STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

   County of Judith Basin, 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: 
   1955

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 50 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.

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

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 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 feet

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 The estimated amount of groundwater withdrawn each year.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: Thos. H. Watson
Date: Oct. 31, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
VESTED GROUNDWATER RIGHTS

THEO. W. WATSON

Filed for record this 31st day of Oct., A.D., 1952 at 11:00 o'clock A.M.,

Delight Leslie, Clk. & Rec.

by Betty Chisholm, Deq.

Fee $2.00 pd.
File No. T. 13 R. 13

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Tom Watson ........................................ of Hobson Montana
(Name of Appropriator) (Address) (Town)

County of Judith Basin 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) 50 gallons per minute

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

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

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

8. The depth of water table 21

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 15 ft. deep 1½ galvanized pipe

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available no log 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 Oct. 31, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
120236  No. 163

VESTED GROUNDWATER RIGHTS

THOS. H. WATSON

Filed for record this 31st day of Oct. A. D., 1962, at 11:05 o'clock A.M.

Delight Leslie, Clk. & Rec.

by [Signature]

Fees $2.00 pd.
**Notice of Completion of Groundwater Appropriation by Means of Well**

**DEVELOPED AFTER JANUARY 1, 1962**

(Under Chapter 237, Montana Session Laws, 1961)

---

**Owner:**

Theresa W. Wightman  
Address: Holbrook, Montana

**Driller:**

Miscellaneous Drilling Address: Helena, Montana

**Date of Notice of appropriation of groundwater:**

[Date]

**Date well started:**

[Date]

**Date completed:**

[Date]

**Type of well Drilled:**

[Drill Type]

**Equipment used:**

[Type]

**Water use:**

[Use Type]

---

**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.**

---

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

[Depth]

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

[Pressure]

**Pumping Water Level:**

[Depth]

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

[Discharge]

**How Tested:**

[Test Method]

**Length of Test:**

[Duration]

**Remarks:**

[Remarks]

---

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

---

**This form to be prepared by driller, and three copies to be 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, state, otherwise the form will be returned.**

---

**Driller’s License Number:**

[License Number]

**Driller’s Signature:**

[Signature]

---

**Mailings:**

[Mail Address]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

H.
Ernest Olson
(Name of Appropriate)
County of Judith Basin
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 wells — used for stock water and domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   approximately May, 1954, and used continuously
   and third well drilled in 1925 and used continuously

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   No. 1 — 20 gals per minute
   No. 2 — 5 gals per minute
   No. 3 — 20 gals per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   No. 1 well located NW\NW\ Sec. 6-13-14
   No. 2 well— NW\SW\ Sec. 31-13-14
   No. 3 well— 1925

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   No. 1 well Drilled approximately May, 1954
   No. 2
   No. 3

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
   No. 1 well — 60 feet
   No. 2 well — 80 feet
   No. 3 well — 90 feet

10. The estimated amount of groundwater withdrawn each year

11. The log of formations encountered in the drilling of each well if available
   No logs 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
Ernest Olson
Date
Jan. 29th, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Rec. Book No. 1186-6

DECLARATION OF VESTED GROUNDWATER RIGHTS

ERNEST H. OLSON

NEAT Sec. 6-12-14

NEAT Sec. 31-13-14

State of Montana
County of Judith Basin

Filed this 29th day of January A.D. 1962. at 7:05 P.M.

[Signature]
County Clerk.

Fee $2.00 Paid.
<table>
<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>Johnson, Paul</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. Jana H. and Mildred Marie Amorud, of Hobson
   (Name of Appropriator) (Address) (Town)
   County of Judith Basin State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   Wall Drilled in Sept. 1952

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 20 gallons per minute at the time of drilling

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
   By pump and windmill

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

8. The depth of water table
   80 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 in 100 feet deep with 20 feet of water

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

11. The log of formations encountered in the drilling of each well if available
    no log 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

Signature of Owner Mildred Marie Amorud
Date January 2nd, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
Doc. No. 110675

STATE OF MONTANA
COUNTY OF JUDITH BASIN

Filed this 2nd day of January A.D., 1962 at 2:30 o'clock P.M.

