STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

(Name of Apprairiator) [Signature of Owner]

County of [County]
State of [State]

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

1. [Name of Apprairiator] of [Address] (Town)

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

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

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

5. If used for irrigation, give the average 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 The estimated amount of groundwater withdrawn each year: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: [Signature]
Date: Dec 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

1. Mackay Ranch, of

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>55</td>
</tr>
</tbody>
</table>

County of

State of

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. 1946 - Continuous

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

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

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 Appraiser:

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 Appraiser.
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)

Indicate the character, color, thickness of strata such as soil, clay, sand, gravel, shale, sandstone, etc. Show depth at which water is found and height to which water rises in well.

**NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL**

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**

**Address**

**Date well started**

**Completed**

**Type of well**

**Equipment used**

**Water Use**

- Domestic
- Municipal
- Stock
- Irrigation
- Industrial
- Drainage
- Other
- Garden/Lawn

**Describe USE**

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

**ESTIMATED ANNUAL WITHDRAWAL**

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Size of Hole</th>
<th>Depth of Hole</th>
<th>Feet</th>
<th>Top to Feat</th>
<th>Stated Date</th>
<th>Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>2&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3/4&quot;</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Static water level**

**Pumping water level**

at 5 gallons per minute, measured 10 minutes after pumping began.

*Measured from ground level.

Well developed by for 24 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**

**License No.**

540 Show exact depth of bottom

50,863
<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>
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<tr>
<td>1</td>
<td>Mr. Fred</td>
<td>5-35-423</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Johnson Bros.</td>
<td>5-34-424</td>
<td>1993-09-9</td>
<td></td>
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<tr>
<td>7</td>
<td>Woodard Brothers</td>
<td>5-1-425</td>
<td>1993-09-9</td>
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<tr>
<td>8</td>
<td>Parkman Bros.</td>
<td>5-2-426</td>
<td>1993-09-9</td>
<td></td>
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<tr>
<td>9</td>
<td>Clark Co.</td>
<td>5-3-427</td>
<td>1993-09-9</td>
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<td></td>
<td>5-4-428</td>
<td>1993-09-9</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Miller Bros.</td>
<td>5-5-429</td>
<td>1993-09-9</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Martin Co.</td>
<td>5-6-430</td>
<td>1993-09-9</td>
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</tr>
<tr>
<td>21</td>
<td>Williams Bros.</td>
<td>5-7-431</td>
<td>1993-09-9</td>
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<td>22</td>
<td>Brown Co.</td>
<td>5-8-432</td>
<td>1993-09-9</td>
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<td>24</td>
<td>Morris Co.</td>
<td>5-9-433</td>
<td>1993-09-9</td>
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<tr>
<td>29</td>
<td></td>
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</tbody>
</table>

Special In

The
1. Find on back copy of form.
2. Form to which file here.
3. Water, if not groundwater.
5. Attached to folder.
# MONTANA BUREAU OF MINES AND GEOLOGY
## BUTTE, MONTANA
### WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Plena Mont</td>
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</table>

<table>
<thead>
<tr>
<th>Driller</th>
<th>Address</th>
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<tbody>
<tr>
<td></td>
<td>Miles City, Mont</td>
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<table>
<thead>
<tr>
<th>Date Started</th>
<th>Date Completed</th>
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<tbody>
<tr>
<td>11/1/12</td>
<td>3/7/37</td>
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<th>Location: Sec.</th>
<th>T.</th>
<th>R.</th>
<th>S.E.</th>
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<td>5</td>
<td>1/4</td>
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<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
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</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>Rotary</td>
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<table>
<thead>
<tr>
<th>Water use:</th>
<th>Domestic</th>
<th>Municipal</th>
<th>Stock</th>
<th>Irrigation</th>
<th>Industrial</th>
<th>Drainage</th>
<th>Other</th>
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</table>

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

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

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

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

<table>
<thead>
<tr>
<th>Shut-in pressure, for flowing well:</th>
<th>1b. sq. in. on:</th>
<th>(date)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
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</table>

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

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

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>Gravel packing, cementing, packers, type of shut-off, depth of shut-off</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>1</td>
<td>20</td>
</tr>
<tr>
<td>21</td>
<td>110</td>
</tr>
</tbody>
</table>

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

1. Fall Ranch Co., of Loma
   (Name of Appropriator) (Address) (Town)

   County of Fallon State of Montana

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: not known for sure, but probably thirty years

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): not able to measure as the spring comes up in a wet coal back.

