STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. John H. Adamson, of Lot 761, Livingston, (Town)
   County of Park, State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

   Fire|ville
   Lot 76 29 30
   Sec. 2, T. 25, R. 9E

   The beneficial use on which the claim is based: Household

   Date or approximate date of earliest beneficial use: and how continuous the use has been: Completed 1932 and continues use ever since.

   The amount of groundwater claimed (in miner's inches or gallons per minute): 500 gal. Per hour.

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

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

   The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Hand Drilling 1932.

   The depth of water table: Unknown.

   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:

   The estimated amount of groundwater withdrawn each year: 450,000 gal. Per year.

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

   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: John H. Adamson
   Date: 10/29/63

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 Appropirator.
Dec. 4, 1996

Mailed the 30th day of December 1965

at 10:08 A.M.

Margaret Manuel
County Clerk and Recorder.

Leona Bowman
Deputy

Issu $2.00
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Robert S. Allred
Address: Livingston, Montana
P.O. Box 831

Driller: Donald C. Jones
Address: Bozeman, Montana

Date of Notice of Appropriation of Groundwater: 3-31-65
Date Completed: 4-7-65

Type of well: Drilled
Equipment Used: Churn Drill (dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Housing</th>
<th>From</th>
<th>To</th>
<th>Ø</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 5/8&quot; N.D.</td>
<td></td>
<td>1/2 ft above 50 ft.</td>
<td>4 ft</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 22 feet
Shut-in Pressure for Flowing Well: 20
Pumping Water Level: 20 feet at 20 gal. per minute
Discharge in gal. per min. of flowing well: 30
How Tested: Pump
Length of Test: 1 ½ hr.

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

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


County of Park State of Minnesota
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 and Irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been—June, 1943, used ever since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)—250 gallons a 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 owned by appropriators above.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Electric pump and 100-gallon storage tank.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater—June, 1943 and completed in June, 1943.

8. The depth of water table—Well 70 feet deep, had 15 feet of water.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater—Well is 70 feet deep—water withdrawn with 1½ pipes and electric water.

10. The estimated amount of groundwater withdrawn each year—56,600.00 each year.

11. The log of formations encountered in the drilling of each well if available—No information available.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record—No records.

Signature of Owner
Date December 26, 1943.

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. **William Hime & Ben Streickland**, (Name of Appropriator)  
   Livingston, (Address)  
   County of Park, 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: **About 1935**.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 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: **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: **Well dug on drilled in 1935**.

8. The depth of water table: 10 feet. **Well is 10 feet deep**.

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:  
   **Withdrawn with 3/4 inch pipe, well in approximately 30 feet square, and was dug and lined with rock**.

10. The estimated amount of groundwater withdrawn each year: **Not known**.

11. The log of formations encountered in the drilling of each well if available: **Not known**.

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: **No records kept**.

Signature of Owner: **William Hime**  
Date: **December 23, 1963**.

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
Doc #97707

Filed this 23 day of December A.D. 1963
at 11:21 o'clock A.M.

Margaret Thoniee
County Clerk and Recorder.

Deputy.

fee # 200
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. M. V. and Myrtle H. Swanson, of Hoffman, Route, Livingston, Montana
   (Name of Appropriator)  (Address)
   County of Park, 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: 1910 and 1925
   Continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1900-gals. 30-gals. 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:
   3 wells

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1910 and 1925

8. The depth of water table: 30 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 = 500 gals. per hour
   Drop wells

10. The estimated amount of groundwater withdrawn each year: 11,000 gollons

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.
Filed the 31st day of December A.D. 1963 at 10:30 A.M.

Manuel Monreal

County Clerk and Recorder

Sec'y $2.00
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Kathryn Staley, of Hoffman Route, Linderston,
   County of Flat, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   **GRID**
   
   **N**  **S**  
   **W**  **E**  
<table>
<thead>
<tr>
<th>4</th>
<th>N</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td></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: Drinking Water and Household Use.

