I certify that I received and filed this instrument on this 39th day of Dec., 1963, at 2:10 p.m.

F. B. Moore
County Recorder

By: Deputy
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater:

JOSEPH W. GRANELLA

Address: 705 W. 9th St., Hamilton, Montana

Contractor (if any)

Address of Contractor

Date Started: Mar. 30, 1964
Date Completed: Apr. 3, 1964

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

Depth to water: 3' 5"

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:

Average per minute: Measured
with 1 gt can and timer
Intermittent drawdown use

Approx amount of use 2 - 3 hours daily

Signature of Owner: JOSEPH W. GRANELLA

Date: Apr. 3, 1964

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; quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 9th day of April, 1964, at 3:00 o'clock P.M.

[Signature]

County Recorder

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

(*Developed after January 1, 1962*)

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

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:** Allen Kilgore  
**Address:** Hamilton, Montana  
**File:** S5/4  
**Date well started:** Sept. 29, 1971  
**Date well completed:** Sept. 30, 1971  
**Type of well:** Drilled  
**Equipment used:** Churn Drill  
**Water Use:** Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

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

**ESTIMATED ANNUAL WITHDRAWAL:** unknown

<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>17 lbs. per ft.</td>
<td>0</td>
<td>29</td>
<td>3/16x5</td>
</tr>
</tbody>
</table>

Static water level 5 ft.  
Pumping water level 19 ft.  
of 160 gallons per minute measured 15 minutes after pumping began.

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

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

**Driller's Signature:** Ravalli Drilling Co.

**Driller's Address:** Box 27, Victor, Montana  
**LICENSE NO.:** 2000

---

**Top of Ground (feet above sea level):**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>29</td>
</tr>
</tbody>
</table>

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

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

JOSEPH W. GARNELLA.

(P.O. BOX 742) HAMILTON

(State of Montana)

County of RAVALLI

(Name of Appropriator)

(Address)

(Town)

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

2. The beneficial use on which the claim is based

HOUSEHOLD
USE + GARDEN DRINKING SYSTEM

3. Date or approximate date of earliest beneficial use; and how continuously

have no exact knowledge. House is approx. 30 years old. Approx. well in use all that time. So,

have no knowledge. Continuous pumping.

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

per minute) Unable to answer this question due to lack of technical knowledge.

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 USE APPROX. 1/2 ACRE

6. The means of withdrawing such water from the ground and the location

of each well or other means of withdrawal

PUMPED FROM WELL (ONE WELL ONLY)

7. The date of commencement and completion of the construction of the well

wells, or other means for withdrawal of groundwater

1963. Former owner resided there for approx. 15 years. The best of my knowledge well was in use all that time.

8. The depth of water table

TOLD APPROX. 60'

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

APPROX. DEPTH 60'; TYPE, SIZE UNKNOWN. GENERAL SPECIFICATIONS UNKNOWN. WATER WITHDRAWN BY

PUMP

10. The estimated amount of groundwater withdrawn each year

NOT QUALIFIED TO JUDGE

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.

LEGAL DESCRIPTION - SEC. 11, T. 6, R. 21 (BOOK 1, PAGE 40)

DATE: Dec 19, 1963

Signature of Owner

GARNELLA

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.
I certify that I received and filed this instrument on this, 19th
day of ________, 19__, at __________ o'clock, P.M.

____________________________
COUNTY RECORDER

____________________________
DEPUTY
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:  

Owner:  David Bennett
Address:  

Contractor (if any):  
Address of Contractor:  

Date Started:  1940  Date Completed:  1941

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

Water seeps out of ground

And ditches that I have dug.

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.

This is approx 5000 gallons
flowing in the summer time.

