NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELLS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION

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:
E.H. Roodwin
Address:
Route 1, Box 11
Three Forks, Mont. 59752

Date well started:
13-6-71

Date well completed:
13-7-71

Type of well:
Drilled

Equipment used:
Cable tool

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

*Describe

USES: 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>Well developed by</th>
<th>Power Pump HP</th>
</tr>
</thead>
<tbody>
<tr>
<td>For Administrator's Use</td>
<td></td>
</tr>
</tbody>
</table>

Static water level:
4 ft.

Pumping water level:
6 ft.

gallons per minute, measured 30 minutes after pumping began.

*Measured from ground level.

Well developed by:
for hours.

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

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

Driller's Address:
Route #1

Bozeman, Mont.

LICENSE NO. 150

Show exact depth of bottom:
496.36
State of Montana
County of Gallatin
Filed: Dec. 21, 1971
at 3:30 o'clock P.M.

Carl I. Stucky
County Clerk & Recorder

# 3028

[Signature]
[Signature]

[Signature]
Form No. 18

| Section | Location: Sec. 27 T. 2N R. 2W 1 sec. along S08°5.8' E.
|----------|----------------------------------------------------------|

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner: George Fairweather
Address: Logan, Wash.

Driller: Van Dyke Drilling Co.
Address: Columbia, Wash.

Date Started: April 3, 1952
Date Completed: April 6, 1952

Type of well: Drilled

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

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

Industrial [ ]  Drainage [ ]  Other [ ]

Casing: Solid ft. to 42 ft. Type Steel  Size 6 in.

Casing:  ft. to  ft. Type  Size

Casing:  ft. to  ft. Type  Size

Perforated or screened:  ft. to  ft.  ft. to  ft.

Type of screen or perforations

Static water level, for non-flowing well:  9 ft.

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

Pumping water level  feet at  gal. per min.

How tested:  

Length of test:

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

(over)
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Started</td>
<td>Jan. 20, 1953</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Jan. 22, 1953</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 27 T. 2 N. R. 2 E. 1/4 sec. 5 NW 1/4</td>
</tr>
</tbody>
</table>

Type of well | Drilled | Equipment used | Chama Drill |
|-------------|---------|----------------|-------------|

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

Casing: | Solid | ft. to 60.6 ft. | Type | Steel | Size | 6 ft. |

Casing: | ft. to ft. | Type | Size |

Perforated or screened: | ft. to ft. | ft. to ft. |

Type of screen or perforations:

Static water level, for non-flowing well: | 3 ft. from Top | feet |

Shut-in pressure, for flowing well: | lb./sq. in. on: |

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

How tested:

Length of test:

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

<table>
<thead>
<tr>
<th>Depth feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>Top</td>
<td>20</td>
</tr>
<tr>
<td>20</td>
<td>55</td>
</tr>
<tr>
<td>55</td>
<td>60</td>
</tr>
</tbody>
</table>
Form No. 18

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

<table>
<thead>
<tr>
<th>A.</th>
<th>T.</th>
<th>R.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2 W.</td>
<td>2 E.</td>
</tr>
</tbody>
</table>

County

Montana

Owner: George Fairweather
Address: Logan, Mont.

Driller: Van Dyken Drilling Co.
Address: Bozeman, Mont.

Date Started: July 14, 1952
Date Completed: July 18, 1952

Location: Sec. 27 T. 2 W. R. 2 E. 1/2 sec. 5 W. 1/2 S.

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

Industry: [] Drainage [] Other

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

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

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

Perforated or screened: [ ] ft. to [ ] ft. [ ] ft. to [ ] ft.

Type of screen or perforations:

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

Shut-in pressure, for flowing well: [ ] lb./sq. in. on: [ ]

Pumping water level: [ ] ft. feet at [ ] gal. per min.

How tested: [ ] H.P. Burks & J.H.P. Feeble Press.

Length of test: [ ] to [ ] hours.

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>Top</td>
<td>Gravel</td>
</tr>
<tr>
<td>16 to 43</td>
<td>Quick Sand</td>
</tr>
<tr>
<td>43 to 47</td>
<td>Clay</td>
</tr>
<tr>
<td>47 to 56</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Thaddeus Peter Shannon, of R.B.—Three Forks
(Year and 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:

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

4. The amount of groundwater claimed (in minute’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 and depth:

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 \text{Date} 5-7-1963
at \text{Time} o'clock M.

