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 Approprietor) (Address) (Town)

County of
State of

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

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:
Date:

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

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

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

Filed 12-30 1963  
at 1:05  

Earl Walton  

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—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 Earn A. & Edith Backman
Address Rte 1—Box 211
Bosman, Montana
Date well started Aug. 30, 1972
completed Sept. 6, 1972

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 Well</th>
<th>Size and Weight of Casing</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>TYPE OF WELL</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8</td>
<td>11/2&quot;</td>
<td>68&quot;</td>
<td>Drilled</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kind of Casing: From (ft)</td>
</tr>
<tr>
<td>68&quot;</td>
</tr>
</tbody>
</table>

Static water level 13 ft.
Pumping water level 68 ft.
at 18 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

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

Lot 14 A, Valley Center Subdiv.
Lot 1/2 A NW 1/4 Sec. 27
Town 15 R 105 E

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

Driller's Signature: Miller E. Jones
Driller's Address 2103 Bridger Ave.

Bozeman, Montana LICENSE NO. 17

County: Gallatin

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>6 Top Soil</td>
</tr>
<tr>
<td>4</td>
<td>60 Sand, Clay &amp; Gravel</td>
</tr>
<tr>
<td>50</td>
<td>60 Sand &amp; Gravel</td>
</tr>
<tr>
<td>60</td>
<td>65 Sand</td>
</tr>
<tr>
<td>65</td>
<td>65 Sand &amp; Fine Gravel</td>
</tr>
</tbody>
</table>

68" Show exact depth of bottom
State of Montana \\
County of Gallatin \\
Filed ___________________ 1973 \\
at _______ 8:00 clock A.M. \\
           Carl of Stocky \\
           Carl of Stocky \\
           Alt. Aigan \\
           2 & 2d
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: Guy A. & Darlene J. Bettis
Address: Route 1, Box 255, Bozeman, Mont. 59715

Date well started: Oct. 1, 1972
Completed: Oct. 16, 1972

Type of well: Drilled
(Dig, drive, bored or drilled)

Equipment used: Churn Drill

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 Casings</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8 x OD x 17# above ground</td>
<td>67½</td>
<td>67½</td>
<td>---</td>
</tr>
</tbody>
</table>

Static water level: 18 ft.
Pumping water level: 67½ ft.
at 20 gallons per minute, measured 75 minutes after pumping began.

*Measured from ground level.
Well developed by Pump for 12 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: 2103 Bridger Drive, Bozeman, Montana

County: Gallatin

Top of Ground: (Elev. above sea level)

<table>
<thead>
<tr>
<th>From (Ft)</th>
<th>To (Ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 2</td>
<td>Top Soil</td>
</tr>
<tr>
<td>2 45</td>
<td>Sand &amp; Gravel</td>
</tr>
<tr>
<td>45 63</td>
<td>Sand, Gravel &amp; Clay</td>
</tr>
<tr>
<td>63 67½</td>
<td>Sand &amp; Fine Gravel</td>
</tr>
</tbody>
</table>

Show exact depth of bottom: 67½
#3187

State of Montana
County of Gallatin ss.
Filed February 29, 1972
at 8:30 o'clock A.M.
Carl E. Stucky
County Clerk & Recorder
By: [Signature]

Fee $2.00
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator (Address) (Town) of County of State of Montana intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

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 .

* As defined in the Code Sec. 1. (e) “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 School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA,
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. [Name of Appropriator] (of Pte 1, Bozeman, County of Gallatin, State of Montana) intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

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: 1200 gallons per minute

4. The annual period (inclusive dates) of intended use: June 1 to Sept 30

5. The probable or intended date of first beneficial use: 1965

6. The probable or intended date of commencement and completion of the well or wells: 1965

7. The location, type, size and depth of well or wells contemplated: Depth about 10 or 12 feet

8. The probable or estimated depth of the water table or artesian aquifer: 20 feet

9. Name, address and license number of the driller engaged: none engaged

10. Give such other similar information as may be useful in carrying out the policy of this act: Water will be pumped to supplement present surface supply which is deficient in latter part of summer.

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 School of Mines and quadruplicate for the Appropriator.