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 1700 gal. 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 Deep Well Pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. 1936.

8. The depth of water table. Varies with water height.

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. Ground level 50 ft. depth 1 ft. in diameter before sinking up with cementation, 1 ft. in diameter at bottom 4 ft. below.

10. The estimated amount of groundwater withdrawn each year. 73,000 gal.

11. The log of formations encountered in the drilling of each well if available. To 5 ft. good soil, layers of sand, clay down to about 20 ft. then 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. I don't know of any other information.

Signature of Owner. Kathryn Staley.

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.
December 7th, 1935

Filed this 26th day of November A.D. 1935

At 12:20 p.m. P.M.

Thos. Asa Moore

County Clerk and Recorder.

By: 

Deputy

Lee 27, 30
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 B.D. Petersen
Address Rogers Lane
Livingston, Montana

Date well started 29 June 1970
completely 1 July 1970

Type of well DUG

Equipment used CLAM SHELL

Water Use: Domestic
Municipal
Stock
Irrigation
Industrial
Drainage
Other

*Describe ____________________________

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

APPROXIMATELY 5 ACRES DESCRIBED BELOW

ESTIMATED ANNUAL WITHDRAWAL 1,500,000 QAL.

<table>
<thead>
<tr>
<th>Size of Drilled</th>
<th>Size and Weight of Casings</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot; Gravel Surface</td>
<td>25&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 13 ft.*
Pumping water level 10 ft.*
at 100 gallons per minute, measured 30 minutes after pumping began.
*Measured from ground level.

Well developed by ____________________________

Power ____________________________ HP

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

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

Driller's Signature Eggar Construction Service

Driller's Address Box 475
Livingston, Mont. LICENSE NO. 3118-C

Show exact depth of bottom 25
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: R. W. Peterson
Address: RIGGS LANE
          Livingston, Montana
Date well started: 12/21/55
Well completed: 12/27/55

Type of well: Drilled
Equipment used: Drill

Use: Domestic

Owner

For Administrator's Use

Date well started: 12/21/55
Well completed: 12/27/55

Top of Ground (Feet above sea level): 4400

Estimate Annual Withdrawal: 100,000 gallons

Static water level: 14 ft.
Pumping water level: 14 ft.

Remarks: Gravel packing, cementing packers, type of shutoff

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

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

LICENSE NO: ____________________________
### 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**: R. D. Peterson  
**Address**: Rogers Lane  
**Lincoln, Montana**

**Date well started**: Summer 1955  
**Date well completed**: Summer 1955

**Type of well**: Drilled

**Equipment used**: Rotary (Chains drill, rotary or other)

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

**Industrial [ ]  
Drainage [ ]  
Other [ ]  
Garden/Lawn [X]

*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**: 1,100,000 Gt.

---

**Top of ground**  
**(Elev. above sea level)**: 4,400

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

**Static water level**: 18 ft.  
**Pumping water level**: 14 ft.  
**at** [ ] gallons per minute, measured [ ] minutes after pumping began.  
**Measured from ground level.**

Well developed by [ ] hours.  
**Power**: Pump [ ] HP  
**Remainder** of shutoff, type of shutoff [ ]

---

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

Driller's Signature

Driller's Address

**LICENSE NO.**

---

**County**: Park

---

**RECEIVED**

**DRILLER'S LOG**

*Show exact depth of bottom from top of casing.*
*128587*

Affidavit

Sworn to before

A.D. 1879

P. 95 of clock 11

Deputy Clerk and Recorder

[Signature]

[Ink]
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: Rudolph M. Peterson
   Address: Box 703, Livingstone
   County: Park
   State of Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September, 1962

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: September, 1962

8. The depth of water table: 60 feet, of 6 inch pipe

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: Electric pump and motor and 6 inch pipe, to a depth of 60 feet

