J. R. Hedrick
NE SR. Sec. 8-16-13

State of Montana
County of Judith Basin

Filed this 31st day of
December A. D. 1965 at 2:05
P.M.

County Clerk.

Fee $20.00 Paid
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Appropriator) of
(Address) (Town)

County of State of
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1961, as follows:

1. 

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 average 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

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 The estimated amount of groundwater withdrawn each year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.
J. R. HEDRICK
STATE. Ref Sec. 9-16-13

State of Montana
County of Judith

Filed this 31st day of December A.D. 1965 at 2:10 A.M.

County Clerk.
File No. T. 16 R. 13

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 1961
Owner Bert L. Hedrick Address Stanford, Montana
Contractor (If any) 
Address of Contractor 
Date Started Date Completed

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes" Include depth to water when applicable. Water flows from spring by pipes and is pumped into a house by means of an electric pump. This water is also used for stock water.

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

Spring flows approximately gallons of water per minute,

Spring in continuous use

Signature of Owner 
Date Jan. 11th, 1962

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
Doc. No. 116747

NOTICE OF COMPLETION
of groundwater appropriation
without well

SPRING IN MINER Sec. 6-16-13

STATE OF MONTANA
County of Judith Basin

Filed this 11th day of January 1942 at 2:00 o'clock P.M.

[Signature]
County Clerk

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

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

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

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.
J. B. HEDRICK

W.F./M.S. Sec. 9-16-25

State of Montana
County of Judith Basin

Filed this 31st day of
December A. D. 1965 at 2:15
P.M.

[Signature]
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 337 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: 
Coffin Creek, Box 57
Date well started: Sept. 1971
completed: Dec. 1972

Type of well: Drilled
(Dug, driven, bored or drilled)

Equipment used: 

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

*Describe _______________________________

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>State of</th>
<th>Size of</th>
<th>Kind of</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Well Hole</td>
<td>Diameter</td>
<td>Nipple</td>
<td>(Feet)</td>
<td>(Feet)</td>
</tr>
<tr>
<td>3 1/8&quot;</td>
<td>2½&quot;</td>
<td>galvanized</td>
<td>0</td>
<td>1275</td>
</tr>
</tbody>
</table>

Pumping water level __________ ft.
Static water level __________ ft.

Pumping water level __________ ft.
Static water level __________ ft.

Power: Pump: __________ HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: __________________________
Driller's Address: Box 328

LICENSE NO: 86
WELL APPROPRIATION

N.E. 1/4 Sec. 11,
Twp 16, R 15

STATE OF MONTANA
County of Judith Basin

Filed for record this 27th day of June A.D. 1975 at 3:00 p.m.

Delight Leslie Co.Clk

[Signature]

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

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

1. William L. Dickson, of Stanford, 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: Nov. 3, 1961

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner 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: 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: William L. Dickson
Date: Jan. 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 School of Mines and quadruplicate for the Appropriator.
V. O. Rights
Wm. L. Dickson

WITNESS Sec. 11-16-13
120687

State of Montana
County of Judith Basin

Filed for record this 18th
day of Jan., 1963 at 2:00 o'clock
P.M.
Delight Luslie, Clk. & Rec.

by [Signature]

Fee $2.00
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana  

WATER WELL LOG  

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Address</td>
<td></td>
<td></td>
</tr>
<tr>
<td>C. G. Thatcher</td>
<td>Stanford, Montana</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Water use</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Industrial)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>(Drainage)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>0 ft. to 195 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<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>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>175 ft. to 195 ft.</th>
<th>Type of screen or perforations</th>
</tr>
</thead>
</table>

| Static Water level, for non-flowing well: | 50 feet |
| Shut-in pressure, for flowing well: | 50 lb. sq. in. on: February, 1952 |
| Pumping water level: | 50 feet at | gal. per min. |
| How tested: | |
| Length of test: | |

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

Flowing well

(over)
<table>
<thead>
<tr>
<th>Owner</th>
<th>Oscar T. Anderson and Oscar T. Anderson, Jr.</th>
<th>Address</th>
<th>Stanford, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>O. C. Thatcher</td>
<td>Address</td>
<td>Stanford</td>
</tr>
<tr>
<td>Date Started</td>
<td>Dec. 1953</td>
<td>Date Completed</td>
<td>June, 1954</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 16, T. 16, R. 23, 1/4 sec. NM, 154</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type of well Drilled:**

- Churn drill, rotary, other

**Equipment used:**

- Power Rotary

**Water use:**

- Domestic [ ]
- Municipal [ ]
- Stock [ ]
- Irrigation [ ]
- Industrial [ ]
- Drainage [ ]
- Other: [ ]

**Casing:**

- 0 ft. to 130 ft. Type: Galvanized Size: 2 inches

**Perforated or Screened:**

- 128 ft. to 130 ft. Type: perforated casing

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

- feet

**Shut-In pressure, for flowing well:**

- 100 lb./sq. in. on: June, 1954

**Pumping water level:**

- feet at gal. per min.

