T IN R 21E
County Stillwater

MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

STATE ENGINEER

Owner: Donald Nordahl
Address: Rapelje, Mont

Driller: Albert Heck
Address: Harlowton

Date Started: March 9, 61
Date Completed: March 10, 61

Location: Sec. 19 T IN R 21E ¼ sec. SW 1

Type of well: drilled
Equipment used: cable tool
(Dug, driven, bored, or drilled)

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

Casing: 1 ft. to 18 ft. Type 20 ga galv Size 6 inch

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: (date)

Pumping water level: 20 feet at 6 gal. per min. 1

How tested: [ ]

Length of test: 2 hrs

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>1</td>
<td>20</td>
<td></td>
<td>Brown clay</td>
</tr>
<tr>
<td>20</td>
<td>40</td>
<td></td>
<td>Dark gray sand rock</td>
</tr>
<tr>
<td>40</td>
<td>60</td>
<td></td>
<td>Dark gray shale rock</td>
</tr>
<tr>
<td>60</td>
<td>65</td>
<td></td>
<td>Dark gray shale rock</td>
</tr>
<tr>
<td>65</td>
<td>75</td>
<td></td>
<td>Gray shale</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: 9-1-1961, 9-2-1959

Owner: John Doe
Address: 123 Main St.

Contractor (if any): Self
Address of Contractor: 456 Elm St.

Date Started: 2-1959, Date Completed: 2-1959

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

- No. 1: dug and plastic pipe to a tank
- No. 2: gravity to a house, piped to the house

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.

- No. 1: 2 gallons per minute - measured with gallon gage
- No. 2: 4 gallons per minute - measured at different times and years around

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

Signature of Owner: John Doe
Date: December 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.

There are various springs along the creek on my lands in sections 19 and 30 which are free flowing and which I claim.
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: 1-1-1960, No. 2 1959
Owner: Don and Florence Nord
Address: Ranelle

Contractor (if any): ______________
Address of Contractor: ______________
Date Started: 1-1961, Date Completed: 2-1959

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

No. 1. Pond and plastic pipe to a tank

No. 2. Conveyed and a spring house, piped to the house

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

Quantity estimate: ______________

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

No. 1: ______________

No. 2: ______________

HM.4/4, Sec. 30, T.18 N. R. 21 E.

No. 1 - 2 gallons per minute - measured with gallon pail used year around

No. 2. Varies from 2 gallons to 5 gallons per minute - measured at different times used year around

Signature of Owner: ______________
Date: ________________________

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

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

Please answer all questions. If not, return to the State Engineer, 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.

There are various springs along the creek on my lands in Sections 19 and 30 which are free flowing and which I claim.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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:______________________________

Owner: Keating Ranch  Address: Holty Montana

Contractor (If any):________________________________________________

Address of Contractor:_____________________________________________

Date Started: ___________  Date Completed: ___________

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

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

3) Depth of water table:_____________________________________________

4) Use of the water: Stock:___________________________________________

5) Amount of groundwater claimed (in miner's inches, or gallons per minute): ___________ 1.0__

6) If used for irrigation, give number of acres and description of land: not used

7) Estimate amount of water used each year: ___________ 10,000,000

Signature of Owner: Keating Ranch  Date: December 30, 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.

<table>
<thead>
<tr>
<th>NW</th>
<th>SW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
COUNTY OF STILLWATER

I hereby certify that the above instrument was filed and recorded in this office on the 30th day of December, A.D. 1865.

Gertrude A. Cathron
Recorder
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: Ted Keating
Address: Matta, Montana

Driller: B & H Drilling
Address: Freeland, Montana

Date of Notice of appropriation of groundwater: 8/1/69
Date well started: 8/1/69
Date completed: 8/1/69

Type of well: Drilled
Equipment used: Churn drill

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

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.

Top of Ground

Elev. above sea level:
8-11 Tep soil
Some water
45-33 Quick sand
45-35 Soft clay

Water
25-60 Sand \\
60-75 Sandstone

75-87 Clay \\

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Drill</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 inch</td>
<td>6 5/8</td>
<td>14</td>
<td>26</td>
<td></td>
</tr>
<tr>
<td>1 1/2 inch</td>
<td>1897</td>
<td>7</td>
<td>87</td>
<td>3/16</td>
</tr>
<tr>
<td>Plastic</td>
<td></td>
<td></td>
<td></td>
<td>72</td>
</tr>
<tr>
<td>1 inch</td>
<td>6 5/8</td>
<td>14</td>
<td>26</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 34 feet.
Shut-in Pressure for Flowing Well: 45 feet
Pumping Water Level: 70 feet
Discharge in gal. per min. of Flowing well: 45 gal. per minute
How Tested: Daily
Length of Test: 3 days

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

This is a real good well.

No 37
Driller's License Number

Dad Lay
Driller's Signature

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

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

Owner: Keating Ranch  
Address: Holt, Mont.

