Recently a copy of a groundwater appropriation form,

[ ] GW 1, Notice of Appropriation of Groundwater
[ ] GW 2, Notice of Completion of Groundwater Appropriation by means of Well
[ ] GW 3, Notice of Completion of Groundwater Appropriation without Well
[ ] GW 4, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner George Clunie
Address West Shore, Polson, Montana

Location T. 24 N., R. 21 W., Sec. 25
Document No. 105514

This is to inform you that your GW form has been received and is complete as filed.

[ ] This is a request for additional information if available. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please provide the estimated annual withdrawal in gallons per year on the enclosed form.

[ ] Other.
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
For Administrator's Use
George A. Clints
File No. 2956

Address
Ft. Benton, Montana

Date well started
August 13, 1970

Type of well
Drilled

Equipment used
Churn 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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Max. and Min. Water Level</th>
<th>From (Pump)</th>
<th>To (Pump)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;-1&quot;</td>
<td>30 ft. above EA</td>
<td>100 ft.</td>
<td>100 ft.</td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Kind of Department</th>
<th>From (Pump)</th>
<th>To (Pump)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liner</td>
<td>75 ft.</td>
<td>100 ft.</td>
</tr>
</tbody>
</table>

Static water level 55 ft.
Pumping water level 100 ft.
at 600 gallons per minute,
measured 15 minutes after pumping began.

*Measured from ground level.
Well developed by 17 hours.
Power: 1/2 HP.
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Lot 4 Tompkins Villa
Tr B...... 6...... 1/4 Sec. 23......
7...... 24...... 16th S. E. 22....

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

Driller's Signature
Driller's Address

LICENSE NO. 7

Show exact depth of bottom 4760
STATE OF MONTANA
COUNTY OF LAKE

Filed on the 6th day of
October A.D. 1970 at 9:30
o'clock A.M.
Ethel M. Harding
Clerk and Recorder

Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1968

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ray L. Cornelius  Address: Polson, Montana
Driller: Liberty Drilling Co Address: Missoula, Montana

Date of Notice of Appropriation of Groundwater: None filed

Date well started: 6/27/68  Date completed: 9/12/68

Type of well Drilled: Air Rotary

Water use: Domestic  Municipal  Stock  Irrigation  Industrial  Drainage  Other

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

<table>
<thead>
<tr>
<th>Formations Log:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 30</td>
<td>Gravel, cobblestones &amp; broken rock mixed in ten clay.</td>
</tr>
<tr>
<td>30 - 46</td>
<td>Light gray rock.</td>
</tr>
<tr>
<td>46 - 84</td>
<td>Broken dark gray rock.</td>
</tr>
<tr>
<td>84 - 173</td>
<td>Light gray rock.</td>
</tr>
<tr>
<td>173 - 252</td>
<td>Gray &amp; green rock in alternate layers. Seeps of water. Total 4 GPM @ 252 ft.</td>
</tr>
<tr>
<td>252 - 255</td>
<td>Light gray rock.</td>
</tr>
<tr>
<td>255 - 257</td>
<td>Dark gray rock.</td>
</tr>
<tr>
<td>257 - 259</td>
<td>Light gray rock &amp; white rock.</td>
</tr>
<tr>
<td>259 - 271</td>
<td>Gray and brown rock in alternate layers. Some water.</td>
</tr>
<tr>
<td>271 - 273</td>
<td>Gray rock.</td>
</tr>
<tr>
<td>273 - 299</td>
<td>Dark gray rock.</td>
</tr>
<tr>
<td>299 - 301</td>
<td>Light gray rock.</td>
</tr>
<tr>
<td>301 - 318</td>
<td>Dirty gray rock. Total 12 GPM.</td>
</tr>
<tr>
<td>318 - 474</td>
<td>Light gray and dark gray rock in alternate layers. Total 15 GPM.</td>
</tr>
<tr>
<td>474 - 483</td>
<td>Green rock. Total 20 GPM.</td>
</tr>
<tr>
<td>483 - 486</td>
<td>Dark gray rock.</td>
</tr>
</tbody>
</table>

<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>Depth of Water in Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>8 5/8&quot;</td>
<td>+2</td>
<td>95 1/3&quot;</td>
<td>N O N E</td>
</tr>
<tr>
<td>5/8&quot;</td>
<td>6 5/16&quot;</td>
<td>79</td>
<td>147 16&quot;</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 58 feet.