**Remarks:**

- Gravel packing, cementing, packers, type of shut-off, depth of shut-off

- Shut-off on the outside of well

- and also by faucets in house.

(over)
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Robert Hungate
Address: Stanford, Mont.

Driller: T & M Drilling Co.
Address: Stanford, Mont.

Notice of Appropriation of Groundwater (Elev. above sea level.)
0 to 4 Top soil & clay
4 to 16 Grey shale layers bent.
16 to 103 Sandstone bent layers
108 to 112 Sandstone
112 to 146 Blue shale
146 to 163 Blue shale sandy layers
163 to 172 Sandstone
172 to 187 Sandy blue shale
187 to 222 Blue shale
222 to 390 Blue shale thence well started June 12, 62.
Date Completed: June 25, 62

Equipment Used: Rotary

Static Water Level for non-flowing Well feet.

Pumping Water Level at 3/4 gal. per minute.

Discharge in gal. per min. of flowing well 3/4

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. "Packer set...at 63 ft. and cemented with mixture of cement and water."

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 School of Mines and Quadruplicate for the Appropiator.
Robert Hungeate
NESE SEc. 15-16-13

120602

State of Montana
County of Judith Basin
Filed for record this 28th
day of Dec. A.D. 1962 at 1:00
P.M.
Delight Leslie, Clk. & Rec.

by Betty Malm

Fee $2.00 pd.
## WATER WELL LOG

**Owner:** Charles Nelson  
**Address:** Stanford,  
**Driller:** O. C. Thatcher  
**Address:** Stanford,  
**Date Started:** Nov. 26, 1957  
**Date Completed:** Nov. 26, 1957  
**Location:** Sec. 16, T. 16, R. 13  
**County:** Judith Basin

<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>Stock</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- Casing: 0 ft. to 63 ft.  
  Type: Galvanized  
  Size: 2" pipe

- Casing: 63 ft. to ft.  
  Type:  
  Size:

- Perforated or Screened:  
  Ft. to 63 ft.  
  Ft. to ft.

- Type of screen or perforations: Drilled 2" galvanized pipe

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

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

- How tested: gauge and measure

- Length of test: 24 hours

**Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
- Cemented with 1 sack of cement at 42 ft. level
- Water came in at 50-55 ft.
- Gate Valve 6 ft., for shut-off.

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From: 0</td>
<td>To: 2</td>
</tr>
<tr>
<td>2</td>
<td>Overburden.</td>
</tr>
<tr>
<td>2</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>35</td>
</tr>
<tr>
<td>35</td>
<td>50</td>
</tr>
<tr>
<td>50</td>
<td>55</td>
</tr>
<tr>
<td>55</td>
<td>63</td>
</tr>
<tr>
<td>55</td>
<td>Sandy shale.</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Well #</th>
<th>T. 16</th>
<th>R. 13</th>
<th>County</th>
<th>Judith Basin</th>
</tr>
</thead>
</table>

**MONTANA BUREAU OF MINES AND GEOLOGY**

**Butte, Montana**

**Owner**: Charles Nelson    **Address**: Stanford

**Driller**: O. C. Thatcher   **Address**: Stanford

**Date Started**: Nov. 24, 1977    **Date Completed**: Nov. 26, 1977

**Location**: Sec. 15, T. 13, R. 13, W. sec. 15

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

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

**Casing**:  
0 ft. to 115 ft.  
Type: Galvanized  
Size: 2" pipe

**Perforated or Screened**:  
70 ft. to 90 ft.  
Ft. to Ft.

**Type of screen or perforations**: Drilled 2" galvanized pipe

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

**Shut-in pressure, for flowing well**:  
lb./sq. in on: Dec. 10, 1977  
(date)

**Flowing**:  

**Dropped water level at surface**: feet at .2 gal. per min.

**How tested**: gauge and measure

**Length of test**: 24 hours

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

- Cemented 1 foot of casing at 15 ft. level
- Water came in at 70--90 feet.
- Gate Valve 6 ft. below surface. (Shut-off)