10. The estimated amount of groundwater withdrawn each year: 365,000 gallons a year

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: Not available

Signature of Owner: [Signature]
Date: December 9, 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.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Owner: 
Address: 
Driller: 
Address: 

Date of Notice of appropriation of groundwater: 
Date well started: 
Date completed: 

Type of well: Drilled 
Equipment used: Churn Drill
(Water, driven, bored or drilled)

Water use: Domestic 
Municipal 
Stock 
Irrigation 
Industrial 
Drainage 
Other

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

Size of Drilled Hole 
Size and Weight of Casing 
From (Foot) 
To (Foot) 

Perforations

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

How Tested: Pump
Length of Test

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

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

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

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, tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
<table>
<thead>
<tr>
<th>Type of well drilled</th>
<th>Equipment used</th>
<th>Chime drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Aug, driven, bored, or drilled)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Perforated or screened:</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of screen or perforations</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level, for non-flowing well: 12 feet.

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

Pumping water level 50 feet at 60 gal. per min.

How tested: Chime

Length of test 1 ft.

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

(over)
Water Well Log

Owner: E. E. Boyd.
Address: Livingston, Mont.

Driller: Hobson Homwood
Address:

Date Started: 5-25-1959
Date Completed: 6-2-1959

Location: Sec. 5 T. R. 9 E.

Type of well: Drilled
Equipment used: Churn Drill

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

Casing: Surface ft. to 53 ft. Type Black steel Size 6" ID 195
Casing: (ft. to ft. Type Size)
Casing: (ft. to ft. Type Size)
Perforated or screened: Ft. to ft. to Ft. to ft.
Type of screen or perforations: None

Static water level, for non-flowing well: 12 feet.
Shut-in pressure, for flowing well: lb./sq. in. on:

Pumping water level: 53 feet at 20 gal. per min.

How tested: Cyclor
Length of test: 1 day.

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>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface</td>
<td>0 ft</td>
<td>50</td>
<td>Top soil</td>
</tr>
<tr>
<td>0 - 40</td>
<td>50</td>
<td>100</td>
<td>Gravel</td>
</tr>
<tr>
<td>40 - 45</td>
<td>100</td>
<td>110</td>
<td>Clay</td>
</tr>
<tr>
<td>110 - 120</td>
<td>120</td>
<td>130</td>
<td>Gravel</td>
</tr>
<tr>
<td>130 - 153</td>
<td>153</td>
<td>153</td>
<td>Gravel and sand</td>
</tr>
</tbody>
</table>
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>surface</td>
<td>Top-soil</td>
</tr>
<tr>
<td>0 - 20</td>
<td>Course gravel</td>
</tr>
<tr>
<td>20 - 40</td>
<td>Clay</td>
</tr>
<tr>
<td>40 - 60</td>
<td>Pine gravel</td>
</tr>
<tr>
<td>60 - 50</td>
<td>Clay</td>
</tr>
<tr>
<td>50 - 53</td>
<td>Pine gravel and sand</td>
</tr>
</tbody>
</table>

---
<table>
<thead>
<tr>
<th>T.</th>
<th>R.</th>
<th>County</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>25</td>
<td>PARK</td>
</tr>
</tbody>
</table>

**MONTANA BUREAU OF MINES AND GEOLOGY**

**Water Well Log**

**Owner:** ALBERT L. & DORIS M. MCCOMB  
**Address:** P. O. Box 79, LIVINGSTON, MONT.

**Driller:** GLENN OVERFELT  
**Address:**

**Date Started:** MARCH, 1948  
**Date Completed:** MARCH, 1948

**Location:** Sec. 24, T. 25, R. 9E, 1/4 sec.

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Equipment Used</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dug</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Casing:**
- 2 ft. to 12 ft.  
- Type: REINFORCED CONCRETE  
- Size: 36" |