Contractor (if any):
Address of Contractor:

Date Started: Aug 1961  
Date Completed: Sept 1961

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

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

3) Depth of water table

4) Use of the water: Stock

5) Amount of groundwater claimed (in miner's inches, or gallons 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: Keating Ranch
Date: December 30, 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 YELLOWSTONE

I hereby certify that the above instrument was filed and recorded in this office on the 30th day of June, A.D. 1918

[Signature]

COUNTY REGISTRAR
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lester Nordahl</td>
<td>Molt, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Clyde Sando</td>
</tr>
<tr>
<td>Address</td>
<td>Billings, Montana</td>
</tr>
</tbody>
</table>

Date Started: June 25, 1960  Date Completed: July 2, 1960

Location: Sec. 23 T. 31 N. R. 23 E. ¼ sec. SE^2

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 ft. to 125 ft.</td>
<td>galvanized</td>
<td>6 inch</td>
</tr>
<tr>
<td>0 ft. to 12 ft.</td>
<td>black surface</td>
<td>8 inch</td>
</tr>
</tbody>
</table>

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

Type of screen or perforations:

- **Static Water level, for non-flowing well:** feet.
- **Shut-in pressure, for flowing well:** lb./sq. ft. on: (date)
- **Pumping water level:** feet at 5 gal. per min.
- **How tested:**
- **Length of test:**
- **Remarks:** (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

Remarks:

- ...
- ...
- ...
- ...
- ...
- ...

(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>12</td>
</tr>
<tr>
<td>water started to show at 20 ft.</td>
<td></td>
</tr>
</tbody>
</table>
DECLARATION OF ESTABLISHED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. Keating Ranch, of Holt, Montana,

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

<table>
<thead>
<tr>
<th>Sec. 26</th>
<th>Sec. 25</th>
<th>Sec. 35</th>
<th>Sec. 36</th>
<th>Sec. 37</th>
<th>Sec. 38</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td>No. 2</td>
<td>No. 3</td>
<td>No. 4</td>
<td>No. 5</td>
<td>No. 6</td>
</tr>
</tbody>
</table>

   2. Basis of Beneficial Use
      Stock
      Stock
      Stock

   3. Approx date of Use
      1916
      1920
      1920

   4. How continuous?
      Continuous
      Continuous
      Continuous

   5. Amount claimed in
      miner's inches or
      gallons per min.
      20 gal/min
      3 gal/min
      3 gal/min

   6. Acres irrigated
      NA
      NA
      NA

   7. Name of Owner
      Keating Ranch

   8. Location of Well
      Swiftditch
      Swiftditch
      Swiftditch

   9. Means of Withdrawal
      Gas pump
      Windmill
      Gas pump

   10. Date-Commencement
       Unknown
       Unknown
       Unknown

   11. Date-Completion
       Unknown
       Unknown
       Unknown

   12. Depth of water table
       20 ft
       22 ft
       27 ft

   13. Type, size, depth of specifications of works
       8" casing
       6" casing
       6" casing
       2000' deep
       80' deep
       80' deep

   14. Estimated amount withdrawn annually
       300,000 gal
       50,000 gal
       50,000 gal

   15. Log, if available
       None available
       None
       None

   16. Other information
       Keating Ranch Inc.

   Signature of owner: 
   Date: Dec. 30, 1965

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

I hereby certify that the above instrument was filed and indexed in this office on the 3rd day of July, A.D. 1913, at __ o'clock __ M., at __ o'clock __ M., at

DEPARTMENT OF COUNTY RECORDS

COUNTY RECORDER

By ___________________________ Deputy
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 30, 1966...
Owner... Keating Ranch... Address... Molt, Montana...
Contractor (If any)...
Address of Contractor...
Date Started... Nov. 1966... Date Completed... Dec. 1966...

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

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

3) Depth of water table...

4) Use of the water... Stock...

5) Amount of groundwater claimed (in miner’s inches, or gallons per minute)... 3 gal per min...

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

7) Estimate amount of water used each year... 100,000 gals...

Signature of Owner...
Date... Dec. 30, 1966...

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 STILLWATER

I hereby certify that the above instrument was filed and indexed in this office on the 1st day of December, A.D. 1965, at 3:30 o'clock P.M.

Gertrude A. Calkins
COUNTY RECORDER
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

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

<table>
<thead>
<tr>
<th>WELL No. 1</th>
<th>Sec. 29</th>
<th>Sec. 29</th>
<th>Sec. 40</th>
<th>Sec. 40</th>
<th>Sec. 40</th>
<th>Sec. 40</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Basis of Beneficial Use
   Domestic
   Stock

3. Approx date of Use
   1956
   Prior to purchase

4. How continuous?
   continuous
   winter

5. Amount claimed in miner's inches or gallons per min.
   5 gals
   5 gals

6. Acres irrigated
   none
   none

7. Name of Owner
   Claude Harsh
   Estate

8. Description
   none
   none

9. Location of Well
   NFSW
   NFSW

10. Means of Withdrawal
    Flec.
    pump
    Flec.
    pump

11. Date-Commencement
    1956
    unknown

12. Date-Completion
    1956
    unknown

13. Depth of water table
    unknown
    unknown

14. Type, size, depth of specifications unknown
    of works unknown

15. Estimated amount withdrawn annually
    75,000
    100,000

16. Log, if available
    Dr. Albert Heck, Harlowton, Montana drilled well #1 and would have the log.

17. Other information

Signature of owner: Frances Harsh
Date: 2-26-1963

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
185683

Edna Sarah, estate.
By Frances Ellis, admx.

