STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Harold Beasler
   (Name of Appropriator)
   of
   (Address)
   (Town)

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   August, 1955
   and is in continuous use

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof
   Not used for irrigation on the gaden
   in the same quarter as the well is seated

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

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

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, drilled well and 600 feet deep, 2" pipe installed in well
   Shut-off installed 5 feet below the surface, 12 ft. pressure

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 The estimated amount of groundwater withdrawn each year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
    Log 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, Harold Beasler
Date, March 20th, 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. Number 139088

DECLARATION OF VESTED GROUND-WATER RIGHTS

HAROLD NOELEI

SMITH- Sec. 23-16-13

STATE OF MONTANA
COUNTY OF JEFFERSON

Filed this 20th day of March
A. D. 1962 at 2:50 P.M.

Claire & Rosser, Inc.

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. Douglas D. Dubois of Judith Basin, 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:

   - The beneficial use on which the claim is based: Stockwater and Domestic
   - Date or approximate date of earliest beneficial use, and how continuous the use has been: May 18, 1949 - Continuous Use
   - The amount of groundwater claimed (in miner's inches or gallons per minute): 8 gallons a minute
   - 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
   - The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Started in 1949 and completed on that date
   - The depth of water table: Flowing well
   - The type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well 413 feet in depth, galvanized 2 inch casing, shutoff installed
   - The estimated amount of groundwater withdrawn each year: Not known
   - The log of formations encountered in the drilling of each well if available: See reverse side
   - Such other information of a similar nature as will be useful in carrying out the policy of this act, including reference to book and page of any county record: None

   Signature of Owner: Douglas D. Dubois
   Date: December 26, 1963

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

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

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.
# LOG OF WELL

<table>
<thead>
<tr>
<th>Depth</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Sandstone &amp; shale</td>
</tr>
<tr>
<td>50</td>
<td>Blue Shale</td>
</tr>
<tr>
<td>175</td>
<td>Grey Shale</td>
</tr>
<tr>
<td>203</td>
<td>Grey Sandy Shale</td>
</tr>
<tr>
<td>233</td>
<td>Red Shale</td>
</tr>
<tr>
<td>330</td>
<td>Alternating red shale and Sandstone</td>
</tr>
<tr>
<td>400</td>
<td>Course Sandstone with water</td>
</tr>
</tbody>
</table>

Douglas H. Davis  
Clerk. Sec. 34-16-13  
State of Montana  
County of Judith Basin  
Filed this 26th day of December, A.D. 1965, at 1:20 P.M.

County Clerk

Fee $2.00 Paid.
File No. 364

Douglas H. Dubois
SE 35-56 sec. 34-16-15

State of Montana
County of Judith Basin

Filed this 26th day
Dec. 6, 1963 at 11:20 A.M.

Delight Leavitt
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>7</td>
<td>Dixon, George D.</td>
<td>REV. 1/2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Kiner, John</td>
<td>REV.</td>
<td>102.12E</td>
<td>16N.15E</td>
</tr>
<tr>
<td>8</td>
<td>Blevins, Cast.</td>
<td>REV.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Pope, Albert</td>
<td>REV.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Nangle, Frank</td>
<td>REV.</td>
<td>105.04E</td>
<td>16N.12E</td>
</tr>
<tr>
<td>10</td>
<td>Helzer, Jack</td>
<td>REV. 4</td>
<td>123.XX</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>REV.</td>
<td>123.XX</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>REV.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td></td>
<td>REV.</td>
<td>123.XX</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td></td>
<td>REV.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**County:** Liberty  
**Twp.:** 16N  
**Rge.:** 14E
**WATER WELL LOG**

