STATE OF MONTANA, 
County of Carroll.

I hereby certify that the within instrument was filed in this office on

MAY 17, 1921

at five o'clock P.M.

J. D. HENSON
County 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, as amended)

Owner: _______________ Address: _______________
Driller: _______________ Address: _______________
Date of Notice of appropriation of groundwater: _______________
Date well started: _______________ Date completed: _______________
Type of well: _______________ Equipment used: _______________
Water use: Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ]
Industrial [ ] Drainage [ ] Other [ ]

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

<table>
<thead>
<tr>
<th>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>6 ft.</td>
<td>5 1/2 in. O.D. 0.028 in.</td>
<td>D</td>
<td>70</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: $43.12$ feet.
Shut-in Pressure for Flowing Well: _______________
Pumping Water Level: _______________
Discharge in gal. per min. of flowing well: _______________

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

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

Direction of flow: _______________

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: _______________
Driller's Signature: _______________

State Engineer # 358
Driller's License Number: _______________
Driller's Signature: _______________

45317
STATE OF MONTANA, ex.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
JUN 3 1969
Data at 8:00 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By
## 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.

### 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 Information
- **Address**: 1217 Ave. B, Great Falls, MT 59401
- **File No.**: 5222
- **Date well started/completed**: Oct. 5, 1977
- **Type of well**: Drilled
- **Equipment used**: (Club drill, rotary or other)
- **Water Use**: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Garden/Lawn □
- **Description**: 
- **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

- **Use**: 9,000,000 gallon

### PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Max and Min. Depth</th>
<th>Flow Rate</th>
<th>To (Sec)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inch</td>
<td>5 1/4 in.</td>
<td>0</td>
<td>70</td>
<td>4 ft. x 4 ft.</td>
</tr>
</tbody>
</table>

- **Static Water Level**: 48 ft. from bottom.
- **Pumping water level**: 40 ft.
- **Flow**: 800 gallons per minute, measured 50 minutes after pumping began.

*Measured from ground level.*

**Well developed by**: Drilling for 2 hours.

**Power**: Pump - 20 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**: 227-10th Ave. S., Great Falls, Mont.

**License No.**: 27

**Show exact depth of bottom**: 70 ft.
STATE OF MONTANA.
County of Cascade.
I hereby certify that the within instrument was filed in this office on
06121971
at 10:30 a.m.
J. L. LENNON
County Clerk and Recorder
by R. J. BALDWIN
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: **John D. Buchanan**

Address: **2921 Cherry Drive**

**Great Falls, Montana**

Date well started: **Sept. 20, 1971**

completed **No. 6, 1971**

**Type of well**: Drilled by rotary

**Equipment used**: rotary rig

**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 (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 &amp; 3/8&quot; 6&quot; steel</td>
<td>top to bottom</td>
<td>62'</td>
<td>90'</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Top of Ground (other, above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
</tr>
<tr>
<td>23</td>
</tr>
<tr>
<td>72</td>
</tr>
<tr>
<td>72</td>
</tr>
</tbody>
</table>

**Power**: M/A. Pump 3/4 HP

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

**Well was cemented to**

**Lot 8, Block 1, Castle Heights Subdivision, Cascade County, Montana.**

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

**Driller's Signature**: *Mary Mendenhall*

**Driller's Address**: 4026 2nd Ave So.

**Fall Mont.** - LICENSE NO. 197

**91'** - Show exact depth of bottom

53,108
STATE OF MONTANA, in
County of Cascade.

I hereby certify that the within instru-
ment was filed in this office on
DEC 2 2 1872

This day
12:01 o'clock P.M.

J. L. LENNON
County Clerk and Recorder

By: [Signature]
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: John E. Buchanan
Address: 1921 Cherry Drive
Great Falls, Montana

Date well started: August 6, 1972
Completed: Sept. 16, 1972

Type of well: Drilled by rotary rig
Equipment used: rotary rig
Water Use: Domestic X Municipal Stock Irrigation Industrial Drainage Other X Garden/Lawn

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Depth of Hole</th>
<th>Top of Well</th>
<th>For (Foot)</th>
<th>To (Foot)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 and 3/8&quot;</td>
<td>6&quot;</td>
<td>Steel</td>
<td>Top to bottom</td>
</tr>
<tr>
<td></td>
<td>¼”</td>
<td>64&quot;</td>
<td>87&quot;</td>
</tr>
</tbody>
</table>

|
|--------------------------------------------------|
| Static water level: 54' above sea level.         |
| Pumping water level: 54' above sea level.        |
| at 45 gpm. measured 60 minutes after pumping began.|
| Power: M/A Pump, M/A HP.                         |
| Remarks: Gravel packing, cementing, packers, type of shutoff.|

Lot 8, Block 1, Castle NE 14 NE Sec. Lot 8

Heights Subdivision, Cascade County, Montana

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

Driller's Signature

Driller's Address

LICENSE NO.

