Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Dec. 22, 1963

Owner: Individual or Company
Address: Rural, Mont.
Contractor (if any)
Address of Contractor
Date Started: July 17; Date Completed: July 17, 1963

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

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: Agnes H. Steinthal
Date: Nov. 29, 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
County of Valley
Filed for record

DEC 27 1963

MARY LOUISE Clerk & Recorder
Valley County
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Alfred M. Diflano
   (Name of Appropositor)
   of Helena, Montana
   (Address)
   (Town)
   (State of Montana)
   (County of Helena)

   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: 4 households

   3. Date or approximate date of earliest beneficial use: Jan. 1, 1947

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

   5. If used for irrigation, give the acreage and description 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: jet pump

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

   8. The depth of water table: 36 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: 48 ft deep, jet pump

   10. The estimated amount of groundwater withdrawn each year: 109,500

   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 available

   Signature of Owner: Alfred M. Diflano
   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 Appropositor.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Alfred N. Daylen
   (Name of Appropiator)
   County of
   State of Montana

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: 1956 continuous

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

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

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

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

8. The depth of water table: 5.4

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: 72 ft. 30 in. with 10 ft. casing

10. The estimated amount of groundwater withdrawn each year: 1,095,000

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: Alfred N. Daylen
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 Quaduplicate for the Appropiator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Alfred W. Biglow, of Richford, Montana

County of Valley
State of Montana

I, Alfred W. Biglow, declare that I have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. The beneficial use on which the claim is based: [Signature]

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: [Signature]

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

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: [Signature]

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: [Signature]

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

7. The depth of water table: [Signature]

8. The log of formations encountered in the drilling of each well if available: [Signature]

9. The estimated amount of groundwater withdrawn each year: [Signature]

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

Signature of Owner: Alfred W. Biglow

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 Approprietor.
Notice of Completion of Groundwater Appropriation by Means of Well
Developed after January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Alfred N. Dyson
Address: Richland

Drilled by: Alfred N. Dyson
Address: Richland

Date of Notice of Appropriation of Groundwater: Feb. 14, 1967

Date well started: Oct. 1, 1965
Date completed: Oct. 1, 1965

Type of well: Dug
Equipment used: Hand Dug

Water use: Domestic  Stock  Irrigation
           Municipal  Industrial  Drainage  Other

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

<table>
<thead>
<tr>
<th>Depth of Drilled Hole</th>
<th>Size and Weight of casing</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>16'</td>
<td>72 lb.</td>
<td>1</td>
<td>60</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well 12 ft. below top.
Shut-in Pressure for flowing well 25 psi. at 10 gal. per minute.
Pumping Water Level at 10 gal. per minute.
Discharge in gal. per min. of flowing well

How Tested: Standards
Length of Test: 2 hours
Remarks: (Gravel packing, cementing, packers, type of shutoff)

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Show exact depth of bottom.

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

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

Driller's License Number: P 1183
Driller's Signature: Alfred N. Dyson
STATE OF MONTANA, County of Valley, Filed for record

MAR 28 1967
2:00 o'clock P.M.

Mary McKeel
County Recorder

Marilyn Edyn
Deputy
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Appropriator</th>
<th>Type</th>
<th>Form</th>
<th>County File #</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Arnold, Ray</td>
<td>FL</td>
<td>11</td>
<td>H24 344</td>
</tr>
<tr>
<td>15</td>
<td>Dartman, Bob</td>
<td>FL</td>
<td>11</td>
<td>H24 348</td>
</tr>
<tr>
<td>17</td>
<td>Mogan, Bros</td>
<td>GW#</td>
<td>GW#</td>
<td>H39 217</td>
</tr>
<tr>
<td>31</td>
<td>Lareck, Sherman R.</td>
<td>GW#</td>
<td>GW#</td>
<td>H39 589</td>
</tr>
<tr>
<td>33</td>
<td>Johnston, Solie J.</td>
<td>GW#</td>
<td>GW#</td>
<td>H39 019</td>
</tr>
</tbody>
</table>
WATER WELL LOG

Owner: Ray World  
Address: Henndale, Butte  
Driller: Ray World  
Address: Bingham, Butte  
Date Started: Apr 5, 1961  
Date Completed: Sept 7, 1961  
Location: Sec 2, T. 34 N, R. 35 E, 4th P. 

Type of well: Drilled  
Equipment used: Artesian  

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

Casing: 0 ft. to 336 ft.  
Type: 8 in.  
Size: 4 1/2 in.

