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

John Bilyeu, of Roundup

County of Musselshell, 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been, Do not know

4. The amount of groundwater claimed (in miner's inches or gallons per minute), Do not know

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater, Do not know

8. The depth of water table, Do not know

9. So far as it may be available, the type, size and depth of each well, or the general specifications of any other works for the withdrawal of groundwater, Drilled, 6 inch casing, and 240 ft. deep

10. The estimated amount of groundwater withdrawn each year, 100,000 gallon a year

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: John Bilyeu
Date: Dec. 10, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSELHELL COUNTY,

FILED THIS __0__ DAY OF ___A. D. 1963____

AT ___3:54___ O'CLOCK ___P.M.____

B. H. MATZKE
COUNTY RECORDER

D.P. ___2.00____
DEPUTY
# WATER WELL LOG

**Owner:**
- Name: 
- Address: 

**Driller:**
- Name: 
- Address: 

**Date Started:** 2-3-61
**Date Completed:** 2-21-61

**Location:** Sec 2.5 T 8 R 37 4 sec

### Type of well
- **Dug**, **driven**, **bored**, or **drilled**

### Water use
- Domestic
- Municipal
- Stock
- Irrigation

### Casing
- **Type**
- **Size**

### Perforated or Screened
- **Type of screen or perforations**

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

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

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

### How tested:
- **(date)**

### Length of test
- **(date)**

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

---

(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>95-110</td>
<td>Gray Sand</td>
</tr>
<tr>
<td>110-190</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>190-325</td>
<td>Sandy with H2O</td>
</tr>
<tr>
<td>225-227</td>
<td>Coal</td>
</tr>
<tr>
<td>227-280</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>280-320</td>
<td>Sand, Mica H2O</td>
</tr>
<tr>
<td>320-335</td>
<td>Gray Shale</td>
</tr>
<tr>
<td>335-365</td>
<td>Sand, more H2O</td>
</tr>
<tr>
<td>365-370</td>
<td>Shale</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>1</td>
<td>Davia, Barto</td>
</tr>
<tr>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2</td>
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</tr>
<tr>
<td>3</td>
<td>Henrichs, Marcus</td>
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<tr>
<td>4</td>
<td>Godfrey, Dean, Vera</td>
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</tr>
<tr>
<td>6</td>
<td>Gaffena, Robert</td>
</tr>
<tr>
<td>6</td>
<td>Gaffena, A.L.</td>
</tr>
<tr>
<td>7</td>
<td>Kellor, Helen</td>
</tr>
<tr>
<td>10</td>
<td>Johnson, Marcus</td>
</tr>
<tr>
<td>10</td>
<td>Godfrey, Dean, Vera</td>
</tr>
<tr>
<td>11</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Kellor, Helen</td>
</tr>
<tr>
<td>18</td>
<td>Godfrey, Dean, Vera</td>
</tr>
<tr>
<td>19</td>
<td>Kaufman, Gerald</td>
</tr>
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<td>19</td>
<td>Kellor, Helen</td>
</tr>
<tr>
<td>22</td>
<td>Bradford, Harry</td>
</tr>
<tr>
<td>24</td>
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<td>24</td>
<td>Kellor, Helen</td>
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<td></td>
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<td></td>
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<td>30</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Brown, Jim</td>
</tr>
<tr>
<td>33</td>
<td>Kaufman, Gerald</td>
</tr>
<tr>
<td>34</td>
<td>Kellor, Helen</td>
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<tr>
<td>36</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

State of Montana
Administrator of groundwater Code
Office of State Engineer

1. Bark H. Davis, of, Delphi.
   (Name of Appropriator)
   (Address)
   (Town)

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 since that date.

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

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

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

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

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 count record.

Signature of Owner: Bark H. Davis
Date: January 2, 1964

T. R. 20
County Residence
State of Montana
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: 1905
Owner: Bert H. Davis, Address: Delphi, Montana
Contractor (if any): None
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. A spring

Feet

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. Plenty to water a 150 cattle, Seven months

Signature of Owner: Bert H. Davis
Date: January 2, 1961

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

Three copies of this notice are to be filled 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,
MUSSELHELL COUNTY.