DRILLER'S LOG

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

Top of Ground

<table>
<thead>
<tr>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>Strata</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>13</td>
<td>Sandy loam</td>
</tr>
<tr>
<td>13</td>
<td>26</td>
<td>Hard sandstone</td>
</tr>
<tr>
<td>26</td>
<td>74</td>
<td>Lime &amp; sandstone</td>
</tr>
<tr>
<td>74</td>
<td>87</td>
<td>Black sand</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

[52,169]
STATE OF MONTANA,

County of Cascade.

I hereby certify that the within instrument was filed in this office on

DEC 30 1972

12:00 P.M.

J. E. LENNON
Clerk

[Signature]
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: JOE MION
Address: Box 252, Black Eagle, Montana

Date well started: 19 Feb '72
Date well completed: 21 Feb '72

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

Top of Ground (Entries above sea level)

<table>
<thead>
<tr>
<th>Depth (Ft)</th>
<th>Top (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>10</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td></td>
</tr>
</tbody>
</table>

See 66' show exact depth of bottom

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

Driller's Signature: [Signature]
Driller's Address: 503 30th St., N.W.

LICENSE NO. 2119

65'
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. L. C. SHEFFIELD

Address
SW 1, TAVEC 5

File

Date well started 7-17-70

completed 7-20-70

Type of well Drilled by Rotary

(See: driven, bored or drilled)

Equipment used (Churn drill, rotary or other)

Water Use: Domestic X Municipal Stock 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>Name of Drilled Fluid</th>
<th>Size and Weight of Casing</th>
<th>Length of Casing (Feet)</th>
<th>Riffles</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5/8 x 200</td>
<td>90</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 30 ft.*
Pumping water level 45 ft.*
at 15 gallons per minute,
measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by
for hours.

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. 199

Show exact depth of bottom
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was recorded in this office on
JUL 27 1970
at 8:38 o'clock A.M.

J. E. ABINGTON
County Clerk and Recorder.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Owner: Henry C. Shaffner
Address: 3437 24th Ave S
At Large Mont.

Date well started: 7-17-70
Type of well: Drilled by Rotary
Equipment used: Chime drill, rotary or other
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: Not Known

<table>
<thead>
<tr>
<th>Well</th>
<th>Size of Hole (Ft.)</th>
<th>Size and Weight of Column (Ft.)</th>
<th>Fins</th>
<th>Screen</th>
<th>Blinders</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 30 ft.
Pumping water level: 15 ft.
at 15 gallons per minute, measured 60 minutes after pumping began.
*Measured from ground level.
Well developed by for ___ hours.
Power: Float 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: B. T. Hafen
Driller's Address: 4020 24th Ave So.

Show exact depth of bottom

License No.: 199
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: Williams
Address: 436-25 8th Ave. NE

Date well started: 7-29-70
Date well completed: 7-31-70

Top of Grout: 58' 5"

Type of well: Drilled

Equipment used: Rotary

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐ Industrial ☐ Drainage ☐ Other ☐ Garden/Lea. ☐

Estimate Annual Withdrawal

Perforations

Static water level: 62 ft.
Pumping water level: 15 ft.

Power Pump HP
Remarks: (Gravel packing, cementing, packers, type of shut-off)

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

Each small square represents 40 acres.

Driller's Signature: [Signature]
Driller's Address: Great Falls, Montana

LICENSE NO. 199
STATE OF MONTANA, }
County of Corson,

I hereby certify that the within instrument was filed in this office on
AUG 5, 1970

1:10 P.M.

J. E. LENNON
County Clerk and Recorder.
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: L. Williams
Address: 496-25 Rte. NE
Great Falls, Mont.