**Owner:** George D. Deegan  
**Address:** Mousoing, Montana

**Driller:** C. C. Thatcher  
**Address:** Stanford, Montana

**Date Started:** Dec. 1, 1954  
**Date Completed:** Jan. 22, 1955

**Location:** Sec. 3  
T. 16  
R. 14  
M MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana

<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>

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

**Casing:**  
- 5 ft. to 131 ft.  
  Type: Galvanized  
  Size: 2 inches

**Perforated or Screened:**  
- 0 ft. to 0 ft.

**Type of screen or perforations:** Open and

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

**Shut-in pressure, for flowing well:** 150 lb./sq. in. on: (date)

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

**How tested:** pressure gauge

**Length of test:**

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

- Cement packing with 2 inch valve shut-off (over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-225</td>
<td>Blue shale, 165-175 shallow sand layer, some water and gas</td>
</tr>
<tr>
<td>225-315</td>
<td>Blue shale with layers of sandstone and bentonite</td>
</tr>
<tr>
<td>305-322</td>
<td>About one gallon of water every 1 or 5 min.</td>
</tr>
<tr>
<td>322-401</td>
<td>Hard sandy shale with layers of sandstone and bentonite.</td>
</tr>
<tr>
<td>401-479</td>
<td>Hard sandy shale with few layers of mud, hard sandstone</td>
</tr>
<tr>
<td>479-570</td>
<td>Very hard sandstone</td>
</tr>
<tr>
<td>570-670</td>
<td>Sandy-blue-black shale</td>
</tr>
<tr>
<td>670-755</td>
<td>Soft blue shale with intermittent layers of sand or limestone</td>
</tr>
<tr>
<td>755-865</td>
<td>Blue shale with some layers of sandstone or lime.</td>
</tr>
<tr>
<td>865-893</td>
<td>Hard sandy shale, possibly got a small amount of water, this should be the Mid-Muddy sandstone.</td>
</tr>
<tr>
<td>893-980</td>
<td>Soft bluish gray shale</td>
</tr>
<tr>
<td>980-1010</td>
<td>Hard shale and sandstone</td>
</tr>
<tr>
<td>1010-1120</td>
<td>Soft sandy shale</td>
</tr>
<tr>
<td>1120-1135</td>
<td>Red and green shale</td>
</tr>
<tr>
<td>1135-1225</td>
<td>Small amount of case, soft red shale</td>
</tr>
<tr>
<td>1225-1285</td>
<td>Soft red shale</td>
</tr>
<tr>
<td>1285-1295</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>1295-1299</td>
<td>Sandstone</td>
</tr>
<tr>
<td>1299-1305</td>
<td>Soft shale and sandstone, mostly sandstone, about 10 gal. per min, 1203-1285</td>
</tr>
<tr>
<td>1305-1396</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>1396-1398</td>
<td>Sandstone, water-bearing</td>
</tr>
<tr>
<td>1398-1415</td>
<td>Sandstone, water flowing at rate of about 17 gal. per min.</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>O. N. Riexman</th>
<th>Address</th>
<th>Nysusin, Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>O. C. Thatcher</td>
<td>Address</td>
<td>Stanfoid, Mont.</td>
</tr>
<tr>
<td>Date Started</td>
<td>9-2-53</td>
<td>Date Completed</td>
<td>9-30-53</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 8, T. 16, R. 14, 1/4 sec. NW</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
<td>Equipment used</td>
<td>Rotary</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic [x]</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing:</td>
<td>0 ft. to 1100 ft.</td>
<td>Type: Galvanized</td>
<td>Size: 3 inch</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
<td>Type:</td>
<td>Size:</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td></td>
<td>Ft. to Ft.</td>
<td>Ft. to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td></td>
<td>feet.</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>125 lb./sq. in.</td>
<td>9-30-53</td>
<td>(date)</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>feet at gal. per min.: 15 gal.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
<td>free flow from 3 in. pipe</td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>about 1 hr. at different intervals</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Casing cemented in to a depth of about 16 feet, 3 in. gate valve shut off</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>at 6 ft. depth</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 19</td>
<td>Overburden</td>
</tr>
<tr>
<td>19 - 142</td>
<td>Alternate blue shale and Bentonite</td>
</tr>
<tr>
<td>142 - 155</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>155 - 165</td>
<td>Sandstone and Bentonite about 10 gal per min (sulphur)</td>
</tr>
<tr>
<td>165 - 735</td>
<td>Sandy blue shale</td>
</tr>
<tr>
<td>735 - 885</td>
<td>Sandy shale alternating with layers of hard to red, hard sand 2 to 3</td>
</tr>
<tr>
<td>785 - 895</td>
<td>green sandstone</td>
</tr>
<tr>
<td>895 - 950</td>
<td>grey shale</td>
</tr>
<tr>
<td>950 - 1048</td>
<td>red shale</td>
</tr>
<tr>
<td>1048 - 1053</td>
<td>sandstone</td>
</tr>
<tr>
<td>1053 - 1070</td>
<td>red shale</td>
</tr>
<tr>
<td>1070 - 1100</td>
<td>alternating layers of red shale and sandstone</td>
</tr>
<tr>
<td>1100 - 1125</td>
<td>sandstone, about 15 gal water per min.</td>
</tr>
</tbody>
</table>
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>August Boeck</td>
<td>Stanford</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>Depth</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>16</td>
<td>16</td>
<td>NW4</td>
</tr>
</tbody>
</table>

Type of well: Drilled
Equipment used: Rotary

Type of well: Drilled
Equipment used: Rotary

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

Industrial [ ] Drainage [ ] Other: [ ]

Casing: 0 ft. to 1380 ft. Type: Galvanized
Size: 2"

Casing: 1380 ft. to 1395 ft. Type: Size

Perforated or Screened: Ft. to Ft. Type: Perforated

Static Water level, for non-flowing well: feet

Shut-in pressure, for flowing well: 65 gal per min. from 1320 ft. to 1395 ft.