STATE OF MONTANA
COUNTY OF STILLWATER

I hereby certify that the above instrument was filed and indexed in this office on the 29th day of September, A.D. 1856, at 3 o'clock a.m.

Sertrude H. Thomas

county register

By: Jennie Bishop  Deputy
### Notice of Completion of Groundwater Appropriation Without Well

**Developed After January 1, 1962**

(Under Chapter 237 Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>Owner: Kenting Ranch</th>
<th>Address: Mont, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Contractor (if any)</td>
<td>Address of Contractor</td>
</tr>
<tr>
<td></td>
<td>Date Started: Nov 1965</td>
<td>Date Completed: Dec 1965</td>
</tr>
<tr>
<td>1) Describe means of obtaining groundwater (as by sub-irrigation, developed spring, drain, etc.)</td>
<td>Spring (developed)</td>
<td></td>
</tr>
<tr>
<td>2) Means of withdrawing water (gravity, pump, canal, etc.)</td>
<td>Gravity</td>
<td></td>
</tr>
<tr>
<td>3) Depth of water table</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4) Use of the water</td>
<td>Stock</td>
<td></td>
</tr>
<tr>
<td>5) Amount of groundwater claimed (in miner's inches, or gallons per minute)</td>
<td>15</td>
<td></td>
</tr>
<tr>
<td>6) If used for irrigation, give number of acres and description of land</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7) Estimate amount of water used each year</td>
<td>1,000,000</td>
<td></td>
</tr>
</tbody>
</table>

**Signature of Owner:** Kenting Ranch  
**Date:** December 30, 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.
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1968

Owner: John H. Leifeld
Address: Mo. T., Mont.

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, and "natural processes" above:

Signature of Owner: John H. Leifeld
Date: Sept. 28, 1965

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

These 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: Oct. 1, 1962

Owner: Leonard Lutgen
Address: Reopol, Mont.

Contractor (if any):
Address of Contractor:

Date Started: Sept. 27, 1962 Date Completed: Oct. 1, 1962

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

Cement dam 3 feet deep

100 feet 1/2" plastic pipe

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:

1 gallon per minute — used continuously

for watering stock

Signature of Owner: Leonard Lutgen
Date: August 23, 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; quadruplicate for the Appropriator.
STATE OF MONTANA
COUNTY OF STILLWATER

I hereby certify that the above instrument was filed and indexed in this office on the 23rd day of August, A.D. 1903, at 2:30 o'clock P.M.

COUNTY CLERK

By: ____________________________ Dewe
## Groundwater Index

**County:** Stillwater  
**Twp.:** 1N  
**Rge.:** 22S

<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>School Dist. No. 12</td>
<td>GW 2</td>
<td>19.3344</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Lane, Edith C.</td>
<td>GW 2</td>
<td>20.4978</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>Ketchum, Queen</td>
<td>GW 2</td>
<td>20.1784</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>The Monona Spring</td>
<td>GW 2</td>
<td>19.5463</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Yellowstone Grain Co.</td>
<td>GW 2</td>
<td>18.5607</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Nordan, Norman</td>
<td>GW 2</td>
<td>19.0834</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1551</td>
<td>See #9 Above</td>
</tr>
<tr>
<td>6</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1549</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Coles, Ross A</td>
<td>GW 4</td>
<td>18.6684</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Coles, Ross A</td>
<td>GW 4</td>
<td>18.6686</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Nordan, Norma Lestor</td>
<td>Water Well</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1551</td>
<td>See #9 Above</td>
</tr>
<tr>
<td>11</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1549</td>
<td>See #10 Above</td>
</tr>
<tr>
<td>12</td>
<td>Leuthold, Albert E.</td>
<td>GW 4</td>
<td>18.5964</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1551</td>
<td>See #9 Above</td>
</tr>
<tr>
<td>14</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1549</td>
<td>See #10 Above</td>
</tr>
<tr>
<td>15</td>
<td>Pomroy, Stanza</td>
<td>GW 4</td>
<td>18.6681</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Pomroy, Stanza</td>
<td>GW 3</td>
<td>18.6680</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1551</td>
<td>See #9 Above</td>
</tr>
<tr>
<td>18</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1549</td>
<td>See #10 Above</td>
</tr>
<tr>
<td>19</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1551</td>
<td>See #9 Above</td>
</tr>
<tr>
<td>20</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1549</td>
<td>See #10 Above</td>
</tr>
<tr>
<td>21</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1551</td>
<td>See #9 Above</td>
</tr>
<tr>
<td>22</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1549</td>
<td>See #10 Above</td>
</tr>
<tr>
<td>23</td>
<td>Pomroy, Stanza</td>
<td>GW 4</td>
<td>18.6680</td>
<td>See #13 Above</td>
</tr>
<tr>
<td>24</td>
<td>Reische, Carl A</td>
<td>GW 4</td>
<td>18.5481</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>Coles, James H</td>
<td>Water Well</td>
<td>None</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Coles, Ross A</td>
<td>GW 4</td>
<td>18.6689</td>
<td></td>
</tr>
<tr>
<td>27</td>
<td>Melby, Edward J</td>
<td>GW 4</td>
<td>18.6695</td>
<td></td>
</tr>
<tr>
<td>28</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1551</td>
<td>See #9 Above</td>
</tr>
<tr>
<td>29</td>
<td>Leuthold, John* Grace</td>
<td>GW 4</td>
<td>19.1549</td>
<td>See #10 Above</td>
</tr>
<tr>
<td>30</td>
<td>Leuthold, Albert E.</td>
<td>GW 4</td>
<td>19.1549</td>
<td>See #13 Above</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
Developed after January 1, 1962
(Under Chapter 237, Montana Session Laws, 1961)

