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

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights

1. (Name of Appropriator) (Address) (Town) have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

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

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other 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 The estimated amount of groundwater withdrawn each year: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

Date

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

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

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

FILED FOR RECORD THIS 1st DAY
OF A.D. 1923

AT 4:45 O'CLOCK P.M.

COUNTY CLERK

DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

George Green
Owner
Address: Harlem, Montana

Simpson Drilling Co.
Address: Malta, Montana

Date of Notice of appropriation of ground water
Date well started: 3/29/64
Date completed: 4/1/64

Type of well drilled: Churn, drill, rotary or drilled

Equipment used: Cable tools

Water use: Domestic

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

Static Water Level for non-flowing well

Pumping Water Level

How Tested

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

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

[Diagram]

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 Appropriator.
**MONTANA BUREAU OF MINES AND GEOLOGY**
Butte, Montana

**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Type of well</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Drilled</td>
<td>CHURN DRILL</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Owner</th>
<th>William P. Farrell</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>HENLEY MONT</td>
</tr>
<tr>
<td>Driller</td>
<td>P. C. SIMPSON</td>
</tr>
<tr>
<td>Address</td>
<td>MALTA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date Started</th>
<th>10/29/57</th>
</tr>
</thead>
<tbody>
<tr>
<td>Date Completed</td>
<td>11/6/57</td>
</tr>
</tbody>
</table>

| Location: Sec | T 32 R 23 Sec 16 |

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

<table>
<thead>
<tr>
<th>Casing:</th>
<th>1 ft. to 232 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type</td>
<td>SCREW PIPE</td>
</tr>
<tr>
<td>Size</td>
<td>4&quot; I.D. 3/4&quot; WALL</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Perforated or Screened:</th>
<th>207 ft. to 232 ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Type of screen or perforations:</td>
<td>3/8 DRILLED HOLES 16 TO FOOT</td>
</tr>
</tbody>
</table>

| Static Water level, for non-flowing well: | 18 ft. |

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>60 feet at 15&quot;</th>
</tr>
</thead>
<tbody>
<tr>
<td>gal. per min.</td>
<td></td>
</tr>
</tbody>
</table>

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

| Length of test: | 70 min |

<table>
<thead>
<tr>
<th>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td>RUBBER packers at 200 ft</td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, Feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0 - 1</td>
<td>CORK BURDEN</td>
</tr>
<tr>
<td>1 - 39</td>
<td>SANDY CLAY</td>
</tr>
<tr>
<td>39 - 42</td>
<td>LOOSE GRAVEL &amp; Boulders</td>
</tr>
<tr>
<td>42 - 56</td>
<td>YELLOW CLAY, SAND &amp; SHALE STEAKS</td>
</tr>
<tr>
<td>56 - 60</td>
<td>SAND, WATER IN IT ABOUT 257 PPM</td>
</tr>
<tr>
<td>60 - 110</td>
<td>WATER SALT, ALKALI &amp; SEA</td>
</tr>
<tr>
<td>110 - 130</td>
<td>YELLOW BROWN SHALE</td>
</tr>
<tr>
<td>130 - 140</td>
<td>GRAY SHALE</td>
</tr>
<tr>
<td>140 - 155</td>
<td>DARK BROWN SHALE</td>
</tr>
<tr>
<td>155 - 190</td>
<td>LIGHT GRAY SHALE</td>
</tr>
<tr>
<td>190 - 224</td>
<td>SALT &amp; PEPPER SANDSYNE</td>
</tr>
<tr>
<td>224 - 230</td>
<td>SALT &amp; PEPPER SANDSYNE</td>
</tr>
<tr>
<td>230 - 232</td>
<td>LIGHT BLUE SHALE</td>
</tr>
</tbody>
</table>
STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE OFFICE

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

1. County of [Name of Approprietor] 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:
   (1) DRINKING
   (2) IRRIGATION
   (3) SAME

3. Date or approximate date of earliest beneficial use:
   YEAR ROUND

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   (1) 500,000 GALS APPROX
   (2) 330,000 GALS APPROX

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:
   GARDENS AND FERTILE PLOTS: GEORGE W. PHARES

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   ELECTRIC PUMPS. LOCATION AS DESCRIBED.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   (1) COMPLETION 1965
   (2) 1963 COMPLETED

