MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

STATE ENGINEER

WATER WELL LOG

Owner: Bruce Dutton Address: Sand Springs, Montana
Driller: Eugene McConnell Address: Roundup, Montana
Date Started: 6/29/59 Date Completed: 7/2/59
Location: Sec T R M

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of well</td>
<td>Equipment used</td>
</tr>
<tr>
<td>Domestic</td>
<td>(Cone, driven, bored, or drilled)</td>
</tr>
<tr>
<td>Industrial</td>
<td>(Churn drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

Casing: 215 ft. to 6 inches Galvanized

Perforated or Screened: [ ] to ft.

Type of screen or perforations: [ ] from top

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

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

Pumping water level: gal. per min.

How tested: 30 minutes

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>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>35</td>
</tr>
<tr>
<td>35</td>
<td>135</td>
</tr>
<tr>
<td>135</td>
<td>165</td>
</tr>
<tr>
<td>165</td>
<td>215</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1913.
Owner: Northern Pacific Railway Company
Address: St. Paul, Minn.

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. Spring used since 1913.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Spring flows 15 gallons per minute, measured over a period of time.

Signature of Owner: __________________________
Dist. Supervisor, Graz. & Cult.
Date: DEC 10-1963

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 Appropurator.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana, on this 16th day of May, 2023.

A. D. 2023

Clerk, Recorder of
Garfield County

$2.00

Filed and Recorded.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator: Dutton Enterprises
   (Address):
   (Town):

   County of: Garfield
   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:
   1918
   1947 Continuance

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1918
   1947
   1948

8. The depth of water table:
   100'
   100'
   76'

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" casing galv. 100' 3-4' well
   Drilled 6" screen casing 100' 3-4' well
   Drilled 5' area casing 100' 3-4' well

10. The estimated amount of groundwater withdrawn each year:
    50,000 gal
    25,000 gal
    25,000 gal

11. The log of formations encountered in the drilling of each well if available:
    0-150 60 sand 60-90 soft shale 90-110 Marine Shale
    0-70 60 sand

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:
   Date: 12/27/63

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1947

Owner: [Name]
Address: [Address]

Contractor (if any): [Name]
Address of Contractor: [Address]

Date Started: [Date]
Date Completed: [Date]

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

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.

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

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

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1947

Owner: 
Address: 

Contractor (if any): Joseph M. Kooten
Address of Contractor: 

Date Started: January 47, Date Completed: January 47

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

Owner: 
Address: 

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. 

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

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

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

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

Filed in the office of the County Clerk and
Recorder of Judith County, State of Montana,
the 20th day of December, 1928.

A.D. 19... 9:33 A.M.

[Signature]
County Clerk of Judith

[Signature]
Deputy

 Fee Paid $3.00
GROUNDWATER INDEX

County  Garden
Twp.  14N  Rge.  33E

<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>30</td>
<td>Dutton, Bruce</td>
<td>5196112L</td>
<td></td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>Dutton, Bruce</td>
<td>5196111I</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

MONTANA BUREAU OF MINES AND GEOLOGY

WATER WELL LOG

Owner: Bruce Dutton  Address: Sand Springs, Montana
Driller: McConnell Bros  Address: Roundup, Montana

Date Started: 6/15/61  Date Completed: 6/19/61

Location: Sec. 30  T. 14N  R. 33E  1/4 sec. NW\NE

Type of well: drilled  Equipment used: cable

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

Casing: 0 ft. to 90 ft. Type: Galvanized  Size: 6 inch

Casing: 90 ft. to 15 ft. Type:  Size:
Casing: 15 ft. to 55 ft. Type:  Size:

Perforated or Screened: 15 ft. to 55 ft.  55 ft. to 75 ft.

Type of screen or perforations: slots

Static Water level, for non-flowing well: 18 feet from top feet.

