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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)  
(Address)  
(Town)

County of  
State of  

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

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

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

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

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

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

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

8. The depth of water table:  

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

10. The estimated amount of groundwater withdrawn each year:  

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

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

Signature of Owner  

Date  

These papers 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. Duplicate to the Montana Bureau of Mines and Geology, and Quadrangle for the Appropriator.
Filed for Record

2:00

Jan. 26, 1953

Jane M. Browster

Fees: $2.00
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

[Form fields for the owner's information, including Name, Address, Town, County, State, and the date of the taking of the groundwater right.

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 million inches or gallons per minute).

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

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

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

8. The depth of water table.

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

10. The estimated amount of groundwater withdrawn each year.

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

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

Signature of Owner: __________________________
Date: ____________________

This form is 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.

Filed by the County Clerk and Recorder. Duplicate to the State Engineer. Duplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
Filed for Record

DEC 28, 1965
Jane M. Brewster

Fees: $2.00
Notice of Completion of Groundwater Appropriation
Without Well
(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1910
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. Springs used since 1910.

Quantity of water developed and used, with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Spring flows 4 gallons per minute. (Location) Spring on NE 4th R. flows 1 gallon per minute.

Northern Pacific Railway Company
Signature of Owner: 
Date: 11/27/63

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.

Filed for Record

[Signature]

[Stamp]
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1910

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

Contractor (if any)
Address of Contractor

Date Started: Date Completed:

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water, when applicable. Springs used since 1910:

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. Springs used:

4 gallons per minute.

Northern Pacific Railway Company
Signature of Owner:

Date:

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.

Filed for Record

Jane A. Brewster,

Date: 11-12-1959
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1910

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

Contractor (if any): Northern Pacific Railway Company
Address of Contractor: St. Paul, Minn.

Date Started: Date Completed:

Describe means of obtaining groundwater without a well “as by sub-irrigation and other natural processes”. Include depth to water when applicable. Spring used since 1910.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Spring flows 3 to 4 gallons per minute.

Signature of Owner: Jane M. Brewster

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.

Filed for Record

Jane M. Brewster

[Signature]
Declaration of Vested Groundwater Rights

ENGINEER

(Complete the following information in ink.)

(Name of Appropriator) Date
(Address) (Town)

COUNTY OF STATE OF MONTANA.

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

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

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. If applicable, the use has been.

4. The amount of groundwater applied to the land. In acres.

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 method 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 the water table.

9. 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 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: ___________

This form is 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 applicable, or 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.

113338
Filed for Record 10:45 A.M.

Jane M. Brewster
Clerk

Fees $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

NAME: BROOKS

County of: CUSTER
State of: MONTANA

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

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

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): 10

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: Jan 29, 1964

This form 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.

Orignal 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.
Filed for Record
10:45 A.M.

DEC 10 1931
Jane M. Brower
C. County Clerk

Fee: $2.00
Notice of Completion of Groundwater Appropriation Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1910

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

Contractor (if any): 

Date Started: Date Completed: 

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

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use: Spring flows 1 gallon per minute.

Signature of Owner: 

Date: 

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

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.

Filed for Record

[Signature]

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

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

1. Lesli A. Dean
   (Name of Appropriator)
   County of Carter
   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 and stock watering purposes

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   August 2, 1944
   continuous domestic and stock watering

4. The amount of groundwater claimed (in miner's inches or gallons per minute)
   5 gal 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
   none

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal
   Pump, pumpjack with electricity

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   August 2, 1944 commenced—completed August 16, 1944

8. The depth of water table
   575 feet deep

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
   none except as shown under item 6

10. The estimated amount of groundwater withdrawn each year
    300 gallons per day

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 Sept. 6, 1963

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
Notice of Completion of Groundwater Appropriation
Without Well

(Under Chapter 237 Montana Session Laws, 1961)

Date of Appropriation of Groundwater: 1910

Owner: Montana Publishing Co., Address: St. Paul, Minn.

Contractor (if any): ______________________
Address of Contractor: ______________________
Date Started: ______________________
Date Completed: ______________________

Describe means of obtaining groundwater without a well "as by sub-irrigation and other natural processes". Include depth to water when applicable. Spring, used since 1910.

Quantity of water developed and used with explanation of method used to measure or estimate such amount. If use is intermittent estimate approximate lengths of periods of use. Spring flows 3 gallons per minute.

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

Northern Pacific Railway Company

Signature of Owner: ______________________
Date: ______________________

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.