8. The depth of water table:
   (1) 50 FT
   (2) 30 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:
   (1) ORIFELLED WELL 50FT 6 INCH CASINGS
   (2) DUG WELL 30 FT 4 FEET SQUARE WOOD CURBING

10. The estimated amount of groundwater withdrawn each year:
   (1) 500,000 GALS
   (2) 300,000 GALS

11. The log of formations encountered in the drilling of each well if available:
   (1) NOT AVAILABLE
   (2) NOT AVAILABLE

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

Signature of Owner
Date DEC. 31, 1963

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

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

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

2/1963
Declarations of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Appropriator (Applicant) or R. ( Rancher ) T. ( Town )
   County of State of
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>#1</td>
<td>#2</td>
<td></td>
</tr>
</tbody>
</table>

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

2. The beneficial use on which the claim is based:
   (1) Drinking
   (2) Irrigation
   (3) Same

3. Date or approximate date of earliest beneficial use, and how continued:
   (1) 1903 APPROX. YEAR BUILT
   (2) 1923 APPROX. YEAR BUILT

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
   (1) 1/2 ACRE MIN. APPROX.
   (2) 1/4 ACRE - MIN. APPROX.

5. If used for irrigation, give the acreage and description of the land to which water has been applied and name of the owner thereof:
   CROPS LITING WELL PLOTS: GEORGE W. FRINGS

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   ELECTRIC PUMPS, LOCATION AS DESCRIBED:

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   (1) COMPLETION 1948
   (2) 1948 COMPLETED

8. The depth of water table:
   (1) 20 FEET
   (2) 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:
   (1) DRILLED WELL 60 FEET 6 INCH CASING
   (2) DUG WELL 30 FEET 4 FEET SQUARE WOOD CASING

10. The estimated amount of groundwater withdrawn each year:
    (1) 500,000 GALLS
    (2) 300,000 GALLS

11. The log of formations encountered in the drilling of each well if available:
    (1) NOT AVAILABLE
    (2) NOT AVAILABLE

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

Signature of Owner:

Date: 05-31-1963

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 Appropriate. 

2/17/6
STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 31 DAY
OF December A.D. 1963
AT 2:30 O’CLOCK P.M.

Vera L. Fargason
COUNTY CLERK

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

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

1. EARL REYNOLDS
(Name of Appropriator)

300 Ninth Avenue South, Great Falls,
(Address)
Great Falls, Montana
(Town)

County of Cascade
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: not an artesian well, watering 100 to 200 head of cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: do not know approximate date but I bought the land in 1926, and it has been in use ever since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): have never measured it, but it flows continuously, and is partially capped.

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 pressure pump, HDN-4

Sec. 32, Township 32 N, Range 22 W, Blaine County, Montana, designated Lot No. 5.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: have been reliably informed the well was drilled many years ago.

8. The depth of water table: do not know, the well was drilled, and it is lined with steel casing

9. So far as it may be available, the type, size and depth of each well or other general specifications of any other works for the withdrawal of groundwater: unable to give further information in answer to this question, other than that given above.

10. The estimated amount of groundwater withdrawn each year: unable to answer this question

11. The log of formations encountered in the drilling of each well if available: unable to give this information, as the well was drilled many years ago, before I purchased the land.

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: I have endeavored to obtain more information about these wells, but to date have been unsuccessful. If the foregoing declaration is not sufficient without further information, please advise me what is wanted, and I will endeavor to obtain the same.

Signature of Owner: EARL REYNOLDS

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 Quadruplicate for the Appropriator.
25/659

STATE OF MONTANA
COURT OF APPEAL

Filed: Record This ___DAY
of December____ A. D. 1963
At ___ o'clock ___ M.

Core & Thompson
COUNTY CLERK

Deputy

[Signature]

[Stamp]

[Seal]

Great Falls, Montana
April 3, 1963
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:
Date well completed:

Type of well:
Equipment used:

Water Use:
Domestic
Municipal
Stock
Irrigation

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>Feet</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 ft.</td>
<td>1 ft.</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

Static water level: ft., Pumping water level: ft.,
Power: 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. 21

DRILLER'S LOG
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.