Pumping water level: feet at 65 gal per min.

How tested: By Flow

Length of test: [ ]

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

Shut off by cementing at about 1320 ft. then went on.
<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>443</td>
</tr>
<tr>
<td>443</td>
<td>665</td>
</tr>
<tr>
<td>665</td>
<td>917</td>
</tr>
<tr>
<td>917</td>
<td>668</td>
</tr>
<tr>
<td>668</td>
<td>668</td>
</tr>
<tr>
<td>668</td>
<td>752</td>
</tr>
<tr>
<td>752</td>
<td>852</td>
</tr>
<tr>
<td>852</td>
<td>917</td>
</tr>
<tr>
<td>917</td>
<td>1013</td>
</tr>
<tr>
<td>1013</td>
<td>1129</td>
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<tr>
<td>13</td>
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<td>1310</td>
<td>1320</td>
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<tr>
<td>1320</td>
<td>1395</td>
</tr>
<tr>
<td>1395</td>
<td>1395</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Aug., 1962

Owner: Holser Bros. Address: Stanford, Mont.

Contractor (if any): Charles Henry

Address of Contractor: Hobson, Montana

Date Started: July 25, 1962; Date Completed: Aug. 1st, 1962

Describe means of obtaining groundwater without a well 'as by
sub-irrigation and other natural processes'. Include depth to
water when applicable. Two 40' lengths of perforated
sewer pipe dug in into gravel at 2 ft. depth and
converge at stockwater tanks on side hill

Quantity of water developed and used with explanation of method
used to measure or estimate such amount. If use is intermittent
estimate approximate lengths of periods of use. continuous
use. Flows freely into tanks at 1/2 gal. per min
or 1/450 gals per day. Takes 1/2 min to fill
1 gal. can.

Holser Bros.

Signature of Owner

Date: Dec. 23rd, 1963.
HOLZER BROS.

Spring— 122091

Sec. 36 NW 1/4 Sec. 16-16-14

State of Montana
County of Judith Basin

Filed this 23rd day of December A. D. 1965 at 3:15 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. Holzer Bros.  
of Stanford  

Address:  
Town:  
County: Judith Basin  
State: Montana  

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

<table>
<thead>
<tr>
<th>Number</th>
<th>East</th>
<th>North</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>16</td>
<td>16</td>
</tr>
</tbody>
</table>

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

Stockwater, Irrigation, Domestic and household use.  

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

Continuous daily use since completed on March 10, 1955.  

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

10 gals 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:  

4 acres at garden ground next to well site.  

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

Artesian  

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


Drilled by Thatcher Drilling Company  

8. The depth of water table:  

1080 ft. first hit water.  

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

1080 ft. to 1120 ft. with 1/2 to 4" slot. Artesian flow over the top at 100 lbs pressure.  

10. The estimated amount of groundwater withdrawn each year:

2,500,000 gals.  

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

See Reverse Side.  

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: John Holzer  
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.
Log of well

From to

0 17 Overburden
17 143 Alt. layers Blue shale & bentonite
143 150 Blue shale
150 170 Sandstone & bentonite, hit about 5 GPM sulphur water
Blue shale
170 715 Sandy shale Alt. layers hard to red hard sand 2-3 inches thick
715 830 Green sandstone
830 900 Grey shale
900 935 Red shale
935 1061 Red shale
1061 1070 Sandstone
1070 1073 Red shale
1073 1096 Hard sandstone
1096 1118 soft porous sandstone
1118 1120 Hard Sandstone

Well produces approx. 10 G.P.M. water.
cased with 2" galv. pipe, rockers
at 40' & 60' cemented in, perforated
1080' - 1120' 24" slots.

End. Thatcher Driller.

Holzer Bros.
Sec. 18-16-14
122090
State of Montana
County of Judith Basin
Filed for this 23rd
day of December, A.D. 1963
at 5:10 P.M.

County Clerk.

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

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

1. Holzer Bros. of Stanford, Montana
   (Name of Appropriator) (Address) (Town)
   County of Judith Basin State of Montana

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 Continuous since completed 1 Sept. 56

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 1 gal per minute artesian flow

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 artesian flow and auxiliary pump

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Began drilling Aug. 31 and completed Sept. 1, 1956.

