STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Edward J. Conley, of Shepherd
   (Name of Appropriator)  (Address)  (Town)
   County of Yellowstone  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:  House and stock water

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

   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:  10 acres 111 9 acres

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

   Gas Engine

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

   8. The depth of water table:  105 ft.

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

   Drilled well, 6 in. hole, -120 ft.

   10. The estimated amount of groundwater withdrawn each year: 30,000 gal. per yr.

   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: Edward J. Conley
   Date: Dec. 27, 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
County of Yellowstone

This instrument was filed in my office
this DECEMBER 18, 19___
at 12:12 o'clock P.M.

Edwin S. Byers
County Clerk & Recorder

By: Deputy

2. 00
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. Edward J. County
   County of Yellowstone

2. The beneficial use on which the claim is based
   (Name of Appropriator) (Address) (Town)

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, includ-
    ing reference to book and page of any county record

Signature of Owner Edward J. County
Date Dec. 27, 1967

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines
and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Edward J. Conly, of Shepherd, 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: House and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: April 1913.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 gals. 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: 100 acres. Irrigation.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: April 1913.

8. The depth of water table: 80 ft.

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

10. The estimated amount of groundwater withdrawn each year: 150,000 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: No records.

Signature of Owner Edward J. Conly.
Date Dec. 27, 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

County of Teton

This instrument to be recorded in our office

Dec 24 1963

at 12:14

P. M.

Plaintiff

Defendant


-200-
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: RICHARD HARRIS
Address: ROUTE 1
          SHEPHERD, MONT.
Date well started: 9-1-72
                    GW 1 2:18 p.m.
Date well completed: 4-1-73
Type of well: Drilled
Equipment used: Rotating drill
Water Use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □
*Describe: 
USE: If used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e. Lot, Block and Addition): 

ESTIMATED ANNUAL WITHDRAWAL: 35,000 GALLONS

PREPARATIONS

<table>
<thead>
<tr>
<th>Size</th>
<th>Depth</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>8-1/2</td>
<td>1+</td>
<td>10</td>
</tr>
</tbody>
</table>

Static water level: 190 ft.
Pumping water level: 379 ft.
at 379 gallons per minute, measured 10 minutes after pumping began.

*Measured from ground level.
Well developed by M. H. for 11 hours.
Power: N.A. Pump N.A.
Remarks: Gravel packing, cementing, packers, type of shutoff

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

Driller's Signature: J. H. HARRIS
Driller's Address: ROUTE 1
                     SHEPHERD, MONT.

LICENSE NO./2 260 Show exact depth of bottom
**Driller's Log**

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

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| County: ____________________________ |
|____________________________________|

**ESTIMATED ANNUAL WITHDRAWAL:** 200,000 GALLONS

**Owner:** Charles Wallen

**Address:** 204 Shamrock, File No. 937463

**Billings County:** 1963

**Date well started:** 8-31-72

**Type of well:** Drilled

**Equipment used:** Rotary

**Water Use:** Domestic, W, Municipal, D, Stock, D, Irrigation, D, Industrial, D, Drainage, D, Other, D, Garden/Lawn

**Static water level:** 75 ft.

**Pumping water level:** 80 ft.

**Flow:** [gallons per minute] measured 35 minutes after pumping began.

**Well developed by:** BAILL

**Power:** N/A, PUMP: N/A, HP

**Remarks:** Gravel packing, cementing, packers, type of cutoff

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

**Driller's Signature:** J. W. B. L. L.

**Driller's Address:** DIGGINER DAILY, 3113

**PRAIRIE Drive**

**LICENSE NO. 197**

**BILLINGS MT 59101**
Mom
Notice of Completion of Groundwater Appropriation by Means of Wells

Notice of Appropriation of Groundwater

Appropriation by Means of Wells

Date of Notice of Appropriation of Groundwater: April 10, 1961

Date Completed: November 9, 1961

Type of Well: Drilled

Equipment Used: Cable tools

Water Use: Domestic ☑️ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐

Water at 93 Ft., and 285 Ft.

Water supply 8 gals. per min.

Static Water Level for non-flowing Well 130 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level: 230 feet at 8 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Boiler

Length of Test: 4 hrs.

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

Driller's License Number

Driller’s Signature

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

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

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

This instrument was filed in my office
this
APR 18, 1983
at 8:00 A.M.