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>2 overburden.</td>
</tr>
<tr>
<td>2</td>
<td>10 Bentonite and blue shale.</td>
</tr>
<tr>
<td>10</td>
<td>20 Blue shale.</td>
</tr>
<tr>
<td>20</td>
<td>22 Sandstone.</td>
</tr>
<tr>
<td>22</td>
<td>65 Blue shale and a sandy shale.</td>
</tr>
<tr>
<td>65</td>
<td>70 Blue shale and sandstone.</td>
</tr>
<tr>
<td>70</td>
<td>80 Salt.</td>
</tr>
<tr>
<td>80</td>
<td>105 Blue marl and salt.</td>
</tr>
<tr>
<td>90</td>
<td>115 Shale.</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Charles Nelson
Address: 3300 S. 10th Ave., Helena, Montana

Driller: Duane Nelson
Address: Box 865, Helena, Montana

Date of Notice of Appropriation of Groundwater: June 16, 1965
Date well started: June 16, 1965
Date completed: June 16, 1965

Type of well: Piled
Equipment Used: (Churn, 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 Defined Hole</th>
<th>Size and Weight of Core</th>
<th>Form</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4&quot; core</td>
<td>0</td>
<td>0</td>
<td>a m/2</td>
<td>77'</td>
</tr>
<tr>
<td>4&quot; steel</td>
<td>0</td>
<td>0</td>
<td>m/2</td>
<td>65</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 15 feet.
Shut-in Pressure for Flowing Well: 15 psi.
Pumping Water Level: 15 feet at 29 gpm.
Discharge in gal. per min. of flowing well: 29 gpm.
How Tested: Length of Test: 29 gpm.

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

Remarks: (Packers used at 40'... Cemented with 5%)

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.
FILE: 24463

24463

16-1

4-14

12-12-27

121527

INDEXED

Said petition
Signed and verified by
Filed for record this
16th day of June 1967
at 1:10 o'clock

Holt Et al., Plk. - Sec.
by

11:00 a.m.
### WATER WELL LOG

**Owner**: Charles Nelson  
**Address**: Stanford, Montana  
**Driller**: O. C. Thatcher  
**Address**: Stanford, Montana  
**Date Started**: Nov. 29, 1957  
**Date Completed**: Dec. 1, 1957  
**Location**: Sec. 16  
**T. 16**  
**R 13**  
**1/4 sec. SW\(\frac{1}{4}\)**

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

**Water use**: Stock  
**Casing**:  
- **0 ft. to 30 ft.** Galvanized  
- **Size**: 2" pipe

**Casing**:  
- **Duration and size**

**Perforated or Screened**: Drilled  
**Type of screen or perforations**: Galvanized pipe

**Static Water level, for non-flowing well**:  
**Shut-in pressure, for flowing well**: 2 lb./sq. in. on Dec. 20, 1957

**Flowing water level at surface**:  
**Height**: feet  
**gal. per min.**

**How tested**: gauge and measure

**Length of test**: 24 hours

**Remarks**:  
- Cemented with 1½ sacks of cement at 40 ft level  
- Water came in at 72-30 feet  
- Shut-off gate valve at 6 ft. level  

(over)
<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>2 Overburden.</td>
</tr>
<tr>
<td>2</td>
<td>10 Bentonite and blue shale.</td>
</tr>
<tr>
<td>10</td>
<td>40 Blue Shale</td>
</tr>
<tr>
<td>40</td>
<td>42 Sandstone.</td>
</tr>
<tr>
<td>42</td>
<td>54 Blue Shale.</td>
</tr>
<tr>
<td>54</td>
<td>55 Sandstone.</td>
</tr>
<tr>
<td>55</td>
<td>72 Blue shale.</td>
</tr>
<tr>
<td>72</td>
<td>80 Sandstone.</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)

STATE ENGINEER

A. Zeland, of 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:

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: 1950 continuous.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): approximately 100 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: 1950.

8. The depth of water table: 10 feet.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 75 feet deep or well, Pump well 8 inch.