Owner: School Dist No. 12
Address: Molt, Mont

Driller: Silvex Drilling
Address: Molt, Mont

Date of Notice of appropriation of groundwater: ____________________

Date well started: ____________________ Date completed: ____________________

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

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>1/2 Plastic</td>
<td>200</td>
</tr>
</tbody>
</table>

Perforations

<table>
<thead>
<tr>
<th>Kind of Hole</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>1/16</td>
<td>180</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 110 feet.
Shut-in Pressure for flowing well: ________ feet.
Pumping Water Level: 180 feet at ________ gal. per minute.
Discharge in gal. per min. of flowing well: ________ gal. per minute.

How Tested: Bafer
Length of Test: ________ hrs.
Remar: (Gravel packing, cementing, packers, type of shut-off)

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

Edge of Well on School Grounds for School Use:

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: ________ ft.

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.

NO 27

Driller's License Number
Paul L. Hauney

Driller's Signature

4/1/56
STATE OF MONTANA
COUNTY OF STILLWATER

I hereby certify that the above instrument was filed and indexed in this office on the 23rd day of September, A. D. 1933, at 2:30 o'clock p.m.

Wm. H. Calkins
COUNTY RECORDED

Asst. County Recorder
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 work attached from, the amount of groundwater claimed in gallons per minute. Also provide the well log if available.

Thank you.

5/0/12

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

*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 Treated Waste</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
<th>Depth</th>
<th>HP</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot; 6&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level 25 feet, Pumping water level 20 feet, gallons per minute, measured minutes after pumping began.

*Measured from ground level.

Well developed by hours. 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 LOG

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODES
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: Edith C. LANE
Address: 204-925 Main St., Malad, Mont. 57687
Date well started: 1958
Type of well: Drilled
Equipment used: rotary shank drill
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 Hole</th>
<th>Size of Casing</th>
<th>Depth (Feet)</th>
<th>Perm. (Foot)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Measured from ground level. ________________

Well developed by ________________ for ____________ hrs.

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

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

Driller's Signature: __________________ ________________
Driller's Address: __________________ ________________

LICENSE NO. __________________

Show exact depth of bottom.

Show depth at which water is found and height to which water rises in well.
STATE OF MONTANA
COUNTY OF STILLWATER

I hereby certify that the above instrument was filed and indexed in this office
on the 23rd day of July
A. D. 1925, at 2:30 o'clock P.M.

D. A. Peck
COUNTY RECORDER

R. J. Livingstone
[Signature]
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: Owen Ketchum
Address: 720 South St., Billings, Mont.

Date well started: February 8, 1971

Date well completed: November 30, 1971

Type of well: Dug

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>Size of Hole</th>
<th>Dia. and Shells</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kinds</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>64</td>
<td>5&quot; Plastic</td>
<td>0</td>
<td>120</td>
<td>1</td>
<td>20</td>
<td>120</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: 12 ft.

Pumping water level: 114 ft.

at 405 gallons per minute, measured 45 minutes after pumping began.

*Measured from ground level.

Well developed by Pump for ______ hours.

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: J. L. Rei

Driller's Address: 420 South St., Billings, Mont.

License No.: 197

Show exact depth of bottom.
STATE OF MONTANA
COUNTY OF STILLWATER

I hereby certify that the above instrument was acknowledged and recorded in this office
JAN 4 1971

[Signature]
COUNTY ATTORNEY

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

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

STATE ENGINEER

1. The Montana Power Company of 40 East Broadway Butte (Name of Appropriator) (Address) (Town)

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

<table>
<thead>
<tr>
<th>W</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>S</td>
<td>X</td>
</tr>
</tbody>
</table>

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

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

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) 2 gallons per minute - 24 hours per day

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 1947

8. The depth of water table 12 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 Electric pump

10. The estimated amount of groundwater withdrawn each year 250,000 gallons per year

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

   - First 6 inches - gumbo
   - 5 feet - limestone
   - 8 feet - gravel

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

(COMPANY SEAL)

THE MONTANA POWER COMPANY

ATTEST:

Signature of Owner

Vice President

Date February 1, 1962

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: Yellowstone Mining Co.
Address: Butte, Mont.

