STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>Town</th>
</tr>
</thead>
<tbody>
<tr>
<td>Muggl Bros Inc.</td>
<td>Miles City</td>
<td></td>
</tr>
</tbody>
</table>

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

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

3. Date or approximate date of earliest beneficial use: January 1, 1938

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1938

8. The depth of water table: 50 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: Hard water well, 30 feet in depth

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 The estimated amount of groundwater withdrawn each year: 200,000 gallons

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

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

Signature of Owner:

Date: December 23, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Muggli Bros Inc. of FFD 11 Miles City

County of Custer 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: domestic, livestock and commercial.

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

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

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: pressure pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 1927.

8. The depth of water table: 190 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: artesian well 120 feet 14' casing and 39 feet of 6' casing.

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

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

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

MUGGLI BROS INC.

Signature of Owner: 

Date: December 26, 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.
DECLARATION OF VESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Name: Clarence E. Rathbun
   Address: 123 Main St, Anytown, MT
   County: Custer
   State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
      Aug. 25, 1932 till present date

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): Approx. 150 gal. per day
      60,000 gallon per year

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      Well drilled on August 25, 1932

   8. The depth of water table: 250 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 withdrawal of groundwater:
      200 Feet Deep

   10. The estimated amount of groundwater withdrawn each year: 60,000 gallons

   11. The log of formations encountered in the drilling of each well if available:
      20 feet top soil- 20 feet gravel- 200 feet shale

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

      Signature of Owner: Clarence E. Rathbun
      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 Approprietor.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

(Owner's Name)
(Address)
(Town)
(County)
(State)

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

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

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

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

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

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

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

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

8. The depth of water table:

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

10. The estimated amount of groundwater withdrawn each year:

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

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

Signature of Owner:

Date:

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology; and quadruplicate for the Appropriate.
STATE OF MONTANA  
ADMINISTRATOR OF GROUNDWATER CODE  
OFFICE OF STATE ENGINEER  

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

Abra A. Palermo  
of 715 E. Beverley St.  

1. Name and Address of Appropriator  

County of  
State of  

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

2. The beneficial use on which the claim is based  

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

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

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: Abra A. Palermo  
Date: Dec. 31, 1965  

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

1. **Lawrence Wolgemann** of **Miles City**
   (Name of Appropriator)  
   (Address)  
   (Town)  
   County of **Custer**  
   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>
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</thead>
<tbody>
<tr>
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</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based:  
   **Household and Livestock**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:  
   **1929 - Continuously**

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

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

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

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

8. The depth of water table:  
   **22 FT**

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:  
   **4' Casing - 200 LF Depth**

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

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

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

   **Signature of Lawrence Wolgemann**  
   Date: **12-18-62**

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

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

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

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

<table>
<thead>
<tr>
<th>Alvin Birkhols</th>
<th>Box 112</th>
<th>Miles City</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name of Appropriator</td>
<td>Address</td>
<td>(Town)</td>
</tr>
<tr>
<td>County of</td>
<td>State of Montana</td>
<td></td>
</tr>
</tbody>
</table>

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: livestock water.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1959.

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1929.

8. The depth of water table: Unknown.

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

10. The estimated amount of groundwater withdrawn each year: 500 gallons a day probably average.

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: None to my knowledge.

Signature of Owner: Alvin Birkhols
Date: December 12, 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 Quadricuplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Alvin E. Birchhole
of Box 112 Route 1, Miles City

County of Custer
State of Montana

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1928 - continuous use.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: not known - approximately 1928.

8. The depth of water table: known.

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: not known.

