<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Louis A. Karen</td>
<td>GW4</td>
<td>82609</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Dean A. Nason</td>
<td>GW3</td>
<td>92420</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Oak Creek Ranch Co.</td>
<td>601</td>
<td>74577</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Oak Creek Ranch Co.</td>
<td>1561</td>
<td>79576</td>
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</tr>
<tr>
<td>5</td>
<td>Pajaro Pajaro</td>
<td>GW2</td>
<td>52196</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Pajaro Pajaro</td>
<td>GW4</td>
<td>52197</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Dave Pajaro</td>
<td>GW2</td>
<td>89645</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Elaine Harris</td>
<td>GW4</td>
<td>82181</td>
<td></td>
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<tr>
<td>9</td>
<td>Oak Creek Ranch Co.</td>
<td>1461</td>
<td>75574</td>
<td></td>
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<tr>
<td>10</td>
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<td>1661</td>
<td>79573</td>
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<tr>
<td>11</td>
<td>Vernon M. Harris</td>
<td>GW3</td>
<td>82479</td>
<td></td>
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<tr>
<td>12</td>
<td>Lee Harris</td>
<td>GW3</td>
<td>82856</td>
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<td>13</td>
<td>Vernon M. Harris</td>
<td>GW3</td>
<td>82479</td>
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<td>Evelyn Williams</td>
<td>GW3</td>
<td>85057</td>
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<td>15</td>
<td>Evelyn Williams</td>
<td>GW3</td>
<td>85058</td>
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<td>16</td>
<td>W. R. Kelche</td>
<td>GW4</td>
<td>82179</td>
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<tr>
<td>17</td>
<td>Mission Ranch</td>
<td>GW1974</td>
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<td>18</td>
<td>Hudspeth Ranch</td>
<td>GW3</td>
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<td>19</td>
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<td>20</td>
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<tr>
<td>21</td>
<td>Al Thomas</td>
<td>GW2</td>
<td>82100</td>
<td></td>
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<tr>
<td>22</td>
<td>Mike Davis</td>
<td>GW2</td>
<td>82947</td>
<td></td>
</tr>
<tr>
<td>23</td>
<td>Howard Ranch</td>
<td>GW3</td>
<td>52315</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>Howard Ranch</td>
<td>GW3</td>
<td>52315</td>
<td></td>
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<td>25</td>
<td>Howard Ranch</td>
<td>GW3</td>
<td>52315</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Rich Creek Ranch</td>
<td>GW2</td>
<td>82100</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Rich Creek Ranch</td>
<td>GW2</td>
<td>82100</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Rich Creek Ranch</td>
<td>GW2</td>
<td>82100</td>
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<td>29</td>
<td>Rich Creek Ranch</td>
<td>GW2</td>
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<tr>
<td>30</td>
<td>Rich Creek Ranch</td>
<td>GW2</td>
<td>82100</td>
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<tr>
<td>31</td>
<td>Rich Creek Ranch</td>
<td>GW2</td>
<td>82100</td>
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</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. Lewis A. Larson, of Big Timber
   (Name of Appropriator) (Address) (Town)

2. Drinking Water and livestock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been.
   3/1/1959 to 12/31/1963
   Completed 6/15/1948
   Drilled by J. W. Alexander

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

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
   Completed 6/15/1948
   Drilled by J. W. Alexander

8. The depth of water table
   31 ft at testing

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 capacity 50 gpm 6 in.
   Eight of well 150 ft

10. The estimated amount of groundwater withdrawn each year
    200,000

11. The log of formations encountered in the drilling of each well if available
    Drilled by J. W. Alexander

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 12-10-1963

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
ADMINISTRATOR OF WATER CODE
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION

TITUS WELL
(Under Chapter 237 Montana Session Laws, 1961)

JAN 20 1964

STATE ENGINEER

Date of appropriation of groundwater.
Owner: __________________ Address: __________________

Contractor: __________________ City/County:

Address of Contractor: __________________

Date Started: __________________ Date Completed: __________________

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

From the surface...

by Groundwater...

Quantity of water developed and used with explanation of method used to measure or estimate such amount. Include depth to water when applicable.