Signature of Appropriator: [Signature]

Date: 1-17-1962
Declaration of Vested Groundwater Rights

(State of Montana)

Office of the State Engineer

Declaration of Vested Groundwater Rights

Under Chapter 237, Montana Session Laws, 1961

(Name of Appropriator) (Address) (Town)

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

1. The beneficial use on which the claim is based: Used for

2. Date or approximate date of earliest beneficial use; and how continuous the use has been before 1915: Continuous for Domestic use for livestock and licit irrigating

3. The amount of groundwater claimed: 100 gallons per minute

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

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

6. Sec. 27, T. 13, R. 5 E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 2-2-1915

8. The depth of water table: 15 feet Higher in early spring

9. The log of formations encountered in the drilling of each well: Not available

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

11. The date of 3-31-63

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER COD-RESOURCES BOARD
MONTANA DEPARTMENT OF
WATER RESOURCES AND CONSERVATION

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 driller 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: Michael P. & Randi A. OTTARO
Address: "806 W. 6th Ave., Bozeman, Mont. 59715"

Date well started: Sept 28, 1971
Date well completed: Oct 5, 1971

Type of well: Drilled
Equipment used: Chuar. Del.

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).

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

Lot 2, Valley Center Subdiv.

Driller's Signature: ____________________________
Driller's Address: ____________________________

Top of Ground (feet above sea level)

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Depth (Feet)</th>
</tr>
</thead>
</table>
| 0 | 5 | Top of Valley
| 5 | 3 | Sand & Gravel
| 11 | Top of Water Level
| 16 | 14 | Gravel with Clay
| 20 | 10 | Sand & Gravel
| 30 | 7 | Sand & Gravel with Clay
| 75 | 7 | Sand & Gravel

Static water level: 11 ft.
Pumping water level: 78 ft.

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

License No.: 11

Show exact depth of bottom
State of Montana
County of Gallatin
Filed June 7, 1972
at 9:25 a.m.

Carl T. Shooby
County Clerk & Recorder

By

Recl'd

Deputy

Fee $ 20.00
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: Johnny Gardner
Address: Bozeman, Montana

Date well started: Oct. 22, 1970
Completed: GW 1

Type of well: Drilled
Equipment used: Cable tool

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).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Rin of Drilled Hole</th>
<th>Rin and Weight of Casing</th>
<th>Pumping water level</th>
<th>Kind</th>
<th>Start</th>
<th>Finish</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'</td>
<td>17'9'</td>
<td>21'5'</td>
<td>60'6'</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 21'5'
Pumping water level: 21'5' at 35 gallons per minute,
measured 5 minutes after pumping began.
*Measured from ground level.

Well developed by Pump P for 1 hours.

Power: Pump 100 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: Hafer Potts
Driller's Address: Route 1, Bozeman, Montana
LICENSE NO. 150

Top of Ground (ft. above sea level)

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topsolls</td>
</tr>
<tr>
<td>3</td>
<td>Dirty, coarse sand, gravel</td>
</tr>
<tr>
<td>24</td>
<td>Dirty sand &amp; gravel</td>
</tr>
<tr>
<td>28</td>
<td>Sand, silty water level</td>
</tr>
<tr>
<td>30</td>
<td>Clay, silt and gravel</td>
</tr>
<tr>
<td>50</td>
<td>Gravel</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

Date of Permit: 1971
State of Montana  
County of Gallatin  

Filed: June 17, 1971  
at 3:35 o'clock P.M.  

Carl P. Stacey  
County Clerk & Recorder  

By  
Deputy  

Fee $2.00  

2346
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.

GATES
Owner: Percy & Dorothy J.
Address: Route 1, Box 231B
Bozeman, Mont. 59715

Date well started: Sept 1970
Date completed: Oct 1970

Type of well: drilled
Equipment used: cable tool
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 Depth of Hole</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>19 15</td>
<td>4 6</td>
<td>1 0</td>
<td></td>
</tr>
</tbody>
</table>

Static water level ______ ft. Pumping water level ______ ft. at ______ gallons per minute measured ______ minutes after pumping began.

*Measured from ground level.
Well developed by ______ for ______ hours.
Power ______ Pump ______ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Lot 5, Valley Center Subdiv.
T 14 N R 5 E

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

Driller's Signature: Harold B. Nelson
Driller's Address: 3020 Montana Way, Bozeman, Montana

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.