\text{Signature}
COUNTY CLERK & RECORDER

By \text{Signature}
DEPUTY

Fee $ \text{Amount}
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Russia M. Brosa, of Box 362 Three Forks
   (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. Date or approximate date of earliest beneficial use; and how continuous the use has been. 1870 continuous since

3. The beneficial use on which the claim is based. sub-irrigation

4. The amount of groundwater claimed (in miner's inches or gallons per minute). The 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. Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.

   note: see description for lands irrigated

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. 4 ft. fast to surface year round

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. not applicable

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

Lillian M. Hotal

George W. Hotal

(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: Domestic

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

1952 No. 1
1961 No. 2

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 350 Gals. per min.

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

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

Pump

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

2/15/35 Started 1/5/35 Completed

6/12/45 Started 6/22/45 Completed

8. The depth of water table:

35 Well No. 1

40 Well No. 2

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:

35

40

10. The estimated amount of groundwater withdrawn each year:

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

N/A

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 February 7, 1957
at 3:00 p.m.
Carl A. Stucky
County Clerk
Fees $20.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

LEO J. LANE
(Name of Appropnator)
of Three Forks, Montana
(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: Drilled well, household use and stockwater; scooped well, livestock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Drilled well, 1922; daily use year around; scooped well, daily use year around, since 1930.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 gallons per minute, drilled well; 100 gallons a day, scooped well.

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: No irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Drilled well, 6-inch steel cased, 40 feet deep, 1/4 horse water pump; scooped well 10 feet deep from which livestock drink direct.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Drilled well, 1922; scooped well, 1930.

8. The depth of water table: Drilled well, 10 feet; scooped well 7 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, 6-inch steel cased, 40 feet deep, 1/4 horse water pump; scooped well 10 feet deep from which livestock drink direct.

10. The estimated amount of groundwater withdrawn each year: Drilled well, 200,000 gallons; scooped well, 200,000 gallons.

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

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

Signature of Owner: LEO J. LANE
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 Appropnator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. **RUSIE H. BROOKS**
   (Name of Appropriator)
   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: **irrigation and stock water, also augmenting sub-irrigation**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1870 - continuous since**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **Approximately ten (10) springs flowing approximately 25 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:
   - **$^4_1$ Sec. 31 T. R. S. Gallatin**
   - **$^4_1$ Sec. 31 T. R. S. Gallatin**

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

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: **four and one-half feet (4½') to surface year around**

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: **2.5 million gallons per year**

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: **not applicable**

   **Signature of Owner**
   **Date:** 12-31-63

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. The name of the Appropiator is: [Name of Appropiator]
   Address: [Address]
   Town: [Town]
   County: [County]
   State: [State]

   These persons 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: [Description]

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

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

   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: [Acreage]

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

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

   8. The depth of water table: [Depth]

   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: [Specifications]

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

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

   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: [Information]

   Signature of Owner: [Signature]
   Date: [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 Appropiator.
State of Montana
County of Gallatin

Filed: Dec 19, 1963
at 9:00 A.M.

By: [Signature]
DEPUTY

Fee: $2.00
WELL #1

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: City of Three Forks
Address: Three Forks, Montana
Driller: Harry Van Dyken
Address: Manhattan, Montana
Date Started: May 27, 1933
Date Completed: June 20, 1933
Location: Sec. 30, T. 2N, R. 2E, 3/4 sec.

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td></td>
<td>(Churn drill, rotary, other)</td>
</tr>
<tr>
<td>Municipal</td>
<td>X</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Casing: 40 ft to 60 ft in the ground
Type: 50 lb to the ft.
Size: 12 in.

Casing: ft to ft
Type: Size

Perforated or Screened: Ft. 75 to ft. 125
Type of screen or perforations: 10 in. black galvanized casing weight 40 lb. per ft.

