### Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

**Owner:** Phillips Petroleum Corp.  
**Address:** Out Bank, Montana

**Driller:** Akins Drilling Co.  
**Address:** Shelby, Montana

Date of Notice of Appropriation of Groundwater:

Date well started: 6-5-62  
Date Completed: 6-16-62

**Type of well:** Drilled  
**Equipment Used:** Churn (dug, driven, bored or drilled)

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

**State of Montana**

**ADMINISTRATOR OF GROUNDWATER CODE**

**OFFICE OF STATE ENGINEER**

---

<table>
<thead>
<tr>
<th>Stratum</th>
<th>Depth</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gray Sand (Water)</td>
<td>35/8-248 ft</td>
<td>Static Water Level for non-flowing well 25'1' feet.</td>
</tr>
<tr>
<td>Gray Sand</td>
<td>0-30 ft</td>
<td>Shut-in Pressure for Flowing Well.</td>
</tr>
<tr>
<td>Gray Shale</td>
<td>30-100 ft</td>
<td>Pumping Water Level 286.9 feet at 73 gal. per minute.</td>
</tr>
<tr>
<td>Water Sand</td>
<td>100-350 ft</td>
<td>Discharge in gal. per min. of flowing well.</td>
</tr>
</tbody>
</table>

**How Tested:** Pumping.  
**Length of Test:** 24 Hrs.

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

Cemented 8 5/8 casing to surface.

---

**Driller's License Number:** 99  
**Driller's Signature:**

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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

Notice of Completion of Groundwater Appropriation by Means of Well

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Phillips Petroleum Corp.
Address: Cut Bank, Montana

Driller: Akins Drilling Co.
Address: Shelby, Montana

Date of Notice of Appropriation of Groundwater: April 9, 1962

Date well started: 11-61
Date completed: 5-28-62

Type of well: Drilled
Equipment used: Churn

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

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>10'</td>
<td>8 5/8&quot;-21/4&quot;</td>
<td>0</td>
<td>220</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing well... 221' feet
Shut-in Pressure for Flowing Well
Pumping Water Level...
Discharge in gal. per min. of flowing well...
How Tested...
Length of Test...

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

Casing cemented to surface

Driller's License Number
Driller's Signature

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the School of Mines and Quadruplicate for the Appropriator.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER
Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. Phillips Petroleum Company
   of Box 938
   Cut Bank
   County of Glacier, State of Montana
   intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is primary recovery of oil from the
   Cut Bank Sandstone in the S.W. 1/4 of Section 3, T. 32N, R. 29E, Sec. 30, T. 32N, R. 29E, Section 30, Glacier County, Montana.
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
   150 GPM total

4. The annual period (inclusive dates) of intended use
   year round

5. The probable or intended date of first beneficial use
   June 1, 1962

6. The probable or intended date of commencement and completion of the well or wells
   May 1963

7. The location, type, size and depth of well or wells contemplated
   Well No. 14-65, 2371 2/4, T. 32N, R. 29E, Sec. 30, T. 32N, R. 29E, Glacier County, Montana. Well to be drilled with 13-5/8" surface pipe to 1000' and 11" hole to 12, 8-5/8" MD 2-1/2" casing will be set to Madison Limestone.

8. The probable or estimated depth of the water table or artesian aquifer
   Madison Limestone 3300 to 3400'.

9. Name, address and license number of the driller engaged
   Warren Atkins, 151 10th Ave. North, Shelby, Montana. License No. 0-2860

10. Give such other similar information as may be useful in carrying out the policy of this act.

Signature of Appropriator:

As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961)

1. Phillips Petroleum Company
   Name of Appropriator
   Box 238
   Address
   Cut Bank
   Town
   Glacier
   County
   Montana

intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Secondary recovery of oil from the
   Cut Bank Sandstone in the S.W. Cut Bank Sand Unit in Glacier & Fergus Counties, Mont.
   (describe lands to be benefited, if for irrigation)

3. The rate of use in gallons per minute or miner's inches of groundwater claimed
   150 GPM total

4. The annual period (inclusive dates) of intended use
   Year round

5. The probable or intended date of first beneficial use
   June 1, 1962

6. The probable or intended date of commencement and completion of the well* or wells*
   Commences April 15, 1962; complete by May 10, 1962