County Clerk

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

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

1. **Owner of Water:**  
   [Name and Address]  
   [Town]  
   [State]  

2. **Beneficial Use:**  
   Livestock

3. **Date of Approximate Date of Earliest Beneficial Use:**  
   Since 1930

4. **Amount of Groundwater Claimed:**  
   (In miner's inches or gallons per minute)  
   [Amount]

5. **Irrigation Information:**  
   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. **Means of Water Withdrawal:**  
   [Method of withdrawal]

7. **Date of Commencement and Completion of Construction:**  
   [Date]

8. **Depth of Water Table:**  
   [Estimated depth]

9. **Log of Formations Encountered:**  
   [Details]

10. **Estimated Amount of Groundwater Withdrawn:**  
    [Amount]

11. **Other Information:**  
    [Additional information]

**Signature:**

[Signature]

**Date:**  
[Date]

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

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

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

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1889
Owner: Mildred Marie Asman
Address: Hobson, Montana
Contractor (if any) None
Address of Contractor Not Applicable
Date Started 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.

Pipe in Spring and piped to the house

Flowing 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.

Water used continuously

No estimate of amount

Signature of Owner Mildred M. Asman
Date January 2nd, 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 School of Mines and quadruplicate for the Appropriator.
Dec. No. 118676

NOTICE OF APPROPRIATION OF GROUND WATER WITHOUT WELL

JEWS H. AND MILDRED MARIE AANBRUD
SE 16 SW 16 Sec. 14 T-13-R-14

STATE OF MONTANA
COUNTY OF JUDITH BASIN

Filed this 2nd day of January A. D., 1962 at 2:35 o'clock P.M.

[Signature]
County Clerk.

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

Owner: Mickey Herford Ranch
Address: Lego, Montana

Date of Notice of Appropriation of Groundwater: June 26, 1966

Date well started: June 2, 1966
Date Completed: July 30, 1966

Type of well: Drilled
Equipment Used: Rotary
(dig, driven, bored or drilled)

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

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

Static Water Level for non-flowing Well: 50 feet from top

Shut-in Pressure for Flowing Well: not flowing

Pumping Water Level: 300 feet at 32 gal. per minute

Discharge in gal, per min. of flowing well: not flowing

How Tested: 4th pump
Length of Test: 30 minutes

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): Not used for Irrigation

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
HICKORY HERIFORD RANCH
WELL APPROPRIATION

STATE OF MONTANA
County of Judith Basin

Filed for record this 28th day
of June A.D. 1973 at 9:30 a.m.

Delight Leslie Co.Clerk

[Signature] Deputy
### WATER WELL LOG

**Owner:** ALBERT NOVER  
**Address:** BUTTLE, MONTANA

**Driller:** WALLACE MUNSON  
**Address:** GRASS RANGE, MONTANA

**Date Started:** DEC. 12 - 1960  
**Date Completed:** DEC. 16 - 1960

**Location:** Sec. 21  
**T. 13  
**R. 14, 3/4 sec. NW - SW

---

**Type of well:** DRILLED  
**Equipment used:** ROTARY

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

**Casing:**  
- 0 ft. to 22 ft. Type: STD. BK. Size: 6 7/8 OD

**Perforated or Screened:**  
- Ft. to Ft.  
- Size:  
- Type of screen or perforations:  

**Static Water level, for non-flowing well:** 10 feet.

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

**Pumping water level:** 30 feet at ____________ displaced 20 gal. per min.

**How tested:** displacing fluid on D.C.

**Length of test:** 30 minutes  
- @ 3 min. intervals

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
- SHOW ON CASING & CEMENTED

