## Groundwater Index

**County:** BRAINE  
**Twp.:** 32 NORTH  
**Rge.:** 25 EAST

<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>10</td>
<td>SIEMENS, JACOB &amp; KROH</td>
<td></td>
<td>25/009</td>
<td>SAME FORM</td>
</tr>
<tr>
<td>20</td>
<td>&quot;</td>
<td></td>
<td>25/009</td>
<td></td>
</tr>
<tr>
<td>31</td>
<td>SIEMENS, JACOB &amp; LAMM</td>
<td>GA-4</td>
<td>25/009</td>
<td></td>
</tr>
</tbody>
</table>


## Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

<table>
<thead>
<tr>
<th>Date of Appropriation of Groundwater</th>
<th>Owner Name:</th>
<th>Address:</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Harlem, Montana</td>
</tr>
</tbody>
</table>

**Contractor (if any):** I worked on them myself.

**Address of Contractor:**

**Date Started:** 1941  **Date Completed:**

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

| Depth of Groundwater | 48.6 ft |

**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.**

<table>
<thead>
<tr>
<th>Description of Use</th>
<th>Explanation</th>
</tr>
</thead>
</table>

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

<table>
<thead>
<tr>
<th>Location</th>
<th>Details</th>
</tr>
</thead>
</table>

**Signature of Owner:**

**Date:** Oct 13, 1963

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

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

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

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

FILED FOR RECORD THIS 5 DAY
OF November A. D. 1963
AT 5:00 O'CLOCK P.M.

Claudia L. Magness
COUNTY CLERK

251009
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 Appropriator: [Redacted]
Address: [Redacted]
(Town)
County: [Redacted]
State: 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:
House, yard, and farm garden.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been:
1941, every day.

4. The amount of groundwater claimed (in miner's inches or gallons per minute):
500 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: 1941.

8. The depth of water table: 29 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: [Redacted].

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: [Redacted]
Date: Oct. 18, 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 _5_ DAY
OF __November__ A.D. 1965
AT 3:00 O'CLOCK P.M.

_Clerk of the County Clerk

FEB. 20_
<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>8</td>
<td>OLSON, FRED</td>
<td></td>
<td>25-1571</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>RAMBERG, RAY C.</td>
<td></td>
<td>25-1624</td>
<td></td>
</tr>
<tr>
<td>29</td>
<td>RAMBERG, RAY C.</td>
<td>6w.3</td>
<td>25-2036</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>OLSON, HARRY W.</td>
<td></td>
<td>251572</td>
<td></td>
</tr>
<tr>
<td>30</td>
<td>PAULSEN, HAROLD J.</td>
<td></td>
<td>25-2124</td>
<td></td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

1. Fred Gleson of Chinook, 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 manner 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 on the policy of this act, including reference to book and page of any county record

Signature of Owner: Fred Gleson
Date: Dec 3, 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. 1963
AT ___ O'CLOCK ___ M.

[Signature]
COUNTY CLERK

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

1. Roy C. Farmer
   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: Water for
   home, farm, garden and orchard.

3. Date or approximate date of earliest beneficial use and how
   continuous the use has been:
   1905 to 1936

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

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:
   Clark Acre SE 1/4, SE 1/2 of SE 1/4

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:
   Sept. 12, 1905 to Oct. 10, 1905

8. The depth of water table:
   12 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:
   Drilled, 6 ft. diameter, 25 ft. deep
   Centrifugal pump

10. The estimated amount of groundwater withdrawn each year:
    75,000

11. The log of formations encountered in the drilling of each well if
    available:
    Sand, gravel and clay

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. 30, 1966

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.
Bank of Montana
County of Blaine
Filed for record this 31st day of December, A.D. 1963.
At 2:30 o'clock P.M.
[Signature]
County Clerk
[Signature]
Deputy
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Sept. 1906
Owner: Ray C. Ramberg
Address: Rapid City, Mont.
Contractor (if any): None
Date Started: 9-1-06, Date Completed: 9-8-06

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

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

Signature of Owner: Ray C. Ramberg
Date: Dec. 30, 1963

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

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

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

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

FILED FOR RECORD THIS 30 DAY
OF AUGUST 1963 A.D. 1963
AT 11:50 A.M.