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

Pumping water level feet at 15 gal. per min
bailer

How tested: 30 minutes
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>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>20</td>
<td></td>
<td>Clay &amp; Sand</td>
</tr>
<tr>
<td>20</td>
<td>48</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>48</td>
<td>50</td>
<td></td>
<td>Sandstone (water)</td>
</tr>
<tr>
<td>50</td>
<td>65</td>
<td></td>
<td>Shale</td>
</tr>
<tr>
<td>65</td>
<td>75</td>
<td></td>
<td>Shale &amp; hard streaks</td>
</tr>
<tr>
<td>75</td>
<td>80</td>
<td></td>
<td>Same more water</td>
</tr>
<tr>
<td>80</td>
<td>90</td>
<td></td>
<td>Shale</td>
</tr>
</tbody>
</table>
**Water Well Log**

**Owner:** Bruce Dutton  
**Address:** Sand Springs, Montana

**Driller:** McConnell Bros  
**Address:** Roundup, Montana

**Date Started:** 6/19/61  
**Date Completed:** 6/22/61

**Location:** Sec. 32 T. 11N R. 33E  
1/4 sec. SE 1/4

**Type of Well:** Drilled  
**Equipment Used:** 3/8 cable

**Water Use:** Stock

**Casing:** 0 ft. to 170 ft.  
Type: Galvanized  
Size: 6 inch

**Perforation or Screen:** 135 ft. from top

**Static Water Level:**  
**Shut-in Pressure:**  
**Pumping Water Level:** 1 lb.  
**Tested:** 30 minutes

**Remarks:**

---

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 5</td>
<td>top soil</td>
</tr>
<tr>
<td>5 - 130</td>
<td>Shale</td>
</tr>
<tr>
<td>130 - 165</td>
<td>Sandwater</td>
</tr>
<tr>
<td>165 - 170</td>
<td>Shale</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
</tr>
<tr>
<td>------</td>
<td>----------------------</td>
</tr>
<tr>
<td>11</td>
<td>Mary Jones</td>
</tr>
<tr>
<td>23</td>
<td>Lee Smith</td>
</tr>
<tr>
<td>25</td>
<td>John Barrett</td>
</tr>
<tr>
<td>25</td>
<td>John Barrett, Jr.</td>
</tr>
<tr>
<td>25</td>
<td>Holly Barrett</td>
</tr>
<tr>
<td>27</td>
<td>Jeff Doe</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)

County 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: Domestic Garden and Livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1857

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 7 gpm

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Oct 15, 1866

8. The depth of water table: 180'

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: 70,000

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: John Hakes
Date: 12-27-63

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

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

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

23260
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
MONTANA WATER RESOURCES BOARD  

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL  
Developed after January 1, 1962  
(Chapter 237, Montana Session Laws, 1961, as amended)

This form to be prepared by driller and three copies to be filed by owner with 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.

---

**Top of Ground**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>164</td>
<td>SAND</td>
</tr>
</tbody>
</table>

---

**Equipment used**

Churn drill, rotary or other

---

**Type of well**

Drilled

---

**Date well started**

Jan 19, 1975 - 3:30 pm

---

**Owner**

**Address**

Spald Springs

---

**Driller's Signature**

**Driller's Address**

---

**LICENSE NO**

---

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

---

**PERFORATIONS**

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>164</td>
<td>164</td>
</tr>
</tbody>
</table>

---

**Remarks:**

Gravel packing, cementing packers, type of shutoff

---

Please answer all questions. If not applicable, so state, otherwise the form may be returned.
As the Administrator of the Groundwater Code for the State of Montana, please take note of the following special instructions, in order to properly protect your groundwater right.

**Special Instructions:**

Please provide, as indicated in red on the attached form, the dates the well development was started and completed.

Thank you.

---

### Equipment Used

- **Water Use:** Domestic □, Municipal □, Stock □, Irrigation □, Industrial □, Drainage □, Other □, Garden/Lawn □

<table>
<thead>
<tr>
<th><em>Describe:</em></th>
<th></th>
</tr>
</thead>
</table>

### USE:

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

### Estimated Annual Withdrawal

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Drilling</th>
<th>Perforations</th>
<th>Static Water Level</th>
<th>Pumping Water Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>4 in.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Drilled Weight:** (Feet) (Feet)
- **Perforations:** (Feet) (Feet)

<table>
<thead>
<tr>
<th>Hole</th>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>12</td>
</tr>
<tr>
<td>2</td>
<td>14</td>
</tr>
</tbody>
</table>

- **Static water level:** 112 ft.
- **Pumping water level:** 112 ft.

- **At:** 3 gallons per minute, measured minutes after pumping began.

- **Measured from ground level.**

### Well Developed by

- **Power:** Pumped for 24 hours.