7. The location, type, size and depth of well or wells contemplated
   30-67 9901' 1/2, 23161 1/2, 9701' 1/2 & 68-67 - 13161 1/2, 21501' 1/2, Sec.30-31W-26, Glacier
   County, Wells to be drilled with 11' hole and tested through 8-3/8' 20 casing in Eagle Sandstone, estimated 300-350'.
   Eagle Sandstone

8. The probable or estimated depth of the water table or artesian aquifer
   350-350'

9. Name, address and license number of the driller engaged
   George Jensen, Cut Bank, Montana
   License No. 30

10. Give such other similar information as may be useful in carrying out the policy of this act

    Plan to test Eagle Sandstone for suitability
    of water supply at the three locations shown.
    If insufficient water is not found surface casing
    will be abandoned and the wells will be deepened
    by another driller for use in oil production
    operations.

    4 Sec. 30, T.31N R.5W
    Locate well or other means of development as accurately as possible on the plat

    Signature of Appropriator. Phillips Petroleum Company
    By: Earl F. Shaw, Dist. Sept.
    Date: May 21, 1962

    * As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the
      ground, however made, by which groundwater can be obtained or through which it flows under
      natural pressures or is artificially withdrawn.

Three copies of this notice are to be filed with 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.
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1962

Owner: [Name]
Bank: [Bank]
Address: [Address]
Cut Bank, Mont.

Contractor (if any)
Address of Contractor:

Date Started: 1962; Date Completed: 1964

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.

<table>
<thead>
<tr>
<th>X</th>
<th>X</th>
<th>X</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

SE NW 4 Sec 33, T.32, R.5W

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

Signature of Owner: [Signature]
Date: Dec. 31, 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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Florence M. Hofland of P. O. Box 306, Cut Bank,
   (Name of Appropriator) (Address) (Town)
   County of Glacier State of Montana have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:
   X
   X
   X
   X
   X
   X
   X
   X

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1947. Used ever since

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1947

8. The depth of water table: 28 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: 107 feet deep, 6 inch galvanized casing

10. The estimated amount of groundwater withdrawn each year: 750,000 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: Florence M. Hofland
Date: Dec. 17, 1963

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

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

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

Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater

Owner: Leo W. Nelson
Address: Box 345, Hardin, MT

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

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.

Since LAND WAS HOMESTEADED

Signature of Owner: Leo W. Nelson
Date: 12/31/63

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

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; Triplicate to the Montana
Bureau of Mines and Geology and Quadruplicate for the Appropriator.
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: HAROLD C. MILLER
Address: T 32, R 56, SW, 
County: Lewis
State of: Mont.
Town: Cut Bank

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1935.

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

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

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: 10.5 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: O. E. Nelson
Date: 12/31/63

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>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>36</td>
<td>Fire Brand Compartment</td>
<td>602</td>
<td>64712</td>
<td></td>
</tr>
<tr>
<td>36</td>
<td>Fire Brand Compartment</td>
<td>651</td>
<td>64711</td>
<td></td>
</tr>
</tbody>
</table>
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 227 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

Fire Brand. Court

Address

Box 81

Date well started Jan, 30-72

Type of well Drilled

Equipment used Rotary

Water Use: Domestic ☑ Municipal ☐ Stock ☐ Irrigation ☐

Industrial ☐ Drainage ☐ Other ☐ Garden/Lawn ☐

*Describe

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

ESTIMATED ANNUAL WITHDRAWAL

<table>
<thead>
<tr>
<th>Diameter of Hole</th>
<th>Top of Ground</th>
<th>Depth of Hole</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td>10 3/4&quot;</td>
<td>9 1/8&quot;</td>
<td>0</td>
<td>55</td>
<td>55</td>
</tr>
</tbody>
</table>

PERFORATIONS

- Static water level: 43' ft.
- Pumping water level: 35' ft.
- at 70 gallons per minute, measured 59 minutes after pumping began.
- Measured from ground level.
- Well developed by Blusmann for 20 hours.
- Power: 1 HP Pump.
- 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

[Signature]

Driller's Address

[Address]

Show exact depth of bottom

51,495
Notice of Appropriation of Groundwater

State of Montana
Administrator of Groundwater Code
Montana Water Resources Board

Notice of Appropriation of Groundwater
(Under Chapter 237, Montana Session Laws, 1961, as amended)

After filing a notice of appropriation, in order to acquire a right based thereon, the person must, within ninety (90) days, commence actual excavation and diligently prosecute construction of a well and, upon its completion, file a notice of completion with the County Clerk of the county in which the appropriation is located.