Signed: __________________

Date: __________________

STATE OF MONTANA
COUNTY OF MISSOURI


Above authority, having first been duly sworn, depose, declare and say, that he is of lawful age and the appropriator and claimant of the land and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is subscribed thereto, as the appropriator and claimant, and that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this day of ______, 19______

Notary Public for the State of Montana
Residing at __________________

My commission expires: __________________
Form No. 18
8-60

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Ash Creek Ranch Co
Address: Melville, Mont

Driller: Herbert E. Bogley
Address: 

Date Started: 
Date Completed: 

Location: Sec. 3 T. 2N R. 15E 1/4 sec.

Type of well: 
Equipment used: 

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

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

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

Type of screen or perforations: 

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

Pumping water level feet at gal. per min.

How tested: 

Length of test: 

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

Flow of Spring 10 minor inches

(over)
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Ash Creek Ranch G.  Address: Mitchell, Mont.
Driller: ___________  Address: _______________________
Date Started: ___________  Date Completed: ___________
Location: Sec. 27 T. 27 R. 156 ½ sec.

Type of well: ___________  Equipment used: _______________________

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

Casing: ___________ ft. to ___________ ft.  Type ___________  Size ___________
Casing: ___________ ft. to ___________ ft.  Type ___________  Size ___________
Casing: ___________ ft. to ___________ ft.  Type ___________  Size ___________

Perforated or Screened: Ft. ___________ to Ft. ___________. Ft. ___________ to Ft. ___________.

Type of screen or perforations: _______________________

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

Shut-in pressure, for flowing well: ___________ lb./sq. in. on: ___________

Pumping water level ___________ feet at ___________ gal. per min.

How tested: _______________________

Length of test: _______________________

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

3 springs  Flow: 31 'Perer Incl.
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: 1-21-63
Owner: ____________________________
Address: ____________________________
Contractor (if any): ____________________________
Address of Contractor: ____________________________
Date Started: __________ Date Completed: __________

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

Option 1: Gravity

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: ____________________________
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 work 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 Appraiser.
STATE OF MONTANA
County of Sweet Grass

Filed the 21st day of March, A.D. 1967

of 8110 acres

Walt Hanson
County Clerk

By.

Deputy
STATE OF MONTANA
ADVISOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Bjarni Bjarnardal, of Sweet Grass, 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: Irrigation

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1940

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

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

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

   7. The date of commence ment and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1941

   8. The depth of water table: 20 ft below the surface

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

   10. The estimated amount of groundwater withdrawn each year: 2,000,000 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:

   Signature of Owner Bjarni Bjarnardal
   Date: 12-20-1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
DEVELOPED AFTER JANUARY 1, 1963
(Under Chapter 237 Montana Session Laws, 1961, as amended)

Owner: Dana Bjardsdal
Address: Melville, Montana
Date of Notice of appropriation of groundwater: [Date]

Type of well: Drilled
Equipment used: churn drill
Water use: Domestic

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, character and water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Size of Bore Hole</th>
<th>Size and Weight of Drilling Equipment</th>
<th>From</th>
<th>To</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 inches</td>
<td>18 ft</td>
<td>14</td>
<td>20</td>
<td>NONE</td>
</tr>
<tr>
<td>1/2 inch</td>
<td>13 ft</td>
<td>4</td>
<td>16</td>
<td>55</td>
</tr>
<tr>
<td></td>
<td></td>
<td>65</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 10 feet
Shut-in Pressure for Flowing Well: 157 feet
Pumping Water Level: 157 feet
Discharge in gal. per min. of flowing well: 5 gal. per minute

How Tested: Daily
Length of Test: [Date]
Remarks: (Gravel packing, cementing, packers, type of abutment)

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).

[Diagram]

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. This copy to be retained by driller.

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

[Date: 4/5/70]
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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

