Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater:

Owner:
Address:

Contractor (if any):
Address of Contractor:

Date Started:
Date Completed:

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

Natural flow - 0 to 20 ft. deep

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:

6 months of the year

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

Signature of Owner:
Date:

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSELHELL COUNTY.

FILED THIS 30 DAY OF
A.D. 1995
AT 11:20 O'CLOCK A.M.
B. H. MATZKE
COUNTY RECORDER

FRANCES L. DAWSON
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Northern Pacific Railway Company

(Name of Appropriator)

County of Ramsey

(State of Minnesota)

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: Watering livestock.

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

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

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

8. The depth of water table: 110 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: 175 feet deep.

10. The estimated amount of groundwater withdrawn each year: 

11. The log of formations encountered in the drilling of each well if available: 0-15' sandy silt; 40' sandstone; 60' shale; 60' sandstone; 146' pumping level; 175' sandstone.

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

Northern Pacific Railway Co.

Signature of Owner: ____________________________

Dist. Supvr., Graz. & Cult.

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,
MUSSELHELL COUNTY

FILED THIS 14th DAY OF
November A. D. 19__
AT ___ o'clock __ P.M.

B. H. MATZKE
COUNTY RECORDER

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

1. Ralph Harvey
   (Name of Approprior) of Missoula, Montana
   (Address) (Town)
   County of Missoula, 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

   3. Date or approximate date of earliest beneficial use; and how, continuous the use has been: January 1, 1962.

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

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

   6. Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres. 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 ground water: 1962.

   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.

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

   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 count record.

Signature of Owner: Ralph Harvey
STATE OF MONTANA,
MUSSELSHELL COUNTY.

FILED THIS ___ DAY OF ___
_______ A. D. ___
AT ___ O'CLOCK P.M.

B. H. MATZKE
CORONET RECORDER

FRANCIS D. MAWSON
DEPUTY
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 Appropriate: (Name of Appropriate)
   Address: (Address)
   Town: (Town)
   County of: (County)
   State of: (State)
   Year (2015 is default): (Year)

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

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

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

   4. The amount of groundwater claimed (in cubic 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 names 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 ground water:

   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 count record:

   Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

   Signature of Owner:
   Date: Dec. 30, 1962

   Ralph

6-13 soil
35-buff shale
34 blue shale
33 sandstone
32 black shale
29 black shale
27 coal
24 grey shale
23 white lime
grey shale
19 hard sand
16 grey shale
501 third
STATE OF MONTANA,
MUSSELSHELL COUNTY,

FILED THIS 3D DAY OF

MID. A. D. 1863

AT 11 OCLOCK A.M.

H. H. MATZKE

COUNTY RECORDER

PHILIP F. DAWSON
DEPUTY

163529
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Unknown to 1960
Owner: Bar H Bar Cattle Co., Inc.
Address: Musselshell, Mont.
Contractor (if any): George "Bud" Hanson
Address of Contractor: Roundup, Mont.
Date Started: 1961 Date Completed: 1961
Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. Spring, bared and piped to trough, depth to
water 3 ft.

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent
estimate approximate lengths of periods of use
Spring runs 1/4" pipe 1/2
full year round
Used for stock water

Signature of Owner: Bar H Bar Cattle Co., Inc.
By: Charles J. White
Date: 12/13/63

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
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)

Bar U Bar Cattle Co., Inc., at Musselshell
County of Musselshell, State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. (Name of Appropriator) (Address) (Town)

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,  
MUSSELSHELL COUNTY.  

FILED THIS _____ DAY OF 
_____ A.D. 1963  
AT __:07  O'CLOCK M.  

