### WATER WELL LOG

**Location:** Sec. 19 T. 15 R. 17; 1/4 sec. 4

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ramsey, Mont</td>
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</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
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<td>Meander, Mont</td>
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</table>

**Date Started:** 2-13-1957  
**Date Completed:** 6-7-1957

**Type of well:** 
- [ ] Dug
- [ ] Driven
- [ ] Bored
- [ ] Drilled

**Equipment used:** 
- [ ] Regulation
- [ ] Rotary
- [ ] Other:

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

**Casing:** 
- [ ] 0 ft. to 15 ft.  
- [ ] 15 ft. to 25 ft.

**Perforated or Screened:** 
- [ ] 15 ft. to 25 ft.

**Type of screen or perforations:** 
- [ ] [ ] [ ]

**Static Water level, for non-flowing well:** 12 feet

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

**Pumping water level:** 
- [ ] 0 feet at 12 gal. per min.

**How tested:**
- [ ] [ ]

**Length of test:** 1 hr.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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<tbody>
<tr>
<td>0 - 5</td>
<td>Salt</td>
</tr>
<tr>
<td>5 - 20</td>
<td>Sand and clay</td>
</tr>
</tbody>
</table>

*Note: Depth measurements.*
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

2. The beneficial use on which the claim is based:
domestic and farm use, and stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
About March 1955 and continuous since

4. The amount of groundwater claimed (in miner's inches or gallons per minute): about 8 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 into pressure tank, well in Southeast Quarter of the Southeast Quarter of Section 20, T. 18, R. 17

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
About March, 1955

8. The depth of water table:
About 300'

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 drilled 150', cased with 4 1/4" casing to 140' depth, used for domestic use, filling spray tanks and tank for watering livestock is situated near

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

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

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

Signature of Owner

Date: DECEMBER 30, 1963

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

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

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

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

1. Joe J. Cramer
   (Name of Appropriator)
   of Lewers, Montana
   (Address) (Town)

   County of Lewis
   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:
   1/1/1932 - 5 min.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 1 gallon 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:
   Location: Sec. 20, T. 18 N., R. 17 W.

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: 8 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:
   1 1/2 inch, 1 1/2 inch, 1 1/2 inch, 1 1/2 inch, 1 1/2 inch, 1 1/2 inch

10. The estimated amount of groundwater withdrawn each year: 16,000 gallons

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

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

Signature of Owner: Joe J. Cramer
Date:

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

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

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

Filed: DEC 19 1963
11:55 A.M.

Larry Martin
Clerk of Court and Recorder

16932
COPY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Charles P. & Virginia R. Deloney

(Name of Appropriator)

of 316 Hawthorn Av., Lewistown

(Address)

(Town)

County of Fergus

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, domestic, & field sprayer use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been November 1, 1965; continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Do not know exactly this well has never been pluviated dry. At times, water 100 head cattle in corrals.

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

Only for house lawn & small garden

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

Electric pump system and also a windmill

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

Dug and completed in fall of 1966

8. The depth of water table

About 20 feet, or less

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 hand-dug well about four feet in diameter, bricked, and about 50 feet deep

10. The estimated amount of groundwater withdrawn each year

Difficult to estimate. Only source of all domestic, corral & outbuildings watering

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

Clay, sandstone, rock, & some quicksand

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

Vital to farm & ranch operations


\[ Signature \]

Date 4-26-1963

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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
17049
COPY.

State of Missouri,
Count of Platte

DEC 26 1963

Filed 11:45 a.m.


County Clerk and Recorder

26-62.
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriate (Address) (Town)

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

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

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

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner: Anna M. Skamek

Date: 12-17-63

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

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

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

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

1. MABEL LUCAS, of Danvers,
   (Name of Appropriator) (Address) (Town)
   County of Fergus 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: Housekeeping

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1920

4. The amount of groundwater claimed, (in miner's inches or gallons per minute): 1/2 gal. per minute

5. If used for irrigation, give the amount 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: Hand pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1920

8. The depth of water table: 25 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:
   Borehole 25 ft. deep, and so
   ended up.