10. The estimated amount of groundwater withdrawn each year: four 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. Zeland
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. A. D. 1963 at
9:10 o'clock A.M.
Delight Leslie, Clk. & Rec.

by Betty Grunewald, Dep.
# Water Well Log

**Owner:** William Nelson  
**Address:** Winham, Montana

**Driller:** Atchison, Dr.  
**Address:** Stanford, Montana

**Date Started:** Sept. 26, 1956  
**Date Completed:** Sep. 30, 1956

**Location:** Sec. 19, T. 16, R. 13 1/4 sec. NE 1/4

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled (drill, drive, drill, or drilled)</th>
<th>Equipment used (Rotary, churn, drill, rotary, other)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic [ ]</td>
<td>Municipal [ ]</td>
</tr>
<tr>
<td></td>
<td>Industrial [ ]</td>
<td>Drainage [ ]</td>
</tr>
<tr>
<td>Casing:</td>
<td>Galvanized ft. to 775 ft.</td>
<td>Type: [ ]</td>
</tr>
<tr>
<td></td>
<td>Casing: ft. to ft.</td>
<td>Type: [ ]</td>
</tr>
<tr>
<td></td>
<td>Casing: ft. to ft.</td>
<td>Type: [ ]</td>
</tr>
<tr>
<td>Perforated or Screened: Ft. to Ft.</td>
<td>Ft. to Ft.</td>
<td>Ft. to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>10 feet</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well: lb./sq. in.:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(date)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level: 100 feet at 12 gal. per min.:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off):</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **72 1/2 ft. Standard Galvanized well casing**
- **5 ft. Solid cement** Drilled out to full 21 ft. in hole
- to end of casing and drilled out cement.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 21½</td>
<td>Overburden</td>
</tr>
<tr>
<td>21¼ - 69</td>
<td>Alternating layers of Buff colored shale and with layers of</td>
</tr>
<tr>
<td></td>
<td>Bentonite. Water layers at 30-13 and 48-51</td>
</tr>
<tr>
<td>69 - 70</td>
<td>Hard Blue sandy shale.</td>
</tr>
<tr>
<td>70 - 95</td>
<td>Hard Blue sandy shale.</td>
</tr>
<tr>
<td>96 - 104</td>
<td>Hard Blue sandy shale.</td>
</tr>
<tr>
<td>104 - 107</td>
<td>Sandstone.</td>
</tr>
<tr>
<td>107 - 110</td>
<td>Soft blue shale.</td>
</tr>
<tr>
<td>110 - 125</td>
<td>Sandstone, hard and flaky.</td>
</tr>
<tr>
<td>125 - 132</td>
<td>Hard black sandstone.</td>
</tr>
<tr>
<td>132 - 164</td>
<td>Layers of sand and shale and bentonite.</td>
</tr>
<tr>
<td>164 - 173½</td>
<td>Bentonite.</td>
</tr>
<tr>
<td>173½ - 255</td>
<td>Sandstone and hard sandy shale, some soft shale.</td>
</tr>
<tr>
<td>255 - 259</td>
<td>Soft and hard blue sandy shale.</td>
</tr>
<tr>
<td>259 - 270</td>
<td>Alternating layers of hard sandstone and a soft bentonite type blue</td>
</tr>
<tr>
<td></td>
<td>shale</td>
</tr>
<tr>
<td>270 - 288</td>
<td>Medium hard blue sandy shale.</td>
</tr>
<tr>
<td>288 - 303</td>
<td>Blue shale.</td>
</tr>
<tr>
<td>303 - 308</td>
<td>Alternating layers of sandstone and shale.</td>
</tr>
<tr>
<td>308 - 328</td>
<td>Sandy shale.</td>
</tr>
<tr>
<td>328 - 409</td>
<td>Layers of sandstone and shale.</td>
</tr>
<tr>
<td>409 - 415</td>
<td>Sandstone</td>
</tr>
<tr>
<td>415 - 422</td>
<td>Sandstone</td>
</tr>
<tr>
<td>422 - 445</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>445 - 455</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY  
Butte, Montana  
WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>William Nelson</th>
<th>Address</th>
<th>Windham, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td></td>
<td>Address</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td>1910</td>
<td>Date Completed</td>
<td>1910</td>
</tr>
</tbody>
</table>
| Location    | Sec 19 T 16 R 13 1/2 sec NW  
|             |                |                |                  |

Type of well: Dug, driven, bored, or drilled) (Churn drill, rotary, other)  
Equipment used: Pick and shovel, (choo choo, rotary, other)

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

Casing: ft. to ft.  
- Type: Wooden  
- Size: 6 x 6 x 6

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: 3 ft. feet.