B. H. MATZKE  
COUNTY RECORDER  

__/\__  
2, 63
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Bar U Bar Cattle Co., Inc., of Musselshell
   (Name of Appropriator) (Address) (Town)
   County of Musselshell 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 ... 1954... Continuous to date

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10,901. 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 withdrawal: 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 1950

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 by: __________________________

Date 12/3/1963

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)

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

2. The beneficial use on which the claim is based

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 land to which water has been applied and name of the owner thereof

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

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

8. The depth of water table

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

13. Signature of Owner: Charles Cattle Co.
   Date: 02/13/63

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

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

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

Charles A. White, having first been duly sworn, deposes and says, that he, of lawful age and
the appropriator
and claimant of the order and water right mentioned in the foregoing declaration
deeded-groundwater rights and the person whose name, subscribed thereto.
as the appropriator and claimant, that he know the contents of said
foregoing notice and that the matters and things therein stated are true.

B. H. MATZER
Clerk and Recorder
Musselshell County, Montana

My Commission expires 19

Subscribed and sworn to before me, this day of,

B. H. MATZER
Notary Public for the State of Montana
Residing at

My Commission expires
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. Bar U Bar Cattle Co., of Musselshell
   (Name of Appropriator)
   (Address)
   (Town)
   County of Musselshell
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

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

5. If used for irrigation, give the acreage and description of the fields to which water has been applied and name of the owner thereof
   Irrigation pump jack
   Pressure engine motor (not used)

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
   Unknown prior to 1962

8. The depth of water table
   125 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   235 ft. deep
   235 ft. casing
   15 ft. tubing
   2 cylinder
   3 1/8 in. steel pump rod

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

Bar U Bar Cattle Co.
Signature of Owner

Date 12/13/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSKELLUNGE COUNTY.

FILED THIS 10TH DAY OF
A.D. 1928
AT 2: 08 O'CLOCK P.M.
B. H. MATZKE
COUNTY RECORDER

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

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

1. Bar U Bar Castle Co., Inc., of Missoula
   (Name of Appropriator) (Address)
   County of Missoula State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1957
   Continuous to date

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Windmill, Pumpjack, Gasoline motor

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1957

8. The depth of water table
   250 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
   500 ft. deep
   300 ft. casing
   20 ft. tubing
   2 ½” wood plunger pump rod

10. The estimated amount of groundwater withdrawn each year
    100,000 gal.

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

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

Signature of Owner: Charles C. White
Date: 12/13/63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA, (as)
MUSSELSHELL COUNTY.

FILED THIS 19 DAY OF

At 2:00 O'CLOCK P.M.

B. H. MATZKA
COUNTY RECORDER

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

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: unknown prior to 1960
Owner: B. K. Bar Cattle Co., Address: Missoula, Mont.
Contractor (if any): George Bud. Hansen
Address of Contractor: Roundup, Mont.
Date Started: 1952; Date Completed: 1952

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable.

NE ¼ Sec 23 T 8 R 28
Indicate point of appropriation and place of use, if possible.

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.

Signature of Owner: B. K. Bar Cattle Co., Inc.
Date: 12/13/63

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 School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSEL SHELL COUNTY. 

FILED THIS 17th DAY OF
DEC. 1963.

20 2 o'clock M.

B. H. MATTKE
COUNTY RECORDER

DEPUTY
**Form No. 18**

8-60

**County** Montana

**Water Well Log**

**Owner** Fred Rubin  
**Address** Missoula

**Driller** Ed Ferguson  
**Address** Province

**Date Started** June 23, 1954  
**Date Completed** June 24, 1954

**Location:** Sec. 19 T. 6 R. 59 1/2 sec.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used</td>
<td>Casing tool</td>
</tr>
</tbody>
</table>

**Water use:**  
- Domestic
- Municipal
- Stock
- Irrigation

**Casing:**  
- 0 ft. to 9 ft. Type A well Size 6 in.
- 9 ft. to 9 ft. Type Size
- 9 ft. to 9 ft. Type Size
- Perforated or screened: 9 ft. 9 ft. to 9 ft.
- Type of screen or perforations: Screened

