**MONTANA BUREAU OF MINES AND GEOLOGY**  
Butte, Montana

**WATER WELL LOG**

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

- **Owner:** Glenn A. and Florence Ann Baker  
- **Address:** Stanford, Mont.
- **Driller:** C. W. Thatcher  
- **Address:** Stanford
- **Date Started:** Aug. 30, 1961  
- **Date Completed:** Sept. 4, 1961
- **Location:** Sec. 6, T 16 R 12  
- **Sec.** 32 NW

- **Type of well:** Drilled
- **Equipment used:**
  - Drilled
- **Rotary:**
  - Drilled

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

- **Casing:**  
  - 0 ft. to 375 ft.  
  - Type: Galvanized  
  - Size: 2"

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

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

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

- **Pumping water level:** feet at 5 gal. per min.

- **How tested:**

- **Len of test:**

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

  - Cemented with two bags of cement.

  - 1 1/2" top and waste shut-off down 6 ft.
## Log of Well

<table>
<thead>
<tr>
<th>Depth (feet)</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>21</td>
<td></td>
<td>Gravel overburden</td>
</tr>
<tr>
<td>21</td>
<td>48</td>
<td></td>
<td>Sandy layers and blue shale</td>
</tr>
<tr>
<td>48</td>
<td>111</td>
<td></td>
<td>Alt. hard sandstone and bentonite</td>
</tr>
<tr>
<td>111</td>
<td>218</td>
<td></td>
<td>Grey shale and hard sandstone</td>
</tr>
<tr>
<td>218</td>
<td>350</td>
<td></td>
<td>Sandstone (water)</td>
</tr>
<tr>
<td>350</td>
<td>375</td>
<td></td>
<td>Grey shale and sandstone</td>
</tr>
</tbody>
</table>

Fled from the 6th day of November, A.D. 1961 at 10:00 A.M.
### WATER WELL LOG

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td>James T. Nelson</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Concow, Montana</td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td>D. C. N. Walker</td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Concow, Montana</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>June 1, 1960</td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
<td>June 27, 1960</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Sec. 1, T. 16, R. 10, 4¼ sec. 3rd (3666.38E)</td>
</tr>
<tr>
<td><strong>Type of well</strong></td>
<td>Drilled extension</td>
</tr>
<tr>
<td><strong>Equipment used</strong></td>
<td>rotary, other</td>
</tr>
<tr>
<td><strong>Water use</strong></td>
<td>Domestic ☑, Municipal ☐, Stock ☐, Irrigation ☑</td>
</tr>
<tr>
<td><strong>Casing</strong></td>
<td>Ft. to ft. Type: plastic pipe Size: 2&quot;</td>
</tr>
<tr>
<td><strong>Perforated or Screened</strong></td>
<td>Ft. 225 to Ft. 235, Ft. 225 to Ft. 235</td>
</tr>
<tr>
<td><strong>Type of screen or perforations</strong></td>
<td>C.I.t. perforated</td>
</tr>
<tr>
<td><strong>Static Water level</strong></td>
<td>feet</td>
</tr>
<tr>
<td><strong>Shut-in pressure</strong></td>
<td>10 lb./sq. in. on: June 27, 1960</td>
</tr>
<tr>
<td><strong>Pumping water level</strong></td>
<td>feet at gal. per min.</td>
</tr>
<tr>
<td><strong>How tested</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Length of test</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

Compressed with 3 breaks of cement. Pumping 2½ gallons per minute at 225' to 235'.

(over)
Log of Well

<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 20</td>
<td>Gravel and sandy clay</td>
</tr>
<tr>
<td>20 - 75</td>
<td>Blue sandy shale and sandstone</td>
</tr>
<tr>
<td>75 - 220</td>
<td>Shale with hard sand shingle</td>
</tr>
<tr>
<td>220 - 225</td>
<td>Blue shale</td>
</tr>
<tr>
<td>225 - 235</td>
<td>Sandstone (little water)</td>
</tr>
<tr>
<td>235 - 422</td>
<td>Sandstone, blue shale with some hematite</td>
</tr>
<tr>
<td>422 - 480</td>
<td>Red, hard sandstone and grey shale</td>
</tr>
<tr>
<td>480 - 560</td>
<td>Red shale</td>
</tr>
<tr>
<td>560 - 600</td>
<td>Hard blue shale with sandstone</td>
</tr>
<tr>
<td>600 - 628</td>
<td>Red soft clay, red sandstone</td>
</tr>
<tr>
<td>628 - 682</td>
<td>Sandstone</td>
</tr>
<tr>
<td>682 - 714</td>
<td>Sandstone and red sandstone</td>
</tr>
<tr>
<td>714 - 731</td>
<td>Soft sandy shale and red, hard sandstone</td>
</tr>
<tr>
<td>731 - 799</td>
<td>Hard sandstone</td>
</tr>
<tr>
<td>799 - 920</td>
<td>Red, hard and fine-grained sandstone</td>
</tr>
<tr>
<td>920 - 998</td>
<td>Red sandstone</td>
</tr>
<tr>
<td>998 - 1017</td>
<td>Soft sandstone</td>
</tr>
<tr>
<td>1017 - 1082</td>
<td>Hard sandstone</td>
</tr>
<tr>
<td>1082 - 1107</td>
<td>Hard sand and hard sandstone</td>
</tr>
<tr>
<td>1107 - 1205</td>
<td>Hard sandstone</td>
</tr>
<tr>
<td>1205 - 1259</td>
<td>Sand and red, hard sandstone</td>
</tr>
</tbody>
</table>

2½ gal. per minute at 625-626 ft.
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

1. Russell B. Schmidt, of Stanford, Montana

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: Stock irrigation

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1893

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): 30 - 30 from a number of springs in old well
day

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

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, the general specifications of any other works for the withdrawal of groundwater:

10. The estimated amount of groundwater withdrawn each year: 7.6 E.D.

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: Russell B. Schmidt

Date Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Russell F. Schmit
Sec. 7-16-12

State of Montana
County of Judith Basin

Filed this 31st day of December, A.D. 1963 at 2:54 o'clock P.M.

[Signature]
County Clerk.

Fee $12.00 Paid.
DECLARATION OF VESTED GROUNDWATER RIGHTS

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

(Under Chapter 237, Montana Session Laws, 1961)

1. Martin Greenkopf and Edna Greenkopf
   (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: household and yard and garden use.

3. The date or approximate date of earliest beneficial use: every day since October 1, 1940

4. The amount of groundwater claimed (in miner's inches or gallons per minute): gallon 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
   1/2 acre which includes the yard 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
   on well located in basement of dwelling

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 4, 1958

8. The depth of water table: about 5 feet from ground level

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: hand dug well, about 12 feet deep and 4 feet in diameter with water percolating

10. The estimated amount of groundwater withdrawn each year: 20,000 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: no county record

   Signature of Owner: Edna M. Greenkopf
   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.
File No. 456

Sec. SE 

State of Montana
County of Judith Basin

Filed this 50th day of December A. D. 1963 at 1:40 o'clock P.M.

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. Glenn A. & Floretta Mar, Baker... of... Box 196... Stanford...
(Name of Appropnator) (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
both wells stock and domestic use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
Wall No. 1 1900 dug 20 ft. deep
Wall No. 2 1968 drilled 150 ft.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
Wall No. 1 four gallon per min.
Wall No. 2 six 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
none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
Wall No. 1 hand pump
Wall No. 2 motor pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
Wall No. 1 5-15-1900
Wall No. 2 5-20-1968

8. The depth of water table
Wall No. 1 4 ft to water table, Wall No. 2 150 ft. to 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
Wall No. 1 20 ft. deep rock curb on side
Wall No. 2, 180 ft. deep cased 4" casing 60' down

10. The estimated amount of groundwater withdrawn each year
30,000 gal per yr on both wells

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

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 Appropnator.
GLENN A. & FLORENCE ANN BAKER
SE SE 3/8 Sec. 7-16-12
122804
State of Montana
County of Judith Basin
Filed this 23rd day of Dec.
A.D., 1965 at 3:30 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. **Russell P. Schmidt**
   (Name of Appropriator)

   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

   **Stock Water**

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

   **1870**

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

   **8.01 GPM**

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

   

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 or other works for withdrawal of groundwater

   

8. The depth of water table

   **4 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

   **415.000**

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 **Russell P. Schmidt**

Date **Dec. 31, 1963**

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
File No. 555

Russell F. Schmitt
Sec. 8-16-12

State of Montana
County of Judith Basin

Filed this 31st day of December A. D. 1963 at 3:55 o'clock P.M.