C. L. Breaux
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)  

STATE ENGINEER  

1. **Harry W. Olson**, of **Missoula**, have appropriated groundwater according to the Montana laws in effect prior to January 1, 1952, as follows:

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

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

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

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

5. If used for irrigation, give the 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 **Harry W. Olson**  
**Date** December 9, 1963

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

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

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

STATE OF MONTANA

ADMINISTRATOR OF GROUNDWATER CODE

OFFICE OF STATE ENGINEER

DECLARATION OFVESTED GROUNDWATER RIGHTS

(Under Chapter 237, Montana Session Laws, 1961)

1. Harold J. Paulsen, of Clear Creek, Casselton

(Name of Appropriator)

of Clear Creek, Casselton

(Address)

County of

State of

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: July 1, 1949. Continuous.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 4 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 of the construction of the well, wells, or other works for withdrawal of groundwater: July 1, 1949.

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: 75,000 gal.

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: Harold J. Paulsen

Date: December 27, 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 November, A.D. 1963
AT 3:44 O'CLOCK P.M.

[Signature]
[Signature]
[Signature]

25-21-24
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>TEXACO, INC.</td>
<td>GW-4</td>
<td>248676</td>
<td></td>
</tr>
<tr>
<td>1</td>
<td>DRAKE, EDWARD</td>
<td>WELL LOG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>FREDKOP, JOHN</td>
<td></td>
<td>257096</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>VOIGHT, JOHN W.</td>
<td>WELL LOG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>WILLIAMSON, ED</td>
<td>WELL LOG</td>
<td></td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>RASMUSSEN, LOREN</td>
<td>GW-4</td>
<td>251439</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>WARBURTON, LESTER</td>
<td></td>
<td>252524</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>S-B RANCH CO.</td>
<td>GW-2</td>
<td>269708</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>S-B RANCH CO.</td>
<td>GW-2</td>
<td>26288</td>
<td></td>
</tr>
<tr>
<td>25</td>
<td>S-B RANCH CO.</td>
<td>GW-2</td>
<td>25466</td>
<td>SAME FORM</td>
</tr>
<tr>
<td>33</td>
<td>S-B RANCH CO.</td>
<td>GW-2</td>
<td>25363</td>
<td>SAME FORM</td>
</tr>
<tr>
<td>33</td>
<td>SPRINKLE CO.</td>
<td>GW-2</td>
<td>25466</td>
<td>SAME FORM</td>
</tr>
</tbody>
</table>

County: PLAIN
Twp: 31 NUTH
Rge: 19 EAST
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. TEXACO Inc., of 1236 North 26th St., Billings
   (Name of Appropriator)
   (Address)
   (Town)
   County of Yellowstone
   State of Montana

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

   2. The beneficial use on which the claim is based
      domestic use
      at Bowes Field Office.

   3. Date or approximate date of earliest beneficial use; and how continuous the use has been 2-26-51 to present date.

   4. The amount of groundwater claimed (in miner's inches or gallons per minute) 26 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 Not applicable

   6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal Impeller type down hole pump w/elec. motor and automatic controls as surface equipment.

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
      Commenced 11-6-51 completed 2-28-54.

   8. The depth of water table 75 ft. (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 drilled to depth of 110' GL. Completed with 110' of 7' OD casing and perforated 90-100' GL with 1/8" slots.

   10. The estimated amount of groundwater withdrawn each year 11,000 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

   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 School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
County of Blaine

Filed for record this 5th day of February, A.D. 1963.
At 8:30 o'clock A.M.