---

(over)
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<tr>
<th>Depth, feet</th>
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<tr>
<td>0 - 4</td>
<td>Surface</td>
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<tr>
<td>4 - 9</td>
<td>Acid Brown Slurry</td>
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<tr>
<td>9 - 15</td>
<td>Gavel Small</td>
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<td>15 - 18</td>
<td>Ironized Compoundate</td>
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<td>18 - 22</td>
<td>Black Shale - Hard</td>
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<tr>
<td>22 - 27</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>27 - 31</td>
<td>Shaley Sand</td>
</tr>
<tr>
<td>29 - 31</td>
<td>Soft Ironized Sand</td>
</tr>
<tr>
<td>31 - 33</td>
<td>Shale Black</td>
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<td>33 - 44</td>
<td>Sandy Shale</td>
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<td>44 - 49</td>
<td>Shaley Sand - Hard</td>
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<td>49 - 55</td>
<td>Shaley Sand - Tite</td>
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<tr>
<td>55 - 61</td>
<td>Sand (Fair porosity - Some displacement)</td>
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<tr>
<td>61 - 72</td>
<td>Shaley Sand - Firm Hard</td>
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<tr>
<td>72 - 79</td>
<td>Sand - Shales - Hard</td>
</tr>
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<td>79 - 86</td>
<td>Shaley Sand - Hard</td>
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<td>86</td>
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## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Ralph Lee**, of **Bozeman**, **State of Montana**, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<p>| | | | | | | |</p>
<table>
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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 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:** Dec 29, 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.
STATE OF MONTANA
COUNTY OF JUDITH BAY
Filed for record this 30th day of Dec., A.D. 1963, at 10:10
o'clock A.M.
Delight Leslie, Clk & Rec.

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

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

STATE ENGINEER

FILE NO. T.13N.R.1/E

RECEIVED

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Date: 1/6/64

STATE ENGINEER

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

County of: butt (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: (Beneficial Use)

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

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

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

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

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

8. The depth of water table: (Depth)

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

10. The estimated amount of groundwater withdrawn each year: (Amount)

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

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

Signature of Owner: (Signature)

Date: 12/22/63

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.
Mickey Hereford Ranch
SW 1/4 Sec. 24-13-14
State of Montana
County of Judith Basin
Filed for record this
30th day of December A.D. 1963
at 3:30 P.M.
Delight Leslie, Clk. & Rec.

Fee $2.00 Paid.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

No. of Appropriator: Ernest Olson

State of Montana
County of Judith Basin

1. Name of Appropriator: Ernest Olson

Address: Buffalo

Town: (Address)

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

- Approximately May 1, 1951 and used continuously approximately May 1, 1951 and used continuously
- and third well drilled in 1925 and used continuously

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

- No. 1: 20 gallons per minute
- No. 2: 6 gallons per minute
- No. 3: 20 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

- No. 1 well located NE 1/4 Sec. 6-12-11
- No. 2 well located SW 1/4 Sec. 31-13-11
- The depth of water table

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

- No. 1 well Drilled approximately May, 1951
- No. 2 well Drilled approximately May, 1951
- No. 3 well Drilled approximately May, 1925
- The estimated amount of groundwater withdrawn each year

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

- No. 1 well: 605 feet
- No. 2 well: 818 feet
- No. 3 well: 90 feet
- The estimated amount of groundwater withdrawn each year: Unknown

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

No logs available

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

Signature of Owner: Ernest Olson

Date: Jan. 29th, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS

ERNEST B. OLSON

NW1/4 Sec. 6-12-14

Sec. 11-13-14

Sec. 16-13-13

State of Montana
County of Judith Basin

Filed this 29th day of January A. D. 1962.

County Clerk.

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

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

1. E. O. Johnson and Thelma J. Johnson, of Buffalo, Buffalo County, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use, on which the claim is based: No. 1 - Domestic, No. 2 - Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: No. 1 - dug around 1920, No. 2 - dug around 1920

4. The amount of groundwater claimed (in miner's inches or gallons per minute): No. 1 - Approx. 3 to 4 gallons per min., No. 2 - 3 to 4 gallons per min.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: No. 1 - Electric pump installed, No. 2 - Electric pump installed

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Wells started around 1920 and completed that year.