Three copies of this notice are to be filed 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 may be returned.

1. **Name of Appropriator**: Firebrand Campground East Glacier Park
   - **County**: Glacier
   - **State**: Montana
   - Intend to appropriate groundwater in accordance with Chapter 237, Montana Session Laws of 1961.

2. The beneficial use to which water is to be applied is Campground & Homes.

3. The rate of use in gallons per minute or miner's inches of groundwater claimed

4. The annual period (inclusive dates) of intended use

5. The probable or intended date of first beneficial use

6. The probable or intended date of commencement and completion of the well* or wells*

7. The location, type, size and depth of well or wells contemplated

8. The probable or estimated depth of the water-table or artesian aquifer

9. The name, address, and license number of the driller engaged

10. Give such other similar information as may be useful in carrying out the policy of this act

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<table>
<thead>
<tr>
<th>For Administrator's Use</th>
</tr>
</thead>
<tbody>
<tr>
<td>File: 164111</td>
</tr>
<tr>
<td>Date: 8/2/1972 - 9:30 a.m.</td>
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</tbody>
</table>

*As defined in the Code Sec. 1 (c) "Well" means any artificial opening or excavation in the ground, however made, by which groundwater can be obtained or through which it flows under natural pressure or is artificially withdrawn.
## GROUNDWATER INDEX

**County:** Glacier  
**Twp.:** 31 N  
**Rge.:** 12 W

<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
<th>Type of Form</th>
<th>County File No.</th>
<th>Remarks</th>
</tr>
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<tbody>
<tr>
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<td>Big Spring Dr.</td>
<td>GW4</td>
<td>139046</td>
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<td>R. Schauf</td>
<td>GW3</td>
<td>139030</td>
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<td>R. Schauf</td>
<td>GW4</td>
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</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)

Name of Administrator: William Big Man

County of: 

State of: 

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

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

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

3. The amount of groundwater claimed (in miners inches or gallons per minute):

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

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

6. The depth of water table:

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.
Notice of Completion of Groundwater Appropriation Without Well

(Date of Appropriation of Groundwater: September 26, 1952)
Owner: Les Schnief  Address: East Glacier
Contractor (if any): Unknown
Address of Contractor: Unknown

Date Started: Date Completed: Unknown

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. The reservoir is 20 feet deep and 7 feet in diameter with the water flowing in at the bottom.

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. It is used as standby when the electric power is off. Originally this was the only source of supply during the winter months.

Signature of Owner: Les Schnief
Date: December 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 Montana Bureau of Mines and Geology and quadruplicate for the Appraiser.
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) of State of Montana
(Name of Appropriate) (Address) (Town)

County of Glacier

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

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been. June 1928 steady use since.

4. The amount of groundwater claimed (in miner's inches or gallons per minute). 75 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. 160 acres to sprinkle lawn about an acre and a half

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

7. The date of commencement and completion of the construction of the well or other means of withdrawal. Began June 1, 1930 and finished June 7, 1930

8. The depth of water table. 60 feet

9. So far as it may be available, the type, size, and depth of each well or the general specifications of any other works for the withdrawal of groundwater. 6 inch cased well 70 feet deep

10. The estimated amount of groundwater withdrawn each year. 2,000,000 gallons

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

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

Signature of Owner

Date. December 30

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

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

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

(Under Chapter 237, Montana Session Laws, 1961)

I. Lee Schauf, of East Glacier (Name of Appropriator)
   County of Glacier (Address) (Town)
   State of Montana

Declaration of Vested Groundwater Rights

I. Lee Schauf
   County of Glacier
   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: Irrigation and supplemental domestic use