County of Summit, 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 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.
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Field</th>
<th>Information</th>
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<tbody>
<tr>
<td>Form No. 18</td>
<td>8-60</td>
</tr>
<tr>
<td>T.</td>
<td>2 N</td>
</tr>
<tr>
<td>R.</td>
<td>15 E</td>
</tr>
<tr>
<td>Owner</td>
<td>Mrs. C. Bond &amp; Co.</td>
</tr>
<tr>
<td>Address</td>
<td>Melville</td>
</tr>
<tr>
<td>Driller</td>
<td></td>
</tr>
<tr>
<td>Date Started</td>
<td></td>
</tr>
<tr>
<td>Date Completed</td>
<td></td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>8</td>
</tr>
<tr>
<td>Type of well</td>
<td>Dug (drilled, or driven)</td>
</tr>
<tr>
<td>Equipment used</td>
<td>By Hand</td>
</tr>
<tr>
<td>Water use:</td>
<td>Domestic [X] Municipal [ ] Stock [ ] Irrigation [ ] Industrial [ ] Drainage [ ] Other [ ]</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to ft.</td>
</tr>
<tr>
<td>Perforated or Screened:</td>
<td>Ft. to ft.</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>8 feet.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on:</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>8 feet at 2 gal. per min.</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td>Dug well 20' deep. Water level 8 ft. above. Used electric pump for house use &amp; irrig. lawn</td>
</tr>
<tr>
<td>(over)</td>
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## Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
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</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
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</tbody>
</table>

STATE OF MONTANA

[Signature]

A. R. W.
### Water Well Log

**Location:** Sec. 9 T. 27 R. 15 E

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
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<tbody>
<tr>
<td>Herbert E. Bryan</td>
<td>Butte, Montana</td>
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<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>(Dew, driven, box, or drilled)</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<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>
<th></th>
</tr>
</thead>
</table>

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

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

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

<table>
<thead>
<tr>
<th>How tested:</th>
<th></th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2 flows of spring</td>
<td>22</td>
</tr>
</tbody>
</table>

(over)
Form No. 18 8-60

<table>
<thead>
<tr>
<th>T. 2 N</th>
<th>R. 15 E</th>
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</thead>
<tbody>
<tr>
<td>County</td>
<td>Sweetgrass</td>
</tr>
</tbody>
</table>

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG
STATE ENGINEER

Owner: Apf Cline Ranch Co
Address: Mibelle

Driller: Address:

Date Started Date Completed

Location: Sec. 10 T. 2 N R. 15 E 4 sec.

Type of well: Spring
Equipment used: (Shovel, drill, rotary, other)

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

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

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

Type of screen or perforations

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

Pumping water level feet at gal. per min.

How tested:

Length of test

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

Flow of Spring 11 Mgrs. anhke

(over)
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION
WITHOUT WELL
(Under Chapter 237, Session Laws, 1961)

Date of appropriation of Groundwater: 12/31/63

Owner: 
Address: 

Contractor (if any): 
Address of Contractor: 

Date Inputed: 
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 No. 1 has a steel collection box 2' x 4' x 2' set in at spring source then piped to stock tank; No. 2 has concrete tile box 1½ inches diameter 3 ft high set over the spring then piped to tank.

Quantity of water developed and used with explanation of action used to measure or estimate such amount.

If use is intermittent, estimate approximate lengths of periods of use No. 1 250 gpm year around and No. 2 75 gpm both watering 100 head of cows.

Signature of Owner: 
Date: 12/31/63


STATE OF MONTANA
COUNTY OF 

being first been duly sworn, depose and say, that he of lawful age and the appropriator and claimant of the order and water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is subscribed thereto, as the appropriator and claimant, that he knows the contents of said foregoing notice and that the matters and things therein stated are true.

Subscribed and sworn to before me, this 31st day of 

Notary Public for the State of Montana
Riding at 

My Commission expires
STATE OF MONTANA
COUNTY OF

December 18

JAN

4:25 P.M.

Anne Lanza

By

In the County of

82479
NOTICE OF COMPLETION OF CONSTRUCTION APPROPRIATION

JAN 29 1964

STATE OF INDIANA
COUNTY OF HUNTINGTON
TOWN OF HUNTINGTON

Notice of completion of construction appropriation

Date of appropriation of groundwater: 12-30-63

Owner: George L. Morris
Address: Noblesville, IN

Contractor (if any): None
Address of Contractor: None

Date Construction Completed: None

Describe source of obtaining groundwater without a well and by sub-irrigation and other natural processes; include depth to water, plan, package, gravity flow, springs originating, from underground source:

Quantity of water developed and used with explanation of method used to measure or estimate such amount, if used is insufficient estimate appropriate:

地块

30 ft. per minute, used for stock water

Signature of Owner: George L. Morris
Date: Jan. 29 1964

By

Commissioner of the State of Indiana

[Signature]
STATE OF MONTANA
COUNTY OF SWEET GRASS

DEPARTMENT OF REVENUE
OFFICE OF STATE ENGINEER

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION WITHOUT WELL
(Under Chapter 237 Montana Session Laws, 1961)

Date of appropriation of Groundwater: 12/31/63
Owner: Lumen M. Leavitt Address: Melville
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 where applicable. Spring is developed with rock filled in as spring source and pipe from spring to stock tank.