Shut-in pressure, for flowing well: lb./sq. ft.  
- Will pump at least 100 Gal. Per hr. (date)  
- Pumping water level... feet at... feet at... gal. per min.
- How tested:  
- Length of test:  

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)  
- Pump well  
- Depth: 33 feet  
- (over)
<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>Overburden to Eight ft. level</td>
<td></td>
</tr>
<tr>
<td>Soft sandstone</td>
<td></td>
</tr>
<tr>
<td>Water mostly in sandstone but does rise to 3 to 4 ft. level with ground.</td>
<td></td>
</tr>
</tbody>
</table>
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)

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.

Edith M.

Owner

Address

Date well started

Date well completed

Type of well

Equipment used

Water Use: Domestic [] Municipal [] Stock [] Irrigation []

Industrial [] Drainage [] Other [] Garden/Lawn []

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

Estimated Annual Withdrawal

<table>
<thead>
<tr>
<th>Size of Well</th>
<th>Size and Depth of Casing</th>
<th>From</th>
<th>To</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>3½</td>
<td>2½</td>
<td>0</td>
<td>70'</td>
<td>125'</td>
<td>125'</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Kind</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water level ft.</td>
<td>70'</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Static water level</th>
<th>ft.</th>
</tr>
</thead>
</table>

Show exact depth of bottom

Owner'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.
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

Special Instructions:

Please provide the county filing information for the attached form.

Thank you.

We do not have the original of this application on file in our office.

Driller's Signature

Driller's Address

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

LICENSE NO.
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.

Driller's Name
Owner
Address
Date well started
Type of well
Equipment used
Water Use
Describe
USE: If used for irrigation, industrial, drainage or other, explain. State number of acres and location or other data (i.e. Lot, Block and Addition)

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>State of Drilling</th>
<th>Size and Depth of casing</th>
<th>From (ft)</th>
<th>To (ft)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 7/8</td>
<td>3 5/8</td>
<td>0</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

Static water level ft. + Pumping water level ft. +
Wells must be tested at 4 gallons per minute measured minutes after pumping began.
*Measured from ground level.
Well developed by
for hours.
Power HP
Remarks: (Gravel packing, cementing, packers, type of shut off)

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

Driller's Signature
Driller's Address

LICENSE NO. 50,967
Doc. No. 
Filed for record
this____day of,
A. D. 19____at____
o'clock____M.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator: 
   Address: 
   Town: 
   County: 
   State: 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: 
   For raising of stock.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: January 1, 1957 and used since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 
   About 900 gallons per day used during summer months.

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: 
   Pump and engine used to withdraw water. Well located SW 1/4 Sec. 19 T.16 R.13.

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

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: 
   27 foot dug well. Not assisted.

10. The estimated amount of groundwater withdrawn each year: 
    About 90,000 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: November 20, 1961

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

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

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

Ruth Heale

121872

State of Montana
County of Judith Basin
Filed for record this 27th
Day of Nov., 2d, 1965 at 1:30
o'clock P.M.

Delight Leslie, Clerk and R.G.

By:

Dep.

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

(Developed After January 1, 1962)

(Under Chapter 237, Montana Session Laws, 1961)

---

**Owner:** Jack Reagan  
**Address:** Winham, Montana

**Driller:** George S. Singleton  
**Address:** Lewistown, Montana

Date of Notice of appropriation of groundwater: **None**

Date well started: **Dec. 12, 1966**  
Date completed: **Dec. 28, 1966**

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

**Water use:** Domestic  
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>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Feet From (Feet)</th>
<th>To (Feet)</th>
<th>PERFUSIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7-7/8</td>
<td></td>
<td>0</td>
<td>21</td>
<td>400</td>
</tr>
<tr>
<td>4-7/8</td>
<td></td>
<td>21</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>3-7/8</td>
<td></td>
<td>240</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>6-5/8ID</td>
<td></td>
<td>21</td>
<td>400</td>
<td>400</td>
</tr>
<tr>
<td>2&quot; Galv. above</td>
<td></td>
<td>400</td>
<td>350</td>
<td>350</td>
</tr>
<tr>
<td>ground</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Static Water Level** for non-flowing well  
**None** feet.