Clerk mileage and return
725.26

Exhibit

705037
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Edward J. Casey, t. Shepherd
   (Name of Appropiater)  (Address)
   County of Yellowstone  State of Montana

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
   ________________________________________________________________________
   Le. water well

3. Date or approximate date of earliest beneficial use, and how continuous the use has been
   ________________________________________________________________________
   Nov. 1, 1961

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   ________________________________________________________________________
   About 3 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
   ________________________________________________________________________
   120. irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   ________________________________________________________________________
   Nov. 1, 1961

8. The depth of water table
   ________________________________________________________________________
   20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
   ________________________________________________________________________
   Drilled well 61 ft hole 104 ft deep

10. The estimated amount of groundwater withdrawn each year
    ________________________________________________________________________
    About 70,000 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
    ________________________________________________________________________

Signature of Owner
Edward J. Casey
Date Dec. 27, 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 Appropiater.
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] of [Address] (Town)
   County of [County] State of [State]
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: [1950]

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

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: [acreage]

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: [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: [200]

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: [unknown]

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

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

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: [unknown]

Signature of Owner: [Signature]
Date: Dec. 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: BAR RANCH CO.
Address: BILLINGS, MONT.

Driller: ROY D. PIERCE
Address: BILLINGS-MONT.

Date of Notice of Appropriation of Groundwater: 6/1/69
Date Completed: 6/1/69

Type of well: Drilled
Equipment Used: CHURN
(Churn, drill, rotary or other)

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

Static Water Level for non-flowing Well __________________ feet.
Shut-in Pressure for Flowing Well __________________ feet.
Pumping Water Level __________________ feet at _______ gal. per minute.
Discharge in gal. per min. of flowing well __________________.

How Tested: Bailier
Length of Test: ______ ft.

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

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Length of Test</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>104</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>115</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well __________________ feet.
Shut-in Pressure for Flowing Well __________________ feet.
Pumping Water Level __________________ feet at _______ gal. per minute.
Discharge in gal. per min. of flowing well __________________.

How Tested: Bailier
Length of Test: ______ ft.

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).

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

Under Chapter 237 Montana Session Laws, 1961, as amended

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

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

Owner: TL BAR RANCH Co.
Address: Box 739
BILLINGS, MONTANA

Date well started: 6/3/69
completed: 6/7/69

Type of well: DRILLED

Equipment used: CHURN

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: 600,000 GALLONS

<table>
<thead>
<tr>
<th>Dia. of Hole</th>
<th>Dia. of Tubing</th>
<th>Depth of Water</th>
<th>Well Depth</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>6 3/4&quot;</td>
<td>0</td>
<td>SLOT 60</td>
<td>80</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>SLOT 80</td>
<td>115</td>
</tr>
</tbody>
</table>

Static water level: 75 ft.
Pumping water level: 110 ft.

Power: Pump HP

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

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

Driller's Signature: ___________________________
Driller's Address: ___________________________

LICENSE NO: ___________________________

55 964
STATE OF MONTANA

County of Teton

This instrument was filed in my office this_______ day of 19_______ at______ o'clock______

MERRILL H. KLUNDT
County Recorder

by______ 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. Harry Smith, County of Yellowstone, 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: 1944

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

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: 1944

8. The depth of water table: 90 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: 

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: 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.
In my office this  
DEG 30 1968 9 M

County of Yellowstone  
By

STATE OF MONTANA  
County of Yellowstone
This instrument was filed in my office
this DEG 30 1968 9 M

County Clerk & Recorder

By

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

1. Name of Appropriator: Warren R. Dick
   (Address): 625 Billings
   County of: Yellowstone
   State of: Mont

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

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

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: Warren R. Dick
Date: Dec. 9, 1965

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 Y. Larson

This instrument was filed in my office this DEC 30 1919
at 4:30 o'clock M.

Filmore S. Redding,
County Clerk & Recorder

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: [Name]
Address: [Address]

Date well started: [Date]
Well completed: [Date]

Type of well: [Type]
Equipment used: [Equipment]

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

*Describe ________________________________

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

ESTIMATED ANNUAL WITHDRAWAL: 800,000 GALLONS

Well Diameter: 8", 6", 0, 90

Perforations: [Diagram]

Static water level: [Level]
Pumping water level: [Level]

*Measured from ground level.

Well developed by: [Driller]
for: [Time] hours.