Date well started: 7-29-70
Date well completed: 7-29-70
Type of well: DRILLED
Equipment used: ROTARY

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Source of Water</th>
<th>Rate and Weight (per minute)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static water level</td>
<td>62 ft.</td>
<td>82 ft.</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>50 ft.</td>
<td>82 ft.</td>
</tr>
</tbody>
</table>

Measured from ground level; Well developed by 7-29-70 for 4 hours.
Power: P. p. 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: L. Williams
Driller's Address: 496-25 Rte. NE

County: CASCADE

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 (Feet Below Sea Level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 ft.</td>
</tr>
<tr>
<td>26 ft.</td>
</tr>
<tr>
<td>32 ft.</td>
</tr>
</tbody>
</table>

Show exact depth of bottom 47 ft.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. The Montana Power Company of 40 East Broadway Butte
   (Name of Appropriator) (Address) (Town)
   County of Cascade State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   2. The beneficial use on which the claim is based: Domestic consumption and livestock water

   3. Date or approximate date of earliest beneficial use and how continuous the use has been: 1900

   4. The amount of groundwater claimed (in miner's inches or gallons per minute). Natural spring, estimate 5 gallons per minute - 24 hours 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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1900

   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: 3,000,000 gallons

   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.

   Spring located on hill side, comes out from under sand stone layer

   (CORPORATE SEAL) THE MONTANA POWER COMPANY
   ATTEST: Its Secretary
   Signature of Owner
   Vice President
   Date: February 1, 1962

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

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

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

Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 7-1-1943
Owner: Address:
Contractor (if any): Address of Contractor:
Date Started: Date Completed:

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

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

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

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

Signature of Owner (if any) Date: 5-9-1943

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 Appraiser.
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
Dwain D. Hartman

Address
Route 1
Bag 979

Date well started
Oct 25

completed
Nov 3

Type of well
Drilled

Equipment used
Rotary

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

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Indicated Water</th>
<th>Use and Weight of Carrier</th>
<th>Flow Rate</th>
<th>Pressure</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>578</td>
<td></td>
<td>0</td>
<td>210</td>
<td></td>
</tr>
</tbody>
</table>

Static water level...
Pumping water level...

*Measured from ground level.

Well developed by...

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

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

Driller’s Signature

Driller’s Address
STATE OF MONTANA, ea.
County of

I, hereby certify that the within instrument was filed in this office on

DEC 1 1970

at 11:00 o'clock A.M.

J. L. LENTON
County Clerk and Recorder

By: ____________________________
**Notice of Completion of Groundwater Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

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

**Owner:** Chuck Henry  
Address: Lead Tails, Mont.

**Driller:** Thomas B. Franklin  
Address: Lead Tails, Mont.

**Date of Notice of appropriation of groundwater:** May 21, 1972

**Date well started:** May 20, 1971  
**Date completed:** May 25, 1971

**Type of well:** Dug  
**Equipment used:** (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 to 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 Met With</th>
<th>Character</th>
<th>Thickness</th>
<th>Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>50'-110' Black Shale</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>110'-145' Shale</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>145'-216' Sandstone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>216'-272' Shale</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing well:** 60 feet.

**Shut-in Pressure for Flowing Well:** None.

**Pumping Water Level:** 125 feet at 15 gal. per minute.

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

**How Tested:** Bailie

**Length of Test:** 2 hrs

**Remarks:** (Gravel packing, cementing, packers, type of shutoff) None.

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

**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).**

**Water Earning Directive:** Used also for irrigation of said lot or lots of...  

**Remarks:** (Continue on reverse side)

**Driller's License Number:**

**Driller's Signature:**

**County Clerk and Recorder in the county in which the well is located, tissue copy to be retained by driller.**

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.
STATE OF MONTANA.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

JUN 3, 1971
3:48 P.M.

J. L. LEMMON
County Clerk and Recorder.

By: [Signature]
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**
Duane Olson

**Address**
2726-3rd St

**Date well started**
Oct 1 1970

**Date well completed**
Oct 10 1970

**Type of well**
DRILLED

**Equipment used**
ROTARY

**Water Use**
X Domestic

**Description**

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>Enters</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
</tr>
<tr>
<td>To</td>
</tr>
<tr>
<td>Feet</td>
</tr>
<tr>
<td>Feet</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>5</th>
<th>4</th>
</tr>
</thead>
</table>

**Static water level**
162 ft

**Pumping water level**
168 ft

at 15 gallons per minute measured 5 minutes after pumping began.

*Measured from ground level. Well developed by man for 8 hours.