Shut-in Pressure for Flowing Well None.
Pumping Water Level 140 feet at 20 gal. per minute.

Discharge in gal. per min. of flowing well None.

How Tested: Air-Lift Pump

Length of Test: Four hours

Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well from cracks and seams in the rock below 175 feet.

Tract 3 & 4 oh dead Exhibit M-443

Show exact depth of bottom.

Bottom of hole 486 feet.

Lot 5

1/4 Sec. 25, T. 24N, R. 21W

Indicate location of well 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).

Driller's License Number

Driller's Signature

44-623
STATE OF MONTANA
County of Lake
Filed on the 11th day of Oct.
A.D. 1918 at 12:00 o'clock M

ETHEL M. HARDING
County Clerk and Recorder

J. C. C. County Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Donald E. & Marie E. Green
(Name of Appropria tor)

Flathead Lake

(Under Chapter 237, Montana Session Laws, 1961)

Flathead Lake

1. County of Lake State of Montana.

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

<table>
<thead>
<tr>
<th>Point of Appropriation</th>
<th>Date of Commencement</th>
<th>Date of Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>June 1 to June 10, 1960</td>
<td></td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1, 1960

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 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 1 to June 10, 1960

8. The depth of water table: 8 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: Hand dig, three ft. diameter concrete, 27 ft. deep.

10. The estimated amount of groundwater withdrawn each year: 200 gal.

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

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: Let Nine (9) of Block Two (2) and Lot One (1)
of Block Three (3) of MURPHY'S PLAT OF ACRES, a platted subdivision in Lake County, Montana.

Signature of Owner: Donald E. Green

Date: 6-24-63

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 Appropria tor.
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 227 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: Charles O. Johnson
Address: West Shore
Polson, Montana

Date well started: April 5, 1971
Date well completed: April 12, 1971

Type of well: Drilled
Equipment used: Gravel, shale, sandstone, etc.

Water Use: Domestic
Industrial
Municipal
Stock
Irrigation
Drainage
Other

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).

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

Each small square represents 40 acres.

Lot 4

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature: [Signature]

Driller's Address: 1502 S. 3rd St., Missoula, Montana

LICENSE NO.: 151

Show exact depth of bottom

48560
WELL REPORT
CHARLES O. JOHNSON
TO
THE PUBLIC

STATE OF MONTANA
County of Lake
Filed on the day of
A.D. 19__

ETHEL M. HARDING
County Clerk and 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: October 21, 1961

Owner: Jack W. Little
Address: 356 42nd Ave., N.E.
Seattle 5, Washington

Contractor (if any): Fred Schrage
Address of Contractor: 356 East Eight St., Winona, Minn.

Date Started: 10-14-61
Date Completed: 10-21-61

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Water obtained by drilling a 24" test hole to a depth of 80'.

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. Quantity of water developed was estimated to be 500 gal. per hour, the amount obtainable through the test rig which operated at full capacity without a let up.

When followed by a well, the 60 gal. capacity 2 1/2" pipe larger capacity is probably not possible to develop 500 gal. per hour. This is to be tested.

Date: January 21, 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 Lake,
Piled on the 22 day of June
A. D. 1923 at 9:30 o'clock A.M
HAZEL KINNICK
Clerk and Recorder
Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Henry Reel
Address: West Shore
Polson, Montana

Date of Notice of appropriation of groundwater: June

Date well started: January 28, 1968
Date completed: February 10

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 within 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>Strata</th>
<th>Min of Depth in (ft)</th>
<th>Max of Depth in (ft)</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boulders, Clay and Gravel</td>
<td>120</td>
<td></td>
<td>Solid □</td>
</tr>
<tr>
<td>60 ft Gravel</td>
<td>6-5/8</td>
<td>178</td>
<td>Solid □</td>
</tr>
<tr>
<td>Silty Clay and Gravel &amp; Dirty Water</td>
<td>82</td>
<td></td>
<td>Solid □</td>
</tr>
<tr>
<td>Soft Brown Clay</td>
<td>124</td>
<td></td>
<td>Solid □</td>
</tr>
<tr>
<td>Boulders, Clay and Gravel</td>
<td></td>
<td>135</td>
<td>Solid □</td>
</tr>
<tr>
<td>Solid Grey Rock</td>
<td>135</td>
<td></td>
<td>Solid □</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: N/A ft.
Shut-in Pressure for flowing well: 130 psi
Pumping Water Level: 126 ft
Discharge in gal. per min. of flowing well: 28 gal.
Length of Test: 4 hr.
How Tested: Driller
Remarks: (Gravel packing, cementing, packers, type of shut-off)

(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).