Filed for Record

Jane M. Brewster

Date: ______________________
Declaration of Vested Groundwater Rights
(Under Chapter 227, Montana Session Laws, 1961)

1. Pat E. & Nellie N. Labree, of Kalaka
   (Name of Approriater) (Address) (Town)

   County of Carter State of Montana

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

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

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

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 arrange and description of the lands to which water has been applied and name of the owner thereof

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: October, 1954

8. The depth of water table: 50'

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: 130'

10. The estimated amount of groundwater withdrawn each year: 600,000 gallons

11. The log of formations encountered in the drilling of each well if available: 4 inch steel casing

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

   Signature of Owner: ____________________________
   Date: December 31, 1965

This paper to be filled 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.

Duplicate to the County Clerk and Recorder; Duplicate to the State Engineer; Duplicate to the Montana Bureau of Mines and Geology; and Quadruplicate for the Appportion.
CARTER COUNTY
EKALASKA, MONTANA
Filed for Record
at 12:00 A.M.
DEC 1 1985

Jane M. Bexwater
County Clerk
Deputy

Fee: $2.00
File No. T R
County: Carter

STATE OF MONTANA
OFFICE OF STATE ENGINEER

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

Pat H. & Nellie M. Labree, of Ekalaka, Montana
(Name of Appropriator) (Address) (Town)

County of Carter State of Montana

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

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

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

4. The amount of groundwater claimed (in minor's inches or gallons per minute): 7 gal. per min.

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: pump electric

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

8. The depth of water table: 20'

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: depth 190'

10. The estimated amount of groundwater withdrawn each year: 700,000 gal

11. The log of formations encountered in the drilling of each well if available: 6 inch steel casing

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

Signature of Owner: 
Date: December 31, 1965

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

To owner: The County Clerk and Recorder, Petrolia to the State Engineer, Triplicate to the Montana Bureau of Mines and Geology, and quadruplicate for the Appropriator.
WATER WELL LOG

Owner: Leslie Dean
Address: Kalaka, Montana

Driller: R. Bryant
Address: Kalaka, Montana

Date Started: September 23, 1957
Date Complete: September 28, 1957

Location: Sec. 10 T. 3 North, 56 R., ½ sec. 31 NW

Type of well: Drilled
Equipment used: Rotary
Type: Seamless line pipe
Size: 4 inches

Water use: Domestic

Casing: 1 ft. to 260 ft.
Type: Seamless line pipe
Size: 4 inches

Perforated or Screened: Ft. 175 to Ft. 280
Type: Drilled holes

Static Water level, for non-flowing well: 63 feet.
Shut-in pressure, for flowing well: lb./sq. in.: (date)
Pumping water level: 75 feet at 12 gal. per min.

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

Length of test: 24 hours

How tested: Bailed

(over)
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<th>Location: Sec.</th>
<th>T</th>
<th>R</th>
<th>Sec.</th>
</tr>
</thead>
<tbody>
<tr>
<td>14</td>
<td>3</td>
<td>2</td>
<td>56A</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Water use:</th>
<th>Casing:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Domestic</td>
<td>0 ft. to 102 ft. Type Black Pipe Size 6 in.</td>
</tr>
<tr>
<td>Municipal</td>
<td>102 ft. to 200 ft. Type Black Pipe Size 4 in.</td>
</tr>
<tr>
<td>Stock</td>
<td>200 ft. to 470 ft. Type Black Pipe Size 4 in.</td>
</tr>
<tr>
<td>Irrigation</td>
<td></td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
</tr>
<tr>
<td>Other</td>
<td></td>
</tr>
</tbody>
</table>

Perforated or Screened: 170 ft. to 200 ft.

Type of screen or perforations: 1/4-inch holes

Static Water level, for non-flowing well:

Shut-in pressure, for flowing well:

Pumping water level:

How tested: Bailer tested

Length of test: 1 hour

Remarks: (Gravel packing, cementing, packers, type of shut-off, depth of shut-off)
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>From</th>
<th>To</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>4</td>
<td></td>
<td>Top Soil</td>
</tr>
<tr>
<td>4</td>
<td>22</td>
<td></td>
<td>Yellow Sand</td>
</tr>
<tr>
<td>22</td>
<td>95</td>
<td></td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>95</td>
<td>102</td>
<td></td>
<td>Gray Slate</td>
</tr>
<tr>
<td>102</td>
<td>130</td>
<td></td>
<td>Dark Slate</td>
</tr>
<tr>
<td>130</td>
<td>133</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>133</td>
<td>160</td>
<td></td>
<td>Gray Slate</td>
</tr>
<tr>
<td>160</td>
<td>170</td>
<td></td>
<td>Sandy Slate</td>
</tr>
<tr>
<td>170</td>
<td>200</td>
<td></td>
<td>Sandrock</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Mary E. Louis K
or E. K. Kaka
Mont.