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 12 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: 2 acres of lawn

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: July 1, 1959 and finished July 15, 1959

8. The depth of water table: 60 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: 7 inch cased well and 60 feet deep

10. The estimated amount of groundwater withdrawn each year: 2,500,000 gallons

11. The log of formations encountered in the drilling of each well if available: Hard sandstone at bottom

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: Lee Schauf

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

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

1. Leo Schmee (Name of Appropriator) of East Glacier (Address)

County of Glacier 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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: May 10, 1958 and finished May 24, 1958 continuous as standby

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

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

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: May 10, 1958 and finished May 24, 1958

8. The depth of water table: 60 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 6 inch casing 60 feet deep

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

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

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

Signature of Owner: Date: Dec 30, 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 Appropriatee.
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. Jane Schauf, of East Glacier (Name of Appropriator)
   (Address)
   County of Glacier (Town)
   State of Montana
   Declaration of Vested Groundwater Rights
   (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: domestic use
      for irrigation
      for eventual snow making

   3. Date or approximate date of earliest beneficial use: and how continuously the use has been used when irrigation operates: October 17, 1960

   4. The amount of groundwater claimed (in miner's inches or gallons per minute): 15 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: October 10, 1960, and finished October 17, 1960

   8. The depth of water table: 50 feet

   9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 6 inch casing and 50-foot deep

   10. The estimated amount of groundwater withdrawn each year: 2,300,000 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: Jane Schauf
   Date: Jan. 26, 1963

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

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

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

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

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

1. Name of Appropriator: William Big Spring Jr.
   Address: East Glacier Park
   Town: Montana

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1855

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 2 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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: 1955

8. The depth of water table: 46 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:

    Well in 102 ft. deep. Count off

10. The estimated amount of groundwater withdrawn each year: 2,500,000 gallons

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

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

Signature of Owner: William P. Big Spring Jr.
Date: 7/3/1963

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 Appropriator.

1965
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 APPLICANT: William Big Spring

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

Address

Town

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

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

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

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:

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

1. William Big Spring Dr., Earl Leon Park
   (Name of Appropriator)                     (Address)
   (Town)
   County of
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: 1955

4. The amount of groundwater claimed (in feet, inches or gallons per minute) 1960 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: 1953

8. The depth of water table: 15 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: 105 ft deep well

10. The estimated amount of groundwater withdrawn each year: 1,800,000

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

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

Signature of Owner: [Signature]
Date: [Date]

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

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

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

1934
<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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<td>13</td>
<td>Elwin Hassard</td>
<td>CAW</td>
<td>13602/1</td>
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</table>
Notice of Completion of Groundwater Appropriation by Means of Drilling

(Under Chapter 237, Montana Session Laws, 1961)

Owner: Ellin Mathews
Address: Helena, Montana
Driller: Emmett Peterson
Address: Cut Bank

Date of Notice of Appropriation of Groundwater: June 13, 1963
Date well started: June 16, 1963
Date completed: 

Type of well: Drilled
Equipment Used: Rotary drill

Water Use: Domestic

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

<table>
<thead>
<tr>
<th>Size of Drilled Hole</th>
<th>Size and Weight of Casing</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
<th>PERFORATIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>7&quot;</td>
<td>6&quot; x 0.15</td>
<td>0</td>
<td>12.3</td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well: 18 feet.
Shut-in Pressure for Flowing Well: 
Pumping Water Level: 14.7 feet at 5 gal. per minute.
Discharge in gal, per min. of flowing well: 
How Tested: 
Length of Test: 
Remarks: (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not as well, and any other similar pertinent information, including number of acres irrigated, if used for irrigation)

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.

4696.
<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>8</td>
<td>Bob Allen</td>
<td>Card</td>
<td>36330</td>
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</table>
STATE ENGINEER
ADMINISTRATOR OF GROUNDWATER
OFFICE OF STATE ENGINEER

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

Date well started

Date Completed

Type of well

Equipment Used

(dug, driven, bored or drilled)

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>Site</th>
<th>Size and Weight of Casing</th>
<th>From</th>
<th>To</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Static Water Level for non-flowing Well

Shut-in Pressure for Flowing Well

Pumping Water Level

Discharge in gal per min of flowing well

How Tested

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 pertinent information, including number of acres irrigated, if used for irrigation)

Grand Forks

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.