Perforated or Screened: 210 ft. to 336 ft.  
Type of screen or perforations: 3/4 in.

Static Water level, for non-flowing well: 80 feet.

Suction pressure, for flowing well: lb/sq. in. on: (date)

Pumping water level: 147 feet at 5 gal. per min.

How tested: Inert  
Length of test: 5 hours

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

0-15 ft depth surface casing (over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Topsoil</td>
</tr>
<tr>
<td>5</td>
<td>gravel</td>
</tr>
<tr>
<td>9</td>
<td>clay</td>
</tr>
<tr>
<td>48</td>
<td>blue clay</td>
</tr>
<tr>
<td>60</td>
<td>Rock 4&quot;</td>
</tr>
<tr>
<td>14 263</td>
<td>Judith River formation</td>
</tr>
<tr>
<td>233 234</td>
<td>Rock 4&quot;</td>
</tr>
<tr>
<td>234 264</td>
<td>Judith River formation</td>
</tr>
<tr>
<td>264 265</td>
<td>Rock 5&quot;</td>
</tr>
<tr>
<td>265 336</td>
<td>Judith River formation</td>
</tr>
</tbody>
</table>
## WATER WELL LOG

**Owner:** Ray Arnold  
**Address:**  
**Driller:** Ray Mason  
**Address:**  
**Date Started:** Aug 28, 1961  
**Date Completed:** Aug 31, 1961  
**Location:** Sec. 12, T. 34 R. 35 4/4 sec NE 5E

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Undrilled</th>
<th>Equipment used</th>
<th>Rotary</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Casing: 0 ft. to 286 ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

**Perforated or Screened:**  
- FT. 105 to ft. 378  
- 38" [ ]  

**Type of screen or perforations:**
- Gravel packing, cementing, packers, type of shut-off, depth of shut-off

**Static Water level, for non-flowing well:** 63 feet

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

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

**How tested:** PUMPED

**Length of test:** 2 hours

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

(over)
## 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>Bob Carson</td>
<td>123 Main St.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Carl Palmer</td>
<td>456 Elm Ave.</td>
</tr>
</tbody>
</table>

Date Started: 10/13  
Date Completed: 11/6/61

Location: Sec. 15  
Township 24  
Range 35  
4 sec. SE

### Type of Well

- **Drilled**

### Equipment Used

- **Casing**

### Water Use

- Domestic
- Stock
- Irrigation

### Casing

<table>
<thead>
<tr>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft.</td>
<td>ft.</td>
</tr>
</tbody>
</table>

### Type of Well

- Domestic
- Industrial
- Municipal
- Stock
- Irrigation

### Casing

<table>
<thead>
<tr>
<th>Top</th>
<th>Bottom</th>
</tr>
</thead>
<tbody>
<tr>
<td>ft.</td>
<td>ft.</td>
</tr>
</tbody>
</table>

### Water Use

- Domestic
- Industrial
- Municipal
- Stock
- Irrigation

### Static Water Level

- For non-flowing well: __________ feet.

### Shut-in Pressure

- For flowing well: __________ lb./sq. in. on: __________ (date)

### Remarks

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

### How tested

- __________ feet at __________ gal. per min.

### Length of test

- __________

### How tested

- __________

### Remarks

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

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top Soil</td>
</tr>
<tr>
<td>3</td>
<td>Clay</td>
</tr>
<tr>
<td>10</td>
<td>Rock</td>
</tr>
<tr>
<td>140</td>
<td>Rock</td>
</tr>
<tr>
<td>140-150</td>
<td>Sandstone</td>
</tr>
<tr>
<td>150-250</td>
<td>Sandstone</td>
</tr>
<tr>
<td>250</td>
<td>Shale</td>
</tr>
<tr>
<td>250-325</td>
<td>Sandstone</td>
</tr>
<tr>
<td>325</td>
<td>Rock</td>
</tr>
<tr>
<td>325-500</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>