Signature of Owner:  David Bennett  
Date:  Dec 30 1943

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

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

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

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

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1967)

1. John F. & Lucile Achleitner, of Hamilton, Montana
   (Name of Appropriator) (Address)

   County of Ravalli, State of Montana
   (County of Approp. State of)

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

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

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

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

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:

   Used for one-half acre of garden

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: 1962

8. The depth of water table: Four 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, twenty feet deep, three feet wide

10. The estimated amount of groundwater withdrawn each year: Not possible to estimate

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:

   No other information

   Signature of Owner:

   Date: Dec. 30, 1963.

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation Without Well

(State of Montana, Administrator of Groundwater Code, Office of State Engineer)

Date of Appropriation of Groundwater: Dec 30, 1963
Owner: John B. & Lucile Aheilpoln
Address: Rte. 2, Box 99, Hamilton, Montana
Contractor (if any): Morgenstern
Address of Contractor: Missoula, Mont.
Date Started: May 1961
Date Completed: May 1961

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

Drain Ditch

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:

Twenty inches

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

Signature of Owner: John B. Aheilpoln
Date: Dec 30, 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.
I certify that I received and filed this
instrument on the 31st
day of Dec., 1963, at 12:52
o'clock P.M.

F. G. Moore
COUNTY RECORDER

By: [Signature]
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 & Lucile Acheson
   of Hamilton
   (Address) (Town)
   County of Ravalli
   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

3. Date or approximate date of earliest beneficial use: About 1952
   Every Year

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

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: Pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1952

8. The depth of water table: Four 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, lined with ten-inch pipe
   Thirteen feet deep

10. The estimated amount of groundwater withdrawn each year: Not possible to estimate

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: No other information

Signature of Owner: John Acheson
Date: Dec 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 31st day of Dec., 1953, at 12:53 P.M.

L. G. Moore
COUNTY RECORDER

By: Shirley Keith
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. Henry C. Oppegaard  of Rt. 2, Box 63 Hamilton
   (Name of Appropriator) (Address) (Town)

   County of Ravalli  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 use and stockwater irrigation.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Unknown, but at least 30 years or more. Use has been continuous.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 25 gallons per minute.

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: well located in SW¼SW¼ of 11 T.6N. R.21W; water withdrawn by means of well pipe and pump.

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

    8. The depth of water table: about 35 feet.

    9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: rock cased well, about 35 feet deep. About 2½ well pipe, with pump and electric motor.

    10. The estimated amount of groundwater withdrawn each year: unknown. 4,000,000 gallons per y.

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

    12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: None.

   Signature of Owner: Henry C. Oppegaard
   Date: February 10, 1964

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.
I certify that I received and filed this instrument on the 11th
day of Feb., 1964, at 4:35
o'clock P.M.

J. A. Moore
COUNTY RECORDER

By: DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

(Under Chapter 27 of 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.

Oppenward

Owner: Henry Oppenward
Address: Hamilton, Montana

Date well started: Oct. 21, 1971
Date well completed: Oct. 21, 1971

Type of well: Drilled
Equipment used: Churn Drill

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

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

ESTIMATED ANNUAL WITHDRAWAL: Unknown

Top of Ground

<table>
<thead>
<tr>
<th>Layer</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topsoil</td>
</tr>
<tr>
<td>30</td>
<td>Decomposed granite at sand, boulders, clay intermittent layers</td>
</tr>
<tr>
<td>38</td>
<td>Sand, gravel water bearing</td>
</tr>
</tbody>
</table>

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

Driller's Signature: Charles W. J. Savalli
Driller's Address: BOX 27, Victor, Montana

LICENSE NO. 200
I. **State of Montana**
II. **Administrator of Groundwater Code**
III. **Office of State Engineer**

**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**Appropriator:** Clarence L. Reid

**Address:** 202 S. Bok 62, Hamilton

**Town:** Ravalli

**State of Montana**

I. **County:** Ravalli

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

   - **Water for Irrigation**

3. **Date or approximate date of earliest beneficial use and how continuously:**

   - **1923**

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

   - **15 inches**

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:**

   - **3 acres, farming operating 800 ft. S.W. ½ Sec. 11T. U.R. 31**

   - **Not applicable**

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

   - **1923**

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

   - **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:**

   - **Spring, surface pipe, pipe line up stream 800 ft.**

10. **The estimated amount of groundwater withdrawn each year:**

    - **15 inches**

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:** Clarence L. Reid

**Date:** 12-30-62

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 Montana Bureau of Mines and Geology; and Quadruplicate of the Appropriator.