**Perforated or Screened:**
- Ft. to Ft.  
- Ft. to Ft.  
- Type.  
- Size.

**Static Water Level, for non-flowing well:**
- Feets.

**Shut-in Pressure, for flowing well:**
- NONE  
- 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)
# Water Well Log

## State Engineer

<table>
<thead>
<tr>
<th>County</th>
<th>PARK</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>ALBERT L. &amp; CORIS M. McCOMB</td>
</tr>
<tr>
<td>Address</td>
<td>LIVINGSTON, MONT.</td>
</tr>
<tr>
<td>Driller</td>
<td>GLENN OVERFELT</td>
</tr>
<tr>
<td>Date Started</td>
<td>FEB. 1948</td>
</tr>
<tr>
<td>Date Completed</td>
<td>FEB. 1948</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 24 T 2S R 9E 1/4 sec</td>
</tr>
</tbody>
</table>

### Type of Well

- **Dug**

### Equipment Used

- **Reinforced Concrete 24"**

### Water Use

- Domestic: X
- Municipal: □
- Stock: □
- Irrigation: X

### Casing

- 2 ft. to 8 ft.

### Type of Screen or Perforations

- Perforated or Screened: □

### 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

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

---

(over)
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.

CITY OF LIVINGSTON
Owner: Test well no. 4
Address: CITY OF LIVINGSTON
LIVINGSTON, MONTANA

Date well started: 3/17/71
Well completed: 3/26/71

Type of well: Drilled
Equipment used: Rotary and cable tools

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

"Describe well located 600' west ofkennebec city well" 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>Top of Ground</th>
<th>(Feet above level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 5 5/8&quot; O.D. 177 ft.</td>
<td>0</td>
<td>51</td>
</tr>
</tbody>
</table>

N

W

E

S

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

Each small square represents 40 acres.

Driller's Signature: [Signature]
Driller's Address: Box 504, Livingston, Montana

LICENSE NO. 1

Top of Ground

<table>
<thead>
<tr>
<th>For Admin's Use</th>
<th>Press (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>May 21, 1971</td>
<td>0</td>
<td>2</td>
</tr>
</tbody>
</table>

0 3 Top.
2 23 Fine sand and gravel.
23 27 Clay bottom fine to course sand and gravel. Well @ 24'.
37 37 Same as 23 on to 27'.
41 41 Fine clean sand.
Bailed @ 20 GPM. with 2" of drawdown.
Standing water level is 18'.
41 42 Tight fine sand. Wat.
41 44 Loose mostly fine to course sand and some very small gravel.
Bailed @ 30 GPM. with 5" of drawdown.
41 49 Claybound sand and gravel. Dry.
40 55 Light green claybound sand. Wat.
55 59 Porous sandstone. Water.
59 61 Blue very hard shales. Dry.
66 72 Fine grained sandstone. Hard.
72 77 Course blue and green sandstone. Water.
72 92 Hard blue and green shales. Dry.

Open hole below casing yield was 150 GPM. was 15. Drilled down upon hole was then cased and casing perforated and developed. Well then yielded 100 GPM with 3" of drawdown.

After last test the casing was pulled and P @ A.

water level: 18', Pumping water level: 23', at 100 gals per minute measured 60 minutes after pumping began.

*Measured from ground level.

Well developed by air for 2 hours.

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

Casing pulled P @ A.

show exact depth of bottom

48S19
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: Thelma Dunn  Address: Livingston
Driller: M.E. Jones  Address: Bozeman

Date of Notice of Appropriation of Groundwater: September 1969
Date well started: Nov 13 1969  Date completed: Nov 14 1969

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

Water Use: Domestic  Municipal  Other  Irrigation
Industrial  Drainage  Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>(3/4&quot;&quot;) O.D. x 1-1/2&quot; I.D.</td>
<td>19'</td>
<td></td>
<td>None</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 6 feet.
Shut-in Pressure for Flowing Well: __________

Pumping Water Level: 20 feet at 20 gal. per minute.
Discharge in gal. per min. of flowing well: __________

How Tested: Pump
Length of Test: 1/4 hour

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

Show exact depth of bottom.