FILED THIS 9 DAY OF

JAN. A.D. 1969

AT 2:16 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

DEPUTY

169876
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1906

Owner: Bert H. Davis
Address: Delphi, Montana

Contractor (if any): None
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:

Spring

1 Foot

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: Plenty to water a 150 cattle. Seven months.

Signature of Owner:
Date: January 2, 1964

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.

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

Indicate point of appropriation and place of use, if possible.
STATE OF MONTANA
MUSSELSHELL COUNTY
FILED THIS 9 DAY OF
Jan A.D. 1964
AT 2:40 O'CLOCK P.M.
B. R. MAYZKE
COUNTY RECORDER
FRANCIS \nDEPUTY
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

[Table]

<table>
<thead>
<tr>
<th>Date started</th>
<th>Date completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>6-5-6</td>
<td>8-5-6</td>
</tr>
</tbody>
</table>

Location: Sec. 3 T. 8 R. 28 1 sec.

Type of well:driller  Equipment used: churn drill

Water well log

Owner:  Driller:  Address:  Address:  Roundup, Montana

Date Started: 8-5-6  Date Completed: 8-5-6

Location: Sec. 3 T. 8 R. 28 1 sec.

Type of well:  Equipment used:  churn drill

Water use:

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other

Casing:

- Ft. to 100 ft.
- Type
- Size

Perforated or screened:

- Ft. to Ft.
- Type
- Size

Type of screen or perforations:

Static water level, for non-flowing well: 175 feet.

Shut-in pressure, for flowing well:

Pumping water level:

175 feet at 7 gal. per min.

How tested:

Remarks: 

(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
### Log of Well

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>12</td>
<td>sand</td>
</tr>
<tr>
<td>13</td>
<td>30</td>
<td>sandy mud</td>
</tr>
<tr>
<td>30</td>
<td>84</td>
<td>marley shale &amp; coal measures</td>
</tr>
<tr>
<td>84</td>
<td>124</td>
<td>grey shale</td>
</tr>
<tr>
<td>124</td>
<td>134</td>
<td>sandy shale</td>
</tr>
<tr>
<td>134</td>
<td>180</td>
<td>greyish brown shale</td>
</tr>
<tr>
<td>180</td>
<td>181</td>
<td>chalky grey rock</td>
</tr>
<tr>
<td>181</td>
<td>197</td>
<td>sandy shale</td>
</tr>
<tr>
<td>197</td>
<td>198</td>
<td>brown shale</td>
</tr>
<tr>
<td>198</td>
<td>205</td>
<td>grey shale</td>
</tr>
</tbody>
</table>
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:

1. Name of Appropiator                      Address                      (Town)

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.

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

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 ground water.

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 ground water.

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 count record.

Signature of Owner

Date

2065
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Dean E. and Verna M. Godfrey, of Roundup, Musseleshall County, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: natural, flowing, spring, stockwater, and irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1943, continuous use.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 500,000 gallons.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1943.

8. The depth of water table: ground level, spring flows naturally.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: spring was dug out and sides cemented and pipe placed into spring. Water flows through 1 1/2 in. pipe into creek. Water from spring flows into dam on creek and water is then pumped out of dam for irrigation.

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: 1943.

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: 1943.

Signature of Owner: Dean E. Godfrey
Date: December 6, 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.
MUSSELHELL COUNTY.

FILED THIS ___ DAY OF

_______  A. D. 19__

_______ O'CLOCK, P.M.

R. H. MATZKE
COUNTY RECORDER

F. M. STAMER
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. Dean E. and Vera M. Godfrey, of Roundup,
   (Name of Appropriator) (Address) (Town)
   County of Musselshell, 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, household use and irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      2 wells, 1952, continuous use of both wells

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

   5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
      1 acre, SW 1/4 T. 8 R. 28
      Owners - Dean E. and Vera M. Godfrey

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

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

   8. The depth of water table:
      30' for each well

   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:
      Both wells 75' deep, both are cased to bottom with 6" casing.
      Both wells have jet pump and pump water to surface through 1 1/2 in. pipe. Pumps operate by electric motors.