8. The depth of water table: Not known

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: No. 1 well was dug and is approximately 20 feet in depth, No. 2 well is a dug well and is 15 ft in depth - both wells have wooden cribbing.

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

11. The log of formations encountered in the drilling of each well if available: No 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: None

Signature of Owner: __________________________
for E. O. and Thelma J. Johnson
Date: Feb. 28, 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.
#230

Vested Groundwater Rights

E. O. Johnson

120792

SESW Sec. 36-13TH

State of Montana
County of Judith Basin

Filed for record this 13th day of Feb. A.D. 1963 at 11:15 o'clock A.M.

Delight Leslie, Clk. & Rec.

by Pitney CHAMBERS, Dep.

Fee $2.00 pd.
<table>
<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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</tr>
</tbody>
</table>

Groundwater Index
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: ____________________ Address: ____________________
Driller: ____________________ Address: ____________________
Date of Notice of Appropriation of Groundwater: __________
Date well started: __________ Date Completed: __________
Type of well: ____________________ Equipment Used: ____________________
(Churn, driven, bored or drilled)
Water Use: Domestic ☐ Municipal ☐ Other ☐ Irrigation ☐
Industrial ☐ Drainage ☐ Stock ☐

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

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

Static Water Level for non-flowing Well: __________ feet.
Shut-in Pressure for Flowing Well: __________
Pumping Water Level: __________ feet at __________ gal. per minute.
Discharge in gal. per min. of flowing well: __________
How Tested: __________ Length of Test: __________
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of tap of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation) __________

Show exact depth of bottom: __________

Driller's License Number: __________
Driller's Signature: __________

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

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

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

Date: __________

23/7.
## Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

### Top of Ground

- Elev. above sea level: 5300.11
- 36-17-11
- 116 1-11-11
- 116 1-11-11

### Owner

- Address:

### Driller

- Address:

### Date of Notice of Appropriation of Groundwater

### Date well started

### Date completed

### Type of well
- Equipment Used:
  - Churn, drill, rotary or others

### Water Use
- Domestic
- Municipal
- Other
- Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Pipe</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.2&quot;</td>
<td>5/8&quot; x 6.00</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Static Water Level for non-flowing Well

### Shut-in Pressure for flowing well

### Pumping Water Level

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

### How Tested

### Length of Test

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

### Show exact depth of bottom: 1258.1

---

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

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

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

---

[Diagram of well location and water level]
W. W. Log 178

Keith Royston
88SW Sec 1-13-15

120012

Filed for record this 26th day of Sept. A.D. 1962 at 3:00 o'clock A.M.
Delight Leslie, Clk. & Rec.

by Betty.logan ---- Dep

Fee $2.00 rd.
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: 1960

Owner: W.K. Turner Estate
Address: Hobson, Montana

Contractor (if any): Charles Henry
Address of Contractor: Hobson, Montana

Date Started: 1960
Date Completed: 1960

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. *Dig with backhoe about 6 or 8 feet piping into concrete tank.*

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use: 3 to 5 gallons per minute.

Signature of Owner: W.K. Turner Estate
Date: December 27, 1960

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.
File No. 421

W. R. TURNER Estate

STATE SEc. 3-13-15

State of Montana
County of Judith Basin

Filed this 27th day of
December 1963 at
2:55 o'clock P.M.

[Signature]
County Clerk

Fee $2.00 paid.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1959
Owner: H. K. Turner-Estate
Address: Hobson, Montana
Contractor (if any): Charles Henry
Address of Contractor: Hobson, Montana
Date Started: 1959
Date Completed: 1959

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Dug with a bucket about 5 or 6 feet deep, piped into concrete tank.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent, estimate approximate lengths of periods of use. 3 to 5 gallons per minute.