File No. 00001

Approved Blank Form—State Publishing Co., Helena, Montana, 1 961
I certify that I received and filed this:

[Handwritten text]

By

[Handwritten name]

[Handwritten signature]
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: JAN. 22 - 1964
Owner: CLARENCE KEID
Address: HAMILTON, MONT
Contractor (if any): None
Address of Contractor: None
Date Started: Not Applicable
Date Completed: Not Applicable

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

NATURAL SUB-IRRIGATION AND SURFACE WASTE WATER ENTERING PROPERTY AT X on SKETCH - SURFACE TO EIGHT FT DEPTH.

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:

20 inches - Estimated May 1st to Oct 1st yearly.

Signature of Owner: CLARENCE KEID
Date: Jan. 22 - 1964

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.
I certify that I received and filed this instrument on this 22nd day of Jan., 1910, at 11:10 A.M.

[Signature]

County Recorder
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: May 22, 1963
Owner: Frank J. Rumley Address: Hamilton, Montana
Contractor (if any): Bob C. Coter
Address of Contractor: Missoula, Montana
Date Started: May 22, 1963 Date Completed: May 22, 1963
Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable.

S. W. 1/4 N. E. 1/4; Sec. 21, T. 6 N., R. 111, W. 4

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.

From May 1 to October 31.
10 to 20 inches.

Signature of Owner: Frank J. Rumley
Date: May 21, 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.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: January 1, 1968
Owner: Frank R. Ruemle
Address: Hamilton, Montana
Contractor (if any): Bob C. Colwell
Address of Contractor: Hamilton, Montana
Date Started: January 1, 1968
Date Completed: February 1, 1968

Describe means of obtaining groundwater without a well "as by sub-irrigation and other 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 lengths of periods of use.

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.
# MONTANA BUREAU OF MINES AND GEOLOGY

## WATER WELL LOG

**Owner:** Frank W. Rummel  
**Address:** Hamilton

**Driller:** Frank W. Rummel  
**Address:** Hamilton

**Date Started:** June 10, 1924  
**Date Completed:** June 20, 1924

**Location:** Sec. 11 T. 6 N. R. 21 W. 4/4 sec.

---

<table>
<thead>
<tr>
<th>Type of Well</th>
<th>Dug</th>
<th>Equipment Used</th>
<th>Hand Shovel</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Other</th>
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<table>
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<tr>
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<th>0 ft. to 5 ft.</th>
<th>Type</th>
<th>cement</th>
<th>Size</th>
<th>4-1/2 ft.</th>
<th>x</th>
<th>4-1/2 ft.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing</th>
<th>5 ft. to</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
</table>

**Perforated or Screened:**

- Screen on bottom of pipe

**Type of Screen or Perforations:**

- Screen on end of 2" pipe, inserted in cement casing

**Static Water level, for non-flowing well:** fills to overflow pipe about 2" below ground

**Shut-in pressure, for flowing well:** no pressure, 15 lb./sq. in. on 6/30/24

**Pumping water level:** 25 gal. per min.

**How tested:** by use since June 20, 1924

---

**Remarks:**

This is a flowing well; it was dug out and concreted with drain pipe of unsealed 4" pipe about 12 rods long flowing into the concrete well to pick up underground water, besides the water that rises in the well. Water comes in from the drain pipe and from the bottom of the well. The well and drain pipe flows enough water to give a heavy gravity pressure into the house about 60 rods East of the well. The pipe starts out as a 2" pipe for 200', then is a 1-1/2" pipe for 370', and the balance is a 1" pipe and is under heavy pressure from a 1/2" fall.
# Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0 ft</td>
<td>3 ft.</td>
</tr>
<tr>
<td>3 ft</td>
<td>5 ft.</td>
</tr>
</tbody>
</table>

