>83 88</td>
<td>Sand - Frequent Porosity - Wet.</td>
</tr>
<tr>
<td>88 90</td>
<td>Sand + Shale Stringer T.O.</td>
</tr>
<tr>
<td>Field</td>
<td>Details</td>
</tr>
<tr>
<td>-----------------------</td>
<td>--------------------------</td>
</tr>
<tr>
<td>Owner</td>
<td>John D. Swanson</td>
</tr>
<tr>
<td>Address</td>
<td>123 Main St.</td>
</tr>
<tr>
<td>Driller</td>
<td>James W. Johnson</td>
</tr>
<tr>
<td>Address</td>
<td>456 Elm St.</td>
</tr>
<tr>
<td>Date Started</td>
<td>2/1/1971</td>
</tr>
<tr>
<td>Date Completed</td>
<td>12/31/1971</td>
</tr>
<tr>
<td>Location</td>
<td>T 11 R 12 Sec. 14</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Rotary</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Casing</td>
<td>6 ft. to 10 ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Size</td>
<td>3 in.</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>6 ft. to 10 ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Size</td>
<td>3 in.</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>50 feet.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>10 lb./sq. in.</td>
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<tr>
<td>Pumping water level</td>
<td>50 feet at 60 gal. per min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Gravity</td>
</tr>
<tr>
<td>Length of test</td>
<td>Adequate</td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>0 - 3</td>
<td>Surface gravel</td>
</tr>
<tr>
<td>3 - 12</td>
<td>Clay</td>
</tr>
<tr>
<td>12 - 15</td>
<td>Limestone gravel</td>
</tr>
<tr>
<td>15 - 41</td>
<td>General</td>
</tr>
<tr>
<td>41 - 43</td>
<td>Limestone gravel</td>
</tr>
<tr>
<td>43 - 44</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>44 - 46</td>
<td>Sand</td>
</tr>
<tr>
<td>46 - 52</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>52 - 57</td>
<td>Sandy gravel</td>
</tr>
<tr>
<td>57 - 65</td>
<td>Clay</td>
</tr>
<tr>
<td>65 - 75</td>
<td>Sand and gravel</td>
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<tr>
<td>75 - 85</td>
<td>Sand</td>
</tr>
<tr>
<td>85 - 101</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>101 - 121</td>
<td>Clay and sand</td>
</tr>
<tr>
<td>121 - 128</td>
<td>Wood</td>
</tr>
<tr>
<td>128 - 135</td>
<td>Wood</td>
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<td>135 - 140</td>
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<td>140 - 144</td>
<td>Wood</td>
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<tr>
<td>144 - 164</td>
<td>Sand and gravel</td>
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<tr>
<td>164 - 165</td>
<td>Sand and gravel</td>
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<tr>
<td>165 - 167</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>167 - 168</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>168 - 173</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>173 - 178</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>178 - 183</td>
<td>Sand and gravel</td>
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<tr>
<td>183 - 188</td>
<td>Sand and gravel</td>
</tr>
<tr>
<td>188 - 194</td>
<td>Sand and gravel</td>
</tr>
</tbody>
</table>
Montana Bureau of Mines and Geology
Butte, Montana

Water Well Log

Owner: L. W. Westberg
Address: Grass Range, Montana
Driller: Wellman & Munson Drilling Co.
Address: Grass Range, Montana
Date Started: September 28, 1961
Date Completed: October 3, 1961
Location: Section T. R. 4, sec.
Lot (18) Block (15) Townsite of Grass Range

Type of well: Drilled
Equipment used: Rotary

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

Casing: 0 ft. to 63 ft. Type: Steel 11 lb. Size: 4 1/2 dia.
Casing: ______ ft. to ______ ft. Type: ______ Size: ______
Casing: ______ ft. to ______ ft. Type: ______ Size: ______

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

Type of screen or perforations: ______

Static Water level, for non-flowing well: Seventeen feet.
Shut-in pressure, for flowing well: ______ lb./sq. in. on: ______

Pumping water level: 52 feet at 12 gal. per min.