County of Carter
State of Montana

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

2. The beneficial use on which the claim is based:
   Stock Well
   for Cattle

3. Date or approximate date of earliest beneficial use; and how continuous the use has been: October 25 - 1943 daily for 200 head of Cattle

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 30 gallons per minute

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   Wind Well 34 1/2 and cylinder

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: Oct 1 - 1943 - Oct 25 - 1943

8. The depth of water table: Not known
   To Water from Top: 1 Water Table 10 feet

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater:
   Wind Well 34 1/2 inches diameter from Top 16 feet deep. 1/2 inch pipe 16 feet of Nuisance

10. The estimated amount of groundwater withdrawn each year: To Water 200 head of Cattle

11. The log of formations encountered in the drilling of each well if available: From Top 16 feet
   Black Sand 4 feet
   of Nuisance

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: Carter County A.S.G. Official

Signature of Owner: Mary E. Louis K

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
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.

Date well started 6-27-72

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 210, 000 gal.

Top of Ground (Elev. above sea level)

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>From (Feet)</th>
<th>To (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>10</td>
<td>150</td>
</tr>
<tr>
<td>15</td>
<td>50</td>
<td>100</td>
</tr>
</tbody>
</table>

Static water level 6.0 ft.
Pumping water level 6.0 ft.
at 150 gallons per minute, measured 6 minutes after pumping began.

*Measured from ground level.

Well developed by

for hours.

Power Pump HP

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

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

Driller's Signature

Driller's Address

LICENSE NO. 72

59665
CARTER COUNTY
MALAD, MONTANA
Filed for Record
10:00 am, 9am
JULY 7
JANE M. BREWER

\[\text{Signature}\]

7:01 PM 7.2.10
<table>
<thead>
<tr>
<th>Owner</th>
<th>Joe Lovleeik</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Elkaloa, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Henry Briant</td>
</tr>
<tr>
<td>Address</td>
<td>Elkaloa, Montana</td>
</tr>
<tr>
<td>Date Started</td>
<td>November 2, 1960</td>
</tr>
<tr>
<td>Date Completed</td>
<td>November 7, 1960</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 22, T. 3N., R. 56E., 1/4 sec.</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
</tr>
<tr>
<td>Equipment used</td>
<td>Rotary</td>
</tr>
<tr>
<td>Water use</td>
<td>Stock</td>
</tr>
<tr>
<td>Type of screen or perforations</td>
<td>Roded holes</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well:</td>
<td>30 feet.</td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well:</td>
<td>35 lb/sq. in. on: 30 (date)</td>
</tr>
<tr>
<td>Pumping water level:</td>
<td>100 feet at 10 gal. per min.</td>
</tr>
<tr>
<td>How tested</td>
<td>Failing</td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel pecking, cementing, packers, type of shut-off, depth of shut-off)</td>
</tr>
</tbody>
</table>

(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>20</td>
</tr>
<tr>
<td>20</td>
<td>35</td>
</tr>
<tr>
<td>35</td>
<td>40</td>
</tr>
<tr>
<td>40</td>
<td>50</td>
</tr>
<tr>
<td>50</td>
<td>65</td>
</tr>
<tr>
<td>65</td>
<td>70</td>
</tr>
<tr>
<td>70</td>
<td>100</td>
</tr>
<tr>
<td>100</td>
<td>110</td>
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<td>110</td>
<td>140</td>
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<td>140</td>
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</tr>
<tr>
<td>145</td>
<td>150</td>
</tr>
<tr>
<td>150</td>
<td>160</td>
</tr>
<tr>
<td>160</td>
<td>180</td>
</tr>
</tbody>
</table>
### Montana Bureau of Mines and Geology

**State Engineer**

**Butte, Montana**

---

#### Water Well Log

<table>
<thead>
<tr>
<th>Owner</th>
<th>Walter Gyer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Address</td>
<td>Butte, Montana</td>
</tr>
<tr>
<td>Driller</td>
<td>Mervle R. Sandy</td>
</tr>
<tr>
<td>Address</td>
<td>Belle Fourche, So. Dak.</td>
</tr>
</tbody>
</table>