Signed by [Signature]

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

Granite Boulders

Layer of hard Gray Granite (Small Amt. of Water)

Heaving Sand

Hard Layer of Cement Gravel (Course Sand)

Some Cobble Gravel

Owner: W. D. McMillan
Address: Hamilton

Driller: Gerald Quigley
Address: Hamilton

Date of Notice of Appropriation of Groundwater: May 21, 1968

Date well started: April 25, 1968

Date Completed: May 2, 1968

Type of well: Domestic

Equipment Used: Cable Tool

(dug, driven, bored or drilled)

Water Use: Domestic (X) Municipal () Stock () Irrigation ( )

Industrial ( ) Drainage ( ) Other ( )

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

<table>
<thead>
<tr>
<th>Size of</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steel 6&quot;</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: 15 feet at 15 gal. per minute.

Discharge in gal., per min. of flowing well

How Tested: Pump & 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)

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

Show exact depth of bottom

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

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

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

Driller's Signature

[Signature]

Ravalli County

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

GW 2

File No. T R

RECEIVED

JUN 13, 1968

Montana Water Resources Board

Notice of Completion of Groundwater Appropriation by Means of Well

(State of Montana, Administrator of Groundwater Code, Office of State Engineer

Granite Boulders

Layer of hard Gray Granite (Small Amt. of Water)

Heaving Sand

Hard Layer of Cement Gravel (Course Sand)

Some Cobble Gravel

Owner: W. D. McMillan
Address: Hamilton

Driller: Gerald Quigley
Address: Hamilton

Date of Notice of Appropriation of Groundwater: May 21, 1968

Date well started: April 25, 1968

Date Completed: May 2, 1968

Type of well: Domestic (X) Municipal () Stock () Irrigation ( )

Industrial ( ) Drainage ( ) Other ( )

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

<table>
<thead>
<tr>
<th>Size of</th>
<th>Perforations</th>
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<tbody>
<tr>
<td>Steel 6&quot;</td>
<td>None</td>
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</tbody>
</table>

Static Water Level for non-flowing Well: 6 feet.

Shut-in Pressure for Flowing Well

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

Discharge in gal., per min. of flowing well

How Tested: Pump & 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)

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

Show exact depth of bottom

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

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

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

Driller's Signature

[Signature]
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: About 1907 or 1908.
and Mary McKillop, as joint tenants
Owner: Hughie McKillop / Address: Rt. 2, Box 105
Hamilton, Montana

Contractor (if any): Unknown
Address of Contractor: Unknown

Date Started: Unknown / Date Completed: about 1908

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. By a series of four drain ditches situated primarily in the SW\NW\ and SE\NE\ of Section 11, Township 6 North, Range 21 W.M.P.M., Ravalli County, Montana, with the-southeasterly-end-of-one-drain-running-into-the-SW\NW\ of Section 12. Said drains generally running-in-a-southeasterly-direction.

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. The use is for irrigation of the SW\NW\, N\NE\SW\ and N\SE\SW\ of Section 12, and SE\NE\ and part SW\NE\ of Section 11, Twp. 6 N., Rge. 21 W., during irrigation season, and for stock water. The quantity of water depends upon the season, but the total amounts averages about forty miners inches. The water is removed from the drain ditches by a series of irrigation ditches by gravity flow.