Power: Pump: HP

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

**INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE. EAC...SQUARE REPRESENTS 40 ACRES.**

Driller's Signature

Driller's Address

LICENSE NO.

Show exact depth of bottom
STATE OF WASHINGTON
County of Clark

I hereby certify that the within instrument was filed in this office on
DEC 4, 1970
Date
at 10:55 o'clock A.M.

J. L. LENNON
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: Leslie B. and Carol S. Smith
Address: P.O. Box 1452
Great Falls, Mont. 59403
Date well started: 5-1-71
completed: 5-7-71

Type of well: Rotary Drilled
Equipment used: (Churn 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

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and ( \text{Cft}^2 )</th>
<th>Flow ( \text{gpm} )</th>
<th>To Deep (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5( \frac{5}{8} )</td>
<td>4&quot;</td>
<td>0</td>
<td>85</td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Kind</th>
<th>Flow ( \text{gpm} )</th>
<th>To Deep (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>65</td>
<td>85</td>
</tr>
<tr>
<td>5</td>
<td>11</td>
<td>Holes</td>
</tr>
</tbody>
</table>

Static water level: \( 5\frac{1}{2} \) ft.*
*Measured from ground level.
Pumping water level: \( 5\frac{1}{2} \) ft.*
at \( 12 \) gallons per minute,
metered \( 60 \) minutes after pumping
began.
Pump: \( 1 \) 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 Address: Larry Nedinball
Driller’s Signature: ________________________

Show exact depth of bottom

LICENSE NO. 199
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: Leslie H. & Carol S. Smith
Address: P.O. Box 1482
Great Falls, Mont. 59402

Date well started: 5-1-71
Completed: 5-7-71

Type of well: Refery, Drilled

Equipment used: (Check 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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Pressure (Feet)</th>
<th>Rial (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 1/4</td>
<td>11</td>
<td>0</td>
<td>85</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>W</td>
<td>4</td>
</tr>
</tbody>
</table>

Static water level: 4 1/2 ft.

Pumping water level: 6 1/2 ft.

at 12 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by:

Power: Pump: 1/2 HP

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

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

Driller's Signature: Lewis R. N. Smith
Driller's Address: 4026 1st Ave. So

Show exact depth of bottom.
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: John Doe
   Address: 123 Main St.
   Town: City of Helena

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 15 Gallons

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: 1935

8. The depth of water table: 7 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: 1,500 Gallons

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: John Doe
   Date: 6-17-1963

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

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

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

I hereby certify that the within instrument was filed in this office on

DEC 23 1953

at 10 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

[Signature]

[Notary]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL DEVELOPMENT

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: Morton Odgen
Address: Simms, Mont.

Date well started: 8-20-1970; completed: 8-26-1970

Type of well: Drilled

Equipment used: Churn Drill

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

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

**USE: If used for irrigation, industrial, drainage or other.

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

Driller's Signature

Driller's Address: Great Falls, Mont.

LICENSE NO. 135

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 10</td>
<td>Hard Rock</td>
</tr>
<tr>
<td>10 40</td>
<td>Triassic Sand Rock</td>
</tr>
<tr>
<td>40 75</td>
<td>Dark Gray shale</td>
</tr>
<tr>
<td>75 98</td>
<td>Hard Greenish gray</td>
</tr>
</tbody>
</table>

Rock with water at 32'-60' below 25'-29'

Static water level: 75 ft.
Pumping water level: 95 ft.

Power: Pump: HP

Remarks: (Gravel packing, cementing, packers, type of shut off)
STATE OF MONTANA, ss.
County of Cascade.

I hereby certify that the within instrument was filed in this office on

JUN 9, 1977
at 9:45 a.m.

J. L. LENNON
County Clerk and Recorder

By: J. V. Wilson
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam Bremerson</td>
<td>P.O. Box 1234</td>
<td>L.M. Frankel</td>
<td>621 5th St</td>
<td>Nov. 1, 1957</td>
<td>Dec. 1, 1957</td>
</tr>
</tbody>
</table>

**Location:** Sec. 36, T. 26, R. 56, E. 1 sec.

**Type of well:** Drilled

**Equipment used:** Hand tools

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

**Casing:**
- Top: 0 ft to 30 ft  Type: Dia. 6 in  Size: 6 in.
- Bottom: 30 ft to 60 ft  Type: Dia. 6 in  Size: 6 in.

**Perforated or Screened:**
- Top: 0 ft to 30 ft  Size: 6 in.
- Bottom: 30 ft to 60 ft  Size: 6 in.

**Static Water level:** 40 ft

**Shut-in pressure:** 10 lb/sq. in. on: (date)

**Pumping water level:** 24 ft  feet at 15 gal. per min.

**How tested:** [ ]

**Length of test:** 1 hr

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

- 3% line casing driven in hard sandstone.