Power: [Power]
Remarks: [Remarks]

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

Driller's Signature: ____________________
Driller's Address: ____________________

LICENSE NO.: [License]

Show exact depth of bottom.
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: 7L BAR RANCH CO

Address: BOX 739

BILLINGS, MONTANA

Date well started: BEFORE

date well completed: FEB 14, 1964

Top of Ground (liner above sea level)

Type of well: ____________________________

Equipment used: ____________________________

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: 900,000 GALLONS

8" 6" 0

PREP PERIOD

130 90 120

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

Driller's Signature: ____________________________

Driller's Address: ____________________________

LICENSE NO: ____________________________

COUNTY: YELLOWSTONE

DRILLER'S LOG

Indicate the character, color, thickness, porosity, and rock type of strata such as sand, gravel, etc. Show depth at which water is found and height to which water rises in well.
STATE OF MONTANA,  
County of Yellowstone.  
This instrument was filed in my office  

City: July 6th, 1879  

at 1:36 P.M.  

WILLIAM H. BLUNDIT  
County Clerk & Recorder  

By [Signature]  
Deputy
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

NAME: BIRDSONG
ADDRESS: 1234 Main St., Bozeman, MT
TOWN: Bozeman
COUNTY: Gallatin
STATE: MT

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: Livestock

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

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

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

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

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

8. The depth of water table: 40 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: Unknown

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

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

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: Unknown

Signature of Owner: 
Date: Dec 30, 1969

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 Teton

This instrument was filed in my office this DEC 30, 1969
at 4:44 o'clock P.M.

[Signature]
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: Before

Owner: T. M. Ross
Address: Bozeman

Contractor (if any): Red Head Ranch
Address: Billings

Date Started: Before
Date Completed: Before

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

Enlarge Natural Opening
and Install Pump

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:

For livestock water
Continuously

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

Signature of Owner: Red Head Ranch
Date: June 27, 1973

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.
## GROUNDWATER INDEX

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Roberts, Donald H.</td>
<td>GW 2</td>
<td>714239</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Roberts, Donald H.</td>
<td>GW 2</td>
<td>714290</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Roberts, Donald H.</td>
<td>GW 2</td>
<td>705038</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Roberts, Donald H.</td>
<td>GW 2</td>
<td>711400</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Roberts, Donald H.</td>
<td>GW 2</td>
<td>711599</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Roberts, Donald H.</td>
<td>GW 2</td>
<td>705038</td>
<td></td>
</tr>
</tbody>
</table>
Owner: Donald H. Roberts  Address: Sheridan, Wyo.

Driller: C. T. Reid  Address: Sheridan, Wyo.

Date of Notice of Appropriation of Groundwater: ____________________________

Date well started: 3/4/63  Date Completed: 8/10/63

Type of well Drilled: Rotary  Equipment Used: Rotary

(dig, driven, bored or drilled)

(type)

Water Use: Domestic  Municipal  Other  Irrigation

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Case</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>4&quot;</td>
<td>plus 2</td>
<td>362</td>
</tr>
<tr>
<td>10.87 ft.</td>
<td></td>
<td>1/4&quot;</td>
<td>18&quot;</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 140.00 feet.

Shut-in Pressure for Flowing Well: ____________________________

Pumping Water Level: ____________________________ feet at ____________________________ gal. per minute.

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

How Tested: __________  Length of Test: 4 hours

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

Driller's License Number: ____________________________

Driller's Signature: ____________________________

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Donald H. Roberts  Address: Sheridan, Wyo.
Driller: C. T. Reid  Address: Sheridan, Wyo.

Date of Notice of Appropriation of Groundwater:

Date well started 5/14/63
Date Completed 8/14/63

Type of Well: Drilled Equipment Used: Rotary
(src, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cables</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>4&quot; plus 2</td>
<td>263</td>
<td>alite 1/4&quot; x 18&quot;</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>136</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>261</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 121 feet.
Shut-in Pressure for flowing Well: ________________
Pumping Water Level: 238 feet at .4 gal. per minute.
Discharge in gal. per min. of flowing well: __________
How Tested: __________ Length of Test: __________ hours
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Drillers License Number: _______________________
Drillers Signature: ____________________________

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

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

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

Top of Ground

(Elev. above sea level)

From 0 Ft. to 1 Ft. Top Soil

1 Ft. to 25 Ft. Yellow Sand

25 Ft. to 44 Ft. Brown Sand Stone

44 Ft. to 56 Ft. Gray Sand Rock

56 Ft. to 72 Ft. Dark Brown Shale

72 Ft. to 76 Ft. Dark Brown Shale

76 Ft. to 92 Ft. Gray Sand

92 Ft. to 105 Ft. Brown Shale

105 Ft. to 136 Ft. Gray Sand Rock

136 Ft. to 146 Ft. Gray Sand

Date Well Started: 11/1/61

Date Completed: 11/1/61

Water 5 gals. per min.