Top of Ground

<table>
<thead>
<tr>
<th>Depth (Feet)</th>
<th>From Ground Level (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td></td>
</tr>
<tr>
<td>100</td>
<td></td>
</tr>
<tr>
<td>150</td>
<td></td>
</tr>
<tr>
<td>200</td>
<td></td>
</tr>
<tr>
<td>250</td>
<td></td>
</tr>
<tr>
<td>300</td>
<td></td>
</tr>
<tr>
<td>350</td>
<td></td>
</tr>
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<td>400</td>
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<tr>
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<td></td>
</tr>
<tr>
<td>950</td>
<td></td>
</tr>
<tr>
<td>1000</td>
<td></td>
</tr>
</tbody>
</table>

Show exact depth of bottom
## 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 Information

<table>
<thead>
<tr>
<th>Address</th>
<th>File</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>262245</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Date well started</th>
<th>Date well completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aug 5, 1972</td>
<td>10:46 AM</td>
</tr>
</tbody>
</table>

### Type of Well

- **(Drill, driven, bored or drilled)**: __________

### Equipment Used

- **(Chis drill, rotary or other)**: __________

### Water Use

- **Domestic**: __________
- **Municipal**: __________
- **Stock**: __________
- **Irrigation**: __________
- **Industrial**: __________
- **Drainage**: __________
- **Other**: __________

### 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 Flow</th>
<th>Total Drawdown</th>
<th>Total Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.4 ft</td>
<td>6.4 ft</td>
<td>16 ft</td>
</tr>
</tbody>
</table>

### Static Water Level

- Measured from ground level:

### Power

- **HP**: __________

### Remarks

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

### Indicate Location of Well and Place of Use

- Each small square represents 40 acres.

### Driller's Information

<table>
<thead>
<tr>
<th>Driller's Signature</th>
<th>Driller's Address</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
</tbody>
</table>

### License No.

- 31

---

**Top of Ground (El. above sea level)**

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>In.</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>10</td>
<td>0</td>
</tr>
<tr>
<td>20</td>
<td>0</td>
</tr>
<tr>
<td>30</td>
<td>0</td>
</tr>
</tbody>
</table>

**Static water level:** __________

**Pumping water level:** __________

*Measured from ground level:

**Well developed by:** __________

**for:** __________

**Power:** __________

**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.**

---

**Show exact depth of bottom:** __________
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: __________________________ Address: _______________________
Driller: __________________________ Address: _______________________
Date of Notice of appropriation of groundwater: _______________________
Date well started: __________________ Date completed: __________________

Type of well: Dug Driven, bored or drilled (Churn drill, rotary or other)
Water use: Domestic Municipal Stock Irrigation Industrial Drainage Other
Indicate on the diagram the character and thickness of the different strata met with in drilling, such as soil, clay, shale, gravel, rock or sand, etc. Show depth at which water is encountered, thickness and character of water-bearing strata and height to which the water rises in the well.

<table>
<thead>
<tr>
<th>Depth of Stratum</th>
<th>Description of Stratum</th>
<th>Date Shown</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 feet</td>
<td>Clay</td>
<td>10/10/62</td>
</tr>
<tr>
<td>60 feet</td>
<td>Sand</td>
<td>10/10/62</td>
</tr>
</tbody>
</table>

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

Show exact depth of bottom.

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

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

Driller's License Number: ______________________
Driller's Signature: ______________________

49,905
STATE OF MONTANA
County of Blaine

Filed for record this ______ Day of ______, D. 1926

______ 10:27 a.m.

County Clerk

[Signature]

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

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

1. EARL REYNOLDS, of 300 Ninth Avenue, South, Great Falls, 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 is an artesian well, waterin 150 to 200 dairy cows, and supplying 2 dairy barns with water.

3. Date or approximate date of earliest beneficial use, and how continuous the use has been. Do not know, approximate date, of the earliest beneficial use of this well, but I bought the land in 1956, and it has been in use ever since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). Have never measured it, but it flows continuously, and is partially-capped.

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, This well 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, well number 23, Township 32 North, Range 22E, Cascade County, Montana.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater. Have been reliably informed the well was drilled many years ago.

8. The depth of water table. Do not know. The well was drilled, and it is lined with steel casings.

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. Unable to give further information, in answer to this question, other than that given above.

10. The estimated amount of groundwater withdrawn each year. Unable to answer this question, but water has been continuously used to water 150 to 200 head of cattle.

11. The log of formations encountered in the drilling of each well if available. Unable to give this information, as the well was drilled many years ago, before I purchased the land.

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. Have endeavored to obtain such information, but none was available. If the foregoing declaration is not sufficient, without further information, please advise, and I will endeavor to obtain the same.