**Shut-In Pressure for Flowing Well**  
**30** feet at **None** gal. per minute.

**Pumping Water Level**  
**None** feet.

**Discharge in gal. per min. of flowing well**  
**35**

**How Tested:** Measured  
**Length of Test:** 10 minutes

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

---

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

---

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
State of Montana  
County of Judith Basin  
Filed for record this 5th  
day of Jan. 4th, 1967 at 1:30 o'clock  
A.M.  
Delight Leslie, Ck. & Rcc.  
by (Signature of Recorder)
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
Stanford

1. William Berson for Frank Kerr
   (Name of Appropriator) of (Address) (Town)
   County of Judith Basin State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been
      Approximately 1950
      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 None

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

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

   8. The depth of water table
      Not known

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater
      Depth of well 11 ft. - dug well and
      Fitted with a submersible 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
      No Log.

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

   Signature of Owner William Berson
   Date Nov. 19th, 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. 7664

SE NE1 Sec. 20
Twp. 16, Rgn. 15 E.

State of Montana
County of Judith Basin
Filed this 19th day of
November, A.D. 1963 at
5:30 o'clock P.M.

[Signature]
County Clerk.

Fee $2.00 Paid.
Owner: Oscar T. Anderson  
Address: Stanford, Montana

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

Date Started: March 1, 1952  
Date Completed: March 15, 1952

Location: Sec. 23  
T. 16  
R. 13

Type of well: Drilled

Equipment used: Rotary

Water use: Domestic  
Municipal  
Stock  
Irrigation

Casing: 0 ft. to 205 ft.  
Type: Galvanized  
Size: 2 inches

Casing: 205 ft. to 205 ft.  
Type:  
Size:

Perforated or Screened: 0 ft. to 205 ft.  
Type:  
Size:

Type of screen or perforations: Perforated casing

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

Shut-in pressure, for flowing well: 50 lb./sq. in. on: March 15, 1952

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)

Flowing well

(over)
File No. T/6 R/12

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Axel P. Williamson</td>
<td>Stanford</td>
<td></td>
</tr>
</tbody>
</table>

County of Judith Basin, State of Montana

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

1. Name of Appropriator: Axel P. Williamson
2. Address: Stanford
3. Town: Judith Basin

2. The beneficial use on which the claim is based: for the home, irrigating, and stock water

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

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

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

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

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

8. The depth of water table:

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: Axel P. Williamson
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.
State of Montana
County of Judith Basin

Filed this 31st day of December A. D. 1963 at 2:50 o'clock P.M.

[Signature]
County Clerk.

Fee $2.00 paid.
1. Earl M. and Lois M. Dubois, of Stanford, Stanford, Judith Basin County, 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, From 1946 and is in continuous use, (1946).

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater, Started in 1946 and completed that year, drilled by J. C. Datcher.

8. The depth of water table, flows over the top.

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 420 ft. in depth, cased with 2" casing, shut-off 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. 23rd, 1963.
File No. 340

SW SE Sec. 27-16-13

CARL N. AND LOIS N. JUBOIS

12:20:75

State of Montana
County of Judith Basin

Filed this 23rd day of
December A.D. 1963 at 9:30
o'clock A.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: Oct 15, 1971
Owner: W. H. Clark
Address: Rt 3, Steffed
Contractor (if any): Russell Streetway
Address of Contractor: Rt 3, Steffed
Date Started: Oct 1, 1971
Date Completed: Oct 15, 1971

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

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

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.

Signature of Owner: W. H. Clark
Date: Dec 17, 1971

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 this 12th day of  
November A.D. 1971 at 3:30  
P.M.  
/  
County Clerk.
Form No. 18
8-60

T. 16  R. 13

County  Judith Basin

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>feet</th>
<th>0</th>
<th>110</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>Plastic</td>
<td>Plastic</td>
</tr>
<tr>
<td>Size</td>
<td>6&quot;</td>
<td>4&quot;</td>
</tr>
</tbody>
</table>

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

Perforated or Screened: Ft. 60 to Ft. 110. Ft. 0 to Ft. 0.
Type of screen or perforations: We will not detail it.

Static Water level, for non-flowing well: 110 feet.
Shut-in pressure, for flowing well: 0 lb./sq. in. on:

Pumping water level feet at gal. per min.

How tested: We will not detail it.