How tested: Bailer & Pump

Length of test: Adequate

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

Cemented
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 – 13</td>
<td>Surface soil</td>
</tr>
<tr>
<td>13 – 21</td>
<td>Gravel</td>
</tr>
<tr>
<td>21 – 60</td>
<td>Shale black</td>
</tr>
<tr>
<td>60 – 63</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>63 – 66</td>
<td>Hard sandy shale</td>
</tr>
<tr>
<td>66 – 75</td>
<td>Shaley sand</td>
</tr>
<tr>
<td>75 – 80</td>
<td>Sand good porosity (water)</td>
</tr>
<tr>
<td>80 – 83</td>
<td>Shaley sand T. D.</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
</tr>
<tr>
<td>1</td>
<td></td>
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<tr>
<td>39</td>
<td></td>
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<tr>
<td>40</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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

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

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

Owner: Arl. Lonnell
Address: Gross Range, mile 49383
Date well started: January 1, 1962
Date well completed: January 1, 1962
Type of well: Drilled (Dug, driven, bored or drilled)
Equipment used: Rotary drill (Churn drill, rotary or other)
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

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

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

Estimated annual withdrawal: 125,100 gallons

Perforations:

<table>
<thead>
<tr>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static water level</td>
<td>ft.</td>
<td>ft.</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>at</td>
<td>gallons per minute, measured</td>
</tr>
<tr>
<td>Measured from ground level</td>
<td>Well developed by</td>
<td>for</td>
</tr>
<tr>
<td>Power</td>
<td>Pump</td>
<td>HP</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shutoff)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Driller's Signature: R. D. Livingston (Deceased)
Driller's Address: Formerly of Minnett, Montana

License No.: 3900

Show exact depth of bottom: 300'
Count of Fergus.

Filed April 26, 1972

District Court of Fergus County

RECEIVED AT THE COURT OF APPEAL
APRIL 26, 1972

COUNTY OF FERGUS

 Таким образом, с целью упорядочения и регулирования уровня воды, следует выделить на реке трех и одно-четыре рекомендации между тем, что в указанном выше месте и на порядок можно было бы выделить на реке одного и трех рекомендаций.
May 30, 1972

Mr. Earl H. Bassett
Grass Range
Montana 59032

Dear Mr. Bassett:

This is in reference to the enclosed "prepared" Notice of Appropriation, that you filed on November 10, 1972, at 2:00 PM in the Fergus County Courthouse at Lewistown, Montana.

The "prepared" Notice of Appropriation that you filed is very similar to a Notice of Appropriation used for filing on surface water. Montana does have a Groundwater Code (passed in 1961) which does provide for the appropriation and regulation of groundwater. The Groundwater Code provides for specified forms to be used for filing on groundwater and which should have been used in your case. It is unlikely that the form you prepared would be recognized under the Groundwater Code.

There was a period of time from January 1, 1962 to January 1, 1966 that was intended for appropriators to file on vested groundwater rights on a form known as the GW-4 form or Declaration of Vested Groundwater Rights. This is the period of time you should have filed your well which was drilled in 1951.

The GW-4 form, by law was no longer to be used after January 1, 1966. Therefore, if you decide to file your groundwater right properly you should file on a GW-2 form or Notice of Completion of Groundwater Appropriation By Means of Well. We would recommend that you complete all blanks as accurately and completely as possible and attach any available proof (such as an affidavit) that the date of first beneficial use did actually date back to 1951 as indicated on your form. It is to your advantage to file and attach additional proof, if available, in case there is a dispute over groundwater in your area.

Enclosed please find one set of the GW-2 form and a pamphlet entitled, Appropriation and Regulation of Ground Water. The first three and one-half pages of the pamphlet should be of most interest to you. Note the red underlined areas which relate specifically to your particular case.