Show exact depth of bottom.

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

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

Driller's License Number: 163
Driller's Signature: [Signature]

3/4/299
## WATER WELL LOG

**Owner:**

- Name: [Name]
- Address: [Address]

**Driller:**

- Name: [Name]
- Address: [Address]

**Date Started:** 7-27-57

**Date Completed:** 8-5-57

**Location:** Sec. 25 T. 34 R. 81 W. 54 sec. NW 1/4 NE 1-36

### Type of Well

- **Type:** Drilled
- **Equipment Used:** Drilling Machine

### Water Use

- Domestic [ ]
- Municipal [ ]
- Stock [ ]
- Irrigation [ ]
- Industrial [ ]
- Drainage [ ]
- Other [ ]

### Casing

- **From:** 20 ft.
- **To:** 13 ft.
- **Type:** [Type]
- **Size:** [Size]

### Perforated or Screened

- **From:** [Feet]
- **To:** [Feet]
- **Type:** [Type]
- **Size:** [Size]

### Type of Screen or Perforations

- [Type]

### Static Water Level

- For non-flowing well: [Feet]

### Shut-in Pressure

- For flowing well: [Pressure] lb./sq. in. on: [Date]

### Pumping Water Level

- [Feet] feet at [Flow] gal. per min

### How Tested

- [Measurement]

### Remarks

- [Remarks]

---

*Silica Rock 38 ft*

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>Groundwater 88 ft</td>
</tr>
<tr>
<td>To</td>
<td>Clay on Briar Rock</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: May 4, 1967
Owner: J. P. Rallias
Address: Polson, Mont. (West Shore Rd)

Contractor (if any): None
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 Spring, Domestic Use - Approximate Average Flow: 1,025 cubic feet per second.

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.

Lot 15, Tract "F" Revised Tomkins Villa

Signature of Owner: [Signature] Date: May 4, 1967

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

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

1. Charles Moody & Ruth Moody of Ronan,
   (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 is domestic use, including yard & garden irrigation.
   
   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: December 1955. Initial use, and it has been continuous seasonal use ever since.
   
   4. The amount of groundwater claimed (in miner's inches or gallons per minute) are half-gallon per minute, about 750 gallons per day.
   
   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.
      Lot 12, Block 1, Tompkins Villa, 1 acre to 1 A. irrigated.
   
   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: begun December 1955, completed December 1955. Spring or surface well and it was developed, dug out, cemented walled 8 ft. wide by 4 ft. and about 15 ft deep.
   
   8. The depth of water table. Surface is actually about 10 feet to drain.
   
   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: dug well 4 ft. by 8 ft. cemented walls, about 15-20 feet deep, overflow drain about 10 ft. down from surface.
      
   10. The estimated amount of groundwater withdrawn each year: estimated 200,000 gallons, natural flow from overflow.
   
   11. The log of formations encountered in the drilling of each well if available.
      none
   
   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: none.
      
      Signature of Owner: Charles Moody
      Date: Dec. 23, 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
County of Lake,
Filed on the 27th day of Dec.,
A.D. 1913, at 5 o'clock P.M

F. H. KINNICK
County Clerk and Recorder

By, A. Biemesderfer

Dwight
Notice of Completion of Groundwater Appropriation
Without Well

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 4/23/69

Owner: Andrew B. Cappedege
          Polson, MT

Contractor (if any)

Address of Contractor

Date Started __________________ Date Completed __________________

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

   DEVELOPED SPRING

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

   Gravity

3) Depth of water table

4) Use of the water: Personal

5) Amount of groundwater claimed (in miner's inches, or gallons per minute)