Signature of Owner: EARL REYNOLDS

Dec 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 Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 16 DAY OF October A. D. 1962
AT 8:30 O'Clock A.M.

COUNTY CLERK

DEPUTY
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

Owner: Charles Brewer
Address: Harlem, Montana

Driller: R. O. Simpson
Address: Malta, Montana

Date Started: April 24, 1958
Date Completed: April 26, 1958

Location: Sec. 25, T. 33 N., R. 27 W., 1/4 sec. W 1/4

Type of well: [ ] Artesian

Equipment used: [ ] (Dug, driven, bored, or drilled) (Chisel drill, rotary, other)

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

Casing: 0 ft. to 225 ft.
Type: [ ] casing joint
Size: [ ] inch O.D.

Casing: [ ] ft. to [ ] ft.
Type: [ ]
Size: [ ]

Casing: [ ] ft. to [ ] ft.
Type: [ ]
Size: [ ]

Perforated or Screened: [ ] ft. to [ ] ft.

Type of screen or perforations: [ ] drilled 3/16 holes

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

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

Pumping water level: 75 feet at 10 gal. per min.

How tested: [ ] bailer

Length of test: [ ] hour

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

used packers above perforations

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From 0</td>
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</tr>
<tr>
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<tr>
<td>205</td>
<td>220</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. Ashton Bros., of Harlem
   (Name of Appropriator) (Address) (Town)

   County of Blaine 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:
      A. Household and livestock
      B. Livestock

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
      A. 1937, daily
      B. 1938, daily

   4. The amount of groundwater claimed (in miner's inches or gallons per minute):
      A. 10 GPM
      B. 10 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:
      A. Deep well Jet Pump
      B. Deep well Jet Pump

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

   8. The depth of water table:
      A. 8 Feet
      B. 10 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:
      Drilled, Finish 100 feet deep

   10. The estimated amount of groundwater withdrawn each year:
        A. 2,500,000 Gal.
        B. 2,500,000 Gal.

   11. The log of formations encountered in the drilling of each well if available:
        A. Not available
        B. 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:
        A. None known
        B. None known

   Signature of Owner:
   Date: Jan. 1, 1963

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

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

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

FILED FOR RECORD THIS 30th DAY
OF December A.D. 1963
AT 4:10 o'clock P.M.

[Signature]
Clerk of the Court
COUNTY COURT

FEB 300
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>
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<tr>
<td>4</td>
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<tr>
<td>7</td>
<td>Cowell, Gene</td>
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<td>Martin, Kevin E.</td>
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<td>17</td>
<td>Gert, Herman</td>
<td>WELL LOG</td>
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<td>20</td>
<td>Nieman-Strehl Farming Co.</td>
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<td>Powell, Leo C. A. Laufb</td>
<td></td>
<td>257680</td>
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<td>25</td>
<td>Pith, J. George &amp; Alex</td>
<td></td>
<td>25-1820</td>
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<td>Pith, J. George</td>
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<td>Pitich, J. George &amp; Elyne</td>
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<td>Nace, Ralph O.</td>
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<td>Anderson, Gilbert</td>
<td>GW-2</td>
<td>264425</td>
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<td>33</td>
<td>Gill, Donald</td>
<td>WELL LOG</td>
<td></td>
<td></td>
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<tr>
<td>34</td>
<td>Fiech, Ruth</td>
<td></td>
<td>251575</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>O'Leary, Stephanie</td>
<td></td>
<td>249646</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Marlow, Lucy</td>
<td></td>
<td>1957</td>
<td>N/A</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1945

J. George Pitch
Owner: Address: Harlem, Mont.

Contractor (if any): Address of Contractor:

Date Started: Date Completed:

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

Natural Spring Curbed With 18 in. Pipe and Drained With 8 in. Pipe to Tank. Used 6 months of year for stock water.

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.

Signature of Owner: Date: Dec 16 - 63

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

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

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

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

1999
STATE OF MONTANA
County of Blaine

Filed for record this 19th day of December, A.D. 1963
At 1:47 p.m.

Cecil L. Weathers
County Clerk

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

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

1. Date: Nov. 15, 1963

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:

Signature of Owner:

Date:

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

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

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

FILED FOR RECORD THIS ___ DAY
OF ___ Month A. D. 19__
AT ___ o'clock ___ A.M.