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.

45743
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Urae Clarke  
Address: Livingston, Montana

Driller: Milton E. Jones  
Address: Bozeman, Montana

Date of Notice of appropriation of groundwater: [Fill in date]

Date well started: [Fill in date]  
Date completed: [Fill in date]

Type of well: Drilled  
Equipment used: Churn Drill

(Dug, driven, bored or drilled) (Churn drill, rotary or other)

Water use: Domestic  
Municipal  
Stock  
Irrigation  
Industrial  
Drainage  
Other

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From Top (Feet)</th>
<th>To Top (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8&quot;</td>
<td>0.0</td>
<td>18</td>
<td>NONE</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Shut-in Pressure for flowing well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested

Length of Test

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

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

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

Driller's License Number

Driller's Signature

Number 17

Driller's License Number

Driller's Signature
Dec. #10060

Date: 12th day of September 1967
at 10:10 A.M.

Margaret Minnion
Clerk and Recorder,
By: 

Fee: $2.00
Top of Ground
(Gravel & Rock)

Sandy Clay & Rock

Boulders

Rock & tight sand

Clay & Hard Rock

Boulders & sand

Silt, Rock & Fine Sand

Static Water Level
11'2"

52'8" Pine Sand 2½" 3/3 wall 0 42'8"

52'8" Stainless Steel 42'8" 52'8

Layne Shutter Screen

Static Water Level for non-flowing Well 11'2" feet.

Shut-in Pressure for Flowing Well No Applicable

Pumping Water Level 38'8" feet at 1040 gal. per minute

Discharge in gal. per min. of flowing well not applicable

How Tested Turbine Pump Length of Test 16 hrs

Remarks: Gravel packing cementing packers, type of shut off, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation. Double gravel wall well with outer casing shown cemented in place above.

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.
10 B 5 21
PUCIAL 10 oc. 12 th day of
July A.D. 1865
at 9:35 west of N.
Margaret Merrick
County Clerk and Recorder.
By
No 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. **Jesse L. and Goldie M. Ferry**
   - Name of Appropriator
   - Box 256, Livingston
   - Address
   - Town

County 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>W</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1939

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:

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - Started and completed in 1939

8. The depth of water table: 6 feet down

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:
   - Aug. well, 12 feet deep

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

11. The log of formations encountered in the drilling of each well if available: not available

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

   Signature of Owner: "Goldie M. Ferry"
   Date: [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.
Declaraiion of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

City of Livingston, of Livingston
County of Park, 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 miner's inches or gallons per minute) 100 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 10 acres

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 33'

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

10. The estimated amount of groundwater withdrawn each year 1,920,000 gallons

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

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

Signature of Owner

City Clerk

Date Jan. 30, 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 School of Mines and Quadruplicate for the Appropriator.

Change in (x) made by City Clerk
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1962)

1. **City of Livingston** of **Livingston**
   (Name of Appropriator) (Address) (Town)

   County of **Park** 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
   **To be used for irrigation purposes**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   
   When weather conditions permit and have material

4. The amount of groundwater claimed (in miner's inches or gallons per minute) **100 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 **10 acres**

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   **6" Prime Steel Perforated Casing By Pumps Located in Miles Park**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   **Started on Dec. 4, 1961 and completed Dec. 7, 1961**

8. The depth of water table
   **10' to 18'**

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 3/8" O.D.; Depth 18'**

10. The estimated amount of groundwater withdrawn each year
    **1,920,000 gallons**

11. The log of formations encountered in the drilling of each well if available
    **6' to 3' soils; 3' to 18' gravels; 18' to 30' yellow gravelly limestone; 30' to 37' Colorado blue shale**

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

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

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

   Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the App appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Sacajawea Park)

1. City of Livingston, of (Name of Appropriator), Address)
   (Town)

County of ______ Park, 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: Park Irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continuous since 1951.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 300 GPM

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: 15 Acres, Lawns, Shrubbery, Trees, etc.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Started and Completed May 1951

8. The depth of water table: 4' to 7'

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: 25 Million Gallons

11. The log of formations encountered in the drilling of each well if available: 12" Top Soil, 10" Sand and Gravel (up to 32 & 4")

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: October 4, 1963

City Clerk

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.