   100 gal per minute

6) If used for irrigation, give number of acres and description of land: None

7) Estimate amount of water used each year

   20,000

Signature of Owner: Andrew B. Cappedege
Date: 4-23-69

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.
Roland B. Coffin

1885

To

The Republic
Notice of Completion of Groundwater Appropriation
Without Well
Developed After January 1, 1962
Under Chapter 237 Montana Session Laws, 1961

Date of Appropriation of Groundwater: 15 Sep 1960

Owner: George W. Culbert
Address: Big Arm, Montana

Contractor (if any): 
Address of Contractor: 
Date Started: 15 July 1960
Date Completed: 15 Sept 1960

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

Spring

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

Gravity

3) Depth of water table:

0'

4) Use of the water: Domestic

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): 10 Miners Inches

6) If used for irrigation, give number of acres and description of land:

7) Estimate amount of water used each year:

1,000,000 gal

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.
R-1276

199360

Water Report

George W. Culbert

to

The Public
Notice of Completion of Groundwater Appropriation
Without Well
Developed After January 1, 1963 (Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 15 Sept 1960
Owner: George W. Gilbert
Address: Big Arm, Montana
Contractor (if any): 
Address of Contractor: 
Date Started: 15 July 1960, Date Completed: 15 Sept 1960

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

Spring

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

Gravity

3) Depth of water table

4) Use of the water

Domestic

5) Amount of groundwater claimed (in miner's inches, or gallons per minute)

10 Miners Inches

6) If used for irrigation, give number of acres and description of land:

7) Estimate amount of water used each year

1,000,000 gal

Signature of Owner: 
Date: 20 July 1971

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.
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: August, 1965
Owner: G. A. Dietert
Address: 2344 Cloverdale
Missoula, Montana

Contractor (if any): None
Address of Contractor: None
Date Started: Not Known
Date Completed: Not Known

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. A natural ground spring, a steel casingment, three feet in diameter and about ten feet deep buried for collection.

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. 7000 gallons (estimated about 800 gallons per month for 10 months each year).

Signature of Owner: [Signature]
Date: November 1, 1965

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 Lake
Filed on the 6 day of Dec.
A.D. 1967 at 2:30 o'clock P.M.
HAZEL KINNICK
County Clerk and 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: H. E. H. National
Address: 504 N. 10th St. Missoula, Montana

Date well started: 1961
Date well completed: 1961

Type of well: Drilled

Equipment used: Churn

Water Use: Domestic

*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: 1000

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Depth of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>90</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 31 feet
Pumping water level: 19 feet
at 10 gallons per minute, measured 50 minutes after pumping began.

*Measured from ground level.
Well developed by pumping for 1 hour.

Power: Pump: 1 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

ARLENE VILLA Lot 1, Blk 1

Driller's Signature: Big Arne, Alast
Driller's Address: Big Arne, Mont

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

Show exact depth of bottom

54453
STATE OF MONTANA
County of Lake

Filed on the 30th day of June
A.D. 1933 at 11:30 o'clock A.M.

ETHEL M. HANSON
County Clerk and Recorder

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

Owner: Benj H. Walker
Driller: Frank Marison

Date of Notice of Appropriation of Groundwater: October 23, 1964
Date Completed: November 5, 1964

Type of well: Drilled
Water Use: Domestic [x] Municipal [] Other [] Irrigation []

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 Casing (Feet)</th>
<th>From Ground Level (Feet)</th>
<th>To Ground Level (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; x 19 lbs</td>
<td>14'</td>
<td>0</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 25' from ground level.

Shut-in Pressure for Flowing Well: __________ psi

Pumping Water Level: 99' feet of water column

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

How Tested: __________ Length of Test: __________

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

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: __________
STATE OF MONTANA
County of Lake.

Filed on the 14th day of July, 19__
1:30 p.m.