10. The estimated amount of groundwater withdrawn each year: 540,000 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: [Signature]
Date: December 9, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Location: Sec. 8 T. 5 R. 48 E</th>
<th>Owner: John Huseq</th>
<th>Address: Miles City, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Started: Dec. 24, 1959</td>
<td>Date Completed: Dec. 30, 1959</td>
<td></td>
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</tbody>
</table>

### WaterWell Log

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

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>263</td>
<td>Standard</td>
<td>4-in.</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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<tbody>
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<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to ft.</th>
<th>Type</th>
<th>Size</th>
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<tbody>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>Ft. to Ft.</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>63</td>
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<table>
<thead>
<tr>
<th>Type of screen or perforations</th>
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<tbody>
<tr>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
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<tbody>
<tr>
<td>62</td>
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</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
</tr>
</thead>
<tbody>
<tr>
<td>62 feet at</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>How tested:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drainage</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 hour</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Remarks (over)</th>
</tr>
</thead>
<tbody>
<tr>
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</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...1930
Abner G. Farnum and
Owner: Katharine Farnum Address: Yellowstone Valley
Miles City, Montana

Contractor (if any) None

Address of Contractor

Date Started 1930 Date Completed 1930

Describe means of obtaining groundwater without a well "as by
sub-irrigation and other natural processes". Include depth to
water when applicable. This water is taken from the
surface through a continuously flowing spring
through pipes into a stock water tank.

Lot 2 Sec. 24 T 8 N R 48 E.

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

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. The use is
continuous and the water appropriated is 2
cubic feet per second of time.

Signature of Owner: Katharine Farnum
Date: November 1, 1932

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
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: 1930

Abner G. Farnum and
Owner: Katherine Farnum
Address: Yellowstone Valley
Miles City, Montana

Contractor (if any): None

Address of Contractor

Date Started: 1930, Date Completed: 1930

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. This water is taken from the surface through a continuously flowing spring through pipes into a stock water tank.

Lot 2
Sec. 24, T 8 N R 48 E
Indicate point of appropriation and place of use, if possible.

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. The use is continuous and the water appropriated is 2 cubic feet per second of time.

Signature of Owner: Abner G. Farnum
Date: November 7, 1967

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.
Montana Water Resources Board
Groundwater Division
Mitchell Building
Helena, Montana 59601

Gentlemen:

Your enclosed request addressed to Abner G. and Katherine Farnum was referred to us for reply.

The correct date that should have appeared under the names of the owners is November 7, 1969, and upon checking in the County Clerk and Recorders office we find that the notice filed there has the correct date.

You also asked for information concerning the amount of annual withdrawal in gallons per year and as near as we can figure this it is approximately five hundred million gallons per year.

Yours very truly,

Bruce M. Brown

Montana Water Resources Board
RECEIVED
JAN 28 1970
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.

Richard Lane Segar
Owner

Address 2311 Sudlow, Miles City, Montana 59301

Date well started 12-22-70
Date well completed 12-31-70

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

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Rate of</th>
<th>Rate</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>Depth</td>
<td>Head</td>
<td>Feet</td>
<td>Feet</td>
</tr>
<tr>
<td>5 1/2</td>
<td>0</td>
<td>170</td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS

<table>
<thead>
<tr>
<th>Depth</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>3 1/8</td>
<td>230</td>
<td>270</td>
</tr>
</tbody>
</table>

Static water level 125 ft.
Pumping water level 160 ft.
at 10 gallons per minute, measured 60 minutes after pumping began.

*Measured from ground level.
Well developed by Balder for 2 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
Driller's Address
Miles City, Montana
LICENSE NO. 12

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
</tr>
<tr>
<td>10</td>
<td>15</td>
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</tr>
<tr>
<td>210</td>
<td>220</td>
</tr>
<tr>
<td>220</td>
<td>270</td>
</tr>
</tbody>
</table>

Show exact depth of bottom 270
31899

FILED
At 4:30 O'Clock P.M.
June 14, 1971

S. L. Fass
County Clerk and Ex-Officio Recorder of
Castor County, Montana

By February

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

John L. Aye
of 2105 Brishin
Miles City

County of Custer
State of Montana

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

1. The beneficial use on which the claim is based: domestic and irrigation.
2. Date or approximate date of earliest beneficial use: 1956 continuous.
3. The amount of groundwater claimed: 10 gallons per minute.
4. If used for irrigation, give the acreage and description of the land to which water has been applied: 34 1/2 acre John L. Aye, Section 34, T. 8N., R. 48E.
5. The means of withdrawing such water from the ground: electric pump.
6. The date of commencement and completion of the construction of the well: 1956.
7. The depth of water table: 120 feet.
8. So far as it may be available, the general specifications of any other works for the withdrawal of groundwater: drilled, 4" casing, 120 feet deep.
9. The estimated amount of groundwater withdrawn each year: 1/2 acre-foot.
10. The log of formations encountered in the drilling of each well: none.
11. Such other information of a similar nature as may be useful in carrying out the policy of this act, including reference to book and page of any county record: none.