   10. The estimated amount of groundwater withdrawn each year:

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

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

   Signature of Owner:
   Dean E. Godfrey
   Date:
   December 6, 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

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

Owner: Dean Hodges
Address: Roundup, MT
Driller: Harry McDonald
Address: Roundup, MT

Date of Notice of appropriation of groundwater: Nov 6, 1965
Date well started: Nov 6, 1965
Date completed: Nov 8, 1965

Type of well: \[\text{Churn drill} \]
Equipment used: \[\text{Churn drill} \]

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>Depth (Feet)</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
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</thead>
<tbody>
<tr>
<td>0</td>
<td>7(\text{&quot;} )</td>
<td>0</td>
<td>70</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>5/8(\text{&quot;} )</td>
<td>50</td>
<td>65</td>
<td>Slots</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well

Skirt Pressure for Flowing Well

Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested:

Length of Test:

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

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, tissue copy to be retained by driller.

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

Driller's License Number

Driller's Signature

43

5932
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Joffena</th>
<th>Address</th>
<th>Roundup, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>EKers EQUI. Co.</td>
<td>Address</td>
<td>Roundup, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>June 1957</td>
<td>Date Completed</td>
<td>June 1957</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 6 T. 6 R. 28 1/4 sec. R. 28</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Type of well driven</td>
<td>(Dug, driven, bored, or drilled)</td>
<td>Equipment used</td>
<td>churn</td>
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<tr>
<td>Water use</td>
<td>Domestic [x]</td>
<td>Municipal [ ]</td>
<td>Stock [ ]</td>
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<tr>
<td>Industrial</td>
<td>[ ]</td>
<td>Drainage [ ]</td>
<td>Other [ ]</td>
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<tr>
<td>Casing:</td>
<td>0 ft. to 20 ft. Type Steel Size 8-5/8</td>
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<tr>
<td>Casing:</td>
<td>0 ft. to 20 ft. Type Galv Size 6&quot;</td>
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<tr>
<td>Casing:</td>
<td>75 ft. to 150 ft. Type 11 ht. Galv Size 5&quot;</td>
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<tr>
<td>Perforated or Screened:</td>
<td>Ft. 120 to ft. 150</td>
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</tr>
<tr>
<td>Type of screen or perforations</td>
<td>slot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>14 feet</td>
<td></td>
<td></td>
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<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on: (use)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>25 feet at 10 gal. per min.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>How tested:</td>
<td>balising</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>dirt</td>
</tr>
<tr>
<td>15</td>
<td>gravel</td>
</tr>
<tr>
<td>26</td>
<td>blue shale</td>
</tr>
<tr>
<td>30</td>
<td>sandy light shale</td>
</tr>
<tr>
<td>36</td>
<td>gray shale</td>
</tr>
<tr>
<td>50</td>
<td>blue shale - soft</td>
</tr>
<tr>
<td>50</td>
<td>brown shale</td>
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<tr>
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<td>67</td>
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<td>75</td>
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<tr>
<td>90</td>
<td>brown shale soft</td>
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<tr>
<td>100</td>
<td>blue shale soft</td>
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<td>117</td>
<td>gray shale</td>
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<tr>
<td>119</td>
<td>blue shale</td>
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<tr>
<td>123</td>
<td>very hard grey rock</td>
</tr>
<tr>
<td>130</td>
<td>blue shale</td>
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<tr>
<td>135</td>
<td>gray sand</td>
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<tr>
<td>137</td>
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<td>140</td>
<td>brown shale</td>
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<td>142</td>
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<td>147</td>
<td>blue shale</td>
</tr>
<tr>
<td>149</td>
<td>gray sand</td>
</tr>
<tr>
<td>150</td>
<td>blue shale</td>
</tr>
</tbody>
</table>
T. 24 R. 86

County Butte

MONTANA BUREAU OF MINES AND GEOLOGY

STATE ENGINEER

WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner:</th>
<th>Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller:</td>
<td>Address:</td>
</tr>
</tbody>
</table>

Date Started: May 26, Date Completed: Oct. 1, 1969

Location: Sec. 6 T. 5 R. 26, 1/2 sec. S 4

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

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

Casing: 0 ft. to 71 ft. Type: Galvanized Size: 6"