Hazel Kinnick
Clerk and Recorder

By C. Lambeau
Deputy
**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

- **Developed as of January 1, 1962.**

This form may 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:**

**Address:**

**Date well started:**

**Date completed:**

**Type of well: DRILLED**

**Equipment used:** CABLE TOOL & APR. ROTARY

**Water Use:** Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

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

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Flowing Holes</th>
<th>Flowing (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; ID + 1/4&quot;</td>
<td>126</td>
<td>201</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>6&quot;</td>
<td>4&quot; ID 124</td>
<td>201</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Static water level:** ft.
- **Pumping water level:** 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.:** 154
R-1292

# 20024V

WELL REPORT

JOHN, CAROL, LESLIE, NAOMI INMAN

TO

THE PUBLIC

STATE OF MONTANA
COUNTY OF LAKE

Filed on the 24th day
of Sept. A.D. 12:35 P.M.
Etha M. Harding
Clerk and Recorder

by [Signature]
Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of Appropriation of Groundwater
Date of Notice of Appropriation of Groundwater
Type of well: Drilled Equipment Used: 22 ft. Boring (dug, driven, bored or drilled)
Water Use: Domestic ☐ Municipal ☐ Stock ☐ Irrigation ☐

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>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well 14 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level 75 feet at 28 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: BaUner
Length of Test 3 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)

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

Show exact depth of bottom.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines; quadruplicate for the Appropriation.
Well Report
Belden M. Cook
To The Public

STATE OF MONTANA
County of Lake
Filed on the 24th day of Oct.,
A.D. 1917.

ETHEL M. HARDING
County Clerk and Recorder
By

Deputy
R 1092
18/732

Well Report
Brendon H. Cook

To
The Public

STATE OF MONTANA
County of Lake

Filed on the 24th day of Oct
A.D. 1967

ETHEL M. HARDING
County Clerk and Recorder

Steve Freeman
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.

John C. Dangler, Trustee under
Owner:
For Administrator's Use:
Address: Big Arm, Montana 59910
File No. 21-1-35

Date well started: 5-14-73
completed: 5-15-73

Type of well: Drilled
(Dug, driven, bored or drilled)

Equipment used: Air/Rotary
(Choice drill, rotary or other)

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: 7,800,000 gallons

<table>
<thead>
<tr>
<th>Size of Internal Hole</th>
<th>Size and Watt of casing</th>
<th>From Feet</th>
<th>To Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>5/8&quot; OD x .250</td>
<td>+2</td>
<td>87</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS

Static water level 5 ft.
Pumping water level 67 ft.
at 20 gallons per minute,
measured 30 minutes after pumping began.

*Measured from ground level.
Well developed by air surge for two hours.

Power Dig. - Pump - 150 HP
Remarks: Gravel packing, cementing, packers, type of shutoff all water entering well thru open bottom of the eight-inch casing.
Wells in this area can be depended upon to produce.

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

Driller's Signature
Driller's Address: LIBERTY DRILLING & PUMP CO.

KALISPELL, MONTANA... 59901 LICENSE NO. 82
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: A. D. Mincoff
Address: Big Arm, MT

Driller: Thomas McClintock
Address: 945-536 MT

Date of Notice of Appropriation of Groundwater

Date well started: April 1969
Date Completed: April 22

Type of well: Drilled
Equipment Used: 23' auger
(dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of</th>
<th>Site</th>
<th>Weight of Casing</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled Hole</td>
<td>7' 0&quot;</td>
<td>23 #</td>
<td>18</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 25 feet.
Shut-in Pressure for Flowing Well
Pumping Water Level: 13 feet at 17 gal. per minute.
Discharge in gal. per min. of flowing well
How Tested: 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.
Well Report

A. D. Merrell

To The Public

STATE OF MONTANA
County of Lake
Filed on the 27th day of April
A. D. 1919

ETHEL M. HARDINA
County Clerk and Recorder
By

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

Date of Notice of Appropriation of Groundwater: Apr 23, 1969
Date Completed: May 13, 1969
Type of well: Drilled
Equipment Used: Churn, drill, rotary or other

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Couple</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: __________ feet.
Shut-in Pressure for Flowing Well: __________ psi.
Pumping Water Level: 105 feet at 167 gal. per minute.
Discharge in gal. per min. of flowing well: __________
How Tested: __________
Length of Test: __________

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

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

Show exact depth of bottom.