Top of Ground (El. above sea level)

<table>
<thead>
<tr>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>Elevation</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>6</td>
<td>1,111</td>
</tr>
<tr>
<td>6-10</td>
<td>19</td>
<td>clay &amp; gravel roof</td>
</tr>
<tr>
<td>18-20</td>
<td>sand &amp; silt</td>
<td></td>
</tr>
<tr>
<td>20-24</td>
<td>sand &amp; gravel</td>
<td></td>
</tr>
<tr>
<td>24-32</td>
<td>sand &amp; gravel linoleum</td>
<td></td>
</tr>
<tr>
<td>30-40</td>
<td>sand &amp; gravel</td>
<td></td>
</tr>
<tr>
<td>40-64</td>
<td>sand &amp; gravel &amp; little water</td>
<td></td>
</tr>
<tr>
<td>44-45</td>
<td>Chalk sand &amp; silt</td>
<td></td>
</tr>
<tr>
<td>45-60</td>
<td>gravel</td>
<td></td>
</tr>
<tr>
<td>60-65</td>
<td>sand &amp; gravel</td>
<td></td>
</tr>
<tr>
<td>66-70</td>
<td>Chalk sand &amp; silt</td>
<td></td>
</tr>
<tr>
<td>71-75</td>
<td>Gravel &amp; gravel</td>
<td></td>
</tr>
</tbody>
</table>

Show exact depth of bottom

47
# 2352

State of Montana
County of Gallatin

Filed: February 24, 1971
at 10:30 o'clock P.M.

County Clerk & Recorder

By: Ada M. Whiteman
Deputy

Fee $ 20.00
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: Glen Hartgrove
Address: Rt. 1, Boxman

Date well started: April 25, 1972
Date completed: April 30

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

| Size of | Shape and Weight of | From (Ft) | To (Ft) |
| Drilled | Cutting | | |
| 6" | I3 | L3 | 0 | 130 |

PERFORATIONS

N
W
E
S

Static water level... 5... ft.*
Pumping water level... 40... ft.*
measured 30... minutes after pumping
began.

Power... Pump... 30... 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: Harold P. Hiltz
Driller’s Address: Route one, Box 220, Farm

Show exact depth of bottom

County Ballatin 27

Top of Ground (Ft. above sea level) 4000

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3.5</td>
</tr>
<tr>
<td>3.5</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>60</td>
</tr>
<tr>
<td>60</td>
<td>63</td>
</tr>
<tr>
<td>63</td>
<td>105</td>
</tr>
<tr>
<td>105</td>
<td>230</td>
</tr>
</tbody>
</table>
State of Montana  
County of Gallatin  

Filed: June 16, 1973  
At 2:31 P.M.  

County Clerk & Recorder  

Clara M. Whiting  
Deputy  

300 P.A
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 Glen Hardgrove

Address 211 T. Roseman

Date well started June 3, 1973

Date well completed June 7

Type of well drilled (D, driven, bored or drilled)

Equipment used rotary (Chers 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>From (Ft)</th>
<th>To (Ft)</th>
<th>KINDS OF PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>3/2&quot;</td>
<td>0</td>
<td>130</td>
<td></td>
</tr>
</tbody>
</table>

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

Driller's Signature: David L. Halbert

Driller's Address: Route 1, Byers, MT

Halbert Drilling LICENSE NO. 47
County of Gatte

Filed: 15-7-3
at 9:35 A.M.

County Clerk & Recorder
By: [Signature]

Fee $5.00
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, state otherwise.

Owner

Date well started June 17, 1970
Completed June 30, 1970

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

Estimate Annual Withdrawal

<table>
<thead>
<tr>
<th>Use of Water</th>
<th>% of Total Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>50%</td>
</tr>
<tr>
<td>Irrigation</td>
<td>50%</td>
</tr>
</tbody>
</table>

Perforations

<table>
<thead>
<tr>
<th>Depth (Ft)</th>
<th>1/2</th>
<th>1/2</th>
<th>1/2</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>To</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 25 ft
Pumping water level: 45 ft

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

Driller's Address

Driller's Signature

License No.

Show exact depth of bottom
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: Donald E. Hulet
Address: Rosevelt, Montana
Location: T. 15 R. 8 Sec. 27
Document No.: 2310

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

X 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.