Cora L. Monk
COUNTY CLERK

A. H. Corn
DEPUTY

Received 2.00 paid
# WATER WELL LOG

**Owner**: [Name]
**Address**: 1609 maple Dr.

**Driller**: [Name]
**Address**: [Address]

**Date Started**: 3-17-1961
**Date Completed**: 3-22-1961

**Location**: Sec. 1 T. 31 R. 12 1/4 sec. NE 4

**Type of well**: Drilled
**Equipment used**: Pumped

**Water use**: Stock

**Casing**: 0 ft. to 100 ft. Type: [Type]
**Size**: 6 in.

**Casing**: 100 ft. to 150 ft. Type: [Type]
**Size**: 6 in.

**Casing**: 150 ft. to 200 ft. Type: [Type]

**Perforated or Screened**: 90 ft. to 160 ft.

**Type of screen or perforations**: [Type]

**Static Water level, for non-flowing well**: 50 feet

**Shut-in pressure, for flowing well**: [Pressure] lb./sq. in. on: [Date]

**Pumping water level**: 85 feet at [Date]

**How tested**: [Test Method]

**Length of test**: [Length]

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

Killed at 21 ft.
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 - 1</td>
<td>Top soil</td>
</tr>
<tr>
<td>1 - 19</td>
<td>Brown clay</td>
</tr>
<tr>
<td>19 - 60</td>
<td>Blue clay</td>
</tr>
<tr>
<td>60 - 81</td>
<td>Brown clay</td>
</tr>
<tr>
<td>81 - 90</td>
<td>Blue slate</td>
</tr>
<tr>
<td>90 - 120</td>
<td>Sandstone</td>
</tr>
</tbody>
</table>
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1931)

County of __________, State of __________

I, __________, of __________, __________, have appropriated groundwater according to the Montana laws in effect prior to Jan. 1, 1932, as follows:

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

3. Date or approximate date of earliest beneficial use, __________.

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

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

6. Indicate point of appropriation, if possible.

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

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

9. The depth of water table, __________.

10. So far as it may be available, the type, size and depth of each well or other works for the withdrawal of groundwater, __________.

11. The estimated amount of groundwater withdrawn each year, __________.

12. The log of formation encountered in the drilling of each well if available.

13. 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: __________

City of __________

Affiant having first been duly sworn, doth state that __________, of lawful age and __________, the appropriator and claimant of the order and water right mentioned in the foregoing declaration of vested groundwater rights and the person whose name is subscribed thereto, as the appropriator and claimant, that he __________ knows the contents of said foregoing notice and that the matters and things therein stated are true.

******************************************************
STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 30 DAY
OF December A.D. 1963
AT 1:30 P.M.

COUNTY CLERK
DEPUTY
WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner: John W. Vogt</th>
<th>Address: Chico, Montana</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller: Simpson Drilling Co.</td>
<td>Address: 2607 Maple Drive, Havre, Montana</td>
</tr>
<tr>
<td>Date Started: Feb. 28, 1963</td>
<td>Date Completed: March 8, 1963</td>
</tr>
</tbody>
</table>

Location: Sec. 7, T. 31 N., R. 19 W., 1/4 sec. 31, S.E. 1/4, M.R.$

Type of well: **Drilled**

Equipment used: **Spudger**

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

Casing:
- 0 ft. to 60 ft. Type: 4 in. Size: 6 in.
- 59 ft. to 88 ft. Type: 4 in. Size: 4 in.
- 88 ft. to 112 ft. Type: 4 in. Size: 4 in.

Perforated or Screened: 60 ft. to 88 ft. 3/16 holes

Static Water level, for non-flowing well: 40 feet.

Shut-in pressure, for flowing well: 25 lb./sq. in. on: March 8, 1963

Pumping water level: 45 feet at 25 gal. per min.

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

(over)
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>1</td>
<td>36</td>
</tr>
<tr>
<td>36</td>
<td>50</td>
</tr>
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<td>50</td>
<td>59</td>
</tr>
<tr>
<td>59</td>
<td>68</td>
</tr>
</tbody>
</table>
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>Driller</td>
<td>Address</td>
</tr>
</tbody>
</table>

Date Started: 13 Apr. 1959
Date Completed: 13 Apr. 1959

Location: Sec. 8, T. 31, R. 19, 1/4 sec. 5, W. 6

Type of well: Drilled

Equipment used: churn drill

Water use: Stock

Casing: 0 ft. to 28 ft. Type: steel, Size: 4\(\frac{1}{4}\) in.