Signature of Owner: H. K. Turner-Estate
Date: December 27, 1960

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.
File No. 420

W. K. TURNER Estate

NW 1/4, Sec. 4-13-15

State of Montana
County of Judith Basin

Filed this 27th day of
December A. D. 1965 at
2:50 o'clock P. M.

[Signature]
County Clerk.

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

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

1. W.R. Turner Estate
   (Name of Appropriator)
   of Hobson
   (Address)
   (Town)
   County of Judith Basin
   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 Water

3. Date or approximate date of earliest beneficial use; and how continuously the use has been: 1923

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: none

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

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 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: 35 foot dug well 18 inch rocked & cased up

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

11. The log of formations encountered in the drilling of each well if available: 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: W.R. Turner
Date: December 1, 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 Appropriator.
File No. 422

J. E. Turner Estate

SW/NE Sec. 10-13-15

State of Montana
County of Judith Basin

Filed this 27th day of December 6, 1963 at 3:00 P.M.

[Signature]
County Clerk.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. W. Kenneth Turner, of Honolulu, 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: house use...

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1957.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 600 gallons per hour.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1957, cased with 12" clay tile, about 11 feet deep.

8. The depth of water table: 86 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: 11 feet deep, cased with 12" clay tile.

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

11. The log of formations encountered in the drilling of each well if available: no log 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: W. Kenneth Turner
Date: Dec. 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.
Sealed Groundwater
Sec. 11-13-15
W. Kenneth Turner
121936

State of Montana
County of Judith Basin
Filed for record on the 9th
day of Dec., 1963 at 1:35 p.m.
Delight Leslie, Clerk and Rec.

[Signature]

$2.00 pd.
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: 1900
Owner: Kenneth Turner
Address: Moore, Montana
Contractor (if any)
Address of Contractor
Date Started: 1900
Date Completed: 1900

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

Pumps 3000 gallons per hour

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.

Used year around and to determine
the amount put a pump on it and
pumped between 50 and 60 gal per min.

Signature of Owner: Kenneth Turner
Date: Dec. 9, 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.
Groundwater Appropriation

Sec. 11, Tp. 13-15

W. Kenneth Turner

State of Kansas

County ofJudith Basin

Filed for record this 9th day of Dec., A.D. 1933 at 1:30
O'clock P.M.

Delight Leahey, Clerk and C.C.

by

[Signature]

Filed $2.00 pd.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Vera Ruth Gorman (Name of Appropriator) of Moore (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: Irrigation, livestock use, domestic use and any other uses.

3. Date or approximate date of earliest beneficial use; and how continuously the use has been used continuously since year round use: September 25, 1910.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Estimated at 500 miner's 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: See Sec. 12, Twp. 12, N. Rge. 15, East, Judith Basin County.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced September 10, 1910; Completed September 25, 1910.

8. The depth of water table: Unknown.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: See No. 6 above.

10. The estimated amount of groundwater withdrawn each year: See No. 4 above.

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: Vera Ruth Gorman
Date: May 14, 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 COLE
OFFICE OF STATE ENGINEER

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

1. Vera Ruth Gorman
   (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: Irrigation, livestock use, domestic use and any other uses.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 25, 1910, water used continuously since year-round use.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) estimated at 500 miner's 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: Sec. 12, Twp. 13, N. Rge. 15, East, Judith Basin County, owned by Vera Ruth Gorman.

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: commenced September 10, 1910, completed September 25, 1910.

   8. The depth of water table: unknown.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: see No. 6 above.

   10. The estimated amount of groundwater withdrawn each year: see No. 4 above.

   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:

   [Signature]

   Date: May 16, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA
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 ... September 25, 1910
Owner: Burton Wright Address: Moore, Montana
Contractor (if any): L. Wright, deceased

Address of Contractor

Date Started: Sept. 10, 1910 Date Completed: Sept. 25, 1910

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

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

Estimated at 500 minor's inches; water used for irrigation on SE¼ of Sec. 13, Twp. 13, Rng. 15, E., Judith Basin
County, and livestock use, domestic use and any other uses
water used year round.