- **Date Started:** 10/3/79
- **Date Completed:** 10/4/79
- **Location:** Sec. 22. T. 3 N., R. 56 E., 1/4 sec. 63 of 51

**Type of Well:** Drilled

**Equipment used:** Rotary

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

**Casing:**
- 0 ft. to 123 ft. Type: Black 7d
- Size: 4 lnch

**Perforated or Screened:**
- Ft. to Ft. Type: Screen
- Size: [ ]

**Static Water level, for non-flowing well:** 59.5 ft. + Top

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

**Pumping water level:** 120 feet at 15 gal. per min. Obs

**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>81</td>
<td>102</td>
</tr>
<tr>
<td>102</td>
<td>120</td>
</tr>
<tr>
<td>120</td>
<td>123</td>
</tr>
<tr>
<td>123</td>
<td>150</td>
</tr>
<tr>
<td>150</td>
<td>154</td>
</tr>
<tr>
<td>154</td>
<td>160</td>
</tr>
</tbody>
</table>
### Water Well Log

**Location**: Sec. 22, T. 1 N., R. 6 W., Section ___, Range SE_1/4

#### Well Details

**Owner**: Walter J. Gayne  
**Address**: Balaka, Montana

**Driller**: Henry Brier  
**Address**: Balaka, Montana

**Date Started**: September 16, 1957  
**Date Completed**: September 18, 1957

#### Well Specifications

- **Type of well**: Drilled  
- **Equipment Used**: Roto
- **Water use**: Domestic, Municipal, Stock, Irrigation, Industrial, Drainage, Other:

<table>
<thead>
<tr>
<th>Depth (ft)</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0 to 100</td>
<td>Black Pipe</td>
<td>4 in. I.D.</td>
</tr>
<tr>
<td>90 to 190</td>
<td>Black Pipe</td>
<td>3 in. I.D.</td>
</tr>
<tr>
<td>190 to 350</td>
<td>Black Pipe</td>
<td></td>
</tr>
</tbody>
</table>

- **Perforated or Screened**: 160 ft. to 190 ft.  
- **Type of screen or perforations**: 

- **Static Water level, for non-flowing well**: 155 feet

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

- **Pumping water level**: 160 feet at 12 gal. per min.

- **How tested**: Bailier

- **Length of test**: 1 hr.

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

...
<table>
<thead>
<tr>
<th>Depth, feet</th>
<th>Description of Material Drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>Top Soil</td>
</tr>
<tr>
<td>3</td>
<td>Sand</td>
</tr>
<tr>
<td>12</td>
<td>Yellow Clay</td>
</tr>
<tr>
<td>43</td>
<td>Dark Shale</td>
</tr>
<tr>
<td>59</td>
<td>Rock</td>
</tr>
<tr>
<td>62</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>78</td>
<td>Rock</td>
</tr>
<tr>
<td>78</td>
<td>Dark Shale</td>
</tr>
<tr>
<td>115</td>
<td>Light Shale</td>
</tr>
<tr>
<td>142</td>
<td>Sandy Shale</td>
</tr>
<tr>
<td>178</td>
<td>Sand Rock</td>
</tr>
<tr>
<td>182</td>
<td>Sand</td>
</tr>
</tbody>
</table>
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Charles W. Gray of Ekalaka
County of Carter State of Montana
have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1958 - Continuous

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

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
   Well - Windmill & Electric Pump

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

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
   Boxed 4" casing 200 ft deep

10. The estimated amount of groundwater withdrawn each year
    15,000 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 2-12-62

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines; and quadruplicate for the Approprietor.
Filed for Record

EEO 13 1962

[Signature]

[Signature]

FEB 13 1962

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

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

Charles W. Buyer
of Ekalaka
County of Carter
State of Montana

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

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

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

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

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

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

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

8. The depth of water table: 

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

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: Charles W. Buyer
Date: 2-12-62

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Filed for Record

Feb 13 1952

Mary Nicholson
Clerk

Fee $2.00
Notice of Completion of Groundwater Appropriation by Means of Well

STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
STATE WATER CONSERVATION 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)

Owner: Charles C. Miller
Address: Ekalaka, Mont.

Driller: Merle R. Sandy
Address: Belle Fourche, S.D.