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

Spring flow: 7 ppm

Acreage used: Year around watering

100 head of cows.

Signature of Owner: Raymond Leavitt
Date: 12/31/63

I, having first been duly sworn, do deposes and say that he of lawful age and the appropriator of the water right mentioned in the foregoing notice of completion of groundwater appropriation without well and the person whose name is subscribed thereto, as the appropriator and claimant, do know the contents of said foregoing notice and that the matters and things therein stated are true.

Raymond Leavitt

Attorney for the State of Montana
Residing at Big Powder River
By Commission expires Jan. 1, 1967

33555
**Notice of Completion of Groundwater Appropriation Without Well**

Developed After January 1, 1962

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: December 3, 1965

Owner: Evelyn Wilson

Address: Big Timber, Mont.

Contractor (if any): 

Address of Contractor: 

Date Started: Date Completed: 

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.): Gravity

2) Means of withdrawing water (gravity, pump, canal, etc.): Gravity

3) Depth of water table: 

4) Use of the water: 

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): 40 gals per minute

6) If used for irrigation, give number of acres and description of land: 

7) Estimate amount of water used each year: 

Signature of Owner: Evelyn Wilson

Date: Dec. 3, 1965

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

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
County of Sweet Grass

Filed this 3 day of Dec., A.D. 1965
at 10 A.M.

Evelyn Williamson
County Clerk

By
Deputy
STATE WATER CONSERVATION BOARD
DECEMBER 7, 1965

NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION
WITHOUT WELL
Developed After January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Dec. 3, 1965
Owner: Evelyn Williams
Address: Big Sandy, Mont.
Contractor (if any): 
Address of Contractor: 
Date Started: 
Date Completed: 

1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drains, etc.): Gravity flow

2) Means of withdrawing water (gravity, pump, canal, etc.): Gravity

3) Depth of water table: 

4) Use of the water: Stock-water

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): 80 gal per minute

6) If used for irrigation, give number of acres and description of land: 

7) Estimate amount of water used each year: Stock-water year around

Signature of Owner: Evelyn Williams
Date: Dec. 3, 1965

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

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
County of Sweet Grass.

Filed this 3 day of Dec., A.D. 1923
at 10:26 o'clock M.

Anne Haan
County Clerk.

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

1. W. A. Julian, of Big Timber, Mont.
   (Name of Appropriator)  
   (Address)  
   (Town)  
   County of Sweet Grass  
   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: Human Use

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1948 & Continues

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 5—3.000 ft. per minute

5. If used for irrigation, give the acres 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: 1963

8. The depth of water table: Water comes to surface of ground

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 6" dia. Drilled well 65 ft

10. The estimated amount of groundwater withdrawn each year: approx. 150,000 gallons

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

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

Signature of Owner: W. A. Julian  
Date: 12-16-1963

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

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

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

9882
**WELL LOG REPORT**

State law requires that this form be filed by the well driller on any water well completed by him on and after July 1, 1972 within sixty (60) days after completion of the well.

1. **WELL OWNER:**
   - Name: [Name]
   - Address: Box 1332, Lava Hot Springs, ID

2. **WELL LOCATION:**
   - County: Sweet Grass
   - Section: 78
   - Township: 7
   - Range: 2
   - Sec. 78, Twp. 7, Rgas, 2.

3. **PROPOSED USE:**
   - Domestic
   - Stock
   - Municipal
   - Irrigation
   - Other (if other, specify)

4. **METHOD DRILLED:**
   - Cable Bored
   - Forward Rotary
   - Reverse Rotary
   - Jetted
   - Other (if other, specify)

5. **WELL CONSTRUCTION:**
   - Diameter of hole: 6 ft.
   - Depth of hole: 50 ft.
   - Casing: Steel
   - Plastic
   - Concrete
   - Welded
   - Other (if other, specify)
   - Perforation type: __slots holes
   - Size of holes from: 1.5 inches
   - To: 3 inches
   - Full length of hole: 50 ft.
   - Was perforated pipe used? Yes
   - Length of pipe perforated: 50 ft.
   - Was casing left open end? No
   - Was a well screen installed? Yes
   - Material of well screen: [Other]
   - Diameter of hole: 3 inches
   - Depth of hole: 50 ft.
   - Was a packer or seal used? Yes
   - If so, what material?
   - Well type: Straight screen
   - Gravel pack
   - Was the well grouted? Yes
   - To what depth? 50 ft.
   - Material used in grouting: [Other]
   - Well head completion: [Other]