Signature of Owner

Date: April 19, 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 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)

I. Vera Ruth Gorman, of Moore, Fergus County, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: Irrigation, livestock use, domestic use and any other use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 25, 1910, used continuously since.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): Estimated at 500 miner’s 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: See No. 6 above.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced September 10, 1910; completed September 25, 1910.

8. The depth of water table: Unknown.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: See No. 6 above.

10. The estimated amount of groundwater withdrawn each year: See No. 6 above.

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.

S:\nature of Owner:

Date: May 16, 1962

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

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

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

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

1. Vera Ruth Gorman, of Moore, 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: Irrigation, livestock use, domestic use, and any other uses.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: September 25, 1910; water used continuously year-round.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Estimated at 500 miner's 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: Sec. 12, Twp. 13, N. Rgo. 15, E., belonging to Vera Ruth Gorman.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced Sept. 10, 1910; completed Sept. 25, 1910.

8. The depth of water table: Unknown.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: See No. 8 above.

10. The estimated amount of groundwater withdrawn each year: See No. 4 above.

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

Date: May 16, 1962

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

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

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

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

1. OSCAR A. NESING, of 378 Beth Drive, Great Falls, Montana
   (Name of Appropriator)
   (Address)
   (Town)

County of Cascade, State of Montana,

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

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

2. The beneficial use on which the claim is based: Domestic use at the residence and for watering stock and irrigating yard.
   Date or approximate date of earliest beneficial use, and how continuous the use has been: August 21, 1953 and continuously since that date.

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Artesian well located at the residence. Construction of well commenced June 9, 1953, and was completed August 21, 1953.


7. 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: Artesian well, 1970 feet, in depth, well is artesian and flows through a 2 inch pipe.

8. The estimated amount of groundwater withdrawn each year: Well runs continuously at 10 gallons per minute.

9. The log of formations encountered in the drilling of each well if available: See Exhibits "A" attached.

10. The 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: 1/3/64

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.
VACATED GROUNDWATER RIGHTS

Sec. 27-13-35

State of Montana
County of Judith Basin
Filed for record this 31st day of Dec. A.D. 1933
at 9:40 o'clock A.M.
Delight Leslie, Clk. & Rec.

by

Fee $2.00 pd.
## EXHIBIT "A"