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>10 ft</td>
<td>10 ft.</td>
</tr>
<tr>
<td>20 ft.</td>
<td>30 ft.</td>
</tr>
<tr>
<td>30 ft.</td>
<td>40 ft.</td>
</tr>
<tr>
<td>69 ft.</td>
<td>Total depth of well</td>
</tr>
<tr>
<td>70 ft.</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Smokey Dakota
Address: East Falls, Mont.

Driller: Thomas R. Franklin
Address: East Falls, Mont.

Date of Notice of Appropriation of groundwater: Aug. 16, 1962
Date well started: Oct. 15, 1969...Date completed: Oct. 20, 1969

Type of well: Drilled
Equipment used: Cable Hoist
(Dug, driven, bored or drilled)
(Chimney drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inches</td>
<td>6&quot; 2.8</td>
<td>Surface 142</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

12 feet...

Shut-in Pressure for Flowing Well: None...

Pumping Water Level: 6...

at 30 gal. per minute.

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

How Tested: Drilled...

Length of Test: 6 hrs.

Remarks: (Gravel packing, cementing, pack-

ers, type of shutoff) None...

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, THREE 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
STATE OF MONTANA
County of Clark

Hereby certify that the herein attached and authenticated.
May 11, 1971

[Signature]
Deputy

[Signature]
County Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER:

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

I, Mary Callahan
of Rte. 1, Box 80
Granite Falls, 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... household & irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been... 1927, and is used constantly since prior date

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... means is with a jet electric one horse pump... 30 feet from S. 40 corner of dwelling

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1927, month unknown... Rendering & despoiling... November 1962... (33ft)

8. The depth of water table... 50 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater... Original well casing 6 inches. Dept of...

10. The estimated amount of groundwater withdrawn each year... 3,000,000 gal

11. The log of formations encountered in the drilling of each well if available... 0 ft. to 15 ft. Sandy silt... 15 ft. to 30 ft. Silt... 30 ft. to 35 ft. Water... 35 ft. to 45 ft. Sandy silt... 45 ft. to 131 ft. Silt... 131 ft. to 214 ft. Sand & gravel... 214 ft. to 283 ft. Sand & gravel

12. Such other information of a similar nature as may be useful in carrying out the policy of this act... record prior to this date... December 9, 1963

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

Signature of Owner: Mary Callahan
Date: December 9, 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.
STATE OF MONTANA

County of Chouteau

I hereby certify that the within in
the name of

DEC 10 1953

A. J. Rodgers
District Clerk of Court

R. B. Wilson
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 217, Montana Session Laws, 1961)

Owner: 
Address: 

Driller: 
Address: 

Date of Notice of Appropriation of Groundwater: 

Date well started: 
Date Completed: 

Type of well: 
Equipment Used: 
(dug, driven, bored or (Churn, drill, rotary or drilled)

Water Use: 
Domestic 
Municipal 
Irrigation 
Stock 

Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, 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 Cutting</th>
<th>Front (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7'</td>
<td>20 lbs</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 

Shut-in Pressure for Flowing Well: 

Pumping Water Level: 
feet at gal. per minute.

Discharge in gal. per min. of flowing well: 

How Tested: 
Length of Test: 

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)

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

Show exact depth of bottom.

Driller’s License Number

Driller’s Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA,
County of Cascade.
I hereby certify that the within instrument was filed in this office on
JUL 1 1966
Date
at 10:00 o'clock A.M.
J. L. LENNON
County Clerk and Recorder.