6. **WATER LEVEL:**
   - Static water level: 51 ft. below land surface
   - If flowing: closed-in pressure
   - GPM flow through inch pipe controlled by: Valve
   - Reducers
   - Other, specify

7. **WELL TEST DATA:**
   - Pumping level below land surface:
     - 12 ft. after 6 hrs. pumping
     - 7 gpm
   - Other (if other, specify)

8. **WELL LOG:**
   - Depth (ft.):
     - From: 50 ft.
     - To: 120 ft.
   - Formation
     - 50-100 ft.
     - SHALE
     - 500-550 ft.
     - 550-650 ft.
     - Marine shale
     - 120-130 ft.

9. **DATE STARTED:** 10-2-74
10. **DATE COMPLETED:** 10-9-74
11. **WAS WELL PLUGGED OR ABANDONED?** Yes
   - If so, how?

12. **DRILLER'S CERTIFICATION:**
   - This well was drilled under my jurisdiction and this report is true to the best of my knowledge.
   - [Signature]
   - Date: 10-26-74

**RECEIVED**

[Form No.: 606 New 7-74]

**STATE OF MONTANA**

**Department of Natural Resources and Conservation**

**MONT. DEPARTMENT OF NATURAL RESOURCES & CONSERVATION**

**WELL OWNER**

**WHITE PINE BUREAU**

**WELL LOG REPORT**

**WELL LOCATION**

**PROPOSED USE**

**METHOD DRILLED**

**WELL CONSTRUCTION**

**WATER LEVEL**

**WELL TEST DATA**

**WELL LOG**

**DATE STARTED**

**DATE COMPLETED**

**WAS WELL PLUGGED OR ABANDONED?**

**DRILLER'S CERTIFICATION**

**RECEIVED**

[Form No.: 606 New 7-74]
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **RUDOLPH HEMEC & EMMA HEMEC**, of BOX 67, COPPER CREEK, (Name of Appropriator) (Address) (Town)

   - **County of**: PERSIS
   - **State of**: MONTANA

   *indicate point of appropriation and piece of use, if possible. Each small square represents 10 acres.*

   - **NE-1/4 Sec. 19, T-2N., R-15E.**

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

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

   - **DOMESTIC**

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

   - **About 1940** and used continuously since.

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

   - **Supplies about 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.

   - **not applicable**

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

   - **Well situated on NE-1/4 of said Section 19; drilled under the house by electric pressure pump.**

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

   - **About 1940; 5" casing**

   8. The depth of water table.

   - **45'**

   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 drilled 70' deep; 6" in diameter; withdrawn by electric pump into pressure tank and used in house and watering surrounding lawn.**

   10. The estimated amount of groundwater withdrawn each year.

   - **20,000 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.

   - **RUDOLPH HEMEC**

   **Signature of Owner**

   **EMMA HEMEC**

   **Date**: DECEMBER 19, 1963

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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.
Form No. 18

WATER WELL LOG

Owner: Ash Creek Ranch & Cattle, Address: Melville
Driller: Address:
Date Started: Date Completed:
Location: Sec. 19 T. 2N R. 15E 1/4 sec.

<table>
<thead>
<tr>
<th>Type of well:</th>
<th>Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>Equipment used:</td>
<td>Drill</td>
</tr>
</tbody>
</table>

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

Casing: 20 ft. to ______ ft. Type: Pipe Size: 5"
Casing: ______ ft. to ______ ft. Type: Size:
Casing: ______ ft. to ______ ft. Type: Size:

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

Type of screen or perforations:

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

Pumping water level: ______ feet at ______ gal. per min.
How tested:

Length of test:

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td></td>
<td>Rocks + shale</td>
</tr>
</tbody>
</table>
Owner: Ash Creek Ranch Co  
Address: Melville, Mont.

Driller: Herbert & Boyles Pros  
Address: 

Date Started:  
Date Completed:  

Location: Sec. 19 T. 27 N. R. 15 E 1/4 sec.