Signature of Owner: 
Date: December 26, 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.
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:**

**Address:**

**Date well started:** 1960

**Date well completed:**

**Type of well:**

**Equipment used:**

**Water Use:**

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Sludge
- Other
- Garden/Lawn

**Describe:**

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

**ESTIMATED ANNUAL WITHDRAWAL:**

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Size and Depth of Water</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
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</thead>
<tbody>
<tr>
<td>6'</td>
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</table>

**PITFALLS:**

<table>
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<tr>
<th>From (Ft)</th>
<th>To (Ft)</th>
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</table>

**Static water level:** 20 ft.

**Pumping water level:** 10 ft.

**At:**

**gallons per minute:**

**measured:**

**minutes after pumping began:**

**Measured from ground level.**

**Well developed by:**

**for:**

**Power:**

**Pump:**

**HP:**

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

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

**Driller's Signature:**

**Driller's Address:**

**LICENSE NO.:**

- **Show exact depth of bottom:** 40'
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator)  
(Address)  
(Town)

County of....  
State of....

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

<table>
<thead>
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</tbody>
</table>

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

3. Date or approximate date of earliest beneficial use, and how continuously 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 the withdrawal of groundwater.

8. The depth of water table...

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner

Date

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this... (31st)
day of... Dec... 1963, at 11:15 A.M.

J. G. Moore
COUNTY RECORDER

By: Shirley Keith
DEPUTY
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Alex N. Deitz...of...Hamilton...
   (Name of Appropriator) (Address) (Town)
   County of...Falls...State of...Montana...

   I 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...Lawn...garden...house...stock...water...

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

   4. The amount of groundwater claimed (in inches or gallons per minute)...10,000...

   5. If used for irrigation, give the acreage and description of the land on which water has been applied and name of the owner thereof...I. Re...Cows...and...garden...

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

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

   8. The depth of water table...10...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...WELL...30...feet...10...depth...60...Casing...

   10. The estimated amount of groundwater withdrawn each year...300,...mm...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...Alex...Deitz...
   Date...1/3/1962...

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.
I certify that I received and filed this instrument on this 31st day of December, 1963, at 1:38 o'clock P.M.

F. H. Moore
COUNTY RECORDER

By: Shirley Keith
DEPUTY
Form: Declaration of Vested Groundwater Rights

1. Name of Appropriator: Bert A. Dye, of Pryor, Montana
   Address: 123 Main St, Pryor, MT

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1928, continuous

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

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

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

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

8. The depth of water table: 50 feet

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

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

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

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: Bert A. Dye
Date: March 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.
I certify that I received and filed this instrument on this 23rd day of June, 1924, at 3:24 o'clock P.M.

Z. A. Moore
Deputy Recorder
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

Contractor (if any)

Address of Contractor

Date Started

Date Completed

Describe means of obtaining groundwater without a well "as by sub irrigation and other natural processes". Include depth to water when applicable. These are springs with drain ditch close to drain them.

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. These springs range from 1 to 30 inches of water depending on the season in summer they are used for irrigation, in winter for stock.

Signature of Owner

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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.

Dec 26 1963

STATE ENGINEER
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner

Contractor (if any)

Address of Contractor

Date Started

Date Completed

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

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.

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

Signature of Owner

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 Montana Bureau of Mines and Geology and quadruplicate for the Appropiator.
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
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<tbody>
<tr>
<td>Owner</td>
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<tr>
<td>Contractor (if any)</td>
<td></td>
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<tr>
<td>Address of Contractor</td>
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<tr>
<td>Date Started</td>
<td></td>
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<tr>
<td>Date Completed</td>
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</tbody>
</table>

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

- **Natural Spring**

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

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

**Continuous flow into Blodgett Creek at present used as Stock Water**

About 15 Million inches

Signature of Owner: Judith A. Campbell

Date: Dec 31, 1962

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.
### Declaration of Vested Groundwater Rights

**(Under Chapter 237, Montana Session Laws, 1961)**

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**Declaration of Vested Groundwater Rights**

1. **Russell Anderson & Agnes Anderson**
   - Box 124
   - Rt. 2
   - Hamilton
   - (Address)
   - (Town)

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

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</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...Irrigation, stock and domestic use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Spring-continuous since 1883, Wells-continuous since June 1953.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). All of water, 40 or more from spring. Domestic water from well.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof. 28 acres North 30 rods of NE NE 1/4 and that part of NE NE 1/4 west of highway in Section 12, and the South 66 1/2 feet of SE SE 1/4 of Section 15 west of highway, Township 6, Range 21 West.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Spring-steady flow at surface without pump or any other means of withdrawal. Well-Electric Pump.