   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: flowing spring

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

   8. The depth of water table: not 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: flowing spring with a wooden tub to hold the water

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

   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: not available

   Signature of Owner: 7/17/63
   Date: 3/6/63

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

1. (Name of Approp. of) (Address) (Town) County of State of

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

2. The beneficial use on which the claim is based

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

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

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

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

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

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year

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

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

Signature of Owner

Date

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

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

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

1. Name of Appropriator: John Doe
   Address: 123 Main St.
   (Name of Appropriator) (Address)

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

3. Date or approximate date of earliest beneficial use: January 1, 1950; and how continuous the use has been: Every year since then.

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: 10 acres, Town of Smithville; John Smith.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: January 1, 1950 to December 31, 1950.

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: 50 feet deep, 10 inches in diameter.

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

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

Signature of Owner: John Doe

December 28, 1962

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

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

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

L. J. Illog
(Name of Appropriator)

County of

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.
   Stockwatering

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

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.
   Centrifugal pump with gas engine

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater.
   This well was hand dug in about a half a day in August of 1934 and been in use since for stockwatering

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.
   This well was hand dug to a total depth of 12 feet and cased with wood curving, about 4 feet square. It is now equipped with a centrifugal pump with a gas engine

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 December 26, 1967

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)

A.W. Gilllog, of Fallon, Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

1. Stockwatering and household.

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) 10 gallons per minute.

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Well was drilled in fall of 1959 and placed in production within a few days and has been in production since.

8. The depth of water table 18 feet from surface.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater. Well was drilled to a depth of 900 feet, cased to bottom with steel casing, from bottom to about 400 feet from surface with 4 inch casing and the rest of way to surface with six inch steel casing. Equipped with cylinder pump with windmill for power.

10. The estimated amount of groundwater withdrawn each year 615,000 gallons per year.

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

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

Signature of Owner

Date December 26, 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)

1. **Palm Ranch Co.**, of **Lamey**
   - County of **Fallon**
   - State of **Montana**
   - have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **Jan 1948** and used **continually since**

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

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: **Flowing well**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **Jan 1946**

8. The depth of water table: **440 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: **Flowing well at 10 gal. per hour at 440 feet**

10. The estimated amount of groundwater withdrawn each year: **5,000 gal./year**

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

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

Signature of Owner: **J. R. Palm**
Date: **Dec 23, 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; Triplet 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)

County of __________ State of __________

I, __________, of the County of __________, 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.

1969 continuous

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

10 gal. per min.

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

Flowing well

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

Unavailable

8. The depth of water table

300 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

Flowing well, 300 ft. deep

10. The estimated amount of groundwater withdrawn each year

2, 628, 000

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

Unavailable

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

Unavailable

Signature of Owner

Mackey Ranch

Date: 12-23-63

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

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

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

1. **Name of Appropriator**: Palm-Ranch Co.,
   **Address**: 7119-A.
   **Town**: Ismay.

2. **County of**: Fallen, **State of**: Montana.

3. **Claim Date** (as of January 1, 1962):
   - **Beneficial Use Type**: Stock water
   - **Beneficial Use Dates**: This spring dates back to the days of the horse soldier

4. **Amount of Groundwater Claimed**: 5 gallons / minute

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**:
   - **Spring**: Flushing spring
   - **Groundwater Source**: Not used for irrigation

7. **Date of Commencement and Completion**: Not known.

8. **Depth of Water Table**: Not known.

9. **Log of Formations**: Not available.


11. **Well Logs**: Not available.

12. **Other Information**: Not available.

Signature of Owner: [Signature]

Date: Dec. 25, 1962

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

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

DECLARATION OF VESTED GROUNDWATER RIGHTS

(UNDER CHAPTER 237, MONTANA SESSION LAWS, 1961)

Appropriator: Palm Ranch Co., of
County of: Fallon, State of: Montana

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1952, as follows:

1. Date of approximate date of earliest beneficial use: 1/1/1900
2. The beneficial use on which the claim is based: Stockwater
3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1/1/1900 until the well was in use.
4. The amount of groundwater claimed (in miner's inches or gallons per minute): 3 gallons per minute
5. If used for irrigation, give the area 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: Windmill

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1/1/1900
8. The depth of water table: 9.95 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: Windmill - 3 gal/m
10. The estimated amount of groundwater withdrawn each year: 1,000,000
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: Not available

Signature of Owner: T. M. Palm
Date: Dec 30, 63 Pm.