[Signature]
County Clerk.

Fee $42.00 paid.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

   (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: home, motel & trailer court, stock watering, irrigation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 500 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: 10 acres, Judith Neill, owner

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: 1950

8. The depth of water table: 20 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: 165 feet deep cased with 6" casing

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner: Eddie Neill

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.
Filed Groundwater Rights
SESENE Sec. 8-16-12
Eddie Neill
12/19/35

State of Montana
County of Judith Basin
Filed for record this 9th day of Dec. A.D. 1935 at 11:30 o'clock A.M.
Delight Leslie, Clerk and Rec.

by \(\text{Signature}\) Dep.
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)

1. Hilliard P. Hall
   (Name of Appropriator)
   of Stanford
   (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 continuous the use has been: 1920

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 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: 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: 20 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 feet deep, no casing, ordinary hard gravel

10. The estimated amount of groundwater withdrawn each year: not known approximately 6,000

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: Hilliard P. Hall
Date: December 27, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
File No. 384
Willard P. Hall
Sec/354 Sec. 8-16-12
State of Montana
County of Judith Basin
Filed this 27th day of December 1941 at
9:15 A. M.

County Clerk
Pep $2.00 Paid.
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **Name of Appropriator**: Glenn A. & Florence Ann Baker  
   **Address**: P.O. Box 196  
   **Town**: Stanford, Montana

2. **County of**: Judith Basin  
   **State of**: Montana

3. The beneficial use on which the claim is based is for both stock and domestic use.

4. **Date or approximate date of earliest beneficial use**: January 1, 1906.
   - **Well No. 1**: 1906 dug well.
   - **Well No. 2**: 1905 dug well.

5. **Amount of groundwater claimed**: 2,000 gal per min.
   - **Well No. 1**: 1,000 gal per min.
   - **Well No. 2**: 1,000 gal per min.

6. **Irrigation acreage and description of lands to which water has been applied**: none.

7. **Means of withdrawing water**: Both wells are for stock and domestic use.

8. **Depth of water table**: 1 ft.
   - **Well No. 1**: 4 ft.
   - **Well No. 2**: 3 ft.

9. **Type, size, and depth of each well or other works for the withdrawal of groundwater**:  
   - **Well No. 1**: Depth 21 ft., rock covered on sides.
   - **Well No. 2**: Depth 20 ft., rock covered on sides.

10. **Estimated amount of groundwater withdrawn each year**: 30,000 gal per year.

11. **Log of formations encountered in the drilling of each well**: none.

12. **Other information useful in carrying out the policy of this act**: none.

---

Signature of Owner: [Signature]

Date: Dec. 17, 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 Appropriority.
File No. 358

GLEN A. AND FLORENCE ANN BAKER

SW 1/4 Sec. 8-16-12

122095

State of Montana
County of Judith Basin

Filed this 23rd day of December A.D. 1963 at 3:35 o'clock P.M.

[Signature]
County Clerk.

Fee $2.00 paid.
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: Drilled Equipment Used: Rotary

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

3] 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>Depth (Feet)</th>
<th>Character</th>
<th>Thickness</th>
<th>Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 20</td>
<td>Overburden</td>
<td></td>
<td></td>
</tr>
<tr>
<td>20 - 90</td>
<td>Blue shale</td>
<td></td>
<td></td>
</tr>
<tr>
<td>90 - 119</td>
<td>Layers of sandstone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>110 - 160</td>
<td>Blue shale with sandstone layers</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: feet.

Shut-in Pressure for Flowing Well: feet at gal. per minute.

Pumping Water Level: feet at gal. per min. of flowing well.

How Tested: Air Compressor
Length of Test: hrs.

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

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 Appropriatee.
WATER WELL * APPROPRIATION

Dean R. Baker

SW 1/2 SE 1/4 - Sec. 8 - T. 16, R. 12

State of Montana
County of Judith Basin
Filed for record this 19th
day of April 1971 A. D. at
10:00 A. M. o'clock.

Delight Leslie, Co.Clerk
By: ------------------------ Dep.

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

Owner: J. A. James & Holt
Address: Stanford, Mt.

Driller: Russell Ridgeway
Address: Windham, Mt.

Date of Notice of Appropriation of Groundwater: June 2, 1973
Date well started: June 2, 1973
Date Completed: June 2, 1973

Type of well: Dig
Equipment Used: Back Hoe
(dig, 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.

Static Water Level for non-flowing Well: 18 ft
Shut-in Pressure for Flowing Well
Pumping Water Level: 18 ft
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 similar pertinent information, including number of acres irrigated, if used for irrigation)

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 Judith Basin

Filed for record this 29th
day of June A.D. 1973 at
4:30 p.m.

Delight Leslie Co.Clk

Deputy
# WATER WELL LOG

**Owner:** W. F. Hall  
**Address:** Stanford

**Driller:** L. C. Practical  
**Address:** Stanford

**Date Started:** April 15, 1948  
**Date Completed:** May 6, 1948

**Location:** Sec. 9 T. 16 R. 12  
**Sec.** 5

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Industrial</td>
<td>Drainage</td>
<td>Other:</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 517 ft.</th>
<th>Type: Well</th>
<th>Size: 2 in.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>ft. to ft. 517 ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft. 517 ft.</td>
<td>Type:</td>
<td>Size:</td>
</tr>
</tbody>
</table>

**Perforated:** 797 ft. to 817 ft.  
**Type:** Slotted

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

**Shut-In pressure, for flowing well:** 35 lb. per sq. in.  
**Date:** May 6, 1948

**Pumping water level:** feet at gal. per min. 16

**How tested:**

**Length of test:**

**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>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>gravel and boulders</td>
</tr>
<tr>
<td>28</td>
<td>blue shale</td>
</tr>
<tr>
<td>110</td>
<td>sandy blue shale</td>
</tr>
<tr>
<td>185</td>
<td>sandstone</td>
</tr>
<tr>
<td>275</td>
<td>sandy shale</td>
</tr>
<tr>
<td>440</td>
<td>blue shale</td>
</tr>
<tr>
<td>535</td>
<td>gray shale with streaks of sandstone</td>
</tr>
<tr>
<td>550</td>
<td>gray sandy shale</td>
</tr>
<tr>
<td>575</td>
<td>fine white and green sandstone</td>
</tr>
<tr>
<td>590</td>
<td>red shale</td>
</tr>
<tr>
<td>722</td>
<td>alternating layers of hard sandstone and red shale</td>
</tr>
<tr>
<td>775</td>
<td>medium soft sandstone (water) in the second Cat Creek</td>
</tr>
</tbody>
</table>

*Log of Well*
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Willard F. Hall, of Stanford
   (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
      house, stock and irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      April 15, 1918. Continuous use

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      16 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
      2 acres of garden same as well

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      April 15, 1918. Completed May 6, 1918

   8. The depth of water table
      775 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
      817 ft. deep,cased 2½ ft. Galv. pipe, cemented with three sacks of cement

   10. The estimated amount of groundwater withdrawn each year
       Unknown

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

   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
   Willard F. Hall
   Date Jan. 1, 1968

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.
<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Gravel and boulders</td>
</tr>
<tr>
<td>28</td>
<td>Blue shale</td>
</tr>
<tr>
<td>110</td>
<td>Sandy blue shale</td>
</tr>
<tr>
<td>185</td>
<td>Sandstone</td>
</tr>
<tr>
<td>220</td>
<td>Sand shale</td>
</tr>
<tr>
<td>275</td>
<td>Blue shale with streaks of sandstone</td>
</tr>
<tr>
<td>515</td>
<td>Grey sandy shale</td>
</tr>
<tr>
<td>535</td>
<td>Grey sandy shale</td>
</tr>
<tr>
<td>565</td>
<td>Fine white and green sandstone</td>
</tr>
<tr>
<td>590</td>
<td>Red shale</td>
</tr>
<tr>
<td>722</td>
<td>Red shale</td>
</tr>
<tr>
<td>775</td>
<td>Alternating layers of hard sandstone with red shale</td>
</tr>
<tr>
<td>817</td>
<td>Medium soft sandstone (water in the second cat creek)</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1951)

1. Charles H. Baker  of  Stanford
   (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  livestock and house

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been  May 1913

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof  none

   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  concrete wall and well is 23' deep

   8. The depth of water table 23'

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater dug well with concrete wall, part of the way and pumped with electric pump

   10. The estimated amount of groundwater withdrawn each year unknown

   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

   Charlie Baker by
   Signature of Owner  Paul Baker
   Date  Dec. 13, 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.
UNITED GROUNDWATER RIGHTS

Charles M. Baker
SESESW Sec. 9-16-12
121938

State of Montana
County of Judith Basin
Filed for record this
13th day of Dec. A. D. 1933
at 1:00 o'clock P.M.

