# WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Harold Bolter</td>
</tr>
<tr>
<td>Address</td>
<td>Loma, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Blackfoot</td>
</tr>
<tr>
<td>Address</td>
<td>Loma, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>This is part of the</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Water rights</td>
</tr>
<tr>
<td>Location</td>
<td>Sec 21, T 86 R 27 W 1/4</td>
</tr>
<tr>
<td>Type of well</td>
<td>Spring</td>
</tr>
<tr>
<td>Equipment used</td>
<td>(Churn drill, rotary, other)</td>
</tr>
<tr>
<td>Water use</td>
<td>Stock, Irrigation</td>
</tr>
<tr>
<td>Casing</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Type</td>
<td>Screened</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
<td>Feet</td>
</tr>
<tr>
<td>Shut-in pressure, for non-flowing well</td>
<td>lb/sq.in. on: (date)</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>feet at</td>
</tr>
<tr>
<td>How tested</td>
<td>12 gpm</td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>Gravel packing, cementing,</td>
</tr>
<tr>
<td></td>
<td>packers, type of shut-off,</td>
</tr>
<tr>
<td></td>
<td>depth of shut-off</td>
</tr>
</tbody>
</table>

(over)
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Dec. 1, 1962

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 9,916

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: Trees, Lawn, Garden, Same

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Dec. 1, 1962

8. The depth of water table: 8

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: 30'-14'

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: Sand 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:

   Signature of Owner: LeRoy D. Hord
   Date: 12/23/62

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.

26/51
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 4/1/60
Owner: Floyd J. Larson
Address:some, Mont.
Contractor (if any): __________________________
Address of Contractor: __________________________
Date Started: 3/6/60 Date Completed: 4/1/60
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable: Spring, 200' up from surface.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use: 12 mo.

Signature of Owner: Floyd J. Larson
Date: __________________________

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner
Floyd J. Larson

Address
Tomas
Mont.

Contractor (if any)

Address of Contractor

Date Started

Date Completed

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

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

12 mo. per year
200 gal. per day estimated

Signature of Owner
Floyd J. Larson

Date
12/3/63

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Abramson, Anna M</td>
<td>C-1</td>
<td>346922</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>John Lulme</td>
<td>B-1</td>
<td>346925</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Charles Wilson</td>
<td>C-1</td>
<td>346922</td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   before 1900, has been in continual use since

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 to which water has been applied and name of the owner thereof
   garden and lawn

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 1910

8. The depth of water table 6 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 12 foot dug well

10. The estimated amount of groundwater withdrawn each year 100,000 gallons

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 Annabel Schoenover
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.
MONTANA BUREAU OF MINES AND GEOLOGY
Suite, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Ted Morral</td>
</tr>
<tr>
<td>Address</td>
<td>Loma, Mont.</td>
</tr>
<tr>
<td>Driller</td>
<td>R. M. Black</td>
</tr>
<tr>
<td>Address</td>
<td>Big Sandy, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>Aug. 24, 1960</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Sept. 30, 1960</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 9, T. 25 W, R. 10 E, 3/4 sec.</td>
</tr>
<tr>
<td>Type of well</td>
<td>6 in. drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>22 ft. hand auger drill</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic [x]</td>
</tr>
<tr>
<td></td>
<td>Municipal [ ]</td>
</tr>
<tr>
<td></td>
<td>Stock [ ]</td>
</tr>
<tr>
<td></td>
<td>Irrigation [ ]</td>
</tr>
<tr>
<td></td>
<td>Industrial [ ]</td>
</tr>
<tr>
<td></td>
<td>Drainage [ ]</td>
</tr>
<tr>
<td></td>
<td>Other [ ]</td>
</tr>
<tr>
<td>Casing</td>
<td>0 ft. to 33 ft.</td>
</tr>
<tr>
<td></td>
<td>Type: threaded coupling</td>
</tr>
<tr>
<td></td>
<td>Size: 5 in. O.D.</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>225 ft. to 25 ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Long slot torch cut</td>
</tr>
<tr>
<td>Static Water level</td>
<td>190 ft. from surface</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>2 lb/sq. in. on: (date)</td>
</tr>
<tr>
<td>Pumping water level</td>
<td>pumps down 4 feet at approx. 3 gal. per minute</td>
</tr>
<tr>
<td>How tested</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td>two days</td>
</tr>
<tr>
<td>Remarks</td>
<td>gravel packed with washed pea size gravel from bottom hole to surface</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>surface soil</td>
</tr>
<tr>
<td>12</td>
<td>yellowish clay</td>
</tr>
<tr>
<td>20</td>
<td>dark grey shale</td>
</tr>
<tr>
<td>95</td>
<td>light grey shale</td>
</tr>
<tr>
<td>130</td>
<td>dark grey shale hard</td>
</tr>
<tr>
<td>215</td>
<td>light grey shale</td>
</tr>
<tr>
<td>230</td>
<td>very light color shale, part sandy, producing water approx. 3 gal. per minute</td>
</tr>
<tr>
<td>245</td>
<td>light grey shale</td>
</tr>
<tr>
<td>285</td>
<td>dark grey shale, some shells and cavers</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Charley Worrall
   (Name of Appropriator)
   (Address)
   (Town)
   County of Chouteau
   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: Montana