Date of Notice of appropriation of groundwater: 9-9-70

Date well started: 8-30-70

Type of well: Drilled
Equipment used: Rotary

Type of well: (Dug, driven, bored or drilled) (Churn drill, rotary or other)

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

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

Static Water Level for non-flowing well
Shut-off Pressure for Flowing Well
Pumping Water Level

Discharge in gal. per min. of flowing well

How Tested: Pumped
Length of Test: 160 min.

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

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).

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, tissue copy to be retained by driller.

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

Driller's License Number

Driller's Signature

Date 4-7-71
CARTER COUNTY
Ekalaka, Montana
Filed for Record

SEP 9 1926

JANE M. BREWER
Clerk
County

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

1. Charles W. Guyer of Ekalaka
   (Name of Appropriator) (Address) (Town)
   County of Carter State of Montana
   have appropriated groundwater according to the Montana laws in effect prior to January 1, 1962, as follows:

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

3. Date or approximate date of earliest beneficial use; and how continuous the use has been
   1947 - Continuous

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

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
   Not Used for Irrigation

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

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater
   1977

8. The depth of water table
   150 feet

9. So far as it may be available, the type, size and depth of each well, or the general specifications of any other works for the withdrawal of groundwater
   Drilled well 120 feet deep

10. The estimated amount of groundwater withdrawn each year
    20,000 gallons

11. The log of formation 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
    Charles W. Guyer
    Date 2-12-62

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

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

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

2:15 PM

FEB 13 1962

LGP Finkelman
Deputy Clerk

Jan 12, 1962

FEE $2.00
**Notice of Completion of Groundwater Appropriation by Means of Well**

(Under Chapter 237, Montana Session Laws, 1961)

Date of Notice of Appropriation of Groundwater: __________

Date Well Started: __________

Date Completed: __________

**Type of Well:** Drilled

**Equipment Used:** Rotary

(Churn, drill, rotary or other)

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

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

<table>
<thead>
<tr>
<th>Strata Met with</th>
<th>Depth (Feet)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Soil</td>
<td>0.5</td>
</tr>
<tr>
<td>Clay</td>
<td>1.0</td>
</tr>
<tr>
<td>Shale</td>
<td>2.5</td>
</tr>
</tbody>
</table>

**Static Water Level for non-flowing Well:** 52 feet

**Shut-in Pressure for Flowing Well:** 250 feet at 25 gals. per minute

**Pumping Water Level:** 210 feet at 25 gals. per minute

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

**How Tested:** Pumped

**Length of Test:** Hour

**Remarks:** (Gravel packing, cementing, packers, type of shutoff, location of place of use of groundwater if not at well, and any other pertinent knowledge, 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.
CARTER COUNTY
EKALAKA MONTANA
Filed for Record
in 10:10 AM
JUL 9 1965

Judge

Deputy

Fee: $2.00
STATE OF MONTANA
ADMINISTRATOR OF GROUNDWATER CODE
OFFICE OF STATE ENGINEER

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

Charles W. Buyer

1. (Name of Appropriator) 433.4

2. United States

3. Date or approximate date of earliest beneficial use and how continuous the use has been January 1, 1962

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

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

6. The means of withdrawing such water from the ground and the locality 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 180 feet

8. The depth of water table

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

10. The estimated amount of groundwater withdrawn each year 20,000 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 Charles W. Buyer

Date 2-12-62

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

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

Original to the County Clerk and Recorder; duplicate to the State Engineer; triplicate to the School of Mines and quadruplicate for the Appropriator.
Filed for Record

FEB 13 1982

King Richardson

Total $2.00
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

Pat H. Read or Medall to Three Forks, Montana

County of Carter

State of Montana

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

2. The beneficial use of which the claim is based: Water for

3. Date or approximate date of earliest beneficial use: 1941

4. The amount of groundwater claimed (in miner's inches or gallons per minute): 10 gallons No. 1 well, 10 gallons No. 2 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: Electric pump.

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater: No. 1 well 1941. No. 2 well 1943.

8. The depth of water table: No. 1 well 35 ft. No. 2 well 30 ft.

9. So far as it may be available, the type, size and depth of each well or the general specifications of any other works for the withdrawal of groundwater: No. 1 well 150 ft. 3 ft. curving.

10. The estimated amount of groundwater withdrawn each year: No. 1 well 500,000. No. 2 well 1,000,000.

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

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

Signature of Owner: Pat H. Rea
Date: December 25, 1962

This form 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.