Casing: ______ ft. to ______ ft. Type: ______ Size: ______

Casing: ______ ft. to ______ ft. Type: ______ Size: ______

Perforated or Screened: Ft. 60 to Ft. 76. Ft. ______ to Ft. ______

Type of screen or perforations: ______

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

Pumping water level: 40 feet at 7 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>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>0</td>
<td>10</td>
<td>Dirt</td>
</tr>
<tr>
<td></td>
<td>10</td>
<td>20</td>
<td>Gravel &amp; sand rock</td>
</tr>
<tr>
<td></td>
<td>20</td>
<td>30</td>
<td>Shale</td>
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<tr>
<td></td>
<td>40</td>
<td>50</td>
<td>Sand rock</td>
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<td>60</td>
<td>Shale</td>
</tr>
<tr>
<td></td>
<td>60</td>
<td></td>
<td>Shale</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, 1962)  

1. Helen Keller  
   of  
   Delphi  
Count of Musselshell  
State of Montana  

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been  
   May, 1950, and continuously thereafter.  

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal  
   Pump and jack  
   Located in SW corner of NE1/4SW1/4NE1/4 of Section 7-T-86  

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater  
   Commenced and completed May, 1950  

8. The depth of water table  
   100 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  
   100 ft. of 6" casing, Withdrawn by means of pump and jack.  

10. The estimated amount of groundwater withdrawn each year  
    16,200 gallons  

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

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: Helen Keller  
Date: April 5, 1962  

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSEL SHELL COUNTY.

Filed this 16 day of April, A.D. 1962,
at 1:16 o'clock P.M.

R. H. MATZKE
COUNTY RECORDER

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

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

(Name of Appropriator) (Address) (Town)
County of Musselshell 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

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,
MUSSELHELLER COUNTY

FILED THIS--
H:\AT 0

AT 6:40 O'clock P.

B. H. MATZKE
COUNTY RECORDER

George L. Dawson
205
**Declaration of Vested Groundwater Rights**
(Under Chapter 237, Montana Session Laws, 1961)

1. **Dean E. and Vera M. Godfrey**
   - **County of:** Musselshell
   - **State of:** Montana
   - **Address:** Roundup

   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**
   - **1952,** continuous use

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.**
   - **pump**

7. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.**
   - **1952**

8. **The depth of water table**
   - **77**

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 withdrawal of groundwater.**
   - **Well 77′ deep, Cased to bottom, water withdrawn through 1-7/8′ in. pipe by pump with engine.**

10. **The estimated amount of groundwater withdrawn each year.**
    - **300,000 gallons**

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

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

   ![Signature](Signature of Owner: Dean E. Godfrey, Date: December 6, 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. Dean E. and Vera M. Godfrey, of Roundup, County Musselshell, 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: 1952, continuous use

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

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

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

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

8. The depth of water table: 125 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Well 180', deep, cased to bottom 6' casing, 1 1/4 in. pipe and pump used to draw water to surface.

10. The estimated amount of groundwater withdrawn each year: 300,000 gallons

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

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

Signature of Owner: Vera M. Godfrey
Date: December 6, 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,
MUSSEL SHELL COUNTY,

FILED THIS 7 DAY OF
DEC. 19 63
AT 4:45 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

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. Helen O'Dell Keller of (Address) (Town)
County of Musselshell 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: continuous since 1880

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
Natural-Flowing-spring in NE1/4NW1/4SW1/4Sec.16, T.8N, R.28E

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1880

8. The depth of water table: unknown

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: none

10. The estimated amount of groundwater withdrawn each year: 1,576,800 gallons

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

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

Signature of Owner: Helen O'Dell Keller
Date: December 11, 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. Dean E. & Vera F. Godfrey, of Roundup, Montana
   (Name of Appropriator) (Address) (Town)
   County of Musselshell, 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
      June, 1954, continuous use

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      1 1/4 in. pipe and pump

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

   8. The depth of water table 125 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
      158' well cased to bottom with 1 in. casing. 1 1/4 in. pipe to bottom of well. Water withdrawn by pump and sucker rod through pipe.