When you have completed the form, it should be recorded and filed with the Fergus County Clerk & Recorder at Lewistown, Montana.

Note that the GW-2 form has five (5) pages or sheets to a set. You may discard or destroy the last page or green sheet, since it is usually kept by the licensed commercial well driller and most likely the well driller is unknown
or deceased. The GM-2 form is to be filled out by the well driller or other person doing the actual well construction, although the person who drilled the well is presumably not available, you will have to fill out the form the best you can.

The remaining four pages should be taken to the courthouse for filing. At the courthouse the first page (white) or original is kept for a permanent record; the second page (yellow) or duplicate is sent to this office by the Clerk & Recorder; the third page (blue) or triplicate is sent to the Montana Bureau of Mines and Geology in Butte by the Clerk & Recorder; and the fourth page (pink) is your personal copy for your records.

The purpose of this letter is to inform you of the proper filing procedures as prescribed by Montana's Groundwater Code and to protect your groundwater right.

If we can be of further service, please feel free to contact us at any time.

Sincerely,

Ronald J. Gusco
Groundwater Rights Coordinator
WATER RESOURCES DIVISION

Enclosures (3)
NOTICE IS HEREBY GIVEN that the undersigned, a citizen of the United States, and more than twenty-one years of age, has on this 10th day of November, 1971, claimed, located and appropriated all of the water flowing from a well located in the 34th S. 1/4 NE 1/4, Section 18, Township 10 North Range 26 East, M.R.P., Fergus County, Montana. The particulars concerning such appropriation of the water in said well are as follows, to wit:

1. Quantity of water claimed: 1 c.p.f.
2. Purposes for which water is claimed: for the purpose of watering stock
3. Place of intended use:
   TOWNSHIP 15 NORTH OF RANGE 26 EAST, M.R.P.
   PRECINCT 1, RIVERBND
4. Means of diversion: By taking the water directly from the well and putting it into a stock watering trough
5. Date of appropriation: November 10, 1971
6. Name of appropriator: Earl R. Haven

That the above-described well was drilled in 1951 and it has a total casing and an 80' foot deep.

STATE OF MONTANA
COUNTY OF FERGUS

ELDON R. HAVEN, having been duly sworn, deposes and says: that he is the above-named appropriator of certain water in Petroleum County and the one who has made the above Notice of Appropriation and that all statements contained in the Notice of Appropriation are true to his own knowledge.

Earl R. Haven

Subscribed and sworn to before me this 10th day of November, 1971.

Bradley F. Parish

County Clerk
### Notice of Completion of Groundwater Appropriation by Means of Well

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**STATE WATER CONSERVATION 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)

**Owner:** 

**Address:**

**Date of Notice of appropriation of groundwater:**

**Date well started:** 

**Date completed:**

**Type of well:**

**Equipment used:**

**Water use:**

Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

Indicate on the diagram the character and thickness of the different strata met 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>Depth (Feet)</th>
<th>Thickness (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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**