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

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: 16 feet.

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

Pumping water level: 20 feet at 15 ... gal. per min.

How tested: ...

Length of test: 1/2 hr.

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

(over)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>12 ft</td>
</tr>
<tr>
<td>Red sand</td>
<td>Sandstone</td>
</tr>
<tr>
<td>and gravel</td>
<td>with interbedded sand</td>
</tr>
<tr>
<td></td>
<td>rocks</td>
</tr>
<tr>
<td></td>
<td>Reduced by static weighting</td>
</tr>
<tr>
<td></td>
<td>Pipe run near the ground out</td>
</tr>
<tr>
<td></td>
<td>Repeated test 15-9-20 and</td>
</tr>
<tr>
<td></td>
<td>32 ft</td>
</tr>
</tbody>
</table>

Log of Well

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

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

1. Town: Chico
   Name of Appropriator: Loren Rasmussen
   Address: 
   Town: Chico
   County of: Blaine
   State of: Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

2. The beneficial use on which the claim is based: House, farm, and irrigated lands.

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: House—place, 1943; Farm—place, 1947; irrigated—place, 1947.

4. The amount of groundwater claimed (in miner's inches or gallons per minute): Well No. 1, 190 gal per min; Well No. 2, 140 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: Pump, well, electricity.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Well No. 1, not before July 1943; Well No. 2, 1947.

8. The depth of water table: Well No. 1, 30 ft; Well No. 2, 40 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: No special equipment.

10. The estimated amount of groundwater withdrawn each year: 100,000 gal.

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

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

Signature of Owner: Loren Rasmussen
Date: Dec 27, 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.
25-1939

STATE OF MONTANA
County of Blaine

FILED FOR RECORD THIS 27 DAY
OF December, A.D. 1939
AT 11:25 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)

Levi Washington
(Name of Appropriator)

County of
(Address)

State of
(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 1916 - 1946

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

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

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 wells, or other works for withdrawal of groundwater

8. The depth of water table 130 ft. and 120 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

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, Levi Washington

Date, 12-18-63

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

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

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

FILED FOR RECORD THIS 19 DAY
OF December A.D. 1963
AT 3:00 O'Clock P.M.

Chas L. Durance
COUNTY CLERK

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 ...........................................
(Deep, cored, bored or drilled)

Equipment used .....................................
(Churn drill, rotary or other)

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

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Size of Defined Well</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>Kind</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
</table>

Static water level ..................................
Pumping water level ..................................

*Measured from ground level.
Well developed by .................................. for ............................... hours.
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. ...........................................

Show exact depth of bottom

57/186
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.

<table>
<thead>
<tr>
<th>Top of Ground (In. above sea level)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10.5</td>
<td>10.5</td>
</tr>
<tr>
<td>0.12</td>
<td>10.5</td>
<td>10.5</td>
</tr>
<tr>
<td>10.5</td>
<td>10.5</td>
<td>10.5</td>
</tr>
<tr>
<td>10.5</td>
<td>10.5</td>
<td>10.5</td>
</tr>
<tr>
<td>10.5</td>
<td>10.5</td>
<td>10.5</td>
</tr>
<tr>
<td>10.5</td>
<td>10.5</td>
<td>10.5</td>
</tr>
</tbody>
</table>

**Owner:**  
**Address:**  
**File:** 8676508  
**Date well started:** August 15, 1992, 10:54 a.m.  
**Date well 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 Drilled Hole</th>
<th>Rise and Fall of Cutting</th>
<th>Rise (Feet)</th>
<th>To (Feet)</th>
<th>X</th>
<th>Y</th>
</tr>
</thead>
<tbody>
<tr>
<td>1/8</td>
<td>1/3</td>
<td>2.1</td>
<td>2.1</td>
<td>30</td>
<td>55</td>
</tr>
<tr>
<td>1/8</td>
<td>1/4</td>
<td>30</td>
<td>30</td>
<td>50</td>
<td>60</td>
</tr>
</tbody>
</table>

Static water level 8 ft.  
Pumping water level 60 ft.  
Depth measured 24 hours after pumping began.  
*Measured from ground level.*

Well developed by drilling for ... hours.  
**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.**  

Show exact depth of bottom  

51/186
STATE OF MONTANA
County of Elaine

Filed for record this 15th Day of August, A.D. 19__
At 10:15 A.M.