### Remarks:

- Gravel packing, cementing, packers, type of shale (if any).
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

<table>
<thead>
<tr>
<th>Owner</th>
<th>Date well started</th>
<th>Type of well</th>
<th>Equipment used</th>
<th>Water Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Name)</td>
<td>8-9-72</td>
<td>DUGED</td>
<td>Rotary (Hammer drill, rotary or other)</td>
<td>Domestic</td>
</tr>
</tbody>
</table>

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.

Driller's Signature

Driller's Address

LICENSE NO. 29

164 Show exact depth of bottom

51, 387
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Forrest Gregg
Address: [Address]

Driller: Don Strand
Address: [Address]

Date Started: 6-23-61
Date Completed: 6-28-61

Location: Sec. 25, T. 14, R. 134 1/4 sec.

Type of well: Drilled
Equipment used: Churn drill

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

Casing: 0 ft. to 185 ft. Type: [ ] Size: 6 in.
Casing: 13.6 ft. to 156 ft. Type: perforated Size: 6 in.
Casing: [ ] ft. to [ ] ft. Type: [ ] Size: [ ]

Perforated or Screened: Ft. to Ft. 16.2 Ft. [ ] to Ft.

Type of screen or perforation: Factory slots

Static Water level, for non-flowing well: [ ] ft. from top

Shut-in pressure, for flowing well: lb./sq. in. on: [date]

Pumping water level: [ ] feet at [ ] gal. per min

How tested: [ ]

Length of test: [ ] hrs.

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 - 15</td>
<td>Lapsial</td>
</tr>
<tr>
<td>15 - 35</td>
<td>Sand</td>
</tr>
<tr>
<td>35 - 37</td>
<td>Sandy Clay Shale</td>
</tr>
<tr>
<td>37 - 38</td>
<td>Dark Grey Shale</td>
</tr>
<tr>
<td>38 - 89</td>
<td>Thin strands of water and light peat</td>
</tr>
<tr>
<td>89 - 12</td>
<td>Sticky Clay Shale</td>
</tr>
<tr>
<td>42 - 44</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>44 - 62</td>
<td>Soft Grey Shale</td>
</tr>
<tr>
<td>62 - 70</td>
<td>Bentonit</td>
</tr>
<tr>
<td>70 - 72</td>
<td>Black shale</td>
</tr>
<tr>
<td>72 - 92</td>
<td>Soft Grey Shale</td>
</tr>
<tr>
<td>92 - 99</td>
<td>Sand with moisture - 29 g per min</td>
</tr>
<tr>
<td>99 - 104</td>
<td>Soft Brown Shale</td>
</tr>
<tr>
<td>104 - 110</td>
<td>Soft Grey Shale</td>
</tr>
<tr>
<td>110 - 118</td>
<td>Sandy Grey Shale</td>
</tr>
<tr>
<td>118 - 124</td>
<td>Brown Shale</td>
</tr>
<tr>
<td>124 - 130</td>
<td>Dry soft sand</td>
</tr>
<tr>
<td>130 - 140</td>
<td>Soft Grey Shale</td>
</tr>
<tr>
<td>140 - 175</td>
<td>Water under - strands of coal and shale, called a 10 g per min.</td>
</tr>
<tr>
<td>175 - 185</td>
<td>Hard Grey Shale (Atchafalissian)</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. Forrest R. Grep
   (Name of Appropriator)
   of
   (Address)
   (Town)
   County of Garfield
   State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1, 1961.

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:
   End mill or pump.


8. The depth of water table:

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   Drilled well, valve 6 casing to a depth of 102 ft. Perforated casing from 13 ft. to 156 ft.

10. The estimated amount of groundwater withdrawn each year:
    4,000 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:

Doc. No.
Filed for record this 27 day of July, 1961.
A.D. 1961, at 9:00 a.m.

Signature of Owner.
Date: July 1, 1961.

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

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

48173
865

136150
A.W. Welaprop.
J.C. French, County R.
Public Sale.

STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, Copy of Mone?
Notarized 23 day of Jan.

Charles E. Longworth
County Clerk and Recorder

Alpa E. Armstrong
Registrar
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

(Name of Appropriator)
(Address)
(Town)

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

1. 

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

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

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

5. If used for irrigation, give the 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:

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: DAN KE
Address: JORDAN MONT
Driller: MERLE KENNEDY

Date of Notice of appropriation of groundwater: JUNE 21, 1967

Type of well: DRILLED Equipment used: ROTARY
(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 Well Drilled</th>
<th>Size and Weight of Drilling Equipment</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>20</td>
<td>20</td>
<td>20</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well...feet.
Shut-in Pressure for Flowing Well...
Pumping Water Level...feet.
Discharge in gal. per min. of flowing well...