Static Water level, for non-flowing well: feet.
Shut-in pressure, for flowing well: lb/sq. in. on: (date)
Pumping water level: 105 feet at 150 gal. per min.
How tested: Pump and meter

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>Top of Ground</td>
<td>(Elev. above sea level 4600)</td>
</tr>
<tr>
<td>18in</td>
<td>soil</td>
</tr>
<tr>
<td></td>
<td>First water at 4 ft.</td>
</tr>
<tr>
<td>5ft</td>
<td>Water 5 ft. from top</td>
</tr>
<tr>
<td></td>
<td>gravel</td>
</tr>
<tr>
<td></td>
<td>Just a little water from 25ft to 32 ft.</td>
</tr>
<tr>
<td></td>
<td>Shale hard and soft layers of with thin layers of sand</td>
</tr>
<tr>
<td>125</td>
<td>bottom</td>
</tr>
</tbody>
</table>

Log of Well
WELL # 2

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>(Brush, dynamite, etc., or drilled)</td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Type of well used:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>36-1b. pr. ft.</td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Top</td>
<td>36-1b. pr. ft.</td>
</tr>
<tr>
<td></td>
<td>Size:</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Type of perforations:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ft. 75' 6&quot; to Ft. 150'</td>
<td>10&quot; Black 1&quot; slots</td>
</tr>
</tbody>
</table>

| Static Water level, for non-flowing well: | 18 feet |
| Shut-in pressure, for flowing well: | lb/sq. in. on: |
| Pumping water level: | feet at: |
| How tested: | gal. per min. |
| 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>Top of Ground</td>
<td>(Elev. above sea level 4600 more or less)</td>
</tr>
<tr>
<td>0 - 8 ft</td>
<td>soil</td>
</tr>
<tr>
<td>8 - 24 ft</td>
<td>gravel</td>
</tr>
<tr>
<td>24 - 35 ft</td>
<td>shale</td>
</tr>
<tr>
<td>35 - 50 ft</td>
<td>sand</td>
</tr>
<tr>
<td>50 - 65 ft</td>
<td>shale 6in. rock at 65 ft.</td>
</tr>
<tr>
<td>18 - 150 ft</td>
<td>water all the way from 18 to 150 ft.</td>
</tr>
<tr>
<td>65 - 150 ft</td>
<td>shale</td>
</tr>
<tr>
<td>150</td>
<td></td>
</tr>
</tbody>
</table>

**Signature:**

*End of Log of Well*
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

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

1. **LEO J. LAW**  
   (Name of Appropriator)  
   of **Three Forks**  
   (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:

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

2. The beneficial use on which the claim is based: **stockwater**, **enlarged for stockwater and fishpond in 1963**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1920, daily year-round**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **500 gallons per day**

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **no irrigation**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1920, enlarged for stockwater and fishpond in 1963**

8. The depth of water table: **7 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: **stockpond**

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: **gravel base**

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

Signature of Owner: [Signature]  
Date: **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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

STATE ENGINEER

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

Owner: Frances C. Weber
Three Forks, Mont.
Route 1, Box 12

Driller: Harriet Hucbcent
Address: Clay Box 12

Date of Notice of Appropriation of Groundwater: March 12, 1964

Date well started: July 30, 1962
Date Completed: July 30, 1962

Type of well: Welled
Equipment Used: Chum drill
(Chum drill, rotary or other)

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

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

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

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

Shut-in Pressure for Flowing Well...

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

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

How Tested: Drilled

Length of Test...

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

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.

35448
State of Montana
County of Gallatin

Filed: March 12

M. Earl Walton
Commissioner of Deeds

Fee $2.00 pd.
Form No. 18

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

Water Well Log

Owner: Faye Johnson
Address: Logan, Mont.

Driller: Barber & Fowlers
Address: Wilton Creek

Date Started: Oct 20 - 60  Date Completed: Nov 10 - 60

Location: Sec. 35 T. 21 N. R. 95 1 sec. N/E 1/4

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

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

Casing:
- 0 ft. to 21 ft. Type 6 Size Black
- ft. to ft. Type Size
- ft. to ft. Type Size

Perforated or screened:
- Ft. to Ft. Ft. to Ft.

Type of screen or perforations:

Static water level, for non-flowing well: 36 feet.

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

Pumping water level 47 feet at 26 gal. per min.

How tested: With Bill Baker

Length of test 4 hour

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

Drilled to 67'

Casing cemented at 21' in Solid Limestone

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth from</th>
<th>Depth to</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>7'</td>
<td>Top soil and gravel</td>
</tr>
<tr>
<td>7'</td>
<td>65'</td>
<td>Solid limestone</td>
</tr>
<tr>
<td>65'</td>
<td>67'</td>
<td>Limestone, faulted and water course</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Simon Johnson, of Logan, Gallatin County, 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 and domestic use and watering
   - Lawn and flowers

3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   - 1948, household and domestic use daily each year, irrigating lawn and flowers; occasional use May-September each year

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 4 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:
   - Lot 10, Block B, Milwaukee Addition, Logan, Montana, Simon Johnson, owner