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

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

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

5/28
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: G. J. Riggs
Address: Big Arm
Driller: Homer McCarty
Address: 745-8804

Date of Notice of Appropriation of Groundwater

Date well started: Mar 27, 69
Date completed: Apr 8, 69

Type of well: Drilled
Equipment used: 25 ft Bingus
(dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Weight of Drilling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 1/2 ft</td>
<td>2.5 ft</td>
<td>16 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 42 feet.
Shut-in Pressure for Flowing Well: 68 feet at 20 gal. per minute.
Pumping Water Level: 68 feet at 20 gal. per minute.
Discharge in gal per min of flowing well: 83 min
How Tested: Tailer
Length of Test: 12 min
Remarks: (Gravel packing, cementing, packers; type of shutoff, location of place of use of groundwater if not at well, and any other 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 School of Mines and quadruplicate for the Appropriator.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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

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: Doug Ernest
Address: East Shore

Date well started: 11/15/72

Date well completed: 11/16/72

Type of well: Drilled

Equipment used: Air Rotary

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

*Describe:

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

ESTIMATED ANNUAL WITHDRAWAL: 22,624,000 gallons

<table>
<thead>
<tr>
<th>Date of Draw</th>
<th>Size and Weight of Casing</th>
<th>Feet</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>5/8&quot;OD x 6&quot;wall</td>
<td>16&quot;</td>
<td>16&quot;</td>
<td>NONE</td>
</tr>
<tr>
<td>8&quot;</td>
<td>5/8&quot;OD x 6&quot;wall</td>
<td>15&quot;</td>
<td>205&quot;</td>
<td>Torch Cut</td>
</tr>
</tbody>
</table>

Static water level: 114 ft.

Pumping water level: 137 ft.

at: 40 gallons per minute, measured 90 minutes after pumping began.

*Measured from ground level.

Well developed by air-surge for 3 hours.

Power: diesel. Pump: 150 HP

Remarks: Gravel packing, cementing, packers, type of shutoff. All water entering well is coming through the perforations and the open bottom of the six-inch casing.

Wells in this area (CONT.)

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

Driller's Signature: [Signature]

Driller's Address: LIBERTY DRILLING & PUMP CO.

KallisPELL, MONTANA

LICENSE NO.: 52

Show exact depth of bottom: 207
can be depended upon to produce clean sand from new-year after year as long as they are not overpumped; i.e., they should be pumped at rates not in excess of 60-70 percent of the tested...
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. WAITE, A. CONWELL, of BIG ARM
   (Name of Appropriator) (Address) (Town)

County of LAKE 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
   and HOUSEHOLD and irrigate.

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

4. The amount of groundwater obtained (in minor's inches or gallons per minute): 20 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:

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:
   COMMENCE: JAN 10 1960
   FEDUP: DEC 10 1960

8. The depth of water table: 283

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: 100000 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:

Signature of Owner: WAITE, A. CONWELL
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
County of Lake
Filed on the 21st day of January, 1926
A. D. 1926, at 2:30 o'clock P.M.
HAZEL KROHN
County Clerk and Recorder

200

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

Date of Notice of Appropriation of Groundwater: Non-filled
Date well started: May 28, 1964
Date Completed: June 10, 1964

Driller: Liberty Drilling Co.
Address: Big Arm, Montana

Top of Ground

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 3</td>
<td>Black dirt and gravel</td>
</tr>
<tr>
<td>3 - 57</td>
<td>Gravel, cobblestones and boulders mixed in tan clay</td>
</tr>
<tr>
<td>57 - 89</td>
<td>Gravel and cobblestones imbedded in tan clay</td>
</tr>
<tr>
<td>89 - 122</td>
<td>Gravel, cobblestones and boulders mixed in tan clay</td>
</tr>
<tr>
<td>122 - 138</td>
<td>Gravel imbedded in tan clay</td>
</tr>
<tr>
<td>138 - 156</td>
<td>Gravel and clay gravel</td>
</tr>
<tr>
<td>156 - 161</td>
<td>Brown silt</td>
</tr>
<tr>
<td>161 - 166</td>
<td>Blue gravel</td>
</tr>
</tbody>
</table>

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>Depth (ft)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>166 - 168</td>
<td>Tan clay with some gravel imbedded</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8&quot;OD</td>
<td>0</td>
<td>166</td>
<td>NONE</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 20 feet
Shut-in Pressure for Flowing Well: Non-flowing
Pumping Water Level: 154 feet at 8 gal. per minute
Discharge in gal. per min. of flowing well: Non-flowing
How Tested: Bailler
Length of Test: 6 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).