Respectfully submitted: County Clerk and Recorder: Duplicate to the State Engineer. Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropurator.
Notice of Completion of Groundwater Appropriation by Means of Well

DEVELOPED AFTER JANUARY 1, 1962

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

OWNER: Milton Mauck
ADDRESS: Koloa, Mont.

DRILLER: M. R. Bandy
ADDRESS: Belle Fourche, SD

Date of Notice of appropriation of groundwater: 4-27-70
Date well started: 4-27-70
Date completed: 5-19-70

Type of well: Dug
Equipment used: Rotary

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
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, packer type, etc.)

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

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

Show exact depth of bottom.

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

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

Driller’s License Number

Driller’s Signature

[Diagram and tables with data filled in]
CARTER COUNTY
CIVIL recorder MONTANA
File No. Record
A00
SEP 1 0 1970

Signed By:________
County Clerk

Filed 9 00
Dated 30-6-3

State of Montana
Chief State Engineer

Examination of Initial Ground Water Wells

In accordance with the requirements of Section 237, Montana Water Code June 1961

Jay Lake, Carter County

<table>
<thead>
<tr>
<th>SE</th>
<th>SE</th>
<th>NE</th>
<th>W</th>
<th>E</th>
<th>NE</th>
<th>SE</th>
<th>SE</th>
</tr>
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<tbody>
<tr>
<td>S</td>
<td>S</td>
<td>E</td>
<td>1</td>
<td>1</td>
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<td>S</td>
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</table>

Wells

<table>
<thead>
<tr>
<th>Well</th>
<th>No.</th>
<th>1</th>
<th>2</th>
<th>3</th>
<th>4</th>
<th>5</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>281</td>
<td>282</td>
<td>283</td>
<td>284</td>
<td>285</td>
<td></td>
</tr>
</tbody>
</table>

Basal surf: 280 281 282 283 284 285

Art. of use: April 28 Janet 28 April 28 Janet 28

Gal per min: 5 5 5 5 5 5

Completion: Before Before Before Before Before

Drilled 280 281 282 283 284 285

Max depth: 859 859 859 859 859 859

Ampl of well: 7 7 7 7 7 7

Log: yes yes yes yes yes

Jay Lake

Ex. 31-6-3

[Signature]

State of Montana
County of Carter

[Signature]

Ex. 31-6-3
<table>
<thead>
<tr>
<th>Type of well</th>
<th>Drilled</th>
<th>Equipment used</th>
<th>Rotary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water use:</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Industrial</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Drainage</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Other:</td>
<td></td>
<td></td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>Casing:</th>
<th>ft. to</th>
<th>ft.</th>
<th>Type</th>
<th>Size</th>
</tr>
</thead>
<tbody>
<tr>
<td>0</td>
<td>236</td>
<td></td>
<td>Black tubing</td>
<td>4 Inch</td>
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<table>
<thead>
<tr>
<th>Perforated or Screened: Ft.</th>
<th>ft. to</th>
<th>Ft.</th>
<th>to Ft.</th>
</tr>
</thead>
<tbody>
<tr>
<td>230</td>
<td>40</td>
<td></td>
<td></td>
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</table>

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

<table>
<thead>
<tr>
<th>Static Water level, for non-flowing well:</th>
<th>feet</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>112</td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Pumping water level:</th>
<th>feet at</th>
<th>gal. per min</th>
</tr>
</thead>
<tbody>
<tr>
<td>118</td>
<td>16</td>
<td></td>
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</table>

<table>
<thead>
<tr>
<th>How tested:</th>
<th>bail testing</th>
</tr>
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</table>

<table>
<thead>
<tr>
<th>Length of test:</th>
<th>hours</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Remarks:</th>
<th>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>--------------------------------</td>
</tr>
<tr>
<td>0 - 20</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>20 - 45</td>
<td>Gray shale</td>
</tr>
<tr>
<td>45 - 50</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>50 - 65</td>
<td>Light shale</td>
</tr>
<tr>
<td>65 - 70</td>
<td>Coal</td>
</tr>
<tr>
<td>70 - 110</td>
<td>Green shale</td>
</tr>
<tr>
<td>110 - 148</td>
<td>Light shale</td>
</tr>
<tr>
<td>148 - 190</td>
<td>Sandy shale</td>
</tr>
<tr>
<td>190 - 230</td>
<td>Water sand</td>
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</table>
WATER WELL LOG