Water level 30 Ft.

from grade

Water at 120 Ft.

Type of well: Water Use: Domestic [F] Municipal [ ] Stock [ ] Irrigation [ ]

Equipment Used: (Churn, drill, rotary or other)

Water at 120 Ft.

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
(Elev. above sea level)

\[ 1 \text{ ft. to } 10 \text{ ft.} \quad \text{Brown Sandy Shale} \]
\[ 10 \text{ ft. to } 47 \text{ ft.} \quad \text{Gray Shale} \]
\[ 47 \text{ ft. to } 65 \text{ ft.} \quad \text{Blue Shale} \]
\[ 65 \text{ ft. to } 87 \text{ ft.} \quad \text{Sandy Shale} \]
\[ 87 \text{ ft. to } 132 \text{ ft.} \quad \text{Dark Shale} \]
\[ 132 \text{ ft. to } 145 \text{ ft.} \quad \text{Blue sand} \]
\[ 145 \text{ ft. to } 165 \text{ ft.} \quad \text{Sand rock} \]

Water at 140 Ft.

Water supply 4 Gal. per min.

Water level 40 ft. from grade.

Type of well: Drilled

Equipment Used: Cable tools

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

Industrial [ ] Drainage [ ] Other [ ]

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

<table>
<thead>
<tr>
<th>Depth</th>
<th>Material</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-3/4&quot;</td>
<td>Pipe</td>
<td>0</td>
</tr>
<tr>
<td>19 Lbs. per Ft.</td>
<td>4&quot; sheet metal</td>
<td>0</td>
</tr>
<tr>
<td>165 Ft.</td>
<td>20 gauge</td>
<td>0</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 40 ft. from grade.

Shut-in Pressure for Flowing Well

Pumping Water Level: 145 feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Boiler

Length of Test: 4 hrs.

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

Show exact depth of bottom.

165 feet

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Donald H. Roberts
Address: Sheridan, Wyo.

Driller: Leroy E. Johnson
Address: 1145 Lynn Ave., Billings, Montana

Date Completed: 4-2-63

Notice of Appropriation of Groundwater from 42 ft. to 165 ft.

From 1 ft. to 2 ft. - Soil Top
2 ft. to 7 ft. - yellow sand rock
8 ft. to 23 ft. - yellow clay
23 ft. to 27 ft. - hard rock
27 ft. to 45 ft. - blue shale
48 ft. to 68 ft. - bentonite
68 ft. to 82 ft. - fine gray sand rock
82 ft. to 120 ft. - dark shale
120 ft. to 132 ft. - course gray sand rock
132 ft. to 142 ft. - blue shale
142 ft. to 165 ft. - bentonite

Type of Well: Drilled
Equipment Used: Cable tools

Water level 50 feet from grade.
Water supply 4 gals. per minute.
Hit water at 135 feet.

Static Water Level for non-flowing Well: 5 ft.

Shot-in Pressure for Flowing Well: 25 psi

Pumping Water Level: 135 feet at 4 gal. per minute.

Discharge in gal. per min. of flowing well: 55 gal.

How Tested: Length of Test: 15 minutes

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.

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

Driller's License Number

Driller's Signature

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

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

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

This instrument was filed in my office on the 3rd day of July, 1883, at 8:28 o'clock A.M.

Edna S. Redding,
County Clerk & Recorder

Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Donald H. Roberts
Address: Rte. #2, Sheridan, Wyo.

Driller: Leroy E. Johnson
Address: 1145 Lynn Ave., Billings, Montana

Date of Notice of Appropriation of Groundwater: Nov. 28, 1962
Date Completed: Dec. 4, 1962

Water @ 90 Ft 2 Gal. per min.
Water @ 212 Ft 3 Gal. per ft/1c of well Drilled
Equipment Used: Cable Tools
(dug, driven, bored or drilled)

Water level 28 feet from grade

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

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

<table>
<thead>
<tr>
<th>Size of Defect</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-3/4</td>
<td>8&quot; 26 Lbs. surface pipe above grade</td>
<td></td>
<td>18</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>228 Ft.</td>
<td>1 Ft</td>
<td>6&quot; sheet metal above grade</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>215</td>
<td>metal Factory Pref.</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, 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)

SW 1/4.... Sec. 29. T6N. R 27E
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

215 Ft.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of [Redacted]
This instrument was filed in my office
day of APR 18 1989
at 9:00 A.M.