10. The estimated amount of groundwater withdrawn each year: 18,000 gal.

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

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 MABEL LUCAS
Date Dec. 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
# Declaration of Vested Groundwater Rights

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

1. **EDWARD C. GREJAUX**, of *DAVIES, MONTANA*  
   (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:

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<thead>
<tr>
<th>N</th>
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<th>S</th>
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</table>

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute)  
   about 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  
   no irrigation now

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
   *By drilled well in Northwest Corner of said NE 3/4, Sec. 8, T. 84 N., R. 174, E. 13 E.*  

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
   *Completed about 10 years ago*

8. The depth of water table  
   about 5 to 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  
   Drilled well 60 feet deep, based with about 10 ft. casing in the sandstone; pump which can be operated by hand, by the windmill there or by connecting a motor to the pump jack there;

10. The estimated amount of groundwater withdrawn each year  
    about 250,000 gallons per year

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  
    *Used for stockwater as needed, impossible to pump the well dry*

Signature of Owner: **EDWARD C. GREJAUX**  
Date: **December 29, 1965**

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. OLGA HARTMAN
   (Name of Appropriator)
of 3213 3rd Ave. S., Lewistown
   (Address)
   (Town)
   County of Fergus
   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
   
   Drinking & stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1. Spring improved 30 yrs.
   2. Well - 1948 Continuous use.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute)
   1. Spring - 50 gal per min.
   2. Well - 10 gal per min.
   3. Well - 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
   1. 2. 3. None

6. The means of withdrawing such water from the ground and the location of such well or other means of withdrawal
   1. Spring flowing. 2 & 3 Wells on pumps

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   2. Well 1948
   3. Well 1953

8. The depth of water table
   60 ft. Approx

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 withdrawal of groundwater
   2. Wall 6" casing, 60 ft deep.
   3. Wall 36" culvert 14 ft deep.

10. The estimated amount of groundwater withdrawn each year
    Never determined

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

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

Signature of Owner

Date

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

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

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

BE it

E. C.
at 9:15 o'clock a.m.

$3

MAY BATHBUN
County Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Charles F. Dolsen & Virginia R. Dolsen, of 310 Hawthorne Ave., Lewistown
   (Name of Approprior) (Address) (Town)

County of Fergus
State of Montana

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) spring runs water continuously through 1" pipe

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
   Has never been used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Flowing spring run through underground pipe

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   Developed in 1949; improved with gravity pipe & tank about 1955

8. The depth of water table About three 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
   Three foot spring, dug out, pipe put in and covered w/ 6' rocks; one-half inch stream flowing through pipe & into stock tank

10. The estimated amount of groundwater withdrawn each year Continuous g inch flow

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

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

   Only source of water in far pasture for cattle

Signature of Owner Virginia R. Dolsen
Date 12/14/1961

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 Appropriorator.
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<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>6/14</td>
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<td>Scott, Rex T.</td>
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<td>Chiles, Jane</td>
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<td>Rogers, Curtis J.</td>
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<td>Van Haux, Jerry</td>
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STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. (Name of Appropriator) of (Address)
County of (Town) 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: 

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner: 
Date: 

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

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

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

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

1. Name of Appropriator: DANYES
   Address: MONTANA
   Town: MONTANA
   County of Appropriation: Fergus
   State of Appropriation: MONTANA
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

   Stock water

   Date or approximate date of earliest beneficial use: About 1950 and used continuously since;

   The amount of groundwater claimed: About 3 gallons per minute

   The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Well drilled 120' deep cased with 4' casing to the bottom and perforated; withdrawn by windmill and piped into three stock tanks

   The estimated amount of groundwater withdrawn each year: About 700,000 gallons per year

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

   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: DANYES
   Date: DECEMBER 30, 1963

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

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

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

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

1. Evan Phillips
   William Phillips
   of: ____________________________
   (Name of Appropriator) (Address)

   County of ________________
   State of ________________

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

   - Stock water
   - Household use

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

   3. Date or approximate date of earliest beneficial use: ________ Oct. 12, 1957 ________

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: ________ Oct. 12, 1957 ________

   8. The depth of water table: ________ 4 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: ________ 4 in. x 40 gal. ________

   10. The estimated amount of groundwater withdrawn each year: ________ 40 gal. ________

   11. The log of formations encountered in the drilling of each well if available...Black-loam, 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 APPLICABLE ________

Mrs. Edith Cooke
Evan Phillips
John Phillips

Date: Dec 5, 1963

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

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

Filed DECEM. 18, 1963
at 12:20 P.M.