   10. The estimated amount of groundwater withdrawn each year 300,000 gallons

   11. The log of formations encountered in the drilling of each well if available 5' dirt; 10' yellow clay; 5' sand rock; 10' blue shale; 5' blue shale; 10' blue sand rock; 4' blue shale; 8' hard rock; 15' blue shale; 10' gray coal shale; 19' blue shale; 8' sand rock; 25' blue shale; 8' sand rock; 4' blue shale; 10' sand 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

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 December 6th, 1963
STATE OF MONTANA,
Mason County.

Filed this __ day of __, A.D. 19__
at __ o'clock ___ m.

B. H. Matzke,
COUNTY RECORDER

L. F. Johnson
DEPUTY
**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.

<table>
<thead>
<tr>
<th>Owner</th>
<th>Gerald Kaufman</th>
<th>For Administrator's Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Delphi, Mont.</td>
<td>Fil# 183732</td>
</tr>
<tr>
<td>Date started</td>
<td>May 11, 1972</td>
<td>GW-1</td>
</tr>
<tr>
<td>Date completed</td>
<td>May 18, 1972</td>
<td></td>
</tr>
</tbody>
</table>

**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).

**INDICATE LOCATION OF WELL AND PLACE OF USE, IF POSSIBLE.**

**EACH SMALL SQUARE REPRESENTS 40 ACRES.**

**Top of Ground**

<table>
<thead>
<tr>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>Top of Ground</th>
<th>(Elev. above sea level)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>6</td>
<td>topsoil</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>25</td>
<td>brown sandstone</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>32</td>
<td>coal</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>32</td>
<td>blue gray shale</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>32</td>
<td>blue gray shale and bentonite</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>32</td>
<td>sandy shale &amp; bentonite</td>
<td></td>
</tr>
<tr>
<td>105</td>
<td>105</td>
<td>blue gray shale and bentonite</td>
<td></td>
</tr>
<tr>
<td>106</td>
<td>106</td>
<td>sandy shale &amp; bentonite</td>
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<tr>
<td>107</td>
<td>107</td>
<td>sand (tight)</td>
<td></td>
</tr>
<tr>
<td>108</td>
<td>108</td>
<td>blue shale &amp; bentonite</td>
<td></td>
</tr>
<tr>
<td>109</td>
<td>109</td>
<td>sand (tight)</td>
<td></td>
</tr>
<tr>
<td>110</td>
<td>110</td>
<td>gravel (tight)</td>
<td></td>
</tr>
<tr>
<td>111</td>
<td>111</td>
<td>blue shale &amp; bentonite</td>
<td></td>
</tr>
<tr>
<td>112</td>
<td>112</td>
<td>gravel (tight)</td>
<td></td>
</tr>
<tr>
<td>113</td>
<td>113</td>
<td>blue shale &amp; bentonite</td>
<td></td>
</tr>
<tr>
<td>114</td>
<td>114</td>
<td>gravel (tight)</td>
<td></td>
</tr>
<tr>
<td>115</td>
<td>115</td>
<td>blue shale &amp; bentonite</td>
<td></td>
</tr>
</tbody>
</table>

**Equipment used:**

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Ft)</th>
<th>To (Ft)</th>
<th>S</th>
<th>W</th>
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</thead>
<tbody>
<tr>
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<td>0</td>
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<td></td>
</tr>
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<td>30</td>
<td>45</td>
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<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>295</td>
<td>343</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level:** 25 ft.

**Pumping water level:** 280 ft.

**Power:** Pump 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.**

**Bounthups kln., LICENSE NO. 207**

Driller's Signature

Driller's Address: Klein Star Rte.

Boundaries Cont. LICENSE NO. 207

Show exact depth of bottom.
STATE OF MONTANA,
MUSSELSHELL COUNTY,
FILED THIS ___ Day OF
May A. D. __
AT _______ O'CLOCK A.M.
CLAUDE F. FLETCHER
COUNTY RECORDER

SUSAN B. EVANS
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. Helen Keller, of Delphila, County of Musselshell, 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: May, 1947, and continuously thereafter.

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 and description of the lands 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: "Pipe and Jack. Located in the SE corner of the NN/4 NW/1/4 of Section 19-8-28.

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

8. The depth of water table: 75 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: 75 ft. deep, 6" casing. Withdrawn by means of pipe and jack.