Sm. 14 R. 8 W. 1/4 Sec. 27
T. 15 N. R. 8 E
S
W

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

Driller's Signature: [Signature]
Driller's Address: 2103 Bridge Dr. Bozeman
License No.: 17

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

Show exact depth of bottom
Form to be prepared by driller, and three copies to be filed by the owner with the County Clerk and Recorder in the county in which the well is located, last copy to be retained by driller.

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

**Owner:**

- **Name:**
- **Address:** Bozeman, Mont.

**Date well started:** June 17, 1970
**Date well completed:** June 23, 1970

**Type of well:** Ground

**Equipment used:** Chuck Drill

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

**Describe USE:** if used for irrigation, industrial, drainage or other explain:

- Use number of acres and location or other data (e.g., Lot, Block and Addition):

**Estimated Annual Withdrawal:** 40,000 Gals.

**Perforations:**

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft</td>
<td>60 ft</td>
<td>0 ft</td>
<td>46 ft</td>
</tr>
</tbody>
</table>

**Static water level:** 23 ft

**Pumping water level:** 14 ft

*Measured from ground level (if developed by drilling for 2 hours)

**Power:** 1 HP

**Remarks:** Gravel packing, cementing, packer, type of shutoff

**Top of Ground:**

<table>
<thead>
<tr>
<th>From (ft)</th>
<th>To (ft)</th>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4</td>
<td>4.5</td>
<td>25</td>
</tr>
</tbody>
</table>

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

**Driller’s Signature:**

**Driller’s Address:** 503 Broadway, Bozeman, Mont.

**License No.:** 417

Snow exact depth of bottom.
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.

Ivy Lavender
Owner
Raymond P. Lavender
Address
Ete 4 - Box 30

Date well started: July 5, 1970
Date completed: July 9, 1970

Type of well: Drilled
Equipment used: Cable tool

Water Use: Domestic [X] 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 Depth of Cutting</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>502 ft 6 ft</td>
<td>1 ft 6&quot;</td>
<td>in above</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level: 5 ft.
Pumping water level: 40 ft.

*Measured from ground level.

Well developed by... for... hours.
Power: 25/2 HP Drumb... 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: Route One, Bozeman, Montana

Fullerton Drilling LICENSE NO. 47
State of Montana
County of Gallatin ss.

Filed June 12, 1973 at 8:40 o'clock A.M.

Carl S. Stucky
County Clerk & Recorder

By: [Signature]

Fees $25.00
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 May lee l. Evans
Address P.O. Box 926
Bozeman, Montana
Date well started May 6, 1971

Top of Ground (Elv. above sea level)

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>None</td>
</tr>
</tbody>
</table>

Type of well Drilled
Equipment used cable tool
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).

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

Driller's Signature
Driller's Address Rt one Bozeman, Montana

Hulbert Drilling
LICENSE NO. 47

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.

Top of Ground (Elv. above sea level)

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level 12 ft.
Pumping water level 25 ft.
at 20 gallons per minute, measured 15 minutes after pumping began.

*Measured from ground level.
Well developed by pump for 5 hours.
Power: 3/4 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 Rt one Bozeman, Montana

Hulbert Drilling
LICENSE NO. 47

53,537
State of Montana  
County of Powell  
Filed June 13, 1973 
at 10:00 A.M.

County Clerk's Records  
By J. Bridger  
Fee $7.00
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: Robert J. MURFITT
Address: Route 1, Box 254
Boxman, Mont. 59715

Date well started: April 5, 1973
Date well completed: April 10, 1973

Type of well: Drilled
Equipment used: Dredge 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 (e.g., lot, block and addition).

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

Lot 11-8, Valley Center Subdiv.

Driller's Signature: 
Driller's Address: 
License No.: 

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.

Top of Ground (G.m. above sea level)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>25</td>
</tr>
<tr>
<td>25</td>
<td>53</td>
</tr>
<tr>
<td>53</td>
<td>58</td>
</tr>
<tr>
<td>58</td>
<td>63</td>
</tr>
</tbody>
</table>

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

Lot 11-8, Valley Center Subdiv.

Driller's Signature: 
Driller's Address: 
License No.: 

Show exact depth of bottom.
State of Montana
County of Gallatin

Filed: June 3, 1973
at 10:36 o'clock A.M.