8. The depth of water table 22 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 Cased with 2" gal casing to 50 ft.

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

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.
<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>14</td>
<td>Overburden</td>
</tr>
<tr>
<td>14</td>
<td>23</td>
<td>Grey shale</td>
</tr>
<tr>
<td>23</td>
<td>25</td>
<td>Coarse sand</td>
</tr>
<tr>
<td>25</td>
<td>39</td>
<td>Grey shale</td>
</tr>
<tr>
<td>39</td>
<td>40</td>
<td>Coarse sand</td>
</tr>
<tr>
<td>40</td>
<td>74</td>
<td>Grey shale</td>
</tr>
<tr>
<td>74</td>
<td>76</td>
<td>Bentonite</td>
</tr>
<tr>
<td>76</td>
<td>86</td>
<td>Sandstone with bentonite in layers</td>
</tr>
<tr>
<td>86</td>
<td>9 1/2</td>
<td>Grey shale.</td>
</tr>
</tbody>
</table>

Well cased with 2" galvanized pipe. Well producing approximately 1 gallon per minute. Cemented in packer at 69 feet with 2 banks of cement.
Declaration of Vested Groundwater Rights (Under Chapter 237, Montana Session Laws, 1961)

1. [Name of Appropriator] of Stanford, Judith Basin, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

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

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

Wm. L. Dickson

January

Delight Leslie by

Clerk & Rec., Judith Basin

Jan

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Description</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Overburden</td>
<td></td>
</tr>
<tr>
<td>38</td>
<td>Sandstone</td>
<td>Soft and medium hard sandstone</td>
</tr>
<tr>
<td>97</td>
<td>Sandy shale</td>
<td>Alt. layers sandstone and sandy shale gray &amp; blue color</td>
</tr>
<tr>
<td>130</td>
<td>Soft gray</td>
<td>Hard sandy shale &amp; sandstone</td>
</tr>
<tr>
<td>155</td>
<td>Grey</td>
<td>Sandstone with hard streaks</td>
</tr>
<tr>
<td>165</td>
<td>Hard sand</td>
<td>Grey sandy shale</td>
</tr>
<tr>
<td>175</td>
<td>Hard sand</td>
<td>Hard to medium hard sandstone</td>
</tr>
<tr>
<td>180</td>
<td>Red sand</td>
<td>Hard to medium hard sandstone &amp; gray shale</td>
</tr>
<tr>
<td>185</td>
<td>Red sand</td>
<td>Sandstone resembling 2nd cut creek</td>
</tr>
<tr>
<td>190</td>
<td>Sandstone</td>
<td>Red sand</td>
</tr>
<tr>
<td>195</td>
<td>Sandstone</td>
<td>Soft sandstone (water) produces approx 15 - 20 gal per min.</td>
</tr>
</tbody>
</table>

V.O.R. Sec. 25-5-6

State of Montana

County of Judith

The undersigned, Clerks and Rec., Judith Basin

Wm. L. Dickson

notary public

This 15th day of Jan., A.D., 1963, at 2:00 P.M.,

I, the said notory public, caused the above

above to be signed by the party first above mentioned.

120662

V. R. S.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Mabel Walker

(Name of Appropriator)

of

Benchland

(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
   1955 and has been in continuous use.

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   15 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 yard in the same description.

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 1955 and completed in 1957.

8. The depth of water table
   110 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 well—Depth 1985 Ft.
   2 inch casing installed up to 100 ft and the rest is 4 inch----Drilled by O. C. Thatcher.

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
    None.

Signature of Owner: Mabel Walker

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., 1965 at 9:00
of clock a.m.
Delight Leslie, Clerk and Recq.

by

Fee $2.00 pd.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Koth, Carl</td>
<td></td>
<td>525</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Yoz/Shaw, Walter</td>
<td></td>
<td>2128-63</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Peterson, Deans</td>
<td></td>
<td>770</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Koth, Carl</td>
<td></td>
<td>457</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Pet Ing, Allard, Th</td>
<td></td>
<td>911</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Brown, Paul</td>
<td></td>
<td>100-3894</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Verhees, Edora</td>
<td></td>
<td>301</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Brown, Albert</td>
<td></td>
<td>320</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Brown, Albert</td>
<td></td>
<td>309</td>
<td></td>
</tr>
<tr>
<td>33</td>
<td>Ayers, Inc.</td>
<td></td>
<td>691</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Khun, Dean</td>
<td>GW 3</td>
<td>122.04</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Khun, Dean</td>
<td>GW 3</td>
<td>122.045</td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA

OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS

1. Carl Yoth

(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.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been approximately 12 years; and continuously since this date.

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 approximately 1968, completed and used same year, and in continuous use.

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 December 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. 556

Carl Voth
See. 1-16-15

State of Montana
County of Judith Basin
Filed this 31st day of
December A. D. 1963 at
2:56 o’clock P.M.