<table>
<thead>
<tr>
<th>Owner</th>
<th>Leslie Dean</th>
<th>Address</th>
<th>Ekalaka, Montana</th>
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</thead>
<tbody>
<tr>
<td>Driller</td>
<td>Maple R. Candy</td>
<td>Address</td>
<td>Belle Fourche, S. D.</td>
</tr>
<tr>
<td>Date Started</td>
<td>10-5-59</td>
<td>Date Completed</td>
<td>10-9-59</td>
</tr>
<tr>
<td>Location</td>
<td>Sec. 34 T 3 W R 56 1/4 sec</td>
<td></td>
<td>Butte, Montana</td>
</tr>
<tr>
<td>Type of well</td>
<td>Drilled</td>
<td>Equipment used</td>
<td>Rotary</td>
</tr>
<tr>
<td>Water use</td>
<td>Domestic</td>
<td>Municipal</td>
<td>Stock</td>
</tr>
<tr>
<td>Casing</td>
<td>FT 15 ft to 131 ft</td>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Casing</td>
<td>FT 131 ft to 133 ft</td>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Perforated or Screened</td>
<td>FT 133 ft to 139 ft</td>
<td>Type</td>
<td>Steel</td>
</tr>
<tr>
<td>Static Water level, for non-flowing well</td>
<td>86 ft. from top</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Shut-in pressure, for flowing well</td>
<td>( \text{lb./sq. in. on:} ) (date)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Pumping water level</td>
<td>120 ft</td>
<td>Feet at</td>
<td>15 gal. per min</td>
</tr>
<tr>
<td>How tested</td>
<td>Pumped</td>
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<td></td>
</tr>
<tr>
<td>Length of test</td>
<td>1 hour</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Remarks</td>
<td>(Gravel packing, cementing, packers, type of shut-off, depth of shut-off)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Depth, feet</td>
<td>From</td>
<td>To</td>
<td>Description of Material Drilled</td>
</tr>
<tr>
<td>------------</td>
<td>------</td>
<td>-----</td>
<td>---------------------------------</td>
</tr>
<tr>
<td>0</td>
<td>1</td>
<td></td>
<td>Surface</td>
</tr>
<tr>
<td>1</td>
<td>5</td>
<td></td>
<td>Gray shale</td>
</tr>
<tr>
<td>5</td>
<td>15</td>
<td></td>
<td>Tan &amp; Gray shale</td>
</tr>
<tr>
<td>15</td>
<td>16</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>16</td>
<td>23</td>
<td></td>
<td>Tan andy shale</td>
</tr>
<tr>
<td>23</td>
<td>32</td>
<td></td>
<td>Gray shale</td>
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<tr>
<td>32</td>
<td>42</td>
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<td>Coal</td>
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<tr>
<td>42</td>
<td>44</td>
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<td>Gray shale</td>
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<tr>
<td>44</td>
<td>48</td>
<td></td>
<td>Coal</td>
</tr>
<tr>
<td>48</td>
<td>56</td>
<td></td>
<td>Light gray shale</td>
</tr>
<tr>
<td>56</td>
<td>78</td>
<td></td>
<td>Sand</td>
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<td>78</td>
<td>95</td>
<td></td>
<td>Gray shale gritty</td>
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<td>95</td>
<td>98</td>
<td></td>
<td>Sand</td>
</tr>
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<td>98</td>
<td>107</td>
<td></td>
<td>Gray siltty shale</td>
</tr>
<tr>
<td>107</td>
<td>109</td>
<td></td>
<td>Rock</td>
</tr>
<tr>
<td>109</td>
<td>124</td>
<td></td>
<td>Sand</td>
</tr>
<tr>
<td>124</td>
<td>131</td>
<td></td>
<td>Sandy gray shale</td>
</tr>
<tr>
<td>Sec.</td>
<td>Name of Appropriator</td>
<td>Type of Form</td>
<td>County File No.</td>
</tr>
<tr>
<td>------</td>
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<tr>
<td>2</td>
<td>ASKIN, H. L.</td>
<td>GW-4</td>
<td>11395</td>
</tr>
<tr>
<td>4</td>
<td>ASKIN, H. L.</td>
<td>GW-4</td>
<td>11395</td>
</tr>
<tr>
<td>6</td>
<td>GUYER, CHARLES</td>
<td>GW-2</td>
<td>115840</td>
</tr>
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<td>8</td>
<td>GUYER, CHARLES W.</td>
<td>GW-4</td>
<td>11395</td>
</tr>
<tr>
<td>9</td>
<td>NOR P &amp; Ry Co</td>
<td>GW-3</td>
<td>112839</td>
</tr>
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<td>10</td>
<td>HALL, GLEN</td>
<td>GW-2</td>
<td>113153</td>
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<tr>
<td>12</td>
<td>MEHLING, Mrs. GLADDY</td>
<td>GW-4</td>
<td>113348</td>
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<tr>
<td>12</td>
<td>BRIANT, GLADDY</td>
<td>GW-2</td>
<td>110099</td>
</tr>
<tr>
<td>12</td>
<td>MEHLING, FRANK &amp; HARLAN</td>
<td>GW-2</td>
<td>113145</td>
</tr>
<tr>
<td>12</td>
<td>MEHLING, FRANK &amp; HARLAN</td>
<td>GW-2</td>
<td>113145</td>
</tr>
<tr>
<td>15</td>
<td>CASTLEBERRY, FULTON</td>
<td>GW-2</td>
<td>113329</td>
</tr>
<tr>
<td>15</td>
<td>HALL, GLEN</td>
<td>GW-3</td>
<td>113166</td>
</tr>
<tr>
<td>16</td>
<td>STATE OF MISSOURI (OWN)</td>
<td>GW-2</td>
<td>133321</td>
</tr>
<tr>
<td>16</td>
<td>CASTLEBERRY, FRANK (OWN)</td>
<td>GW-2</td>
<td>133321</td>
</tr>
<tr>
<td>18</td>
<td>McLEAN, NELLIE</td>
<td>GW-4</td>
<td>113499</td>
</tr>
<tr>
<td>20</td>
<td>GUYER, CHARLES</td>
<td>GW-2</td>
<td>112394</td>
</tr>
<tr>
<td>20</td>
<td>HELVERSON, HERMAN A</td>
<td>GW-4</td>
<td>113264</td>
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<td>23</td>
<td>CASTLEBERRY, FRANK</td>
<td>GW-4</td>
<td>112333</td>
</tr>
<tr>
<td>24</td>
<td>MEHLING, FRANK &amp; HARLAN</td>
<td>GW-2</td>
<td>113145</td>
</tr>
<tr>
<td>25</td>
<td>GLOD'S BRIANT</td>
<td>GW-2</td>
<td>113145</td>
</tr>
<tr>
<td>25</td>
<td>MEHLING, FRANK &amp; HARLAN</td>
<td>GW-2</td>
<td>113145</td>
</tr>
<tr>
<td>25</td>
<td>GLOD'S BRIANT</td>
<td>GW-2</td>
<td>113145</td>
</tr>
<tr>
<td>25</td>
<td>BRIANT, GLADDY</td>
<td>GW-4</td>
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<td>32</td>
<td>MEYERS, ANN</td>
<td>GW-4</td>
<td>113499</td>
</tr>
</tbody>
</table>
Declaration of Vested Groundwater Rights
(Under Chapter 237, Montana Session Laws, 1961)