Clerk of Court

By

Fee $ .
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

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

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

For Administrator's Use

Owner: Makkory, Francis L. & Betty L. Suh
Address: 501 W. Pesche, Bozeman, Mont. 59715

Contractor (if any)
Address of Contractor
Date Started
Date Completed

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

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

3. Depth of water table Unknown

4. Use of the water Irrigation and Stock Water

5. Amount of groundwater claimed (in miner's inches or gallons per minute) Up to 100 GPM

6. If used for irrigation, give number of acres and description of land. 10 Acres Pasture Hay, Loomis Ground

7. Estimate amount of water used each year 50 Tons

8. Months of year spring flows 12 Months

Signature of Owner

Date 6-14-73
State of Montana
County of Gallatin
Filed June 14, 1973
at 10:05 o'clock A.M.

C ert 3.  

County Clerk & Recorder
By: 

Fee $2.00 paid
**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**

J. C. Jones

Address: 103 S. 8th Ave

City: Bozeman, Mont

Date well started: Oct. 30, 1971

Date well completed: Oct. 35, 1971

**Type of Well:** Drilled

**Equipment used:** Churn Drill

**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**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Diameter Weight of Casing</th>
<th>Perforation</th>
<th>Kind Use</th>
<th>From (ft)</th>
<th>To (ft)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; 0.24&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Remarks:**

Power Pump—5 HP
Remarks: (Gravel packing, cementing, packers, type of shut-off)

**Static water level:** 14 ft.

**Pumping water level:** 58 ft.

at 1500 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by Bailer for 1 hours.

**Top of Ground:**

<table>
<thead>
<tr>
<th>Top of Ground (Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. Top Soil</td>
</tr>
<tr>
<td>3 ft. Sand, Gravel &amp; Clay</td>
</tr>
<tr>
<td>14 ft. Static water level</td>
</tr>
<tr>
<td>45 ft. Clay</td>
</tr>
<tr>
<td>53 ft. Sand, Gravel &amp; Clay</td>
</tr>
<tr>
<td>60 ft. Sand</td>
</tr>
<tr>
<td>65 ft. Sand + Fine Gravel</td>
</tr>
</tbody>
</table>

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

Each small square represents 40 acres.

Driller's Signature: J. C. Jones

Driller's Address: 3017 Breezy Dr.

Gallatin, Mont. LICENSE NO. 17

---

**Show exact depth of bottom:** 68 ft.
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:

Date well started:

Date well completed:

Type of well:

Equipment used:

Water Use:

*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

PERFORATIONS

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Depth of Casing</th>
<th>From</th>
<th>To</th>
<th>Kind of Line</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in.</td>
<td>7' 0&quot;</td>
<td>60</td>
<td></td>
<td>3/4&quot;</td>
<td>59'</td>
<td>74'</td>
</tr>
<tr>
<td></td>
<td>5' 0&quot;</td>
<td>59'</td>
<td>74'</td>
<td>4&quot; x 3&quot;</td>
<td>59'</td>
<td>74'</td>
</tr>
</tbody>
</table>

Static water level:

Pumping water level:

Power:

Remarks:

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

EACH SMALL SQUARE REPRESENTS 40 ACRES.

Driller's Signature:

Driller's Address:

Boxemarx, Montana
LICENSE NO. 17

Top of Ground (Gen. above sea level)

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4</td>
</tr>
<tr>
<td>4</td>
<td>38</td>
</tr>
<tr>
<td>38</td>
<td>45</td>
</tr>
<tr>
<td>45</td>
<td>50</td>
</tr>
<tr>
<td>50</td>
<td>63</td>
</tr>
<tr>
<td>63</td>
<td>65</td>
</tr>
<tr>
<td>65</td>
<td>924</td>
</tr>
</tbody>
</table>

Show exact depth of bottom

74' 0"
State of Montana
County of Gallatin

Filed February 5, 1973
at 11:15 a.m.

Carl L. Stack
County Clerk & Recorder

By:

Deputy

File No. 3030
WATER WELL LOG

COUNTY

MONTANA BUREAU OF MINES AND GEOLOGY
State Engineer

BUTTE, MONTANA

WATER WELL LOG

Owner: [Name]
Address: [Address]
Driller: [Name]
Address: [Address]
Date Started: [Date]
Date Completed: [Date]
Location: Sec. [Section], T. [Township], R. [Range], S.E. [Quarter Section]

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

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

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

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

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

Perforated or Screened: Ft. [ ] to Ft. [ ] Type: [ ] Size: [ ]

Type of screen or perforations: [ ]

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

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

Pumping water level: ________ feet at: 30 gal. per min.