All water is entering the well through the open bottom of the six-inch casing.

Driller's License Number: 62
Driller's Signature: [Signature]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Name</th>
<th>Address</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Doe</td>
<td>123 Main St, Bozeman, MT</td>
<td>Property in Bozeman, MT</td>
</tr>
<tr>
<td>Jane Smith</td>
<td>456 Oak Ave, Livingston, MT</td>
<td>Property in Livingston, MT</td>
</tr>
<tr>
<td>Bob Johnson</td>
<td>789 Pine Dr, Missoula, MT</td>
<td>Property in Missoula, MT</td>
</tr>
</tbody>
</table>

**Date:**
-Filed on: [Date]
-Filed by: [Name]

**County Clerk:**
- Clerk: [Name]
- Deputy: [Name]
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: George Davis Jr.  Address: Purguma, Mont.
Driller: John Farrell  Address: Anaconda, Mont.
Date Started: June 9, 1960  Date Completed: Aug. 10, 1960
Location: Sec. 33  T. 24 N.  R. 21 W.  §. 8th. Meridian, Big

County: Lake  Co.  Montana

STATE ENGINEER

RECEIVED
Nov. 18, 1960

Type of well: Domestic  X  Equipment used: (Churn drill, rotary, other)

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

Casing: 0 ft. to 300 ft.  Type: Steel  Size: 5"
Casing: 15 ft. to 357 ft.  Type: 11  Size: 4" perforated

Perforated or Screened: Ft. 155  to 357  Ft.

Type of screen or perforations:

Static water level, for non-flowing well: Not applicable
Shut-in pressure, for flowing well: 0 lb./sq. in. on: (date)

Pumping water level: 203  feet at  gal. per min.

How tested: Pump

Length of test:

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 359</td>
<td>Clay gravel - hard pan</td>
</tr>
<tr>
<td></td>
<td>Liquefied water 4 ft</td>
</tr>
<tr>
<td>11 - 12</td>
<td>2 09 ft</td>
</tr>
<tr>
<td>12 - 13</td>
<td>3 41 ft</td>
</tr>
<tr>
<td>5&quot;</td>
<td>Coming to 300 ft</td>
</tr>
<tr>
<td>11&quot;</td>
<td>andel - coming from 125 ft to 359 ft</td>
</tr>
<tr>
<td></td>
<td>Rock filled to 321 ft</td>
</tr>
<tr>
<td></td>
<td>Red Rock 359</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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

This form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.
Please answer all questions. If not applicable, so state, otherwise the form may be returned.

Harold H. and Flora Jean Olson
Owner
Address: Shoreline Route File 26917
Polson, Montana
Date well started: April 17, 1972 Completion: April 21, 1972

Type of well: Drilled
Equipment used: Air rotary

Water Use: Domestic [G] Municipal [□] Stock [□] Irrigation [□]
Industrial [□] Drainage [□] Other [□] Garden/Lawn [□]
Describe: To supply domestic and culinary water for 5
USE: State number of acres and location or other data (i.e. Lot, Block and Addition) 10 acres

ESTIMATED ANNUAL WITHDRAWAL: 32,420,000

Static water level: 23 ft.
Pumping water level: 146 ft.
at 75 gallons per minute, measured 150 minutes after pumping began.
*Measured from ground level.
Well developed by Air-Lift Pump for 12 hours.
Power: Diesel Pump 150 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff) All water entering well through cracks and seams in rock below 260 feet. Wells in this area can be depended upon to

INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE
EACH SMALL SQUARE REPRESENTS 40 ACRES.
Driller’s Signature: Liberty Drilling Co.
Driller’s Address: Route 3

Kalispell, Montana
LICENSE NO.

Show exact depth of bottom
Water rises in well 24' from surface.

51, 723
produce clear sand free water year after year as long as they are not overpumped, i.e., they should be pumped at rates not in excess of 50 to 60 percent of the tested capacity of the aquifer.
Notice of Completion of Groundwater Appropriation by Means of Well

(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.)