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Well located in 1st Street west of Lot 9, Block B, Milwaukee Addition, Logan, Montana, Simon Johnson hook up to well in 1948 by pipe to house on said Lot 10 and installation of pump

7. The date of commencement and completion of the construction of the well, wells, or other work for withdrawal of groundwater:
   - Mike and Will Crowley about 1910, appropriator Simon Johnson hooked up to well in 1948 by pipe to house on said Lot 10 and installation of pump

8. The depth of water table approximately 100 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:
   - 130 foot well, cased with pipe to solid rock, and drilled into or beyond rock

10. The estimated amount of groundwater withdrawn each year: 100 gallons per day

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

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

Signature of Owner: Simon Johnson
Date: December 13, 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; Tripllicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
State of Montana
County of Gallatin

Filed: Dec. 16, 1963
at 9:30 A.M.

COUNTY Clerk & Recorder
By
DEPUTY

Fee $20.00
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962 (Under Chapter 237, Montana Session Laws, 1961)

Owner: TOM DIGE
Address: LOGAN, MONTANA
Driller's Name: DYKES DRILLING CO
Address: BOZEMAN, MONTANA

Date of Notice of appropriation of groundwater: NONE
Date well started: June 7/66 Date completed: June 9/66

Type of well: Drilled
Equipment used: Cable tools
(Dig, driven, bored or drilled) (Charm drill, rotary or other)

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

Indicate on the diagram the character and thickness of the different strata
uses with its 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.

---

Static Water Level for non-flowing well
Shut-in Pressure for flowing well
Pumping Water Level
Discharge in gal. per minute of flowing well
Length of Test
Remarks: (Gravel packing, cementing, packers, type of shut-off)

---

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 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 so, otherwise the form may be returned.

Owner: [Signature]
Address: [Address]

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

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

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Depth of</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well</td>
<td>From (Ft)</td>
</tr>
</tbody>
</table>

Static water level: [Static water level] ft
Pumping water level: [Pumping water level] ft

Power: [Power] HP
Remarks: [Remarks]

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

Driller's Signature: [Signature]
Driller's Address: [Address]

LICENSE NO: [License No]

COUNTY: [County]

Show exact depth of bottom: [Footage]
# 3172

State of Montana  County of Gallatin  ss.

Filed:  Dec. 18, 1972

at 9:30 a.m.

Carl L. Shoefly

County Clerk & Recorder

By:  Reed G. Bridge

Deputy

Fee $ 2.00
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Julius Turner</th>
<th>Logan County</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charles Saxon</td>
<td>Logan Montana</td>
</tr>
</tbody>
</table>

(Name of Appropriator)  
(Address)  
(State)  
(County)  

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:  
Domestic

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

3. The amount of groundwater claimed (in miner's inches or gallons per minute):  
1800 gallons daily

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:  
Not used for irrigation

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

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

7. The depth of water table:  
35 feet

8. 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:  

9. The estimated amount of groundwater withdrawn each year:  

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

11. 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Julius B. Brown
Charles Barton
Deidra Enright or Doris
(Name of Appropiater) (Address) (Town)

County of Gallatin State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>3</td>
<td>4</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
</tr>
</tbody>
</table>

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been 900 continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1800 gallons daily

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

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, wells, or other works for withdrawal of groundwater Unknowd

8. The depth of water table 35 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 65 feet deep

10. The estimated amount of groundwater withdrawn each year

11. The loss of formation encountered in the drilling of each well if available Unknowd

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 Charles Barton

Date June 16, 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  
County of Gallatin  

Filed  

at  

1:00 o'clock P.M.  

By  

Carl Taitan  
Clerk & Recorder  

Fee $2.00

# 489  

535
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. Laura Mae Rupka of Logan,
   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: Household purposes

   3. Date or approximate date of earliest beneficial use: and how continuous the use has been:
      Approximately twenty five years and steady flow

   4. The amount of groundwater claimed (in miner's inches or gallons per minute):
      twenty five 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:
      none

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
      Electric centrifugal pump
      0.5 miles, Logan Lot 16 Blk 2.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      Approximately 1938

   8. The depth of water table:
      unknown

   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: available
      Size: four inches
      Depth: sixty to seventy ft.

10. The estimated amount of groundwater withdrawn each year:
    150,000 gallons

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

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

Signature of Owner: Laura Mae Rupka
Date: August 6, 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
County of Gallatin

Filed Aug. 7, 1963
at 4:00 o'clock M.