Signature of Owner: John L. Aye
Date: 12/31/62

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

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

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

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

1. Name of Appropriator: John Doe
   Address: 2116 Main, City
   County of Appropriation: Custer
   State of Appropriation: 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: Domestic and irrigation

3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 1910

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

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof: 3/4 acre

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: about 1910

8. The depth of water table: not sure but about 300 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4 ft. diameter 300 feet deep. These are estimated

10. The estimated amount of groundwater withdrawn each year: one acre foot

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

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

Signature of Owner: John Doe
Date: December 12, 1960

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)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

<table>
<thead>
<tr>
<th>Top of Ground</th>
</tr>
</thead>
<tbody>
<tr>
<td>Elev. above sea level:</td>
</tr>
</tbody>
</table>

Date of Notice of Appropriation of Groundwater: Date Completed: 

Type of well: Drilled, Equipment Used: Rotary (Cured, 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>Feet</th>
<th>To (Feet)</th>
<th>PERFORMANCES</th>
</tr>
</thead>
<tbody>
<tr>
<td>6'</td>
<td>4 1/4'</td>
<td>0'</td>
<td>18'</td>
<td></td>
</tr>
</tbody>
</table>

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

How Tested: 
Remarks: (Gravel packing, cementing, packers, type of cutoff, 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: 50 
Driller's Signature: 

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

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

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. 

3817
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: Paul Hertzog
Address: Miles City
File: 3495
Date well started: 12-22-71
Date well completed: 2-18-72

Type of well: Drilled
Equipment used: Rotary
Water Use: Domestic ■ Municipal ■ Stock 7 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>Depth</th>
<th>Size and Weight of casing</th>
<th>Perforations</th>
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</thead>
<tbody>
<tr>
<td>775</td>
<td>4&quot; x 10&quot;</td>
<td>300</td>
</tr>
<tr>
<td>575</td>
<td>4&quot; x 70'</td>
<td>300</td>
</tr>
</tbody>
</table>

Static water level: 100 ft.
Pumping water level: 70 ft.

Power: Pump: 10 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: N.D. Hoppman
Driller's Address: 21110 Curtis
License No.: 12

Show exact depth of bottom: 510.50
34015

FRONT

M 12:30 A.M
July 31, 1890

County Clerk and Addl Recorder of
Dow, Grant, Michigan

By: Reed Reed
Deputy
<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>FARM, ABE (KATHY)</td>
<td>GW-4</td>
<td>18323</td>
<td></td>
</tr>
<tr>
<td>22</td>
<td>MUGGLE BROTHERS INC.</td>
<td>GW-4</td>
<td>10044</td>
<td></td>
</tr>
<tr>
<td></td>
<td>MUGGLE BROTHERS INC.</td>
<td>GW-3</td>
<td>10063</td>
<td>No Section Number</td>
</tr>
</tbody>
</table>
### Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

**Declaration of Appropriation**

<table>
<thead>
<tr>
<th>Name of Appropriator</th>
<th>Address</th>
<th>County of</th>
<th>State of</th>
</tr>
</thead>
<tbody>
<tr>
<td>John Doe</td>
<td>P.O. Box 123</td>
<td>Flathead</td>
<td>Montana</td>
</tr>
</tbody>
</table>

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

1. **Description of Use**
   - **Location:** Stockwater

2. **Beneficial Use**
   - The beneficial use on which the claim is based is Stockwater.