How tested: [ ]

Length of test: [ ]

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 5</td>
<td>To 37</td>
</tr>
<tr>
<td></td>
<td>Gravel</td>
</tr>
<tr>
<td>From 37</td>
<td>To 38</td>
</tr>
<tr>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>From 38</td>
<td>To 39</td>
</tr>
<tr>
<td></td>
<td>Gravel</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.

Harry A. & Dorothy Smith

Owner

Address: Route 1

Bozeman, Mont., 59715

Date well started: Oct. 19, 1970

Type of well: Drilled

Equipment used: Chuck and Pump

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). 64 Lot 8, Valley Center Subdiv.

---

| Estimating Annual Withdrawal
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Size of Drilled Hole</td>
<td>Size of Water of Center</td>
<td>Depth of Withdrawal</td>
</tr>
<tr>
<td>6 ft.</td>
<td>4 ft.</td>
<td>48 ft.</td>
</tr>
</tbody>
</table>

PERFORATIONS

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

Driller's Information

Driller's Signature: Donald J. Jones

Driller's Address: 401 E. Jefferson, Dr.

License No.: 17

Show exact depth of bottom

Top of Ground, feet above sea level

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>23</td>
</tr>
<tr>
<td>23</td>
<td>28</td>
</tr>
<tr>
<td>28</td>
<td>39</td>
</tr>
<tr>
<td>39</td>
<td>39</td>
</tr>
<tr>
<td>39</td>
<td>47</td>
</tr>
<tr>
<td>47</td>
<td>49</td>
</tr>
<tr>
<td>49</td>
<td>Bottom of well</td>
</tr>
</tbody>
</table>

Top of Ground

- 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.
State of Montana
County of Gallatin
Filed
Filed
at
at
10:00 a.m.
10:00 a.m.
Carl L. Staley
Carl L. Staley
[Signature]
[Signature]
By
By
Deputy
Deputy
Fee $
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

   ____________________________  ____________________________  ____________________________  ____________________________

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

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

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

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

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

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

   8. The depth of water table
   __________________________________________________________

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

   10. The estimated amount of groundwater withdrawn each year
   __________________________________________________________

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

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

   Signature of Owner
   ____________________________
   Date ____________________________

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
16X9

Rate of Interest: 6%
City of Ottawa

Nov. 31
12-32 R.

East End

[Signature]

[Date]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. [Name of Appropriator] | [Address] | [Town] | [County of Absence] | State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since about 1947.

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner:

Date: 

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

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

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

Filed on 7-19-1963
at 2:30 o'clock P.M.

SIGNED:
COUNTY CLERK & RECORDER
By: DEPUTY

Fee $25
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

I, Robert J. Paugh
(Name of Appropriator)
d of Rt. 1, Boxman
(Address)

County of Gallatin
State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1944 - Continuous use since that time

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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 Not applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal well with 6-inch electric pump. For location see diagram for exact location in fieldbook, sec. 29, T.1 S.1 of Range 5 East

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

8. The depth of water table: August - 12', March 30'

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 See answer to no above

10. The estimated amount of groundwater withdrawn each year: 50,000 gallons

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

Signature of Owner: [Signature]

Date: April 22, 1963

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

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

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

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

STATE ENGINEER

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since that time: 1965 - continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5 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: Approximately 5 acres in the Town of the
   Sec. 30, T. 1 South of Range 5 East, owned by Robert J. Paugh, purchasing under
   contract for deed from John C. & Dorothy Paugh

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Well with 4" casing, electric pump

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: August - 12' March - 30'

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: See answer to No. 6 above.
   55' well

10. The estimated amount of groundwater withdrawn each year: 550,000 gallons

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

Signature of Owner: Robert J. Paugh

Date: 4/20/13

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 Gallatin ss.

Filed          4-22-1983
2-15-1983 5:00 P.M.