Carl Velten
COUNTY CLERK & RECORDER

Fee $.

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. Logan School of Logan, Montana
   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:
   ordinary

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   1200 gallons per hour

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:
   electric pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   July, 1960

8. The depth of water table:
   100 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:
    90,000 gallons

11. The log of formations encountered in the drilling of each well if available:
    from Parker and Loner, Willow Creek, Mont.

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: 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 School of Mines and Quadruplicate for the Appropriator.
**Declaration of Vested Groundwater Rights**
(Under Chapter 237, Montana Session Laws, 1961)

1. **RELAND A. L. **
   (Name of Appropriator)

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. **1925**

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

5. If used for irrigation, give the average 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 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. **2,000,000**

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; Quadruplicate to the Montana Bureau of Mines and Geology; Triplicate to the Appropriator.
SAND OF SIMON 
COUNTY OF SEDAN 

Date: 12-3-0 1953 

at: 12:30 P.M. 

Carl M. Wallin 

By: William Jones 

Fed 3, 1954
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Northern Pacific Railway Company**

(Name of Appropriator)  

County of **Gallatin**  

State of **Montana**  

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

1. **Northern Pacific Railway Company**  
   **H.P. Depot**  
   **Logan**

2. The beneficial use on which the claim is based: **Domestic purposes, fire protection**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1940 to present**

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: **None**

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **Completed 1940**

8. The depth of water table: **8 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: **10 inch drilled well, 100 feet deep**

10. The estimated amount of groundwater withdrawn each year: **150,000 gallons**

11. The log of formations encountered in the drilling of each well if available: **Note attached log 38**

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: [Signature]

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: November 21, 1963
at 4:17 o'clock P.M.

County Clerk & Recorder
By: Deputy

Fee $1.00
Logan, Mont.

Drilling begun
Completed
Total depth of well
Drilled by A.M. Baetler,
N.P. Ry. Co.

Ground line at well
4' Sandy yellow clay.
12' Gravel and rocks

8" Std. W.S. Well casing.
24' Hardpan

40' 6" Bottom of casing, sealed in rock.
6' Rock

21' Hardpan-Thin shales shale
(Water)

7' Limestone

Gravel fill

6" Std. W.S. Pipe, perforated
from elevations 42 to 53
and 60 to 125

66' Shale

Probably caving in this region

8' Hole

126' Gray Rock
129' Hard blue shale

NOTE: For details of 6 perforated pipe
and gravel fill, see Well Log record Mont. 38A
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Northern Pacific Railway Co. of 5 P. Section House Logan
   (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: Domestic purposes

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Sept. 7, 1944

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

   5. If used for irrigation, give the acreage and description of the lands (Name of irrigator) 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: Jet pump

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Started Aug. 29, 1944. Completed Sept. 7, 1944

   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:

   6-inch drilled well 64 feet deep

   10. The estimated amount of groundwater withdrawn each year: 56,000 gallons

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

   See attached Log 363

   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: 

   Date: 8-3-1944

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: November 21, 1963
at 4:22 p.m.

Earl Walton
COUNTY CLERK & RECORDER
By
DEPUTY

Fee $1.00
LOGAN, MONT. SECTION HOUSE WELL

5' Well, 84' deep.
Well drilled to 52' by G.E. Brennise, N.P. Ry.
Work begun 8/19/44, completed 9/1/44, charge to C.E.
Well deepened to 84' by E.A. Bodin, N.P. Ry.

Ground line

48' Gravel

6' St.W.P.

4' Hard rock

5' Lime stone

Well produced 12 G.P.M. for 5 min. 11/26-46
Pumped 12 hours

62'

73'

76'

84'

Vertical scale 1'-20'

Water Analysis Apr 13-47

Calcium bicarbonate 13.3 G.P.G
Sulfate 0.9
Magnesium 6.6
Sodium carbonate 0.0
Bicarbonate 0.0
Sulfate 3.5
Chloride 1.2
Silica 1.1
Iron 2.6 P.P.M.
Total dissolved solids 26.6 G.P.G. (actu

Turbidity 25

Note: See file 1149-1 for drilling and test
Office of Engineer of Water Service, St.