County Recorder

[Signature]
# GROUNDWATER INDEX

### County: Yellowstone  |  Twp: 4N  |  Rge: 28E

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kinghorn, Ray E.</td>
<td>GW14</td>
<td>721837</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Pomrun, John</td>
<td>GW2</td>
<td>917378</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>System Cattle Co.</td>
<td>GW12</td>
<td>876702</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Pfister, Serena Louise</td>
<td>GW2</td>
<td>898400</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Kinghorn, Ray E.</td>
<td>GW14</td>
<td>721837</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Pfister, Ray E.</td>
<td>1967 Well Log</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Pfister, Fred C.</td>
<td>1967 Well Log</td>
<td></td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Pfister, Fred C.</td>
<td>1967 Well Log</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION of VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws,

(Old copy of appropriate) of Sheepd

State of

Counties of

have appropriated groundwater according to the Montana session laws 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 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.

7. The date of commencement and completion of the construction of the well, 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 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.

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 & Recorder; Duplicate to the State Engineer; Triplicate to the Montana bureau of mines and geology, and Quaduplicate for the appropriator.
STATE OF MONTANA.
County of Yellowstone.

This instrument was filed in my office this Dec. 21 1933 at 6:42 o'clock A.M.

John B. Repling
County Clerk & Recorder

By [Signature] Deputy
STATE OF MONTANA  
ADMIRATOR 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: JOHN BROWN  
Address: WORDEB, MONTANA  

Date well started: 4-9-72  
Date well completed: 4-13-72  

Type of well:  

Equipment used:  

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 Hole</th>
<th>Use of Water</th>
<th>Depth</th>
<th>Feet</th>
<th>Power Pump HP</th>
<th>Remarks</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot; 8&quot; 0 31/2</td>
<td>8&quot; SB hole</td>
<td>31/2</td>
<td>41/0</td>
<td>25</td>
<td>60</td>
<td>40</td>
</tr>
</tbody>
</table>

Static water level: 27 ft.  
Pumping water level: 31/2 ft.  
At 20 gallons per minute measured after pumping began.  
*Measured from ground level.  
Well developed by 4-13-32 for 2 hours.  
Power: 25 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:  
License No.:  

Show exact depth of bottom  

51, 549
STATE OF MONTANA.

County of Yellowstone.

This instrument was filed in my office this ______ of ______, 19__
at ______ o'clock ______ M.

MERRILL H. KUHNERT
County Clerk & Recorder

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

Owner: S. J. McDaniel
Address: 1407 S. 13th Ave.

Driller: L. D. Drilling
Address: 1407 S. 13th Ave.

Date of Notice of Appropriation of Groundwater: 6/19/70
Date Well Started: 6/19/70
Date Completed: 6/19/70

Type of Well: Drilled
Equipment Used: C.A.I.S.E.
(dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Screen</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>Kind of Screen</th>
<th>Flux (Foot)</th>
<th>Time (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 1/2</td>
<td>6 FT C</td>
<td>0</td>
<td>90</td>
<td>Drilled</td>
<td>50</td>
<td>40</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 4 2/3 feet
Shut-in Pressure for flowing well
Pumping Water Level: 20 feet at 10 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: BAILER
Length of Test: 4 HRS
Remarks: (Gravel packing, cementing, packers, type of cutoff, 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)

CRAVEL PACKED

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 Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Same Lena Frister
Address: Billings, Mont.

Driller: Unknown

Date of Notice of Appropriation of Groundwater:

Date well started: About 1956
Date completed: Same time

Type of well: Drilled
Equipment Used: Drill (Churn, drill, rotary or other)

Water Use: Domestic
Municipal
Other
Irrigation
Industrial
Drainage
Stock

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

This well in a fairly recent section trade, do not know any particulars.