6.1.9.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

State of Montana
Administrator of Groundwater Code
Office of State Engineer

1. Name of Appropriaor: City of Livingston
   County of Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   June, 1965

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   1100 G.P.M.

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:
   Vertical turbine pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   May, 1965 - June, 1965

8. The depth of water table:
   9 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:
   24" Stainless steel screen set at 60 ft.

10. The estimated amount of groundwater withdrawn each year:
    580 Million gallons

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

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:

   City of Livingston by:
   Signature of Owner: [Signature]
   Date: 12/3/65

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.
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>3</td>
<td></td>
<td>Fill, Clay, rock</td>
</tr>
<tr>
<td>3</td>
<td>6</td>
<td></td>
<td>Gravel and rock</td>
</tr>
<tr>
<td>6</td>
<td>10</td>
<td></td>
<td>Sandy clay and rock</td>
</tr>
<tr>
<td>10</td>
<td>14</td>
<td></td>
<td>Sand, rock, boulders and water</td>
</tr>
<tr>
<td>14</td>
<td>18</td>
<td></td>
<td>Boulders</td>
</tr>
<tr>
<td>18</td>
<td>21</td>
<td></td>
<td>Clay and hard rock</td>
</tr>
<tr>
<td>21</td>
<td>30</td>
<td></td>
<td>Boulders and sand</td>
</tr>
<tr>
<td>30</td>
<td>33</td>
<td></td>
<td>Rock and fine sand, tight</td>
</tr>
<tr>
<td>33</td>
<td>50'4&quot;</td>
<td></td>
<td>Rock</td>
</tr>
<tr>
<td>50'4&quot;</td>
<td>52'8&quot;</td>
<td></td>
<td>Rock and sand</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>Silt, rock; fine sand</td>
</tr>
</tbody>
</table>

Static water level 9 ft.
**Notice of Completion of Groundwater Appropriation by Means of Well**

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** City of Livingston  
**Address:** Livingston, Montana

**Driller:** Van Dyken Drilling Co.  
**Address:** Bozeman, Montana

**Date of Notice of appropriation of groundwater:** NONE

**Date all started:** July 12/66  
**Date completed:** July 20/66

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

**Water use:** Domestic √  Municipal √  Stock √  Irrigation √  Industrial √  Drainage √  Other √

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

<table>
<thead>
<tr>
<th>Size of Dug Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>12&quot;</td>
<td>12 3/4&quot;</td>
<td>0'</td>
<td>30'6&quot;</td>
<td>5/16&quot;</td>
</tr>
<tr>
<td></td>
<td>0.D.</td>
<td></td>
<td></td>
<td>1&quot;</td>
</tr>
<tr>
<td></td>
<td>3&quot;/6 per F.T.</td>
<td></td>
<td></td>
<td>3&quot;/6 per</td>
</tr>
<tr>
<td></td>
<td>P.E.</td>
<td></td>
<td></td>
<td>16&quot;/6 per</td>
</tr>
</tbody>
</table>

- **Static Water Level for non-flowing well:** 61/6" feet
- **Shut-In Pressure for Flowing Well:** "NONE" gal. per minute
- **Pumping Water Level:** 11" feet
- **Discharge in gal. per min. of flowing well:** "NONE"

**Centrifugal pump**

**How Tested:** "H.R.P.

**Length of Test:** 6 Hrs.

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

(Continue on reverse side)

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

**City Park lawn sprinkling.**

---

**LICENSE NO. 1**

Driller's License Number: 91,523

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. Tissue copy to be retained by driller.