[Signature]
COUNTY CLERK

[Signature]
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

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: House, yard and stock water.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1938

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: Household use = 1/100 of total

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
County of Blaine

FILED FOR RECORD THIS 30th DAY
OF December A. D. 1963
AT 1:35 O’CLOCK P. M.

Caro B. Draggan
COUNTY CLERK

DEPUTY
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

<table>
<thead>
<tr>
<th>Location: Sec. 17 T. 3 S. R. 23 1/4 sec. SW1/4, SW1/4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner: Herman Cobert</td>
</tr>
<tr>
<td>Address: Harlem</td>
</tr>
<tr>
<td>Driller: Billmayer &amp; Sons</td>
</tr>
<tr>
<td>Address: Hageland</td>
</tr>
<tr>
<td>Date Started: Oct. 27</td>
</tr>
<tr>
<td>Date Completed: Nov. 8/61</td>
</tr>
<tr>
<td>Type of well: Drilled</td>
</tr>
<tr>
<td>Equipment used: Down</td>
</tr>
<tr>
<td>Water use: Domestic</td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
</tr>
<tr>
<td>Casing: Tip ft. to 227 ft. Type: 7' x 8' K'well</td>
</tr>
<tr>
<td>Casing: 227 ft. to 485 ft. Type:</td>
</tr>
<tr>
<td>Casing: 485 ft. to 865 ft. Type:</td>
</tr>
<tr>
<td>Perforated or Screened: Ft. to Ft.</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well: feet.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well: lb./sq. in. on:</td>
</tr>
<tr>
<td>Pumping water level: 20-260 feet at 5 - 20 gal. per min.</td>
</tr>
<tr>
<td>How tested: Rocker &amp; Test Pump</td>
</tr>
<tr>
<td>Length of test: 3 days</td>
</tr>
<tr>
<td>Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
<tr>
<td>Depth, feet</td>
</tr>
<tr>
<td>------------</td>
</tr>
<tr>
<td>Top</td>
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<td>15</td>
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<td>225</td>
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<tr>
<td>227</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. Stephen O'Leary, N. E. 1-2-1

2. The beneficial use on which the claim is based.
   WATERING LAWN & GARDEN

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

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

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.
   LAWN & GARDEN

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal.
   BORE D. OCT. 17-18

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

8. The depth of water table.
   75

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.
   STEEL CASING

10. The estimated amount of groundwater withdrawn each year.

11. The log of formations encountered in the drilling of each well if available.
   QUICK SAND & ROCK

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: JUN 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 Appropriate.
STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS ___ DAY
OF _______ A. D. 19__
AT __:__ M. O'CLOCK P. M.

COUNTY CLERK

DEPUTY
**Owner:** Montana Marble Address: Harlem Montana

**Driller:** Address

**Date Started:** Date Completed

**Location:** Sec. 23, T. 54 N., R. 154 W. 1/4 sec.

**Type of well:**
- **(Dig, driven, bored, or drilled)**

**Equipment used:**
- (Churn drill, rotary, other)

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

**Casing:**
- ft. to ft. Type
- Size

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

**Type of screen or perforations:**

**Static Water level, for non-flowing well:** 39 ft. 4 in. feet

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

**Pumping water level:** 35 ft. 1 in. feet at 7 gal. per min.

**How tested:**

**Length of test:**

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

The well was probably dug in 1910 or 1911.

No cement curdling, but in 1913.

This description is as definite as I can give.
### Declaration of Vested Groundwater Rights

**Riggin-Starch Farming Corporation**

(name of appropriator) of (address) (town)

County of **Blaine** State of **Montana**

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

1. **Name of Appropriator**
2. **Address**
3. **Town**

#### Details

<table>
<thead>
<tr>
<th>2. The beneficial use on which the claim is based:</th>
<th><strong>Livestock watering</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>3. Date or approximate date of earliest beneficial use; and how continuous the use has been:</td>
<td><strong>About 1942-1943, continuous</strong></td>
</tr>
<tr>
<td>4. The amount of groundwater claimed (in miner's inches or gallons per minute):</td>
<td><strong>24 gallons per minute</strong></td>
</tr>
<tr>
<td>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:</td>
<td></td>
</tr>
<tr>
<td>6. The means of withdrawal of such water from the ground and the location of each well or other means of withdrawal:</td>
<td><strong>Each with pump, located in NW1/4 Sec. 20 T.23N R.23E</strong></td>
</tr>
<tr>
<td>7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:</td>
<td><strong>Exact dates unknown</strong></td>
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<tr>
<td>8. The depth of water table:</td>
<td><strong>Approximately 100 feet</strong></td>
</tr>
<tr>
<td>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:</td>
<td><strong>Two (2) wells, drilled to depth of about 100 feet, each serviced by pump drawing from 1.5&quot; pipes</strong></td>
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<tr>
<td>10. The estimated amount of groundwater withdrawn each year:</td>
<td><strong>100,000 gallons</strong></td>
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<tr>
<td>11. The log of formations encountered in the drilling of each well if available:</td>
<td><strong>Not available</strong></td>
</tr>
<tr>
<td>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:</td>
<td></td>
</tr>
</tbody>
</table>