Delight Leslie, Ck. & Co.

by /___/ Dep

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)

1. Leona M.C. Baker of Box 196 Stanford, 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
      stock and domestic use dug well

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      June 15, 1918

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 6 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 method 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
      commenced April 15, 1918; completed June 15, 1918

   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
      28 ft. dug well concreted 12 feet down

   10. The estimated amount of groundwater withdrawn each year 200,000 gal per yr

   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

   Leona M.C. Baker
   Signature of Owner
   Date Dec. 19, 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.
#356

LEONA M. C. BAKER

SW SW 35 Sec. 9-16012

122093

State of Montana
County of Judith Basin

Filed this 23rd day of
December A. D. 1963 at
3:25 o'clock 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. Willard F. Hall of Stanford,
   (Name of Appropriator) (Address) (Town)
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>SW/4</th>
<th>NW/4</th>
<th>SE/4</th>
<th>NE/4</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based.
   - Household & Stockwater
   - 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.
   - 1942 & 1958

4. The amount of groundwater claimed (in miner's inches or gallons per minute).
   - 10 gallons a minute, 2.40 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof.
   - None

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   - Drilled well cemented down to the cement layer in the well, 2. Drilled well casing galvanized and completed in 1958.

8. The depth of water table.
   - 50 feet

9. To the best of my knowledge, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.
   - Drilled well casing galvanized.

10. The estimated amount of groundwater withdrawn each year.
    - Not known approximately 16,000.

11. The log or 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
Willard F. Hall
Date December 27, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer, Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
File No. 583
Willard F. Hall
34½/34½ Sec. 9-16-12

State of Montana
County of Judith Basin
Filed this 27th day of
December A. D. 1965 at
9:10 A.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. O. J. Salt of Stanford, Montana

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: 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): 10 gal per min.

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

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

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: 17 feet

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

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

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: Well is 20 feet deep

Signature of Owner: ______________________

Date: April 2, 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.
No. 236

Vested Grd. Rights
NWSWSW Sec. 16-16-12

O. J. Galt
120953

State of Montana
County of Judith Basin

Filed for record this 2nd.
day of April A.D. 1963 at 10:10
A.M.

Delight Leslie, Clk. & Rec.

by Betty [Signature] Dep.

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)

A. E. Leland
(Name of Appropriator)

Stanford
(Address)

Judith Basin
(Town)

Montana
(State)

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

1. Stock and house well.

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) Withdrawn by Electric Jet Pump.

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 inapplicable, 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 Quadriplecate for the Appropriator.
State of Montana
County of Judith Basin
Filed for record this 31st day of Dec., 1965 at 9:00 o'clock a.m.
Delight Leslie, Clk. & Rec.
By ______________________ Dep.
Fee $12.00 pd.
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 Completed: ____________

Date well started: ____________ Date completed: ____________

Type of well: Drilled Equipment Used: ____________
(trench, drill, rotary or other)

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>Depth of Flowing Water</th>
<th>Static Water Level for non-flowing Wells</th>
<th>Shut-in Pressure for Flowing Well</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; x 9' 6&quot; C.S.</td>
<td>2 1/4&quot; x 11'</td>
<td>325</td>
<td>2 ft.</td>
<td>100</td>
</tr>
</tbody>
</table>

Pumping Water Level: ____________ feet at 200 gal per minute.
Discharge in gal. per min. of flowing well: ____________ gal.
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 similar pertinent information, including number of acres irrigated, if used for irrigation:

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

Show exact depth of bottom.

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

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

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

Owner: R. Leland
Address: Stanford, Mont.
Driller: Thatcher Drilling
Address: Stanford, Mont.

Date of Notice of Appropriation of Groundwater: Nov. 1, 1964
Date well started: Jan. 28, 1965
Date completed: Jan. 30, 1965

Type of well: Drilled
Equipment Used: Rotary

Layers:
- 74. Overburden
- 75. Brown shale & broken sandstone
- 115. Hard shale & bentonite: sandstone
- 180. Blue shale & hard thin sandstone
- 312. Blue shale
- 341. Soft sandy shale & hard sandstone
- 380. Layers hard sandy shale & sandstone
- 399. Sandy shale & bentonite

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

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

Static Water Level for non-flowing Well: 15 ft.
Shut-in Pressure for Flowing Well: 100 pounds per square inch
Pumping Water Level: 80 feet
Discharge in gal. per min. of flowing well: 300 gal.
How Tested: Pumped
Length of Test: 5 hr.

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

Driller's License Number:
Driller's Signature:

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
NEW WELL
A. S. LELAND
SWSE Sec. 10-16-12

State of Montana
County of Judith Basin
Filed for record this 5th day of Feb. A.D. 1965 at 3:00 o'clock P.M.
Delight Leslie, Clk. & Rec.

By/mL.H. Dep.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. J. H. ERNST and OREN M. ERNST (Name of Appropriator)
of Stanford (Address)
County of Judith Basin State of Montana (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:
   - two wells
   - No. 1 - Stockwater
   - No. 2 - Household, Stockwater and irrigation

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   - Well No. 1 - 1938 in continuous use
   - Well No. 2 - November 1918 in continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   - Well No. 1 - 8 gallons per minute
   - Well No. 2 - 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:
   - Well No. 2 irrigates 2 acres, same description and owner of well

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Well No. 1 - Middling and hand pump
   - Well No. 2 - Artesian

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - Well No. 1 - began in 1938 and completed in 1939
   - Well No. 2 - began in September 1918 and completed November 1918

8. The depth of water table:
   - Well No. 1 - 10-12 feet
   - Well No. 2 - 1120 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 No. 1 - Dug well, 3 feet casing, 10 feet deep
   - Well No. 2 - Drilled well with 1 inch casing, 1100 feet deep with Artesian flow
   - Well No. 1 and Well No. 2 are approximately 200 to 300 feet distance from the other

10. The estimated amount of groundwater withdrawn each year:
    - Well No. 1 - 1,000,000 gallons
    - Well No. 2 - 1,000,000 gallons

11. The log of formations encountered in the drilling of each well if available:
    - No Log available on well No. 1
    - Well No. 2 drilled by O. O. Thatcher drilling Company but do not have a copy of the 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:

Signature of Owner

Date: November 6, 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.
No. 203

DECLARATION OF VESTED GROUNDWATER RIGHTS

Sec. 12-16-12

J. H. ERNST and GENE W. ERNST

State of Montana
County of Judith Basin

Filed this 6th day of Dec.
A. D. 1962 at 10:05 o'clock A.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. Boss and Florence Whitfield
   (Name of Appropriator) of Stanford
   (Address) in Town of
   Judith, Basin 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:
   stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   1916

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   10 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:
   1/4 Sec 14, T. 36 N., R. 12 W., Judith Basin

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:
   6" casing

8. The depth of water table:
   20 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   30 ft., deep with 6" casing

10. The estimated amount of groundwater withdrawn each year:
    5000 gallon per yr.

11. The log of formations encountered in the drilling of each well if available:
    none 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:
Florence Whitfield
Date: Dec. 10, 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.
290

Vested Groundwater Rights

ROCK WHITFIELD ET UX

SENE Secs. 13-16-12

121960

State of Montana

County of Judith Basin

Filed for record Aug. 20th day of Dec., A.D. 1939

2:05 o'clock P.M.

Deight Leslie, Clerk and R.O.

by: _____________________________ Dep.

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

(Under Chapter 237, Montana Session Laws, 1961)

**Top of Ground (Elev. above sea level) (*)() (1) (2) (3) (4)

0 to 5' soil
5' to 26' gray shale & sandstone
24' - 46' buff colored sandstone
46' - 60' sandy shale
60' - 171' dark to black shale
171' - 189' black shale
with layers of sandstone
189' - 195' hard sandstone & clay shale
195' - 199' sandstone
with some bentonite
199' - 205' bentonite
205' - 215' layers of bentonite & hard sandstone, water.