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Act 190772

This tax for the 6th day of October A.D. 1966

$8.00

Marjorie Brannick
Clerk of the Court

By: [Signature]

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

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

1. Chanwell T. Libby
   (Name of Appropriator)
   of 222 South Fifth St., Livingston
   (Address)  
   County of Park  
   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, livestock and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been._early nineteen hundreds_  
   continuous since 1930

4. The amount of groundwater claimed (in miner's inches or gallons per minute) _100 gallons a 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 _10 acres of Sec. 24, T. 25, R. 98_  
   approximately one acre more or less

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: 
   electric pump
   se. 1/4 Sec. 24, T. 25, R. 98

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

8. The depth of water table: _6 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: _not available, located under house...no record_  

10. The estimated amount of groundwater withdrawn each year: _500,000_

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: _p. lat on this property is on record at court house_

Signature of Owner Chanwell T. Libby  
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 Appropriate.
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.

William Egg & Blane Eggar
Owner
Address LIVINGSTON, MONT.
Date well started 11/23/70
Date well completed 11/25/70
Type of well Drilled
Equipment used Cable tools
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 Weight of Drilling</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 1/8&quot;</td>
<td>0</td>
<td>23</td>
<td>none</td>
</tr>
</tbody>
</table>

Static water level 6' ft.
Pumping water level 10 ft.
at 10 gallons per minute,
measured 1 hour after pumping began.
*Measured from ground level.
Well developed by surging
for 2 hours.
Power: Electric Pump—Bailer HP
Remarks: (Gravel packing, cementing
packers, type of shut-off)
Fudded clays and
drill cuttings outside
of casing from 0.0 to 23

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

Driller’s Signature
Driller’s Address
LICENSE NO. 1

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>Top of Ground</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

T.D. 36' Show exact depth of bottom
4/7/79 84
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

Owner: Miss Ursula Clark
Address: Livingston, Mont.

Driller: Van Dyken Drilling
Address: Bozeman, Mont.

Date of Notice of Appropriation of Groundwater: June 25/61
Date well started: June 25/61
Date completed: June 30/61

Type of well: Drilled
Equipment used: Cable tools

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 Hole (Inches)</th>
<th>Size and Weight of Chasing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6⅝</td>
<td>6⅝. 40, D.</td>
<td>0'</td>
<td>91'</td>
<td>none</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 4' - 6'
Shut-in Pressure for Flowing Well: none
Pumping Water Level: 81' - 82' feet at: 5 gal. per minute
Discharge in gal. per min. of flowing well: none

How Tested: Bailer
Length of Test: 12 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).

License No. 2
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.
May 10th

September 1, 1964
9:05 a.m.
Margrett Mead
County Clerk and Recorder

By

Sw $2,00
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Top of Ground
Sand & Gravel

Clay

Clay & Gravel

Sand & Gravel

Sand & Fine Gravel

Bottom of well

<table>
<thead>
<tr>
<th>Kind</th>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>6 in.</td>
<td>40 ft.</td>
<td>19 ft.</td>
<td>46 ft.</td>
</tr>
</tbody>
</table>

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.

Static Water Level for non-flowing Well 31 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level 46 feet at 30 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested Pump, Length of Test 1/2 hr.

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.
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.

CITY OF LIVINGSTON, MONT.
Owner
Test well no. 1
For Administrator's Use
Address
City of Livingston,
Livingston Mont.
Date well started
2/17/71
completed
2/17/71
Type of well
Drilled
Equipment used
Rotary
Water Use: Domestic
Bankhead sand.
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>Size of Pipe</th>
<th>Year and Spring of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 5/8&quot;</td>
<td>0</td>
<td>50</td>
<td>None</td>
</tr>
</tbody>
</table>

Static water level 7 ft.*
Pumping water level 40 ft.*

Power...Gas. Pump...200 HP
Remarks: (Gravel packing, cementing, type of shutoff)

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

Each small square represents 40 acres.