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 25, 1960

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 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: Electric

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: September 17, 1960, September 25, 1960

   8. The depth of water table: 160 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: 275 feet deep, 50 casing

   10. The estimated amount of groundwater withdrawn each year: 100,000 gallons


   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: Charley Worrall
   Date: 12-30-63

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 School of Mines and Quadruplicate for the Appropriator.

26278
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>4</td>
<td>George E. Schlaak</td>
<td>GW 2</td>
<td>376204</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Pat C &amp; Martha E. Stevens</td>
<td>GW 4</td>
<td>3461528</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Pat C &amp; Martha E. Stevens</td>
<td>GW 3</td>
<td>346527</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Joel Anderson &amp; Sons</td>
<td>GW 4</td>
<td>347171</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Joel Anderson &amp; Sons</td>
<td>GW 4</td>
<td>347174</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Clinton E. Stenback</td>
<td>GW 4</td>
<td>346182</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Clinton E. Stenback</td>
<td>GW 4</td>
<td>346183</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Pat C &amp; Martha E. Stevens</td>
<td>GW 4</td>
<td>346526</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Whittie C. &amp; Joyce H. Hyatt</td>
<td>1957</td>
<td>18</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Whittie C. &amp; Joyce H. Hyatt</td>
<td>1957</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>
**STATE OF MONTANA**
**ADMINISTRATOR OF GROUNDWATER CODE**
**MONTANA WATER RESOURCES BOARD**

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

Developed after January 1, 1962

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

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

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

---

**Owner:** George R. Schlack

**Address:** Big Sandy, Mt.

**Date well started:** Nov. 1943

**Date well completed:** Nov. 1943

**Type of well:** Churn drill

**Equipment used:** Churn drill

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

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

---

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Ft.)</th>
<th>To (Ft.)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot;</td>
<td>252</td>
<td>252</td>
<td>none</td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>From (Ft.)</th>
<th>To (Ft.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>none</td>
<td>none</td>
</tr>
</tbody>
</table>

**Static water level:** 248 ft.

**Pumping water level:** 190 ft.

**Pumping at:** 10 gallons per minute measured 100 minutes after pumping began.

**Measured from ground level.**

**Well developed by pumping for:** 24 hours.

**Power:** X Pump HP

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

---

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

**EACH SMALL SQUARE REPRESENTS 40 ACRES.**

**Driller is deceased.**

**Driller’s Signature:**

**Driller’s Address:**

**LICENSE NO.**

---

**DRILLER’S LOG**

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

Box 706

1. Rae C. A. Martha E. Stevenson, of Big Sandy, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

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

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

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1920
Owner: Rae C. & Martha E. Stevens
Address: Box 706, Big Sandy, Montana
Contractor (if any): none
Address of Contractor: none
Date Started: unknown
Date Completed: unknown

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

Spring developed with collecting tank and watering tank

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

approximately 2 gallons per minute constant use for stock water

Signature of Owner: Rae C. Stevens
Date: December 16, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriation.
# Declaration of Vested Groundwater Rights

1. **Noel Anderson & Sons**, of *Fort Benton, MT*
   - **Name of Appropriator**
   - **Address**
   - **Town**

   **County of Chouteau, State of Montana**

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

   1. **Beneficial Use on which the claim is based**: *stockwater*
   2. **Date or approximate date of earliest beneficial use; and how continuous the use has been**: *1958*
   3. **Amount of groundwater claimed (in miner’s inches or gallons per minute)**: *
   4. **If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof**: *not applicable*
   5. **Means of withdrawing such water from the ground and the location of each well or other means of withdrawal**: *electric pump*
   6. **Date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater**: *1956*
   7. **Depth of water table**: *fifteen 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**: *drilled well, 30 feet deep with 5 inch metal casing*
   9. **Estimated amount of groundwater withdrawn each year**: *500,000 gallons*

   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.