7. The date of commencement and completion of the construction of the well, wells, or other work for withdrawal of groundwater. Spring-concrete curbing in place many years. Well—completed June, 1953.

8. The depth of water table. 15 feet. Well—15 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. Well—42 feet deep, 4-inch casing, drilled. 21 feet of water.

10. The estimated amount of groundwater withdrawn each year. Unknown.

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. Spring-described in deed dated April 9, 1908, recorded in Volume 25 of Deeds at page 379.

---

Signature of Owner: Russell Anderson
Date: December 9, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on the 17th day of Dec., 1963, at 3:10 P.M.

[Signature]

County Recorder
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:_________________________
Owner:_________________________ Address:_________________________
Contractor (if any):_________________________ Address of Contractor:_________________________
Date Started:_________________________ Date Completed:_________________________

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

Natural Spring

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:

Continuous flow into Bledgett Creek at present used as stock water.

About 20 miner inches.

Signature of Owner:_________________________ 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 Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
I certify that I received and filed this instrument on this 31st of
day at 12 o'clock, 1943, at____.

[Signature]

[Signature]

By [Signature]

[Title]
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: December 28, 1963

Owner: J.C. Remmel
Address: Hamilton, Montana

Contractor (If any): Folk
Address of Contractor: Unknown

Date Started: April 1, 1963
Date Completed: April 1, 1963

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. This is a dug drain ditch thirty six inches deep used to sub-irrigate and outlet for flood irrigation

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. The water

varies from ten to thirty six inches, water measured. Used from April one to December one for irrigation and balance of year—measured water

Signature of Owner: J.C. Remmel
Date: Dec. 28, 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.
I certify that I received and filed the
instrument on the 30th
day of \text{Dec.} \text{, 1920}

\text{J. H. Moore} \\
\text{Sheriff} \\
\text{Huntsville, Al} \\
\text{P. W. Faile}
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: December 28, 1963
Owner: J. C. Russel
Address: Hamilton, Montana
Contractor (if any): D. Moore
Address of Contractor: unknown
Date Started: May 1951
Date Completed: May 1951

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

- This is a dug ditch 36" deep
- Check dams are used for sub-irrigation place
- Overflow to ditches for flood-irrigation
- Water runs the year around

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.

Water flow varies from ten to fifty inches, was measured.
Water is used for irrigation from April one through December one and for stock-water the rest of the year.

Signature of Owner: J. C. Russel
Date: Dec 28, 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 Appropriaor.
I certify that I received and filed this instrument on the 30th day of Dec., 1863, at 9:18 o'clock a.m.

F. H. Moore
County Recorder
By: Shirley Keith
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

Declaration of Vested Groundwater Rights  
(Under Chapter 237, Montana Session Laws, 1962)  

1. Robert Chamberlain, of Box 132, Hamilton  
(Name of Appropriator) (Address) (Town)  

County of Hamilton, 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:  
   Fill Pond, Gravel Washing Plant.  

3. Date or approximate date of earliest beneficial use: September 1960; used as needed.  

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 100 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: September 1960.  

8. The depth of water table: 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.  

10. The estimated amount of groundwater withdrawn each year: 10,000,000 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: Robert Chamberlain  
Date: Nov. 27, 1962.  

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; Quadruplicate for the Appropriator.
I certify that I received and filed this

present on the 30th
rel. Nov. 62, at 1:52
at No.