County Clerk and Recorder
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 Fergus, State of Montana

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

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

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: July 1907.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 gal. 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: N.C.T. APPLICABLE.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 1907, July 1907.

8. The depth of water table: 18 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: 4x4x35.

10. The estimated amount of groundwater withdrawn each year: 1,000 gal.

11. The log of formations encountered in the drilling of each well if available: clay, gravel and sand rock.

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

Evan Phillips
Signature of Appropriator

John Phillips
Signature of Owner

Date: Dec 5, 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.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Evan Phillips & William Phillips, of
   (Address) (Name of Appropriator)

   County of Pondera, State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   Aug. 1936, Six months each yr.

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

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

8. The depth of water table
   5 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
   Dug 4x4x8

10. The estimated amount of groundwater withdrawn each year
    6500 gal.

11. The log of formations encountered in the drilling of each well if available
    Sandy gravel
    Black loam

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

   Date: Dec. 5, 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.

   11340.
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:

1. Unauthorized Use

2. The beneficial use on which the claim is based: Household, Stock Water, __________

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: __________ 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: __________ 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

Date __________

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

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

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

Filed DEC 30, 1919

J. H. S. 10 a.m. P.M.

$ 2.00

MAY PATHEON

Connie Clerk and Recorder
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Christina</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Town</td>
<td></td>
</tr>
<tr>
<td>County of Fergus</td>
<td></td>
</tr>
<tr>
<td>State of Montana</td>
<td></td>
</tr>
</tbody>
</table>

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 domestic use.

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

   June, 1953 - continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 12 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 used for irrigation

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

   Artesian well

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

   June, 1953

8. The depth of water table

   Artesian well - top of the ground

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

   none - Artesian

10. The estimated amount of groundwater withdrawn each year

    6 gallons per minute

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

    332 feet of clagett — 44 feet of eagle

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

    none

Signature of Owner

Date: December 12, 1963

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

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

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

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

Owner: Curtis D. Rogers  
Address: 3619 Sixth St., Great Falls, Mont.

Driller: M. McCausland  
Address: Great Falls, Mont.

Date of Notice of appropriation of groundwater: Mar. 29, 1968
Date well started: Apr. 2, 1968
Date complete: Apr. 2, 1968

Type of well: Drilled
Equipment used: Rotary

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>Depth (ft)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 20</td>
<td>Clay soil</td>
</tr>
<tr>
<td>20 - 160</td>
<td>Clayey shale</td>
</tr>
<tr>
<td>160 - 285</td>
<td>Eagle sand</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Size of Defined Hole</th>
<th>Size and Weight of Cutting</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in.</td>
<td>15 lbs</td>
<td>0</td>
<td>200</td>
</tr>
<tr>
<td>3 3/4 in.</td>
<td>3/4 lbs</td>
<td>200</td>
<td>215</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 60 feet
Shut-in Pressure for Flowing Well: 150 feet
Pumping Water Level: 160 feet
Discharge in gal. per min. of flowing well: 300 gal.

How Tested: Balanced
Length of Test: 3 days
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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, no state, otherwise the form will be returned.