---

File No:...

T. 26, R. 11

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

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

(Under Chapter 237, Montana Session Laws, 1961)

1. **Noel Anderson & Sons**
   - **Name of Appropriator**
   - **Address**
   - **Town**

2. The beneficial use on which the claim is based
   - **stock water**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   - **October, 1963**

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

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

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
   - **started and completed in October, 1963**

8. The depth of water table
   - **twelve 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
   - **dug well; fifteen feet deep; 5 foot casing**

10. The estimated amount of groundwater withdrawn each year
    - **500,000 gallons**

11. The log of formations encountered in the drilling of each well if available
    - **0 = 15 foot 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
    - **not available**

**Signature of Owner:**

**Date:** Dec. 31, 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.

2477
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Clinton G. Stranahan, of P. O. Box 25 Fort Benton
   (Name of Appropriator) (Address) (Town)
   County of Chouteau 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 is for irrigating yard and garden and for fire protection. Also for stock

   3. Date or approximate date of earliest beneficial use; and how discontinuous the use has been. October 1956. Well has been in continuous use since that time

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) Five (5) gallons per minute

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. About 2 acres of land around house in this location in the summer time. For stock in winter

   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. Work commenced about middle of September 1956 and completed about the first of October 1956

   8. The depth of water table 16 feet from the surface of ground and extends to 20 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. A two-inch pipe extends to about 27 feet below the surface of ground. A 3/4 inch pipe is placed inside the 2 inch end and thru this 3/4 inch pipe the water is drawn. Water emerges from well at basement level about 15 feet below the surface of ground. This keeps it from freezing in winter time when water is used for cattle or other livestock.

   10. The estimated amount of groundwater withdrawn each year 40,000 gallons withdrawn each yr.

   11. The log of formations encountered in the drilling of each well if available. First 18 feet of top soil was a sandy loam, From there to a depth of 30 feet the formation was sand and gravel with coarser gravel showing at the lowest 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. This well is not used for livestock evry year, but is used every year for irrigation and fire protection and is located less than one fourth mile from the banks of Missouri river in Sec 21

   Signature of Owner
   Date Nov 24, 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 Approporator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Clinton S. Strangeau, of P.O. Box 25, Fort Benton, Montana.
   (Name of Appropriator) (Address) (Town)

   County of Chouteau 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 is for watering livestock.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been. May of 1938 and has been used intermittently since that time.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 41 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. Never used for irrigation.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal by hand pump and later by gasoline engine & pump jack.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well was started about the middle of April in 1938 and completed early in May the same year.

   8. The depth of water table. Water obtained about 14.5 feet below the surface. 15 ft 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. Sand point was driven to a depth of 20 feet below the surface. A three inch brass cylinder was placed at the bottom of the digging with pump rod operated by a pump jack driven by a 1/2 horse gasoline engine. Water was first used for livestock. Well is not operated every year. Only when livestock is pastured on the ranch.

   10. The estimated amount of groundwater withdrawn each year 50,000 gallons per when well used.

   11. The log of formations encountered in the drilling of each well if available. First 14.5 feet was of sandy loam, with intermittent streaks of black humus soil, every two or three feet. Gravel located at 14.5 feet below surface, becoming coarser as depth increased. Gravel extended to at least 38 feet below surface. Well did did go below the 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. This well is located not more than a thousand feet from the banks of the Missouri River in Section 21.