Van Wassen Drilling Co.
Driller's Signature
BOZEMAN, MONTANA

Driller's Address

LICENSE NO. 1

COUNTY PARK

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 (Elev. above sea level)

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5</td>
</tr>
<tr>
<td>5</td>
<td>Top soils</td>
</tr>
<tr>
<td>22</td>
<td>Gravel and fine sand and gravel. Sandbars at 5 ft.*</td>
</tr>
<tr>
<td>22</td>
<td>Fine to coarse sands. Standing water level 7 ft.*</td>
</tr>
<tr>
<td>28</td>
<td>Fine sands, little water.</td>
</tr>
<tr>
<td>31</td>
<td>Fine sands to coarse sands, little water.</td>
</tr>
<tr>
<td>31</td>
<td>Sand and gravel up to 24 ft. gravel. Little water.</td>
</tr>
<tr>
<td>32</td>
<td>Reaming fine sands</td>
</tr>
<tr>
<td>33</td>
<td>Reaming fine sands</td>
</tr>
<tr>
<td>35</td>
<td>Claybend sands, fine to coarse. Reaming.</td>
</tr>
<tr>
<td>51</td>
<td>Other hard clay. Dry.</td>
</tr>
<tr>
<td>55</td>
<td>Hard sandstone.</td>
</tr>
<tr>
<td>55</td>
<td>40 GPM, total.</td>
</tr>
<tr>
<td>57</td>
<td>Gray claybend sand. Wet.</td>
</tr>
<tr>
<td>57</td>
<td>Block tight fine sand. Wet.</td>
</tr>
<tr>
<td>130</td>
<td>Gray and buff shales with some hard</td>
</tr>
<tr>
<td>130</td>
<td>Fossil Limestone, Dry.</td>
</tr>
<tr>
<td>130</td>
<td>Block shale. Water, soil, like gravel. Water, 100 GPM, total.</td>
</tr>
</tbody>
</table>

Well was drilled with rotary with air and made 110 GPM. Water while drilling from 57 to 59 and from 130 to 130.60 GPM total. Well was plugged after test from 133. Back up to 60.4 GPM. Well to be used for irrigation in the park.

Show exact depth of bottom

Was 133.4
**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.

**CITY OF LIVINGSTON.**

**TEST WELL NO. 2.**

**Owner Name:**

**Address:** CITY OF LIVINGSTON, MONTANA

**Date well started:** 2/26/71

**Date well completed:** 3/12/71

**Type of well:** Drilled

**Equipment used:** Rotary and Cable tools.

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

**Test well No. 2 located on 7th and 8th streets.**

**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 Liner</th>
<th>Feet</th>
<th>From</th>
<th>To</th>
<th>Kind of Water</th>
<th>Size of Liner</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 5/8&quot;</td>
<td>0</td>
<td>50</td>
<td>32' 39'</td>
<td>Slots</td>
<td>17&quot;/Per feet</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**PERFORATIONS**

**Top of Ground (Elev. above sea level):**

- 0 10 Clays
- 10 27 Fine to coarse sand and pea size gravel, slightly silty
- 27 28 Cleaner fine sand and pea size gravel, silty sand with 0' drawdown
- 37 44 Hard sand, 0' drawdown
- 44 45 Fine sand and gravel, water
- 45 55 Blue shales, dry
- 55 75 Siltstone, water
- 75 110 Sandstone Water
- 110 115 Siltstone, Water

**Well measured:** 115' from ground level

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

**Driller’s Address:** BOZEMAN, MONTANA

**Driller’s Signature:**

**STATE OF MONTANA**

**DRILLER’S LOG**

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