Driller’s License Number: 14,159

Driller’s Signature: M. McCausland

14,159
**Water Well Log**

**Owner:** Carroll Windell  
**Address:** Hilser, Mont

**Driller:** R. Misenor  
**Address:** Butte, Montana

**Date Started:** September 10, 1961  
**Date Completed:** September 23, 1961

**Location:** Sec. 19 T. 134 R. 128 E. 1 sec. 14

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

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

**Casing:**  
- 3544 ft. to 3550 ft. Type 74.100 gal. cemented on bottom
- Cemented with five sacks of cement
- Type: 74.100 gal. Size

**Perforated or Screened:**  
- Ft. 103.9, 40 ft. perforated cemented on bottom

**Type of screen or perforations:**

**Static Water Level, for non-flowing well:**  
- Foot

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

**Pumping water level:**  
- 4 to 10 gal. per min.

**How tested:**  
- Used a bucket and timed it.

**Length of test:**

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

**Well Running:**  
- Good water, soft; about 8 to 10 gallons a minute; cased with 7/8 in. 40-00 gal. casing on bottom; 130-9 perforated casing set on bottom cemented with five sacks of cement to about 10 ft. shut-off valve.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-10</td>
<td>Gravel Sandy Shale</td>
</tr>
<tr>
<td>10-15</td>
<td>Gravel</td>
</tr>
<tr>
<td>15-20</td>
<td>&quot; shale gray</td>
</tr>
<tr>
<td>20-45</td>
<td>&quot; shale gray</td>
</tr>
<tr>
<td>45-55</td>
<td>Mud stone with concretions</td>
</tr>
<tr>
<td>55-85</td>
<td>Bentonite (pure)</td>
</tr>
<tr>
<td>85-165</td>
<td>Gray shale &amp; Bentonite</td>
</tr>
<tr>
<td>165-175</td>
<td>Shale</td>
</tr>
<tr>
<td>175-177</td>
<td>Sand - concretions</td>
</tr>
<tr>
<td>200-209</td>
<td>Gravel shale and sand (dead oil)</td>
</tr>
<tr>
<td>209-215</td>
<td>Top of Eagle (Black Stones)</td>
</tr>
<tr>
<td>215-230</td>
<td>Shale Bentonite and sand (asoca)</td>
</tr>
<tr>
<td>230-354</td>
<td>Gray to white sand (water)</td>
</tr>
<tr>
<td></td>
<td>(the last fifteen feet showed coal)</td>
</tr>
<tr>
<td>354-358</td>
<td>Gray sandy shale with white, chalky flakes; looked like gravel.</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS

UNDER CHAPTER 237, MONTANA SESSION LAWS, 1961

CAROLL L. SWINDELL, of HILGER, MONTANA

County of Fergus, 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, household use, yard irrigation

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: Sept. 23, 1961; continuous

4. The amount of water 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: Used for trees and lawns

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pump for household use; artesian for livestock and yard irrigation

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: commenced Sept. 10, 1961; completed Sept. 23, 1961

8. The depth of water table: 230 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: Type - Drilled; size - 4½; depth - 358 feet

10. The estimated amount of groundwater withdrawn each year: 5,356,000 gallons per year

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

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

Signature of appropriator: Date: NOVEMBER 7, 1962

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

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

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

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

1. Name of Appropriator: ____________________________ Address: ____________________________
   (Name of Appropriator) (Address) (Town)

2. The beneficial use on which the claim is based:
   ___________________________________________________________
   ___________________________________________________________
   Handed for Livestock Water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   ___________________________________________________________
   ___________________________________________________________
   June 23d, 1865; run been used every year since then.

4. The amount of groundwater claimed (in miner's inches or gallons per minute).
   ___________________________________________________________
   ___________________________________________________________
   Two 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:
   ___________________________________________________________
   ___________________________________________________________
   Storied,” Sec. 20.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   ___________________________________________________________
   ___________________________________________________________
   Construction commenced Oct. 2, 1869; and completed Oct. 11, 1869.

8. The depth of water table:
   ___________________________________________________________
   ___________________________________________________________
   Not applicable.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   ___________________________________________________________
   ___________________________________________________________
   An excavation five feet wide by six feet long and three feet deep was made, and the sides were curbed up with rocks, and the top was covered with planks. The end of the pipe is 1½ inches above the bottom of the collection.

10. The estimated amount of groundwater withdrawn each year.
    ___________________________________________________________
        ___________________________________________________________
        ______________________________ 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.
    ___________________________________________________________
        ___________________________________________________________
        Reference.