I. H. S. Apkin
(Name of Appropriator) of Elephant
(Address) (Town)

County of Carter
(County) State of Montana
(State)

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: May, 1958.

4. The amount of groundwater claimed (in miner’s inches or gallons per minute): Two 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: June, 1958.

8. The depth of water table: 360 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: Pumpwell 4 inch, 350 ft.

10. The estimated amount of groundwater withdrawn each year: 170,000.

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.

Filed for Record

Signature of Owner: H. S. Apkin
Date: December 2, 1963

Three copies of record as filed by 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; Dupeicate to the State Engineer; Triplicate to the Montana Bureau of Mines and Geology, and Quadruplicate for the Appropriator.
DECLARATION OF VESTED GROUNDWATER RIGHTS
(Under Chapter 237, Montana Session Laws, 1961)

1. NAME: Agnes, of Miles City, Montana.
   County: Carter

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

3. Date or approximate date of earliest beneficial use and how continuous the use has been:
   May, 1958 - August, 1949

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

6. The means of withdrawing such water from the ground and the location of each well or other means of withdrawal:
   Piping, wells
   (bore wells)

7. The date of commencement and completion of the construction of the well, wells, or other works for withdrawal of groundwater:
   May, 1958 - August, 1949

8. The depth of water table:
   156 ft.
   152 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:
   Artesian well 32 in. 156 ft.
   152 ft.

10. The estimated amount of groundwater withdrawn each year:
    1,576,800 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:

Filed for Record

Title: Declaration of Vested Groundwater Rights

Sec 6

Signature of Owner: J.H. Agnes

Date: December 2, 1963

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 Quaduplicate for the Appropriator.