Lot 6 Block 4
Big Arm Townsite

This form is 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.)
242 - 276 Tan clay with some gravel imbedded.
276 - 292 Sand and gravel mixed in brown silty clay. Some dirty water
292 - 307 Brown silty clay
307 - 316 Computed brown sand. Very dirty
316 - 367 Hard blue rock with artesian water in cracks and seams.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: DORRIS STALKER
Address: Park, Wyoming

Driller: LIBERTY DRILLING CO.
Address: Missoula, Montana

Date of Notice of appropriation of groundwater: None filled

Date well started: 6/2/66
Date completed: 6/9/66

Formation Logs:

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Site and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind of Well</th>
<th>Press (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1 Black dirt mixed in</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 - 30 Gravel &amp; cobblestones imbedded in tan clay.</td>
<td></td>
<td></td>
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<td></td>
</tr>
<tr>
<td>30 - 56 Gravel mixed in tan clay.</td>
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<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>56 - 151 Gravel imbedded in tan clay.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>151 - 152 Tan clay &amp; gravel. Some silty water.</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>152 - 156 Gray silty clay with some gravel mixed in.</td>
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</tbody>
</table>

Water rises in the well to surface:

Well is located on Lot 14 of Block 13 in the Townsite of Big Arm, Lake County, Montana.

Static Water Level for non-flowing well: None feet.

Shut-in Pressure for Flowing Well: None.

Pumping Water Level: 70 feet.

Discharge in gal. per min. of flowing well: 1/8 gal.

How Tested: Pump test.

Length of Test: One hour.

Remarks: (Gravel packing, cementing, packers, type of shutoff). All water entering well is coming through the open bottom of six inch casing. Wells with open bottom completions in this area can be depended upon to produce clear sand free water year after year as long as they are not used if used for irrigation, industrial, drainage or other. Explain, state number of acres and location or other data (i.e.: Lot, Block and Addition).

Lot 14 Block 13 in the Townsite of Big Arm, Lake County, Montana.

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, these copy to be retained by driller.

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

Driller’s License Number

Driller’s Signature
I., they should be pumped at rates less than 25 to 50 percent of the tested capacity of the aquifer.
Notice of Completion of Groundwater Appropriation
Without Well
Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater... Aug 1, 1962

Owner... William H. Cody
Address... 20 Fairview

Contractor (if any)... None

Address of Contractor... None

Date Started... 1965... Date Completed... 1965

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

Pumping from Flathead Lake

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

Pump

3) Depth of water table...

Does not apply

4) Use of the water...

Irrigation only

5) Amount of groundwater claimed (in miner's inches, or gallons per minute)...

40 gallons per minute

6) If used for irrigation, give number of acres and description of land...

1/2 acre

7) Estimate amount of water used each year...

Two acre feet

Signature of Owner...

William H. Cody

Date...

August 1, 1972

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.
William H. and Geraldine H. Cardon

to

The Public

Water Appropriation

STATE OF MONTANA
County of Lake

Filed on the 1 day of August, 1983

A.D. 1983

By

County Clerk and Recorder

[Signature]

Ronald J. Gade, Coordinator

[Signature]
August 24, 1972

Mr. William Cardon
250 Fairview
Missoula, Montana 59801

Dear Mr. Cardon:

The enclosed GW-3 form, Notice of Completion of Groundwater Appropriation Without Well, which was filed on August 1, 1972 in the Lake County Courthouse at Polson, Montana (document number R-L365, 204893) is not the proper form to use for filing on surface water.

The GW-3 form is intended for appropriating groundwater taken by developed springs, drains, and sub-irrigation. This does not include the pumping of water from Flathead Lake for the purpose of irrigation.

Enclosed is a form entitled, Notice of Appropriation, to be used for appropriating "surface" water, and a pamphlet on Surface Water Rights.

The validity of any water right appropriation would be questioned, since you are located within the boundaries of the Flathead Indian Reservation, although we would encourage you to file under any circumstances until proven otherwise.

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

Sincerely,

Ronald J. Cuse
Groundwater Rights Coordinator
WATER RESOURCES DIVISION

RJG/1k

Enclosures (3)