Note: The table continues with more entries beyond the visible portion of the image.
<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>0-3</td>
<td>Top Soil</td>
</tr>
<tr>
<td>3-64</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>64-70</td>
<td>Sandstone</td>
</tr>
<tr>
<td>70-140</td>
<td>Shale</td>
</tr>
<tr>
<td>140-144</td>
<td>Rock H</td>
</tr>
<tr>
<td>144-150</td>
<td>Sandstone + Shale + Dr.</td>
</tr>
<tr>
<td>150-200</td>
<td>Shale</td>
</tr>
<tr>
<td>200-234</td>
<td>Sandstone + Shale + Dr.</td>
</tr>
<tr>
<td>234-274</td>
<td>Rock H</td>
</tr>
<tr>
<td>274-340</td>
<td>Sand, Fresh Water</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. Mogan Brothers
(Name of Appropriator)

County

of Valley

State of Montana

of Hinckley

(Town)

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...
   1. 1940 - continuous
   2. 1915 - continuous

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   1. 10 gallons per minute
   2. 5 gallons per minute

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...
   1. 1940
   2. 1915

8. The depth of the water table...
   1. 15 feet
   2. 45 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...
   1. 17' deep; 24'' casing; 1'' pipe
   2. 50' deep; 18'' casing; 1/2'' pipe

10. The estimated amount of groundwater withdrawn each year...
    1. 300,000 gallons per year
    2. 25,000 gallons per 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: Nov. 31, 1964

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

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

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

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

1. 

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

(SW 1/4 SE 1/2, Sec. 31, T. 24 N, R. 35)

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

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

Livestock Water

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

1920, Continuous for Domestic

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

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

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.

1920

8. The depth of water table.

3 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.

1/8 inch pipe 100 feet of 2/3 inch pipe + 50 feet of 1/4 inch pipe

10. The estimated amount of groundwater withdrawn each year.

500,000 gallons

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

6 feet Clay, 1 foot gravel

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


Signature of Owner: 

Date: Dec 23, 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.

17-2-1-1
STATE OF MONTANA,

County of Valley,

Filed for record

DEC 23, 1984

at 10:00 A.M.

MARY LOU EILEE, Clerk & Recorder
Valley County

[Signature] 12/27/84
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 Address
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. Natural ground
surface flow in average rain
fall years.

Quantity of water developed and used with explanation of meth-
od used to measure or estimate such amount. If use is inter-
tent estimate approximate lengths of periods of use. Early
Spring the middle of July
with adverse weather conditions

Signature of Owner 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.
<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>H</td>
<td>Lurgas, Harold</td>
<td>GW-2</td>
<td>150322</td>
<td></td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: HAROLD LURAAS  Address: Hinsdale, Montana
Driller: HAROLD LURAAS  Address: Hinsdale, Montana
Date of Notice of Appropriation of Groundwater: December 13, 1963
Date well started: November 15, 1963  Date Completed: Dec. 10, 1963
Type of well: Dug and driven  Equipment Used: Hand dug
  (dug, driven, bored or drilled)
Water Use: Domestic □  Municipal □  Other □  Irrigation □
         Industrial □  Drainage □  Stock □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>15' hand dug</td>
<td>1 1/4&quot; pipe 0</td>
<td>23'</td>
<td></td>
<td>Clay &amp; Gumbo sand</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 23' feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 20 1/2 feet at: 5 gal. per minute.
Discharge in gal. per min. of flowing well:
How Test Pumping: Length of Test: 30 minutes
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

Driller's License Number: 999999
Driller's Signature:

None

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.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Appropriator</th>
<th>Form</th>
<th>County F/4 #</th>
</tr>
</thead>
<tbody>
<tr>
<td>19</td>
<td>Nisadale</td>
<td>GW32xH</td>
<td>H391H7</td>
</tr>
<tr>
<td>31</td>
<td>&quot;</td>
<td>GW2</td>
<td>19409</td>
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<tr>
<td>81</td>
<td>&quot;</td>
<td>GW2</td>
<td>19401</td>
</tr>
<tr>
<td>31</td>
<td>&quot;</td>
<td>GW32xH</td>
<td>H391H4</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. Hinsdale Livestock Company
   (Name of Appropriator)
   of Box 429, Glasgow
   (Address) (Town)

   County of Valley
   State of Montana

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

   2. The beneficial use on which the claim is based: stockwater well and spring

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1955 used continuously each winter for about five months

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

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

   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: 1955

   8. The depth of water table: 40

   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: 6 in casing 60 ft deep

   10. The estimated amount of groundwater withdrawn each year: 225,000

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

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

   Signature of Owner: Hinsdale Livestock Company
   Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropiatrix.
## Notice of Completion of Groundwater Appropriation by Means of Well

(under Chapter 97, Montana Session Laws, 1961)

**Owner:** Name
**Address:** Location

**Driller:** Name
**Address:** Location

**Date of Notice of Appropriation of Groundwater:** Date
**Date well started:** Date
**Date Completed:** Date

**Type of Well:** Drilled
**Equipment Used:** Churn drill

**Water Use:** Domestic Yes
**Industrial:** No

- 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>Stratum encountered</th>
<th>Depth (Feet)</th>
<th>Water Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conductive water</td>
<td>10</td>
<td></td>
</tr>
<tr>
<td>Non-conductive water</td>
<td>20</td>
<td></td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing Well:** Depth in feet.