---

<table>
<thead>
<tr>
<th>Layers</th>
<th>Description</th>
<th>Date of Notice of Appropriation of Groundwater</th>
<th>Date Well Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 5'</td>
<td>Soil</td>
<td>May 8, 1967</td>
<td>April 15, 1961</td>
<td>May 8, 1967</td>
</tr>
<tr>
<td>5' to 26'</td>
<td>Gray Shale &amp; Sandstone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>24' - 46'</td>
<td>Buff Colored Sandstone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>46' - 60'</td>
<td>Sandy Shale</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>60' - 171'</td>
<td>Dark to Black Shale</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>171' - 189'</td>
<td>Black Shale</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>189' - 195'</td>
<td>Hard Sandstone &amp; Clay Shale</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>195' - 199'</td>
<td>Sandstone</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>199' - 205'</td>
<td>Bentonite</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>205' - 215'</td>
<td>Layers of Bentonite &amp; Hard Sandstone</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Equipment**

- Drilled: rotary
- Driller: O. C. Thatcher
- Address: Stanford, Mont.

**Water Use**

- Domestic
- Municipal
- Other
- Irrigation

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

---

<table>
<thead>
<tr>
<th>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>6½'</td>
<td>4&quot; galv. pipe</td>
<td>0</td>
<td>3</td>
<td>3/8&quot; drilled 185</td>
</tr>
<tr>
<td></td>
<td>4&quot; P.V.C. plastic</td>
<td>3</td>
<td>215</td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for Non-Flowing Well:** 113 feet

**Shut-in Pressure for Flowing Well:**

**Pumping Water Level:** 120 feet at 4 gal. per minute.

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

**How Tested:**

**Length of Test:** 3 hours.

**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)

---

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

---

**Show exact depth of bottom.**

---

**Driller's License Number:**

86

**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; quaduplicate for the Appropriator.
State of Montana
County of Judith Basin
Filed for record this 15th day of May A.D. 1967 at 2:30 o'clock P.M.

Delight Leslie, Clk. & Rec.
by Betty [Signature] Dep
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. A. L. Leland
   (Name of Appropria
tor)                  Stanford
   (Address)             (Town)
County of                Judith Basin
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: stock water

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1946 continuous

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1946

8. The depth of water table: 60 feet (Forty)

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

10. The estimated amount of groundwater withdrawn each year: Two Hundred Thousand Gallons

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

Signature of Owner: A. L. Leland
Date: Dec. 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
State of Montana
County of Judith Basin
Filed for record this
31st day of Dec., 1960
at 1:00 o'clock A.M.
Delight Leslie, Clerk and Sec.

by

Sec. 15-16-12

Vol. 111, p. 3.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Ross and Florence Whitfield
   (Name of Appropriator)
   Stanford
   (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
   - stock and house

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   - 1968

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

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
   - 6" casing and 115 ft. deep

8. The depth of water table
   - 50 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
   - Well is 115 ft. deep, 6" casing

10. The estimated amount of groundwater withdrawn each year
    - 283,500 gal per yr.

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: Florence Whitfield
   Date: Dec. 10, 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.
Vested Groundwater Rights
200 S. HULL RD. #20
SwOSSS Sec. 14-16-12
121963

State of Montana
County of Judith Basin
Filed for record this 10th
day of Dec., '63, 1963 at 2:20
o'clock p.m.

Delight Leslie, Clerk and A.G.
by [Signature]

Fee $2.00 paid
**MONTANA BUREAU OF MINES AND GEOLOGY**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Wil Weller</td>
<td>Stanford, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>O. C. Thatcher</td>
<td>Stanford, Montana</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 24, 1951</td>
<td>Sept. 4, 1951</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Location</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Sec. 14 T. 16 R. 12</td>
<td>NW SW</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well Drilled</th>
<th>Equipment used Rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Dug, driven, bored, or drilled)</td>
<td>(Churn drill, rotary, other)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use:</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic ☑</td>
<td>Municipal ☐</td>
</tr>
</tbody>
</table>

| Industrial ☐ | Drainage ☐ | Other: |

<table>
<thead>
<tr>
<th>Casing: ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 258</td>
<td>Galvanized</td>
<td>2&quot;</td>
</tr>
</tbody>
</table>

| Casing: ft. to ft. | Type | Size |

| Casing: ft. to ft. | Type | Size |

| Perforated or Screened: Ft. | Type | Size |

| Static Water level, for non-flowing well: | feet |

| Shut-in pressure, for flowing well: 15 to 20 lb/ sq. in. on: | Sept. 4, 1951 |

| Pumping water level feet at | gal. per min. |

| How tested: |

| Length of test |

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

| Flows 15 to 20 Gal. per minute |

| Curt Cock shut off at 10 ft. |

(over)
Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>18</td>
</tr>
<tr>
<td>18</td>
<td>34</td>
</tr>
<tr>
<td>34</td>
<td>69</td>
</tr>
<tr>
<td>69</td>
<td>73</td>
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<tr>
<td>73</td>
<td>101</td>
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<td>101</td>
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<tr>
<td>250</td>
<td>255½</td>
</tr>
<tr>
<td>255½</td>
<td>258</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Katherine Sandwelt, of Denison, 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

   Stockwater

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   March 9th, 1959
   and in continuous use since that time but is
   shut-off during the winter months

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 or 6 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

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

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

   Sec. N T. 16 R. 12

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   Started March 9th, 1959 and completed March 12, 1959

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.
   Drilled well—Drilled by G. C. Thatcher
   305 feet in depth, Gal for 2 inch casing installed, Slite in pipe,
   Cement Packing, Gate valve shut-off, Depth of top shut-off 6 ft.

10. The estimated amount of groundwater withdrawn each year
    Around 1,000 gallons a day

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.
   None

Signature of Owner: Katherine Sandwelt

Date: Feb. 26th, 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 Appropriate.
LOG OF WELL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>Overburden</td>
</tr>
<tr>
<td>3</td>
<td>Fine gravel</td>
</tr>
<tr>
<td>21</td>
<td>Bentonite</td>
</tr>
<tr>
<td>25</td>
<td>Sandstone</td>
</tr>
<tr>
<td>28</td>
<td>Blackish shale</td>
</tr>
<tr>
<td>38</td>
<td>Bentonite</td>
</tr>
<tr>
<td>40</td>
<td>Sandstone</td>
</tr>
<tr>
<td>41</td>
<td>Dark Greyish shale</td>
</tr>
<tr>
<td>75</td>
<td>Bentonite</td>
</tr>
<tr>
<td>77</td>
<td>Sandstone</td>
</tr>
<tr>
<td>78</td>
<td>Grey shale</td>
</tr>
<tr>
<td>120</td>
<td>Bentonite</td>
</tr>
<tr>
<td>121</td>
<td>Sandstone</td>
</tr>
<tr>
<td>122</td>
<td>Grey shale</td>
</tr>
<tr>
<td>155</td>
<td>Blue shale</td>
</tr>
<tr>
<td>169</td>
<td>Blue shale</td>
</tr>
<tr>
<td>169</td>
<td>Sandstone</td>
</tr>
<tr>
<td>171</td>
<td>Blue shale</td>
</tr>
<tr>
<td>230</td>
<td>Bentonite</td>
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<tr>
<td>232</td>
<td>Blue shale</td>
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<tr>
<td>240</td>
<td>Sandy Blue shale</td>
</tr>
<tr>
<td>260</td>
<td>Soft White Sandstone</td>
</tr>
<tr>
<td>280</td>
<td>Blue Shale</td>
</tr>
</tbody>
</table>

Katherine Sailstad
Vested Grd. Rights
SESW Sec 11-16-12
120858

State of Montana
County of Judith Basin
Filed for record this 28th day of Feb., A.D. 1963 at 8:00 o'clock A.M.
Delight Leslie, Clerk and K.

by Betty Sueves

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)

1. Leona M. C. Baker
   (Name of Appropriator)
   of Box 196
   Stanford, Montana
   (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
   rock water

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

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

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

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
   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
   Artesian 250 ft. deep cased with 2" gal. Casing

10. The estimated amount of groundwater withdrawn each year
    20,000 gal. per yr. estimated

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

Leona M. C. Baker
Signature of Owner by

Date Dec. 19, 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.
LEONA C. BAKER

S. W. 1/4: Sec. 15, T72, R39, M. N.

122092

State of Montana
County of Judith Basin

Filed this 23rd day of December, A.D. 1963 at 3:20 o'clock P.M.