**Static water level, for non-flowing well:** 19 feet.

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

**Pumping water level:** 96 feet at 90 gal. per min.

**How tested:** With hand centrifugal pump

**Length of test:** 2 hours

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

Cement

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5</td>
<td>Top</td>
<td>Soil</td>
</tr>
<tr>
<td>5</td>
<td>11</td>
<td>Sand</td>
<td>and gravel</td>
</tr>
<tr>
<td>11</td>
<td>19</td>
<td>Gravel</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>29</td>
<td>Water</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>39</td>
<td>Gravel and soft sandstone</td>
<td></td>
</tr>
<tr>
<td>39</td>
<td></td>
<td>Blue</td>
<td>shale</td>
</tr>
</tbody>
</table>

Form No. 18

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>Fred Paden</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>J. M. Thomas</td>
<td></td>
</tr>
</tbody>
</table>

Date Started: Apr. 7, 1925
Date Completed: June 9

Location: Sec. 39 T. 9 R., J. S. 1 sec.

Type of well: Drilled

Equipment used: (pump, drill, rotary, other)

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

Casing: 0 ft. to 41 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: _______ in.

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

(over)
<table>
<thead>
<tr>
<th>Depth</th>
<th>Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>7</td>
<td>Inf.</td>
</tr>
<tr>
<td>7</td>
<td>19</td>
<td>Brown clay</td>
</tr>
<tr>
<td>19</td>
<td>21</td>
<td>Salt, shale and sand</td>
</tr>
<tr>
<td>31</td>
<td>34</td>
<td>Coal and sand and rock</td>
</tr>
<tr>
<td>34</td>
<td>39</td>
<td>Coal</td>
</tr>
<tr>
<td>39</td>
<td>41</td>
<td>Grn. shale</td>
</tr>
</tbody>
</table>
Form No. 18
8-60

STATE ENGINEER

Butte, Montana

MONTANA BUREAU OF MINES AND GEOLOGY

T. J. R. 19

County

DECREE

2-1961

Water Well Log

Owner

Pusher

Address

Musselric

Driller

Date Started

June 9, 1961

Date Completed

June 10, 1961

Location:

Sec. 20, T. 8, R. 19, B

Type of well:

Equipment used:

Churn, drill, rotary, other

Water use:

Domestic

Municipal

Stock

Irrigation

Industrial

Drainage

Other

Casing:

0 ft. to 20 ft.

Type

Galvanized

Size

C.

Casing:

ft. to ft.

Type

Size

Casing:

ft. to ft.

Type

Size

Perforated or screened:

Ft. 7 to ft. 15.

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:

Calibrated pump and gas engine

Length of test:

Hours

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>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top soil</td>
</tr>
<tr>
<td>4</td>
<td>Sand course gravel</td>
</tr>
<tr>
<td>7</td>
<td>Water</td>
</tr>
<tr>
<td>20</td>
<td>Sand and fine gravel</td>
</tr>
<tr>
<td>30</td>
<td>Blue shale</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)

(Signed and Sealed)

Date: Nov 1 1963

Attestation:

State Engineer

1. Name of Appropriate: (Name of Appropriator)
Address: (Address)
Town: (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:

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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


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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA
MUSELLE B COUNTY
FILED THIS_ 3
DAY OF
October A.D. 1965
AT 1:45 O'CLOCK P.M.
COUNTY RECORDER
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(State of Montana)

Administrative Code 1

Office of State Engineer

Declaration of Vested Groundwater Rights

(State of Montana)

No. T. 2 R. 29

County of Musselshell

State of Montana

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

1. Name of Appropriator: Fred Ruben

Address: Musselshell, Montana

Town: Musselshell

County of Musselshell

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: Fred Ruben

Date: 12-31-63

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSEL SHELL COUNTY,

FILED THIS 31st DAY OF
October A.D. 19__
AT __:__ O'CLOCK M.