**Length of Test**

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

**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**

---

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.
<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>County</td>
<td>Montana</td>
</tr>
<tr>
<td>Montana Bureau of Mines and Geology</td>
<td>Butte, Montana</td>
</tr>
<tr>
<td>WATER WELL LOG</td>
<td></td>
</tr>
<tr>
<td>Owner</td>
<td>Driller</td>
</tr>
<tr>
<td>Address</td>
<td>Address</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location</td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td></td>
</tr>
<tr>
<td>Equipment used</td>
<td></td>
</tr>
<tr>
<td>Water use</td>
<td></td>
</tr>
<tr>
<td>Casing</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td></td>
</tr>
<tr>
<td>How tested</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
</tbody>
</table>
| Remarks (Gravel packing, cementing, packers, type of shut-off, depth of shut-off) | (over)
<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>19</td>
<td></td>
<td>Surface Gumbo</td>
</tr>
<tr>
<td>19</td>
<td>28</td>
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<td>Coarse Sand</td>
</tr>
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<td>28</td>
<td>78</td>
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<td>Pee travel</td>
</tr>
<tr>
<td>78</td>
<td>35</td>
<td></td>
<td>Boulder</td>
</tr>
<tr>
<td>35</td>
<td>57</td>
<td></td>
<td>Coarse Sand and shale</td>
</tr>
<tr>
<td>57</td>
<td>67</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>67</td>
<td>77</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>77</td>
<td>107</td>
<td></td>
<td>Shale and Bentonite</td>
</tr>
<tr>
<td>107</td>
<td>127</td>
<td></td>
<td>Shale and Lime Stringers</td>
</tr>
<tr>
<td>127</td>
<td>147</td>
<td></td>
<td>Block Shale</td>
</tr>
<tr>
<td>147</td>
<td>157</td>
<td></td>
<td>Block Shale and Bentonite</td>
</tr>
<tr>
<td>157</td>
<td>167</td>
<td></td>
<td>Bentonite</td>
</tr>
<tr>
<td>167</td>
<td>257</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>257</td>
<td>307</td>
<td></td>
<td>Shale and sand lenses</td>
</tr>
<tr>
<td>307</td>
<td>367</td>
<td></td>
<td>Shale and Lime Stringers</td>
</tr>
<tr>
<td>367</td>
<td>467</td>
<td></td>
<td>Bentonite</td>
</tr>
<tr>
<td>467</td>
<td>567</td>
<td></td>
<td>Lime Stringers</td>
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<tr>
<td>567</td>
<td>587</td>
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<td>Sand Stringers</td>
</tr>
<tr>
<td>587</td>
<td>597</td>
<td></td>
<td>Bentonite</td>
</tr>
<tr>
<td>597</td>
<td>607</td>
<td></td>
<td>Bentonite</td>
</tr>
<tr>
<td>607</td>
<td>687</td>
<td></td>
<td>Black Shale and sand</td>
</tr>
<tr>
<td>687</td>
<td>887</td>
<td></td>
<td>Good Sand, Good Permeability, water flowed</td>
</tr>
<tr>
<td>887</td>
<td>900</td>
<td></td>
<td>Silty sand and shale</td>
</tr>
<tr>
<td>900</td>
<td>910</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER 1964

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

Owner: George S. Delaney
Address: Grass Range, Mont...

Driller: Allman & Minson Drig. Co.
Address: Grass Range, Mont...

Date of Notice of Appropriation of Groundwater: Not Applicable

Date well started: 5/2/60, Date Completed: 6/12/60

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

Water Use: Domestic [x] Municipal [x] 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>Strata</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 3/4 16 6/8</td>
<td></td>
<td>0</td>
<td>42</td>
<td></td>
</tr>
<tr>
<td>5 5/6 11 4/8</td>
<td></td>
<td>0</td>
<td>420</td>
<td>Torch 370</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: Approx. 30 feet.

Shut-in Pressure for Flowing Well: Approx. 30 psi.

Pumping Water 1, vel: Approx. 100 gal per minute.

Discharge in gal per min. of flowing well: 65

How Tested: Pressure

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)

3 Cane Packers - 3 Cks. Cement

Driller's License Number: Allman & Minson Drig. Co. Inc.

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.

Origin to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Sections</th>
<th>Date of Appropriation of Groundwater: 1952</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Owner: Land &amp; Livestock Co., Inc.</td>
</tr>
<tr>
<td></td>
<td>Address: Box 1352, Billings, Montana</td>
</tr>
<tr>
<td></td>
<td>Contractor (if any): L. B. Fraser</td>
</tr>
<tr>
<td></td>
<td>Address of Contractor: Box 1352, Billings, Montana</td>
</tr>
<tr>
<td></td>
<td>Date Started: 1953</td>
</tr>
<tr>
<td></td>
<td>Date Completed: Continuous development &amp; upkeep</td>
</tr>
</tbody>
</table>

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. *Developed area:*

- Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use.