How Tested...
Length of Test...
Remarks: (Gravel packing, cementing, pack 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: 29
Driller's Signature: JORDAN DUN

T, 14, R. 34, S 27

County: GLENSIDE

File No. ________________________

Approved Stock Form— Publishing Co., Helena, Montana 59642

File No. ________________________
## Groundwater Index

<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>26</td>
<td>Van Daniel &amp; Co. Mary</td>
<td>384</td>
<td>125-128</td>
<td></td>
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<tr>
<td>27</td>
<td>Van Daniel &amp; Co. Mary</td>
<td>394</td>
<td>125-129</td>
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<tr>
<td>28</td>
<td>Lippert, Ernest</td>
<td>379</td>
<td>125-125</td>
<td></td>
</tr>
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<td>29</td>
<td>Van Daniel</td>
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<td>30</td>
<td>Van Daniel &amp; Co. Mary</td>
<td>394</td>
<td>125-120</td>
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<td>31</td>
<td>Lippert, Ernest</td>
<td>379</td>
<td>125-125</td>
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<tr>
<td>32</td>
<td>Van Daniel &amp; Co. Mary</td>
<td>394</td>
<td>125-129</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Daniel C. and/or Mary Lee, of Sand Springs
   (Name of Appropriator) (Address) (Town)
   County of Garfield 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 purposes, and garden and yard irrigation.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Well 1, June 1959, well 2, uncertain—1940, continuous use from both.

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
   1. About 1 acre of garden area used by appropriator.

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   1. Pipe, cylinder, pump, jack and electric motor
   2. Jet water system

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

8. The depth of water table: 1. 110' to 130' 2. 10' to 30'

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. 130' of 30 ga. galv. steel casing, 125' of 14' galv. pipe and 27' of cylinders. 1½ x 1½ rod, cast iron pump head, Duplex. 2½ x 3½ pump jack. 1/4 h.p. electric motor and 150 gal. steel trough. 2. 20' hand dug and rock well with Ward's 1 h.p. automatic jet water system.

10. The estimated amount of groundwater withdrawn each year: 1. Up to 2500 gal. per day, 2. 500 gal. daily.

11. The log of formations encountered in the drilling of each well if available: 0. to 5. Topsoil, 5 to 6. sand rock, 6 to 41. muddy shale, 41 to 42. blue shale, 42 to 78. brown shale, 78 to 90. sticky dark shale, 90 to 95. coarse gray sand or shale, 95 to 119. gray shale, 119 to 124. blue sandy shale & water above 10 gal. per min. 124 to 150. gray shale, 150. Topsoil, sandy yellow shale & blue 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:

Signature of Owner: Daniel C. Lee
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 Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
the 20 day of April
A. D. 18, 63

S. C. Murray
County Clerk and Recorder

Filed No. 2.00

[Signature]
MONTANA BUREAU OF MINES AND GEOLOGY  
Bozeman, Montana

WATER WELL LOG

Owner: Dan & Mary Kea  
Address: Ingomar, Montana

Driller: Don Strand  
Address: Roundup, Montana

Date Started: June 25, 1958  
Date Completed: June 30, 1958

Location: Sec. 26  
T. 11N  
R. 35E  
½ sec. NE 3/4

Type of well: Drilled  
Equipment used: Churn drill

Water use: Domestic  
Municipal  
Stock  
Irrigation  
Industrial  
Drainage  
Other:

Casing: 0 ft. to 130 ft. Type: Galvanized Size: 6 inch

Pumping water level: feet at 10 gal. per min

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

(over)
<table>
<thead>
<tr>
<th>Depth, ft</th>
<th>Top</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>5</td>
<td>Topsoil</td>
</tr>
<tr>
<td>5</td>
<td>6</td>
<td>Sand rock</td>
</tr>
<tr>
<td>6</td>
<td>22</td>
<td>Sandy yellow shale</td>
</tr>
<tr>
<td>22</td>
<td>31</td>
<td>Sandy brown shale</td>
</tr>
<tr>
<td>31</td>
<td>41</td>
<td>Sandy yellow shale</td>
</tr>
<tr>
<td>41</td>
<td>42</td>
<td>Blue shale</td>
</tr>
<tr>
<td>42</td>
<td>47</td>
<td>Sandy brown shale</td>
</tr>
<tr>
<td>47</td>
<td>64</td>
<td>Sticky brown shale</td>
</tr>
<tr>
<td>64</td>
<td>78</td>
<td>Brown shale — 18 inches layers of sand</td>
</tr>
<tr>
<td>78</td>
<td>89</td>
<td>Sticky dark shale</td>
</tr>
<tr>
<td>89</td>
<td>90</td>
<td>Sticky dark shale</td>
</tr>
<tr>
<td>90</td>
<td>91</td>
<td>Coarse grey sand</td>
</tr>
<tr>
<td>91</td>
<td>94</td>
<td>Sandy shale, grey</td>
</tr>
<tr>
<td>94</td>
<td>96</td>
<td>Coarse grey sand</td>
</tr>
<tr>
<td>96</td>
<td>119</td>
<td>Grey shale — streaks of sand</td>
</tr>
<tr>
<td>119</td>
<td>12h</td>
<td>Blue sandy shale, water above, 10 gal per min</td>
</tr>
<tr>
<td>12h</td>
<td>130</td>
<td>Grey shale</td>
</tr>
<tr>
<td>Water Use</td>
<td>Domestic</td>
<td>Municipal</td>
</tr>
<tr>
<td>----------------</td>
<td>----------</td>
<td>-----------</td>
</tr>
<tr>
<td>Casing:</td>
<td>0 to 150</td>
<td>0 to 150</td>
</tr>
<tr>
<td>Type</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shale</td>
<td></td>
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<tr>
<td>Perforated or Screened</td>
<td>10 ft to 10 ft</td>
<td>10 ft to 10 ft</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
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<td></td>
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<tr>
<td>Remarks:</td>
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<td></td>
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<tr>
<td>Well testing</td>
<td></td>
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</tr>
<tr>
<td>Length of test</td>
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</tr>
<tr>
<td>Remarks:</td>
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<tr>
<td>Well testing</td>
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</tr>
<tr>
<td>Date Started</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Location:</td>
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<td></td>
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<tr>
<td>Remarks:</td>
<td></td>
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</tr>
<tr>
<td>Test No.</td>
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<tr>
<td>Remarks:</td>
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<tr>
<td>Test No.</td>
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<td>Remarks:</td>
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<td>Test No.</td>
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<tr>
<td>Remarks:</td>
<td></td>
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<tr>
<td>Test No.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
<td></td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
<td></td>
</tr>
<tr>
<td>0 - 3</td>
<td>Top soil</td>
<td></td>
</tr>
<tr>
<td>3 - 7</td>
<td>Sandstone</td>
<td></td>
</tr>
<tr>
<td>7 - 15</td>
<td>Soft sand</td>
<td></td>
</tr>
<tr>
<td>15 - 26</td>
<td>Yellow clay</td>
<td></td>
</tr>
<tr>
<td>26 - 33</td>
<td>Brown shale</td>
<td></td>
</tr>
<tr>
<td>33 - 41</td>
<td>Gray shale</td>
<td></td>
</tr>
<tr>
<td>41 - 49</td>
<td>Blue shale</td>
<td></td>
</tr>
<tr>
<td>49 - 58</td>
<td>Sand shale</td>
<td></td>
</tr>
<tr>
<td>58 - 69</td>
<td>Fray shale</td>
<td></td>
</tr>
<tr>
<td>69 - 71</td>
<td>Sand Shale</td>
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<tr>
<td>71 - 74</td>
<td>Brown shale</td>
<td></td>
</tr>
<tr>
<td>74 - 79</td>
<td>Sandy shale</td>
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<tr>
<td>79 - 83</td>
<td>Blue shale</td>
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<tr>
<td>83 - 106</td>
<td>Sandy shale</td>
<td></td>
</tr>
<tr>
<td>106 - 117</td>
<td>Brown shale</td>
<td></td>
</tr>
<tr>
<td>117 - 12h</td>
<td>Fray Gray shale</td>
<td></td>
</tr>
<tr>
<td>12h - 139</td>
<td>Sandy shale</td>
<td></td>
</tr>
<tr>
<td>139 - 147</td>
<td>Brown shale</td>
<td></td>
</tr>
<tr>
<td>147 - 152</td>
<td>Water-sand-2 gal per min</td>
<td></td>
</tr>
<tr>
<td>152 - 165</td>
<td>Sandy &amp; Shale</td>
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</tr>
<tr>
<td>165 - 17h</td>
<td>Water-sand 10 gal per min</td>
<td></td>
</tr>
<tr>
<td>17h - 185</td>
<td>Sand &amp; shale</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