---

**Riggin-Starch Farming Corporation**

signature of owner

Date: Aug 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.
STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 1st DAY
OF Aug. 1, A.D. 1963
AT 10:30 O'CLOCK A.M.

ORRIS E. NIXON
Clerk of Court

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

1. LeRoy C. and Laura A. Powell of Harlem
   (Name of Appropriator)
   (Address)
   (Town)
   County of Blaine
   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 watering and fire fighting.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: June 1, 1939.
   Used continuously to present date.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 80 gallons per minute.

5. If used for irrigation, give the acreage and description of the lands to which water has been applied and name of the owner thereof:
   Not 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 submersible pump with pressure tank. Well located on NE^SW Sec. 21 T.32 R.23 Blaine County, Montana.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 5, 1939.

8. The depth of water table: Water rose to 11 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: Wall 1220 ft. deep. Well casing 5 inch black pipe, 236 ft. Line: 6 inch black pipe, 120 ft. Drilled 3/8 inch holes in 5 inch pipe from 310 to 350 feet.

10. The estimated amount of groundwater withdrawn each year: One million gallons per year.

11. The log of formations encountered in the drilling of each well if available: Log is typed on reverse side of this form.

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 applicable.

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.
0.0 ft.  top ool
1.5 ft.  fine sand
5.0 ft.  brown clay
50.0 ft.  brown clay
60.0 ft.  sandy brown clay
80.0-105.0 sandy blue clay
105.0-112.0 sandy brown clay
112.0-122.0 muddy sand
122.0-136.0 blue clay
136.0-140.0 grey clay
140.0-228.0 muddy sand
228.0-240.0 blue shale
240.0-247.0 sandy brown shale
247.0-256.0 blue shale
256.0-265.0 sandy brown shale
265.0-266.0 blue shale
266.0-269.0 sandy tan shale
269.0-285.0 blue shale
285.0-295.0 shaley sandstone
295.0-303.0 blue shale
303.0-306.0 sandstone
306.0-309.0 blue shale
309.0-314.0 sandstone
314.0-317.0 blue shale
317.0-350.0 sandstone -- water

Water level 11 feet from surface.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Declaration of Vested Groundwater Rights
(Under Chapter 221, Montana Session Laws, 1961)

STATE ENGINEER

I., George Mitchell, of Harlem, Montana,
County of Lake, State of Montana,

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

1. Name of Appropriator (Applicant)

2. The beneficial use on which the claim is based:
   Water & Domestic Use

3. Date or approximate date of earliest beneficial use, and how continuous the use has been:
   1930-1939

4. The amount of groundwater claimed (in minor's inches or gallons per minute) of one well:
   20

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:
   Well

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   1933

8. The depth of water table:
   16 to 150 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

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:

Signature of Owner:

Date: 1961

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

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

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.
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

**STATE OF MONTANA**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

**DECLARATION OF VESTED GROUNDWATER RIGHTS**

*RECEIVED DEC 26, 1963*

**STATE ENGINEER**

1. **George Pitch**  
   **Alex Pitch**  
   **of**  
   **Harlem**  
   **(Name of Appropriator)**  

   **County of Blaine**  
   **State of Montana**  
   **(Address)**  
   **(Town)**  

have appropriated groundwater according to the Montana laws in effect prior to January 1, 1963, as follows:

<table>
<thead>
<tr>
<th>N</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
</tr>
</tbody>
</table>

2. The beneficial use on which the claim is based: **Livestock Water & Domestic Use**

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: **1930-1944**

4. The amount of groundwater claimed (in miner's inches or gallons per minute): **20 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:

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: **1930-1935; 1943-1944**

8. The depth of water table: **16 to 150 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: **1/4 HP; 5 in. 0-111/2 in.**