3. **Date of Use**
   - 1 January, 1962 (continued)

4. **Amount of Groundwater**
   - The amount of groundwater claimed (in miner's inches or gallons per minute) is 24 MGD.

5. **Irrigation Details**
   - 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. **Means of Withdrawal**
   - The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.

7. **Date of Construction**
   - The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater is 1 January, 1962.

8. **Depth of Water**
   - The depth of water table is 230 feet.

9. **General Specifications**
   - If so far as it may be available, the type, size and depth of each well and the general specifications of any other works for the withdrawal of groundwater is:

10. **Estimated Amount**
    - The estimated amount of groundwater withdrawn each year is 185,000 gallons per year.

11. **Log of Formations**
    - The log of formations encountered in the drilling of each well.

12. **Other Information**
    - 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:** Jan 21, 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.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Muggli Bros Inc. of Miles City, Mont.

County of Glacier
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.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...1959 and continuous since.

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

MUGGLI BROS INC.
Signature of Owner
Date December 28, 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
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: December 28, 1963

Owner: M C Ml Bux, Inc. Address: Miles City, Montana

Contractor (if any):none

Address of Contractor: none

Date Started: 1915 Date Completed: 1915

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

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: Livestock and domestic use, continuous use through gravity flow of 14" pipe

Section number

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology and Quadruplicate for the Appropriator.
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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<tbody>
<tr>
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<td>WELLSON, NORMAN H.</td>
<td>Gw-4</td>
<td>11058</td>
<td></td>
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<tr>
<td>5</td>
<td>NYBO, CASPER</td>
<td>Gw-4</td>
<td>11280</td>
<td></td>
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<tr>
<td>7</td>
<td>BORINE, BURENT</td>
<td>Gw-2</td>
<td>4118</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>BORINE Krich</td>
<td>Gw-4</td>
<td>11314</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>NYBO, CASPER</td>
<td>Gw-4</td>
<td>11291</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>NYBO, CASPER</td>
<td>Gw-4</td>
<td>11299</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>BARUCK, MERRELL J. WINKFRED</td>
<td>Gw-3</td>
<td>10377</td>
<td></td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. NORMAN H. WILLSON
   of Powderville Stage, Miles City
   (Name of Appropriator)
   (Address)
   State of Montana
   (Town)
   County of Custer
   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 and garden

3. Date or approximate date of earliest beneficial use; and how continuous the use has been...1936 continuous

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater...1936...This is dug well

8. The depth of water table...32 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...Dug well, 2½ in diameter, 32 feet deep...

10. The estimated amount of groundwater withdrawn each year...1/2 acre feet

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

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

Signature of Owner...Date: 12/30/63

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; Tripllicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. [Name of Appropiorant] of [Ponderville Stage, Miles City] (Address) (Town) have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

2. The beneficial use on which the claim is based: Stock Water
   Well
   [Diagram or illustration]

3. Date or approximate date of earliest beneficial use: June 1961, when needed for Stock Water.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): The water flowed in the tank until it could be measured with a hall.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Pump jack with gas motor. Section 5-6-50 E.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Completed in June 1961.

8. The depth of water table: 30 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: 6" pipe, size of Casings 4".

10. The estimated amount of groundwater withdrawn each year: Not known.

11. The log of formations encountered in the drilling of each well if available: 0-20 Sand, 25-40 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:

   [Additional information]

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

Owner: Buren Beninc Address:
Driller: Floyd Higgins Address: Miles City

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

Type of well Drilled Equipment Used: Rotary
(dug, driven, bored or drilled) (Churn, drill, rotary or other)

Water Use: Domestic Municipal Stock Irrigation
Industrial Drainage Other

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

Static Water Level for non-flowing Well: 400 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 500 feet at 5 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: Pump Length of Test: 72 hrs.