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

Owner: Daniel Lee
Address: West Branch, MT

Driller: Jones Drilling Service
Address: Jordan, MT

Date of Notice of appropriation of groundwater: ____________________________
Date well started: 5-9-70
Date completed: 5-9-70

Type of well drilled: Dug
Equipment used: Rotary

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>Stratum</th>
<th>Depth at which encountered</th>
<th>Thickness</th>
<th>Character</th>
<th>Height to which rises</th>
</tr>
</thead>
<tbody>
<tr>
<td>15' 15. brown shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>84' 87' rock</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>87' 9' sand</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>95' 100' shale</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 40 feet.
Shut-in Pressure for flowing well: 75 feet.
Discharge in gal. per min. of flowing well: 10 gal. per minute.

Length of Test: 300 feet.
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.

USE: If used for irrigation, irrigation, another data (i.e.: Lot, Block and Addition).

Driller's License Number: ____________________________
Driller's Signature: ____________________________

Filling this form requires the 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. These copies are to be retained by driller.

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

File No.: ____________________________

County: Garfield

MONTANA WATER RESOURCES BOARD
RECEIVED
MAY 19 1970

G. I. Smith
MONTANA WATER RESOURCES BOARD

T. H. K. B. 328 E

H. W. W.
Recently a copy of a groundwater appropriation form,

   _GW 1_, Notice of Appropriation of Groundwater
   _GW 2_, Notice of Completion of Groundwater Appropriation by means of Well
   _GW 3_, Notice of Completion of Groundwater Appropriation without Well
   _GW 4_, Declaration of Vested Groundwater Rights (This form is obsolete and was limited by law to use only through 1965)

was forwarded to this office by the County Clerk and Recorder.

This form is identified by

Owner: Daniel Kee                  Address: Sand Springs, Montana

Location:                     Document No.: 135203

This is to inform you that your GW form has been received and is complete as filed.

_X_ This is a request for additional information if available. Please complete the enclosed copy by providing information where indicated, or as noted here and return the corrected copy to the Montana Water Resources Board in Helena.

Please indicate the location.

_X_ Other.

MONTANA WATER RESOURCES BOARD
RECEIVED
JUN 23 1970

Show exact depth of bottom.

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).

Driller's License Number

Driller's Signature: 46452
Notice of Completion of Groundwater Appropriation by Means of Well
Developed After January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Daniel Rea
Address: 1148 Macon St., Missoula, Montana
Wells Drilled: 1
Date of Notice of appropriation of groundwater: 5-7-70
Date well started: 5-7-70
Date completed: 5-7-70
Type of well: Drilled
Equipment used: Rotary
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 Holes</th>
<th>Size and Weight of Casing</th>
<th>Form</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 in.</td>
<td>Plastic</td>
<td>1</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 40 feet.

Shut-in Pressure for Flowing Well: 2 ft.

Pumping Water Level: 7.2 ft.

at: 10 gal. per minute.

Discharge in gal. per min. of flowing well: 2.2 gal.

How Tested: 7.2 gal.

Length of Test: 2.2 gal.

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

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

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

Show exact depth of bottom.

This form to be prepared by driller, and three copies to be 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: 29
Driller's Signature: [Signature]

MONTANA WATER RESOURCES BOARD
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION BOARD

Notice of Completion of Groundwater
Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Daniel C. and/or Mary Kee, of Sand Springs
   (Name of Appropriator) (Address) (Town)
   County of Garfield 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—summer of 1956
   continuous use

4. The amount of groundwater claimed (in miner's inches or gallons per minute): about 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—used for irrigation

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

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

8. The depth of water table: not certain—50 to 60 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   4\" steel casing to about 70 feet
   1\" pipe and 21\" cylinder to about 60 feet
   pump jack and electric motor with automatic float system and 500 gallon steel tank

10. The estimated amount of groundwater withdrawn each year: about 1500 gallons per day

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: Daniel C. Kee
Date: Dec. 30, 1963

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

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

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

23387
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana.