County Clerk.

Fee $2.00 paid.
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: Green, Hank, Ford Lot Address: Stanford, Mont.
Driller: Pat. Hyrno Address: Fallon, Mont.

Date of Notice of appropriation of groundwater...........................................
Date well started: 10-16-1969 Date completed: 10-23-1969

Type of well: Drilled Equipment used: Churn drill
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Size of</th>
<th>Size and Weight of Drilling Bit</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot; 7/8&quot;</td>
<td>5 1/4&quot; 14#</td>
<td>36</td>
<td>60</td>
</tr>
</tbody>
</table>

Discharge in gal. per min. of flowing well

Static Water Level for non-flowing well

Shut-in Pressure for Flowing Well

Pumping Water Level

How Tested: Driller
Length of Test: 4 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff)

MONTANA WATER RESOURCES BOARD
RECEIVED
NOV 28 1969

35% NE 1/4 Sec. 16 T. 16 R. 12
Indicate location of well and place of use, if possible. Each small square represents 40 acres.

(Continue on reverse side)

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

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

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

Driller's License Number

Driller's Signature
Green Giant Feed Lot
By Jo Ann Gee

Section 16, T. 16, R. 12

State of Montana
County of Judith Basin

Filed for record this 26th
day of November at 11:35 A.M. 1969
Delight Lea, Co. Clerk
By: Delight Lea, Deputy

Fee: $2.00 paid
**Notice of Completion of Groundwater Appropriation by Means of Well**

**Developed After January 1, 1962**

(Under Chapter 237, Montana Session Laws, 1967)

---

**Owner:**

**Name:**

**Address:**

---

**Driller:**

**Name:**

**Address:**

---

**Date of Notice of Appropriation:**

**Date Well Started:**

**Date Completed:**

---

**Type of Well:**

**Equipment Used:**

---

**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**

**Shut-in Pressure for Flowing Well**

**Pumping Water Level**

---

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

---

**Remarks:**

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

---

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

---

**Show exact depth of bottom.**

---

**MONTANA WATER RESOURCES BOARD**

**RECEIVED**

**NOV 28 1969**

---

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. One copy to be retained by driller.

---

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

---

Driller's License Number

Driller's Signature
Green Giant Feed Lot
By Jo Ann Gee

SWNE 6 Sec. 16, T. 16 N. R. 12

State of Montana
County of Judith Basin
Filed for record this 26th
day November at 11:30 A. M. 1969

Delight Leslie, Co. Clerk
By Helen P. Halverson, Dep.

Fees $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. Great Northern Railway Company of 175 E. 4th St., St. Paul, Minnesota
   (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: Railroad purposes.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: August 23, 1941.

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Wells at Stanford, Kolin, Hobson, Wimham, Geyser, and Raynaford.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: August 7, 1941 - August 23, 1941.

8. The depth of water table: Static level: 18'.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 123 ft drilled well: 1931 deep: ceased to 17'.

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

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

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: Wall at Stanford leased to City; Wall at Kolin not presently in use.

GREAT NORTHERN RAILWAY COMPANY

[Signature]
Superintendent of the Butte Division

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.
Location of Well

3. Location of Well

- 1907 at Hobson
- Flowing well at time of drilling - 13 GPM
- N/A
- Completed June 1947
- 150,000 gallons
- N/A
- No water facilities here.

Location of Well

3. Location of Well

- January 17, 1958
- 49 GPM
- January 6, 1958 - January 17, 1958
- Static level - 18'
- 6' drilled well - 49' deep - cased to 49'
- 150,000 gallons
- N/A
- Clay and gravel 19'-20' boulders and clay, little water at 25'; 32'-49' lime color hardpan, some gravel at bottom of this for ice with water.
STANFORD, Mont.

Log of 12'x 193' drilled well No. 2, put down by
R. C. Forrester & machine - C. M. Wick, driller.
Work began 8/7/41 and finished 8/23/41.
Hole was cased with 172'-3" of 12' drive pipe.
Water stands at 84' from surface and
lowered to 170' when pumping 25 G.P.M.

Pie 62409

Location Sketch (log only)

100,000 Gal. Water Tank
Roo H.lf
Water Trig Plant
60 ft. Shadings

As of July 2, 1941

In grains per U.S. Gallon

- Total Diss. Solids 26.3
- Total Hardness 4.6
- Sulphate 11.4
- Sodium Carbonate 2.7
- Alkali Solids
HORSON, MONTANA


Water bearing sandstone was encountered at about 750' 429' depth and water flowed over top of pipe at rate of 15 ft/min. A well 12' 24' deep was dug around drilled well for a reservoir [Enlarged to 15' 43' 26' in 1913]

- Grid Surface
- Dig well 250' deep
- Location Sketch
- Record from old reports 44' 22
- W.T. 1490-24'
- 1491-49'
- 1481-46'
- TD-1200-119

Bottom of Casing 159'

1355'

W.B. Sandstone

463'

Bottom & hole cased 440'

Shale

290'

Caving began

1665'

Bottom of Hole as drilled.

Note: This diagram is a record of a drilling operation in Horson, Montana, detailing the depth of the well, the type of rock encountered, and the methods used to create a reservoir for the water found. The diagram includes a location sketch, a record from old reports, and specific measurements and depths noted in the drilling process.
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: Edna Lloyd
Address: Stanford, Mont

Driller: Terri Grau
Address: Stanford, Mont

Date of Notice of appropriation of groundwater:

Date well started: March 4, 1962
Date completed: March 8, 1962

Type of well: Drilled
Equipment used: Cable tool (Dug, driven, bored or drilled)

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

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 of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6 x .0625</td>
<td>13 ft</td>
<td>11 ft</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flooding well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested: Early Test

Length of Test: 18 ft.

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

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).

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

File No. 1

County:

LOG

Top of Ground
(Elev. above sea level ___________)

6.27 - Spotted sand
Yellow Clay

37.39 - Left Yellow Clay

39.33 - Brandy Blue Shale

53.60 - Anhydite Glance Water

56 - Bottom

40' North of the
No corner of S1/4
thence North 133 26' to a point, thence West
85 feet to the NE corner of the
well tract, thence South 133 77' thence
West 0', foot.

Block 13 in Second
Addition to the Townsite
of Stanford

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature.
Mrs. Minn Baggs, Owner

Sec. 16, Twp. 16, Rge. 12

State of Montana
County of Judith Basin

Filed this 14th day of March
1969 A. D., at 5:15 p.m.

Delight Leslie, Co. Clerk
By

Fee: $2.00 paid
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

Date of Notice of appropriation of groundwater: [Date]

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

Type of well: [Type]
Equipment used: [Equipment]

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

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>Strata of Defined Hole</th>
<th>Weight</th>
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<tbody>
<tr>
<td></td>
<td>(Feet)</td>
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</tbody>
</table>

PERFOMANCES

N

W

E

S

Static Water Level for non-flowing well [Feet]

Shut-in Pressure for Flowing Well [Feet]

Pumping Water Level [Feet]

at [Gallons per minute]

Discharge in gal. per min. of flowing well [Gallons per minute]

How Tested: [Method]

Length of Test [Feet]

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

(Continue on reverse side)

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

[Signature]
Driller's License Number

[Signature]
Driller's Signature

[Date]

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 235, 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

Water use

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 of Hole (Feet)</th>
<th>Size and Weight of Casing (Inches)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind of Casing</th>
<th>Depth (Feet)</th>
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</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, etc.)

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).

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature

4/11/53
Drilled Well

Robert Antonish
Lot 6, Blk 17, Stanford
3rd Addition

State of Montana
County of Judith Basin

Filed for Record this
2nd day of April A. D. 1966
at 10:00 o'clock A.M.

/County Clerk.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Owner

Address

Date well started

Date well completed

Type of well

Equipment used

Water Use: Domestic  □  Municipal  □  Stock  □  Irrigation  □

Industrial  □  Drainage  □  Other □  Garden/Lawn □

This is the same well as described in

USE: If used for irrigation, industrial, drainage or other. Explain.