[Signature]
County Clerk

[Signature]
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

(Erg., driven, bored or drilled)

Equipment used

(Churn drill, rotary or other)

Water Use:

Domestic □ Municipal □ Stock □ Irrigation □

Industrial □ Drainage □ Other □ Garden/Lawn □

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

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

<table>
<thead>
<tr>
<th>N</th>
<th>W</th>
<th>S</th>
<th>E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Static water level</td>
<td>Pumping water level</td>
<td>Gallons per minute</td>
<td>minutes after pumping began.</td>
</tr>
</tbody>
</table>

*Measured from ground level.

Well developed by for hours.

Power Pump HP

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

LICENSE NO.

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

Driller's Signature

Driller's Address

Show exact depth of bottom

51/189
**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: ____________________________  For Administrator's Use: ____________________________

Address: ____________________________  Filed: 269707

Date well started: ____________________________  Top of Ground: ____________

Type of well: ____________________________  (Drive, driven, bored or drilled)

Equipment used: ____________________________  (Chain drill, rotary or other)

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

Industrial [ ] Drainage [ ] Other [ ] Garden/Lawn [ ]

*Describe: ____________________________

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

**ESTIMATED ANNUAL WITHDRAWAL**

<table>
<thead>
<tr>
<th>Rate of Flow</th>
<th>Size and Number of Channels</th>
<th>Total Flow (GPM)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2.5</td>
<td>1</td>
<td>15</td>
</tr>
</tbody>
</table>

**PERFORATIONS**

<table>
<thead>
<tr>
<th>Rate of Flow</th>
<th>Depth (Feet)</th>
<th>Time (Time)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>15</td>
<td>30</td>
</tr>
</tbody>
</table>

**Static water level:** ____________________________  ft.

**Pumping water level:** ____________________________  ft.

at ____________________________ gallons per minute, measured 24 minutes after pumping began.

*Measured from ground level.

**Well developed by: ____________________________ for: ____________ hours.

**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.** 31

*Show exact depth of bottom* 51.187
STATE OF MONTANA
County of Blaine

Filed in court this 15th Day
of August, A.D. 1932
A.M. 10:53

[Signature]
County Clerk
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: 
Well 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

<table>
<thead>
<tr>
<th>Date of Depth</th>
<th>Start Depth</th>
<th>End Depth</th>
<th>In (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static water level: \( \text{feet} \) □ Pumping water level: \( \text{feet} \) □

at \( \text{gallons per minute} \) measured \( \text{minutes after pumping began} \).

Well developed by

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.: 54868

Show exact depth of bottom.
STATE OF MONTANA
County of Slaine

Filed for record this ___ Day
of ___ Month A.D. 19___
At ___ O’Clock A.M.

[Signature]
County Clerk

[Signature]
Deputy

#272288
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner:
Address:

Driller:
Address:

Date of Notice of Appropriation of Groundwater: 1-1-64

Date well started: 4-17-64 Date Completed: 4-20-64

Type of well: Drillers Equipment Used: Churn Drill

(dug, driven, bored or drilled)

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Collar</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6(^{1/2})&quot;  6(^{1/2})&quot;</td>
<td>6(^{1/2})&quot; x 1/2&quot;</td>
<td>0</td>
<td>6.7</td>
<td>2.6</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well... 0 feet.

Shut-in Pressure for Flowing Well...

Pumping Water Level... 35 ... feet at ... 30 ... gal. per minute.

Discharge in gal. per min. of flowing well...

How Tested...

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)...

5 ft of natural ground Rich

Driller's License Number

Driller's Signature

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

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

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

FILED FOR RECORD THIS 15th DAY
OF July, A.D. 1965
AT 4:15 o'clock P.M.