A.D. 191

Chas. E. Courlander
County Clerk and Recorder

Fee Paid $7.00
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>Paul Robinson</td>
</tr>
<tr>
<td>Address</td>
<td>Ingomary, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Don Strand</td>
</tr>
<tr>
<td>Address</td>
<td>Roundup, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>7/14/58</td>
</tr>
<tr>
<td>Date Completed</td>
<td>7/28/58</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 34, T. 11N, R. 35E, M sec. 832</td>
</tr>
<tr>
<td>Type of well</td>
<td>Dug</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Spudger</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
</tr>
<tr>
<td>Industrial</td>
<td>No</td>
</tr>
<tr>
<td>Municipal</td>
<td>No</td>
</tr>
<tr>
<td>Stock</td>
<td>No</td>
</tr>
<tr>
<td>Irrigation</td>
<td>Yes</td>
</tr>
<tr>
<td>Casing: 0 ft. to</td>
<td>425 ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td></td>
</tr>
<tr>
<td>Perforated or Screened: Ft.</td>
<td>52 to 55</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>From 185 to 197 ft</td>
</tr>
<tr>
<td>Static Water level, for non-flowing wells</td>
<td>33 feet of top</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>lb/sq. in. on:</td>
</tr>
<tr>
<td>(date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>130-140 feet at</td>
</tr>
<tr>
<td>How tested</td>
<td>Baler</td>
</tr>
<tr>
<td>Length of test</td>
<td>4 hour</td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 15</td>
<td>Topsoil</td>
</tr>
<tr>
<td>15 - 16</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>16 - 28</td>
<td>yellow clay</td>
</tr>
<tr>
<td>28 - 54</td>
<td>grey shale, very sticky</td>
</tr>
<tr>
<td>54 - 55</td>
<td>grey, 3/4, 3/4, 3/4, 3/4 gal</td>
</tr>
<tr>
<td>55 - 104</td>
<td>sticky grey shale</td>
</tr>
<tr>
<td>107 - 128</td>
<td>hard grey rock</td>
</tr>
<tr>
<td>128 - 129</td>
<td>grey sand - water - 3 gal</td>
</tr>
<tr>
<td>129 - 173</td>
<td>sticky grey shale</td>
</tr>
<tr>
<td>173 - 174</td>
<td>hard grey rock</td>
</tr>
<tr>
<td>174 - 175</td>
<td>Grey sand - water 1/2 gal</td>
</tr>
<tr>
<td>175 - 176</td>
<td>sticky grey shale</td>
</tr>
<tr>
<td>176 - 196</td>
<td>Grey sand - water</td>
</tr>
<tr>
<td>196 - 215</td>
<td>grey shale</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED RIGHTS 
(UNDER CHAPTER 237, MONTANA STATUTES, 1961)

County of Colesfield, State of Montana,

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

1. Name of Appropiator: [Name of Appropriator]
   Address: [Address]
   Town: [Town]

2. The beneficial use on which the claim is based: [Beneficial Use]

3. Date or approximate date of earliest beneficial use: [Date of Use]

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

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: [Irrigation Details]

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

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

8. The depth of water table: [Water Table 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: [Well Specifications]

10. The estimated amount of groundwater withdrawn each year: [Withdrawal Amount]

11. The log of formations encountered in the drilling of each well if available: [Formation Log]

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

Signature of Owner: [Signature]

Date: [Date]

These 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 of Applicator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Kramer &amp; Co.</td>
<td>4.2</td>
<td>155425</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Kramer &amp; Co.</td>
<td>4.7</td>
<td>155731</td>
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</tr>
<tr>
<td>1</td>
<td>Kramer &amp; Co.</td>
<td>4.8</td>
<td>155815</td>
<td></td>
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</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER GOODs
MONTANA WATER資源 BOARD
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962

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

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

Owner: Ford Penner
Address: Carson, Mont.
Date well started: 9-6-70

Type of well: Drilled
Equipment used: Rotary
Water Use: Stock

*Describe

Est. annual withdrawal

Top of Ground

<table>
<thead>
<tr>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Size of Well (Inches)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shallow</td>
<td>Deep</td>
<td>1 140</td>
</tr>
<tr>
<td></td>
<td></td>
<td>10 ft.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30 ft.</td>
</tr>
</tbody>
</table>

Static water level: 6.5 ft.
Pumping water level: 8.4 ft.

Power: Submersible Pump

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

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

Driller's Signature: W. W. Wood

License No.: 29

Show exact depth of bottom.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana.