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>1. <strong>Declaration of Vested Groundwater Rights</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Name of Appropriator:</strong> Mackay Ranch</td>
</tr>
<tr>
<td><strong>Address:</strong> of</td>
</tr>
<tr>
<td><strong>State:</strong> Mont.</td>
</tr>
<tr>
<td><strong>County:</strong> Gallatin</td>
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<tr>
<td><strong>Date of earliest beneficial use:</strong></td>
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<tr>
<td><strong>Amount of groundwater claimed:</strong> 25 gal. per min.</td>
</tr>
<tr>
<td><strong>Means of withdrawing:</strong> flowy well</td>
</tr>
<tr>
<td><strong>Date of commencement:</strong> unavailable</td>
</tr>
<tr>
<td><strong>Depth of water table:</strong> 950 ft.</td>
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<tr>
<td><strong>Estimated amount withdrawn each year:</strong> 22,380,000</td>
</tr>
<tr>
<td><strong>Log of formations:</strong> unavailable</td>
</tr>
</tbody>
</table>

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. Mackay Ranch, or
   (Address) Montana
   County of
   State of
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

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

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

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>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
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</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

John Lorraine Schaefer
County of Systems
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: stockwater

2. Date or approximate date of earliest beneficial use; and how continuous the use has been: Sept 15, 1951

3. The amount of groundwater claimed (in miner's inches or gallons per minute): 7 gpm for 2 minutes

4. If used for irrigation, give the acreage and description of the lands to which water has been applied, and the name of the owner thereof: 10 acres in Section 5, Township 1, Range 2, in the State of Montana

5. The depth of water table: 10 feet

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Sept 15, 1951 and completed

8. The estimated amount of groundwater withdrawn each year: 250,000 gallons

9. The log of formations encountered in the drilling of each well if available: No log available

10. 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 Lorraine Schaefer
Date: Dec 30, 1963

Three copies to be filed by the owner with the County Clerk and Recorder of the county in which the well is located. Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

(Under Chapter 237, Montana Session Laws, 1961)

Edward Schell  
of Flewna

County of Fallon  
State of Montana

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

1. Name of Appropriator: Edward Schell

Address: Flewna

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

3. Date or approximate date of earliest beneficial use: Year 1952, used continuously since that date

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Year 1962, drilled well, cylinder pump at lower end of tubing suspended in well

8. The depth of water table: 100 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" casing, 2" tubing, cylinder pump

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

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

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

Signature of Owner: Edward Schell  
Date: Dec. 26, 1963

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

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

Original to the County Clerk and Recorder: Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
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 ____________________________
Address ____________________________

Date well started ____________
completed ____________

Top of Ground ____________ (ft. above sea level)

<table>
<thead>
<tr>
<th>From (Foot)</th>
<th>To (Foot)</th>
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</table>

Type of well: ____________________________

Equipment used: ____________________________

Water Use: Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □ Garden/Lawn □

*Describe__________________________

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

ESTIMATED ANNUAL WITHDRAWAL__________________________

PERIODS

<table>
<thead>
<tr>
<th>Start Date</th>
<th>End Date</th>
<th>From (Foot)</th>
<th>To (Foot)</th>
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</table>

Static water level ____________________________ ft. *
Pumping water level ____________________________ ft. *
at ____________________________ gallons per minute,
measured ____________________________ minutes after pumping began.

*Measured from ground level.

Well developed by ____________________________
for ____________________________ hours.

Power__________________________ Pumps: ____________________________ 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 ____________________________

LICENSE NO. ____________________________

County ____________________________

Show exact depth of bottom

16 711
9961

FALLON COUNTY
BAKER, MONTANA

Filed for Record
11:30 o'clock A.M.
JUL 22 1970

Count Clerk

FEE: $2.00

Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
MONTANA WATER RESOURCES BOARD
NOTICE OF COMPLETION OF GROUNDWATER
APPROPRIATION BY MEANS OF WELL
Developed after January 1, 1962
(Under Chapter 237 Montana Session Laws, 1961, as amended)
This form to be prepared by driller, and three copies to be filed
by the owner with the County Clerk and Recorder in the county in
which the well is located, last copy to be retained by driller.
Please answer all questions. If not applicable, so state, otherwise the
form may be returned.