B. H. MATZKE
COUNTY RECORDER

[Signature]
DEPUTY
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Russell Clinton**, of **Musselshell**, (Name of Appropriator)
   - **Musselshell**, (Address)
   - **Musselshell**, (Town)
   - **Musselshell**, (County of)
   - **Montana**, (State of)

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

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

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

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:**

**Russell Clinton**

**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,
MUSSEL SHELL COUNTY

FILED THIS 30 DAY OF
Dee A.D. 19-
AT 1:36 o'clock P.M.

B. H. MATZKE
COUNTY RECORDER

M. A. DAWSON, DEPUTY
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: Henry Bedford
Address: Box 202
Roundup, Mont.
Date well started: Sept. 26, 1972
Completed: Sept. 30, 1972

Type of well: Drilled
Equipment used: Rotary
Water Use: Domestic □ Municipal □ Stock □ Irrigation □
Industrial □ Drainage □ Other □ Garden/Lawn □

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Shape of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>64</td>
<td>5&quot; plastic</td>
<td>0</td>
<td>250</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Kind of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>slotted</td>
<td>200</td>
<td>240</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Top of Ground (Rev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 5 ft. sandstone</td>
</tr>
<tr>
<td>5 - 20 ft. blue-gray shale</td>
</tr>
<tr>
<td>20 - 35 ft. shale</td>
</tr>
<tr>
<td>35 - 50 ft. blue shale</td>
</tr>
<tr>
<td>50 - 55 ft. bentonite</td>
</tr>
<tr>
<td>55 - 60 ft. blue-gray shale</td>
</tr>
<tr>
<td>60 - 120 ft. bentonite</td>
</tr>
<tr>
<td>120 - 150 ft. blue shale</td>
</tr>
<tr>
<td>150 - 175 ft. bentonite</td>
</tr>
<tr>
<td>175 - 200 ft. gray-blue shale b. bent.</td>
</tr>
<tr>
<td>200 - 230 ft. bentonite</td>
</tr>
<tr>
<td>230 - 240 ft. gray shale</td>
</tr>
<tr>
<td>240 - 250 ft. blue shale b. bentonite</td>
</tr>
</tbody>
</table>

Static water level: 100 ft.*
Pumping water level: 210 ft.*

at 2 gallons per minute measured minutes after pumping began.

*Measured from ground level.
Well developed by: Bailing
for 3 hours.
Power: 1/2 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: 
Driller's Address: Klein Star Site

Roundup, Mont. 59072  LICENSE NO. 207

Show exact depth of bottom

5/17/77
STATE OF MONTANA,
MUSSELHELL COUNTY,

FILED THE 29TH DAY OF DECEMBER A.D. 1972
AT 10:15 O'CLOCK A.M.

CLAUDE F. FLETCHER
COUNTY RECORDER

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

1. **Hugh Hillman**, (Name of Appropnator) of Missoula, (Address) (Town)
   
   County of **Missoula**, 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**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1954**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **6 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: **Cylinder-pump**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1954**

8. The depth of water table: **60 feet**

9. So far as may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: **Drilled 4-inch casing, 90 feet deep**

10. The estimated amount of groundwater withdrawn each year: **60,000 gal**

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

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

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropnator.
STATE OF MONTANA,
MUSSELHELL COUNTY,

FILED THIS 30 DAY OF,
A. D. 1963

AT 2:42 OCLOCK P.

B. H. MATZKE
COUNTY RECORDER

F. H. DAVIDSON
DEPUTY
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Unknown, Prior to 1960

Owner: Mrs. Ruth Phillips 1960

Contractor (if any): George "Bud" Hansen

Address of Contractor: Roundup, Mont.

Date Started: 1960, Date Completed: 1962

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable: Spring, cleaned by "cat", 6' deep, 10' wide, 50' long, 12' x 12' wooden box around flow

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

N.E. 1/4 Sec. 34 T.57 S. R.29

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:

Storage pond 10' x 25', 3' deep, used 8 mo. each year.