By

County Clerk & Recorder

Fee $25.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

STATE ENGINEER

1. ROBERT J. FAUGH
   (Name of Appropriator)
   (Address)
   (Town)
   County of Gallatin
   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
      sub-irrigation

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) that quantity of water in the
      aquifer necessary to provide moisture for desirable plant growth

   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
      W4 of Section 29, Township 1 South
      Range 6 East
      purchased under contract for seed from
      John C. & Dorothy Paugh

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Not applicable

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Not applicable

   8. The depth of water table
      varies with time of year. August = 12'; March = 30'

   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
      Not applicable

   10. The estimated amount of groundwater withdrawn each year
      Not applicable

   11. The log of formations encountered in the drilling of each well if available
      Not applicable

   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.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water well Log

Owner: Jake Marck
Address: Bigman

Driller: E. Whistaker
Address: 

Date Started: Jul. 1953
Date Completed: Jul. 1953

Location: Sec. 30 T. 18 R. 5E 
sec. 1E 

Type of well: Drilled
Equipment used: Drill

Type of screen or perforations:

Static water level, for non-flowing well: 10 feet.

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

Pumping water level: 10 feet at 10 gal. per min.

How tested: Measured while pumping it before

Length of test: __________ time

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>2</td>
<td>22</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

### Owner

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

### Driller

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

### Date Started

<table>
<thead>
<tr>
<th>Date Started</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

### Date Completed

<table>
<thead>
<tr>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

### Location

<table>
<thead>
<tr>
<th>Section</th>
<th>Township</th>
<th>Range</th>
<th>Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec 31</td>
<td>T 15</td>
<td>R 5</td>
<td>NE 1/4</td>
</tr>
</tbody>
</table>

### Type of Well

- [ ] Bored
- [ ] Drilled
- [ ] Auger

### Equipment Used

- [ ] Churn drill
- [ ] Rotary
- [ ] Other

### Water Use

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

### Casing

- [ ] ft. to ft. Type Size
- [ ] ft. to ft. Type Size
- [ ] ft. to ft. Type Size

### Perforated or Screened

- [ ] Ft. to Ft. Type to Ft.

### Type of Screen or Perforations

- [ ] Gravel packing
- [ ] Cementing
- [ ] Packers
- [ ] Other

### Static Water Level

- [ ] for non-flowing well: feet

### Shut-in Pressure

- [ ] for flowing well: lb/sq. in. on: (date)

### Pumping Water Level

- [ ] feet at gal. per min.

### How Tested

- [ ] Other

### Remarks

- [ ] Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

---

W. O. Wrangham located the well in 1932.

---

(over)
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

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

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


Location: Sec. 36 T 15 R 5E 1/4

Type of well: Drilled

Equipment used:

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>[x]</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing: ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing: ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened: Ft. to Ft. to Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
</tr>
</tbody>
</table>

Static Water level, for non-flowing well: 40 feet.

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

Pumping water level: 30 feet at 30 gal. per min.

How tested: __________

Length of test: __________

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

(over)
# Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>3</td>
<td>Gravel, sand, and silt.</td>
</tr>
<tr>
<td>3-47&quot;</td>
<td>Gravel, sand, and silt.</td>
</tr>
</tbody>
</table>

Signed:

[Signature]

[Date]

County: [County]

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

1. JAMES T. PAUGH
   (Name of Appropriator)

   County of Gallatin

   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: Sub-Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1900 - Continuous since that year

4. The amount of groundwater claimed (in miner's inches or gallons per minute) that quantity of water in the aquifer necessary to provide moisture for desirable plant growth

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. Not applicable


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. Not applicable

10. The estimated amount of groundwater withdrawn each year. Not applicable

11. The log of formations encountered in the drilling of each well if available. Not applicable

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. Approximately 200 miner's inches of appropriated surface water are utilized during summer months to maintain level for sub-irrigation.

Signature of Owner: [Signature]

Date: December 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 Gallatin  ss.

Filed:  Dec 16  1963
at  4:55 o'clock  M.

[Signature]
COUNTY CLERK & RECORDER

By                      DEPUTY

Fee $ 2.00
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 Well Started: Dec 19, 1962
Date Completed: Dec 24, 1962

Type of Well: Drilled
Equipment Used: Churn

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Use and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5&quot;</td>
<td>4½ OD</td>
<td>0</td>
<td>24</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 7 feet.
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 10 feet at 35 gal. per minute.
Discharge in gal. per min. of flowing well: 

How Tested: Driller
Length of Test: 2 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 feasible. Each small square represents 10 acres.

Show exact depth of bottom.

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

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

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