Owner
Address
Date well started
completed
Type of well
Equipment used
Water Use:
Domestic
Municipal
Stock
Irrigation
Industrial
Drainage
Other
Garden/Lawn

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

ESTIMATED ANNUAL WITHDRAWAL

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

DRILLER'S LOG
Indicate the character, color, thickness of strata such as soil, clay, sand,
gravel, shale, sandstone, etc. Show depth to which water is found and
height to which water rises in well.

Top of Ground

<table>
<thead>
<tr>
<th>Height (feet)</th>
<th>Recorded Elevation (feet)</th>
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Dynamic Water Level

<table>
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<th>Measured from ground level.</th>
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Well developed by
for
Power
Remarks
(Gravel packing, cementing,
packers, type of cutoff)

Show exact depth of bottom

Driller's Signature
Driller's Address

LICENSE NO. 47
Notice of Completion of Groundwater Appropriation by Means of Well

(Each copy to be kept by different agencies)

GROUNDED WATER

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1911)

Owner: [Name]
Address: [Address]
Driller: [Name]
Address: [Address]

Date of Notice of Appropriation of Groundwater: [Date]
Date well started: [Date]
Date completed: [Date]

Type of well: Drilled
Equipment Used: [Type of equipment]

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>
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<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Chaining</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Perforations</th>
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<td>0</td>
<td>6 1/2</td>
<td>54</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well: 47 feet
Shut-in Pressure for flowing well: 57 feet at 10 gal. per minute
Pumping Water Level: 57 feet at 10 gal. per minute
Discharge in gal, per min. of flowing well: [ ]
How Tested: [ ]
Length of Test: [ ]

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)

[Diagram]

Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

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 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)

1. Bureau of Land Management of Box 960, 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:

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:
   - 1939 - continuous

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

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Windmill - Exhibit of Sec. 2

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - 1939

8. The depth of water table:
   - 10 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, 10' deep. Never has gone dry. 22' tower & 8' head.

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

District Manager

Date: 2/3/63

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

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

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

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

1. Bureau of Land Management of Box 950, Miles City
   (Name of Appropriator) (Address) (Town)
   County of State of
   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 1939 - continuous

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
      Windmill - NW 1/4 SW, T 65 N, R 37 E

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1939

   8. The depth of water table 10'

   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
      Dry well, 10' deep, never has gone dry, 22' tower & 6' head

   10. The estimated amount of groundwater withdrawn each year 1,500,000 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

   District Manager

   Date 12/13/1963

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.
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Earnest D. Helst
Address: Clinton, Mont

Driller: George F. Askim
Address: Miles City, Mont

Date Started: Oct. 5, 1957
Date Completed: Oct. 15, 1957

Location: Sec. 6 T. 63 R. 57 1/4 sec. N. 15

Type of well: Drilled

Equipment used: Rotary drill

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

Casing: 0 ft. to 200 ft. Type Black Standard 4"
Casing: 200 ft. to 410 ft. Type " " Size 3"
Casing: 410 ft. to 810 ft. Type " " Size 2 1/2"

Perforated or Screened: 710 ft. to 810 ft. Ft. 3/4 to ft.

Type of screen or perforations: Slotted

Static Water level, for non-flowing well: 0 ft.

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

Pumping water level: 65 ft. feet at 20 gal. per min.

How tested: Balzer test

Length of test: 12 hrs.

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 380</td>
<td>Gumbo</td>
</tr>
<tr>
<td>380 - 420</td>
<td>Sand</td>
</tr>
<tr>
<td>420 - 710</td>
<td>Gumbo</td>
</tr>
<tr>
<td>710 - 810</td>
<td>Sand</td>
</tr>
</tbody>
</table>

125 842
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. John E. La Cere, of Helena, 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 1960

4. The amount of groundwater claimed (in miner's inches or gallons per minute) 10 gallons a 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. Electric motor and pump located at well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater 1960

8. The depth of water table 20 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

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

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 E. La Cere Date Dec. 7, 1963

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

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

Original to the County Clerk and Recorder; Duplicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