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

Driller's Signature

Driller's Address

LICENSE NO.

County

DRILLER'S LOG

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

<table>
<thead>
<tr>
<th>Depth Below Sea Level</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.0</td>
<td>0.0</td>
<td>0.0</td>
</tr>
<tr>
<td>5.0</td>
<td>5.0</td>
<td>5.0</td>
</tr>
<tr>
<td>10.0</td>
<td>10.0</td>
<td>10.0</td>
</tr>
</tbody>
</table>

1.0 ft.

Static water level measured minutes after pumping began.

Well developed by for hours.

Power Pump HP

Remarks: (Gravel packing, cementing, packers, type of shutoff)
Green Giant Feed Lot
Stanford, Montana
By Jo Ann Gee

SW 1/4 SE 1/4 Sec. 16-16-12
Judith Basin County

State of Montana
County of Judith Basin
Filed this 12th day of
July A.D. 1971 at 11:30
o'clock A.M.

County Clerk.

Fee $2.00 Paid.
Montana Bureau of Mines and Geology

WATER WELL LOG

(Stanford Cemetery Association)

Owner: Stanford Cemetery Association
Town of Stanford: Stanford
Address: Stanford, Montana

Driller: Orville N. Pool
Address: Butte, Montana

Date Started: May 1st, 1960
Date Completed: May 12th, 1960

Location: Sec. 16, T. 16, R. 12, 1/4 sec. NE 3/4

Type of well: Drilled
Equipment used: Rotary

Water use: Domestic ☐, Municipal ☐, Stock ☐, Irrigation ☐

Industrial ☐, Drainage ☐, Other: for Stanford Cemetery ☐

Casing: 1 ft. to 200 ft. Type: Plastic, Size: 1½ in.

Perforated or Screened: from ft. to ft. from ft. to ft.

Type of screen or perforations:

Static Water level, for non-flowing well: _______ feet.
Shut-in pressure, for flowing well: _______ lb./sq. in. on: _______ (date)
Pumping water level: _______ feet at _______ gal. per min.

How tested:

Length of test:

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

Hole is 1/4" to 6".

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Gravel &amp; Boulders with streaks of sand</td>
</tr>
<tr>
<td>17</td>
<td>Bedded Clay</td>
</tr>
<tr>
<td>24</td>
<td>Hard Clay with rock stringers</td>
</tr>
<tr>
<td>63</td>
<td>Soft sandstone with water</td>
</tr>
<tr>
<td>94</td>
<td>Hard sandy clay</td>
</tr>
<tr>
<td>100</td>
<td>Sand rock with some increase in water</td>
</tr>
<tr>
<td>100</td>
<td>Hard Flaky Shale</td>
</tr>
<tr>
<td>117</td>
<td>Soft sand rock with hard stringers gone</td>
</tr>
<tr>
<td>130</td>
<td>Increase in this formation tested 5 gallons per minute</td>
</tr>
<tr>
<td>130</td>
<td>Hard blue shale with rock stringers</td>
</tr>
<tr>
<td>193</td>
<td>Soft sand with water</td>
</tr>
<tr>
<td>197</td>
<td>Rock tested for two hours</td>
</tr>
</tbody>
</table>

Filed in the office of Clerk of Pender County on this 15th day of June, 1940 at 2:15 o'clock P.M. in the presence of Judge Leslie.

County Clerk.
1. Robert Worn, A Mine May Worn, of Stanford
   (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
      Domestic - Household and Garden

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      1895 and in constant use since

   4. The amount of groundwater claimed (in miner's inches or gallons per minute)
      80 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
      Irrigate a garden in the same description as the well
      Lot 8 in Block 17, Stanford 3rd Addition

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Dug well - Started in 1925 and completed the same 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
      Dug well - depth of well 26'

   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
      None

   Signature of Owner
   Robert Worn
   Date March 7th, 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. 118998
ROBERT AND MINA MAX WOF
DECLARATION OF VESTED GROUNDWATER RIGHTS
Town of Stanford

STATE OF MONTANA
County of Judith Basin
Filed this 9th day of March,
A.D. 1962 at 8:00 o'clock A.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. Janis & Knute Lillegard
   (Name of Appropriator) of Stanford
   (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
      Domestic

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 2 or 3 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
      Irrigate a garden and yard

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Started in 1949 and finished that year

   8. The depth of water table
      16 Ft.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      Drilled wells 59 Ft. in depth Drilled by R. L. Flood 6" casing installed

   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
        None

   Signature of Owner
   Date Dec. 20th, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
STATE OF MONTANA
COUNTY OF JUDITH BASIN
Filed for record this 20th
day of Dec., A.D. 1963 at 2:00
o'clock P.M.
Delight Leslie, Clerk and 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)

1. Charles and Betty Loborg of Stanford
   (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 irrigation

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 350 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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal electric pump
      Well located on the NW of Tract A, Stanford Trust Fifth Addition.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater dug and cleaned up in 1951 and completed; cemented 32 feet

   8. The depth of water table 25 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 feet deep, cement about 3 feet in diameter

   10. The estimated amount of groundwater withdrawn each year about 28,000 gallons

   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: Charles Loborg
   Date: Sept. 19, 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.
CHARLES A. LOBERG

5 1/2 Tract A
Block 6 - Stanford
5th Addition

State of Montana
County of Judith Basin
Filed this 19th day of September A.D. 1963 at 4:00 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. Glen D. Rowland of Stanford
   (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: lawns, irrigation, and house

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1917

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

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: 1917

8. The depth of water table: 30 ft. underground

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: 8" steel casing

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

11. The log of formations encountered in the drilling of each well if available: not 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: water table stays the same the year around

Signature of Owner: ________
Date: August 20, 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 quadriplet to the Appropriator.
Veeted Groundwater Bts.
Glen D. Rowland
Lot 1,2,3 Blk. 26
Stanford Fourth Add.

Filed for record this 20th day of Aug. A.D. 1962 at
11:30 o'clock A.M.

Delight Leslie, Clk. & Rec.
by

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)

County of ____________________________

State of ____________________________

I, ____________________________, 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.

2. The date or approximate date of earliest beneficial use; and how continuous the use has been.

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

4. If used for irrigation, 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.

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

7. The depth of water table.

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

9. The estimated amount of groundwater withdrawn each year.

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

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.
File No. 613

B. N. Rosenquist
NE 1/4 SW 1/4 Sec. 16-16-12
State of Montana
County of Judith Basin

Filed for record this
31st day of Dec. A.D. 1963
at 3:56 P.M.

Deborah Lee
County Clerk

Fee $2.00 Paid.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Trinity Lutheran Church** ........................................... of **Stanford**
   (Name of Appropriator) ............................................... (Address)  
   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:
     - Domestic use and irrigation of lawn

   - **3.** Date or approximate date of earliest beneficial use; and how continuous the use has been **1960**.

   - **4.** The amount of groundwater claimed (in miner's inches or gallons per minute) **15 gpm**.

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

   - **6.** The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
     - Pump **Approx. 10 ft. south of church building**
     - on NE, SW, SE, NW, sec. 16, T67N, R20E.

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

   - **8.** The depth of water table **17 ft.**.

   - **9.** So far as it may be available, the type, size and depth of each well or the general specifications of any other work for the withdrawal of groundwater.
     - **Drilled well, 40 ft. casing, 80 ft. depth**.

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

   - **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 **none**.

---

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.

**Date:** 31 Dec. 1963

**Signature of Owner:** [Signature]

---

File No. ..........................................................

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**JAN 15 1964**
File No. 571

Trinity Lutheran Church
Sec. 16-16-12

State of Montana
County of Judith Basin
Filed this 31st day
of December A.D. 1963
at 3:313 o’clock P.M.,

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. Town of Stanford ____________________________________________ of __________________________
   (Name of Appropriator) ______________________________________
   (Address) __________________________________________________
   Stanford ____________________________________________________
   (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 ____________________________
   Municipal Water Supply

3. Date or approximate date of earliest beneficial use; and how continuous the use has been ________
   July 1960

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

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 irrigation

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal ____________________________
   Cylinder pump- 6 inch casing
   Electric

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater ________
   1960, Completed July, 1960 Cased for 45 feet

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 ____________________________________________
   Flowing well- pumped with an electric pump Cased to 41 feet

10. The estimated amount of groundwater withdrawn each year ________________
    7,776,000 gals.

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 ____________________________

   TOWN OF STANFORD
   Signature of Owner By ____________________________
   Mayor
   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 Appropriate.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Town of Stanford of Stanford
   (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
      Municipal Water Supply and Park purposes

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

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

   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
      Town Park

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Electric cylinder type pump by inch casing

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

   8. The depth of water table
      15 feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      Depth of well- 170 feet, cased to 119 feet
      Not a flowing well. Pumped by Electric Cylinder Pump

   10. The estimated amount of groundwater withdrawn each year
       77,600,000 gals.

   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
       None.