[Signature]
COUNTY CLERK

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

Owner:

Driller:

Address:

Date of Notice of Appropriation of Groundwater: 1-1-64

Date well started: 1-17-64  Date Completed: 2-1-64

Type of well: Drilled

Equipment Used: Churn Drill

Water Use: Domestic  Other  Stock

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 1/8&quot;</td>
<td>6 1/8&quot; X 1 1/2&quot;</td>
<td>2</td>
<td>0</td>
<td></td>
</tr>
<tr>
<td>6 3/8&quot;</td>
<td>6 3/8&quot; X 1 1/2&quot;</td>
<td>0</td>
<td>1 1/2</td>
<td></td>
</tr>
<tr>
<td>5 1/8&quot;</td>
<td>5 1/8&quot; X 1 1/2&quot;</td>
<td>4 1/2</td>
<td>70</td>
<td>1/4&quot; X 2&quot;</td>
</tr>
</tbody>
</table>

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

Shut-in Pressure for Flowing Well: ____________ psi.

Pumping Water Level: ____________ feet at ____________ gal. per minute.

Discharge in gal. per min. of flowing well: ____________ gal. per minute.

Test: ____________ Length of Test: ____________ min.

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).

3 feet of Natural Gravel Packed

Driller's License Number

Driller's Signature

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

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

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

FILED FOR RECORD THIS 15 DAY
OF __________ A. D. 1964
AT 4:10 CLOCK P. M.

[Signature]
COUNTY CLERK

[Signature]
DEPUTY
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater
Owner: S Bar B Ranch
Address: Choteau, Montana
Contractor (if any)
Address of Contractor
Date Started
Date Completed
Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable.

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

Signature of Owner: S Bar B Ranch

This form to be prepared by contractor (if any), otherwise by the owner.
Three copies of this notice are to be filed with the County Clerk and Recorder of the county in which the works are located.
Please answer all questions. If not applicable, so state, otherwise the form will be returned.

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

FILED FOR RECORD THIS 31st DAY
OF DECEMBER A. D. 1963
AT 11:50 o'clock A. M.

Clerk of the County Clerk

DEPUTY
Declaration of Vested Groundwater Rights

(Under Chapter 237, Montana Session Laws, 1961)

1. S Bar B Ranch, of Choteau, Choteau
   (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: 10 gallons per minute in each well

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

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

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

   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: 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:

   10. The estimated amount of groundwater withdrawn each year: 5,160,000 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:

   Signature of Owner: S Bar B Ranch

   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 31 DAY
OF December A.D. 1963
AT 11:30 o'clock A.M.

[Signature]
COUNTY CLERK

[Signature]
DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

OWNER: Spinell Co.  ADDRESS: Chiricahua

Driller: Wabunag Drilling  Address: Chiricahua

Date of Notice of Appropriation of Groundwater

Date well started: 1/25/62  Date Completed: 1/30/62

Type of well Drilled: (dug, driven, bored or drilled)
Equipment Used: Churc Drill

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

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

Static Water Level for non-flowing Well: 30 feet.
Shut-in Pressure for Flowing Well:
Pumping Water Level: 66 feet at 8 gal. per minute.
Discharge in gal. per min. of flowing well:
How Tested: (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)

Remarks: Wabunag sign

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

Driller's Signature

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

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

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

FILED FOR RECORD THIS 7TH DAY
OF JUNE, 19
AT 1:00 O'LOCK P.M.

Cora L. Musgrave
COUNTY CLERK

A.H. Horn
DEPUTY
Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: S. R. Schaefer
Address: Chino, MT

Driller: Joe Washington
Address: Chino, MT

Date of Notice of Appropriation of Groundwater: 1/1/64

Date well started: 1/1/64
Date completed: 1/1/64

Type of well: Churn drill
Equipment Used: Churn drill

Water Use: Domestic

Static Water Level for non-flowing Well: 20 feet

Shut-in Pressure for Flowing Well:

Pumping Water Level: 5 gal. per minute

Discharge in gal. per min. of flowing well:

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)

Driller's License Number

Driller's Signature

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

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

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

FILED FOR RECORD THIS 15 DAY

OF

DAY A.D. 1964

AT C.CLOCK P.M.