   Signature of Owner
   Date Apr. 26, 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.
<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**STATE OF INDIANA**

**COUNTY OF CROCKETT**

**FILE:**

**Filed Dec. 2, 1963**

[Signature]

[Signature]

[Signature]
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Clinton G. Stranahan, of P. O. Box 23, Fort Benton
   (Name of Apprator) (Address) (Town)

   County of Chouteau, 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
      Primary
      ______________________
      ______________________

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      December 1955 the well was completed and has been in continuous use until
      the present time

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
      Sec. 21 T. 26 N. R. 111
      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
      by hand pump
      at first, later by gasoline pump and by
electric pump at the present time

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Well started about November 30th, 1955 and completed
      two days later or about December 2, 1955

   8. The depth of water table
      16 feet from the surface of the ground and extends to 30 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
      A two-inch pipe extends to about 28 feet
      below the surface of ground. A 3/4 inch pipe extends nearly to bottom of 2 inch pipe. The 3/4 inch pipe has screen and foot valve on the bottom of 4
      Water emerges from well at basement floor level about 15 feet below surface
      of ground. The 3/4 in. pipe inside the 2 in. is covered to keep it sanitary

   10. The estimated amount of groundwater withdrawn each year
      440,000 gallons

   11. The log of formations encountered in the drilling of each well if available
      the first 18 feet from
      the surface was sandy loam soil, below that was sand and gravel with large
      stones near the bottom of the well

   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
      This well was driven at a point not
      more than one quarter mile from the bank of the Missouri River in Sec. 21

      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 School of Mines and Quadruplicate for the Apprator.
Notice of Completion of Groundwater Appropriation

Without Well

(Under Chapter 297 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1936

Rae C. and Box 706

Owner: Martha E. Stavan
Address: Big Sandy, Montana

Contractor (if any): none
Address of Contractor: none

Date Started: unknown
Date Completed: unknown

Describe means of obtaining groundwater without a well as by sub-irrigation and other natural processes: spring flows by natural process

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use: 3 gal. per minute flows into catch reservoir

Signature of Owner: Rae C. Stavan
Date: December 16, 1963

This form to be prepared by contractor (if any), otherwise by the owner.

Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.

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

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

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Walter O. Hyatt &amp; Olaf M. Hyatt</td>
<td>Fort Benton, Montana</td>
<td>William Fuller</td>
<td>Geraldine, Montana</td>
</tr>
</tbody>
</table>

**Date Started:** Jan. 15, 1955  
**Date Completed:** Feb. 5, 1955

**Location:** Sec. 25  
T. 26S  
R. W6E  
§ sec. N6E

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

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

**Casing:**  
- 9 ft. to 200 ft. Type: Iron, Size: 4-inch

**Perforated or Screened:**  
- 60 ft. to 200 ft.

**Type of screen or perforations:** holes in casing

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

**Shut-in pressure, for flowing well:**  
- unknown in that it has never been used at full pump (date)

**Pumping water level:**  
- unknown

**How tested:** Never tested

**Length of test:**

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

(over)
## WATER WELL LOG

**Owner:** Walter C. Hyatt & Clela M. Hyatt  
**Address:** Fort Benton, Montana  
**Driller:** William Fuller  
**Address:** Geraldine, Montana  
**Date Started:** 9-1-55  
**Date Completed:** 9-16-55  
**Location:** Sec. 255, T. 26N., R. 46E.  

### Type of well
- Drilled

### Equipment used
- Churn Drill

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

### Casing
- 0 ft. to 373 ft.: Type [Iron], Size 4 inch
- 373 ft. to: Type [ ], Size [ ]

### Perforated or Screened
- 60 ft. to 373 ft.: Type [ ]

### Type of screen or perforations
- None

### Static Water level, for non-flowing well
- 60 ft.

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

### Pumping water level
- 60 ft. at unknown gal. per min.

### How tested
- Never

### Length of test
- [ ]

### Remarks
- Gravel packing

---

(over)
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Fish &amp; Game Department</td>
<td>G102</td>
<td>36-2428</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Mau &amp; Helen Tracy</td>
<td>G104</td>
<td>36-2036</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Knothornus, Inc</td>
<td>G102</td>
<td>366.009</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Knothornus, Inc</td>
<td>G103</td>
<td>366.009</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>A&amp;J Ranch</td>
<td>G103</td>
<td>11-1142</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Neil Anderson &amp; Sons</td>
<td>G102</td>
<td>341-232</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Ernest Tracy</td>
<td>G102</td>
<td>347232</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Walter C. Neff &amp; M. Clay</td>
<td></td>
<td>1957</td>
<td>Re</td>
</tr>
<tr>
<td>31</td>
<td>Walter C. Neff &amp; M. Clay</td>
<td></td>
<td>1957</td>
<td>Re</td>
</tr>
<tr>
<td>31</td>
<td>Walter C. &amp; Ada M. Clay</td>
<td>G102</td>
<td>347/726</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Walter C. Clay</td>
<td>G102</td>
<td>3412357</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963