Vertical Scale 1'-20'

LOCATION PLAN

Scale 1'-100
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. SHIRLEY V. VALENT
   (Name of Appropriator)  BOX 415  LOGAN  MONT
   (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: HOUSEHOLD

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: APRIL 1960 RENEWAL CONTINUES

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 150 GALLONS PER MIN

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

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

   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: 20 FEET

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

   10. The estimated amount of groundwater withdrawn each year: 1250 GALLONS

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

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

   Signature of Owner: SHIRLEY V. VALENT
   Date: DEC 6 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 Arkansas
County of Callahan

Filed 8/25/1933

2:45 p.m.

County Clerk & Recorder

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

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

1. Duane D. & Rita Aughney

(Name of Appropriator)  of Route 1

(Address)  Three Forks

(Town)  Gallatin County  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 and yard irrigation

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

August 30, 1958; continuous since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 12.5 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

Approx. 300 feet square, Duane D. & Rita Aughney

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

Shallow well pump 750 gal per hour capacity.

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

August 30, 1958

8. The depth of water table

Static level from surf (6) six feet water lowered to (8) eight feet after 1 hour and remain for six hours continuous pumping.

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

0.31 Lippel 1/4 river gravel 20% sand, 1/2 gravel, clay, 61 sand and clay and 31 sand and gravel total 287 depth of well. Cased with 6 inch casing from 0 to 23 feet.

10. The estimated amount of groundwater withdrawn each year

821,250 gallons

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

Same as item 9 above

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 December 27, 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.
#1201

State of Montana
County of Gallatin

Filed: December 30

By: 2.00 DEPUTY

2.00 DEPUTY

3119

M. WILSON
## WATER WELL LOG

**Owner:** Lester A. Elbert
**Address:** Logan, Mont.

**Driller:** Unknown
**Address:**

**Date Started:** Unknown
**Date Completed:** Over 4 hrs.

**Location:** Sec. 36 T. N. R. 2 E.

### Type of well
- Drilled
- Equipment used:

### Water use
- Domestic [X]
- Municipal [ ]
- Stock [ ]
- Irrigation [X]

### Casing
<table>
<thead>
<tr>
<th>From ft. to</th>
<th>To ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>78</td>
<td></td>
<td>5 IN</td>
</tr>
</tbody>
</table>

### Perforated or Screened
<table>
<thead>
<tr>
<th>From ft. to</th>
<th>To ft.</th>
<th>Ft. to ft.</th>
<th>Size</th>
</tr>
</thead>
</table>

### Static Water level, for non-flowing well

### Shut-in pressure, for flowing well: [date]

### Pumping water level
- feet at
- gal. per min.

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

(over)
#890

**Osceola County, I ss.**
State of Michigan, s.

Dec 18, 1961

10:36 a.m.

**J. MONROE**
Deputy

Fee $2.00
### WATER WELL LOG

**Owner:** Elsie L Peterson  
**Address:** Box 577, Logon, Mont.

**Driller:** Van Dyken  
**Address:** 403 Villard, Bozeman, Mont.

**Date Started:** April 28, 1949  
**Date Completed:** May 17, 1949  
**Location:** Sec. 36, T. 2 N., R. 6 E.

**Type of well:** Drilled  
**Equipment used:** Churn drill

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

**Casing:**
- From ft. to ft.  
- Type: Blacksteel  
- Size: 6" [ ]

**Perforated or Screened:**
- From ft. to ft.  
- From ft. to ft.  
- Type: [ ]

**Static Water level, for non-flowing well:** 41 ft.

**Shut-in pressure, for flowing well:** lb. sq. in. on: [ ]

**Pumping water level:** 49 ft. at 10 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>8' - 16'</td>
<td>Gravel</td>
</tr>
<tr>
<td>16' - 24'</td>
<td>Dirt</td>
</tr>
<tr>
<td>24' - 34'</td>
<td>Limestone</td>
</tr>
<tr>
<td>39' - 60'</td>
<td>...</td>
</tr>
<tr>
<td>60' - 95'</td>
<td>Granite Rock</td>
</tr>
</tbody>
</table>

*Signature:* [Signature]

*Date:* [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. H. F. Snow
   (Name of Appropriator) of Logan
   (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. 
      well is used
      as domestic water supply

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

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

   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 2 Bl. D Milwaukee Add. Logan
   Sec 6. Twp 26 N E 4

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
      about 1937.

   8. The depth of water table.
      50 feet.

   9. So far as may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
      drilled, metal cased well, total depth about 100 feet

   10. The estimated amount of groundwater withdrawn each year.
       36,500 gallons.

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

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

   Signature of Owner

   Date Nov. 15, 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.