[Signature]
County Clerk.
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater 1906
Owner Ivan Khun Address Hobson, Montana
Contractor (if any) None
Address of Contractor None
Date Started 1906 Date Completed 1906

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. Natural flow. No depth.

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

3 gallons per minute.

Signature of Owner Ivan Khun
Date Dec. 19th, 1963

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

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

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

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

Notice of Completion of Groundwater Appropriation Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1966
Owner: Ivan Khun Address: Hobson, Montana
Contractor (if any): None
Address of Contractor: None
Date Started: 1966 Date Completed: 1966

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

Natural flow. No depth.

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

1 gallons per minute.

Signature of Owner: Ivan Khun Date: Dec. 19th, 1963

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

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

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

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

IVAN KROH

SSE SW Sec. 5-16-15

122046

State of Montana
County of Judith Basin
Filed for record this 19th day
of Dec. A.D. 1963 at 1:05 o'clock
P.M.
Delight Leslie, Clerk and R.o.
g
Fee $3.00 pd.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater...1914
Owner...Ivan Khun...Address...Eobson, Montana
Contractor (if any)...None
Address of Contractor...None
Date Started...1914...Date Completed...1914

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

Dug to a depth of six feet.
Cement slab installed.

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

2 gallons per minute.

Signature of Owner...Ivan Khun
Date...Dec. 19th, 1965.

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana
Bureau of Mines and Geology and quadruplicate for the Appropriator.
GROUNDWATER APPROPRIATION
IVAN KEUN
SWSE Sec. 9-16-15
122045

State of Montana
County of Judith Basin
Filed for record this 19th
day of Dec. A.D. 1963 at 1:00
o'clock P.M.
Delight Leslie, Clk. & Rec.
by____________________Dep.

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

**STATE ENGINEER**

<table>
<thead>
<tr>
<th>Field</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Owner</strong></td>
<td>Walter <strong>Nichman</strong></td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Moakes, Mont.</td>
</tr>
<tr>
<td><strong>Driller</strong></td>
<td>E. C. <strong>Hatcher</strong></td>
</tr>
<tr>
<td><strong>Address</strong></td>
<td>Stanford, Mont.</td>
</tr>
<tr>
<td><strong>Date Started</strong></td>
<td>June 27, 1957</td>
</tr>
<tr>
<td><strong>Date Completed</strong></td>
<td>July 12, 1957</td>
</tr>
<tr>
<td><strong>Location</strong></td>
<td>Sec. 12, T.22N., R.16E., 1/4 sec., 1/4 of SW.</td>
</tr>
<tr>
<td><strong>Type of well</strong></td>
<td><strong>drilled</strong></td>
</tr>
<tr>
<td><strong>Equipment used</strong></td>
<td><strong>rotary</strong></td>
</tr>
<tr>
<td><strong>Water use</strong></td>
<td>Domestic, Irrigation</td>
</tr>
<tr>
<td><strong>Casing</strong></td>
<td>Galvanized, 8&quot;</td>
</tr>
<tr>
<td><strong>Perforated or Screened</strong></td>
<td>1355 ft. to 1456 ft.</td>
</tr>
<tr>
<td><strong>Type of screen or perforations</strong></td>
<td><strong>litz perforated</strong></td>
</tr>
<tr>
<td><strong>Static Water level</strong></td>
<td>For non-flowing well:</td>
</tr>
<tr>
<td><strong>Shut-in pressure</strong></td>
<td>For flowing well:</td>
</tr>
<tr>
<td><strong>Pumping water level</strong></td>
<td></td>
</tr>
<tr>
<td><strong>How tested</strong></td>
<td>Closed line with valve and curb.</td>
</tr>
<tr>
<td><strong>Remarks</strong></td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td><strong>Corroded with 7 bags of cement</strong></td>
<td></td>
</tr>
</tbody>
</table>
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### Description of Material Drilled