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

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1963

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

State of Montana

Owner: Fish & Game Department
Address: Helena, Montana

Driller: Hi-Line Drilling Service
Address: Helena, Montana

Date of Notice of appropriation of groundwater: October 25, 1970

Date well started: October 25, 1970

Date completed: October 29, 1970

Type of well: Drilled

Equipment used: Cable Tool Rig

Water use: Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □ Recreation

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>Stratum</th>
<th>Character</th>
<th>Thickness</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Mostly sand &amp; large gravel</td>
<td>depth at which water is encountered</td>
</tr>
<tr>
<td>2</td>
<td>Mostly sand &amp; large gravel to 14&quot; diameter</td>
<td>water flow increased to 25 GPM</td>
</tr>
<tr>
<td>3</td>
<td>Sand &amp; gravel (1 ft. size to 12&quot; diameter)</td>
<td>water flow increased to 25 GPM</td>
</tr>
<tr>
<td>4</td>
<td>Water</td>
<td>approx. 18 GPM</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 16 ft.

Shut-in Pressure for Flowing Well: Not applicable

Pumping Water Level: 22 feet

Discharge in gal. per min. of flowing well: Not applicable

How Tested: Test pump

Length of Test: 8 hours

Remarks: (Gravel packing, cementing, packers, type of shutter, etc.) Upon completion of well, cement grout was placed around outside of casing from 17 feet level back to surface to prevent surface contamination.

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

Date: 4/17/80
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Glen Y. Allen Perry, of Zane, Montana
   (Name of Appropriator) (Address) (Town)

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been 1949 - continuous

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

   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 1949

   8. The depth of water table 33 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 drilled 23 ft.

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

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

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

   Signature of Owner

   Date Dec. 31, 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.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)
Route 1
Owner: Knottners, Inc. Address: Loma, Montana

Date of Notice of appropriation of groundwater: November 4, 1970. Date completed: November 7, 1970.

Type of well: Drilled. Equipment used: Cable tool rig (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 depths at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

| Date of Notice of appropriation of groundwater | 11/4/70 |
| Type of well | Drilled |
| Equipment used | Cable tool rig |

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

<table>
<thead>
<tr>
<th>Size of Defini</th>
<th>Size and Weight</th>
<th>Pumping Water Level (Feet)</th>
<th>Static Water Level (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>48&quot; Diameter</td>
<td>Culvert</td>
<td>7 feet</td>
<td>16 1/2 feet</td>
</tr>
<tr>
<td>8 5/8&quot; Od</td>
<td>2 1/2 foot</td>
<td>6 1/2 feet</td>
<td>16 1/2 feet</td>
</tr>
</tbody>
</table>

| Perforations | No perforations-
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Water coming in thru drive collar at 30 ft. level.</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 16 1/2 feet
Shut-in Pressure for flowing well: Not applicable
Pumping Water Level: 16 1/2 feet at 25 gal. per minute.
Discharge in gal. per min. of flowing well: Not applicable
How Tested: Test pump
Length of Test: 8 hours
Remarks: (Gravel packing, cementing, packers, type of shut-off)

(Continue on reverse side)

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

This form to be prepared by driller, and three copies to be filled 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 No. 
Driller's Signature.
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: Kootenai, Inc. Address: Loma, Montana

Route 1

Date of Notice of appropriation of groundwater: October 30, 1972

Date well started: October 30, 1972

Date completed: November 4, 1972

Type of well: Drilled

Equipment used: Cable Tool Rig (Dug, driven, bored or drilled)

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

Industrial [ ] Drainage [ ] Other [ ]

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 5/8</td>
<td>8 5/8 OD 1 foot 243 ft. above 250 wall ground Steel level</td>
<td>35 1/2</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 18 1/2 feet.

Shut-In Pressure for Flowing Well: Not applicable

Pumping Water Level: 28 feet at 25 gal. per minute.

Discharge in gal. per min. of flowing well: Not applicable

How Tested: Test pump

Length of Test: 8 hours

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.