Length of test: We will not detail it.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>50</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td></td>
<td>50</td>
<td>168</td>
<td>Blue Clay and Rock</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)

STATE ENGINEER

1. W. E. Stewart
   (Name of Appropriator)
   of
   (Address)

   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 Appropriate.
State of Montana
County of Judith Basin
Filed for record this 31st
day of Dec., A.D. 1963 at 1:00
o'clock p.m.
Delight Leslie, Clerk and R.o.

by ________________________________ Dep.

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

Howard J. and Shirley Heill
(Name of Appropriator) (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 1961 and is used during the summer.

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 5 to 7 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 Pump with electric motor installed

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Started in 1961 and completed that year

8. The depth of water table 3 ft. from top

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 Grubbed with 2 x 6 = 8 ft. in depth

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 logs

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 Howard J. Heill
Date Dec. 10th, 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.
H. J. NEILL
NE: Sec. 29-16-13

121947

State of Montana
County of Judith Basin

Filed this 10th day of December A.D. 1963 at 11:05 A.M.

County Clerk.
Form No. 18
8-60

T. 16  R. 13
County Judith Basin

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>Edward J. Mill</td>
<td>Wilsden, Montana</td>
</tr>
</tbody>
</table>

Driller        Babon Voegtle  Address Casper, Wyoming

Date Started  8/3/61  Date Completed  8/1/61

Location: Sec. 30 T. 16 R. 13 1/4 sec. SE SE

Type of well Drilled  Equipment used Rotary
(Dug, driven, bored, or drilled) (Cement, drill, rotary, other)

Water use: Domestic ☑  Municipal ☐  Stock ☐  Irrigation ☐
Industrial ☐  Drainage ☐  Other ☐

Casing: 0 ft. to 120 ft. Type Plastic Size 4"

Casing:_______ ft. to _______ ft. Type_______ Size_______

Casing:_______ ft. to _______ ft. Type_______ Size_______

Perforated or Screened: Ft. 30 to Ft. 120. Ft._______ to Ft._______

Type of screen or perforations

Static Water level, for non-flowing well: 30 feet.

Shut-in pressure, for flowing well: ______ lb./sq. in. on: ______ (site)

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)

(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0-30</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>30-120</td>
<td>Blue Clay and Rock</td>
</tr>
</tbody>
</table>
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Bert Horn</th>
<th>Address</th>
<th>Windham, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Robert Vezdel</td>
<td>Address</td>
<td>Casper, Wyoming</td>
</tr>
<tr>
<td>Date Started</td>
<td>8/7/61</td>
<td>Date Completed</td>
<td>8/7/61</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 30 T. 16 R. 13 1/2 sec. NE NE</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Type of well:** Drilled  
**Equipment used:** Rigary  
**Water use:** Domestic [ ] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other [ ]

**Casing:**
- 0 ft. to 100 ft. Type Plastic Size 12
- [ ] ft. to [ ] ft. Type [ ] Size [ ]
- [ ] ft. to [ ] ft. Type [ ] Size [ ]

**Perforated or Screened:** Ft. 10 to ft. 100. Ft. [ ] to ft. [ ]

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 20 feet.  
**Shut-in pressure, for flowing well:** [ ] lb./sq. in. on: [ ]

**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)

---

(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>30</td>
</tr>
<tr>
<td>30</td>
<td>100</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)

Howard J. and Shirley Neill
(Name of Appropriator)
of
(Address)
(Town)

County of Judith Basin
State of Montana

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner:

Date: Dec. 5th, 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 School of Mines and quadruplicate for the Appropriator.
No. 276

ELL

HOWARD J. NEILL

SE 38 - SEC. 30 - 16-13

121946

State of Montana
County of Judith Basin

Filed this 10th day of Dec.
A.D. 1963 at 11:00 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)

I. Harold Roseler
   (Name of Appropriator)
   of
   (Address)
   (Town)
   County of Judi	th Basin
   State of Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1982, 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
   March, 1951.
   and used continuously

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
   Flowing well which flows into a pond
   to be used for a reservoir supply, Pond is situated by the well

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Flowing well
   Indicate point of appropriation and place of use, if possible.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   March, 1951.

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
   Ramppus Drilled well—Depth of well 325 feet, 2" pipe installed in well, 17 to 30 lbs. pressure, Shut-off installed above ground

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

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

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

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

HAROLD ROSSNER

STATE OF MONTANA ) ss.
COUNTY OF JUDITH BASIN )

Filed this 20th day of March
A.D. 1962 at 11:00 A.M.

[Signature]
County Clerk.

Fax $2.00Paid.