   TOWN OF STANFORD
   Signature of Owner: By __________________________
   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 Approprietor.
TOWN OF STANFORD

Well for Town Park
Lot 7 - Block 10,
Stanford 2nd Addition

State of Montana
County of Judith Basin
Filed this ___ day of
October, A.D. 1965 at
3:00 o'clock ___

[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. HUGHES FAMILY, a partnership, of Stanford,
   (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: Household...

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: October 7, 1915

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Lots 9 and 10 in Block 4, Stanford First Addition, Sec. 16, T. 16N, R. 12E.

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Hand pump on 4 inch pipe located on above described lots.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commenced September 10, 1915; completed October 7, 1915.

   8. The depth of water table: 30 to 35 feet.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4 inch pipe in 35 foot well; Water drawn by hand pump.

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

   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.

   HUGHES FAMILY, a partnership.
   Signature of Owner: Israel F. Hughes, Partner.
   Date: December 18, 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.
File No. 376
Hughes Family
Lots 9 & 10 in Block 4,
Stanford First Addition

State of Montana
County of Judith Basin
Filed this 26th day of
December A. D. 1963, at
2:25 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. Geo. R. Hogan of Stanford 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
      (Lawn and garden irrigation)

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      (1910)

   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
      (Leam 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

   8. The depth of water table
      (25 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
      (Dr. well, not walled in any way)

   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

   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: Aug. 6, 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.
#173

Dec. Vested G.V. Rights
Geo. R. Hogan
Rec. Book #119808

Filed for record this 6th day of August, 1962 A.D.
at 10:00 o'clock A.M.

Delight Leslie, Clerk and Rec.

by Betty

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)

1. Orla S. & Coral Dester, of Stanford, 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: 1. Household 2. Stockwater

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

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 gallons per minute 25 or 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: None

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric pump well 2.12 well 3.6 electric pump jack

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater both wells in 1928.

   8. The depth of water table: about 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: 30 feet 30 feet and dug with concrete curb, 42 hand dug without any curbing.

   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
   Date December 27, 1962.

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
File No. 301
Orla S. & Cora Beater
Sec. 16-16-12

State of Montana
County of Judith Basin
Filed this 27th day of
December A. D. 1962 at
9 A.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. Orval Re Stanford, of Judith Basin, 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 acre-feet per minute).

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.

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, 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: Orval Re Stanford
Date: 21 Dec 1948

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.
Fide No. 570

Orval E. Wright

Lot 6, Blk 11, Stanford
2nd addition and
Sec. 27, Twp. 16-16-12

State of Montana
County of Judith Basin

Filed this 31st day
of December 1, 1965
at 3:12 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)

STATE ENGINEER

1. Raymond Antoszski, 125 S. Main St., Bozeman, MT

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:

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.
File No. 548

Raymond & Allagra Antoszeski

State of Montana

County of Judith Basin

Filed this 31st day of December A. D. 1964 at 2:50 o'clock 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. Henry E. Treshinger of 222-1st Ave., North, Stanford
   (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:

   Lot 6, Blk 3, Stanford Orig.
   Sec. 16 T. 16 R. 12
   Electric Jet Pump
   Depth of well: 37 feet. Canal
   6" for 23 feet and 1½" pipe for 14 feet. Non-flowing well.

2. The beneficial use on which the claim is based
   Irrigation for yard and small garden

3. Date or approximate date of earliest beneficial use and how continuous the use has been
   Approx. 1915

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   Lot 6 in Block 3, Stanford Original
   Owner Henry E. Treshinger

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Electric Jet Pump
   6" going 23 feet & 1½" for 14 feet.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1915

8. The depth of water table
   23 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
   Depth of well: 37 feet. Canal
   6" for 23 feet and 1½" pipe for 14 feet. Non-flowing well.

10. The estimated amount of groundwater withdrawn each year
    28,500

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

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.
File No. 256

Henry E. Frenhinger
Lot 6, Block 5, Stanford
Original

State of Montana
County of Judith Basin

Filed this 10th day of
October 4, 1963 at 9:30
o'clock A.M.

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. Vera B. Rosseker
   (Name of Appropriator)
   of 205 - 3rd St. South
   Stanford
   (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 is
   Watering trees, gardens, lawns, and shrubbery - also domestic use until 1933

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1927. Well used continuously from 1927 to 1933 for domestic use and watering trees, gardens, lawns, and shrubbery, then used for above outdoor purposes when needed until 1936 or later. Pump removed at unknown later date. New pump installed in July, 1961 and water again used for above.

4. The amount of groundwater claimed (in inches of ground water per minute) - About 7 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
   Watering trees, gardens, lawns, and shrubbery on 3½ acres of the west block of the north 1/4 of the south 1/4 of the southwest 1/4 of section 31, T16N, R12W, Judith Basin County, Montana, owned by Vera B. Rosseker. Approximately one-half acre.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Water is withdrawn from the ground by a pump at the well, which was dug in the central area of the above real estate.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1947

8. The depth of water table
   About 28 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
   The well is a hole dug in the ground, approximately 3 feet wide and with a depth of 30 feet or more. Water is withdrawn by a pump at the well. Cement casing down about 15 or 20 feet.

10. The estimated amount of groundwater withdrawn each year
    Have no definite information. Rough estimate would be 80,000 to 100,000 gallons a year, or more, during the first period the well was used.

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record
    Book 110, Page 122, Records of Judith Basin County, Montana

Signature of Owner

Date: December 27, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
#395

Vera B. Roseler
Blk 9, Stanford 5th Add.

State of Montana
County of Judith Basin

Filed this 27th day of
December A.D. 1963 at
10:00 o'clock A.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)

Albert Haveman
of
Stanford, Montana

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: irrigation of yard

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: approximately 1955 used from May till about October

4. The amount of groundwater claimed (in inches or gallons per minute): 5 gallon 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: not known

8. The depth of water table: about 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:

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

11. The log of formations encountered in the drilling of each well if available: not 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: October 18, 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 Appropiator.
ALBERT AHRNUT
Stanford, Mont.

Lot 11, Blk. 1¼, 2nd Add
to Town of Stanford

State of Montana
County of Judith Basin
Filed for record this 18th day of
Oct. A.D. 1965 at 1:00 o'clock P.M.

Delight Leslie, Ck. & Rec.
by Betty [Signature] Dep.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Michael A. Bunchelt
(Address)

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: Irrigating

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1932, four summers

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 10 acres, Lot 17 and 18 Block 4 Stanford Original

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

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

8. The depth of water table: 20 ft

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 70 ft

10. The estimated amount of groundwater withdrawn each year: 80,000 gallons

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: Michael A. Bunchelt
Date: Dec. 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 Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Michael H. Burchak

Lots 17 & 18, Blk. 4,
Stamford Original

State of Montana
County of Judith Basin
Filed for record this
31st day of Dec., A.D. 1963
at 3:36 o'clock P.M.
Delight Leslie, Clerk and Sec.

by ________________________ Dep.
**MONTANA BUREAU OF MINES AND GEOLOGY**
Butte, Montana

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charlie Calkins</td>
<td>Stanford</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dog</td>
<td></td>
</tr>
</tbody>
</table>

**Location:** Sec 14, T. 16N, R. 12E, Judith Basin

**Date Started:** 1912  **Date Completed:** 1912

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

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

**Casing:**
- ft. to ft.  Type  Size
- ft. to ft.  Type  Size
- ft. to ft.  Type  Size

**Perforated or Screened:** Ft. to Ft.  Ft. to Ft.

**Type of screen or perforations:**

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

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

**Pumping water level:** feet at 100 gal. per min. hr.

**How tested:**

**Length of test:**

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

WELL IS 33' DEEP

(over)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. HARRY DEXTER & HELEN PERSOW
   of STANFORD, MONT
   (Name of Appropriate) (Address) (Town)

STANFORD 5TH ADDITION
TRACT 3

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.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been JUNE 1956

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

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner 2 100 X 50 LOTS

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1953 TO 1956

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 HAND DUG WELL, CEMENT Cased JET PUMP

10. The estimated amount of groundwater withdrawn each year 20000 GALL PER YEAR

11. The log of formations encountered in the drilling of each well if available CONCRETE GRAVEL ALL THE WAY

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 HARRY DEXTER
Date DEC 31, 1953

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 Applier.
Selmer Pierson & Harry Foster
Tract 3, Stanford 5th Add.