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

(Continue on reverse side)

Driller's License Number

Robert Dore

Driller's Signature

49,358
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1982
(Under Chapter 237, Montana Session Laws, 1961)

Owner: M.B. Ranch
Address: Fort Benton, MT

Date of Notice of appropriation of groundwater: April 26, 1965
Date well started: April 26, 1965
Date completed: May 4, 1965

Type of well: Drilled
Type of equipment used: Dug, Driven, bored, or gravel

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 Drill Bit</th>
<th>From</th>
<th>To</th>
<th>Blasted Size</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>9 1/2&quot;</td>
<td></td>
<td>0</td>
<td>1 0/3&quot;</td>
<td>1 6/3&quot;</td>
<td>1 35&quot;</td>
<td>205&quot;</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 124 feet
Shut-in Pressure for Flowing Well: 206 feet
Pumping Water Level: 206 feet
Discharge in gal. per min. of flowing well: Not reducible

How tested: Pressure test
Length of Test: 11 hours

Remarks: (Gravel packing, cementing, packers, type of shutting off, etc.).

Scale: Inn. 1000 100 10 1

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 Name: Robert Paine
Driller’s Signature: [Signature]

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of Appropriation of Groundwater: June 25, 1963

Date Completed: July 3, 1963

File No. -

Mine: Blackfoot

Type of Well Drilled:  

Equipment Used: 

Type:
- Drilled (dog, driven, bored or drilled)
- Bored or churn drilled

Water Use:
- Domestic
- Municipal
- Other
- Irrigation

Other:
- Industrial
- Drainage
- Stock

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

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>Static Water Level</th>
<th>Shut-in Pressure</th>
<th>Pumping Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td>None</td>
<td>None</td>
<td>None</td>
</tr>
</tbody>
</table>

Show exact depth of bottom.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: [Name]
Address: [Address]
Driller: [Name]
Address: [Address]

Date of Notice of Appropriation of Groundwater: [Date]

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

Type of well: [Type] Equipment Used: [Equipment]
(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>4 9/16&quot;</td>
<td>1 5/16&quot;</td>
<td>10.98&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

Show exact depth of bottom.

Static Water Level for non-flowing well: [Depth] feet.

Shut-in Pressure for flowing well: [Pressure]

Pumping Water Level: [Depth] feet at [Flow] gal. per minute.

Discharge in gal. per min. of flowing well: [Flow]

How Tested: [Method] Length of Test: [Length]

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: [Number]

Driller’s Signature: [Signature]

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
WATER WELL LOG

**Owner:** Walter C. Hyatt & Greta M. Hyatt  
**Address:** Fort Benton, Montana

**Driller:** unknown  
**Address:**

**Date Started:** Homestead day  
**Date Completed:**

**Location:** Sec. 30  
T. 26N  
R. 12E  
¼ sec. 31½

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>churn drill</th>
</tr>
</thead>
</table>

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

**Casing:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 99 ft.</td>
<td>iron</td>
<td>6 inch</td>
</tr>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

**Perforated or Screened:**

<table>
<thead>
<tr>
<th>Depth</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>...</td>
<td>...</td>
<td>...</td>
</tr>
</tbody>
</table>

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 40 ft. (feet)

**Shut-in pressure, for flowing well:** none (lb/sq. in. on:) 

**Pumping water level:** 40 ft. 

**How tested:** never tested

**Length of test:**

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

unknown

(over)
**WATER WELL LOG**

**Owner:** Walter C. Hyatt & Carla H. Hyatt  
**Address:** Fort Benton, Montana  

**Driller:** unknown  
**Address:**  

**Date Started:** unknown  
**Date Completed:**  

**Location:** Sec. 31  
**T. 26N  
**R. 128  
**W1/4 sec. NW1/4**

**Type of well:** drilled  
**Equipment used:**  
**Churn Drill** (Churn drill, rotary, other)

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

- **Casing:** from ft. to ft.  
  - Type: iron  
  - Size: 6 inch

- **Perforated or Screened:** from ft. to ft.  
- **Type of screen or perforations:** unknown

**Static Water level, for non-flowing well:** 50 ft.  
**Shut-in pressure, for flowing well:** 0 lb./sq. in.  
**Pumping water level:** 50 ft.  
**How tested:** never

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

---

*over*
Notice of Completion of Groundwater Appropriation by Means of Well

Owner: CLARK HATTON
Address: Fort Benton

Driller: Simpson Drilling Co.
Address: Malta, Montana

Date of Notice of appropriation of ground water
Date well started: 10/8/63
Date completed: 10/10/63

Type of well: Drilled
Equipment used: Cable tools
(Dug, driven, bored or 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 Foot</th>
<th>To Foot</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5</td>
<td>4 1/2 ID 8 inches</td>
<td>1 1/2</td>
<td>125</td>
<td></td>
</tr>
</tbody>
</table>

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

How Tested: bailer
Length of Test: 1 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)

Driller's License Number
Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** W. C. Hyatt  
**Address:** Fort Benton, Mont.