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

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:

---

**Signature of Owner:**  
**Date:** Dec 26-63

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.
<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Stock</td>
</tr>
<tr>
<td>Water use:</td>
<td>Municipal</td>
<td>Irrigation</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td>Type</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td>Type</td>
</tr>
<tr>
<td>Casing:</td>
<td>ft. to</td>
<td>Type</td>
</tr>
<tr>
<td>Perforated or Screened: Ft.</td>
<td>to Ft.</td>
<td>to Ft.</td>
</tr>
<tr>
<td>Type of screen or perforations:</td>
<td>In. Reels Drilled In Casing</td>
<td></td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>feet</td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>lb./sq. in. on: (date)</td>
<td></td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>feet at</td>
<td>gal. per min.</td>
</tr>
<tr>
<td>How tested:</td>
<td>Ball</td>
<td></td>
</tr>
<tr>
<td>Length of test:</td>
<td>Hrs.</td>
<td></td>
</tr>
<tr>
<td>Remarks:</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
</tr>
</tbody>
</table>

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>20</td>
<td>30</td>
<td>Brown Sandy Clay</td>
</tr>
<tr>
<td>30</td>
<td>64</td>
<td></td>
<td>Grey Muddy Shale</td>
</tr>
<tr>
<td>64</td>
<td>66</td>
<td></td>
<td>Gravel Water</td>
</tr>
<tr>
<td>66</td>
<td>68</td>
<td></td>
<td>Grey Muddy Shale</td>
</tr>
</tbody>
</table>
**Declaration of Vested Groundwater Rights**

(Under Chapter 237, Montana Session Laws, 1961)

1. **Name of Appropriator:** J. George Pitch & Ethel E. Pitch  
   **Address:** of  
   **Town:** Harlem  
   **County:** Blaine  
   **State:** Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:  
   **1943, Continuous**

4. The amount of groundwater claimed (in miner's inches or gallons per minute):  
   **20 Gals. Per Min. Each Well**

5. If used for irrigation, give the acreage and description of the land 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:  
   **Two Wells, Electric Pump:**

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:  
   **1943 & 1959**

8. The depth of water table:  
   **35 Ft. Two Wells:**

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:  
   **Two Wells, Electric Pump:**  
   **80 Ft. 70 Ft. 5 In. Casing, Electric Pump**

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

11. The geology 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:

   **Signature of Owner:**

   **Date:**

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

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

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

FILED FOR RECORD THIS 19 DAY
OF December A.D. 1963
AT 1:46 O'CLOCK P.M.

Clerk of the Circuit Court
COUNTY CLERK

DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ralph D. Nace
Address: Turner, Montana

Date of Notice of Appropriation of Groundwater:

Date well started: May 25, 1963
Date completed: Dec. 31, 1963

Type of well: Drilled

Equipment Used:
Cable Tool Rig

Water Use:
Domestic
Municipal
Other
Irrigation

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

Static Water Level for non-flowing Well: 11 feet.

Shut-in Pressure for Flowing Well: Not Applicable.

Pumping Water Level: 285 feet at 2.5 gpm.

Discharge in gal. per min. of flowing well: Not Applicable.

How Tested: Well

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: 46

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.

21858
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Owner: 
Address: 
Driller: 
Address: 
Date of Notice of appropriation of groundwater: 1-1-69
Date well started: 11-26-68 Date completed: 11-26-68

Type of well: 
Equipment used: 
(Dug, Driven, bored or drilled) (Churn drill, rotary or other)
Water use: 
Domestic □ Municipal □ Stock □ Irrigation □ Industrial □ Drainage □ Other □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Boring Equipment</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

PERFORATIONS

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

How Tested: 
Length of Test: 

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

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

Show exact depth of bottom.

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

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

Driller's License Number

Driller's Signature

MONTANA WATER RESOURCES BO ard
RECEIVED
DEC 10 1969
MONTANA BUREAU OF MINES AND GEOLOGY
Butte, Montana

WATER WELL LOG

| Owner          | Donald Gill               | Address        | Harlem, Montana          |
| Driller       | Simpson Drilling Co.      | Address        | Malta, Montana           |
| Date Started  | August 30, 1961          | Date Completed | August 30, 1961          |
| Location      | Sec. 25 T. 82 R. 23      | Sec. 25 T. 82 R. 23 |