If not applicable, so state, otherwise the form will be returned.

Dedicate to the State Engineer; Triplicate to the School of Mines.
<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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<td>C634</td>
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<td>15</td>
<td>Donald J. Herbrand</td>
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</table>
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Dec 29, 1963

Donald and W. S. Baker
Owner: D. W. Baker
Address: Browning, Montana

Contractor (if any): W. W. Baker Construction Office at

Address of Contractor: Browning, Montana

Date Started: 1960
Date Completed: 1963

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

Springs:

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


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

Signature of Owner: Donald W. Baker
Date: Jan 3, 1964

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

Donald Wettel

1. Name of Appropriator: Donald Wettel
2. County of: Glacier
3. State of: Montana
4. Address: Browning, Montana
5. Town: Box 167

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 watering
   - Irrigation
   - Household use

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

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:
   - Donald Wettel

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   - Don't know

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   - 1957-1958

8. The depth of water table:
   - Six feet to thirty 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:
   - Contractor/Petitioner has this information
   - Petitioner Well Sealer filled this information in Montana

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:
    - Don't know

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:
    - Don't know

Signature of Owner: Donald Wettel
Date: 12/30/63

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

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

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

19329
<table>
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<th>Sec.</th>
<th>Name of Appropriator</th>
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<th>Remarks</th>
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<tr>
<td>31</td>
<td>At Northern Railway</td>
<td>GW2</td>
<td>156275</td>
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</tbody>
</table>
Notice of Completion of Groundwater Appropriation by Means of Well
(Under Chapter 237, Montana Session Laws, 1961)

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

Notice of Completion of Groundwater Appropriation by Means of Well

Top of Ground

Gravel mixed with some brown
clay & boulders

To red and brown

Streak sand rock approx. 10", could contain small
amount of water

Black shale

Streak grey sand rock approx. 18", could contain small
amount of water

Black shale

Static Water Level for non-flowing well 16 feet.

Shut-in Pressure for flowing well.

Pumping Water Level 43 feet x 60 gal. per minute.

Discharge in gal. per min. of flowing well.

How Tested. Air

Length of Test 72 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, Gravel packed.

Between the two casings from 23' to 55'.

Gravel packed around 6 3/4" with natural

In X 26' to bottom 55'.

Driller’s License Number

Driller’s Signature

(Signed)
<table>
<thead>
<tr>
<th>Sec.</th>
<th>Name of Appropriator</th>
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<th>Remarks</th>
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<td>P Mox Seal</td>
<td>Gu3</td>
<td>139303</td>
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<tr>
<td>23</td>
<td>W Mox Seal</td>
<td>Gu4</td>
<td>139302</td>
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</tr>
</tbody>
</table>
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: Sept. 1962
Owner: Max Stone
Address: Kalispell
Contractor (if any): None
Address of Contractor: None
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 along Dog Creek (marked with an "X" at left).

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.

Indicate point of appropriation and place of use, if possible. Approx. 160 acres, located in 3 sections as indicated. Above, listed as U.S. Forest Service H.E.S. 705.

Signature of Owner: [Signature]
Date: December 19, 1962

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
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

H. Mark Stone
of 136 E. Evergreen Dr., Helispolw

County of Flathead 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 is:
   Irrigation
   Recreation

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

4. The amount of groundwater claimed (in miner's inches or gallons per minute) estimated 50 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:
   Field for garden and crop purposes.

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   Not applicable

8. The depth of water table:
   Approx. 3' 6" 2'

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:
   Pump & bucket, planned future development for household use & recreation. Also continued use for stock water

10. The estimated amount of groundwater withdrawn each year:
    Unknown. Free flowing spring

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

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 recorded in Glacier County:
    Sec. 30 T. 21 N. R. 12 W.

Signature of Owner:

Date: Dec. 17, 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.