**Driller:** Self

**Notice of Completion of Groundwater Appropriation by Means of Well**

**Date of Notice of Appropriation of Groundwater:** June 15, 1963

**Date Well Started:** June 15, 1963  
**Date Completed:** June 15, 1963

**Type of well:** Dug  
**Equipment Used:** (Churn, drill, rotary or bored)

**Water Use:** Domestic X  
**Municipal □**  
**Other □**  
**Irrigation □**

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

<table>
<thead>
<tr>
<th>Riser 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>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
<td>n/a</td>
</tr>
</tbody>
</table>

**Static Water Level for Non-Flowing Well:** 3 feet

**Shut-in Pressure for Flowing Well:** n/a

**Pumping Water Level:** 8 feet at 10 gal. per minute.

**Discharge in gal. per min. of flowing well:** n/a

**How Tested:** n/a  
**Length of Test:** n/a

**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)

1 foot culvert curb

**Driller's License Number:** n/a

**Driller's Signature:** W. C. Hyatt

---

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>T. M. Quinn</td>
<td>GW4</td>
<td>346104</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Mildred Koel</td>
<td>GW3</td>
<td>275073</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Alman O. Henderson</td>
<td>GW3</td>
<td>346505</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Alman O. Henderson</td>
<td>GW4</td>
<td>356541</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Spring Lake</td>
<td>GW4</td>
<td>306556</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Harry Osterman</td>
<td>GW3</td>
<td>271579</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Henry Osterman</td>
<td>GW3</td>
<td>371381</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Hazold &amp; E. Allen</td>
<td>GW3</td>
<td>347069</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Ray &amp; Ruth F. Bogan</td>
<td>GW4</td>
<td>346734</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>Ray &amp; Ruth F. Bogan</td>
<td>GW3</td>
<td>371391</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>A. V. Darlington</td>
<td>GW3</td>
<td>372301</td>
<td></td>
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<tr>
<td>32</td>
<td>Altony Osterman</td>
<td>GW3</td>
<td>271378</td>
<td></td>
</tr>
<tr>
<td>34</td>
<td>Clarence Allen</td>
<td>GW4</td>
<td>346809</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. T. M. QUINN
(Name of Appropriator)

County of CHouteau
(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: HUMAN

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

4. The amount of groundwater claimed (in million barrels or gallons per minute)

5. If used for irrigation, give the acreage and description of the land 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

32. 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: T. M. QUINN
Date: Nov 27, 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.
**STATE OF MONTANA**  
**ADMINISTRATOR OF GROUNDWATER CODE**  
**MONTANA WATER RESOURCES BOARD**

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION**

Developed After January 1, 1962

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

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

---

<table>
<thead>
<tr>
<th>For Administrator’s Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>File: 31/513</td>
</tr>
<tr>
<td>GW 1 400000</td>
</tr>
</tbody>
</table>

---

<table>
<thead>
<tr>
<th>Owner: Mildred Hoge</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address: Big Sandy, Montana</td>
</tr>
<tr>
<td>Contractor (if any): None</td>
</tr>
<tr>
<td>Date Started: 1950</td>
</tr>
<tr>
<td>Date Completed: 1950</td>
</tr>
</tbody>
</table>

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

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

3. Depth of water table

4. Use of the water
   - Stock-water

5. Amount of groundwater claimed (in miner’s inches or gallons per minute)
   - 2 gallons per minute

6. If used for irrigation, give number of acres and description of land
   - None

7. Estimate amount of water used each year

8. Months of year spring flows
   - Year-round

---

**INDICATE POINT OF APPROPRIATION AND PLACE OF USE, IF POSSIBLE.**

Elevation of spring, if known or estimated

---

**Signature of Owner: Mildred Hoge**

Date: 6-29-73

54078