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

(Under Chapter 237, Montana Session Laws, 1961)

**State of Montana**  
**Administrator of Groundwater Code**  
**Office of State Engineer**

**County:** Fergus  
**File No:** T. 13 R. 18

---

**Top of Ground**

<table>
<thead>
<tr>
<th>Layer</th>
<th>Height (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>16</td>
<td>Overburden</td>
</tr>
<tr>
<td>190</td>
<td>Grey shale</td>
</tr>
<tr>
<td>225</td>
<td>Soft sandstone &amp; shale layers</td>
</tr>
<tr>
<td>275</td>
<td>Soft grey shale</td>
</tr>
<tr>
<td>312</td>
<td>Layers grey shale &amp; soft sandstone</td>
</tr>
<tr>
<td>350</td>
<td>Soft grey shale</td>
</tr>
<tr>
<td>375</td>
<td>Soft fairly coarse white sandstone with layers tan</td>
</tr>
</tbody>
</table>

**Bottom (water)**

<table>
<thead>
<tr>
<th>Layer</th>
<th>Height (feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td></td>
</tr>
</tbody>
</table>

**Driller:** Roy Underlin  
**Address:** Hilver, Mont.

**Driller:** Thatcher Drilling  
**Address:** Stanford, Mont.

---

**Date of Notice of Appropriation of Groundwater:**  
**Date of Notice of Appropriation of Groundwater:**  
**Date well started:** 10-20-63  
**Date completed:** 11-20-63

**Type of well:** Drilled  
**Equipment Used:** Rotary

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

---

**Static Water Level for non-flowing well...** 15 feet.

**Shut-in Pressure for flowing well...**

**Pumping Water Level...** 40 feet at 1000 gal. per minute.

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

**How Tested...** boiler  
**Length of Test...** 3 hrs.

**Remarps:** (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 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.**

**Size of Drilled Hole**: 5/52"  
**Size and Weight of casing**: Plastic 0 60 375'  
**Kind of Flow**: 1/2"  
**Flow From**: 275 375'  

**Show exact depth of bottom.**  
**Static Water Level for non-flowing Well...** 15 feet.

---

**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 the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Jerry VanHaur
(Name of Appropriator)

County of Fergus
State of Montana

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

1. Irvin VanHaur, 5, 6
   (Name of Appropriator)
   (Address)
   (Town)

2. The beneficial use on which the claim is based:
   1—stock well
   2—stock spring
   3—stock spring
   4—well
   5—spring well
   6—domestic & stock well

3. Date or approximate date of earliest beneficial use and how continuous the use has been:
   1—1960 to date
   2—1880 to date
   3—1880 to date
   4—1904 to 1949
   5—1980 to date
   6—1904 to date

4. The amount of groundwater claimed (in miner’s inches or gallons per minute):
   1—10gpm
   2—400gpm
   3—20gpm
   4—40gpm
   5—10gpm
   6—20gpm

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 used for irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   1—pump
   2—spring
   3—spring
   4—pump
   5—spring and pump
   6—pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1—1960
   2—1904
   3—1954
   4—1904

8. The depth of water table:
   1—50ft.
   2—10ft.
   3—10ft.
   4—50ft.
   5—0 to 10ft.
   6—50ft.

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:
   1—2ft dia 10ft x 100ft deep
   2—200 sq yd bog
   3—10 ft dug well
   4—50 ft dug well
   5—60 gal dug well plus 180ft drilled well
   6—total of six sites—18,000,000 gal

10. The estimated amount of groundwater withdrawn each year:
    none available

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>
   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 Appropriate wat.
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)

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: ________________
   - For livestock water

3. Date or approximate date of earliest beneficial use, and how continuous the use has been since that date: ________________
   - Since 1942

4. The amount of groundwater claimed (in miner's inches or gallons per minute): ________________
   - Live 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: ________________
   - From well, spring through 4.0 feet of 1½ in. pipe by gravity to stock tank

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: ________________
   - Approximately four feet

9. The log of formations encountered in the drilling of each well if available: ________________
   - Not applicable

10. The estimated amount of groundwater withdrawn each year: ________________
    - 2,000,000 gallons

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

Signature of Owner: ____________________________
Date: ____________________________

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

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

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

1. Maurice /Jeecez)
(Name of Appropriator) of (Address- (Town)
County of : (City)
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: ×
   Used for livestock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: January 1, 1942.
   Since 1942.