Signature of Owner: Mrs. Ruth Phillips (Lia) by: Charles C. Wilson

This form to be prepared by contractor (if any), otherwise by the owner. 12/23/63

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 School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSELSHELL COUNTY,

FILED THIS 19 DAY OF

A. D. 1968

AT 2:00 O'CLOCK P.

B. H. MATZKE
COUNTY RECORDER

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

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

Owner: J. B. L. Ranch
Address: Plains, Mont.
Driller: Harry McClure
Address: Plains, Mont.

Date of Notice of appropriation of groundwater: May 21, 1968
Date completed: May 23, 1968

Type of well: Drilled
Equipment used: Churn drill

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind and Size of Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>1&quot; 5/16&quot;</td>
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<td>0</td>
<td>64</td>
<td>1/4&quot; Slots 14</td>
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</tr>
<tr>
<td></td>
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<td></td>
<td></td>
<td>52</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 20 feet
Shut-in Pressure for flowing well: 35 feet
Pumping Water Level: 50 feet at 50 gal. per minute.

Discharge in gal. per min. of flowing well

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

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

(Continue on reverse side)

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

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

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

Driller's License Number
Harry McClure
Driller's Signature

44,987
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>&quot;</td>
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<td>173314</td>
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<td>Bell, Claude</td>
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<td>Bell, Victor</td>
<td>GW2</td>
<td>174624</td>
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<td>7</td>
<td>McConnell, Tom</td>
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<td>Railway Company</td>
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<td>30</td>
<td>Paulson's Cow Co.</td>
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<td>Iron Ranch Co.</td>
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<td>Meredith, Jack F.</td>
<td>GW4</td>
<td>163207</td>
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<td>5</td>
<td>Fulton, James</td>
<td>GW3</td>
<td>168724</td>
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</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)

Harrison Maard

1. County of Musselshell, State of Montana.
2. The several uses on which the claim is based:
   - stock
3. Date of appropriation and date of beneficial use, and how continuous the use has been.
   - unavailable data
4. The amount of groundwater claimed (in miner's inches or gallons per minute).
   - unavailable data
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.
   - unavailable data
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - unavailable data
7. The date of commencement and completion of the construction of the well(s), wells, or other works for withdrawal of groundwater.
   - unavailable data
8. The depth of water table.
   - 150 ft., approximately
9. So far as it may be available, the depth of each well or the general specifications of any other work for the withdrawal of groundwater.
   - 30 ft. deep
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 count record.

Harrison Maard

Signature of Owner: Date: 12-31-49-63
STATE OF MONTANA
RUSSELSHELL COUNTY

FILED THIS 31 DAY OF

Alexander A.D. 62

AT 2:45 CLOCK P.M.

EXECUTED

COUNTY RECORDER

Margie J. Dawson

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner: James Hamilton
Address: Fairfield, Wash
Contractor (if any): Harry McConnell
Address of Contractor: Fairview, Mont
Date Started: July 17, 1964
Date Completed: July 27, 1964

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable.

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.

Used 2,000,000 gal for pastures for stock with water at 15 gpd for minimum

Signature of Owner: James Hamilton
Date: Oct. 15, 1964

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

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

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

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

This should have been filled on Form 2
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. James Fulton of Fairfield
   (Name of Appropriator) (Address)
   County of Washington State of Washington
   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: James Fulton
   Date: Oct 16, 1963

Three copies to be filled 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,
MUSSEL SHELL COUNTY.

Filed this 16th day of
Dec., A.D. 19--
at 3 p.m.

B. H. MATZKE
COUNTY RECORDER

[Signature]

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

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960-1-1

Owner: James Fulton
Address: Fossfield, MT

Contractor (if any)
Address of Contractor: 

Date Started: 1960-1-1
Date Completed: 1960-1-1

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

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

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.