| Type of well | Drilled                  | Equipment used | auger drill            |
|             |                          |               | (Churn drill, rotary, other) |
| Water use   | Domestic                 | Municipal     | Stock  | Irrigation | |
|             |                          |               |                   |            | |
|             |                          | Industrial    | Drainage           | Other:     | |
| Casing:     | 0 ft. to 48 ft.          | Type steel    | Size 6 inch       |           |
| Casing:     | ft. to                   | Type          | Size               |           |
| Casing:     | ft. to                   | Type          | Size               |           |
| Perforated or Screened: Ft. to ft. | Ft. to ft. |           |

| Type of screen or perforations | |
| Static Water level, for non-flowing well: | 20 feet |
| Shut-in pressure, for flowing well: | lb./sq. in. on: (date) |
| Pumping water level | 22 feet at 20 gal. per min. |
| How tested: | PWQ |
| Length of test: | 2 hours |

<p>| Remarks: | Gravel packing, cementing, packers, type of shut-off, depth of shut-off | |
|          | casing driven in gravel | |
|          | (over) | |</p>
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>27</td>
<td></td>
<td>sand gravel &amp; clay</td>
</tr>
<tr>
<td>27</td>
<td>43</td>
<td></td>
<td>sand gravel water</td>
</tr>
<tr>
<td>43</td>
<td>47</td>
<td></td>
<td>gravel water</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

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

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

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

4. The amount of groundwater claimed (in 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: Ruth Egeren
Date: Dec 6, 1963

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

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

FILED FOR RECORD THIS _____ DAY
OF _____ A.D. 19__
AT ___ o'clock ___ M.

COUNTY CLERK

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>39</td>
<td>RIDDLE, NELLIE R. SMITH</td>
<td></td>
<td>25-1888</td>
<td></td>
</tr>
<tr>
<td>32</td>
<td>KUBITZ, EDWARD L.</td>
<td></td>
<td>25-2056</td>
<td></td>
</tr>
<tr>
<td>35</td>
<td>KLINGLER, R. T.</td>
<td>(G-2)</td>
<td>25-2616</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

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

Declaration of Vested Groundwater Rights

1. Smith and Nellie Reddell (Name of Appropriator)
   of Prien, Boy 391 (Address)
   County of Lincoln
   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: March 24, 1958
      Continuous Use

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 80 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: Electric Pump

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
      Completed on March 24, 1958

   8. The depth of water table: 101 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:
      106 feet depth
      7-inch casing

   10. The estimated amount of groundwater withdrawn each year: Don't Know

   11. The log of formations encountered in the drilling of each well if available:
      Surface Soil: 12 feet, 85 feet quick sand, sapling clay
      1 foot sandy shale: 2 feet hard 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: Nellie M. Reddell
   Date: June 15, 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.
STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS ___ DAY
OF December A.D. 196__
AT ___ O'CLOCK ___ M.

[Signature]
COUNTY CLERK

[Signature]
DEPUTY
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Edward L. Kubitzka, of Harlow, (Name of Appropriator)
   (Address) (Town)
   County of Blaine, State of Montana, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:
   Sec 33-32-24

   

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

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1954 - all year

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

   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: 1954

   8. The depth of water table: 8 ft. to 100 ft. to 20 ft. to 2 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: don't know pro. 100,000 ga.

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

Owner: Klindt
Address: Helena

Driller: Billmeyer
Address: Highland

Date of Notice of Appropriation of Groundwater: Dec. 28, 1963
Date Well Started: Jan. 7, 1964
Date Well Completed: Jan. 15, 1964

Type of Well: Drilled
Equipment Used: Churn

Water Use: Domestic □ Municipal □ Other □ Irrigation □

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Cutting</th>
<th>Depth (Feet)</th>
<th>Perforations</th>
</tr>
</thead>
<tbody>
<tr>
<td>6&quot;</td>
<td>6&quot; x 0</td>
<td>19'</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 29 feet.

Shut-in Pressure for Flowing Well: 80 feet.

Pumping Water Level: 80 feet at 1 gal. per minute.

Discharge in gal. per min. of flowing well: 235 gpm.

How Tested: Bailey
Length of Test: 24 hours

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).

Bottom 2 ft filled with gravel.

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.

[Signature]
STATE OF MONTANA
County of Blaine

FILL: BAR RECORD THIS ________ DAY
OF: ________ A. D. 19__
AT: ________ P. M.

[Signature]
COUNTY CLERK
[Signature]
DEPUTY