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:
Driller's Signature:

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

DECLARATION OF VESTED GROUNDWATER RIGHTS

(Name of Appropriator) (Address)

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: __________

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

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

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

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

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

8. The depth of water table encountered during drilling:

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other equipment used in connection with 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:

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

Signature of Owner:

Date:

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

Please answer all questions. If not applicable, so state, otherwise the form will be returned.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

I, STATE OF MONTANA

Administrator of Groundwater Code
Office of State Engineer

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

1. Name of Appropriator: Powderville Stage, Miles City
   Address: (Address)
   Town: (Town)
   County of: Custer
   State of: Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: Continuous use since about 1918.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Not known as it is a dug well.

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Electric Pressure System on Section 5-6-50 E.

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

8. The depth of water table: About 26 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:

10. The estimated amount of groundwater withdrawn each year: Not known.

11. The log of formations encountered in the drilling of each well if available: Hand Dig. 16 Feet of Top Soil and Clay and the rest Gravel.

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

Signature of Owner: ___________________________
Date: Jan 2, 1964

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Name of Appropriator: [Name of Appropriator]
   Address: [Address]
   Town: [Town]
   County of: [County]
   State of: [State]

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

3. Date or approximate date of earliest beneficial use: [Date]
   How continuously the use has been: [Continentally]
   When needed: [Indicate]

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

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

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

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

8. The depth of water table: [Depth]

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

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

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

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

Signature of Owner: [Signature]
Date: [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.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1914

Owner: Merrill J. & Winnifred Babcock
Address: Locate, Montana

Contractor (if any): None

Address of Contractor:

Date Started: Date Completed:

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

Stock water, irrigation and personal use

Merrill J. & Winnifred Babcock
Signature of Owner: Ry.

Date: December 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 and quadruplicate for the Appropriator.
FILE

H. E. Anderson
County Clerk and Ex-Officio Deputy
Custer County, Montana
<table>
<thead>
<tr>
<th>Ser.</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>NORTHERN PACIFIC RAILWAY CO.</td>
<td>Gw-3</td>
<td>1669</td>
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<tr>
<td>2</td>
<td>GRAFF - HANSEN</td>
<td>Gw-1</td>
<td>32420</td>
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</tr>
<tr>
<td>10</td>
<td>ODEGAARD, ANDREW</td>
<td>WATER WELL</td>
<td>1887/4</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>ODEGAARD, ANDREW</td>
<td>WATER WELL</td>
<td>1887/5</td>
<td></td>
</tr>
<tr>
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<td>NORTHERN PACIFIC RAILWAY CO.</td>
<td>Gw-3</td>
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<tr>
<td>14</td>
<td>BUREAU OF LAND MANAGEMENT</td>
<td>Gw-2</td>
<td>24321</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>ODEGAARD, ANDREW</td>
<td>WATER WELL</td>
<td>1887/6</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>RABECK, MERLE J. EUGSTER</td>
<td>Gw-3</td>
<td>10878</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>NORTHERN PACIFIC RAILWAY CO.</td>
<td>Gw-4</td>
<td>16693</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>WAGON ROD RANCH INC. (BISLER, AL)</td>
<td>Gw-2</td>
<td>16567</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... 1906.

Owner: Northern Pacific Railway Company. Address: St. Paul, Minn.

Contractor (if any) .................................................................

Address of Contractor ............................................................

Date Started........................................ Date Completed...........

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. Spring, used since 1906.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Spring flows 1 gallon per minute, measured over a period of time. Water flows directly into tank from hillside.

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 Apprropriator.

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.
### Montana Bureau of Mines and Geology

#### Butte, Montana

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
<th>Driller</th>
<th>Address</th>
<th>Date Started</th>
<th>Date Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Andrew Ciesiak</td>
<td>Leona, Mont.</td>
<td>George Askia</td>
<td>Miles City, Mont.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

- **Type of well:** Artesian
- **Equipment used:** Drilling
- **Water use:** Domestic [x] Municipal [x] Stock [x] Irrigation [x]
- **Industrial** [ ] Drainage [ ] Other: [ ]

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

- **Perforated or Screened:**
  - Ft. to Ft. to Ft.

- **Type of screen or perforations:**

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

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

- **Pumping water level:**
  - feet at 360 gal. per min.

- **How tested:**
- **Length of test:**

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

(over)