10. The estimated amount of groundwater withdrawn each year: 4,368 gallons.

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

12. Such other information or 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: Helen Keller
Date: April 7, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSELHEIL COUNTY.

FILED THIS 16
DAY OF
APRIL A.D. 62
AT 1:45 O'CLOCK
M.

E. H. MATZEN
COUNTY RECORDER

DEPUTY
**WATER WELL LOG**

**Owner:** Henry Bedard  
**Address:** Delphi  
**Driller:** Clyde Lohnes  
**Address:**  
**Date Started:** Dec. 17, 1960  
**Date Completed:** Dec. 29, 1960

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cable</td>
<td>(Churn drill, rotary, other)</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>Drainage</td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
<td>Irrigation</td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
<th>Ft. to Ft.</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shut-in pressure, for flowing well:</td>
</tr>
<tr>
<td>----------------------------------------</td>
</tr>
<tr>
<td>Pumping water level:</td>
</tr>
<tr>
<td>How tested:</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>(over)</td>
</tr>
<tr>
<td>Depth, feet</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>0 - 20</td>
</tr>
<tr>
<td>20 - 80</td>
</tr>
<tr>
<td>80 - 85</td>
</tr>
</tbody>
</table>
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Henry Bedell
Address: Delphie

Driller: Clyde Leander
Address:

Date Started: Dec. 20, 1960
Date Completed: Jan. 5, 1961

Location: Sec. 24, T. 8, R. 28, W. 4

Type of well: Dug
Equipment used: Churn drill

Water use:
- Domestic
- Municipal
- Stock
- Municipal

Casing:
- 0 ft. to 13 ft. Type: Iron Size: 6 in.
- 13 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: 0 feet.

Shut-in pressure, for flowing well: 0 lb./sq. in. on: (date)

Pumping water level: feet at 10 gal. per min.

How tested:

Length of test:

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>12</td>
</tr>
<tr>
<td>12</td>
<td>190</td>
</tr>
<tr>
<td>190</td>
<td>205</td>
</tr>
<tr>
<td>205</td>
<td>209</td>
</tr>
<tr>
<td>209</td>
<td>225</td>
</tr>
</tbody>
</table>

- sand
- grey sandstone
- sand
- blue clay
- sand and rock
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

File No. T...N..R....SH.E, •

DUPLICATE

County Musselshell

STATE ENGINEER

Helen Keller
(Name of Appropriator) of Delphla
(Address)

County Musselshell State of Montana

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

1. The beneficial use on which the claim is based

2. Date or approximate date of earliest beneficial use; and how continuous the use has been August 10, 1950, and continuously thereafter.

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

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal, Pipe and Jack, located in the NW1/4SW1/4 of Section 26-8-28.

6. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed August 10, 1950.

7. The depth of water table 200 ft.

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

9. The estimated amount of groundwater withdrawn each year 65,520 gallons.

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

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

Signature of Owner Helen Keller

Date April 7, 1962

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

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

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

FILED THIS _____ DAY OF
______ A.D. 19__
AT __:__ O'CLOCK A.M.

B. H. MATZKE
COUNTY RECORDER

[Signature]
DEPUTY
# WATER WELL LOG

**Owner:** Troy Miller  
**Address:** Delphina Head, 1411 Miller Lane, Belltown, Montana

**Driller:** Clyde Stude  
**Date Started:** October 25, 1961  
**Date Completed:** November 15, 1961

**Location:** Sec. 27 T. 8 R. 28E 1/4 sec.

**Type of well:** Drilled  
**Equipment used:** Churn drill

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

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

**Perforated or Screened:** From ft. to ft. 
Type: 
Size:

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

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

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

**How tested:** 

**Length of test:**

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

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(over)
## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 14</td>
<td>Sand</td>
</tr>
<tr>
<td>14 - 40</td>
<td>Yellow shale</td>
</tr>
<tr>
<td>40 - 80</td>
<td>Gray sandy shale</td>
</tr>
<tr>
<td>80 - 100</td>
<td>Sand-rock</td>
</tr>
<tr>
<td>100 - 105</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>105 - 130</td>
<td>Sand-rock</td>
</tr>
<tr>
<td>130 - 145</td>
<td>Gray shale</td>
</tr>
<tr>
<td>145 - 160</td>
<td>Sand-rock with some water</td>
</tr>
<tr>
<td>160 - 250</td>
<td>Gray shale</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. Helen Keller of Delphia
   (Name of Appropriator) (Address) (Town)
   County of Musselshell State of Montana

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been April 10, 1950, and continuously thereafter.