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td></td>
<td>14</td>
<td>Sand</td>
</tr>
<tr>
<td>14</td>
<td></td>
<td>216</td>
<td>Sand</td>
</tr>
<tr>
<td>216</td>
<td></td>
<td>250</td>
<td>Shale and sand</td>
</tr>
<tr>
<td>250</td>
<td></td>
<td>320</td>
<td>Shale, sandy silt, and streaks of fine sand.</td>
</tr>
<tr>
<td>320</td>
<td></td>
<td>480</td>
<td>Sand</td>
</tr>
<tr>
<td>480</td>
<td></td>
<td>650</td>
<td>Sand</td>
</tr>
<tr>
<td>650</td>
<td></td>
<td>725</td>
<td>Sand with streaks of sand.</td>
</tr>
<tr>
<td>725</td>
<td></td>
<td>905</td>
<td>Sand with streaks of sand.</td>
</tr>
<tr>
<td>905</td>
<td></td>
<td>1076</td>
<td>Sand</td>
</tr>
<tr>
<td>1076</td>
<td></td>
<td>1178</td>
<td>Shale and sand</td>
</tr>
<tr>
<td>1178</td>
<td></td>
<td>1320</td>
<td>Shale and sand</td>
</tr>
<tr>
<td>1320</td>
<td></td>
<td>1345</td>
<td>Sand and sand</td>
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<tr>
<td>1345</td>
<td></td>
<td>1385</td>
<td>Sand</td>
</tr>
<tr>
<td>1385</td>
<td></td>
<td>1425</td>
<td>Sand and sand</td>
</tr>
<tr>
<td>1425</td>
<td></td>
<td>1478</td>
<td>Sand and sand (cross-40 gallons per minute)</td>
</tr>
</tbody>
</table>

 Filed Dec. 28, 1961 W.N. Log #88
**MONTANA BUREAU OF MINES AND GEOLOGY**

**Butte, Montana**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Anton Barta Jr.</td>
<td>Kolin, Montana</td>
<td>W. McGraw and</td>
<td>Stanford, Montana</td>
</tr>
</tbody>
</table>

**Date Started:** June 3, 1957  
**Date Completed:** June 12, 1957

**Location:** Sec. 13 T. 16 R. 15 1/4 sec. NW of NW

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
<th>Water use</th>
<th>Casing</th>
<th>Perforated or Screened</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Rotary</td>
<td>Domestic</td>
<td>top 560 ft.</td>
<td>945 ft. to 1008 ft.</td>
<td>cemented pipe with 6 sacks of cement to fill break at 411 ft 1/2 inch pipe broken at 35 feet.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Municipal</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Stock</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Irrigation</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Industrial</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Drainage</td>
<td></td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Casing:** 560 ft. to 1,008 ft.  
**Type:** galvanized  
**Size:** 2" in 6"  
**Perforated or Screened:** T. 945 ft. to 1,008 ft.  
**Type of screen or perforations:** Perforated 2" pipe.

**Static Water level:** feet.

**Shut-in pressure, for flowing well:** 110 lb./sq. in. on: June 12, 1957

**Pumping water level:** 153 ft.  
**feet at:** 7 gal. per min.

**How tested:**

**Length of test:**

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

Cemented pipe with 6 sacks of cement to fill break at 411 ft 1/2 inch pipe broken at 35 feet.

(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>975</td>
<td>1040</td>
</tr>
<tr>
<td>1040</td>
<td>1180</td>
</tr>
<tr>
<td>1180</td>
<td>1230</td>
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<tr>
<td>1230</td>
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<td>1534</td>
<td>1536</td>
</tr>
<tr>
<td>1536</td>
<td>1537</td>
</tr>
</tbody>
</table>

Well was already drilled to 975 at the date of commencement of drilling noted on this log.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Carl Yoth, of Kolin
   (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 use

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      Approximately 12 years; continuously since this date.

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

   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:
      Does not apply

   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:
      Approximately 1942; completed and used same year, and in continuous use.

   8. The depth of water table:
      Not known

   9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
      20 ft. deep; five ft. across; well has electric pump.

   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:
       Does not apply

   Signature of Owner
   Date December 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.
Carl Voth
Sec. 15-16-15
State of Montana
County of Judith Basin
Filed this 51st day of
December 1, 2015 at 3:59
o'clock p.m.

Dorothy Parker
County Clerk.

Fee $2.00 paid.
<table>
<thead>
<tr>
<th>Form No. 13</th>
<th>T.: 16 R.: 15E</th>
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<tbody>
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</table>

**MONTANA BUREAU OF MINES AND GEOLOGY**

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Butte, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Stanford, Montana</td>
</tr>
</tbody>
</table>