Static Water Level for non-flowing Well

Unknown

Shut-in Pressure for Flowing Well

Unknown

Pumping Water Level

Unknown

Discharge in gal. per min. of flowing well

Unknown

How Tested

Unknown

Length of Test container

End of day

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)

None

Driller's License Number

Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
FILE NO.__________________________

ORIGINAL

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1949)

(Name of Appropriate)

County of __________________________ State of Montana

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

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

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

July 2, 1958 — 1962

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:

June 25, 1958 - July 2, 1962

8. The depth of water table:

115 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:

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 & 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 Yellowstone.

This instrument was filed in my office
this DECEMBER 19, 1930 at
8 o'clock in the morning.

Edmon H. Redding,
County Clerk & Recorder

By: Deputy
<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>Domestic</td>
</tr>
<tr>
<td>Industrial</td>
<td>Industrial</td>
</tr>
<tr>
<td>Municipal</td>
<td>Municipal</td>
</tr>
<tr>
<td>Stock</td>
<td>Stock</td>
</tr>
<tr>
<td>Irrigation</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Drainage</td>
<td>Drainage</td>
</tr>
<tr>
<td>Other</td>
<td>Other</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 ft. to 11 ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
<tr>
<td>35 ft. to 126 ft.</td>
<td>Type</td>
<td>Size</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened</th>
<th>Type of screen or perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ft. 27 to Ft. 40</td>
<td>Plastic Perforated</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>23 ft. from Surface</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well</th>
<th>lb./sq. in. on:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(date)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>Feet</th>
<th>gal. per min.</th>
</tr>
</thead>
<tbody>
<tr>
<td>110</td>
<td>5</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested</th>
<th>Length of test</th>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 ft.</td>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft - 1 ft</td>
<td>Pop Soil</td>
</tr>
<tr>
<td>1 ft - 3 ft</td>
<td>Grey Shale</td>
</tr>
<tr>
<td>3 ft - 5 ft</td>
<td>Grey Sand Rider</td>
</tr>
<tr>
<td>5 ft - 10 ft</td>
<td>Grey Shale</td>
</tr>
<tr>
<td>10 ft - 15 ft</td>
<td>Water Supply 5 gal per min</td>
</tr>
<tr>
<td>15 ft - 11 ft</td>
<td>Water at 15 ft and 11.5 ft</td>
</tr>
<tr>
<td>Total Supply</td>
<td>5 gal per min</td>
</tr>
</tbody>
</table>
# Form No. 18

## MONTANA BUREAU OF MINES AND GEOLOGY

**Water Well Log**

**Butte, Montana**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td>Fred A. Black</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Address Information</td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td>Same</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>Date Information</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Sec. 13 T. 4N R. 39E sec. 1 W 1/2</td>
</tr>
</tbody>
</table>

| **Type of well**       | Diamond drilling, rotary, or drilled |
| **Equipment used**     | Trench, drill, drill, other |

<table>
<thead>
<tr>
<th><strong>Water use</strong></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>

<table>
<thead>
<tr>
<th><strong>Casing</strong></th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Perforated or screened:</strong> Ft. to Ft.</td>
<td>Ft. to Ft.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| **Type of screen or perforations** | |
|-----------------------------------| |

| **Static water level, for non-flowing well:** 20 ft. from surface | feet. |
| **Shut-in pressure, for flowing well:** lb./sq. in. on | (psi). |
| **Pumping water level:** 20 feet at 5 gal. per min. | |
| **How tested:** | pump |
| **Length of test:** 2 hr. | |

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

(over)
**WATER WELL LOG**

**Owner:** Fred C. Plath  
**Address:** Skyland, Mont.

**Driller:** Gary E. Johnson  
**Address:** 240 Cook Ave., Billings.

**Date Started:** June 13, 1958  
**Date Completed:** June 27, 1958

**Location:** Sec. 14 T. 4 N. R. 28 E. 1/4 sec. NE 1/4

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Cable tools</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td></td>
<td>Churn drill, rotary, other</td>
</tr>
</tbody>
</table>

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

- Casing: 11 ft. to 10 ft.  
- Type: Schedule pipe  
- Size: 8”

- Casing: 16.2 ft. to 15.7 ft.  
- Type: Steel metal  
- Size: 6”  
- Lab. 20 gauge

**Casing:**  
- Perforated or Screened: Ft. 18 to Ft. 45.  
- Type of screen or perforations: Factory Perf.

**Static Water level for non-flowing well:** 30 ft. from surface feet.

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

**Pumping water level:** 145 feet at 5 gal. gal. per min.

**How tested:** Bailes

**Length of test:** 2 hrs.

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

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(over)