Date of Notice of Appropriation of Groundwater: July 8, 1963

Type of Well: Drilled

Date well started: July 9, 1963
Date completed: July 15, 1963

Equipment Used: 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, thickness and character of water-bearing strata and height to which water rises in the well.

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8 in.</td>
<td>3 in.</td>
<td>0</td>
<td>67</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 7 ft. from surface.

Shut-in Pressure for Flowing Well:

Pumping Water Level: 70 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well:

How Tested: Driller
Length of Test: 3 hr.

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

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.

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 STILLWATERS

I hereby certify that the above instrument was filed and indexed in this office on the 20th day of September, A.D. 1853, at 10:30 o'clock A.M.

Gertrude H. Calhoun
COUNTY CLERK

By: Deputy
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Contract
Owner: [Name and Address]
Driller: [Name and Address]
Date of Notice of Appropriation of Groundwater:
Date well started: [Date]
Date completed: [Date]

Type of well: [Driven, bored, or drilled]
Equipment Used: [Churn, drill, rotary, or other]

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

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

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

Static Water Level for non-flowing Well: [Footage]
Shut-in Pressure for Fl owing Well: [Pound per square inch]
Pumping Water Level: [Footage] feet at [Pound per square inch]...gal. per minute.
Discharge in gal per min. of flowing well: [Footage]
How Tested: [Method of testing]
Length of Test: [Footage]
Remarks: [Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation]

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

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

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

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

39394
STATE OF MONTANA
COUNTY OF STILLWATER

I hereby certify that the above instrument was filed and indexed in this office
on the __________ day of __________, A.D. 19__.

[Signature]
[Name]
[Deputy Recorder]

[Signature]
Deputy
**Notice of Completion of Groundwater Appropriation Without Well**

(Under Chapter 237 Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>1929-1961</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>John H. Leuthold</td>
</tr>
<tr>
<td>Address</td>
<td>Molt, Montana</td>
</tr>
<tr>
<td>Contractor (if any)</td>
<td>Darlington Sullivan</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Indicate point of appropriation and place of use, if possible.</td>
<td></td>
</tr>
<tr>
<td>Acquired</td>
<td></td>
</tr>
<tr>
<td>Dec 16 - 1929</td>
<td></td>
</tr>
<tr>
<td>Dec 16-19 - 1938</td>
<td></td>
</tr>
<tr>
<td>Dec 21 - 1941</td>
<td></td>
</tr>
<tr>
<td>Dec 22-27 - 1961</td>
<td></td>
</tr>
</tbody>
</table>

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 STILLWATER

I hereby certify that the above instrument was filed and indexed in this office
on the ___ day of NEW YEAR,
A. D. 19___, at ___ o’clock ___ M.

Gertrude H. Calhoun
COUNTY RECORDER

By: ________________________________ Deputy
## Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. **John H. Leuthold** and **Grace Leuthold** of MOLT, MONTANA

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

<table>
<thead>
<tr>
<th>Section</th>
<th>Twp 1S-21B</th>
<th>Sec.</th>
<th>T1N-R22E</th>
<th>Sec.</th>
<th>TIN-R22E</th>
<th>Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>8</td>
<td></td>
<td>10</td>
<td></td>
<td>16</td>
</tr>
</tbody>
</table>

**WELLS**

- **No. 1**
- **No. 2**
- **No. 3**
- **No. 4**
- **No. 5**
- **No. 6**

2. **Beneficial Use**

- **Household & Livestock**
- **Household & Livestock**
- **Household & Livestock**
- **Household & Livestock**
- **Livestock**
- **Livestock**

3. **Approx date of Use**

- **1946**
- **1960**
- **1959**
- **1961**
- **1950**
- **1920**

**How continuous?**

- **Year round**
- **Year round**
- **Year round**
- **Year round**
- **Year round**
- **Year round**

4. **Amount claimed in miner's inches or gallons per min.**

- **6 gals**
- **6 gals**
- **6 gals**
- **10 gals**
- **6 gals**
- **20 gals**

5. **Acres irrigated**

- **1**
- **1**
- **1**
- **1**

6. **Means of Withdrawal**

- **Electric**
- **Windmill**
- **Electric**
- **Gasoline Motor**
- **Pump**
- **Pump**
- **Electric**
- **Gasoline Motor**

7. **Date-Commencement**

- **About 1946**
- **About 1960**
- **1961**
- **1950**
- **1920**

8. **Depth of Water Table**

- **80 ft**
- **80 ft**
- **240 ft**
- **75 ft**
- **8 ft**

9. **Type, size, and depth of specifications of works**

- **6" casing**
- **6" casing**
- **6" casing**
- **8" casing**
- **6" casing**
- **Dog wall**
- **2 ft.**

10. **Estimated amount withdrawn annually**

- **1,800,000**
- **1,800,000**
- **1,800,000**
- **1,800,000**
- **1,800,000**

11. **Log, if available**

- **N.A.**
- **N.A.**
- **Blue sand and gray shale**
- **Sand rock and gray shale**
- **N.A.**
- **gray shale**

12. **Other information**

- **MOLT WATER CONSERVATION BOARD**

**Signature of owner**

**Date**

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

I hereby certify that the above instrument was filed and indexed in this office on the 25th day of November, A. D. 1905, at 9 o'clock A.M.