**Date Started**: May 16, 1967

**Location**: Sec. 15 T. 16 R. 15 

**Type of well**: Domestic

**Equipment used**: Rotary

**Water use**: Domestic

**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: May 16, 1967

**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)

**Cased with 2" Rebar, five screens in with 5 packs cement**
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
<td></td>
<td>Overburden</td>
</tr>
<tr>
<td>10</td>
<td>65</td>
<td></td>
<td>Clay shale</td>
</tr>
<tr>
<td>65</td>
<td>92</td>
<td>92</td>
<td>Sand blue shale</td>
</tr>
<tr>
<td>92</td>
<td>210</td>
<td>92</td>
<td>Clay shale with thin layers of sandstone</td>
</tr>
<tr>
<td>210</td>
<td>580</td>
<td>210</td>
<td>Gray shale with thin streaks of sandstone</td>
</tr>
<tr>
<td>580</td>
<td>610</td>
<td>580</td>
<td>Red clay sandstone with thin layers of sandstone</td>
</tr>
<tr>
<td>610</td>
<td>810</td>
<td>610</td>
<td>Gray blue shale with layers of sandstone and siltite</td>
</tr>
<tr>
<td>810</td>
<td>985</td>
<td>810</td>
<td>Gray shale</td>
</tr>
<tr>
<td>985</td>
<td>1310</td>
<td>810</td>
<td>Gray blue shale</td>
</tr>
<tr>
<td>1310</td>
<td>1320</td>
<td>985</td>
<td>Green sandstone with layers of gray shale</td>
</tr>
<tr>
<td>1320</td>
<td>1330</td>
<td>1310</td>
<td>Red sand</td>
</tr>
<tr>
<td>1330</td>
<td>1490</td>
<td>1320</td>
<td>Red sand with layers of sandstone</td>
</tr>
<tr>
<td>1490</td>
<td>1501</td>
<td>1330</td>
<td>Soft sandy sandstone producing 12.15% P. O.</td>
</tr>
<tr>
<td>1501</td>
<td>1510</td>
<td>1490</td>
<td>Hard sandstones</td>
</tr>
<tr>
<td>1510</td>
<td>1525</td>
<td>1501</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. Paul Knox, of Kolin
   (Name of Appropriator) (Address) (Town)
   County of Perma, State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: *July, 1961 - continuous since that time*

4. The amount of groundwater claimed (in miner's inches or gallons per minute): *1 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: *pump*

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: *July 2, started and completed*

8. The depth of water table: *6 feet*

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: *gasoline motorized 3 H. P. pump*

10. The estimated amount of groundwater withdrawn each year: *518,400 gallons*

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: *None*

Signature of Owner: *Paul Knox*
Date: *December 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 Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
#322

UNITED GROUNDWATER RIGHTS

PAUL KNOX

NW SE SE 23-16-15

122042

State of Montana
County of Judith Basin
Filed for record this 15th day
of Dec. A.D. 1963 at 8:15 o'clock
P.M.

Delight Leslie, Clk. & Rec.

by Betty Ann [Signature]

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

<table>
<thead>
<tr>
<th>Section</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec. 23, T. 16, R. 15</td>
<td>Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.</td>
</tr>
</tbody>
</table>

1. **Frank Vavrovsky**, of Box 78, Kolin
   - **Address**: 
   - **Town**: 
   - **County**: Judith Basin
   - **State**: Montana
   - have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 
   - approximately 40 years, and in continuous use since

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 
   - not known

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: 
   - does not apply

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: 
   - Located NE 1/4 Sec. 23, T. 16, R. 15, Judith Basin County, Montana

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 
   - in use at least 40 years

8. The depth of water table: 
   - not known

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 
   - 13 feet deep; approximately 1/2 foot wide

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: 
    - does not apply

**Signature of Owner**: 

**Date**: December 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

Frank Farrovsky

cc. 23-16-15

State of Montana
County of Judith Basin

Filed this 31st day of December A. D. 1965 at 2:57 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 Without Well  
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater  

Owner: [Name]  
Address: [Address]

Owner (if any)  
Address of Contractor  
Date Started: [Date]  
Date Completed: [Date]

Contractor (if any)  
Address of Contractor  
Date Started: [Date]  
Date Completed: [Date]

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

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

All the water in the spring developed  
flowing through 3/4 inch nipple at the rate of  
five gallons to the minute.

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

Signature of Owner: [Signature]  
Date: [Date]

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
#591

NABEL ZWESKE
NE-SW: Sec. 25-16-15

State of Montana
County of Judith Basin

Filed this 27th day of
December 4, 1963 at
9:30 o'clock A.M.

Debby Zwenke
Co. Clerk

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

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

Karel Zwenke

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, household, and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1948. Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 140 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: 20 acres. Sec. 25, T. 16 N., R. 15 E. Kolin.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: July 1948.

8. The depth of water table: 12 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: Will be set later in winter.

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

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

Date: December 29, 1963.

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
No 399
MABEL AHERNE
NE 1/4 Sec. 25-16-15

State of Montana
County of Judith Basin
Filed this 27th day of
December A. D. 1963
at 9:40 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. Mabel Swenke, of Kolin
   (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, household and irrigation

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

   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
      YARD AND GARDEN
      MINE LIT. Sec. 24, T 16 N, R 15 W.
      Mabel Swenke

   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
      10 ft.