Log of formations encountered in the drilling of well

<table>
<thead>
<tr>
<th>FROM</th>
<th>TO</th>
<th>DESCRIPTION</th>
</tr>
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<tbody>
<tr>
<td>0</td>
<td>22</td>
<td>Gravel and Clay</td>
</tr>
<tr>
<td>22</td>
<td>80</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>80</td>
<td>110</td>
<td>Alternating shale and porous sandstone (water bearing)</td>
</tr>
<tr>
<td>110</td>
<td>260</td>
<td>Sandstone and shale</td>
</tr>
<tr>
<td>260</td>
<td>565</td>
<td>Shale with layers of clay, brown sandstone</td>
</tr>
<tr>
<td>565</td>
<td>580</td>
<td>Fine grained sandstone (hard)</td>
</tr>
<tr>
<td>580</td>
<td>635</td>
<td>Alternating layers, shale, bentonite, and fine sandstone</td>
</tr>
<tr>
<td>635</td>
<td>650</td>
<td>Sandstone, porous, water bearing</td>
</tr>
<tr>
<td>650</td>
<td>680</td>
<td>Alternating shale and sandstones, some bentonite</td>
</tr>
<tr>
<td>680</td>
<td>868</td>
<td>Brown sandy shale (hard)</td>
</tr>
<tr>
<td>868</td>
<td>1055</td>
<td>Brown to black shale and sandy shale</td>
</tr>
<tr>
<td>1055</td>
<td>1158</td>
<td>Sandy shale, dark grey with particles of white sand</td>
</tr>
<tr>
<td>1158</td>
<td>1295</td>
<td>Alternating layers, grey shale, and grey to white sandstone</td>
</tr>
<tr>
<td>1295</td>
<td>1330</td>
<td>Grey sandy shale</td>
</tr>
<tr>
<td>1330</td>
<td>1390</td>
<td>Grey to light green shelly sandstone</td>
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<tr>
<td>1390</td>
<td>1524</td>
<td>Red shale, few layers of sandstone</td>
</tr>
<tr>
<td>1524</td>
<td>1534</td>
<td>Sandstone, slightly porous, small amount of water</td>
</tr>
<tr>
<td>1534</td>
<td>1590</td>
<td>Sandstone and sandy shale</td>
</tr>
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<td>1590</td>
<td>1605</td>
<td>Soft, coarse, sandstone, no water</td>
</tr>
<tr>
<td>1605</td>
<td>1626</td>
<td>Sandstone</td>
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<td>1636</td>
<td>Sandstone, some and coarse grain, some water</td>
</tr>
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<td>1636</td>
<td>1697</td>
<td>Alternating sandstone and shale layers</td>
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<td>1697</td>
<td>1732</td>
<td>Sandstone</td>
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<td>1732</td>
<td>1773</td>
<td>Soil white sandstone, no water</td>
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<tr>
<td>1773</td>
<td>1783</td>
<td>Soil coarse sandstone, some water</td>
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<td>1783</td>
<td>1827</td>
<td>Fine grained sandstone</td>
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<td>1857</td>
<td>Dark shale</td>
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<tr>
<td>1857</td>
<td>1893</td>
<td>Lime and layers of shale</td>
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<tr>
<td>1893</td>
<td>1935</td>
<td>Sandy shale (gray)</td>
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<tr>
<td>1935</td>
<td>1970</td>
<td>Alternating limestone, fine sandstone and shale</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. Michael Horstman Ranch, Montana Corporation
   (Name of Appropriator), Box 56, Judith Basin,
   (Address) Box 56, Judith Basin, (Town)
   County of Judith Basin, 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, watering of livestock

   2. Date or approximate date of earliest beneficial use, and how continuous the use has been, since 1889

   3. The amount of groundwater claimed (in miner's inches or gallons per minute), 60 gallons

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

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

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

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

   8. The log of formations encountered in the drilling of each well if available, None drilled in this area

   9. 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(s) printed on the record

   Date 12/28/69

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. Hiskey Hereford Ranch, Montana Corporation
   of Box 30
   (Name of Appropriator)
   (Address)
   (Town)
   County of Judith Basin
   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: spring or livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: since 1880

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 25 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: spring drain from natural gravity flow

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: spring was cleaned out with drag line in 1930

8. The depth of water table: around 6 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:

10. The estimated amount of groundwater withdrawn each year: 125,000 gallons per year

11. The log of formations encountered in the drilling of each well if available: none drilled in this area

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: I have no record on this spring

Signature of Owner: Hiskey Hereford Ranch
Date: 1961/01/25

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.
Hickey Hereford Ranch
Sec. 13-15-15
State of Montana
County of Judith Basin
Filed for record this
31st day of December 1963
at 3:10 P.M.
Delight Leslie, Clerk & Rec.
By
Deputy
Fee $2.00 Paid.
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<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<td>G.W.4</td>
<td>121987</td>
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</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. JOHN BOOHER, of Raynesford, County of Judith Basin, State of Montana, has appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based is the use of the waters for watering livestock.

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

   Approximate date of earliest beneficial use January 1, 1900, and use has been continuous since January 1, 1900. Earliest use was by claimant's predecessors in interest.

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

   60 miner's inches.

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

   There has been no use of the water for irrigation purposes.