By ____________________________
Deputy.
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Owner: **Home Chamberlin**  
Address: **Great Falls, Mont.**

Driller: **Thomas A. Franklin**  
Address: **Great Falls, Mont.**

Date of Notice of Appropriation of Groundwater: **Oct. 20, 1963**

Date well started: **Oct. 24, 1963**  
Date Completed: **Nov. 3, 1963**

Type of well: **Drilled**  
Equipment Used: **Cable tools**

Water Use:  
- Domestic [ ]  
- Municipal [ ]  
- Other [ ]  
- Irrigation [X]
- Industrial [ ]  
- Drainage [X]  
- 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 Cable</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 5/8</td>
<td>64 1/8</td>
<td>top</td>
<td>25</td>
</tr>
<tr>
<td>20 lbs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8 ft.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: **70**

Shut-in Pressure for flowing Well: ____________________________

Pumping Water Level: **95** feet at **12** gal. per minute.

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

How Tested: **Railer**  
Length of Test: **2.8 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.

![Diagram showing well depth and strata](image)

Driller’s License Number: **84**

Driller’s Signature: **Thomas A. Franklin**

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, \nCounty of Cascade.

Depository of the within instrument was filed in this office on
DEC 16 1963
at 10:00 o'clock A.M.

J. L. LENNON
County Clerk and Recorder.

By. _______________ Deputy.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. 
   Name of Appropriator: ________________
   Address: ________________
   Town: ________________
   County of: ________________
   State of: ________________

2. The beneficial use to which water is to be applied is: ________________

3. The rate of use in gallons per minute or miner's inches of groundwater claimed: ________________

4. The annual period (inclusive dates) of intended use: ________________

5. The probable or intended date of first beneficial use: ________________

6. The probable or intended date of commencement and completion of the well or wells: ________________

7. The location, type, size and depth of well or wells contemplated: ________________

8. The probable or estimated depth of the water table or artesian aquifer: ________________

9. Name, address and license number of the driller engaged: ________________

10. Give such other similar information as may be useful in carrying out the policy of this act: ________________

   Signature of Appropriator: ____________________
   Date: ________________

   As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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 Appraiser.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963

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

Owner: Chamberlin Co. Address: Great Falls, Mont.

Driller: Thomas B. Franklin Address: Great Falls, Mont.

Date of Notice of appropriation of groundwater: July 10, 1969

Date well started: Aug. 1, 1969 Date completed: Aug. 15, 1969

Type of well: Drilled Equipment used: Table Tools

(Dug, driven, bored or drilled) (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 Bore Hole</th>
<th>Size and Weight of casing</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>7½&quot;</td>
<td>8 x 10 lbs.</td>
<td>0 ft</td>
<td>10 ft</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 150 feet.

Shut-in Pressure for Flowing Well: None

Pumping Water Level: 8.5 feet

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

How Tested: Bailey

Length of Test: 1 hr.

Remarks: (Gravel packing, cementing, packers, type of shutoff) None

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

54.140, Sec. 36, T.29N., R.5E.

(Continue on reverse side)
STATE OF MONTANA, Jan.
County of Cascade.
I hereby certify that the within instrument was filed in this office on
DEC 23 1969

Date
at 12:30 o'clock P M

J. L. LENNON
County Clerk and 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. **(Name of Appropriator)**
   - Address: (Address)
   - Town: (Town)

   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: ________________________________
      - Some field, and irrigation

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

   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:
      - Garden, Lawn, Pasture, 1 1/2 acres

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

   7. The date of commencement and completion of the construction of the well, walls, or other works for withdrawal of groundwater: 1950

   8. The depth of water table: 45 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: 187 ft. deep

   10. The estimated amount of groundwater withdrawn each year: ________ in gallons, 7,400,000

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

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

   Signature of Owner: ____________________________
   Date: ____________________________

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

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

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

28296
STATE OF MONTANA, Vs.
County of Cascade.
I hereby certify that the within instrument was filed in this office on
Oct. 14, 1894.

at 10:48 A.M.

By J. H. Chamberlain

Suid. 1
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF THE ENGINEER

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

1. Frank V. Daniels, of Rte #1, Box #53, Great Falls
   (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: **Home Use and Garden**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **Aug. 20, 1933**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **12 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:
   **House - Yard - Garden**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   **Well**
   **Location**
   **1.99 Acres**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   **Aug. 16, 1953**

8. The depth of the water table:
   **20' from top of ground**

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:
   **Well**
   **Depth**
   **110'**

10. The estimated amount of groundwater withdrawn each year:
    **2,560,000 gallons**

11. The log of formations encountered in the drilling of each well if available:
    **0-14' Loose Sand - 14' 20' Gravel Sand - 20' 30' Silts - 87' to 100'**
    **Gravel & Sand - Gravel 100' to 110'**
    **Yellow Sands - Water 10'**

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:
    **Report to State Engineer**

Signature of Owner: **Frank V. Daniels**
Date: **Dec. 16, 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 Cascade.