Certified by: Calhoun
COUNTY CLERK

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

<table>
<thead>
<tr>
<th>Wells</th>
<th>Sec. 1</th>
<th>Sec. 2</th>
<th>Sec. 3</th>
<th>Sec. 4</th>
<th>Sec. 5</th>
<th>Sec. 6</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>No. 2</td>
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<td>No. 3</td>
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<tr>
<td>No. 4</td>
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<tr>
<td>No. 5</td>
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<td></td>
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<tr>
<td>No. 6</td>
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<td></td>
<td></td>
</tr>
</tbody>
</table>

2. Basis of Beneficial Use: Stock, Household

3. Approx date of Use: Sept. 1963

4. How continuous? Every day

5. Amount claimed in miner's inches or gallons per min.: 3 gal.

6. Location of Well: SW 1/4 Sec. 1

7. Means of Withdrawal: Pump

8. Type, size, depth or specifications of works: 90 feet, 1½ pipe, 2½ gyp.

9. Estimated amount withdrawn annually: 200 gal. daily

10. Log, if available: NA

11. Other information: 

Signature of owner: Ronald A. Coles

Date: December 31, 1963

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
**DECLARATION OF VESTED GROUNDWATER RIGHTS**
(Under Chapter 237, Montana Session Laws, 1961)

1. **Ross A. Cole**, of Molt, Montana

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

<table>
<thead>
<tr>
<th>Sec. 13</th>
<th>Sec. 26</th>
<th>Sec. 3</th>
<th>Sec. 4</th>
<th>Sec. 5</th>
<th>Sec. 6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SPRINGS</th>
<th>No. 1</th>
<th>No. 2</th>
<th>No. 3</th>
<th>No. 4</th>
<th>No. 5</th>
<th>No. 6</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

2. **Basis of Beneficial Use**: Stock

3. **Approx date of Use**: 1932
   **How continuous?**: Every Day

4. **Amount claimed in miner's inches or gallons per min.**: 10 gal.
   **Basis of Use**: Stock

5. **Acres irrigated**: 100

6. **Location of Well**: Stock
   **Means of Withdrawal**: Stock

7. **Date-Commencement**: December 31, 1963
   **Date-Completion**: January 1, 1964

8. **Depth of water table**: 50 ft.

9. **Type, size, depth of specifications of works**: 20 gal.

10. **Estimated amount withdrawn annually**: 200 gal.

11. **Log, if available**:

12. **Other information**:

   Signature of owner: **Ross A. Cole**
   Date: December 31, 1963

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
G. G. Rabenberg contracted to Driller unknown
Owner: Norman T Nordahl & Lester O Nordahl
Location: Sec. 16 T. 11N R. 22E 1/4 sec. SW

**Type of well Drilled** Equipment used Cable
(Seg, driven, bored, or drilled) (Down, drill, rotary, other)

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

**Casing:**
- 0 ft. to rock? ft. Type Black pipe Size 6" [ ]
- ft. to ft. Type Size [ ]
- 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: (site)

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

**How tested:**
- Not tested

**Length of test**

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

(over)
Form No. 18

MONTANA BUREAU OF MINES AND GEOLOGY

WATER WELL LOG

C G Rabemberg contracted to
Owner: Norman T and Lester O Nordahl Address: Molt, Mont
Driller: unknown Address:

Date Started: Drilled about 1925 Date Completed:

Location: Sec. 1N, T. 1N, R. 22E 1/4 sec. SE

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

<table>
<thead>
<tr>
<th>Equipment used</th>
<th>Cable</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Drill, rotary, or other)</td>
<td></td>
</tr>
</tbody>
</table>

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>black pipe</td>
<td>approx 6&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

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

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

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

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

| How tested: | We have not tested this well but it provided water for 6 houses and several length of test | gardens when used by the Carbon Black Co. |

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
</table>

(over)
STILLWATER COUNTY  
STATE OF MONTANA

Pile No. ADMINISTRATOR OF GROUNDWATER CODE Twp 16, Rge 22 E

OFFICE OF STATE ENGINEER

DECLARATION OF VESTED GROUNDWATER RIGHTS  
(Under Chapter 237, Montana Session Laws, 1961 & 1963)