**File Number:** 5 County: Fallon

**State of Montana**
**Administrator of Groundwater Code**
**Office of State Engineer**

Owner: Barrow Land Management
Address: Miles City, Montana

Driller: Henry L. Johnson
Address: Terry, Montana

Date of Notice of Appropriation of Groundwater: None

Date Well Started: 1/25/52
Date Completed: 1/27/62

Type of Well: Drilled
Equipment Used: Cable Charm

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 sand, 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 (ft)</th>
<th>Size of Drilled Hole Weight of Casting (lbs.)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>4' - 11 lbs. per ft.</td>
<td>0</td>
<td>170</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4 lines of holes</td>
<td>1 1/2 apart</td>
<td>3/8&quot; dia.</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4' deep</td>
<td></td>
<td>130&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1/2&quot; deep</td>
<td></td>
<td>170&quot;</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 105 feet.

Shut-in Pressure for Flowing Well: 110 feet at 15 plus gal. per minute.

Discharge in gal. per min. of flowing well: 1 hr.

How Tested: 15 gal. bailer. Length of Test: 1 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.

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 Approprietor.

Driller's License Number: 420
Driller's Signature: [Signature]

[Diagram showing well information and location of strata]

[Table showing well parameters and perforations]
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>Bureau of Land Management</th>
<th>Box 960, Miles City</th>
</tr>
</thead>
<tbody>
<tr>
<td>County of</td>
<td>Custer</td>
</tr>
<tr>
<td>State of</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. The beneficial use on which the claim is based ____________________________
   Livestock water

2. Date or approximate date of earliest beneficial use; and how continuous the use has been 1943 - continuous

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

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

5. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Windmill - NE1/4 Sec. 11

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

7. The depth of water table 12 ft.

8. The depth of each well if available Drilled well, 120 ft. deep

9. The estimated amount of groundwater withdrawn each year 1,500,000 gal.

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

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

District Manager

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, state otherwise the form will be returned.

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

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

1. Otto Pollster, of Box 66, Pluvna

County of Fallon, State of Montana

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

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

3. Date or approximate date of earliest beneficial use: July 1, 1943, daily for 8 months of each year 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: none

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: June 15, 1943, completed July 1, 1943

8. The depth of water table: 50'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 4" steel casing, 192' deep

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

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

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

Signature of Owner: ____________________________
Date: Dec. 20, 1963

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

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

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

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

1. Bureau of Land Management: of Box 960, Miles City
   (Name of Appropriator) (Address) (Town)
   County of State of Montana

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

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: April 1, 1950 - continuous

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

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

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal: Windmill - UNK of Sec. 14

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1939

   8. The depth of water table: 160'

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: Drilled well, 160'; deep, 8'; casing, 30'; tower & 8'; head

   10. The estimated amount of groundwater withdrawn each year: 1,500,000 gal.

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

   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:

   District Manager

   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 by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Geo A. Sparks
Address: Plevna

Driller: C H. Ashw
Address: Baker Mont

Date of Notice of Appropriation of Groundwater

Date well started: May 10
Date Completed: May 15

Type of well: Rotary
(Dug, driven, bored or drilled)

Equipment Used: Rotary
(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>Rate and Weight of Pumping</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>5 3/4</td>
<td>1.26</td>
<td>0</td>
<td>190</td>
<td>1.5</td>
</tr>
<tr>
<td></td>
<td></td>
<td>5.75</td>
<td>160</td>
<td>180</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 140 feet.

Shut-in Pressure for Flowing Well

Pumping Water Level: 145 feet at 10 gal. per minute.

Discharge in gal. per min. of flowing well

How Tested: Bailed
Length of Test: 2 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)

4.5E Sec. 15 T.6 R.57
Indicate location of well and place of use, if possible. Each small square represents 10 acres.

Show exact depth of bottom.

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

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.
NOTICE OF COMPLETION OF GROUNDWATER APPROPRIATION BY MEANS OF WELL

Developed after January 1, 1962

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

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

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

Date well started 3/7/71

Date well completed 6/11/73

Type of well Drilled

Equipment used Air 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, Addition).

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drill</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>20</td>
<td>4 x 20</td>
<td>350</td>
<td>370</td>
<td>1/8 x 4&quot;</td>
</tr>
</tbody>
</table>

Static water level 225 ft.
Pumping water level 265 ft.

Well developed for 15 hours.

Power: Pump, Hr

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. 154