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Spring</td>
<td>(Churn, drill, rotary, other)</td>
</tr>
</tbody>
</table>

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

- Casing: _____ ft. to _____ ft.  Type: __________  Size: ________
- Casing: _____ ft. to _____ ft.  Type: __________  Size: ________
- Casing: _____ ft. to _____ ft.  Type: __________  Size: ________

Perforated or Screened: Ft. _____ to Ft. _____  Ft. _____ to Ft. _____

**Type of screen or perforations:**

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

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

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

**How tested:**

**Length of test:**

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

**Flow of Spring:** 20 Miners Pikes

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

Developed After January 1, 1962

(Under Chapter 237, Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Owner</th>
<th>AL Thomas, Address: De Puea, Mont.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>J. L. McBee, Address: De Puea, Mont.</td>
</tr>
<tr>
<td>Date of Notice of appropriation of groundwater</td>
<td>8-10-66</td>
</tr>
<tr>
<td>Date well started</td>
<td>8-10-66, Date completed: 8-11-66</td>
</tr>
</tbody>
</table>

**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>Depth of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>Feet</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 1/4&quot;</td>
<td>1 1/4&quot; x 2 ft.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 3/4&quot; x 2&quot;</td>
<td>3 1/2&quot; x 2&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1 1/2&quot; x 2&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Remarks:**
- (Gravel packing, cementing, packers, type of shutoff).
- Indicate location of well and place of use, if possible. Each small square represents 40 acres.
- **Chateaubriand**
  - Gravel Pack 26' to 31', with 9' Graded & Washed.

---

**Driller's License Number**
- [ ] 58, [ ] 383

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

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

Owner: Moore Bros.  
Address: Big Timber, MT.

Date well started: 6-8-72.  
Date well completed: 6-12-72.

Type of well drilled: [Drill, drive, bored or drilled]

Equipment used: [Drill, drive, bored or drilled]

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: 118,000 Gal.

<table>
<thead>
<tr>
<th>Depth of Hole</th>
<th>Type of Hole (Feet)</th>
<th>Depth of Casing (Feet)</th>
<th>Top of Ground (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>7 7/8&quot;</td>
<td>6 5/8&quot;</td>
<td>5 1/2&quot;</td>
<td></td>
</tr>
<tr>
<td>4 3/4&quot;</td>
<td>8&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>108&quot;</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 20 ft.
Pumping water level: 108 ft.

Static water level: 20 ft.; Pumping water level: 108 ft.

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

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

Driller's Signature: [Signature]
Driller's Address: Flat Tail, MT.

LICENSE NO... 22

59.24
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Mont. Session Laws, 1961)

Date of Appropriation of Groundwater: 12/18/63

Owner: James A. Moore
Address: Big Timber, Mont

Contractor (if any): M. J. Todd Construction
Address of Contractor: Big Timber, Mont

Date Started: 6/6/63  Date Completed: 6/12/63

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

No.1: Pipewith overflow
No.1a: Puddled corrugated metal pipe with plastic pipe to Tank

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

All three springs flow approximately 1,000 gals per minute. Estimated flow in pipe.

Signature of Owner: S. A. Mack
Date: 12/18/63

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

1. Name: Theresa A. Mack
   Address: Big Timber, Montana
   County of: Sweet Grass
   State of Montana

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

2. The beneficial use on which the claim is based: Household
   Garden & stock

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
   Prior to 1953

4. The amount of groundwater claimed (in miner's inches or gallons per minute): US gals 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:
   Garden irrigation only

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   Sept 24, 1963

8. The depth of water table: 27 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:
   Sand aug. 6 in. 50 ft

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

11. The log or 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: 12/18/63

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

1. Th__ Th__ Th__ Th__ Th__ Th__ of Big Timber, Montana
   (Name of Appropriate)  
   (Address)  
   (Town)  
   County of__ 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.  
   __ Households  
   Garden & stock  
   __ Irrigation  
   __ Other  

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

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.  
   __ Pump with gasoline engine  

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

8. The depth of water table  
   __ ft.  

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater.  
   __ Hand dug  
   __ Pumped up with sandstone  
   __ Feet deep  

10. The estimated amount of groundwater withdrawn each year  
    __ gal.  

11. The log of formations encountered in the drilling of each well if available.  
    __ Shales & Cretaceous  

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:  

__________________________ 日期: __/__/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 clear, so state, otherwise the form will be returned.