State of Montana
County of Judith Basin

Filed for record this 51st day of Dec., A.D. 1963
at 3:34 o'clock P.M.

by ___________________________ Dep.

Fee $2.00 pd.
**WATER WELL LOG**

- **Owner:** J. J. Egenberger  
  **Address:** Stanford, Montana
- **Driller:** Thatcher Drilling Co.  
  **Address:** Stanford, Montana
- **Date Started:** May 20, 1961  
  **Date Completed:** May 21, 1961
- **City of Stanford, Lot 3, Block 5, Stanford First Addition**
- **Location:** Sec. 1, T. 12 N., R. 60 E.

<table>
<thead>
<tr>
<th>Type of well Drilled</th>
<th>Equipment used</th>
<th>Rotary Drill</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Bore, driven, cased, or drilled)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

- **Casing:** 0 ft. to 41 ft.  
  **Type:** Gale  
  **Size:**
- **Casing:** ______ ft. to ______ ft.  
  **Type:** ______  
  **Size:** ______
- **Casing:** ______ ft. to ______ ft.  
  **Type:** ______  
  **Size:** ______

- **Perforated or Screened:** ______ ft. to ______ ft.  
  ______ ft. to ______ ft.

- **Type of screen or perforations:**

- **Static Water level, for non-flowing well:** ______ feet.
- **Shut-in pressure, for flowing well:** ______ lb./sq. in. on: ______

- **Pumping water level:** ______ feet at ______ gal. ______ gal. p: ______ min. ______

- **How tested:** compressed air

- **Length of test:**

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

---

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 4</td>
<td>Clay soil</td>
</tr>
<tr>
<td>4 - 8</td>
<td>Clay and gravel</td>
</tr>
<tr>
<td>8 - 16</td>
<td>Cemented gravel and boulders</td>
</tr>
<tr>
<td>16 - 29</td>
<td>Gravel and boulders imbedded in clay</td>
</tr>
<tr>
<td>29 - 31</td>
<td>Loose gravel (water)</td>
</tr>
<tr>
<td>31 - 39</td>
<td>Sand and clay with boulders</td>
</tr>
<tr>
<td>39 - 41</td>
<td>Blue shale</td>
</tr>
</tbody>
</table>

Water Well Log #68

filed this 12th day of Oct., A.D. 1901 at 9:00 o'clock A.M.

Delight Leedy by  

[Signature]

Disp
**MONTANA BUREAU OF MINES AND GEOLOGY**
**Butte, Montana**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Mary Frankovich</td>
</tr>
<tr>
<td>Address</td>
<td>Janford, Mont.</td>
</tr>
<tr>
<td>Driller</td>
<td></td>
</tr>
<tr>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td>Fall of 1912</td>
</tr>
<tr>
<td>Date Completed</td>
<td>Fall 1912</td>
</tr>
<tr>
<td>Location: Sec. R T</td>
<td>16 N 12 E 9W</td>
</tr>
<tr>
<td>Type of well</td>
<td>DUS-SA</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Pick and shovel</td>
</tr>
<tr>
<td>Water use: Domestic</td>
<td>X</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Municipal</td>
<td></td>
</tr>
<tr>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Casing: ft. to ft.</td>
<td></td>
</tr>
<tr>
<td>Type</td>
<td></td>
</tr>
<tr>
<td>Size</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened: Ft. to Ft.</td>
<td></td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td></td>
</tr>
<tr>
<td>feet</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td></td>
</tr>
<tr>
<td>lb/sc ft. on: (date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level: ft.</td>
<td></td>
</tr>
<tr>
<td>feet at gal. per min.</td>
<td></td>
</tr>
<tr>
<td>Length of test</td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Glen Galt and Catherine M. Galt
   (Name of Appropriator)  Stanford
   (Address)  Stanford
   (Town)  Stanford

   County of Judith Basin  State of Montana

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

   Lot 1 in Block 2, Stanford 1st Add.
   44  Sec. 7, T. R.

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

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

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

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 average and description of the lands to which water has been applied and name of the owner thereof:
   Irrigates Lot 1 and the 2% of Lot 2, Block 2, Stanford 2nd Addition.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   Started in 1960 and completed that year.

8. The depth of water table: 21 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:
   Well is 38 ft. in depth and was drilled by G. G. Thatcher. 4" plastic casing installed.

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
   Date: Dec. 23rd, 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.
File No. 359
Sec. Book -122074
Lot 1 in Block 2,
Stanford 2nd Addition.

122074
State of Montana
County of Judith Basin

Filed this 23rd day of Dec.
A.D. 1963, at 9:00 A.M.

County Clerk.

Fee $2.00 paid.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODF
OFFICE OF STATE ENGINEER

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

Oliver J. Saltz
(Name of Appropriator)

County of: Judith Basin

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: Irrigation of Lawn and Garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1927 in June

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 ft Wells: have 25" of water in the well

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Use the water on the irrigation of two lots: Number 9 & 10 Block 6: Stanford: Montana

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: We have a jet pump to pump water out of well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: The pump is in the well and has been every season

8. The depth of water table: To struck water at about 28 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: The well is around 20 ft. deep and is a hand dug well; the pump will run two or three hours or longer with a hose attached.

10. The estimated amount of groundwater withdrawn each year: Several thousand gallons

11. The log of formations encountered in the drilling of each well if available: We have 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: Signed: J. Saltz

Signature of Owner

Date: 12/21/63

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 Quaduplicate for the Appropriator.
File No. 542

Oliver J. Salt
Lots 9 and 10 Blk 5
Stanford

State of Montana
County of Judith Basin

Filed this 1st day of December 1963 at
2:40 o'clock p.m.

County Clerk.

Fee $2.00 Paid.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

STATE ENGINEER

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

1. ___________________________, Stanford, Montana, Stanford 2nd Add., Lot 7 Block 11, Town of Stanford, Sec 16 T. R.

2. The beneficial use on which the claim is based:
   - Irrigating lawns and trees
   - Irrigating lawns and trees

3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   - June 1, 1961, continuous use during the summer months, not used at all in the winter.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
   - 40 acres on one city lot owned by my self.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - Commenced May 15, 1961; completed June 1, 1962.

8. The depth of water table:
   - Approx 28 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:
   - Well is 6 inch cast and was dug fifty feet deep.

10. The estimated amount of groundwater withdrawn each year:
    - 40000 gals.

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

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

Signature of Owner: ___________________________
Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Filer No.
547

Myron C. Baker
Lot 7, Blk 11,
Town of Stanford

State of Montana
County of Judith Basin
Filed this 31st day
of December 9, 1965 at
2:49 o'clock p.m.

[Signature]
County Clerk.

See 12:00 p.m.
**Declaration of Vested Groundwater Rights**
(Under Chapter 237, Montana Session Laws, 1961)

1. LeRoy E. & Loretta A. Hammer, of 119 3rd St. North, Stanford
   (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:

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

2. The beneficial use on which the claim is based: irrigation of lawn and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1927, about 12 months a year

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

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

   H-Block 4, 5th addition to Stanford, Montana

   LeRoy E. and Loretta A. Hammer

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

   Electric Pump

   H-Block 4, 5th addition to Stanford, Montana

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1927

8. The depth of water table: about 28 feet

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

   Dug Well, about 5 ft. in diameter, and about 30 ft. in depth

10. The estimated amount of groundwater withdrawn each year: 324,000 gallons

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

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

   Signature of Owner: [Signature]

   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 Approprietor.
# 471

LeRoy H. & Loretta A. Hammer

North 1/4, Block 4 to 5th addition
Stanford, Montana

State of Montana

County of Judith Basin

Filed for record this

30th day of December A. D. 1963

at 2:55 P.M.

Delight Leslie, Clk. & Rec.

By

Deputy