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

**Pumping Water Level:** Depth at which water rises in the well.

**Discharge in gal. per min. of flowing well:** Flow rate in gallons per minute.

**How Tested:** Length of Test.

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

---

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

---

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

Owner: [Name]
Address: [Address]

Driller: [Name]
Address: [Address]

Date of Notice of appropriation of groundwater: [Date]
Date well started: [Date]
Date completed: [Date]

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

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

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

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

Static Water Level for non-flowing well 10 ft. from bottom in feet.
Shut-in Pressure for Flowing Well.
Pumping Water Level at 500 gallons per minute.
Discharge in gal. per min. of flowing well at 14.5 gal per minute.

How Tested: [Test Method]
Length of Test: [Duration]
Remarks: (Gravel packing, cementing, packers, type of shutoff).

Indicate location of well and place of use, if possible. Each small square represents 40 acres.

Show exact depth of bottom.

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

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

[Counties, Towns, and other information]

Driller's License Number: [Number]
Driller's Signature: [Signature]

[File Number and other administrative information]

[Diagram of well location and other data]

40763
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Hinesdale Livestock Company (Name of Appropriator) of Box 629, Glasgow, Montana (Address) (Town)
County of Valley 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: ranch home dwelling and stock water well plus one spring.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: dwelling well before 1949; other well since 1955 spring continuous flow; dwelling well also waters stock and so well furthest north.

4. The amount of groundwater claimed: (in miner's inches or gallons per minute) 10 gpm per minute dwelling well; 3 gpm per minute spring.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Before 1949 dwelling and since 1955 stockwater well.

8. The depth of water table: 160 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: Dwellings well 100 ft; stockwater well 60 ft.

10. The estimated amount of groundwater withdrawn each year: dwelling & stockwater 700,000 gal; stockwater 250,000 gal.

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.

Hinesdale Livestock Company
Signature of Owner: By: [Signature]

Date: Dec. 31, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name or Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>26</td>
<td>Lindahl/Moore Marion</td>
<td>GW N</td>
<td>435528</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Alan Miller Lindahl
   (Name of Appropriator)
   Address: 123 Main St., Helena, MT
   (Address)
   In the County of
   (County)
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

2. The beneficial use on which the claim is based: Water for
   30 acres & Shead

3. Date or approximate date of earliest beneficial use; and how continuing: the use has been, 2 to 5 months a year, for 5 years.

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

5. If used for irrigation, give the acreage to which water has been applied and name of the owner thereof: Not Applicable

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Springs from the ground, 1 well, 2.5 feet deep. 1 pump of 5 horse power.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Aug 14, 1953

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: Round well with 15 feet diameter

10. The estimated amount of groundwater withdrawn each year: 7000 gallons

11. The log of formations encountered in the drilling of each well if available: Black Crows 100 feet. Black shale

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: This is a developed spring. 1 well, 50 feet deep. Spring, 1000 feet, supplies both 10 acres pastures.

Signature of Owner: A. M. Lindahl
Date: DEC 31 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Approprietor.
<table>
<thead>
<tr>
<th>Sec</th>
<th>Appropriator</th>
<th>Form</th>
<th>County 2/4</th>
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<tbody>
<tr>
<td>2</td>
<td>Miller, Theodore, and Coolman</td>
<td>GW 8H</td>
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<td>5</td>
<td>Edwards, Wayne B.</td>
<td>&quot; H</td>
<td>H38616</td>
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<tr>
<td>7</td>
<td>Miller, Hazel</td>
<td>&quot; H</td>
<td>H39197</td>
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<tr>
<td>11</td>
<td>Howard, H. O.</td>
<td>&quot; H</td>
<td>H38617</td>
</tr>
<tr>
<td>16</td>
<td>Ashman, Geo. A. &amp; Eimer</td>
<td>&quot; H</td>
<td>H38850</td>
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<tr>
<td>19</td>
<td>Faith, Gilbert</td>
<td>&quot; H</td>
<td>H39011</td>
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<td>19</td>
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<td>&quot; H</td>
<td>H39079</td>
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<td>&quot; &quot;</td>
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<td>Carlson, Courtney A.</td>
<td>GW 2</td>
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<td>&quot; H</td>
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<td>&quot; H</td>
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<td>85</td>
<td>Ward, Laura Etta</td>
<td>&quot; H</td>
<td>H82439</td>
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</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