J. B. Moore

A. Leeing Keith
**WATER WELL LOG**

**Owner:** John Chris, R. Varia, M. Burns
**Address:** Hamilton, Montana

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

**Date Started:** November 1951
**Date Completed:** March 1951

**Location:** Sec. 12, T. 6 N., R. 21 W., 4th. Mer.

**Type of well:** Dug
**Equipment used:** Hand dug

**Water use:** Domestic, Irrigation

**Casing:**
- 20 ft. to 60 ft.
- 20 ft. to 20 ft.
- 60 ft. to 80 ft.

**Type of screen or perforations:** Gravel, Steel, Wire Mesh

**Static Water level, for non-flowing well:** 21 feet.

**Shut-in pressure, for flowing well:** 21 lb./sq. in. on: (date)

**Pumping water level:** 161 feet at 12:00 gal. per min. (Continued)

**How tested:** Static electric, lump

**Length of test:**

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

---

(over)
T. 6 R. 21
County. RAVALLI

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: John Clyde R. Parma, M. Furnal
Address: Hamilton, Montana
Driller: Address

Date Started: November 1951  Date Completed: March 1951
Location: Sec. 12 T. 6 R. 21  ¼ sec. N0NE

Type of well: Drilled
Equipment used: Hand aug

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

Industrial [ ]  Drainage [ ]  Other [ ]

Casing: Ground level: ft. to ft. Type: Concrete  Size: 5  Foot Dia.
Casing: ft. to ft. Type: Welded steel  Size: 5  Foot Dia.
Casing: ft. to ft. Type:  Size:

Perforated or Screened: Ft. to ft. to ft. Ft. to ft.
Type of screen or perforations: Welded Steel Pipe

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. (GPM)

How tested: hp Electric Pump

Length of test: Season

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

(over)
**WATER WELL LOG**

Owner: Mr. & Mrs. Vern Roark  
Address: Hamilton

Griller: Nowbry  
Address: Missoula

Date Started: 1943  
Date Completed: 1943

Location: Sec 12 T 6 R 21  
Sec SE SW

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used</td>
<td>Regular Drill Rig</td>
</tr>
</tbody>
</table>

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

Casing:  
- [X] 113 ft to top ft  
- Type: Standard  
- Size: 4 in

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

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

Perforated or Screened:  
- [ ] None  
- [ ] to ft  
- [ ] to ft

Type of screen or perforations:  

Static Water level, for non-flowing well:  

Shut-in pressure, for flowing well:  

Pumping water level:  
- [X] 58 ft  
- Feet at Water at Top  
- gal per min: 20

How tested:  
- [X] With Baler

Length of test:  
- [X] With Baler & since steady with pump

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

Water comes to top and flows a real small stream by passing pump out over the hill when pump is not in operation

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top Soil</td>
</tr>
<tr>
<td>10</td>
<td>Gravel Course</td>
</tr>
<tr>
<td>20</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>Boulder &amp; Clay</td>
</tr>
<tr>
<td>40</td>
<td>Same</td>
</tr>
<tr>
<td>50</td>
<td>Course Gravel</td>
</tr>
<tr>
<td>60</td>
<td>Sand &amp; Clay</td>
</tr>
<tr>
<td>80</td>
<td>Same</td>
</tr>
<tr>
<td>100</td>
<td>Fine Sand &amp; Gravel</td>
</tr>
<tr>
<td>105</td>
<td>Course Gravel &amp; Water</td>
</tr>
<tr>
<td>113</td>
<td>Pea Gravel &amp; Water</td>
</tr>
</tbody>
</table>

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**Log of Well**

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

Earl Earl Good
(Name of Appropriator)

Address
(Town)

County of Ravalli
State of Montana

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

1. The beneficial use on which the claim is based is irrigation and livestock water.

2. Date or approximate date of earliest beneficial use; and how continuous the use has been is fifty and more years.

3. The amount of groundwater claimed in miner's inches or gallons per minute is all available.

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

5. 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 are natural springs to be utilized by gravity feed through established ditches or by sprinkler irrigation.

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

8. The depth of water table is natural surface springs.

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 are mentioned.

10. The estimated amount of groundwater withdrawn each year is.

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

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 are.

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.