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

   The natural surface flow of water from numerous springs on the SE1/2, Section 12, Township 16 North, Range 8 East, and there have been two collection boxes built or dug where the water from the springs collects on the aforesaid land, both about 18 inches in diameter and both about 6 feet deep, and these collection boxes each also serve to collect underground water and water is conveyed from these collection boxes through pipes, from one of said boxes to a round tank about 6 feet in diameter and about 2 feet high, and from the other collection box to an oblong tank about 6 feet in length and about 3 feet in width and about 2½ feet high, and cattle obtain water from said tanks and from the surface of said lands from the natural flow of water from said springs. The boxes, tanks and natural flow of water are all on the surface of the described land, and the surface water and the water used by the cattle is likewise on said specifically described land.
7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater

The collection box and the oblong tank from which water is carried through pipes to the oblong tank were both built and constructed commencing early in the summer of 1961 and finished early in the summer of that year, and the collection box and the round tank which serves the same through a pipe were both built and constructed starting late in the spring and finishing late in the spring of the year 1962, but the surface water from the springs has been used for watering livestock since at least January 1, 1900, and the collection boxes and the collection boxes and the tanks have both been used for watering livestock since they were completed.

8. The depth of water table

The depth of the water table varies but is from six to twelve feet in depth.

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

The two collection boxes wherein water is collected and hereinabove referred to are both about 6 feet in depth below the surface and approximately 12 inches in diameter, and water is collected in each of these boxes and transmitted through pipes to tanks. The water collected is both surface water and seepage water and water at the bottom of the collection boxes.

10. The estimated amount of groundwater withdrawn each year

750,000 gallons.

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

No log was kept of the formations encountered in digging the two collection boxes and none is 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

The water, both surface and groundwater, hereinbefore referred to is used during the year for watering livestock, and the period of watering livestock varies in length of time depending on when cattle are pasturing on adjoining lands, but usually extends from six to nine months or even longer in each year, and the use is continuous during such periods of time.

13. The groundwater is obtained from the natural flow of the springs on the surface and by collection of seepage water in the collection boxes hereinbefore referred to.
14. The water is used during the period of the year in which cattle
are grazing on adjoining pastures and the period of use varies
depending on weather conditions and crop conditions and varies
from six months to nine months or more during each year.

15. The quantity of water developed and the surface water used is
not less than 2,000 gallons per day during the periods of
use and at all times when cattle are using nearby pastures.

Signature of Owner John Bodner
Date Dec 6 - 1963

* * * * * * *

STATE OF MONTANA : ss.
County of Cascade : ss.

JOHN BODNER, being first duly sworn deposes and says:

That he is of lawful age and is the claimant of the order
and water right mentioned in the foregoing declaration of vested
groundwater rights and of completion of groundwater appropriation
and the person whose name is subscribed thereto as the claimant
and appropriator, and that he knows the contents of said foregoing
notice and that the matters and things therein stated are true.

John Bodner

SUBSCRIBED and SWORN to before me this 6th day of
December, 1963.

(Notarial Seal)

Notary Public for the State of Montana
Residing at Great Falls, Montana

My commission expires Sept. 11, 1965.
<table>
<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>Noah J. Hubert</td>
<td>C U</td>
<td>73-3</td>
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</table>
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)

JUNE 10, 1972

Date of Appropriation of Groundwater

J. ROBERT NOEL  Address: HOBSON, MONT.

Contractor (if any)  NONE

Address of Contractor

Date Started  JUNE 10, 1972

Date Completed  JUNE 12, 1972

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes" include depth to water when applicable DEVELOPED A SPRING

WITH A HOLDING TANK AT A DEPTH OF FOUR FEET, FOREST LAND.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use APPROXIMATELY 3 GALLONS PER MINUTE WAS MEASURED BY TIME AND GALLONAGE. WILL BE USED CONTINUOUSLY.

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

Dub No. 758

Filed for record this 16th day of November, A.D. 1972, at 3:45 o'clock A.M.

Signature of Owner

Date  NOV 15, 1972

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 Appraiser.