Signature of Owner: James Fulton
Date: Oct. 16, 1963

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

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

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

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

COUNTY OF MUSSELHELL

I HEREBY CERTIFY THAT THE INSTRUMENT TO WHICH THIS TRUE COPY IS ANNEXED IS TRUE, COMPLETE AND CORRECT COPIES OF THE ORIGINAL WHICH WAS FILED IN

DATE OF ___________________________ AT ___________________________

COUNTY CLERK AND RECORDER

STATE OF MONTANA

MUSSELHELL COUNTY

FILED THIS _______________ DAY OF _______________ A.D. 19___ AT _______________ O'CLOCK ______

__________________________
COUNTY RECORDER

__________________________
DEPUTY
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Type of well:</th>
<th>Equipment used:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Churn</td>
</tr>
</tbody>
</table>

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

Industrial [ ] Drainage [ ] Other [ ]

Casing: 1 ft. to 2.18 ft. Type: Steel. Size: 4 in.

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

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

Perforated or Screened: Ft. 20.5 ft. to Ft. 3.5 ft. to

Type of screen or perforations: [ ]

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

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

Pumping water level: feet at 18 gal. per min.

How test: 1. Bailing

Length of test: 30 min.

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

Gravel packed from top to bottom.

(received)

STATE ENGINEER

County: [ ]

Date Started: March 2, 1961. Date Complete: March 12, 1961

Location: Sec. [ ] T. [ ] R. [ ] 1/4 sec. [ ]
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>110 - 124</td>
<td>Sandy Chalk</td>
</tr>
<tr>
<td>126 - 155</td>
<td>Blue Chalk</td>
</tr>
<tr>
<td>155 - 171</td>
<td>Hard Sandy Chalk</td>
</tr>
<tr>
<td>175 - 205</td>
<td>Sand 140</td>
</tr>
<tr>
<td>205 - 215</td>
<td>Farral Chalk 140</td>
</tr>
<tr>
<td>215 - 218</td>
<td>Blue Chalk</td>
</tr>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1962)

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

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 ground water.

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 count record.

Signature of Owner: John M. Robinson
Date: 12-31-63
STATE OF MONTANA,
MUSSELSHELL COUNTY,

FILED THIS 
DAY OF

A.D. 1964

AT 3:15 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

FRANCIS L. MURDOCH
DEPUTY
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner: F. Thompson
Address: Joseph, Oregon

Contractor (If any): 
Address of Contractor:

Date Started: 1959
Date Completed: 

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable.

Springs

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.

Stock water

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

Signature of Owner: Frank F. Thompson
Date: Dec. 19, 1961

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, MUSSELHELL COUNTY.

FILED THIS 22 DAY OF DECEMBER A.D. 1965
AT 2:00 O'CLOCK P.M.

CLAUDE F. FLETCHER
COUNTY RECORDER

FRANCIS S. THOMPSON
DEPUTY
# WATER WELL LOG

**Owner:** Clyde Bell  
**Address:** Marshall, Mont

**Driller:** McConnell Bros  
**Address:** Butte, Mont

**Date Started:** Nov. 1, 1956  
**Date Completed:** Nov. 8, 1956

**Location:** Sec 6 T 8 R 30 1/4 sec W2/4 1-2-30

**Type of well:** Drilled  
**Equipment used:** Cable tool

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

**Casing:** 0 ft. to 220 ft.  
**Type:** Steel  
**Size:** 6"

**Casing:** 220 ft. to 240 ft.  
**Type:**  
**Size:**

**Casing:** 240 ft. to 260 ft.  
**Type:**  
**Size:**

**Perforated or Screened:** Ft. 18.5 to Ft. 215  
**Type:** Slotted  
**Size:** 1/2"  
**Length of test:** 1 hour

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

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>58</td>
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</tr>
<tr>
<td>110</td>
<td>115</td>
</tr>
<tr>
<td>115</td>
<td>185</td>
</tr>
<tr>
<td>185</td>
<td>215</td>
</tr>
<tr>
<td>215</td>
<td>220</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1963
Owner: Address:
Contractor (if any): Address of Contractor:
Date Started: Date Completed:

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

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.

Signature of Owner:
Date:

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

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

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

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