[Signature]
County Clerk and Recorder

[Signature]
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)

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

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

Date well started: 7-7-70

Type of well: drilled

Equipment used: rotary

Water Use: Domestic □, Municipal □, Stock □, Irrigation □, Industrial □, Drainage □, Other □, Garden/Lawn □

*Describe: ...

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Site of Drilled</th>
<th>Water of casing</th>
<th>Perm. (Feet)</th>
<th>Sold. (Feet)</th>
<th>Top (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Perm. (Feet)</td>
<td>Sold. (Feet)</td>
<td>Top (Feet)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>110</td>
<td>10</td>
<td>6</td>
</tr>
</tbody>
</table>

Static water level: 25 ft.

Pumping water level: 40 ft.

Power: Submersible Pump

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

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

Each small square represents 40 acres.

Driller's Signature: __________________________

Driller's Address: __________________________

LICENSE NO. 25
STATE OF MONTANA
County of Fairfield

Filed in the office of the County Clerk and
Register of Deeds of Flathead County, State of Montana.

22nd day of Nov.,

Charles (Vigilant) (Signature)
County Clerk and Register
by

Alpha (Armstrong) (Signature)
Deputy

File No. 200
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD

NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962
(Under Chapter 237 Montana Session Law, 1961, as amended)

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

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

Owner: C. A. Kamm
Address: 6405 1st Avenue, Billings, Montana

Date well started: 10-29-70
Date well completed: 10-31-70

Type of well: Drilled
Equipment used: Rotary (Chum drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Field (Acres)</th>
<th>Size and Weight of Cylinder</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>OPERATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>113</td>
<td>163</td>
<td>103 162</td>
</tr>
</tbody>
</table>

Static water level: 60 ft.
Pumping water level: 105 ft.

Pumping at: 30 gallons per minute, measured 10 minutes after pumping began.

*Measured from ground level.

Power: 5 HP
Remarks: (Gravel packing, cementing, packers, type of shutoff)

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

Driller's Signature: Alana Huling Carrier
Driller's Address: Jordan, Montana

LICENSE NO. 29
<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>35</td>
<td>Brooks Company</td>
<td>N/A</td>
<td>125020</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

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

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

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

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 means 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
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
the... day of..., 19...

R. B. [signature]
County Clerk and
Record

[Signature]
[Signature]
### Groundwater Index

**County:**  
- Dayton

**Township:** 14

**Range:** 39

<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>10</td>
<td>Bond Thomas A. Jack 2</td>
<td>AA4</td>
<td>123409</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Johnson Marcus A.</td>
<td>AA4</td>
<td>125658</td>
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<tr>
<td>29</td>
<td>Johnson Marcus B.</td>
<td>AA4</td>
<td>125056</td>
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<tr>
<td>30</td>
<td>Panchbury Almav</td>
<td>AA4</td>
<td>125418</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

Thomas W. Coil, Jack G. Coil
and Robert F. Coil

(Name of Appropriator)

Garfield

(Address)

Garfield

(Town)

Montana

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 is...domestic...

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

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...

Section 10, Township 14 N., Range 32 E. Water is withdrawn by electric pump...

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...The well on Section 10 was started and completed in May, 1960...

8. The depth of water table...Well is 75'-deep...

9. To the nearest practical point of appropriation and place of use, if possible...Each small square represents 10 acres...

10. The estimated amount of groundwater withdrawn each year...800,000 gallons per year...

11. The log of formations encountered in the drilling of each well if available...O-E'. Topsoil...

5-75'-Sand, Water sand, coal streaks. Water at 75'...

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

Name of Appropriator: Marshall Johnson
Town: Cohagen, Montana

County of Saxfield
State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how many times the water has been used every summer:
   1957—used every summer

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

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

6. The means of withdrawal of groundwater from the ground and the location of each well or other means of withdrawal:
   Pump and motor

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

8. The depth of water table:
   15 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:
   4 in. well 12 ft. deep with culvert 14 ft. deep

10. The estimated amount of groundwater withdrawn each year: 75,000 gallons

11. If used for irrigation, the log of formations encountered in the drilling of each well if available:
   None

12. Any 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: Marshall Johnson
Date: Dec. 30, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; TriPLICATE to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Garfield

Filed in the office of the County Clerk and
Recorder of Garfield County, State of Montana,
this______ day of______, 19__

A. D. 18____ at____ o'clock____ M.

__________________________________________
County Clerk and Recorder

by __________________________
Deputy

Fee Paid $____.00