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal jet pump, located in the SE1/4 N21T55R25E of Section 29-6-26.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater Commenced and completed April 10, 1950.

   8. The depth of water table 57 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 57 ft. deep, 6" casing, Withdrawn by means of pipe and jet pump.

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

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

   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 Helen Keller
   Date April 28, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
STATE OF MONTANA,
MUSSELHELL COUNTY,

FILED THIS 16 DAY OF
APRIL A.D. 1962
AT 1:19 O'CLOCK P.M.

B. H. MATZKE
COUNTY RECORDER

CLARK, 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. Helen Keller  of Delphina
(Name of Appropriator) (Address) (Town)
County of Musselshell 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 household use and stock water.

3. Date or approximate date of earliest beneficial use and how continuous the use has been is August 15, 1953, and continuously thereafter.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute) is 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 are jet pump, located in the NE1/4 NW1/4 of Section 29-8-28.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater is Commenced and completed August 15, 1953.

8. The depth of water table is 40 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 are 40 ft. deep, 6” casing, Withdrawn by means of pipp and jet pump.

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

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

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 not applicable.

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 April 27, 1962.

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA,
MUSSELHELL COUNTY,

FILED THIS 16 DAY OF
APRIL A.D. 19-2
AT 10 O'CLOCK

B. H. MATZKE
COUNTY RECORDER

DEPUTY
# Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

## 1. Helen Keller of Delphila

**County of:** Musselshell  **State of:** Montana

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

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

2. **Date or approximate date of earliest beneficial use; and how continuous the use has been:**
   - October 10, 1952, and continuously thereafter.

3. **The amount of groundwater claimed (in miner’s inches or gallons per minute):**
   - 5 gallons per minute

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

5. **The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:**
   - **pipe and jack**

6. **The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:**
   - Commenced and completed October 10, 1952.

7. **The depth of water table:**
   - 40 ft.

8. **The log of formations encountered in the drilling of each well if available:**
   - unknown

9. **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

## Diagram

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>SE1/4NW1/4</td>
</tr>
</tbody>
</table>

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

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.

Origin: to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Min., and Geology and Quadruplicate for the Appropriator.
STATE OF MONTANA, MUSSELHELL COUNTY.

FILED THIS ___ DAY OF APRI, A.D. 19__
AT __ O'CLOCK __ M.

R. H. MATZKE
COUNTY RECORDER

ELAINE J. BAGGER
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. Helen O'Dell Keller, of (Address) (Town)
   County of Musselshell 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 continuous since 1880
   1880

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Natural flowing spring in SW1/4NE1/4, Section 29, T. 8, R. 28

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1880

8. The depth of water table
   Unknown

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
   None

10. The estimated amount of groundwater withdrawn each year
    1,576,800 gallons

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

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

Signature of Owner

Helen O'Dell Keller
Date December 11, 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, MUSELLELL COUNTY,

FILED THIS 26 DAY OF

JANUARY 1963

AT 11:17 O'CLOCK A.M.

R. H. MATZEL
COUNTY RECORDER

ELMA J. JACOBS
DEPUTY

169370
Declaration of Vested Groundwater Rights

STATE OF MONTANA

OFFICE OF STATE ENGINEER

Helen Keller

1. Name of Appropriator

2. Address

3. County of Missoula

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

5. The depth of water table

6. The estimated amount of groundwater withdrawn each year

7. Such other information at the discretion of the examiner as may be useful in carrying out the policy of this act

8. If used for irrigation, give the acreage and description of the land to which water has been applied and names of the owner

9. The means of withdrawing such water from the ground, including the name and location of the water well, or other works for withdrawal of groundwater

10. The date on which this claim has been approved

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

12. Such other information of a similar nature as may be useful in carrying out the policy of this act

County Administrator

Date: April 25, 1966

Signature of Owner

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; quadruplicate to the Appropriator.