I hereby certify that the within instrument was filed in this office on
DEC 16 1963

at 11:00 o'clock A.M.

J. L. VANSSON
County Clerk and Recorder.

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

1. Donovan Park Youth and Community Center of Great Falls, Montana
   (Name of Appropriator)
   (Address)
   (Town)

   County of Cascade
   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: dug well for domestic use of water for irrigation of grounds.

   3. Date or approximate date of earliest beneficial use: April 1963; continuous since then.

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

   Donovan Park—Addition to Great Falls, Cascade County, Montana.

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

   dug well—electric jet pump.

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

   8. The depth of water table: 24 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: dug well.

   10. The estimated amount of groundwater withdrawn each year: 200,000 gallons per year.

   11. The log of formations encountered in the drilling of each well if available: 20 ft. of sand, 4 ft. of blue clay and sand.

   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: Recorded December 30, 1963.

   Signature of Owner
   Donovan Park Youth & Community
   Date December 30, 1963

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

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

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

County of Cascade

I hereby certify that the within instrument was filed in the office of

DEC 31, 1960

at 1:12

J. L. HUNT

County Clerk and Recorder

By ______________________________

Dipta
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

Donovan Park Youth and
Owner: Community Center
Address: 827 10th Ave. S.W.

Date of Notice of appropriation of groundwater: March 2, 1968
Date completed: March 8, 1969

Type of well: Drilled
Equipment used: Churn drill, rotary or 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 Well Drilled</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>Size</th>
<th>From</th>
<th>To</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>5½” O.D. Black Iron 14 lbs per ft</td>
<td>0</td>
<td>198</td>
<td>Casing</td>
<td>driven</td>
<td>end into</td>
<td>gravel</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well...

Shut-in Pressure for Flowing Well...

Pumping Water Level...

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

How Tested: Bailer...

Length of Test...

Remarks: (Gravel packing, cementing, packers, type of shoe(s)...5 ft...gravel...

placed in bottom of casing...

for filter...

(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).

Public Use...

---

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

Driller’s Signature

11/4/12
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
OFFICE OF STATE ENGINEER

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

1. John L. Earl of Fort Hill, Great Falls
   (Name of Appropriator) (Address)
   County of Cascade 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: Home Gardening

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: Aug 30, 1959

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 129 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:
      63.42 acres, Black Bow lands, Section 36 T. 20 N. 3 East

   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: Aug 3, 1959
      Complete: Aug 30, 1959

   8. The depth of water table: 65 ft. from top

   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:
      Type: Black Bow
      Size: 2-11 ft.

   10. The estimated amount of groundwater withdrawn each year: approx. 28,000 gal. per yr.

   11. The log of formations encountered in the drilling of each well if available:
      0-13: Gravel sand
      13-20: Quick sand
      20-23: Silt

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


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

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

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

12/1/62
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Wm. B. Finley, Jr. and
Iola B. Finley (hus. & wife) of Rural route No. 1, Great Falls
(Name of Appropriator) (Address) (Town)

County of Cascade State of Montana

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

2. The beneficial use on which the claim is based Domestic household, stockwater, irrigation, farming.

3. Date or approximate date of earliest beneficial use, and how continuing the use has been March 15, 1948. Since 1948, continuing use hereafter.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 105 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 owner thereof: three to six and one-half acres. Gardner, 3rd, 1/4, sec. 18, T. 35 N., R. 64 W., Cascade Co.

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


8. The depth of water table Sixty (60) feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well, 8" to 50' and (5) 80 ft. deep; and one well inclined to 60 ft. Well fully cased with 3 1/2 ft. casing coming from surface to 60 ft.

10. The estimated amount of groundwater withdrawn each year 200,000 gallons.

11. The log of formations encountered in the drilling of each well if available: Lava to 22 ft. sand; 22 to 6 ft. quicksand and sand; 6 to 60 ft. gravel.

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: Wm. B. Finley, Jr. and Iola B. Finley
Date May 10, 1968

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, jfl.
County of Cascade.

I hereby certify that the within instrument was filed in this office on
MAY 9 - 1962

9:30 a.m.

J. L. LENNON
County Clerk and Recorder.

Deputy.