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

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

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

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

   Signature of Owner

   Date December 24, 1963

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

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

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

3266
State of Montana
County of Judith Basin

Filed this 27th day of December A.D. 1965 at 9:45 o'clock A.M.

County Clerk.

Fee $2.00 paid.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1951)

1. Ivan Kynett of Rooda 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 dairy use"

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   "Nov. 1, 1960 - Constant"

4. The amount of groundwater claimed (in cubic feet or gallons per minute):
   "No. 1: 10 gpm; per minute"
   "No. 2: 3 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:
   "No. 1: Garden and lawn around house of Ivan Kynett"

6. The means of withdrawing such water from the ground, and the location of each well or other means of withdrawal:
   "No. 1 and No. 2: Electric pump and pipe"
   "No. 2 and No. 3: Gravity flow from pipe"

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   "No. 1: 1960"
   "No. 2: 1962"
   "No. 3: 1960"

8. The depth of water table:
   "No. 1 and No. 3: 10 ft. No. 2: 6 ft. No. 4: 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:
   "No. 1 and No. 2: Electric pump and 1" inch pipe"
   "No. 2: gravity flow from 1" inch pipe"
   "No. 3: gravity flow from 1" inch pipe"

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

11. The log of formations encountered in the drilling of each well if available:
    "no record kept"

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 record known"

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 Appropoiator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
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<tr>
<td>14</td>
<td>Seiler Ranch Co.</td>
<td>EW-3</td>
<td>12192</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>Dye, Kenneth C.</td>
<td>EW-4</td>
<td></td>
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<td>16</td>
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<td>622</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1960
Owner: Skelton Ranch Co., Address: Stanford
Contractor (if any): Fred Tonderian
Address of Contractor: Lewistown, Montana
Date Started: 1960 Date Completed: 1960

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

9 ft. Galvanized Culvert installed in Spring and is flowing Spring.

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

Flows about 60 gallons per minute.

Signature of Owner: Skelton Ranch Company
President.
Date: Dec. 10th, 1965.

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

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

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

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

Filed for record this 10th day of Dec. 1950 at 11:10 a'clock
pm

Delight Leslie, Clerk and Q.c.

[Signature]

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. Kenneth C. Dye, of , has appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

   Spring, Stock Water

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

   June 15, 1930, thru Oct. 15, 1964, every year since

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

   100 Miner's Inches

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

   No

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

   1 f 1/4 inch pipe Natural flow

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

   Spring, Reconstructed June 26, 1964 to June 30, 1964

8. The depth of water table:

   Spring

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

   Spring, 1 f 1/4 inch pipe, Out of hill, Run into tank

10. The estimated amount of groundwater withdrawn each year:

    3020 gallons

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

    No Log for Spring

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: Kenneth C. Dye
    Date: 11/12/5

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.
Statue of Liberty is

At 5:00 p.m. on the 11th of July

Dated at Boston, July 30th,

By

[Signature]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

1. The beneficial use on which the claim is based. Water (Spring)

2. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1930 ____________

3. The amount of groundwater claimed (in miner’s inches or gallons per minute): 100 MIPs – 8 INCHES

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. 1/2 inch pipe deep well

6. The estimated amount of groundwater withdrawn each year: 3,000 gallons

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Reconstructed: June 10, 1963 – June 20, 1963

8. The depth of water table: Below ground

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

10. The log of formations encountered in the drilling of each well if available. No log for.

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: Dec. 31, 1963

This form is 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. 626

Kenneth G. Rye
Sec. 15-15-25
State of Montana
County of Judith Basin
Filed for record this
31st day of Dec. A. D. 1963
at 4:09 P. M.

[Handwritten signature]
County Clerk

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

1. Kenneth C. Lee
   (Name of Appropriator)
   of
   (Address)
   (Town)
   State of Montana
   County 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: Stock Water

3. Date or approximate date of earliest beneficial use: June 13, 1930
   Every Year since

4. The amount of groundwater claimed (in inches or gallons per minute): 100 inches

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

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: 3000 gallons

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

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

Signature of Owner:

Date: June 10, 1960

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.

4005
...
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Kenneth G. Dye
   (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 (Spring)

3. Date or approximate date of earliest beneficial use: and how continuous the use has been:
   1930
   June 15 thru Oct. 15, every year since

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

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

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

7. The date of commencement and completion of the construction of the well or other works for withdrawal of groundwater:
   Reconstructed June 10, 1963, June 20, 1963

8. The depth of water table:
   Back in Hill
   Spring

9. So far as it may be available, the type, size and depth of each well or other means of withdrawal of groundwater:
   Spring, 1 1/4 Inch pipe, Out of Hill

10. The estimated amount of groundwater withdrawn each year:
    3000 Gallons

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any copy or 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; Triplette to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.