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriate.
<table>
<thead>
<tr>
<th>Form: No. 18</th>
<th>8-60</th>
</tr>
</thead>
<tbody>
<tr>
<td>T. 27N R. 15E</td>
<td>County: Sweet Grass</td>
</tr>
<tr>
<td>MONTANA BUREAU OF MINES AND GEOLOGY</td>
<td>Butte, Montana</td>
</tr>
</tbody>
</table>

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ash Creek Ranch Co</td>
<td>Michelle, Mont.</td>
</tr>
<tr>
<td>Driller</td>
<td>Address</td>
</tr>
</tbody>
</table>

| Location: | Sec. 29 T. 27N R. 15E | 1/4 sec. |

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depend, driven, or drilled</td>
<td>Catfeller</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to ft.</th>
<th>Ft. to ft.</th>
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<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
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<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>feet.</th>
</tr>
</thead>
</table>

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

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

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
</table>

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

<table>
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<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
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*Flow of Spring 10 cubic (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>
</tbody>
</table>

STATE OF OTTAWA,
County of Southeast
The undersigned,
DICK ARMSTRONG,
County Clerk,

Do certify that the above is true.

[Signature]

[Signature]
**WATER WELL LOG**

**Owner**:

**Address**: McMillin

**Driller**: Bob Ryan

**Address**: 

**Date Started**: 

**Date Completed**: 

**Location**: Sec. 12, T. 2N, R. 15E, ¼ sec.

<table>
<thead>
<tr>
<th>Type of Screen or Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perforated or Screened: Ft. to Ft.</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Ft. to Ft.</th>
<th>Type</th>
<th>Size</th>
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</thead>
<tbody>
<tr>
<td>Casing:</td>
<td>Ft. to Ft.</td>
<td>Type</td>
<td>Size</td>
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<td>Casing:</td>
<td>Ft. to Ft.</td>
<td>Type</td>
<td>Size</td>
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</tbody>
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<table>
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<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
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</table>

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

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>lb./sq. in. on:</th>
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</thead>
<tbody>
<tr>
<td>Pumping water level:</td>
<td>feet at gal. per min.</td>
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<tr>
<td>How tested:</td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td></td>
</tr>
</tbody>
</table>

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

Flow of Spring 12 Mora sandstone

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td></td>
</tr>
</tbody>
</table>

STATE OF MONTANA

County of Flathead

From the 19

To 237

D.D. 1961

L.C. Armstrong

County Clerk

Petty.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Butzerin McNulty
Owner's Address: Big Timber, Mont.
Driller: Albert A. Coyle
Driller's Address: Harlowton, Mont.

Date of Notice of Appropriation of Groundwater: 9/70
Date well started: 9/70
Date Completed: 9/70
Type of well: Drilled
Equipment Used: Cable Tool

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

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

Static Water Level for non-flowing Well: 15 feet
Shut-in Pressure for Flowing Well: 50 feet at 15 gal. per minute
Pumping Water Level: 10 feet at 15 gal. per minute
Discharge in gal. per min. of flowing well: 15 gal.
How Tested: 4 hours
Length of Test: 4 hours

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

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

Filed this 7th day for Oct. A.D. 1965
at 9:30 o'clock A.M.

DONALD MOORE
County Clerk.

Stuart & Donald Moore
8-4-1913
## Groundwater Index

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County Fiel No.</th>
<th>Remarks</th>
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<td>3</td>
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<td>8</td>
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<tr>
<td>4</td>
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<td>D. Y. Espino</td>
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<td>24</td>
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<tr>
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<td>34</td>
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<tr>
<td>37</td>
<td>Vincent D. Hollaway</td>
<td>Co 4</td>
<td>922273</td>
<td></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: Dec. 12, 1963
Owner: Ludwig Alleda
Address: Big Timber, Mont.
Contractor (if any): None
Address of Contractor: None
Date Started: Unknown  Date Completed: Unknown

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

Gravity Flow

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

All springs run 3 gals per minute estimated flow year around; less water used

Signature of Owner: Ludwig Alleda
Date: Dec. 12, 1963

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

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

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

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

Filed this 23 day of Nov. A.D. 1863 at 4.30 p.m.

Alice Mason

Count Clerk.