I. Theodore A. Miller and Colleen/ Miller, husband and wife as joint tenants with
(rights of survivorship)
of... Box 102.. Ophelia
(Address) (Town)

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

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

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) a. 1 gal. per minute; b. 1 gal. per minute; c. 3 gal. per minute.

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof not used for irrigation.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal is surface flow; b. surface flow; c. cylinder type pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater a. used as were until 1954 when excavation was made b. used as were until 1954 when excavation was made c. commenced in 1927 and completed 1940.

8. The depth of water table a. surface flow; b. surface flow; c. depth to water table 80' with 2' water depth.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater a. 40X40X7' excavation at surface; b. 40X40X7' excavation at surface; c. cement curving 60' deep 3' at 2 foot in diameter with 34' cylinder leather type pump.

10. The estimated amount of groundwater withdrawn each year is a. 288,000 gal. b. 288,000 gal. c. 144,000 gal.

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

Signature of Owner

Date 12/30/62

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

1. WAYNE EDWARDS  
   (Name of Appropriator)  
   
   Valley  
   (Address)  
   Montana  
   (Town)  

   County of Valley  
   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... 1957

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal... 7 \* deep pit X 100' diameter = spring

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater... 1957 - 1960... dug-out spring

   8. The depth of water table... 4 feet deep to 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... This is a spring... 7' deep... 100' diameter

   10. The estimated amount of groundwater withdrawn each year... 1,000,000 gallons per 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: WAYNE A. EDWARDS  
   Date: December 20, 1963

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

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

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

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

1. Mrs. Ha-mel-Wall of R1-28S, Glasgow (Name of Appropriator) (Address) State of Montana

County of Valley 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: excavated 1954 and continuous

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

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

6. The means of withdrawing each water from the ground and the location of each well or other means of withdrawal: surface flowing well through pipe into stock tank

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal: 1954

8. The depth of water table: surface flowing

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4 in diameter, 6 ft deep, steel casing flows

10. The estimated amount of groundwater withdrawn each year: 147,600 gal per year

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: Max Angel Walla

Date: 1-16-64

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriatee.
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

WAYNE A. EDWARDS

County of Valley State of Montana

1. Name of Appropriator: Wayne Edwards

Address: Ophelia

Town: (Under Chapter 237, Montana Session Laws, 1961)

DECLARATION OF VESTED GROUNDWATER RIGHTS

The beneficial use on which the claim is based:

1. Stock

2. Stock and house

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

   1. 1943
   2. 1958

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

   1. 10 gallons per minute
   2. 10 gallons per minute

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

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

   1. Electric pump
   2. Electric pump

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

   1. 1943
   2. 1958

8. The depth of water table

   1. 67 feet
   2. 67 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

   1. 78' deep, 10" casing, 10" pipe
   2. 78' deep, 10" casing, 10" pipe

10. The estimated amount of groundwater withdrawn each year

    1. 500,000 gallons per year
    2. 150,000 gallons per 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: Wayne Edwards

Date: December 20, 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 Appropriate.

\[\text{Diagram: SE 1/4 SE 7 T. 34 R. 40.} \]

\[\text{Indicate point of appropriation and place of use, if possible. Each small square represents 10 acres.}\]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

County of
State of
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
   CATTLE, WHEAT, and HOME

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1912 FROM THEN

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1912

8. The depth of water table
   405' deep

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
   14 Casing 405' deep
   1 SPRING DELIVERING 20 G.P.M. per minute

10. The estimated amount of groundwater withdrawn each year
   10,048,000 G.P.M.

11. The log of formations encountered in the drilling of each well if available
   355' shale rock

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

Signature of Owner
Date 12-26-63

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology for the Administrator.
STATE OF MONTANA
County of Valley
Filed for search

DEC 30 1963

MARY LOUISE Clerk & Recorder
Valley County
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

George A. Asleson and Elmer Asleson
(Name of Appropriator) (Address) (Town)

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

2. The beneficial use on which the claim is based: Livestock water use, garden use and household use.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: About the year 1914 and has been used continuously since.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: Water used to irrigate about 1/4 acre of garden and located in NE 1/4 Sec. 16, T 34 N, R 40 EMM.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Natural spring and a well with an electric-driven pump located in NE 1/4 Sec. 16, T 34 N, R 40 EMM.