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

<table>
<thead>
<tr>
<th>Sec. 15</th>
<th>Sec. 15</th>
<th>Sec. 15</th>
<th>Sec. 15</th>
<th>Sec. 15</th>
<th>Sec. 15</th>
<th>Sec. 15</th>
</tr>
</thead>
<tbody>
<tr>
<td>WELLS</td>
<td>No. 1</td>
<td>No. 2</td>
<td>No. 3</td>
<td>No. 4</td>
<td>No. 5</td>
<td>No. 6</td>
</tr>
</tbody>
</table>

2. Basis of Beneficial Use  
   Domestic  
   Livestock

3. Approx date of Use  
   How continuous?  
   1916  
   Cont.
   1934  
   Cont.

4. Amount claimed in miner's inches or gallons per min.  
   Law  
   30 gal.  
   25 gal.

5. Acres irrigated  
   Description  
   Name of Owner  
   Pomroy  
   Pomroy

6. Location of Well  
   NWNE Sec. 15
   ME NWNE Sec. 15
   Means of Withdrawal  
   Electric pump  
   Windmill

7. Date-Commencement  
   1916 approx.  
   Date-Completion  
   1934

8. Depth of water table  
   L5'  
   60'

9. Type, size, depth or specifications of works  
   60' deep drilled  
   75' deep drilled  
   6" casing  
   6" casing

10. Estimated amount withdrawn annually  
    500,000  
    300,000

11. Log, if available  
    NA  
    NA

12. Other information

Signature of owner:  
Date: December 31, 1963

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1943
Owner: Stans Beunsegard
Address: 2216 Dallas Dr., Billings
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.

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.

#1 SE 1/4 NW 1/4 Sec. 35 Th. 22 R 22E
Indicate point of appropriation and place of use, if possible.

#2 NE 1/4 Sec. 21 Th. 22 R 22E

#3 SE 1/4 Sec. 21 Th. 22 R 22E

Signature of Owner: Stans Beunsegard
Date: 12/31/63

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.
186680

J. M. Fretter

Received 50 acres on the house

31st December

6:32 9:24 6:30 9:30 A.M.

Bertha E. Christiansen
CITY OF, WABER

By: .......................... Deputy
1. **ALBERT E. LEUTHOLD**, of 1370 Munger Lane, Helena, County of Stillwater, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>Sw.4 Sec.30</th>
<th>Sec.30</th>
<th>Sec.10</th>
<th>Sec.30</th>
<th>Sec.10</th>
<th>Sec.19</th>
<th>Sec.19</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Wells</th>
<th>No. 1</th>
<th>No. 2</th>
<th>No. 3</th>
<th>No. 4</th>
<th>No. 5</th>
<th>No. 6</th>
</tr>
</thead>
</table>

2. Basis of Beneficial Use

<table>
<thead>
<tr>
<th>Domestic</th>
<th>Farm</th>
<th>Irrigation</th>
<th>Domestic</th>
<th>Farm</th>
<th>Irrigation</th>
<th>Farm</th>
<th>Livestock</th>
</tr>
</thead>
</table>

3. Approx date of Use

<table>
<thead>
<tr>
<th>1930</th>
<th>1932</th>
<th>1939</th>
<th>Premient</th>
<th>Premient</th>
</tr>
</thead>
</table>

4. Amount claimed in miner's inches or gallons per min.

<table>
<thead>
<tr>
<th>15 gallons</th>
<th>15 gallons</th>
<th>Continental</th>
</tr>
</thead>
</table>

5. Acres irrigated

<table>
<thead>
<tr>
<th>2 ACRES</th>
<th>SAME</th>
<th>SAME</th>
</tr>
</thead>
</table>

6. Location of Well

<table>
<thead>
<tr>
<th>Deep Well</th>
<th>Electric Pump</th>
<th>Windmill Pump</th>
<th>Self Flowing</th>
</tr>
</thead>
</table>

7. Date Commencement

<table>
<thead>
<tr>
<th>1930</th>
<th>1932</th>
<th>1939</th>
</tr>
</thead>
</table>

8. Depth of water table

<table>
<thead>
<tr>
<th>155.20Ft</th>
<th>100-155Ft</th>
<th>70 to 500Ft</th>
</tr>
</thead>
</table>

9. Form size depth of specifications of works

<table>
<thead>
<tr>
<th>25'</th>
<th>40 Feet</th>
<th>70Ft</th>
</tr>
</thead>
</table>

10. Estimated amount withdrawn annually

<table>
<thead>
<tr>
<th>356,000CALS</th>
<th>356,000CALS</th>
<th>356,000CALS</th>
</tr>
</thead>
</table>

11. Log, if available

<table>
<thead>
<tr>
<th>NA</th>
<th>NA</th>
<th>NA</th>
</tr>
</thead>
</table>

12. Other information

<table>
<thead>
<tr>
<th>NA</th>
<th>NA</th>
<th>NA</th>
</tr>
</thead>
</table>

Signature of owner: **ALBERT E. LEUTHOLD**

Date: **Oct 25, 1963**

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

I hereby certify that the above instrument was duly filed and recorded in this office on the 29th day of October, 1854.