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   Perforated pipe 1/2 inch in diameter and 1 1/2 feet in length, driven to 270 feet bedrock.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   October 10, 1961.

8. The depth of water table:
   Not applicable.

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   Perforated pipe 1/2 inch in diameter and 1 1/2 feet in length, driven to 270 feet bedrock.

10. The estimated amount of groundwater withdrawn each year:
    6,500,000 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:

Date:

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

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

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

Filed: MAR 20 1903
at 3:15 o'clock P.M.

MAY RATHBUN
County Clerk and Recorder

By: MAJORIE CHURCH
Deputy
STATE OF MONTANA

ADMIRER OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
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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. Used for livestock water and irrigation water for garden.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. Water from this source has been used continuously by the appropriator since 1947, and was used by others for many years before this time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 600 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. The water is used for irrigation on a garden located in Sec. 27, T. 16N., R. 152E.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Water withdrawn from well by jet pump. Well located in Sec. 27, T. 16N., R. 152E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Date of construction not known by appropriator.

8. The depth of water table. Approximately six 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. This well is three feet in diameter. Turbine jet pump, 375 gallons per minute, with suction box.

10. The estimated amount of groundwater withdrawn each year. 400,000 gallons.

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

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

Signature of Owner: __________________________

Date: __________________________

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

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

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

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

(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:

1. The beneficial use on which the claim is based: household water supply.

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: first used in March, 1941, and has been used continuously since that time.

3. The amount of groundwater claimed (in miner's inches or gallons per minute): five 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. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: water furnished from well and in electric-powered pump.

6. The estimated amount of groundwater withdrawn each year: forty feet.

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

8. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: this well was drilled in the fall of 1047, and the pump installed in March, 1948.

9. The depth of water table: approximately fourteen feet.

10. The estimated amount of groundwater withdrawn each year: forty feet.

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

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

Signature of Owner
Date

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriate.
State of Montana,
County of Fergus

Filed MAR 20 1963
at 3:15 o'clock P.M.

MAY RATHBUN
County Clerk and Recorder

By Margerie Shirley
Deputy

13754
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Maurice Shammel
   (Name of Appropriator)
   County of Forsyth
   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: Water for stock watering.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: First used in June, 1951, and has been used every year since that time.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Three 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: Water flows from curbed spring through a敷 of 2 in. pipe by gravity to stock tank. Located in SE 1/4, Sec 29, T18S R39E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Construction commenced Sept. 29, 1950; and completed Oct. 8, 1950.

8. The depth of water table: Not Applicable.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: An excavation five feet square and three and one-half feet deep was made, and the sides were curbed up with rock, and the top was covered with boards. The end of the pipe in this collector is two feet above the bottom.

10. The estimated amount of groundwater withdrawn each year: 1,500,000 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: ____________________________
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 Appropriate.
State of Montana
County of Prowss ss.

Filed May 20, 1953
at 3:15 o'clock P.M.

MAY RATHRUN
County Clerk and Recorder

By Marjorie Harris
Deputy

82 62 62
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Name of Appropriator: Joseph C. Barnes
Address: 318 W. Brook Avenue
Town: Lewistown
County: Montana
State of Montana

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

1. Name of Appropriator: Joseph C. Barnes
2. The beneficial use on which the claim is based: for stock
3. Date or approximate date of earliest beneficial use: Oct. 11, 1960
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 gal. 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: 10 acres near southeast corner
6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: gravity flow
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: completed Oct. 12, 1960
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: N/A
10. The estimated amount of groundwater withdrawn each year: 1,000,000
11. The log of formations encountered in the drilling of each well if available: N/A
12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: N/A

Signature of Owner: Joseph C. Barnes
Date: Oct. 12, 1960

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. I may 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 Appropiator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montanas Session Laws, 1961)

1. Joseph C. Manor, user of 38 N.E. 1st, Lewistown (Name of Appropriator) (Address) (Town)

County of Fergus State of Montana

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

2. The beneficial use on which the claim is based

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

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

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

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.