Carr. L. Draper
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. S Bar B Ranch
   (Name of Appropriator)
   of Chinook
   (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: House, use and stockwater

   3. Date or approximate date of earliest beneficial use, and how continuous the use has been: 12-1946

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

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

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

   7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Commence 1946 Completion 1948

   8. The depth of water table: 200 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\2" casing
      Well in N1/4 SE Sec. 28, T11 R. 19 Drilled to depth of 110 feet
      Well in N1/4 SE Sec. 28, T11 R. 19 Drilled to depth of 60 feet

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

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

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

   Signature of Owner: S Bar B Ranch
   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 Appropriator.

21932
FILED FOR RECORD THIS 31st DAY OF December, A.D. 1963
AT 11:50 O'CLOCK A.M.

[Signature]
COUNTY CLERK

[Signature]
DEPUTY
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>File No.</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>WILLMAN, WAYNE</td>
<td>WELL 106</td>
<td>252182</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>MAJ, ANDRA M.</td>
<td></td>
<td>251634</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>UDST, CAROL, Y.A.</td>
<td></td>
<td>244647</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>TILLEMANN, CHARLES</td>
<td></td>
<td>232085</td>
<td></td>
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<td>17</td>
<td>TILLEMANN, HENRY</td>
<td>GW-2</td>
<td>247347</td>
<td></td>
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<td>18</td>
<td>RASMUSSEN, LENORE Q.</td>
<td>GW-4</td>
<td>251940</td>
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<tr>
<td>20</td>
<td>BARREER, J. W. S.</td>
<td>GW-2</td>
<td>272329</td>
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<tr>
<td>20</td>
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<td>GW-2</td>
<td>271129</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>KRUSE, CLIFFORD</td>
<td>GW-3</td>
<td>272334</td>
<td></td>
</tr>
<tr>
<td>24</td>
<td>BARREER, J. W. S.</td>
<td>GW-2</td>
<td>272332</td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>HALETH, HENRY</td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>27</td>
<td>TILLEMANN, CHARLES</td>
<td>GW-2</td>
<td>252086</td>
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<td>28</td>
<td>CONRAD, J. R.</td>
<td>GW-2</td>
<td>254145</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>S &amp; B</td>
<td>GW-2</td>
<td>259148</td>
<td></td>
</tr>
<tr>
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<td>S &amp; B</td>
<td>GW-2</td>
<td>254145</td>
<td></td>
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</table>
**WATER WELL LOG**

<table>
<thead>
<tr>
<th>Owner</th>
<th>Address</th>
</tr>
</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Address</td>
</tr>
<tr>
<td>Date Started</td>
<td>Date Completed</td>
</tr>
<tr>
<td>Location: Sec.</td>
<td>R.</td>
</tr>
</tbody>
</table>