A. D. 1854.

G. Brade, Clerk.

COUNTY OF .

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

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

Carl A. Reiff

1. Name of Appropriator
   Address
   Town
   County of Stillwater
   State of Montana

2. The beneficial use on which the claim is based
   Domestic and stock use
   Gas and oil use
   Irrigation use

3. Date or approximate date of earliest beneficial use; and how continuous the use has been since June 1927
   June 1927
   June 1930

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 15 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 None

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal. Electric pump installed 1951. Before that a windmill was used

7. The date of commencement and completion of the construction of the well, well or other works for the withdrawal of groundwater Prior to 1915

8. The depth of water table Maximum level in well is 25 ft below ground level

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 to 80 ft, 9 ft. casing run to bottom

10. The estimated amount of groundwater withdrawn each year 150,000 gal

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

Carl A. Reiff
Signature of Owner

Date August 29th, 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 Appropriate.
STATE OF MONTANA
COUNTY OF PAGETON

I hereby certify that the above instrument was filed and recorded in this office on the 29th day of August, A.D. 1963, at 9:19 A.M.

Erector: W. Calhoun
COUNTY RECORDER

By: _____________________________ Deputy
## WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>James H. Cole</th>
<th>Address</th>
<th>Butte, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Albert Heck</td>
<td>Address</td>
<td>Helena, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>May 15</td>
<td>Date Completed</td>
<td>May 15</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 24 T. 1 N. R. 22 W.</td>
<td>Sec. 32 E. T. 1 N. R. 22 W.</td>
<td>South East</td>
</tr>
</tbody>
</table>

### Type of Well
- Drilled
- Equipment used: Cable Tool
- Method of drilling: (Drill, driven, bored, or drilled)
- Other: (Churn drill, rotary, other)

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

### Casing
- Size: 6 in.
- 1 ft. to 7 ft. 6 in.
- Type: Sub

### Perforated or Screened
- Depth: 5 ft. to 7 ft. 4 in.
- Type of screen or perforations: Drilled Hole 1/4 in.

### Static Water Level
- 35 feet

### Shut-in Pressure
- For flowing well: lb./sq. in.
- On: (date)

### Pumping Water Level
- 25 feet at
- 8 gal. per min.

### How tested
- Basin

### Length of Test
- 3 hours

### Remarks
- (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
- General Packing

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 to 10</td>
<td>Gravel</td>
</tr>
<tr>
<td>10 to 30</td>
<td>Light Brown Clay</td>
</tr>
<tr>
<td>30 to 60</td>
<td>Gray Schale</td>
</tr>
<tr>
<td>60 to 74</td>
<td>Rock and Schale</td>
</tr>
</tbody>
</table>
Counties of Stillwater, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<table>
<thead>
<tr>
<th>W E L L S</th>
<th>Sec. 26</th>
<th>Sec. 26</th>
<th>Sec. 26</th>
<th>Sec. 26</th>
<th>Sec. 26</th>
</tr>
</thead>
<tbody>
<tr>
<td>No. 1</td>
<td></td>
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<td></td>
<td></td>
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<tr>
<td>No. 2</td>
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<td>No. 3</td>
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<td>No. 5</td>
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<td></td>
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<tr>
<td>No. 6</td>
<td></td>
<td></td>
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<td></td>
</tr>
</tbody>
</table>

2. Basis of Beneficial Use: Stock, Stock, Stock

3. Approx date of Use:
   - How continuous: Cont., Cont., Cont.
   - 1910, 1910, 1910

4. Amount claimed in miner's inches or gallons per min.
   - 8 gal., 7 gal., 1 gal.
   - per min., per min., per min.

5. Acres irrigated:
   - none, none, none

6. Location of Well:
   - Means of Withdrawal: Windmill, Pump, Siphon

7. Date-Commencement:
   - 1910, 1910, 1910
   - Date-Completion: 

8. Depth of water table: 10', 10', 10'

9. Type, size, depth of specifications of works:
   - Drilled, Drilled, Dug
   - 6", 8", 6"
   - 90', 81'

10. Estimated amount withdrawn annually:
    - 25000 gal., 60,000, 680,000

11. Log, if available:
    - NA, NA, NA

12. Other information

Signature of owner: [Signature]
Date: 12-31-63

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

Owner: Ray E. Sengers  
Address: Oel Girl, Montana

Driller: Ray E. Sengers  
Address: Oel Girl, Montana

Date Started: January 6, 1958  
Date Completed: January 8, 1958

Location: Sec. 34, T. 114 N., R. 23 E., 1/4 sec. 58

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Churn drill, rotary, other</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Municipal</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Stock</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Irrigation</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Drainage</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Other:</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Casing: Surface ft. to ft.  
Type: Black | Size: 6
Casing: Surface ft. to ft.  
Type: Alum. | Size: 6
Casing: Ft. to Ft.  
Type: Size:
Perforated or Screened: Ft. to Ft.
Type of screen or perforations: Factory perforation
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. at: gal. per min.
How tested: (date)
Length of test: (date)
Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)

(over)