- continuous flow adequate for 300 head of livestock

These are springs in the creek bed of MacDonald Creek developed for livestock; also springs in pastures also developed for livestock.

Signature of Owner: L. B. Fraser

Date: 10/31/63

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

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

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

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

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

1. Joe Delaney  
   (Name of Appropriator)  
   of  
   Grass Range, Montana  
   (Address)  
   (Town)  
   County of  
   Fergus  
   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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:  
      Oct. 5, 1961

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:  
      Oct. 4, 1961  
      Oct. 5, 1961

   8. The depth of water table:  
      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:  
      Drilled, 6', 40 feet.

   10. The estimated amount of groundwater withdrawn each year:  
      365,000

   11. The log of formations encountered in the drilling of each well if available:  
      Topsoil; Sandy clay  
      30'; Blacksand; 37'; Gravel; 40'; Blue shale.

   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:  
      Joe Delaney
      Date:  
      Dec. 6, 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.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Raymond & Richard Dalong
Address: Hardie, Mont.
Driller: J. F. Drilling
Address: Hardie, Mont.
Date of Notice of Appropriation of Groundwater
Date well started: 10/31/53
Date completed: 11/15/63

Type of Well: Drilled
Equipment Used: 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.

<table>
<thead>
<tr>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>6 1/2&quot; 1/2&quot; Iron blank</td>
<td>0</td>
<td>1026</td>
<td>9 1/2</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 0 feet.
Shut-in Pressure for flowing well: 0 feet.

Discharge in gal. per min. of flowing well: 50. 0 gpm.

How Tested: Length of Test 0 feet.
Remarks: (Gravel packing, cementing, packer, type of shut-off, 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) Length: 0 feet.

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

Notice of Completion of Groundwater
Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

Owner: Teigen Ranch
Address: Teigen, Montana

Driller: George O. Singley
Address: Lewistown, Montana

Date of Notice of appropriation of groundwater: None

Date well started: June 6, 1966
Date completed: June 25, 1966

File No. 27021

County: Lewis

Number of copies to be filed by driller: Three

Duplicate

Log

Top of Ground

Elev. above sea level

1 Townsite

23 Clay

110 Blue shale hard slate streak, etc. (Chapter 237, Montana Session Laws, 1961)

125 Bentonite

125 Shale slaty hard

125 Hard sand rock

125 Soft shale

180 Bentonite

180 Shale streaked with Bentonite

200 Sandstone and Bentonite

300 Hard sandy shale

300 Soft black shale

386 White rock

408 Hard black shale

418 Soft black shale

407 Hard white rock, sandy

510 Hard grey shale

515 Rock strippers

520 Salt and Pepper Sand

525 Red-green-black speckled shale

530 Hard rock grey

550 Grey rock sandy

600 Shale, Red-Black-purple assoc. Whtes, white hard sand

610 White hard sand

610 Top of second Cat Creek Sand Water

610 Red rock

708 Hard sandstone water

720 Hard white rock

740 Sandstone

749 Red shale hard

750 Grey shale hard

750 Grey sand water

765 Red sandy shale

770 Red-Black-purple speckled shale

775 Sandrock hard

805 Sandrock

905 Sandstone water

Total Depth

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. Each copy to be retained by driller.

Driller's License Number

Driller's Signature

10 sacks

Drilled Equipment Used: Rotary

June 25, 1966

Discharge in gal. per min. of flowing well

12

1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff). Compressed with 10 sacks

Static Water Level for non-flowing well

None

Static Pressure for Flowing Well

50

Pumping Water Level: None

At... None... gal. per minute

Number of pipes: 2

Length of Test: 1 hr.

Notice of Completion of Groundwater

Depth at which water is encountered: 7-7/8 above Grade

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

(Continue on reverse side)