**Type of well**
* (Dug, driven, bored, or drilled)  
* Equipment used:  
* (Churn drill, rotary, etc.)

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

**Casing**
* ft. to ft.  
* Type  
* Size

**Perforated or Screened**
* Ft. to Ft.  
* Fl. to Ft.

**Type of screen or perforations**

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

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

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

**How tested**:  

**Length of test**:  

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

(over)
MONTANA BUREAU OF MINES AND GEOLOGY  

WATER WELL LOG  

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Owner</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Address</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Driller</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Address</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Date Started</td>
<td>8/10/61</td>
</tr>
<tr>
<td>Date Completed</td>
<td>8/21/61</td>
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<tr>
<td>Location</td>
<td>Sec. 3 T. 31 R. 20 W. 1/4 sec. N 1/4 N 1/4</td>
</tr>
<tr>
<td>Type of well</td>
<td>[Redacted]</td>
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<td>Equipment used</td>
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<td>Water use</td>
<td>Stock</td>
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<td>Stock</td>
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<tr>
<td>Irrigation</td>
<td>No</td>
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<tr>
<td>Casing length</td>
<td>341 ft. to 375 ft.</td>
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<tr>
<td>Type</td>
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<tr>
<td>Size</td>
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<tr>
<td>Casing length</td>
<td>315 ft. to 375 ft.</td>
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<td>Perforated or Screened</td>
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<td>Static Water level, for non-flowing well</td>
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<tr>
<td>Shut-in pressure, for flowing well</td>
<td>[Redacted]</td>
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<tr>
<td>Pumping water level</td>
<td>385 ft.</td>
</tr>
<tr>
<td>How tested</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Length of test</td>
<td>[Redacted]</td>
</tr>
<tr>
<td>Remarks</td>
<td>[Redacted]</td>
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(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></td>
</tr>
<tr>
<td>12 - 14</td>
<td>water, sand, and gravel</td>
</tr>
<tr>
<td>14 - 16</td>
<td>sand, silt, and gravel</td>
</tr>
<tr>
<td>16 - 18</td>
<td>sand; silt; and gravel</td>
</tr>
<tr>
<td>18 - 20</td>
<td>sand, silt, and gravel</td>
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<tr>
<td>20 - 22</td>
<td>sand, silt, and gravel</td>
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<td>22 - 24</td>
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<td>24 - 26</td>
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<td>26 - 28</td>
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<td>28 - 30</td>
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<tr>
<td>30 - 32</td>
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<td>32 - 34</td>
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<td>34 - 36</td>
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<td>36 - 38</td>
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<td>38 - 40</td>
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<td>40 - 42</td>
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<td>54 - 56</td>
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<td>sand, silt, and gravel</td>
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<td>72 - 74</td>
<td>sand, silt, and gravel</td>
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<tr>
<td>74 - 76</td>
<td>sand, silt, and gravel</td>
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<tr>
<td>76 - 78</td>
<td>sand, silt, and gravel</td>
</tr>
<tr>
<td>78 - 80</td>
<td>sand, silt, and gravel</td>
</tr>
</tbody>
</table>
### Log of Well

<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>From</td>
<td>To</td>
</tr>
<tr>
<td>0</td>
<td>15</td>
</tr>
<tr>
<td>15</td>
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<td>370</td>
<td>380</td>
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<tr>
<td>380</td>
<td>390</td>
</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

Owner: 
Address: 

Date of Notice of Appropriation of Groundwater: 9-1-63
Date well started: 9-23-63 Date completed: 9-27-63

Type of well: Drilled  
Equipment Used: Chem Drill

Water Use: Domestic  
Municipal  
Other  
Irrigation

<table>
<thead>
<tr>
<th>Strata Met with in Drilling</th>
<th>Depth</th>
<th>Character</th>
</tr>
</thead>
<tbody>
<tr>
<td>clay</td>
<td>0</td>
<td>soil</td>
</tr>
<tr>
<td>gravel</td>
<td>10</td>
<td>sand</td>
</tr>
<tr>
<td>sandstone</td>
<td>120</td>
<td>gravel</td>
</tr>
<tr>
<td>sandstone</td>
<td>145</td>
<td>gravel</td>
</tr>
<tr>
<td>water table</td>
<td>180</td>
<td>sand</td>
</tr>
<tr>
<td>silt</td>
<td>190</td>
<td>silt</td>
</tr>
<tr>
<td>silt</td>
<td>200</td>
<td>silt</td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 17 feet.
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 140 feet at 140 gal. per minute.
Discharge in gal. per min. of flowing well: 

How Tested: Static  
Length of Test: 1/2 hour

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

Driller's License Number

Driller's Signature

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

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

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

Date of Notice of Appropriation: 9-1-63
Date Well Started: 9-23-63
Date Completed: 9-27-63

 WN

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

Show exact depth of bottom.
STATE OF MONTANA)
County of Blaine

FILED FOR RECORD THIS _3_ DAY
OF A.D. 1963
AT THE STATIONERY OFFICE, M.

COUNTY CLERK

DEPUTY