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

8. The depth of water table: 12 feet from the surface.

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 was hand dug, is 4 feet in diameter, and is approximately 17 feet in depth.

10. The estimated amount of groundwater withdrawn each year: 1,100,000 gallons.

11. The log of formations encountered in the drilling of each well if available: 0' to 10' Sand; 10' to 17' Gravel.

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

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.

Signature of Owner: ____________________________
Date: Dec. 30, 1963

George A. Asleson

The date of completion is Dec. 30, 1963.
**Declaration of Vested Groundwater Rights**
(Under Chapter 237, Montana Session Laws, 1961)

1. **Hilbert Faust**
   - (Name of Appropriator)
   - of M.S.R. Helena
   - (Address)
   - (Town)

   County of:  
   State of:  

   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

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

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

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

   [Year]  

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 may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:  

10. The estimated amount of groundwater withdrawn each year:  

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

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

   [Signature] of Owner:  

   Date:  

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

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

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

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

1. Aline Marion Lindahl
   (Name, of Appropriator)
   of
   (Address)
   of
   (Town)
   County of
   State of

   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: Water for 3 acres. Aline Lindahl.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been for the past 10 years.

   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.

   Electric pump.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. About 40 years ago. 1920.

   8. The depth of water table. 50 ft.

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Hand dug. 14 ft. x 3 ft. Wood cistern.

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

   11. The log of formations encountered in the drilling of each well if available. 2 ft. clay. 2 ft. coarse gravel. 12 ft. quicksand at bottom. Below 6 ft. in chalk strata.

   12. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record. Water is well enough for cattle. Will not run out. Not practical.

   Signature of Owner: Aline Lindahl
   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.
**MONTANA BUREAU OF MINES AND GEOLOGY**
Butte, Montana

**WATER WELL LOG**

**STATE ENGINEER**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>A.M.</td>
<td>cabin, Mont.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>J.R.</td>
<td>Hagen, Mont.</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Location</th>
<th>T. 34 N.</th>
<th>R. 46 E.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sec. 19</td>
<td>4</td>
<td>5</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>(self-drilled, bored, or drilled)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Equipment used</th>
<th>Spudger</th>
</tr>
</thead>
<tbody>
<tr>
<td>(pump, drill, rotor, etc.)</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>
</table>

<table>
<thead>
<tr>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Casing: ft. to</th>
<th>125 ft.</th>
<th>Type</th>
<th>Size 4&quot;</th>
</tr>
</thead>
</table>

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

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

<table>
<thead>
<tr>
<th>Perforated or Screened: Ft. 22 to Ft. 52</th>
<th>Ft. 114 to Ft. 122</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
<th>Cutting torch</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>60 feet.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>1 lb./sq. in. on:</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Pumping water level</th>
<th>100 feet at</th>
<th>1 gal. per min.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>60 feet; shut-in pressure on 1/4&quot; ball.</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Length of test</th>
<th></th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth, Feet</td>
<td>From</td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
</tr>
<tr>
<td></td>
<td>0</td>
</tr>
<tr>
<td></td>
<td>1</td>
</tr>
<tr>
<td></td>
<td>10</td>
</tr>
<tr>
<td></td>
<td>47</td>
</tr>
<tr>
<td></td>
<td>65</td>
</tr>
<tr>
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<td>73</td>
</tr>
<tr>
<td></td>
<td>93</td>
</tr>
<tr>
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</tr>
<tr>
<td></td>
<td>336</td>
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<tr>
<td></td>
<td>350</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. **Hilbert Tauts**, (Name of Appropriator)
of **Missoula**, (Address)
County of **Valley**, State of **Montana**

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

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1952**

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

5. If used for irrigation, give the arrange 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: **Springtime**

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

8. The depth of water table: **Springtime**

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: **Springtime**

10. The estimated amount of groundwater withdrawn each year: **do not know**

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

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

Signature of Owner: **Hilbert Tauts**
Date: **Dec. 31, 1963**

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

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

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